

# **POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT**

## **POINT LOMA WASTEWATER TREATMENT PLANT**

NPDES Permit No. CA0107409  
SDRWQCB Order No. R9-2017-0007

# **NOVEMBER 2021**

Environmental Monitoring and Technical Services  
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December 30, 2021

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 November 2021 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the Point Loma outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Peter S. Vroom, Ph.D.  
Deputy Public Utilities Director

PV/rk

cc: U.S. Environmental Protection Agency, Region 9



## INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2017-0007, NPDES Permit No. CA0107409 for the Point Loma Wastewater Treatment Plant (PLWTP), Point Loma Ocean Outfall (PLOO). This report includes receiving waters monitoring data collected from all shore, kelp and offshore stations specified in the above order. Data for influent and effluent monitoring activities for the PLWTP are presented in separate reports.

## MATERIALS AND METHODS

### ***Shore Stations***

Water quality conditions are required to be monitored at eight shoreline stations, including D4, D5, D7, D8, D9, D10, D11 and D12, which range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Over the past several years, due to increasing instability in several cliffside areas of Point Loma, City staff have been unable to safely access and sample several stations at various times. This has resulted in the following modifications:

- Station D8 was replaced by alternate station D8-A during July 2016, which was subsequently replaced by station D8-B in March 2018, after which sampling at station D8-A resumed in December 2020. Due to recent access issues at D8-A, sampling resumed at D8-B during February 2020.

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

### ***Kelp Bed Stations***

The eight kelp stations are sampled weekly according to permit specifications to monitor water quality conditions within the Point Loma kelp forest. These stations include three sites located along the inshore edge of the kelp bed paralleling the 9-m depth contour (i.e., stations C4, C5 and C6), and five sites located near the offshore edge of the kelp bed along the 18-m depth contour (i.e., stations A1, A6, A7, C7 and C8).

Routine weekly monitoring at each of the kelp bed sites consists primarily of collecting seawater samples at discrete depths to determine concentrations of fecal indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Water column profiles of various physical/chemical parameters are also generated during each sampling event, and visual observations of weather and water conditions are recorded at each station.

Seawater samples at the kelp bed stations are collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses are drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column

profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* are generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of  $\geq 4$  scans per second. These scans are then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

### ***Offshore Stations***

Offshore water quality sampling is conducted quarterly typically during the months of February, May, August and November. A total of 36 offshore stations (F01–F36) are sampled during each survey usually over a 3-day period. Three of the stations (F01–F03) are located along the 18 m depth contour, while 11 stations are located along each of the following contours: 60 m (stations F04–F14), 80 m (stations F15–F25), and 98 m (stations F26–F36). Of these 36 stations, 15 (F01–F03, F06–F14, F18–F20) are located within State jurisdictional waters (i.e., within 3 nautical miles of shore) and are subject to the California Ocean Plan’s compliance standards. Monitoring at all offshore sites includes measurements of *Enterococcus* bacteria, water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, chromomorphpic dissolved organic matter (CDOM), and visual observations of weather and water conditions.

Seawater samples for bacteriological analyses at the offshore stations are collected using a CTD-integrated rosette sampler with Niskin bottles. Profiles of the various physical/chemical parameters (listed above) are taken using a Sea-Bird CTD. Additionally, data for depths closest to those at which bacteriological samples were collected are extracted from the CTD profiles and presented with the bacteriological data.

### ***Bacteriological Reporting and Quality Assurance***

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)<sup>1</sup>. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the geometric mean and single sample maximum water-contact standards specified in the 2015 California Ocean Plan. The seven standards are defined as follows:

30-day Geometric Mean: The following standards are based on the geometric mean of the five most recent samples from each site.

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 200 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 35 CFU/100 mL

Single Sample Maximums:

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<sup>1</sup> 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.

- (1) Total coliform density shall not exceed 10,000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 400 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 104 CFU/100 mL;
- (4) Total coliform density shall not exceed 1,000 CFU/100 mL when the fecal coliform/total coliform ratio exceeds 0.1.

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987<sup>2</sup>) 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 2021 Quality Assurance Report, which will be completed in March 2022.

## SUMMARY OF RESULTS

As of October 2020, new 2019 Ocean Plan Water Quality Objectives are included for a six-week rolling geometric mean of *Enterococcus* density, which shall not to exceed 30 cfu/100 ml, and a Statistical Threshold Value (STV) for *Enterococcus*, which shall not exceed 110 cfu/100 ml for more than 10% of samples per month (see Appendix B).

### *Shore Stations*

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled on November 3, 8, 17, and 22.
- During November, each of the eight shore stations was in compliance with 2015 California Ocean Plan (Ocean Plan) water contact standards.
- A sewage-like odor was observed at station D5 on one or more days in November.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surf grass. See the City of San Diego's most recent *Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls* for details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).

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

### ***Kelp Bed Stations***

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on November 2, 8, 16, 22, and 30.
- During November, each of the eight kelp bed stations was in compliance with the various 2015 Ocean Plan water contact standards.
- Water column temperatures ranged from 12.91 to 18.14°C. The difference between surface and bottom waters ranged from 0.32 to 4.68°C.
- Chlorophyll *a* concentrations ranged from 0.66 to 7.28 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

### ***Offshore Stations***

- Quarterly offshore water quality sampling was conducted on November 9, 10, and 12.
- During November, three of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum (SSM) standard for *Enterococcus*;
  - the SSM for *Enterococcus* was exceeded in the samples collected from 60 m or deeper at stations F18, F19, and F20 on November 12.
- Of the remaining 21 offshore stations, ten had elevated densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL), as follows:
  - The SSM for *Enterococcus* was exceeded in the samples collected from stations F31–F34 and F36 on November 9<sup>th</sup> at depths of 60 m or deeper and F17, F21, F22, F24, and F25 on November 12<sup>th</sup> at 80 m or deeper.
- During November, water column temperatures ranged from 11.01 to 18.12°C. The difference between surface and bottom waters ranged from 3.03 to 6.79°C.
- Chlorophyll *a* concentrations ranged from 0.26 to 2.52 µg/L at the offshore stations during the month.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.





# TABLES AND FIGURES



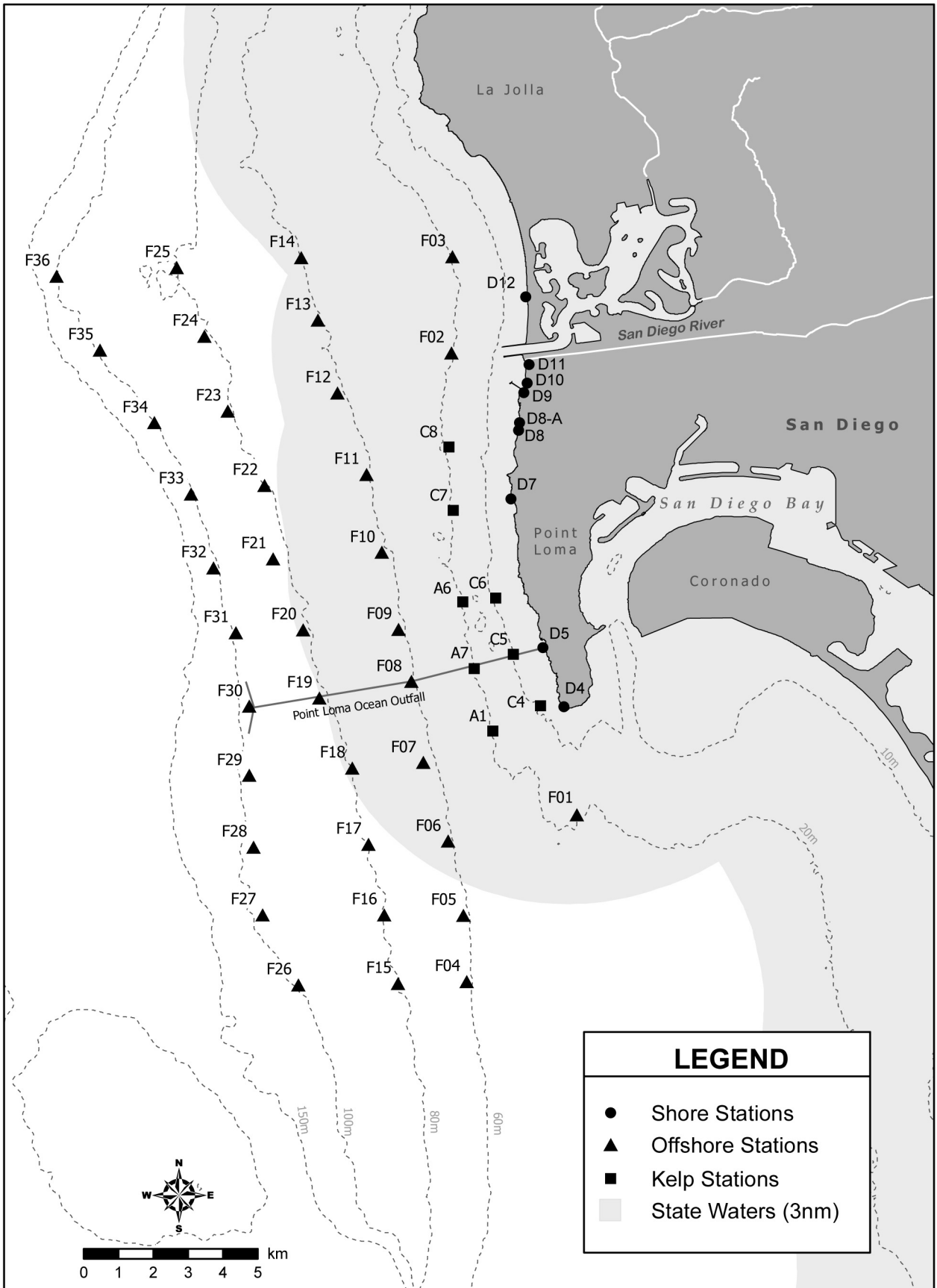


Figure 1.1 Station Map



# Shore Stations



**Table 2.1**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the PLOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (\*). Values >1,000 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2021	20	20	63	112	49	47	140	50
02 Nov 2021	20	20	63	112	49	47	140	50
03 Nov 2021	32	20	50	126	41	63	95	66
04 Nov 2021	32	20	50	126	41	63	95	66
05 Nov 2021	36	20	36	112	33	47	66	63
06 Nov 2021	36	20	36	112	33	47	66	63
07 Nov 2021	36	20	36	112	33	47	66	63
08 Nov 2021	32	20	20	181	34	39	52	39
09 Nov 2021	32	20	20	181	34	39	52	39
10 Nov 2021	32	20	20	181	34	39	52	39
11 Nov 2021	32	20	20	181	34	39	52	39
12 Nov 2021	36	20	20	176	39	47	37	47
13 Nov 2021	36	20	20	176	39	47	37	47
14 Nov 2021	36	20	20	176	39	47	37	47
15 Nov 2021	36	20	20	176	39	47	37	47
16 Nov 2021	36	20	20	176	39	47	37	47
17 Nov 2021	32	13	23	225	34	34	35	31
18 Nov 2021	32	13	23	225	34	34	35	31
19 Nov 2021	36	11	13	232	39	39	31	19
20 Nov 2021	36	11	13	232	39	39	31	19
21 Nov 2021	36	11	13	232	39	39	31	19
22 Nov 2021	20	8	15	280	33	38	25	12
23 Nov 2021	20	8	15	280	33	38	25	12
24 Nov 2021	20	8	15	280	33	38	25	12
25 Nov 2021	20	8	15	280	33	38	25	12
26 Nov 2021	20	6	14	542	23	34	19	11
27 Nov 2021	20	6	14	542	23	34	19	11
28 Nov 2021	20	6	14	542	23	34	19	11
29 Nov 2021	20	6	14	542	23	34	19	11
30 Nov 2021	20	6	14	542	23	34	19	11

\* Geometric mean calculated using n<5  
 ns = not sampled

**Table 2.2**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2021	3	2	7	4	3	5	5	4
02 Nov 2021	3	2	7	4	3	5	5	4
03 Nov 2021	3	2	6	6	2	6	4	4
04 Nov 2021	3	2	6	6	2	6	4	4
05 Nov 2021	4	2	5	4	3	5	3	2
06 Nov 2021	4	2	5	4	3	5	3	2
07 Nov 2021	4	2	5	4	3	5	3	2
08 Nov 2021	3	2	4	5	2	6	3	2
09 Nov 2021	3	2	4	5	2	6	3	2
10 Nov 2021	3	2	4	5	2	6	3	2
11 Nov 2021	3	2	4	5	2	6	3	2
12 Nov 2021	4	2	3	7	3	7	3	2
13 Nov 2021	4	2	3	7	3	7	3	2
14 Nov 2021	4	2	3	7	3	7	3	2
15 Nov 2021	4	2	3	7	3	7	3	2
16 Nov 2021	4	2	3	7	3	7	3	2
17 Nov 2021	3	2	3	5	3	8	4	2
18 Nov 2021	3	2	3	5	3	8	4	2
19 Nov 2021	4	2	3	7	3	11	5	2
20 Nov 2021	4	2	3	7	3	11	5	2
21 Nov 2021	4	2	3	7	3	11	5	2
22 Nov 2021	3	2	4	5	4	10	4	2
23 Nov 2021	3	2	4	5	4	10	4	2
24 Nov 2021	3	2	4	5	4	10	4	2
25 Nov 2021	3	2	4	5	4	10	4	2
26 Nov 2021	3	3	4	7	3	11	4	2
27 Nov 2021	3	3	4	7	3	11	4	2
28 Nov 2021	3	3	4	7	3	11	4	2
29 Nov 2021	3	3	4	7	3	11	4	2
30 Nov 2021	3	3	4	7	3	11	4	2

\* Geometric mean calculated using n<5  
 ns = not sampled



**Table 2.3**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the PLOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (\*). Values >35 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2021	4	2	4	5	3	3	7	9
02 Nov 2021	4	2	4	5	3	3	7	9
03 Nov 2021	5	2	4	8	2	3	6	8
04 Nov 2021	5	2	4	8	2	3	6	8
05 Nov 2021	3	2	3	7	3	2	5	6
06 Nov 2021	3	2	3	7	3	2	5	6
07 Nov 2021	3	2	3	7	3	2	5	6
08 Nov 2021	3	2	2	9	2	3	7	7
09 Nov 2021	3	2	2	9	2	3	7	7
10 Nov 2021	3	2	2	9	2	3	7	7
11 Nov 2021	3	2	2	9	2	3	7	7
12 Nov 2021	3	2	3	12	3	3	9	10
13 Nov 2021	3	2	3	12	3	3	9	10
14 Nov 2021	3	2	3	12	3	3	9	10
15 Nov 2021	3	2	3	12	3	3	9	10
16 Nov 2021	3	2	3	12	3	3	9	10
17 Nov 2021	3	2	2	12	2	3	8	7
18 Nov 2021	3	2	2	12	2	3	8	7
19 Nov 2021	3	2	3	14	3	4	7	4
20 Nov 2021	3	2	3	14	3	4	7	4
21 Nov 2021	3	2	3	14	3	4	7	4
22 Nov 2021	3	2	2	9	2	5	6	4
23 Nov 2021	3	2	2	9	2	5	6	4
24 Nov 2021	3	2	2	9	2	5	6	4
25 Nov 2021	3	2	2	9	2	5	6	4
26 Nov 2021	3	2	3	14	2	5	5	4
27 Nov 2021	3	2	3	14	2	5	5	4
28 Nov 2021	3	2	3	14	2	5	5	4
29 Nov 2021	3	2	3	14	2	5	5	4
30 Nov 2021	3	2	3	14	2	5	5	4

\* Geometric mean calculated using n<5  
 ns = not sampled

## Table 2.4

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria, which states that total coliform density shall not exceed 10,000 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
03 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
17 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

## Table 2.5

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
03 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
17 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

## Table 2.6

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
03 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
17 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

## Table 2.7

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
03 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
17 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.8**

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

Station	Date	Time	Total	Fecal	Entero	F:T
D4	03 Nov 2021	909	<200	8e	18e	0.040
D4	08 Nov 2021	1017	<20	<2	<2	0.100
D4	17 Nov 2021	756	<20	<2	<2	0.100
D4	22 Nov 2021	1036	<2	<2	2e	1.000
D5	03 Nov 2021	849	<20	<2	<2	0.100
D5	08 Nov 2021	1027	<20	2e	<2	0.100
D5	17 Nov 2021	813	<2	<2	<2	1.000
D5	22 Nov 2021	1022	<2	6e	<2	3.000
D7	03 Nov 2021	949	<20	4e	6e	0.200
D7	08 Nov 2021	927	2e	<2	<2	1.000
D7	17 Nov 2021	837	40e	2e	<2	0.050
D7	22 Nov 2021	945	24e	22e	2e	0.917
D8-B	03 Nov 2021	1010	200e	32e	60e	0.160
D8-B	08 Nov 2021	910	1200e	14e	24e	0.012
D8-B	17 Nov 2021	902	600e	<2	12e	0.003
D8-B	22 Nov 2021	928	600e	<2	2e	0.003
D9	03 Nov 2021	1035	20e	<2	<2	0.100
D9	08 Nov 2021	854	40e	<2	2e	0.050
D9	17 Nov 2021	921	20e	4e	<2	0.200
D9	22 Nov 2021	918	18e	6e	<2	0.333
D10	03 Nov 2021	1055	<200	16e	2e	0.080
D10	08 Nov 2021	834	20e	12e	8e	0.600
D10	17 Nov 2021	934	10e	10e	4e	1.000
D10	22 Nov 2021	900	34e	8e	8e	0.235
D11	03 Nov 2021	1146	<20	2e	2e	0.100
D11	08 Nov 2021	817	<20	4e	22e	0.200
D11	17 Nov 2021	1007	28e	12e	6e	0.429
D11	22 Nov 2021	846	12e	<2	<2	0.167
D12	03 Nov 2021	1225	<200	2e	6e	0.010
D12	08 Nov 2021	749	6e	4e	16e	0.667
D12	17 Nov 2021	1044	6e	<2	<2	0.333
D12	22 Nov 2021	813	<2	2e	<2	1.000

ns = not sampled

ND = no data

**Table 2.9**

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

Station	Date	Parameter	Value
D4	03 Nov 2021	Arrive Time	909
D4	03 Nov 2021	Weather	Overcast
D4	03 Nov 2021	Wind Speed (kts)	2.9
D4	03 Nov 2021	Wind Dir	W
D4	03 Nov 2021	Animal Life	Pelican-3; Seagull-4
D4	03 Nov 2021	Floatables	Foam
D4	03 Nov 2021	Water Color	Green
D4	03 Nov 2021	Current Direction	S
D4	03 Nov 2021	Water Temp (C)	17.5
D4	03 Nov 2021	Wave Height Low (ft)	3
D4	03 Nov 2021	High Tide (ft)	6.11
D4	03 Nov 2021	High Tide Time	822
D4	03 Nov 2021	Low Tide (ft)	0.41
D4	03 Nov 2021	Low Tide Time	211
D4	03 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-3; Boater/Kayaker-2; Trash-1; Kelp; Seagrass; Algae
D4	08 Nov 2021	Arrive Time	1017
D4	08 Nov 2021	Weather	Partly cloudy
D4	08 Nov 2021	Wind Speed (kts)	2.1
D4	08 Nov 2021	Wind Dir	W
D4	08 Nov 2021	Animal Life	Pelican-5
D4	08 Nov 2021	Floatables	Foam
D4	08 Nov 2021	Water Color	Green
D4	08 Nov 2021	Current Direction	S
D4	08 Nov 2021	Water Temp (C)	19.3
D4	08 Nov 2021	Wave Height Low (ft)	3
D4	08 Nov 2021	High Tide (ft)	6.1
D4	08 Nov 2021	High Tide Time	1035
D4	08 Nov 2021	Low Tide (ft)	2.39
D4	08 Nov 2021	Low Tide Time	415
D4	08 Nov 2021	Comments	Algae; Kelp; Seagrass
D4	17 Nov 2021	Arrive Time	756
D4	17 Nov 2021	Weather	Partly cloudy
D4	17 Nov 2021	Wind Speed (kts)	2.4
D4	17 Nov 2021	Wind Dir	E
D4	17 Nov 2021	Animal Life	Bird-1; Seagull-1
D4	17 Nov 2021	Floatables	Foam
D4	17 Nov 2021	Water Color	Blue
D4	17 Nov 2021	Current Direction	N
D4	17 Nov 2021	Water Temp (C)	18
D4	17 Nov 2021	Wave Height Low (ft)	1
D4	17 Nov 2021	High Tide (ft)	5.81
D4	17 Nov 2021	High Tide Time	721
D4	17 Nov 2021	Low Tide (ft)	1.16
D4	17 Nov 2021	Low Tide Time	111
D4	17 Nov 2021	Comments	Kelp; Algae; Seagrass
D4	22 Nov 2021	Arrive Time	1036
D4	22 Nov 2021	Weather	Partly cloudy
D4	22 Nov 2021	Wind Speed (kts)	4.2
D4	22 Nov 2021	Wind Dir	NW
D4	22 Nov 2021	Animal Life	Bird-15
D4	22 Nov 2021	Floatables	None
D4	22 Nov 2021	Water Color	Green

Station	Date	Parameter	Value
D4	22 Nov 2021	Current Direction	S
D4	22 Nov 2021	Water Temp (C)	18.5
D4	22 Nov 2021	Wave Height Low (ft)	2
D4	22 Nov 2021	High Tide (ft)	5.46
D4	22 Nov 2021	High Tide Time	926
D4	22 Nov 2021	Low Tide (ft)	2.52
D4	22 Nov 2021	Low Tide Time	311
D4	22 Nov 2021	Comments	Algae
D5	03 Nov 2021	Arrive Time	849
D5	03 Nov 2021	Weather	Overcast
D5	03 Nov 2021	Wind Speed (kts)	2.7
D5	03 Nov 2021	Wind Dir	NW
D5	03 Nov 2021	Animal Life	Bird-2; Seagull-5
D5	03 Nov 2021	Floatables	Foam; Film
D5	03 Nov 2021	Water Color	Green
D5	03 Nov 2021	Current Direction	S
D5	03 Nov 2021	Water Temp (C)	18.5
D5	03 Nov 2021	Wave Height Low (ft)	2
D5	03 Nov 2021	High Tide (ft)	6.11
D5	03 Nov 2021	High Tide Time	822
D5	03 Nov 2021	Low Tide (ft)	0.41
D5	03 Nov 2021	Low Tide Time	211
D5	03 Nov 2021	Comments	Kelp; Algae
D5	08 Nov 2021	Arrive Time	1027
D5	08 Nov 2021	Weather	Partly cloudy
D5	08 Nov 2021	Wind Speed (kts)	1.8
D5	08 Nov 2021	Wind Dir	SW
D5	08 Nov 2021	Animal Life	Bird-2; Seagull-1
D5	08 Nov 2021	Floatables	Foam; Film
D5	08 Nov 2021	Water Color	Green
D5	08 Nov 2021	Current Direction	
D5	08 Nov 2021	Water Temp (C)	19.6
D5	08 Nov 2021	Wave Height Low (ft)	4
D5	08 Nov 2021	High Tide (ft)	6.1
D5	08 Nov 2021	High Tide Time	1035
D5	08 Nov 2021	Low Tide (ft)	2.39
D5	08 Nov 2021	Low Tide Time	415
D5	08 Nov 2021	Comments	Algae; Seagrass; Kelp
D5	17 Nov 2021	Arrive Time	813
D5	17 Nov 2021	Weather	Cloudy
D5	17 Nov 2021	Wind Speed (kts)	2.7
D5	17 Nov 2021	Wind Dir	SW
D5	17 Nov 2021	Animal Life	Bird-2; Pelican-5; Seagull-1
D5	17 Nov 2021	Floatables	Foam
D5	17 Nov 2021	Water Color	Green
D5	17 Nov 2021	Current Direction	N
D5	17 Nov 2021	Water Temp (C)	18
D5	17 Nov 2021	Wave Height Low (ft)	1
D5	17 Nov 2021	High Tide (ft)	5.81
D5	17 Nov 2021	High Tide Time	721
D5	17 Nov 2021	Low Tide (ft)	1.16
D5	17 Nov 2021	Low Tide Time	111
D5	17 Nov 2021	Comments	Water clear; Boater/Kayaker-1; Trash-1; Algae; Seagrass; Kelp; Sewage-like odor
D5	22 Nov 2021	Arrive Time	1022
D5	22 Nov 2021	Weather	Partly cloudy
D5	22 Nov 2021	Wind Speed (kts)	7.3



Station	Date	Parameter	Value
D5	22 Nov 2021	Wind Dir	NW
D5	22 Nov 2021	Animal Life	Bird-2; Seagull-2
D5	22 Nov 2021	Floatables	None
D5	22 Nov 2021	Water Color	Green
D5	22 Nov 2021	Current Direction	S
D5	22 Nov 2021	Water Temp (C)	20.2
D5	22 Nov 2021	Wave Height Low (ft)	2
D5	22 Nov 2021	High Tide (ft)	5.46
D5	22 Nov 2021	High Tide Time	926
D5	22 Nov 2021	Low Tide (ft)	2.52
D5	22 Nov 2021	Low Tide Time	311
D5	22 Nov 2021	Comments	Algae; Kelp
D7	03 Nov 2021	Arrive Time	944
D7	03 Nov 2021	Weather	Overcast
D7	03 Nov 2021	Wind Speed (kts)	3.1
D7	03 Nov 2021	Wind Dir	NW
D7	03 Nov 2021	Animal Life	Bird-1; Seagull-1
D7	03 Nov 2021	Floatables	Foam; Film
D7	03 Nov 2021	Water Color	Green
D7	03 Nov 2021	Current Direction	S
D7	03 Nov 2021	Water Temp (C)	18.3
D7	03 Nov 2021	Wave Height Low (ft)	4
D7	03 Nov 2021	High Tide (ft)	6.11
D7	03 Nov 2021	High Tide Time	822
D7	03 Nov 2021	Low Tide (ft)	0.41
D7	03 Nov 2021	Low Tide Time	211
D7	03 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-4; Trash-1; Kelp; Sea-grass; Algae
D7	08 Nov 2021	Arrive Time	927
D7	08 Nov 2021	Weather	Partly cloudy
D7	08 Nov 2021	Wind Speed (kts)	1.83
D7	08 Nov 2021	Wind Dir	SW
D7	08 Nov 2021	Animal Life	
D7	08 Nov 2021	Floatables	Foam
D7	08 Nov 2021	Water Color	Green
D7	08 Nov 2021	Current Direction	S
D7	08 Nov 2021	Water Temp (C)	19.1
D7	08 Nov 2021	Wave Height Low (ft)	3
D7	08 Nov 2021	High Tide (ft)	6.1
D7	08 Nov 2021	High Tide Time	1035
D7	08 Nov 2021	Low Tide (ft)	2.39
D7	08 Nov 2021	Low Tide Time	415
D7	08 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-12; Trash-1; Kelp; Sea-grass; Algae
D7	17 Nov 2021	Arrive Time	837
D7	17 Nov 2021	Weather	Cloudy
D7	17 Nov 2021	Wind Speed (kts)	4.3
D7	17 Nov 2021	Wind Dir	SE
D7	17 Nov 2021	Animal Life	Bird-1
D7	17 Nov 2021	Floatables	Foam
D7	17 Nov 2021	Water Color	Blue
D7	17 Nov 2021	Current Direction	N
D7	17 Nov 2021	Water Temp (C)	18.7
D7	17 Nov 2021	Wave Height Low (ft)	1
D7	17 Nov 2021	High Tide (ft)	5.81
D7	17 Nov 2021	High Tide Time	721
D7	17 Nov 2021	Low Tide (ft)	1.16
D7	17 Nov 2021	Low Tide Time	111

Station	Date	Parameter	Value
D7	17 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Algae; Sea-grass; Kelp
D7	22 Nov 2021	Arrive Time	945
D7	22 Nov 2021	Weather	Partly cloudy
D7	22 Nov 2021	Wind Speed (kts)	1.1
D7	22 Nov 2021	Wind Dir	NW
D7	22 Nov 2021	Animal Life	
D7	22 Nov 2021	Floatables	None
D7	22 Nov 2021	Water Color	Green
D7	22 Nov 2021	Current Direction	S
D7	22 Nov 2021	Water Temp (C)	17.8
D7	22 Nov 2021	Wave Height Low (ft)	1
D7	22 Nov 2021	High Tide (ft)	5.46
D7	22 Nov 2021	High Tide Time	926
D7	22 Nov 2021	Low Tide (ft)	2.52
D7	22 Nov 2021	Low Tide Time	311
D7	22 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp; Algae
D8-B	03 Nov 2021	Arrive Time	1010
D8-B	03 Nov 2021	Weather	Overcast
D8-B	03 Nov 2021	Wind Speed (kts)	2.5
D8-B	03 Nov 2021	Wind Dir	W
D8-B	03 Nov 2021	Animal Life	-300
D8-B	03 Nov 2021	Floatables	Foam; Film
D8-B	03 Nov 2021	Water Color	Green
D8-B	03 Nov 2021	Current Direction	S
D8-B	03 Nov 2021	Water Temp (C)	18
D8-B	03 Nov 2021	Wave Height Low (ft)	3
D8-B	03 Nov 2021	High Tide (ft)	6.11
D8-B	03 Nov 2021	High Tide Time	822
D8-B	03 Nov 2021	Low Tide (ft)	0.41
D8-B	03 Nov 2021	Low Tide Time	211
D8-B	03 Nov 2021	Comments	Water turbid; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-2
D8-B	08 Nov 2021	Arrive Time	910
D8-B	08 Nov 2021	Weather	Sunny
D8-B	08 Nov 2021	Wind Speed (kts)	4.4
D8-B	08 Nov 2021	Wind Dir	SW
D8-B	08 Nov 2021	Animal Life	Bird-1
D8-B	08 Nov 2021	Floatables	Foam
D8-B	08 Nov 2021	Water Color	Brown
D8-B	08 Nov 2021	Current Direction	N
D8-B	08 Nov 2021	Water Temp (C)	19.2
D8-B	08 Nov 2021	Wave Height Low (ft)	4
D8-B	08 Nov 2021	High Tide (ft)	6.1
D8-B	08 Nov 2021	High Tide Time	1035
D8-B	08 Nov 2021	Low Tide (ft)	2.39
D8-B	08 Nov 2021	Low Tide Time	415
D8-B	08 Nov 2021	Comments	Algae
D8-B	17 Nov 2021	Arrive Time	902
D8-B	17 Nov 2021	Weather	Cloudy
D8-B	17 Nov 2021	Wind Speed (kts)	0.7
D8-B	17 Nov 2021	Wind Dir	E
D8-B	17 Nov 2021	Animal Life	Dog-1
D8-B	17 Nov 2021	Floatables	Foam
D8-B	17 Nov 2021	Water Color	Green
D8-B	17 Nov 2021	Current Direction	N
D8-B	17 Nov 2021	Water Temp (C)	18.1

Station	Date	Parameter	Value
D8-B	17 Nov 2021	Wave Height Low (ft)	1
D8-B	17 Nov 2021	High Tide (ft)	5.81
D8-B	17 Nov 2021	High Tide Time	721
D8-B	17 Nov 2021	Low Tide (ft)	1.16
D8-B	17 Nov 2021	Low Tide Time	111
D8-B	17 Nov 2021	Comments	Water turbid; Trash-1; Algae; Seagrass; Kelp; Person/Walker/Jogger-1
D8-B	22 Nov 2021	Arrive Time	928
D8-B	22 Nov 2021	Weather	Partly cloudy
D8-B	22 Nov 2021	Wind Speed (kts)	0
D8-B	22 Nov 2021	Wind Dir	
D8-B	22 Nov 2021	Animal Life	Pelican-6; Seagull-12
D8-B	22 Nov 2021	Floatables	None
D8-B	22 Nov 2021	Water Color	Green
D8-B	22 Nov 2021	Current Direction	N
D8-B	22 Nov 2021	Water Temp (C)	18.1
D8-B	22 Nov 2021	Wave Height Low (ft)	3
D8-B	22 Nov 2021	High Tide (ft)	5.46
D8-B	22 Nov 2021	High Tide Time	926
D8-B	22 Nov 2021	Low Tide (ft)	2.52
D8-B	22 Nov 2021	Low Tide Time	311
D8-B	22 Nov 2021	Comments	Debris; Algae
D9	03 Nov 2021	Arrive Time	1035
D9	03 Nov 2021	Weather	Overcast
D9	03 Nov 2021	Wind Speed (kts)	1.53
D9	03 Nov 2021	Wind Dir	NW
D9	03 Nov 2021	Animal Life	
D9	03 Nov 2021	Floatables	Foam
D9	03 Nov 2021	Water Color	Green
D9	03 Nov 2021	Current Direction	S
D9	03 Nov 2021	Water Temp (C)	17.9
D9	03 Nov 2021	Wave Height Low (ft)	3
D9	03 Nov 2021	High Tide (ft)	6.11
D9	03 Nov 2021	High Tide Time	822
D9	03 Nov 2021	Low Tide (ft)	0.41
D9	03 Nov 2021	Low Tide Time	211
D9	03 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-2; Trash-1; Kelp; Seagrass; Algae
D9	08 Nov 2021	Arrive Time	854
D9	08 Nov 2021	Weather	Sunny
D9	08 Nov 2021	Wind Speed (kts)	1.1
D9	08 Nov 2021	Wind Dir	SW
D9	08 Nov 2021	Animal Life	Pelican-1; Seagull-3
D9	08 Nov 2021	Floatables	Foam
D9	08 Nov 2021	Water Color	Green
D9	08 Nov 2021	Current Direction	S
D9	08 Nov 2021	Water Temp (C)	19
D9	08 Nov 2021	Wave Height Low (ft)	5
D9	08 Nov 2021	High Tide (ft)	6.1
D9	08 Nov 2021	High Tide Time	1035
D9	08 Nov 2021	Low Tide (ft)	2.39
D9	08 Nov 2021	Low Tide Time	415
D9	08 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-1; Trash-1; Algae
D9	17 Nov 2021	Arrive Time	921
D9	17 Nov 2021	Weather	Partly cloudy
D9	17 Nov 2021	Wind Speed (kts)	0
D9	17 Nov 2021	Wind Dir	

Station	Date	Parameter	Value
D9	17 Nov 2021	Animal Life	Pelican-1; Seagull-1
D9	17 Nov 2021	Floatables	Foam
D9	17 Nov 2021	Water Color	Blue
D9	17 Nov 2021	Current Direction	N
D9	17 Nov 2021	Water Temp (C)	19.3
D9	17 Nov 2021	Wave Height Low (ft)	1
D9	17 Nov 2021	High Tide (ft)	5.81
D9	17 Nov 2021	High Tide Time	721
D9	17 Nov 2021	Low Tide (ft)	1.16
D9	17 Nov 2021	Low Tide Time	111
D9	17 Nov 2021	Comments	Kelp; Seagrass; Algae
D9	22 Nov 2021	Arrive Time	918
D9	22 Nov 2021	Weather	Sunny
D9	22 Nov 2021	Wind Speed (kts)	0
D9	22 Nov 2021	Wind Dir	
D9	22 Nov 2021	Animal Life	
D9	22 Nov 2021	Floatables	None
D9	22 Nov 2021	Water Color	Green
D9	22 Nov 2021	Current Direction	N
D9	22 Nov 2021	Water Temp (C)	17.8
D9	22 Nov 2021	Wave Height Low (ft)	1
D9	22 Nov 2021	High Tide (ft)	5.46
D9	22 Nov 2021	High Tide Time	926
D9	22 Nov 2021	Low Tide (ft)	2.52
D9	22 Nov 2021	Low Tide Time	311
D9	22 Nov 2021	Comments	Water clear; Boogie boarder/Swimmer-2; Trash-1; Algae; Person/Walker/Jogger-2
D10	03 Nov 2021	Arrive Time	1055
D10	03 Nov 2021	Weather	Partly cloudy
D10	03 Nov 2021	Wind Speed (kts)	4
D10	03 Nov 2021	Wind Dir	W
D10	03 Nov 2021	Animal Life	
D10	03 Nov 2021	Floatables	Foam
D10	03 Nov 2021	Water Color	Green
D10	03 Nov 2021	Current Direction	S
D10	03 Nov 2021	Water Temp (C)	18.5
D10	03 Nov 2021	Wave Height Low (ft)	3
D10	03 Nov 2021	High Tide (ft)	6.11
D10	03 Nov 2021	High Tide Time	822
D10	03 Nov 2021	Low Tide (ft)	0.41
D10	03 Nov 2021	Low Tide Time	211
D10	03 Nov 2021	Comments	Water turbid; Boogie boarder/Swimmer-2; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-8
D10	08 Nov 2021	Arrive Time	834
D10	08 Nov 2021	Weather	Partly cloudy
D10	08 Nov 2021	Wind Speed (kts)	1.5
D10	08 Nov 2021	Wind Dir	W
D10	08 Nov 2021	Animal Life	Dog-1; Seagull-12
D10	08 Nov 2021	Floatables	Foam
D10	08 Nov 2021	Water Color	Green
D10	08 Nov 2021	Current Direction	N
D10	08 Nov 2021	Water Temp (C)	18.8
D10	08 Nov 2021	Wave Height Low (ft)	4
D10	08 Nov 2021	High Tide (ft)	6.1
D10	08 Nov 2021	High Tide Time	1035
D10	08 Nov 2021	Low Tide (ft)	2.39
D10	08 Nov 2021	Low Tide Time	415

Station	Date	Parameter	Value
D10	08 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-38; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-2
D10	17 Nov 2021	Arrive Time	934
D10	17 Nov 2021	Weather	Partly cloudy
D10	17 Nov 2021	Wind Speed (kts)	1.3
D10	17 Nov 2021	Wind Dir	SW
D10	17 Nov 2021	Animal Life	Bird-1; Pelican-1
D10	17 Nov 2021	Floatables	None
D10	17 Nov 2021	Water Color	Green
D10	17 Nov 2021	Current Direction	N
D10	17 Nov 2021	Water Temp (C)	19.4
D10	17 Nov 2021	Wave Height Low (ft)	2
D10	17 Nov 2021	High Tide (ft)	5.81
D10	17 Nov 2021	High Tide Time	721
D10	17 Nov 2021	Low Tide (ft)	1.16
D10	17 Nov 2021	Low Tide Time	111
D10	17 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-25; Trash-1; Seagrass; Algae; Person/Walker/Jogger-6
D10	22 Nov 2021	Arrive Time	900
D10	22 Nov 2021	Weather	Partly cloudy
D10	22 Nov 2021	Wind Speed (kts)	2.2
D10	22 Nov 2021	Wind Dir	E
D10	22 Nov 2021	Animal Life	Seagull-3
D10	22 Nov 2021	Floatables	None
D10	22 Nov 2021	Water Color	Green
D10	22 Nov 2021	Current Direction	N
D10	22 Nov 2021	Water Temp (C)	16.4
D10	22 Nov 2021	Wave Height Low (ft)	2
D10	22 Nov 2021	High Tide (ft)	5.46
D10	22 Nov 2021	High Tide Time	926
D10	22 Nov 2021	Low Tide (ft)	2.52
D10	22 Nov 2021	Low Tide Time	311
D10	22 Nov 2021	Comments	Water clear; Boogie boarder/Swimmer-5; Surfer/Paddle boarder-10; Trash-1; Seagrass; Person/Walker/Jogger-9
D11	03 Nov 2021	Arrive Time	1146
D11	03 Nov 2021	Weather	Overcast
D11	03 Nov 2021	Wind Speed (kts)	7.3
D11	03 Nov 2021	Wind Dir	NW
D11	03 Nov 2021	Animal Life	Bird-1; Dog-1
D11	03 Nov 2021	Floatables	Foam
D11	03 Nov 2021	Water Color	Green
D11	03 Nov 2021	Current Direction	S
D11	03 Nov 2021	Water Temp (C)	17.8
D11	03 Nov 2021	Wave Height Low (ft)	3
D11	03 Nov 2021	High Tide (ft)	6.11
D11	03 Nov 2021	High Tide Time	822
D11	03 Nov 2021	Low Tide (ft)	0.41
D11	03 Nov 2021	Low Tide Time	211
D11	03 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-8; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-7
D11	08 Nov 2021	Arrive Time	817
D11	08 Nov 2021	Weather	Partly cloudy
D11	08 Nov 2021	Wind Speed (kts)	4.3
D11	08 Nov 2021	Wind Dir	SW
D11	08 Nov 2021	Animal Life	Dog-1; Seagull-2
D11	08 Nov 2021	Floatables	Foam
D11	08 Nov 2021	Water Color	Green

Station	Date	Parameter	Value
D11	08 Nov 2021	Current Direction	S
D11	08 Nov 2021	Water Temp (C)	18.7
D11	08 Nov 2021	Wave Height Low (ft)	3
D11	08 Nov 2021	High Tide (ft)	6.1
D11	08 Nov 2021	High Tide Time	1035
D11	08 Nov 2021	Low Tide (ft)	2.39
D11	08 Nov 2021	Low Tide Time	415
D11	08 Nov 2021	Comments	Water turbid; Surfer/Paddle boarder-22; Trash-1; Seagrass; Algae; Person/Walker/Jogger-6
D11	17 Nov 2021	Arrive Time	1007
D11	17 Nov 2021	Weather	Partly cloudy
D11	17 Nov 2021	Wind Speed (kts)	4.7
D11	17 Nov 2021	Wind Dir	W
D11	17 Nov 2021	Animal Life	Dog-4; Seagull-3
D11	17 Nov 2021	Floatables	Foam
D11	17 Nov 2021	Water Color	Green
D11	17 Nov 2021	Current Direction	N
D11	17 Nov 2021	Water Temp (C)	18.1
D11	17 Nov 2021	Wave Height Low (ft)	2
D11	17 Nov 2021	High Tide (ft)	5.81
D11	17 Nov 2021	High Tide Time	721
D11	17 Nov 2021	Low Tide (ft)	1.16
D11	17 Nov 2021	Low Tide Time	111
D11	17 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-10; Trash-1; Seagrass; Kelp; Person/Walker/Jogger-12
D11	22 Nov 2021	Arrive Time	846
D11	22 Nov 2021	Weather	Partly cloudy
D11	22 Nov 2021	Wind Speed (kts)	3.8
D11	22 Nov 2021	Wind Dir	E
D11	22 Nov 2021	Animal Life	
D11	22 Nov 2021	Floatables	None
D11	22 Nov 2021	Water Color	Green
D11	22 Nov 2021	Current Direction	N
D11	22 Nov 2021	Water Temp (C)	16.5
D11	22 Nov 2021	Wave Height Low (ft)	2
D11	22 Nov 2021	High Tide (ft)	5.46
D11	22 Nov 2021	High Tide Time	926
D11	22 Nov 2021	Low Tide (ft)	2.52
D11	22 Nov 2021	Low Tide Time	311
D11	22 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-12; Trash-1; Seagrass; Algae; Person/Walker/Jogger-11
D12	03 Nov 2021	Arrive Time	1225
D12	03 Nov 2021	Weather	Overcast
D12	03 Nov 2021	Wind Speed (kts)	7.5
D12	03 Nov 2021	Wind Dir	NW
D12	03 Nov 2021	Animal Life	Seagull-2
D12	03 Nov 2021	Floatables	None
D12	03 Nov 2021	Water Color	Green
D12	03 Nov 2021	Current Direction	S
D12	03 Nov 2021	Water Temp (C)	19.2
D12	03 Nov 2021	Wave Height Low (ft)	3
D12	03 Nov 2021	High Tide (ft)	6.11
D12	03 Nov 2021	High Tide Time	822
D12	03 Nov 2021	Low Tide (ft)	0.41
D12	03 Nov 2021	Low Tide Time	211
D12	03 Nov 2021	Comments	Water turbid; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-3

Station	Date	Parameter	Value
D12	08 Nov 2021	Arrive Time	749
D12	08 Nov 2021	Weather	Cloudy
D12	08 Nov 2021	Wind Speed (kts)	2.4
D12	08 Nov 2021	Wind Dir	E
D12	08 Nov 2021	Animal Life	
D12	08 Nov 2021	Floatables	Foam
D12	08 Nov 2021	Water Color	Green
D12	08 Nov 2021	Current Direction	N
D12	08 Nov 2021	Water Temp (C)	19.6
D12	08 Nov 2021	Wave Height Low (ft)	3
D12	08 Nov 2021	High Tide (ft)	6.1
D12	08 Nov 2021	High Tide Time	1035
D12	08 Nov 2021	Low Tide (ft)	2.39
D12	08 Nov 2021	Low Tide Time	415
D12	08 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-10; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-3
D12	17 Nov 2021	Arrive Time	1044
D12	17 Nov 2021	Weather	Sunny
D12	17 Nov 2021	Wind Speed (kts)	3.1
D12	17 Nov 2021	Wind Dir	W
D12	17 Nov 2021	Animal Life	Bird-2; Pelican-1
D12	17 Nov 2021	Floatables	None
D12	17 Nov 2021	Water Color	Green
D12	17 Nov 2021	Current Direction	N
D12	17 Nov 2021	Water Temp (C)	19.6
D12	17 Nov 2021	Wave Height Low (ft)	2
D12	17 Nov 2021	High Tide (ft)	5.81
D12	17 Nov 2021	High Tide Time	721
D12	17 Nov 2021	Low Tide (ft)	1.16
D12	17 Nov 2021	Low Tide Time	111
D12	17 Nov 2021	Comments	Water clear; Boogie boarder/Swimmer-3; Surfer/Paddle boarder-2; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-5
D12	22 Nov 2021	Arrive Time	813
D12	22 Nov 2021	Weather	Sunny
D12	22 Nov 2021	Wind Speed (kts)	3.8
D12	22 Nov 2021	Wind Dir	E
D12	22 Nov 2021	Animal Life	Dog-2
D12	22 Nov 2021	Floatables	None
D12	22 Nov 2021	Water Color	Green
D12	22 Nov 2021	Current Direction	N
D12	22 Nov 2021	Water Temp (C)	17.6
D12	22 Nov 2021	Wave Height Low (ft)	1
D12	22 Nov 2021	High Tide (ft)	5.46
D12	22 Nov 2021	High Tide Time	926
D12	22 Nov 2021	Low Tide (ft)	2.52
D12	22 Nov 2021	Low Tide Time	311
D12	22 Nov 2021	Comments	Water clear; Surfer/Paddle boarder-2; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-12





# Kelp Stations



**Table 3.1**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the PLOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (\*). Values >1,000 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2021	9	16	5	8	5	6	11	8
02 Nov 2021	6	11	4	6	4	5	8	6
03 Nov 2021	6	8	4	5	4	3	4	5
04 Nov 2021	6	8	4	5	4	3	4	5
05 Nov 2021	6	8	4	5	4	3	4	5
06 Nov 2021	6	8	4	5	4	3	4	5
07 Nov 2021	6	8	4	5	4	3	4	5
08 Nov 2021	6	6	4	4	3	3	4	5
09 Nov 2021	6	6	4	4	3	3	4	5
10 Nov 2021	5	4	2	4	4	3	4	4
11 Nov 2021	5	4	2	4	4	3	4	4
12 Nov 2021	5	4	2	4	4	3	4	4
13 Nov 2021	5	4	2	4	4	3	4	4
14 Nov 2021	5	4	2	4	4	3	4	4
15 Nov 2021	5	4	2	4	4	3	4	4
16 Nov 2021	4	4	2	3	3	3	4	4
17 Nov 2021	4	4	2	3	3	3	4	4
18 Nov 2021	4	4	2	3	3	3	4	4
19 Nov 2021	3	3	2	4	3	3	4	3
20 Nov 2021	3	3	2	4	3	3	4	3
21 Nov 2021	3	3	2	4	3	3	4	3
22 Nov 2021	4	4	2	3	3	3	3	3
23 Nov 2021	4	4	2	3	3	3	3	3
24 Nov 2021	4	4	2	3	3	3	3	3
25 Nov 2021	4	4	2	3	3	3	3	3
26 Nov 2021	4	3	2	2	2	2	2	2
27 Nov 2021	4	3	2	2	2	2	2	2
28 Nov 2021	4	3	2	2	2	2	2	2
29 Nov 2021	4	3	2	2	2	2	2	2
30 Nov 2021	6	3	2	3	2	2	2	2

\* Geometric mean calculated using n<5

**Table 3.2**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2021	2	2	2	2	2	2	2	2
02 Nov 2021	2	2	2	2	2	2	2	2
03 Nov 2021	2	2	2	2	2	2	2	2
04 Nov 2021	2	2	2	2	2	2	2	2
05 Nov 2021	2	2	2	2	2	2	2	2
06 Nov 2021	2	2	2	2	2	2	2	2
07 Nov 2021	2	2	2	2	2	2	2	2
08 Nov 2021	3	2	2	2	2	2	2	2
09 Nov 2021	3	2	2	2	2	2	2	2
10 Nov 2021	3	2	2	2	2	2	2	2
11 Nov 2021	3	2	2	2	2	2	2	2
12 Nov 2021	3	2	2	2	2	2	2	2
13 Nov 2021	3	2	2	2	2	2	2	2
14 Nov 2021	3	2	2	2	2	2	2	2
15 Nov 2021	3	2	2	2	2	2	2	2
16 Nov 2021	2	2	2	2	2	2	2	2
17 Nov 2021	2	2	2	2	2	2	2	2
18 Nov 2021	2	2	2	2	2	2	2	2
19 Nov 2021	3	2	2	2	2	2	2	2
20 Nov 2021	3	2	2	2	2	2	2	2
21 Nov 2021	3	2	2	2	2	2	2	2
22 Nov 2021	2	2	2	2	2	2	2	2
23 Nov 2021	2	2	2	2	2	2	2	2
24 Nov 2021	2	2	2	2	2	2	2	2
25 Nov 2021	2	2	2	2	2	2	2	2
26 Nov 2021	3	2	2	2	2	2	2	2
27 Nov 2021	3	2	2	2	2	2	2	2
28 Nov 2021	3	2	2	2	2	2	2	2
29 Nov 2021	3	2	2	2	2	2	2	2
30 Nov 2021	2	2	2	2	2	2	2	2

\* Geometric mean calculated using n<5

**Table 3.3**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the PLOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (\*). Values >35 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2021	3	2	2	2	2	2	2	2
02 Nov 2021	3	2	2	2	2	2	2	2
03 Nov 2021	3	2	2	2	2	2	2	2
04 Nov 2021	3	2	2	2	2	2	2	2
05 Nov 2021	3	2	2	2	2	2	2	2
06 Nov 2021	3	2	2	2	2	2	2	2
07 Nov 2021	3	2	2	2	2	2	2	2
08 Nov 2021	3	2	2	2	2	2	2	2
09 Nov 2021	3	2	2	2	2	2	2	2
10 Nov 2021	3	2	2	2	2	2	2	2
11 Nov 2021	3	2	2	2	2	2	2	2
12 Nov 2021	3	2	2	2	2	2	2	2
13 Nov 2021	3	2	2	2	2	2	2	2
14 Nov 2021	3	2	2	2	2	2	2	2
15 Nov 2021	3	2	2	2	2	2	2	2
16 Nov 2021	3	2	2	2	2	2	2	2
17 Nov 2021	3	2	2	2	2	2	2	2
18 Nov 2021	3	2	2	2	2	2	2	2
19 Nov 2021	3	2	2	2	2	2	2	2
20 Nov 2021	3	2	2	2	2	2	2	2
21 Nov 2021	3	2	2	2	2	2	2	2
22 Nov 2021	3	2	2	2	2	2	2	2
23 Nov 2021	3	2	2	2	2	2	2	2
24 Nov 2021	3	2	2	2	2	2	2	2
25 Nov 2021	3	2	2	2	2	2	2	2
26 Nov 2021	2	2	2	2	2	2	2	2
27 Nov 2021	2	2	2	2	2	2	2	2
28 Nov 2021	2	2	2	2	2	2	2	2
29 Nov 2021	2	2	2	2	2	2	2	2
30 Nov 2021	2	2	2	2	2	2	2	2

\* Geometric mean calculated using n<5

### Table 3.4

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria, which states that total coliform density shall not exceed 10,000 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
16 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
30 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

### Table 3.5

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
16 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
30 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

### Table 3.6

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
16 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
30 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data



### Table 3.7

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
16 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC
30 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.8**

Summary of water quality parameters at the PLOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; 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	F:T	Temp	XMS	DO	Sal	pH
A1	02 Nov 2021	800	1	<2	<2	<2	1.0	17.2	84.01	7.7	33.51	8.0
A1	02 Nov 2021	800	12	<2	<2	<2	1.0	15.3	87.06	7.6	33.43	8.0
A1	02 Nov 2021	800	18	<2	<2	<2	1.0	14.0	85.13	6.7	33.48	7.9
A1	08 Nov 2021	729	1	<20	14e	6e	0.7	17.5	84.73	8.0	33.53	8.0
A1	08 Nov 2021	729	12	<2	<2	<2	1.0	13.0	87.62	7.0	33.37	7.8
A1	08 Nov 2021	729	18	<2	<2	<2	1.0	12.9	86.46	6.9	33.38	7.8
A1	16 Nov 2021	754	1	<2	<2	<2	1.0	16.8	83.90	7.9	33.49	8.0
A1	16 Nov 2021	754	12	<2	<2	<2	1.0	16.1	84.13	7.8	33.48	8.0
A1	16 Nov 2021	754	18	2e	<2	<2	1.0	14.6	82.98	7.0	33.47	7.9
A1	22 Nov 2021	747	1	<2	<2	<2	1.0	16.1	81.22	8.1	33.48	8.0
A1	22 Nov 2021	747	12	14e	<2	<2	0.1	13.8	85.87	6.8	33.44	7.8
A1	22 Nov 2021	747	18	18e	<2	<2	0.1	13.8	85.94	6.7	33.42	7.8
A1	30 Nov 2021	751	1	<20	<2	<2	0.1	15.7	78.45	7.8	33.48	7.9
A1	30 Nov 2021	751	12	<20	<2	<2	0.1	15.6	80.77	7.6	33.48	7.9
A1	30 Nov 2021	751	18	2e	2e	<2	1.0	14.0	84.76	6.6	33.55	7.8
A6	02 Nov 2021	831	1	<2	<2	<2	1.0	17.6	82.89	7.8	33.52	8.1
A6	02 Nov 2021	831	12	<2	<2	<2	1.0	15.7	85.38	7.5	33.46	8.0
A6	02 Nov 2021	831	18	<2	<2	<2	1.0	15.5	84.93	7.2	33.51	8.0
A6	08 Nov 2021	750	1	<2	<2	<2	1.0	17.6	81.67	8.1	33.55	8.0
A6	08 Nov 2021	750	12	<2	<2	<2	1.0	14.2	85.19	6.9	33.45	7.9
A6	08 Nov 2021	750	18	<2	<2	<2	1.0	13.2	84.56	6.7	33.48	7.8
A6	16 Nov 2021	818	1	<2	<2	<2	1.0	17.2	82.66	8.1	33.51	8.0
A6	16 Nov 2021	818	12	<2	<2	<2	1.0	16.8	84.17	8.0	33.50	8.0
A6	16 Nov 2021	818	18	<2	<2	<2	1.0	15.6	84.36	7.5	33.50	7.9
A6	22 Nov 2021	811	1	<2	<2	<2	1.0	16.5	78.80	8.5	33.49	8.1
A6	22 Nov 2021	811	12	<20	<2	<2	0.1	14.2	85.29	6.8	33.50	7.9
A6	22 Nov 2021	811	18	12e	<2	<2	0.2	13.8	86.07	6.6	33.45	7.9
A6	30 Nov 2021	816	1	<2	<2	<2	1.0	15.7	74.34	9.0	33.47	8.0
A6	30 Nov 2021	816	12	<2	<2	<2	1.0	15.6	80.37	8.8	33.47	8.0
A6	30 Nov 2021	816	18	<2	<2	<2	1.0	15.4	83.29	8.1	33.46	7.9
A7	02 Nov 2021	815	1	2e	<2	<2	1.0	17.7	79.50	7.8	33.55	8.1
A7	02 Nov 2021	815	12	<2	<2	<2	1.0	15.6	85.44	7.5	33.51	8.0
A7	02 Nov 2021	815	18	<2	<2	<2	1.0	15.0	85.11	7.2	33.48	8.0
A7	08 Nov 2021	739	1	4e	<2	<2	0.5	17.5	82.94	7.9	33.54	8.0
A7	08 Nov 2021	739	12	<2	<2	<2	1.0	13.8	86.00	7.0	33.40	7.8
A7	08 Nov 2021	739	18	<2	<2	<2	1.0	13.1	84.54	6.7	33.41	7.8
A7	16 Nov 2021	805	1	<2	<2	<2	1.0	17.2	84.97	8.2	33.51	8.0
A7	16 Nov 2021	805	12	2e	<2	<2	1.0	17.0	84.19	8.0	33.51	8.0
A7	16 Nov 2021	805	18	2e	<2	<2	1.0	15.3	83.42	7.3	33.50	7.9

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
A7	22 Nov 2021	759	1	<2	<2	<2	1.0	16.4	79.67	8.3	33.49	8.0
A7	22 Nov 2021	759	12	<2	2e	<2	1.0	14.8	84.75	7.1	33.48	7.9
A7	22 Nov 2021	759	18	4e	<2	<2	0.5	13.8	86.00	6.6	33.45	7.8
A7	30 Nov 2021	803	1	<2	<2	<2	1.0	15.9	73.53	8.1	33.49	7.9
A7	30 Nov 2021	803	12	<2	<2	<2	1.0	15.4	80.80	8.2	33.47	7.9
A7	30 Nov 2021	803	18	<2	<2	<2	1.0	15.1	83.71	7.7	33.46	7.9
C4	02 Nov 2021	957	1	<2	<2	<2	1.0	18.1	73.71	7.2	33.57	8.0
C4	02 Nov 2021	957	3	<2	<2	<2	1.0	18.0	78.04	7.2	33.59	8.0
C4	02 Nov 2021	957	9	2e	2e	<2	1.0	15.0	80.12	5.9	33.47	7.9
C4	08 Nov 2021	851	1	<2	<2	<2	1.0	17.3	83.26	7.6	33.54	8.0
C4	08 Nov 2021	851	3	<2	<2	<2	1.0	17.2	83.14	7.6	33.54	8.0
C4	08 Nov 2021	851	9	<2	<2	<2	1.0	14.5	83.86	6.5	33.50	7.8
C4	16 Nov 2021	928	1	<2	<2	<2	1.0	17.3	82.22	8.1	33.51	8.0
C4	16 Nov 2021	928	3	<2	<2	<2	1.0	17.3	81.33	8.2	33.52	8.0
C4	16 Nov 2021	928	9	<2	<2	<2	1.0	15.0	79.34	6.7	33.47	7.8
C4	22 Nov 2021	920	1	<2	<2	<2	1.0	16.0	79.29	7.7	33.49	8.0
C4	22 Nov 2021	920	3	<2	<2	<2	1.0	15.9	79.14	7.7	33.49	8.0
C4	22 Nov 2021	920	9	<2	<2	<2	1.0	15.3	81.24	7.2	33.57	7.9
C4	30 Nov 2021	922	1	<20	<2	<2	0.1	15.8	75.75	7.7	33.49	7.9
C4	30 Nov 2021	922	3	<2	<2	<2	1.0	15.8	74.95	7.8	33.50	7.9
C4	30 Nov 2021	922	9	<20	<2	<2	0.1	15.6	78.87	7.6	33.49	7.9
C5	02 Nov 2021	940	1	<2	<2	<2	1.0	17.9	80.66	7.8	33.57	8.1
C5	02 Nov 2021	940	3	<2	<2	<2	1.0	17.9	80.84	7.7	33.57	8.1
C5	02 Nov 2021	940	9	<2	<2	<2	1.0	15.1	79.73	6.5	33.51	7.9
C5	08 Nov 2021	841	1	<2	<2	<2	1.0	17.5	80.33	7.7	33.54	8.0
C5	08 Nov 2021	841	3	<2	<2	<2	1.0	17.5	80.85	7.7	33.54	8.0
C5	08 Nov 2021	841	9	<2	<2	<2	1.0	16.0	78.03	6.5	33.64	7.9
C5	16 Nov 2021	918	1	<2	<2	<2	1.0	17.4	79.79	8.1	33.51	8.0
C5	16 Nov 2021	918	3	<2	<2	<2	1.0	17.5	81.60	8.1	33.52	8.0
C5	16 Nov 2021	918	9	2e	<2	<2	1.0	14.4	83.09	6.9	33.45	7.9
C5	22 Nov 2021	910	1	<2	<2	<2	1.0	16.6	80.76	7.9	33.51	8.0
C5	22 Nov 2021	910	3	<2	<2	<2	1.0	16.6	80.55	7.9	33.51	8.0
C5	22 Nov 2021	910	9	<2	<2	<2	1.0	15.8	82.66	7.1	33.52	8.0
C5	30 Nov 2021	912	1	<2	<2	<2	1.0	16.2	73.88	7.2	33.52	7.9
C5	30 Nov 2021	912	3	<2	<2	<2	1.0	16.0	73.39	6.8	33.53	7.9
C5	30 Nov 2021	912	9	<2	<2	<2	1.0	15.3	82.61	6.8	33.47	7.9
C6	02 Nov 2021	931	1	<2	<2	<2	1.0	18.0	74.96	7.5	33.56	8.1
C6	02 Nov 2021	931	3	<2	<2	<2	1.0	16.9	77.01	7.4	33.65	8.1
C6	02 Nov 2021	931	9	<2	<2	<2	1.0	15.2	83.02	6.8	33.51	7.9
C6	08 Nov 2021	832	1	<2	<2	<2	1.0	17.6	79.30	8.1	33.55	8.0
C6	08 Nov 2021	832	3	<2	<2	<2	1.0	17.6	79.03	8.1	33.55	8.0
C6	08 Nov 2021	832	9	<2	<2	<2	1.0	16.4	78.38	6.9	33.54	7.9
C6	16 Nov 2021	846	1	<2	<2	<2	1.0	17.3	79.69	8.2	33.52	8.0
C6	16 Nov 2021	846	3	2e	<2	<2	1.0	17.3	79.77	8.1	33.52	8.0
C6	16 Nov 2021	846	9	<2	<2	<2	1.0	14.2	83.79	6.6	33.51	7.8

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
C6	22 Nov 2021	859	1	<2	<2	<2	1.0	16.5	79.54	8.2	33.49	8.0
C6	22 Nov 2021	859	3	<2	<2	<2	1.0	16.5	79.47	8.2	33.50	8.0
C6	22 Nov 2021	859	9	2e	<2	<2	1.0	15.0	83.04	6.8	33.59	7.9
C6	30 Nov 2021	901	1	<2	<2	<2	1.0	16.3	76.87	7.8	33.52	8.0
C6	30 Nov 2021	901	3	<2	<2	<2	1.0	16.0	77.61	7.6	33.53	7.9
C6	30 Nov 2021	901	9	<2	<2	<2	1.0	15.3	83.49	6.8	33.47	7.8
C7	02 Nov 2021	850	1	<2	<2	<2	1.0	17.8	82.16	7.8	33.55	8.1
C7	02 Nov 2021	850	12	<2	<2	<2	1.0	15.8	84.99	7.3	33.48	8.0
C7	02 Nov 2021	850	18	2e	<2	<2	1.0	13.8	84.52	6.7	33.57	7.9
C7	08 Nov 2021	803	1	<2	<2	<2	1.0	17.6	82.29	8.1	33.54	8.0
C7	08 Nov 2021	803	12	<2	<2	<2	1.0	16.0	82.94	7.0	33.54	7.9
C7	08 Nov 2021	803	18	<2	<2	<2	1.0	14.3	84.44	6.7	33.45	7.8
C7	16 Nov 2021	835	1	<2	<2	<2	1.0	17.4	81.86	8.2	33.52	8.0
C7	16 Nov 2021	835	12	<2	<2	<2	1.0	17.0	83.23	8.2	33.54	8.0
C7	16 Nov 2021	835	18	8e	<2	<2	0.2	13.8	84.49	6.5	33.51	7.8
C7	22 Nov 2021	827	1	2e	<2	<2	1.0	16.9	84.84	8.3	33.51	8.1
C7	22 Nov 2021	827	12	2e	<2	<2	1.0	14.8	83.55	7.5	33.64	8.0
C7	22 Nov 2021	827	18	2e	<2	<2	1.0	14.0	86.06	6.6	33.46	7.9
C7	30 Nov 2021	829	1	<2	<2	<2	1.0	16.6	82.09	7.8	33.37	8.0
C7	30 Nov 2021	829	12	<2	<2	<2	1.0	15.8	82.48	7.9	33.50	8.0
C7	30 Nov 2021	829	18	<2	<2	2e	1.0	14.8	84.34	6.4	33.47	7.8
C8	02 Nov 2021	904	1	2e	<2	<2	1.0	17.6	77.24	7.5	33.54	8.0
C8	02 Nov 2021	904	12	<2	<2	2e	1.0	14.8	85.48	7.0	33.47	7.9
C8	02 Nov 2021	904	18	<2	<2	<2	1.0	14.0	84.71	6.6	33.53	7.9
C8	08 Nov 2021	813	1	<2	<2	<2	1.0	17.6	81.72	8.0	33.54	8.0
C8	08 Nov 2021	813	12	<2	<2	<2	1.0	16.7	80.60	7.2	33.54	8.0
C8	08 Nov 2021	813	18	4e	2e	<2	0.5	14.2	78.40	6.6	33.46	7.8
C8	16 Nov 2021	846	1	<2	<2	<2	1.0	17.3	80.89	8.6	33.52	8.1
C8	16 Nov 2021	846	12	<2	<2	<2	1.0	16.3	81.86	8.0	33.50	8.0
C8	16 Nov 2021	846	18	<2	<2	<2	1.0	14.6	83.82	7.1	33.52	7.9
C8	22 Nov 2021	841	1	<2	<2	<2	1.0	17.5	84.23	8.3	33.55	8.1
C8	22 Nov 2021	841	12	<2	<2	<2	1.0	16.6	82.80	8.2	33.56	8.1
C8	22 Nov 2021	841	18	<2	2e	<2	1.0	14.9	83.89	7.3	33.53	8.0
C8	30 Nov 2021	841	1	<2	2e	<2	1.0	16.6	82.72	8.0	33.54	8.0
C8	30 Nov 2021	841	12	<2	<2	<2	1.0	15.4	83.37	8.0	33.47	8.0
C8	30 Nov 2021	841	18	4e	<2	<2	0.5	14.7	85.04	6.9	33.50	7.9

ns = not sampled  
ND = no data

**Table 3.9**

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

Station	Date	Parameter	Value
A1	02 Nov 2021	Depth (m)	19
A1	02 Nov 2021	Arrive Time	800
A1	02 Nov 2021	Depart Time	811
A1	02 Nov 2021	Air Temp (C)	15.9
A1	02 Nov 2021	Weather	Overcast
A1	02 Nov 2021	Visibility (mi)	6
A1	02 Nov 2021	Wind Speed (kts)	8.3
A1	02 Nov 2021	Wind Dir	N
A1	02 Nov 2021	Water Color	Blue
A1	02 Nov 2021	Wave Ht Low (ft)	4
A1	02 Nov 2021	Wave Period (sec)	17
A1	02 Nov 2021	Sea State	Confused Swell
A1	02 Nov 2021	High Tide (ft)	5.51
A1	02 Nov 2021	High Tide Time	1454
A1	02 Nov 2021	Low Tide (ft)	0.36
A1	02 Nov 2021	Low Tide Time	830
A1	02 Nov 2021	Comments	Kelp; Kelp Debris
A1	08 Nov 2021	Depth (m)	20
A1	08 Nov 2021	Arrive Time	729
A1	08 Nov 2021	Depart Time	732
A1	08 Nov 2021	Air Temp (C)	14.9
A1	08 Nov 2021	Weather	Overcast
A1	08 Nov 2021	Visibility (mi)	0
A1	08 Nov 2021	Wind Speed (kts)	3.6
A1	08 Nov 2021	Wind Dir	E
A1	08 Nov 2021	Water Color	Blueish-Green
A1	08 Nov 2021	Wave Ht Low (ft)	5
A1	08 Nov 2021	Wave Period (sec)	18
A1	08 Nov 2021	Sea State	Regular Swell
A1	08 Nov 2021	High Tide (ft)	6.14
A1	08 Nov 2021	High Tide Time	1824
A1	08 Nov 2021	Low Tide (ft)	-0.66
A1	08 Nov 2021	Low Tide Time	206
A1	08 Nov 2021	Comments	Kelp; Lobster Floats
A1	16 Nov 2021	Depth (m)	19
A1	16 Nov 2021	Arrive Time	754
A1	16 Nov 2021	Depart Time	759
A1	16 Nov 2021	Air Temp (C)	14
A1	16 Nov 2021	Weather	Fog
A1	16 Nov 2021	Visibility (mi)	1
A1	16 Nov 2021	Wind Speed (kts)	7.9
A1	16 Nov 2021	Wind Dir	E
A1	16 Nov 2021	Water Color	Greenish-Blue
A1	16 Nov 2021	Wave Ht Low (ft)	3
A1	16 Nov 2021	Wave Period (sec)	15
A1	16 Nov 2021	Sea State	Light Chop
A1	16 Nov 2021	High Tide (ft)	5.58
A1	16 Nov 2021	High Tide Time	1454
A1	16 Nov 2021	Low Tide (ft)	0.33
A1	16 Nov 2021	Low Tide Time	2130
A1	16 Nov 2021	Comments	Kelp; Lobster Floats
A1	22 Nov 2021	Depth (m)	18
A1	22 Nov 2021	Arrive Time	747

Station	Date	Parameter	Value
A1	22 Nov 2021	Depart Time	750
A1	22 Nov 2021	Air Temp (C)	21.2
A1	22 Nov 2021	Weather	Clear
A1	22 Nov 2021	Visibility (mi)	10
A1	22 Nov 2021	Wind Speed (kts)	4.4
A1	22 Nov 2021	Wind Dir	E
A1	22 Nov 2021	Water Color	Greenish-Blue
A1	22 Nov 2021	Wave Ht Low (ft)	2.3
A1	22 Nov 2021	Wave Period (sec)	12
A1	22 Nov 2021	Sea State	Calm
A1	22 Nov 2021	High Tide (ft)	5.51
A1	22 Nov 2021	High Tide Time	1724
A1	22 Nov 2021	Low Tide (ft)	0
A1	22 Nov 2021	Low Tide Time	48
A1	22 Nov 2021	Comments	Lobster Floats; Kelp Present
A1	30 Nov 2021	Depth (m)	18
A1	30 Nov 2021	Arrive Time	751
A1	30 Nov 2021	Depart Time	800
A1	30 Nov 2021	Air Temp (C)	12.5
A1	30 Nov 2021	Weather	Fog
A1	30 Nov 2021	Visibility (mi)	1
A1	30 Nov 2021	Wind Speed (kts)	0
A1	30 Nov 2021	Wind Dir	SE
A1	30 Nov 2021	Water Color	Green
A1	30 Nov 2021	Wave Ht Low (ft)	3
A1	30 Nov 2021	Wave Period (sec)	12
A1	30 Nov 2021	Sea State	Wind Ripples
A1	30 Nov 2021	High Tide (ft)	5.32
A1	30 Nov 2021	High Tide Time	1336
A1	30 Nov 2021	Low Tide (ft)	0.69
A1	30 Nov 2021	Low Tide Time	2018
A1	30 Nov 2021	Comments	Kelp; Lobster Floats
A6	02 Nov 2021	Depth (m)	19
A6	02 Nov 2021	Arrive Time	831
A6	02 Nov 2021	Depart Time	835
A6	02 Nov 2021	Air Temp (C)	15.9
A6	02 Nov 2021	Weather	Overcast
A6	02 Nov 2021	Visibility (mi)	6
A6	02 Nov 2021	Wind Speed (kts)	8.6
A6	02 Nov 2021	Wind Dir	N
A6	02 Nov 2021	Water Color	Blue
A6	02 Nov 2021	Wave Ht Low (ft)	4
A6	02 Nov 2021	Wave Period (sec)	17
A6	02 Nov 2021	Sea State	Confused Swell
A6	02 Nov 2021	High Tide (ft)	5.51
A6	02 Nov 2021	High Tide Time	1454
A6	02 Nov 2021	Low Tide (ft)	0.36
A6	02 Nov 2021	Low Tide Time	830
A6	02 Nov 2021	Comments	Kelp; Kelp Debris
A6	08 Nov 2021	Depth (m)	19
A6	08 Nov 2021	Arrive Time	750
A6	08 Nov 2021	Depart Time	753
A6	08 Nov 2021	Air Temp (C)	15.1
A6	08 Nov 2021	Weather	Overcast
A6	08 Nov 2021	Visibility (mi)	10
A6	08 Nov 2021	Wind Speed (kts)	1.6
A6	08 Nov 2021	Wind Dir	NE
A6	08 Nov 2021	Water Color	Blueish-Green

Station	Date	Parameter	Value
A6	08 Nov 2021	Wave Ht Low (ft)	5
A6	08 Nov 2021	Wave Period (sec)	18
A6	08 Nov 2021	Sea State	Regular Swell
A6	08 Nov 2021	High Tide (ft)	6.14
A6	08 Nov 2021	High Tide Time	1824
A6	08 Nov 2021	Low Tide (ft)	-0.66
A6	08 Nov 2021	Low Tide Time	206
A6	08 Nov 2021	Comments	Kelp Debris; Lobster Floats
A6	16 Nov 2021	Depth (m)	20
A6	16 Nov 2021	Arrive Time	818
A6	16 Nov 2021	Depart Time	821
A6	16 Nov 2021	Air Temp (C)	14.5
A6	16 Nov 2021	Weather	Fog
A6	16 Nov 2021	Visibility (mi)	1
A6	16 Nov 2021	Wind Speed (kts)	3.5
A6	16 Nov 2021	Wind Dir	NE
A6	16 Nov 2021	Water Color	Greenish-Blue
A6	16 Nov 2021	Wave Ht Low (ft)	3
A6	16 Nov 2021	Wave Period (sec)	15
A6	16 Nov 2021	Sea State	Light Chop
A6	16 Nov 2021	High Tide (ft)	5.58
A6	16 Nov 2021	High Tide Time	1454
A6	16 Nov 2021	Low Tide (ft)	0.33
A6	16 Nov 2021	Low Tide Time	2130
A6	16 Nov 2021	Comments	Kelp Debris; Lobster Floats
A6	22 Nov 2021	Depth (m)	19
A6	22 Nov 2021	Arrive Time	811
A6	22 Nov 2021	Depart Time	814
A6	22 Nov 2021	Air Temp (C)	20.9
A6	22 Nov 2021	Weather	Clear
A6	22 Nov 2021	Visibility (mi)	10
A6	22 Nov 2021	Wind Speed (kts)	1.9
A6	22 Nov 2021	Wind Dir	N
A6	22 Nov 2021	Water Color	Brownish-Green
A6	22 Nov 2021	Wave Ht Low (ft)	2.3
A6	22 Nov 2021	Wave Period (sec)	12
A6	22 Nov 2021	Sea State	Calm
A6	22 Nov 2021	High Tide (ft)	5.51
A6	22 Nov 2021	High Tide Time	1724
A6	22 Nov 2021	Low Tide (ft)	0
A6	22 Nov 2021	Low Tide Time	48
A6	22 Nov 2021	Comments	Kelp; Lobster Floats
A6	30 Nov 2021	Depth (m)	18
A6	30 Nov 2021	Arrive Time	816
A6	30 Nov 2021	Depart Time	820
A6	30 Nov 2021	Air Temp (C)	12.5
A6	30 Nov 2021	Weather	Fog
A6	30 Nov 2021	Visibility (mi)	1
A6	30 Nov 2021	Wind Speed (kts)	0
A6	30 Nov 2021	Wind Dir	NW
A6	30 Nov 2021	Water Color	Green
A6	30 Nov 2021	Wave Ht Low (ft)	3
A6	30 Nov 2021	Wave Period (sec)	12
A6	30 Nov 2021	Sea State	Wind Ripples
A6	30 Nov 2021	High Tide (ft)	5.32
A6	30 Nov 2021	High Tide Time	1336
A6	30 Nov 2021	Low Tide (ft)	0.69
A6	30 Nov 2021	Low Tide Time	2018

Station	Date	Parameter	Value
A6	30 Nov 2021	Comments	Kelp; Lobster Floats
A7	02 Nov 2021	Depth (m)	1
A7	02 Nov 2021	Arrive Time	815
A7	02 Nov 2021	Depart Time	821
A7	02 Nov 2021	Air Temp (C)	15.9
A7	02 Nov 2021	Weather	Overcast
A7	02 Nov 2021	Visibility (mi)	6
A7	02 Nov 2021	Wind Speed (kts)	6.2
A7	02 Nov 2021	Wind Dir	N
A7	02 Nov 2021	Water Color	Blue
A7	02 Nov 2021	Wave Ht Low (ft)	4
A7	02 Nov 2021	Wave Period (sec)	17
A7	02 Nov 2021	Sea State	Confused Swell
A7	02 Nov 2021	High Tide (ft)	5.51
A7	02 Nov 2021	High Tide Time	1454
A7	02 Nov 2021	Low Tide (ft)	0.36
A7	02 Nov 2021	Low Tide Time	830
A7	02 Nov 2021	Comments	Kelp; Kelp Debris
A7	08 Nov 2021	Depth (m)	19
A7	08 Nov 2021	Arrive Time	739
A7	08 Nov 2021	Depart Time	742
A7	08 Nov 2021	Air Temp (C)	14.8
A7	08 Nov 2021	Weather	Overcast
A7	08 Nov 2021	Visibility (mi)	8
A7	08 Nov 2021	Wind Speed (kts)	5.2
A7	08 Nov 2021	Wind Dir	E
A7	08 Nov 2021	Water Color	Blueish-Green
A7	08 Nov 2021	Wave Ht Low (ft)	5
A7	08 Nov 2021	Wave Period (sec)	18
A7	08 Nov 2021	Sea State	Regular Swell
A7	08 Nov 2021	High Tide (ft)	6.14
A7	08 Nov 2021	High Tide Time	1824
A7	08 Nov 2021	Low Tide (ft)	-0.66
A7	08 Nov 2021	Low Tide Time	206
A7	08 Nov 2021	Comments	Kelp Debris; Lobster Floats
A7	16 Nov 2021	Depth (m)	19
A7	16 Nov 2021	Arrive Time	805
A7	16 Nov 2021	Depart Time	810
A7	16 Nov 2021	Air Temp (C)	14.4
A7	16 Nov 2021	Weather	Fog
A7	16 Nov 2021	Visibility (mi)	1
A7	16 Nov 2021	Wind Speed (kts)	4.3
A7	16 Nov 2021	Wind Dir	E
A7	16 Nov 2021	Water Color	Greenish-Blue
A7	16 Nov 2021	Wave Ht Low (ft)	3
A7	16 Nov 2021	Wave Period (sec)	15
A7	16 Nov 2021	Sea State	Light Chop
A7	16 Nov 2021	High Tide (ft)	5.58
A7	16 Nov 2021	High Tide Time	1454
A7	16 Nov 2021	Low Tide (ft)	0.33
A7	16 Nov 2021	Low Tide Time	2130
A7	16 Nov 2021	Comments	Kelp; Lobster Floats
A7	22 Nov 2021	Depth (m)	20
A7	22 Nov 2021	Arrive Time	759
A7	22 Nov 2021	Depart Time	801
A7	22 Nov 2021	Air Temp (C)	20.8
A7	22 Nov 2021	Weather	Clear



