

# POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

## POINT LOMA WASTEWATER TREATMENT PLANT

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

### FEBRUARY 2021

Environmental Monitoring and Technical Services  
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March 31, 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 February 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 Director  
Public Utilities Department

PV/rk

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



## INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2017-0007, 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 recommenced at D8-B during February 2021.

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 shoreline water quality stations (D4, D5, D7, D8-A/D8-B, D9, D10, D11 and D12) were sampled on February 3, 10, 17, and 24.
- During February, one of these stations was out of compliance with 2015 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
- The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station D8-B.
- Notable observations included a sewage-like odor at station D9 on February 24.
- 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 February 1, 8, 18, and 22.
- During February, each of the eight kelp bed stations was in compliance with the various 2015 Ocean Plan water contact standards.
- Water column temperatures ranged from 11.53 to 14.96°C. The difference between surface and bottom waters ranged from 0.03 to 2.51°C.
- Chlorophyll *a* concentrations ranged from 0.52 to 8.96 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

### ***Offshore Stations***

- Quarterly offshore water quality sampling was conducted on February 23, 24, and 25.
- During February, each of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) was in compliance with the relevant Ocean Plan single sample maximum (SSM) standard for *Enterococcus*.
- Of the remaining 21 offshore stations, three had elevated densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL), as follows:
  - Sea water samples with elevated *Enterococcus* were collected from stations F25, F30, and F33 at depths of 60 m or deeper.
- Water column temperatures ranged from 9.71 to 15.42°C in February. The difference between surface and bottom waters ranged from 0.01 to 4.76°C.
- Chlorophyll *a* concentrations ranged from 0.25 to 9.6 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



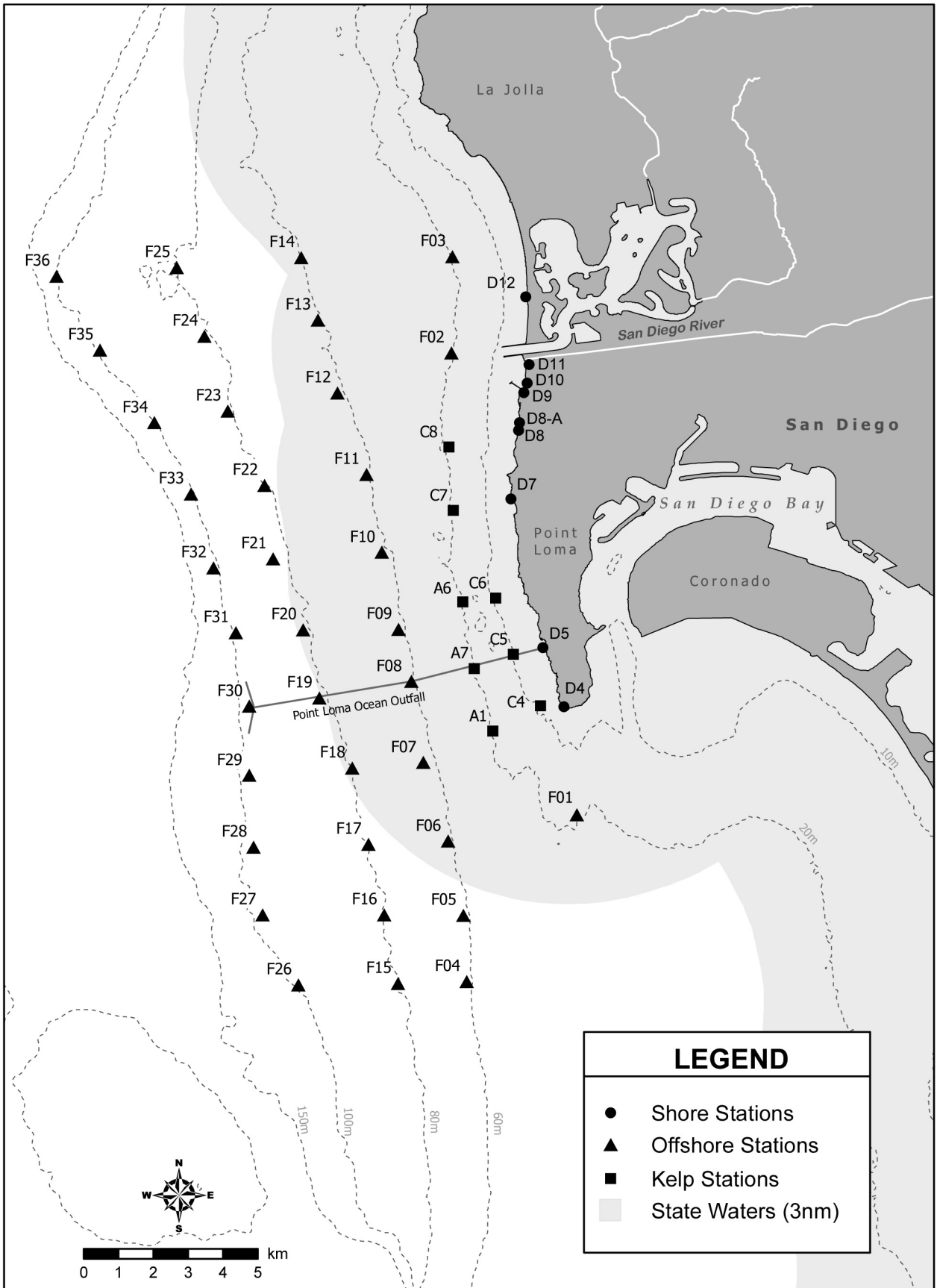


Figure 1.1 Station Map



# 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-A	D8-B	D9	D10	D11	D12
01 Feb 2021	3	11	6	20	ns	26	60	16	20
02 Feb 2021	3	11	6	20	ns	26	60	16	20
03 Feb 2021	3	8	5	14	ns	18	48	17	20
04 Feb 2021	3	8	5	14	ns	18	48	17	20
05 Feb 2021	3	6	4	13	ns	18	34	16	20
06 Feb 2021	3	6	4	13	ns	18	34	16	20
07 Feb 2021	3	6	4	13	ns	18	34	16	20
08 Feb 2021	3	6	4	13	ns	18	34	16	20
09 Feb 2021	3	6	4	13	ns	18	34	16	20
10 Feb 2021	6	8	8	14	ns	21	30	17	20
11 Feb 2021	6	8	8	14	ns	21	30	17	20
12 Feb 2021	8	6	11	13	ns	21	28	16	20
13 Feb 2021	8	6	11	13	ns	21	28	16	20
14 Feb 2021	8	6	11	13	ns	21	28	16	20
15 Feb 2021	8	6	11	13	ns	21	28	16	20
16 Feb 2021	8	6	11	13	ns	21	28	16	20
17 Feb 2021	10	5	8	13	20*	33	26	26	32
18 Feb 2021	10	5	8	13	20*	33	26	26	32
19 Feb 2021	15	6	11	12*	20*	37	42	42	36
20 Feb 2021	15	6	11	12*	20*	37	42	42	36
21 Feb 2021	15	6	11	12*	20*	37	42	42	36
22 Feb 2021	15	6	11	12*	20*	37	42	42	36
23 Feb 2021	15	6	11	12*	20*	37	42	42	36
24 Feb 2021	10	5	13	12*	63*	33	58	36	20
25 Feb 2021	10	5	13	12*	63*	33	58	36	20
26 Feb 2021	11	4	11	9*	63*	28	36	36	20
27 Feb 2021	11	4	11	9*	63*	28	36	36	20
28 Feb 2021	11	4	11	9*	63*	28	36	36	20

\* 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-A	D8-B	D9	D10	D11	D12
01 Feb 2021	2	2	2	3	ns	2	4	6	7
02 Feb 2021	2	2	2	3	ns	2	4	6	7
03 Feb 2021	2	2	2	3	ns	2	5	6	6
04 Feb 2021	2	2	2	3	ns	2	5	6	6
05 Feb 2021	2	2	2	2	ns	2	7	5	7
06 Feb 2021	2	2	2	2	ns	2	7	5	7
07 Feb 2021	2	2	2	2	ns	2	7	5	7
08 Feb 2021	2	2	2	2	ns	2	7	5	7
09 Feb 2021	2	2	2	2	ns	2	7	5	7
10 Feb 2021	4	2	3	3	ns	2	7	4	5
11 Feb 2021	4	2	3	3	ns	2	7	4	5
12 Feb 2021	4	2	3	3	ns	2	6	4	5
13 Feb 2021	4	2	3	3	ns	2	6	4	5
14 Feb 2021	4	2	3	3	ns	2	6	4	5
15 Feb 2021	4	2	3	3	ns	2	6	4	5
16 Feb 2021	4	2	3	3	ns	2	6	4	5
17 Feb 2021	4	2	3	3	2*	2	6	4	5
18 Feb 2021	4	2	3	3	2*	2	6	4	5
19 Feb 2021	4	2	3	3*	2*	2	7	3	5
20 Feb 2021	4	2	3	3*	2*	2	7	3	5
21 Feb 2021	4	2	3	3*	2*	2	7	3	5
22 Feb 2021	4	2	3	3*	2*	2	7	3	5
23 Feb 2021	4	2	3	3*	2*	2	7	3	5
24 Feb 2021	4	2	4	3*	9*	3	6	4	4
25 Feb 2021	4	2	4	3*	9*	3	6	4	4
26 Feb 2021	4	2	4	3*	9*	3	6	5	3
27 Feb 2021	4	2	4	3*	9*	3	6	5	3
28 Feb 2021	4	2	4	3*	9*	3	6	5	3

\* 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-A	D8-B	D9	D10	D11	D12
01 Feb 2021	2	2	2	3	ns	3	10	8	5
02 Feb 2021	2	2	2	3	ns	3	10	8	5
03 Feb 2021	2	2	2	3	ns	3	11	6	4
04 Feb 2021	2	2	2	3	ns	3	11	6	4
05 Feb 2021	2	2	2	3	ns	3	11	6	5
06 Feb 2021	2	2	2	3	ns	3	11	6	5
07 Feb 2021	2	2	2	3	ns	3	11	6	5
08 Feb 2021	2	2	2	3	ns	3	11	6	5
09 Feb 2021	2	2	2	3	ns	3	11	6	5
10 Feb 2021	3	2	2	4	ns	3	11	5	4
11 Feb 2021	3	2	2	4	ns	3	11	5	4
12 Feb 2021	3	2	3	4	ns	2	9	4	4
13 Feb 2021	3	2	3	4	ns	2	9	4	4
14 Feb 2021	3	2	3	4	ns	2	9	4	4
15 Feb 2021	3	2	3	4	ns	2	9	4	4
16 Feb 2021	3	2	3	4	ns	2	9	4	4
17 Feb 2021	3	2	2	4	2*	2	8	4	4
18 Feb 2021	3	2	2	4	2*	2	8	4	4
19 Feb 2021	3	2	3	5*	2*	2	11	4	4
20 Feb 2021	3	2	3	5*	2*	2	11	4	4
21 Feb 2021	3	2	3	5*	2*	2	11	4	4
22 Feb 2021	3	2	3	5*	2*	2	11	4	4
23 Feb 2021	3	2	3	5*	2*	2	11	4	4
24 Feb 2021	3	2	2	5*	20*	4	9	5	4
25 Feb 2021	3	2	2	5*	23*	4	9	5	4
26 Feb 2021	3	2	3	4*	23*	4	8	4	2
27 Feb 2021	3	2	3	4*	23*	4	8	4	2
28 Feb 2021	3	2	3	4*	23*	4	8	4	2

\* 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-A	D8-B	D9	D10	D11	D12
03 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
10 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
17 Feb 2021	IC	IC	IC	ns	IC	IC	IC	IC	IC
24 Feb 2021	IC	IC	IC	ns	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-A	D8-B	D9	D10	D11	D12
03 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
10 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
17 Feb 2021	IC	IC	IC	ns	IC	IC	IC	IC	IC
24 Feb 2021	IC	IC	IC	ns	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-A	D8-B	D9	D10	D11	D12
03 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
10 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
17 Feb 2021	IC	IC	IC	ns	IC	IC	IC	IC	IC
24 Feb 2021	IC	IC	IC	ns	E	IC	IC	IC	IC
25 Feb 2021	ns	ns	ns	ns	IC	ns	ns	ns	ns

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-A	D8-B	D9	D10	D11	D12
03 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
10 Feb 2021	IC	IC	IC	IC	ns	IC	IC	IC	IC
17 Feb 2021	IC	IC	IC	ns	IC	IC	IC	IC	IC
24 Feb 2021	IC	IC	IC	ns	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 Feb 2021	853	2e	<2	<2	1.00
D4	10 Feb 2021	809	200e	40	10e	0.20
D4	17 Feb 2021	823	<20	<2	2e	0.10
D4	24 Feb 2021	835	<2	<2	<2	1.00
D5	03 Feb 2021	905	2e	<2	<2	1.00
D5	10 Feb 2021	753	<20	<2	<2	0.10
D5	17 Feb 2021	805	<2	<2	2e	1.00
D5	24 Feb 2021	820	<2	2e	<2	1.00
D7	03 Feb 2021	742	<2	<2	<2	1.00
D7	10 Feb 2021	830	<200	18e	6e	0.09
D7	17 Feb 2021	845	<2	<2	<2	1.00
D7	24 Feb 2021	855	20e	4e	<2	0.20
D8-A	03 Feb 2021	803	4e	2e	<2	0.50
D8-A	10 Feb 2021	850	<20	4e	10e	0.20
D8-B	17 Feb 2021	905	<20	<2	<2	0.10
D8-B	24 Feb 2021	910	<200	38e	200e	0.19
D8-B	25 Feb 2021	1135	ns	ns	30e	ns
D9	03 Feb 2021	938	4e	<2	<2	0.50
D9	10 Feb 2021	900	40e	2e	<2	0.05
D9	17 Feb 2021	920	<200	2e	2e	0.01
D9	24 Feb 2021	920	<20	14e	30e	0.70
D10	03 Feb 2021	955	20e	16e	18e	0.80
D10	10 Feb 2021	910	<20	8e	12e	0.40
D10	17 Feb 2021	937	20e	4e	4e	0.20
D10	24 Feb 2021	935	<200	<2	4e	0.01
D11	03 Feb 2021	1010	20e	4e	2e	0.20
D11	10 Feb 2021	1030	20e	2e	<2	0.10
D11	17 Feb 2021	955	<200	4e	2e	0.02
D11	24 Feb 2021	950	<20	14e	28e	0.70
D12	03 Feb 2021	1030	<20	4e	<2	0.20
D12	10 Feb 2021	1015	<20	2e	2e	0.10
D12	17 Feb 2021	1045	220e	4e	2e	0.02
D12	24 Feb 2021	1040	<2	<2	<2	1.00

ns = not sampled

ND = no data

**Comments**

<b>Station</b>	<b>Date</b>	<b>Depth</b>	<b>Parameter</b>	<b>Comments</b>
D8-B	25 Feb 2021			Resample

**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 Feb 2021	Arrive Time	853
D4	03 Feb 2021	Weather	Cloudy
D4	03 Feb 2021	Wind Speed (kts)	0.9
D4	03 Feb 2021	Wind Dir	NW
D4	03 Feb 2021	Animal Life	1 Cormorant; 1 Pelican
D4	03 Feb 2021	Floatables	None
D4	03 Feb 2021	Water Color	Green
D4	03 Feb 2021	Current Direction	S
D4	03 Feb 2021	Water Temp (C)	15.4
D4	03 Feb 2021	Wave Height Low (ft)	2
D4	03 Feb 2021	High Tide (ft)	3.38
D4	03 Feb 2021	High Tide Time	1303
D4	03 Feb 2021	Low Tide (ft)	1.35
D4	03 Feb 2021	Low Tide Time	731
D4	03 Feb 2021	Comments	Kelp; Seagrass; Algae; 1 Surfer; Water clear
D4	10 Feb 2021	Arrive Time	809
D4	10 Feb 2021	Weather	Partly Cloudy
D4	10 Feb 2021	Wind Speed (kts)	0.9
D4	10 Feb 2021	Wind Dir	NE
D4	10 Feb 2021	Animal Life	1 Cormorant
D4	10 Feb 2021	Floatables	Foam; Film
D4	10 Feb 2021	Water Color	Green
D4	10 Feb 2021	Current Direction	N
D4	10 Feb 2021	Water Temp (C)	15.5
D4	10 Feb 2021	Wave Height Low (ft)	2
D4	10 Feb 2021	High Tide (ft)	6.17
D4	10 Feb 2021	High Tide Time	744
D4	10 Feb 2021	Low Tide (ft)	-1.41
D4	10 Feb 2021	Low Tide Time	1453
D4	10 Feb 2021	Comments	Kelp; Seagrass; 1 Boat; Water clear
D4	17 Feb 2021	Arrive Time	823
D4	17 Feb 2021	Weather	Partly Cloudy
D4	17 Feb 2021	Wind Speed (kts)	3.1
D4	17 Feb 2021	Wind Dir	S
D4	17 Feb 2021	Animal Life	None
D4	17 Feb 2021	Floatables	None
D4	17 Feb 2021	Water Color	Green
D4	17 Feb 2021	Current Direction	N
D4	17 Feb 2021	Water Temp (C)	15.1
D4	17 Feb 2021	Wave Height Low (ft)	2
D4	17 Feb 2021	High Tide (ft)	3.05
D4	17 Feb 2021	High Tide Time	1215
D4	17 Feb 2021	Low Tide (ft)	1.53
D4	17 Feb 2021	Low Tide Time	644
D4	17 Feb 2021	Comments	Algae; 1 Surfer; 2 Boats; Water clear; Trash-0
D4	24 Feb 2021	Arrive Time	835
D4	24 Feb 2021	Weather	Sunny
D4	24 Feb 2021	Wind Speed (kts)	10.3
D4	24 Feb 2021	Wind Dir	SE
D4	24 Feb 2021	Animal Life	1 Cormorant; 1 Pelican; 1 Seagull
D4	24 Feb 2021	Floatables	None
D4	24 Feb 2021	Water Color	Green
D4	24 Feb 2021	Current Direction	N



Station	Date	Parameter	Value
D4	24 Feb 2021	Water Temp (C)	14.3
D4	24 Feb 2021	Wave Height Low (ft)	3
D4	24 Feb 2021	High Tide (ft)	5.51
D4	24 Feb 2021	High Tide Time	644
D4	24 Feb 2021	Low Tide (ft)	-0.91
D4	24 Feb 2021	Low Tide Time	1357
D4	24 Feb 2021	Comments	Algae; Kelp; Water clear
D5	03 Feb 2021	Arrive Time	905
D5	03 Feb 2021	Weather	Cloudy
D5	03 Feb 2021	Wind Speed (kts)	5.8
D5	03 Feb 2021	Wind Dir	N
D5	03 Feb 2021	Animal Life	3 Seagulls; 2 Cormorants; 2 Pelicans
D5	03 Feb 2021	Floatables	Foam
D5	03 Feb 2021	Water Color	Green
D5	03 Feb 2021	Current Direction	S
D5	03 Feb 2021	Water Temp (C)	15.8
D5	03 Feb 2021	Wave Height Low (ft)	3
D5	03 Feb 2021	High Tide (ft)	3.38
D5	03 Feb 2021	High Tide Time	1303
D5	03 Feb 2021	Low Tide (ft)	1.35
D5	03 Feb 2021	Low Tide Time	731
D5	03 Feb 2021	Comments	Kelp; Algae; Water clear
D5	10 Feb 2021	Arrive Time	753
D5	10 Feb 2021	Weather	Partly Cloudy
D5	10 Feb 2021	Wind Speed (kts)	0.9
D5	10 Feb 2021	Wind Dir	NE
D5	10 Feb 2021	Animal Life	2 Cormorants; 10 Seagulls
D5	10 Feb 2021	Floatables	Foam; Film
D5	10 Feb 2021	Water Color	Green
D5	10 Feb 2021	Current Direction	N
D5	10 Feb 2021	Water Temp (C)	15.7
D5	10 Feb 2021	Wave Height Low (ft)	2
D5	10 Feb 2021	High Tide (ft)	6.17
D5	10 Feb 2021	High Tide Time	744
D5	10 Feb 2021	Low Tide (ft)	-1.41
D5	10 Feb 2021	Low Tide Time	1453
D5	10 Feb 2021	Comments	Algae; 1 Boat; Water clear
D5	17 Feb 2021	Arrive Time	805
D5	17 Feb 2021	Weather	Partly Cloudy
D5	17 Feb 2021	Wind Speed (kts)	1.1
D5	17 Feb 2021	Wind Dir	S
D5	17 Feb 2021	Animal Life	2 Cormorants; 1 Seagull
D5	17 Feb 2021	Floatables	Foam
D5	17 Feb 2021	Water Color	Green
D5	17 Feb 2021	Current Direction	N
D5	17 Feb 2021	Water Temp (C)	15
D5	17 Feb 2021	Wave Height Low (ft)	3
D5	17 Feb 2021	High Tide (ft)	3.05
D5	17 Feb 2021	High Tide Time	1215
D5	17 Feb 2021	Low Tide (ft)	1.53
D5	17 Feb 2021	Low Tide Time	644
D5	17 Feb 2021	Comments	Kelp; Algae; 1 Boat; Water turbid; Trash-0
D5	24 Feb 2021	Arrive Time	820
D5	24 Feb 2021	Weather	Sunny
D5	24 Feb 2021	Wind Speed (kts)	2.3
D5	24 Feb 2021	Wind Dir	NW
D5	24 Feb 2021	Animal Life	1 Cormorant