Station	Date	Parameter	Value
A7	22 Nov 2021	Visibility (mi)	10
A7	22 Nov 2021	Wind Speed (kts)	4.1
A7	22 Nov 2021	Wind Dir	NW
A7	22 Nov 2021	Water Color	Greenish-Blue
A7	22 Nov 2021	Wave Ht Low (ft)	2.3
A7	22 Nov 2021	Wave Period (sec)	12
A7	22 Nov 2021	Sea State	Calm
A7	22 Nov 2021	High Tide (ft)	5.51
A7	22 Nov 2021	High Tide Time	1724
A7	22 Nov 2021	Low Tide (ft)	0
A7	22 Nov 2021	Low Tide Time	48
A7	22 Nov 2021	Comments	Kelp; Lobster Floats
A7	30 Nov 2021	Depth (m)	18
A7	30 Nov 2021	Arrive Time	803
A7	30 Nov 2021	Depart Time	807
A7	30 Nov 2021	Air Temp (C)	12.4
A7	30 Nov 2021	Weather	Fog
A7	30 Nov 2021	Visibility (mi)	1
A7	30 Nov 2021	Wind Speed (kts)	1.9
A7	30 Nov 2021	Wind Dir	N
A7	30 Nov 2021	Water Color	Green
A7	30 Nov 2021	Wave Ht Low (ft)	3
A7	30 Nov 2021	Wave Period (sec)	12
A7	30 Nov 2021	Sea State	Wind Ripples
A7	30 Nov 2021	High Tide (ft)	5.32
A7	30 Nov 2021	High Tide Time	1336
A7	30 Nov 2021	Low Tide (ft)	0.69
A7	30 Nov 2021	Low Tide Time	2018
A7	30 Nov 2021	Comments	Kelp; Lobster Floats
C4	02 Nov 2021	Depth (m)	11
C4	02 Nov 2021	Arrive Time	957
C4	02 Nov 2021	Depart Time	1002
C4	02 Nov 2021	Air Temp (C)	16.1
C4	02 Nov 2021	Weather	Overcast
C4	02 Nov 2021	Visibility (mi)	6
C4	02 Nov 2021	Wind Speed (kts)	8.4
C4	02 Nov 2021	Wind Dir	N
C4	02 Nov 2021	Water Color	Green
C4	02 Nov 2021	Wave Ht Low (ft)	4
C4	02 Nov 2021	Wave Period (sec)	15
C4	02 Nov 2021	Sea State	Confused Swell
C4	02 Nov 2021	High Tide (ft)	5.51
C4	02 Nov 2021	High Tide Time	1454
C4	02 Nov 2021	Low Tide (ft)	0.36
C4	02 Nov 2021	Low Tide Time	830
C4	02 Nov 2021	Comments	Kelp; Kelp Debris
C4	08 Nov 2021	Depth (m)	12
C4	08 Nov 2021	Arrive Time	851
C4	08 Nov 2021	Depart Time	856
C4	08 Nov 2021	Air Temp (C)	14.9
C4	08 Nov 2021	Weather	Overcast
C4	08 Nov 2021	Visibility (mi)	10
C4	08 Nov 2021	Wind Speed (kts)	2.3
C4	08 Nov 2021	Wind Dir	S
C4	08 Nov 2021	Water Color	Blueish-Green
C4	08 Nov 2021	Wave Ht Low (ft)	5
C4	08 Nov 2021	Wave Period (sec)	18
C4	08 Nov 2021	Sea State	Regular Swell

Station	Date	Parameter	Value
C4	08 Nov 2021	High Tide (ft)	6.14
C4	08 Nov 2021	High Tide Time	1824
C4	08 Nov 2021	Low Tide (ft)	-0.66
C4	08 Nov 2021	Low Tide Time	206
C4	08 Nov 2021	Comments	none
C4	16 Nov 2021	Depth (m)	11
C4	16 Nov 2021	Arrive Time	928
C4	16 Nov 2021	Depart Time	932
C4	16 Nov 2021	Air Temp (C)	14.3
C4	16 Nov 2021	Weather	Fog
C4	16 Nov 2021	Visibility (mi)	1
C4	16 Nov 2021	Wind Speed (kts)	3.3
C4	16 Nov 2021	Wind Dir	S
C4	16 Nov 2021	Water Color	Green
C4	16 Nov 2021	Wave Ht Low (ft)	3
C4	16 Nov 2021	Wave Period (sec)	15
C4	16 Nov 2021	Sea State	Light Chop
C4	16 Nov 2021	High Tide (ft)	5.58
C4	16 Nov 2021	High Tide Time	1454
C4	16 Nov 2021	Low Tide (ft)	0.33
C4	16 Nov 2021	Low Tide Time	2130
C4	16 Nov 2021	Comments	Kelp Debris; Lobster Floats
C4	22 Nov 2021	Depth (m)	12
C4	22 Nov 2021	Arrive Time	921
C4	22 Nov 2021	Depart Time	924
C4	22 Nov 2021	Air Temp (C)	23.5
C4	22 Nov 2021	Weather	Clear
C4	22 Nov 2021	Visibility (mi)	10
C4	22 Nov 2021	Wind Speed (kts)	1.5
C4	22 Nov 2021	Wind Dir	NE
C4	22 Nov 2021	Water Color	Greenish-Blue
C4	22 Nov 2021	Wave Ht Low (ft)	2.3
C4	22 Nov 2021	Wave Period (sec)	12
C4	22 Nov 2021	Sea State	Calm
C4	22 Nov 2021	High Tide (ft)	5.51
C4	22 Nov 2021	High Tide Time	1724
C4	22 Nov 2021	Low Tide (ft)	0
C4	22 Nov 2021	Low Tide Time	48
C4	22 Nov 2021	Comments	Kelp; Lobster Floats
C4	30 Nov 2021	Depth (m)	12
C4	30 Nov 2021	Arrive Time	922
C4	30 Nov 2021	Depart Time	924
C4	30 Nov 2021	Air Temp (C)	12.6
C4	30 Nov 2021	Weather	Fog
C4	30 Nov 2021	Visibility (mi)	1
C4	30 Nov 2021	Wind Speed (kts)	2
C4	30 Nov 2021	Wind Dir	N
C4	30 Nov 2021	Water Color	Green
C4	30 Nov 2021	Wave Ht Low (ft)	3
C4	30 Nov 2021	Wave Period (sec)	12
C4	30 Nov 2021	Sea State	Wind Ripples
C4	30 Nov 2021	High Tide (ft)	5.32
C4	30 Nov 2021	High Tide Time	1336
C4	30 Nov 2021	Low Tide (ft)	0.69
C4	30 Nov 2021	Low Tide Time	2018
C4	30 Nov 2021	Comments	none
C5	02 Nov 2021	Depth (m)	8

Station	Date	Parameter	Value
C5	02 Nov 2021	Arrive Time	940
C5	02 Nov 2021	Depart Time	951
C5	02 Nov 2021	Air Temp (C)	16.1
C5	02 Nov 2021	Weather	Overcast
C5	02 Nov 2021	Visibility (mi)	6
C5	02 Nov 2021	Wind Speed (kts)	4.4
C5	02 Nov 2021	Wind Dir	NE
C5	02 Nov 2021	Water Color	Green
C5	02 Nov 2021	Wave Ht Low (ft)	4
C5	02 Nov 2021	Wave Period (sec)	15
C5	02 Nov 2021	Sea State	Confused Swell
C5	02 Nov 2021	High Tide (ft)	5.51
C5	02 Nov 2021	High Tide Time	1454
C5	02 Nov 2021	Low Tide (ft)	0.36
C5	02 Nov 2021	Low Tide Time	830
C5	02 Nov 2021	Comments	Had to cast twice due to spikes in data; 3rd bottle fired manually.; Kelp; Kelp Debris; Seagrass
C5	08 Nov 2021	Depth (m)	11
C5	08 Nov 2021	Arrive Time	841
C5	08 Nov 2021	Depart Time	844
C5	08 Nov 2021	Air Temp (C)	15.1
C5	08 Nov 2021	Weather	Overcast
C5	08 Nov 2021	Visibility (mi)	10
C5	08 Nov 2021	Wind Speed (kts)	0.4
C5	08 Nov 2021	Wind Dir	SW
C5	08 Nov 2021	Water Color	Blueish-Green
C5	08 Nov 2021	Wave Ht Low (ft)	5
C5	08 Nov 2021	Wave Period (sec)	18
C5	08 Nov 2021	Sea State	Regular Swell
C5	08 Nov 2021	High Tide (ft)	6.14
C5	08 Nov 2021	High Tide Time	1824
C5	08 Nov 2021	Low Tide (ft)	-0.66
C5	08 Nov 2021	Low Tide Time	206
C5	08 Nov 2021	Comments	Hazard Buoy being brought underwater with swell and high tide; Kelp Debris; Lobster Floats
C5	16 Nov 2021	Depth (m)	11
C5	16 Nov 2021	Arrive Time	918
C5	16 Nov 2021	Depart Time	922
C5	16 Nov 2021	Air Temp (C)	15.2
C5	16 Nov 2021	Weather	Fog
C5	16 Nov 2021	Visibility (mi)	1
C5	16 Nov 2021	Wind Speed (kts)	1.8
C5	16 Nov 2021	Wind Dir	W
C5	16 Nov 2021	Water Color	Green
C5	16 Nov 2021	Wave Ht Low (ft)	3
C5	16 Nov 2021	Wave Period (sec)	15
C5	16 Nov 2021	Sea State	Light Chop
C5	16 Nov 2021	High Tide (ft)	5.58
C5	16 Nov 2021	High Tide Time	1454
C5	16 Nov 2021	Low Tide (ft)	0.33
C5	16 Nov 2021	Low Tide Time	2130
C5	16 Nov 2021	Comments	Kelp; Lobster Floats
C5	22 Nov 2021	Depth (m)	10
C5	22 Nov 2021	Arrive Time	910
C5	22 Nov 2021	Depart Time	912
C5	22 Nov 2021	Air Temp (C)	21.4
C5	22 Nov 2021	Weather	Clear
C5	22 Nov 2021	Visibility (mi)	10

Station	Date	Parameter	Value
C5	22 Nov 2021	Wind Speed (kts)	4.2
C5	22 Nov 2021	Wind Dir	NW
C5	22 Nov 2021	Water Color	Greenish-Blue
C5	22 Nov 2021	Wave Ht Low (ft)	2.3
C5	22 Nov 2021	Wave Period (sec)	12
C5	22 Nov 2021	Sea State	Calm
C5	22 Nov 2021	High Tide (ft)	5.51
C5	22 Nov 2021	High Tide Time	1724
C5	22 Nov 2021	Low Tide (ft)	0
C5	22 Nov 2021	Low Tide Time	48
C5	22 Nov 2021	Comments	Kelp; Lobster Floats
C5	30 Nov 2021	Depth (m)	11
C5	30 Nov 2021	Arrive Time	912
C5	30 Nov 2021	Depart Time	915
C5	30 Nov 2021	Air Temp (C)	12.7
C5	30 Nov 2021	Weather	Fog
C5	30 Nov 2021	Visibility (mi)	1
C5	30 Nov 2021	Wind Speed (kts)	2.1
C5	30 Nov 2021	Wind Dir	N
C5	30 Nov 2021	Water Color	Green
C5	30 Nov 2021	Wave Ht Low (ft)	3
C5	30 Nov 2021	Wave Period (sec)	12
C5	30 Nov 2021	Sea State	Wind Ripples
C5	30 Nov 2021	High Tide (ft)	5.32
C5	30 Nov 2021	High Tide Time	1336
C5	30 Nov 2021	Low Tide (ft)	0.69
C5	30 Nov 2021	Low Tide Time	2018
C5	30 Nov 2021	Comments	none
C6	02 Nov 2021	Depth (m)	11
C6	02 Nov 2021	Arrive Time	931
C6	02 Nov 2021	Depart Time	937
C6	02 Nov 2021	Air Temp (C)	16.1
C6	02 Nov 2021	Weather	Overcast
C6	02 Nov 2021	Visibility (mi)	6
C6	02 Nov 2021	Wind Speed (kts)	5
C6	02 Nov 2021	Wind Dir	NE
C6	02 Nov 2021	Water Color	Green
C6	02 Nov 2021	Wave Ht Low (ft)	4
C6	02 Nov 2021	Wave Period (sec)	15
C6	02 Nov 2021	Sea State	Confused Swell
C6	02 Nov 2021	High Tide (ft)	5.51
C6	02 Nov 2021	High Tide Time	1454
C6	02 Nov 2021	Low Tide (ft)	0.36
C6	02 Nov 2021	Low Tide Time	830
C6	02 Nov 2021	Comments	Kelp; Kelp Debris
C6	08 Nov 2021	Depth (m)	9
C6	08 Nov 2021	Arrive Time	832
C6	08 Nov 2021	Depart Time	838
C6	08 Nov 2021	Air Temp (C)	15.2
C6	08 Nov 2021	Weather	Overcast
C6	08 Nov 2021	Visibility (mi)	10
C6	08 Nov 2021	Wind Speed (kts)	2.4
C6	08 Nov 2021	Wind Dir	S
C6	08 Nov 2021	Water Color	Blueish-Green
C6	08 Nov 2021	Wave Ht Low (ft)	5
C6	08 Nov 2021	Wave Period (sec)	18
C6	08 Nov 2021	Sea State	Regular Swell
C6	08 Nov 2021	High Tide (ft)	6.14

Station	Date	Parameter	Value
C6	08 Nov 2021	High Tide Time	1824
C6	08 Nov 2021	Low Tide (ft)	-0.66
C6	08 Nov 2021	Low Tide Time	206
C6	08 Nov 2021	Comments	none
C6	16 Nov 2021	Depth (m)	10
C6	16 Nov 2021	Arrive Time	907
C6	16 Nov 2021	Depart Time	910
C6	16 Nov 2021	Air Temp (C)	14.7
C6	16 Nov 2021	Weather	Fog
C6	16 Nov 2021	Visibility (mi)	1
C6	16 Nov 2021	Wind Speed (kts)	0.7
C6	16 Nov 2021	Wind Dir	NE
C6	16 Nov 2021	Water Color	Green
C6	16 Nov 2021	Wave Ht Low (ft)	3
C6	16 Nov 2021	Wave Period (sec)	15
C6	16 Nov 2021	Sea State	Light Chop
C6	16 Nov 2021	High Tide (ft)	5.58
C6	16 Nov 2021	High Tide Time	1454
C6	16 Nov 2021	Low Tide (ft)	0.33
C6	16 Nov 2021	Low Tide Time	2130
C6	16 Nov 2021	Comments	Kelp; Lobster Floats
C6	22 Nov 2021	Depth (m)	10
C6	22 Nov 2021	Arrive Time	859
C6	22 Nov 2021	Depart Time	902
C6	22 Nov 2021	Air Temp (C)	20.5
C6	22 Nov 2021	Weather	Clear
C6	22 Nov 2021	Visibility (mi)	10
C6	22 Nov 2021	Wind Speed (kts)	1.9
C6	22 Nov 2021	Wind Dir	N
C6	22 Nov 2021	Water Color	Greenish-Blue
C6	22 Nov 2021	Wave Ht Low (ft)	2.3
C6	22 Nov 2021	Wave Period (sec)	12
C6	22 Nov 2021	Sea State	Calm
C6	22 Nov 2021	High Tide (ft)	5.51
C6	22 Nov 2021	High Tide Time	1724
C6	22 Nov 2021	Low Tide (ft)	0
C6	22 Nov 2021	Low Tide Time	48
C6	22 Nov 2021	Comments	Kelp
C6	30 Nov 2021	Depth (m)	9
C6	30 Nov 2021	Arrive Time	901
C6	30 Nov 2021	Depart Time	905
C6	30 Nov 2021	Air Temp (C)	12.6
C6	30 Nov 2021	Weather	Fog
C6	30 Nov 2021	Visibility (mi)	1
C6	30 Nov 2021	Wind Speed (kts)	0
C6	30 Nov 2021	Wind Dir	N
C6	30 Nov 2021	Water Color	Green
C6	30 Nov 2021	Wave Ht Low (ft)	3
C6	30 Nov 2021	Wave Period (sec)	12
C6	30 Nov 2021	Sea State	Wind Ripples
C6	30 Nov 2021	High Tide (ft)	5.32
C6	30 Nov 2021	High Tide Time	1336
C6	30 Nov 2021	Low Tide (ft)	0.69
C6	30 Nov 2021	Low Tide Time	2018
C6	30 Nov 2021	Comments	Kelp Debris; Lobster Floats
C7	02 Nov 2021	Depth (m)	19
C7	02 Nov 2021	Arrive Time	850

Station	Date	Parameter	Value
C7	02 Nov 2021	Depart Time	854
C7	02 Nov 2021	Air Temp (C)	15.8
C7	02 Nov 2021	Weather	Overcast
C7	02 Nov 2021	Visibility (mi)	6
C7	02 Nov 2021	Wind Speed (kts)	4.7
C7	02 Nov 2021	Wind Dir	N
C7	02 Nov 2021	Water Color	Blue
C7	02 Nov 2021	Wave Ht Low (ft)	4
C7	02 Nov 2021	Wave Period (sec)	17
C7	02 Nov 2021	Sea State	Confused Swell
C7	02 Nov 2021	High Tide (ft)	5.51
C7	02 Nov 2021	High Tide Time	1454
C7	02 Nov 2021	Low Tide (ft)	0.36
C7	02 Nov 2021	Low Tide Time	830
C7	02 Nov 2021	Comments	Kelp; Kelp Debris
C7	08 Nov 2021	Depth (m)	19
C7	08 Nov 2021	Arrive Time	803
C7	08 Nov 2021	Depart Time	806
C7	08 Nov 2021	Air Temp (C)	15.2
C7	08 Nov 2021	Weather	Overcast
C7	08 Nov 2021	Visibility (mi)	10
C7	08 Nov 2021	Wind Speed (kts)	0
C7	08 Nov 2021	Wind Dir	N
C7	08 Nov 2021	Water Color	Blueish-Green
C7	08 Nov 2021	Wave Ht Low (ft)	5
C7	08 Nov 2021	Wave Period (sec)	18
C7	08 Nov 2021	Sea State	Regular Swell
C7	08 Nov 2021	High Tide (ft)	6.14
C7	08 Nov 2021	High Tide Time	1824
C7	08 Nov 2021	Low Tide (ft)	-0.66
C7	08 Nov 2021	Low Tide Time	206
C7	08 Nov 2021	Comments	Kelp; Kelp Debris; Lobster Floats
C7	16 Nov 2021	Depth (m)	18
C7	16 Nov 2021	Arrive Time	835
C7	16 Nov 2021	Depart Time	841
C7	16 Nov 2021	Air Temp (C)	14.7
C7	16 Nov 2021	Weather	Fog
C7	16 Nov 2021	Visibility (mi)	1
C7	16 Nov 2021	Wind Speed (kts)	5.7
C7	16 Nov 2021	Wind Dir	N
C7	16 Nov 2021	Water Color	Greenish-Blue
C7	16 Nov 2021	Wave Ht Low (ft)	3
C7	16 Nov 2021	Wave Period (sec)	15
C7	16 Nov 2021	Sea State	Light Chop
C7	16 Nov 2021	High Tide (ft)	5.58
C7	16 Nov 2021	High Tide Time	1454
C7	16 Nov 2021	Low Tide (ft)	0.33
C7	16 Nov 2021	Low Tide Time	2130
C7	16 Nov 2021	Comments	Kelp Debris; Lobster Floats
C7	22 Nov 2021	Depth (m)	18
C7	22 Nov 2021	Arrive Time	827
C7	22 Nov 2021	Depart Time	830
C7	22 Nov 2021	Air Temp (C)	18.1
C7	22 Nov 2021	Weather	Clear
C7	22 Nov 2021	Visibility (mi)	10
C7	22 Nov 2021	Wind Speed (kts)	4.6
C7	22 Nov 2021	Wind Dir	N
C7	22 Nov 2021	Water Color	Brownish-Green

Station	Date	Parameter	Value
C7	22 Nov 2021	Wave Ht Low (ft)	2.3
C7	22 Nov 2021	Wave Period (sec)	12
C7	22 Nov 2021	Sea State	Calm
C7	22 Nov 2021	High Tide (ft)	5.51
C7	22 Nov 2021	High Tide Time	1724
C7	22 Nov 2021	Low Tide (ft)	0
C7	22 Nov 2021	Low Tide Time	48
C7	22 Nov 2021	Comments	none
C7	30 Nov 2021	Depth (m)	18
C7	30 Nov 2021	Arrive Time	829
C7	30 Nov 2021	Depart Time	835
C7	30 Nov 2021	Air Temp (C)	12.9
C7	30 Nov 2021	Weather	Fog
C7	30 Nov 2021	Visibility (mi)	1
C7	30 Nov 2021	Wind Speed (kts)	0
C7	30 Nov 2021	Wind Dir	NE
C7	30 Nov 2021	Water Color	Greenish-blue
C7	30 Nov 2021	Wave Ht Low (ft)	3
C7	30 Nov 2021	Wave Period (sec)	12
C7	30 Nov 2021	Sea State	Wind Ripples
C7	30 Nov 2021	High Tide (ft)	5.32
C7	30 Nov 2021	High Tide Time	1336
C7	30 Nov 2021	Low Tide (ft)	0.69
C7	30 Nov 2021	Low Tide Time	2018
C7	30 Nov 2021	Comments	Kelp Debris; Lobster Floats
C8	02 Nov 2021	Depth (m)	20
C8	02 Nov 2021	Arrive Time	904
C8	02 Nov 2021	Depart Time	916
C8	02 Nov 2021	Air Temp (C)	15.8
C8	02 Nov 2021	Weather	Overcast
C8	02 Nov 2021	Visibility (mi)	6
C8	02 Nov 2021	Wind Speed (kts)	8.4
C8	02 Nov 2021	Wind Dir	N
C8	02 Nov 2021	Water Color	Greenish-Blue
C8	02 Nov 2021	Wave Ht Low (ft)	4
C8	02 Nov 2021	Wave Period (sec)	15
C8	02 Nov 2021	Sea State	Confused Swell
C8	02 Nov 2021	High Tide (ft)	5.51
C8	02 Nov 2021	High Tide Time	1454
C8	02 Nov 2021	Low Tide (ft)	0.36
C8	02 Nov 2021	Low Tide Time	830
C8	02 Nov 2021	Comments	Kelp Debris
C8	08 Nov 2021	Depth (m)	20
C8	08 Nov 2021	Arrive Time	813
C8	08 Nov 2021	Depart Time	816
C8	08 Nov 2021	Air Temp (C)	15.1
C8	08 Nov 2021	Weather	Overcast
C8	08 Nov 2021	Visibility (mi)	10
C8	08 Nov 2021	Wind Speed (kts)	2.7
C8	08 Nov 2021	Wind Dir	NE
C8	08 Nov 2021	Water Color	Blueish-Green
C8	08 Nov 2021	Wave Ht Low (ft)	5
C8	08 Nov 2021	Wave Period (sec)	18
C8	08 Nov 2021	Sea State	Regular Swell
C8	08 Nov 2021	High Tide (ft)	6.14
C8	08 Nov 2021	High Tide Time	1824
C8	08 Nov 2021	Low Tide (ft)	-0.66
C8	08 Nov 2021	Low Tide Time	206

Station	Date	Parameter	Value
C8	08 Nov 2021	Comments	none
C8	16 Nov 2021	Depth (m)	18
C8	16 Nov 2021	Arrive Time	846
C8	16 Nov 2021	Depart Time	851
C8	16 Nov 2021	Air Temp (C)	14.7
C8	16 Nov 2021	Weather	Fog
C8	16 Nov 2021	Visibility (mi)	1
C8	16 Nov 2021	Wind Speed (kts)	4.1
C8	16 Nov 2021	Wind Dir	SE
C8	16 Nov 2021	Water Color	Greenish-Blue
C8	16 Nov 2021	Wave Ht Low (ft)	3
C8	16 Nov 2021	Wave Period (sec)	15
C8	16 Nov 2021	Sea State	Light Chop
C8	16 Nov 2021	High Tide (ft)	5.58
C8	16 Nov 2021	High Tide Time	1454
C8	16 Nov 2021	Low Tide (ft)	0.33
C8	16 Nov 2021	Low Tide Time	2130
C8	16 Nov 2021	Comments	Kelp Debris; Lobster Floats
C8	22 Nov 2021	Depth (m)	20
C8	22 Nov 2021	Arrive Time	841
C8	22 Nov 2021	Depart Time	843
C8	22 Nov 2021	Air Temp (C)	18.5
C8	22 Nov 2021	Weather	Clear
C8	22 Nov 2021	Visibility (mi)	10
C8	22 Nov 2021	Wind Speed (kts)	5.6
C8	22 Nov 2021	Wind Dir	NE
C8	22 Nov 2021	Water Color	Blue
C8	22 Nov 2021	Wave Ht Low (ft)	2.3
C8	22 Nov 2021	Wave Period (sec)	12
C8	22 Nov 2021	Sea State	Calm
C8	22 Nov 2021	High Tide (ft)	5.51
C8	22 Nov 2021	High Tide Time	1724
C8	22 Nov 2021	Low Tide (ft)	0
C8	22 Nov 2021	Low Tide Time	48
C8	22 Nov 2021	Comments	none
C8	30 Nov 2021	Depth (m)	19
C8	30 Nov 2021	Arrive Time	841
C8	30 Nov 2021	Depart Time	847
C8	30 Nov 2021	Air Temp (C)	12.1
C8	30 Nov 2021	Weather	Fog
C8	30 Nov 2021	Visibility (mi)	1
C8	30 Nov 2021	Wind Speed (kts)	0
C8	30 Nov 2021	Wind Dir	SE
C8	30 Nov 2021	Water Color	Greenish-blue
C8	30 Nov 2021	Wave Ht Low (ft)	3
C8	30 Nov 2021	Wave Period (sec)	12
C8	30 Nov 2021	Sea State	Wind Ripples
C8	30 Nov 2021	High Tide (ft)	5.32
C8	30 Nov 2021	High Tide Time	1336
C8	30 Nov 2021	Low Tide (ft)	0.69
C8	30 Nov 2021	Low Tide Time	2018
C8	30 Nov 2021	Comments	Kelp Debris; Lobster Floats



**Table 3.10**

Summary of CTD profile data from the PLOO kelp stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A1	02 Nov 2021	1	17.17	84.01	7.7	33.51	8.0	24.3	1.48
A1	02 Nov 2021	2	17.17	84.59	7.7	33.51	8.0	24.3	1.45
A1	02 Nov 2021	3	17.13	84.97	7.7	33.51	8.0	24.3	1.47
A1	02 Nov 2021	4	16.88	85.28	7.7	33.53	8.0	24.4	1.48
A1	02 Nov 2021	5	16.57	86.31	7.7	33.49	8.0	24.5	1.46
A1	02 Nov 2021	6	15.83	87.04	7.7	33.50	8.0	24.6	1.35
A1	02 Nov 2021	7	15.84	87.20	7.7	33.41	8.0	24.6	1.27
A1	02 Nov 2021	8	15.66	87.18	7.7	33.44	8.0	24.6	1.09
A1	02 Nov 2021	9	15.65	87.21	7.7	33.42	8.0	24.6	1.07
A1	02 Nov 2021	10	15.56	87.27	7.7	33.42	8.0	24.6	1.08
A1	02 Nov 2021	11	15.45	86.94	7.7	33.44	8.0	24.7	1.06
A1	02 Nov 2021	12	15.29	87.06	7.6	33.43	8.0	24.7	1.00
A1	02 Nov 2021	13	15.09	86.34	7.5	33.46	8.0	24.8	1.12
A1	02 Nov 2021	14	14.86	85.55	7.3	33.47	7.9	24.8	1.19
A1	02 Nov 2021	15	14.50	85.30	7.1	33.48	7.9	24.9	1.23
A1	02 Nov 2021	16	14.40	85.15	7.0	33.46	7.9	24.9	1.33
A1	02 Nov 2021	17	14.33	85.21	6.9	33.47	7.9	24.9	1.24
A1	02 Nov 2021	18	14.02	85.13	6.7	33.48	7.9	25.0	1.22
A1	02 Nov 2021	19	13.86	84.96	6.7	33.47	7.9	25.0	1.16
A1	08 Nov 2021	1	17.53	84.73	8.0	33.53	8.0	24.3	1.23
A1	08 Nov 2021	2	17.53	84.67	8.0	33.53	8.0	24.3	1.25
A1	08 Nov 2021	3	17.53	84.55	7.9	33.54	8.0	24.3	1.21
A1	08 Nov 2021	4	16.81	84.55	7.6	33.69	8.0	24.6	1.29
A1	08 Nov 2021	5	15.10	84.66	7.2	33.69	7.9	24.9	1.33
A1	08 Nov 2021	6	14.13	85.19	7.0	33.55	7.9	25.0	1.33
A1	08 Nov 2021	7	13.84	85.83	7.0	33.49	7.8	25.1	1.22
A1	08 Nov 2021	8	13.49	86.02	7.0	33.45	7.8	25.1	1.10
A1	08 Nov 2021	9	13.37	86.47	7.1	33.39	7.8	25.1	1.00
A1	08 Nov 2021	10	13.11	87.23	7.2	33.39	7.8	25.1	0.94
A1	08 Nov 2021	11	13.02	87.70	7.1	33.37	7.8	25.1	0.87
A1	08 Nov 2021	12	13.02	87.62	7.0	33.37	7.8	25.1	0.83
A1	08 Nov 2021	13	13.00	86.84	7.0	33.37	7.8	25.1	0.83
A1	08 Nov 2021	14	12.98	86.56	7.0	33.38	7.8	25.1	0.81
A1	08 Nov 2021	15	12.97	86.51	7.0	33.38	7.8	25.1	0.87
A1	08 Nov 2021	16	12.96	86.49	6.9	33.38	7.8	25.1	0.83
A1	08 Nov 2021	17	12.95	86.51	6.9	33.38	7.8	25.1	0.86
A1	08 Nov 2021	18	12.95	86.46	6.9	33.38	7.8	25.1	0.84
A1	08 Nov 2021	19	12.96	86.51	6.9	33.38	7.8	25.1	0.85
A1	08 Nov 2021	20	12.96	85.75	6.9	33.39	7.8	25.2	0.89
A1	16 Nov 2021	1	16.77	83.90	7.9	33.49	8.0	24.4	1.53
A1	16 Nov 2021	2	16.87	83.39	7.9	33.49	8.0	24.4	1.56
A1	16 Nov 2021	3	16.85	83.98	7.9	33.51	8.0	24.4	1.59
A1	16 Nov 2021	4	16.83	84.17	7.9	33.50	8.0	24.4	1.58
A1	16 Nov 2021	5	16.76	84.16	7.9	33.51	8.0	24.4	1.62
A1	16 Nov 2021	6	16.71	84.19	7.9	33.50	8.0	24.4	1.61
A1	16 Nov 2021	7	16.70	84.28	7.9	33.50	8.0	24.4	1.58
A1	16 Nov 2021	8	16.66	84.30	7.9	33.50	8.0	24.4	1.54
A1	16 Nov 2021	9	16.60	84.30	7.9	33.50	8.0	24.5	1.52
A1	16 Nov 2021	10	16.42	84.39	7.8	33.51	8.0	24.5	1.61
A1	16 Nov 2021	11	16.18	84.30	7.8	33.49	8.0	24.5	1.63
A1	16 Nov 2021	12	16.11	84.13	7.8	33.48	8.0	24.6	1.64
A1	16 Nov 2021	13	16.02	83.92	7.7	33.48	8.0	24.6	1.76
A1	16 Nov 2021	14	15.73	83.66	7.6	33.49	7.9	24.6	1.83
A1	16 Nov 2021	15	15.53	83.07	7.6	33.47	7.9	24.7	1.97

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	16 Nov 2021	16	15.31	82.56	7.5	33.48	7.9	24.7	2.06
A1	16 Nov 2021	17	14.93	82.43	7.3	33.48	7.9	24.8	2.10
A1	16 Nov 2021	18	14.59	82.98	7.0	33.47	7.9	24.9	1.97
A1	16 Nov 2021	19	14.44	83.42	6.9	33.46	7.9	24.9	1.87
A1	22 Nov 2021	1	16.13	81.22	8.1	33.48	8.0	24.5	2.93
A1	22 Nov 2021	2	16.07	81.31	8.0	33.49	8.0	24.6	2.98
A1	22 Nov 2021	3	15.84	81.53	7.8	33.50	8.0	24.6	3.11
A1	22 Nov 2021	4	15.02	82.39	7.4	33.57	7.9	24.9	2.89
A1	22 Nov 2021	5	14.39	83.75	7.1	33.46	7.9	24.9	2.39
A1	22 Nov 2021	6	14.27	84.84	7.0	33.45	7.9	24.9	2.00
A1	22 Nov 2021	7	14.17	85.61	7.0	33.43	7.8	24.9	1.61
A1	22 Nov 2021	8	14.15	85.82	7.0	33.42	7.8	24.9	1.39
A1	22 Nov 2021	9	14.05	85.87	6.9	33.43	7.8	25.0	1.27
A1	22 Nov 2021	10	13.97	85.85	6.8	33.42	7.8	25.0	1.23
A1	22 Nov 2021	11	13.97	85.90	6.8	33.42	7.8	25.0	1.16
A1	22 Nov 2021	12	13.85	85.87	6.8	33.44	7.8	25.0	1.09
A1	22 Nov 2021	13	13.74	85.91	6.7	33.42	7.8	25.0	1.08
A1	22 Nov 2021	14	13.79	86.08	6.7	33.42	7.8	25.0	1.04
A1	22 Nov 2021	15	13.77	86.08	6.7	33.42	7.8	25.0	0.99
A1	22 Nov 2021	16	13.75	86.02	6.7	33.43	7.8	25.0	0.98
A1	22 Nov 2021	17	13.73	86.06	6.7	33.42	7.8	25.0	0.99
A1	22 Nov 2021	18	13.76	85.94	6.7	33.42	7.8	25.0	0.95
A1	30 Nov 2021	1	15.68	78.45	7.8	33.48	7.9	24.7	2.70
A1	30 Nov 2021	2	15.67	78.36	7.8	33.48	7.9	24.7	2.78
A1	30 Nov 2021	3	15.67	78.80	7.8	33.48	7.9	24.7	2.73
A1	30 Nov 2021	4	15.67	78.72	7.8	33.48	7.9	24.7	2.82
A1	30 Nov 2021	5	15.66	78.57	7.7	33.48	7.9	24.7	2.83
A1	30 Nov 2021	6	15.66	78.74	7.8	33.48	7.9	24.7	2.82
A1	30 Nov 2021	7	15.65	79.24	7.7	33.48	7.9	24.7	2.73
A1	30 Nov 2021	8	15.62	79.47	7.7	33.48	7.9	24.7	2.79
A1	30 Nov 2021	9	15.61	79.90	7.7	33.48	7.9	24.7	2.67
A1	30 Nov 2021	10	15.60	80.10	7.7	33.48	7.9	24.7	2.46
A1	30 Nov 2021	11	15.59	80.36	7.6	33.48	7.9	24.7	2.26
A1	30 Nov 2021	12	15.56	80.77	7.6	33.48	7.9	24.7	2.18
A1	30 Nov 2021	13	15.52	81.09	7.5	33.48	7.9	24.7	2.09
A1	30 Nov 2021	14	15.44	81.45	7.4	33.49	7.8	24.7	1.91
A1	30 Nov 2021	15	15.25	82.39	7.2	33.48	7.8	24.7	1.80
A1	30 Nov 2021	16	15.15	83.29	6.9	33.48	7.8	24.8	1.44
A1	30 Nov 2021	17	14.92	83.95	6.7	33.49	7.8	24.8	1.31
A1	30 Nov 2021	18	14.02	84.76	6.6	33.55	7.8	25.1	1.06
A6	02 Nov 2021	1	17.60	82.89	7.8	33.52	8.1	24.2	1.89
A6	02 Nov 2021	2	17.61	82.97	7.8	33.55	8.1	24.3	1.90
A6	02 Nov 2021	3	17.42	82.27	7.8	33.58	8.1	24.3	1.92
A6	02 Nov 2021	4	17.07	83.16	7.7	33.53	8.1	24.4	1.91
A6	02 Nov 2021	5	16.92	84.25	7.7	33.55	8.0	24.4	2.07
A6	02 Nov 2021	6	16.27	85.57	7.7	33.52	8.0	24.5	2.06
A6	02 Nov 2021	7	16.13	85.84	7.7	33.49	8.0	24.6	2.06
A6	02 Nov 2021	8	15.96	85.84	7.7	33.48	8.0	24.6	1.91
A6	02 Nov 2021	9	15.87	85.92	7.7	33.47	8.0	24.6	1.74
A6	02 Nov 2021	10	15.79	85.69	7.6	33.46	8.0	24.6	1.62
A6	02 Nov 2021	11	15.77	85.59	7.6	33.46	8.0	24.6	1.52
A6	02 Nov 2021	12	15.74	85.38	7.5	33.46	8.0	24.6	1.64
A6	02 Nov 2021	13	15.75	85.17	7.5	33.46	8.0	24.6	1.54
A6	02 Nov 2021	14	15.73	85.17	7.4	33.47	8.0	24.6	1.55
A6	02 Nov 2021	15	15.73	85.07	7.5	33.47	8.0	24.6	1.57
A6	02 Nov 2021	16	15.71	85.13	7.4	33.47	8.0	24.6	1.66
A6	02 Nov 2021	17	15.70	84.97	7.3	33.48	8.0	24.6	1.55
A6	02 Nov 2021	18	15.53	84.93	7.2	33.51	8.0	24.7	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A6	02 Nov 2021	19	15.15	85.01	7.1	33.50	8.0	24.8	1.64
A6	02 Nov 2021	20	15.00	84.73	7.1	33.53	7.9	24.8	1.57
A6	08 Nov 2021	1	17.59	81.67	8.1	33.55	8.0	24.3	1.61
A6	08 Nov 2021	2	17.59	81.55	8.1	33.55	8.0	24.3	1.66
A6	08 Nov 2021	3	17.59	81.50	8.1	33.55	8.0	24.3	1.72
A6	08 Nov 2021	4	17.56	81.50	8.1	33.55	8.0	24.3	1.79
A6	08 Nov 2021	5	17.51	81.35	7.9	33.55	8.0	24.3	2.01
A6	08 Nov 2021	6	16.81	81.37	7.5	33.64	8.0	24.5	2.16
A6	08 Nov 2021	7	15.82	82.42	7.2	33.57	7.9	24.7	2.07
A6	08 Nov 2021	8	15.39	83.19	7.0	33.52	7.9	24.7	1.71
A6	08 Nov 2021	9	15.11	84.08	6.9	33.51	7.9	24.8	1.46
A6	08 Nov 2021	10	14.43	84.45	6.9	33.52	7.9	25.0	1.29
A6	08 Nov 2021	11	14.20	84.93	6.8	33.46	7.9	25.0	1.21
A6	08 Nov 2021	12	14.18	85.19	6.9	33.45	7.9	24.9	1.05
A6	08 Nov 2021	13	14.13	85.23	6.8	33.45	7.9	25.0	1.01
A6	08 Nov 2021	14	14.06	85.28	6.8	33.45	7.8	25.0	0.99
A6	08 Nov 2021	15	13.96	85.11	6.8	33.45	7.8	25.0	0.96
A6	08 Nov 2021	16	13.83	85.09	6.8	33.45	7.8	25.0	0.95
A6	08 Nov 2021	17	13.66	84.95	6.7	33.45	7.8	25.1	0.92
A6	08 Nov 2021	18	13.25	84.56	6.7	33.48	7.8	25.2	0.90
A6	08 Nov 2021	19	12.93	83.61	6.6	33.45	7.8	25.2	0.89
A6	08 Nov 2021	20	12.91	83.29	6.6	33.43	7.8	25.2	0.90
A6	16 Nov 2021	1	17.16	82.66	8.1	33.51	8.0	24.3	1.40
A6	16 Nov 2021	2	17.16	83.52	8.1	33.51	8.0	24.3	1.37
A6	16 Nov 2021	3	17.15	83.64	8.1	33.51	8.0	24.3	1.48
A6	16 Nov 2021	4	17.15	83.61	8.1	33.51	8.0	24.3	1.53
A6	16 Nov 2021	5	17.14	83.71	8.1	33.51	8.0	24.3	1.55
A6	16 Nov 2021	6	17.14	83.79	8.1	33.51	8.0	24.3	1.60
A6	16 Nov 2021	7	17.13	83.96	8.0	33.51	8.0	24.3	1.59
A6	16 Nov 2021	8	17.11	83.98	8.1	33.51	8.0	24.3	1.53
A6	16 Nov 2021	9	17.11	83.69	8.0	33.51	8.0	24.3	1.46
A6	16 Nov 2021	10	17.08	84.17	8.1	33.51	8.0	24.3	1.45
A6	16 Nov 2021	11	17.02	83.65	8.0	33.52	8.0	24.4	1.44
A6	16 Nov 2021	12	16.84	84.17	8.0	33.50	8.0	24.4	1.39
A6	16 Nov 2021	13	16.73	84.52	8.0	33.52	8.0	24.4	1.43
A6	16 Nov 2021	14	16.52	84.41	7.9	33.50	8.0	24.5	1.46
A6	16 Nov 2021	15	16.46	84.08	7.9	33.49	8.0	24.5	1.50
A6	16 Nov 2021	16	16.45	83.87	7.8	33.48	8.0	24.5	1.60
A6	16 Nov 2021	17	16.12	83.86	7.6	33.53	8.0	24.6	1.70
A6	16 Nov 2021	18	15.63	84.36	7.5	33.50	7.9	24.7	1.75
A6	16 Nov 2021	19	15.54	84.74	7.3	33.48	7.9	24.7	1.53
A6	16 Nov 2021	20	15.44	85.00	7.3	33.47	7.9	24.7	1.30
A6	22 Nov 2021	1	16.51	78.80	8.5	33.49	8.1	24.5	3.23
A6	22 Nov 2021	2	16.50	78.82	8.6	33.49	8.1	24.5	3.42
A6	22 Nov 2021	3	16.49	78.48	8.5	33.49	8.1	24.5	3.34
A6	22 Nov 2021	4	16.48	77.90	8.5	33.49	8.1	24.5	3.59
A6	22 Nov 2021	5	16.47	78.00	8.5	33.49	8.1	24.5	4.31
A6	22 Nov 2021	6	16.39	78.63	8.4	33.50	8.1	24.5	4.87
A6	22 Nov 2021	7	16.16	79.60	8.2	33.53	8.0	24.6	5.19
A6	22 Nov 2021	8	15.51	81.43	7.7	33.58	8.0	24.8	4.54
A6	22 Nov 2021	9	14.96	83.52	7.2	33.54	7.9	24.9	3.84
A6	22 Nov 2021	10	14.74	84.79	6.8	33.49	7.9	24.9	3.11
A6	22 Nov 2021	11	14.54	85.19	6.8	33.50	7.9	24.9	2.15
A6	22 Nov 2021	12	14.17	85.29	6.8	33.50	7.9	25.0	1.61
A6	22 Nov 2021	13	14.10	85.58	6.8	33.45	7.9	25.0	1.35
A6	22 Nov 2021	14	14.11	85.80	6.8	33.45	7.9	25.0	1.24
A6	22 Nov 2021	15	14.08	85.84	6.8	33.45	7.9	25.0	1.12
A6	22 Nov 2021	16	13.99	85.83	6.7	33.46	7.9	25.0	1.09

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A6	22 Nov 2021	17	13.86	85.90	6.7	33.47	7.9	25.0	1.06
A6	22 Nov 2021	18	13.78	86.07	6.6	33.45	7.9	25.0	1.06
A6	22 Nov 2021	19	13.67	86.24	6.5	33.48	7.8	25.1	0.99
A6	30 Nov 2021	1	15.70	74.34	9.0	33.47	8.0	24.6	5.96
A6	30 Nov 2021	2	15.70	67.14	9.0	33.47	8.0	24.6	6.21
A6	30 Nov 2021	3	15.69	73.98	8.9	33.47	8.0	24.6	6.99
A6	30 Nov 2021	4	15.67	75.71	8.9	33.47	8.0	24.6	7.28
A6	30 Nov 2021	5	15.65	77.23	9.0	33.47	8.0	24.6	6.59
A6	30 Nov 2021	6	15.64	77.96	9.1	33.47	8.0	24.6	5.78
A6	30 Nov 2021	7	15.64	78.36	9.1	33.47	8.0	24.7	5.34
A6	30 Nov 2021	8	15.64	78.45	9.0	33.47	8.0	24.7	4.75
A6	30 Nov 2021	9	15.63	78.93	9.0	33.47	8.0	24.7	4.72
A6	30 Nov 2021	10	15.62	79.39	9.0	33.47	8.0	24.7	4.20
A6	30 Nov 2021	11	15.61	80.10	9.0	33.47	8.0	24.7	3.99
A6	30 Nov 2021	12	15.57	80.37	8.8	33.47	8.0	24.7	3.62
A6	30 Nov 2021	13	15.51	80.75	8.5	33.47	8.0	24.7	3.49
A6	30 Nov 2021	14	15.46	81.27	8.4	33.47	8.0	24.7	3.32
A6	30 Nov 2021	15	15.43	81.44	8.3	33.47	8.0	24.7	3.39
A6	30 Nov 2021	16	15.40	82.16	8.2	33.47	7.9	24.7	3.28
A6	30 Nov 2021	17	15.38	82.81	8.2	33.46	7.9	24.7	3.10
A6	30 Nov 2021	18	15.36	83.29	8.1	33.46	7.9	24.7	2.76
A6	30 Nov 2021	19	15.33	83.60	8.0	33.47	7.9	24.7	2.66
A7	02 Nov 2021	1	17.71	79.50	7.8	33.55	8.1	24.2	1.69
A7	02 Nov 2021	2	17.70	82.76	7.8	33.55	8.1	24.2	1.76
A7	02 Nov 2021	3	17.69	82.98	7.8	33.55	8.1	24.2	1.88
A7	02 Nov 2021	4	17.64	81.82	7.8	33.56	8.1	24.3	1.82
A7	02 Nov 2021	5	17.39	82.52	7.8	33.59	8.1	24.3	1.88
A7	02 Nov 2021	6	17.30	83.51	7.7	33.54	8.1	24.3	1.93
A7	02 Nov 2021	7	17.32	83.75	7.8	33.53	8.1	24.3	2.02
A7	02 Nov 2021	8	17.24	84.60	7.7	33.54	8.1	24.3	2.14
A7	02 Nov 2021	9	17.04	85.33	7.7	33.54	8.1	24.4	2.17
A7	02 Nov 2021	10	16.84	85.22	7.7	33.54	8.0	24.4	1.96
A7	02 Nov 2021	11	15.83	85.40	7.6	33.65	8.0	24.7	1.80
A7	02 Nov 2021	12	15.56	85.44	7.5	33.51	8.0	24.7	1.89
A7	02 Nov 2021	13	15.53	85.47	7.6	33.48	8.0	24.7	1.51
A7	02 Nov 2021	14	15.41	85.30	7.4	33.49	8.0	24.7	1.50
A7	02 Nov 2021	15	15.34	85.11	7.4	33.48	8.0	24.7	1.50
A7	02 Nov 2021	16	15.24	85.07	7.4	33.49	8.0	24.8	1.57
A7	02 Nov 2021	17	15.05	85.10	7.2	33.48	8.0	24.8	1.57
A7	02 Nov 2021	18	15.01	85.11	7.2	33.48	8.0	24.8	1.59
A7	02 Nov 2021	19	14.84	85.28	7.1	33.50	7.9	24.8	1.39
A7	02 Nov 2021	20	14.40	85.31	7.0	33.51	7.9	24.9	1.41
A7	08 Nov 2021	1	17.53	82.94	7.9	33.54	8.0	24.3	1.50
A7	08 Nov 2021	2	17.52	82.99	7.9	33.53	8.0	24.3	1.57
A7	08 Nov 2021	3	17.47	82.76	7.8	33.54	8.0	24.3	1.58
A7	08 Nov 2021	4	17.21	82.97	7.7	33.56	8.0	24.4	1.67
A7	08 Nov 2021	5	16.78	83.07	7.4	33.56	8.0	24.5	1.68
A7	08 Nov 2021	6	16.03	83.42	7.0	33.59	7.9	24.7	1.57
A7	08 Nov 2021	7	15.16	83.90	6.8	33.54	7.9	24.8	1.34
A7	08 Nov 2021	8	14.64	83.97	6.8	33.51	7.9	24.9	1.14
A7	08 Nov 2021	9	14.29	83.76	6.8	33.47	7.8	24.9	0.97
A7	08 Nov 2021	10	13.92	84.43	7.0	33.45	7.8	25.0	0.90
A7	08 Nov 2021	11	13.80	85.17	7.1	33.40	7.8	25.0	0.98
A7	08 Nov 2021	12	13.77	86.00	7.0	33.40	7.8	25.0	0.97
A7	08 Nov 2021	13	13.67	86.18	6.9	33.44	7.8	25.0	1.01
A7	08 Nov 2021	14	13.48	85.47	6.8	33.41	7.8	25.1	1.00
A7	08 Nov 2021	15	13.25	85.06	6.8	33.45	7.8	25.1	0.94
A7	08 Nov 2021	16	13.11	81.89	6.8	33.41	7.8	25.1	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A7	08 Nov 2021	17	13.09	84.19	6.8	33.41	7.8	25.1	0.88
A7	08 Nov 2021	18	13.07	84.54	6.7	33.41	7.8	25.1	0.92
A7	08 Nov 2021	19	13.07	83.75	6.7	33.41	7.8	25.1	0.92
A7	16 Nov 2021	1	17.23	84.97	8.2	33.51	8.0	24.3	1.05
A7	16 Nov 2021	2	17.25	85.10	8.2	33.51	8.0	24.3	1.05
A7	16 Nov 2021	3	17.23	85.06	8.2	33.52	8.0	24.3	1.06
A7	16 Nov 2021	4	17.19	85.02	8.1	33.52	8.0	24.3	1.14
A7	16 Nov 2021	5	17.16	84.94	8.1	33.51	8.0	24.3	1.14
A7	16 Nov 2021	6	17.15	84.84	8.1	33.51	8.0	24.3	1.22
A7	16 Nov 2021	7	17.15	84.78	8.1	33.51	8.0	24.3	1.20
A7	16 Nov 2021	8	17.11	84.75	8.1	33.52	8.0	24.3	1.23
A7	16 Nov 2021	9	17.07	84.60	8.0	33.51	8.0	24.4	1.26
A7	16 Nov 2021	10	17.04	84.41	8.0	33.51	8.0	24.4	1.39
A7	16 Nov 2021	11	17.01	84.09	8.0	33.51	8.0	24.4	1.34
A7	16 Nov 2021	12	17.00	84.19	8.0	33.51	8.0	24.4	1.41
A7	16 Nov 2021	13	16.98	84.11	7.9	33.51	8.0	24.4	1.53
A7	16 Nov 2021	14	16.86	84.12	7.9	33.52	8.0	24.4	1.46
A7	16 Nov 2021	15	16.31	84.06	7.8	33.54	8.0	24.6	1.51
A7	16 Nov 2021	16	16.03	83.94	7.6	33.50	8.0	24.6	1.61
A7	16 Nov 2021	17	15.63	83.58	7.5	33.50	7.9	24.7	1.68
A7	16 Nov 2021	18	15.27	83.42	7.3	33.50	7.9	24.8	1.73
A7	16 Nov 2021	19	14.76	83.77	7.1	33.49	7.9	24.9	1.75
A7	22 Nov 2021	1	16.41	79.67	8.3	33.49	8.0	24.5	3.36
A7	22 Nov 2021	2	16.41	79.42	8.3	33.49	8.0	24.5	3.47
A7	22 Nov 2021	3	16.39	79.44	8.3	33.49	8.0	24.5	3.53
A7	22 Nov 2021	4	16.36	79.53	8.3	33.49	8.0	24.5	3.84
A7	22 Nov 2021	5	16.31	79.79	8.2	33.49	8.0	24.5	4.08
A7	22 Nov 2021	6	16.29	79.93	8.2	33.49	8.0	24.5	4.17
A7	22 Nov 2021	7	16.06	80.30	8.1	33.53	8.0	24.6	4.11
A7	22 Nov 2021	8	15.48	81.98	7.7	33.54	8.0	24.7	3.96
A7	22 Nov 2021	9	15.18	83.62	7.4	33.50	7.9	24.8	3.52
A7	22 Nov 2021	10	15.07	84.00	7.3	33.47	7.9	24.8	2.78
A7	22 Nov 2021	11	14.99	84.64	7.2	33.46	7.9	24.8	2.31
A7	22 Nov 2021	12	14.85	84.75	7.1	33.48	7.9	24.8	1.93
A7	22 Nov 2021	13	14.69	84.95	7.0	33.46	7.9	24.9	1.76
A7	22 Nov 2021	14	14.54	85.15	6.8	33.48	7.9	24.9	1.61
A7	22 Nov 2021	15	14.28	85.34	6.7	33.48	7.9	25.0	1.46
A7	22 Nov 2021	16	14.06	85.69	6.7	33.48	7.9	25.0	1.33
A7	22 Nov 2021	17	13.89	85.96	6.7	33.46	7.8	25.0	1.24
A7	22 Nov 2021	18	13.83	86.00	6.6	33.45	7.8	25.0	1.11
A7	22 Nov 2021	19	13.71	86.12	6.5	33.44	7.8	25.0	1.08
A7	22 Nov 2021	20	13.68	86.13	6.5	33.44	7.8	25.0	1.07
A7	30 Nov 2021	1	15.90	73.53	8.1	33.49	7.9	24.6	6.88
A7	30 Nov 2021	2	15.81	72.99	8.1	33.52	7.9	24.7	7.06
A7	30 Nov 2021	3	15.51	73.96	8.2	33.51	7.9	24.7	7.27
A7	30 Nov 2021	4	15.44	78.25	8.2	33.47	7.9	24.7	6.89
A7	30 Nov 2021	5	15.44	79.68	8.2	33.47	7.9	24.7	5.81
A7	30 Nov 2021	6	15.44	80.39	8.2	33.47	7.9	24.7	4.88
A7	30 Nov 2021	7	15.44	80.61	8.2	33.47	7.9	24.7	4.22
A7	30 Nov 2021	8	15.44	80.67	8.2	33.47	7.9	24.7	3.96
A7	30 Nov 2021	9	15.43	80.76	8.2	33.47	7.9	24.7	3.67
A7	30 Nov 2021	10	15.43	80.81	8.2	33.46	7.9	24.7	3.31
A7	30 Nov 2021	11	15.43	80.62	8.1	33.46	7.9	24.7	3.29
A7	30 Nov 2021	12	15.43	80.80	8.2	33.47	7.9	24.7	3.28
A7	30 Nov 2021	13	15.41	80.86	8.1	33.47	7.9	24.7	3.33
A7	30 Nov 2021	14	15.34	81.42	8.0	33.47	7.9	24.7	3.10
A7	30 Nov 2021	15	15.26	82.22	7.9	33.47	7.9	24.7	3.52
A7	30 Nov 2021	16	15.21	82.98	7.8	33.46	7.9	24.7	3.04

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A7	30 Nov 2021	17	15.16	83.52	7.8	33.47	7.9	24.8	2.46
A7	30 Nov 2021	18	15.07	83.71	7.7	33.46	7.9	24.8	2.36
C4	02 Nov 2021	1	18.14	73.71	7.2	33.57	8.0	24.1	0.94
C4	02 Nov 2021	2	18.14	76.12	7.3	33.57	8.0	24.1	0.96
C4	02 Nov 2021	3	17.97	78.04	7.2	33.59	8.0	24.2	0.99
C4	02 Nov 2021	4	16.48	80.64	7.1	33.71	8.0	24.6	1.04
C4	02 Nov 2021	5	15.56	84.07	6.9	33.53	8.0	24.7	1.23
C4	02 Nov 2021	6	15.33	84.41	6.7	33.50	7.9	24.7	1.28
C4	02 Nov 2021	7	15.25	84.08	6.4	33.48	7.9	24.7	1.22
C4	02 Nov 2021	8	15.05	82.32	6.0	33.50	7.9	24.8	1.14
C4	02 Nov 2021	9	14.98	80.12	5.9	33.47	7.9	24.8	0.97
C4	02 Nov 2021	10	14.91	78.73	6.0	33.47	7.9	24.8	0.88
C4	02 Nov 2021	11	14.88	78.45	6.2	33.47	7.9	24.8	0.78
C4	02 Nov 2021	12	14.88	78.45	6.3	33.47	7.9	24.8	0.75
C4	08 Nov 2021	1	17.31	83.26	7.6	33.54	8.0	24.3	1.17
C4	08 Nov 2021	2	17.29	83.23	7.6	33.54	8.0	24.3	1.15
C4	08 Nov 2021	3	17.24	83.14	7.6	33.54	8.0	24.3	1.17
C4	08 Nov 2021	4	17.18	83.09	7.4	33.55	8.0	24.4	1.21
C4	08 Nov 2021	5	16.60	82.95	7.2	33.64	8.0	24.6	1.29
C4	08 Nov 2021	6	15.78	83.33	7.1	33.59	7.9	24.7	1.36
C4	08 Nov 2021	7	15.18	83.81	6.9	33.57	7.9	24.8	1.29
C4	08 Nov 2021	8	14.75	84.27	6.8	33.51	7.9	24.9	1.15
C4	08 Nov 2021	9	14.51	83.86	6.5	33.50	7.8	24.9	1.04
C4	08 Nov 2021	10	14.42	81.06	6.3	33.46	7.8	24.9	0.94
C4	08 Nov 2021	11	14.42	78.12	6.2	33.45	7.8	24.9	0.83
C4	08 Nov 2021	12	14.42	73.99	6.2	33.46	7.8	24.9	0.72
C4	16 Nov 2021	1	17.31	82.22	8.1	33.51	8.0	24.3	1.19
C4	16 Nov 2021	2	17.36	81.79	8.2	33.51	8.0	24.3	1.23
C4	16 Nov 2021	3	17.28	81.33	8.2	33.52	8.0	24.3	1.28
C4	16 Nov 2021	4	16.75	81.37	8.0	33.59	8.0	24.5	1.36
C4	16 Nov 2021	5	15.89	79.29	7.9	33.52	8.0	24.6	1.99
C4	16 Nov 2021	6	15.57	78.49	7.6	33.49	7.9	24.7	2.55
C4	16 Nov 2021	7	15.37	78.37	7.4	33.48	7.9	24.7	2.48
C4	16 Nov 2021	8	15.22	78.42	7.1	33.48	7.9	24.7	2.21
C4	16 Nov 2021	9	15.04	79.34	6.7	33.47	7.8	24.8	1.99
C4	16 Nov 2021	10	14.80	79.98	6.3	33.47	7.8	24.8	1.62
C4	16 Nov 2021	11	14.70	79.98	6.0	33.46	7.8	24.8	1.25
C4	22 Nov 2021	1	15.97	79.29	7.7	33.49	8.0	24.6	1.73
C4	22 Nov 2021	2	15.97	79.29	7.7	33.49	8.0	24.6	1.78
C4	22 Nov 2021	3	15.95	79.14	7.7	33.49	8.0	24.6	1.73
C4	22 Nov 2021	4	15.93	78.76	7.6	33.49	8.0	24.6	2.06
C4	22 Nov 2021	5	15.90	77.48	7.5	33.50	8.0	24.6	1.97
C4	22 Nov 2021	6	15.83	74.76	7.4	33.50	8.0	24.6	1.88
C4	22 Nov 2021	7	15.79	76.53	6.9	33.50	8.0	24.6	2.07
C4	22 Nov 2021	8	15.72	77.07	7.0	33.56	8.0	24.7	2.08
C4	22 Nov 2021	9	15.35	81.24	7.2	33.57	7.9	24.8	2.41
C4	22 Nov 2021	10	15.05	79.87	7.0	33.60	7.9	24.9	2.58
C4	22 Nov 2021	11	14.74	81.58	6.4	33.50	7.8	24.9	2.57
C4	22 Nov 2021	12	14.74	82.07	6.1	33.49	7.8	24.9	2.22
C4	30 Nov 2021	1	15.83	75.75	7.7	33.49	7.9	24.6	1.41
C4	30 Nov 2021	2	15.83	72.55	7.7	33.49	7.9	24.6	1.43
C4	30 Nov 2021	3	15.80	74.95	7.8	33.50	7.9	24.6	1.45
C4	30 Nov 2021	4	15.77	76.43	7.9	33.49	7.9	24.6	1.62
C4	30 Nov 2021	5	15.75	77.04	8.1	33.49	7.9	24.6	2.01
C4	30 Nov 2021	6	15.74	77.02	8.1	33.48	8.0	24.6	2.45
C4	30 Nov 2021	7	15.74	76.96	8.0	33.49	7.9	24.6	3.01

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C4	30 Nov 2021	8	15.69	77.62	7.8	33.49	7.9	24.7	3.37
C4	30 Nov 2021	9	15.63	78.87	7.6	33.49	7.9	24.7	3.25
C4	30 Nov 2021	10	15.55	80.92	7.3	33.49	7.9	24.7	3.04
C4	30 Nov 2021	11	15.51	81.33	7.1	33.48	7.9	24.7	2.34
C5	02 Nov 2021	1	17.95	80.66	7.8	33.57	8.1	24.2	1.46
C5	02 Nov 2021	2	17.95	80.67	7.7	33.57	8.1	24.2	1.44
C5	02 Nov 2021	3	17.93	80.84	7.7	33.57	8.1	24.2	1.48
C5	02 Nov 2021	4	17.80	80.92	7.6	33.58	8.1	24.2	1.55
C5	02 Nov 2021	5	16.77	81.47	7.4	33.66	8.1	24.5	1.60
C5	02 Nov 2021	6	15.87	83.58	7.3	33.54	8.0	24.7	1.71
C5	02 Nov 2021	7	15.73	84.74	7.1	33.49	8.0	24.6	1.65
C5	02 Nov 2021	8	15.55	84.78	6.7	33.50	8.0	24.7	1.54
C5	02 Nov 2021	9	15.06	79.73	6.5	33.51	7.9	24.8	1.33
C5	02 Nov 2021	10	14.97	79.36	6.5	33.46	7.9	24.8	1.01
C5	08 Nov 2021	1	17.49	80.33	7.7	33.54	8.0	24.3	1.67
C5	08 Nov 2021	2	17.47	80.99	7.7	33.55	8.0	24.3	1.67
C5	08 Nov 2021	3	17.47	80.85	7.7	33.54	8.0	24.3	1.72
C5	08 Nov 2021	4	17.43	80.96	7.7	33.55	8.0	24.3	1.81
C5	08 Nov 2021	5	17.31	80.90	7.5	33.57	8.0	24.3	1.89
C5	08 Nov 2021	6	17.09	81.17	7.2	33.57	8.0	24.4	1.94
C5	08 Nov 2021	7	16.79	81.55	7.0	33.58	7.9	24.5	1.94
C5	08 Nov 2021	8	16.56	80.12	6.7	33.57	7.9	24.5	1.70
C5	08 Nov 2021	9	15.96	78.03	6.5	33.64	7.9	24.7	1.49
C5	08 Nov 2021	10	15.35	73.33	6.2	33.58	7.8	24.8	1.17
C5	08 Nov 2021	11	15.12	55.61	6.1	33.54	7.8	24.8	1.01
C5	16 Nov 2021	1	17.38	79.79	8.1	33.51	8.0	24.3	0.96
C5	16 Nov 2021	2	17.46	81.07	8.1	33.51	8.0	24.3	0.94
C5	16 Nov 2021	3	17.46	81.60	8.1	33.52	8.0	24.3	0.98
C5	16 Nov 2021	4	17.19	81.95	7.8	33.58	8.0	24.4	1.00
C5	16 Nov 2021	5	15.88	82.40	7.4	33.63	8.0	24.7	1.00
C5	16 Nov 2021	6	15.03	83.11	7.0	33.53	7.9	24.8	0.99
C5	16 Nov 2021	7	14.61	83.56	7.0	33.50	7.9	24.9	1.05
C5	16 Nov 2021	8	14.44	83.55	6.9	33.46	7.9	24.9	1.17
C5	16 Nov 2021	9	14.40	83.09	6.9	33.45	7.9	24.9	1.20
C5	16 Nov 2021	10	14.40	82.78	6.9	33.44	7.9	24.9	1.13
C5	16 Nov 2021	11	14.40	82.75	6.9	33.45	7.9	24.9	1.24
C5	22 Nov 2021	1	16.56	80.76	7.9	33.51	8.0	24.5	1.44
C5	22 Nov 2021	2	16.56	80.63	7.9	33.51	8.0	24.5	1.48
C5	22 Nov 2021	3	16.55	80.55	7.9	33.51	8.0	24.5	1.54
C5	22 Nov 2021	4	16.54	80.48	7.9	33.51	8.0	24.5	1.61
C5	22 Nov 2021	5	16.53	80.38	7.9	33.51	8.0	24.5	1.81
C5	22 Nov 2021	6	16.47	80.68	7.8	33.51	8.0	24.5	1.98
C5	22 Nov 2021	7	16.37	81.54	7.7	33.51	8.0	24.5	2.06
C5	22 Nov 2021	8	16.10	81.96	7.4	33.54	8.0	24.6	2.05
C5	22 Nov 2021	9	15.83	82.66	7.1	33.52	8.0	24.6	1.86
C5	22 Nov 2021	10	15.45	83.21	6.7	33.53	7.9	24.7	1.53
C5	30 Nov 2021	1	16.19	73.88	7.2	33.52	7.9	24.6	0.85
C5	30 Nov 2021	2	16.14	73.34	7.1	33.53	7.9	24.6	0.85
C5	30 Nov 2021	3	16.01	73.39	6.8	33.53	7.9	24.6	0.87
C5	30 Nov 2021	4	15.75	73.97	6.7	33.54	7.9	24.7	0.87
C5	30 Nov 2021	5	15.53	77.65	6.7	33.51	7.9	24.7	0.85
C5	30 Nov 2021	6	15.43	80.15	6.8	33.49	7.9	24.7	0.87
C5	30 Nov 2021	7	15.36	80.97	6.8	33.48	7.9	24.7	0.86
C5	30 Nov 2021	8	15.32	81.86	6.7	33.47	7.9	24.7	0.84
C5	30 Nov 2021	9	15.30	82.61	6.8	33.47	7.9	24.7	0.77
C5	30 Nov 2021	10	15.29	82.94	6.9	33.46	7.9	24.7	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C5	30 Nov 2021	11	15.29	82.16	6.8	33.46	7.9	24.7	0.66
C6	02 Nov 2021	1	18.01	74.96	7.5	33.56	8.1	24.2	1.23
C6	02 Nov 2021	2	17.87	74.30	7.4	33.60	8.1	24.2	1.26
C6	02 Nov 2021	3	16.86	77.01	7.4	33.65	8.1	24.5	1.28
C6	02 Nov 2021	4	16.41	80.24	7.4	33.56	8.0	24.5	1.49
C6	02 Nov 2021	5	16.21	82.67	7.3	33.53	8.0	24.6	1.96
C6	02 Nov 2021	6	15.88	84.34	7.2	33.52	8.0	24.6	1.99
C6	02 Nov 2021	7	15.77	84.98	7.1	33.49	8.0	24.6	1.84
C6	02 Nov 2021	8	15.60	85.29	7.0	33.51	8.0	24.7	1.55
C6	02 Nov 2021	9	15.17	83.02	6.8	33.51	7.9	24.8	1.39
C6	02 Nov 2021	10	14.93	80.01	6.6	33.49	7.9	24.8	1.20
C6	08 Nov 2021	1	17.55	79.30	8.1	33.55	8.0	24.3	1.62
C6	08 Nov 2021	2	17.55	79.09	8.1	33.55	8.0	24.3	1.68
C6	08 Nov 2021	3	17.55	79.03	8.1	33.55	8.0	24.3	1.79
C6	08 Nov 2021	4	17.48	78.91	8.0	33.56	8.0	24.3	1.82
C6	08 Nov 2021	5	17.24	78.96	7.6	33.57	8.0	24.4	2.02
C6	08 Nov 2021	6	16.96	78.35	7.2	33.57	7.9	24.4	1.97
C6	08 Nov 2021	7	16.70	77.78	7.0	33.56	7.9	24.5	1.73
C6	08 Nov 2021	8	16.56	77.75	7.0	33.54	7.9	24.5	1.40
C6	08 Nov 2021	9	16.43	78.38	6.9	33.54	7.9	24.5	1.20
C6	08 Nov 2021	10	15.70	79.11	6.7	33.61	7.9	24.7	1.01
C6	16 Nov 2021	1	17.32	79.69	8.2	33.52	8.0	24.3	1.02
C6	16 Nov 2021	2	17.31	79.62	8.2	33.52	8.0	24.3	1.06
C6	16 Nov 2021	3	17.27	79.77	8.1	33.52	8.0	24.3	1.07
C6	16 Nov 2021	4	17.11	79.84	8.0	33.55	8.0	24.4	1.07
C6	16 Nov 2021	5	16.36	79.80	7.8	33.56	8.0	24.6	1.07
C6	16 Nov 2021	6	15.98	82.05	7.6	33.52	8.0	24.6	1.20
C6	16 Nov 2021	7	15.37	83.03	7.2	33.54	7.9	24.8	1.31
C6	16 Nov 2021	8	14.70	83.99	6.9	33.51	7.9	24.9	1.17
C6	16 Nov 2021	9	14.25	83.79	6.6	33.51	7.8	25.0	0.90
C6	22 Nov 2021	1	16.53	79.54	8.2	33.49	8.0	24.5	2.43
C6	22 Nov 2021	2	16.53	79.69	8.2	33.50	8.0	24.5	2.58
C6	22 Nov 2021	3	16.52	79.47	8.2	33.50	8.0	24.5	2.53
C6	22 Nov 2021	4	16.50	79.51	8.1	33.50	8.0	24.5	2.74
C6	22 Nov 2021	5	16.46	80.45	8.0	33.50	8.0	24.5	3.03
C6	22 Nov 2021	6	16.43	81.16	8.0	33.50	8.0	24.5	2.89
C6	22 Nov 2021	7	16.38	82.02	7.8	33.50	8.0	24.5	2.49
C6	22 Nov 2021	8	15.87	83.07	7.4	33.59	8.0	24.7	2.18
C6	22 Nov 2021	9	14.99	83.04	6.8	33.59	7.9	24.9	1.70
C6	22 Nov 2021	10	14.48	83.31	6.1	33.54	7.8	25.0	1.52
C6	30 Nov 2021	1	16.28	76.87	7.8	33.52	8.0	24.5	2.28
C6	30 Nov 2021	2	16.10	76.85	7.8	33.52	8.0	24.6	2.33
C6	30 Nov 2021	3	15.96	77.61	7.6	33.53	7.9	24.6	2.49
C6	30 Nov 2021	4	15.76	78.05	7.6	33.51	7.9	24.7	2.69
C6	30 Nov 2021	5	15.66	79.62	7.7	33.50	7.9	24.7	2.69
C6	30 Nov 2021	6	15.44	81.85	7.7	33.49	7.9	24.7	2.30
C6	30 Nov 2021	7	15.42	82.96	7.5	33.47	7.9	24.7	1.98
C6	30 Nov 2021	8	15.34	83.75	7.1	33.48	7.9	24.7	1.56
C6	30 Nov 2021	9	15.31	83.49	6.8	33.47	7.8	24.7	1.17
C7	02 Nov 2021	1	17.83	82.16	7.8	33.55	8.1	24.2	2.17
C7	02 Nov 2021	2	17.81	82.15	7.7	33.55	8.1	24.2	2.09
C7	02 Nov 2021	3	17.40	82.39	7.5	33.60	8.1	24.3	2.14
C7	02 Nov 2021	4	16.45	83.13	7.4	33.59	8.0	24.6	2.17
C7	02 Nov 2021	5	16.26	83.64	7.4	33.53	8.0	24.6	2.21
C7	02 Nov 2021	6	16.09	85.21	7.5	33.51	8.0	24.6	2.32



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C7	02 Nov 2021	7	16.02	85.27	7.5	33.49	8.0	24.6	2.08
C7	02 Nov 2021	8	15.93	85.12	7.4	33.49	8.0	24.6	1.96
C7	02 Nov 2021	9	15.86	85.07	7.4	33.49	8.0	24.6	1.74
C7	02 Nov 2021	10	15.82	84.97	7.4	33.48	8.0	24.6	1.76
C7	02 Nov 2021	11	15.79	85.14	7.4	33.48	8.0	24.6	1.85
C7	02 Nov 2021	12	15.79	84.99	7.3	33.48	8.0	24.6	1.68
C7	02 Nov 2021	13	15.74	84.87	7.3	33.49	8.0	24.6	1.75
C7	02 Nov 2021	14	15.67	84.84	7.2	33.49	8.0	24.7	1.63
C7	02 Nov 2021	15	15.57	85.08	7.1	33.51	8.0	24.7	1.64
C7	02 Nov 2021	16	15.31	85.22	7.0	33.50	8.0	24.7	1.67
C7	02 Nov 2021	17	14.92	85.41	6.9	33.58	8.0	24.9	1.62
C7	02 Nov 2021	18	13.76	84.52	6.7	33.57	7.9	25.1	1.61
C7	02 Nov 2021	19	13.68	83.56	6.6	33.52	7.9	25.1	1.56
C7	08 Nov 2021	1	17.59	82.29	8.1	33.54	8.0	24.3	1.24
C7	08 Nov 2021	2	17.60	82.91	8.0	33.54	8.0	24.2	1.26
C7	08 Nov 2021	3	17.60	82.99	8.0	33.54	8.0	24.2	1.32
C7	08 Nov 2021	4	17.58	82.81	8.0	33.54	8.0	24.3	1.45
C7	08 Nov 2021	5	17.56	82.88	8.0	33.54	8.0	24.3	1.48
C7	08 Nov 2021	6	17.54	83.06	8.0	33.53	8.0	24.3	1.55
C7	08 Nov 2021	7	17.48	82.98	8.0	33.54	8.0	24.3	1.59
C7	08 Nov 2021	8	17.41	82.97	7.9	33.54	8.0	24.3	1.66
C7	08 Nov 2021	9	17.19	82.83	7.8	33.54	8.0	24.4	1.61
C7	08 Nov 2021	10	16.91	82.63	7.5	33.56	8.0	24.4	1.61
C7	08 Nov 2021	11	16.31	82.49	7.2	33.55	8.0	24.6	1.55
C7	08 Nov 2021	12	16.02	82.94	7.0	33.54	7.9	24.6	1.46
C7	08 Nov 2021	13	15.63	83.06	6.7	33.53	7.9	24.7	1.32
C7	08 Nov 2021	14	15.22	83.43	6.5	33.53	7.9	24.8	1.06
C7	08 Nov 2021	15	14.81	83.47	6.5	33.51	7.9	24.9	0.92
C7	08 Nov 2021	16	14.49	83.81	6.7	33.49	7.9	24.9	0.89
C7	08 Nov 2021	17	14.29	84.31	6.8	33.46	7.9	24.9	0.93
C7	08 Nov 2021	18	14.27	84.44	6.7	33.45	7.8	24.9	0.95
C7	08 Nov 2021	19	14.27	84.28	6.7	33.45	7.8	24.9	0.97
C7	16 Nov 2021	1	17.38	81.86	8.2	33.52	8.0	24.3	1.33
C7	16 Nov 2021	2	17.38	82.94	8.2	33.52	8.0	24.3	1.34
C7	16 Nov 2021	3	17.38	83.60	8.2	33.52	8.0	24.3	1.36
C7	16 Nov 2021	4	17.38	83.61	8.2	33.52	8.0	24.3	1.39
C7	16 Nov 2021	5	17.38	83.67	8.2	33.52	8.0	24.3	1.49
C7	16 Nov 2021	6	17.38	83.64	8.2	33.52	8.0	24.3	1.47
C7	16 Nov 2021	7	17.36	83.65	8.2	33.52	8.0	24.3	1.50
C7	16 Nov 2021	8	17.35	83.58	8.2	33.52	8.0	24.3	1.52
C7	16 Nov 2021	9	17.31	83.55	8.2	33.52	8.0	24.3	1.54
C7	16 Nov 2021	10	17.31	83.40	8.2	33.52	8.0	24.3	1.56
C7	16 Nov 2021	11	17.26	83.36	8.2	33.52	8.0	24.3	1.63
C7	16 Nov 2021	12	17.01	83.23	8.2	33.54	8.0	24.4	1.68
C7	16 Nov 2021	13	16.68	83.23	8.0	33.53	8.0	24.5	1.72
C7	16 Nov 2021	14	15.93	83.24	7.7	33.56	8.0	24.7	1.79
C7	16 Nov 2021	15	15.57	83.90	7.3	33.51	7.9	24.7	1.67
C7	16 Nov 2021	16	14.96	84.46	6.9	33.52	7.9	24.8	1.53
C7	16 Nov 2021	17	14.57	84.65	6.6	33.51	7.8	24.9	1.28
C7	16 Nov 2021	18	13.77	84.49	6.5	33.51	7.8	25.1	1.06
C7	22 Nov 2021	1	16.90	84.84	8.3	33.51	8.1	24.4	1.20
C7	22 Nov 2021	2	16.90	84.79	8.3	33.52	8.1	24.4	1.25
C7	22 Nov 2021	3	16.90	84.74	8.3	33.52	8.1	24.4	1.26
C7	22 Nov 2021	4	16.88	84.51	8.3	33.52	8.1	24.4	1.27
C7	22 Nov 2021	5	16.78	84.34	8.3	33.53	8.1	24.4	1.26
C7	22 Nov 2021	6	16.70	83.65	8.3	33.52	8.1	24.4	1.29
C7	22 Nov 2021	7	16.68	83.41	8.2	33.51	8.1	24.4	1.47
C7	22 Nov 2021	8	16.62	83.21	8.2	33.52	8.1	24.5	1.65

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C7	22 Nov 2021	9	16.54	83.06	8.2	33.51	8.0	24.5	1.89
C7	22 Nov 2021	10	16.51	82.85	8.1	33.51	8.0	24.5	2.12
C7	22 Nov 2021	11	16.07	82.74	7.9	33.64	8.0	24.7	2.22
C7	22 Nov 2021	12	14.82	83.55	7.5	33.64	8.0	25.0	2.32
C7	22 Nov 2021	13	14.57	84.49	7.0	33.51	7.9	24.9	2.19
C7	22 Nov 2021	14	14.36	85.29	6.9	33.49	7.9	24.9	1.87
C7	22 Nov 2021	15	14.18	85.62	6.8	33.47	7.9	25.0	1.46
C7	22 Nov 2021	16	14.12	85.81	6.7	33.46	7.9	25.0	1.23
C7	22 Nov 2021	17	14.02	85.91	6.7	33.46	7.9	25.0	1.14
C7	22 Nov 2021	18	13.98	86.06	6.6	33.46	7.9	25.0	0.97
C7	30 Nov 2021	1	16.57	82.09	7.8	33.37	8.0	24.4	1.79
C7	30 Nov 2021	2	16.58	82.32	7.7	33.52	8.0	24.5	1.89
C7	30 Nov 2021	3	16.56	82.55	7.8	33.52	8.0	24.5	1.92
C7	30 Nov 2021	4	16.53	82.51	7.8	33.52	8.0	24.5	1.94
C7	30 Nov 2021	5	16.49	81.76	7.8	33.53	8.0	24.5	1.93
C7	30 Nov 2021	6	16.30	81.35	8.1	33.53	8.0	24.5	2.15
C7	30 Nov 2021	7	16.28	80.93	8.3	33.52	8.0	24.5	2.27
C7	30 Nov 2021	8	16.07	80.22	8.3	33.53	8.0	24.6	2.65
C7	30 Nov 2021	9	15.98	80.71	8.3	33.50	8.0	24.6	2.86
C7	30 Nov 2021	10	15.97	81.16	8.3	33.50	8.0	24.6	3.05
C7	30 Nov 2021	11	15.93	81.60	8.1	33.50	8.0	24.6	3.20
C7	30 Nov 2021	12	15.84	82.48	7.9	33.50	8.0	24.6	3.05
C7	30 Nov 2021	13	15.69	83.74	7.8	33.51	7.9	24.7	2.81
C7	30 Nov 2021	14	15.53	84.44	7.5	33.50	7.9	24.7	2.31
C7	30 Nov 2021	15	15.40	84.84	7.2	33.48	7.9	24.7	1.89
C7	30 Nov 2021	16	15.31	84.83	7.0	33.49	7.9	24.7	1.58
C7	30 Nov 2021	17	14.92	84.75	6.7	33.51	7.8	24.8	1.50
C7	30 Nov 2021	18	14.79	84.34	6.4	33.47	7.8	24.8	1.31
C8	02 Nov 2021	1	17.62	77.24	7.5	33.54	8.0	24.2	2.97
C8	02 Nov 2021	2	17.62	77.09	7.5	33.54	8.0	24.2	3.00
C8	02 Nov 2021	3	17.52	77.04	7.5	33.56	8.0	24.3	3.16
C8	02 Nov 2021	4	16.82	77.88	7.3	33.66	8.0	24.5	3.20
C8	02 Nov 2021	5	15.98	81.47	7.2	33.62	8.0	24.7	3.21
C8	02 Nov 2021	6	15.44	84.15	7.2	33.54	8.0	24.8	3.21
C8	02 Nov 2021	7	15.32	84.71	7.2	33.50	8.0	24.7	2.82
C8	02 Nov 2021	8	15.20	85.13	7.2	33.50	8.0	24.8	2.37
C8	02 Nov 2021	9	14.96	85.21	7.1	33.52	8.0	24.8	2.11
C8	02 Nov 2021	10	14.81	85.28	7.0	33.49	8.0	24.8	2.02
C8	02 Nov 2021	11	14.76	85.26	7.0	33.48	7.9	24.9	1.80
C8	02 Nov 2021	12	14.77	85.48	7.0	33.47	7.9	24.8	1.67
C8	02 Nov 2021	13	14.72	85.29	6.9	33.48	7.9	24.9	1.57
C8	02 Nov 2021	14	14.67	85.06	6.9	33.48	7.9	24.9	1.56
C8	02 Nov 2021	15	14.67	85.33	6.9	33.48	7.9	24.9	1.52
C8	02 Nov 2021	16	14.42	85.19	6.8	33.51	7.9	24.9	1.52
C8	02 Nov 2021	17	14.27	85.12	6.7	33.48	7.9	25.0	1.44
C8	02 Nov 2021	18	14.04	84.71	6.6	33.53	7.9	25.0	1.34
C8	02 Nov 2021	19	13.70	83.46	6.5	33.51	7.9	25.1	1.36
C8	02 Nov 2021	20	13.63	81.17	6.5	33.48	7.9	25.1	1.22
C8	08 Nov 2021	1	17.63	81.72	8.0	33.54	8.0	24.2	1.47
C8	08 Nov 2021	2	17.62	81.74	8.0	33.54	8.0	24.2	1.50
C8	08 Nov 2021	3	17.59	81.57	8.0	33.54	8.0	24.3	1.59
C8	08 Nov 2021	4	17.57	81.17	7.9	33.54	8.0	24.3	1.64
C8	08 Nov 2021	5	17.55	80.89	7.9	33.54	8.0	24.3	1.78
C8	08 Nov 2021	6	17.54	80.53	7.9	33.54	8.0	24.3	1.85
C8	08 Nov 2021	7	17.50	80.49	7.9	33.54	8.0	24.3	1.95
C8	08 Nov 2021	8	17.43	80.26	7.8	33.54	8.0	24.3	1.90
C8	08 Nov 2021	9	17.30	80.15	7.7	33.55	8.0	24.3	2.05
C8	08 Nov 2021	10	17.18	80.53	7.6	33.55	8.0	24.4	2.11