Station	Date	Parameter	Value
D5	24 Feb 2021	Floatables	Foam
D5	24 Feb 2021	Water Color	Green
D5	24 Feb 2021	Current Direction	S
D5	24 Feb 2021	Water Temp (C)	14.5
D5	24 Feb 2021	Wave Height Low (ft)	3
D5	24 Feb 2021	High Tide (ft)	5.51
D5	24 Feb 2021	High Tide Time	644
D5	24 Feb 2021	Low Tide (ft)	-0.91
D5	24 Feb 2021	Low Tide Time	1357
D5	24 Feb 2021	Comments	Algae; Water turbid
D7	03 Feb 2021	Arrive Time	742
D7	03 Feb 2021	Weather	Cloudy
D7	03 Feb 2021	Wind Speed (kts)	3.4
D7	03 Feb 2021	Wind Dir	W
D7	03 Feb 2021	Animal Life	19 Surfers; 6 Pelicans; 1 Cormorant
D7	03 Feb 2021	Floatables	None
D7	03 Feb 2021	Water Color	Blue
D7	03 Feb 2021	Current Direction	S
D7	03 Feb 2021	Water Temp (C)	15
D7	03 Feb 2021	Wave Height Low (ft)	2
D7	03 Feb 2021	High Tide (ft)	3.38
D7	03 Feb 2021	High Tide Time	1303
D7	03 Feb 2021	Low Tide (ft)	1.35
D7	03 Feb 2021	Low Tide Time	731
D7	03 Feb 2021	Comments	Kelp; Seagrass; Algae; Water clear
D7	10 Feb 2021	Arrive Time	830
D7	10 Feb 2021	Weather	Sunny
D7	10 Feb 2021	Wind Speed (kts)	1.1
D7	10 Feb 2021	Wind Dir	NE
D7	10 Feb 2021	Animal Life	None
D7	10 Feb 2021	Floatables	Foam; Film
D7	10 Feb 2021	Water Color	Green
D7	10 Feb 2021	Current Direction	N
D7	10 Feb 2021	Water Temp (C)	15.6
D7	10 Feb 2021	Wave Height Low (ft)	3
D7	10 Feb 2021	High Tide (ft)	6.17
D7	10 Feb 2021	High Tide Time	744
D7	10 Feb 2021	Low Tide (ft)	-1.41
D7	10 Feb 2021	Low Tide Time	1453
D7	10 Feb 2021	Comments	Kelp; Seagrass; 1 Boat; Water clear
D7	17 Feb 2021	Arrive Time	845
D7	17 Feb 2021	Weather	Sunny
D7	17 Feb 2021	Wind Speed (kts)	5
D7	17 Feb 2021	Wind Dir	SE
D7	17 Feb 2021	Animal Life	1 Seagull
D7	17 Feb 2021	Floatables	Foam
D7	17 Feb 2021	Water Color	Green
D7	17 Feb 2021	Current Direction	S
D7	17 Feb 2021	Water Temp (C)	15.1
D7	17 Feb 2021	Wave Height Low (ft)	4
D7	17 Feb 2021	High Tide (ft)	3.05
D7	17 Feb 2021	High Tide Time	1215
D7	17 Feb 2021	Low Tide (ft)	1.53
D7	17 Feb 2021	Low Tide Time	644
D7	17 Feb 2021	Comments	Algae; Kelp; Seagrass; 5 Persons; 29 Surfers; Water clear; Trash-0
D7	24 Feb 2021	Arrive Time	855

Station	Date	Parameter	Value
D7	24 Feb 2021	Weather	Sunny
D7	24 Feb 2021	Wind Speed (kts)	9.5
D7	24 Feb 2021	Wind Dir	E
D7	24 Feb 2021	Animal Life	None
D7	24 Feb 2021	Floatables	Foam; Film
D7	24 Feb 2021	Water Color	Green
D7	24 Feb 2021	Current Direction	N
D7	24 Feb 2021	Water Temp (C)	14.4
D7	24 Feb 2021	Wave Height Low (ft)	4
D7	24 Feb 2021	High Tide (ft)	5.51
D7	24 Feb 2021	High Tide Time	644
D7	24 Feb 2021	Low Tide (ft)	-0.91
D7	24 Feb 2021	Low Tide Time	1357
D7	24 Feb 2021	Comments	Kelp; Algae; Water clear
D8-A	03 Feb 2021	Arrive Time	803
D8-A	03 Feb 2021	Weather	Cloudy
D8-A	03 Feb 2021	Wind Speed (kts)	1.7
D8-A	03 Feb 2021	Wind Dir	W
D8-A	03 Feb 2021	Animal Life	9 Surfers
D8-A	03 Feb 2021	Floatables	None
D8-A	03 Feb 2021	Water Color	Green
D8-A	03 Feb 2021	Current Direction	S
D8-A	03 Feb 2021	Water Temp (C)	14.9
D8-A	03 Feb 2021	Wave Height Low (ft)	3
D8-A	03 Feb 2021	High Tide (ft)	3.38
D8-A	03 Feb 2021	High Tide Time	1303
D8-A	03 Feb 2021	Low Tide (ft)	1.35
D8-A	03 Feb 2021	Low Tide Time	731
D8-A	03 Feb 2021	Comments	Algae; Kelp; Seagrass; Water clear
D8-A	10 Feb 2021	Arrive Time	850
D8-A	10 Feb 2021	Weather	Sunny
D8-A	10 Feb 2021	Wind Speed (kts)	1.3
D8-A	10 Feb 2021	Wind Dir	W
D8-A	10 Feb 2021	Animal Life	None
D8-A	10 Feb 2021	Floatables	Foam; Film
D8-A	10 Feb 2021	Water Color	Green
D8-A	10 Feb 2021	Current Direction	S
D8-A	10 Feb 2021	Water Temp (C)	15.7
D8-A	10 Feb 2021	Wave Height Low (ft)	2
D8-A	10 Feb 2021	High Tide (ft)	6.17
D8-A	10 Feb 2021	High Tide Time	744
D8-A	10 Feb 2021	Low Tide (ft)	-1.41
D8-A	10 Feb 2021	Low Tide Time	1453
D8-A	10 Feb 2021	Comments	Kelp; Seagrass; Algae; 2 Boats; Water clear
D8-B	17 Feb 2021	Arrive Time	905
D8-B	17 Feb 2021	Weather	Sunny
D8-B	17 Feb 2021	Wind Speed (kts)	3.4
D8-B	17 Feb 2021	Wind Dir	W
D8-B	17 Feb 2021	Animal Life	None
D8-B	17 Feb 2021	Floatables	Foam
D8-B	17 Feb 2021	Water Color	Green
D8-B	17 Feb 2021	Current Direction	S
D8-B	17 Feb 2021	Water Temp (C)	14.6
D8-B	17 Feb 2021	Wave Height Low (ft)	3
D8-B	17 Feb 2021	High Tide (ft)	3.05
D8-B	17 Feb 2021	High Tide Time	1215
D8-B	17 Feb 2021	Low Tide (ft)	1.53
D8-B	17 Feb 2021	Low Tide Time	644

Station	Date	Parameter	Value
D8-B	17 Feb 2021	Comments	Kelp; Seagrass; Algae; 2 Persons; Water turbid; Trash-2
D8-B	24 Feb 2021	Arrive Time	910
D8-B	24 Feb 2021	Weather	Sunny
D8-B	24 Feb 2021	Wind Speed (kts)	5.7
D8-B	24 Feb 2021	Wind Dir	NE
D8-B	24 Feb 2021	Animal Life	None
D8-B	24 Feb 2021	Floatables	Foam
D8-B	24 Feb 2021	Water Color	Green
D8-B	24 Feb 2021	Current Direction	N
D8-B	24 Feb 2021	Water Temp (C)	14.7
D8-B	24 Feb 2021	Wave Height Low (ft)	2
D8-B	24 Feb 2021	High Tide (ft)	5.51
D8-B	24 Feb 2021	High Tide Time	644
D8-B	24 Feb 2021	Low Tide (ft)	-0.91
D8-B	24 Feb 2021	Low Tide Time	1357
D8-B	24 Feb 2021	Comments	Kelp; Seagrass; Algae; 1 Person; Water turbid
D8-B	25 Feb 2021	Arrive Time	1135
D8-B	25 Feb 2021	Weather	Sunny
D8-B	25 Feb 2021	Wind Speed (kts)	3.1
D8-B	25 Feb 2021	Wind Dir	SW
D8-B	25 Feb 2021	Animal Life	None
D8-B	25 Feb 2021	Floatables	Foam
D8-B	25 Feb 2021	Water Color	Green
D8-B	25 Feb 2021	Current Direction	S
D8-B	25 Feb 2021	Water Temp (C)	16.9
D8-B	25 Feb 2021	Wave Height Low (ft)	2
D8-B	25 Feb 2021	High Tide (ft)	5.86
D8-B	25 Feb 2021	High Tide Time	723
D8-B	25 Feb 2021	Low Tide (ft)	-1.14
D8-B	25 Feb 2021	Low Tide Time	1427
D8-B	25 Feb 2021	Comments	Resample; Algae; Kelp; 2 Persons; 1 Surfer; Water turbid
D9	03 Feb 2021	Arrive Time	938
D9	03 Feb 2021	Weather	Cloudy
D9	03 Feb 2021	Wind Speed (kts)	0.9
D9	03 Feb 2021	Wind Dir	W
D9	03 Feb 2021	Animal Life	1 Seal; 3 Pelicans; 2 People
D9	03 Feb 2021	Floatables	Foam
D9	03 Feb 2021	Water Color	Brown
D9	03 Feb 2021	Current Direction	S
D9	03 Feb 2021	Water Temp (C)	15.5
D9	03 Feb 2021	Wave Height Low (ft)	3
D9	03 Feb 2021	High Tide (ft)	3.38
D9	03 Feb 2021	High Tide Time	1303
D9	03 Feb 2021	Low Tide (ft)	1.35
D9	03 Feb 2021	Low Tide Time	731
D9	03 Feb 2021	Comments	Kelp; Algae; Seagrass; 1 Surfer; Water turbid
D9	10 Feb 2021	Arrive Time	900
D9	10 Feb 2021	Weather	Sunny
D9	10 Feb 2021	Wind Speed (kts)	1.7
D9	10 Feb 2021	Wind Dir	W
D9	10 Feb 2021	Animal Life	1 Seagull
D9	10 Feb 2021	Floatables	Foam; Film
D9	10 Feb 2021	Water Color	Brown
D9	10 Feb 2021	Current Direction	S
D9	10 Feb 2021	Water Temp (C)	16.2
D9	10 Feb 2021	Wave Height Low (ft)	2
D9	10 Feb 2021	High Tide (ft)	6.17

Station	Date	Parameter	Value
D9	10 Feb 2021	High Tide Time	744
D9	10 Feb 2021	Low Tide (ft)	-1.41
D9	10 Feb 2021	Low Tide Time	1453
D9	10 Feb 2021	Comments	Algae; 4 Boats; Water clear
D9	17 Feb 2021	Arrive Time	920
D9	17 Feb 2021	Weather	Sunny
D9	17 Feb 2021	Wind Speed (kts)	1.3
D9	17 Feb 2021	Wind Dir	E
D9	17 Feb 2021	Animal Life	None
D9	17 Feb 2021	Floatables	Foam; Film
D9	17 Feb 2021	Water Color	Brown
D9	17 Feb 2021	Current Direction	S
D9	17 Feb 2021	Water Temp (C)	15.4
D9	17 Feb 2021	Wave Height Low (ft)	4
D9	17 Feb 2021	High Tide (ft)	3.05
D9	17 Feb 2021	High Tide Time	1215
D9	17 Feb 2021	Low Tide (ft)	1.53
D9	17 Feb 2021	Low Tide Time	644
D9	17 Feb 2021	Comments	Algae; 3 Persons; Water turbid; Trash-2
D9	24 Feb 2021	Arrive Time	920
D9	24 Feb 2021	Weather	Sunny
D9	24 Feb 2021	Wind Speed (kts)	2.9
D9	24 Feb 2021	Wind Dir	E
D9	24 Feb 2021	Animal Life	None
D9	24 Feb 2021	Floatables	Foam; Film
D9	24 Feb 2021	Water Color	Brown
D9	24 Feb 2021	Current Direction	N
D9	24 Feb 2021	Water Temp (C)	14.7
D9	24 Feb 2021	Wave Height Low (ft)	4
D9	24 Feb 2021	High Tide (ft)	5.51
D9	24 Feb 2021	High Tide Time	644
D9	24 Feb 2021	Low Tide (ft)	-0.91
D9	24 Feb 2021	Low Tide Time	1357
D9	24 Feb 2021	Comments	Kelp; Algae; Sewage-like odor; 4 Persons; Water turbid
D10	03 Feb 2021	Arrive Time	955
D10	03 Feb 2021	Weather	Cloudy
D10	03 Feb 2021	Wind Speed (kts)	N/A
D10	03 Feb 2021	Wind Dir	
D10	03 Feb 2021	Animal Life	6 Seagulls
D10	03 Feb 2021	Floatables	None
D10	03 Feb 2021	Water Color	Brown
D10	03 Feb 2021	Current Direction	S
D10	03 Feb 2021	Water Temp (C)	15
D10	03 Feb 2021	Wave Height Low (ft)	3
D10	03 Feb 2021	High Tide (ft)	3.38
D10	03 Feb 2021	High Tide Time	1303
D10	03 Feb 2021	Low Tide (ft)	1.35
D10	03 Feb 2021	Low Tide Time	731
D10	03 Feb 2021	Comments	Kelp; Seagrass; 10 Persons; 14 Surfers; Water turbid
D10	10 Feb 2021	Arrive Time	910
D10	10 Feb 2021	Weather	Sunny
D10	10 Feb 2021	Wind Speed (kts)	2.1
D10	10 Feb 2021	Wind Dir	W
D10	10 Feb 2021	Animal Life	1 Godwit
D10	10 Feb 2021	Floatables	Foam
D10	10 Feb 2021	Water Color	Green
D10	10 Feb 2021	Current Direction	S

Station	Date	Parameter	Value
D10	10 Feb 2021	Water Temp (C)	16.8
D10	10 Feb 2021	Wave Height Low (ft)	3
D10	10 Feb 2021	High Tide (ft)	6.17
D10	10 Feb 2021	High Tide Time	744
D10	10 Feb 2021	Low Tide (ft)	-1.41
D10	10 Feb 2021	Low Tide Time	1453
D10	10 Feb 2021	Comments	Kelp; Seagrass; 1 Jogger; 3 Persons; 13 Surfers; 1 Tractor; Water clear
D10	17 Feb 2021	Arrive Time	937
D10	17 Feb 2021	Weather	Sunny
D10	17 Feb 2021	Wind Speed (kts)	3.1
D10	17 Feb 2021	Wind Dir	E
D10	17 Feb 2021	Animal Life	1 Dog; 7 Seagulls
D10	17 Feb 2021	Floatables	Foam; Film
D10	17 Feb 2021	Water Color	Brown
D10	17 Feb 2021	Current Direction	N
D10	17 Feb 2021	Water Temp (C)	15.7
D10	17 Feb 2021	Wave Height Low (ft)	6
D10	17 Feb 2021	High Tide (ft)	3.05
D10	17 Feb 2021	High Tide Time	1215
D10	17 Feb 2021	Low Tide (ft)	1.53
D10	17 Feb 2021	Low Tide Time	644
D10	17 Feb 2021	Comments	Kelp; Seagrass; Algae; 6 Persons; 5 Surfers; Water turbid
D10	24 Feb 2021	Arrive Time	935
D10	24 Feb 2021	Weather	Sunny
D10	24 Feb 2021	Wind Speed (kts)	4.4
D10	24 Feb 2021	Wind Dir	NE
D10	24 Feb 2021	Animal Life	32 Seagulls
D10	24 Feb 2021	Floatables	Foam
D10	24 Feb 2021	Water Color	Green
D10	24 Feb 2021	Current Direction	N
D10	24 Feb 2021	Water Temp (C)	15.9
D10	24 Feb 2021	Wave Height Low (ft)	3
D10	24 Feb 2021	High Tide (ft)	5.51
D10	24 Feb 2021	High Tide Time	644
D10	24 Feb 2021	Low Tide (ft)	-0.91
D10	24 Feb 2021	Low Tide Time	1357
D10	24 Feb 2021	Comments	Kelp; Seagrass; 6 Persons; 15 Surfers; Water turbid
D11	03 Feb 2021	Arrive Time	1010
D11	03 Feb 2021	Weather	Cloudy
D11	03 Feb 2021	Wind Speed (kts)	1.3
D11	03 Feb 2021	Wind Dir	N
D11	03 Feb 2021	Animal Life	1 Dog; 2 Seagulls
D11	03 Feb 2021	Floatables	None
D11	03 Feb 2021	Water Color	Blue
D11	03 Feb 2021	Current Direction	S
D11	03 Feb 2021	Water Temp (C)	15.6
D11	03 Feb 2021	Wave Height Low (ft)	3
D11	03 Feb 2021	High Tide (ft)	3.38
D11	03 Feb 2021	High Tide Time	1303
D11	03 Feb 2021	Low Tide (ft)	1.35
D11	03 Feb 2021	Low Tide Time	731
D11	03 Feb 2021	Comments	Kelp; Seagrass; 3 Surfers; 8 Persons; Water clear
D11	10 Feb 2021	Arrive Time	1030
D11	10 Feb 2021	Weather	Partly Cloudy
D11	10 Feb 2021	Wind Speed (kts)	3.1
D11	10 Feb 2021	Wind Dir	W

Station	Date	Parameter	Value
D11	10 Feb 2021	Animal Life	1 Dog
D11	10 Feb 2021	Floatables	Foam; Film
D11	10 Feb 2021	Water Color	Green
D11	10 Feb 2021	Current Direction	S
D11	10 Feb 2021	Water Temp (C)	16.6
D11	10 Feb 2021	Wave Height Low (ft)	3
D11	10 Feb 2021	High Tide (ft)	6.17
D11	10 Feb 2021	High Tide Time	744
D11	10 Feb 2021	Low Tide (ft)	-1.41
D11	10 Feb 2021	Low Tide Time	1453
D11	10 Feb 2021	Comments	10 Persons; 19 Surfers; 1 Boat; Water clear; 11 Kayaks
D11	17 Feb 2021	Arrive Time	955
D11	17 Feb 2021	Weather	Sunny
D11	17 Feb 2021	Wind Speed (kts)	1.7
D11	17 Feb 2021	Wind Dir	E
D11	17 Feb 2021	Animal Life	1 Godwit
D11	17 Feb 2021	Floatables	Foam; Film
D11	17 Feb 2021	Water Color	Brown
D11	17 Feb 2021	Current Direction	S
D11	17 Feb 2021	Water Temp (C)	15.7
D11	17 Feb 2021	Wave Height Low (ft)	4
D11	17 Feb 2021	High Tide (ft)	3.05
D11	17 Feb 2021	High Tide Time	1215
D11	17 Feb 2021	Low Tide (ft)	1.53
D11	17 Feb 2021	Low Tide Time	644
D11	17 Feb 2021	Comments	Kelp; Seagrass; 8 Persons; 13 Surfers; Water turbid
D11	24 Feb 2021	Arrive Time	950
D11	24 Feb 2021	Weather	Sunny
D11	24 Feb 2021	Wind Speed (kts)	0
D11	24 Feb 2021	Wind Dir	
D11	24 Feb 2021	Animal Life	None
D11	24 Feb 2021	Floatables	Foam
D11	24 Feb 2021	Water Color	Green
D11	24 Feb 2021	Current Direction	N
D11	24 Feb 2021	Water Temp (C)	15.8
D11	24 Feb 2021	Wave Height Low (ft)	5
D11	24 Feb 2021	High Tide (ft)	5.51
D11	24 Feb 2021	High Tide Time	644
D11	24 Feb 2021	Low Tide (ft)	-0.91
D11	24 Feb 2021	Low Tide Time	1357
D11	24 Feb 2021	Comments	Kelp; Seagrass; 19 Persons; 30 Surfers; Water turbid
D12	03 Feb 2021	Arrive Time	1030
D12	03 Feb 2021	Weather	Cloudy
D12	03 Feb 2021	Wind Speed (kts)	1.5
D12	03 Feb 2021	Wind Dir	W
D12	03 Feb 2021	Animal Life	9 Seagulls
D12	03 Feb 2021	Floatables	None
D12	03 Feb 2021	Water Color	Blue
D12	03 Feb 2021	Current Direction	S
D12	03 Feb 2021	Water Temp (C)	16.5
D12	03 Feb 2021	Wave Height Low (ft)	3
D12	03 Feb 2021	High Tide (ft)	3.38
D12	03 Feb 2021	High Tide Time	1303
D12	03 Feb 2021	Low Tide (ft)	1.35
D12	03 Feb 2021	Low Tide Time	731
D12	03 Feb 2021	Comments	Kelp; Seagrass; 3 Surfers; 6 Persons; Water clear
D12	10 Feb 2021	Arrive Time	1015

Station	Date	Parameter	Value
D12	10 Feb 2021	Weather	Overcast
D12	10 Feb 2021	Wind Speed (kts)	5.6
D12	10 Feb 2021	Wind Dir	W
D12	10 Feb 2021	Animal Life	None
D12	10 Feb 2021	Floatables	Foam
D12	10 Feb 2021	Water Color	Green
D12	10 Feb 2021	Current Direction	S
D12	10 Feb 2021	Water Temp (C)	16.8
D12	10 Feb 2021	Wave Height Low (ft)	2
D12	10 Feb 2021	High Tide (ft)	6.17
D12	10 Feb 2021	High Tide Time	744
D12	10 Feb 2021	Low Tide (ft)	-1.41
D12	10 Feb 2021	Low Tide Time	1453
D12	10 Feb 2021	Comments	Kelp; Seagrass; 6 Persons; 9 Surfers; Water clear
D12	17 Feb 2021	Arrive Time	1045
D12	17 Feb 2021	Weather	Sunny
D12	17 Feb 2021	Wind Speed (kts)	3.1
D12	17 Feb 2021	Wind Dir	W
D12	17 Feb 2021	Animal Life	None
D12	17 Feb 2021	Floatables	Foam
D12	17 Feb 2021	Water Color	Green
D12	17 Feb 2021	Current Direction	S
D12	17 Feb 2021	Water Temp (C)	17.4
D12	17 Feb 2021	Wave Height Low (ft)	4
D12	17 Feb 2021	High Tide (ft)	3.05
D12	17 Feb 2021	High Tide Time	1215
D12	17 Feb 2021	Low Tide (ft)	1.53
D12	17 Feb 2021	Low Tide Time	644
D12	17 Feb 2021	Comments	Kelp; Seagrass; 1 Jogger; 12 Persons; 1 Surfer; 2 Swimmers; Water turbid
D12	24 Feb 2021	Arrive Time	1040
D12	24 Feb 2021	Weather	Sunny
D12	24 Feb 2021	Wind Speed (kts)	5.4
D12	24 Feb 2021	Wind Dir	S
D12	24 Feb 2021	Animal Life	10 Seagulls
D12	24 Feb 2021	Floatables	Foam
D12	24 Feb 2021	Water Color	Green
D12	24 Feb 2021	Current Direction	N
D12	24 Feb 2021	Water Temp (C)	16
D12	24 Feb 2021	Wave Height Low (ft)	2
D12	24 Feb 2021	High Tide (ft)	5.51
D12	24 Feb 2021	High Tide Time	644
D12	24 Feb 2021	Low Tide (ft)	-0.91
D12	24 Feb 2021	Low Tide Time	1357
D12	24 Feb 2021	Comments	Kelp; Seagrass; 16 Persons; 4 Surfers; Water clear



# 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 Feb 2021	13	41	21	3	6	4	14	18
02 Feb 2021	13	41	21	3	6	4	14	18
03 Feb 2021	13	41	21	3	6	4	14	18
04 Feb 2021	12	35	17	3	6	4	19	19
05 Feb 2021	12	35	17	3	6	4	19	19
06 Feb 2021	12	35	17	3	6	4	19	19
07 Feb 2021	12	35	17	3	6	4	19	19
08 Feb 2021	8	20	14	3	5	4	14	13
09 Feb 2021	8	20	14	3	5	4	14	13
10 Feb 2021	8	20	14	3	5	4	14	13
11 Feb 2021	8	20	14	3	5	4	14	13
12 Feb 2021	7	13	9	3	5	4	9	13
13 Feb 2021	7	13	9	3	5	4	9	13
14 Feb 2021	7	13	9	3	5	4	9	13
15 Feb 2021	7	13	9	3	5	4	9	13
16 Feb 2021	7	13	9	3	5	4	9	13
17 Feb 2021	7	13	9	3	5	4	9	13
18 Feb 2021	18	14	10	8	3	2	8	14
19 Feb 2021	18	14	10	8	3	2	8	14
20 Feb 2021	18	14	10	8	3	2	8	14
21 Feb 2021	18	14	10	8	3	2	8	14
22 Feb 2021	19	15	11	6	4	2	9	15
23 Feb 2021	19	15	11	6	4	2	9	15
24 Feb 2021	19	15	11	6	4	2	9	15
25 Feb 2021	19	15	11	6	4	2	9	15
26 Feb 2021	15	10	8	5	3	2	7	10
27 Feb 2021	15	10	8	5	3	2	7	10
28 Feb 2021	15	10	8	5	3	2	7	10

\* 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 Feb 2021	3	7	5	2	2	2	4	3
02 Feb 2021	3	7	5	2	2	2	4	3
03 Feb 2021	3	7	5	2	2	2	4	3
04 Feb 2021	3	7	4	2	2	2	5	3
05 Feb 2021	3	7	4	2	2	2	5	3
06 Feb 2021	3	7	4	2	2	2	5	3
07 Feb 2021	3	7	4	2	2	2	5	3
08 Feb 2021	3	5	3	2	2	2	4	3
09 Feb 2021	3	5	3	2	2	2	4	3
10 Feb 2021	3	5	3	2	2	2	4	3
11 Feb 2021	3	5	3	2	2	2	4	3
12 Feb 2021	3	3	3	2	2	2	3	2
13 Feb 2021	3	3	3	2	2	2	3	2
14 Feb 2021	3	3	3	2	2	2	3	2
15 Feb 2021	3	3	3	2	2	2	3	2
16 Feb 2021	3	3	3	2	2	2	3	2
17 Feb 2021	3	3	3	2	2	2	3	2
18 Feb 2021	3	3	3	2	2	2	2	2
19 Feb 2021	3	3	3	2	2	2	2	2
20 Feb 2021	3	3	3	2	2	2	2	2
21 Feb 2021	3	3	3	2	2	2	2	2
22 Feb 2021	3	3	3	2	2	2	2	3
23 Feb 2021	3	3	3	2	2	2	2	3
24 Feb 2021	3	3	3	2	2	2	2	3
25 Feb 2021	3	3	3	2	2	2	2	3
26 Feb 2021	3	3	3	2	2	2	2	3
27 Feb 2021	3	3	3	2	2	2	2	3
28 Feb 2021	3	3	3	2	2	2	2	3

\* 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 Feb 2021	2	3	2	2	2	2	2	2
02 Feb 2021	2	3	2	2	2	2	2	2
03 Feb 2021	2	3	2	2	2	2	2	2
04 Feb 2021	2	3	2	2	2	2	2	2
05 Feb 2021	2	3	2	2	2	2	2	2
06 Feb 2021	2	3	2	2	2	2	2	2
07 Feb 2021	2	3	2	2	2	2	2	2
08 Feb 2021	2	3	2	2	2	2	2	2
09 Feb 2021	2	3	2	2	2	2	2	2
10 Feb 2021	2	3	2	2	2	2	2	2
11 Feb 2021	2	3	2	2	2	2	2	2
12 Feb 2021	2	2	2	2	2	2	2	2
13 Feb 2021	2	2	2	2	2	2	2	2
14 Feb 2021	2	2	2	2	2	2	2	2
15 Feb 2021	2	2	2	2	2	2	2	2
16 Feb 2021	2	2	2	2	2	2	2	2
17 Feb 2021	2	2	2	2	2	2	2	2
18 Feb 2021	2	2	2	2	2	2	2	2
19 Feb 2021	2	2	2	2	2	2	2	2
20 Feb 2021	2	2	2	2	2	2	2	2
21 Feb 2021	2	2	2	2	2	2	2	2
22 Feb 2021	2	2	2	2	2	2	2	2
23 Feb 2021	2	2	2	2	2	2	2	2
24 Feb 2021	2	2	2	2	2	2	2	2
25 Feb 2021	2	2	2	2	2	2	2	2
26 Feb 2021	2	2	2	2	2	2	2	2
27 Feb 2021	2	2	2	2	2	2	2	2
28 Feb 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
01 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 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
01 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 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
01 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 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
01 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
08 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 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	01 Feb 2021	916	1	<2	<2	<2	1.00	14.4	80.55	7.8	33.52	8.2
A1	01 Feb 2021	916	12	<20	<2	<2	0.10	14.4	81.60	7.7	33.53	8.1
A1	01 Feb 2021	916	18	30e	4e	2e	0.13	13.9	83.53	6.8	33.56	8.1
A1	08 Feb 2021	806	1	<2	<2	<2	1.00	14.4	76.77	7.4	33.53	8.1
A1	08 Feb 2021	806	12	<2	<2	<2	1.00	14.3	78.78	7.4	33.54	8.1
A1	08 Feb 2021	806	18	<2	<2	<2	1.00	13.8	80.97	6.7	33.58	8.1
A1	18 Feb 2021	811	1	<2	<2	<2	1.00	14.5	73.17	8.5	33.53	8.2
A1	18 Feb 2021	811	12	<2	<2	<2	1.00	14.4	73.69	8.3	33.54	8.2
A1	18 Feb 2021	811	18	<200	2e	<2	0.01	13.2	80.98	6.3	33.61	8.1
A1	22 Feb 2021	755	1	6e	2e	<2	0.33	14.0	76.94	8.6	33.56	8.2
A1	22 Feb 2021	755	12	2e	4e	<2	2.00	12.2	85.86	5.2	33.62	7.9
A1	22 Feb 2021	755	18	64	8e	4e	0.12	11.7	84.67	4.5	33.73	7.8
A6	01 Feb 2021	947	1	<2	2e	<2	1.00	14.6	77.53	8.2	33.47	8.2
A6	01 Feb 2021	947	12	2e	<2	<2	1.00	14.3	81.03	7.8	33.52	8.2
A6	01 Feb 2021	947	18	6e	<2	<2	0.33	13.9	83.61	6.9	33.56	8.1
A6	08 Feb 2021	837	1	<2	<2	<2	1.00	14.6	74.48	8.6	33.53	8.2
A6	08 Feb 2021	837	12	<2	2e	<2	1.00	13.6	83.49	6.7	33.57	8.1
A6	08 Feb 2021	837	18	<2	2e	<2	1.00	13.1	84.76	5.9	33.60	8.0
A6	18 Feb 2021	839	1	<2	2e	<2	1.00	14.5	71.33	8.7	33.54	8.2
A6	18 Feb 2021	839	12	40e	2e	<2	0.05	14.0	80.38	7.3	33.57	8.1
A6	18 Feb 2021	839	18	<200	8e	2e	0.04	13.2	80.24	6.2	33.64	8.0
A6	22 Feb 2021	819	1	<2	<2	<2	1.00	14.2	73.57	8.1	33.58	8.1
A6	22 Feb 2021	819	12	16e	<2	2e	0.12	12.7	82.15	5.6	33.68	7.9
A6	22 Feb 2021	819	18	40	4e	2e	0.10	11.8	82.65	4.5	33.71	7.8
A7	01 Feb 2021	932	1	<2	<2	<2	1.00	14.6	79.95	7.9	33.52	8.2
A7	01 Feb 2021	932	12	<2	<2	<2	1.00	14.2	82.65	7.4	33.54	8.1
A7	01 Feb 2021	932	18	4e	<2	<2	0.50	14.1	83.97	7.0	33.55	8.1
A7	08 Feb 2021	824	1	2e	<2	<2	1.00	14.4	80.06	8.1	33.53	8.2
A7	08 Feb 2021	824	12	<2	<2	<2	1.00	14.3	82.09	7.4	33.54	8.1
A7	08 Feb 2021	824	18	<20	2e	<2	0.10	13.3	84.84	5.6	33.59	8.0
A7	18 Feb 2021	826	1	2e	<2	2e	1.00	14.6	69.77	8.3	33.55	8.1
A7	18 Feb 2021	826	12	<20	4e	<2	0.20	14.3	75.07	7.8	33.56	8.1
A7	18 Feb 2021	826	18	<20	2e	<2	0.10	13.6	79.94	6.6	33.61	8.0
A7	22 Feb 2021	807	1	2e	<2	<2	1.00	14.0	67.65	8.9	33.54	8.2
A7	22 Feb 2021	807	12	8e	2e	<2	0.25	12.4	84.18	5.2	33.64	7.9
A7	22 Feb 2021	807	18	30e	10e	2e	0.33	11.6	84.01	4.3	33.75	7.8
C4	01 Feb 2021	1101	1	<2	<2	<2	1.00	14.6	79.29	7.8	33.52	8.2
C4	01 Feb 2021	1101	3	<2	<2	<2	1.00	14.4	78.80	7.8	33.52	8.2
C4	01 Feb 2021	1101	9	<2	<2	<2	1.00	14.3	80.65	7.1	33.53	8.1

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
C4	08 Feb 2021	957	1	<2	<2	<2	1.00	14.3	81.75	7.4	33.54	8.1
C4	08 Feb 2021	957	3	<2	<2	<2	1.00	14.3	81.49	7.4	33.54	8.1
C4	08 Feb 2021	957	9	<2	<2	<2	1.00	14.1	82.01	6.6	33.56	8.1
C4	18 Feb 2021	948	1	<200	4e	<2	0.02	14.6	63.64	7.9	33.57	8.1
C4	18 Feb 2021	948	3	<20	4e	<2	0.20	14.6	59.57	7.8	33.56	8.1
C4	18 Feb 2021	948	9	<20	<2	<2	0.10	14.3	63.01	7.1	33.59	8.1
C4	22 Feb 2021	919	1	<2	<2	<2	1.00	14.2	75.72	8.1	33.59	8.1
C4	22 Feb 2021	919	3	<2	<2	<2	1.00	14.1	74.22	7.9	33.60	8.1
C4	22 Feb 2021	919	9	<2	<2	<2	1.00	13.1	77.86	5.5	33.64	7.9
C5	01 Feb 2021	1049	1	<2	<2	<2	1.00	14.6	74.08	7.4	33.51	8.1
C5	01 Feb 2021	1049	3	<2	<2	<2	1.00	14.6	72.69	7.4	33.52	8.1
C5	01 Feb 2021	1049	9	<2	<2	<2	1.00	14.5	66.98	7.3	33.51	8.1
C5	08 Feb 2021	946	1	<2	<2	<2	1.00	14.4	81.61	7.5	33.54	8.1
C5	08 Feb 2021	946	3	<2	<2	<2	1.00	14.3	80.14	7.5	33.54	8.1
C5	08 Feb 2021	946	9	<2	<2	<2	1.00	14.3	82.39	7.4	33.54	8.1
C5	18 Feb 2021	937	1	2e	<2	<2	1.00	14.6	70.42	7.6	33.56	8.1
C5	18 Feb 2021	937	3	2e	<2	<2	1.00	14.5	70.09	7.5	33.56	8.1
C5	18 Feb 2021	937	9	<2	<2	<2	1.00	14.2	74.35	6.7	33.57	8.0
C5	22 Feb 2021	910	1	<2	<2	<2	1.00	14.5	73.58	7.7	33.59	8.1
C5	22 Feb 2021	910	3	<20	<2	<2	0.10	14.3	71.46	7.4	33.60	8.1
C5	22 Feb 2021	910	9	<2	<2	<2	1.00	12.9	77.52	5.5	33.63	7.9
C6	01 Feb 2021	1039	1	<2	<2	<2	1.00	14.6	80.75	8.0	33.48	8.2
C6	01 Feb 2021	1039	3	2e	<2	<2	1.00	14.6	80.72	8.0	33.49	8.2
C6	01 Feb 2021	1039	9	<2	<2	<2	1.00	14.4	84.36	7.3	33.53	8.1
C6	08 Feb 2021	934	1	<2	<2	<2	1.00	15.0	79.91	8.1	33.54	8.2
C6	08 Feb 2021	934	3	<2	<2	<2	1.00	14.9	79.67	8.0	33.54	8.2
C6	08 Feb 2021	934	9	<2	<2	<2	1.00	14.0	83.38	6.5	33.55	8.1
C6	18 Feb 2021	927	1	<2	<2	<2	1.00	14.5	74.30	7.5	33.55	8.1
C6	18 Feb 2021	927	3	2e	<2	<2	1.00	14.4	73.28	7.5	33.55	8.1
C6	18 Feb 2021	927	9	4e	<2	<2	0.50	14.0	78.87	6.7	33.57	8.0
C6	22 Feb 2021	900	1	<2	<2	<2	1.00	14.1	72.32	7.8	33.58	8.1
C6	22 Feb 2021	900	3	<2	<2	<2	1.00	14.0	73.18	7.4	33.59	8.1
C6	22 Feb 2021	900	9	<2	<2	<2	1.00	12.7	80.77	5.2	33.63	7.9
C7	01 Feb 2021	1005	1	<2	<2	<2	1.00	14.6	69.96	8.2	33.31	8.2
C7	01 Feb 2021	1005	12	<2	<2	<2	1.00	14.5	79.28	7.7	33.51	8.2
C7	01 Feb 2021	1005	18	<20	2e	<2	0.10	14.0	82.76	6.7	33.56	8.1
C7	08 Feb 2021	858	1	<2	<2	<2	1.00	14.6	75.20	9.2	33.52	8.2
C7	08 Feb 2021	858	12	2e	<2	<2	1.00	13.9	81.36	7.3	33.53	8.1
C7	08 Feb 2021	858	18	8e	2e	<2	0.25	13.3	84.55	5.6	33.59	8.0
C7	18 Feb 2021	854	1	<2	<2	<2	1.00	14.5	74.29	8.6	33.50	8.2
C7	18 Feb 2021	854	12	2e	2e	2e	1.00	13.4	82.48	6.4	33.58	8.0
C7	18 Feb 2021	854	18	<20	2e	<2	0.10	12.6	83.19	5.0	33.67	7.9
C7	22 Feb 2021	832	1	<2	<2	<2	1.00	11.6	84.27	4.4	33.73	7.8
C7	22 Feb 2021	832	12	12e	2e	<2	0.17	12.1	83.14	4.9	33.67	7.8
C7	22 Feb 2021	832	18	<20	6e	2e	0.30	11.6	84.27	4.4	33.73	7.8
C8	01 Feb 2021	1017	1	<20	<2	<2	0.10	14.5	68.78	8.5	33.25	8.2

Station	Date	Time	Depth	Total	Fecal	Enterococci	F:T	Temp	XMS	DO	Sal	pH
C8	01 Feb 2021	1017	12	2e	<2	2e	1.00	14.4	77.63	8.1	33.49	8.2
C8	01 Feb 2021	1017	18	4e	<2	<2	0.50	14.3	79.52	7.3	33.53	8.2
C8	08 Feb 2021	913	1	<2	<2	<2	1.00	14.3	70.35	8.3	33.44	8.2
C8	08 Feb 2021	913	12	<2	<2	<2	1.00	13.9	81.05	7.5	33.53	8.1
C8	08 Feb 2021	913	18	6e	<2	<2	0.33	13.5	81.57	6.7	33.56	8.1
C8	18 Feb 2021	905	1	2e	<2	<2	1.00	14.5	63.94	8.7	33.49	8.1
C8	18 Feb 2021	905	12	<20	4e	2e	0.20	13.6	74.18	6.9	33.56	8.0
C8	18 Feb 2021	905	18	40e	<2	<2	0.05	12.5	77.36	5.2	33.67	7.9
C8	22 Feb 2021	843	1	<2	<2	<2	1.00	13.6	69.49	7.8	33.55	8.1
C8	22 Feb 2021	843	12	40e	12e	2e	0.30	12.7	83.18	5.6	33.60	7.9
C8	22 Feb 2021	843	18	8e	<2	<2	0.25	11.6	83.08	4.5	33.72	7.8

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	01 Feb 2021	Depth (m)	20
A1	01 Feb 2021	Arrive Time	916
A1	01 Feb 2021	Depart Time	924
A1	01 Feb 2021	Air Temp (C)	15
A1	01 Feb 2021	Weather	Continuous layer of clouds
A1	01 Feb 2021	Visibility (mi)	10
A1	01 Feb 2021	Wind Speed (kts)	10
A1	01 Feb 2021	Wind Dir	NW
A1	01 Feb 2021	Water Color	Green
A1	01 Feb 2021	Wave Ht Low (ft)	3
A1	01 Feb 2021	Wave Period (sec)	9
A1	01 Feb 2021	Sea State	Calm
A1	01 Feb 2021	High Tide (ft)	4.96
A1	01 Feb 2021	High Tide Time	1056
A1	01 Feb 2021	Low Tide (ft)	1.41
A1	01 Feb 2021	Low Tide Time	506
A1	01 Feb 2021	Comments	none
A1	08 Feb 2021	Depth (m)	20
A1	08 Feb 2021	Arrive Time	806
A1	08 Feb 2021	Depart Time	816
A1	08 Feb 2021	Air Temp (C)	11
A1	08 Feb 2021	Weather	Overcast
A1	08 Feb 2021	Visibility (mi)	5
A1	08 Feb 2021	Wind Speed (kts)	4
A1	08 Feb 2021	Wind Dir	E
A1	08 Feb 2021	Water Color	Greenish-Blue
A1	08 Feb 2021	Wave Ht Low (ft)	3
A1	08 Feb 2021	Wave Period (sec)	13
A1	08 Feb 2021	Sea State	Calm
A1	08 Feb 2021	High Tide (ft)	5.84
A1	08 Feb 2021	High Tide Time	611
A1	08 Feb 2021	Low Tide (ft)	-1.18
A1	08 Feb 2021	Low Tide Time	1337
A1	08 Feb 2021	Comments	none
A1	18 Feb 2021	Depth (m)	19
A1	18 Feb 2021	Arrive Time	811
A1	18 Feb 2021	Depart Time	816
A1	18 Feb 2021	Air Temp (C)	14
A1	18 Feb 2021	Weather	Partly Cloudy
A1	18 Feb 2021	Visibility (mi)	5
A1	18 Feb 2021	Wind Speed (kts)	0
A1	18 Feb 2021	Wind Dir	
A1	18 Feb 2021	Water Color	Brownish-Green
A1	18 Feb 2021	Wave Ht Low (ft)	3
A1	18 Feb 2021	Wave Period (sec)	9
A1	18 Feb 2021	Sea State	Calm
A1	18 Feb 2021	High Tide (ft)	2.48
A1	18 Feb 2021	High Tide Time	1340
A1	18 Feb 2021	Low Tide (ft)	1.56
A1	18 Feb 2021	Low Tide Time	806
A1	18 Feb 2021	Comments	Kelp; Kelp debris
A1	22 Feb 2021	Depth (m)	20
A1	22 Feb 2021	Arrive Time	755

Station	Date	Parameter	Value
A1	22 Feb 2021	Depart Time	759
A1	22 Feb 2021	Air Temp (C)	14
A1	22 Feb 2021	Weather	Haze
A1	22 Feb 2021	Visibility (mi)	11
A1	22 Feb 2021	Wind Speed (kts)	8
A1	22 Feb 2021	Wind Dir	NE
A1	22 Feb 2021	Water Color	Greenish-Blue
A1	22 Feb 2021	Wave Ht Low (ft)	3
A1	22 Feb 2021	Wave Period (sec)	11
A1	22 Feb 2021	Sea State	Calm
A1	22 Feb 2021	High Tide (ft)	4.65
A1	22 Feb 2021	High Tide Time	514
A1	22 Feb 2021	Low Tide (ft)	-0.13
A1	22 Feb 2021	Low Tide Time	1254
A1	22 Feb 2021	Comments	Kelp; Kelp debris
A6	01 Feb 2021	Depth (m)	20
A6	01 Feb 2021	Arrive Time	947
A6	01 Feb 2021	Depart Time	954
A6	01 Feb 2021	Air Temp (C)	15
A6	01 Feb 2021	Weather	Continuous layer of clouds
A6	01 Feb 2021	Visibility (mi)	10
A6	01 Feb 2021	Wind Speed (kts)	9
A6	01 Feb 2021	Wind Dir	N
A6	01 Feb 2021	Water Color	Green
A6	01 Feb 2021	Wave Ht Low (ft)	3
A6	01 Feb 2021	Wave Period (sec)	9
A6	01 Feb 2021	Sea State	Calm
A6	01 Feb 2021	High Tide (ft)	4.96
A6	01 Feb 2021	High Tide Time	1056
A6	01 Feb 2021	Low Tide (ft)	1.41
A6	01 Feb 2021	Low Tide Time	506
A6	01 Feb 2021	Comments	Kelp; Lobster floats
A6	08 Feb 2021	Depth (m)	16
A6	08 Feb 2021	Arrive Time	837
A6	08 Feb 2021	Depart Time	848
A6	08 Feb 2021	Air Temp (C)	11
A6	08 Feb 2021	Weather	Overcast
A6	08 Feb 2021	Visibility (mi)	5
A6	08 Feb 2021	Wind Speed (kts)	8
A6	08 Feb 2021	Wind Dir	E
A6	08 Feb 2021	Water Color	Greenish-Blue
A6	08 Feb 2021	Wave Ht Low (ft)	3
A6	08 Feb 2021	Wave Period (sec)	13
A6	08 Feb 2021	Sea State	Calm
A6	08 Feb 2021	High Tide (ft)	5.84
A6	08 Feb 2021	High Tide Time	611
A6	08 Feb 2021	Low Tide (ft)	-1.18
A6	08 Feb 2021	Low Tide Time	1337
A6	08 Feb 2021	Comments	Recast CTD due to air bubble and bacti samples from 1st cast; Kelp
A6	18 Feb 2021	Depth (m)	19
A6	18 Feb 2021	Arrive Time	839
A6	18 Feb 2021	Depart Time	842
A6	18 Feb 2021	Air Temp (C)	15
A6	18 Feb 2021	Weather	Partly Cloudy
A6	18 Feb 2021	Visibility (mi)	6
A6	18 Feb 2021	Wind Speed (kts)	5
A6	18 Feb 2021	Wind Dir	E