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C8	08 Nov 2021	11	16.88	80.69	7.5	33.55	8.0	24.4	1.99
C8	08 Nov 2021	12	16.70	80.60	7.2	33.54	8.0	24.5	1.93
C8	08 Nov 2021	13	16.32	80.46	7.0	33.61	7.9	24.6	1.92
C8	08 Nov 2021	14	15.22	81.33	6.9	33.65	7.9	24.9	1.51
C8	08 Nov 2021	15	14.71	82.30	6.8	33.55	7.9	24.9	1.34
C8	08 Nov 2021	16	14.29	83.05	6.7	33.52	7.9	25.0	1.22
C8	08 Nov 2021	17	14.22	81.64	6.6	33.47	7.8	25.0	1.13
C8	08 Nov 2021	18	14.23	78.40	6.6	33.46	7.8	25.0	1.05
C8	08 Nov 2021	19	14.23	77.52	6.6	33.46	7.8	24.9	0.95
C8	08 Nov 2021	20	14.23	76.76	6.6	33.46	7.8	24.9	0.95
C8	16 Nov 2021	1	17.28	80.89	8.6	33.52	8.1	24.3	1.81
C8	16 Nov 2021	2	17.28	80.89	8.6	33.52	8.1	24.3	1.83
C8	16 Nov 2021	3	17.14	80.88	8.6	33.53	8.1	24.4	1.94
C8	16 Nov 2021	4	16.99	80.98	8.4	33.51	8.0	24.4	2.15
C8	16 Nov 2021	5	16.98	81.47	8.4	33.51	8.0	24.4	2.37
C8	16 Nov 2021	6	16.96	81.62	8.4	33.51	8.0	24.4	2.35
C8	16 Nov 2021	7	16.92	81.90	8.3	33.51	8.0	24.4	2.32
C8	16 Nov 2021	8	16.80	82.04	8.3	33.51	8.0	24.4	2.18
C8	16 Nov 2021	9	16.75	82.02	8.2	33.50	8.0	24.4	2.27
C8	16 Nov 2021	10	16.70	81.87	8.2	33.50	8.0	24.4	2.36
C8	16 Nov 2021	11	16.57	81.84	8.1	33.50	8.0	24.5	2.36
C8	16 Nov 2021	12	16.31	81.86	8.0	33.50	8.0	24.5	2.35
C8	16 Nov 2021	13	16.25	82.25	7.9	33.48	8.0	24.5	2.33
C8	16 Nov 2021	14	16.11	82.27	7.8	33.49	8.0	24.6	2.24
C8	16 Nov 2021	15	15.98	82.31	7.7	33.50	8.0	24.6	2.21
C8	16 Nov 2021	16	15.44	82.84	7.5	33.49	7.9	24.7	2.18
C8	16 Nov 2021	17	15.19	82.18	7.4	33.47	7.9	24.8	2.06
C8	16 Nov 2021	18	14.64	83.82	7.1	33.52	7.9	24.9	1.98
C8	16 Nov 2021	19	13.94	84.35	6.8	33.48	7.8	25.0	1.75
C8	16 Nov 2021	20	13.86	84.49	6.7	33.46	7.8	25.0	1.57
C8	22 Nov 2021	1	17.54	84.23	8.3	33.55	8.1	24.3	1.07
C8	22 Nov 2021	2	17.55	84.50	8.4	33.55	8.1	24.3	1.07
C8	22 Nov 2021	3	17.55	84.54	8.3	33.55	8.1	24.3	1.13
C8	22 Nov 2021	4	17.55	84.49	8.3	33.55	8.1	24.3	1.14
C8	22 Nov 2021	5	17.53	84.52	8.3	33.55	8.1	24.3	1.11
C8	22 Nov 2021	6	17.46	84.54	8.2	33.56	8.1	24.3	1.22
C8	22 Nov 2021	7	17.41	84.43	8.2	33.55	8.1	24.3	1.22
C8	22 Nov 2021	8	17.37	84.23	8.2	33.55	8.1	24.3	1.28
C8	22 Nov 2021	9	17.23	83.97	8.1	33.55	8.1	24.4	1.36
C8	22 Nov 2021	10	17.09	83.87	8.2	33.55	8.1	24.4	1.40
C8	22 Nov 2021	11	16.91	83.38	8.2	33.55	8.1	24.4	1.62
C8	22 Nov 2021	12	16.63	82.80	8.2	33.56	8.1	24.5	1.88
C8	22 Nov 2021	13	16.44	81.77	8.2	33.53	8.1	24.5	2.26
C8	22 Nov 2021	14	16.39	80.93	8.2	33.52	8.1	24.5	2.87
C8	22 Nov 2021	15	16.20	81.21	8.0	33.54	8.0	24.6	3.43
C8	22 Nov 2021	16	15.62	82.24	7.8	33.56	8.0	24.7	3.45
C8	22 Nov 2021	17	15.30	83.05	7.6	33.52	8.0	24.8	3.36
C8	22 Nov 2021	18	14.92	83.89	7.3	33.53	8.0	24.9	3.06
C8	22 Nov 2021	19	14.31	85.04	7.1	33.52	7.9	25.0	2.50
C8	22 Nov 2021	20	14.19	85.58	6.9	33.46	7.9	25.0	1.97
C8	30 Nov 2021	1	16.65	82.72	8.0	33.54	8.0	24.5	1.25
C8	30 Nov 2021	2	16.65	82.61	8.0	33.54	8.0	24.5	1.35
C8	30 Nov 2021	3	16.63	83.78	8.0	33.53	8.0	24.5	1.35
C8	30 Nov 2021	4	16.62	83.78	8.0	33.54	8.0	24.5	1.46
C8	30 Nov 2021	5	16.56	83.76	8.0	33.54	8.0	24.5	1.52
C8	30 Nov 2021	6	16.49	83.70	8.0	33.54	8.0	24.5	1.60
C8	30 Nov 2021	7	16.16	83.79	7.9	33.57	8.0	24.6	1.63
C8	30 Nov 2021	8	15.78	83.32	7.8	33.53	8.0	24.7	1.65

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	30 Nov 2021	9	15.65	83.23	7.8	33.50	7.9	24.7	1.80
C8	30 Nov 2021	10	15.60	83.15	7.8	33.48	7.9	24.7	1.89
C8	30 Nov 2021	11	15.51	83.24	7.9	33.48	7.9	24.7	1.95
C8	30 Nov 2021	12	15.43	83.37	8.0	33.47	8.0	24.7	1.98
C8	30 Nov 2021	13	15.30	83.45	8.0	33.48	8.0	24.7	2.01
C8	30 Nov 2021	14	15.16	83.62	7.8	33.46	7.9	24.8	1.99
C8	30 Nov 2021	15	15.15	84.38	7.6	33.45	7.9	24.7	1.93
C8	30 Nov 2021	16	15.05	84.65	7.4	33.47	7.9	24.8	1.81
C8	30 Nov 2021	17	14.98	84.94	7.2	33.47	7.9	24.8	1.56
C8	30 Nov 2021	18	14.69	85.04	6.9	33.50	7.9	24.9	1.23
C8	30 Nov 2021	19	14.43	84.76	6.7	33.47	7.8	24.9	1.07

NA = not available

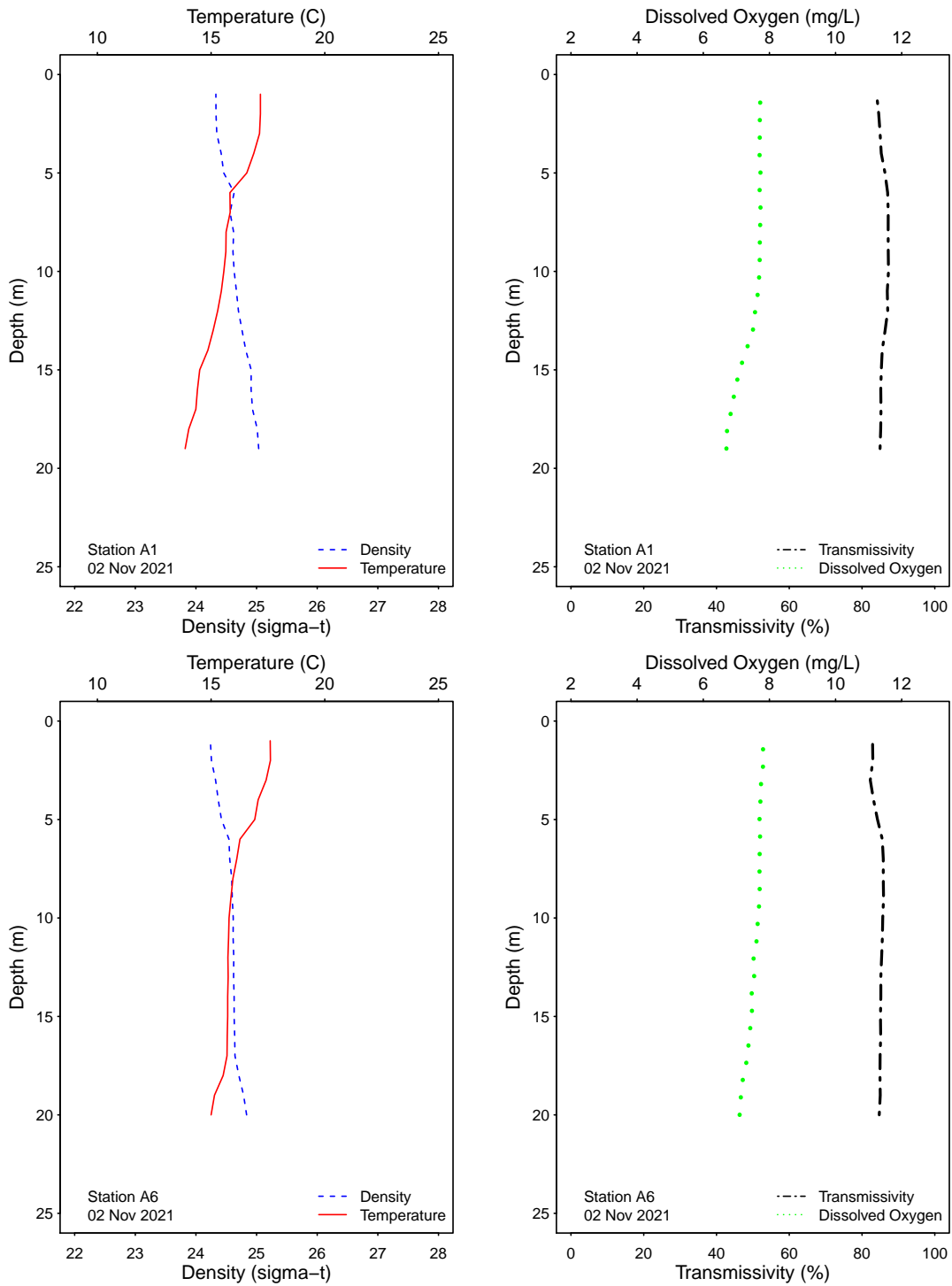


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

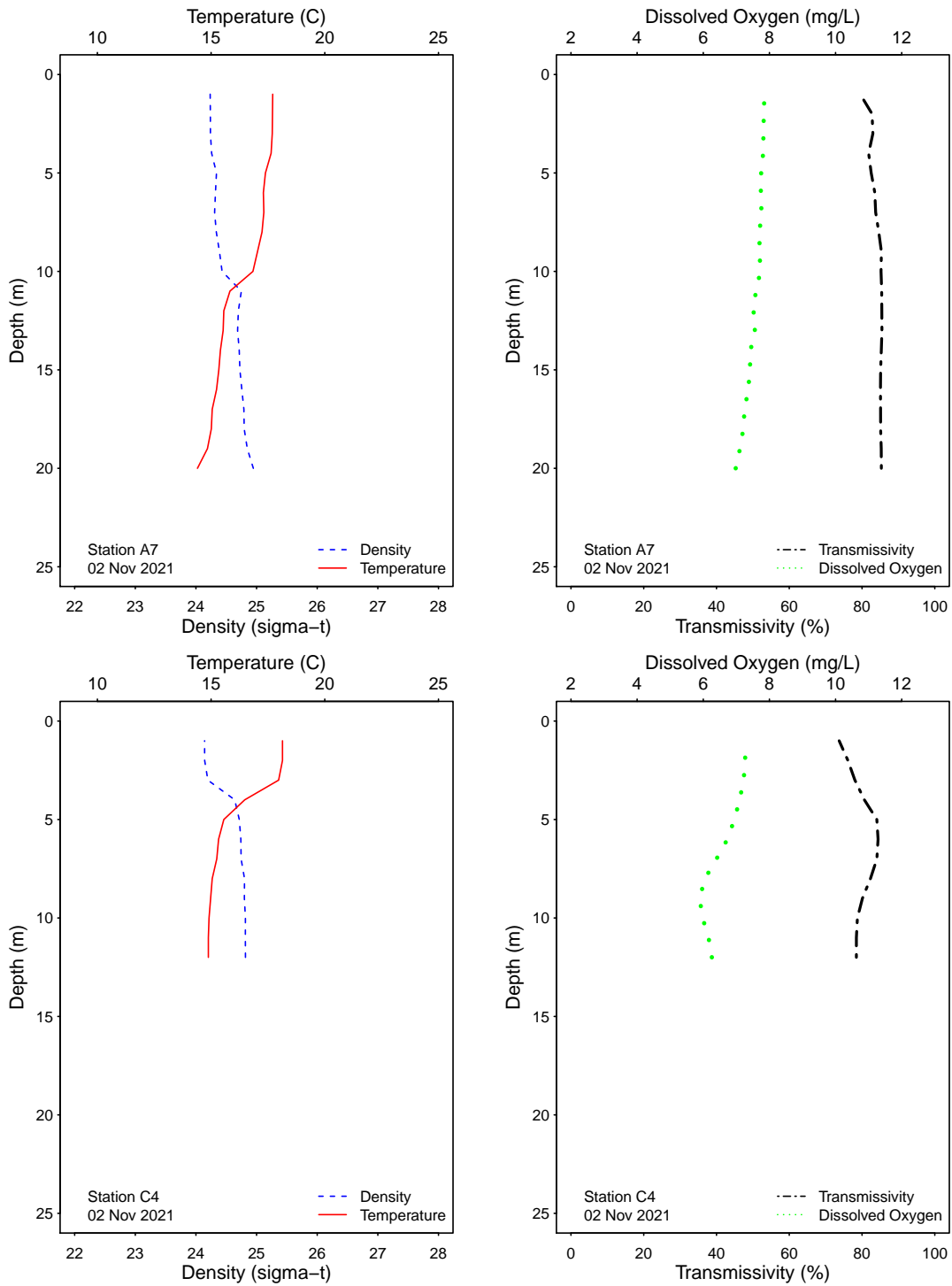


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

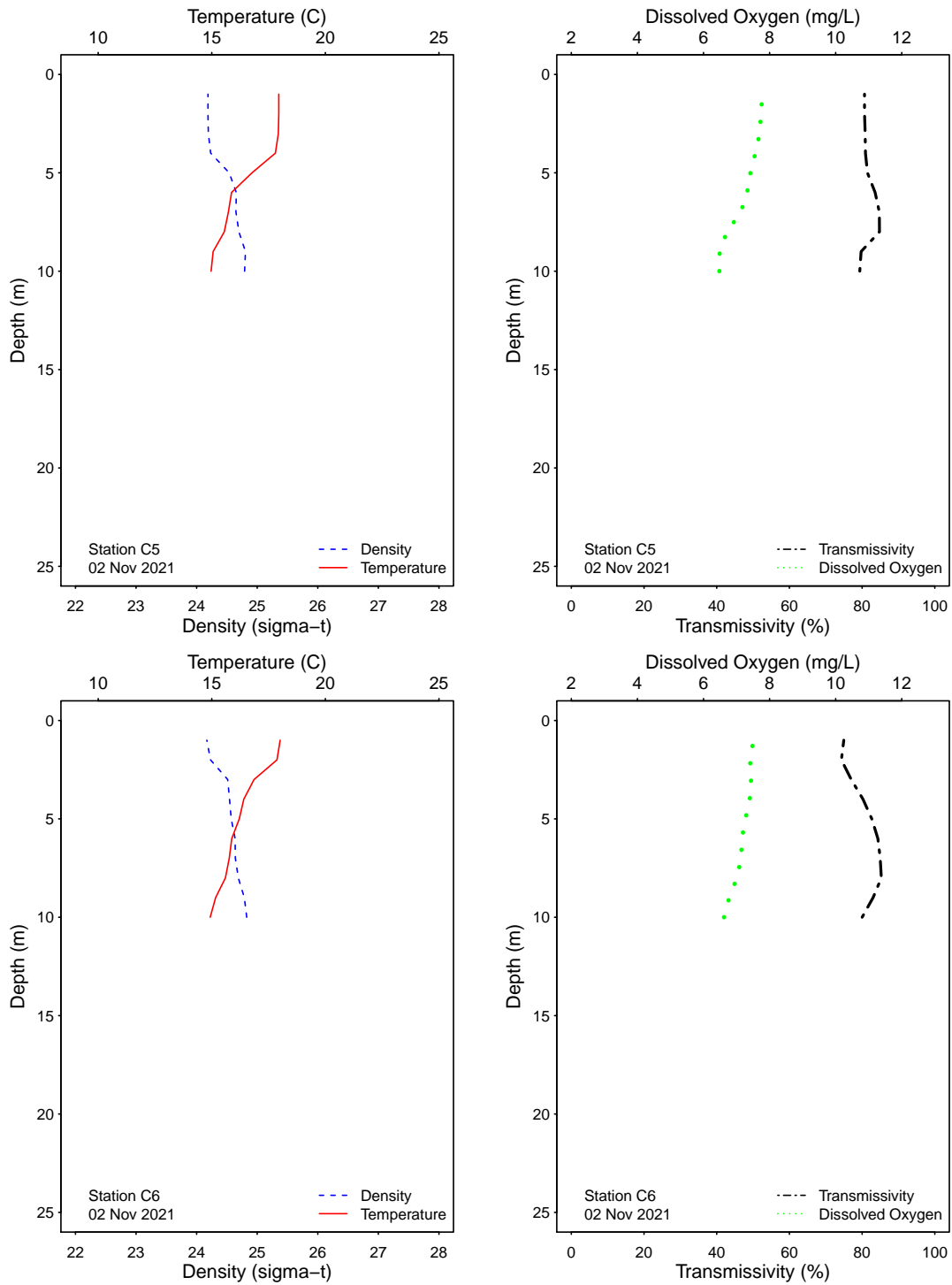


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

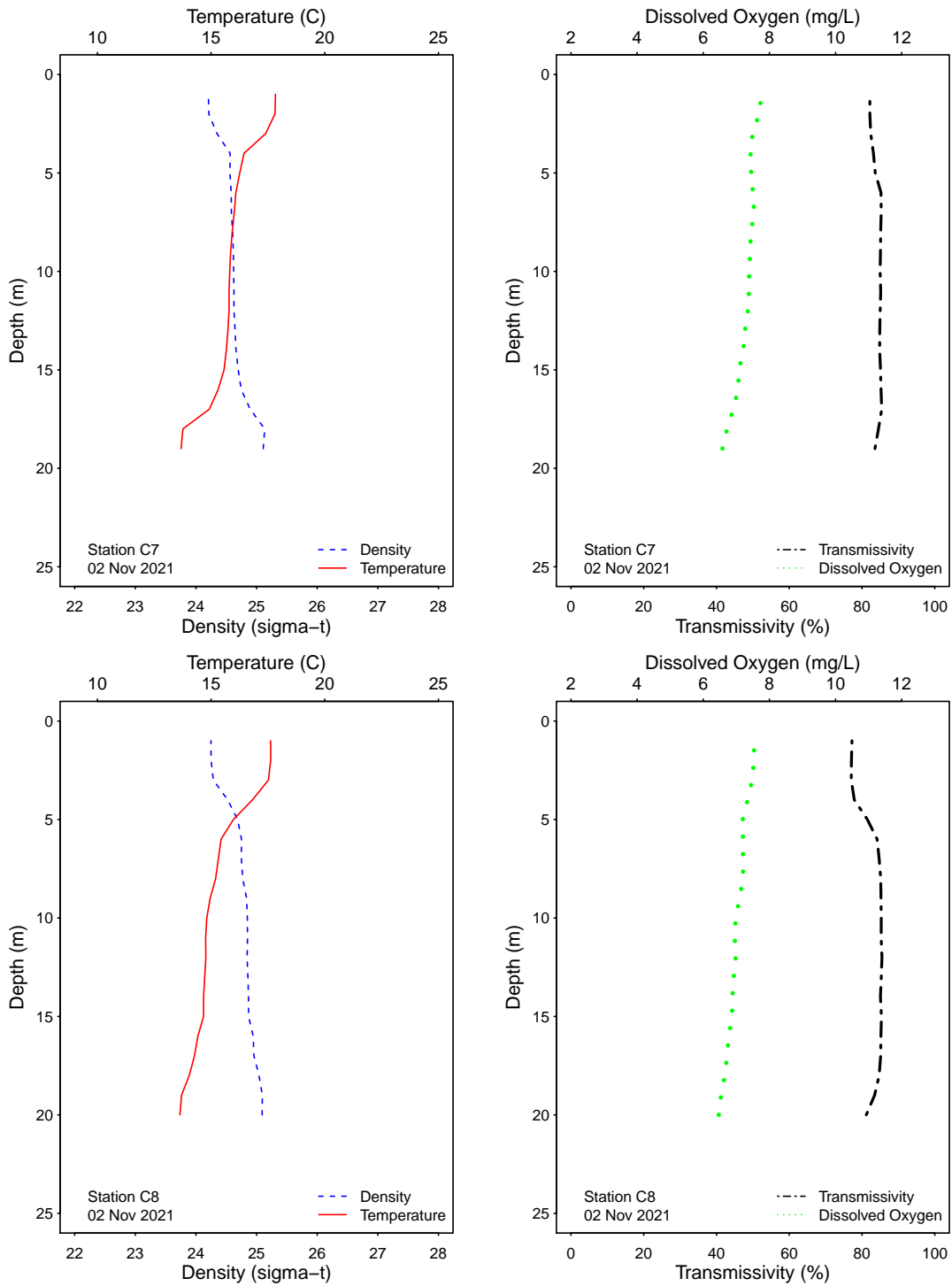


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



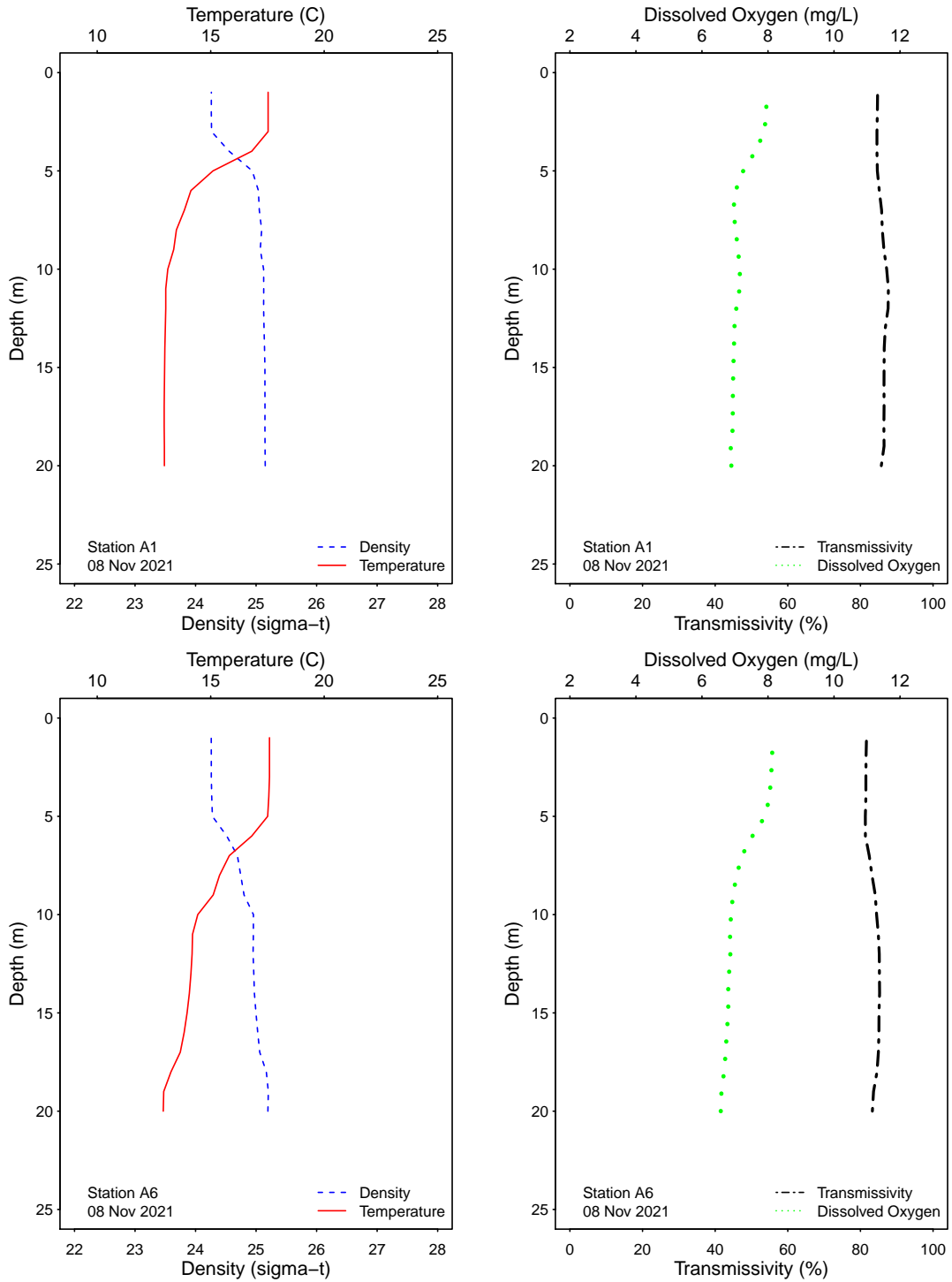


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

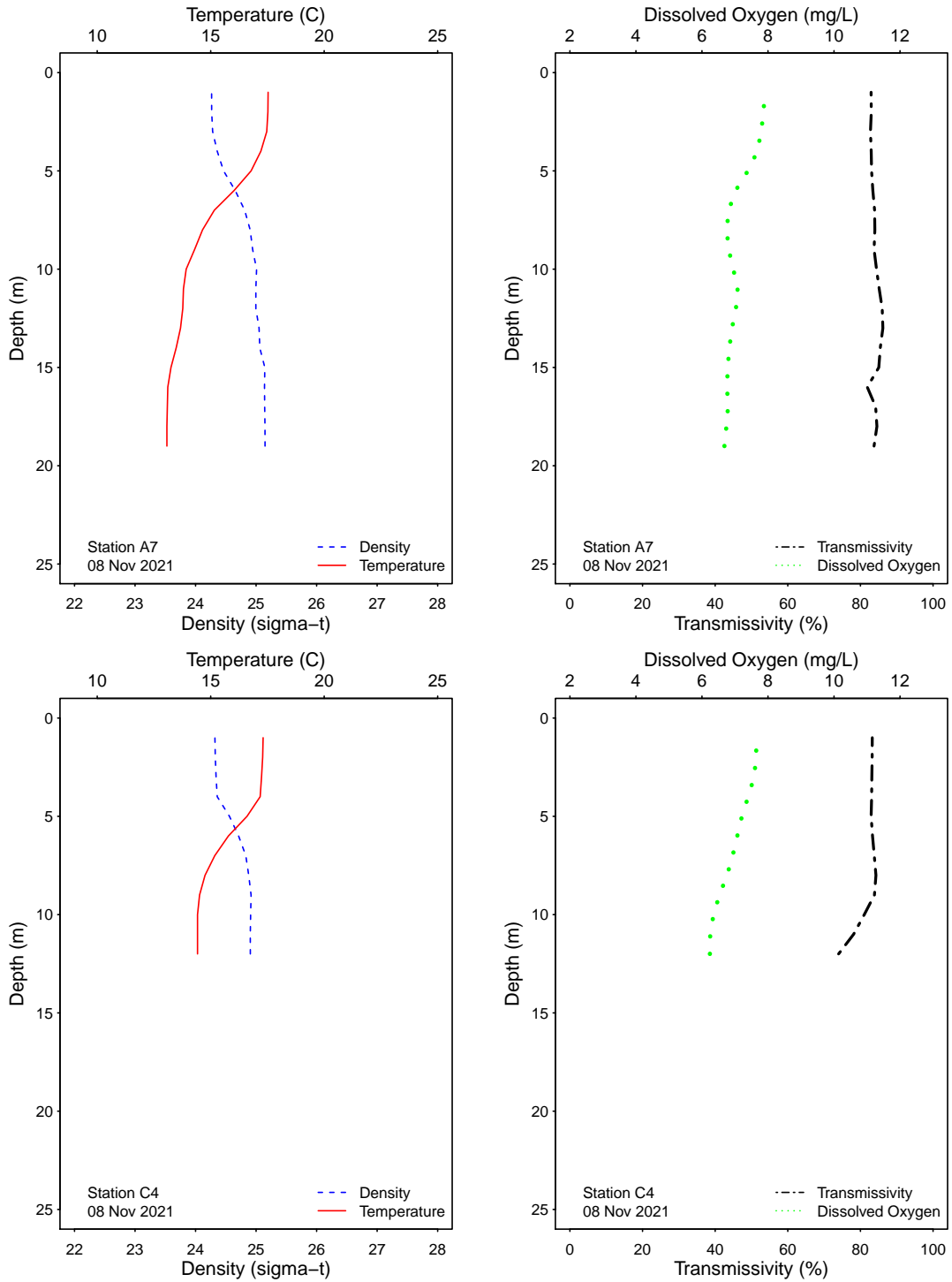


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

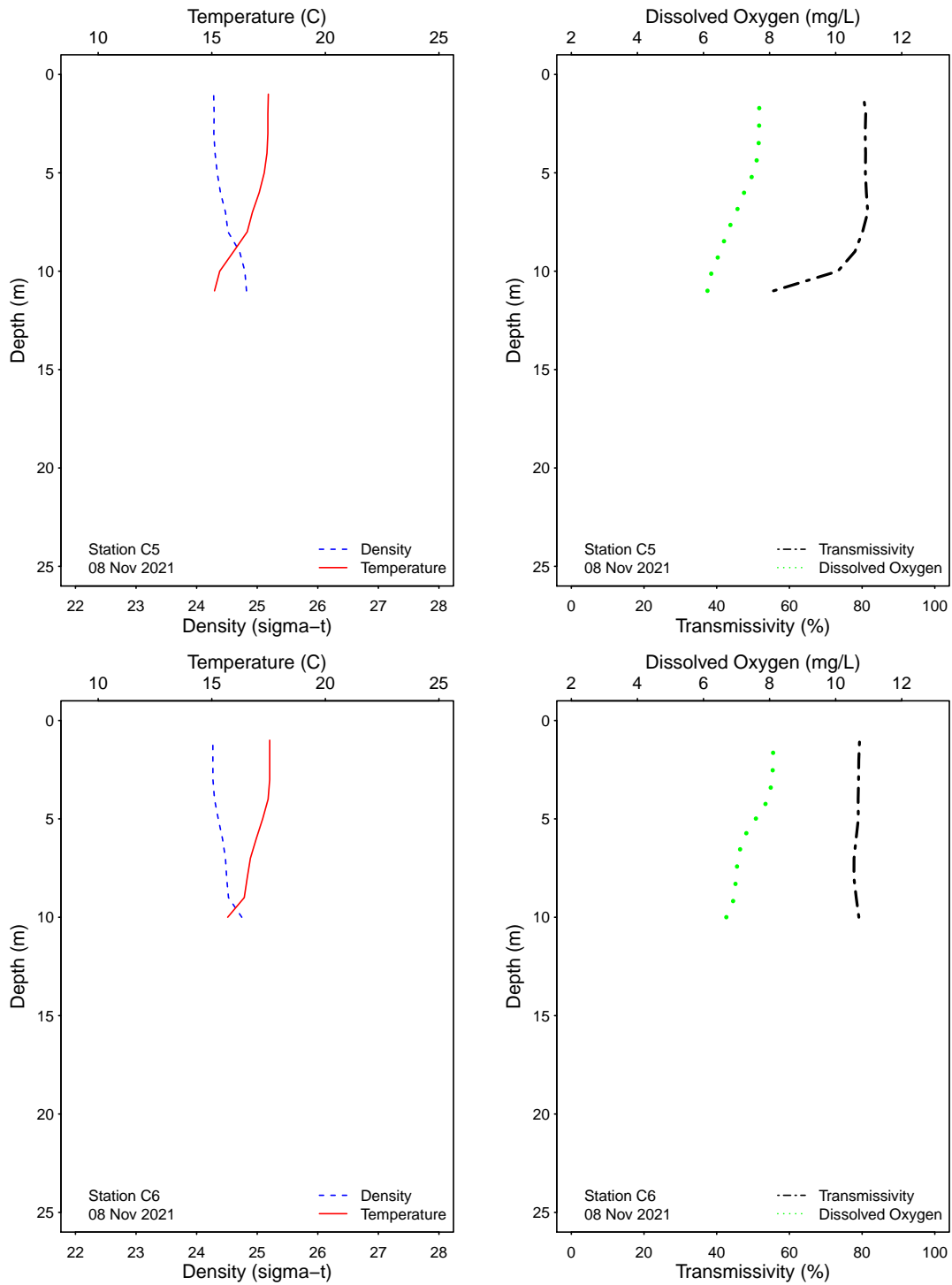


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

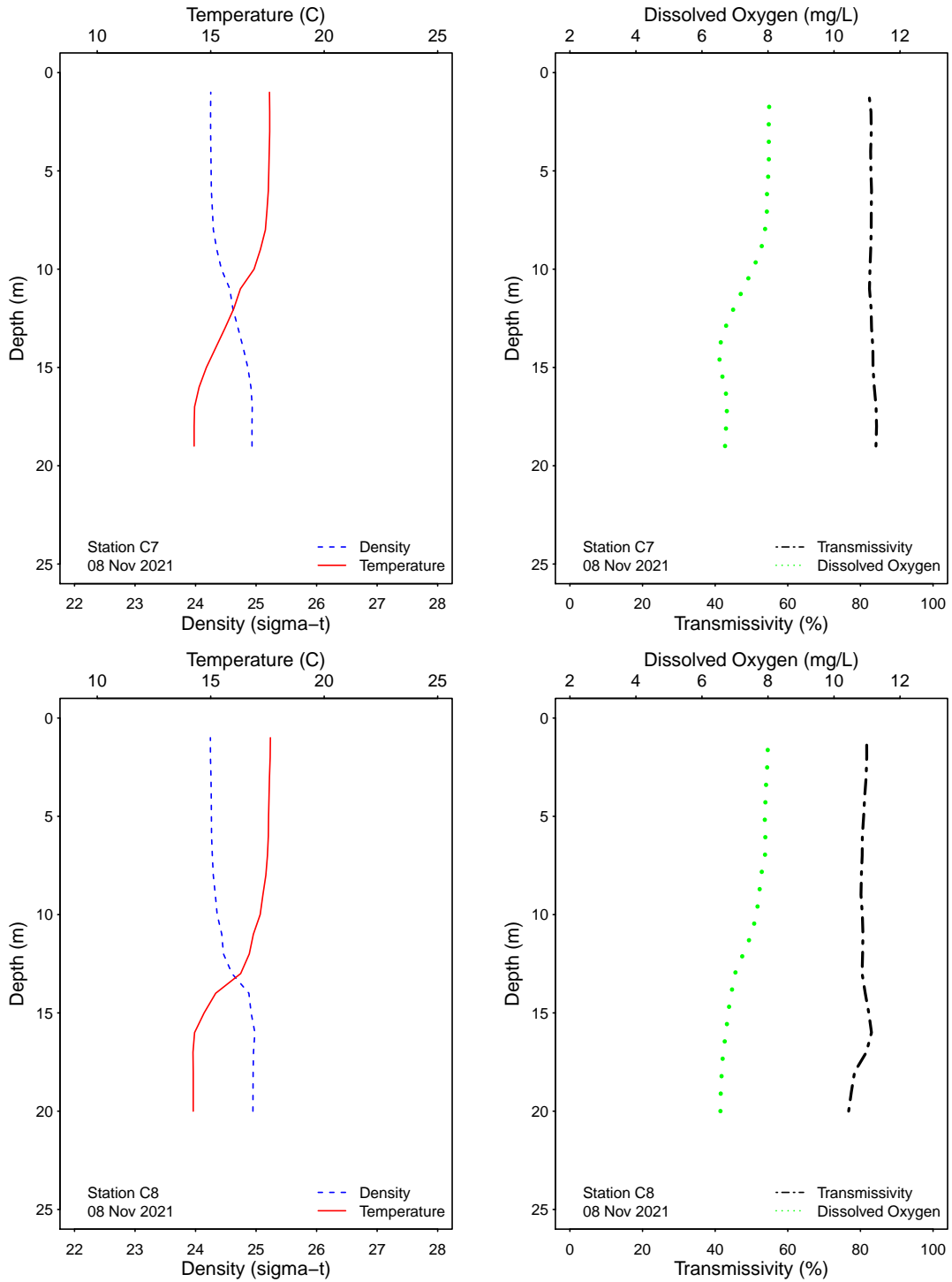


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

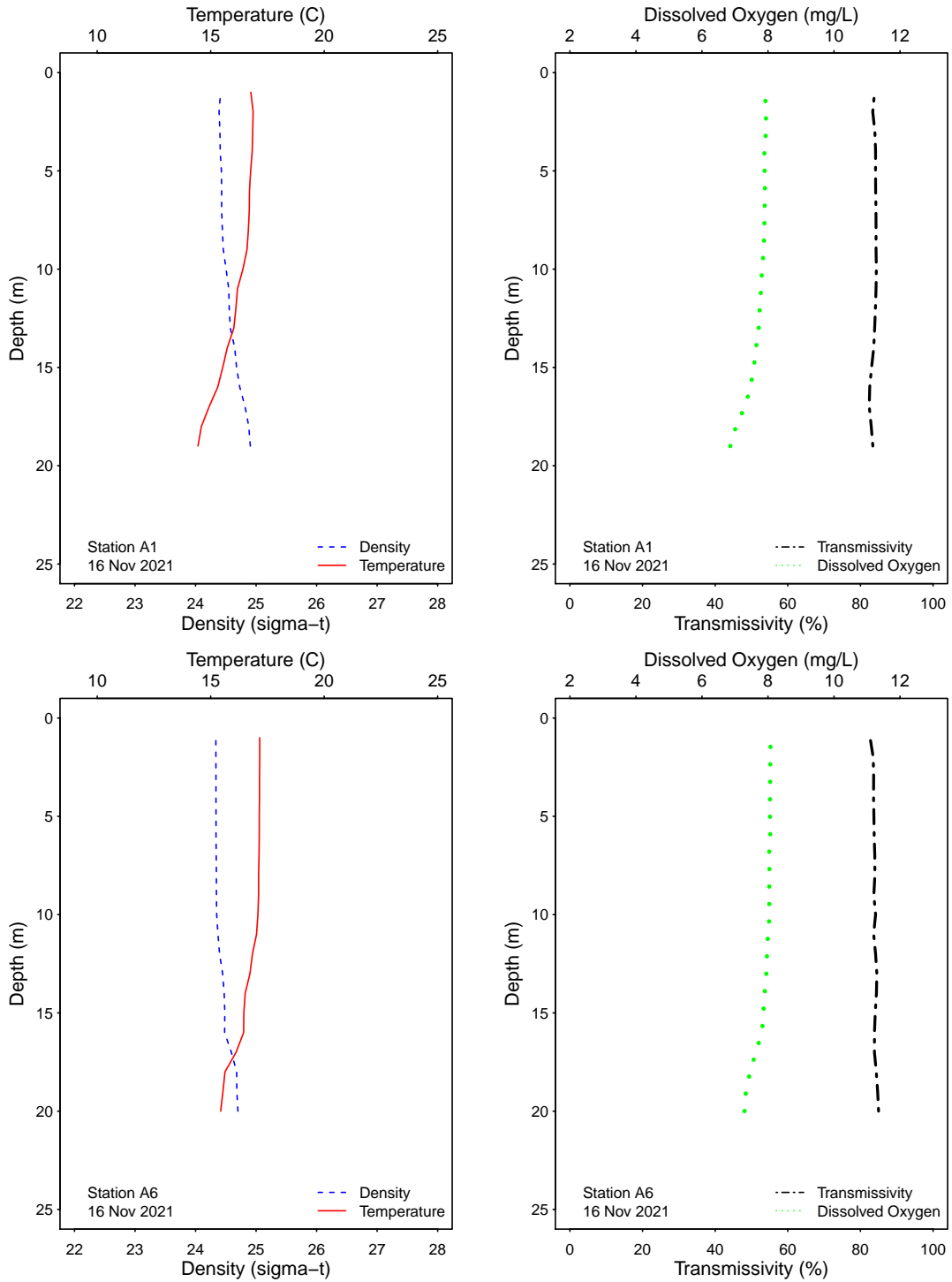


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

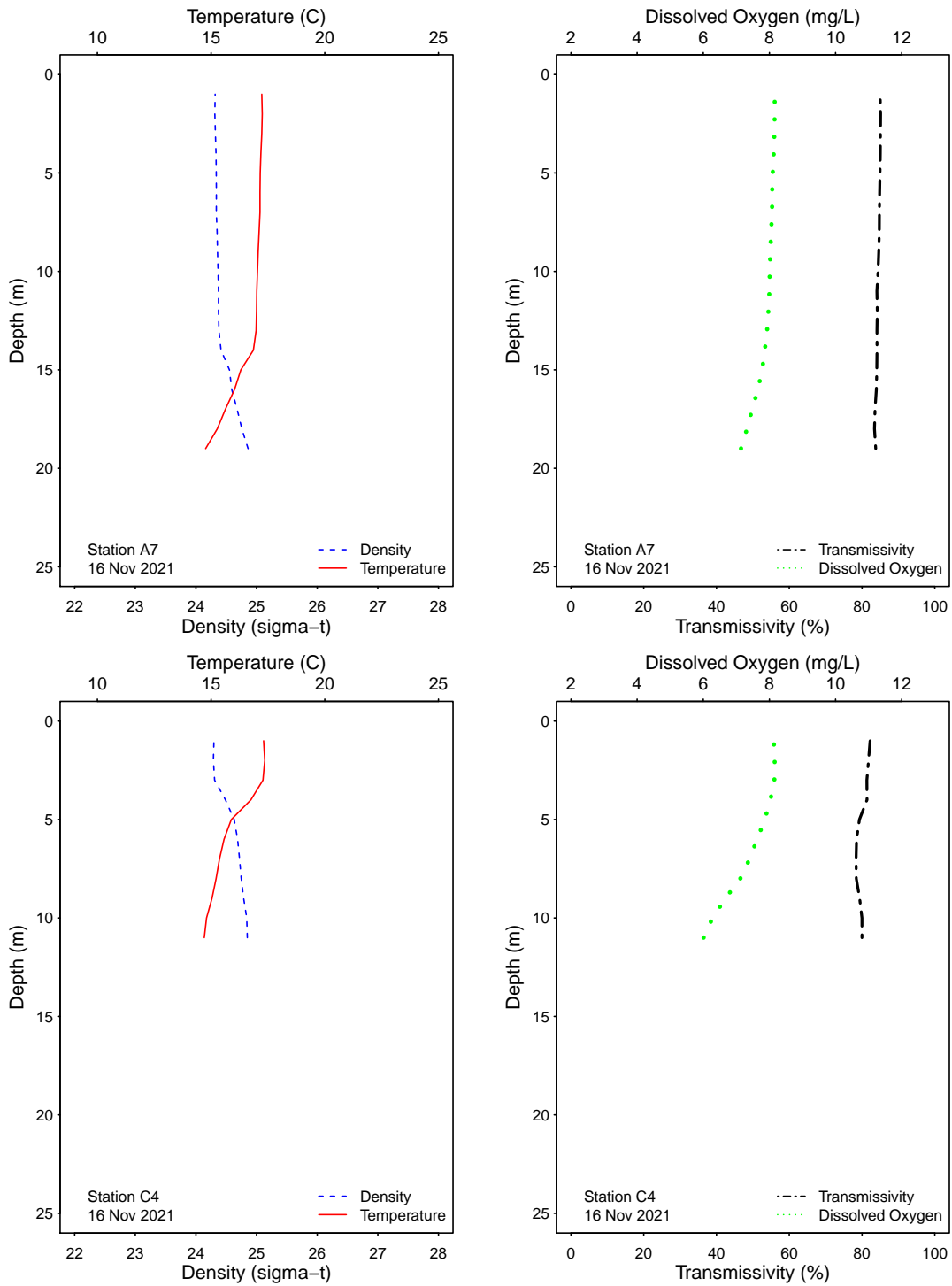


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

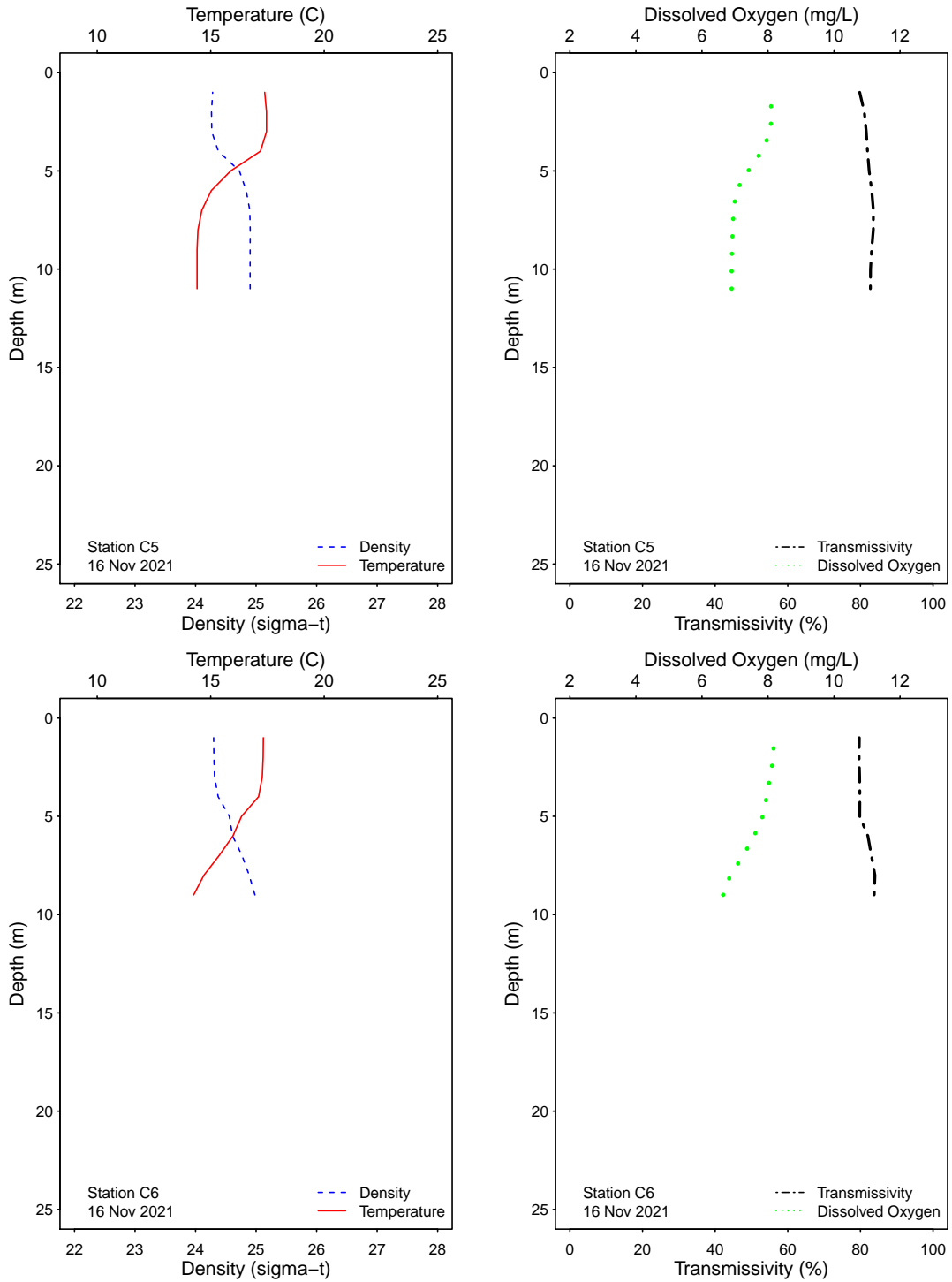


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

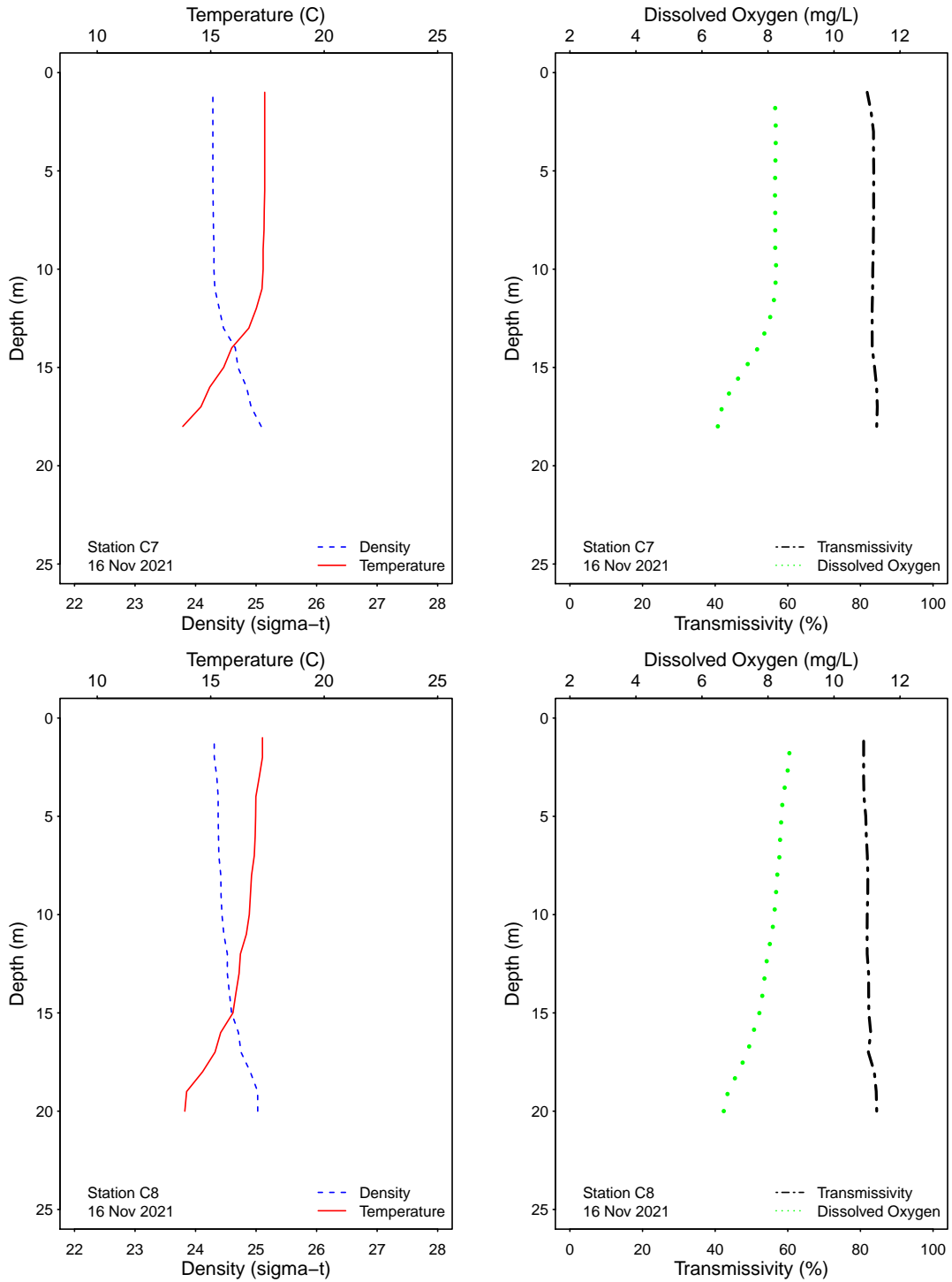


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



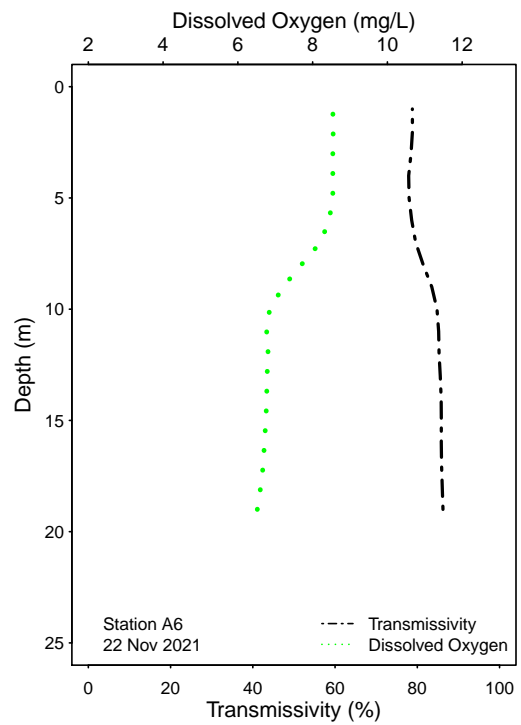
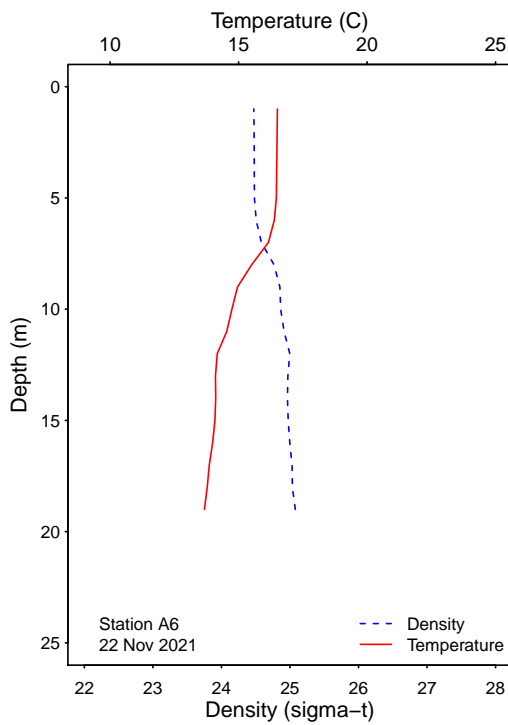
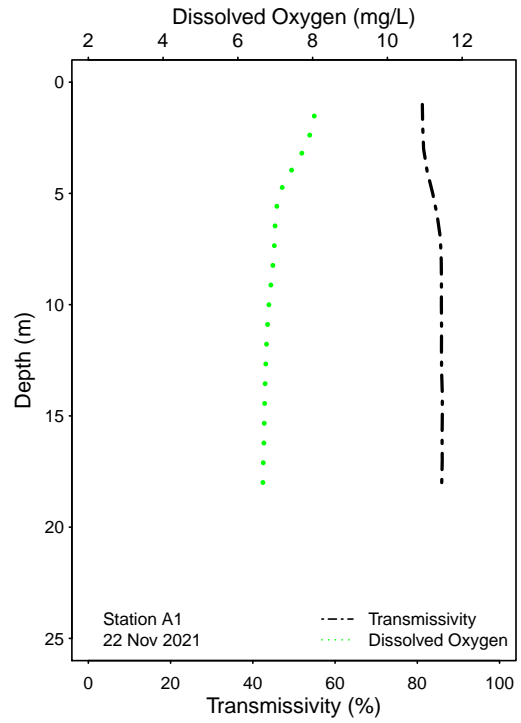
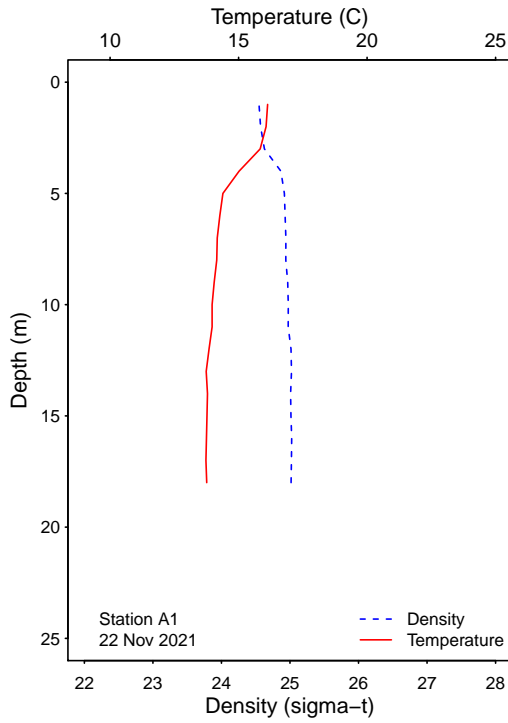


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

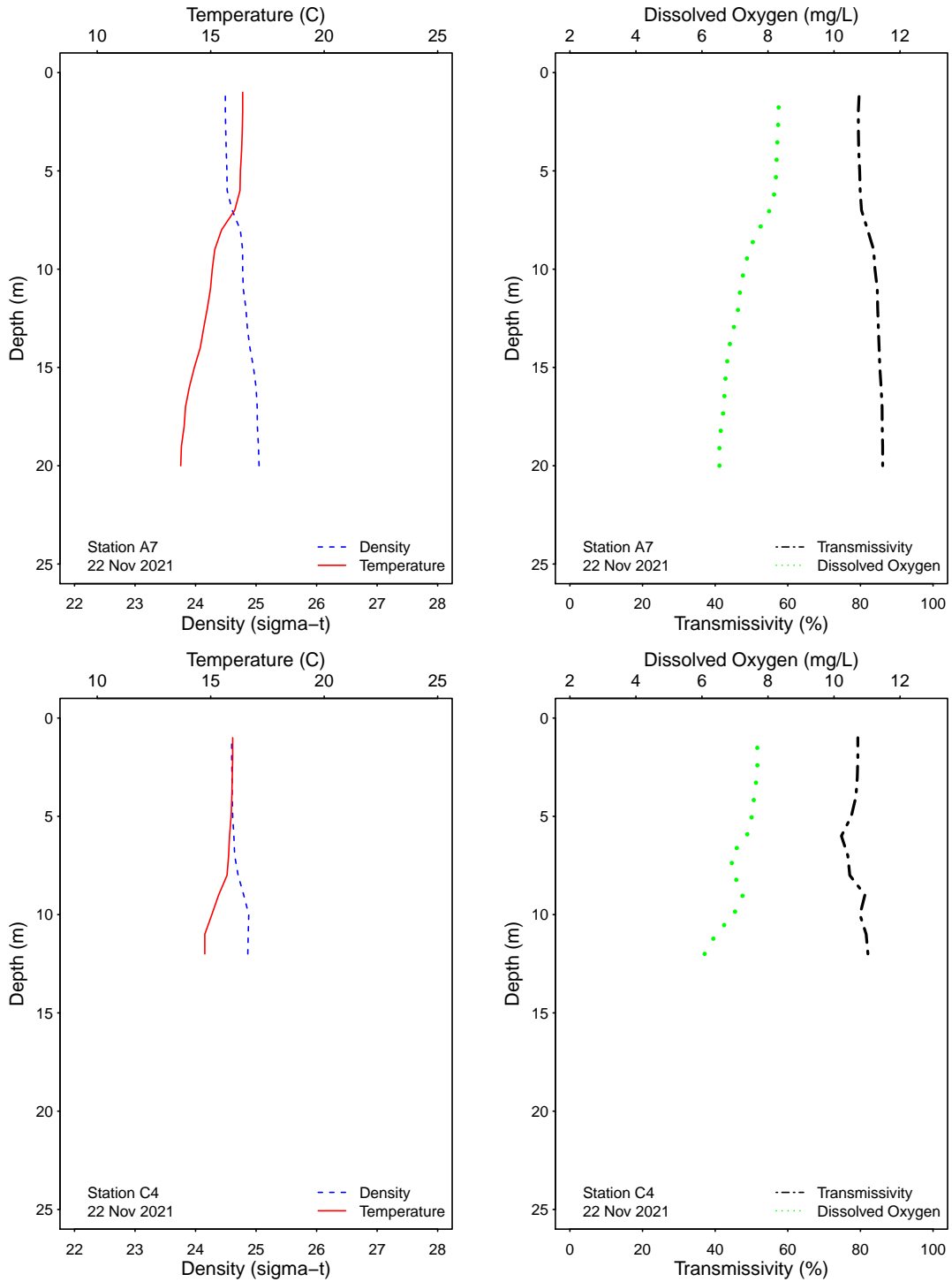


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

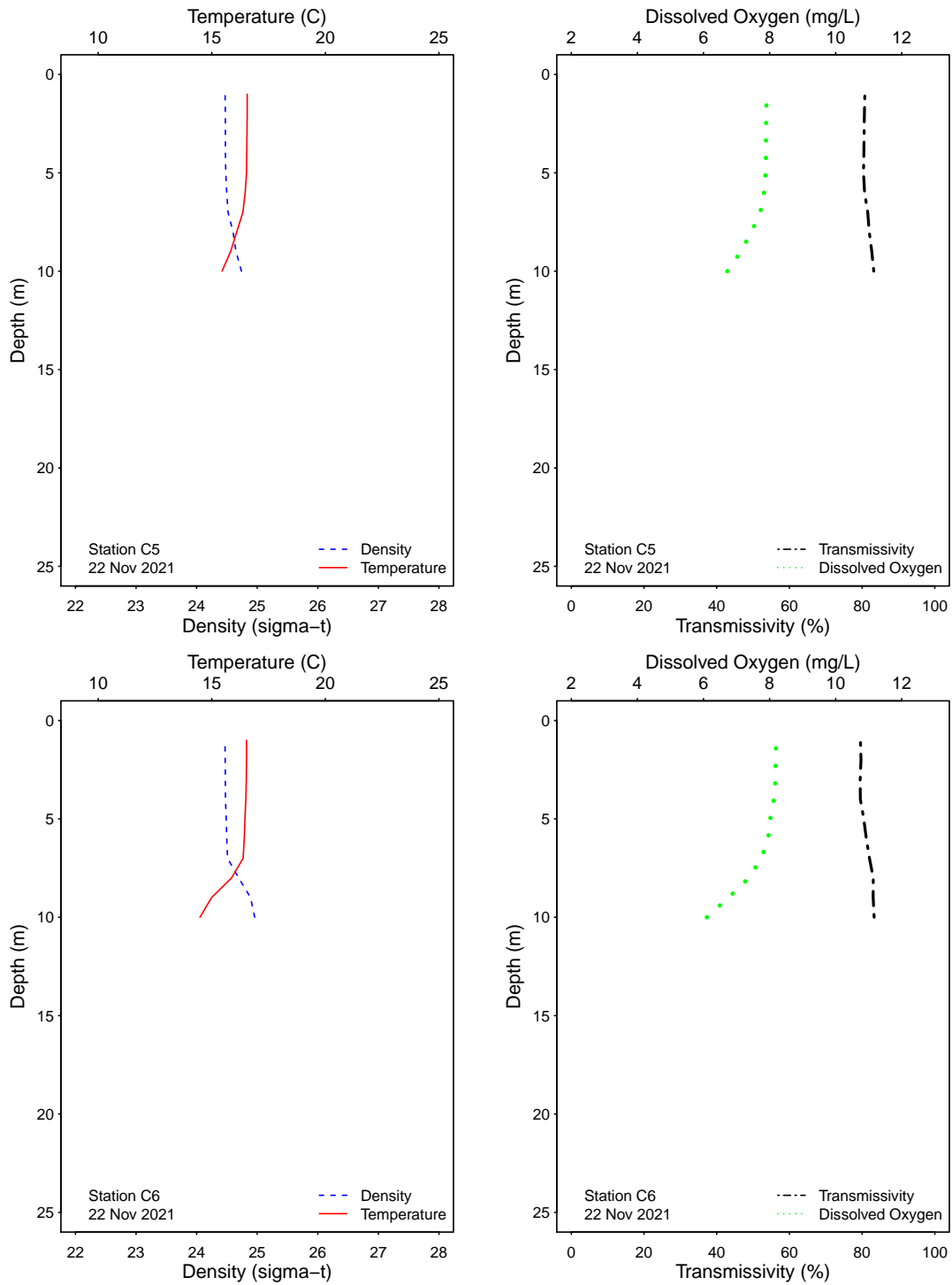


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

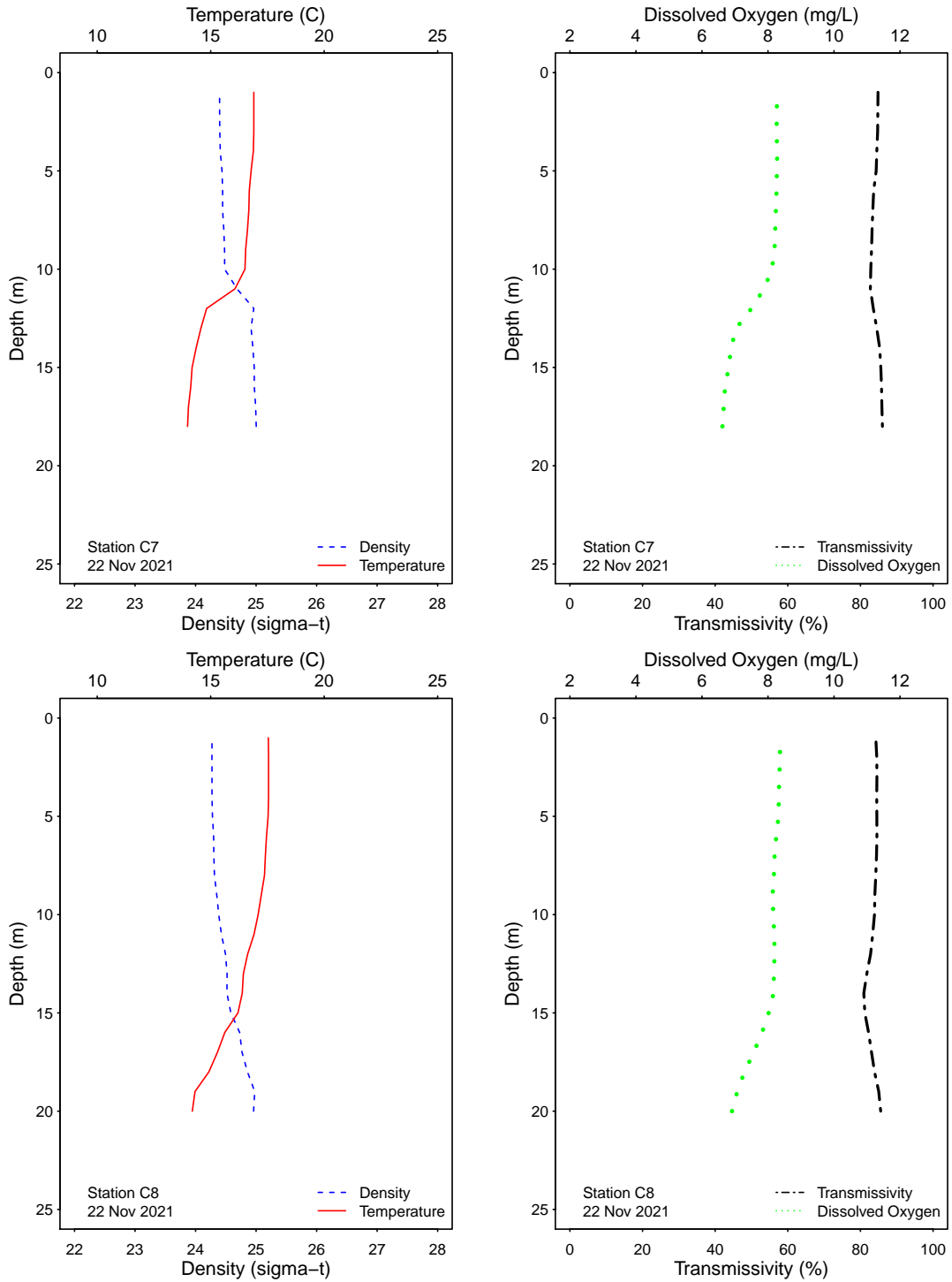


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

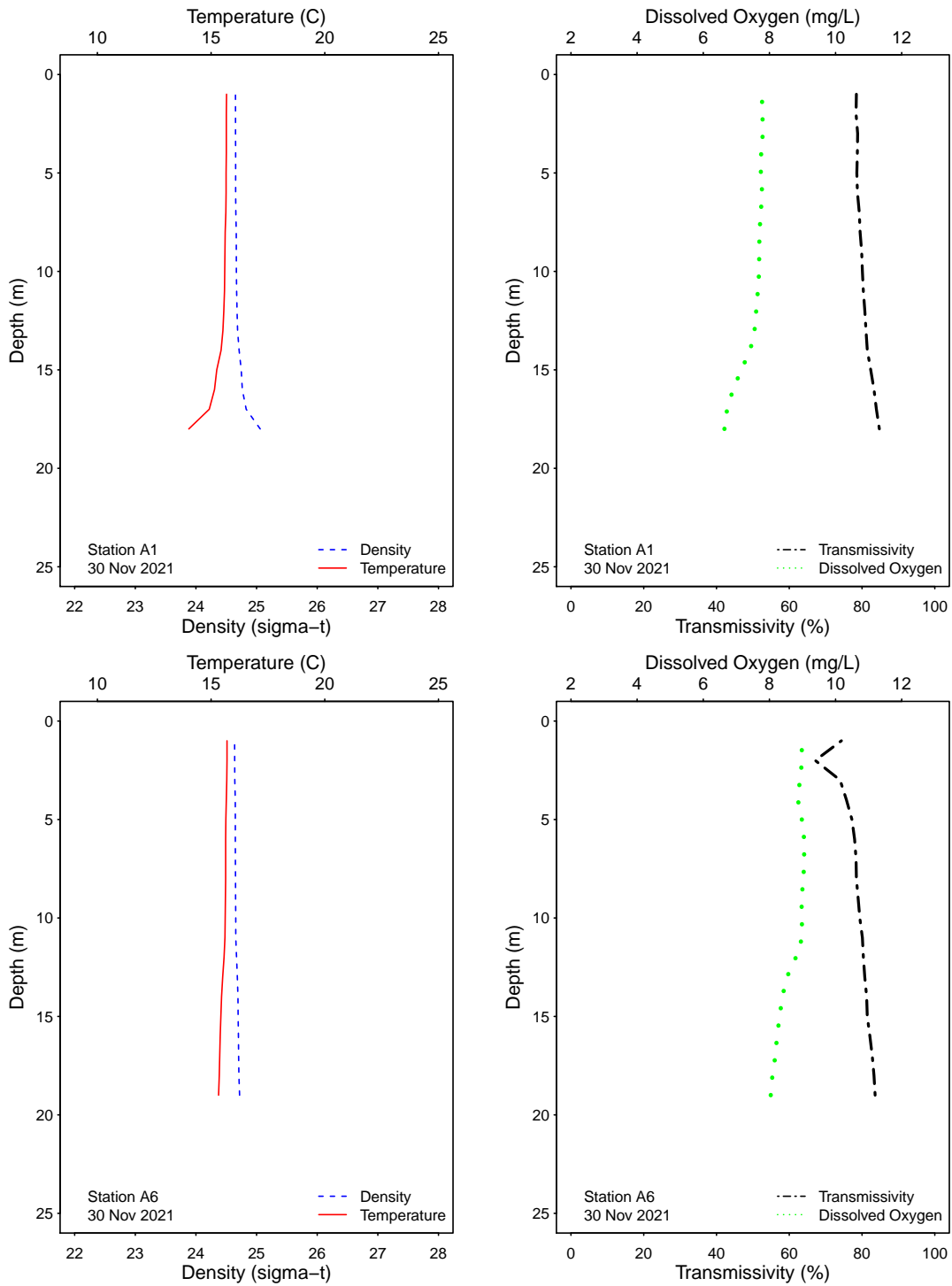


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

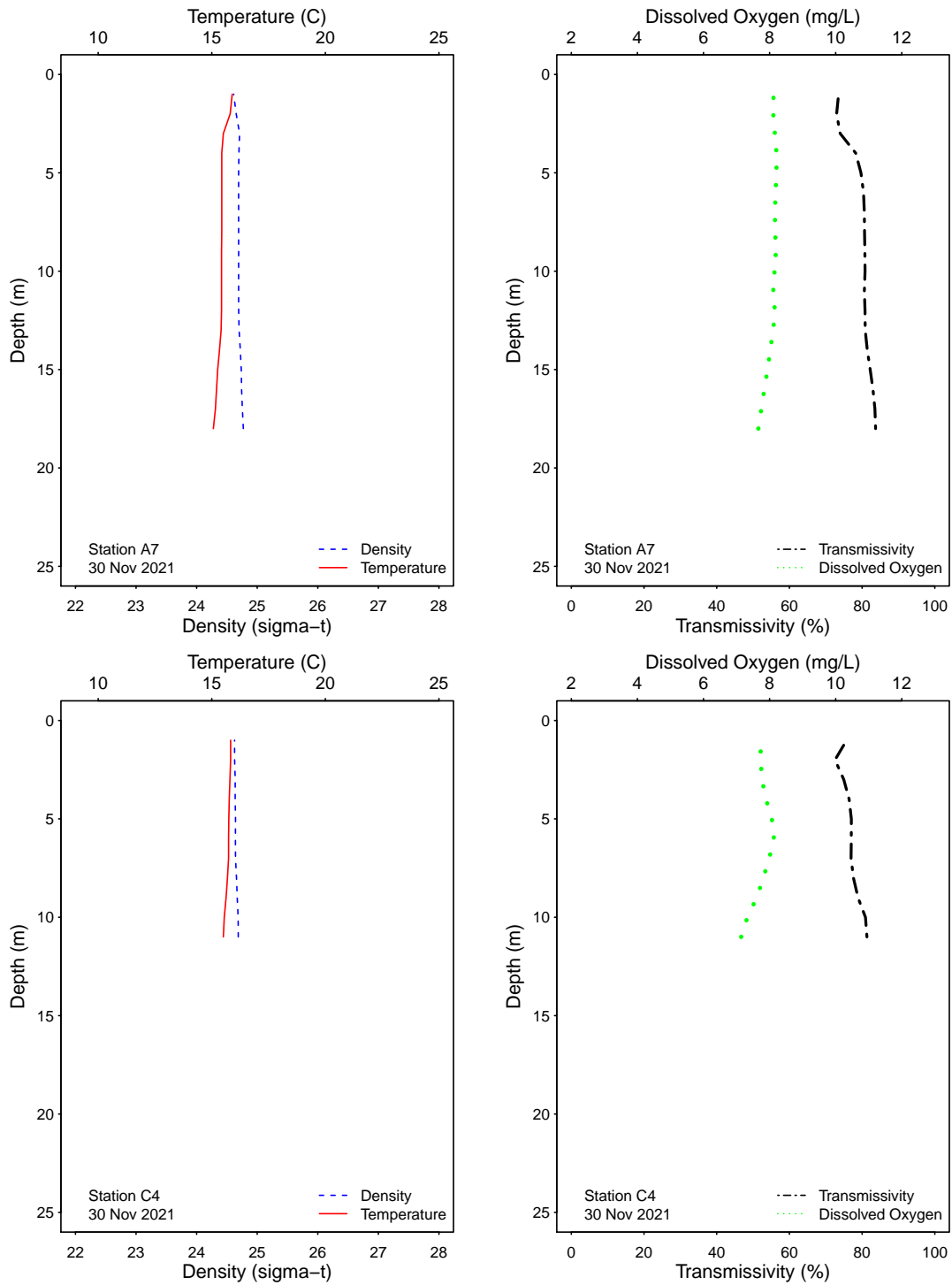


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

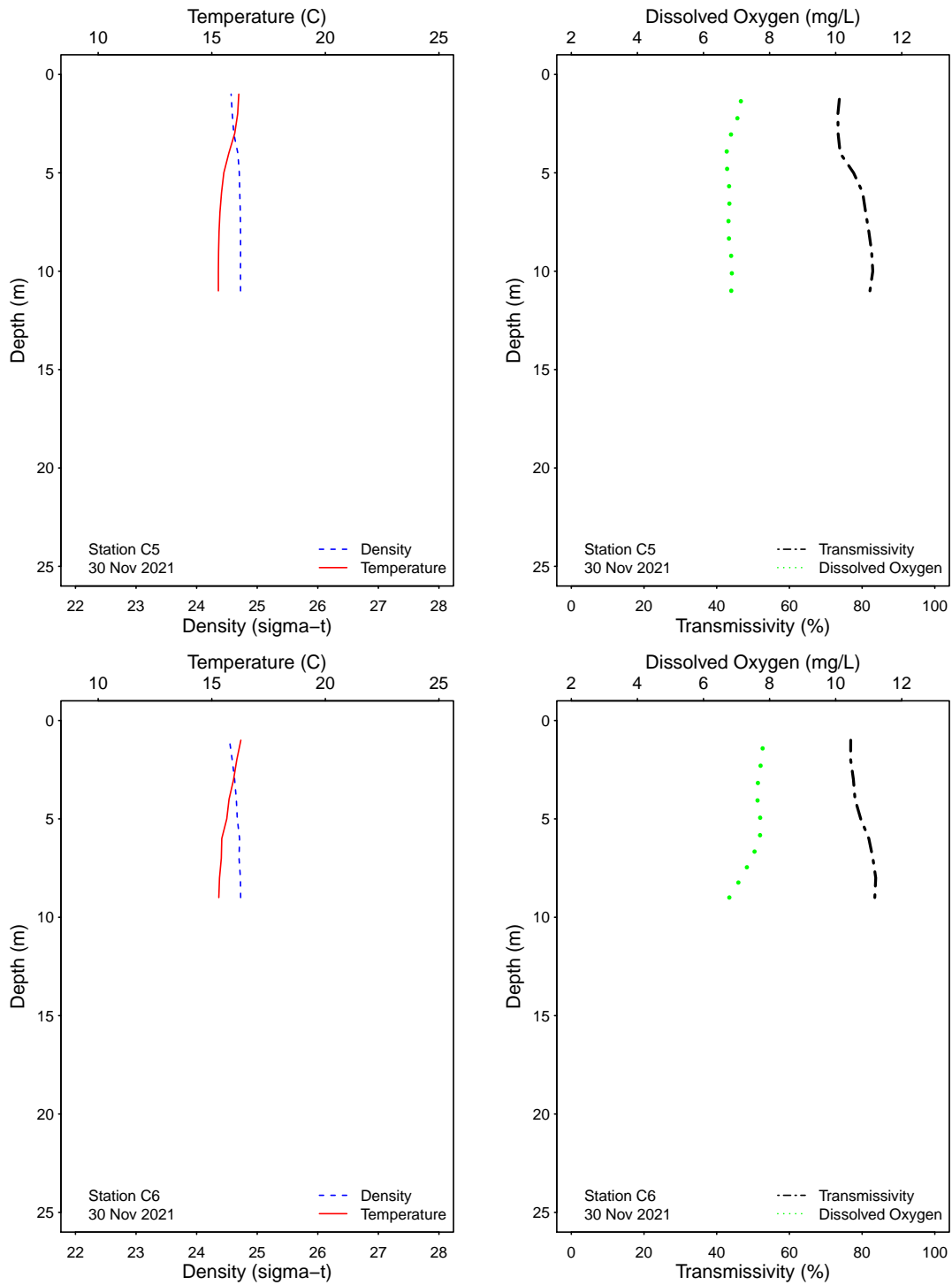


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

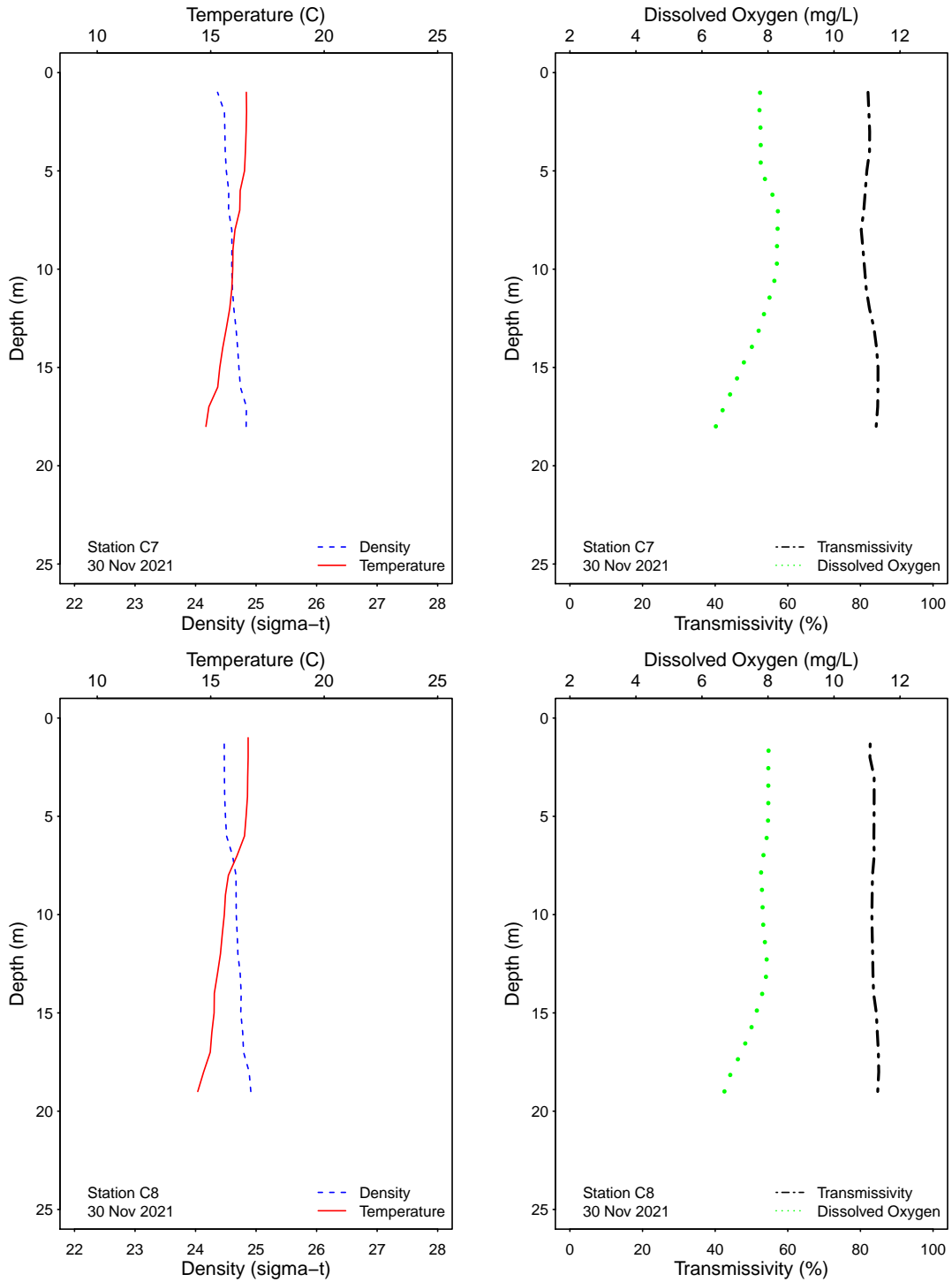


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



# Offshore Stations



### Table 4.1

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria at the PLOO offshore stations within three nautical miles of shore. Values shall not exceed 104 CFU/100 mL.

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
10 Nov 2021	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	ns	ns	ns
12 Nov 2021	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 4.2**

Summary of water quality parameters at the PLOO offshore stations for each sample date. Density of *Enterococcus* (Entero) is 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	Entero	Temp	XMS	DO	Sal	pH
F01	10 Nov 2021	1203	1	<2	17.3	80.05	8.0	33.51	8.0
F01	10 Nov 2021	1203	12	<2	13.6	85.90	7.3	33.35	7.9
F01	10 Nov 2021	1203	18	<2	13.5	83.72	7.0	33.39	7.8
F02	10 Nov 2021	837	1	<2	17.0	83.08	7.9	33.51	8.0
F02	10 Nov 2021	837	12	<2	15.9	84.06	7.5	33.48	7.9
F02	10 Nov 2021	837	18	<2	14.1	83.81	6.9	33.48	7.8
F03	10 Nov 2021	852	1	<2	17.2	83.46	7.9	33.52	8.0
F03	10 Nov 2021	852	12	<2	16.9	81.60	7.6	33.54	7.9
F03	10 Nov 2021	852	18	<2	14.4	83.64	7.0	33.53	7.9
F04	10 Nov 2021	1139	1	<2	17.8	85.40	7.9	33.52	8.0
F04	10 Nov 2021	1139	25	<2	13.2	87.09	7.0	33.39	7.8
F04	10 Nov 2021	1139	60	<2	11.9	85.90	5.3	33.56	7.7
F05	10 Nov 2021	1125	1	<2	17.7	83.33	8.1	33.53	8.0
F05	10 Nov 2021	1125	25	<2	12.9	87.47	6.8	33.42	7.8
F05	10 Nov 2021	1125	60	<2	12.0	85.76	5.4	33.56	7.7
F06	10 Nov 2021	1112	1	<2	17.6	81.77	8.0	33.53	8.0
F06	10 Nov 2021	1112	25	<2	12.7	87.85	6.5	33.45	7.8
F06	10 Nov 2021	1112	60	<2	11.9	85.43	5.3	33.56	7.7
F07	10 Nov 2021	1055	1	4e	11.9	83.53	5.2	33.57	7.7
F07	10 Nov 2021	1055	25	<2	13.2	87.25	7.0	33.40	7.8
F07	10 Nov 2021	1055	60	<2	12.1	85.63	5.5	33.54	7.7
F08	10 Nov 2021	1040	1	<2	17.4	76.04	8.1	33.54	8.0
F08	10 Nov 2021	1040	25	<2	13.3	87.12	7.3	33.35	7.9
F08	10 Nov 2021	1040	60	2e	12.1	82.73	5.3	33.54	7.7
F09	10 Nov 2021	1027	1	<2	17.2	75.65	8.0	33.53	8.0
F09	10 Nov 2021	1027	25	4e	13.4	86.78	7.3	33.34	7.9
F09	10 Nov 2021	1027	60	24e	12.1	82.76	5.4	33.54	7.7
F10	10 Nov 2021	1014	1	<2	17.1	82.10	7.9	33.52	8.0
F10	10 Nov 2021	1014	25	<2	13.3	86.81	7.3	33.34	7.8
F10	10 Nov 2021	1014	60	14e	12.2	82.53	5.5	33.52	7.7
F11	10 Nov 2021	957	1	<2	17.4	82.27	8.1	33.52	8.0
F11	10 Nov 2021	957	25	<2	14.0	85.29	7.0	33.44	7.8
F11	10 Nov 2021	957	60	14e	12.1	80.67	5.3	33.54	7.7
F12	10 Nov 2021	943	1	2e	17.5	84.86	8.0	33.53	8.0
F12	10 Nov 2021	943	25	<2	13.5	86.91	7.2	33.37	7.8
F12	10 Nov 2021	943	60	22e	11.9	83.00	5.2	33.57	7.7
F13	10 Nov 2021	925	1	<2	17.6	84.63	8.1	33.53	8.0
F13	10 Nov 2021	925	25	<2	14.4	85.61	7.1	33.44	7.9
F13	10 Nov 2021	925	60	12e	12.0	83.38	5.4	33.54	7.7

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F14	10 Nov 2021	910	1	<2	17.5	84.90	8.1	33.53	8.0
F14	10 Nov 2021	910	25	2e	12.9	87.18	6.8	33.39	7.8
F14	10 Nov 2021	910	60	28e	12.1	83.71	5.6	33.52	7.7
F15	12 Nov 2021	1112	1	<2	17.7	85.62	7.9	33.50	8.0
F15	12 Nov 2021	1112	25	<2	14.2	85.76	7.3	33.40	7.9
F15	12 Nov 2021	1112	60	4e	12.0	87.74	5.5	33.55	7.7
F15	12 Nov 2021	1112	80	<2	11.6	85.12	4.7	33.67	7.6
F16	12 Nov 2021	1057	1	<2	17.8	85.96	7.9	33.51	8.0
F16	12 Nov 2021	1057	25	<2	13.9	86.37	7.2	33.40	7.9
F16	12 Nov 2021	1057	60	<2	11.9	87.86	5.2	33.59	7.7
F16	12 Nov 2021	1057	80	<2	11.6	83.01	4.6	33.66	7.6
F17	12 Nov 2021	1034	1	<2	17.5	85.38	7.9	33.51	8.0
F17	12 Nov 2021	1034	25	<2	13.4	86.85	7.2	33.38	7.9
F17	12 Nov 2021	1034	60	10e	11.8	86.94	5.3	33.59	7.7
F17	12 Nov 2021	1034	80	280e	11.5	84.46	4.5	33.67	7.6
F18	12 Nov 2021	1019	1	<2	17.7	85.68	7.9	33.51	8.0
F18	12 Nov 2021	1019	25	<2	13.1	87.09	7.1	33.39	7.8
F18	12 Nov 2021	1019	60	52	11.8	85.92	5.1	33.60	7.7
F18	12 Nov 2021	1019	80	300e	11.4	86.40	4.4	33.67	7.6
F19	12 Nov 2021	1005	1	<2	17.7	85.21	7.9	33.51	8.0
F19	12 Nov 2021	1005	25	<2	13.4	86.95	7.2	33.39	7.9
F19	12 Nov 2021	1005	60	54	11.8	87.84	5.1	33.60	7.7
F19	12 Nov 2021	1005	80	260e	11.4	86.71	4.4	33.69	7.6
F20	12 Nov 2021	952	1	<2	17.5	83.38	7.9	33.51	8.0
F20	12 Nov 2021	952	25	<2	13.2	87.18	7.1	33.40	7.9
F20	12 Nov 2021	952	60	220e	11.6	87.60	4.7	33.62	7.6
F20	12 Nov 2021	952	80	180e	11.4	86.67	4.3	33.72	7.6
F21	12 Nov 2021	936	1	<2	17.6	85.76	8.0	33.52	8.0
F21	12 Nov 2021	936	25	2e	13.6	87.37	7.1	33.39	7.9
F21	12 Nov 2021	936	60	260e	11.6	87.63	4.8	33.58	7.6
F21	12 Nov 2021	936	80	220e	11.4	87.00	4.4	33.70	7.6
F22	12 Nov 2021	922	1	<2	17.5	85.05	8.1	33.52	8.0
F22	12 Nov 2021	922	25	<2	14.0	86.85	7.2	33.41	7.9
F22	12 Nov 2021	922	60	16e	11.6	88.24	5.4	33.59	7.7
F22	12 Nov 2021	922	80	120e	11.4	86.50	4.4	33.71	7.6
F23	12 Nov 2021	908	1	<2	17.5	82.54	8.2	33.52	8.0
F23	12 Nov 2021	908	25	<2	13.6	86.84	7.0	33.44	7.8
F23	12 Nov 2021	908	60	26e	11.6	88.06	5.2	33.62	7.7
F23	12 Nov 2021	908	80	40e	11.3	84.67	4.2	33.73	7.6
F24	12 Nov 2021	852	1	<2	17.6	84.26	8.3	33.53	8.1
F24	12 Nov 2021	852	25	<2	13.8	87.15	7.1	33.42	7.9
F24	12 Nov 2021	852	60	300e	11.7	87.57	5.1	33.61	7.7
F24	12 Nov 2021	852	80	110	11.3	83.93	4.2	33.75	7.6
F25	12 Nov 2021	840	1	<2	17.6	78.30	8.3	33.53	8.1
F25	12 Nov 2021	840	25	14e	13.3	87.48	7.0	33.41	7.9
F25	12 Nov 2021	840	60	120e	11.7	87.95	5.1	33.61	7.7
F25	12 Nov 2021	840	80	98	11.3	85.12	4.2	33.75	7.6
F26	09 Nov 2021	1238	1	<2	17.9	86.22	7.8	33.47	8.1
F26	09 Nov 2021	1238	25	<2	16.8	85.32	7.9	33.42	8.0

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F26	09 Nov 2021	1238	60	<2	12.0	88.06	5.5	33.55	7.8
F26	09 Nov 2021	1238	80	<2	11.6	87.85	4.4	33.71	7.7
F26	09 Nov 2021	1238	98	<2	11.3	87.42	4.2	33.77	7.6
F27	09 Nov 2021	1223	1	<2	17.8	85.93	7.8	33.48	8.0
F27	09 Nov 2021	1223	25	<2	16.8	85.08	7.9	33.40	8.0
F27	09 Nov 2021	1223	60	<2	12.0	88.06	5.7	33.55	7.8
F27	09 Nov 2021	1223	80	<2	11.6	87.79	4.2	33.74	7.7
F27	09 Nov 2021	1223	98	<2	11.2	87.56	4.0	33.80	7.6
F28	09 Nov 2021	1205	1	<2	17.9	85.90	7.8	33.50	8.1
F28	09 Nov 2021	1205	25	<2	16.8	85.49	7.8	33.44	8.0
F28	09 Nov 2021	1205	60	<2	12.2	88.28	6.0	33.51	7.8
F28	09 Nov 2021	1205	80	<2	11.7	88.10	4.6	33.67	7.7
F28	09 Nov 2021	1205	98	<2	11.3	87.56	4.2	33.76	7.6
F29	09 Nov 2021	1148	1	<2	18.0	86.02	7.8	33.53	8.1
F29	09 Nov 2021	1148	25	<2	17.1	85.63	7.8	33.48	8.0
F29	09 Nov 2021	1148	60	<2	12.2	88.39	6.0	33.50	7.8
F29	09 Nov 2021	1148	80	<2	11.7	88.32	5.2	33.61	7.7
F29	09 Nov 2021	1148	98	<2	11.2	87.62	4.2	33.78	7.6
F30	09 Nov 2021	1112	1	<2	18.1	85.60	7.9	33.55	8.1
F30	09 Nov 2021	1112	25	<2	14.0	86.63	7.6	33.33	8.0
F30	09 Nov 2021	1112	60	<2	12.0	88.15	5.8	33.53	7.8
F30	09 Nov 2021	1112	80	<2	11.5	87.82	4.7	33.68	7.7
F30	09 Nov 2021	1112	98	<2	11.3	86.50	4.4	33.74	7.7
F31	09 Nov 2021	1031	1	<2	18.0	85.50	8.0	33.55	8.1
F31	09 Nov 2021	1031	25	<2	16.7	85.54	7.8	33.52	8.0
F31	09 Nov 2021	1031	60	<2	11.8	88.24	5.6	33.57	7.8
F31	09 Nov 2021	1031	80	140e	11.5	87.57	4.8	33.66	7.7
F31	09 Nov 2021	1031	98	50	11.3	87.43	4.4	33.73	7.7
F32	09 Nov 2021	1013	1	<2	17.7	85.55	8.0	33.53	8.1
F32	09 Nov 2021	1013	25	<2	15.4	85.79	7.6	33.44	8.0
F32	09 Nov 2021	1013	60	92	12.0	88.18	5.7	33.53	7.8
F32	09 Nov 2021	1013	80	660	11.5	85.26	4.5	33.63	7.7
F32	09 Nov 2021	1013	98	2e	11.3	88.35	4.6	33.70	7.7
F33	09 Nov 2021	958	1	<2	17.6	85.65	8.0	33.52	8.1
F33	09 Nov 2021	958	25	<2	15.2	85.73	7.6	33.49	8.0
F33	09 Nov 2021	958	60	<2	12.0	88.13	5.9	33.52	7.8
F33	09 Nov 2021	958	80	82	11.6	87.55	4.9	33.64	7.7
F33	09 Nov 2021	958	98	420	11.3	87.36	4.4	33.71	7.6
F34	09 Nov 2021	939	1	<2	11.0	87.64	3.7	33.89	7.6
F34	09 Nov 2021	939	25	<2	15.4	86.17	7.5	33.46	8.0
F34	09 Nov 2021	939	60	10e	11.9	88.68	5.9	33.52	7.8
F34	09 Nov 2021	939	80	160e	11.5	87.78	4.8	33.65	7.7
F34	09 Nov 2021	939	98	26e	11.1	87.43	3.8	33.85	7.6
F35	09 Nov 2021	913	1	<2	17.8	85.53	7.8	33.51	8.0
F35	09 Nov 2021	913	25	<2	15.4	86.06	7.5	33.46	8.0
F35	09 Nov 2021	913	60	26e	12.0	87.98	6.0	33.51	7.8
F35	09 Nov 2021	913	80	100e	11.5	87.59	4.9	33.66	7.7
F35	09 Nov 2021	913	98	26e	11.1	87.39	3.9	33.84	7.6
F36	09 Nov 2021	856	1	<2	17.8	85.22	7.9	33.49	8.0
F36	09 Nov 2021	856	25	4e	14.6	87.10	7.3	33.41	7.9
F36	09 Nov 2021	856	60	8e	11.8	88.33	5.8	33.53	7.8

<b>Station</b>	<b>Date</b>	<b>Time</b>	<b>Depth</b>	<b>Entero</b>	<b>Temp</b>	<b>XMS</b>	<b>DO</b>	<b>Sal</b>	<b>pH</b>
F36	09 Nov 2021	856	80	180e	11.4	87.66	4.5	33.68	7.7
F36	09 Nov 2021	856	98	10e	11.2	87.77	4.0	33.82	7.6

ns = not sampled

ND = no data

**Table 4.3**

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

Station	Date	Parameter	Value
F01	10 Nov 2021	Depth (m)	20
F01	10 Nov 2021	Arrive Time	1203
F01	10 Nov 2021	Depart Time	1226
F01	10 Nov 2021	Air Temp (C)	16.7
F01	10 Nov 2021	Weather	Clear
F01	10 Nov 2021	Visibility (mi)	14
F01	10 Nov 2021	Wind Speed (kts)	15.1
F01	10 Nov 2021	Wind Dir	NW
F01	10 Nov 2021	Water Color	Green
F01	10 Nov 2021	Wave Ht Low (ft)	4
F01	10 Nov 2021	Wave Period (sec)	8
F01	10 Nov 2021	Sea State	Regular Swell
F01	10 Nov 2021	High Tide (ft)	5.02
F01	10 Nov 2021	High Tide Time	2036
F01	10 Nov 2021	Low Tide (ft)	-0.13
F01	10 Nov 2021	Low Tide Time	430
F01	10 Nov 2021	Comments	none
F02	10 Nov 2021	Depth (m)	20
F02	10 Nov 2021	Arrive Time	837
F02	10 Nov 2021	Depart Time	847
F02	10 Nov 2021	Air Temp (C)	16.7
F02	10 Nov 2021	Weather	Overcast
F02	10 Nov 2021	Visibility (mi)	8
F02	10 Nov 2021	Wind Speed (kts)	3
F02	10 Nov 2021	Wind Dir	N
F02	10 Nov 2021	Water Color	Green
F02	10 Nov 2021	Wave Ht Low (ft)	4
F02	10 Nov 2021	Wave Period (sec)	8
F02	10 Nov 2021	Sea State	Regular Swell
F02	10 Nov 2021	High Tide (ft)	5.02
F02	10 Nov 2021	High Tide Time	2036
F02	10 Nov 2021	Low Tide (ft)	-0.13
F02	10 Nov 2021	Low Tide Time	430
F02	10 Nov 2021	Comments	none
F03	10 Nov 2021	Depth (m)	20
F03	10 Nov 2021	Arrive Time	852
F03	10 Nov 2021	Depart Time	857
F03	10 Nov 2021	Air Temp (C)	16.7
F03	10 Nov 2021	Weather	Overcast
F03	10 Nov 2021	Visibility (mi)	8
F03	10 Nov 2021	Wind Speed (kts)	5.9
F03	10 Nov 2021	Wind Dir	NW
F03	10 Nov 2021	Water Color	Green
F03	10 Nov 2021	Wave Ht Low (ft)	4
F03	10 Nov 2021	Wave Period (sec)	8
F03	10 Nov 2021	Sea State	Regular Swell
F03	10 Nov 2021	High Tide (ft)	5.02
F03	10 Nov 2021	High Tide Time	2036
F03	10 Nov 2021	Low Tide (ft)	-0.13
F03	10 Nov 2021	Low Tide Time	430
F03	10 Nov 2021	Comments	none
F04	10 Nov 2021	Depth (m)	61
F04	10 Nov 2021	Arrive Time	1139



Station	Date	Parameter	Value
F04	10 Nov 2021	Depart Time	1144
F04	10 Nov 2021	Air Temp (C)	17
F04	10 Nov 2021	Weather	Clear
F04	10 Nov 2021	Visibility (mi)	14
F04	10 Nov 2021	Wind Speed (kts)	4.9
F04	10 Nov 2021	Wind Dir	NW
F04	10 Nov 2021	Water Color	Green
F04	10 Nov 2021	Wave Ht Low (ft)	4
F04	10 Nov 2021	Wave Period (sec)	8
F04	10 Nov 2021	Sea State	Regular Swell
F04	10 Nov 2021	High Tide (ft)	5.02
F04	10 Nov 2021	High Tide Time	2036
F04	10 Nov 2021	Low Tide (ft)	-0.13
F04	10 Nov 2021	Low Tide Time	430
F04	10 Nov 2021	Comments	none
F05	10 Nov 2021	Depth (m)	61
F05	10 Nov 2021	Arrive Time	1125
F05	10 Nov 2021	Depart Time	1131
F05	10 Nov 2021	Air Temp (C)	16.9
F05	10 Nov 2021	Weather	Clear
F05	10 Nov 2021	Visibility (mi)	14
F05	10 Nov 2021	Wind Speed (kts)	4.6
F05	10 Nov 2021	Wind Dir	NW
F05	10 Nov 2021	Water Color	Green
F05	10 Nov 2021	Wave Ht Low (ft)	4
F05	10 Nov 2021	Wave Period (sec)	8
F05	10 Nov 2021	Sea State	Regular Swell
F05	10 Nov 2021	High Tide (ft)	5.02
F05	10 Nov 2021	High Tide Time	2036
F05	10 Nov 2021	Low Tide (ft)	-0.13
F05	10 Nov 2021	Low Tide Time	430
F05	10 Nov 2021	Comments	none
F06	10 Nov 2021	Depth (m)	62
F06	10 Nov 2021	Arrive Time	1112
F06	10 Nov 2021	Depart Time	1118
F06	10 Nov 2021	Air Temp (C)	17.1
F06	10 Nov 2021	Weather	Partly Cloudy
F06	10 Nov 2021	Visibility (mi)	14
F06	10 Nov 2021	Wind Speed (kts)	5.9
F06	10 Nov 2021	Wind Dir	W
F06	10 Nov 2021	Water Color	Green
F06	10 Nov 2021	Wave Ht Low (ft)	4
F06	10 Nov 2021	Wave Period (sec)	8
F06	10 Nov 2021	Sea State	Regular Swell
F06	10 Nov 2021	High Tide (ft)	5.02
F06	10 Nov 2021	High Tide Time	2036
F06	10 Nov 2021	Low Tide (ft)	-0.13
F06	10 Nov 2021	Low Tide Time	430
F06	10 Nov 2021	Comments	none
F07	10 Nov 2021	Depth (m)	64
F07	10 Nov 2021	Arrive Time	1055
F07	10 Nov 2021	Depart Time	1110
F07	10 Nov 2021	Air Temp (C)	16.9
F07	10 Nov 2021	Weather	Partly Cloudy
F07	10 Nov 2021	Visibility (mi)	14
F07	10 Nov 2021	Wind Speed (kts)	3.1
F07	10 Nov 2021	Wind Dir	W
F07	10 Nov 2021	Water Color	Green

Station	Date	Parameter	Value
F07	10 Nov 2021	Wave Ht Low (ft)	4
F07	10 Nov 2021	Wave Period (sec)	8
F07	10 Nov 2021	Sea State	Regular Swell
F07	10 Nov 2021	High Tide (ft)	5.02
F07	10 Nov 2021	High Tide Time	2036
F07	10 Nov 2021	Low Tide (ft)	-0.13
F07	10 Nov 2021	Low Tide Time	430
F07	10 Nov 2021	Comments	none
F08	10 Nov 2021	Depth (m)	62
F08	10 Nov 2021	Arrive Time	1040
F08	10 Nov 2021	Depart Time	1046
F08	10 Nov 2021	Air Temp (C)	17
F08	10 Nov 2021	Weather	Partly Cloudy
F08	10 Nov 2021	Visibility (mi)	14
F08	10 Nov 2021	Wind Speed (kts)	3.1
F08	10 Nov 2021	Wind Dir	W
F08	10 Nov 2021	Water Color	Green
F08	10 Nov 2021	Wave Ht Low (ft)	4
F08	10 Nov 2021	Wave Period (sec)	8
F08	10 Nov 2021	Sea State	Regular Swell
F08	10 Nov 2021	High Tide (ft)	5.02
F08	10 Nov 2021	High Tide Time	2036
F08	10 Nov 2021	Low Tide (ft)	-0.13
F08	10 Nov 2021	Low Tide Time	430
F08	10 Nov 2021	Comments	none
F09	10 Nov 2021	Depth (m)	62
F09	10 Nov 2021	Arrive Time	1027
F09	10 Nov 2021	Depart Time	1034
F09	10 Nov 2021	Air Temp (C)	16.9
F09	10 Nov 2021	Weather	Partly Cloudy
F09	10 Nov 2021	Visibility (mi)	14
F09	10 Nov 2021	Wind Speed (kts)	4.5
F09	10 Nov 2021	Wind Dir	W
F09	10 Nov 2021	Water Color	Green
F09	10 Nov 2021	Wave Ht Low (ft)	4
F09	10 Nov 2021	Wave Period (sec)	8
F09	10 Nov 2021	Sea State	Regular Swell
F09	10 Nov 2021	High Tide (ft)	5.02
F09	10 Nov 2021	High Tide Time	2036
F09	10 Nov 2021	Low Tide (ft)	-0.13
F09	10 Nov 2021	Low Tide Time	430
F09	10 Nov 2021	Comments	none
F10	10 Nov 2021	Depth (m)	62
F10	10 Nov 2021	Arrive Time	1014
F10	10 Nov 2021	Depart Time	1020
F10	10 Nov 2021	Air Temp (C)	16.9
F10	10 Nov 2021	Weather	Overcast
F10	10 Nov 2021	Visibility (mi)	14
F10	10 Nov 2021	Wind Speed (kts)	3.9
F10	10 Nov 2021	Wind Dir	SW
F10	10 Nov 2021	Water Color	Greenish-Blue
F10	10 Nov 2021	Wave Ht Low (ft)	4
F10	10 Nov 2021	Wave Period (sec)	8
F10	10 Nov 2021	Sea State	Regular Swell
F10	10 Nov 2021	High Tide (ft)	5.02
F10	10 Nov 2021	High Tide Time	2036
F10	10 Nov 2021	Low Tide (ft)	-0.13
F10	10 Nov 2021	Low Tide Time	430

Station	Date	Parameter	Value
F10	10 Nov 2021	Comments	none
F11	10 Nov 2021	Depth (m)	61
F11	10 Nov 2021	Arrive Time	957
F11	10 Nov 2021	Depart Time	1005
F11	10 Nov 2021	Air Temp (C)	16.8
F11	10 Nov 2021	Weather	Overcast
F11	10 Nov 2021	Visibility (mi)	14
F11	10 Nov 2021	Wind Speed (kts)	2.9
F11	10 Nov 2021	Wind Dir	S
F11	10 Nov 2021	Water Color	Greenish-Blue
F11	10 Nov 2021	Wave Ht Low (ft)	4
F11	10 Nov 2021	Wave Period (sec)	8
F11	10 Nov 2021	Sea State	Regular Swell
F11	10 Nov 2021	High Tide (ft)	5.02
F11	10 Nov 2021	High Tide Time	2036
F11	10 Nov 2021	Low Tide (ft)	-0.13
F11	10 Nov 2021	Low Tide Time	430
F11	10 Nov 2021	Comments	none
F12	10 Nov 2021	Depth (m)	76
F12	10 Nov 2021	Arrive Time	943
F12	10 Nov 2021	Depart Time	951
F12	10 Nov 2021	Air Temp (C)	16.9
F12	10 Nov 2021	Weather	Overcast
F12	10 Nov 2021	Visibility (mi)	14
F12	10 Nov 2021	Wind Speed (kts)	1
F12	10 Nov 2021	Wind Dir	NE
F12	10 Nov 2021	Water Color	Greenish-Blue
F12	10 Nov 2021	Wave Ht Low (ft)	4
F12	10 Nov 2021	Wave Period (sec)	8
F12	10 Nov 2021	Sea State	Regular Swell
F12	10 Nov 2021	High Tide (ft)	5.02
F12	10 Nov 2021	High Tide Time	2036
F12	10 Nov 2021	Low Tide (ft)	-0.13
F12	10 Nov 2021	Low Tide Time	430
F12	10 Nov 2021	Comments	none
F13	10 Nov 2021	Depth (m)	76
F13	10 Nov 2021	Arrive Time	925
F13	10 Nov 2021	Depart Time	932
F13	10 Nov 2021	Air Temp (C)	16.9
F13	10 Nov 2021	Weather	Overcast
F13	10 Nov 2021	Visibility (mi)	14
F13	10 Nov 2021	Wind Speed (kts)	3
F13	10 Nov 2021	Wind Dir	NW
F13	10 Nov 2021	Water Color	Greenish-Blue
F13	10 Nov 2021	Wave Ht Low (ft)	4
F13	10 Nov 2021	Wave Period (sec)	8
F13	10 Nov 2021	Sea State	Regular Swell
F13	10 Nov 2021	High Tide (ft)	5.02
F13	10 Nov 2021	High Tide Time	2036
F13	10 Nov 2021	Low Tide (ft)	-0.13
F13	10 Nov 2021	Low Tide Time	430
F13	10 Nov 2021	Comments	OA samples- 19019-1m; 19020 -60m
F14	10 Nov 2021	Depth (m)	
F14	10 Nov 2021	Arrive Time	910
F14	10 Nov 2021	Depart Time	917
F14	10 Nov 2021	Air Temp (C)	16.8
F14	10 Nov 2021	Weather	Overcast

Station	Date	Parameter	Value
F14	10 Nov 2021	Visibility (mi)	14
F14	10 Nov 2021	Wind Speed (kts)	4.6
F14	10 Nov 2021	Wind Dir	W
F14	10 Nov 2021	Water Color	Greenish-Blue
F14	10 Nov 2021	Wave Ht Low (ft)	4
F14	10 Nov 2021	Wave Period (sec)	8
F14	10 Nov 2021	Sea State	Regular Swell
F14	10 Nov 2021	High Tide (ft)	5.02
F14	10 Nov 2021	High Tide Time	2036
F14	10 Nov 2021	Low Tide (ft)	-0.13
F14	10 Nov 2021	Low Tide Time	430
F14	10 Nov 2021	Comments	none
F15	12 Nov 2021	Depth (m)	152
F15	12 Nov 2021	Arrive Time	1112
F15	12 Nov 2021	Depart Time	1125
F15	12 Nov 2021	Air Temp (C)	20.7
F15	12 Nov 2021	Weather	Clear
F15	12 Nov 2021	Visibility (mi)	10
F15	12 Nov 2021	Wind Speed (kts)	8.1
F15	12 Nov 2021	Wind Dir	NW
F15	12 Nov 2021	Water Color	Blue
F15	12 Nov 2021	Wave Ht Low (ft)	3.9
F15	12 Nov 2021	Wave Period (sec)	8.8
F15	12 Nov 2021	Sea State	Calm
F15	12 Nov 2021	High Tide (ft)	4.43
F15	12 Nov 2021	High Tide Time	2342
F15	12 Nov 2021	Low Tide (ft)	0.16
F15	12 Nov 2021	Low Tide Time	648
F15	12 Nov 2021	Comments	OA Bottle: 19021 [1m, Niskin 6], 19022 [60m Niskin 5]
F16	12 Nov 2021	Depth (m)	82
F16	12 Nov 2021	Arrive Time	1057
F16	12 Nov 2021	Depart Time	1111
F16	12 Nov 2021	Air Temp (C)	19.7
F16	12 Nov 2021	Weather	Clear
F16	12 Nov 2021	Visibility (mi)	10
F16	12 Nov 2021	Wind Speed (kts)	6
F16	12 Nov 2021	Wind Dir	NW
F16	12 Nov 2021	Water Color	Blue
F16	12 Nov 2021	Wave Ht Low (ft)	3.9
F16	12 Nov 2021	Wave Period (sec)	8.8
F16	12 Nov 2021	Sea State	Calm
F16	12 Nov 2021	High Tide (ft)	4.43
F16	12 Nov 2021	High Tide Time	2342
F16	12 Nov 2021	Low Tide (ft)	0.16
F16	12 Nov 2021	Low Tide Time	648
F16	12 Nov 2021	Comments	none
F17	12 Nov 2021	Depth (m)	153
F17	12 Nov 2021	Arrive Time	1034
F17	12 Nov 2021	Depart Time	1047
F17	12 Nov 2021	Air Temp (C)	19
F17	12 Nov 2021	Weather	Clear
F17	12 Nov 2021	Visibility (mi)	10
F17	12 Nov 2021	Wind Speed (kts)	3.9
F17	12 Nov 2021	Wind Dir	NW
F17	12 Nov 2021	Water Color	Blue
F17	12 Nov 2021	Wave Ht Low (ft)	3.9
F17	12 Nov 2021	Wave Period (sec)	8.8
F17	12 Nov 2021	Sea State	Calm

Station	Date	Parameter	Value
F17	12 Nov 2021	High Tide (ft)	4.43
F17	12 Nov 2021	High Tide Time	2342
F17	12 Nov 2021	Low Tide (ft)	0.16
F17	12 Nov 2021	Low Tide Time	648
F17	12 Nov 2021	Comments	none
F18	12 Nov 2021	Depth (m)	81
F18	12 Nov 2021	Arrive Time	1019
F18	12 Nov 2021	Depart Time	1025
F18	12 Nov 2021	Air Temp (C)	19
F18	12 Nov 2021	Weather	Clear
F18	12 Nov 2021	Visibility (mi)	10
F18	12 Nov 2021	Wind Speed (kts)	3.5
F18	12 Nov 2021	Wind Dir	W
F18	12 Nov 2021	Water Color	Blue
F18	12 Nov 2021	Wave Ht Low (ft)	3.9
F18	12 Nov 2021	Wave Period (sec)	8.8
F18	12 Nov 2021	Sea State	Calm
F18	12 Nov 2021	High Tide (ft)	4.43
F18	12 Nov 2021	High Tide Time	2342
F18	12 Nov 2021	Low Tide (ft)	0.16
F18	12 Nov 2021	Low Tide Time	648
F18	12 Nov 2021	Comments	none
F19	12 Nov 2021	Depth (m)	83
F19	12 Nov 2021	Arrive Time	1005
F19	12 Nov 2021	Depart Time	1019
F19	12 Nov 2021	Air Temp (C)	19.2
F19	12 Nov 2021	Weather	Clear
F19	12 Nov 2021	Visibility (mi)	10
F19	12 Nov 2021	Wind Speed (kts)	6.1
F19	12 Nov 2021	Wind Dir	SW
F19	12 Nov 2021	Water Color	Blue
F19	12 Nov 2021	Wave Ht Low (ft)	3.9
F19	12 Nov 2021	Wave Period (sec)	8.8
F19	12 Nov 2021	Sea State	Calm
F19	12 Nov 2021	High Tide (ft)	4.43
F19	12 Nov 2021	High Tide Time	2342
F19	12 Nov 2021	Low Tide (ft)	0.16
F19	12 Nov 2021	Low Tide Time	648
F19	12 Nov 2021	Comments	none
F20	12 Nov 2021	Depth (m)	83
F20	12 Nov 2021	Arrive Time	952
F20	12 Nov 2021	Depart Time	958
F20	12 Nov 2021	Air Temp (C)	19.3
F20	12 Nov 2021	Weather	Clear
F20	12 Nov 2021	Visibility (mi)	10
F20	12 Nov 2021	Wind Speed (kts)	6.8
F20	12 Nov 2021	Wind Dir	SE
F20	12 Nov 2021	Water Color	Blue
F20	12 Nov 2021	Wave Ht Low (ft)	3.9
F20	12 Nov 2021	Wave Period (sec)	8.8
F20	12 Nov 2021	Sea State	Calm
F20	12 Nov 2021	High Tide (ft)	4.43
F20	12 Nov 2021	High Tide Time	2342
F20	12 Nov 2021	Low Tide (ft)	0.16
F20	12 Nov 2021	Low Tide Time	648
F20	12 Nov 2021	Comments	none
F21	12 Nov 2021	Depth (m)	83

Station	Date	Parameter	Value
F21	12 Nov 2021	Arrive Time	936
F21	12 Nov 2021	Depart Time	943
F21	12 Nov 2021	Air Temp (C)	18.8
F21	12 Nov 2021	Weather	Clear
F21	12 Nov 2021	Visibility (mi)	10
F21	12 Nov 2021	Wind Speed (kts)	5.8
F21	12 Nov 2021	Wind Dir	SW
F21	12 Nov 2021	Water Color	Blue
F21	12 Nov 2021	Wave Ht Low (ft)	3.9
F21	12 Nov 2021	Wave Period (sec)	8.8
F21	12 Nov 2021	Sea State	Calm
F21	12 Nov 2021	High Tide (ft)	4.43
F21	12 Nov 2021	High Tide Time	2342
F21	12 Nov 2021	Low Tide (ft)	0.16
F21	12 Nov 2021	Low Tide Time	648
F21	12 Nov 2021	Comments	none
F22	12 Nov 2021	Depth (m)	128
F22	12 Nov 2021	Arrive Time	922
F22	12 Nov 2021	Depart Time	929
F22	12 Nov 2021	Air Temp (C)	18.7
F22	12 Nov 2021	Weather	Clear
F22	12 Nov 2021	Visibility (mi)	10
F22	12 Nov 2021	Wind Speed (kts)	5.6
F22	12 Nov 2021	Wind Dir	NW
F22	12 Nov 2021	Water Color	Blue
F22	12 Nov 2021	Wave Ht Low (ft)	3.9
F22	12 Nov 2021	Wave Period (sec)	8.8
F22	12 Nov 2021	Sea State	Calm
F22	12 Nov 2021	High Tide (ft)	4.43
F22	12 Nov 2021	High Tide Time	2342
F22	12 Nov 2021	Low Tide (ft)	0.16
F22	12 Nov 2021	Low Tide Time	648
F22	12 Nov 2021	Comments	none
F24	12 Nov 2021	Depth (m)	82
F24	12 Nov 2021	Arrive Time	852
F24	12 Nov 2021	Depart Time	900
F24	12 Nov 2021	Air Temp (C)	18
F24	12 Nov 2021	Weather	Clear
F24	12 Nov 2021	Visibility (mi)	10
F24	12 Nov 2021	Wind Speed (kts)	6.8
F24	12 Nov 2021	Wind Dir	NW
F24	12 Nov 2021	Water Color	Blue
F24	12 Nov 2021	Wave Ht Low (ft)	3.9
F24	12 Nov 2021	Wave Period (sec)	8.8
F24	12 Nov 2021	Sea State	Calm
F24	12 Nov 2021	High Tide (ft)	4.43
F24	12 Nov 2021	High Tide Time	2342
F24	12 Nov 2021	Low Tide (ft)	0.16
F24	12 Nov 2021	Low Tide Time	648
F24	12 Nov 2021	Comments	none
F25	12 Nov 2021	Depth (m)	81
F25	12 Nov 2021	Arrive Time	840
F25	12 Nov 2021	Depart Time	844
F25	12 Nov 2021	Air Temp (C)	18.8
F25	12 Nov 2021	Weather	Clear
F25	12 Nov 2021	Visibility (mi)	10
F25	12 Nov 2021	Wind Speed (kts)	0
F25	12 Nov 2021	Wind Dir	SW

Station	Date	Parameter	Value
F25	12 Nov 2021	Water Color	Blue
F25	12 Nov 2021	Wave Ht Low (ft)	3.9
F25	12 Nov 2021	Wave Period (sec)	8.8
F25	12 Nov 2021	Sea State	Calm
F25	12 Nov 2021	High Tide (ft)	4.43
F25	12 Nov 2021	High Tide Time	2342
F25	12 Nov 2021	Low Tide (ft)	0.16
F25	12 Nov 2021	Low Tide Time	648
F25	12 Nov 2021	Comments	none
F26	09 Nov 2021	Depth (m)	99
F26	09 Nov 2021	Arrive Time	1238
F26	09 Nov 2021	Depart Time	1249
F26	09 Nov 2021	Air Temp (C)	16.5
F26	09 Nov 2021	Weather	Partly Cloudy
F26	09 Nov 2021	Visibility (mi)	10
F26	09 Nov 2021	Wind Speed (kts)	13.2
F26	09 Nov 2021	Wind Dir	NW
F26	09 Nov 2021	Water Color	Blue
F26	09 Nov 2021	Wave Ht Low (ft)	5
F26	09 Nov 2021	Wave Period (sec)	15
F26	09 Nov 2021	Sea State	Light Chop
F26	09 Nov 2021	High Tide (ft)	5.61
F26	09 Nov 2021	High Tide Time	1930
F26	09 Nov 2021	Low Tide (ft)	-0.36
F26	09 Nov 2021	Low Tide Time	318
F26	09 Nov 2021	Comments	none
F27	09 Nov 2021	Depth (m)	100
F27	09 Nov 2021	Arrive Time	1223
F27	09 Nov 2021	Depart Time	1231
F27	09 Nov 2021	Air Temp (C)	16.5
F27	09 Nov 2021	Weather	Partly Cloudy
F27	09 Nov 2021	Visibility (mi)	10
F27	09 Nov 2021	Wind Speed (kts)	10.2
F27	09 Nov 2021	Wind Dir	NW
F27	09 Nov 2021	Water Color	Blue
F27	09 Nov 2021	Wave Ht Low (ft)	5
F27	09 Nov 2021	Wave Period (sec)	15
F27	09 Nov 2021	Sea State	Light Chop
F27	09 Nov 2021	High Tide (ft)	5.61
F27	09 Nov 2021	High Tide Time	1930
F27	09 Nov 2021	Low Tide (ft)	-0.36
F27	09 Nov 2021	Low Tide Time	318
F27	09 Nov 2021	Comments	none
F28	09 Nov 2021	Depth (m)	154
F28	09 Nov 2021	Arrive Time	1205
F28	09 Nov 2021	Depart Time	1216
F28	09 Nov 2021	Air Temp (C)	16.5
F28	09 Nov 2021	Weather	Partly Cloudy
F28	09 Nov 2021	Visibility (mi)	9
F28	09 Nov 2021	Wind Speed (kts)	10.6
F28	09 Nov 2021	Wind Dir	NW
F28	09 Nov 2021	Water Color	Blue
F28	09 Nov 2021	Wave Ht Low (ft)	5
F28	09 Nov 2021	Wave Period (sec)	15
F28	09 Nov 2021	Sea State	Light Chop
F28	09 Nov 2021	High Tide (ft)	5.61
F28	09 Nov 2021	High Tide Time	1930
F28	09 Nov 2021	Low Tide (ft)	-0.36

Station	Date	Parameter	Value
F28	09 Nov 2021	Low Tide Time	318
F28	09 Nov 2021	Comments	none
F29	09 Nov 2021	Depth (m)	100
F29	09 Nov 2021	Arrive Time	1148
F29	09 Nov 2021	Depart Time	1156
F29	09 Nov 2021	Air Temp (C)	16.7
F29	09 Nov 2021	Weather	Partly Cloudy
F29	09 Nov 2021	Visibility (mi)	9
F29	09 Nov 2021	Wind Speed (kts)	8
F29	09 Nov 2021	Wind Dir	NW
F29	09 Nov 2021	Water Color	Blue
F29	09 Nov 2021	Wave Ht Low (ft)	5
F29	09 Nov 2021	Wave Period (sec)	15
F29	09 Nov 2021	Sea State	Light Chop
F29	09 Nov 2021	High Tide (ft)	5.61
F29	09 Nov 2021	High Tide Time	1930
F29	09 Nov 2021	Low Tide (ft)	-0.36
F29	09 Nov 2021	Low Tide Time	318
F29	09 Nov 2021	Comments	none
F30	09 Nov 2021	Depth (m)	99
F30	09 Nov 2021	Arrive Time	1121
F30	09 Nov 2021	Depart Time	1144
F30	09 Nov 2021	Air Temp (C)	16.3
F30	09 Nov 2021	Weather	Partly Cloudy
F30	09 Nov 2021	Visibility (mi)	9
F30	09 Nov 2021	Wind Speed (kts)	9.2
F30	09 Nov 2021	Wind Dir	NW
F30	09 Nov 2021	Water Color	Blue
F30	09 Nov 2021	Wave Ht Low (ft)	5
F30	09 Nov 2021	Wave Period (sec)	15
F30	09 Nov 2021	Sea State	Light Chop
F30	09 Nov 2021	High Tide (ft)	5.61
F30	09 Nov 2021	High Tide Time	1930
F30	09 Nov 2021	Low Tide (ft)	-0.36
F30	09 Nov 2021	Low Tide Time	318
F30	09 Nov 2021	Comments	OA Samples CTD bottle #1-98m-19015 CTD bottle #2-98Dup-19016 CTD bottle #4-60m-19017 CTD bottle #6-1m-19018
F31	09 Nov 2021	Depth (m)	99
F31	09 Nov 2021	Arrive Time	1031
F31	09 Nov 2021	Depart Time	1040
F31	09 Nov 2021	Air Temp (C)	16.6
F31	09 Nov 2021	Weather	Partly Cloudy
F31	09 Nov 2021	Visibility (mi)	9
F31	09 Nov 2021	Wind Speed (kts)	4.5
F31	09 Nov 2021	Wind Dir	N
F31	09 Nov 2021	Water Color	Blue
F31	09 Nov 2021	Wave Ht Low (ft)	5
F31	09 Nov 2021	Wave Period (sec)	15
F31	09 Nov 2021	Sea State	Light Chop
F31	09 Nov 2021	High Tide (ft)	5.61
F31	09 Nov 2021	High Tide Time	1930
F31	09 Nov 2021	Low Tide (ft)	-0.36
F31	09 Nov 2021	Low Tide Time	318
F31	09 Nov 2021	Comments	none
F32	09 Nov 2021	Depth (m)	101
F32	09 Nov 2021	Arrive Time	1013
F32	09 Nov 2021	Depart Time	1022



Station	Date	Parameter	Value
F32	09 Nov 2021	Air Temp (C)	16.4
F32	09 Nov 2021	Weather	Partly Cloudy
F32	09 Nov 2021	Visibility (mi)	9
F32	09 Nov 2021	Wind Speed (kts)	5.2
F32	09 Nov 2021	Wind Dir	N
F32	09 Nov 2021	Water Color	Blue
F32	09 Nov 2021	Wave Ht Low (ft)	5
F32	09 Nov 2021	Wave Period (sec)	15
F32	09 Nov 2021	Sea State	Light Chop
F32	09 Nov 2021	High Tide (ft)	5.61
F32	09 Nov 2021	High Tide Time	1930
F32	09 Nov 2021	Low Tide (ft)	-0.36
F32	09 Nov 2021	Low Tide Time	318
F32	09 Nov 2021	Comments	none
F33	09 Nov 2021	Depth (m)	102
F33	09 Nov 2021	Arrive Time	958
F33	09 Nov 2021	Depart Time	1006
F33	09 Nov 2021	Air Temp (C)	17.1
F33	09 Nov 2021	Weather	Partly Cloudy
F33	09 Nov 2021	Visibility (mi)	8
F33	09 Nov 2021	Wind Speed (kts)	5.6
F33	09 Nov 2021	Wind Dir	N
F33	09 Nov 2021	Water Color	Blue
F33	09 Nov 2021	Wave Ht Low (ft)	5
F33	09 Nov 2021	Wave Period (sec)	15
F33	09 Nov 2021	Sea State	Light Chop
F33	09 Nov 2021	High Tide (ft)	5.61
F33	09 Nov 2021	High Tide Time	1930
F33	09 Nov 2021	Low Tide (ft)	-0.36
F33	09 Nov 2021	Low Tide Time	318
F33	09 Nov 2021	Comments	none
F34	09 Nov 2021	Depth (m)	152
F34	09 Nov 2021	Arrive Time	939
F34	09 Nov 2021	Depart Time	950
F34	09 Nov 2021	Air Temp (C)	16.1
F34	09 Nov 2021	Weather	Partly Cloudy
F34	09 Nov 2021	Visibility (mi)	8
F34	09 Nov 2021	Wind Speed (kts)	5.7
F34	09 Nov 2021	Wind Dir	NE
F34	09 Nov 2021	Water Color	Blue
F34	09 Nov 2021	Wave Ht Low (ft)	5
F34	09 Nov 2021	Wave Period (sec)	15
F34	09 Nov 2021	Sea State	Light Chop
F34	09 Nov 2021	High Tide (ft)	5.61
F34	09 Nov 2021	High Tide Time	1930
F34	09 Nov 2021	Low Tide (ft)	-0.36
F34	09 Nov 2021	Low Tide Time	318
F34	09 Nov 2021	Comments	none
F35	09 Nov 2021	Depth (m)	101
F35	09 Nov 2021	Arrive Time	913
F35	09 Nov 2021	Depart Time	934
F35	09 Nov 2021	Air Temp (C)	16.1
F35	09 Nov 2021	Weather	Partly Cloudy
F35	09 Nov 2021	Visibility (mi)	8
F35	09 Nov 2021	Wind Speed (kts)	5.7
F35	09 Nov 2021	Wind Dir	NE
F35	09 Nov 2021	Water Color	Blue
F35	09 Nov 2021	Wave Ht Low (ft)	5

Station	Date	Parameter	Value
F35	09 Nov 2021	Wave Period (sec)	15
F35	09 Nov 2021	Sea State	Light Chop
F35	09 Nov 2021	High Tide (ft)	5.61
F35	09 Nov 2021	High Tide Time	1930
F35	09 Nov 2021	Low Tide (ft)	-0.36
F35	09 Nov 2021	Low Tide Time	318
F35	09 Nov 2021	Comments	OA Sample Bottles 1m 19006 33m 19007 100m 19008 100m dup 19009
F36	09 Nov 2021	Depth (m)	101
F36	09 Nov 2021	Arrive Time	856
F36	09 Nov 2021	Depart Time	905
F36	09 Nov 2021	Air Temp (C)	16
F36	09 Nov 2021	Weather	Partly Cloudy
F36	09 Nov 2021	Visibility (mi)	8
F36	09 Nov 2021	Wind Speed (kts)	4.7
F36	09 Nov 2021	Wind Dir	NE
F36	09 Nov 2021	Water Color	Blue
F36	09 Nov 2021	Wave Ht Low (ft)	5
F36	09 Nov 2021	Wave Period (sec)	15
F36	09 Nov 2021	Sea State	Light Chop
F36	09 Nov 2021	High Tide (ft)	5.61
F36	09 Nov 2021	High Tide Time	1930
F36	09 Nov 2021	Low Tide (ft)	-0.36
F36	09 Nov 2021	Low Tide Time	318
F36	09 Nov 2021	Comments	none

**Table 4.4**

Summary of CTD profile data from the PLOO offshore stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F01	10 Nov 2021	1	17.29	80.05	8.0	33.51	8.0	24.3	1.19
F01	10 Nov 2021	2	17.27	79.35	8.0	33.51	8.0	24.3	1.19
F01	10 Nov 2021	3	17.24	79.36	8.0	33.52	8.0	24.3	1.24
F01	10 Nov 2021	4	16.99	79.43	8.0	33.54	8.0	24.4	1.37
F01	10 Nov 2021	5	16.25	81.44	7.8	33.52	8.0	24.5	1.55
F01	10 Nov 2021	6	15.72	82.63	7.6	33.53	8.0	24.7	1.61
F01	10 Nov 2021	7	14.20	84.33	7.4	33.51	7.9	25.0	1.54
F01	10 Nov 2021	8	13.67	85.60	7.4	33.38	7.9	25.0	1.36
F01	10 Nov 2021	9	13.62	85.95	7.3	33.36	7.9	25.0	1.10
F01	10 Nov 2021	10	13.55	85.97	7.3	33.36	7.9	25.0	0.99
F01	10 Nov 2021	11	13.55	85.87	7.3	33.35	7.9	25.0	1.00
F01	10 Nov 2021	12	13.55	85.90	7.3	33.35	7.9	25.0	0.97
F01	10 Nov 2021	13	13.58	85.86	7.3	33.36	7.9	25.0	0.97
F01	10 Nov 2021	14	13.56	85.75	7.3	33.36	7.9	25.0	0.99
F01	10 Nov 2021	15	13.57	85.65	7.3	33.36	7.9	25.0	1.04
F01	10 Nov 2021	16	13.57	85.39	7.2	33.36	7.9	25.0	1.08
F01	10 Nov 2021	17	13.54	84.67	7.2	33.38	7.9	25.0	1.12
F01	10 Nov 2021	18	13.46	83.72	7.0	33.39	7.8	25.1	1.14
F01	10 Nov 2021	19	13.36	82.89	6.8	33.41	7.8	25.1	1.25
F01	10 Nov 2021	20	13.28	80.82	6.6	33.41	7.8	25.1	1.19
F02	10 Nov 2021	1	16.98	83.08	7.9	33.51	8.0	24.4	1.20
F02	10 Nov 2021	2	16.98	73.20	7.8	33.51	8.0	24.4	1.20
F02	10 Nov 2021	3	16.78	82.76	7.7	33.53	8.0	24.4	1.25
F02	10 Nov 2021	4	16.32	80.79	7.6	33.56	7.9	24.6	1.22
F02	10 Nov 2021	5	16.02	83.45	7.5	33.50	7.9	24.6	1.29
F02	10 Nov 2021	6	16.00	84.16	7.6	33.48	7.9	24.6	1.35
F02	10 Nov 2021	7	16.05	84.17	7.5	33.49	7.9	24.6	1.46
F02	10 Nov 2021	8	15.99	84.03	7.5	33.48	7.9	24.6	1.40
F02	10 Nov 2021	9	16.01	84.02	7.5	33.48	7.9	24.6	1.44
F02	10 Nov 2021	10	15.98	84.18	7.5	33.49	7.9	24.6	1.44
F02	10 Nov 2021	11	15.98	84.12	7.5	33.48	7.9	24.6	1.46
F02	10 Nov 2021	12	15.91	84.06	7.5	33.48	7.9	24.6	1.40
F02	10 Nov 2021	13	15.80	83.97	7.4	33.49	7.9	24.6	1.47
F02	10 Nov 2021	14	15.84	83.98	7.4	33.49	7.9	24.6	1.48
F02	10 Nov 2021	15	15.68	83.97	7.4	33.49	7.9	24.7	1.46
F02	10 Nov 2021	16	15.59	83.80	7.3	33.48	7.9	24.7	1.47
F02	10 Nov 2021	17	15.12	83.84	7.1	33.54	7.9	24.8	1.44
F02	10 Nov 2021	18	14.09	83.81	6.9	33.48	7.8	25.0	1.41
F02	10 Nov 2021	19	13.99	83.64	6.8	33.45	7.8	25.0	1.25
F02	10 Nov 2021	20	13.95	83.38	6.8	33.44	7.8	25.0	1.18
F03	10 Nov 2021	1	17.20	83.46	7.9	33.52	8.0	24.3	1.03
F03	10 Nov 2021	2	17.16	83.42	7.9	33.53	8.0	24.3	1.04
F03	10 Nov 2021	3	17.12	83.07	7.9	33.52	8.0	24.4	1.14
F03	10 Nov 2021	4	17.04	82.70	7.8	33.53	8.0	24.4	1.24
F03	10 Nov 2021	5	17.03	82.43	7.8	33.52	8.0	24.4	1.35
F03	10 Nov 2021	6	17.01	82.43	7.8	33.52	8.0	24.4	1.42
F03	10 Nov 2021	7	17.01	81.99	7.7	33.52	8.0	24.4	1.40
F03	10 Nov 2021	8	17.01	82.02	7.7	33.52	8.0	24.4	1.43
F03	10 Nov 2021	9	17.00	81.89	7.7	33.52	8.0	24.4	1.49
F03	10 Nov 2021	10	17.01	81.51	7.7	33.52	7.9	24.4	1.52
F03	10 Nov 2021	11	17.01	81.46	7.7	33.52	8.0	24.4	1.50
F03	10 Nov 2021	12	16.94	81.60	7.6	33.54	7.9	24.4	1.50
F03	10 Nov 2021	13	16.84	81.11	7.5	33.53	7.9	24.4	1.48
F03	10 Nov 2021	14	16.71	80.66	7.5	33.53	7.9	24.5	1.55

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F03	10 Nov 2021	15	16.40	80.91	7.4	33.56	7.9	24.6	1.58
F03	10 Nov 2021	16	15.65	82.11	7.3	33.54	7.9	24.7	1.44
F03	10 Nov 2021	17	15.14	82.79	7.2	33.53	7.9	24.8	1.39
F03	10 Nov 2021	18	14.38	83.64	7.0	33.53	7.9	25.0	1.37
F03	10 Nov 2021	19	14.13	83.92	6.8	33.46	7.8	25.0	1.32
F04	10 Nov 2021	1	17.76	85.40	7.9	33.52	8.0	24.2	0.61
F04	10 Nov 2021	2	17.76	85.32	8.0	33.53	8.0	24.2	0.62
F04	10 Nov 2021	3	17.64	85.13	7.9	33.54	8.0	24.2	0.60
F04	10 Nov 2021	4	17.57	85.21	8.0	33.53	8.0	24.2	0.61
F04	10 Nov 2021	5	17.58	85.15	8.0	33.52	8.0	24.2	0.64
F04	10 Nov 2021	6	17.54	85.16	7.9	33.52	8.0	24.3	0.65
F04	10 Nov 2021	7	17.54	85.19	8.0	33.52	8.0	24.3	0.69
F04	10 Nov 2021	8	17.52	85.18	7.9	33.52	8.0	24.3	0.81
F04	10 Nov 2021	9	17.49	85.15	7.9	33.52	8.0	24.3	0.78
F04	10 Nov 2021	10	17.44	85.30	7.9	33.52	8.0	24.3	0.87
F04	10 Nov 2021	11	17.18	85.39	7.9	33.54	8.0	24.4	0.92
F04	10 Nov 2021	12	16.90	84.98	7.9	33.52	8.0	24.4	1.02
F04	10 Nov 2021	13	16.04	84.63	7.7	33.55	8.0	24.6	1.08
F04	10 Nov 2021	14	15.00	85.40	7.8	33.41	8.0	24.7	1.26
F04	10 Nov 2021	15	14.85	85.74	7.8	33.37	7.9	24.7	1.33
F04	10 Nov 2021	16	14.68	85.84	7.7	33.39	7.9	24.8	1.37
F04	10 Nov 2021	17	14.07	85.95	7.7	33.38	7.9	24.9	1.43
F04	10 Nov 2021	18	13.95	86.25	7.6	33.35	7.9	24.9	1.42
F04	10 Nov 2021	19	13.75	86.36	7.5	33.37	7.9	25.0	1.40
F04	10 Nov 2021	20	13.58	86.56	7.4	33.35	7.9	25.0	1.42
F04	10 Nov 2021	21	13.44	86.77	7.3	33.37	7.9	25.0	1.43
F04	10 Nov 2021	22	13.31	87.01	7.2	33.37	7.9	25.1	1.34
F04	10 Nov 2021	23	13.32	87.02	7.2	33.38	7.9	25.1	1.25
F04	10 Nov 2021	24	13.29	87.04	7.1	33.38	7.9	25.1	1.25
F04	10 Nov 2021	25	13.23	87.09	7.0	33.39	7.8	25.1	1.22
F04	10 Nov 2021	26	13.12	87.13	7.0	33.41	7.8	25.1	1.27
F04	10 Nov 2021	27	13.09	87.31	6.9	33.41	7.8	25.1	1.27
F04	10 Nov 2021	28	12.90	87.44	6.8	33.42	7.8	25.2	1.21
F04	10 Nov 2021	29	12.89	87.43	6.7	33.42	7.8	25.2	1.24
F04	10 Nov 2021	30	12.82	87.47	6.7	33.43	7.8	25.2	1.18
F04	10 Nov 2021	31	12.81	87.46	6.6	33.43	7.8	25.2	1.12
F04	10 Nov 2021	32	12.76	87.61	6.6	33.44	7.8	25.2	1.06
F04	10 Nov 2021	33	12.72	87.68	6.6	33.44	7.8	25.2	1.02
F04	10 Nov 2021	34	12.67	87.68	6.5	33.44	7.8	25.2	1.01
F04	10 Nov 2021	35	12.65	87.73	6.4	33.44	7.8	25.3	1.02
F04	10 Nov 2021	36	12.64	87.79	6.4	33.44	7.8	25.3	0.99
F04	10 Nov 2021	37	12.59	87.83	6.4	33.45	7.8	25.3	0.95
F04	10 Nov 2021	38	12.57	87.84	6.4	33.45	7.8	25.3	0.94
F04	10 Nov 2021	39	12.55	87.84	6.3	33.45	7.8	25.3	0.96
F04	10 Nov 2021	40	12.53	87.90	6.3	33.45	7.8	25.3	0.92
F04	10 Nov 2021	41	12.41	87.98	6.3	33.48	7.8	25.3	0.87
F04	10 Nov 2021	42	12.27	88.03	6.1	33.50	7.8	25.4	0.85
F04	10 Nov 2021	43	12.21	87.98	6.0	33.50	7.8	25.4	0.80
F04	10 Nov 2021	44	12.21	88.06	5.9	33.50	7.8	25.4	0.77
F04	10 Nov 2021	45	12.20	88.07	5.9	33.50	7.8	25.4	0.73
F04	10 Nov 2021	46	12.19	88.04	5.9	33.50	7.8	25.4	0.69
F04	10 Nov 2021	47	12.19	87.79	5.9	33.51	7.7	25.4	0.70
F04	10 Nov 2021	48	12.15	87.63	5.8	33.51	7.7	25.4	0.69
F04	10 Nov 2021	49	12.13	87.63	5.7	33.52	7.7	25.4	0.68
F04	10 Nov 2021	50	12.11	87.63	5.8	33.52	7.7	25.4	0.68
F04	10 Nov 2021	51	12.10	87.59	5.7	33.52	7.7	25.4	0.66
F04	10 Nov 2021	52	12.09	87.59	5.7	33.52	7.7	25.4	0.65
F04	10 Nov 2021	53	12.10	87.46	5.7	33.52	7.7	25.4	0.64
F04	10 Nov 2021	54	12.09	87.42	5.7	33.52	7.7	25.4	0.64
F04	10 Nov 2021	55	12.10	87.35	5.7	33.52	7.7	25.4	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F04	10 Nov 2021	56	12.10	87.20	5.6	33.52	7.7	25.4	0.63
F04	10 Nov 2021	57	12.08	87.06	5.6	33.53	7.7	25.4	0.63
F04	10 Nov 2021	58	12.01	86.53	5.5	33.55	7.7	25.5	0.64
F04	10 Nov 2021	59	11.96	86.14	5.4	33.56	7.7	25.5	0.61
F04	10 Nov 2021	60	11.94	85.90	5.3	33.56	7.7	25.5	0.60
F04	10 Nov 2021	61	11.93	85.78	5.3	33.56	7.7	25.5	0.59
F05	10 Nov 2021	1	17.73	83.33	8.1	33.53	8.0	24.2	0.79
F05	10 Nov 2021	2	17.68	83.38	8.1	33.54	8.0	24.2	0.78
F05	10 Nov 2021	3	17.61	83.75	8.1	33.54	8.0	24.2	0.78
F05	10 Nov 2021	4	17.58	83.96	8.1	33.53	8.0	24.3	0.75
F05	10 Nov 2021	5	17.56	83.85	8.1	33.53	8.0	24.3	0.77
F05	10 Nov 2021	6	17.54	83.56	8.0	33.53	8.0	24.3	0.80
F05	10 Nov 2021	7	17.52	83.40	8.1	33.53	8.0	24.3	0.92
F05	10 Nov 2021	8	17.44	83.03	8.0	33.54	8.0	24.3	1.00
F05	10 Nov 2021	9	17.03	83.35	7.9	33.57	8.0	24.4	1.09
F05	10 Nov 2021	10	16.20	83.59	7.9	33.52	8.0	24.6	1.23
F05	10 Nov 2021	11	15.70	84.77	7.8	33.47	8.0	24.6	1.45
F05	10 Nov 2021	12	15.32	85.23	7.7	33.43	7.9	24.7	1.57
F05	10 Nov 2021	13	15.08	85.83	7.7	33.40	7.9	24.7	1.62
F05	10 Nov 2021	14	14.21	86.37	7.7	33.35	7.9	24.9	1.52
F05	10 Nov 2021	15	14.07	86.50	7.5	33.37	7.9	24.9	1.44
F05	10 Nov 2021	16	13.83	86.70	7.4	33.40	7.9	25.0	1.30
F05	10 Nov 2021	17	13.63	86.87	7.3	33.39	7.9	25.0	1.27
F05	10 Nov 2021	18	13.50	87.00	7.3	33.38	7.9	25.0	1.21
F05	10 Nov 2021	19	13.44	87.00	7.3	33.37	7.9	25.0	1.21
F05	10 Nov 2021	20	13.32	87.06	7.2	33.37	7.9	25.1	1.14
F05	10 Nov 2021	21	13.19	87.24	7.2	33.38	7.8	25.1	1.17
F05	10 Nov 2021	22	13.17	87.28	7.1	33.38	7.8	25.1	1.20
F05	10 Nov 2021	23	13.06	87.41	6.9	33.41	7.8	25.1	1.15
F05	10 Nov 2021	24	12.97	87.48	6.8	33.42	7.8	25.2	1.13
F05	10 Nov 2021	25	12.89	87.47	6.8	33.42	7.8	25.2	1.11
F05	10 Nov 2021	26	12.86	87.53	6.7	33.42	7.8	25.2	1.06
F05	10 Nov 2021	27	12.82	87.60	6.6	33.43	7.8	25.2	1.05
F05	10 Nov 2021	28	12.78	87.66	6.6	33.43	7.8	25.2	1.07
F05	10 Nov 2021	29	12.77	87.71	6.6	33.43	7.8	25.2	1.05
F05	10 Nov 2021	30	12.76	87.70	6.6	33.43	7.8	25.2	1.02
F05	10 Nov 2021	31	12.74	87.75	6.6	33.43	7.8	25.2	1.02
F05	10 Nov 2021	32	12.69	87.75	6.5	33.44	7.8	25.2	1.05
F05	10 Nov 2021	33	12.67	87.79	6.5	33.44	7.8	25.2	1.02
F05	10 Nov 2021	34	12.64	87.85	6.5	33.45	7.8	25.3	0.99
F05	10 Nov 2021	35	12.58	87.87	6.4	33.45	7.8	25.3	0.96
F05	10 Nov 2021	36	12.53	87.89	6.4	33.45	7.8	25.3	0.93
F05	10 Nov 2021	37	12.52	87.91	6.4	33.45	7.8	25.3	0.94
F05	10 Nov 2021	38	12.45	87.98	6.3	33.46	7.8	25.3	0.89
F05	10 Nov 2021	39	12.40	87.98	6.3	33.47	7.8	25.3	0.89
F05	10 Nov 2021	40	12.35	88.03	6.2	33.47	7.8	25.3	0.86
F05	10 Nov 2021	41	12.32	88.04	6.1	33.48	7.8	25.3	0.85
F05	10 Nov 2021	42	12.29	88.05	6.1	33.48	7.8	25.4	0.79
F05	10 Nov 2021	43	12.28	88.06	6.0	33.48	7.8	25.4	0.77
F05	10 Nov 2021	44	12.26	88.05	6.0	33.49	7.8	25.4	0.76
F05	10 Nov 2021	45	12.27	88.07	6.0	33.49	7.8	25.4	0.74
F05	10 Nov 2021	46	12.21	88.10	6.0	33.50	7.8	25.4	0.71
F05	10 Nov 2021	47	12.19	88.10	5.9	33.50	7.7	25.4	0.74
F05	10 Nov 2021	48	12.19	88.12	5.9	33.50	7.7	25.4	0.69
F05	10 Nov 2021	49	12.13	88.12	5.9	33.52	7.7	25.4	0.71
F05	10 Nov 2021	50	12.08	88.03	5.8	33.52	7.7	25.4	0.69
F05	10 Nov 2021	51	12.07	87.89	5.8	33.52	7.7	25.4	0.66
F05	10 Nov 2021	52	12.06	87.77	5.7	33.52	7.7	25.4	0.64
F05	10 Nov 2021	53	12.05	87.62	5.7	33.53	7.7	25.4	0.64
F05	10 Nov 2021	54	12.04	87.49	5.6	33.53	7.7	25.4	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F05	10 Nov 2021	55	12.03	87.43	5.6	33.53	7.7	25.4	0.62
F05	10 Nov 2021	56	12.03	87.41	5.6	33.53	7.7	25.4	0.62
F05	10 Nov 2021	57	12.01	87.03	5.6	33.54	7.7	25.5	0.62
F05	10 Nov 2021	58	11.97	86.42	5.4	33.55	7.7	25.5	0.71
F05	10 Nov 2021	59	11.95	86.04	5.4	33.56	7.7	25.5	0.62
F05	10 Nov 2021	60	11.96	85.76	5.4	33.56	7.7	25.5	0.60
F05	10 Nov 2021	61	11.95	85.42	5.3	33.56	7.7	25.5	0.59
F06	10 Nov 2021	1	17.64	81.77	8.0	33.53	8.0	24.2	0.98
F06	10 Nov 2021	2	17.58	82.32	8.0	33.54	8.0	24.3	0.99
F06	10 Nov 2021	3	17.47	82.13	8.1	33.54	8.0	24.3	0.98
F06	10 Nov 2021	4	17.42	82.12	8.1	33.53	8.0	24.3	1.01
F06	10 Nov 2021	5	17.39	82.08	8.0	33.53	8.0	24.3	1.08
F06	10 Nov 2021	6	17.37	82.10	8.0	33.53	8.0	24.3	1.31
F06	10 Nov 2021	7	17.31	82.06	8.0	33.54	8.0	24.3	1.41
F06	10 Nov 2021	8	16.80	82.21	7.9	33.59	8.0	24.5	1.46
F06	10 Nov 2021	9	16.27	83.16	7.8	33.50	8.0	24.5	1.57
F06	10 Nov 2021	10	15.52	84.61	7.7	33.54	8.0	24.7	1.68
F06	10 Nov 2021	11	14.81	85.68	7.6	33.44	7.9	24.8	1.83
F06	10 Nov 2021	12	14.39	85.87	7.5	33.42	7.9	24.9	1.75
F06	10 Nov 2021	13	14.06	86.33	7.5	33.37	7.9	24.9	1.57
F06	10 Nov 2021	14	13.86	86.70	7.6	33.34	7.9	24.9	1.50
F06	10 Nov 2021	15	13.72	86.79	7.5	33.34	7.9	25.0	1.45
F06	10 Nov 2021	16	13.61	86.90	7.4	33.39	7.9	25.0	1.31
F06	10 Nov 2021	17	13.35	87.18	7.1	33.41	7.8	25.1	1.27
F06	10 Nov 2021	18	13.37	87.23	7.1	33.40	7.8	25.1	1.19
F06	10 Nov 2021	19	13.20	87.30	7.0	33.41	7.8	25.1	1.18
F06	10 Nov 2021	20	13.16	87.35	6.9	33.41	7.8	25.1	1.12
F06	10 Nov 2021	21	13.14	87.38	6.9	33.42	7.8	25.1	1.08
F06	10 Nov 2021	22	12.94	87.52	6.8	33.42	7.8	25.2	1.08
F06	10 Nov 2021	23	12.87	87.67	6.8	33.43	7.8	25.2	1.07
F06	10 Nov 2021	24	12.74	87.77	6.6	33.44	7.8	25.2	1.06
F06	10 Nov 2021	25	12.67	87.85	6.5	33.45	7.8	25.3	1.01
F06	10 Nov 2021	26	12.65	87.89	6.5	33.45	7.8	25.3	0.94
F06	10 Nov 2021	27	12.63	87.92	6.5	33.45	7.8	25.3	0.90
F06	10 Nov 2021	28	12.60	87.93	6.4	33.45	7.8	25.3	0.91
F06	10 Nov 2021	29	12.58	87.95	6.4	33.45	7.8	25.3	1.06
F06	10 Nov 2021	30	12.55	87.99	6.4	33.46	7.8	25.3	1.05
F06	10 Nov 2021	31	12.51	88.03	6.3	33.46	7.8	25.3	0.93
F06	10 Nov 2021	32	12.46	88.03	6.3	33.46	7.8	25.3	0.87
F06	10 Nov 2021	33	12.42	88.03	6.3	33.47	7.8	25.3	0.84
F06	10 Nov 2021	34	12.40	88.00	6.2	33.47	7.8	25.3	0.96
F06	10 Nov 2021	35	12.38	88.05	6.2	33.47	7.8	25.3	0.80
F06	10 Nov 2021	36	12.38	88.05	6.2	33.47	7.8	25.3	0.78
F06	10 Nov 2021	37	12.34	88.05	6.2	33.48	7.8	25.3	0.79
F06	10 Nov 2021	38	12.32	88.01	6.1	33.48	7.8	25.3	0.78
F06	10 Nov 2021	39	12.28	87.87	6.0	33.49	7.8	25.4	0.77
F06	10 Nov 2021	40	12.25	87.87	6.0	33.49	7.8	25.4	0.79
F06	10 Nov 2021	41	12.23	87.89	6.0	33.50	7.8	25.4	0.78
F06	10 Nov 2021	42	12.18	87.93	5.9	33.51	7.8	25.4	0.74
F06	10 Nov 2021	43	12.11	87.92	5.8	33.52	7.7	25.4	0.73
F06	10 Nov 2021	44	12.09	88.09	5.8	33.52	7.7	25.4	0.69
F06	10 Nov 2021	45	12.08	88.09	5.8	33.52	7.7	25.4	0.67
F06	10 Nov 2021	46	12.07	88.13	5.8	33.52	7.7	25.4	0.65
F06	10 Nov 2021	47	12.05	88.07	5.8	33.52	7.7	25.4	0.64
F06	10 Nov 2021	48	12.04	87.98	5.7	33.52	7.7	25.4	0.63
F06	10 Nov 2021	49	12.03	87.88	5.7	33.53	7.7	25.4	0.65
F06	10 Nov 2021	50	12.02	87.59	5.6	33.53	7.7	25.4	0.63
F06	10 Nov 2021	51	12.01	87.15	5.5	33.54	7.7	25.5	0.61
F06	10 Nov 2021	52	12.00	86.78	5.4	33.55	7.7	25.5	0.61
F06	10 Nov 2021	53	12.00	86.50	5.4	33.55	7.7	25.5	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F06	10 Nov 2021	54	11.99	86.44	5.4	33.55	7.7	25.5	0.60
F06	10 Nov 2021	55	11.98	86.36	5.4	33.55	7.7	25.5	0.60
F06	10 Nov 2021	56	11.97	86.24	5.4	33.56	7.7	25.5	0.59
F06	10 Nov 2021	57	11.95	86.15	5.4	33.56	7.7	25.5	0.58
F06	10 Nov 2021	58	11.94	86.02	5.3	33.56	7.7	25.5	0.58
F06	10 Nov 2021	59	11.94	85.77	5.3	33.56	7.7	25.5	0.58
F06	10 Nov 2021	60	11.94	85.43	5.3	33.56	7.7	25.5	0.58
F06	10 Nov 2021	61	11.94	84.54	5.3	33.56	7.7	25.5	0.57
F06	10 Nov 2021	62	11.94	84.47	5.3	33.56	7.7	25.5	0.79
F07	10 Nov 2021	2	17.45	81.61	8.1	33.52	8.0	24.3	1.18
F07	10 Nov 2021	3	17.42	81.81	8.1	33.53	8.0	24.3	1.20
F07	10 Nov 2021	4	17.37	81.61	8.0	33.53	8.0	24.3	1.22
F07	10 Nov 2021	5	17.31	81.51	8.0	33.53	8.0	24.3	1.26
F07	10 Nov 2021	6	17.30	81.64	8.0	33.53	8.0	24.3	1.46
F07	10 Nov 2021	7	17.23	81.76	8.0	33.53	8.0	24.3	1.55
F07	10 Nov 2021	8	17.10	82.20	7.9	33.53	8.0	24.4	1.68
F07	10 Nov 2021	9	16.87	82.10	7.8	33.52	8.0	24.4	1.73
F07	10 Nov 2021	10	16.58	82.05	7.6	33.53	8.0	24.5	1.81
F07	10 Nov 2021	11	16.11	82.97	7.4	33.49	7.9	24.6	1.84
F07	10 Nov 2021	12	15.10	84.18	7.4	33.51	7.9	24.8	1.86
F07	10 Nov 2021	13	14.48	85.54	7.5	33.41	7.9	24.9	1.78
F07	10 Nov 2021	14	14.64	85.15	7.5	33.36	7.9	24.8	1.61
F07	10 Nov 2021	15	14.14	86.36	7.5	33.36	7.9	24.9	1.57
F07	10 Nov 2021	16	13.84	86.66	7.5	33.37	7.9	25.0	1.47
F07	10 Nov 2021	17	13.48	87.01	7.4	33.33	7.9	25.0	1.39
F07	10 Nov 2021	18	13.50	87.10	7.4	33.33	7.9	25.0	1.29
F07	10 Nov 2021	19	13.45	87.08	7.3	33.35	7.9	25.0	1.17
F07	10 Nov 2021	20	13.42	87.10	7.2	33.37	7.9	25.0	1.16
F07	10 Nov 2021	21	13.40	87.16	7.2	33.37	7.8	25.1	1.21
F07	10 Nov 2021	22	13.36	87.17	7.1	33.38	7.8	25.1	1.22
F07	10 Nov 2021	23	13.34	87.20	7.1	33.38	7.8	25.1	1.16
F07	10 Nov 2021	24	13.32	87.26	7.1	33.39	7.8	25.1	1.16
F07	10 Nov 2021	25	13.24	87.25	7.0	33.40	7.8	25.1	1.14
F07	10 Nov 2021	26	13.15	87.32	7.0	33.39	7.8	25.1	1.16
F07	10 Nov 2021	27	13.12	87.40	6.9	33.40	7.8	25.1	1.10
F07	10 Nov 2021	28	12.92	87.48	6.8	33.41	7.8	25.2	1.10
F07	10 Nov 2021	29	12.86	87.60	6.8	33.41	7.8	25.2	1.12
F07	10 Nov 2021	30	12.77	87.65	6.8	33.41	7.8	25.2	1.07
F07	10 Nov 2021	31	12.71	87.78	6.7	33.41	7.8	25.2	1.00
F07	10 Nov 2021	32	12.65	87.72	6.6	33.42	7.8	25.2	0.94
F07	10 Nov 2021	33	12.61	87.62	6.5	33.43	7.8	25.3	0.89
F07	10 Nov 2021	34	12.53	87.64	6.4	33.44	7.8	25.3	0.88
F07	10 Nov 2021	35	12.51	87.66	6.3	33.45	7.8	25.3	0.86
F07	10 Nov 2021	36	12.49	87.71	6.3	33.45	7.8	25.3	0.86
F07	10 Nov 2021	37	12.43	87.62	6.2	33.46	7.8	25.3	0.82
F07	10 Nov 2021	38	12.42	87.62	6.2	33.46	7.8	25.3	0.82
F07	10 Nov 2021	39	12.39	87.66	6.2	33.47	7.8	25.3	0.83
F07	10 Nov 2021	40	12.35	87.71	6.2	33.47	7.8	25.3	0.82
F07	10 Nov 2021	41	12.34	87.70	6.1	33.47	7.8	25.3	0.80
F07	10 Nov 2021	42	12.34	87.66	6.1	33.47	7.8	25.3	0.78
F07	10 Nov 2021	43	12.32	87.61	6.1	33.48	7.8	25.3	0.78
F07	10 Nov 2021	44	12.29	87.69	6.1	33.48	7.8	25.4	0.76
F07	10 Nov 2021	45	12.28	87.76	6.0	33.48	7.8	25.4	0.76
F07	10 Nov 2021	46	12.25	87.81	6.0	33.49	7.8	25.4	0.74
F07	10 Nov 2021	47	12.21	87.76	5.9	33.50	7.7	25.4	0.74
F07	10 Nov 2021	48	12.20	87.63	5.9	33.50	7.7	25.4	0.72
F07	10 Nov 2021	49	12.20	87.62	5.9	33.50	7.7	25.4	0.69
F07	10 Nov 2021	50	12.17	87.49	5.8	33.51	7.7	25.4	0.68
F07	10 Nov 2021	51	12.16	87.20	5.8	33.51	7.7	25.4	0.68
F07	10 Nov 2021	52	12.16	87.14	5.8	33.51	7.7	25.4	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F07	10 Nov 2021	53	12.16	87.10	5.8	33.51	7.7	25.4	0.70
F07	10 Nov 2021	54	12.16	87.10	5.7	33.51	7.7	25.4	0.69
F07	10 Nov 2021	55	12.16	86.78	5.7	33.51	7.7	25.4	0.68
F07	10 Nov 2021	56	12.14	86.31	5.7	33.52	7.7	25.4	0.69
F07	10 Nov 2021	57	12.11	85.95	5.6	33.52	7.7	25.4	0.68
F07	10 Nov 2021	58	12.10	85.51	5.5	33.53	7.7	25.4	0.67
F07	10 Nov 2021	59	12.09	85.50	5.5	33.53	7.7	25.4	0.65
F07	10 Nov 2021	60	12.07	85.63	5.5	33.54	7.7	25.4	0.67
F07	10 Nov 2021	61	12.06	85.31	5.4	33.54	7.7	25.4	0.64
F07	10 Nov 2021	62	12.03	84.77	5.3	33.55	7.7	25.5	0.64
F07	10 Nov 2021	63	11.99	84.60	5.3	33.56	7.7	25.5	0.62
F07	10 Nov 2021	64	11.94	83.53	5.2	33.57	7.7	25.5	0.66
F08	10 Nov 2021	1	17.38	76.04	8.1	33.54	8.0	24.3	1.80
F08	10 Nov 2021	2	17.30	76.32	8.1	33.54	8.0	24.3	1.75
F08	10 Nov 2021	3	17.18	76.95	8.0	33.53	8.0	24.3	1.77
F08	10 Nov 2021	4	17.12	78.13	8.0	33.53	8.0	24.4	1.84
F08	10 Nov 2021	5	17.10	79.10	7.9	33.52	8.0	24.4	2.02
F08	10 Nov 2021	6	17.03	79.20	7.9	33.53	8.0	24.4	2.09
F08	10 Nov 2021	7	16.99	79.60	7.9	33.52	8.0	24.4	2.31
F08	10 Nov 2021	8	16.96	79.95	7.9	33.52	8.0	24.4	2.51
F08	10 Nov 2021	9	16.82	80.48	7.8	33.52	8.0	24.4	2.51
F08	10 Nov 2021	10	16.72	81.48	7.7	33.52	8.0	24.4	2.52
F08	10 Nov 2021	11	16.45	81.89	7.6	33.52	8.0	24.5	2.27
F08	10 Nov 2021	12	16.22	81.95	7.5	33.52	8.0	24.6	2.15
F08	10 Nov 2021	13	15.94	82.43	7.3	33.51	7.9	24.6	2.04
F08	10 Nov 2021	14	15.21	83.28	7.2	33.53	7.9	24.8	1.82
F08	10 Nov 2021	15	14.66	84.56	7.2	33.45	7.9	24.8	1.69
F08	10 Nov 2021	16	14.32	85.53	7.3	33.41	7.9	24.9	1.60
F08	10 Nov 2021	17	14.11	86.21	7.4	33.37	7.9	24.9	1.58
F08	10 Nov 2021	18	13.85	86.43	7.4	33.36	7.9	24.9	1.49
F08	10 Nov 2021	19	13.67	86.63	7.5	33.33	7.9	25.0	1.46
F08	10 Nov 2021	20	13.63	86.73	7.5	33.33	7.9	25.0	1.36
F08	10 Nov 2021	21	13.54	86.77	7.4	33.32	7.9	25.0	1.30
F08	10 Nov 2021	22	13.50	86.93	7.4	33.32	7.9	25.0	1.25
F08	10 Nov 2021	23	13.49	86.97	7.4	33.33	7.9	25.0	1.22
F08	10 Nov 2021	24	13.37	87.10	7.3	33.34	7.9	25.0	1.20
F08	10 Nov 2021	25	13.31	87.12	7.3	33.35	7.9	25.1	1.23
F08	10 Nov 2021	26	13.24	87.01	7.2	33.36	7.8	25.1	1.19
F08	10 Nov 2021	27	13.03	86.77	7.0	33.38	7.8	25.1	1.15
F08	10 Nov 2021	28	12.99	86.80	6.9	33.39	7.8	25.1	1.17
F08	10 Nov 2021	29	12.95	86.74	6.7	33.40	7.8	25.2	1.09
F08	10 Nov 2021	30	12.94	86.61	6.7	33.41	7.8	25.2	1.06
F08	10 Nov 2021	31	12.80	86.31	6.6	33.43	7.8	25.2	1.03
F08	10 Nov 2021	32	12.73	85.21	6.4	33.44	7.8	25.2	1.00
F08	10 Nov 2021	33	12.68	84.24	6.3	33.45	7.8	25.2	0.99
F08	10 Nov 2021	34	12.66	84.07	6.2	33.45	7.8	25.3	0.97
F08	10 Nov 2021	35	12.64	84.73	6.2	33.45	7.8	25.3	0.95
F08	10 Nov 2021	36	12.62	84.62	6.2	33.45	7.8	25.3	0.92
F08	10 Nov 2021	37	12.57	84.32	6.1	33.46	7.8	25.3	0.92
F08	10 Nov 2021	38	12.54	83.63	6.1	33.46	7.8	25.3	0.88
F08	10 Nov 2021	39	12.54	83.39	6.0	33.46	7.8	25.3	0.86
F08	10 Nov 2021	40	12.54	83.30	6.0	33.46	7.8	25.3	0.85
F08	10 Nov 2021	41	12.48	83.61	6.0	33.48	7.8	25.3	0.84
F08	10 Nov 2021	42	12.44	83.80	6.0	33.48	7.8	25.3	0.86
F08	10 Nov 2021	43	12.41	84.01	5.9	33.48	7.7	25.3	0.81
F08	10 Nov 2021	44	12.40	84.22	5.9	33.48	7.7	25.3	0.78
F08	10 Nov 2021	45	12.38	84.17	5.9	33.49	7.7	25.3	0.74
F08	10 Nov 2021	46	12.36	84.59	5.8	33.49	7.7	25.3	0.74
F08	10 Nov 2021	47	12.35	84.84	5.8	33.49	7.7	25.3	0.72
F08	10 Nov 2021	48	12.34	85.06	5.8	33.49	7.7	25.4	0.70