Station	Date	Parameter	Value
A6	18 Feb 2021	Water Color	Brownish-Green
A6	18 Feb 2021	Wave Ht Low (ft)	3
A6	18 Feb 2021	Wave Period (sec)	9
A6	18 Feb 2021	Sea State	Calm
A6	18 Feb 2021	High Tide (ft)	2.48
A6	18 Feb 2021	High Tide Time	1340
A6	18 Feb 2021	Low Tide (ft)	1.56
A6	18 Feb 2021	Low Tide Time	806
A6	18 Feb 2021	Comments	Kelp; Kelp debris
A6	22 Feb 2021	Depth (m)	18
A6	22 Feb 2021	Arrive Time	819
A6	22 Feb 2021	Depart Time	822
A6	22 Feb 2021	Air Temp (C)	16
A6	22 Feb 2021	Weather	Haze
A6	22 Feb 2021	Visibility (mi)	11
A6	22 Feb 2021	Wind Speed (kts)	0
A6	22 Feb 2021	Wind Dir	
A6	22 Feb 2021	Water Color	Green
A6	22 Feb 2021	Wave Ht Low (ft)	3
A6	22 Feb 2021	Wave Period (sec)	11
A6	22 Feb 2021	Sea State	Calm
A6	22 Feb 2021	High Tide (ft)	4.65
A6	22 Feb 2021	High Tide Time	514
A6	22 Feb 2021	Low Tide (ft)	-0.13
A6	22 Feb 2021	Low Tide Time	1254
A6	22 Feb 2021	Comments	Kelp; Kelp debris
A7	01 Feb 2021	Depth (m)	20
A7	01 Feb 2021	Arrive Time	932
A7	01 Feb 2021	Depart Time	938
A7	01 Feb 2021	Air Temp (C)	15
A7	01 Feb 2021	Weather	Continuous layer of clouds
A7	01 Feb 2021	Visibility (mi)	10
A7	01 Feb 2021	Wind Speed (kts)	6
A7	01 Feb 2021	Wind Dir	N
A7	01 Feb 2021	Water Color	Green
A7	01 Feb 2021	Wave Ht Low (ft)	3
A7	01 Feb 2021	Wave Period (sec)	9
A7	01 Feb 2021	Sea State	Calm
A7	01 Feb 2021	High Tide (ft)	4.96
A7	01 Feb 2021	High Tide Time	1056
A7	01 Feb 2021	Low Tide (ft)	1.41
A7	01 Feb 2021	Low Tide Time	506
A7	01 Feb 2021	Comments	Kelp; Lobster floats
A7	08 Feb 2021	Depth (m)	19
A7	08 Feb 2021	Arrive Time	824
A7	08 Feb 2021	Depart Time	829
A7	08 Feb 2021	Air Temp (C)	11
A7	08 Feb 2021	Weather	Overcast
A7	08 Feb 2021	Visibility (mi)	5
A7	08 Feb 2021	Wind Speed (kts)	10
A7	08 Feb 2021	Wind Dir	SE
A7	08 Feb 2021	Water Color	Greenish-Blue
A7	08 Feb 2021	Wave Ht Low (ft)	3
A7	08 Feb 2021	Wave Period (sec)	13
A7	08 Feb 2021	Sea State	Calm
A7	08 Feb 2021	High Tide (ft)	5.84
A7	08 Feb 2021	High Tide Time	611
A7	08 Feb 2021	Low Tide (ft)	-1.18

Station	Date	Parameter	Value
A7	08 Feb 2021	Low Tide Time	1337
A7	08 Feb 2021	Comments	none
A7	18 Feb 2021	Depth (m)	19
A7	18 Feb 2021	Arrive Time	826
A7	18 Feb 2021	Depart Time	829
A7	18 Feb 2021	Air Temp (C)	15
A7	18 Feb 2021	Weather	Partly Cloudy
A7	18 Feb 2021	Visibility (mi)	6
A7	18 Feb 2021	Wind Speed (kts)	3
A7	18 Feb 2021	Wind Dir	NE
A7	18 Feb 2021	Water Color	Green
A7	18 Feb 2021	Wave Ht Low (ft)	3
A7	18 Feb 2021	Wave Period (sec)	9
A7	18 Feb 2021	Sea State	Calm
A7	18 Feb 2021	High Tide (ft)	2.48
A7	18 Feb 2021	High Tide Time	1340
A7	18 Feb 2021	Low Tide (ft)	1.56
A7	18 Feb 2021	Low Tide Time	806
A7	18 Feb 2021	Comments	Kelp; Kelp debris
A7	22 Feb 2021	Depth (m)	20
A7	22 Feb 2021	Arrive Time	807
A7	22 Feb 2021	Depart Time	810
A7	22 Feb 2021	Air Temp (C)	16
A7	22 Feb 2021	Weather	Haze
A7	22 Feb 2021	Visibility (mi)	11
A7	22 Feb 2021	Wind Speed (kts)	0
A7	22 Feb 2021	Wind Dir	
A7	22 Feb 2021	Water Color	Green
A7	22 Feb 2021	Wave Ht Low (ft)	3
A7	22 Feb 2021	Wave Period (sec)	11
A7	22 Feb 2021	Sea State	Calm
A7	22 Feb 2021	High Tide (ft)	4.65
A7	22 Feb 2021	High Tide Time	514
A7	22 Feb 2021	Low Tide (ft)	-0.13
A7	22 Feb 2021	Low Tide Time	1254
A7	22 Feb 2021	Comments	Kelp
C4	01 Feb 2021	Depth (m)	12
C4	01 Feb 2021	Arrive Time	1101
C4	01 Feb 2021	Depart Time	1105
C4	01 Feb 2021	Air Temp (C)	15
C4	01 Feb 2021	Weather	Continuous layer of clouds
C4	01 Feb 2021	Visibility (mi)	12
C4	01 Feb 2021	Wind Speed (kts)	6
C4	01 Feb 2021	Wind Dir	N
C4	01 Feb 2021	Water Color	Green
C4	01 Feb 2021	Wave Ht Low (ft)	3
C4	01 Feb 2021	Wave Period (sec)	13
C4	01 Feb 2021	Sea State	Calm
C4	01 Feb 2021	High Tide (ft)	4.96
C4	01 Feb 2021	High Tide Time	1056
C4	01 Feb 2021	Low Tide (ft)	1.41
C4	01 Feb 2021	Low Tide Time	506
C4	01 Feb 2021	Comments	none
C4	08 Feb 2021	Depth (m)	10
C4	08 Feb 2021	Arrive Time	957
C4	08 Feb 2021	Depart Time	1001
C4	08 Feb 2021	Air Temp (C)	12



Station	Date	Parameter	Value
C4	08 Feb 2021	Weather	Overcast
C4	08 Feb 2021	Visibility (mi)	5
C4	08 Feb 2021	Wind Speed (kts)	7
C4	08 Feb 2021	Wind Dir	SE
C4	08 Feb 2021	Water Color	Greenish-Blue
C4	08 Feb 2021	Wave Ht Low (ft)	3
C4	08 Feb 2021	Wave Period (sec)	13
C4	08 Feb 2021	Sea State	Calm
C4	08 Feb 2021	High Tide (ft)	5.84
C4	08 Feb 2021	High Tide Time	611
C4	08 Feb 2021	Low Tide (ft)	-1.18
C4	08 Feb 2021	Low Tide Time	1337
C4	08 Feb 2021	Comments	none
C4	18 Feb 2021	Depth (m)	12
C4	18 Feb 2021	Arrive Time	948
C4	18 Feb 2021	Depart Time	951
C4	18 Feb 2021	Air Temp (C)	15
C4	18 Feb 2021	Weather	Haze
C4	18 Feb 2021	Visibility (mi)	13
C4	18 Feb 2021	Wind Speed (kts)	7
C4	18 Feb 2021	Wind Dir	W
C4	18 Feb 2021	Water Color	Brownish-Green
C4	18 Feb 2021	Wave Ht Low (ft)	3
C4	18 Feb 2021	Wave Period (sec)	9
C4	18 Feb 2021	Sea State	Calm
C4	18 Feb 2021	High Tide (ft)	2.48
C4	18 Feb 2021	High Tide Time	1340
C4	18 Feb 2021	Low Tide (ft)	1.56
C4	18 Feb 2021	Low Tide Time	806
C4	18 Feb 2021	Comments	Kelp debris
C4	22 Feb 2021	Depth (m)	12
C4	22 Feb 2021	Arrive Time	919
C4	22 Feb 2021	Depart Time	921
C4	22 Feb 2021	Air Temp (C)	15
C4	22 Feb 2021	Weather	Haze
C4	22 Feb 2021	Visibility (mi)	13
C4	22 Feb 2021	Wind Speed (kts)	0
C4	22 Feb 2021	Wind Dir	
C4	22 Feb 2021	Water Color	Green
C4	22 Feb 2021	Wave Ht Low (ft)	3
C4	22 Feb 2021	Wave Period (sec)	11
C4	22 Feb 2021	Sea State	Calm
C4	22 Feb 2021	High Tide (ft)	4.65
C4	22 Feb 2021	High Tide Time	514
C4	22 Feb 2021	Low Tide (ft)	-0.13
C4	22 Feb 2021	Low Tide Time	1254
C4	22 Feb 2021	Comments	Seagrass
C5	01 Feb 2021	Depth (m)	12
C5	01 Feb 2021	Arrive Time	1049
C5	01 Feb 2021	Depart Time	1054
C5	01 Feb 2021	Air Temp (C)	16
C5	01 Feb 2021	Weather	Continuous layer of clouds
C5	01 Feb 2021	Visibility (mi)	12
C5	01 Feb 2021	Wind Speed (kts)	6
C5	01 Feb 2021	Wind Dir	N
C5	01 Feb 2021	Water Color	Green
C5	01 Feb 2021	Wave Ht Low (ft)	3
C5	01 Feb 2021	Wave Period (sec)	13

Station	Date	Parameter	Value
C5	01 Feb 2021	Sea State	Calm
C5	01 Feb 2021	High Tide (ft)	4.96
C5	01 Feb 2021	High Tide Time	1056
C5	01 Feb 2021	Low Tide (ft)	1.41
C5	01 Feb 2021	Low Tide Time	506
C5	01 Feb 2021	Comments	Kelp debris
C5	08 Feb 2021	Depth (m)	10
C5	08 Feb 2021	Arrive Time	946
C5	08 Feb 2021	Depart Time	955
C5	08 Feb 2021	Air Temp (C)	12
C5	08 Feb 2021	Weather	Overcast
C5	08 Feb 2021	Visibility (mi)	5
C5	08 Feb 2021	Wind Speed (kts)	2
C5	08 Feb 2021	Wind Dir	SW
C5	08 Feb 2021	Water Color	Greenish-Blue
C5	08 Feb 2021	Wave Ht Low (ft)	3
C5	08 Feb 2021	Wave Period (sec)	13
C5	08 Feb 2021	Sea State	Calm
C5	08 Feb 2021	High Tide (ft)	5.84
C5	08 Feb 2021	High Tide Time	611
C5	08 Feb 2021	Low Tide (ft)	-1.18
C5	08 Feb 2021	Low Tide Time	1337
C5	08 Feb 2021	Comments	none
C5	18 Feb 2021	Depth (m)	10
C5	18 Feb 2021	Arrive Time	937
C5	18 Feb 2021	Depart Time	940
C5	18 Feb 2021	Air Temp (C)	16
C5	18 Feb 2021	Weather	Haze
C5	18 Feb 2021	Visibility (mi)	12
C5	18 Feb 2021	Wind Speed (kts)	4
C5	18 Feb 2021	Wind Dir	N
C5	18 Feb 2021	Water Color	Green
C5	18 Feb 2021	Wave Ht Low (ft)	3
C5	18 Feb 2021	Wave Period (sec)	9
C5	18 Feb 2021	Sea State	Calm
C5	18 Feb 2021	High Tide (ft)	2.48
C5	18 Feb 2021	High Tide Time	1340
C5	18 Feb 2021	Low Tide (ft)	1.56
C5	18 Feb 2021	Low Tide Time	806
C5	18 Feb 2021	Comments	none
C5	22 Feb 2021	Depth (m)	11
C5	22 Feb 2021	Arrive Time	910
C5	22 Feb 2021	Depart Time	913
C5	22 Feb 2021	Air Temp (C)	15
C5	22 Feb 2021	Weather	Haze
C5	22 Feb 2021	Visibility (mi)	12
C5	22 Feb 2021	Wind Speed (kts)	2
C5	22 Feb 2021	Wind Dir	W
C5	22 Feb 2021	Water Color	Green
C5	22 Feb 2021	Wave Ht Low (ft)	3
C5	22 Feb 2021	Wave Period (sec)	11
C5	22 Feb 2021	Sea State	Calm
C5	22 Feb 2021	High Tide (ft)	4.65
C5	22 Feb 2021	High Tide Time	514
C5	22 Feb 2021	Low Tide (ft)	-0.13
C5	22 Feb 2021	Low Tide Time	1254
C5	22 Feb 2021	Comments	none

Station	Date	Parameter	Value
C6	01 Feb 2021	Depth (m)	11
C6	01 Feb 2021	Arrive Time	1039
C6	01 Feb 2021	Depart Time	1043
C6	01 Feb 2021	Air Temp (C)	16
C6	01 Feb 2021	Weather	Continuous layer of clouds
C6	01 Feb 2021	Visibility (mi)	12
C6	01 Feb 2021	Wind Speed (kts)	6
C6	01 Feb 2021	Wind Dir	N
C6	01 Feb 2021	Water Color	Green
C6	01 Feb 2021	Wave Ht Low (ft)	3
C6	01 Feb 2021	Wave Period (sec)	13
C6	01 Feb 2021	Sea State	Calm
C6	01 Feb 2021	High Tide (ft)	4.96
C6	01 Feb 2021	High Tide Time	1056
C6	01 Feb 2021	Low Tide (ft)	1.41
C6	01 Feb 2021	Low Tide Time	506
C6	01 Feb 2021	Comments	none
C6	08 Feb 2021	Depth (m)	9
C6	08 Feb 2021	Arrive Time	934
C6	08 Feb 2021	Depart Time	939
C6	08 Feb 2021	Air Temp (C)	12
C6	08 Feb 2021	Weather	Overcast
C6	08 Feb 2021	Visibility (mi)	5
C6	08 Feb 2021	Wind Speed (kts)	4
C6	08 Feb 2021	Wind Dir	S
C6	08 Feb 2021	Water Color	Greenish-Blue
C6	08 Feb 2021	Wave Ht Low (ft)	3
C6	08 Feb 2021	Wave Period (sec)	13
C6	08 Feb 2021	Sea State	Calm
C6	08 Feb 2021	High Tide (ft)	5.84
C6	08 Feb 2021	High Tide Time	611
C6	08 Feb 2021	Low Tide (ft)	-1.18
C6	08 Feb 2021	Low Tide Time	1337
C6	08 Feb 2021	Comments	none
C6	18 Feb 2021	Depth (m)	10
C6	18 Feb 2021	Arrive Time	927
C6	18 Feb 2021	Depart Time	929
C6	18 Feb 2021	Air Temp (C)	16
C6	18 Feb 2021	Weather	Haze
C6	18 Feb 2021	Visibility (mi)	11
C6	18 Feb 2021	Wind Speed (kts)	5
C6	18 Feb 2021	Wind Dir	E
C6	18 Feb 2021	Water Color	Greenish-Brown
C6	18 Feb 2021	Wave Ht Low (ft)	3
C6	18 Feb 2021	Wave Period (sec)	9
C6	18 Feb 2021	Sea State	Calm
C6	18 Feb 2021	High Tide (ft)	2.48
C6	18 Feb 2021	High Tide Time	1340
C6	18 Feb 2021	Low Tide (ft)	1.56
C6	18 Feb 2021	Low Tide Time	806
C6	18 Feb 2021	Comments	Seagrass
C6	22 Feb 2021	Depth (m)	10
C6	22 Feb 2021	Arrive Time	900
C6	22 Feb 2021	Depart Time	902
C6	22 Feb 2021	Air Temp (C)	15
C6	22 Feb 2021	Weather	Haze
C6	22 Feb 2021	Visibility (mi)	12
C6	22 Feb 2021	Wind Speed (kts)	1

Station	Date	Parameter	Value
C6	22 Feb 2021	Wind Dir	N
C6	22 Feb 2021	Water Color	Greenish-Brown
C6	22 Feb 2021	Wave Ht Low (ft)	3
C6	22 Feb 2021	Wave Period (sec)	11
C6	22 Feb 2021	Sea State	Calm
C6	22 Feb 2021	High Tide (ft)	4.65
C6	22 Feb 2021	High Tide Time	514
C6	22 Feb 2021	Low Tide (ft)	-0.13
C6	22 Feb 2021	Low Tide Time	1254
C6	22 Feb 2021	Comments	Seagrass
C7	01 Feb 2021	Depth (m)	19
C7	01 Feb 2021	Arrive Time	1005
C7	01 Feb 2021	Depart Time	1010
C7	01 Feb 2021	Air Temp (C)	15
C7	01 Feb 2021	Weather	Continuous layer of clouds
C7	01 Feb 2021	Visibility (mi)	10
C7	01 Feb 2021	Wind Speed (kts)	7
C7	01 Feb 2021	Wind Dir	N
C7	01 Feb 2021	Water Color	Green
C7	01 Feb 2021	Wave Ht Low (ft)	3
C7	01 Feb 2021	Wave Period (sec)	9
C7	01 Feb 2021	Sea State	Calm
C7	01 Feb 2021	High Tide (ft)	4.96
C7	01 Feb 2021	High Tide Time	1056
C7	01 Feb 2021	Low Tide (ft)	1.41
C7	01 Feb 2021	Low Tide Time	506
C7	01 Feb 2021	Comments	Kelp
C7	08 Feb 2021	Depth (m)	19
C7	08 Feb 2021	Arrive Time	858
C7	08 Feb 2021	Depart Time	904
C7	08 Feb 2021	Air Temp (C)	11
C7	08 Feb 2021	Weather	Overcast
C7	08 Feb 2021	Visibility (mi)	5
C7	08 Feb 2021	Wind Speed (kts)	7
C7	08 Feb 2021	Wind Dir	E
C7	08 Feb 2021	Water Color	Greenish-Blue
C7	08 Feb 2021	Wave Ht Low (ft)	3
C7	08 Feb 2021	Wave Period (sec)	13
C7	08 Feb 2021	Sea State	Calm
C7	08 Feb 2021	High Tide (ft)	5.84
C7	08 Feb 2021	High Tide Time	611
C7	08 Feb 2021	Low Tide (ft)	-1.18
C7	08 Feb 2021	Low Tide Time	1337
C7	08 Feb 2021	Comments	none
C7	18 Feb 2021	Depth (m)	19
C7	18 Feb 2021	Arrive Time	854
C7	18 Feb 2021	Depart Time	857
C7	18 Feb 2021	Air Temp (C)	16
C7	18 Feb 2021	Weather	Haze
C7	18 Feb 2021	Visibility (mi)	8
C7	18 Feb 2021	Wind Speed (kts)	5
C7	18 Feb 2021	Wind Dir	SE
C7	18 Feb 2021	Water Color	Brownish-Green
C7	18 Feb 2021	Wave Ht Low (ft)	3
C7	18 Feb 2021	Wave Period (sec)	9
C7	18 Feb 2021	Sea State	Calm
C7	18 Feb 2021	High Tide (ft)	2.48
C7	18 Feb 2021	High Tide Time	1340

Station	Date	Parameter	Value
C7	18 Feb 2021	Low Tide (ft)	1.56
C7	18 Feb 2021	Low Tide Time	806
C7	18 Feb 2021	Comments	Kelp
C7	22 Feb 2021	Depth (m)	18
C7	22 Feb 2021	Arrive Time	832
C7	22 Feb 2021	Depart Time	835
C7	22 Feb 2021	Air Temp (C)	14
C7	22 Feb 2021	Weather	Haze
C7	22 Feb 2021	Visibility (mi)	11
C7	22 Feb 2021	Wind Speed (kts)	4
C7	22 Feb 2021	Wind Dir	NW
C7	22 Feb 2021	Water Color	Green
C7	22 Feb 2021	Wave Ht Low (ft)	3
C7	22 Feb 2021	Wave Period (sec)	11
C7	22 Feb 2021	Sea State	Calm
C7	22 Feb 2021	High Tide (ft)	4.65
C7	22 Feb 2021	High Tide Time	514
C7	22 Feb 2021	Low Tide (ft)	-0.13
C7	22 Feb 2021	Low Tide Time	1254
C7	22 Feb 2021	Comments	Kelp
C8	01 Feb 2021	Depth (m)	21
C8	01 Feb 2021	Arrive Time	1017
C8	01 Feb 2021	Depart Time	1022
C8	01 Feb 2021	Air Temp (C)	15
C8	01 Feb 2021	Weather	Continuous layer of clouds
C8	01 Feb 2021	Visibility (mi)	12
C8	01 Feb 2021	Wind Speed (kts)	9
C8	01 Feb 2021	Wind Dir	NW
C8	01 Feb 2021	Water Color	Green
C8	01 Feb 2021	Wave Ht Low (ft)	3
C8	01 Feb 2021	Wave Period (sec)	9
C8	01 Feb 2021	Sea State	Calm
C8	01 Feb 2021	High Tide (ft)	4.96
C8	01 Feb 2021	High Tide Time	1056
C8	01 Feb 2021	Low Tide (ft)	1.41
C8	01 Feb 2021	Low Tide Time	506
C8	01 Feb 2021	Comments	Kelp; Lobster floats
C8	08 Feb 2021	Depth (m)	20
C8	08 Feb 2021	Arrive Time	913
C8	08 Feb 2021	Depart Time	918
C8	08 Feb 2021	Air Temp (C)	12
C8	08 Feb 2021	Weather	Overcast
C8	08 Feb 2021	Visibility (mi)	5
C8	08 Feb 2021	Wind Speed (kts)	6
C8	08 Feb 2021	Wind Dir	E
C8	08 Feb 2021	Water Color	Greenish-Blue
C8	08 Feb 2021	Wave Ht Low (ft)	3
C8	08 Feb 2021	Wave Period (sec)	13
C8	08 Feb 2021	Sea State	Calm
C8	08 Feb 2021	High Tide (ft)	5.84
C8	08 Feb 2021	High Tide Time	611
C8	08 Feb 2021	Low Tide (ft)	-1.18
C8	08 Feb 2021	Low Tide Time	1337
C8	08 Feb 2021	Comments	none
C8	18 Feb 2021	Depth (m)	19
C8	18 Feb 2021	Arrive Time	905
C8	18 Feb 2021	Depart Time	909

Station	Date	Parameter	Value
C8	18 Feb 2021	Air Temp (C)	16
C8	18 Feb 2021	Weather	Haze
C8	18 Feb 2021	Visibility (mi)	9
C8	18 Feb 2021	Wind Speed (kts)	6
C8	18 Feb 2021	Wind Dir	E
C8	18 Feb 2021	Water Color	Green
C8	18 Feb 2021	Wave Ht Low (ft)	3
C8	18 Feb 2021	Wave Period (sec)	9
C8	18 Feb 2021	Sea State	Calm
C8	18 Feb 2021	High Tide (ft)	2.48
C8	18 Feb 2021	High Tide Time	1340
C8	18 Feb 2021	Low Tide (ft)	1.56
C8	18 Feb 2021	Low Tide Time	806
C8	18 Feb 2021	Comments	Kelp
C8	22 Feb 2021	Depth (m)	20
C8	22 Feb 2021	Arrive Time	843
C8	22 Feb 2021	Depart Time	847
C8	22 Feb 2021	Air Temp (C)	14
C8	22 Feb 2021	Weather	Haze
C8	22 Feb 2021	Visibility (mi)	12
C8	22 Feb 2021	Wind Speed (kts)	3
C8	22 Feb 2021	Wind Dir	N
C8	22 Feb 2021	Water Color	Green
C8	22 Feb 2021	Wave Ht Low (ft)	3
C8	22 Feb 2021	Wave Period (sec)	11
C8	22 Feb 2021	Sea State	Calm
C8	22 Feb 2021	High Tide (ft)	4.65
C8	22 Feb 2021	High Tide Time	514
C8	22 Feb 2021	Low Tide (ft)	-0.13
C8	22 Feb 2021	Low Tide Time	1254
C8	22 Feb 2021	Comments	Kelp

**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	01 Feb 2021	1	14.42	80.55	7.8	33.52	8.2	25.0	2.54
A1	01 Feb 2021	2	14.41	80.39	7.8	33.52	8.2	25.0	2.69
A1	01 Feb 2021	3	14.41	80.55	7.8	33.52	8.2	25.0	2.78
A1	01 Feb 2021	4	14.41	80.45	7.8	33.52	8.2	25.0	2.93
A1	01 Feb 2021	5	14.41	80.44	7.8	33.52	8.2	25.0	3.05
A1	01 Feb 2021	6	14.41	80.37	7.9	33.52	8.2	25.0	3.08
A1	01 Feb 2021	7	14.41	80.44	7.8	33.52	8.2	25.0	2.95
A1	01 Feb 2021	8	14.39	80.78	7.8	33.52	8.1	25.0	2.86
A1	01 Feb 2021	9	14.39	80.99	7.8	33.52	8.1	25.0	2.72
A1	01 Feb 2021	10	14.39	80.96	7.8	33.52	8.1	25.0	2.66
A1	01 Feb 2021	11	14.38	81.05	7.8	33.52	8.1	25.0	2.42
A1	01 Feb 2021	12	14.36	81.60	7.7	33.53	8.1	25.0	2.14
A1	01 Feb 2021	13	14.28	82.27	7.5	33.54	8.1	25.0	1.77
A1	01 Feb 2021	14	14.23	82.92	7.3	33.55	8.1	25.0	1.54
A1	01 Feb 2021	15	13.99	83.67	7.0	33.56	8.1	25.1	1.19
A1	01 Feb 2021	16	13.89	84.13	6.9	33.56	8.1	25.1	1.01
A1	01 Feb 2021	17	13.89	84.28	6.8	33.56	8.1	25.1	0.95
A1	01 Feb 2021	18	13.86	83.53	6.8	33.56	8.1	25.1	0.95
A1	08 Feb 2021	1	14.44	76.77	7.4	33.53	8.1	25.0	2.33
A1	08 Feb 2021	2	14.44	76.04	7.4	33.53	8.1	25.0	2.41
A1	08 Feb 2021	3	14.43	76.78	7.4	33.53	8.1	25.0	2.46
A1	08 Feb 2021	4	14.43	77.17	7.4	33.54	8.1	25.0	2.44
A1	08 Feb 2021	5	14.38	77.27	7.3	33.54	8.1	25.0	2.35
A1	08 Feb 2021	6	14.37	77.66	7.3	33.54	8.1	25.0	2.23
A1	08 Feb 2021	7	14.37	77.97	7.4	33.54	8.1	25.0	2.20
A1	08 Feb 2021	8	14.36	78.23	7.4	33.54	8.1	25.0	2.24
A1	08 Feb 2021	9	14.36	78.22	7.4	33.54	8.1	25.0	2.26
A1	08 Feb 2021	10	14.35	78.24	7.4	33.54	8.1	25.0	2.22
A1	08 Feb 2021	11	14.34	78.48	7.4	33.54	8.1	25.0	2.16
A1	08 Feb 2021	12	14.34	78.78	7.4	33.54	8.1	25.0	2.17
A1	08 Feb 2021	13	14.33	78.92	7.4	33.54	8.1	25.0	2.16
A1	08 Feb 2021	14	14.33	78.80	7.5	33.54	8.1	25.0	2.14
A1	08 Feb 2021	15	14.28	79.04	7.4	33.55	8.1	25.0	2.05
A1	08 Feb 2021	16	14.22	79.37	7.4	33.55	8.1	25.0	1.99
A1	08 Feb 2021	17	14.04	80.21	7.1	33.57	8.1	25.1	1.80
A1	08 Feb 2021	18	13.77	80.97	6.7	33.58	8.1	25.1	1.59
A1	08 Feb 2021	19	13.49	82.12	6.3	33.59	8.0	25.2	1.27
A1	18 Feb 2021	1	14.47	73.17	8.5	33.53	8.2	25.0	3.01
A1	18 Feb 2021	2	14.46	70.84	8.5	33.54	8.2	25.0	3.16
A1	18 Feb 2021	3	14.46	72.88	8.5	33.54	8.2	25.0	3.98
A1	18 Feb 2021	4	14.45	73.05	8.5	33.54	8.2	25.0	5.16
A1	18 Feb 2021	5	14.45	73.15	8.5	33.54	8.2	25.0	5.96
A1	18 Feb 2021	6	14.45	72.79	8.4	33.54	8.2	25.0	6.11
A1	18 Feb 2021	7	14.45	73.15	8.4	33.54	8.2	25.0	6.15
A1	18 Feb 2021	8	14.44	73.27	8.4	33.54	8.2	25.0	6.01
A1	18 Feb 2021	9	14.44	73.36	8.4	33.54	8.2	25.0	5.90
A1	18 Feb 2021	10	14.44	73.38	8.4	33.54	8.2	25.0	5.87
A1	18 Feb 2021	11	14.44	73.53	8.4	33.54	8.2	25.0	5.72
A1	18 Feb 2021	12	14.42	73.69	8.3	33.54	8.2	25.0	5.49
A1	18 Feb 2021	13	14.33	74.58	8.2	33.54	8.2	25.0	5.19
A1	18 Feb 2021	14	14.27	75.26	8.0	33.54	8.2	25.0	4.93
A1	18 Feb 2021	15	14.14	76.19	7.6	33.55	8.2	25.0	4.03
A1	18 Feb 2021	16	14.00	78.13	7.3	33.56	8.1	25.1	3.24
A1	18 Feb 2021	17	13.54	79.83	6.6	33.62	8.1	25.2	2.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	18 Feb 2021	18	13.20	80.98	6.3	33.61	8.1	25.3	1.63
A1	22 Feb 2021	1	13.99	76.94	8.6	33.56	8.2	25.1	2.47
A1	22 Feb 2021	2	13.99	76.96	8.7	33.56	8.2	25.1	2.44
A1	22 Feb 2021	3	13.94	77.08	8.6	33.55	8.2	25.1	2.76
A1	22 Feb 2021	4	13.92	77.82	8.5	33.55	8.2	25.1	3.08
A1	22 Feb 2021	5	13.86	77.14	8.3	33.55	8.2	25.1	3.11
A1	22 Feb 2021	6	13.81	78.63	8.2	33.54	8.2	25.1	3.17
A1	22 Feb 2021	7	13.59	79.45	7.5	33.55	8.1	25.2	2.83
A1	22 Feb 2021	8	13.12	81.70	6.5	33.56	8.1	25.3	2.28
A1	22 Feb 2021	9	12.69	83.54	6.0	33.57	8.0	25.3	1.86
A1	22 Feb 2021	10	12.47	84.65	5.6	33.60	8.0	25.4	1.48
A1	22 Feb 2021	11	12.26	85.48	5.3	33.62	7.9	25.5	1.13
A1	22 Feb 2021	12	12.19	85.86	5.2	33.62	7.9	25.5	0.90
A1	22 Feb 2021	13	12.06	85.86	5.0	33.66	7.9	25.5	0.80
A1	22 Feb 2021	14	11.97	85.78	4.9	33.67	7.9	25.6	0.78
A1	22 Feb 2021	15	11.93	85.60	4.8	33.68	7.9	25.6	0.73
A1	22 Feb 2021	16	11.87	85.34	4.7	33.69	7.9	25.6	0.69
A1	22 Feb 2021	17	11.76	85.16	4.6	33.72	7.9	25.6	0.63
A1	22 Feb 2021	18	11.66	84.67	4.5	33.73	7.8	25.7	0.58
A1	22 Feb 2021	19	11.59	83.76	4.4	33.74	7.8	25.7	0.52
A6	01 Feb 2021	1	14.58	77.53	8.2	33.47	8.2	24.9	2.38
A6	01 Feb 2021	2	14.58	77.47	8.2	33.47	8.2	24.9	2.68
A6	01 Feb 2021	3	14.56	77.31	8.2	33.47	8.2	24.9	3.17
A6	01 Feb 2021	4	14.55	77.31	8.2	33.48	8.2	24.9	3.52
A6	01 Feb 2021	5	14.53	77.39	8.1	33.48	8.2	24.9	3.56
A6	01 Feb 2021	6	14.52	77.79	8.1	33.49	8.2	24.9	3.55
A6	01 Feb 2021	7	14.52	77.98	8.1	33.49	8.2	24.9	3.58
A6	01 Feb 2021	8	14.49	78.34	8.0	33.50	8.2	24.9	3.35
A6	01 Feb 2021	9	14.46	78.74	7.9	33.51	8.2	24.9	3.17
A6	01 Feb 2021	10	14.42	79.52	7.8	33.51	8.2	24.9	2.91
A6	01 Feb 2021	11	14.38	80.20	7.8	33.52	8.2	25.0	2.69
A6	01 Feb 2021	12	14.35	81.03	7.8	33.52	8.2	25.0	2.42
A6	01 Feb 2021	13	14.30	81.39	7.6	33.53	8.2	25.0	2.09
A6	01 Feb 2021	14	14.20	82.13	7.4	33.54	8.1	25.0	1.73
A6	01 Feb 2021	15	14.17	82.93	7.3	33.54	8.1	25.0	1.59
A6	01 Feb 2021	16	14.15	83.12	7.2	33.54	8.1	25.0	1.42
A6	01 Feb 2021	17	14.04	83.19	7.1	33.56	8.1	25.1	1.28
A6	01 Feb 2021	18	13.94	83.61	6.9	33.56	8.1	25.1	1.12
A6	01 Feb 2021	19	13.90	83.93	6.8	33.56	8.1	25.1	1.09
A6	01 Feb 2021	20	13.88	83.73	6.9	33.56	8.1	25.1	1.09
A6	01 Feb 2021	21	13.89	83.41	6.9	33.56	8.1	25.1	1.09
A6	08 Feb 2021	1	14.56	74.48	8.6	33.53	8.2	24.9	3.71
A6	08 Feb 2021	2	14.55	75.47	8.5	33.53	8.2	24.9	4.13
A6	08 Feb 2021	3	14.55	78.04	8.5	33.53	8.2	24.9	4.40
A6	08 Feb 2021	4	14.52	78.16	8.4	33.53	8.2	24.9	4.56
A6	08 Feb 2021	5	14.46	78.00	8.3	33.54	8.2	25.0	4.43
A6	08 Feb 2021	6	14.38	79.33	8.1	33.53	8.2	25.0	3.93
A6	08 Feb 2021	7	14.35	80.95	8.0	33.54	8.2	25.0	3.54
A6	08 Feb 2021	8	14.19	81.10	7.6	33.55	8.2	25.0	2.99
A6	08 Feb 2021	9	13.94	82.26	7.2	33.56	8.1	25.1	2.25
A6	08 Feb 2021	10	13.81	83.58	7.0	33.57	8.1	25.1	1.76
A6	08 Feb 2021	11	13.65	83.17	6.8	33.57	8.1	25.2	1.55
A6	08 Feb 2021	12	13.61	83.49	6.7	33.57	8.1	25.2	1.44
A6	08 Feb 2021	13	13.56	83.49	6.6	33.58	8.1	25.2	1.36
A6	08 Feb 2021	14	13.46	84.02	6.5	33.58	8.1	25.2	1.28
A6	08 Feb 2021	15	13.38	84.45	6.3	33.59	8.0	25.2	1.18
A6	08 Feb 2021	16	13.21	84.76	6.1	33.60	8.0	25.3	1.04
A6	08 Feb 2021	17	13.13	84.68	6.0	33.61	8.0	25.3	0.94



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A6	08 Feb 2021	18	13.09	84.76	5.9	33.60	8.0	25.3	0.88
A6	08 Feb 2021	19	13.12	85.09	5.9	33.60	8.0	25.3	0.80
A6	08 Feb 2021	20	13.10	85.17	5.9	33.61	8.0	25.3	0.76
A6	08 Feb 2021	21	13.05	84.82	5.9	33.61	8.0	25.3	0.74
A6	18 Feb 2021	1	14.53	71.33	8.7	33.54	8.2	24.9	4.74
A6	18 Feb 2021	2	14.54	70.98	8.7	33.54	8.2	24.9	4.79
A6	18 Feb 2021	3	14.53	71.49	8.7	33.54	8.2	24.9	5.38
A6	18 Feb 2021	4	14.52	72.19	8.7	33.54	8.2	24.9	6.01
A6	18 Feb 2021	5	14.51	72.83	8.6	33.54	8.2	24.9	6.22
A6	18 Feb 2021	6	14.49	73.60	8.5	33.54	8.1	25.0	5.97
A6	18 Feb 2021	7	14.42	74.91	8.2	33.55	8.1	25.0	5.36
A6	18 Feb 2021	8	14.23	77.69	7.8	33.56	8.1	25.0	4.10
A6	18 Feb 2021	9	14.20	78.34	7.6	33.55	8.1	25.0	3.41
A6	18 Feb 2021	10	14.10	79.59	7.5	33.57	8.1	25.1	2.86
A6	18 Feb 2021	11	14.03	80.23	7.4	33.56	8.1	25.1	2.44
A6	18 Feb 2021	12	14.00	80.38	7.3	33.57	8.1	25.1	2.24
A6	18 Feb 2021	13	13.95	80.44	7.3	33.57	8.1	25.1	2.12
A6	18 Feb 2021	14	13.95	80.20	7.3	33.57	8.1	25.1	2.13
A6	18 Feb 2021	15	13.96	80.23	7.2	33.57	8.1	25.1	2.14
A6	18 Feb 2021	16	13.94	80.07	7.1	33.58	8.1	25.1	2.10
A6	18 Feb 2021	17	13.59	80.06	6.6	33.62	8.0	25.2	1.82
A6	18 Feb 2021	18	13.19	80.24	6.2	33.64	8.0	25.3	1.43
A6	22 Feb 2021	1	14.21	73.57	8.1	33.58	8.1	25.0	1.87
A6	22 Feb 2021	2	14.20	73.21	8.1	33.59	8.1	25.1	2.24
A6	22 Feb 2021	3	14.19	72.74	8.1	33.59	8.1	25.1	2.61
A6	22 Feb 2021	4	14.13	73.40	8.0	33.59	8.1	25.1	2.74
A6	22 Feb 2021	5	13.93	74.01	7.6	33.60	8.1	25.1	2.74
A6	22 Feb 2021	6	13.78	75.43	7.3	33.60	8.1	25.1	2.38
A6	22 Feb 2021	7	13.69	77.04	7.1	33.59	8.0	25.2	2.05
A6	22 Feb 2021	8	13.59	78.53	6.9	33.60	8.0	25.2	1.78
A6	22 Feb 2021	9	13.50	79.70	6.8	33.59	8.0	25.2	1.72
A6	22 Feb 2021	10	13.42	80.16	6.6	33.60	8.0	25.2	1.57
A6	22 Feb 2021	11	13.15	80.77	6.2	33.62	8.0	25.3	1.36
A6	22 Feb 2021	12	12.69	82.15	5.6	33.68	7.9	25.4	1.14
A6	22 Feb 2021	13	12.10	82.47	4.9	33.71	7.9	25.6	0.87
A6	22 Feb 2021	14	11.88	82.72	4.6	33.71	7.8	25.6	0.70
A6	22 Feb 2021	15	11.81	82.94	4.5	33.72	7.8	25.6	0.63
A6	22 Feb 2021	16	11.79	82.86	4.5	33.71	7.8	25.6	0.60
A6	22 Feb 2021	17	11.79	82.88	4.5	33.71	7.8	25.6	0.59
A6	22 Feb 2021	18	11.77	82.65	4.5	33.71	7.8	25.6	0.57
A6	22 Feb 2021	19	11.76	82.72	4.5	33.72	7.8	25.6	0.57
A7	01 Feb 2021	1	14.55	79.95	7.9	33.52	8.2	24.9	2.07
A7	01 Feb 2021	2	14.55	79.54	7.9	33.52	8.2	24.9	2.17
A7	01 Feb 2021	3	14.55	79.46	7.9	33.52	8.2	24.9	2.38
A7	01 Feb 2021	4	14.51	79.94	7.8	33.52	8.2	24.9	2.43
A7	01 Feb 2021	5	14.47	80.47	7.7	33.52	8.2	24.9	2.32
A7	01 Feb 2021	6	14.44	80.79	7.7	33.53	8.2	25.0	2.27
A7	01 Feb 2021	7	14.38	81.16	7.7	33.53	8.2	25.0	2.12
A7	01 Feb 2021	8	14.35	81.72	7.6	33.53	8.2	25.0	2.04
A7	01 Feb 2021	9	14.33	82.23	7.6	33.53	8.1	25.0	1.97
A7	01 Feb 2021	10	14.31	82.49	7.6	33.54	8.1	25.0	1.89
A7	01 Feb 2021	11	14.30	82.54	7.6	33.54	8.1	25.0	1.86
A7	01 Feb 2021	12	14.25	82.65	7.4	33.54	8.1	25.0	1.82
A7	01 Feb 2021	13	14.19	82.78	7.3	33.55	8.1	25.0	1.64
A7	01 Feb 2021	14	14.12	83.39	7.2	33.55	8.1	25.0	1.44
A7	01 Feb 2021	15	14.10	83.59	7.1	33.55	8.1	25.0	1.28
A7	01 Feb 2021	16	14.07	83.86	7.1	33.55	8.1	25.1	1.19
A7	01 Feb 2021	17	14.06	83.95	7.0	33.55	8.1	25.1	1.14