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F08	10 Nov 2021	49	12.31	85.54	5.8	33.49	7.7	25.4	0.70
F08	10 Nov 2021	50	12.29	86.09	5.8	33.49	7.7	25.4	0.69
F08	10 Nov 2021	51	12.26	86.02	5.8	33.50	7.7	25.4	0.68
F08	10 Nov 2021	52	12.25	86.03	5.8	33.50	7.7	25.4	0.65
F08	10 Nov 2021	53	12.22	84.94	5.7	33.51	7.7	25.4	0.65
F08	10 Nov 2021	54	12.17	84.57	5.6	33.52	7.7	25.4	0.67
F08	10 Nov 2021	55	12.14	84.38	5.5	33.53	7.7	25.4	0.62
F08	10 Nov 2021	56	12.14	84.31	5.5	33.53	7.7	25.4	0.61
F08	10 Nov 2021	57	12.14	84.20	5.5	33.53	7.7	25.4	0.58
F08	10 Nov 2021	58	12.12	83.81	5.5	33.53	7.7	25.4	0.58
F08	10 Nov 2021	59	12.11	83.29	5.4	33.53	7.7	25.4	0.57
F08	10 Nov 2021	60	12.08	82.73	5.3	33.54	7.7	25.4	0.56
F08	10 Nov 2021	61	12.05	81.94	5.3	33.55	7.7	25.4	0.56
F09	10 Nov 2021	1	17.18	75.65	8.0	33.53	8.0	24.3	2.03
F09	10 Nov 2021	2	17.10	77.44	8.0	33.53	8.0	24.4	2.06
F09	10 Nov 2021	3	17.02	78.87	7.9	33.52	8.0	24.4	1.97
F09	10 Nov 2021	4	16.99	80.53	7.9	33.52	8.0	24.4	1.88
F09	10 Nov 2021	5	16.92	81.59	7.8	33.52	8.0	24.4	1.88
F09	10 Nov 2021	6	16.89	82.15	7.8	33.51	8.0	24.4	1.85
F09	10 Nov 2021	7	16.85	82.27	7.8	33.52	8.0	24.4	1.77
F09	10 Nov 2021	8	16.81	81.98	7.8	33.51	8.0	24.4	1.77
F09	10 Nov 2021	9	16.68	81.31	7.7	33.52	8.0	24.5	1.84
F09	10 Nov 2021	10	16.65	81.84	7.7	33.51	8.0	24.5	1.95
F09	10 Nov 2021	11	16.43	81.92	7.7	33.52	8.0	24.5	2.04
F09	10 Nov 2021	12	16.34	82.16	7.6	33.51	8.0	24.5	2.03
F09	10 Nov 2021	13	15.87	82.51	7.5	33.52	7.9	24.6	2.10
F09	10 Nov 2021	14	15.58	82.73	7.3	33.50	7.9	24.7	1.96
F09	10 Nov 2021	15	15.12	83.54	7.2	33.48	7.9	24.8	1.80
F09	10 Nov 2021	16	14.81	84.23	7.1	33.47	7.9	24.8	1.63
F09	10 Nov 2021	17	14.57	84.76	7.1	33.44	7.9	24.9	1.55
F09	10 Nov 2021	18	14.57	84.91	7.1	33.43	7.9	24.9	1.50
F09	10 Nov 2021	19	14.44	85.12	7.2	33.43	7.9	24.9	1.56
F09	10 Nov 2021	20	14.29	85.79	7.3	33.39	7.9	24.9	1.49
F09	10 Nov 2021	21	13.71	86.52	7.4	33.38	7.9	25.0	1.51
F09	10 Nov 2021	22	13.56	86.78	7.4	33.34	7.9	25.0	1.38
F09	10 Nov 2021	23	13.47	86.76	7.4	33.33	7.9	25.0	1.32
F09	10 Nov 2021	24	13.50	86.81	7.4	33.34	7.9	25.0	1.25
F09	10 Nov 2021	25	13.42	86.78	7.3	33.34	7.9	25.0	1.23
F09	10 Nov 2021	26	13.38	86.66	7.3	33.34	7.9	25.0	1.20
F09	10 Nov 2021	27	13.30	86.86	7.3	33.35	7.8	25.1	1.19
F09	10 Nov 2021	28	13.18	86.89	7.2	33.36	7.8	25.1	1.21
F09	10 Nov 2021	29	13.13	85.23	7.0	33.37	7.8	25.1	1.20
F09	10 Nov 2021	30	13.06	83.64	6.8	33.39	7.8	25.1	1.20
F09	10 Nov 2021	31	13.05	82.91	6.7	33.40	7.8	25.1	1.29
F09	10 Nov 2021	32	13.05	82.89	6.6	33.40	7.8	25.1	1.32
F09	10 Nov 2021	33	13.02	82.69	6.6	33.41	7.8	25.2	1.24
F09	10 Nov 2021	34	12.94	82.71	6.6	33.41	7.8	25.2	1.22
F09	10 Nov 2021	35	12.95	84.27	6.6	33.41	7.8	25.2	1.20
F09	10 Nov 2021	36	12.86	85.03	6.6	33.41	7.8	25.2	1.21
F09	10 Nov 2021	37	12.80	84.35	6.5	33.42	7.8	25.2	1.15
F09	10 Nov 2021	38	12.71	82.35	6.3	33.44	7.8	25.2	1.10
F09	10 Nov 2021	39	12.68	82.29	6.2	33.44	7.8	25.2	1.05
F09	10 Nov 2021	40	12.67	82.00	6.2	33.44	7.8	25.2	1.05
F09	10 Nov 2021	41	12.67	82.03	6.2	33.44	7.8	25.2	1.01
F09	10 Nov 2021	42	12.66	82.07	6.2	33.44	7.8	25.3	0.98
F09	10 Nov 2021	43	12.64	81.92	6.2	33.44	7.8	25.3	0.98
F09	10 Nov 2021	44	12.62	82.46	6.2	33.44	7.8	25.3	0.97
F09	10 Nov 2021	45	12.61	82.81	6.2	33.45	7.8	25.3	0.96
F09	10 Nov 2021	46	12.56	83.29	6.2	33.45	7.8	25.3	0.93
F09	10 Nov 2021	47	12.53	84.41	6.2	33.46	7.8	25.3	0.89

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F09	10 Nov 2021	48	12.50	84.41	6.1	33.46	7.8	25.3	0.85
F09	10 Nov 2021	49	12.44	84.11	6.0	33.47	7.7	25.3	0.82
F09	10 Nov 2021	50	12.41	84.14	5.9	33.48	7.7	25.3	0.78
F09	10 Nov 2021	51	12.38	84.05	5.9	33.48	7.7	25.3	0.75
F09	10 Nov 2021	52	12.37	84.01	5.9	33.48	7.7	25.3	0.74
F09	10 Nov 2021	53	12.34	83.03	5.8	33.49	7.7	25.4	0.71
F09	10 Nov 2021	54	12.26	83.49	5.7	33.50	7.7	25.4	0.69
F09	10 Nov 2021	55	12.21	84.02	5.6	33.51	7.7	25.4	0.66
F09	10 Nov 2021	56	12.18	83.31	5.6	33.52	7.7	25.4	0.63
F09	10 Nov 2021	57	12.11	83.11	5.5	33.53	7.7	25.4	0.61
F09	10 Nov 2021	58	12.08	83.04	5.4	33.53	7.7	25.4	0.57
F09	10 Nov 2021	59	12.08	83.37	5.4	33.53	7.7	25.4	0.55
F09	10 Nov 2021	60	12.07	82.76	5.4	33.54	7.7	25.4	0.53
F09	10 Nov 2021	61	12.07	82.03	5.4	33.54	7.7	25.4	0.54
F09	10 Nov 2021	62	12.06	81.60	5.3	33.54	7.7	25.4	0.53
F10	10 Nov 2021	1	17.13	82.10	7.9	33.52	8.0	24.4	1.46
F10	10 Nov 2021	2	17.11	81.90	8.0	33.52	8.0	24.4	1.46
F10	10 Nov 2021	3	17.05	81.85	7.9	33.52	8.0	24.4	1.50
F10	10 Nov 2021	4	17.05	81.76	7.9	33.52	8.0	24.4	1.61
F10	10 Nov 2021	5	17.04	81.85	7.9	33.52	8.0	24.4	1.77
F10	10 Nov 2021	6	17.02	82.19	7.9	33.52	8.0	24.4	1.83
F10	10 Nov 2021	7	16.99	82.57	7.9	33.52	8.0	24.4	1.86
F10	10 Nov 2021	8	16.98	83.00	7.9	33.52	8.0	24.4	1.82
F10	10 Nov 2021	9	16.93	82.89	7.9	33.51	8.0	24.4	1.79
F10	10 Nov 2021	10	16.91	82.92	7.8	33.51	8.0	24.4	1.87
F10	10 Nov 2021	11	16.89	82.70	7.8	33.51	8.0	24.4	1.86
F10	10 Nov 2021	12	16.86	83.00	7.8	33.51	8.0	24.4	1.83
F10	10 Nov 2021	13	16.83	83.16	7.8	33.51	8.0	24.4	1.91
F10	10 Nov 2021	14	16.48	83.52	7.7	33.54	8.0	24.5	2.00
F10	10 Nov 2021	15	16.03	83.26	7.5	33.52	7.9	24.6	1.91
F10	10 Nov 2021	16	15.43	83.23	7.3	33.51	7.9	24.7	1.89
F10	10 Nov 2021	17	15.11	83.44	7.2	33.48	7.9	24.8	1.84
F10	10 Nov 2021	18	14.86	83.42	7.1	33.49	7.9	24.8	1.64
F10	10 Nov 2021	19	14.39	83.71	7.0	33.46	7.9	24.9	1.51
F10	10 Nov 2021	20	14.27	84.60	6.9	33.43	7.9	24.9	1.39
F10	10 Nov 2021	21	13.97	85.43	7.0	33.43	7.9	25.0	1.35
F10	10 Nov 2021	22	13.59	86.29	7.3	33.37	7.9	25.0	1.26
F10	10 Nov 2021	23	13.45	86.70	7.3	33.34	7.9	25.0	1.24
F10	10 Nov 2021	24	13.41	86.79	7.3	33.34	7.9	25.0	1.17
F10	10 Nov 2021	25	13.31	86.81	7.3	33.34	7.8	25.0	1.14
F10	10 Nov 2021	26	13.28	86.68	7.2	33.35	7.8	25.1	1.13
F10	10 Nov 2021	27	13.24	86.48	7.1	33.35	7.8	25.1	1.14
F10	10 Nov 2021	28	13.21	86.04	7.1	33.36	7.8	25.1	1.15
F10	10 Nov 2021	29	13.21	85.64	7.1	33.37	7.8	25.1	1.20
F10	10 Nov 2021	30	13.10	85.61	7.0	33.38	7.8	25.1	1.18
F10	10 Nov 2021	31	13.07	85.60	6.9	33.38	7.8	25.1	1.17
F10	10 Nov 2021	32	13.03	85.49	6.8	33.39	7.8	25.1	1.13
F10	10 Nov 2021	33	12.93	85.22	6.8	33.40	7.8	25.2	1.13
F10	10 Nov 2021	34	12.89	85.43	6.6	33.41	7.8	25.2	1.40
F10	10 Nov 2021	35	12.89	84.86	6.6	33.41	7.8	25.2	1.12
F10	10 Nov 2021	36	12.90	84.27	6.6	33.41	7.8	25.2	1.10
F10	10 Nov 2021	37	12.90	83.88	6.6	33.41	7.8	25.2	1.09
F10	10 Nov 2021	38	12.86	83.36	6.5	33.42	7.8	25.2	1.07
F10	10 Nov 2021	39	12.81	83.24	6.4	33.42	7.8	25.2	1.08
F10	10 Nov 2021	40	12.79	83.25	6.4	33.43	7.8	25.2	1.07
F10	10 Nov 2021	41	12.70	83.48	6.3	33.44	7.8	25.2	1.06
F10	10 Nov 2021	42	12.65	83.71	6.3	33.44	7.8	25.3	1.01
F10	10 Nov 2021	43	12.59	83.87	6.2	33.45	7.8	25.3	0.98
F10	10 Nov 2021	44	12.52	85.04	6.2	33.46	7.8	25.3	0.92
F10	10 Nov 2021	45	12.48	86.03	6.2	33.46	7.8	25.3	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F10	10 Nov 2021	46	12.47	86.12	6.2	33.46	7.8	25.3	0.78
F10	10 Nov 2021	47	12.46	85.55	6.1	33.46	7.8	25.3	0.75
F10	10 Nov 2021	48	12.40	85.25	6.0	33.48	7.8	25.3	0.74
F10	10 Nov 2021	49	12.35	84.89	5.9	33.48	7.7	25.3	0.72
F10	10 Nov 2021	50	12.34	84.90	5.9	33.49	7.7	25.3	0.69
F10	10 Nov 2021	51	12.32	84.44	5.8	33.49	7.7	25.4	0.70
F10	10 Nov 2021	52	12.32	84.37	5.8	33.49	7.7	25.4	0.72
F10	10 Nov 2021	53	12.31	84.42	5.8	33.49	7.7	25.4	0.66
F10	10 Nov 2021	54	12.30	84.27	5.8	33.49	7.7	25.4	0.64
F10	10 Nov 2021	55	12.28	84.18	5.8	33.50	7.7	25.4	0.68
F10	10 Nov 2021	56	12.27	84.13	5.7	33.50	7.7	25.4	0.64
F10	10 Nov 2021	57	12.27	83.97	5.7	33.50	7.7	25.4	0.63
F10	10 Nov 2021	58	12.23	83.30	5.6	33.51	7.7	25.4	0.61
F10	10 Nov 2021	59	12.21	82.81	5.6	33.51	7.7	25.4	0.63
F10	10 Nov 2021	60	12.19	82.53	5.5	33.52	7.7	25.4	0.61
F10	10 Nov 2021	61	12.18	82.55	5.5	33.52	7.7	25.4	0.59
F10	10 Nov 2021	62	12.10	80.96	5.5	33.53	7.7	25.4	0.62
F11	10 Nov 2021	1	17.41	82.27	8.1	33.52	8.0	24.3	0.78
F11	10 Nov 2021	2	17.43	78.54	8.1	33.53	8.0	24.3	0.76
F11	10 Nov 2021	3	17.44	83.03	8.1	33.53	8.0	24.3	0.83
F11	10 Nov 2021	4	17.42	84.47	8.0	33.53	8.0	24.3	0.91
F11	10 Nov 2021	5	17.16	81.74	8.0	33.53	8.0	24.4	0.91
F11	10 Nov 2021	6	17.21	84.32	8.0	33.52	8.0	24.3	1.09
F11	10 Nov 2021	7	17.09	84.28	7.9	33.52	8.0	24.4	1.09
F11	10 Nov 2021	8	17.09	84.42	7.9	33.52	8.0	24.4	1.19
F11	10 Nov 2021	9	17.04	84.62	7.9	33.51	8.0	24.4	1.26
F11	10 Nov 2021	10	16.94	84.76	7.9	33.52	8.0	24.4	1.26
F11	10 Nov 2021	11	16.90	84.85	7.9	33.51	8.0	24.4	1.30
F11	10 Nov 2021	12	16.87	84.88	7.8	33.51	8.0	24.4	1.34
F11	10 Nov 2021	13	16.70	85.04	7.8	33.52	8.0	24.4	1.27
F11	10 Nov 2021	14	16.62	85.14	7.8	33.50	8.0	24.5	1.37
F11	10 Nov 2021	15	16.05	85.12	7.7	33.50	8.0	24.6	1.42
F11	10 Nov 2021	16	15.84	84.98	7.6	33.48	7.9	24.6	1.51
F11	10 Nov 2021	17	15.77	84.40	7.5	33.47	7.9	24.6	1.65
F11	10 Nov 2021	18	15.43	83.90	7.3	33.48	7.9	24.7	1.62
F11	10 Nov 2021	19	15.17	83.94	7.2	33.47	7.9	24.8	1.69
F11	10 Nov 2021	20	14.98	84.01	7.2	33.46	7.9	24.8	1.65
F11	10 Nov 2021	21	15.02	84.08	7.2	33.45	7.9	24.8	1.57
F11	10 Nov 2021	22	14.70	84.06	7.1	33.46	7.9	24.9	1.57
F11	10 Nov 2021	23	14.44	84.17	7.0	33.45	7.9	24.9	1.51
F11	10 Nov 2021	24	14.25	84.60	7.0	33.43	7.9	24.9	1.38
F11	10 Nov 2021	25	14.01	85.29	7.0	33.44	7.8	25.0	1.29
F11	10 Nov 2021	26	13.73	86.24	7.1	33.39	7.8	25.0	1.26
F11	10 Nov 2021	27	13.49	86.63	7.2	33.37	7.8	25.0	1.22
F11	10 Nov 2021	28	13.38	87.05	7.3	33.35	7.8	25.0	1.14
F11	10 Nov 2021	29	13.30	86.95	7.2	33.35	7.8	25.1	1.07
F11	10 Nov 2021	30	13.27	86.94	7.2	33.34	7.8	25.1	1.06
F11	10 Nov 2021	31	13.26	86.85	7.2	33.34	7.8	25.1	1.04
F11	10 Nov 2021	32	13.20	86.75	7.2	33.35	7.8	25.1	1.05
F11	10 Nov 2021	33	13.18	86.42	7.1	33.36	7.8	25.1	1.04
F11	10 Nov 2021	34	13.18	86.16	7.0	33.37	7.8	25.1	1.03
F11	10 Nov 2021	35	13.16	85.83	6.9	33.38	7.8	25.1	1.04
F11	10 Nov 2021	36	13.03	85.47	6.8	33.40	7.8	25.1	1.01
F11	10 Nov 2021	37	12.91	84.68	6.6	33.41	7.8	25.2	1.00
F11	10 Nov 2021	38	12.90	84.21	6.5	33.41	7.8	25.2	1.02
F11	10 Nov 2021	39	12.79	83.44	6.4	33.43	7.8	25.2	1.00
F11	10 Nov 2021	40	12.73	83.21	6.3	33.43	7.8	25.2	1.00
F11	10 Nov 2021	41	12.66	83.15	6.3	33.44	7.8	25.2	0.97
F11	10 Nov 2021	42	12.59	82.68	6.2	33.45	7.8	25.3	0.92
F11	10 Nov 2021	43	12.52	82.64	6.1	33.46	7.8	25.3	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F11	10 Nov 2021	44	12.53	83.00	6.1	33.46	7.8	25.3	0.82
F11	10 Nov 2021	45	12.47	83.27	6.0	33.47	7.8	25.3	0.82
F11	10 Nov 2021	46	12.45	84.07	6.0	33.47	7.7	25.3	0.76
F11	10 Nov 2021	47	12.41	84.26	5.9	33.48	7.7	25.3	0.73
F11	10 Nov 2021	48	12.42	84.21	5.9	33.48	7.7	25.3	0.71
F11	10 Nov 2021	49	12.39	83.96	5.9	33.48	7.7	25.3	0.69
F11	10 Nov 2021	50	12.39	83.91	5.9	33.48	7.7	25.3	0.67
F11	10 Nov 2021	51	12.40	83.99	5.9	33.48	7.7	25.3	0.68
F11	10 Nov 2021	52	12.37	83.78	5.9	33.48	7.7	25.3	0.67
F11	10 Nov 2021	53	12.30	83.27	5.8	33.50	7.7	25.4	0.67
F11	10 Nov 2021	54	12.22	82.81	5.6	33.51	7.7	25.4	0.64
F11	10 Nov 2021	55	12.22	82.62	5.6	33.51	7.7	25.4	0.59
F11	10 Nov 2021	56	12.16	82.28	5.5	33.52	7.7	25.4	0.58
F11	10 Nov 2021	57	12.14	82.00	5.5	33.52	7.7	25.4	0.58
F11	10 Nov 2021	58	12.11	81.62	5.4	33.53	7.7	25.4	0.55
F11	10 Nov 2021	59	12.09	80.98	5.4	33.53	7.7	25.4	0.52
F11	10 Nov 2021	60	12.06	80.67	5.3	33.54	7.7	25.4	0.51
F11	10 Nov 2021	61	12.04	80.51	5.3	33.54	7.7	25.4	0.51
F12	10 Nov 2021	1	17.47	84.86	8.0	33.53	8.0	24.3	0.82
F12	10 Nov 2021	2	17.46	84.76	8.0	33.53	8.0	24.3	0.85
F12	10 Nov 2021	3	17.43	84.83	8.0	33.53	8.0	24.3	0.85
F12	10 Nov 2021	4	17.43	85.00	8.0	33.53	8.0	24.3	0.87
F12	10 Nov 2021	5	17.42	84.97	8.0	33.53	8.0	24.3	0.90
F12	10 Nov 2021	6	17.36	85.12	8.0	33.53	8.0	24.3	0.91
F12	10 Nov 2021	7	17.28	85.27	7.9	33.53	8.0	24.3	0.97
F12	10 Nov 2021	8	17.03	85.33	7.9	33.53	8.0	24.4	0.94
F12	10 Nov 2021	9	16.88	85.39	7.9	33.52	8.0	24.4	1.04
F12	10 Nov 2021	10	16.84	85.40	7.9	33.51	8.0	24.4	1.12
F12	10 Nov 2021	11	16.74	85.28	7.9	33.51	8.0	24.4	1.16
F12	10 Nov 2021	12	16.63	85.30	7.8	33.51	8.0	24.5	1.22
F12	10 Nov 2021	13	16.34	85.12	7.8	33.50	8.0	24.5	1.29
F12	10 Nov 2021	14	16.14	85.09	7.7	33.49	8.0	24.6	1.43
F12	10 Nov 2021	15	15.93	85.04	7.6	33.48	7.9	24.6	1.54
F12	10 Nov 2021	16	15.63	85.24	7.5	33.49	7.9	24.7	1.63
F12	10 Nov 2021	17	15.27	85.11	7.4	33.48	7.9	24.7	1.69
F12	10 Nov 2021	18	14.98	85.28	7.4	33.45	7.9	24.8	1.60
F12	10 Nov 2021	19	14.68	85.19	7.2	33.45	7.9	24.8	1.53
F12	10 Nov 2021	20	14.29	85.65	7.1	33.45	7.9	24.9	1.44
F12	10 Nov 2021	21	13.95	85.84	7.1	33.42	7.9	25.0	1.39
F12	10 Nov 2021	22	13.87	86.24	7.1	33.39	7.9	25.0	1.35
F12	10 Nov 2021	23	13.86	86.47	7.2	33.38	7.9	25.0	1.28
F12	10 Nov 2021	24	13.76	86.72	7.2	33.40	7.9	25.0	1.27
F12	10 Nov 2021	25	13.54	86.91	7.2	33.37	7.8	25.0	1.21
F12	10 Nov 2021	26	13.43	87.14	7.2	33.38	7.8	25.0	1.14
F12	10 Nov 2021	27	13.14	87.27	7.1	33.38	7.8	25.1	1.11
F12	10 Nov 2021	28	13.10	87.31	7.0	33.38	7.8	25.1	1.03
F12	10 Nov 2021	29	12.97	87.07	7.0	33.38	7.8	25.1	0.97
F12	10 Nov 2021	30	13.04	87.03	7.0	33.38	7.8	25.1	0.95
F12	10 Nov 2021	31	12.91	86.70	6.8	33.40	7.8	25.2	0.94
F12	10 Nov 2021	32	12.84	85.98	6.6	33.41	7.8	25.2	0.94
F12	10 Nov 2021	33	12.84	85.13	6.6	33.41	7.8	25.2	0.96
F12	10 Nov 2021	34	12.76	85.15	6.5	33.42	7.8	25.2	0.95
F12	10 Nov 2021	35	12.75	85.12	6.4	33.42	7.8	25.2	0.93
F12	10 Nov 2021	36	12.74	84.68	6.4	33.43	7.8	25.2	0.93
F12	10 Nov 2021	37	12.72	84.47	6.4	33.43	7.8	25.2	0.93
F12	10 Nov 2021	38	12.67	84.24	6.3	33.44	7.8	25.2	0.90
F12	10 Nov 2021	39	12.63	83.76	6.2	33.44	7.8	25.3	0.89
F12	10 Nov 2021	40	12.60	83.23	6.2	33.45	7.8	25.3	0.87
F12	10 Nov 2021	41	12.58	83.02	6.2	33.45	7.8	25.3	0.84
F12	10 Nov 2021	42	12.56	82.99	6.1	33.45	7.8	25.3	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F12	10 Nov 2021	43	12.56	83.19	6.1	33.45	7.8	25.3	0.81
F12	10 Nov 2021	44	12.50	83.28	6.1	33.46	7.8	25.3	0.80
F12	10 Nov 2021	45	12.50	84.05	6.1	33.46	7.8	25.3	0.77
F12	10 Nov 2021	46	12.49	84.12	6.1	33.46	7.7	25.3	0.77
F12	10 Nov 2021	47	12.48	84.08	6.0	33.46	7.7	25.3	0.74
F12	10 Nov 2021	48	12.48	84.00	6.0	33.46	7.7	25.3	0.73
F12	10 Nov 2021	49	12.48	84.08	6.1	33.46	7.7	25.3	0.73
F12	10 Nov 2021	50	12.46	84.03	6.0	33.47	7.7	25.3	0.71
F12	10 Nov 2021	51	12.40	83.87	6.0	33.47	7.7	25.3	0.74
F12	10 Nov 2021	52	12.39	83.59	5.9	33.47	7.7	25.3	0.68
F12	10 Nov 2021	53	12.28	83.43	5.8	33.50	7.7	25.4	0.66
F12	10 Nov 2021	54	12.09	83.10	5.6	33.53	7.7	25.4	0.63
F12	10 Nov 2021	55	12.03	83.10	5.5	33.54	7.7	25.4	0.57
F12	10 Nov 2021	56	12.00	83.21	5.4	33.55	7.7	25.5	0.53
F12	10 Nov 2021	57	11.94	83.20	5.3	33.56	7.7	25.5	0.49
F12	10 Nov 2021	58	11.93	83.21	5.3	33.56	7.7	25.5	0.48
F12	10 Nov 2021	59	11.89	83.20	5.3	33.57	7.7	25.5	0.46
F12	10 Nov 2021	60	11.88	83.00	5.2	33.57	7.7	25.5	0.44
F12	10 Nov 2021	61	11.88	82.87	5.2	33.57	7.7	25.5	0.43
F12	10 Nov 2021	62	11.88	82.81	5.2	33.57	7.7	25.5	0.43
F13	10 Nov 2021	1	17.59	84.63	8.1	33.53	8.0	24.3	0.79
F13	10 Nov 2021	2	17.56	84.16	8.1	33.53	8.0	24.3	0.79
F13	10 Nov 2021	3	17.53	84.71	8.1	33.54	8.0	24.3	0.81
F13	10 Nov 2021	4	17.52	84.80	8.0	33.53	8.0	24.3	0.85
F13	10 Nov 2021	5	17.49	84.87	8.0	33.53	8.0	24.3	0.89
F13	10 Nov 2021	6	17.31	85.09	8.0	33.54	8.0	24.3	0.88
F13	10 Nov 2021	7	17.16	85.29	8.0	33.52	8.0	24.3	0.92
F13	10 Nov 2021	8	17.10	85.25	8.0	33.52	8.0	24.4	0.95
F13	10 Nov 2021	9	17.04	85.23	8.0	33.52	8.0	24.4	0.99
F13	10 Nov 2021	10	16.99	85.30	8.0	33.51	8.0	24.4	0.99
F13	10 Nov 2021	11	16.89	85.24	8.0	33.51	8.0	24.4	1.06
F13	10 Nov 2021	12	16.83	85.31	8.0	33.50	8.0	24.4	1.10
F13	10 Nov 2021	13	16.64	85.31	7.9	33.52	8.0	24.5	1.15
F13	10 Nov 2021	14	16.36	85.14	7.8	33.50	8.0	24.5	1.22
F13	10 Nov 2021	15	16.39	85.03	7.8	33.48	8.0	24.5	1.38
F13	10 Nov 2021	16	16.21	84.99	7.7	33.51	8.0	24.6	1.50
F13	10 Nov 2021	17	15.99	85.03	7.7	33.49	7.9	24.6	1.53
F13	10 Nov 2021	18	15.89	85.16	7.6	33.48	7.9	24.6	1.57
F13	10 Nov 2021	19	15.56	85.22	7.5	33.49	7.9	24.7	1.65
F13	10 Nov 2021	20	15.38	85.41	7.5	33.46	7.9	24.7	1.57
F13	10 Nov 2021	21	15.08	85.35	7.3	33.48	7.9	24.8	1.61
F13	10 Nov 2021	22	14.87	85.22	7.3	33.45	7.9	24.8	1.60
F13	10 Nov 2021	23	14.63	85.44	7.2	33.46	7.9	24.9	1.49
F13	10 Nov 2021	24	14.43	85.57	7.2	33.43	7.9	24.9	1.47
F13	10 Nov 2021	25	14.36	85.61	7.1	33.44	7.9	24.9	1.46
F13	10 Nov 2021	26	14.13	85.50	7.0	33.43	7.9	24.9	1.59
F13	10 Nov 2021	27	14.02	85.54	7.0	33.42	7.8	25.0	1.39
F13	10 Nov 2021	28	13.95	85.84	7.0	33.42	7.8	25.0	1.33
F13	10 Nov 2021	29	13.77	86.10	7.0	33.41	7.8	25.0	1.32
F13	10 Nov 2021	30	13.64	86.46	7.0	33.40	7.8	25.0	1.27
F13	10 Nov 2021	31	13.41	86.83	7.0	33.40	7.8	25.1	1.20
F13	10 Nov 2021	32	13.21	87.05	7.1	33.39	7.8	25.1	1.15
F13	10 Nov 2021	33	13.26	87.27	7.0	33.37	7.8	25.1	1.12
F13	10 Nov 2021	34	12.99	87.29	7.0	33.39	7.8	25.1	1.01
F13	10 Nov 2021	35	12.90	87.24	6.9	33.39	7.8	25.2	0.95
F13	10 Nov 2021	36	12.90	87.09	6.8	33.38	7.8	25.2	0.90
F13	10 Nov 2021	37	12.83	86.93	6.7	33.40	7.8	25.2	0.88
F13	10 Nov 2021	38	12.78	86.62	6.6	33.41	7.8	25.2	0.88
F13	10 Nov 2021	39	12.79	86.25	6.6	33.41	7.8	25.2	0.86
F13	10 Nov 2021	40	12.69	85.76	6.5	33.44	7.8	25.2	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F13	10 Nov 2021	41	12.65	85.42	6.3	33.44	7.8	25.2	0.88
F13	10 Nov 2021	42	12.64	85.24	6.3	33.44	7.8	25.3	0.88
F13	10 Nov 2021	43	12.62	84.92	6.3	33.44	7.8	25.3	0.84
F13	10 Nov 2021	44	12.61	84.51	6.3	33.44	7.8	25.3	0.82
F13	10 Nov 2021	45	12.59	84.42	6.2	33.45	7.8	25.3	0.82
F13	10 Nov 2021	46	12.57	84.38	6.2	33.45	7.8	25.3	0.79
F13	10 Nov 2021	47	12.56	84.30	6.2	33.45	7.8	25.3	0.79
F13	10 Nov 2021	48	12.52	84.15	6.2	33.46	7.8	25.3	0.78
F13	10 Nov 2021	49	12.44	84.09	6.0	33.48	7.8	25.3	0.76
F13	10 Nov 2021	50	12.38	84.18	5.9	33.48	7.7	25.3	0.73
F13	10 Nov 2021	51	12.38	84.13	6.0	33.48	7.7	25.3	0.68
F13	10 Nov 2021	52	12.32	83.92	5.9	33.49	7.7	25.4	0.67
F13	10 Nov 2021	53	12.33	83.86	5.8	33.48	7.7	25.4	0.66
F13	10 Nov 2021	54	12.32	83.93	5.8	33.48	7.7	25.4	0.63
F13	10 Nov 2021	55	12.31	83.83	5.8	33.48	7.7	25.4	0.63
F13	10 Nov 2021	56	12.30	83.60	5.8	33.49	7.7	25.4	0.62
F13	10 Nov 2021	57	12.23	83.33	5.7	33.51	7.7	25.4	0.61
F13	10 Nov 2021	58	12.07	83.40	5.6	33.53	7.7	25.4	0.60
F13	10 Nov 2021	59	12.10	83.64	5.5	33.52	7.7	25.4	0.54
F13	10 Nov 2021	60	12.01	83.38	5.4	33.54	7.7	25.5	0.53
F13	10 Nov 2021	61	12.01	83.32	5.4	33.54	7.7	25.5	0.51
F13	10 Nov 2021	62	12.01	83.23	5.4	33.54	7.7	25.5	0.50
F14	10 Nov 2021	1	17.53	84.90	8.1	33.53	8.0	24.3	0.71
F14	10 Nov 2021	2	17.53	84.99	8.1	33.53	8.0	24.3	0.72
F14	10 Nov 2021	3	17.53	84.96	8.0	33.53	8.0	24.3	0.75
F14	10 Nov 2021	4	17.52	84.98	8.0	33.53	8.0	24.3	0.80
F14	10 Nov 2021	5	17.36	82.91	7.9	33.56	8.0	24.3	0.82
F14	10 Nov 2021	6	17.00	85.14	8.0	33.51	8.0	24.4	0.86
F14	10 Nov 2021	7	16.74	85.17	7.9	33.53	8.0	24.4	0.91
F14	10 Nov 2021	8	16.44	85.09	7.9	33.49	8.0	24.5	1.06
F14	10 Nov 2021	9	16.24	85.02	7.8	33.47	8.0	24.5	1.27
F14	10 Nov 2021	10	15.76	84.72	7.6	33.50	7.9	24.6	1.46
F14	10 Nov 2021	11	15.30	84.98	7.4	33.49	7.9	24.7	1.48
F14	10 Nov 2021	12	14.17	85.63	7.2	33.47	7.9	25.0	1.37
F14	10 Nov 2021	13	14.01	86.09	7.2	33.40	7.8	25.0	1.25
F14	10 Nov 2021	14	13.91	86.11	7.1	33.41	7.8	25.0	1.17
F14	10 Nov 2021	15	13.96	85.93	7.1	33.41	7.8	25.0	1.19
F14	10 Nov 2021	16	13.79	85.86	7.0	33.43	7.8	25.0	1.25
F14	10 Nov 2021	17	13.57	85.54	6.9	33.43	7.8	25.1	1.22
F14	10 Nov 2021	18	13.61	85.64	6.9	33.40	7.8	25.0	1.12
F14	10 Nov 2021	19	13.37	86.02	7.0	33.43	7.8	25.1	1.13
F14	10 Nov 2021	20	13.24	86.53	7.0	33.40	7.8	25.1	1.10
F14	10 Nov 2021	21	13.10	86.68	7.0	33.40	7.8	25.1	1.05
F14	10 Nov 2021	22	13.05	87.05	6.9	33.38	7.8	25.1	1.04
F14	10 Nov 2021	23	12.87	87.15	6.8	33.41	7.8	25.2	0.93
F14	10 Nov 2021	24	12.85	87.16	6.8	33.39	7.8	25.2	0.87
F14	10 Nov 2021	25	12.87	87.18	6.8	33.39	7.8	25.2	0.85
F14	10 Nov 2021	26	12.87	87.17	6.8	33.39	7.8	25.2	0.81
F14	10 Nov 2021	27	12.88	87.22	6.8	33.39	7.8	25.2	0.82
F14	10 Nov 2021	28	12.89	87.24	6.8	33.39	7.8	25.2	0.82
F14	10 Nov 2021	29	12.80	87.16	6.7	33.41	7.8	25.2	0.84
F14	10 Nov 2021	30	12.73	86.71	6.6	33.42	7.8	25.2	0.82
F14	10 Nov 2021	31	12.71	86.37	6.5	33.42	7.8	25.2	0.82
F14	10 Nov 2021	32	12.69	86.23	6.5	33.42	7.8	25.2	0.82
F14	10 Nov 2021	33	12.68	86.06	6.5	33.42	7.8	25.2	0.84
F14	10 Nov 2021	34	12.67	85.97	6.4	33.43	7.8	25.2	0.84
F14	10 Nov 2021	35	12.66	85.82	6.4	33.43	7.8	25.2	0.83
F14	10 Nov 2021	36	12.66	85.84	6.4	33.43	7.8	25.2	0.82
F14	10 Nov 2021	37	12.66	85.77	6.4	33.43	7.8	25.2	0.83
F14	10 Nov 2021	38	12.63	85.77	6.4	33.43	7.8	25.2	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F14	10 Nov 2021	39	12.63	85.74	6.3	33.43	7.8	25.2	0.82
F14	10 Nov 2021	40	12.63	85.74	6.4	33.43	7.8	25.2	0.83
F14	10 Nov 2021	41	12.62	85.73	6.4	33.43	7.8	25.3	0.81
F14	10 Nov 2021	42	12.62	85.59	6.3	33.43	7.8	25.3	0.80
F14	10 Nov 2021	43	12.61	85.52	6.3	33.43	7.8	25.3	0.80
F14	10 Nov 2021	44	12.60	85.51	6.3	33.43	7.8	25.3	0.81
F14	10 Nov 2021	45	12.59	85.39	6.3	33.43	7.8	25.3	0.80
F14	10 Nov 2021	46	12.59	85.32	6.3	33.43	7.8	25.3	0.81
F14	10 Nov 2021	47	12.58	85.23	6.3	33.43	7.8	25.3	0.80
F14	10 Nov 2021	48	12.58	85.15	6.3	33.44	7.8	25.3	0.78
F14	10 Nov 2021	49	12.56	85.15	6.2	33.44	7.7	25.3	0.80
F14	10 Nov 2021	50	12.56	84.92	6.2	33.44	7.7	25.3	0.79
F14	10 Nov 2021	51	12.55	84.70	6.2	33.44	7.7	25.3	0.77
F14	10 Nov 2021	52	12.55	84.61	6.2	33.44	7.7	25.3	0.79
F14	10 Nov 2021	53	12.53	84.33	6.2	33.44	7.7	25.3	0.76
F14	10 Nov 2021	54	12.53	84.37	6.2	33.44	7.7	25.3	0.76
F14	10 Nov 2021	55	12.53	84.30	6.2	33.44	7.7	25.3	0.75
F14	10 Nov 2021	56	12.53	84.23	6.2	33.44	7.7	25.3	0.75
F14	10 Nov 2021	57	12.49	84.15	6.1	33.45	7.7	25.3	0.74
F14	10 Nov 2021	58	12.39	83.84	6.0	33.47	7.7	25.3	0.72
F14	10 Nov 2021	59	12.29	83.83	5.8	33.49	7.7	25.4	0.67
F14	10 Nov 2021	60	12.10	83.71	5.6	33.52	7.7	25.4	0.63
F14	10 Nov 2021	61	12.08	83.58	5.6	33.52	7.7	25.4	0.59
F15	12 Nov 2021	1	17.70	85.62	7.9	33.50	8.0	24.2	0.40
F15	12 Nov 2021	2	17.66	85.56	7.9	33.51	8.0	24.2	0.39
F15	12 Nov 2021	3	17.58	85.65	7.9	33.51	8.0	24.2	0.38
F15	12 Nov 2021	4	17.54	85.58	7.9	33.50	8.0	24.2	0.38
F15	12 Nov 2021	5	17.51	85.52	7.9	33.50	8.0	24.2	0.40
F15	12 Nov 2021	6	17.50	85.52	7.9	33.50	8.0	24.2	0.42
F15	12 Nov 2021	7	17.49	85.56	7.9	33.50	8.0	24.2	0.45
F15	12 Nov 2021	8	17.46	85.54	7.9	33.50	8.0	24.3	0.46
F15	12 Nov 2021	9	17.41	85.52	7.9	33.50	8.0	24.3	0.51
F15	12 Nov 2021	10	17.34	85.42	7.9	33.50	8.0	24.3	0.53
F15	12 Nov 2021	11	17.25	85.42	7.9	33.50	8.0	24.3	0.56
F15	12 Nov 2021	12	17.18	85.38	8.0	33.49	8.0	24.3	0.62
F15	12 Nov 2021	13	17.09	85.34	7.9	33.49	8.0	24.3	0.66
F15	12 Nov 2021	14	16.91	85.06	7.9	33.48	8.0	24.4	0.75
F15	12 Nov 2021	15	16.82	84.76	7.9	33.48	8.0	24.4	0.89
F15	12 Nov 2021	16	16.36	84.43	7.8	33.48	8.0	24.5	1.03
F15	12 Nov 2021	17	16.10	84.40	7.9	33.43	8.0	24.5	1.20
F15	12 Nov 2021	18	15.83	84.39	7.8	33.47	8.0	24.6	1.36
F15	12 Nov 2021	19	15.50	84.38	7.8	33.42	8.0	24.6	1.42
F15	12 Nov 2021	20	15.44	84.54	7.7	33.41	8.0	24.6	1.52
F15	12 Nov 2021	21	15.14	84.55	7.6	33.43	8.0	24.7	1.60
F15	12 Nov 2021	22	14.80	85.02	7.6	33.40	7.9	24.8	1.67
F15	12 Nov 2021	23	14.77	85.36	7.5	33.39	7.9	24.8	1.73
F15	12 Nov 2021	24	14.45	85.61	7.3	33.42	7.9	24.9	1.65
F15	12 Nov 2021	25	14.15	85.76	7.3	33.40	7.9	24.9	1.60
F15	12 Nov 2021	26	14.06	86.01	7.3	33.40	7.9	24.9	1.55
F15	12 Nov 2021	27	13.73	86.30	7.2	33.39	7.9	25.0	1.51
F15	12 Nov 2021	28	13.57	86.62	7.2	33.38	7.9	25.0	1.44
F15	12 Nov 2021	29	13.49	86.74	7.2	33.37	7.9	25.0	1.35
F15	12 Nov 2021	30	13.46	86.85	7.2	33.37	7.9	25.0	1.31
F15	12 Nov 2021	31	13.35	86.97	7.2	33.38	7.9	25.1	1.27
F15	12 Nov 2021	32	13.25	87.08	7.1	33.38	7.9	25.1	1.22
F15	12 Nov 2021	33	13.19	87.13	7.1	33.37	7.9	25.1	1.15
F15	12 Nov 2021	34	13.15	87.18	7.1	33.37	7.8	25.1	1.11
F15	12 Nov 2021	35	13.08	87.20	7.1	33.37	7.8	25.1	1.08
F15	12 Nov 2021	36	13.03	87.21	7.0	33.37	7.8	25.1	1.07
F15	12 Nov 2021	37	12.91	87.31	7.0	33.38	7.8	25.2	1.04

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F15	12 Nov 2021	38	12.75	87.43	6.9	33.40	7.8	25.2	1.00
F15	12 Nov 2021	39	12.68	87.56	6.8	33.41	7.8	25.2	0.96
F15	12 Nov 2021	40	12.66	87.62	6.6	33.42	7.8	25.2	0.88
F15	12 Nov 2021	41	12.56	87.66	6.5	33.45	7.8	25.3	0.85
F15	12 Nov 2021	42	12.53	87.68	6.4	33.45	7.8	25.3	0.81
F15	12 Nov 2021	43	12.51	87.71	6.4	33.45	7.8	25.3	0.77
F15	12 Nov 2021	44	12.48	87.71	6.3	33.46	7.8	25.3	0.75
F15	12 Nov 2021	45	12.46	87.67	6.3	33.46	7.8	25.3	0.76
F15	12 Nov 2021	46	12.41	87.74	6.2	33.47	7.8	25.3	0.73
F15	12 Nov 2021	47	12.34	87.78	6.2	33.49	7.8	25.3	0.71
F15	12 Nov 2021	48	12.28	87.80	6.1	33.49	7.8	25.4	0.69
F15	12 Nov 2021	49	12.24	87.80	6.0	33.50	7.8	25.4	0.66
F15	12 Nov 2021	50	12.18	87.77	5.9	33.51	7.8	25.4	0.64
F15	12 Nov 2021	51	12.15	87.75	5.9	33.51	7.8	25.4	0.63
F15	12 Nov 2021	52	12.14	87.67	5.8	33.51	7.8	25.4	0.61
F15	12 Nov 2021	53	12.13	87.71	5.8	33.52	7.7	25.4	0.61
F15	12 Nov 2021	54	12.11	87.71	5.8	33.52	7.7	25.4	0.60
F15	12 Nov 2021	55	12.10	87.71	5.8	33.52	7.7	25.4	0.57
F15	12 Nov 2021	56	12.09	87.73	5.7	33.52	7.7	25.4	0.56
F15	12 Nov 2021	57	12.05	87.75	5.7	33.53	7.7	25.4	0.56
F15	12 Nov 2021	58	12.04	87.75	5.6	33.54	7.7	25.4	0.54
F15	12 Nov 2021	59	12.03	87.69	5.6	33.54	7.7	25.5	0.53
F15	12 Nov 2021	60	12.01	87.74	5.5	33.55	7.7	25.5	0.51
F15	12 Nov 2021	61	12.00	87.74	5.5	33.55	7.7	25.5	0.50
F15	12 Nov 2021	62	11.99	87.73	5.4	33.55	7.7	25.5	0.51
F15	12 Nov 2021	63	11.98	87.75	5.5	33.55	7.7	25.5	0.50
F15	12 Nov 2021	64	11.95	87.74	5.4	33.56	7.7	25.5	0.49
F15	12 Nov 2021	65	11.90	87.73	5.3	33.58	7.7	25.5	0.48
F15	12 Nov 2021	66	11.88	87.72	5.3	33.58	7.7	25.5	0.48
F15	12 Nov 2021	67	11.88	87.72	5.2	33.58	7.7	25.5	0.46
F15	12 Nov 2021	68	11.87	87.73	5.3	33.58	7.7	25.5	0.44
F15	12 Nov 2021	69	11.84	87.73	5.2	33.59	7.7	25.5	0.44
F15	12 Nov 2021	70	11.80	87.68	5.1	33.61	7.7	25.5	0.43
F15	12 Nov 2021	71	11.78	87.61	5.1	33.61	7.7	25.6	0.43
F15	12 Nov 2021	72	11.77	87.64	5.0	33.62	7.7	25.6	0.40
F15	12 Nov 2021	73	11.75	87.54	5.0	33.62	7.7	25.6	0.40
F15	12 Nov 2021	74	11.74	87.39	4.9	33.63	7.7	25.6	0.39
F15	12 Nov 2021	75	11.72	87.40	4.9	33.63	7.7	25.6	0.38
F15	12 Nov 2021	76	11.70	87.13	4.9	33.63	7.7	25.6	0.38
F15	12 Nov 2021	77	11.66	86.79	4.9	33.64	7.7	25.6	0.38
F15	12 Nov 2021	78	11.62	86.02	4.8	33.65	7.7	25.6	0.36
F15	12 Nov 2021	79	11.60	85.45	4.7	33.66	7.6	25.6	0.36
F15	12 Nov 2021	80	11.58	85.12	4.7	33.67	7.6	25.6	0.35
F15	12 Nov 2021	81	11.51	83.11	4.5	33.70	7.6	25.7	0.34
F16	12 Nov 2021	1	17.84	85.96	7.9	33.51	8.0	24.2	0.37
F16	12 Nov 2021	2	17.59	85.97	7.9	33.52	8.0	24.2	0.38
F16	12 Nov 2021	3	17.50	85.70	7.9	33.50	8.0	24.2	0.39
F16	12 Nov 2021	4	17.47	85.58	7.9	33.50	8.0	24.3	0.40
F16	12 Nov 2021	5	17.45	85.57	7.9	33.50	8.0	24.3	0.43
F16	12 Nov 2021	6	17.44	85.58	7.9	33.50	8.0	24.3	0.45
F16	12 Nov 2021	7	17.43	85.60	7.9	33.50	8.0	24.3	0.46
F16	12 Nov 2021	8	17.37	85.61	7.9	33.51	8.0	24.3	0.48
F16	12 Nov 2021	9	17.33	85.59	7.9	33.50	8.0	24.3	0.52
F16	12 Nov 2021	10	17.20	85.40	7.9	33.51	8.0	24.3	0.56
F16	12 Nov 2021	11	17.06	85.32	7.9	33.49	8.0	24.3	0.59
F16	12 Nov 2021	12	17.06	85.27	7.9	33.49	8.0	24.3	0.67
F16	12 Nov 2021	13	17.05	85.25	7.9	33.49	8.0	24.3	0.77
F16	12 Nov 2021	14	16.88	85.08	7.8	33.49	8.0	24.4	0.84
F16	12 Nov 2021	15	16.66	84.90	7.9	33.49	8.0	24.4	0.93
F16	12 Nov 2021	16	16.49	84.79	7.8	33.49	8.0	24.5	1.01



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F16	12 Nov 2021	17	15.92	84.61	7.8	33.49	8.0	24.6	1.13
F16	12 Nov 2021	18	15.55	84.63	7.7	33.44	8.0	24.6	1.29
F16	12 Nov 2021	19	15.33	84.89	7.7	33.43	8.0	24.7	1.43
F16	12 Nov 2021	20	15.09	84.94	7.6	33.41	7.9	24.7	1.56
F16	12 Nov 2021	21	14.83	85.26	7.6	33.40	7.9	24.8	1.61
F16	12 Nov 2021	22	14.72	85.47	7.5	33.38	7.9	24.8	1.68
F16	12 Nov 2021	23	14.61	85.76	7.5	33.38	7.9	24.8	1.62
F16	12 Nov 2021	24	14.20	86.14	7.3	33.42	7.9	24.9	1.61
F16	12 Nov 2021	25	13.92	86.37	7.2	33.40	7.9	25.0	1.55
F16	12 Nov 2021	26	13.81	86.45	7.2	33.39	7.9	25.0	1.49
F16	12 Nov 2021	27	13.49	86.85	7.2	33.38	7.9	25.0	1.43
F16	12 Nov 2021	28	13.43	86.99	7.2	33.37	7.9	25.0	1.36
F16	12 Nov 2021	29	13.32	87.13	7.2	33.38	7.9	25.1	1.31
F16	12 Nov 2021	30	13.19	87.28	7.1	33.38	7.9	25.1	1.28
F16	12 Nov 2021	31	13.09	87.27	7.1	33.39	7.8	25.1	1.34
F16	12 Nov 2021	32	13.02	87.24	7.0	33.38	7.8	25.1	1.15
F16	12 Nov 2021	33	12.99	87.15	6.9	33.38	7.8	25.1	1.09
F16	12 Nov 2021	34	12.93	87.08	6.9	33.40	7.8	25.2	1.08
F16	12 Nov 2021	35	12.75	87.54	6.8	33.41	7.8	25.2	1.07
F16	12 Nov 2021	36	12.66	87.66	6.7	33.41	7.8	25.2	0.98
F16	12 Nov 2021	37	12.61	87.69	6.7	33.42	7.8	25.2	0.94
F16	12 Nov 2021	38	12.57	87.75	6.6	33.43	7.8	25.3	0.88
F16	12 Nov 2021	39	12.47	87.78	6.4	33.46	7.8	25.3	0.85
F16	12 Nov 2021	40	12.40	87.85	6.3	33.47	7.8	25.3	0.79
F16	12 Nov 2021	41	12.35	87.87	6.2	33.48	7.8	25.3	0.75
F16	12 Nov 2021	42	12.34	87.86	6.1	33.48	7.8	25.3	0.72
F16	12 Nov 2021	43	12.29	87.81	6.1	33.49	7.8	25.4	0.71
F16	12 Nov 2021	44	12.27	87.87	6.0	33.49	7.8	25.4	0.68
F16	12 Nov 2021	45	12.24	87.90	6.0	33.50	7.8	25.4	0.68
F16	12 Nov 2021	46	12.23	87.93	6.0	33.50	7.8	25.4	0.71
F16	12 Nov 2021	47	12.16	87.93	5.9	33.52	7.8	25.4	0.62
F16	12 Nov 2021	48	12.11	87.94	5.8	33.53	7.8	25.4	0.60
F16	12 Nov 2021	49	12.06	87.94	5.8	33.53	7.7	25.4	0.58
F16	12 Nov 2021	50	12.04	87.94	5.7	33.54	7.7	25.4	0.59
F16	12 Nov 2021	51	12.02	87.94	5.7	33.54	7.7	25.5	0.55
F16	12 Nov 2021	52	12.00	87.91	5.6	33.55	7.7	25.5	0.54
F16	12 Nov 2021	53	11.98	87.91	5.6	33.55	7.7	25.5	0.52
F16	12 Nov 2021	54	11.97	87.94	5.6	33.55	7.7	25.5	0.51
F16	12 Nov 2021	55	11.96	87.88	5.5	33.55	7.7	25.5	0.48
F16	12 Nov 2021	56	11.94	87.87	5.5	33.56	7.7	25.5	0.49
F16	12 Nov 2021	57	11.92	87.86	5.4	33.57	7.7	25.5	0.48
F16	12 Nov 2021	58	11.91	87.88	5.3	33.58	7.7	25.5	0.47
F16	12 Nov 2021	59	11.90	87.88	5.3	33.58	7.7	25.5	0.47
F16	12 Nov 2021	60	11.89	87.86	5.2	33.59	7.7	25.5	0.46
F16	12 Nov 2021	61	11.89	87.83	5.2	33.59	7.7	25.5	0.45
F16	12 Nov 2021	62	11.86	87.79	5.1	33.60	7.7	25.5	0.44
F16	12 Nov 2021	63	11.86	87.80	5.1	33.60	7.7	25.5	0.44
F16	12 Nov 2021	64	11.85	87.81	5.1	33.60	7.7	25.5	0.42
F16	12 Nov 2021	65	11.83	87.76	5.0	33.61	7.7	25.5	0.43
F16	12 Nov 2021	66	11.82	87.74	5.0	33.61	7.7	25.5	0.42
F16	12 Nov 2021	67	11.80	87.73	5.0	33.62	7.7	25.6	0.41
F16	12 Nov 2021	68	11.76	87.62	5.0	33.62	7.7	25.6	0.40
F16	12 Nov 2021	69	11.75	87.61	5.0	33.62	7.7	25.6	0.39
F16	12 Nov 2021	70	11.75	87.61	4.9	33.62	7.7	25.6	0.38
F16	12 Nov 2021	71	11.73	87.54	4.9	33.63	7.7	25.6	0.39
F16	12 Nov 2021	72	11.72	87.45	4.9	33.63	7.7	25.6	0.38
F16	12 Nov 2021	73	11.70	87.18	4.9	33.64	7.7	25.6	0.37
F16	12 Nov 2021	74	11.67	86.66	4.8	33.64	7.7	25.6	0.44
F16	12 Nov 2021	75	11.64	86.00	4.8	33.65	7.7	25.6	0.38
F16	12 Nov 2021	76	11.62	85.38	4.8	33.65	7.6	25.6	0.36
F16	12 Nov 2021	77	11.62	85.16	4.7	33.65	7.6	25.6	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F16	12 Nov 2021	78	11.61	84.86	4.7	33.65	7.6	25.6	0.35
F16	12 Nov 2021	79	11.59	83.93	4.7	33.66	7.6	25.6	0.35
F16	12 Nov 2021	80	11.57	83.01	4.6	33.66	7.6	25.6	0.35
F16	12 Nov 2021	81	11.52	82.12	4.6	33.68	7.6	25.7	0.35
F16	12 Nov 2021	82	11.51	82.02	4.5	33.68	7.6	25.7	0.33
F17	12 Nov 2021	1	17.46	85.38	7.9	33.51	8.0	24.3	0.44
F17	12 Nov 2021	2	17.48	85.40	7.9	33.50	8.0	24.3	0.44
F17	12 Nov 2021	3	17.46	85.29	7.9	33.51	8.0	24.3	0.43
F17	12 Nov 2021	4	17.44	85.38	7.9	33.51	8.0	24.3	0.46
F17	12 Nov 2021	5	17.40	85.38	7.9	33.51	8.0	24.3	0.44
F17	12 Nov 2021	6	17.37	85.32	7.9	33.51	8.0	24.3	0.48
F17	12 Nov 2021	7	17.35	85.36	7.9	33.51	8.0	24.3	0.49
F17	12 Nov 2021	8	17.31	85.36	7.9	33.50	8.0	24.3	0.52
F17	12 Nov 2021	9	17.28	85.26	7.9	33.51	8.0	24.3	0.54
F17	12 Nov 2021	10	17.22	85.36	7.9	33.50	8.0	24.3	0.58
F17	12 Nov 2021	11	17.18	85.27	7.9	33.50	8.0	24.3	0.62
F17	12 Nov 2021	12	17.12	85.13	7.9	33.50	8.0	24.3	0.66
F17	12 Nov 2021	13	17.10	85.09	8.0	33.49	8.0	24.3	0.72
F17	12 Nov 2021	14	16.93	85.03	7.9	33.52	8.0	24.4	0.76
F17	12 Nov 2021	15	16.74	84.79	7.9	33.49	8.0	24.4	0.81
F17	12 Nov 2021	16	16.73	84.81	7.9	33.48	8.0	24.4	0.92
F17	12 Nov 2021	17	16.08	84.47	7.7	33.55	8.0	24.6	1.05
F17	12 Nov 2021	18	15.41	84.70	7.6	33.48	8.0	24.7	1.14
F17	12 Nov 2021	19	15.13	84.96	7.6	33.42	7.9	24.7	1.26
F17	12 Nov 2021	20	15.00	85.08	7.6	33.40	7.9	24.7	1.42
F17	12 Nov 2021	21	14.80	85.23	7.5	33.40	7.9	24.8	1.49
F17	12 Nov 2021	22	14.57	85.73	7.5	33.40	7.9	24.8	1.54
F17	12 Nov 2021	23	14.05	86.35	7.3	33.44	7.9	25.0	1.54
F17	12 Nov 2021	24	13.61	86.58	7.2	33.42	7.9	25.0	1.51
F17	12 Nov 2021	25	13.41	86.85	7.2	33.38	7.9	25.1	1.43
F17	12 Nov 2021	26	13.38	86.92	7.2	33.38	7.9	25.1	1.30
F17	12 Nov 2021	27	13.36	86.95	7.1	33.37	7.9	25.1	1.21
F17	12 Nov 2021	28	13.29	87.03	7.1	33.38	7.9	25.1	1.21
F17	12 Nov 2021	29	13.20	87.12	7.1	33.38	7.9	25.1	1.18
F17	12 Nov 2021	30	13.12	87.17	7.1	33.39	7.8	25.1	1.14
F17	12 Nov 2021	31	13.01	87.24	7.0	33.39	7.8	25.1	1.11
F17	12 Nov 2021	32	12.97	87.23	7.0	33.39	7.8	25.2	1.05
F17	12 Nov 2021	33	12.91	87.02	6.9	33.40	7.8	25.2	1.02
F17	12 Nov 2021	34	12.76	86.48	6.7	33.42	7.8	25.2	0.99
F17	12 Nov 2021	35	12.68	86.71	6.6	33.43	7.8	25.2	1.03
F17	12 Nov 2021	36	12.63	87.18	6.5	33.43	7.8	25.2	1.04
F17	12 Nov 2021	37	12.60	87.32	6.5	33.44	7.8	25.3	0.97
F17	12 Nov 2021	38	12.55	87.50	6.5	33.44	7.8	25.3	0.91
F17	12 Nov 2021	39	12.48	87.58	6.4	33.45	7.8	25.3	0.89
F17	12 Nov 2021	40	12.44	87.64	6.3	33.46	7.8	25.3	0.83
F17	12 Nov 2021	41	12.40	87.69	6.3	33.47	7.8	25.3	0.83
F17	12 Nov 2021	42	12.34	87.69	6.2	33.48	7.8	25.3	0.78
F17	12 Nov 2021	43	12.31	87.70	6.1	33.49	7.8	25.4	0.74
F17	12 Nov 2021	44	12.23	87.66	6.0	33.51	7.8	25.4	0.70
F17	12 Nov 2021	45	12.16	87.67	5.9	33.51	7.8	25.4	0.67
F17	12 Nov 2021	46	12.13	87.69	5.9	33.52	7.8	25.4	0.67
F17	12 Nov 2021	47	12.08	87.80	5.8	33.53	7.8	25.4	0.61
F17	12 Nov 2021	48	12.02	87.80	5.8	33.55	7.7	25.5	0.58
F17	12 Nov 2021	49	11.97	87.74	5.7	33.55	7.7	25.5	0.56
F17	12 Nov 2021	50	11.94	87.69	5.6	33.56	7.7	25.5	0.53
F17	12 Nov 2021	51	11.91	87.60	5.5	33.56	7.7	25.5	0.52
F17	12 Nov 2021	52	11.89	87.58	5.5	33.56	7.7	25.5	0.49
F17	12 Nov 2021	53	11.88	87.53	5.5	33.56	7.7	25.5	0.47
F17	12 Nov 2021	54	11.88	87.53	5.5	33.57	7.7	25.5	0.49
F17	12 Nov 2021	55	11.87	87.45	5.5	33.57	7.7	25.5	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F17	12 Nov 2021	56	11.85	87.41	5.4	33.57	7.7	25.5	0.45
F17	12 Nov 2021	57	11.83	87.23	5.4	33.58	7.7	25.5	0.46
F17	12 Nov 2021	58	11.83	87.14	5.3	33.58	7.7	25.5	0.44
F17	12 Nov 2021	59	11.82	87.04	5.3	33.58	7.7	25.5	0.43
F17	12 Nov 2021	60	11.81	86.94	5.3	33.59	7.7	25.5	0.43
F17	12 Nov 2021	61	11.80	86.84	5.2	33.59	7.7	25.5	0.43
F17	12 Nov 2021	62	11.80	86.77	5.2	33.59	7.7	25.5	0.43
F17	12 Nov 2021	63	11.80	86.61	5.2	33.59	7.7	25.5	0.41
F17	12 Nov 2021	64	11.79	86.50	5.1	33.60	7.7	25.5	0.41
F17	12 Nov 2021	65	11.76	86.07	5.0	33.61	7.7	25.6	0.41
F17	12 Nov 2021	66	11.74	85.89	5.0	33.61	7.7	25.6	0.39
F17	12 Nov 2021	67	11.73	85.86	4.9	33.62	7.7	25.6	0.40
F17	12 Nov 2021	68	11.71	85.90	4.9	33.62	7.7	25.6	0.37
F17	12 Nov 2021	69	11.69	85.94	4.9	33.63	7.7	25.6	0.37
F17	12 Nov 2021	70	11.68	85.86	4.8	33.63	7.7	25.6	0.36
F17	12 Nov 2021	71	11.68	85.79	4.8	33.63	7.7	25.6	0.37
F17	12 Nov 2021	72	11.68	85.54	4.8	33.63	7.7	25.6	0.36
F17	12 Nov 2021	73	11.67	85.27	4.8	33.63	7.7	25.6	0.36
F17	12 Nov 2021	74	11.67	85.01	4.8	33.63	7.7	25.6	0.36
F17	12 Nov 2021	75	11.65	84.34	4.8	33.64	7.7	25.6	0.36
F17	12 Nov 2021	76	11.63	83.32	4.7	33.65	7.6	25.6	0.36
F17	12 Nov 2021	77	11.60	82.99	4.7	33.65	7.6	25.6	0.36
F17	12 Nov 2021	78	11.59	82.96	4.6	33.66	7.6	25.6	0.36
F17	12 Nov 2021	79	11.56	83.64	4.6	33.66	7.6	25.6	0.34
F17	12 Nov 2021	80	11.49	84.46	4.5	33.67	7.6	25.7	0.34
F17	12 Nov 2021	81	11.43	84.47	4.3	33.69	7.6	25.7	0.34
F17	12 Nov 2021	82	11.41	84.30	4.3	33.69	7.6	25.7	0.32
F18	12 Nov 2021	1	17.73	85.68	7.9	33.51	8.0	24.2	0.44
F18	12 Nov 2021	2	17.65	85.77	7.8	33.52	8.0	24.2	0.43
F18	12 Nov 2021	3	17.47	85.74	7.9	33.51	8.0	24.3	0.45
F18	12 Nov 2021	4	17.44	85.62	7.9	33.51	8.0	24.3	0.47
F18	12 Nov 2021	5	17.41	85.59	7.9	33.51	8.0	24.3	0.46
F18	12 Nov 2021	6	17.40	85.61	7.9	33.51	8.0	24.3	0.47
F18	12 Nov 2021	7	17.33	85.54	7.9	33.51	8.0	24.3	0.48
F18	12 Nov 2021	8	17.25	85.58	7.9	33.51	8.0	24.3	0.53
F18	12 Nov 2021	9	17.18	85.55	8.0	33.50	8.0	24.3	0.58
F18	12 Nov 2021	10	17.14	85.43	7.9	33.50	8.0	24.3	0.62
F18	12 Nov 2021	11	17.03	85.42	7.9	33.51	8.0	24.4	0.67
F18	12 Nov 2021	12	16.82	85.44	8.0	33.52	8.0	24.4	0.71
F18	12 Nov 2021	13	16.49	85.33	7.9	33.53	8.0	24.5	0.80
F18	12 Nov 2021	14	15.87	84.90	7.8	33.55	8.0	24.7	0.87
F18	12 Nov 2021	15	15.39	84.59	7.6	33.47	7.9	24.7	1.07
F18	12 Nov 2021	16	15.13	84.87	7.5	33.44	7.9	24.7	1.27
F18	12 Nov 2021	17	14.85	85.21	7.5	33.41	7.9	24.8	1.32
F18	12 Nov 2021	18	14.52	85.47	7.5	33.39	7.9	24.8	1.38
F18	12 Nov 2021	19	14.37	85.69	7.4	33.39	7.9	24.9	1.45
F18	12 Nov 2021	20	13.62	86.22	7.2	33.45	7.9	25.1	1.45
F18	12 Nov 2021	21	13.40	86.75	7.2	33.38	7.9	25.1	1.39
F18	12 Nov 2021	22	13.39	86.87	7.2	33.37	7.8	25.1	1.25
F18	12 Nov 2021	23	13.37	86.98	7.2	33.37	7.8	25.1	1.18
F18	12 Nov 2021	24	13.32	87.03	7.1	33.37	7.8	25.1	1.16
F18	12 Nov 2021	25	13.14	87.09	7.1	33.39	7.8	25.1	1.11
F18	12 Nov 2021	26	13.03	87.30	7.0	33.38	7.8	25.1	1.16
F18	12 Nov 2021	27	13.02	87.34	7.0	33.38	7.8	25.1	1.07
F18	12 Nov 2021	28	13.02	87.38	7.0	33.39	7.8	25.1	1.00
F18	12 Nov 2021	29	12.94	87.37	6.9	33.39	7.8	25.2	0.98
F18	12 Nov 2021	30	12.85	87.37	6.9	33.40	7.8	25.2	0.99
F18	12 Nov 2021	31	12.80	87.38	6.8	33.40	7.8	25.2	0.93
F18	12 Nov 2021	32	12.72	87.09	6.7	33.42	7.8	25.2	0.92
F18	12 Nov 2021	33	12.66	86.46	6.5	33.43	7.8	25.2	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F18	12 Nov 2021	34	12.62	85.54	6.4	33.44	7.8	25.3	0.93
F18	12 Nov 2021	35	12.56	85.81	6.3	33.45	7.8	25.3	0.97
F18	12 Nov 2021	36	12.50	86.66	6.3	33.45	7.8	25.3	0.96
F18	12 Nov 2021	37	12.47	87.14	6.3	33.46	7.8	25.3	0.92
F18	12 Nov 2021	38	12.42	87.42	6.2	33.47	7.8	25.3	0.87
F18	12 Nov 2021	39	12.40	87.42	6.2	33.47	7.8	25.3	0.82
F18	12 Nov 2021	40	12.35	87.12	6.1	33.48	7.8	25.3	0.78
F18	12 Nov 2021	41	12.30	86.96	6.0	33.49	7.8	25.4	0.77
F18	12 Nov 2021	42	12.29	87.20	6.0	33.49	7.8	25.4	0.73
F18	12 Nov 2021	43	12.26	87.35	6.0	33.50	7.8	25.4	0.78
F18	12 Nov 2021	44	12.21	87.45	5.9	33.51	7.8	25.4	0.68
F18	12 Nov 2021	45	12.10	87.45	5.8	33.53	7.7	25.4	0.67
F18	12 Nov 2021	46	12.06	87.43	5.7	33.53	7.7	25.4	0.64
F18	12 Nov 2021	47	12.05	87.27	5.7	33.53	7.7	25.4	0.60
F18	12 Nov 2021	48	12.05	87.25	5.7	33.53	7.7	25.4	0.59
F18	12 Nov 2021	49	12.04	87.21	5.6	33.54	7.7	25.4	0.55
F18	12 Nov 2021	50	12.01	87.19	5.6	33.54	7.7	25.5	0.55
F18	12 Nov 2021	51	12.00	87.04	5.5	33.55	7.7	25.5	0.54
F18	12 Nov 2021	52	11.99	86.71	5.5	33.55	7.7	25.5	0.54
F18	12 Nov 2021	53	11.94	86.92	5.5	33.56	7.7	25.5	0.50
F18	12 Nov 2021	54	11.92	87.32	5.5	33.56	7.7	25.5	0.51
F18	12 Nov 2021	55	11.91	87.33	5.5	33.56	7.7	25.5	0.49
F18	12 Nov 2021	56	11.91	87.35	5.5	33.56	7.7	25.5	0.48
F18	12 Nov 2021	57	11.90	87.04	5.4	33.57	7.7	25.5	0.48
F18	12 Nov 2021	58	11.88	86.19	5.2	33.58	7.7	25.5	0.47
F18	12 Nov 2021	59	11.85	85.64	5.1	33.59	7.7	25.5	0.47
F18	12 Nov 2021	60	11.80	85.92	5.1	33.60	7.7	25.5	0.45
F18	12 Nov 2021	61	11.79	87.10	5.0	33.61	7.7	25.5	0.46
F18	12 Nov 2021	62	11.79	87.52	5.0	33.61	7.7	25.5	0.42
F18	12 Nov 2021	63	11.73	87.22	4.9	33.61	7.7	25.6	0.42
F18	12 Nov 2021	64	11.71	86.84	4.8	33.60	7.7	25.6	0.42
F18	12 Nov 2021	65	11.71	86.85	4.8	33.61	7.7	25.6	0.40
F18	12 Nov 2021	66	11.69	86.97	4.8	33.61	7.6	25.6	0.37
F18	12 Nov 2021	67	11.67	87.07	4.8	33.61	7.6	25.6	0.36
F18	12 Nov 2021	68	11.64	87.20	4.8	33.62	7.6	25.6	0.36
F18	12 Nov 2021	69	11.60	87.13	4.7	33.64	7.6	25.6	0.35
F18	12 Nov 2021	70	11.57	87.18	4.7	33.64	7.6	25.6	0.35
F18	12 Nov 2021	71	11.56	87.02	4.7	33.64	7.6	25.6	0.34
F18	12 Nov 2021	72	11.53	86.72	4.6	33.65	7.6	25.6	0.34
F18	12 Nov 2021	73	11.52	86.56	4.6	33.65	7.6	25.6	0.34
F18	12 Nov 2021	74	11.52	86.48	4.6	33.65	7.6	25.6	0.33
F18	12 Nov 2021	75	11.50	86.10	4.5	33.66	7.6	25.6	0.32
F18	12 Nov 2021	76	11.51	86.24	4.5	33.66	7.6	25.6	0.32
F18	12 Nov 2021	77	11.49	86.29	4.5	33.66	7.6	25.6	0.32
F18	12 Nov 2021	78	11.48	86.50	4.5	33.66	7.6	25.6	0.32
F18	12 Nov 2021	79	11.48	86.53	4.4	33.66	7.6	25.6	0.31
F18	12 Nov 2021	80	11.45	86.40	4.4	33.67	7.6	25.7	0.31
F18	12 Nov 2021	81	11.40	85.54	4.3	33.69	7.6	25.7	0.31
F18	12 Nov 2021	82	11.40	85.02	4.2	33.69	7.6	25.7	0.30
F19	12 Nov 2021	1	17.67	85.21	7.9	33.51	8.0	24.2	0.44
F19	12 Nov 2021	2	17.67	85.63	7.9	33.51	8.0	24.2	0.43
F19	12 Nov 2021	3	17.45	85.66	7.9	33.53	8.0	24.3	0.43
F19	12 Nov 2021	4	17.40	85.50	7.9	33.51	8.0	24.3	0.45
F19	12 Nov 2021	5	17.37	85.08	7.9	33.51	8.0	24.3	0.47
F19	12 Nov 2021	6	17.31	85.56	7.9	33.52	8.0	24.3	0.51
F19	12 Nov 2021	7	17.28	85.55	7.9	33.51	8.0	24.3	0.51
F19	12 Nov 2021	8	17.26	85.54	7.9	33.51	8.0	24.3	0.53
F19	12 Nov 2021	9	17.22	85.53	7.9	33.51	8.0	24.3	0.57
F19	12 Nov 2021	10	17.03	85.56	7.9	33.53	8.0	24.4	0.62
F19	12 Nov 2021	11	16.62	85.48	7.9	33.54	8.0	24.5	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F19	12 Nov 2021	12	16.29	84.87	8.0	33.51	8.0	24.5	0.69
F19	12 Nov 2021	13	16.14	85.03	8.0	33.50	8.0	24.6	0.78
F19	12 Nov 2021	14	15.87	84.63	7.9	33.50	8.0	24.6	0.91
F19	12 Nov 2021	15	15.70	84.62	7.8	33.49	8.0	24.7	1.04
F19	12 Nov 2021	16	15.50	84.67	7.7	33.47	8.0	24.7	1.28
F19	12 Nov 2021	17	15.43	84.84	7.6	33.44	7.9	24.7	1.39
F19	12 Nov 2021	18	15.26	85.15	7.5	33.44	7.9	24.7	1.49
F19	12 Nov 2021	19	15.09	85.32	7.5	33.43	7.9	24.7	1.57
F19	12 Nov 2021	20	14.70	85.81	7.5	33.42	7.9	24.8	1.56
F19	12 Nov 2021	21	14.44	85.94	7.5	33.38	7.9	24.8	1.56
F19	12 Nov 2021	22	14.07	86.05	7.4	33.43	7.9	25.0	1.53
F19	12 Nov 2021	23	13.72	86.41	7.2	33.42	7.9	25.0	1.50
F19	12 Nov 2021	24	13.53	86.75	7.2	33.40	7.9	25.0	1.42
F19	12 Nov 2021	25	13.37	86.95	7.2	33.39	7.9	25.1	1.32
F19	12 Nov 2021	26	13.29	87.06	7.1	33.38	7.9	25.1	1.28
F19	12 Nov 2021	27	13.12	87.13	7.1	33.40	7.8	25.1	1.19
F19	12 Nov 2021	28	12.96	87.34	7.0	33.39	7.8	25.2	1.16
F19	12 Nov 2021	29	12.90	87.40	7.0	33.40	7.8	25.2	1.12
F19	12 Nov 2021	30	12.85	87.45	6.9	33.39	7.8	25.2	1.04
F19	12 Nov 2021	31	12.83	87.46	6.9	33.39	7.8	25.2	0.99
F19	12 Nov 2021	32	12.81	87.50	6.9	33.40	7.8	25.2	0.98
F19	12 Nov 2021	33	12.78	87.50	6.9	33.40	7.8	25.2	0.93
F19	12 Nov 2021	34	12.75	87.51	6.8	33.40	7.8	25.2	0.94
F19	12 Nov 2021	35	12.73	87.49	6.8	33.40	7.8	25.2	0.91
F19	12 Nov 2021	36	12.73	87.51	6.8	33.40	7.8	25.2	0.90
F19	12 Nov 2021	37	12.62	87.51	6.7	33.43	7.8	25.2	0.89
F19	12 Nov 2021	38	12.50	87.56	6.6	33.45	7.8	25.3	0.88
F19	12 Nov 2021	39	12.42	87.66	6.4	33.46	7.8	25.3	0.87
F19	12 Nov 2021	40	12.42	87.59	6.3	33.47	7.8	25.3	0.82
F19	12 Nov 2021	41	12.40	87.35	6.2	33.47	7.8	25.3	0.79
F19	12 Nov 2021	42	12.36	87.25	6.1	33.48	7.8	25.3	0.77
F19	12 Nov 2021	43	12.34	87.42	6.1	33.48	7.8	25.3	0.78
F19	12 Nov 2021	44	12.32	87.50	6.1	33.48	7.8	25.4	0.75
F19	12 Nov 2021	45	12.27	87.57	6.0	33.49	7.8	25.4	0.74
F19	12 Nov 2021	46	12.23	87.50	5.9	33.51	7.8	25.4	0.70
F19	12 Nov 2021	47	12.17	87.41	5.8	33.52	7.8	25.4	0.69
F19	12 Nov 2021	48	12.12	87.41	5.8	33.53	7.7	25.4	0.67
F19	12 Nov 2021	49	12.06	87.56	5.7	33.54	7.7	25.4	0.63
F19	12 Nov 2021	50	12.03	87.56	5.7	33.54	7.7	25.4	0.62
F19	12 Nov 2021	51	12.01	87.54	5.6	33.54	7.7	25.5	0.60
F19	12 Nov 2021	52	12.00	87.56	5.6	33.55	7.7	25.5	0.56
F19	12 Nov 2021	53	11.92	87.50	5.5	33.57	7.7	25.5	0.54
F19	12 Nov 2021	54	11.84	87.37	5.4	33.58	7.7	25.5	0.55
F19	12 Nov 2021	55	11.82	87.31	5.3	33.58	7.7	25.5	0.52
F19	12 Nov 2021	56	11.79	87.41	5.2	33.57	7.7	25.5	0.48
F19	12 Nov 2021	57	11.79	87.58	5.2	33.57	7.7	25.5	0.45
F19	12 Nov 2021	58	11.80	87.68	5.2	33.58	7.7	25.5	0.43
F19	12 Nov 2021	59	11.81	87.77	5.1	33.60	7.7	25.5	0.43
F19	12 Nov 2021	60	11.80	87.84	5.1	33.60	7.7	25.5	0.42
F19	12 Nov 2021	61	11.80	87.85	5.1	33.61	7.7	25.5	0.41
F19	12 Nov 2021	62	11.80	87.83	5.1	33.61	7.7	25.5	0.41
F19	12 Nov 2021	63	11.79	87.73	5.1	33.61	7.7	25.5	0.41
F19	12 Nov 2021	64	11.74	87.75	5.0	33.62	7.7	25.6	0.42
F19	12 Nov 2021	65	11.70	87.43	4.9	33.62	7.7	25.6	0.41
F19	12 Nov 2021	66	11.67	87.30	4.9	33.62	7.7	25.6	0.40
F19	12 Nov 2021	67	11.65	87.42	4.8	33.62	7.7	25.6	0.38
F19	12 Nov 2021	68	11.63	87.36	4.8	33.62	7.7	25.6	0.38
F19	12 Nov 2021	69	11.59	87.33	4.8	33.63	7.6	25.6	0.36
F19	12 Nov 2021	70	11.56	87.32	4.7	33.63	7.6	25.6	0.35
F19	12 Nov 2021	71	11.53	87.15	4.6	33.63	7.6	25.6	0.34
F19	12 Nov 2021	72	11.51	86.99	4.6	33.64	7.6	25.6	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F19	12 Nov 2021	73	11.51	87.16	4.5	33.65	7.6	25.6	0.33
F19	12 Nov 2021	74	11.50	86.91	4.5	33.66	7.6	25.6	0.32
F19	12 Nov 2021	75	11.49	86.82	4.5	33.66	7.6	25.6	0.31
F19	12 Nov 2021	76	11.46	86.64	4.5	33.67	7.6	25.7	0.32
F19	12 Nov 2021	77	11.45	86.59	4.4	33.67	7.6	25.7	0.33
F19	12 Nov 2021	78	11.44	86.67	4.4	33.68	7.6	25.7	0.31
F19	12 Nov 2021	79	11.44	86.65	4.4	33.68	7.6	25.7	0.31
F19	12 Nov 2021	80	11.43	86.71	4.4	33.69	7.6	25.7	0.31
F19	12 Nov 2021	81	11.41	86.62	4.3	33.70	7.6	25.7	0.31
F19	12 Nov 2021	82	11.40	86.52	4.3	33.70	7.6	25.7	0.31
F19	12 Nov 2021	83	11.38	86.07	4.3	33.71	7.6	25.7	0.31
F20	12 Nov 2021	1	17.49	83.38	7.9	33.51	8.0	24.3	0.43
F20	12 Nov 2021	2	17.48	85.93	7.9	33.51	8.0	24.3	0.44
F20	12 Nov 2021	3	17.35	85.91	7.9	33.52	8.0	24.3	0.43
F20	12 Nov 2021	4	17.31	85.77	8.0	33.51	8.0	24.3	0.44
F20	12 Nov 2021	5	17.30	85.71	7.9	33.51	8.0	24.3	0.46
F20	12 Nov 2021	6	17.30	85.77	7.9	33.51	8.0	24.3	0.47
F20	12 Nov 2021	7	17.29	85.66	8.0	33.51	8.0	24.3	0.51
F20	12 Nov 2021	8	17.29	85.70	7.9	33.51	8.0	24.3	0.54
F20	12 Nov 2021	9	17.28	85.66	7.9	33.51	8.0	24.3	0.55
F20	12 Nov 2021	10	17.27	85.64	7.9	33.51	8.0	24.3	0.61
F20	12 Nov 2021	11	17.18	85.75	7.9	33.52	8.0	24.3	0.61
F20	12 Nov 2021	12	16.92	85.89	7.9	33.53	8.0	24.4	0.61
F20	12 Nov 2021	13	16.73	85.91	8.0	33.51	8.0	24.4	0.63
F20	12 Nov 2021	14	16.43	85.85	8.0	33.52	8.0	24.5	0.68
F20	12 Nov 2021	15	16.22	85.73	8.0	33.50	8.0	24.5	0.76
F20	12 Nov 2021	16	16.10	85.47	8.0	33.49	8.0	24.6	0.90
F20	12 Nov 2021	17	15.96	85.07	7.9	33.50	8.0	24.6	1.08
F20	12 Nov 2021	18	15.71	84.88	7.8	33.52	8.0	24.7	1.25
F20	12 Nov 2021	19	15.40	85.01	7.7	33.47	8.0	24.7	1.51
F20	12 Nov 2021	20	15.17	85.44	7.5	33.46	7.9	24.7	1.60
F20	12 Nov 2021	21	14.73	85.91	7.4	33.45	7.9	24.8	1.62
F20	12 Nov 2021	22	14.17	86.15	7.4	33.40	7.9	24.9	1.60
F20	12 Nov 2021	23	13.92	86.66	7.3	33.40	7.9	25.0	1.46
F20	12 Nov 2021	24	13.61	87.01	7.2	33.41	7.9	25.0	1.41
F20	12 Nov 2021	25	13.25	87.18	7.1	33.40	7.9	25.1	1.34
F20	12 Nov 2021	26	13.14	87.41	7.1	33.40	7.8	25.1	1.23
F20	12 Nov 2021	27	12.86	87.56	7.0	33.41	7.8	25.2	1.12
F20	12 Nov 2021	28	12.74	87.77	6.9	33.39	7.8	25.2	1.07
F20	12 Nov 2021	29	12.69	87.84	6.9	33.40	7.8	25.2	0.98
F20	12 Nov 2021	30	12.65	87.89	6.8	33.40	7.8	25.2	0.90
F20	12 Nov 2021	31	12.62	87.87	6.7	33.41	7.8	25.2	0.84
F20	12 Nov 2021	32	12.52	87.79	6.6	33.44	7.8	25.3	0.81
F20	12 Nov 2021	33	12.39	87.78	6.4	33.46	7.8	25.3	0.82
F20	12 Nov 2021	34	12.36	87.93	6.3	33.47	7.8	25.3	0.80
F20	12 Nov 2021	35	12.35	87.55	6.1	33.48	7.8	25.3	0.75
F20	12 Nov 2021	36	12.34	86.88	6.0	33.49	7.8	25.3	0.78
F20	12 Nov 2021	37	12.29	86.72	6.0	33.50	7.8	25.4	0.73
F20	12 Nov 2021	38	12.22	86.84	5.9	33.51	7.8	25.4	0.71
F20	12 Nov 2021	39	12.18	86.55	5.8	33.51	7.8	25.4	0.70
F20	12 Nov 2021	40	12.16	86.49	5.7	33.52	7.7	25.4	0.67
F20	12 Nov 2021	41	12.16	86.34	5.6	33.52	7.7	25.4	0.66
F20	12 Nov 2021	42	12.14	86.28	5.6	33.53	7.7	25.4	0.62
F20	12 Nov 2021	43	12.12	86.25	5.6	33.53	7.7	25.4	0.61
F20	12 Nov 2021	44	12.10	85.97	5.5	33.54	7.7	25.4	0.59
F20	12 Nov 2021	45	12.02	85.88	5.5	33.56	7.7	25.5	0.60
F20	12 Nov 2021	46	11.96	86.48	5.4	33.56	7.7	25.5	0.55
F20	12 Nov 2021	47	11.94	86.88	5.4	33.57	7.7	25.5	0.54
F20	12 Nov 2021	48	11.91	87.25	5.4	33.57	7.7	25.5	0.51
F20	12 Nov 2021	49	11.84	87.30	5.3	33.59	7.7	25.5	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F20	12 Nov 2021	50	11.78	87.37	5.2	33.59	7.7	25.5	0.46
F20	12 Nov 2021	51	11.76	87.40	5.1	33.60	7.7	25.5	0.45
F20	12 Nov 2021	52	11.73	87.33	5.0	33.61	7.7	25.6	0.43
F20	12 Nov 2021	53	11.69	87.14	5.0	33.62	7.7	25.6	0.41
F20	12 Nov 2021	54	11.64	87.34	4.9	33.63	7.7	25.6	0.39
F20	12 Nov 2021	55	11.58	87.33	4.8	33.62	7.7	25.6	0.37
F20	12 Nov 2021	56	11.57	87.34	4.7	33.62	7.6	25.6	0.36
F20	12 Nov 2021	57	11.57	87.42	4.7	33.62	7.6	25.6	0.33
F20	12 Nov 2021	58	11.57	87.49	4.6	33.62	7.6	25.6	0.31
F20	12 Nov 2021	59	11.57	87.59	4.7	33.62	7.6	25.6	0.31
F20	12 Nov 2021	60	11.57	87.60	4.7	33.62	7.6	25.6	0.30
F20	12 Nov 2021	61	11.57	87.56	4.7	33.62	7.6	25.6	0.30
F20	12 Nov 2021	62	11.55	87.56	4.7	33.63	7.6	25.6	0.30
F20	12 Nov 2021	63	11.52	87.55	4.6	33.64	7.6	25.6	0.31
F20	12 Nov 2021	64	11.51	87.49	4.6	33.64	7.6	25.6	0.30
F20	12 Nov 2021	65	11.49	87.47	4.5	33.64	7.6	25.6	0.29
F20	12 Nov 2021	66	11.49	87.41	4.5	33.64	7.6	25.6	0.29
F20	12 Nov 2021	67	11.48	87.50	4.5	33.65	7.6	25.6	0.29
F20	12 Nov 2021	68	11.47	87.48	4.5	33.65	7.6	25.6	0.28
F20	12 Nov 2021	69	11.47	87.45	4.4	33.65	7.6	25.6	0.28
F20	12 Nov 2021	70	11.46	87.51	4.5	33.66	7.6	25.6	0.28
F20	12 Nov 2021	71	11.45	87.40	4.5	33.67	7.6	25.7	0.28
F20	12 Nov 2021	72	11.44	87.32	4.4	33.67	7.6	25.7	0.28
F20	12 Nov 2021	73	11.43	87.34	4.4	33.68	7.6	25.7	0.28
F20	12 Nov 2021	74	11.43	87.33	4.4	33.68	7.6	25.7	0.29
F20	12 Nov 2021	75	11.42	87.21	4.4	33.69	7.6	25.7	0.28
F20	12 Nov 2021	76	11.42	87.17	4.4	33.69	7.6	25.7	0.29
F20	12 Nov 2021	77	11.41	87.20	4.4	33.69	7.6	25.7	0.28
F20	12 Nov 2021	78	11.40	87.11	4.4	33.70	7.6	25.7	0.29
F20	12 Nov 2021	79	11.38	87.00	4.4	33.71	7.6	25.7	0.29
F20	12 Nov 2021	80	11.37	86.67	4.3	33.72	7.6	25.7	0.29
F20	12 Nov 2021	81	11.32	86.00	4.3	33.74	7.6	25.7	0.29
F20	12 Nov 2021	82	11.28	84.85	4.2	33.76	7.6	25.8	0.29
F20	12 Nov 2021	83	11.27	84.56	4.1	33.77	7.6	25.8	0.29
F21	12 Nov 2021	1	17.56	85.76	8.0	33.52	8.0	24.2	0.48
F21	12 Nov 2021	2	17.51	85.60	8.0	33.52	8.0	24.3	0.46
F21	12 Nov 2021	3	17.46	85.88	8.0	33.52	8.0	24.3	0.47
F21	12 Nov 2021	4	17.39	85.88	8.0	33.51	8.0	24.3	0.47
F21	12 Nov 2021	5	17.38	85.76	8.0	33.51	8.0	24.3	0.47
F21	12 Nov 2021	6	17.37	85.78	8.0	33.51	8.0	24.3	0.49
F21	12 Nov 2021	7	17.28	85.83	8.0	33.52	8.0	24.3	0.52
F21	12 Nov 2021	8	17.16	86.02	8.0	33.53	8.0	24.3	0.52
F21	12 Nov 2021	9	16.74	86.09	8.0	33.55	8.0	24.5	0.56
F21	12 Nov 2021	10	16.36	86.17	8.1	33.53	8.0	24.5	0.57
F21	12 Nov 2021	11	16.23	86.13	8.1	33.50	8.0	24.5	0.61
F21	12 Nov 2021	12	16.18	85.95	8.0	33.50	8.0	24.5	0.65
F21	12 Nov 2021	13	16.03	85.71	8.0	33.51	8.0	24.6	0.74
F21	12 Nov 2021	14	15.90	85.32	8.0	33.50	8.0	24.6	0.91
F21	12 Nov 2021	15	15.78	85.14	7.9	33.49	8.0	24.6	1.13
F21	12 Nov 2021	16	15.64	85.21	7.8	33.49	8.0	24.7	1.32
F21	12 Nov 2021	17	15.34	85.34	7.6	33.49	8.0	24.7	1.53
F21	12 Nov 2021	18	15.15	85.71	7.6	33.46	7.9	24.8	1.69
F21	12 Nov 2021	19	15.06	86.00	7.5	33.44	7.9	24.8	1.62
F21	12 Nov 2021	20	14.75	86.37	7.4	33.45	7.9	24.8	1.54
F21	12 Nov 2021	21	14.33	86.53	7.3	33.42	7.9	24.9	1.53
F21	12 Nov 2021	22	13.90	86.78	7.3	33.43	7.9	25.0	1.45
F21	12 Nov 2021	23	13.75	87.16	7.2	33.38	7.9	25.0	1.37
F21	12 Nov 2021	24	13.71	87.33	7.2	33.38	7.9	25.0	1.29
F21	12 Nov 2021	25	13.63	87.37	7.1	33.39	7.9	25.0	1.24
F21	12 Nov 2021	26	13.53	87.44	7.1	33.39	7.8	25.0	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F21	12 Nov 2021	27	13.37	87.53	7.1	33.40	7.8	25.1	1.17
F21	12 Nov 2021	28	13.21	87.64	7.0	33.39	7.8	25.1	1.16
F21	12 Nov 2021	29	13.01	87.70	7.0	33.40	7.8	25.2	1.12
F21	12 Nov 2021	30	12.86	87.83	7.0	33.39	7.8	25.2	1.05
F21	12 Nov 2021	31	12.72	87.95	6.9	33.41	7.8	25.2	1.03
F21	12 Nov 2021	32	12.63	88.08	6.8	33.41	7.8	25.2	0.97
F21	12 Nov 2021	33	12.61	88.06	6.8	33.41	7.8	25.2	0.93
F21	12 Nov 2021	34	12.57	88.15	6.7	33.41	7.8	25.2	0.86
F21	12 Nov 2021	35	12.53	88.13	6.7	33.42	7.8	25.3	0.84
F21	12 Nov 2021	36	12.51	88.23	6.7	33.42	7.8	25.3	0.79
F21	12 Nov 2021	37	12.45	88.24	6.6	33.43	7.8	25.3	0.76
F21	12 Nov 2021	38	12.37	88.24	6.5	33.46	7.8	25.3	0.75
F21	12 Nov 2021	39	12.34	88.26	6.3	33.47	7.8	25.3	0.73
F21	12 Nov 2021	40	12.33	88.23	6.3	33.47	7.8	25.3	0.72
F21	12 Nov 2021	41	12.28	88.25	6.2	33.48	7.8	25.4	0.70
F21	12 Nov 2021	42	12.22	88.25	6.1	33.50	7.8	25.4	0.70
F21	12 Nov 2021	43	12.17	88.26	6.0	33.51	7.8	25.4	0.67
F21	12 Nov 2021	44	12.13	88.29	5.9	33.52	7.8	25.4	0.66
F21	12 Nov 2021	45	12.11	88.27	5.8	33.52	7.7	25.4	0.66
F21	12 Nov 2021	46	12.03	88.23	5.8	33.53	7.7	25.4	0.60
F21	12 Nov 2021	47	11.98	88.17	5.7	33.54	7.7	25.5	0.58
F21	12 Nov 2021	48	11.96	88.14	5.6	33.55	7.7	25.5	0.56
F21	12 Nov 2021	49	11.92	88.24	5.5	33.56	7.7	25.5	0.53
F21	12 Nov 2021	50	11.89	88.33	5.5	33.56	7.7	25.5	0.51
F21	12 Nov 2021	51	11.87	88.22	5.5	33.56	7.7	25.5	0.48
F21	12 Nov 2021	52	11.85	88.15	5.5	33.56	7.7	25.5	0.47
F21	12 Nov 2021	53	11.84	88.21	5.5	33.56	7.7	25.5	0.45
F21	12 Nov 2021	54	11.82	88.25	5.5	33.56	7.7	25.5	0.44
F21	12 Nov 2021	55	11.79	88.20	5.4	33.57	7.7	25.5	0.43
F21	12 Nov 2021	56	11.78	88.25	5.4	33.58	7.7	25.5	0.42
F21	12 Nov 2021	57	11.73	88.03	5.2	33.59	7.7	25.5	0.42
F21	12 Nov 2021	58	11.69	87.89	5.0	33.59	7.7	25.5	0.41
F21	12 Nov 2021	59	11.64	87.82	4.9	33.59	7.7	25.6	0.38
F21	12 Nov 2021	60	11.61	87.63	4.8	33.58	7.6	25.6	0.36
F21	12 Nov 2021	61	11.63	87.71	4.8	33.59	7.7	25.6	0.34
F21	12 Nov 2021	62	11.63	87.62	4.8	33.62	7.7	25.6	0.32
F21	12 Nov 2021	63	11.59	87.79	4.8	33.63	7.6	25.6	0.32
F21	12 Nov 2021	64	11.57	87.78	4.7	33.63	7.6	25.6	0.32
F21	12 Nov 2021	65	11.58	87.85	4.6	33.64	7.6	25.6	0.31
F21	12 Nov 2021	66	11.53	87.80	4.5	33.66	7.6	25.6	0.31
F21	12 Nov 2021	67	11.50	87.75	4.5	33.65	7.6	25.6	0.30
F21	12 Nov 2021	68	11.50	87.40	4.5	33.65	7.6	25.6	0.29
F21	12 Nov 2021	69	11.50	87.68	4.5	33.65	7.6	25.6	0.29
F21	12 Nov 2021	70	11.49	87.72	4.5	33.65	7.6	25.6	0.29
F21	12 Nov 2021	71	11.49	87.68	4.5	33.65	7.6	25.6	0.29
F21	12 Nov 2021	72	11.49	87.69	4.5	33.65	7.6	25.6	0.29
F21	12 Nov 2021	73	11.48	87.65	4.4	33.65	7.6	25.6	0.28
F21	12 Nov 2021	74	11.47	87.62	4.5	33.66	7.6	25.6	0.29
F21	12 Nov 2021	75	11.45	87.51	4.4	33.66	7.6	25.7	0.28
F21	12 Nov 2021	76	11.44	87.35	4.4	33.67	7.6	25.7	0.28
F21	12 Nov 2021	77	11.44	87.32	4.4	33.67	7.6	25.7	0.28
F21	12 Nov 2021	78	11.43	87.29	4.4	33.67	7.6	25.7	0.28
F21	12 Nov 2021	79	11.43	87.32	4.4	33.67	7.6	25.7	0.28
F21	12 Nov 2021	80	11.40	87.00	4.4	33.70	7.6	25.7	0.28
F21	12 Nov 2021	81	11.36	86.81	4.3	33.72	7.6	25.7	0.28
F21	12 Nov 2021	82	11.34	86.24	4.3	33.73	7.6	25.7	0.28
F21	12 Nov 2021	83	11.31	86.08	4.2	33.74	7.6	25.7	0.28
F21	12 Nov 2021	84	11.31	85.61	4.2	33.75	7.6	25.7	0.28
F22	12 Nov 2021	1	17.47	85.05	8.1	33.52	8.0	24.3	0.54
F22	12 Nov 2021	2	17.47	85.17	8.1	33.52	8.0	24.3	0.53



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F22	12 Nov 2021	3	17.43	85.07	8.0	33.52	8.0	24.3	0.55
F22	12 Nov 2021	4	17.43	85.16	8.1	33.52	8.0	24.3	0.56
F22	12 Nov 2021	5	17.40	85.14	8.1	33.52	8.0	24.3	0.58
F22	12 Nov 2021	6	17.36	85.23	8.1	33.52	8.0	24.3	0.58
F22	12 Nov 2021	7	17.31	85.36	8.0	33.52	8.0	24.3	0.59
F22	12 Nov 2021	8	17.26	85.40	8.0	33.52	8.0	24.3	0.64
F22	12 Nov 2021	9	17.04	85.58	8.0	33.54	8.0	24.4	0.64
F22	12 Nov 2021	10	16.64	85.60	8.0	33.52	8.0	24.5	0.69
F22	12 Nov 2021	11	16.34	85.68	8.1	33.52	8.0	24.5	0.72
F22	12 Nov 2021	12	16.20	85.61	8.1	33.50	8.0	24.6	0.74
F22	12 Nov 2021	13	16.17	85.53	8.1	33.49	8.0	24.5	0.86
F22	12 Nov 2021	14	16.11	85.38	8.1	33.50	8.0	24.6	0.99
F22	12 Nov 2021	15	16.01	85.18	8.0	33.50	8.0	24.6	1.09
F22	12 Nov 2021	16	15.95	84.99	8.0	33.49	8.0	24.6	1.26
F22	12 Nov 2021	17	15.92	84.91	7.9	33.48	8.0	24.6	1.48
F22	12 Nov 2021	18	15.87	85.11	7.9	33.49	8.0	24.6	1.70
F22	12 Nov 2021	19	15.79	85.25	7.8	33.50	8.0	24.6	1.75
F22	12 Nov 2021	20	15.66	85.38	7.8	33.50	8.0	24.7	1.74
F22	12 Nov 2021	21	15.41	85.38	7.6	33.50	7.9	24.7	1.77
F22	12 Nov 2021	22	15.16	85.60	7.5	33.47	7.9	24.8	1.85
F22	12 Nov 2021	23	14.78	86.02	7.4	33.46	7.9	24.8	1.75
F22	12 Nov 2021	24	14.13	86.45	7.3	33.43	7.9	24.9	1.75
F22	12 Nov 2021	25	14.03	86.85	7.2	33.41	7.9	24.9	1.52
F22	12 Nov 2021	26	13.49	85.32	7.2	33.38	7.9	25.0	1.42
F22	12 Nov 2021	27	13.42	87.25	7.1	33.38	7.8	25.1	1.30
F22	12 Nov 2021	28	13.27	87.31	7.0	33.40	7.8	25.1	1.27
F22	12 Nov 2021	29	13.11	87.47	7.0	33.40	7.8	25.1	1.15
F22	12 Nov 2021	30	12.97	87.58	7.0	33.39	7.8	25.2	1.07
F22	12 Nov 2021	31	12.81	87.69	6.9	33.41	7.8	25.2	1.00
F22	12 Nov 2021	32	12.60	87.78	6.8	33.43	7.8	25.3	0.96
F22	12 Nov 2021	33	12.55	87.88	6.7	33.42	7.8	25.3	0.92
F22	12 Nov 2021	34	12.61	87.87	6.7	33.41	7.8	25.2	0.87
F22	12 Nov 2021	35	12.52	87.90	6.7	33.43	7.8	25.3	0.82
F22	12 Nov 2021	36	12.43	87.96	6.6	33.44	7.8	25.3	0.80
F22	12 Nov 2021	37	12.36	88.00	6.5	33.45	7.8	25.3	0.77
F22	12 Nov 2021	38	12.31	87.99	6.4	33.47	7.8	25.3	0.74
F22	12 Nov 2021	39	12.22	87.96	6.2	33.49	7.8	25.4	0.79
F22	12 Nov 2021	40	12.20	87.92	6.1	33.49	7.8	25.4	0.73
F22	12 Nov 2021	41	12.12	87.93	6.0	33.51	7.8	25.4	0.68
F22	12 Nov 2021	42	12.04	88.02	5.9	33.52	7.7	25.4	0.65
F22	12 Nov 2021	43	11.99	88.00	5.8	33.53	7.7	25.4	0.62
F22	12 Nov 2021	44	11.96	88.04	5.8	33.54	7.7	25.5	0.60
F22	12 Nov 2021	45	11.94	88.04	5.7	33.55	7.7	25.5	0.58
F22	12 Nov 2021	46	11.90	88.11	5.6	33.56	7.7	25.5	0.54
F22	12 Nov 2021	47	11.88	88.13	5.6	33.56	7.7	25.5	0.51
F22	12 Nov 2021	48	11.88	88.12	5.6	33.56	7.7	25.5	0.49
F22	12 Nov 2021	49	11.88	88.10	5.6	33.55	7.7	25.5	0.48
F22	12 Nov 2021	50	11.86	88.07	5.6	33.56	7.7	25.5	0.48
F22	12 Nov 2021	51	11.84	88.06	5.5	33.57	7.7	25.5	0.48
F22	12 Nov 2021	52	11.74	88.19	5.5	33.58	7.7	25.5	0.47
F22	12 Nov 2021	53	11.68	88.14	5.4	33.59	7.7	25.6	0.46
F22	12 Nov 2021	54	11.67	87.89	5.3	33.58	7.7	25.6	0.44
F22	12 Nov 2021	55	11.67	87.78	5.2	33.58	7.7	25.6	0.41
F22	12 Nov 2021	56	11.65	87.97	5.3	33.59	7.7	25.6	0.39
F22	12 Nov 2021	57	11.63	88.13	5.4	33.59	7.7	25.6	0.38
F22	12 Nov 2021	58	11.61	88.23	5.4	33.59	7.7	25.6	0.39
F22	12 Nov 2021	59	11.60	88.24	5.4	33.59	7.7	25.6	0.39
F22	12 Nov 2021	60	11.60	88.24	5.4	33.59	7.7	25.6	0.39
F22	12 Nov 2021	61	11.57	88.25	5.4	33.60	7.7	25.6	0.38
F22	12 Nov 2021	62	11.50	88.25	5.3	33.62	7.7	25.6	0.39
F22	12 Nov 2021	63	11.49	88.24	5.2	33.63	7.7	25.6	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F22	12 Nov 2021	64	11.50	88.11	5.0	33.64	7.7	25.6	0.38
F22	12 Nov 2021	65	11.50	88.02	4.9	33.64	7.7	25.6	0.37
F22	12 Nov 2021	66	11.51	87.95	4.9	33.64	7.6	25.6	0.36
F22	12 Nov 2021	67	11.51	87.99	4.9	33.64	7.6	25.6	0.35
F22	12 Nov 2021	68	11.50	87.98	4.9	33.64	7.6	25.6	0.34
F22	12 Nov 2021	69	11.50	87.98	4.9	33.64	7.6	25.6	0.34
F22	12 Nov 2021	70	11.49	87.96	4.9	33.65	7.6	25.6	0.34
F22	12 Nov 2021	71	11.47	87.92	4.8	33.65	7.6	25.6	0.34
F22	12 Nov 2021	72	11.46	87.86	4.7	33.66	7.6	25.7	0.33
F22	12 Nov 2021	73	11.46	87.60	4.6	33.67	7.6	25.7	0.33
F22	12 Nov 2021	74	11.46	87.52	4.6	33.67	7.6	25.7	0.32
F22	12 Nov 2021	75	11.46	87.47	4.5	33.67	7.6	25.7	0.32
F22	12 Nov 2021	76	11.45	87.38	4.5	33.68	7.6	25.7	0.32
F22	12 Nov 2021	77	11.42	87.19	4.5	33.69	7.6	25.7	0.32
F22	12 Nov 2021	78	11.41	87.18	4.5	33.69	7.6	25.7	0.32
F22	12 Nov 2021	79	11.38	87.08	4.5	33.70	7.6	25.7	0.32
F22	12 Nov 2021	80	11.36	86.50	4.4	33.71	7.6	25.7	0.32
F22	12 Nov 2021	81	11.32	85.21	4.3	33.73	7.6	25.7	0.31
F22	12 Nov 2021	82	11.29	82.90	4.2	33.75	7.6	25.8	0.31
F23	12 Nov 2021	1	17.52	82.54	8.2	33.52	8.0	24.3	0.84
F23	12 Nov 2021	2	17.51	83.01	8.2	33.52	8.0	24.3	0.84
F23	12 Nov 2021	3	17.50	84.20	8.2	33.52	8.0	24.3	0.83
F23	12 Nov 2021	4	17.49	84.24	8.2	33.52	8.0	24.3	0.86
F23	12 Nov 2021	5	17.41	84.50	8.2	33.53	8.0	24.3	0.84
F23	12 Nov 2021	6	17.30	84.87	8.1	33.52	8.0	24.3	0.82
F23	12 Nov 2021	7	17.29	85.06	8.1	33.52	8.0	24.3	0.84
F23	12 Nov 2021	8	17.27	84.96	8.1	33.52	8.0	24.3	0.85
F23	12 Nov 2021	9	17.19	85.22	8.1	33.53	8.0	24.3	0.88
F23	12 Nov 2021	10	16.81	85.25	8.0	33.55	8.0	24.4	0.89
F23	12 Nov 2021	11	16.48	85.31	8.0	33.53	8.0	24.5	0.95
F23	12 Nov 2021	12	16.22	85.22	8.0	33.52	8.0	24.6	1.02
F23	12 Nov 2021	13	15.98	85.04	8.0	33.52	8.0	24.6	1.17
F23	12 Nov 2021	14	15.67	84.96	7.8	33.52	8.0	24.7	1.28
F23	12 Nov 2021	15	15.42	85.51	7.7	33.48	7.9	24.7	1.44
F23	12 Nov 2021	16	15.48	85.57	7.6	33.45	7.9	24.7	1.60
F23	12 Nov 2021	17	15.30	85.91	7.6	33.48	7.9	24.7	1.54
F23	12 Nov 2021	18	15.19	85.96	7.5	33.47	7.9	24.8	1.56
F23	12 Nov 2021	19	15.08	86.00	7.5	33.47	7.9	24.8	1.65
F23	12 Nov 2021	20	14.92	86.08	7.4	33.45	7.9	24.8	1.54
F23	12 Nov 2021	21	14.70	86.25	7.4	33.44	7.9	24.8	1.59
F23	12 Nov 2021	22	14.53	86.51	7.3	33.43	7.9	24.9	1.57
F23	12 Nov 2021	23	14.29	86.66	7.2	33.44	7.9	24.9	1.47
F23	12 Nov 2021	24	13.95	86.68	7.1	33.48	7.8	25.0	1.47
F23	12 Nov 2021	25	13.65	86.84	7.0	33.44	7.8	25.1	1.45
F23	12 Nov 2021	26	13.38	87.25	7.0	33.42	7.8	25.1	1.37
F23	12 Nov 2021	27	13.20	87.38	7.0	33.40	7.8	25.1	1.28
F23	12 Nov 2021	28	13.14	87.54	7.0	33.39	7.8	25.1	1.13
F23	12 Nov 2021	29	13.10	87.65	7.0	33.39	7.8	25.1	1.04
F23	12 Nov 2021	30	13.03	87.73	6.9	33.40	7.8	25.1	1.00
F23	12 Nov 2021	31	13.00	87.73	6.9	33.40	7.8	25.2	0.96
F23	12 Nov 2021	32	12.92	87.79	6.8	33.42	7.8	25.2	0.93
F23	12 Nov 2021	33	12.82	87.89	6.8	33.42	7.8	25.2	0.90
F23	12 Nov 2021	34	12.73	87.95	6.8	33.43	7.8	25.2	0.86
F23	12 Nov 2021	35	12.68	87.98	6.7	33.42	7.8	25.2	0.81
F23	12 Nov 2021	36	12.55	87.97	6.7	33.44	7.8	25.3	0.80
F23	12 Nov 2021	37	12.47	88.04	6.6	33.44	7.8	25.3	0.79
F23	12 Nov 2021	38	12.43	88.07	6.6	33.44	7.8	25.3	0.76
F23	12 Nov 2021	39	12.39	88.08	6.5	33.45	7.8	25.3	0.76
F23	12 Nov 2021	40	12.40	88.08	6.5	33.44	7.8	25.3	0.73
F23	12 Nov 2021	41	12.34	88.13	6.4	33.46	7.8	25.3	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F23	12 Nov 2021	42	12.34	88.12	6.4	33.45	7.8	25.3	0.70
F23	12 Nov 2021	43	12.27	88.13	6.4	33.47	7.8	25.4	0.68
F23	12 Nov 2021	44	12.18	88.15	6.2	33.49	7.8	25.4	0.68
F23	12 Nov 2021	45	12.16	88.14	6.1	33.49	7.8	25.4	0.66
F23	12 Nov 2021	46	12.07	88.12	6.0	33.52	7.7	25.4	0.64
F23	12 Nov 2021	47	12.01	88.12	5.9	33.52	7.7	25.4	0.64
F23	12 Nov 2021	48	11.99	88.09	5.8	33.53	7.7	25.4	0.61
F23	12 Nov 2021	49	11.97	88.02	5.8	33.53	7.7	25.5	0.60
F23	12 Nov 2021	50	11.94	87.97	5.7	33.54	7.7	25.5	0.57
F23	12 Nov 2021	51	11.89	87.96	5.6	33.55	7.7	25.5	0.56
F23	12 Nov 2021	52	11.85	87.93	5.5	33.56	7.7	25.5	0.53
F23	12 Nov 2021	53	11.85	87.90	5.4	33.56	7.7	25.5	0.51
F23	12 Nov 2021	54	11.82	87.85	5.4	33.57	7.7	25.5	0.49
F23	12 Nov 2021	55	11.78	87.82	5.3	33.59	7.7	25.5	0.48
F23	12 Nov 2021	56	11.74	87.83	5.3	33.59	7.7	25.5	0.46
F23	12 Nov 2021	57	11.69	87.84	5.2	33.61	7.7	25.6	0.46
F23	12 Nov 2021	58	11.67	87.99	5.2	33.61	7.7	25.6	0.44
F23	12 Nov 2021	59	11.65	88.04	5.2	33.61	7.7	25.6	0.43
F23	12 Nov 2021	60	11.62	88.06	5.2	33.62	7.7	25.6	0.41
F23	12 Nov 2021	61	11.57	87.91	5.0	33.63	7.7	25.6	0.40
F23	12 Nov 2021	62	11.57	87.75	4.9	33.63	7.6	25.6	0.38
F23	12 Nov 2021	63	11.57	87.61	4.8	33.63	7.6	25.6	0.37
F23	12 Nov 2021	64	11.57	87.37	4.8	33.63	7.6	25.6	0.36
F23	12 Nov 2021	65	11.57	87.62	4.8	33.63	7.6	25.6	0.36
F23	12 Nov 2021	66	11.57	87.57	4.8	33.64	7.6	25.6	0.35
F23	12 Nov 2021	67	11.57	87.54	4.8	33.64	7.6	25.6	0.34
F23	12 Nov 2021	68	11.57	87.51	4.7	33.64	7.6	25.6	0.35
F23	12 Nov 2021	69	11.57	87.48	4.8	33.64	7.6	25.6	0.34
F23	12 Nov 2021	70	11.55	87.40	4.7	33.65	7.6	25.6	0.34
F23	12 Nov 2021	71	11.53	87.29	4.6	33.65	7.6	25.6	0.34
F23	12 Nov 2021	72	11.53	87.22	4.6	33.66	7.6	25.6	0.34
F23	12 Nov 2021	73	11.49	86.81	4.5	33.68	7.6	25.7	0.33
F23	12 Nov 2021	74	11.47	86.36	4.5	33.69	7.6	25.7	0.34
F23	12 Nov 2021	75	11.46	86.18	4.4	33.69	7.6	25.7	0.33
F23	12 Nov 2021	76	11.43	86.19	4.4	33.70	7.6	25.7	0.33
F23	12 Nov 2021	77	11.42	86.21	4.4	33.70	7.6	25.7	0.32
F23	12 Nov 2021	78	11.40	85.71	4.3	33.71	7.6	25.7	0.32
F23	12 Nov 2021	79	11.36	85.03	4.2	33.73	7.6	25.7	0.32
F23	12 Nov 2021	80	11.35	84.67	4.2	33.73	7.6	25.7	0.32
F23	12 Nov 2021	81	11.33	84.13	4.2	33.74	7.6	25.7	0.32
F23	12 Nov 2021	82	11.32	83.07	4.1	33.74	7.6	25.7	0.31
F24	12 Nov 2021	1	17.65	84.26	8.3	33.53	8.1	24.2	0.73
F24	12 Nov 2021	2	17.60	84.05	8.4	33.53	8.1	24.2	0.72
F24	12 Nov 2021	3	17.59	83.80	8.4	33.53	8.1	24.2	0.74
F24	12 Nov 2021	4	17.59	83.70	8.4	33.53	8.1	24.2	0.75
F24	12 Nov 2021	5	17.58	83.74	8.4	33.53	8.1	24.2	0.81
F24	12 Nov 2021	6	17.58	83.72	8.3	33.53	8.1	24.2	0.85
F24	12 Nov 2021	7	17.57	83.75	8.3	33.53	8.1	24.2	0.89
F24	12 Nov 2021	8	17.55	83.96	8.3	33.53	8.1	24.3	0.90
F24	12 Nov 2021	9	17.50	84.03	8.3	33.54	8.0	24.3	0.93
F24	12 Nov 2021	10	17.29	84.43	8.2	33.55	8.0	24.3	0.99
F24	12 Nov 2021	11	17.02	84.93	8.1	33.55	8.0	24.4	0.97
F24	12 Nov 2021	12	16.70	85.14	8.0	33.53	8.0	24.5	0.98
F24	12 Nov 2021	13	16.51	85.13	7.9	33.52	8.0	24.5	1.10
F24	12 Nov 2021	14	16.03	84.70	7.8	33.56	8.0	24.6	1.02
F24	12 Nov 2021	15	15.76	84.63	7.8	33.48	8.0	24.6	1.20
F24	12 Nov 2021	16	15.73	84.86	7.6	33.52	7.9	24.7	1.48
F24	12 Nov 2021	17	14.96	85.56	7.5	33.47	7.9	24.8	1.66
F24	12 Nov 2021	18	14.92	85.89	7.4	33.45	7.9	24.8	1.68
F24	12 Nov 2021	19	14.74	85.90	7.3	33.47	7.9	24.8	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F24	12 Nov 2021	20	14.32	86.13	7.3	33.45	7.9	24.9	1.59
F24	12 Nov 2021	21	14.18	86.45	7.3	33.41	7.9	24.9	1.59
F24	12 Nov 2021	22	14.08	86.13	7.2	33.40	7.9	24.9	1.44
F24	12 Nov 2021	23	13.99	86.85	7.2	33.40	7.9	25.0	1.43
F24	12 Nov 2021	24	13.87	87.04	7.2	33.39	7.9	25.0	1.33
F24	12 Nov 2021	25	13.75	87.15	7.1	33.42	7.9	25.0	1.25
F24	12 Nov 2021	26	13.53	87.07	7.0	33.43	7.8	25.1	1.20
F24	12 Nov 2021	27	13.36	87.11	6.9	33.45	7.8	25.1	1.15
F24	12 Nov 2021	28	13.22	87.17	6.8	33.44	7.8	25.1	1.16
F24	12 Nov 2021	29	13.11	87.27	6.8	33.43	7.8	25.2	1.11
F24	12 Nov 2021	30	13.04	87.41	6.8	33.43	7.8	25.2	1.03
F24	12 Nov 2021	31	12.97	87.57	6.8	33.42	7.8	25.2	0.96
F24	12 Nov 2021	32	12.93	87.45	6.8	33.42	7.8	25.2	0.91
F24	12 Nov 2021	33	12.91	87.70	6.8	33.41	7.8	25.2	0.91
F24	12 Nov 2021	34	12.90	87.74	6.7	33.41	7.8	25.2	0.84
F24	12 Nov 2021	35	12.87	87.73	6.7	33.42	7.8	25.2	0.80
F24	12 Nov 2021	36	12.73	87.77	6.7	33.45	7.8	25.2	0.80
F24	12 Nov 2021	37	12.59	87.88	6.6	33.45	7.8	25.3	0.78
F24	12 Nov 2021	38	12.46	87.91	6.6	33.46	7.8	25.3	0.72
F24	12 Nov 2021	39	12.36	87.93	6.5	33.45	7.8	25.3	0.68
F24	12 Nov 2021	40	12.35	87.97	6.5	33.45	7.8	25.3	0.68
F24	12 Nov 2021	41	12.34	87.98	6.5	33.45	7.8	25.3	0.66
F24	12 Nov 2021	42	12.32	87.98	6.4	33.45	7.8	25.3	0.66
F24	12 Nov 2021	43	12.30	87.97	6.4	33.46	7.8	25.3	0.65
F24	12 Nov 2021	44	12.26	87.97	6.4	33.47	7.8	25.4	0.64
F24	12 Nov 2021	45	12.09	88.02	6.2	33.52	7.8	25.4	0.63
F24	12 Nov 2021	46	11.99	88.06	6.0	33.52	7.8	25.4	0.63
F24	12 Nov 2021	47	11.97	88.08	5.9	33.52	7.7	25.4	0.60
F24	12 Nov 2021	48	11.97	88.08	5.9	33.52	7.7	25.4	0.57
F24	12 Nov 2021	49	11.96	88.05	5.8	33.53	7.7	25.5	0.56
F24	12 Nov 2021	50	11.96	88.08	5.8	33.53	7.7	25.5	0.52
F24	12 Nov 2021	51	11.95	88.05	5.8	33.53	7.7	25.5	0.51
F24	12 Nov 2021	52	11.95	88.04	5.7	33.53	7.7	25.5	0.51
F24	12 Nov 2021	53	11.95	88.04	5.7	33.53	7.7	25.5	0.50
F24	12 Nov 2021	54	11.94	88.03	5.7	33.54	7.7	25.5	0.50
F24	12 Nov 2021	55	11.90	87.96	5.6	33.55	7.7	25.5	0.49
F24	12 Nov 2021	56	11.86	87.86	5.5	33.56	7.7	25.5	0.49
F24	12 Nov 2021	57	11.82	87.76	5.4	33.57	7.7	25.5	0.47
F24	12 Nov 2021	58	11.77	87.65	5.3	33.58	7.7	25.5	0.45
F24	12 Nov 2021	59	11.71	87.61	5.2	33.60	7.7	25.6	0.45
F24	12 Nov 2021	60	11.68	87.57	5.1	33.61	7.7	25.6	0.41
F24	12 Nov 2021	61	11.63	87.44	5.0	33.62	7.7	25.6	0.40
F24	12 Nov 2021	62	11.61	87.26	4.8	33.63	7.6	25.6	0.39
F24	12 Nov 2021	63	11.59	87.13	4.8	33.64	7.6	25.6	0.37
F24	12 Nov 2021	64	11.59	87.09	4.7	33.64	7.6	25.6	0.35
F24	12 Nov 2021	65	11.58	87.05	4.7	33.64	7.6	25.6	0.35
F24	12 Nov 2021	66	11.58	87.07	4.7	33.64	7.6	25.6	0.33
F24	12 Nov 2021	67	11.56	87.03	4.7	33.65	7.6	25.6	0.33
F24	12 Nov 2021	68	11.53	86.89	4.6	33.66	7.6	25.6	0.33
F24	12 Nov 2021	69	11.53	86.57	4.6	33.66	7.6	25.6	0.32
F24	12 Nov 2021	70	11.52	86.02	4.5	33.66	7.6	25.6	0.32
F24	12 Nov 2021	71	11.51	85.75	4.5	33.66	7.6	25.6	0.31
F24	12 Nov 2021	72	11.51	85.65	4.5	33.67	7.6	25.6	0.32
F24	12 Nov 2021	73	11.50	85.44	4.5	33.67	7.6	25.6	0.31
F24	12 Nov 2021	74	11.49	85.33	4.5	33.67	7.6	25.7	0.31
F24	12 Nov 2021	75	11.47	85.32	4.4	33.68	7.6	25.7	0.31
F24	12 Nov 2021	76	11.45	85.58	4.4	33.69	7.6	25.7	0.31
F24	12 Nov 2021	77	11.46	85.77	4.4	33.68	7.6	25.7	0.30
F24	12 Nov 2021	78	11.37	85.14	4.3	33.73	7.6	25.7	0.30
F24	12 Nov 2021	79	11.32	84.42	4.2	33.75	7.6	25.7	0.30
F24	12 Nov 2021	80	11.31	83.93	4.2	33.75	7.6	25.7	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F24	12 Nov 2021	81	11.30	83.28	4.1	33.75	7.6	25.7	0.29
F24	12 Nov 2021	82	11.30	82.70	4.1	33.75	7.6	25.7	0.29
F24	12 Nov 2021	83	11.31	82.44	4.1	33.75	7.6	25.7	0.29
F25	12 Nov 2021	1	17.60	78.30	8.3	33.53	8.1	24.2	0.73
F25	12 Nov 2021	2	17.59	83.64	8.4	33.53	8.1	24.2	0.76
F25	12 Nov 2021	3	17.59	84.09	8.3	33.53	8.1	24.2	0.80
F25	12 Nov 2021	4	17.59	84.07	8.3	33.53	8.1	24.2	0.81
F25	12 Nov 2021	5	17.58	84.19	8.4	33.53	8.1	24.2	0.86
F25	12 Nov 2021	6	17.58	84.10	8.3	33.53	8.1	24.2	0.92
F25	12 Nov 2021	7	17.57	84.08	8.3	33.53	8.1	24.2	0.95
F25	12 Nov 2021	8	17.56	84.27	8.3	33.53	8.1	24.3	1.00
F25	12 Nov 2021	9	17.51	84.20	8.2	33.53	8.1	24.3	1.00
F25	12 Nov 2021	10	17.29	84.52	8.2	33.55	8.1	24.3	0.94
F25	12 Nov 2021	11	17.11	84.82	8.1	33.53	8.1	24.4	1.01
F25	12 Nov 2021	12	16.66	84.99	7.9	33.54	8.0	24.5	1.02
F25	12 Nov 2021	13	16.18	85.01	7.8	33.53	8.0	24.6	1.01
F25	12 Nov 2021	14	15.85	84.83	7.8	33.50	8.0	24.6	1.14
F25	12 Nov 2021	15	15.62	84.81	7.6	33.49	8.0	24.7	1.39
F25	12 Nov 2021	16	15.11	84.74	7.5	33.50	8.0	24.8	1.66
F25	12 Nov 2021	17	14.80	85.30	7.4	33.44	8.0	24.8	1.73
F25	12 Nov 2021	18	14.75	85.74	7.4	33.43	8.0	24.8	1.69
F25	12 Nov 2021	19	14.72	86.07	7.3	33.42	8.0	24.8	1.65
F25	12 Nov 2021	20	14.61	86.10	7.3	33.44	8.0	24.9	1.58
F25	12 Nov 2021	21	14.27	86.25	7.2	33.44	7.9	24.9	1.63
F25	12 Nov 2021	22	14.01	86.64	7.2	33.41	7.9	25.0	1.69
F25	12 Nov 2021	23	13.80	87.00	7.1	33.41	7.9	25.0	1.47
F25	12 Nov 2021	24	13.51	87.16	7.0	33.42	7.9	25.1	1.38
F25	12 Nov 2021	25	13.32	87.48	7.0	33.41	7.9	25.1	1.24
F25	12 Nov 2021	26	13.26	87.62	6.9	33.41	7.9	25.1	1.11
F25	12 Nov 2021	27	13.13	87.53	6.8	33.43	7.9	25.1	1.05
F25	12 Nov 2021	28	13.07	87.56	6.8	33.42	7.9	25.2	1.02
F25	12 Nov 2021	29	13.05	87.62	6.8	33.42	7.9	25.2	0.99
F25	12 Nov 2021	30	12.99	87.67	6.7	33.43	7.9	25.2	0.98
F25	12 Nov 2021	31	12.89	87.69	6.7	33.43	7.9	25.2	0.95
F25	12 Nov 2021	32	12.85	87.84	6.7	33.43	7.9	25.2	0.88
F25	12 Nov 2021	33	12.80	87.95	6.6	33.42	7.9	25.2	0.84
F25	12 Nov 2021	34	12.72	88.00	6.6	33.43	7.9	25.2	0.78
F25	12 Nov 2021	35	12.68	88.05	6.6	33.43	7.9	25.2	0.73
F25	12 Nov 2021	36	12.58	88.08	6.5	33.46	7.9	25.3	0.70
F25	12 Nov 2021	37	12.46	88.13	6.5	33.46	7.9	25.3	0.67
F25	12 Nov 2021	38	12.45	88.17	6.4	33.45	7.9	25.3	0.64
F25	12 Nov 2021	39	12.44	88.15	6.4	33.45	7.9	25.3	0.61
F25	12 Nov 2021	40	12.39	88.19	6.4	33.46	7.8	25.3	0.60
F25	12 Nov 2021	41	12.34	88.20	6.4	33.46	7.8	25.3	0.58
F25	12 Nov 2021	42	12.30	88.21	6.4	33.46	7.8	25.3	0.57
F25	12 Nov 2021	43	12.27	88.24	6.4	33.47	7.8	25.4	0.58
F25	12 Nov 2021	44	12.16	88.22	6.3	33.49	7.8	25.4	0.56
F25	12 Nov 2021	45	12.08	88.23	6.2	33.49	7.8	25.4	0.54
F25	12 Nov 2021	46	12.04	88.25	6.1	33.50	7.8	25.4	0.55
F25	12 Nov 2021	47	11.99	88.27	6.0	33.51	7.8	25.4	0.56
F25	12 Nov 2021	48	11.94	88.28	5.9	33.53	7.8	25.5	0.53
F25	12 Nov 2021	49	11.90	88.24	5.8	33.54	7.8	25.5	0.51
F25	12 Nov 2021	50	11.89	88.25	5.7	33.54	7.8	25.5	0.50
F25	12 Nov 2021	51	11.88	88.25	5.7	33.55	7.8	25.5	0.48
F25	12 Nov 2021	52	11.88	88.23	5.7	33.55	7.8	25.5	0.46
F25	12 Nov 2021	53	11.87	88.12	5.6	33.55	7.8	25.5	0.45
F25	12 Nov 2021	54	11.87	88.22	5.6	33.55	7.8	25.5	0.44
F25	12 Nov 2021	55	11.85	88.22	5.6	33.56	7.8	25.5	0.44
F25	12 Nov 2021	56	11.78	88.22	5.5	33.58	7.8	25.5	0.44
F25	12 Nov 2021	57	11.74	88.22	5.4	33.59	7.8	25.5	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F25	12 Nov 2021	58	11.71	88.16	5.3	33.60	7.8	25.6	0.42
F25	12 Nov 2021	59	11.69	88.09	5.2	33.60	7.8	25.6	0.40
F25	12 Nov 2021	60	11.66	87.95	5.1	33.61	7.7	25.6	0.39
F25	12 Nov 2021	61	11.63	87.85	5.0	33.62	7.7	25.6	0.36
F25	12 Nov 2021	62	11.61	87.67	4.9	33.62	7.7	25.6	0.36
F25	12 Nov 2021	63	11.59	87.59	4.8	33.63	7.7	25.6	0.35
F25	12 Nov 2021	64	11.55	87.60	4.8	33.65	7.7	25.6	0.34
F25	12 Nov 2021	65	11.53	87.61	4.7	33.65	7.7	25.6	0.33
F25	12 Nov 2021	66	11.52	87.61	4.7	33.66	7.7	25.6	0.32
F25	12 Nov 2021	67	11.48	87.61	4.6	33.67	7.7	25.7	0.32
F25	12 Nov 2021	68	11.42	87.36	4.6	33.70	7.7	25.7	0.32
F25	12 Nov 2021	69	11.41	87.17	4.5	33.70	7.7	25.7	0.31
F25	12 Nov 2021	70	11.40	86.88	4.4	33.70	7.7	25.7	0.30
F25	12 Nov 2021	71	11.39	86.78	4.4	33.71	7.7	25.7	0.29
F25	12 Nov 2021	72	11.39	86.73	4.4	33.71	7.7	25.7	0.29
F25	12 Nov 2021	73	11.38	86.61	4.4	33.71	7.7	25.7	0.28
F25	12 Nov 2021	74	11.38	86.53	4.4	33.71	7.7	25.7	0.28
F25	12 Nov 2021	75	11.38	86.45	4.4	33.71	7.7	25.7	0.28
F25	12 Nov 2021	76	11.38	86.39	4.4	33.71	7.7	25.7	0.28
F25	12 Nov 2021	77	11.37	86.31	4.4	33.71	7.7	25.7	0.28
F25	12 Nov 2021	78	11.37	86.24	4.4	33.72	7.6	25.7	0.30
F25	12 Nov 2021	79	11.34	86.02	4.3	33.73	7.6	25.7	0.29
F25	12 Nov 2021	80	11.31	85.12	4.2	33.75	7.6	25.7	0.29
F26	09 Nov 2021	1	17.90	86.22	7.8	33.47	8.1	24.1	0.40
F26	09 Nov 2021	2	17.90	86.16	7.8	33.47	8.1	24.1	0.40
F26	09 Nov 2021	3	17.90	86.21	7.8	33.47	8.1	24.1	0.40
F26	09 Nov 2021	4	17.90	86.21	7.8	33.47	8.1	24.1	0.41
F26	09 Nov 2021	5	17.89	86.17	7.8	33.47	8.1	24.1	0.42
F26	09 Nov 2021	6	17.86	86.20	7.8	33.47	8.1	24.1	0.42
F26	09 Nov 2021	7	17.85	86.21	7.8	33.47	8.1	24.1	0.44
F26	09 Nov 2021	8	17.84	86.23	7.8	33.47	8.1	24.1	0.46
F26	09 Nov 2021	9	17.79	86.27	7.8	33.47	8.1	24.2	0.48
F26	09 Nov 2021	10	17.77	86.20	7.8	33.47	8.1	24.2	0.49
F26	09 Nov 2021	11	17.73	86.14	7.8	33.47	8.1	24.2	0.49
F26	09 Nov 2021	12	17.72	86.14	7.8	33.47	8.1	24.2	0.52
F26	09 Nov 2021	13	17.71	86.14	7.8	33.47	8.1	24.2	0.53
F26	09 Nov 2021	14	17.71	86.17	7.8	33.47	8.1	24.2	0.56
F26	09 Nov 2021	15	17.69	86.16	7.8	33.47	8.1	24.2	0.57
F26	09 Nov 2021	16	17.68	86.17	7.8	33.47	8.1	24.2	0.59
F26	09 Nov 2021	17	17.65	86.12	7.8	33.47	8.1	24.2	0.62
F26	09 Nov 2021	18	17.62	86.11	7.8	33.47	8.1	24.2	0.62
F26	09 Nov 2021	19	17.51	86.12	7.8	33.46	8.1	24.2	0.64
F26	09 Nov 2021	20	17.42	86.09	7.8	33.45	8.1	24.2	0.70
F26	09 Nov 2021	21	17.35	85.95	7.8	33.45	8.1	24.2	0.74
F26	09 Nov 2021	22	17.30	85.97	7.8	33.44	8.1	24.2	0.81
F26	09 Nov 2021	23	17.23	85.89	7.8	33.44	8.0	24.3	0.85
F26	09 Nov 2021	24	17.07	85.77	7.8	33.43	8.0	24.3	0.94
F26	09 Nov 2021	25	16.80	85.32	7.9	33.42	8.0	24.4	0.98
F26	09 Nov 2021	26	16.58	84.74	7.9	33.40	8.0	24.4	1.11
F26	09 Nov 2021	27	16.24	84.76	8.0	33.39	8.0	24.5	1.33
F26	09 Nov 2021	28	16.10	84.66	7.9	33.40	8.0	24.5	1.49
F26	09 Nov 2021	29	15.57	84.85	7.9	33.44	8.0	24.6	1.62
F26	09 Nov 2021	30	15.31	85.01	7.8	33.41	8.0	24.7	1.84
F26	09 Nov 2021	31	15.05	85.27	7.8	33.39	8.0	24.7	2.00
F26	09 Nov 2021	32	14.36	85.80	7.7	33.41	8.0	24.9	1.97
F26	09 Nov 2021	33	13.94	86.21	7.5	33.37	8.0	24.9	1.95
F26	09 Nov 2021	34	13.70	86.57	7.5	33.35	7.9	25.0	1.79
F26	09 Nov 2021	35	13.64	86.79	7.4	33.35	7.9	25.0	1.61
F26	09 Nov 2021	36	13.38	86.95	7.3	33.36	7.9	25.0	1.62
F26	09 Nov 2021	37	13.33	87.28	7.2	33.36	7.9	25.1	1.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	09 Nov 2021	38	13.25	87.35	7.2	33.37	7.9	25.1	1.27
F26	09 Nov 2021	39	13.18	87.38	7.0	33.39	7.9	25.1	1.27
F26	09 Nov 2021	40	13.03	87.50	7.0	33.40	7.9	25.1	1.24
F26	09 Nov 2021	41	12.95	87.52	6.8	33.41	7.9	25.2	1.21
F26	09 Nov 2021	42	12.84	87.68	6.7	33.42	7.9	25.2	1.29
F26	09 Nov 2021	43	12.80	87.75	6.6	33.42	7.9	25.2	1.18
F26	09 Nov 2021	44	12.79	87.74	6.6	33.42	7.9	25.2	1.04
F26	09 Nov 2021	45	12.77	87.69	6.6	33.43	7.9	25.2	0.98
F26	09 Nov 2021	46	12.77	87.70	6.6	33.43	7.9	25.2	0.99
F26	09 Nov 2021	47	12.71	87.68	6.5	33.44	7.8	25.2	0.97
F26	09 Nov 2021	48	12.65	87.75	6.4	33.45	7.8	25.3	0.97
F26	09 Nov 2021	49	12.59	87.74	6.3	33.45	7.8	25.3	0.93
F26	09 Nov 2021	50	12.54	87.84	6.3	33.46	7.8	25.3	0.91
F26	09 Nov 2021	51	12.47	87.93	6.2	33.47	7.8	25.3	0.85
F26	09 Nov 2021	52	12.44	87.95	6.2	33.47	7.8	25.3	0.80
F26	09 Nov 2021	53	12.42	88.01	6.2	33.47	7.8	25.3	0.77
F26	09 Nov 2021	54	12.35	87.97	6.1	33.48	7.8	25.3	0.71
F26	09 Nov 2021	55	12.24	87.98	6.0	33.51	7.8	25.4	0.68
F26	09 Nov 2021	56	12.15	88.04	5.8	33.52	7.8	25.4	0.65
F26	09 Nov 2021	57	12.10	88.03	5.8	33.52	7.8	25.4	0.61
F26	09 Nov 2021	58	12.07	88.01	5.7	33.53	7.8	25.4	0.57
F26	09 Nov 2021	59	12.02	88.04	5.6	33.54	7.8	25.4	0.56
F26	09 Nov 2021	60	11.98	88.06	5.5	33.55	7.8	25.5	0.54
F26	09 Nov 2021	61	11.96	87.99	5.5	33.55	7.8	25.5	0.50
F26	09 Nov 2021	62	11.92	88.05	5.4	33.57	7.8	25.5	0.50
F26	09 Nov 2021	63	11.88	88.04	5.3	33.58	7.8	25.5	0.47
F26	09 Nov 2021	64	11.87	88.02	5.2	33.59	7.7	25.5	0.45
F26	09 Nov 2021	65	11.81	87.98	5.1	33.61	7.7	25.5	0.44
F26	09 Nov 2021	66	11.77	87.96	4.9	33.63	7.7	25.6	0.45
F26	09 Nov 2021	67	11.76	87.92	4.8	33.64	7.7	25.6	0.41
F26	09 Nov 2021	68	11.76	87.90	4.8	33.65	7.7	25.6	0.39
F26	09 Nov 2021	69	11.75	87.90	4.8	33.65	7.7	25.6	0.39
F26	09 Nov 2021	70	11.75	87.85	4.7	33.65	7.7	25.6	0.39
F26	09 Nov 2021	71	11.75	87.86	4.7	33.66	7.7	25.6	0.39
F26	09 Nov 2021	72	11.74	87.85	4.7	33.66	7.7	25.6	0.38
F26	09 Nov 2021	73	11.65	87.84	4.6	33.69	7.7	25.6	0.37
F26	09 Nov 2021	74	11.61	87.81	4.4	33.70	7.7	25.7	0.37
F26	09 Nov 2021	75	11.61	87.83	4.4	33.71	7.7	25.7	0.35
F26	09 Nov 2021	76	11.62	87.82	4.3	33.71	7.7	25.7	0.36
F26	09 Nov 2021	77	11.62	87.84	4.4	33.71	7.7	25.7	0.35
F26	09 Nov 2021	78	11.61	87.85	4.3	33.71	7.7	25.7	0.34
F26	09 Nov 2021	79	11.61	87.84	4.4	33.71	7.7	25.7	0.36
F26	09 Nov 2021	80	11.59	87.85	4.4	33.71	7.7	25.7	0.34
F26	09 Nov 2021	81	11.57	87.84	4.4	33.70	7.7	25.7	0.34
F26	09 Nov 2021	82	11.56	87.83	4.4	33.70	7.7	25.7	0.34
F26	09 Nov 2021	83	11.53	87.88	4.5	33.70	7.7	25.7	0.34
F26	09 Nov 2021	84	11.52	87.87	4.5	33.69	7.7	25.7	0.34
F26	09 Nov 2021	85	11.51	87.89	4.5	33.70	7.7	25.7	0.34
F26	09 Nov 2021	86	11.49	87.91	4.6	33.69	7.7	25.7	0.34
F26	09 Nov 2021	87	11.48	87.98	4.6	33.69	7.7	25.7	0.34
F26	09 Nov 2021	88	11.48	87.98	4.6	33.69	7.7	25.7	0.34
F26	09 Nov 2021	89	11.47	87.93	4.5	33.70	7.7	25.7	0.33
F26	09 Nov 2021	90	11.47	87.91	4.5	33.71	7.7	25.7	0.33
F26	09 Nov 2021	91	11.46	87.88	4.4	33.71	7.7	25.7	0.33
F26	09 Nov 2021	92	11.45	87.87	4.4	33.72	7.7	25.7	0.33
F26	09 Nov 2021	93	11.44	87.89	4.4	33.72	7.7	25.7	0.32
F26	09 Nov 2021	94	11.42	87.89	4.4	33.72	7.7	25.7	0.33
F26	09 Nov 2021	95	11.42	87.89	4.4	33.73	7.7	25.7	0.32
F26	09 Nov 2021	96	11.37	87.91	4.3	33.74	7.7	25.7	0.33
F26	09 Nov 2021	97	11.31	87.63	4.2	33.77	7.6	25.8	0.31
F26	09 Nov 2021	98	11.29	87.42	4.2	33.77	7.6	25.8	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	09 Nov 2021	99	11.27	87.30	4.1	33.78	7.6	25.8	0.32
F27	09 Nov 2021	1	17.81	85.93	7.8	33.48	8.0	24.2	0.44
F27	09 Nov 2021	2	17.79	85.93	7.8	33.48	8.0	24.2	0.44
F27	09 Nov 2021	3	17.79	85.91	7.8	33.48	8.0	24.2	0.43
F27	09 Nov 2021	4	17.73	85.89	7.8	33.49	8.0	24.2	0.45
F27	09 Nov 2021	5	17.63	85.89	7.8	33.48	8.1	24.2	0.45
F27	09 Nov 2021	6	17.62	85.88	7.8	33.48	8.1	24.2	0.46
F27	09 Nov 2021	7	17.61	85.86	7.8	33.48	8.1	24.2	0.47
F27	09 Nov 2021	8	17.60	85.87	7.8	33.48	8.1	24.2	0.51
F27	09 Nov 2021	9	17.59	85.87	7.8	33.48	8.1	24.2	0.50
F27	09 Nov 2021	10	17.57	85.86	7.8	33.48	8.1	24.2	0.52
F27	09 Nov 2021	11	17.56	85.87	7.8	33.47	8.1	24.2	0.54
F27	09 Nov 2021	12	17.55	85.84	7.8	33.47	8.1	24.2	0.57
F27	09 Nov 2021	13	17.54	85.87	7.8	33.47	8.1	24.2	0.60
F27	09 Nov 2021	14	17.51	85.86	7.8	33.47	8.1	24.2	0.63
F27	09 Nov 2021	15	17.47	85.84	7.8	33.47	8.1	24.2	0.67
F27	09 Nov 2021	16	17.45	85.77	7.8	33.46	8.1	24.2	0.71
F27	09 Nov 2021	17	17.39	85.83	7.8	33.46	8.0	24.2	0.75
F27	09 Nov 2021	18	17.36	85.81	7.8	33.45	8.0	24.2	0.79
F27	09 Nov 2021	19	17.32	85.75	7.8	33.45	8.0	24.3	0.84
F27	09 Nov 2021	20	17.24	85.70	7.8	33.44	8.0	24.3	0.89
F27	09 Nov 2021	21	17.15	85.63	7.8	33.44	8.0	24.3	0.97
F27	09 Nov 2021	22	17.07	85.57	7.8	33.43	8.0	24.3	1.00
F27	09 Nov 2021	23	17.01	85.48	7.9	33.42	8.0	24.3	1.10
F27	09 Nov 2021	24	16.84	85.27	7.8	33.42	8.0	24.3	1.19
F27	09 Nov 2021	25	16.79	85.08	7.9	33.40	8.0	24.3	1.30
F27	09 Nov 2021	26	16.66	84.92	7.9	33.40	8.0	24.4	1.39
F27	09 Nov 2021	27	16.60	84.94	7.9	33.39	8.0	24.4	1.50
F27	09 Nov 2021	28	16.59	85.01	7.8	33.39	8.0	24.4	1.58
F27	09 Nov 2021	29	16.36	84.87	7.8	33.42	8.0	24.5	1.69
F27	09 Nov 2021	30	15.87	85.00	7.9	33.37	8.0	24.5	1.77
F27	09 Nov 2021	31	15.59	85.04	7.9	33.36	8.0	24.6	1.88
F27	09 Nov 2021	32	15.36	85.19	7.9	33.42	8.0	24.7	1.89
F27	09 Nov 2021	33	15.22	85.34	7.8	33.41	8.0	24.7	1.98
F27	09 Nov 2021	34	15.09	85.53	7.8	33.41	8.0	24.7	1.97
F27	09 Nov 2021	35	14.60	85.75	7.7	33.43	8.0	24.8	2.01
F27	09 Nov 2021	36	14.03	86.24	7.6	33.40	8.0	24.9	1.97
F27	09 Nov 2021	37	13.71	86.67	7.5	33.39	7.9	25.0	1.91
F27	09 Nov 2021	38	13.58	86.95	7.3	33.37	7.9	25.0	1.70
F27	09 Nov 2021	39	13.39	87.15	7.3	33.37	7.9	25.1	1.48
F27	09 Nov 2021	40	13.20	87.38	7.2	33.38	7.9	25.1	1.43
F27	09 Nov 2021	41	13.15	87.37	7.1	33.38	7.9	25.1	1.31
F27	09 Nov 2021	42	13.08	87.59	7.0	33.38	7.9	25.1	1.26
F27	09 Nov 2021	43	13.01	87.66	7.0	33.40	7.9	25.2	1.18
F27	09 Nov 2021	44	12.90	87.71	6.8	33.41	7.9	25.2	1.15
F27	09 Nov 2021	45	12.86	87.81	6.8	33.42	7.9	25.2	1.08
F27	09 Nov 2021	46	12.84	87.81	6.7	33.42	7.9	25.2	1.01
F27	09 Nov 2021	47	12.81	87.85	6.7	33.42	7.9	25.2	0.94
F27	09 Nov 2021	48	12.73	87.90	6.6	33.44	7.9	25.2	0.98
F27	09 Nov 2021	49	12.62	88.02	6.5	33.45	7.8	25.3	0.93
F27	09 Nov 2021	50	12.57	87.99	6.5	33.44	7.8	25.3	0.88
F27	09 Nov 2021	51	12.55	88.00	6.4	33.45	7.8	25.3	0.80
F27	09 Nov 2021	52	12.53	88.04	6.4	33.45	7.8	25.3	0.78
F27	09 Nov 2021	53	12.49	88.01	6.3	33.46	7.8	25.3	0.76
F27	09 Nov 2021	54	12.45	88.00	6.2	33.47	7.8	25.3	0.75
F27	09 Nov 2021	55	12.39	88.02	6.2	33.48	7.8	25.3	0.75
F27	09 Nov 2021	56	12.34	88.01	6.1	33.49	7.8	25.3	0.77
F27	09 Nov 2021	57	12.31	88.02	6.0	33.49	7.8	25.4	0.71
F27	09 Nov 2021	58	12.28	88.02	6.0	33.49	7.8	25.4	0.70
F27	09 Nov 2021	59	12.15	88.03	5.9	33.52	7.8	25.4	0.69