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	01 Feb 2021	18	14.06	83.97	7.0	33.55	8.1	25.1	1.14
A7	01 Feb 2021	19	14.02	84.16	6.9	33.55	8.1	25.1	1.03
A7	01 Feb 2021	20	13.87	84.32	6.8	33.57	8.1	25.1	0.92
A7	08 Feb 2021	1	14.41	80.06	8.1	33.53	8.2	25.0	2.72
A7	08 Feb 2021	2	14.41	79.11	8.1	33.53	8.2	25.0	2.88
A7	08 Feb 2021	3	14.41	80.18	8.1	33.53	8.2	25.0	3.00
A7	08 Feb 2021	4	14.41	80.09	8.1	33.53	8.2	25.0	3.16
A7	08 Feb 2021	5	14.41	80.09	8.1	33.53	8.2	25.0	3.15
A7	08 Feb 2021	6	14.40	80.21	8.1	33.53	8.2	25.0	3.06
A7	08 Feb 2021	7	14.40	80.19	8.0	33.53	8.2	25.0	3.00
A7	08 Feb 2021	8	14.38	80.33	7.9	33.54	8.2	25.0	2.71
A7	08 Feb 2021	9	14.33	80.91	7.8	33.54	8.1	25.0	2.47
A7	08 Feb 2021	10	14.31	81.68	7.6	33.54	8.1	25.0	2.22
A7	08 Feb 2021	11	14.28	81.87	7.6	33.54	8.1	25.0	2.01
A7	08 Feb 2021	12	14.26	82.09	7.4	33.54	8.1	25.0	1.88
A7	08 Feb 2021	13	14.12	82.52	7.0	33.56	8.1	25.0	1.60
A7	08 Feb 2021	14	13.92	82.88	6.4	33.56	8.1	25.1	1.24
A7	08 Feb 2021	15	13.85	83.67	6.0	33.56	8.0	25.1	1.01
A7	08 Feb 2021	16	13.78	84.14	5.8	33.57	8.0	25.1	0.85
A7	08 Feb 2021	17	13.56	84.65	5.6	33.59	8.0	25.2	0.72
A7	08 Feb 2021	18	13.34	84.84	5.6	33.59	8.0	25.2	0.70
A7	08 Feb 2021	19	13.29	85.17	5.7	33.59	8.0	25.2	0.69
A7	08 Feb 2021	20	13.23	85.14	5.7	33.59	8.0	25.3	0.70
A7	18 Feb 2021	1	14.55	69.77	8.3	33.55	8.1	24.9	6.80
A7	18 Feb 2021	2	14.54	69.85	8.3	33.55	8.1	25.0	7.35
A7	18 Feb 2021	3	14.52	70.54	8.3	33.55	8.1	25.0	7.33
A7	18 Feb 2021	4	14.52	71.57	8.3	33.54	8.1	25.0	7.35
A7	18 Feb 2021	5	14.52	71.70	8.3	33.55	8.1	25.0	7.63
A7	18 Feb 2021	6	14.52	71.69	8.3	33.55	8.1	25.0	7.49
A7	18 Feb 2021	7	14.51	72.05	8.3	33.55	8.1	25.0	7.46
A7	18 Feb 2021	8	14.50	72.06	8.3	33.55	8.1	25.0	6.82
A7	18 Feb 2021	9	14.42	72.39	8.2	33.55	8.1	25.0	6.03
A7	18 Feb 2021	10	14.41	73.29	8.1	33.55	8.1	25.0	5.33
A7	18 Feb 2021	11	14.36	73.93	8.0	33.55	8.1	25.0	4.88
A7	18 Feb 2021	12	14.27	75.07	7.8	33.56	8.1	25.0	4.42
A7	18 Feb 2021	13	14.21	75.70	7.6	33.56	8.1	25.0	3.88
A7	18 Feb 2021	14	14.08	76.61	7.4	33.58	8.1	25.1	3.17
A7	18 Feb 2021	15	13.87	77.82	7.0	33.59	8.1	25.1	2.38
A7	18 Feb 2021	16	13.75	79.72	6.8	33.59	8.0	25.2	1.93
A7	18 Feb 2021	17	13.76	79.57	6.8	33.59	8.0	25.1	1.86
A7	18 Feb 2021	18	13.60	79.94	6.6	33.61	8.0	25.2	1.66
A7	18 Feb 2021	19	13.63	81.88	6.6	33.60	8.0	25.2	1.54
A7	22 Feb 2021	1	14.04	67.65	8.9	33.54	8.2	25.1	6.97
A7	22 Feb 2021	2	13.99	68.45	8.7	33.55	8.1	25.1	8.06
A7	22 Feb 2021	3	13.94	69.93	8.5	33.55	8.1	25.1	8.96
A7	22 Feb 2021	4	13.90	71.09	8.3	33.55	8.1	25.1	8.20
A7	22 Feb 2021	5	13.87	72.59	8.2	33.55	8.1	25.1	7.32
A7	22 Feb 2021	6	13.83	73.60	8.0	33.54	8.1	25.1	6.15
A7	22 Feb 2021	7	13.62	75.25	7.4	33.56	8.1	25.2	4.74
A7	22 Feb 2021	8	13.24	80.08	6.8	33.57	8.0	25.2	2.95
A7	22 Feb 2021	9	13.09	81.18	6.3	33.58	8.0	25.3	2.13
A7	22 Feb 2021	10	12.78	82.82	5.8	33.63	7.9	25.4	1.54
A7	22 Feb 2021	11	12.43	84.07	5.4	33.64	7.9	25.4	1.19
A7	22 Feb 2021	12	12.39	84.18	5.2	33.64	7.9	25.5	1.03
A7	22 Feb 2021	13	11.94	84.39	4.8	33.70	7.8	25.6	0.85
A7	22 Feb 2021	14	12.00	84.32	4.8	33.68	7.8	25.6	0.79
A7	22 Feb 2021	15	11.95	84.24	4.8	33.70	7.8	25.6	0.73
A7	22 Feb 2021	16	11.78	84.54	4.6	33.72	7.8	25.6	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	22 Feb 2021	17	11.67	84.40	4.4	33.73	7.8	25.7	0.61
A7	22 Feb 2021	18	11.55	84.01	4.3	33.75	7.8	25.7	0.56
A7	22 Feb 2021	19	11.56	83.29	4.3	33.75	7.8	25.7	0.53
A7	22 Feb 2021	20	11.53	83.01	4.2	33.76	7.8	25.7	0.52
C4	01 Feb 2021	1	14.56	79.29	7.8	33.52	8.2	24.9	1.56
C4	01 Feb 2021	2	14.49	79.23	7.8	33.53	8.2	24.9	1.72
C4	01 Feb 2021	3	14.41	78.80	7.8	33.52	8.2	25.0	2.13
C4	01 Feb 2021	4	14.41	78.14	7.8	33.52	8.2	25.0	2.55
C4	01 Feb 2021	5	14.40	77.90	7.7	33.52	8.2	25.0	2.73
C4	01 Feb 2021	6	14.36	77.67	7.5	33.52	8.2	25.0	2.44
C4	01 Feb 2021	7	14.33	78.38	7.3	33.52	8.2	25.0	2.16
C4	01 Feb 2021	8	14.32	79.28	7.2	33.53	8.1	25.0	1.86
C4	01 Feb 2021	9	14.31	80.65	7.1	33.53	8.1	25.0	1.55
C4	01 Feb 2021	10	14.29	81.41	7.1	33.53	8.1	25.0	1.28
C4	01 Feb 2021	11	14.29	80.87	7.1	33.53	8.1	25.0	1.16
C4	08 Feb 2021	1	14.34	81.75	7.4	33.54	8.1	25.0	1.29
C4	08 Feb 2021	2	14.34	81.67	7.4	33.54	8.1	25.0	1.39
C4	08 Feb 2021	3	14.33	81.49	7.4	33.54	8.1	25.0	1.58
C4	08 Feb 2021	4	14.31	81.03	7.4	33.54	8.1	25.0	1.74
C4	08 Feb 2021	5	14.28	80.90	7.3	33.55	8.1	25.0	1.78
C4	08 Feb 2021	6	14.26	80.93	7.3	33.55	8.1	25.0	1.78
C4	08 Feb 2021	7	14.22	80.98	7.2	33.55	8.1	25.0	1.63
C4	08 Feb 2021	8	14.16	81.13	7.0	33.55	8.1	25.0	1.53
C4	08 Feb 2021	9	14.07	82.01	6.6	33.56	8.1	25.1	1.26
C4	08 Feb 2021	10	13.92	82.48	6.2	33.56	8.1	25.1	0.93
C4	08 Feb 2021	11	13.91	82.26	6.1	33.56	8.1	25.1	0.79
C4	18 Feb 2021	1	14.65	63.64	7.9	33.57	8.1	24.9	0.63
C4	18 Feb 2021	2	14.61	62.54	7.9	33.57	8.1	25.0	0.63
C4	18 Feb 2021	3	14.57	59.57	7.8	33.56	8.1	25.0	0.78
C4	18 Feb 2021	4	14.56	57.56	7.7	33.56	8.1	25.0	0.91
C4	18 Feb 2021	5	14.55	57.80	7.6	33.56	8.1	25.0	0.96
C4	18 Feb 2021	6	14.53	59.47	7.5	33.56	8.1	25.0	0.96
C4	18 Feb 2021	7	14.53	61.20	7.6	33.56	8.1	25.0	0.95
C4	18 Feb 2021	8	14.50	61.23	7.4	33.57	8.1	25.0	0.90
C4	18 Feb 2021	9	14.30	63.01	7.1	33.59	8.1	25.0	0.84
C4	18 Feb 2021	10	14.26	64.42	6.9	33.57	8.0	25.0	0.73
C4	18 Feb 2021	11	14.07	56.88	6.6	33.60	8.0	25.1	0.72
C4	22 Feb 2021	1	14.22	75.72	8.1	33.59	8.1	25.1	1.29
C4	22 Feb 2021	2	14.11	74.90	8.0	33.60	8.1	25.1	1.47
C4	22 Feb 2021	3	14.07	74.22	7.9	33.60	8.1	25.1	1.95
C4	22 Feb 2021	4	14.05	73.58	7.9	33.60	8.1	25.1	2.75
C4	22 Feb 2021	5	14.02	73.19	7.9	33.59	8.1	25.1	3.56
C4	22 Feb 2021	6	13.92	73.16	7.6	33.60	8.1	25.1	4.09
C4	22 Feb 2021	7	13.79	74.35	7.2	33.60	8.1	25.2	3.72
C4	22 Feb 2021	8	13.64	75.72	6.4	33.63	8.0	25.2	2.48
C4	22 Feb 2021	9	13.12	77.86	5.5	33.64	7.9	25.3	1.33
C4	22 Feb 2021	10	12.96	76.90	5.1	33.63	7.9	25.3	0.76
C4	22 Feb 2021	11	12.95	75.37	5.1	33.62	7.9	25.3	0.63
C4	22 Feb 2021	12	12.96	74.99	5.2	33.62	7.9	25.3	0.54
C5	01 Feb 2021	1	14.64	74.08	7.4	33.51	8.1	24.9	0.97
C5	01 Feb 2021	2	14.61	73.56	7.4	33.52	8.1	24.9	1.06
C5	01 Feb 2021	3	14.55	72.69	7.4	33.52	8.1	24.9	1.25
C5	01 Feb 2021	4	14.53	71.64	7.3	33.52	8.1	24.9	1.31
C5	01 Feb 2021	5	14.53	70.68	7.3	33.51	8.1	24.9	1.28
C5	01 Feb 2021	6	14.53	68.95	7.3	33.51	8.1	24.9	1.25
C5	01 Feb 2021	7	14.52	68.30	7.3	33.51	8.1	24.9	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	01 Feb 2021	8	14.52	68.14	7.3	33.51	8.1	24.9	1.21
C5	01 Feb 2021	9	14.52	66.98	7.3	33.51	8.1	24.9	1.22
C5	01 Feb 2021	10	14.52	65.27	7.3	33.51	8.1	24.9	1.20
C5	01 Feb 2021	11	14.52	65.89	7.3	33.52	8.1	24.9	1.18
C5	08 Feb 2021	1	14.36	81.61	7.5	33.54	8.1	25.0	1.54
C5	08 Feb 2021	2	14.35	81.47	7.5	33.54	8.1	25.0	1.53
C5	08 Feb 2021	3	14.34	80.14	7.5	33.54	8.1	25.0	1.68
C5	08 Feb 2021	4	14.34	76.56	7.5	33.54	8.1	25.0	1.83
C5	08 Feb 2021	5	14.34	76.95	7.5	33.54	8.1	25.0	1.85
C5	08 Feb 2021	6	14.33	79.33	7.5	33.54	8.1	25.0	1.82
C5	08 Feb 2021	7	14.33	80.75	7.5	33.54	8.1	25.0	1.80
C5	08 Feb 2021	8	14.33	81.16	7.5	33.54	8.1	25.0	1.65
C5	08 Feb 2021	9	14.33	82.39	7.4	33.54	8.1	25.0	1.54
C5	08 Feb 2021	10	14.33	82.76	7.5	33.54	8.1	25.0	1.37
C5	18 Feb 2021	1	14.60	70.42	7.6	33.56	8.1	24.9	0.63
C5	18 Feb 2021	2	14.57	70.01	7.6	33.56	8.1	25.0	0.67
C5	18 Feb 2021	3	14.50	70.09	7.5	33.56	8.1	25.0	0.77
C5	18 Feb 2021	4	14.49	70.83	7.4	33.56	8.1	25.0	0.79
C5	18 Feb 2021	5	14.35	72.35	7.1	33.57	8.1	25.0	0.74
C5	18 Feb 2021	6	14.32	74.46	6.9	33.56	8.0	25.0	0.67
C5	18 Feb 2021	7	14.24	76.37	6.8	33.57	8.0	25.0	0.64
C5	18 Feb 2021	8	14.23	75.63	6.7	33.57	8.0	25.0	0.64
C5	18 Feb 2021	9	14.19	74.35	6.7	33.57	8.0	25.0	0.67
C5	18 Feb 2021	10	14.17	72.02	6.6	33.57	8.0	25.1	0.66
C5	22 Feb 2021	1	14.46	73.58	7.7	33.59	8.1	25.0	0.77
C5	22 Feb 2021	2	14.38	73.55	7.5	33.60	8.1	25.0	0.84
C5	22 Feb 2021	3	14.34	71.46	7.4	33.60	8.1	25.0	0.91
C5	22 Feb 2021	4	14.18	70.90	7.2	33.61	8.1	25.1	0.87
C5	22 Feb 2021	5	13.90	72.68	6.6	33.62	8.0	25.1	0.75
C5	22 Feb 2021	6	13.43	75.56	6.0	33.62	8.0	25.2	0.65
C5	22 Feb 2021	7	13.26	77.94	5.8	33.62	7.9	25.3	0.63
C5	22 Feb 2021	8	13.16	78.47	5.7	33.62	7.9	25.3	0.61
C5	22 Feb 2021	9	12.95	77.52	5.5	33.63	7.9	25.3	0.68
C5	22 Feb 2021	10	12.78	77.91	5.4	33.63	7.9	25.4	0.66
C5	22 Feb 2021	11	12.67	79.62	5.2	33.63	7.9	25.4	0.66
C6	01 Feb 2021	1	14.62	80.75	8.0	33.48	8.2	24.9	1.11
C6	01 Feb 2021	2	14.61	80.24	8.0	33.49	8.2	24.9	1.16
C6	01 Feb 2021	3	14.58	80.72	8.0	33.49	8.2	24.9	1.26
C6	01 Feb 2021	4	14.54	80.65	7.9	33.50	8.2	24.9	1.35
C6	01 Feb 2021	5	14.53	81.07	7.8	33.50	8.2	24.9	1.32
C6	01 Feb 2021	6	14.50	81.90	7.6	33.51	8.2	24.9	1.16
C6	01 Feb 2021	7	14.47	83.44	7.4	33.52	8.2	24.9	1.01
C6	01 Feb 2021	8	14.42	84.47	7.3	33.53	8.1	25.0	0.90
C6	01 Feb 2021	9	14.38	84.36	7.3	33.53	8.1	25.0	0.84
C6	01 Feb 2021	10	14.38	84.02	7.3	33.53	8.1	25.0	0.83
C6	01 Feb 2021	11	14.38	83.77	7.3	33.53	8.1	25.0	0.81
C6	08 Feb 2021	1	14.96	79.91	8.1	33.54	8.2	24.9	0.73
C6	08 Feb 2021	2	14.95	79.82	8.1	33.54	8.2	24.9	0.79
C6	08 Feb 2021	3	14.89	79.67	8.0	33.54	8.2	24.9	0.92
C6	08 Feb 2021	4	14.81	79.70	7.9	33.54	8.2	24.9	1.03
C6	08 Feb 2021	5	14.70	79.77	8.0	33.54	8.2	24.9	1.24
C6	08 Feb 2021	6	14.66	79.84	7.9	33.54	8.2	24.9	1.41
C6	08 Feb 2021	7	14.41	80.35	7.4	33.55	8.2	25.0	1.28
C6	08 Feb 2021	8	14.09	82.10	6.7	33.56	8.1	25.1	0.87
C6	08 Feb 2021	9	14.03	83.38	6.5	33.55	8.1	25.1	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C6	18 Feb 2021	1	14.48	74.30	7.5	33.55	8.1	25.0	0.77
C6	18 Feb 2021	2	14.46	73.67	7.5	33.55	8.1	25.0	0.82
C6	18 Feb 2021	3	14.43	73.28	7.5	33.55	8.1	25.0	0.93
C6	18 Feb 2021	4	14.41	73.18	7.5	33.55	8.1	25.0	1.01
C6	18 Feb 2021	5	14.40	73.39	7.4	33.55	8.1	25.0	1.04
C6	18 Feb 2021	6	14.33	74.10	7.2	33.56	8.1	25.0	0.94
C6	18 Feb 2021	7	14.14	76.18	6.7	33.57	8.0	25.1	0.72
C6	18 Feb 2021	8	14.04	78.59	6.6	33.58	8.0	25.1	0.65
C6	18 Feb 2021	9	14.01	78.87	6.7	33.57	8.0	25.1	0.59
C6	22 Feb 2021	1	14.14	72.32	7.8	33.58	8.1	25.1	1.20
C6	22 Feb 2021	2	14.08	71.83	7.6	33.59	8.1	25.1	1.21
C6	22 Feb 2021	3	14.04	73.18	7.4	33.59	8.1	25.1	1.26
C6	22 Feb 2021	4	14.00	72.84	7.3	33.59	8.0	25.1	1.25
C6	22 Feb 2021	5	13.85	73.54	6.9	33.61	8.0	25.1	0.97
C6	22 Feb 2021	6	13.48	75.73	6.2	33.62	8.0	25.2	0.76
C6	22 Feb 2021	7	13.07	79.02	5.6	33.64	7.9	25.3	0.61
C6	22 Feb 2021	8	12.76	79.44	5.2	33.64	7.9	25.4	0.56
C6	22 Feb 2021	9	12.69	80.77	5.2	33.63	7.9	25.4	0.56
C7	01 Feb 2021	1	14.63	69.96	8.2	33.31	8.2	24.7	4.27
C7	01 Feb 2021	2	14.63	70.01	8.2	33.35	8.2	24.8	4.73
C7	01 Feb 2021	3	14.56	72.07	8.0	33.46	8.2	24.9	4.24
C7	01 Feb 2021	4	14.53	75.73	7.9	33.48	8.2	24.9	3.56
C7	01 Feb 2021	5	14.52	76.68	7.8	33.49	8.2	24.9	3.20
C7	01 Feb 2021	6	14.50	77.42	7.8	33.49	8.2	24.9	3.03
C7	01 Feb 2021	7	14.51	77.99	7.8	33.50	8.2	24.9	2.84
C7	01 Feb 2021	8	14.51	78.33	7.8	33.50	8.2	24.9	2.80
C7	01 Feb 2021	9	14.51	78.46	7.8	33.50	8.2	24.9	2.70
C7	01 Feb 2021	10	14.50	78.69	7.8	33.50	8.2	24.9	2.64
C7	01 Feb 2021	11	14.49	78.95	7.8	33.51	8.2	24.9	2.46
C7	01 Feb 2021	12	14.47	79.28	7.7	33.51	8.2	24.9	2.36
C7	01 Feb 2021	13	14.41	79.52	7.6	33.52	8.2	25.0	2.11
C7	01 Feb 2021	14	14.38	80.27	7.5	33.53	8.2	25.0	1.95
C7	01 Feb 2021	15	14.33	81.23	7.4	33.53	8.1	25.0	1.78
C7	01 Feb 2021	16	14.28	81.60	7.3	33.54	8.1	25.0	1.61
C7	01 Feb 2021	17	14.19	82.02	7.0	33.55	8.1	25.0	1.35
C7	01 Feb 2021	18	14.01	82.76	6.7	33.56	8.1	25.1	0.98
C7	08 Feb 2021	1	14.57	75.20	9.2	33.52	8.2	24.9	5.05
C7	08 Feb 2021	2	14.57	75.31	9.1	33.51	8.2	24.9	5.66
C7	08 Feb 2021	3	14.57	75.36	9.1	33.52	8.2	24.9	6.18
C7	08 Feb 2021	4	14.53	75.48	8.9	33.52	8.2	24.9	6.24
C7	08 Feb 2021	5	14.37	77.48	8.4	33.52	8.2	25.0	4.76
C7	08 Feb 2021	6	14.34	78.85	8.2	33.52	8.2	25.0	3.85
C7	08 Feb 2021	7	14.27	79.79	8.1	33.52	8.2	25.0	3.48
C7	08 Feb 2021	8	14.16	80.21	8.0	33.52	8.2	25.0	3.40
C7	08 Feb 2021	9	14.13	80.25	8.0	33.52	8.2	25.0	3.29
C7	08 Feb 2021	10	14.09	80.27	7.8	33.52	8.2	25.0	3.01
C7	08 Feb 2021	11	13.96	80.48	7.5	33.53	8.1	25.1	2.64
C7	08 Feb 2021	12	13.89	81.36	7.3	33.53	8.1	25.1	2.24
C7	08 Feb 2021	13	13.83	82.09	7.2	33.54	8.1	25.1	1.88
C7	08 Feb 2021	14	13.73	82.88	6.9	33.55	8.1	25.1	1.52
C7	08 Feb 2021	15	13.64	83.40	6.5	33.56	8.1	25.1	1.23
C7	08 Feb 2021	16	13.50	84.26	6.0	33.57	8.0	25.2	0.90
C7	08 Feb 2021	17	13.39	84.55	5.8	33.58	8.0	25.2	0.72
C7	08 Feb 2021	18	13.27	84.55	5.6	33.59	8.0	25.2	0.62
C7	18 Feb 2021	1	14.48	74.29	8.6	33.50	8.2	24.9	3.45
C7	18 Feb 2021	2	14.50	74.29	8.6	33.50	8.2	24.9	2.89
C7	18 Feb 2021	3	14.32	74.34	8.3	33.52	8.1	25.0	3.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	18 Feb 2021	4	14.24	75.49	8.0	33.51	8.1	25.0	4.00
C7	18 Feb 2021	5	14.13	77.06	7.8	33.52	8.1	25.0	3.89
C7	18 Feb 2021	6	14.06	78.28	7.6	33.52	8.1	25.0	3.79
C7	18 Feb 2021	7	13.95	79.48	7.4	33.53	8.1	25.1	3.28
C7	18 Feb 2021	8	13.84	80.89	7.2	33.53	8.1	25.1	2.61
C7	18 Feb 2021	9	13.76	81.64	7.0	33.55	8.0	25.1	2.01
C7	18 Feb 2021	10	13.65	82.36	6.8	33.56	8.0	25.1	1.69
C7	18 Feb 2021	11	13.66	82.43	6.7	33.55	8.0	25.1	1.52
C7	18 Feb 2021	12	13.44	82.48	6.4	33.58	8.0	25.2	1.29
C7	18 Feb 2021	13	13.31	82.65	6.2	33.59	8.0	25.2	1.11
C7	18 Feb 2021	14	13.26	82.85	6.1	33.59	8.0	25.2	0.96
C7	18 Feb 2021	15	13.25	82.98	6.0	33.59	8.0	25.3	0.83
C7	18 Feb 2021	16	13.16	83.09	5.8	33.60	8.0	25.3	0.77
C7	18 Feb 2021	17	12.80	83.12	5.3	33.65	7.9	25.4	0.67
C7	18 Feb 2021	18	12.56	83.19	5.0	33.67	7.9	25.4	0.60
C7	22 Feb 2021	2	13.70	75.41	7.3	33.57	8.0	25.1	3.05
C7	22 Feb 2021	3	13.42	76.51	6.7	33.58	8.0	25.2	2.99
C7	22 Feb 2021	4	13.24	77.45	6.4	33.57	8.0	25.2	2.66
C7	22 Feb 2021	5	13.10	79.44	6.2	33.58	7.9	25.3	2.28
C7	22 Feb 2021	6	13.01	81.61	6.0	33.58	7.9	25.3	1.84
C7	22 Feb 2021	7	12.98	82.40	5.8	33.59	7.9	25.3	1.57
C7	22 Feb 2021	8	12.80	82.29	5.6	33.62	7.9	25.4	1.23
C7	22 Feb 2021	9	12.80	82.61	5.5	33.61	7.9	25.4	1.10
C7	22 Feb 2021	10	12.64	82.77	5.3	33.65	7.9	25.4	1.00
C7	22 Feb 2021	11	12.31	82.72	5.0	33.66	7.8	25.5	0.87
C7	22 Feb 2021	12	12.12	83.14	4.9	33.67	7.8	25.5	0.74
C7	22 Feb 2021	13	11.92	84.36	4.7	33.69	7.8	25.6	0.69
C7	22 Feb 2021	14	11.73	84.82	4.6	33.71	7.8	25.6	0.63
C7	22 Feb 2021	15	11.73	84.77	4.5	33.71	7.8	25.6	0.59
C7	22 Feb 2021	16	11.67	84.63	4.5	33.73	7.8	25.7	0.60
C7	22 Feb 2021	17	11.63	84.40	4.4	33.73	7.8	25.7	0.56
C7	22 Feb 2021	18	11.62	84.27	4.4	33.73	7.8	25.7	0.54
C8	01 Feb 2021	1	14.50	68.78	8.5	33.25	8.2	24.7	4.81
C8	01 Feb 2021	2	14.59	69.56	8.3	33.40	8.2	24.8	5.10
C8	01 Feb 2021	3	14.64	72.26	8.3	33.47	8.2	24.9	4.98
C8	01 Feb 2021	4	14.63	74.20	8.2	33.49	8.2	24.9	4.93
C8	01 Feb 2021	5	14.64	75.55	8.2	33.50	8.2	24.9	4.64
C8	01 Feb 2021	6	14.63	76.38	8.1	33.51	8.2	24.9	4.29
C8	01 Feb 2021	7	14.61	76.98	8.1	33.51	8.2	24.9	4.04
C8	01 Feb 2021	8	14.57	77.34	8.0	33.51	8.2	24.9	4.05
C8	01 Feb 2021	9	14.53	77.16	8.0	33.50	8.2	24.9	4.22
C8	01 Feb 2021	10	14.51	77.15	8.1	33.49	8.2	24.9	4.32
C8	01 Feb 2021	11	14.46	77.16	8.1	33.49	8.2	24.9	4.30
C8	01 Feb 2021	12	14.42	77.63	8.1	33.49	8.2	24.9	4.04
C8	01 Feb 2021	13	14.41	78.21	8.1	33.49	8.2	24.9	3.68
C8	01 Feb 2021	14	14.37	79.21	8.0	33.51	8.2	25.0	3.23
C8	01 Feb 2021	15	14.36	79.86	7.9	33.52	8.2	25.0	2.79
C8	01 Feb 2021	16	14.36	80.03	7.8	33.52	8.2	25.0	2.44
C8	01 Feb 2021	17	14.36	79.78	7.6	33.53	8.2	25.0	2.18
C8	01 Feb 2021	18	14.33	79.52	7.3	33.53	8.2	25.0	1.91
C8	01 Feb 2021	19	14.07	79.97	6.9	33.58	8.1	25.1	1.51
C8	01 Feb 2021	20	13.96	78.24	6.7	33.57	8.1	25.1	1.26
C8	08 Feb 2021	1	14.32	70.35	8.3	33.44	8.2	24.9	4.84
C8	08 Feb 2021	2	14.32	70.36	8.3	33.44	8.2	24.9	4.85
C8	08 Feb 2021	3	14.32	70.41	8.3	33.44	8.2	24.9	6.09
C8	08 Feb 2021	4	14.32	70.12	8.3	33.46	8.2	24.9	6.99
C8	08 Feb 2021	5	14.33	70.92	8.3	33.48	8.2	24.9	6.23
C8	08 Feb 2021	6	14.31	73.79	8.3	33.51	8.2	25.0	4.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C8	08 Feb 2021	7	14.26	77.39	8.2	33.52	8.2	25.0	4.05
C8	08 Feb 2021	8	14.07	80.06	7.9	33.54	8.2	25.0	3.61
C8	08 Feb 2021	9	13.96	80.67	7.7	33.53	8.1	25.1	3.36
C8	08 Feb 2021	10	13.94	80.82	7.6	33.53	8.1	25.1	3.29
C8	08 Feb 2021	11	13.90	80.88	7.5	33.53	8.1	25.1	2.88
C8	08 Feb 2021	12	13.89	81.05	7.5	33.53	8.1	25.1	2.86
C8	08 Feb 2021	13	13.85	81.29	7.4	33.54	8.1	25.1	2.62
C8	08 Feb 2021	14	13.79	81.74	7.3	33.54	8.1	25.1	2.41
C8	08 Feb 2021	15	13.74	81.88	7.2	33.54	8.1	25.1	2.12
C8	08 Feb 2021	16	13.68	82.01	7.1	33.55	8.1	25.1	1.97
C8	08 Feb 2021	17	13.65	82.01	7.0	33.55	8.1	25.1	1.85
C8	08 Feb 2021	18	13.53	81.57	6.7	33.56	8.1	25.2	1.76
C8	08 Feb 2021	19	13.23	82.24	6.3	33.60	8.1	25.3	1.40
C8	18 Feb 2021	1	14.53	63.94	8.7	33.49	8.1	24.9	2.74
C8	18 Feb 2021	2	14.53	64.67	8.7	33.50	8.1	24.9	3.26
C8	18 Feb 2021	3	14.51	63.61	8.7	33.49	8.2	24.9	5.46
C8	18 Feb 2021	4	14.48	63.10	8.6	33.49	8.1	24.9	7.20
C8	18 Feb 2021	5	14.42	64.85	8.5	33.51	8.1	24.9	7.46
C8	18 Feb 2021	6	14.32	70.18	8.3	33.51	8.1	25.0	6.93
C8	18 Feb 2021	7	14.26	71.54	8.0	33.52	8.1	25.0	6.40
C8	18 Feb 2021	8	14.08	72.75	7.6	33.54	8.1	25.0	5.33
C8	18 Feb 2021	9	13.95	73.28	7.4	33.54	8.1	25.1	4.49
C8	18 Feb 2021	10	13.88	73.78	7.2	33.54	8.1	25.1	3.95
C8	18 Feb 2021	11	13.79	74.17	7.1	33.55	8.1	25.1	3.25
C8	18 Feb 2021	12	13.65	74.18	6.9	33.56	8.0	25.1	2.70
C8	18 Feb 2021	13	13.66	74.00	6.8	33.55	8.0	25.1	2.49
C8	18 Feb 2021	14	13.55	74.26	6.6	33.57	8.0	25.2	2.24
C8	18 Feb 2021	15	13.36	74.12	6.3	33.60	8.0	25.2	1.91
C8	18 Feb 2021	16	13.16	74.69	6.1	33.58	8.0	25.3	1.62
C8	18 Feb 2021	17	13.09	75.91	5.8	33.62	8.0	25.3	1.40
C8	18 Feb 2021	18	12.52	77.36	5.2	33.67	7.9	25.5	1.05
C8	18 Feb 2021	19	12.39	77.32	5.0	33.66	7.9	25.5	0.83
C8	22 Feb 2021	1	13.57	69.49	7.8	33.55	8.1	25.2	3.46
C8	22 Feb 2021	2	13.56	69.50	7.7	33.55	8.1	25.2	3.85
C8	22 Feb 2021	3	13.24	69.47	7.0	33.60	8.0	25.3	4.11
C8	22 Feb 2021	4	12.84	73.63	6.2	33.56	8.0	25.3	3.74
C8	22 Feb 2021	5	12.78	78.59	6.0	33.56	7.9	25.3	3.21
C8	22 Feb 2021	6	12.77	81.68	5.9	33.57	7.9	25.3	2.90
C8	22 Feb 2021	7	12.77	82.44	5.9	33.57	7.9	25.3	2.56
C8	22 Feb 2021	8	12.76	82.54	5.9	33.58	7.9	25.3	2.45
C8	22 Feb 2021	9	12.73	82.62	5.8	33.59	7.9	25.4	2.21
C8	22 Feb 2021	10	12.69	82.74	5.8	33.59	7.9	25.4	2.11
C8	22 Feb 2021	11	12.68	83.02	5.7	33.59	7.9	25.4	1.96
C8	22 Feb 2021	12	12.67	83.18	5.6	33.60	7.9	25.4	1.73
C8	22 Feb 2021	13	12.55	82.85	5.5	33.63	7.9	25.4	1.41
C8	22 Feb 2021	14	12.44	81.77	5.3	33.63	7.9	25.4	1.26
C8	22 Feb 2021	15	12.34	81.51	5.2	33.64	7.9	25.5	1.07
C8	22 Feb 2021	16	12.12	81.24	4.9	33.68	7.8	25.5	0.96
C8	22 Feb 2021	17	11.83	81.63	4.7	33.72	7.8	25.6	0.79
C8	22 Feb 2021	18	11.65	83.08	4.5	33.72	7.8	25.7	0.69
C8	22 Feb 2021	19	11.62	83.36	4.5	33.72	7.8	25.7	0.65

NA = not available

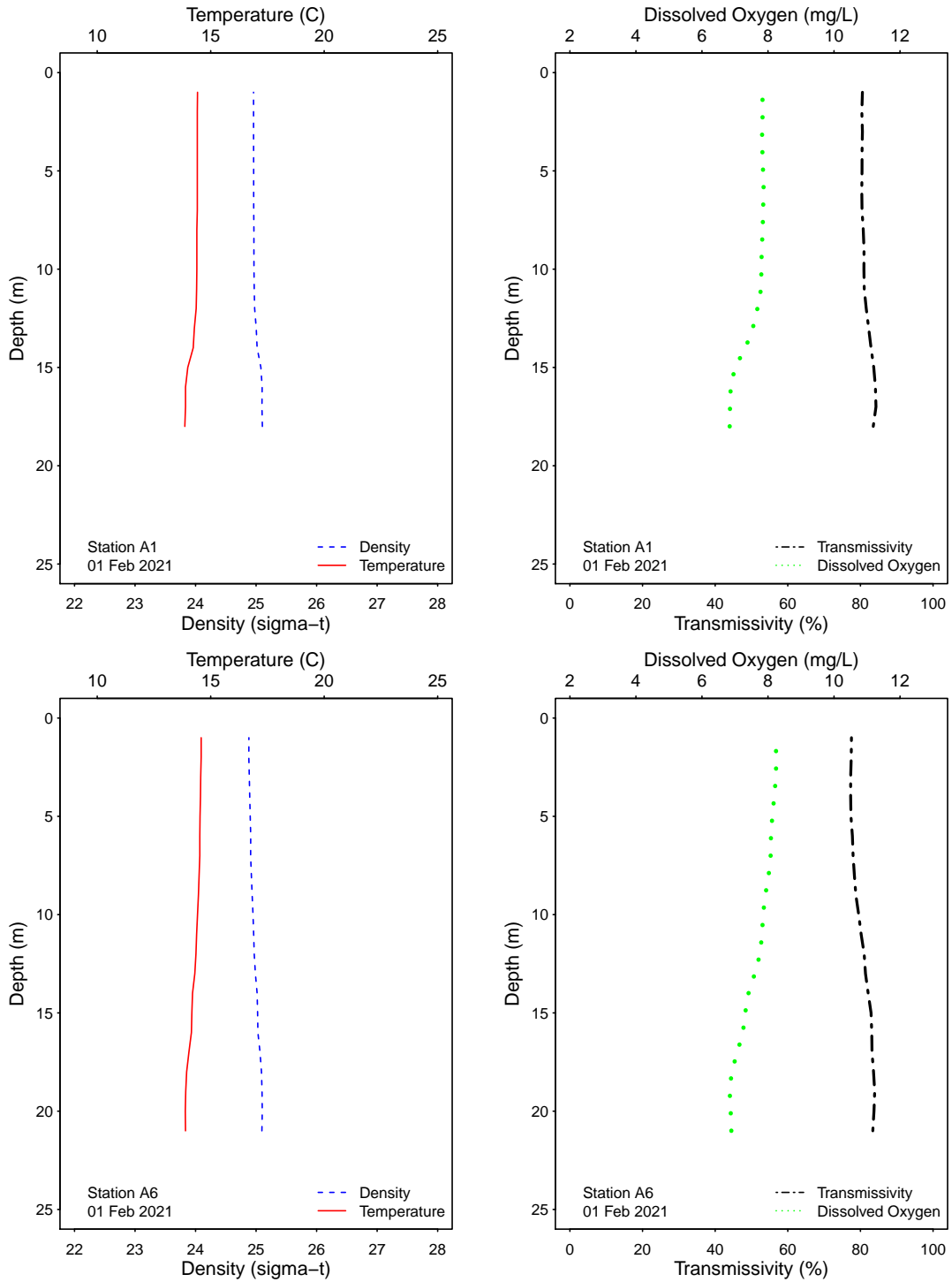


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



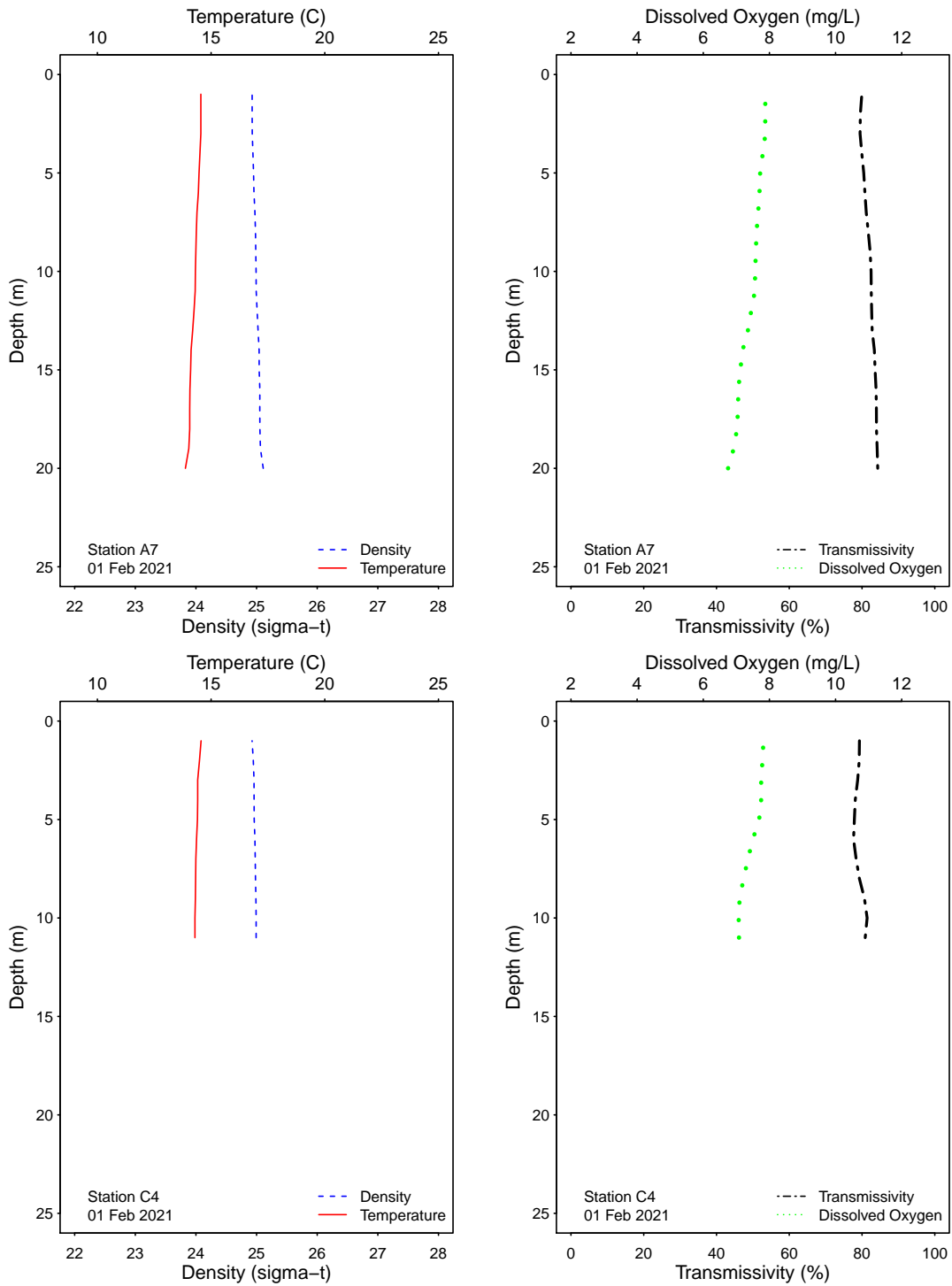


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

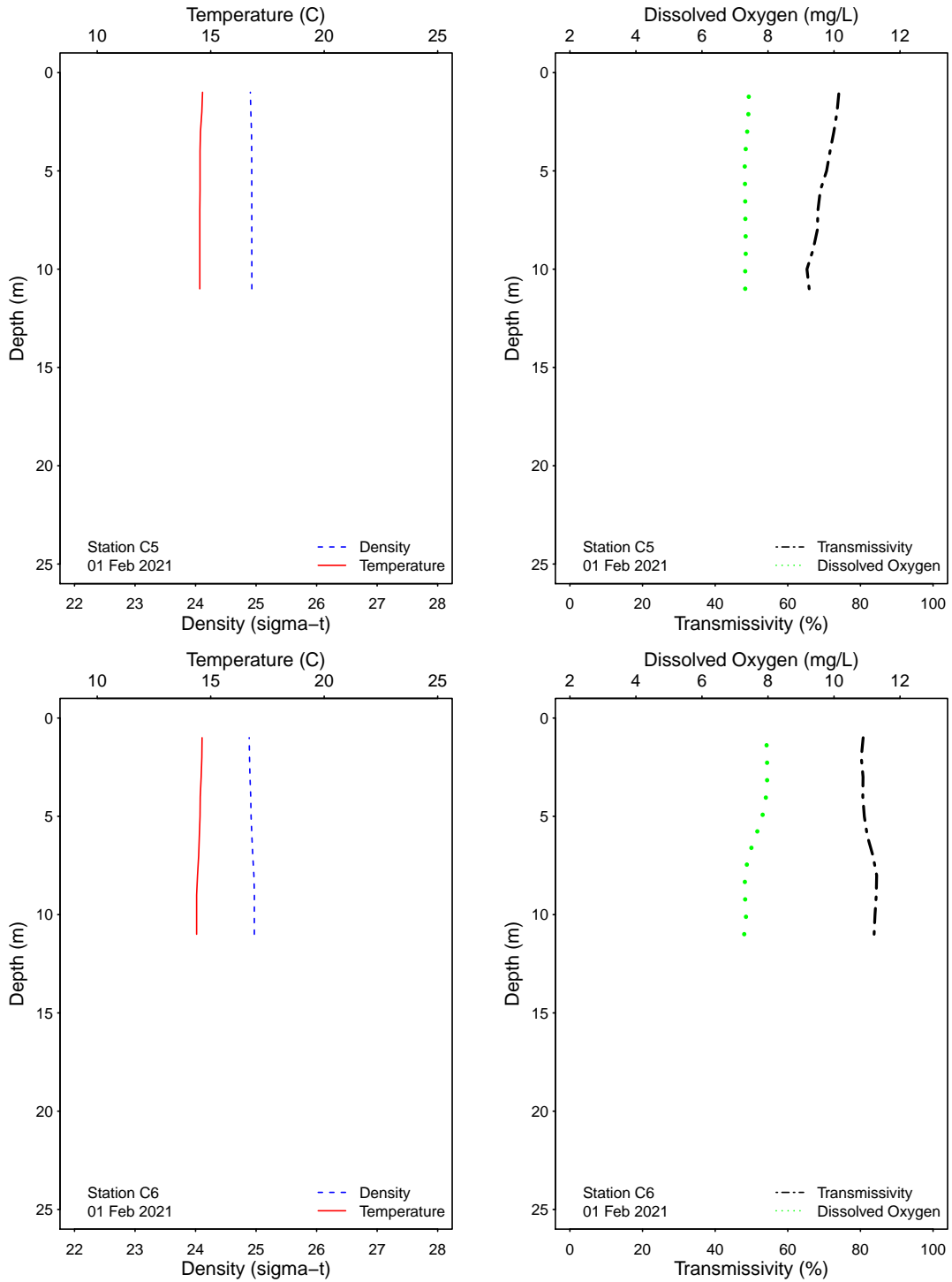


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

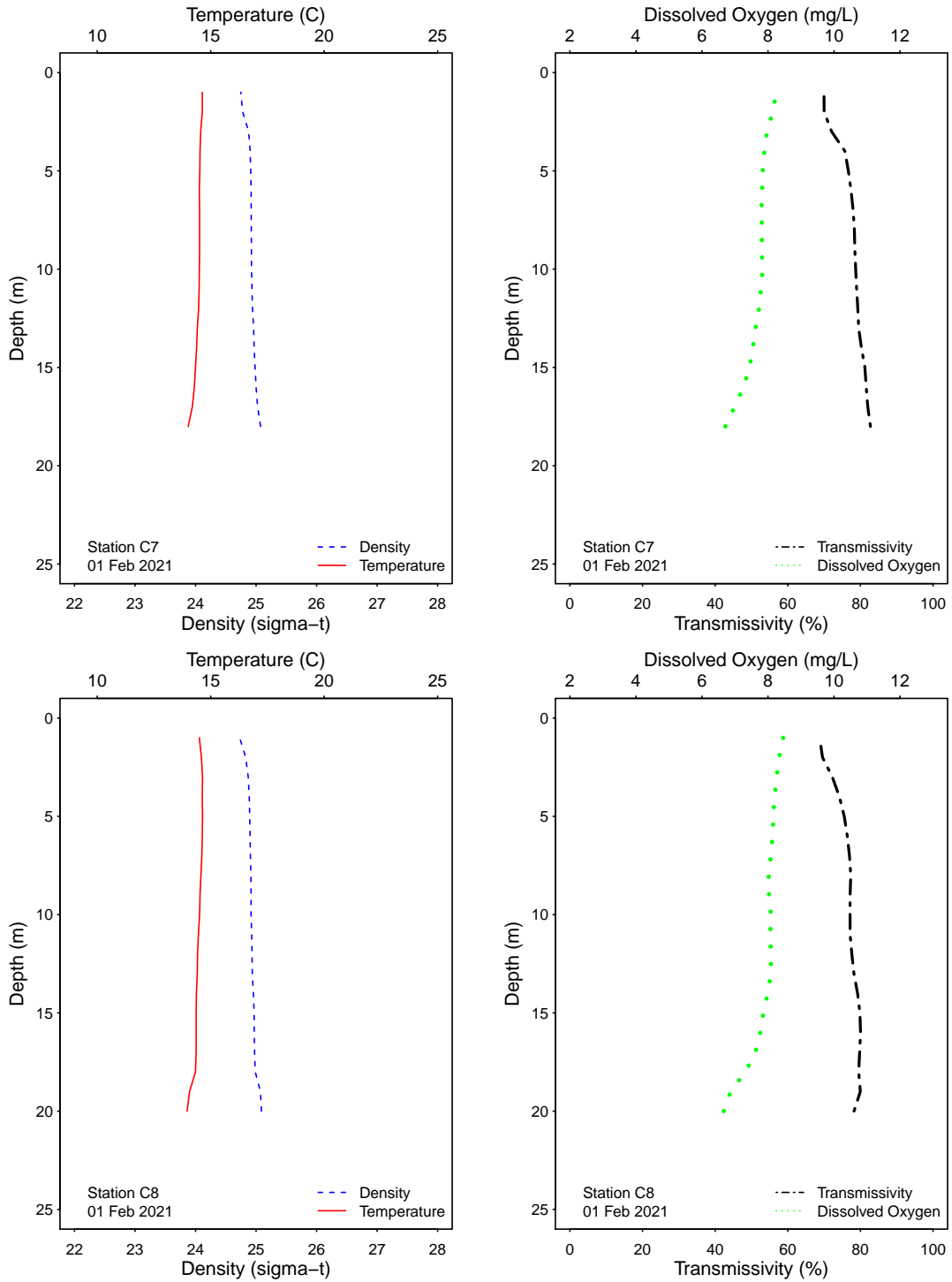


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

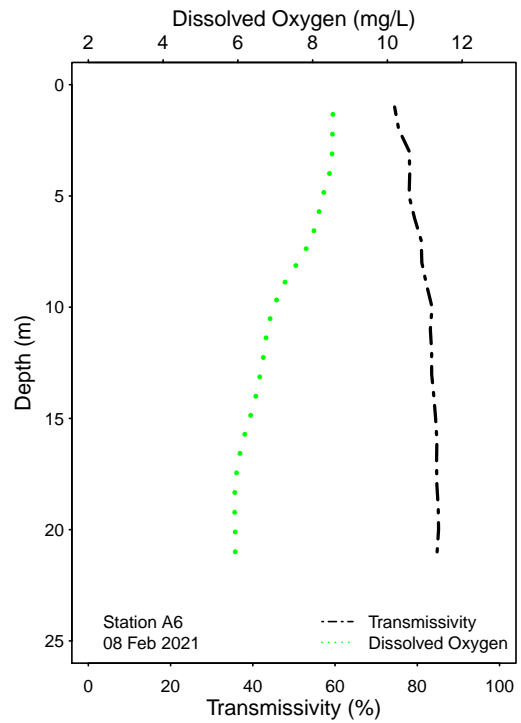
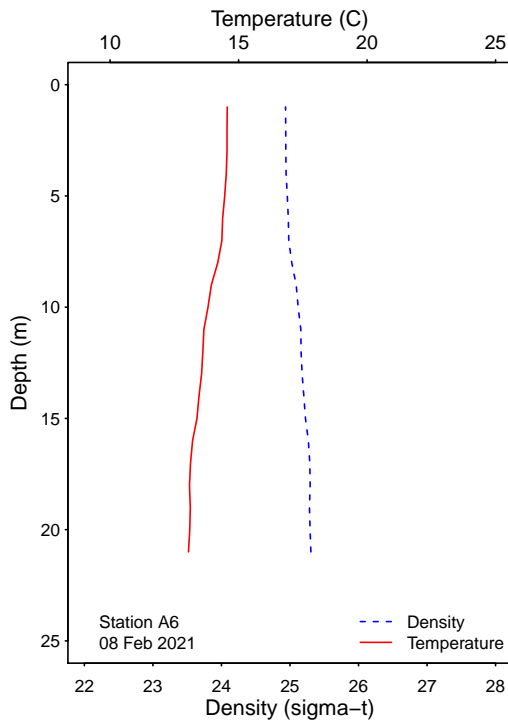
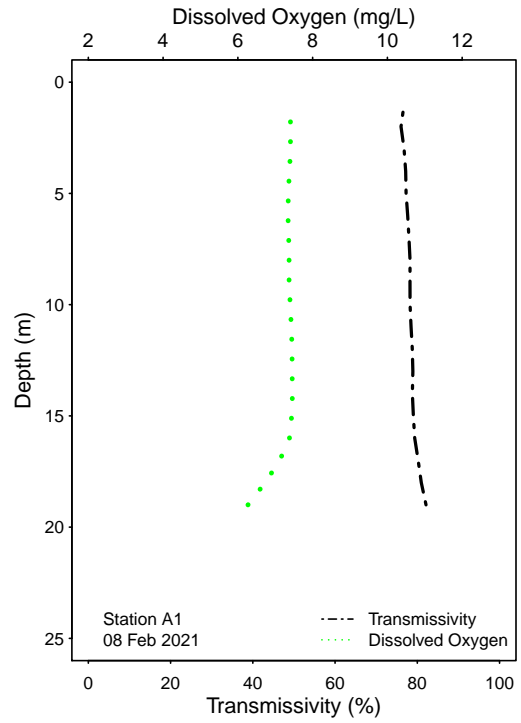
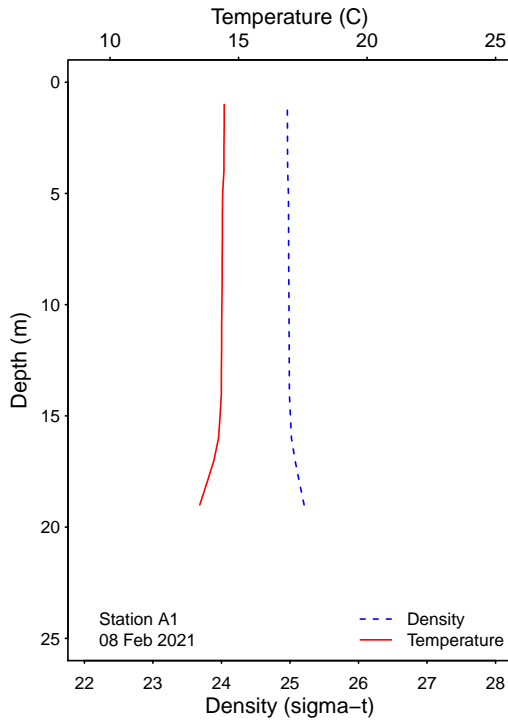