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F27	09 Nov 2021	60	12.02	88.06	5.7	33.55	7.8	25.5	0.66
F27	09 Nov 2021	61	11.97	88.07	5.5	33.56	7.8	25.5	0.60
F27	09 Nov 2021	62	11.96	88.07	5.4	33.56	7.8	25.5	0.56
F27	09 Nov 2021	63	11.96	88.07	5.4	33.56	7.8	25.5	0.53
F27	09 Nov 2021	64	11.93	88.06	5.4	33.57	7.8	25.5	0.49
F27	09 Nov 2021	65	11.91	88.05	5.3	33.58	7.8	25.5	0.49
F27	09 Nov 2021	66	11.89	88.06	5.3	33.59	7.8	25.5	0.48
F27	09 Nov 2021	67	11.84	88.05	5.1	33.61	7.7	25.5	0.46
F27	09 Nov 2021	68	11.81	88.02	5.0	33.63	7.7	25.6	0.45
F27	09 Nov 2021	69	11.78	87.98	4.9	33.63	7.7	25.6	0.44
F27	09 Nov 2021	70	11.77	87.94	4.8	33.65	7.7	25.6	0.41
F27	09 Nov 2021	71	11.76	87.92	4.7	33.65	7.7	25.6	0.40
F27	09 Nov 2021	72	11.72	87.90	4.7	33.67	7.7	25.6	0.40
F27	09 Nov 2021	73	11.70	87.87	4.6	33.68	7.7	25.6	0.38
F27	09 Nov 2021	74	11.68	87.83	4.5	33.68	7.7	25.6	0.37
F27	09 Nov 2021	75	11.67	87.80	4.5	33.69	7.7	25.6	0.36
F27	09 Nov 2021	76	11.66	87.79	4.5	33.69	7.7	25.6	0.36
F27	09 Nov 2021	77	11.65	87.78	4.4	33.70	7.7	25.6	0.36
F27	09 Nov 2021	78	11.63	87.77	4.4	33.71	7.7	25.7	0.34
F27	09 Nov 2021	79	11.62	87.78	4.3	33.72	7.7	25.7	0.35
F27	09 Nov 2021	80	11.56	87.79	4.2	33.74	7.7	25.7	0.33
F27	09 Nov 2021	81	11.53	87.80	4.2	33.73	7.7	25.7	0.33
F27	09 Nov 2021	82	11.50	87.85	4.2	33.73	7.7	25.7	0.32
F27	09 Nov 2021	83	11.45	87.90	4.3	33.74	7.7	25.7	0.32
F27	09 Nov 2021	84	11.41	87.95	4.3	33.73	7.7	25.7	0.32
F27	09 Nov 2021	85	11.41	87.99	4.3	33.73	7.7	25.7	0.31
F27	09 Nov 2021	86	11.39	87.99	4.3	33.74	7.7	25.7	0.32
F27	09 Nov 2021	87	11.38	88.01	4.3	33.74	7.7	25.7	0.31
F27	09 Nov 2021	88	11.37	87.97	4.3	33.75	7.7	25.7	0.32
F27	09 Nov 2021	89	11.36	88.00	4.2	33.75	7.7	25.7	0.31
F27	09 Nov 2021	90	11.34	88.04	4.2	33.75	7.7	25.7	0.31
F27	09 Nov 2021	91	11.33	87.96	4.2	33.76	7.7	25.8	0.30
F27	09 Nov 2021	92	11.28	88.04	4.2	33.78	7.6	25.8	0.30
F27	09 Nov 2021	93	11.26	88.01	4.1	33.78	7.6	25.8	0.30
F27	09 Nov 2021	94	11.25	87.94	4.1	33.78	7.6	25.8	0.29
F27	09 Nov 2021	95	11.25	87.92	4.1	33.79	7.6	25.8	0.30
F27	09 Nov 2021	96	11.25	87.82	4.1	33.79	7.6	25.8	0.29
F27	09 Nov 2021	97	11.24	87.67	4.1	33.79	7.6	25.8	0.29
F27	09 Nov 2021	98	11.23	87.56	4.0	33.80	7.6	25.8	0.29
F27	09 Nov 2021	99	11.21	87.42	4.0	33.81	7.6	25.8	0.29
F27	09 Nov 2021	100	11.19	87.29	4.0	33.82	7.6	25.8	0.29
F28	09 Nov 2021	1	17.90	85.90	7.8	33.50	8.1	24.1	0.46
F28	09 Nov 2021	2	17.88	85.85	7.8	33.50	8.1	24.2	0.46
F28	09 Nov 2021	3	17.82	85.86	7.8	33.50	8.1	24.2	0.46
F28	09 Nov 2021	4	17.79	85.81	7.8	33.50	8.1	24.2	0.47
F28	09 Nov 2021	5	17.73	85.80	7.8	33.49	8.1	24.2	0.50
F28	09 Nov 2021	6	17.67	85.79	7.8	33.49	8.1	24.2	0.51
F28	09 Nov 2021	7	17.65	85.77	7.8	33.49	8.1	24.2	0.51
F28	09 Nov 2021	8	17.63	85.83	7.8	33.49	8.1	24.2	0.53
F28	09 Nov 2021	9	17.62	85.82	7.8	33.49	8.1	24.2	0.56
F28	09 Nov 2021	10	17.61	85.79	7.8	33.49	8.1	24.2	0.59
F28	09 Nov 2021	11	17.56	85.85	7.8	33.49	8.1	24.2	0.64
F28	09 Nov 2021	12	17.53	85.86	7.8	33.48	8.1	24.2	0.66
F28	09 Nov 2021	13	17.51	85.82	7.8	33.48	8.1	24.2	0.71
F28	09 Nov 2021	14	17.45	85.67	7.8	33.48	8.1	24.2	0.77
F28	09 Nov 2021	15	17.36	85.85	7.8	33.48	8.0	24.3	0.86
F28	09 Nov 2021	16	17.28	85.59	7.8	33.47	8.0	24.3	0.95
F28	09 Nov 2021	17	17.22	85.50	7.8	33.46	8.0	24.3	1.10
F28	09 Nov 2021	18	17.15	85.44	7.8	33.46	8.0	24.3	1.18
F28	09 Nov 2021	19	17.07	85.33	7.8	33.45	8.0	24.3	1.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F28	09 Nov 2021	20	17.04	85.33	7.8	33.45	8.0	24.3	1.43
F28	09 Nov 2021	21	17.00	85.40	7.8	33.45	8.0	24.3	1.53
F28	09 Nov 2021	22	16.97	85.37	7.8	33.45	8.0	24.3	1.60
F28	09 Nov 2021	23	16.90	85.50	7.8	33.45	8.0	24.3	1.68
F28	09 Nov 2021	24	16.87	85.47	7.8	33.44	8.0	24.3	1.73
F28	09 Nov 2021	25	16.77	85.49	7.8	33.44	8.0	24.4	1.81
F28	09 Nov 2021	26	16.66	85.56	7.8	33.44	8.0	24.4	1.77
F28	09 Nov 2021	27	16.21	85.57	7.7	33.45	8.0	24.5	1.83
F28	09 Nov 2021	28	15.30	85.78	7.8	33.42	8.0	24.7	1.88
F28	09 Nov 2021	29	14.88	85.89	7.9	33.34	8.0	24.7	1.92
F28	09 Nov 2021	30	14.84	86.04	7.9	33.33	8.0	24.7	1.81
F28	09 Nov 2021	31	14.86	85.97	7.8	33.35	8.0	24.7	1.77
F28	09 Nov 2021	32	14.82	85.98	7.8	33.38	8.0	24.8	1.80
F28	09 Nov 2021	33	14.62	86.14	7.7	33.40	8.0	24.8	1.95
F28	09 Nov 2021	34	14.45	86.25	7.6	33.39	8.0	24.9	1.80
F28	09 Nov 2021	35	14.29	86.30	7.5	33.38	8.0	24.9	1.85
F28	09 Nov 2021	36	14.16	86.49	7.5	33.38	7.9	24.9	1.74
F28	09 Nov 2021	37	14.07	86.60	7.4	33.39	7.9	24.9	1.70
F28	09 Nov 2021	38	13.90	86.74	7.3	33.40	7.9	25.0	1.65
F28	09 Nov 2021	39	13.77	86.81	7.3	33.41	7.9	25.0	1.57
F28	09 Nov 2021	40	13.63	86.97	7.2	33.40	7.9	25.0	1.51
F28	09 Nov 2021	41	13.48	87.17	7.2	33.40	7.9	25.1	1.49
F28	09 Nov 2021	42	13.31	87.38	7.2	33.38	7.9	25.1	1.44
F28	09 Nov 2021	43	13.21	87.45	7.1	33.38	7.9	25.1	1.38
F28	09 Nov 2021	44	13.05	87.58	7.0	33.39	7.9	25.1	1.33
F28	09 Nov 2021	45	13.00	87.71	6.9	33.39	7.9	25.1	1.24
F28	09 Nov 2021	46	13.01	87.75	6.9	33.39	7.9	25.1	1.15
F28	09 Nov 2021	47	12.90	87.81	6.8	33.41	7.9	25.2	1.13
F28	09 Nov 2021	48	12.84	87.90	6.7	33.41	7.9	25.2	1.05
F28	09 Nov 2021	49	12.68	88.10	6.6	33.45	7.8	25.3	0.98
F28	09 Nov 2021	50	12.59	88.19	6.5	33.45	7.8	25.3	0.90
F28	09 Nov 2021	51	12.55	88.17	6.4	33.45	7.8	25.3	0.85
F28	09 Nov 2021	52	12.55	88.20	6.4	33.45	7.8	25.3	0.90
F28	09 Nov 2021	53	12.53	88.21	6.4	33.45	7.8	25.3	0.76
F28	09 Nov 2021	54	12.51	88.17	6.4	33.45	7.8	25.3	0.76
F28	09 Nov 2021	55	12.47	88.13	6.3	33.45	7.8	25.3	0.76
F28	09 Nov 2021	56	12.45	88.19	6.3	33.46	7.8	25.3	0.73
F28	09 Nov 2021	57	12.43	88.25	6.3	33.47	7.8	25.3	0.71
F28	09 Nov 2021	58	12.40	88.26	6.2	33.48	7.8	25.3	0.71
F28	09 Nov 2021	59	12.34	88.29	6.2	33.49	7.8	25.4	0.68
F28	09 Nov 2021	60	12.25	88.28	6.0	33.51	7.8	25.4	0.67
F28	09 Nov 2021	61	12.19	88.27	5.9	33.51	7.8	25.4	0.63
F28	09 Nov 2021	62	12.19	88.26	5.9	33.51	7.8	25.4	0.59
F28	09 Nov 2021	63	12.17	88.23	5.9	33.51	7.8	25.4	0.58
F28	09 Nov 2021	64	12.14	88.20	5.8	33.51	7.8	25.4	0.57
F28	09 Nov 2021	65	12.12	88.19	5.8	33.52	7.8	25.4	0.57
F28	09 Nov 2021	66	12.09	88.15	5.8	33.52	7.8	25.4	0.58
F28	09 Nov 2021	67	12.06	88.12	5.7	33.53	7.8	25.4	0.57
F28	09 Nov 2021	68	12.03	88.15	5.6	33.53	7.8	25.4	0.57
F28	09 Nov 2021	69	11.98	88.15	5.5	33.55	7.8	25.5	0.55
F28	09 Nov 2021	70	11.92	88.10	5.3	33.58	7.7	25.5	0.55
F28	09 Nov 2021	71	11.89	88.14	5.1	33.60	7.7	25.5	0.52
F28	09 Nov 2021	72	11.88	88.14	5.0	33.60	7.7	25.5	0.48
F28	09 Nov 2021	73	11.87	88.14	5.0	33.61	7.7	25.5	0.45
F28	09 Nov 2021	74	11.85	88.13	5.0	33.61	7.7	25.5	0.44
F28	09 Nov 2021	75	11.83	88.14	4.9	33.62	7.7	25.6	0.44
F28	09 Nov 2021	76	11.81	88.15	4.9	33.63	7.7	25.6	0.43
F28	09 Nov 2021	77	11.81	88.14	4.8	33.63	7.7	25.6	0.42
F28	09 Nov 2021	78	11.79	88.13	4.8	33.64	7.7	25.6	0.41
F28	09 Nov 2021	79	11.76	88.11	4.7	33.65	7.7	25.6	0.41
F28	09 Nov 2021	80	11.73	88.10	4.6	33.67	7.7	25.6	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F28	09 Nov 2021	81	11.69	88.06	4.5	33.68	7.7	25.6	0.39
F28	09 Nov 2021	82	11.68	88.02	4.5	33.68	7.7	25.6	0.38
F28	09 Nov 2021	83	11.67	88.00	4.5	33.69	7.7	25.6	0.37
F28	09 Nov 2021	84	11.64	87.96	4.4	33.70	7.7	25.6	0.36
F28	09 Nov 2021	85	11.61	87.93	4.4	33.71	7.7	25.7	0.40
F28	09 Nov 2021	86	11.59	87.90	4.3	33.71	7.7	25.7	0.35
F28	09 Nov 2021	87	11.51	87.89	4.3	33.73	7.7	25.7	0.34
F28	09 Nov 2021	88	11.45	88.03	4.3	33.72	7.7	25.7	0.33
F28	09 Nov 2021	89	11.43	88.03	4.4	33.73	7.7	25.7	0.33
F28	09 Nov 2021	90	11.42	88.06	4.3	33.73	7.7	25.7	0.32
F28	09 Nov 2021	91	11.40	88.07	4.3	33.73	7.7	25.7	0.32
F28	09 Nov 2021	92	11.37	88.09	4.3	33.74	7.7	25.7	0.32
F28	09 Nov 2021	93	11.35	88.08	4.3	33.74	7.7	25.7	0.32
F28	09 Nov 2021	94	11.33	88.10	4.3	33.75	7.6	25.7	0.31
F28	09 Nov 2021	95	11.30	88.03	4.2	33.76	7.6	25.8	0.31
F28	09 Nov 2021	96	11.29	88.03	4.2	33.76	7.6	25.8	0.30
F28	09 Nov 2021	97	11.29	87.87	4.2	33.76	7.6	25.8	0.30
F28	09 Nov 2021	98	11.29	87.56	4.2	33.76	7.6	25.8	0.30
F28	09 Nov 2021	99	11.28	87.24	4.2	33.77	7.6	25.8	0.32
F28	09 Nov 2021	100	11.23	87.20	4.1	33.80	7.6	25.8	0.30
F28	09 Nov 2021	101	11.22	87.08	4.1	33.80	7.6	25.8	0.31
F29	09 Nov 2021	1	18.02	86.02	7.8	33.53	8.1	24.1	0.46
F29	09 Nov 2021	2	18.00	85.94	7.8	33.53	8.1	24.2	0.48
F29	09 Nov 2021	3	17.94	86.00	7.8	33.53	8.1	24.2	0.48
F29	09 Nov 2021	4	17.88	85.88	7.8	33.53	8.1	24.2	0.48
F29	09 Nov 2021	5	17.85	85.85	7.8	33.52	8.1	24.2	0.51
F29	09 Nov 2021	6	17.82	85.81	7.8	33.52	8.1	24.2	0.52
F29	09 Nov 2021	7	17.80	85.78	7.8	33.52	8.1	24.2	0.54
F29	09 Nov 2021	8	17.76	85.73	7.8	33.52	8.1	24.2	0.58
F29	09 Nov 2021	9	17.75	85.65	7.8	33.52	8.1	24.2	0.60
F29	09 Nov 2021	10	17.73	85.72	7.8	33.52	8.1	24.2	0.62
F29	09 Nov 2021	11	17.72	85.72	7.8	33.52	8.1	24.2	0.67
F29	09 Nov 2021	12	17.68	85.72	7.8	33.51	8.1	24.2	0.70
F29	09 Nov 2021	13	17.65	85.71	7.8	33.51	8.1	24.2	0.73
F29	09 Nov 2021	14	17.62	85.75	7.8	33.51	8.1	24.2	0.78
F29	09 Nov 2021	15	17.61	85.72	7.8	33.50	8.1	24.2	0.83
F29	09 Nov 2021	16	17.58	85.73	7.8	33.50	8.1	24.2	0.85
F29	09 Nov 2021	17	17.53	85.62	7.8	33.50	8.1	24.2	0.93
F29	09 Nov 2021	18	17.52	85.61	7.8	33.50	8.1	24.2	0.94
F29	09 Nov 2021	19	17.51	85.59	7.8	33.50	8.1	24.2	1.00
F29	09 Nov 2021	20	17.51	85.53	7.8	33.50	8.1	24.2	1.03
F29	09 Nov 2021	21	17.50	85.52	7.8	33.50	8.1	24.2	1.11
F29	09 Nov 2021	22	17.49	85.52	7.8	33.50	8.1	24.2	1.19
F29	09 Nov 2021	23	17.45	85.55	7.8	33.50	8.1	24.3	1.19
F29	09 Nov 2021	24	17.21	85.62	7.8	33.50	8.1	24.3	1.24
F29	09 Nov 2021	25	17.12	85.63	7.8	33.48	8.0	24.3	1.33
F29	09 Nov 2021	26	16.96	85.61	7.7	33.50	8.0	24.4	1.53
F29	09 Nov 2021	27	16.40	85.65	7.6	33.52	8.0	24.5	1.61
F29	09 Nov 2021	28	15.30	86.01	7.6	33.40	8.0	24.7	1.71
F29	09 Nov 2021	29	14.59	86.45	7.6	33.39	8.0	24.8	1.76
F29	09 Nov 2021	30	14.30	86.63	7.7	33.32	8.0	24.8	1.73
F29	09 Nov 2021	31	14.18	86.79	7.7	33.30	8.0	24.8	1.64
F29	09 Nov 2021	32	14.17	86.84	7.7	33.30	8.0	24.8	1.59
F29	09 Nov 2021	33	14.13	86.93	7.7	33.31	8.0	24.9	1.50
F29	09 Nov 2021	34	13.98	87.00	7.6	33.34	8.0	24.9	1.44
F29	09 Nov 2021	35	13.82	87.11	7.4	33.36	7.9	25.0	1.42
F29	09 Nov 2021	36	13.67	87.17	7.3	33.37	7.9	25.0	1.44
F29	09 Nov 2021	37	13.53	87.28	7.2	33.38	7.9	25.0	1.37
F29	09 Nov 2021	38	13.47	87.39	7.2	33.38	7.9	25.0	1.31
F29	09 Nov 2021	39	13.42	87.43	7.2	33.38	7.9	25.1	1.34

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F29	09 Nov 2021	40	13.39	87.47	7.1	33.38	7.9	25.1	1.25
F29	09 Nov 2021	41	13.25	87.54	7.1	33.39	7.9	25.1	1.27
F29	09 Nov 2021	42	13.13	87.61	7.0	33.39	7.9	25.1	1.39
F29	09 Nov 2021	43	13.08	87.40	7.0	33.39	7.9	25.1	1.24
F29	09 Nov 2021	44	13.04	87.75	6.9	33.39	7.9	25.1	1.19
F29	09 Nov 2021	45	13.02	87.80	6.9	33.39	7.9	25.1	1.15
F29	09 Nov 2021	46	12.90	87.90	6.9	33.41	7.9	25.2	1.08
F29	09 Nov 2021	47	12.84	87.97	6.8	33.41	7.9	25.2	0.99
F29	09 Nov 2021	48	12.78	88.03	6.7	33.42	7.9	25.2	0.99
F29	09 Nov 2021	49	12.61	88.15	6.5	33.45	7.8	25.3	0.91
F29	09 Nov 2021	50	12.55	88.22	6.4	33.45	7.8	25.3	0.86
F29	09 Nov 2021	51	12.47	88.26	6.3	33.46	7.8	25.3	0.80
F29	09 Nov 2021	52	12.45	88.27	6.2	33.46	7.8	25.3	0.74
F29	09 Nov 2021	53	12.43	88.25	6.2	33.47	7.8	25.3	0.70
F29	09 Nov 2021	54	12.37	88.31	6.2	33.48	7.8	25.3	0.68
F29	09 Nov 2021	55	12.34	88.33	6.2	33.48	7.8	25.3	0.70
F29	09 Nov 2021	56	12.28	88.33	6.1	33.49	7.8	25.4	0.64
F29	09 Nov 2021	57	12.27	88.37	6.1	33.49	7.8	25.4	0.63
F29	09 Nov 2021	58	12.25	88.36	6.0	33.49	7.8	25.4	0.60
F29	09 Nov 2021	59	12.23	88.37	6.0	33.50	7.8	25.4	0.61
F29	09 Nov 2021	60	12.22	88.39	6.0	33.50	7.8	25.4	0.58
F29	09 Nov 2021	61	12.21	88.40	6.0	33.50	7.8	25.4	0.58
F29	09 Nov 2021	62	12.18	88.39	6.0	33.51	7.8	25.4	0.58
F29	09 Nov 2021	63	12.09	88.29	5.9	33.53	7.8	25.4	0.57
F29	09 Nov 2021	64	12.03	88.38	5.8	33.54	7.8	25.4	0.55
F29	09 Nov 2021	65	12.03	88.33	5.7	33.54	7.8	25.5	0.52
F29	09 Nov 2021	66	11.96	88.31	5.6	33.56	7.8	25.5	0.49
F29	09 Nov 2021	67	11.89	88.37	5.6	33.56	7.8	25.5	0.48
F29	09 Nov 2021	68	11.88	88.37	5.6	33.56	7.8	25.5	0.47
F29	09 Nov 2021	69	11.87	88.38	5.6	33.56	7.8	25.5	0.46
F29	09 Nov 2021	70	11.83	88.37	5.5	33.57	7.8	25.5	0.44
F29	09 Nov 2021	71	11.80	88.37	5.4	33.58	7.8	25.5	0.44
F29	09 Nov 2021	72	11.75	88.38	5.4	33.59	7.8	25.5	0.43
F29	09 Nov 2021	73	11.75	88.40	5.4	33.58	7.8	25.5	0.42
F29	09 Nov 2021	74	11.74	88.42	5.4	33.58	7.8	25.5	0.41
F29	09 Nov 2021	75	11.74	88.43	5.4	33.58	7.7	25.5	0.41
F29	09 Nov 2021	76	11.74	88.42	5.4	33.58	7.7	25.5	0.41
F29	09 Nov 2021	77	11.74	88.43	5.4	33.58	7.7	25.5	0.41
F29	09 Nov 2021	78	11.74	88.40	5.4	33.58	7.7	25.5	0.41
F29	09 Nov 2021	79	11.73	88.37	5.3	33.59	7.7	25.5	0.41
F29	09 Nov 2021	80	11.69	88.32	5.2	33.61	7.7	25.6	0.40
F29	09 Nov 2021	81	11.66	88.31	5.1	33.62	7.7	25.6	0.40
F29	09 Nov 2021	82	11.62	88.31	5.0	33.64	7.7	25.6	0.39
F29	09 Nov 2021	83	11.58	88.31	4.9	33.65	7.7	25.6	0.38
F29	09 Nov 2021	84	11.49	88.30	4.8	33.68	7.7	25.7	0.37
F29	09 Nov 2021	85	11.45	88.31	4.7	33.69	7.7	25.7	0.36
F29	09 Nov 2021	86	11.42	88.32	4.6	33.70	7.7	25.7	0.34
F29	09 Nov 2021	87	11.38	88.30	4.6	33.71	7.7	25.7	0.33
F29	09 Nov 2021	88	11.36	88.28	4.5	33.72	7.7	25.7	0.32
F29	09 Nov 2021	89	11.36	88.06	4.4	33.73	7.7	25.7	0.32
F29	09 Nov 2021	90	11.35	87.78	4.4	33.74	7.7	25.7	0.31
F29	09 Nov 2021	91	11.35	87.64	4.4	33.74	7.7	25.7	0.32
F29	09 Nov 2021	92	11.35	87.56	4.4	33.74	7.7	25.7	0.32
F29	09 Nov 2021	93	11.34	87.46	4.4	33.74	7.7	25.7	0.32
F29	09 Nov 2021	94	11.34	87.45	4.4	33.74	7.7	25.7	0.32
F29	09 Nov 2021	95	11.33	87.46	4.4	33.75	7.7	25.7	0.32
F29	09 Nov 2021	96	11.29	87.61	4.3	33.77	7.7	25.8	0.32
F29	09 Nov 2021	97	11.25	87.67	4.2	33.78	7.6	25.8	0.31
F29	09 Nov 2021	98	11.24	87.62	4.2	33.78	7.6	25.8	0.30
F29	09 Nov 2021	99	11.23	87.47	4.2	33.79	7.6	25.8	0.30
F29	09 Nov 2021	100	11.23	87.31	4.1	33.79	7.6	25.8	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F30	09 Nov 2021	1	18.12	85.60	7.9	33.55	8.1	24.1	0.45
F30	09 Nov 2021	2	18.08	83.21	7.9	33.56	8.1	24.1	0.45
F30	09 Nov 2021	3	17.97	85.56	7.9	33.56	8.1	24.2	0.45
F30	09 Nov 2021	4	17.89	85.45	7.9	33.55	8.1	24.2	0.45
F30	09 Nov 2021	5	17.88	85.45	7.9	33.55	8.1	24.2	0.48
F30	09 Nov 2021	6	17.87	85.45	7.9	33.54	8.1	24.2	0.51
F30	09 Nov 2021	7	17.86	85.43	7.9	33.54	8.1	24.2	0.52
F30	09 Nov 2021	8	17.86	85.42	7.9	33.54	8.1	24.2	0.57
F30	09 Nov 2021	9	17.86	85.45	7.9	33.54	8.1	24.2	0.60
F30	09 Nov 2021	10	17.85	85.46	7.9	33.54	8.1	24.2	0.62
F30	09 Nov 2021	11	17.84	85.44	7.9	33.54	8.1	24.2	0.68
F30	09 Nov 2021	12	17.83	85.43	7.9	33.54	8.1	24.2	0.72
F30	09 Nov 2021	13	17.76	85.46	7.9	33.54	8.1	24.2	0.75
F30	09 Nov 2021	14	17.67	85.37	7.9	33.53	8.1	24.2	0.85
F30	09 Nov 2021	15	17.65	85.17	8.0	33.53	8.1	24.2	0.95
F30	09 Nov 2021	16	17.57	85.11	8.0	33.53	8.1	24.3	1.08
F30	09 Nov 2021	17	17.34	85.10	8.0	33.53	8.1	24.3	1.14
F30	09 Nov 2021	18	17.25	85.17	8.0	33.51	8.1	24.3	1.30
F30	09 Nov 2021	19	17.22	85.09	8.0	33.51	8.1	24.3	1.40
F30	09 Nov 2021	20	17.14	84.98	7.9	33.51	8.1	24.3	1.47
F30	09 Nov 2021	21	16.95	84.99	7.9	33.51	8.0	24.4	1.53
F30	09 Nov 2021	22	16.53	85.14	7.7	33.52	8.0	24.5	1.65
F30	09 Nov 2021	23	15.15	85.60	7.6	33.50	8.0	24.8	1.74
F30	09 Nov 2021	24	14.53	86.27	7.6	33.37	8.0	24.8	1.70
F30	09 Nov 2021	25	13.97	86.63	7.6	33.33	8.0	24.9	1.68
F30	09 Nov 2021	26	13.85	86.75	7.6	33.30	8.0	24.9	1.57
F30	09 Nov 2021	27	13.82	86.84	7.6	33.30	7.9	24.9	1.43
F30	09 Nov 2021	28	13.79	86.85	7.6	33.30	7.9	24.9	1.35
F30	09 Nov 2021	29	13.76	87.00	7.6	33.30	7.9	24.9	1.31
F30	09 Nov 2021	30	13.68	87.05	7.6	33.30	7.9	24.9	1.28
F30	09 Nov 2021	31	13.61	87.16	7.5	33.30	7.9	25.0	1.19
F30	09 Nov 2021	32	13.44	87.27	7.4	33.33	7.9	25.0	1.18
F30	09 Nov 2021	33	13.36	87.36	7.3	33.34	7.9	25.0	1.12
F30	09 Nov 2021	34	13.30	87.46	7.3	33.35	7.9	25.1	1.08
F30	09 Nov 2021	35	13.28	87.45	7.3	33.35	7.9	25.1	1.05
F30	09 Nov 2021	36	13.22	87.45	7.2	33.36	7.9	25.1	1.03
F30	09 Nov 2021	37	13.18	87.46	7.2	33.36	7.9	25.1	1.02
F30	09 Nov 2021	38	13.17	87.47	7.2	33.37	7.9	25.1	1.01
F30	09 Nov 2021	39	13.16	87.48	7.1	33.37	7.9	25.1	0.99
F30	09 Nov 2021	40	13.16	87.49	7.1	33.37	7.9	25.1	1.01
F30	09 Nov 2021	41	13.15	87.48	7.1	33.37	7.9	25.1	1.02
F30	09 Nov 2021	42	13.09	87.46	7.0	33.38	7.9	25.1	1.01
F30	09 Nov 2021	43	13.02	87.56	7.0	33.39	7.9	25.1	0.97
F30	09 Nov 2021	44	12.86	87.65	6.8	33.41	7.9	25.2	0.95
F30	09 Nov 2021	45	12.75	87.77	6.8	33.40	7.9	25.2	0.90
F30	09 Nov 2021	46	12.71	87.82	6.7	33.41	7.9	25.2	0.84
F30	09 Nov 2021	47	12.59	87.81	6.5	33.43	7.8	25.3	0.80
F30	09 Nov 2021	48	12.50	87.89	6.4	33.45	7.8	25.3	0.77
F30	09 Nov 2021	49	12.37	87.89	6.2	33.47	7.8	25.3	0.76
F30	09 Nov 2021	50	12.31	87.92	6.1	33.48	7.8	25.4	0.70
F30	09 Nov 2021	51	12.28	87.91	6.0	33.48	7.8	25.4	0.64
F30	09 Nov 2021	52	12.26	87.87	6.0	33.49	7.8	25.4	0.62
F30	09 Nov 2021	53	12.24	87.90	6.0	33.49	7.8	25.4	0.59
F30	09 Nov 2021	54	12.21	87.97	6.0	33.50	7.8	25.4	0.58
F30	09 Nov 2021	55	12.18	88.00	5.9	33.50	7.8	25.4	0.55
F30	09 Nov 2021	56	12.14	88.03	5.9	33.51	7.8	25.4	0.55
F30	09 Nov 2021	57	12.10	88.06	5.9	33.51	7.8	25.4	0.53
F30	09 Nov 2021	58	12.04	88.10	5.8	33.52	7.8	25.4	0.51
F30	09 Nov 2021	59	11.99	88.11	5.8	33.53	7.8	25.5	0.50
F30	09 Nov 2021	60	11.96	88.15	5.8	33.53	7.8	25.5	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	09 Nov 2021	61	11.95	88.14	5.7	33.54	7.8	25.5	0.46
F30	09 Nov 2021	62	11.93	88.05	5.7	33.54	7.8	25.5	0.44
F30	09 Nov 2021	63	11.83	88.06	5.6	33.56	7.8	25.5	0.45
F30	09 Nov 2021	64	11.77	88.10	5.5	33.57	7.8	25.5	0.42
F30	09 Nov 2021	65	11.73	87.74	5.4	33.58	7.8	25.5	0.42
F30	09 Nov 2021	66	11.67	87.01	5.2	33.59	7.7	25.6	0.39
F30	09 Nov 2021	67	11.65	86.47	5.1	33.59	7.7	25.6	0.37
F30	09 Nov 2021	68	11.64	86.02	5.1	33.59	7.7	25.6	0.36
F30	09 Nov 2021	69	11.61	85.55	5.0	33.59	7.7	25.6	0.36
F30	09 Nov 2021	70	11.58	85.31	4.9	33.59	7.7	25.6	0.36
F30	09 Nov 2021	71	11.55	85.17	4.8	33.60	7.7	25.6	0.35
F30	09 Nov 2021	72	11.52	85.23	4.8	33.61	7.7	25.6	0.36
F30	09 Nov 2021	73	11.53	85.39	4.7	33.61	7.7	25.6	0.34
F30	09 Nov 2021	74	11.52	85.40	4.7	33.62	7.7	25.6	0.33
F30	09 Nov 2021	75	11.52	86.08	4.8	33.64	7.7	25.6	0.33
F30	09 Nov 2021	76	11.53	86.93	4.8	33.64	7.7	25.6	0.32
F30	09 Nov 2021	77	11.53	87.74	4.8	33.66	7.7	25.6	0.32
F30	09 Nov 2021	78	11.51	87.87	4.8	33.67	7.7	25.7	0.32
F30	09 Nov 2021	79	11.51	87.86	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	80	11.51	87.82	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	81	11.51	87.79	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	82	11.50	87.75	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	83	11.50	87.72	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	84	11.49	87.62	4.7	33.68	7.7	25.7	0.32
F30	09 Nov 2021	85	11.46	87.46	4.7	33.69	7.7	25.7	0.32
F30	09 Nov 2021	86	11.45	87.17	4.7	33.69	7.7	25.7	0.32
F30	09 Nov 2021	87	11.42	87.16	4.6	33.70	7.7	25.7	0.31
F30	09 Nov 2021	88	11.41	87.14	4.6	33.71	7.7	25.7	0.31
F30	09 Nov 2021	89	11.40	87.10	4.6	33.71	7.7	25.7	0.31
F30	09 Nov 2021	90	11.40	87.17	4.5	33.71	7.7	25.7	0.32
F30	09 Nov 2021	91	11.39	87.13	4.5	33.72	7.7	25.7	0.31
F30	09 Nov 2021	92	11.37	87.09	4.5	33.72	7.7	25.7	0.30
F30	09 Nov 2021	93	11.35	87.02	4.5	33.73	7.7	25.7	0.30
F30	09 Nov 2021	94	11.33	86.85	4.4	33.74	7.7	25.7	0.30
F30	09 Nov 2021	95	11.33	86.76	4.4	33.74	7.7	25.7	0.30
F30	09 Nov 2021	96	11.33	86.69	4.4	33.74	7.7	25.7	0.30
F30	09 Nov 2021	97	11.33	86.58	4.4	33.74	7.7	25.7	0.30
F30	09 Nov 2021	98	11.33	86.50	4.4	33.74	7.7	25.7	0.29
F31	09 Nov 2021	1	18.01	85.50	8.0	33.55	8.1	24.2	0.51
F31	09 Nov 2021	2	18.00	85.39	7.9	33.55	8.1	24.2	0.50
F31	09 Nov 2021	3	17.98	85.45	8.0	33.55	8.1	24.2	0.49
F31	09 Nov 2021	4	17.97	85.44	8.0	33.55	8.1	24.2	0.50
F31	09 Nov 2021	5	17.95	85.42	8.0	33.55	8.1	24.2	0.53
F31	09 Nov 2021	6	17.92	85.41	8.0	33.55	8.1	24.2	0.54
F31	09 Nov 2021	7	17.90	85.35	8.0	33.55	8.1	24.2	0.55
F31	09 Nov 2021	8	17.85	85.43	8.0	33.55	8.1	24.2	0.58
F31	09 Nov 2021	9	17.76	85.53	8.0	33.55	8.1	24.2	0.62
F31	09 Nov 2021	10	17.64	85.58	8.0	33.55	8.1	24.2	0.67
F31	09 Nov 2021	11	17.58	85.66	8.0	33.53	8.1	24.2	0.72
F31	09 Nov 2021	12	17.57	85.65	8.0	33.52	8.1	24.2	0.75
F31	09 Nov 2021	13	17.56	85.66	8.0	33.53	8.1	24.2	0.82
F31	09 Nov 2021	14	17.55	85.70	8.0	33.53	8.1	24.3	0.86
F31	09 Nov 2021	15	17.54	85.71	8.0	33.53	8.1	24.3	0.88
F31	09 Nov 2021	16	17.52	85.70	8.0	33.53	8.1	24.3	0.92
F31	09 Nov 2021	17	17.50	85.70	8.0	33.53	8.1	24.3	1.02
F31	09 Nov 2021	18	17.46	85.72	8.0	33.53	8.1	24.3	0.98
F31	09 Nov 2021	19	17.43	85.76	8.0	33.53	8.1	24.3	1.03
F31	09 Nov 2021	20	17.35	85.79	8.0	33.53	8.1	24.3	1.05
F31	09 Nov 2021	21	17.22	85.74	8.0	33.53	8.1	24.3	1.09
F31	09 Nov 2021	22	17.15	85.68	7.9	33.52	8.1	24.3	1.14

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F31	09 Nov 2021	23	17.09	85.60	7.9	33.51	8.0	24.4	1.26
F31	09 Nov 2021	24	17.02	85.63	7.9	33.51	8.0	24.4	1.33
F31	09 Nov 2021	25	16.74	85.54	7.8	33.52	8.0	24.4	1.33
F31	09 Nov 2021	26	16.18	85.15	7.8	33.50	8.0	24.6	1.46
F31	09 Nov 2021	27	15.92	85.06	7.8	33.48	8.0	24.6	1.64
F31	09 Nov 2021	28	15.54	85.35	7.7	33.46	8.0	24.7	1.71
F31	09 Nov 2021	29	15.05	85.97	7.5	33.42	8.0	24.7	1.76
F31	09 Nov 2021	30	14.49	86.36	7.5	33.39	8.0	24.8	1.71
F31	09 Nov 2021	31	14.21	86.73	7.4	33.37	7.9	24.9	1.63
F31	09 Nov 2021	32	14.00	86.87	7.4	33.37	7.9	24.9	1.53
F31	09 Nov 2021	33	13.52	87.03	7.4	33.35	7.9	25.0	1.43
F31	09 Nov 2021	34	13.39	87.30	7.4	33.31	7.9	25.0	1.30
F31	09 Nov 2021	35	13.34	87.42	7.5	33.31	7.9	25.0	1.20
F31	09 Nov 2021	36	13.29	87.46	7.4	33.31	7.9	25.0	1.16
F31	09 Nov 2021	37	13.21	87.54	7.4	33.32	7.9	25.1	1.08
F31	09 Nov 2021	38	13.18	87.61	7.3	33.32	7.9	25.1	1.05
F31	09 Nov 2021	39	13.12	87.67	7.3	33.34	7.9	25.1	1.01
F31	09 Nov 2021	40	13.09	87.73	7.2	33.35	7.9	25.1	0.99
F31	09 Nov 2021	41	13.04	87.80	7.1	33.36	7.9	25.1	0.94
F31	09 Nov 2021	42	12.96	87.84	7.1	33.38	7.9	25.1	0.91
F31	09 Nov 2021	43	12.85	87.89	7.0	33.39	7.9	25.2	0.87
F31	09 Nov 2021	44	12.72	87.94	6.9	33.40	7.9	25.2	0.86
F31	09 Nov 2021	45	12.63	87.99	6.8	33.41	7.9	25.2	0.81
F31	09 Nov 2021	46	12.50	88.04	6.5	33.44	7.8	25.3	0.79
F31	09 Nov 2021	47	12.35	88.06	6.3	33.47	7.8	25.3	0.75
F31	09 Nov 2021	48	12.28	88.11	6.2	33.48	7.8	25.4	0.69
F31	09 Nov 2021	49	12.28	88.12	6.1	33.48	7.8	25.4	0.65
F31	09 Nov 2021	50	12.22	88.07	6.0	33.49	7.8	25.4	0.62
F31	09 Nov 2021	51	12.20	88.02	6.0	33.49	7.8	25.4	0.59
F31	09 Nov 2021	52	12.19	87.99	6.0	33.50	7.8	25.4	0.60
F31	09 Nov 2021	53	12.17	88.00	5.9	33.50	7.8	25.4	0.60
F31	09 Nov 2021	54	12.14	88.03	5.9	33.51	7.8	25.4	0.57
F31	09 Nov 2021	55	12.08	88.04	5.8	33.52	7.8	25.4	0.57
F31	09 Nov 2021	56	12.04	88.10	5.8	33.53	7.8	25.4	0.56
F31	09 Nov 2021	57	12.02	88.20	5.8	33.53	7.8	25.4	0.53
F31	09 Nov 2021	58	11.93	88.25	5.7	33.55	7.8	25.5	0.52
F31	09 Nov 2021	59	11.89	88.26	5.6	33.56	7.8	25.5	0.48
F31	09 Nov 2021	60	11.85	88.24	5.6	33.57	7.8	25.5	0.47
F31	09 Nov 2021	61	11.83	88.25	5.5	33.57	7.8	25.5	0.46
F31	09 Nov 2021	62	11.82	88.24	5.5	33.57	7.8	25.5	0.45
F31	09 Nov 2021	63	11.81	88.26	5.5	33.57	7.8	25.5	0.44
F31	09 Nov 2021	64	11.77	88.24	5.5	33.58	7.8	25.5	0.43
F31	09 Nov 2021	65	11.73	88.23	5.4	33.59	7.8	25.5	0.42
F31	09 Nov 2021	66	11.68	88.23	5.3	33.60	7.7	25.6	0.41
F31	09 Nov 2021	67	11.63	88.20	5.2	33.62	7.7	25.6	0.40
F31	09 Nov 2021	68	11.60	88.17	5.1	33.63	7.7	25.6	0.39
F31	09 Nov 2021	69	11.54	88.17	5.0	33.65	7.7	25.6	0.38
F31	09 Nov 2021	70	11.52	88.13	4.9	33.66	7.7	25.6	0.37
F31	09 Nov 2021	71	11.52	88.10	4.9	33.66	7.7	25.6	0.36
F31	09 Nov 2021	72	11.52	88.10	4.9	33.66	7.7	25.6	0.35
F31	09 Nov 2021	73	11.52	88.08	4.9	33.66	7.7	25.6	0.35
F31	09 Nov 2021	74	11.52	88.10	4.9	33.66	7.7	25.6	0.36
F31	09 Nov 2021	75	11.51	87.96	4.9	33.66	7.7	25.6	0.35
F31	09 Nov 2021	76	11.51	88.05	4.9	33.66	7.7	25.6	0.35
F31	09 Nov 2021	77	11.50	88.03	4.9	33.66	7.7	25.6	0.35
F31	09 Nov 2021	78	11.48	87.75	4.8	33.66	7.7	25.6	0.35
F31	09 Nov 2021	79	11.48	87.68	4.8	33.66	7.7	25.6	0.34
F31	09 Nov 2021	80	11.47	87.57	4.8	33.66	7.7	25.6	0.34
F31	09 Nov 2021	81	11.46	87.18	4.7	33.66	7.7	25.6	0.34
F31	09 Nov 2021	82	11.44	86.74	4.7	33.66	7.7	25.7	0.34
F31	09 Nov 2021	83	11.42	86.32	4.6	33.66	7.7	25.7	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F31	09 Nov 2021	84	11.41	86.16	4.6	33.66	7.7	25.7	0.33
F31	09 Nov 2021	85	11.41	86.18	4.5	33.66	7.7	25.7	0.32
F31	09 Nov 2021	86	11.40	86.37	4.5	33.67	7.7	25.7	0.33
F31	09 Nov 2021	87	11.40	86.42	4.6	33.67	7.7	25.7	0.32
F31	09 Nov 2021	88	11.38	86.26	4.5	33.67	7.7	25.7	0.32
F31	09 Nov 2021	89	11.36	86.10	4.4	33.68	7.7	25.7	0.33
F31	09 Nov 2021	90	11.35	86.24	4.4	33.70	7.7	25.7	0.32
F31	09 Nov 2021	91	11.34	86.87	4.4	33.71	7.7	25.7	0.33
F31	09 Nov 2021	92	11.34	87.42	4.4	33.72	7.7	25.7	0.31
F31	09 Nov 2021	93	11.33	87.89	4.5	33.72	7.7	25.7	0.32
F31	09 Nov 2021	94	11.31	87.90	4.5	33.73	7.7	25.7	0.32
F31	09 Nov 2021	95	11.30	87.90	4.5	33.73	7.7	25.7	0.32
F31	09 Nov 2021	96	11.30	87.76	4.5	33.73	7.7	25.7	0.31
F31	09 Nov 2021	97	11.29	87.68	4.5	33.73	7.7	25.7	0.32
F31	09 Nov 2021	98	11.29	87.43	4.4	33.73	7.7	25.7	0.32
F31	09 Nov 2021	99	11.29	87.01	4.4	33.73	7.7	25.7	0.32
F32	09 Nov 2021	1	17.72	85.55	8.0	33.53	8.1	24.2	0.53
F32	09 Nov 2021	2	17.70	84.97	8.0	33.53	8.1	24.2	0.54
F32	09 Nov 2021	3	17.65	85.28	8.0	33.53	8.1	24.2	0.55
F32	09 Nov 2021	4	17.62	85.71	8.0	33.53	8.1	24.2	0.56
F32	09 Nov 2021	5	17.59	85.63	8.0	33.53	8.1	24.2	0.59
F32	09 Nov 2021	6	17.57	85.74	8.0	33.53	8.1	24.2	0.62
F32	09 Nov 2021	7	17.56	85.73	8.0	33.53	8.1	24.3	0.67
F32	09 Nov 2021	8	17.54	85.77	8.0	33.53	8.1	24.3	0.69
F32	09 Nov 2021	9	17.53	85.87	8.0	33.53	8.1	24.3	0.70
F32	09 Nov 2021	10	17.52	85.88	8.0	33.53	8.1	24.3	0.74
F32	09 Nov 2021	11	17.51	85.94	8.0	33.53	8.1	24.3	0.76
F32	09 Nov 2021	12	17.50	85.94	8.0	33.53	8.1	24.3	0.81
F32	09 Nov 2021	13	17.45	86.00	8.0	33.53	8.1	24.3	0.85
F32	09 Nov 2021	14	17.41	86.08	8.0	33.52	8.1	24.3	0.90
F32	09 Nov 2021	15	17.34	86.11	8.0	33.52	8.1	24.3	0.99
F32	09 Nov 2021	16	17.30	86.14	8.0	33.52	8.0	24.3	1.00
F32	09 Nov 2021	17	17.26	86.19	8.0	33.52	8.0	24.3	1.07
F32	09 Nov 2021	18	17.20	86.27	7.9	33.52	8.0	24.3	1.06
F32	09 Nov 2021	19	17.14	86.25	8.0	33.52	8.0	24.3	1.12
F32	09 Nov 2021	20	17.01	86.13	7.9	33.51	8.0	24.4	1.17
F32	09 Nov 2021	21	16.80	86.01	7.9	33.51	8.0	24.4	1.24
F32	09 Nov 2021	22	16.46	85.76	7.9	33.51	8.0	24.5	1.36
F32	09 Nov 2021	23	16.11	85.53	7.8	33.50	8.0	24.6	1.61
F32	09 Nov 2021	24	15.57	85.49	7.7	33.47	8.0	24.7	1.67
F32	09 Nov 2021	25	15.42	85.79	7.6	33.44	8.0	24.7	1.74
F32	09 Nov 2021	26	15.22	85.95	7.5	33.44	8.0	24.7	1.85
F32	09 Nov 2021	27	14.81	86.31	7.5	33.42	8.0	24.8	1.86
F32	09 Nov 2021	28	14.53	86.65	7.5	33.38	7.9	24.8	1.74
F32	09 Nov 2021	29	14.09	87.07	7.4	33.39	7.9	24.9	1.70
F32	09 Nov 2021	30	13.91	87.29	7.4	33.37	7.9	24.9	1.66
F32	09 Nov 2021	31	13.93	87.37	7.4	33.35	7.9	24.9	1.50
F32	09 Nov 2021	32	13.90	87.42	7.4	33.37	7.9	24.9	1.42
F32	09 Nov 2021	33	13.77	87.46	7.3	33.36	7.9	25.0	1.40
F32	09 Nov 2021	34	13.69	87.49	7.4	33.35	7.9	25.0	1.35
F32	09 Nov 2021	35	13.59	87.59	7.3	33.35	7.9	25.0	1.32
F32	09 Nov 2021	36	13.43	87.65	7.3	33.35	7.9	25.0	1.28
F32	09 Nov 2021	37	13.32	87.74	7.3	33.36	7.9	25.1	1.20
F32	09 Nov 2021	38	13.13	87.91	7.3	33.34	7.9	25.1	1.16
F32	09 Nov 2021	39	13.11	87.94	7.3	33.34	7.9	25.1	1.14
F32	09 Nov 2021	40	13.08	88.00	7.2	33.34	7.9	25.1	1.06
F32	09 Nov 2021	41	13.06	88.02	7.2	33.34	7.9	25.1	1.05
F32	09 Nov 2021	42	13.06	88.02	7.2	33.34	7.9	25.1	1.00
F32	09 Nov 2021	43	12.98	88.09	7.2	33.36	7.9	25.1	0.96
F32	09 Nov 2021	44	12.89	88.19	7.1	33.37	7.9	25.1	1.00



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	09 Nov 2021	45	12.85	87.95	7.0	33.38	7.9	25.2	0.94
F32	09 Nov 2021	46	12.75	88.26	6.9	33.40	7.9	25.2	0.88
F32	09 Nov 2021	47	12.70	88.31	6.8	33.41	7.9	25.2	0.88
F32	09 Nov 2021	48	12.68	88.36	6.8	33.41	7.9	25.2	0.85
F32	09 Nov 2021	49	12.63	88.34	6.8	33.41	7.8	25.2	0.83
F32	09 Nov 2021	50	12.56	88.29	6.7	33.41	7.8	25.2	0.80
F32	09 Nov 2021	51	12.51	88.40	6.6	33.42	7.8	25.3	0.78
F32	09 Nov 2021	52	12.40	88.42	6.5	33.45	7.8	25.3	0.75
F32	09 Nov 2021	53	12.32	88.42	6.3	33.48	7.8	25.3	0.74
F32	09 Nov 2021	54	12.23	88.47	6.2	33.50	7.8	25.4	0.70
F32	09 Nov 2021	55	12.19	88.47	6.0	33.50	7.8	25.4	0.67
F32	09 Nov 2021	56	12.13	88.43	5.9	33.51	7.8	25.4	0.65
F32	09 Nov 2021	57	12.08	88.39	5.9	33.52	7.8	25.4	0.61
F32	09 Nov 2021	58	12.02	88.15	5.8	33.53	7.8	25.4	0.59
F32	09 Nov 2021	59	12.01	88.14	5.7	33.53	7.8	25.4	0.57
F32	09 Nov 2021	60	12.01	88.18	5.7	33.53	7.8	25.4	0.53
F32	09 Nov 2021	61	12.01	88.25	5.7	33.53	7.8	25.4	0.52
F32	09 Nov 2021	62	12.00	88.25	5.7	33.53	7.8	25.5	0.51
F32	09 Nov 2021	63	11.99	88.30	5.7	33.54	7.8	25.5	0.51
F32	09 Nov 2021	64	11.97	88.37	5.6	33.55	7.8	25.5	0.51
F32	09 Nov 2021	65	11.93	88.41	5.6	33.56	7.8	25.5	0.50
F32	09 Nov 2021	66	11.90	88.46	5.6	33.56	7.8	25.5	0.50
F32	09 Nov 2021	67	11.87	88.51	5.5	33.58	7.8	25.5	0.49
F32	09 Nov 2021	68	11.77	88.60	5.4	33.61	7.7	25.6	0.48
F32	09 Nov 2021	69	11.64	88.60	5.2	33.64	7.7	25.6	0.46
F32	09 Nov 2021	70	11.59	88.14	5.1	33.64	7.7	25.6	0.43
F32	09 Nov 2021	71	11.56	87.49	5.0	33.64	7.7	25.6	0.41
F32	09 Nov 2021	72	11.56	87.56	4.9	33.64	7.7	25.6	0.38
F32	09 Nov 2021	73	11.55	87.62	4.8	33.64	7.7	25.6	0.38
F32	09 Nov 2021	74	11.54	87.24	4.8	33.64	7.7	25.6	0.37
F32	09 Nov 2021	75	11.54	86.94	4.8	33.64	7.7	25.6	0.36
F32	09 Nov 2021	76	11.52	86.46	4.7	33.63	7.7	25.6	0.35
F32	09 Nov 2021	77	11.53	86.19	4.7	33.63	7.7	25.6	0.35
F32	09 Nov 2021	78	11.51	85.62	4.6	33.63	7.7	25.6	0.35
F32	09 Nov 2021	79	11.50	85.43	4.6	33.63	7.7	25.6	0.34
F32	09 Nov 2021	80	11.49	85.26	4.5	33.63	7.7	25.6	0.34
F32	09 Nov 2021	81	11.46	84.62	4.4	33.62	7.7	25.6	0.34
F32	09 Nov 2021	82	11.45	84.12	4.4	33.62	7.7	25.6	0.33
F32	09 Nov 2021	83	11.48	84.62	4.4	33.63	7.7	25.6	0.33
F32	09 Nov 2021	84	11.48	85.52	4.5	33.65	7.7	25.6	0.33
F32	09 Nov 2021	85	11.43	85.19	4.4	33.66	7.6	25.6	0.32
F32	09 Nov 2021	86	11.41	85.17	4.3	33.66	7.6	25.7	0.32
F32	09 Nov 2021	87	11.43	86.13	4.3	33.68	7.7	25.7	0.32
F32	09 Nov 2021	88	11.41	86.98	4.4	33.70	7.7	25.7	0.32
F32	09 Nov 2021	89	11.41	87.36	4.4	33.69	7.7	25.7	0.31
F32	09 Nov 2021	90	11.38	87.33	4.4	33.70	7.7	25.7	0.31
F32	09 Nov 2021	91	11.36	87.89	4.5	33.69	7.7	25.7	0.31
F32	09 Nov 2021	92	11.36	88.17	4.6	33.69	7.7	25.7	0.31
F32	09 Nov 2021	93	11.36	88.29	4.7	33.70	7.7	25.7	0.31
F32	09 Nov 2021	94	11.35	88.31	4.7	33.70	7.7	25.7	0.31
F32	09 Nov 2021	95	11.35	88.15	4.6	33.70	7.7	25.7	0.31
F32	09 Nov 2021	96	11.34	88.24	4.6	33.70	7.7	25.7	0.33
F32	09 Nov 2021	97	11.33	88.31	4.7	33.70	7.7	25.7	0.32
F32	09 Nov 2021	98	11.33	88.35	4.6	33.70	7.7	25.7	0.32
F32	09 Nov 2021	99	11.30	88.36	4.6	33.71	7.7	25.7	0.33
F32	09 Nov 2021	100	11.30	88.08	4.6	33.71	7.7	25.7	0.33
F32	09 Nov 2021	101	11.28	87.24	4.3	33.77	7.6	25.8	0.32
F32	09 Nov 2021	102	11.27	86.67	4.1	33.78	7.6	25.8	0.31
F33	09 Nov 2021	1	17.64	85.65	8.0	33.52	8.1	24.2	0.46
F33	09 Nov 2021	2	17.63	84.94	8.0	33.52	8.1	24.2	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F33	09 Nov 2021	3	17.61	85.21	8.0	33.52	8.1	24.2	0.50
F33	09 Nov 2021	4	17.61	85.61	8.0	33.52	8.1	24.2	0.50
F33	09 Nov 2021	5	17.60	85.55	8.0	33.52	8.1	24.2	0.52
F33	09 Nov 2021	6	17.59	84.24	8.0	33.52	8.1	24.2	0.53
F33	09 Nov 2021	7	17.57	85.44	8.0	33.52	8.1	24.2	0.55
F33	09 Nov 2021	8	17.57	85.27	8.0	33.52	8.1	24.2	0.59
F33	09 Nov 2021	9	17.57	85.42	8.0	33.52	8.1	24.2	0.59
F33	09 Nov 2021	10	17.56	85.52	8.0	33.52	8.1	24.2	0.63
F33	09 Nov 2021	11	17.56	85.51	8.0	33.52	8.1	24.2	0.69
F33	09 Nov 2021	12	17.56	85.54	8.0	33.52	8.1	24.2	0.70
F33	09 Nov 2021	13	17.55	85.59	8.0	33.52	8.1	24.2	0.71
F33	09 Nov 2021	14	17.55	85.64	8.0	33.52	8.1	24.2	0.79
F33	09 Nov 2021	15	17.49	85.69	8.0	33.53	8.1	24.3	0.75
F33	09 Nov 2021	16	17.38	85.87	8.0	33.52	8.1	24.3	0.79
F33	09 Nov 2021	17	17.33	85.90	8.0	33.52	8.0	24.3	0.81
F33	09 Nov 2021	18	17.23	86.03	8.0	33.52	8.0	24.3	0.90
F33	09 Nov 2021	19	17.17	86.06	8.0	33.52	8.0	24.3	0.88
F33	09 Nov 2021	20	17.10	85.97	7.9	33.52	8.0	24.4	1.01
F33	09 Nov 2021	21	16.76	85.85	7.9	33.53	8.0	24.4	1.09
F33	09 Nov 2021	22	16.47	85.76	7.8	33.49	8.0	24.5	1.19
F33	09 Nov 2021	23	16.27	85.71	7.8	33.49	8.0	24.5	1.36
F33	09 Nov 2021	24	15.89	85.76	7.6	33.48	8.0	24.6	1.49
F33	09 Nov 2021	25	15.21	85.73	7.6	33.49	8.0	24.8	1.58
F33	09 Nov 2021	26	14.90	86.04	7.5	33.43	7.9	24.8	1.66
F33	09 Nov 2021	27	14.60	86.33	7.4	33.41	7.9	24.8	1.72
F33	09 Nov 2021	28	14.35	86.50	7.4	33.39	7.9	24.9	1.64
F33	09 Nov 2021	29	14.02	86.63	7.4	33.39	7.9	24.9	1.64
F33	09 Nov 2021	30	13.71	87.03	7.3	33.38	7.9	25.0	1.47
F33	09 Nov 2021	31	13.60	87.18	7.3	33.36	7.9	25.0	1.39
F33	09 Nov 2021	32	13.54	87.31	7.3	33.35	7.9	25.0	1.34
F33	09 Nov 2021	33	13.27	87.48	7.3	33.37	7.9	25.1	1.24
F33	09 Nov 2021	34	13.01	87.65	7.2	33.35	7.9	25.1	1.15
F33	09 Nov 2021	35	12.99	87.76	7.2	33.35	7.9	25.1	1.05
F33	09 Nov 2021	36	12.95	87.80	7.2	33.36	7.9	25.1	0.98
F33	09 Nov 2021	37	12.90	87.88	7.1	33.35	7.9	25.1	0.94
F33	09 Nov 2021	38	12.89	87.90	7.1	33.35	7.9	25.1	0.92
F33	09 Nov 2021	39	12.88	87.88	7.1	33.35	7.9	25.1	0.88
F33	09 Nov 2021	40	12.83	87.90	7.1	33.36	7.9	25.2	0.88
F33	09 Nov 2021	41	12.75	87.99	7.0	33.38	7.9	25.2	0.85
F33	09 Nov 2021	42	12.72	88.05	7.0	33.38	7.9	25.2	0.80
F33	09 Nov 2021	43	12.65	88.11	6.9	33.39	7.9	25.2	0.78
F33	09 Nov 2021	44	12.60	88.12	6.8	33.40	7.9	25.2	0.74
F33	09 Nov 2021	45	12.56	88.14	6.8	33.41	7.8	25.2	0.70
F33	09 Nov 2021	46	12.50	88.15	6.6	33.43	7.8	25.3	0.74
F33	09 Nov 2021	47	12.44	88.18	6.5	33.45	7.8	25.3	0.67
F33	09 Nov 2021	48	12.41	88.22	6.5	33.45	7.8	25.3	0.64
F33	09 Nov 2021	49	12.37	88.24	6.4	33.46	7.8	25.3	0.63
F33	09 Nov 2021	50	12.35	88.26	6.4	33.46	7.8	25.3	0.63
F33	09 Nov 2021	51	12.28	88.27	6.3	33.47	7.8	25.4	0.60
F33	09 Nov 2021	52	12.25	88.25	6.3	33.47	7.8	25.4	0.61
F33	09 Nov 2021	53	12.22	88.24	6.2	33.48	7.8	25.4	0.59
F33	09 Nov 2021	54	12.21	88.24	6.2	33.48	7.8	25.4	0.58
F33	09 Nov 2021	55	12.19	88.22	6.2	33.48	7.8	25.4	0.58
F33	09 Nov 2021	56	12.15	88.20	6.1	33.49	7.8	25.4	0.56
F33	09 Nov 2021	57	12.10	88.17	6.0	33.51	7.8	25.4	0.56
F33	09 Nov 2021	58	12.05	88.16	5.9	33.51	7.8	25.4	0.55
F33	09 Nov 2021	59	12.03	88.15	5.9	33.52	7.8	25.4	0.54
F33	09 Nov 2021	60	12.02	88.13	5.9	33.52	7.8	25.4	0.53
F33	09 Nov 2021	61	11.99	88.12	5.8	33.53	7.8	25.4	0.51
F33	09 Nov 2021	62	11.96	88.13	5.8	33.53	7.8	25.5	0.50
F33	09 Nov 2021	63	11.94	88.20	5.8	33.53	7.8	25.5	0.50

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F33	09 Nov 2021	64	11.90	88.22	5.7	33.55	7.8	25.5	0.48
F33	09 Nov 2021	65	11.87	88.16	5.6	33.56	7.8	25.5	0.46
F33	09 Nov 2021	66	11.85	88.17	5.5	33.57	7.8	25.5	0.45
F33	09 Nov 2021	67	11.83	88.16	5.4	33.57	7.7	25.5	0.45
F33	09 Nov 2021	68	11.76	87.97	5.3	33.59	7.7	25.5	0.43
F33	09 Nov 2021	69	11.69	87.06	5.1	33.59	7.7	25.6	0.42
F33	09 Nov 2021	70	11.63	86.82	4.9	33.62	7.7	25.6	0.40
F33	09 Nov 2021	71	11.58	86.92	4.8	33.63	7.7	25.6	0.36
F33	09 Nov 2021	72	11.56	86.89	4.8	33.63	7.7	25.6	0.36
F33	09 Nov 2021	73	11.54	86.30	4.7	33.62	7.7	25.6	0.34
F33	09 Nov 2021	74	11.54	86.20	4.7	33.63	7.7	25.6	0.33
F33	09 Nov 2021	75	11.54	86.37	4.7	33.63	7.7	25.6	0.32
F33	09 Nov 2021	76	11.55	86.52	4.7	33.63	7.7	25.6	0.31
F33	09 Nov 2021	77	11.58	87.07	4.8	33.63	7.7	25.6	0.31
F33	09 Nov 2021	78	11.58	87.22	4.9	33.64	7.7	25.6	0.33
F33	09 Nov 2021	79	11.59	87.48	4.9	33.64	7.7	25.6	0.33
F33	09 Nov 2021	80	11.59	87.55	4.9	33.64	7.7	25.6	0.33
F33	09 Nov 2021	81	11.57	87.47	4.8	33.65	7.7	25.6	0.33
F33	09 Nov 2021	82	11.55	87.31	4.8	33.65	7.7	25.6	0.33
F33	09 Nov 2021	83	11.54	87.27	4.7	33.65	7.7	25.6	0.32
F33	09 Nov 2021	84	11.53	87.20	4.7	33.65	7.7	25.6	0.32
F33	09 Nov 2021	85	11.53	87.26	4.7	33.65	7.7	25.6	0.32
F33	09 Nov 2021	86	11.53	87.25	4.7	33.66	7.7	25.6	0.33
F33	09 Nov 2021	87	11.52	87.27	4.6	33.66	7.7	25.6	0.31
F33	09 Nov 2021	88	11.49	87.25	4.6	33.67	7.7	25.6	0.30
F33	09 Nov 2021	89	11.49	87.20	4.6	33.67	7.7	25.7	0.30
F33	09 Nov 2021	90	11.47	87.20	4.5	33.68	7.7	25.7	0.30
F33	09 Nov 2021	91	11.44	87.20	4.5	33.69	7.7	25.7	0.30
F33	09 Nov 2021	92	11.42	87.19	4.4	33.69	7.7	25.7	0.30
F33	09 Nov 2021	93	11.41	87.23	4.4	33.69	7.6	25.7	0.29
F33	09 Nov 2021	94	11.40	87.31	4.4	33.69	7.6	25.7	0.29
F33	09 Nov 2021	95	11.40	87.30	4.4	33.69	7.6	25.7	0.28
F33	09 Nov 2021	96	11.37	87.23	4.4	33.70	7.6	25.7	0.28
F33	09 Nov 2021	97	11.35	87.27	4.4	33.70	7.6	25.7	0.28
F33	09 Nov 2021	98	11.35	87.36	4.4	33.71	7.6	25.7	0.28
F33	09 Nov 2021	99	11.27	87.29	4.2	33.78	7.6	25.8	0.28
F33	09 Nov 2021	100	11.24	87.31	4.0	33.79	7.6	25.8	0.28
F33	09 Nov 2021	101	11.20	87.20	4.0	33.81	7.6	25.8	0.27
F33	09 Nov 2021	102	11.13	87.00	3.8	33.85	7.6	25.9	0.27
F34	09 Nov 2021	2	17.62	85.72	8.0	33.52	8.1	24.2	0.55
F34	09 Nov 2021	3	17.61	85.92	8.0	33.52	8.1	24.2	0.52
F34	09 Nov 2021	4	17.60	85.98	8.0	33.52	8.1	24.2	0.52
F34	09 Nov 2021	5	17.58	85.97	8.0	33.52	8.1	24.2	0.54
F34	09 Nov 2021	6	17.58	86.02	8.0	33.52	8.1	24.2	0.56
F34	09 Nov 2021	7	17.58	86.00	8.0	33.52	8.1	24.2	0.58
F34	09 Nov 2021	8	17.57	85.94	8.0	33.52	8.1	24.2	0.61
F34	09 Nov 2021	9	17.57	85.95	8.0	33.52	8.1	24.2	0.66
F34	09 Nov 2021	10	17.57	86.00	8.0	33.52	8.1	24.2	0.65
F34	09 Nov 2021	11	17.56	85.94	8.0	33.52	8.1	24.2	0.68
F34	09 Nov 2021	12	17.55	85.94	8.0	33.52	8.1	24.2	0.71
F34	09 Nov 2021	13	17.55	85.93	8.0	33.52	8.1	24.2	0.71
F34	09 Nov 2021	14	17.54	85.90	8.0	33.52	8.1	24.2	0.72
F34	09 Nov 2021	15	17.52	85.93	8.0	33.52	8.1	24.3	0.73
F34	09 Nov 2021	16	17.47	86.13	8.0	33.52	8.1	24.3	0.76
F34	09 Nov 2021	17	17.38	86.31	8.0	33.52	8.1	24.3	0.77
F34	09 Nov 2021	18	17.26	86.39	8.0	33.53	8.0	24.3	0.79
F34	09 Nov 2021	19	17.11	86.60	8.0	33.52	8.0	24.4	0.80
F34	09 Nov 2021	20	16.96	86.62	7.9	33.53	8.0	24.4	0.83
F34	09 Nov 2021	21	16.61	86.41	7.9	33.52	8.0	24.5	0.94
F34	09 Nov 2021	22	16.51	86.13	7.8	33.50	8.0	24.5	1.18

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	09 Nov 2021	23	16.30	86.14	7.7	33.51	8.0	24.5	1.36
F34	09 Nov 2021	24	15.73	86.19	7.6	33.51	8.0	24.7	1.39
F34	09 Nov 2021	25	15.37	86.17	7.5	33.46	8.0	24.7	1.48
F34	09 Nov 2021	26	14.87	86.20	7.4	33.47	7.9	24.8	1.63
F34	09 Nov 2021	27	14.34	86.89	7.3	33.42	7.9	24.9	1.72
F34	09 Nov 2021	28	14.20	87.02	7.3	33.39	7.9	24.9	1.49
F34	09 Nov 2021	29	13.98	87.07	7.4	33.37	7.9	24.9	1.42
F34	09 Nov 2021	30	13.89	87.34	7.4	33.36	7.9	24.9	1.46
F34	09 Nov 2021	31	13.82	87.44	7.4	33.35	7.9	24.9	1.35
F34	09 Nov 2021	32	13.66	87.61	7.3	33.37	7.9	25.0	1.29
F34	09 Nov 2021	33	13.37	87.72	7.2	33.38	7.9	25.1	1.26
F34	09 Nov 2021	34	13.31	87.94	7.1	33.38	7.9	25.1	1.17
F34	09 Nov 2021	35	13.20	88.04	7.1	33.37	7.9	25.1	1.09
F34	09 Nov 2021	36	13.16	88.11	7.2	33.37	7.9	25.1	1.02
F34	09 Nov 2021	37	13.05	88.18	7.1	33.38	7.9	25.1	0.97
F34	09 Nov 2021	38	12.89	88.23	7.1	33.38	7.9	25.2	0.96
F34	09 Nov 2021	39	12.76	88.26	7.0	33.38	7.9	25.2	0.90
F34	09 Nov 2021	40	12.70	88.36	7.0	33.38	7.9	25.2	0.86
F34	09 Nov 2021	41	12.67	88.42	6.9	33.38	7.9	25.2	0.82
F34	09 Nov 2021	42	12.63	88.49	6.9	33.39	7.9	25.2	0.78
F34	09 Nov 2021	43	12.60	88.50	6.8	33.39	7.9	25.2	0.76
F34	09 Nov 2021	44	12.59	88.53	6.8	33.39	7.8	25.2	0.71
F34	09 Nov 2021	45	12.58	88.53	6.8	33.40	7.8	25.2	0.71
F34	09 Nov 2021	46	12.54	88.55	6.8	33.41	7.8	25.2	0.73
F34	09 Nov 2021	47	12.49	88.53	6.7	33.42	7.8	25.3	0.68
F34	09 Nov 2021	48	12.44	88.55	6.6	33.43	7.8	25.3	0.68
F34	09 Nov 2021	49	12.36	88.60	6.5	33.45	7.8	25.3	0.64
F34	09 Nov 2021	50	12.27	88.63	6.4	33.47	7.8	25.3	0.68
F34	09 Nov 2021	51	12.13	88.70	6.3	33.48	7.8	25.4	0.62
F34	09 Nov 2021	52	12.12	88.68	6.2	33.48	7.8	25.4	0.59
F34	09 Nov 2021	53	12.12	88.66	6.2	33.48	7.8	25.4	0.55
F34	09 Nov 2021	54	12.12	88.66	6.2	33.48	7.8	25.4	0.54
F34	09 Nov 2021	55	12.10	88.63	6.2	33.48	7.8	25.4	0.54
F34	09 Nov 2021	56	12.06	88.59	6.1	33.49	7.8	25.4	0.54
F34	09 Nov 2021	57	12.00	88.55	6.1	33.50	7.8	25.4	0.53
F34	09 Nov 2021	58	11.93	88.65	6.0	33.51	7.8	25.4	0.52
F34	09 Nov 2021	59	11.90	88.64	6.0	33.51	7.8	25.5	0.50
F34	09 Nov 2021	60	11.88	88.68	5.9	33.52	7.8	25.5	0.49
F34	09 Nov 2021	61	11.86	88.65	5.9	33.52	7.8	25.5	0.47
F34	09 Nov 2021	62	11.85	88.61	5.8	33.53	7.8	25.5	0.47
F34	09 Nov 2021	63	11.84	88.63	5.8	33.53	7.8	25.5	0.46
F34	09 Nov 2021	64	11.84	88.65	5.8	33.53	7.8	25.5	0.46
F34	09 Nov 2021	65	11.82	88.53	5.7	33.55	7.8	25.5	0.47
F34	09 Nov 2021	66	11.77	88.57	5.5	33.58	7.8	25.5	0.45
F34	09 Nov 2021	67	11.70	88.13	5.2	33.59	7.7	25.6	0.43
F34	09 Nov 2021	68	11.70	87.61	5.0	33.59	7.7	25.6	0.40
F34	09 Nov 2021	69	11.65	87.09	5.0	33.60	7.7	25.6	0.37
F34	09 Nov 2021	70	11.57	86.30	4.8	33.60	7.7	25.6	0.36
F34	09 Nov 2021	71	11.58	86.23	4.7	33.61	7.7	25.6	0.35
F34	09 Nov 2021	72	11.58	86.51	4.8	33.62	7.7	25.6	0.33
F34	09 Nov 2021	73	11.58	86.93	4.8	33.62	7.7	25.6	0.33
F34	09 Nov 2021	74	11.57	87.51	4.8	33.64	7.7	25.6	0.32
F34	09 Nov 2021	75	11.56	87.68	4.8	33.64	7.7	25.6	0.33
F34	09 Nov 2021	76	11.54	87.72	4.8	33.65	7.7	25.6	0.33
F34	09 Nov 2021	77	11.54	87.74	4.8	33.65	7.7	25.6	0.33
F34	09 Nov 2021	78	11.54	87.73	4.8	33.65	7.7	25.6	0.33
F34	09 Nov 2021	79	11.54	87.72	4.8	33.65	7.7	25.6	0.32
F34	09 Nov 2021	80	11.54	87.78	4.8	33.65	7.7	25.6	0.32
F34	09 Nov 2021	81	11.53	87.64	4.8	33.65	7.7	25.6	0.33
F34	09 Nov 2021	82	11.52	87.56	4.7	33.65	7.7	25.6	0.32
F34	09 Nov 2021	83	11.51	87.63	4.7	33.66	7.7	25.6	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F34	09 Nov 2021	84	11.49	87.56	4.7	33.66	7.7	25.6	0.34
F34	09 Nov 2021	85	11.48	87.64	4.6	33.67	7.7	25.7	0.32
F34	09 Nov 2021	86	11.47	87.67	4.6	33.67	7.7	25.7	0.31
F34	09 Nov 2021	87	11.43	87.64	4.5	33.69	7.7	25.7	0.30
F34	09 Nov 2021	88	11.41	87.57	4.4	33.70	7.6	25.7	0.30
F34	09 Nov 2021	89	11.37	87.46	4.3	33.72	7.6	25.7	0.29
F34	09 Nov 2021	90	11.35	87.29	4.2	33.73	7.6	25.7	0.29
F34	09 Nov 2021	91	11.31	87.40	4.2	33.76	7.6	25.8	0.28
F34	09 Nov 2021	92	11.28	87.56	4.2	33.77	7.6	25.8	0.28
F34	09 Nov 2021	93	11.24	87.56	4.1	33.79	7.6	25.8	0.28
F34	09 Nov 2021	94	11.18	87.60	4.0	33.82	7.6	25.8	0.27
F34	09 Nov 2021	95	11.16	87.55	3.9	33.83	7.6	25.8	0.27
F34	09 Nov 2021	96	11.12	87.54	3.9	33.84	7.6	25.9	0.27
F34	09 Nov 2021	97	11.10	87.50	3.8	33.84	7.6	25.9	0.26
F34	09 Nov 2021	98	11.08	87.43	3.8	33.85	7.6	25.9	0.27
F34	09 Nov 2021	99	11.09	87.58	3.8	33.86	7.6	25.9	0.26
F34	09 Nov 2021	100	11.07	87.71	3.7	33.87	7.6	25.9	0.26
F34	09 Nov 2021	101	11.04	87.70	3.7	33.88	7.6	25.9	0.26
F34	09 Nov 2021	102	11.01	87.64	3.7	33.89	7.6	25.9	0.26
F35	09 Nov 2021	1	17.75	85.53	7.8	33.51	8.0	24.2	0.54
F35	09 Nov 2021	2	17.74	81.74	7.8	33.51	8.0	24.2	0.54
F35	09 Nov 2021	3	17.74	81.98	7.9	33.51	8.0	24.2	0.54
F35	09 Nov 2021	4	17.72	85.54	7.9	33.51	8.0	24.2	0.55
F35	09 Nov 2021	5	17.72	85.49	7.9	33.51	8.0	24.2	0.57
F35	09 Nov 2021	6	17.72	85.47	7.9	33.51	8.0	24.2	0.59
F35	09 Nov 2021	7	17.71	85.49	7.9	33.51	8.0	24.2	0.61
F35	09 Nov 2021	8	17.71	85.46	7.8	33.51	8.0	24.2	0.64
F35	09 Nov 2021	9	17.70	85.48	7.8	33.51	8.0	24.2	0.66
F35	09 Nov 2021	10	17.69	85.42	7.9	33.52	8.0	24.2	0.68
F35	09 Nov 2021	11	17.68	85.39	7.9	33.52	8.1	24.2	0.68
F35	09 Nov 2021	12	17.66	85.44	7.9	33.52	8.1	24.2	0.69
F35	09 Nov 2021	13	17.64	85.45	7.9	33.53	8.1	24.2	0.71
F35	09 Nov 2021	14	17.64	85.56	8.0	33.53	8.1	24.2	0.71
F35	09 Nov 2021	15	17.58	85.68	8.0	33.54	8.1	24.3	0.73
F35	09 Nov 2021	16	17.40	85.99	8.0	33.54	8.1	24.3	0.75
F35	09 Nov 2021	17	17.34	86.10	7.9	33.53	8.0	24.3	0.75
F35	09 Nov 2021	18	17.28	86.11	7.9	33.53	8.0	24.3	0.75
F35	09 Nov 2021	19	17.16	86.09	7.9	33.54	8.0	24.4	0.77
F35	09 Nov 2021	20	16.81	85.78	7.9	33.55	8.0	24.4	0.81
F35	09 Nov 2021	21	16.59	85.65	7.8	33.53	8.0	24.5	0.93
F35	09 Nov 2021	22	16.44	85.62	7.7	33.52	8.0	24.5	1.02
F35	09 Nov 2021	23	16.18	85.63	7.7	33.53	8.0	24.6	1.22
F35	09 Nov 2021	24	15.58	85.75	7.6	33.52	8.0	24.7	1.41
F35	09 Nov 2021	25	15.40	86.06	7.5	33.46	8.0	24.7	1.46
F35	09 Nov 2021	26	15.27	86.19	7.4	33.46	8.0	24.7	1.57
F35	09 Nov 2021	27	14.95	86.43	7.3	33.47	8.0	24.8	1.53
F35	09 Nov 2021	28	14.42	86.99	7.3	33.44	7.9	24.9	1.45
F35	09 Nov 2021	29	14.05	87.17	7.3	33.41	7.9	24.9	1.45
F35	09 Nov 2021	30	13.82	87.36	7.2	33.39	7.9	25.0	1.45
F35	09 Nov 2021	31	13.72	87.46	7.2	33.38	7.9	25.0	1.36
F35	09 Nov 2021	32	13.65	87.45	7.2	33.38	7.9	25.0	1.26
F35	09 Nov 2021	33	13.48	87.38	7.2	33.37	7.9	25.0	1.19
F35	09 Nov 2021	34	13.44	87.45	7.2	33.37	7.9	25.0	1.17
F35	09 Nov 2021	35	13.41	87.46	7.2	33.37	7.9	25.0	1.14
F35	09 Nov 2021	36	13.37	87.47	7.2	33.37	7.9	25.1	1.13
F35	09 Nov 2021	37	13.25	87.57	7.1	33.38	7.9	25.1	1.11
F35	09 Nov 2021	38	13.13	87.69	7.1	33.40	7.9	25.1	1.17
F35	09 Nov 2021	39	13.09	87.76	7.0	33.39	7.9	25.1	1.07
F35	09 Nov 2021	40	13.07	87.78	7.1	33.38	7.9	25.1	1.03
F35	09 Nov 2021	41	13.03	87.81	7.0	33.39	7.9	25.1	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F35	09 Nov 2021	42	12.96	87.85	7.0	33.40	7.9	25.2	0.92
F35	09 Nov 2021	43	12.83	87.93	7.0	33.41	7.9	25.2	0.91
F35	09 Nov 2021	44	12.74	87.99	6.9	33.41	7.9	25.2	0.91
F35	09 Nov 2021	45	12.68	88.01	6.8	33.41	7.9	25.2	0.82
F35	09 Nov 2021	46	12.66	88.05	6.8	33.42	7.9	25.2	0.79
F35	09 Nov 2021	47	12.61	88.09	6.8	33.42	7.8	25.2	0.75
F35	09 Nov 2021	48	12.53	88.13	6.7	33.43	7.8	25.3	0.74
F35	09 Nov 2021	49	12.49	88.14	6.6	33.43	7.8	25.3	0.71
F35	09 Nov 2021	50	12.45	88.15	6.6	33.44	7.8	25.3	0.69
F35	09 Nov 2021	51	12.36	88.17	6.6	33.45	7.8	25.3	0.67
F35	09 Nov 2021	52	12.34	88.19	6.5	33.45	7.8	25.3	0.65
F35	09 Nov 2021	53	12.31	88.19	6.4	33.45	7.8	25.3	0.64
F35	09 Nov 2021	54	12.27	88.20	6.4	33.46	7.8	25.3	0.65
F35	09 Nov 2021	55	12.20	88.23	6.3	33.48	7.8	25.4	0.62
F35	09 Nov 2021	56	12.10	88.14	6.2	33.50	7.8	25.4	0.61
F35	09 Nov 2021	57	12.04	88.08	6.1	33.50	7.8	25.4	0.61
F35	09 Nov 2021	58	12.02	88.04	6.0	33.50	7.8	25.4	0.57
F35	09 Nov 2021	59	12.01	87.97	6.0	33.51	7.8	25.4	0.55
F35	09 Nov 2021	60	11.99	87.98	6.0	33.51	7.8	25.4	0.52
F35	09 Nov 2021	61	11.98	87.98	5.9	33.51	7.8	25.4	0.50
F35	09 Nov 2021	62	11.98	87.96	5.9	33.51	7.8	25.4	0.50
F35	09 Nov 2021	63	11.98	88.04	5.9	33.51	7.8	25.4	0.49
F35	09 Nov 2021	64	11.97	88.07	5.9	33.52	7.8	25.4	0.49
F35	09 Nov 2021	65	11.94	88.13	5.9	33.52	7.8	25.5	0.49
F35	09 Nov 2021	66	11.84	88.22	5.9	33.53	7.8	25.5	0.49
F35	09 Nov 2021	67	11.76	88.33	5.9	33.54	7.8	25.5	0.48
F35	09 Nov 2021	68	11.73	88.32	5.8	33.55	7.8	25.5	0.49
F35	09 Nov 2021	69	11.71	88.26	5.7	33.56	7.8	25.5	0.47
F35	09 Nov 2021	70	11.68	88.11	5.6	33.59	7.8	25.6	0.46
F35	09 Nov 2021	71	11.63	88.05	5.4	33.62	7.7	25.6	0.45
F35	09 Nov 2021	72	11.60	88.06	5.2	33.62	7.7	25.6	0.44
F35	09 Nov 2021	73	11.60	88.16	5.1	33.63	7.7	25.6	0.41
F35	09 Nov 2021	74	11.60	88.25	5.1	33.64	7.7	25.6	0.40
F35	09 Nov 2021	75	11.59	88.25	5.0	33.65	7.7	25.6	0.39
F35	09 Nov 2021	76	11.57	88.17	5.0	33.65	7.7	25.6	0.38
F35	09 Nov 2021	77	11.56	88.03	5.0	33.65	7.7	25.6	0.38
F35	09 Nov 2021	78	11.55	87.85	5.0	33.65	7.7	25.6	0.37
F35	09 Nov 2021	79	11.54	87.78	4.9	33.65	7.7	25.6	0.37
F35	09 Nov 2021	80	11.53	87.59	4.9	33.66	7.7	25.6	0.36
F35	09 Nov 2021	81	11.51	87.54	4.8	33.66	7.7	25.6	0.36
F35	09 Nov 2021	82	11.48	87.54	4.8	33.66	7.7	25.6	0.36
F35	09 Nov 2021	83	11.45	87.45	4.7	33.67	7.7	25.7	0.35
F35	09 Nov 2021	84	11.45	87.35	4.6	33.67	7.7	25.7	0.33
F35	09 Nov 2021	85	11.44	87.25	4.5	33.68	7.7	25.7	0.32
F35	09 Nov 2021	86	11.42	87.27	4.4	33.70	7.7	25.7	0.32
F35	09 Nov 2021	87	11.40	87.25	4.4	33.71	7.7	25.7	0.31
F35	09 Nov 2021	88	11.38	87.30	4.3	33.72	7.7	25.7	0.30
F35	09 Nov 2021	89	11.37	87.35	4.3	33.73	7.7	25.7	0.31
F35	09 Nov 2021	90	11.35	87.39	4.3	33.73	7.6	25.7	0.30
F35	09 Nov 2021	91	11.34	87.41	4.3	33.74	7.6	25.7	0.29
F35	09 Nov 2021	92	11.31	87.52	4.3	33.75	7.6	25.7	0.30
F35	09 Nov 2021	93	11.28	87.63	4.3	33.77	7.6	25.8	0.29
F35	09 Nov 2021	94	11.25	87.61	4.2	33.79	7.6	25.8	0.29
F35	09 Nov 2021	95	11.21	87.54	4.1	33.80	7.6	25.8	0.29
F35	09 Nov 2021	96	11.19	87.49	4.0	33.81	7.6	25.8	0.29
F35	09 Nov 2021	97	11.16	87.46	4.0	33.83	7.6	25.8	0.29
F35	09 Nov 2021	98	11.12	87.39	3.9	33.84	7.6	25.9	0.29
F35	09 Nov 2021	99	11.09	87.53	3.9	33.85	7.6	25.9	0.27
F35	09 Nov 2021	100	11.07	87.53	3.8	33.86	7.6	25.9	0.28
F35	09 Nov 2021	101	11.06	87.27	3.8	33.86	7.6	25.9	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F36	09 Nov 2021	1	17.79	85.22	7.9	33.49	8.0	24.2	0.51
F36	09 Nov 2021	2	17.79	85.88	7.9	33.50	8.0	24.2	0.51
F36	09 Nov 2021	3	17.78	85.93	7.9	33.50	8.0	24.2	0.52
F36	09 Nov 2021	4	17.77	86.05	7.9	33.50	8.0	24.2	0.51
F36	09 Nov 2021	5	17.77	86.02	7.9	33.50	8.0	24.2	0.53
F36	09 Nov 2021	6	17.77	86.05	7.8	33.50	8.0	24.2	0.54
F36	09 Nov 2021	7	17.76	86.08	7.9	33.50	8.0	24.2	0.58
F36	09 Nov 2021	8	17.76	86.09	7.9	33.50	8.0	24.2	0.59
F36	09 Nov 2021	9	17.75	86.13	7.8	33.50	8.0	24.2	0.62
F36	09 Nov 2021	10	17.73	86.09	7.9	33.50	8.0	24.2	0.63
F36	09 Nov 2021	11	17.65	86.13	7.9	33.52	8.0	24.2	0.67
F36	09 Nov 2021	12	17.31	86.12	8.0	33.51	8.0	24.3	0.73
F36	09 Nov 2021	13	17.23	86.23	8.0	33.50	8.0	24.3	0.72
F36	09 Nov 2021	14	17.15	86.24	8.0	33.53	8.0	24.3	0.78
F36	09 Nov 2021	15	16.91	86.11	8.0	33.54	8.0	24.4	0.83
F36	09 Nov 2021	16	16.73	85.96	7.9	33.52	8.0	24.4	0.94
F36	09 Nov 2021	17	16.59	85.98	7.8	33.51	8.0	24.5	1.07
F36	09 Nov 2021	18	16.38	85.86	7.8	33.52	8.0	24.5	1.22
F36	09 Nov 2021	19	16.17	85.94	7.7	33.50	8.0	24.6	1.39
F36	09 Nov 2021	20	16.01	85.79	7.6	33.49	8.0	24.6	1.48
F36	09 Nov 2021	21	15.25	86.04	7.5	33.53	8.0	24.8	1.54
F36	09 Nov 2021	22	14.80	86.43	7.4	33.45	7.9	24.8	1.53
F36	09 Nov 2021	23	14.69	86.75	7.3	33.43	7.9	24.8	1.48
F36	09 Nov 2021	24	14.65	86.91	7.3	33.42	7.9	24.8	1.36
F36	09 Nov 2021	25	14.55	87.10	7.3	33.41	7.9	24.8	1.29
F36	09 Nov 2021	26	14.37	87.22	7.2	33.42	7.9	24.9	1.29
F36	09 Nov 2021	27	14.12	87.31	7.2	33.42	7.9	24.9	1.23
F36	09 Nov 2021	28	13.60	87.45	7.2	33.43	7.9	25.1	1.20
F36	09 Nov 2021	29	13.25	87.79	7.1	33.40	7.9	25.1	1.08
F36	09 Nov 2021	30	13.17	87.90	7.1	33.38	7.9	25.1	1.00
F36	09 Nov 2021	31	13.08	87.98	7.1	33.38	7.9	25.1	0.96
F36	09 Nov 2021	32	13.04	88.07	7.0	33.38	7.9	25.1	0.93
F36	09 Nov 2021	33	13.03	88.06	7.0	33.38	7.9	25.1	0.89
F36	09 Nov 2021	34	13.02	88.08	7.0	33.38	7.9	25.1	0.85
F36	09 Nov 2021	35	12.96	88.12	7.0	33.39	7.9	25.2	0.85
F36	09 Nov 2021	36	12.93	88.16	7.0	33.39	7.9	25.2	0.84
F36	09 Nov 2021	37	12.82	88.17	6.9	33.41	7.9	25.2	0.80
F36	09 Nov 2021	38	12.72	88.26	6.8	33.42	7.9	25.2	0.77
F36	09 Nov 2021	39	12.67	88.26	6.8	33.42	7.8	25.2	0.74
F36	09 Nov 2021	40	12.61	88.34	6.7	33.43	7.8	25.2	0.71
F36	09 Nov 2021	41	12.55	88.35	6.7	33.44	7.8	25.3	0.67
F36	09 Nov 2021	42	12.53	88.36	6.6	33.44	7.8	25.3	0.65
F36	09 Nov 2021	43	12.47	88.41	6.6	33.45	7.8	25.3	0.62
F36	09 Nov 2021	44	12.40	88.42	6.6	33.45	7.8	25.3	0.60
F36	09 Nov 2021	45	12.36	88.44	6.5	33.46	7.8	25.3	0.59
F36	09 Nov 2021	46	12.31	88.46	6.4	33.47	7.8	25.3	0.57
F36	09 Nov 2021	47	12.25	88.50	6.3	33.48	7.8	25.4	0.56
F36	09 Nov 2021	48	12.17	88.49	6.2	33.49	7.8	25.4	0.55
F36	09 Nov 2021	49	12.12	88.49	6.2	33.49	7.8	25.4	0.54
F36	09 Nov 2021	50	12.03	88.50	6.1	33.50	7.8	25.4	0.55
F36	09 Nov 2021	51	12.01	88.53	6.1	33.50	7.8	25.4	0.54
F36	09 Nov 2021	52	11.99	88.54	6.1	33.50	7.8	25.4	0.51
F36	09 Nov 2021	53	11.98	88.54	6.1	33.50	7.8	25.4	0.51
F36	09 Nov 2021	54	11.96	88.54	6.0	33.51	7.8	25.4	0.50
F36	09 Nov 2021	55	11.94	88.55	6.0	33.51	7.8	25.4	0.50
F36	09 Nov 2021	56	11.92	88.54	6.0	33.52	7.8	25.5	0.49
F36	09 Nov 2021	57	11.89	88.50	5.9	33.52	7.8	25.5	0.49
F36	09 Nov 2021	58	11.87	88.44	5.9	33.52	7.8	25.5	0.48
F36	09 Nov 2021	59	11.86	88.36	5.8	33.53	7.8	25.5	0.46
F36	09 Nov 2021	60	11.85	88.33	5.8	33.53	7.8	25.5	0.46
F36	09 Nov 2021	61	11.84	88.27	5.8	33.53	7.8	25.5	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F36	09 Nov 2021	62	11.77	87.99	5.6	33.55	7.8	25.5	0.45
F36	09 Nov 2021	63	11.68	87.90	5.5	33.58	7.8	25.5	0.43
F36	09 Nov 2021	64	11.58	88.46	5.6	33.58	7.8	25.6	0.42
F36	09 Nov 2021	65	11.57	88.57	5.6	33.58	7.8	25.6	0.41
F36	09 Nov 2021	66	11.56	88.11	5.5	33.59	7.7	25.6	0.40
F36	09 Nov 2021	67	11.54	87.49	5.2	33.61	7.7	25.6	0.40
F36	09 Nov 2021	68	11.56	87.24	4.9	33.62	7.7	25.6	0.37
F36	09 Nov 2021	69	11.59	87.27	4.8	33.64	7.7	25.6	0.37
F36	09 Nov 2021	70	11.59	87.48	4.8	33.64	7.7	25.6	0.34
F36	09 Nov 2021	71	11.58	87.52	4.8	33.65	7.7	25.6	0.36
F36	09 Nov 2021	72	11.57	87.65	4.8	33.65	7.7	25.6	0.34
F36	09 Nov 2021	73	11.54	87.66	4.7	33.66	7.7	25.6	0.33
F36	09 Nov 2021	74	11.52	87.64	4.6	33.65	7.7	25.6	0.32
F36	09 Nov 2021	75	11.51	87.65	4.6	33.65	7.7	25.6	0.31
F36	09 Nov 2021	76	11.49	87.67	4.5	33.66	7.7	25.6	0.31
F36	09 Nov 2021	77	11.48	87.71	4.5	33.66	7.7	25.6	0.30
F36	09 Nov 2021	78	11.48	87.69	4.5	33.66	7.7	25.6	0.30
F36	09 Nov 2021	79	11.47	87.70	4.5	33.67	7.7	25.7	0.29
F36	09 Nov 2021	80	11.44	87.66	4.5	33.68	7.7	25.7	0.29
F36	09 Nov 2021	81	11.43	87.66	4.5	33.68	7.7	25.7	0.30
F36	09 Nov 2021	82	11.41	87.57	4.5	33.69	7.7	25.7	0.29
F36	09 Nov 2021	83	11.41	87.66	4.4	33.69	7.7	25.7	0.29
F36	09 Nov 2021	84	11.40	87.69	4.4	33.70	7.7	25.7	0.29
F36	09 Nov 2021	85	11.39	87.76	4.4	33.70	7.6	25.7	0.29
F36	09 Nov 2021	86	11.37	87.78	4.4	33.72	7.6	25.7	0.29
F36	09 Nov 2021	87	11.33	87.70	4.3	33.74	7.6	25.7	0.29
F36	09 Nov 2021	88	11.30	87.44	4.2	33.76	7.6	25.8	0.29
F36	09 Nov 2021	89	11.29	87.33	4.2	33.76	7.6	25.8	0.29
F36	09 Nov 2021	90	11.28	87.26	4.2	33.77	7.6	25.8	0.28
F36	09 Nov 2021	91	11.27	87.21	4.1	33.77	7.6	25.8	0.28
F36	09 Nov 2021	92	11.26	87.01	4.1	33.78	7.6	25.8	0.28
F36	09 Nov 2021	93	11.23	87.14	4.1	33.79	7.6	25.8	0.28
F36	09 Nov 2021	94	11.22	87.24	4.1	33.80	7.6	25.8	0.28
F36	09 Nov 2021	95	11.20	87.31	4.1	33.80	7.6	25.8	0.28
F36	09 Nov 2021	96	11.18	87.62	4.0	33.81	7.6	25.8	0.27
F36	09 Nov 2021	97	11.17	87.78	4.0	33.82	7.6	25.8	0.27
F36	09 Nov 2021	98	11.17	87.77	4.0	33.82	7.6	25.8	0.27
F36	09 Nov 2021	99	11.16	87.82	4.0	33.83	7.6	25.8	0.27
F36	09 Nov 2021	100	11.14	87.72	3.9	33.83	7.6	25.8	0.27
F36	09 Nov 2021	101	11.13	87.62	3.9	33.83	7.6	25.8	0.27

NA = not available



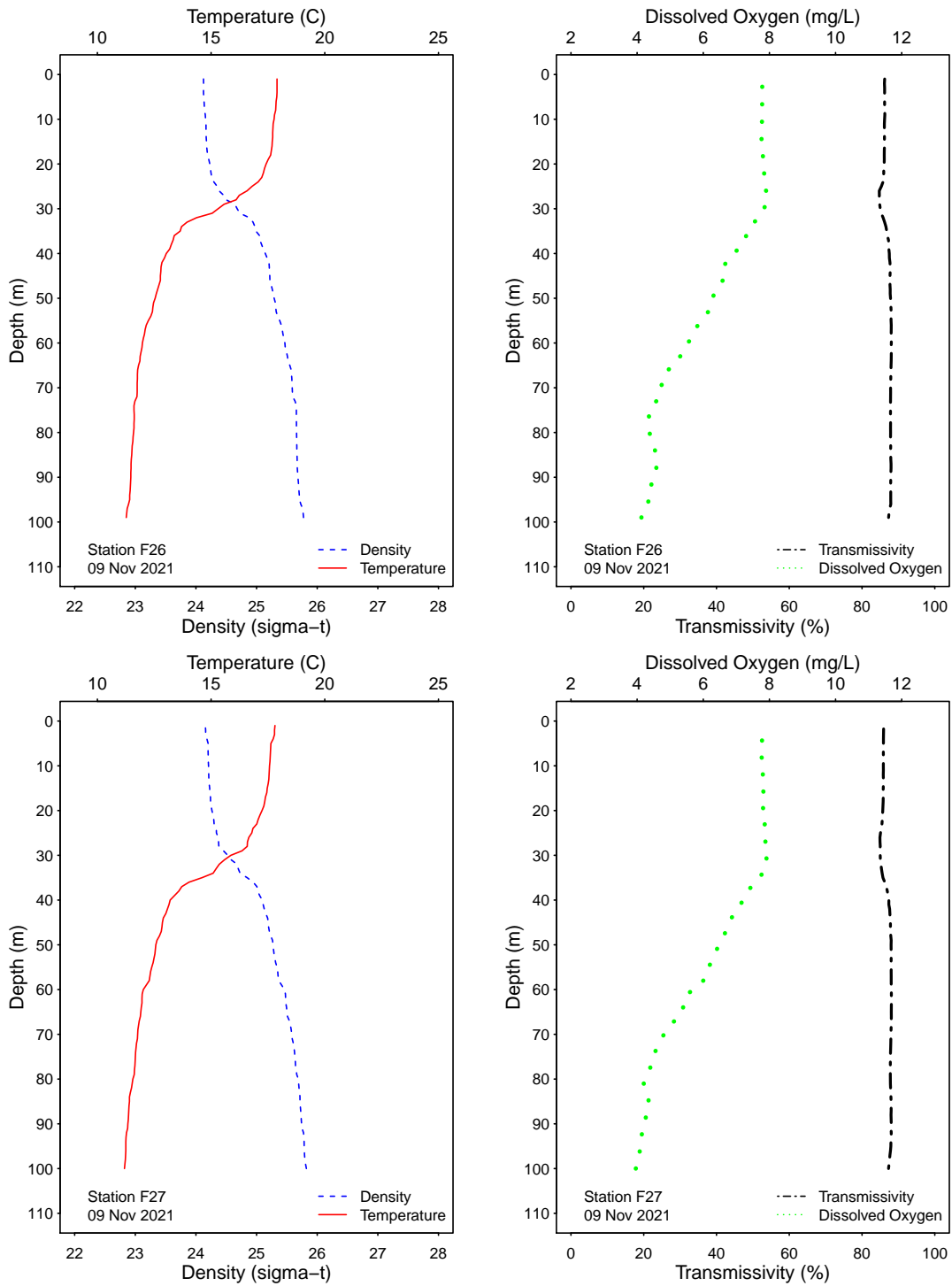


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

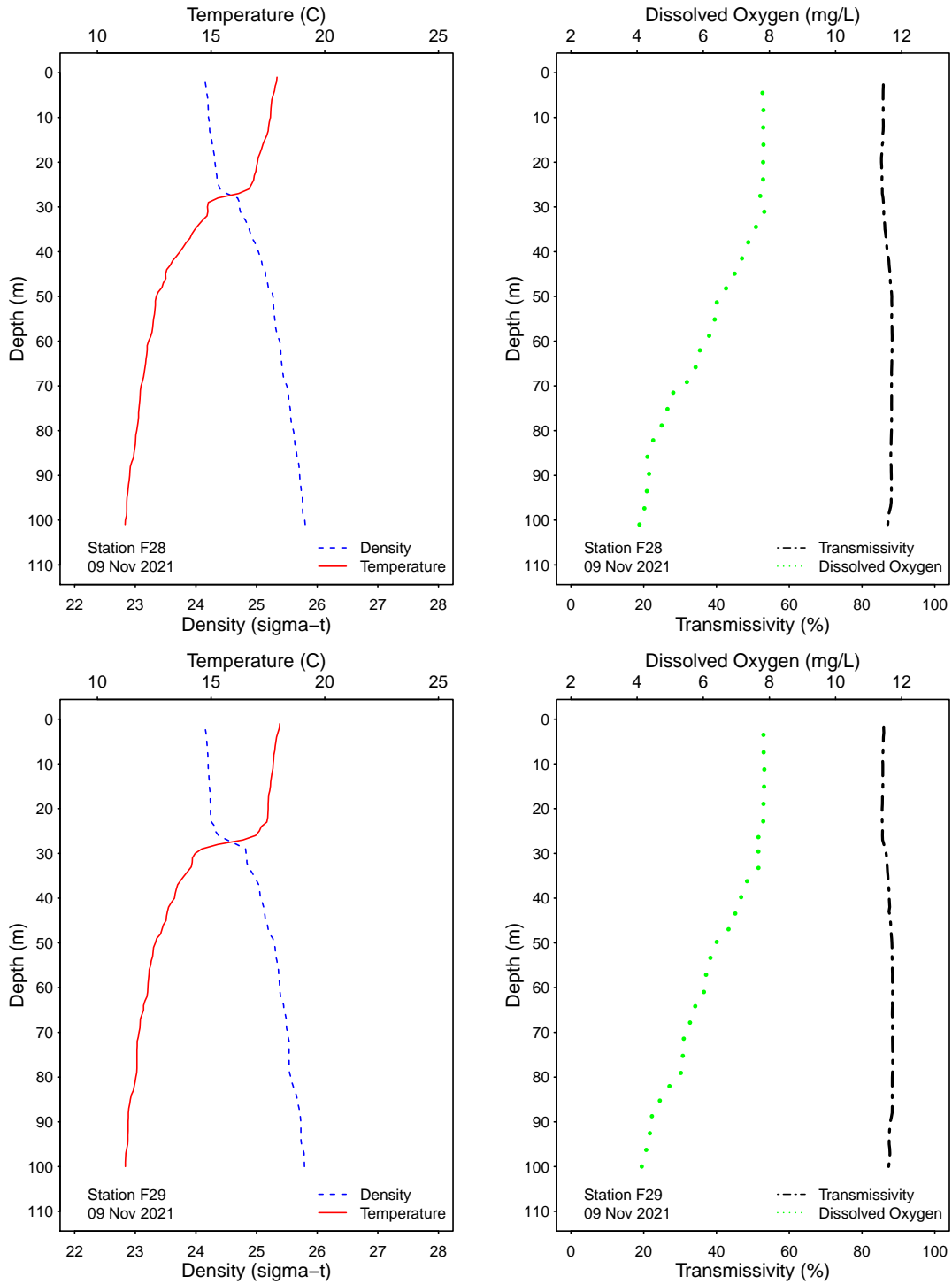


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

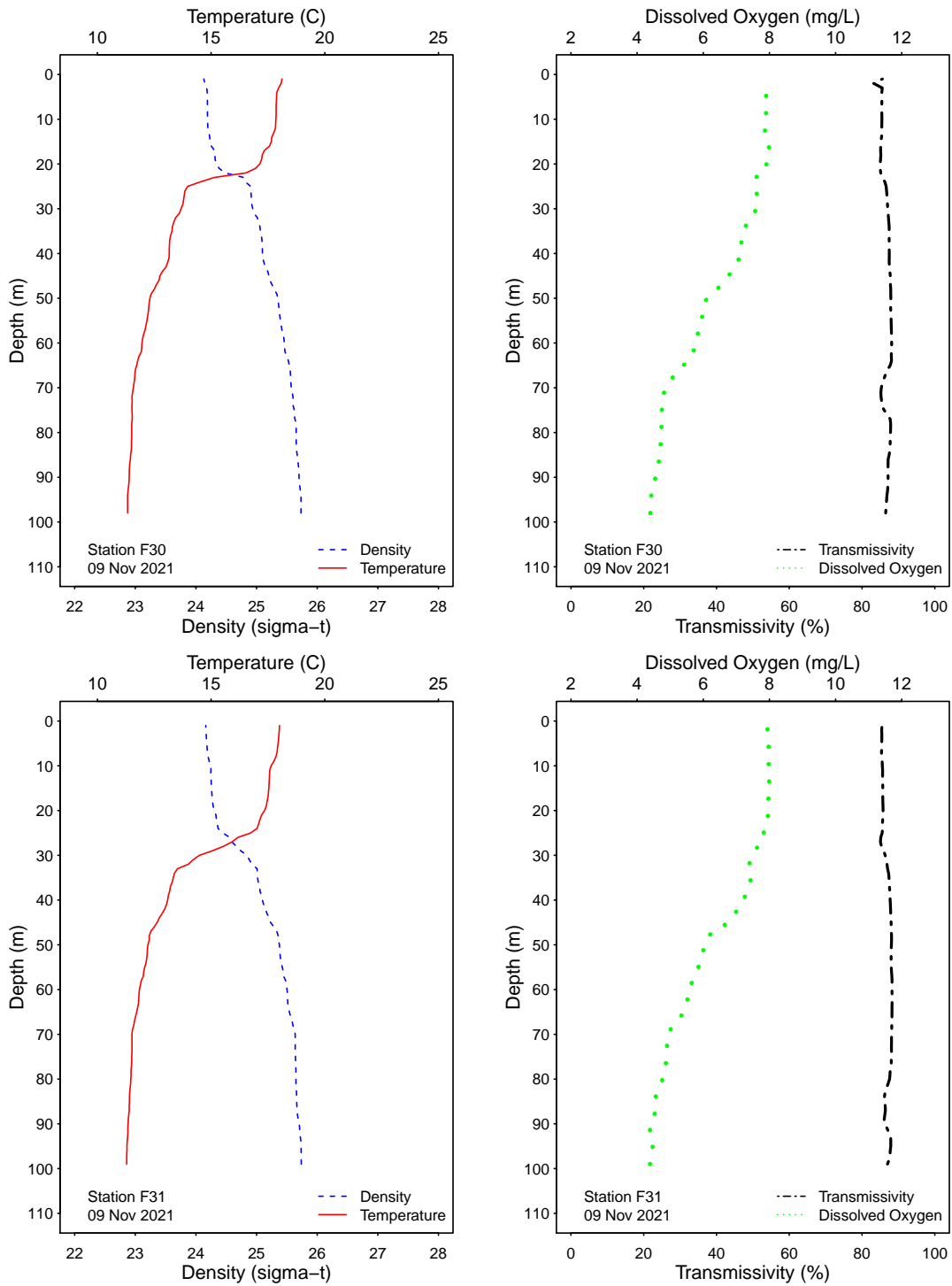


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

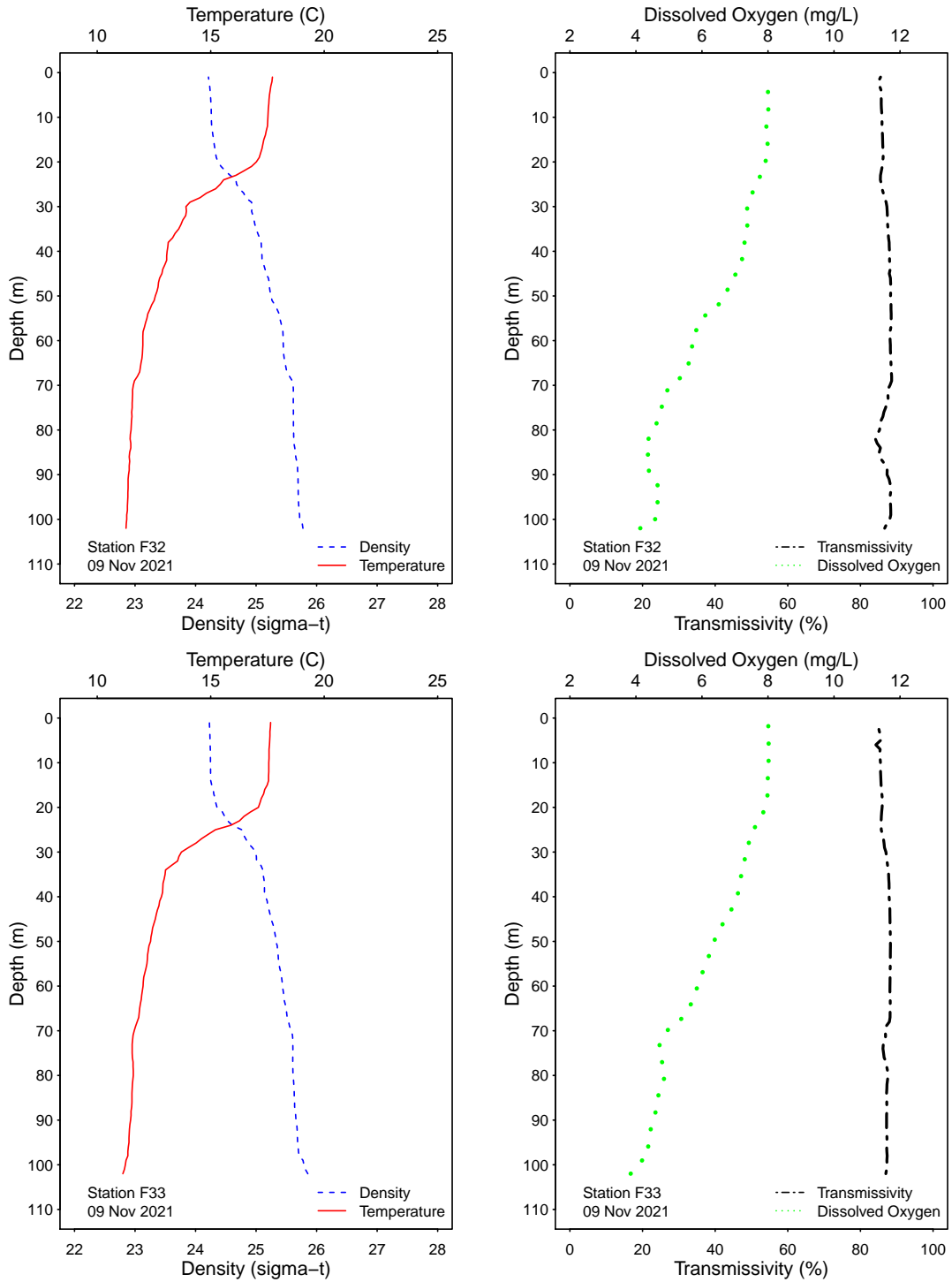


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

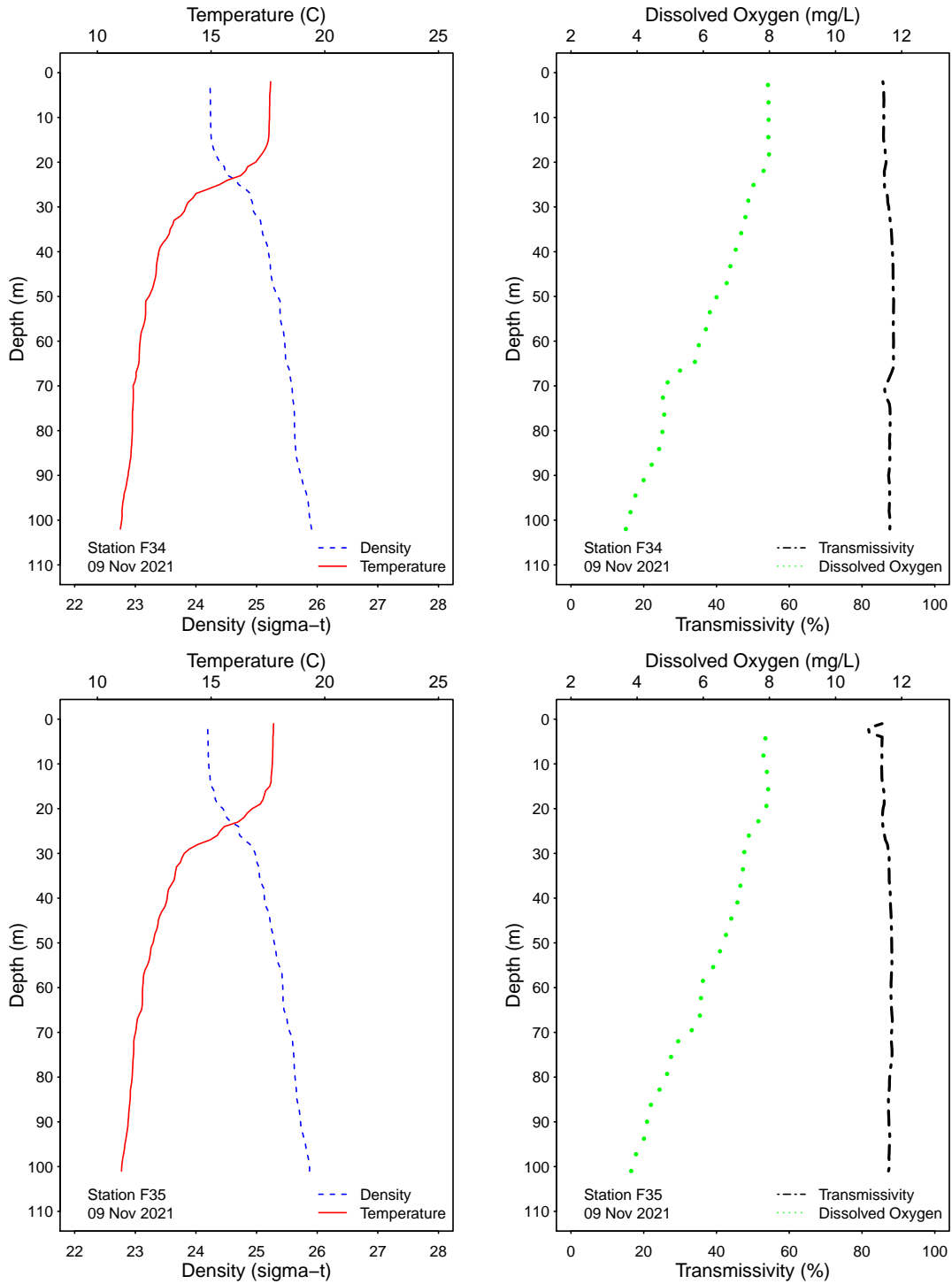


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

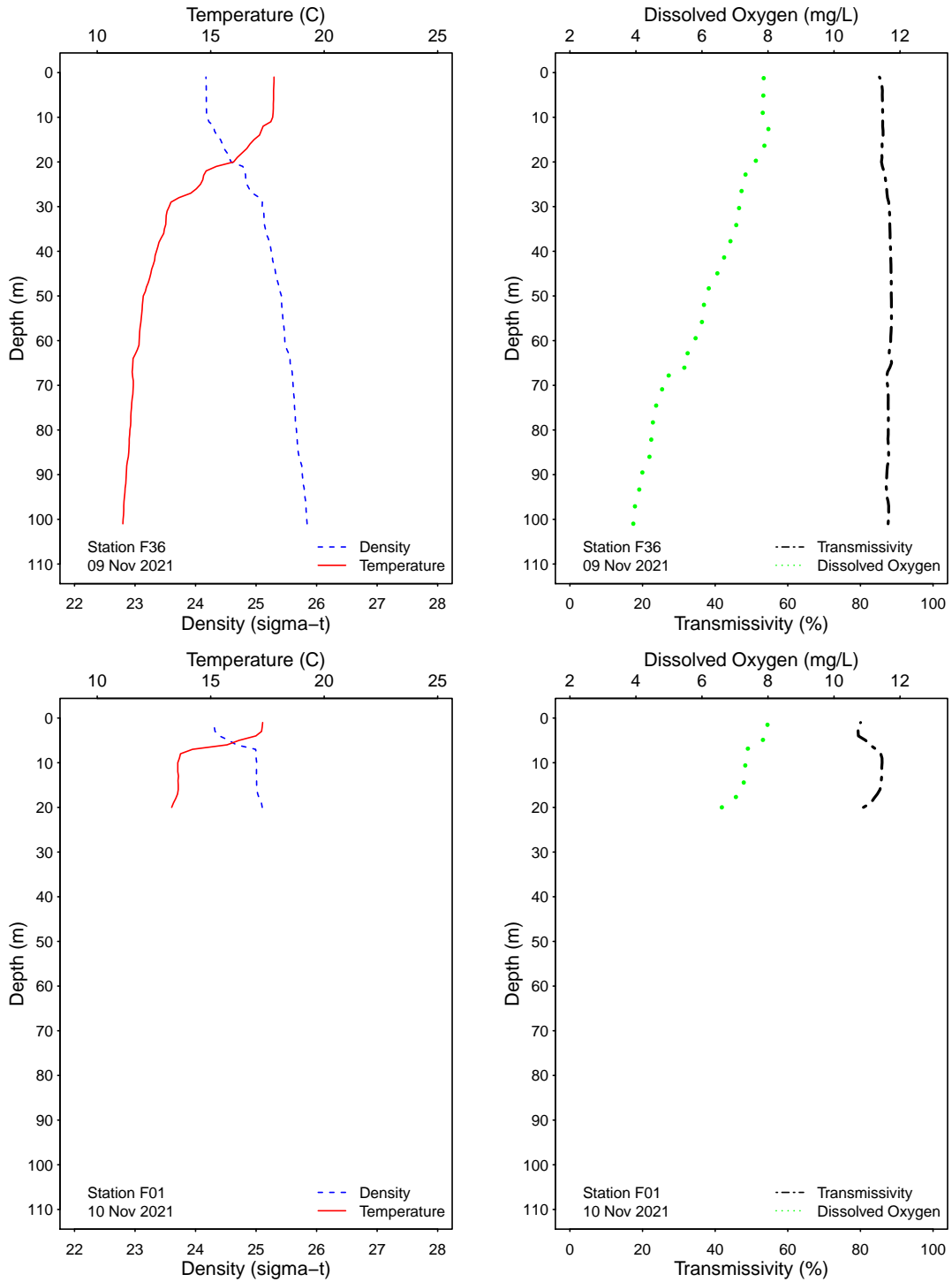


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

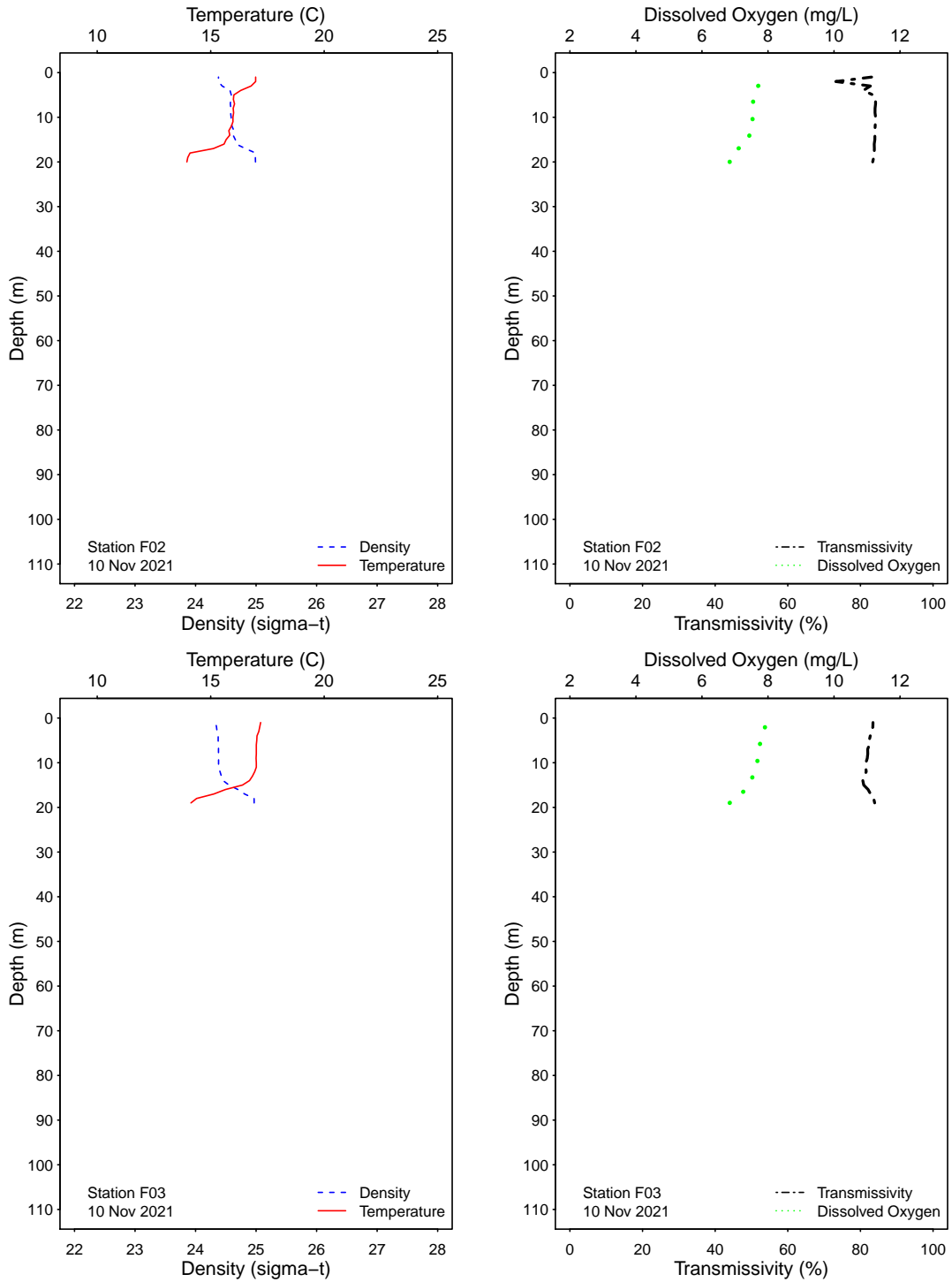


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

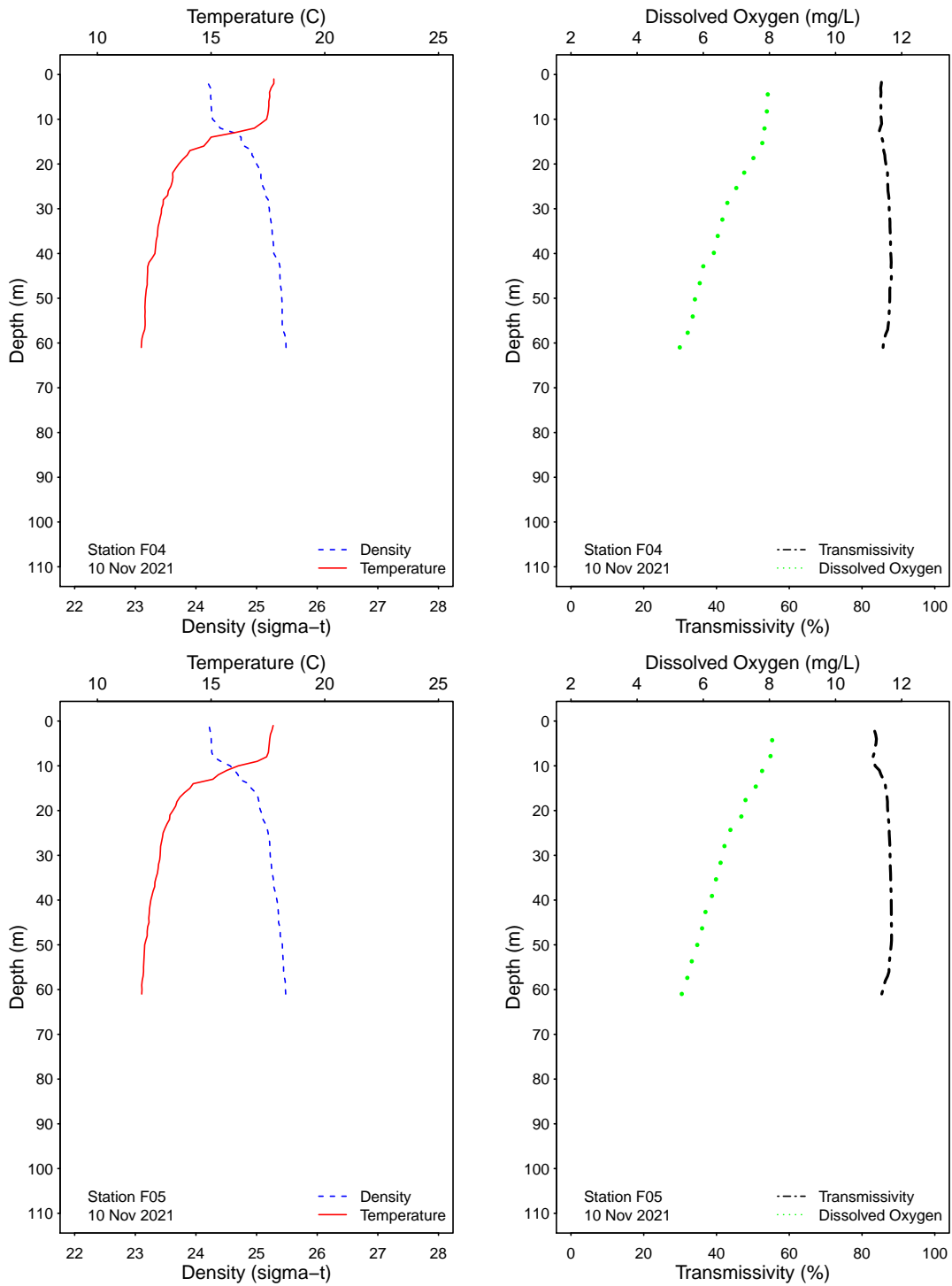


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



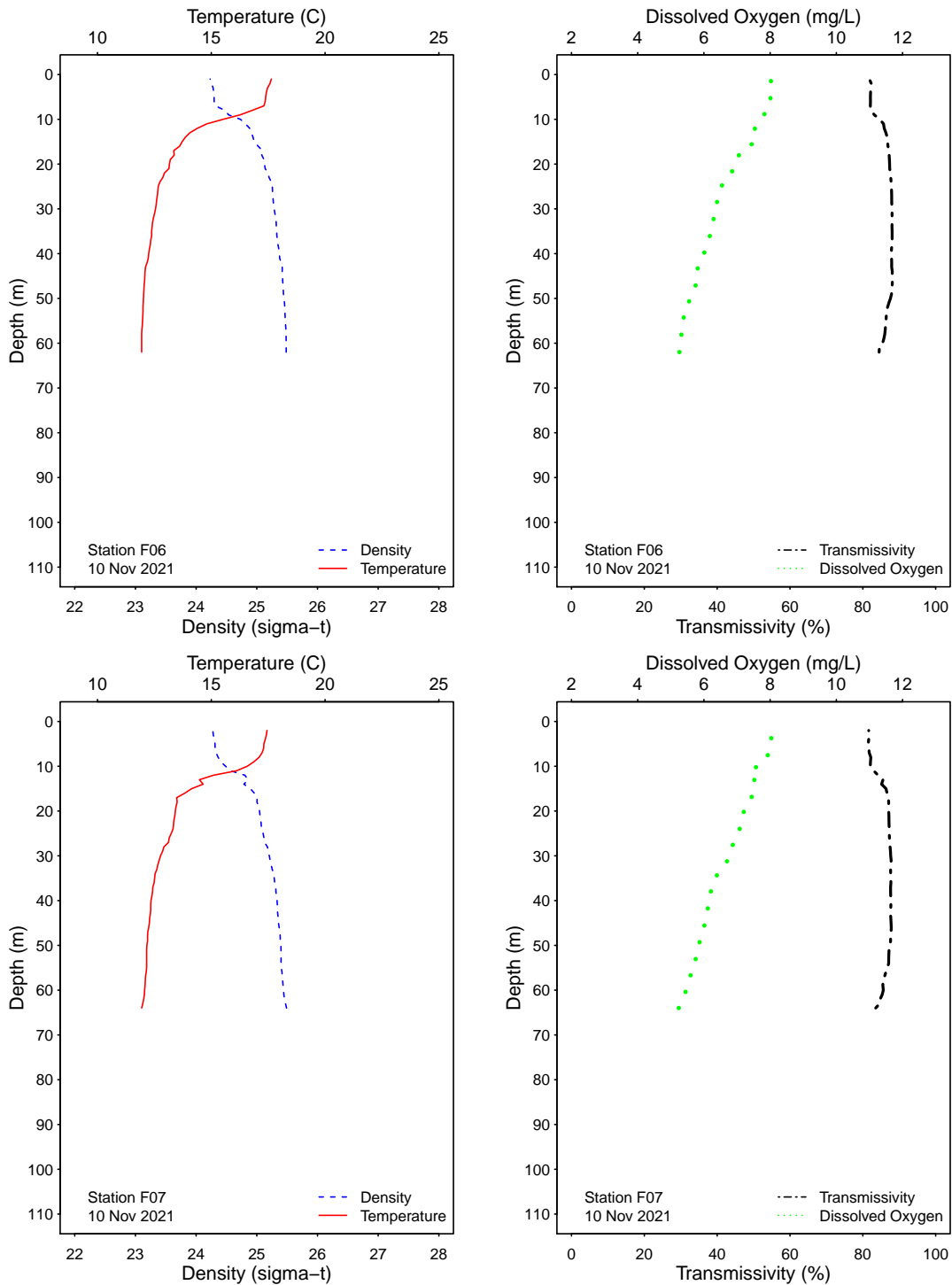


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

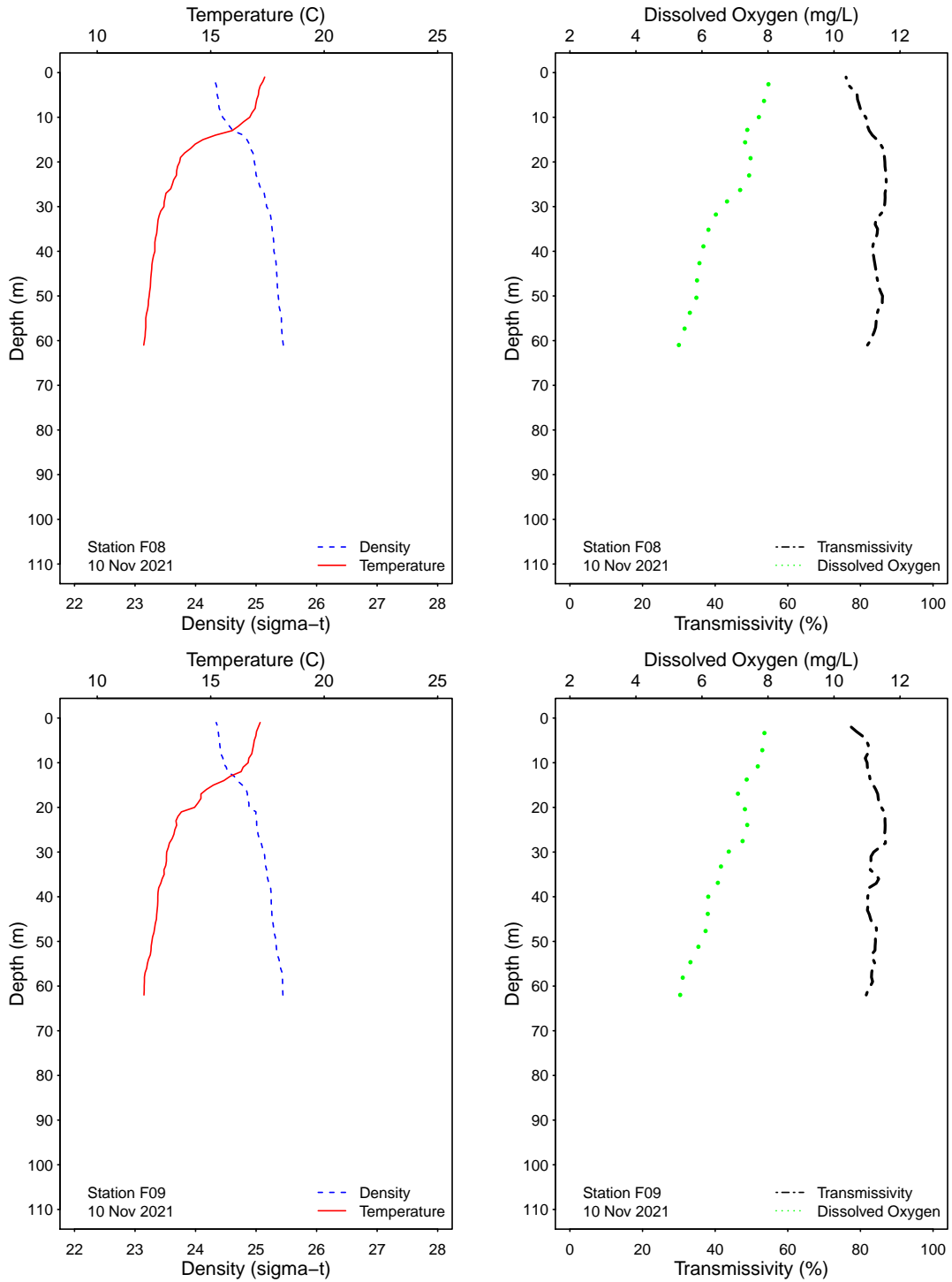


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

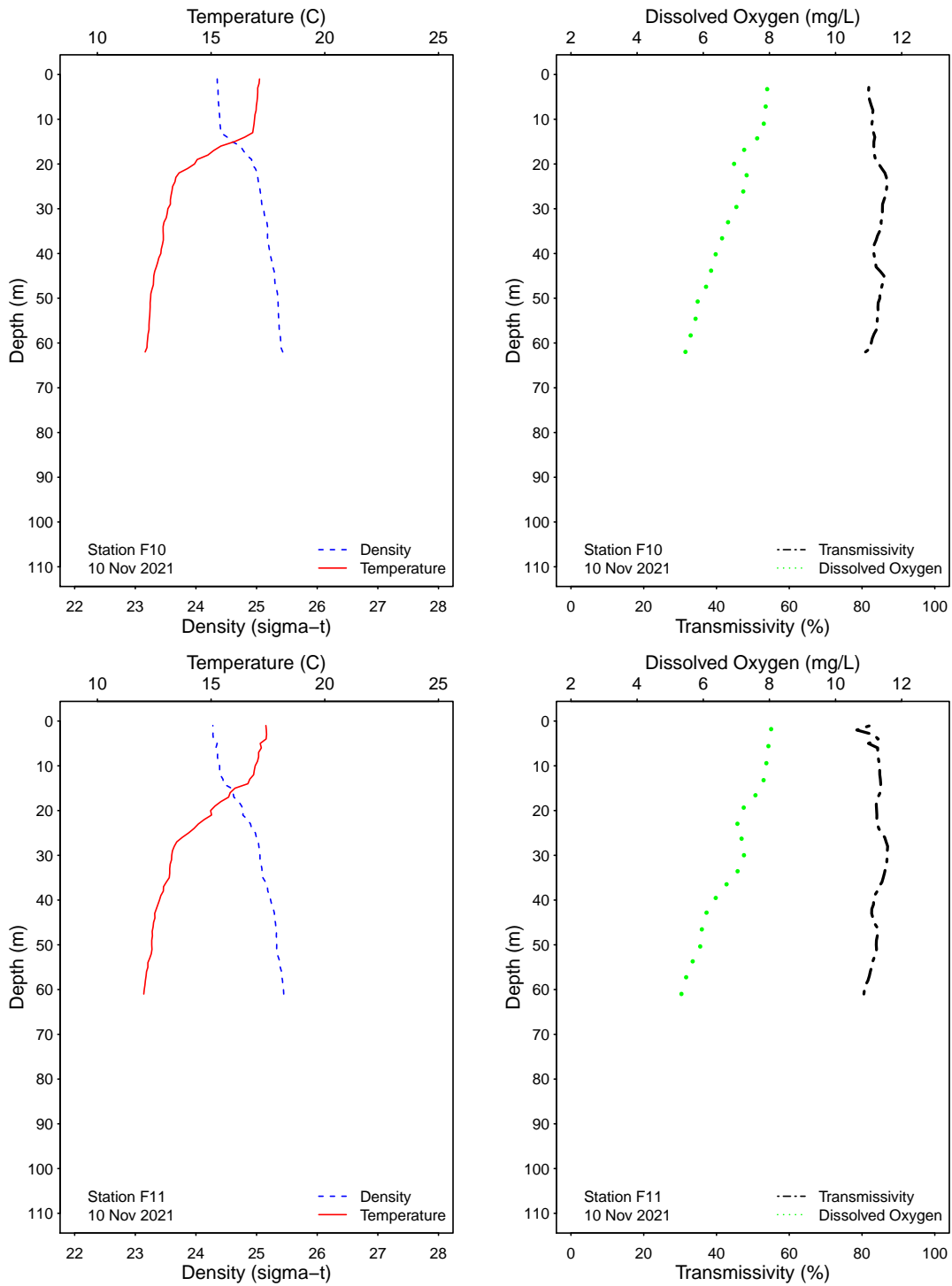


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

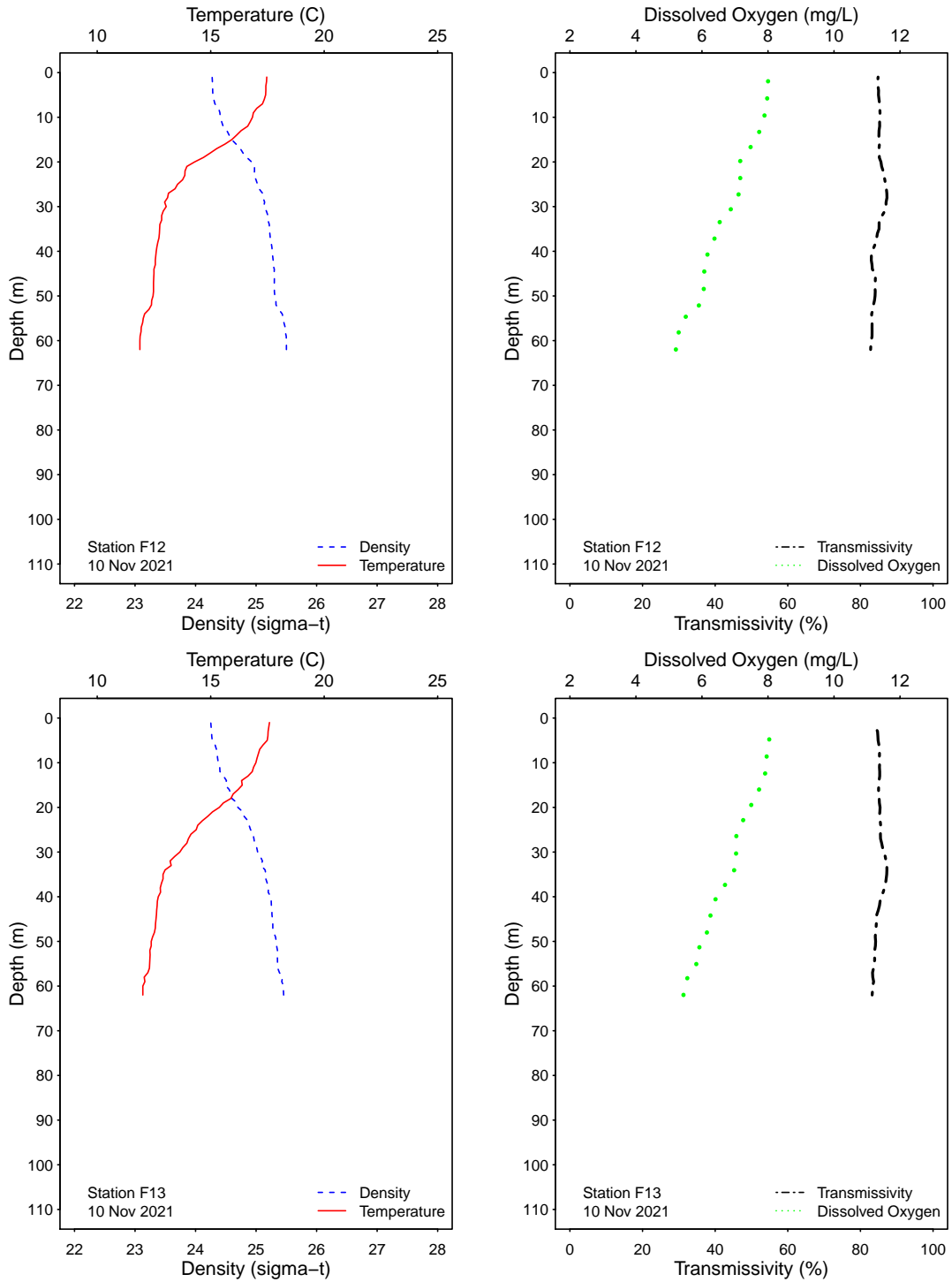


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

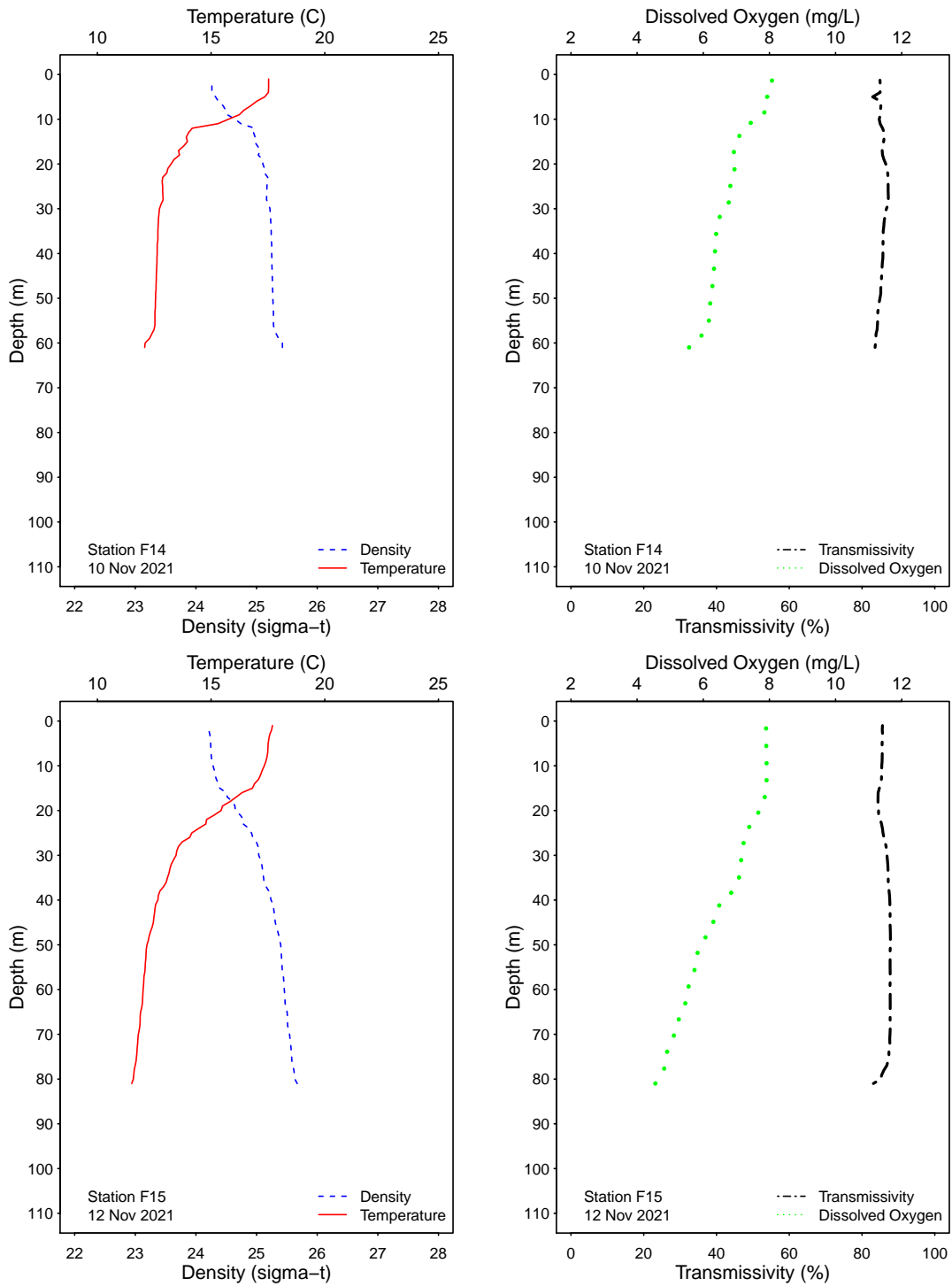


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

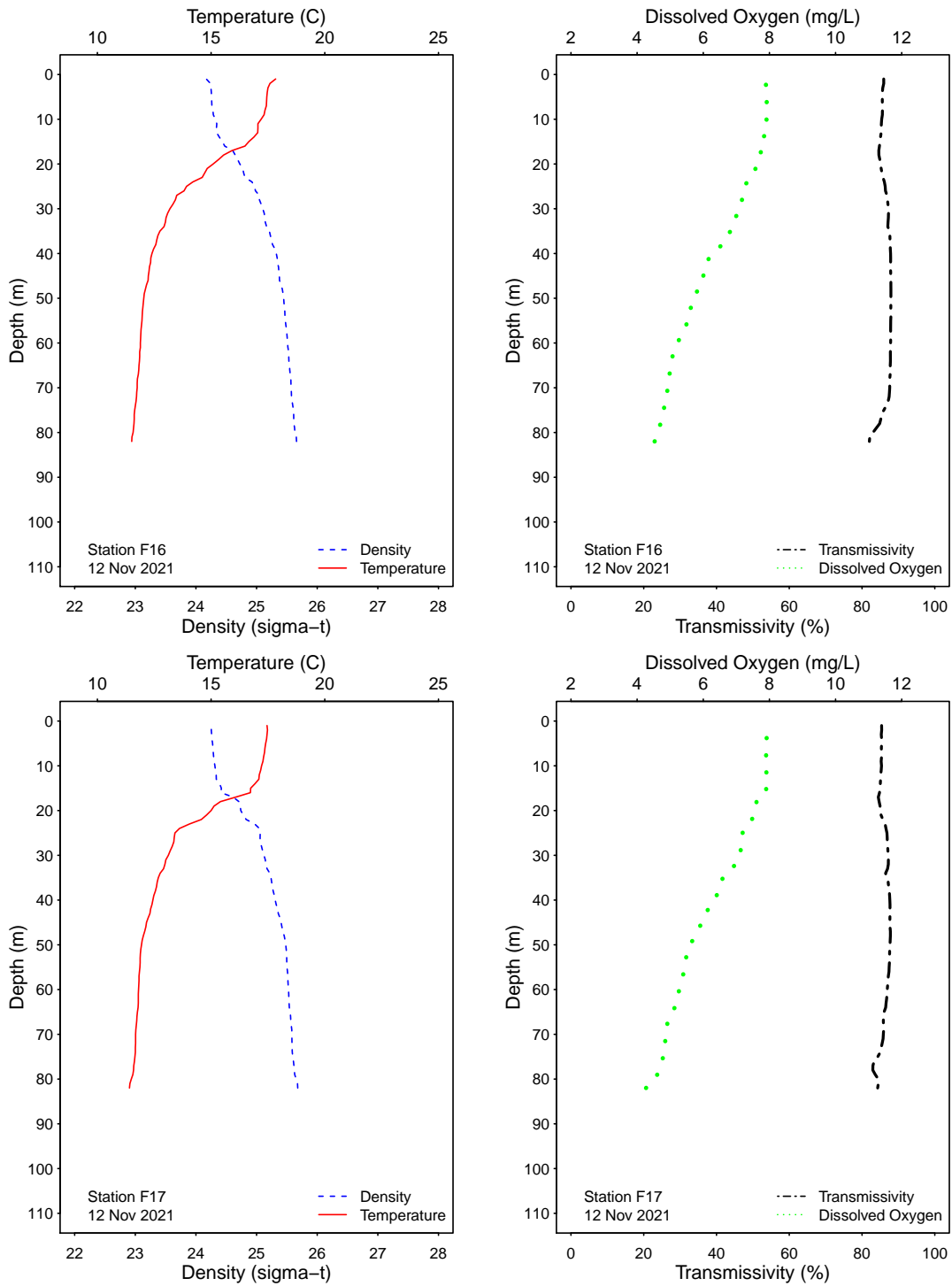


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

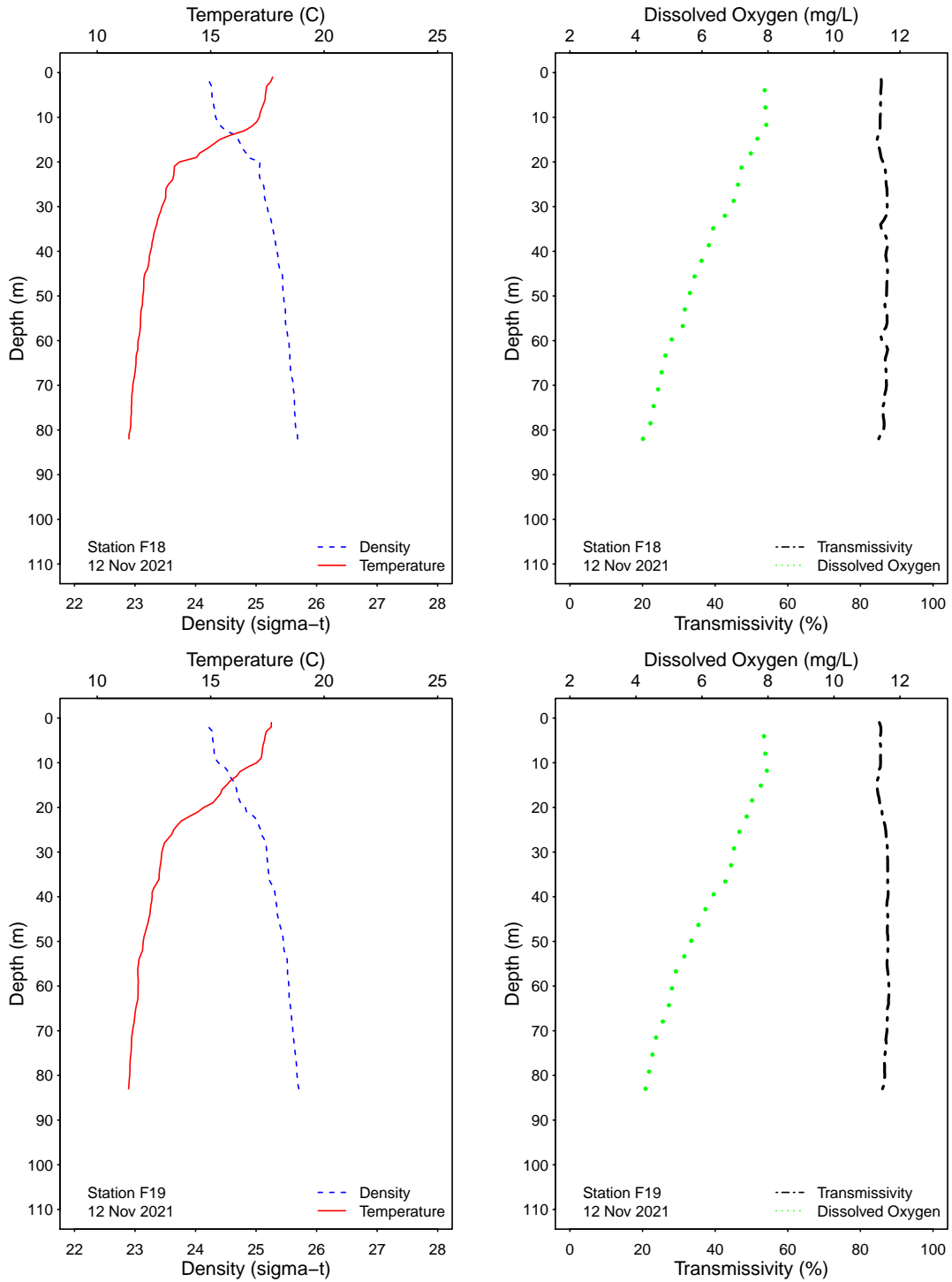


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

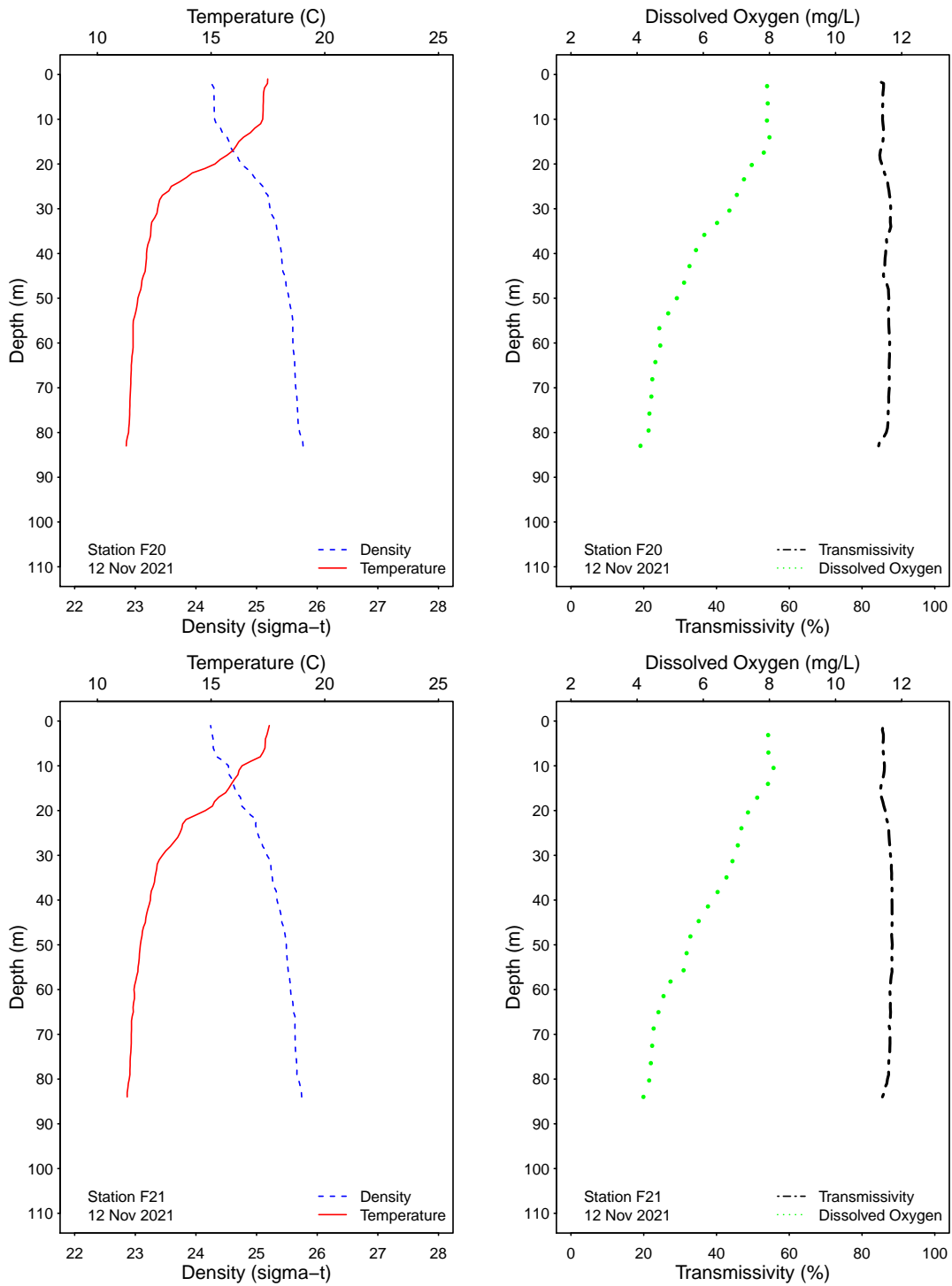


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



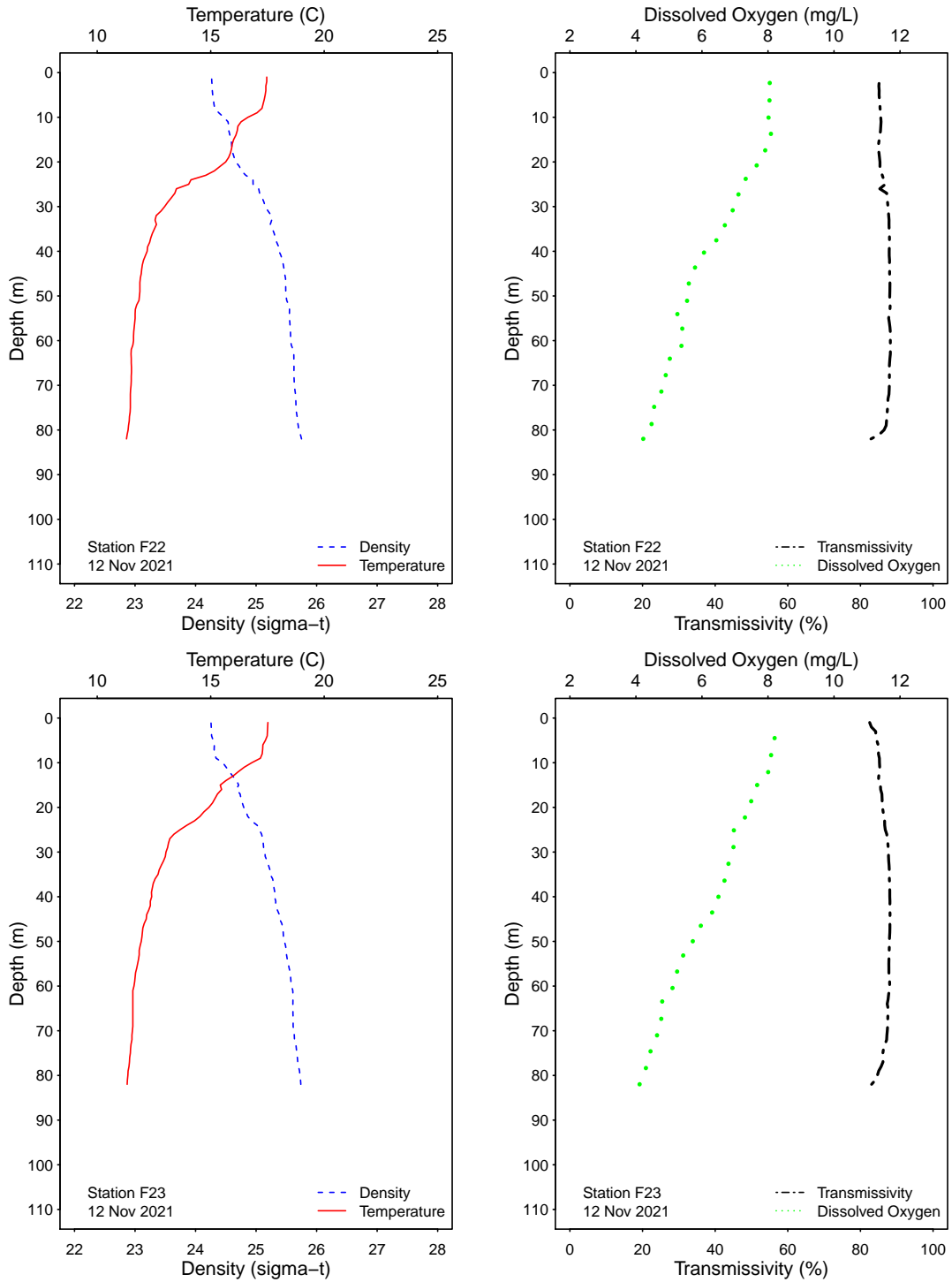


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

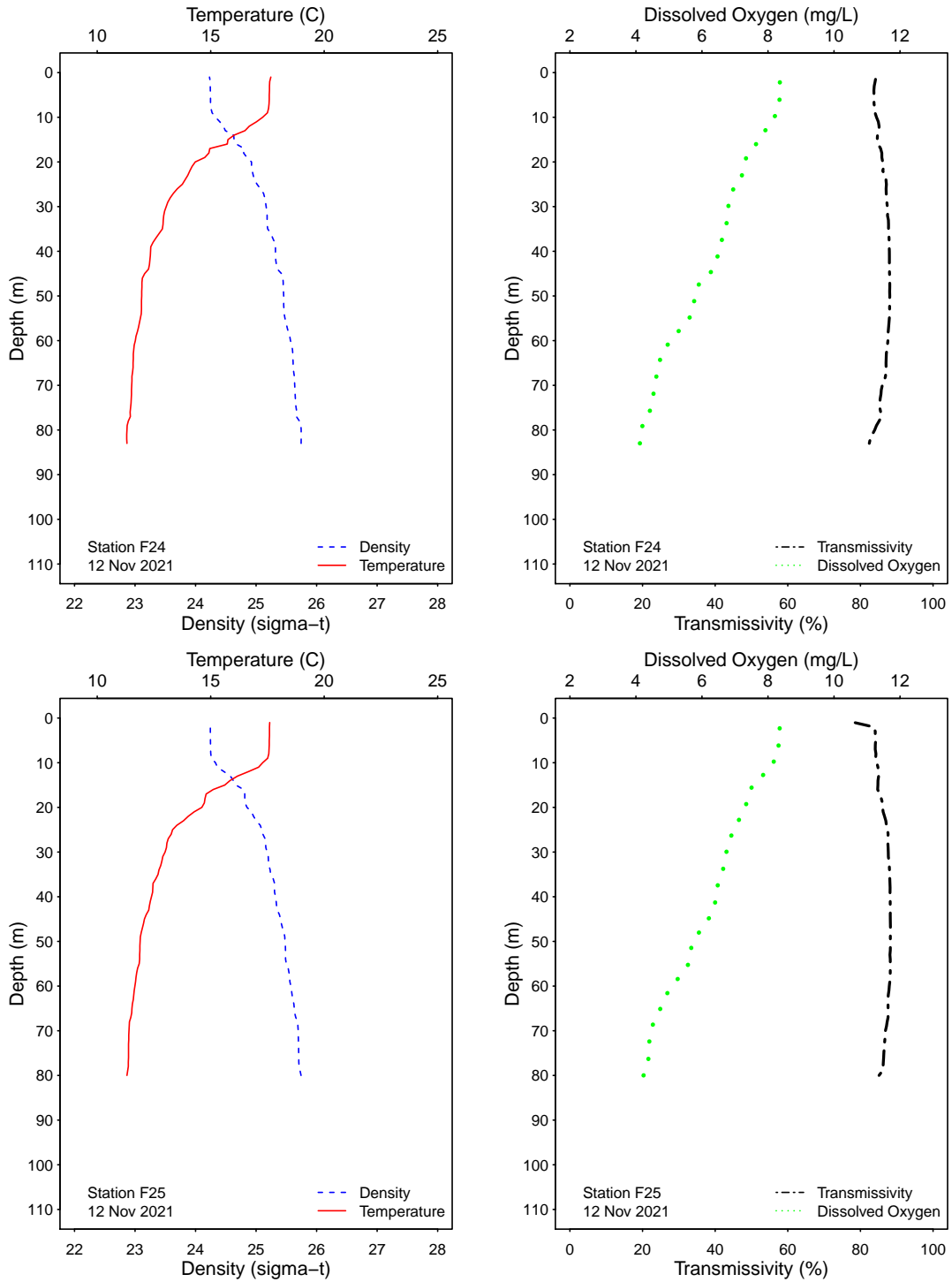


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

**APPENDIX A**

**Quality Assurance**



**Table A.1**

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enterococcus
A7	02 Nov 2021	18	BS	LAB DUPLICATE	<2	<2	<2
A7	08 Nov 2021	18	KA	LAB DUPLICATE	<2	<2	<2
A7	16 Nov 2021	18	HF	LAB DUPLICATE	<2	<2	<2
A7	22 Nov 2021	18	KA	LAB DUPLICATE	2e	<2	<2
A7	30 Nov 2021	18	HF	LAB DUPLICATE	<2	<2	2e
C7	02 Nov 2021	18	BS	LAB DUPLICATE	6e	<2	<2
C7	08 Nov 2021	18	KA	LAB DUPLICATE	<2	<2	2e
C7	16 Nov 2021	18	KA	LAB DUPLICATE	2e	<2	<2
C7	22 Nov 2021	18	KA	LAB DUPLICATE	<2	<2	<2
C7	30 Nov 2021	18	HF	LAB DUPLICATE	<2	<2	<2
C8	02 Nov 2021	12	BS	LAB DUPLICATE	<2	<2	<2
C8	08 Nov 2021	12	KA	LAB DUPLICATE	<2	<2	<2
C8	16 Nov 2021	12	KA	LAB DUPLICATE	<2	<2	<2
C8	22 Nov 2021	12	KA	LAB DUPLICATE	<2	<2	<2
C8	30 Nov 2021	12	HF	LAB DUPLICATE	<2	<2	<2
D12	03 Nov 2021		JF	FIELD DUPLICATE	<20	4e	12e
D12	03 Nov 2021		JF	LAB DUPLICATE	<20	14e	16e
D12	08 Nov 2021		CRE	FIELD DUPLICATE	6e	4e	10e
D12	08 Nov 2021		CRE	LAB DUPLICATE	6e	2e	2e
D12	17 Nov 2021		HF	FIELD DUPLICATE	4e	<2	<2
D12	17 Nov 2021		HF	LAB DUPLICATE	<2	2e	2e
D12	22 Nov 2021		BS	FIELD DUPLICATE	6e	<2	2e
D12	22 Nov 2021		BS	LAB DUPLICATE	2e	4e	2e
F01	10 Nov 2021	12	JF	LAB DUPLICATE	ns	ns	<2
F02	10 Nov 2021	12	JF	LAB DUPLICATE	ns	ns	<2
F07	10 Nov 2021	60	BS	LAB DUPLICATE	ns	ns	<2
F08	10 Nov 2021	60	AR	LAB DUPLICATE	ns	ns	2e
F11	10 Nov 2021	60	BS	LAB DUPLICATE	ns	ns	<2
F17	12 Nov 2021	80	HF	LAB DUPLICATE	ns	ns	280e
F18	12 Nov 2021	60	HF	LAB DUPLICATE	ns	ns	60
F19	12 Nov 2021	60	HF	LAB DUPLICATE	ns	ns	72
F20	12 Nov 2021	60	CRE	LAB DUPLICATE	ns	ns	380e
F21	12 Nov 2021	80	CRE	LAB DUPLICATE	ns	ns	200e
F28	09 Nov 2021	60	CRE	LAB DUPLICATE	ns	ns	<2
F29	09 Nov 2021	60	CRE	LAB DUPLICATE	ns	ns	<2
F30	09 Nov 2021	60	JF	LAB DUPLICATE	ns	ns	<2
F31	09 Nov 2021	80	JF	LAB DUPLICATE	ns	ns	140e
F32	09 Nov 2021	80	AR	LAB DUPLICATE	ns	ns	660
F34	09 Nov 2021	60	AR	LAB DUPLICATE	ns	ns	10e

ns = not sampled

ND = no data



# APPENDIX B

## New 2019 Ocean Plan Water Quality Objectives





# Shore Stations



**Table B.1**

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the PLOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (\*). Values >30 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2021	3	2	3	4	2	3	5	5
02 Nov 2021	3	2	3	4	2	3	5	5
03 Nov 2021	4	2	4	7	2	3	5	7
04 Nov 2021	4	2	4	7	2	3	5	7
05 Nov 2021	4	2	4	7	2	3	5	7
06 Nov 2021	4	2	4	7	2	3	5	7
07 Nov 2021	4	2	4	7	2	3	5	7
08 Nov 2021	4	2	3	8	2	3	6	7
09 Nov 2021	4	2	3	8	2	3	6	7
10 Nov 2021	4	2	4	10	2	3	7	9
11 Nov 2021	4	2	4	10	2	3	7	9
12 Nov 2021	4	2	4	10	2	3	7	9
13 Nov 2021	4	2	4	10	2	3	7	9
14 Nov 2021	4	2	4	10	2	3	7	9
15 Nov 2021	4	2	4	10	2	3	7	9
16 Nov 2021	4	2	4	10	2	3	7	9
17 Nov 2021	3	2	2	9	2	3	6	6
18 Nov 2021	3	2	2	9	2	3	6	6
19 Nov 2021	3	2	2	9	2	3	6	6
20 Nov 2021	3	2	2	9	2	3	6	6
21 Nov 2021	3	2	2	9	2	3	6	6
22 Nov 2021	3	2	2	7	2	4	5	5
23 Nov 2021	3	2	2	7	2	4	5	5
24 Nov 2021	3	2	2	9	2	4	6	6
25 Nov 2021	3	2	2	9	2	4	6	6
26 Nov 2021	3	2	2	9	2	4	6	6
27 Nov 2021	3	2	2	9	2	4	6	6
28 Nov 2021	3	2	2	9	2	4	6	6
29 Nov 2021	3	2	2	9	2	4	6	6
30 Nov 2021	3	2	2	9	2	4	6	6

\* Geometric mean calculated using n<5  
 ns = not sampled

## Table B.2

Summary of compliance at the PLOO shore stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
November	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

# Kelp Stations



**Table B.3**

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the PLOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (\*). Values >30 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2021	3	2	2	2	2	2	2	2
02 Nov 2021	2	2	2	2	2	2	2	2
03 Nov 2021	3	2	2	2	2	2	2	2
04 Nov 2021	3	2	2	2	2	2	2	2
05 Nov 2021	3	2	2	2	2	2	2	2
06 Nov 2021	3	2	2	2	2	2	2	2
07 Nov 2021	3	2	2	2	2	2	2	2
08 Nov 2021	3	2	2	2	2	2	2	2
09 Nov 2021	3	2	2	2	2	2	2	2
10 Nov 2021	3	2	2	2	2	2	2	2
11 Nov 2021	3	2	2	2	2	2	2	2
12 Nov 2021	3	2	2	2	2	2	2	2
13 Nov 2021	3	2	2	2	2	2	2	2
14 Nov 2021	3	2	2	2	2	2	2	2
15 Nov 2021	3	2	2	2	2	2	2	2
16 Nov 2021	3	2	2	2	2	2	2	2
17 Nov 2021	3	2	2	2	2	2	2	2
18 Nov 2021	3	2	2	2	2	2	2	2
19 Nov 2021	3	2	2	2	2	2	2	2
20 Nov 2021	3	2	2	2	2	2	2	2
21 Nov 2021	3	2	2	2	2	2	2	2
22 Nov 2021	3	2	2	2	2	2	2	2
23 Nov 2021	3	2	2	2	2	2	2	2
24 Nov 2021	3	2	2	2	2	2	2	2
25 Nov 2021	3	2	2	2	2	2	2	2
26 Nov 2021	3	2	2	2	2	2	2	2
27 Nov 2021	3	2	2	2	2	2	2	2
28 Nov 2021	3	2	2	2	2	2	2	2
29 Nov 2021	3	2	2	2	2	2	2	2
30 Nov 2021	3	2	2	2	2	2	2	2

\* Geometric mean calculated using n<5

### Table B.4

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	A1	A6	A7	C4	C5	C6	C7	C8
November	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data