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

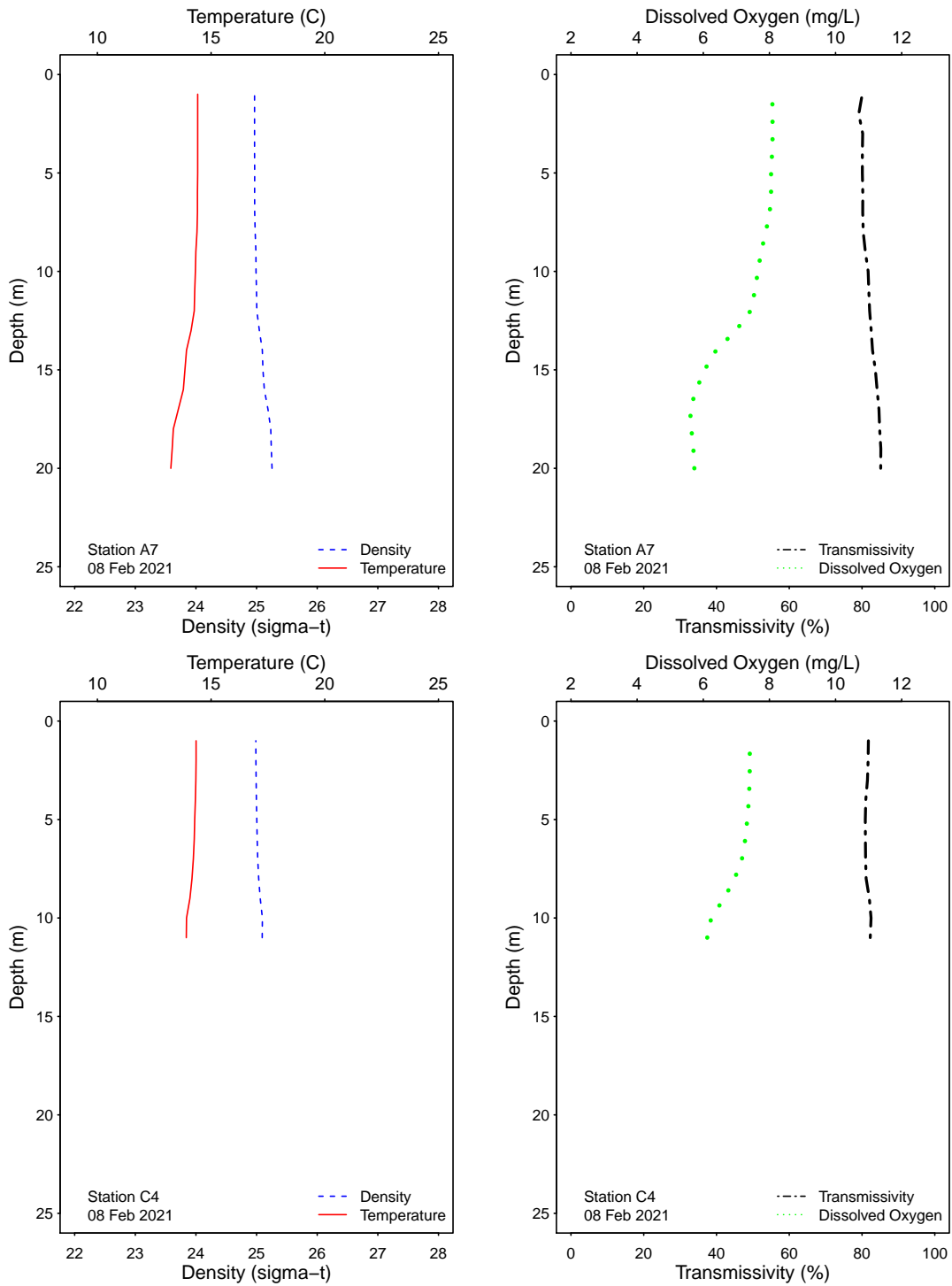


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

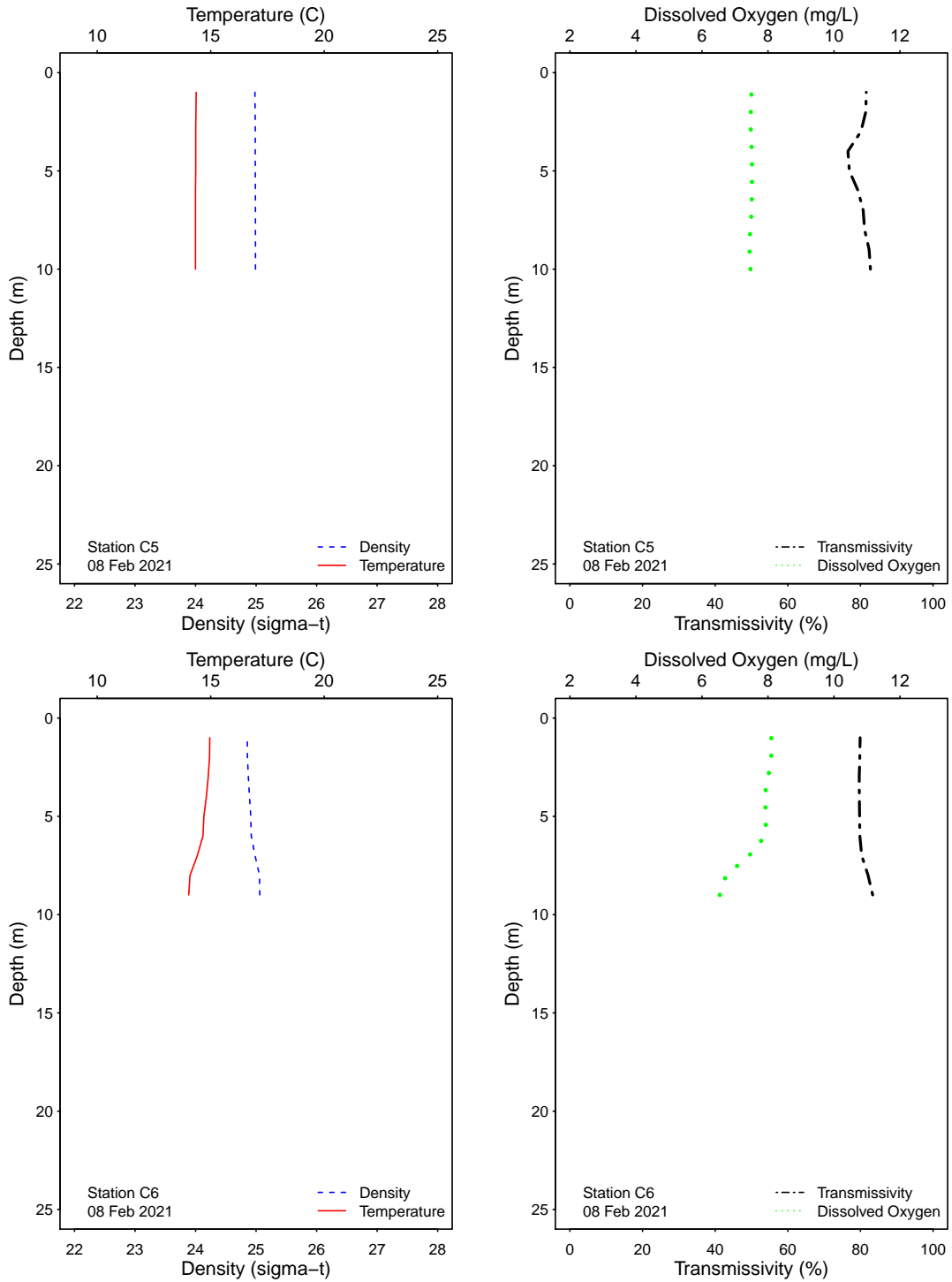


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

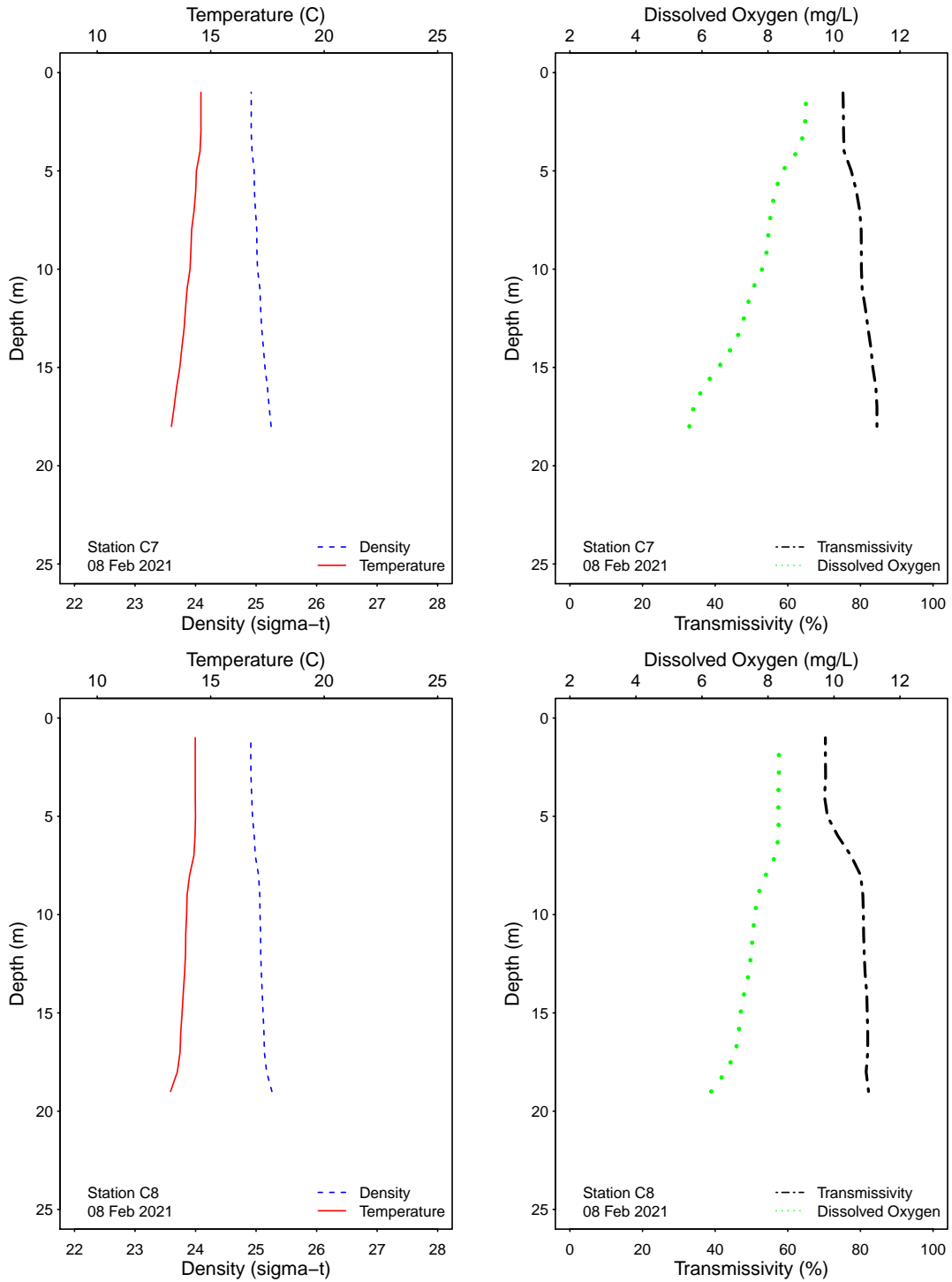


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

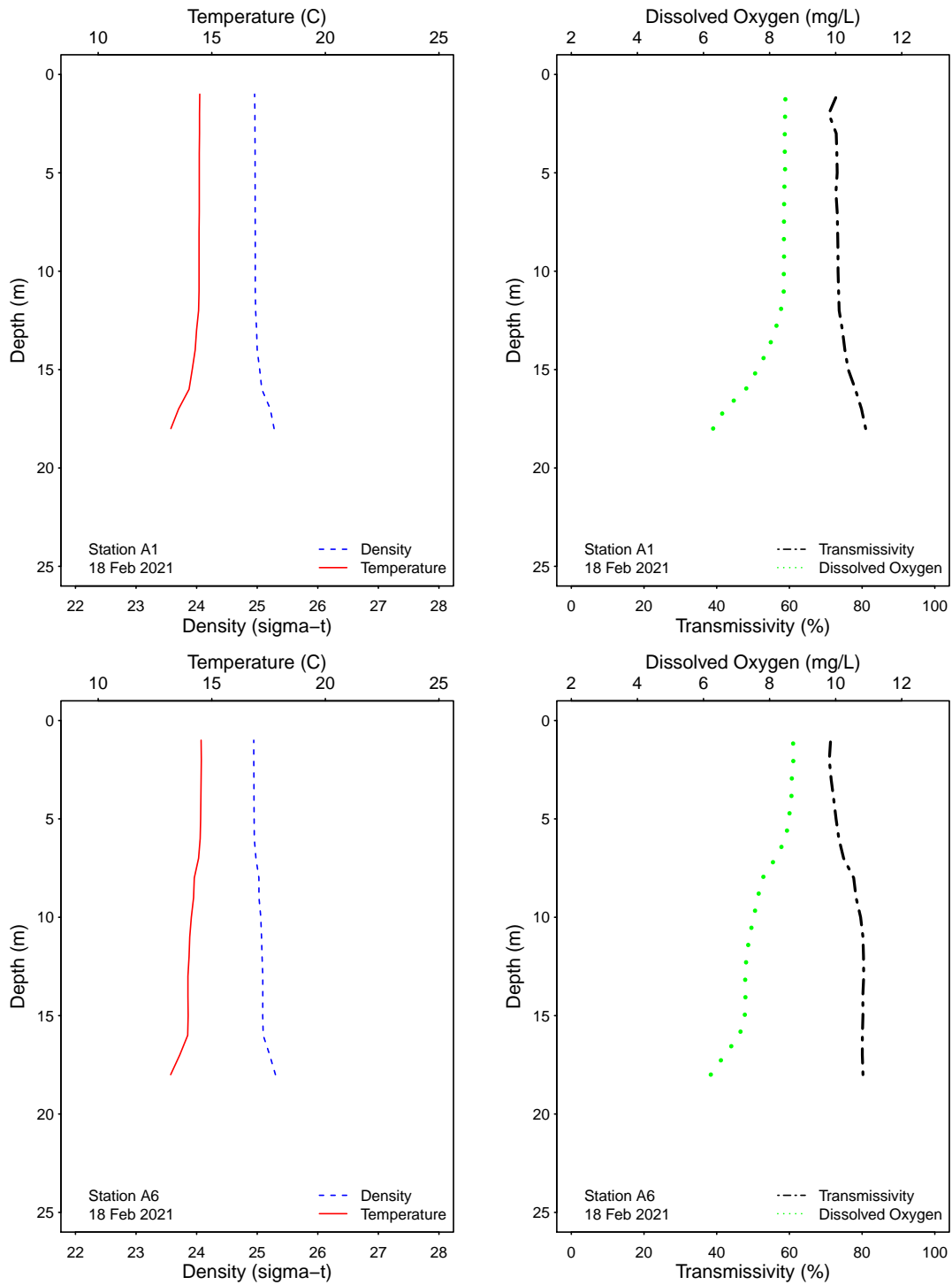


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



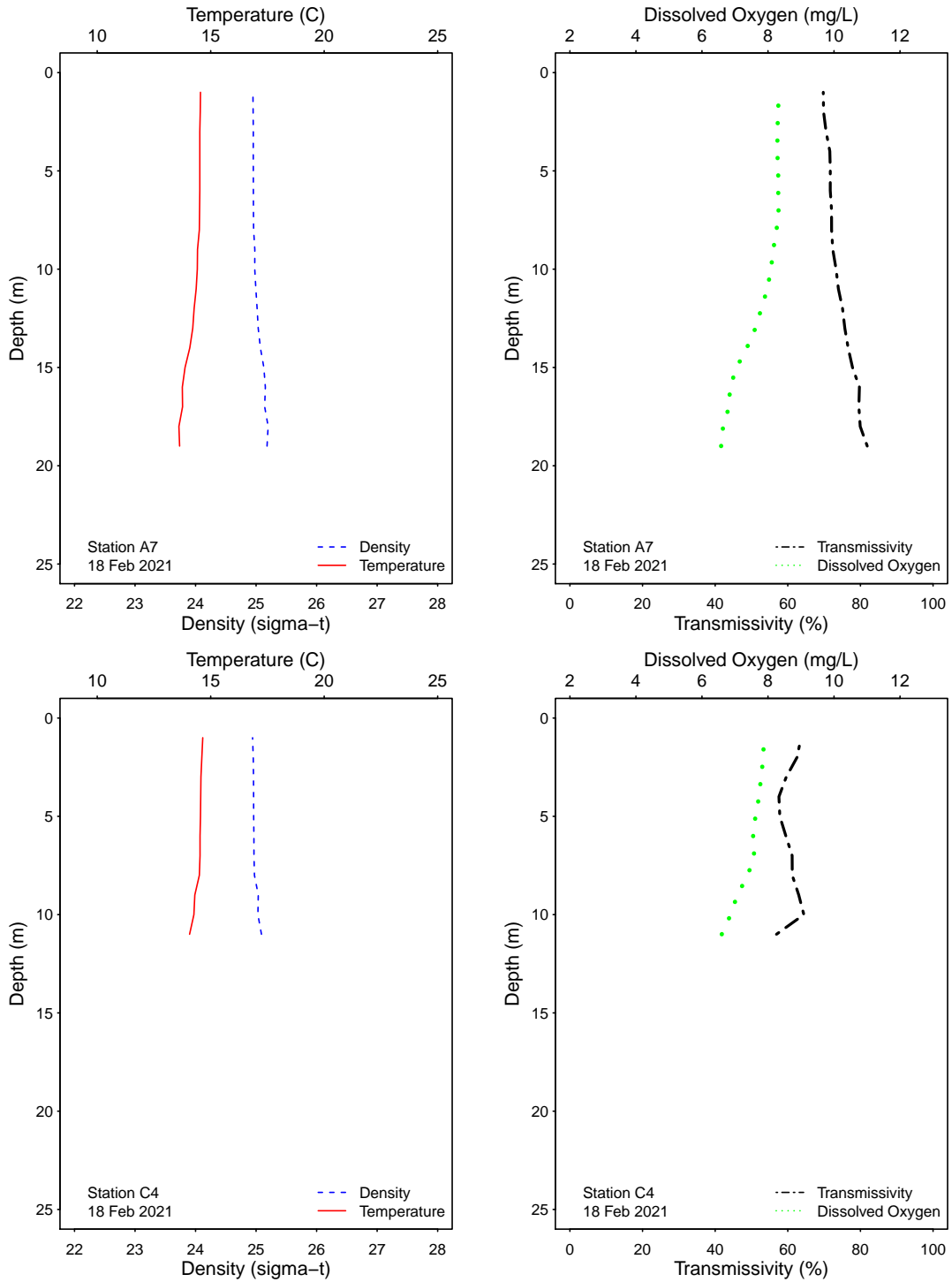


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

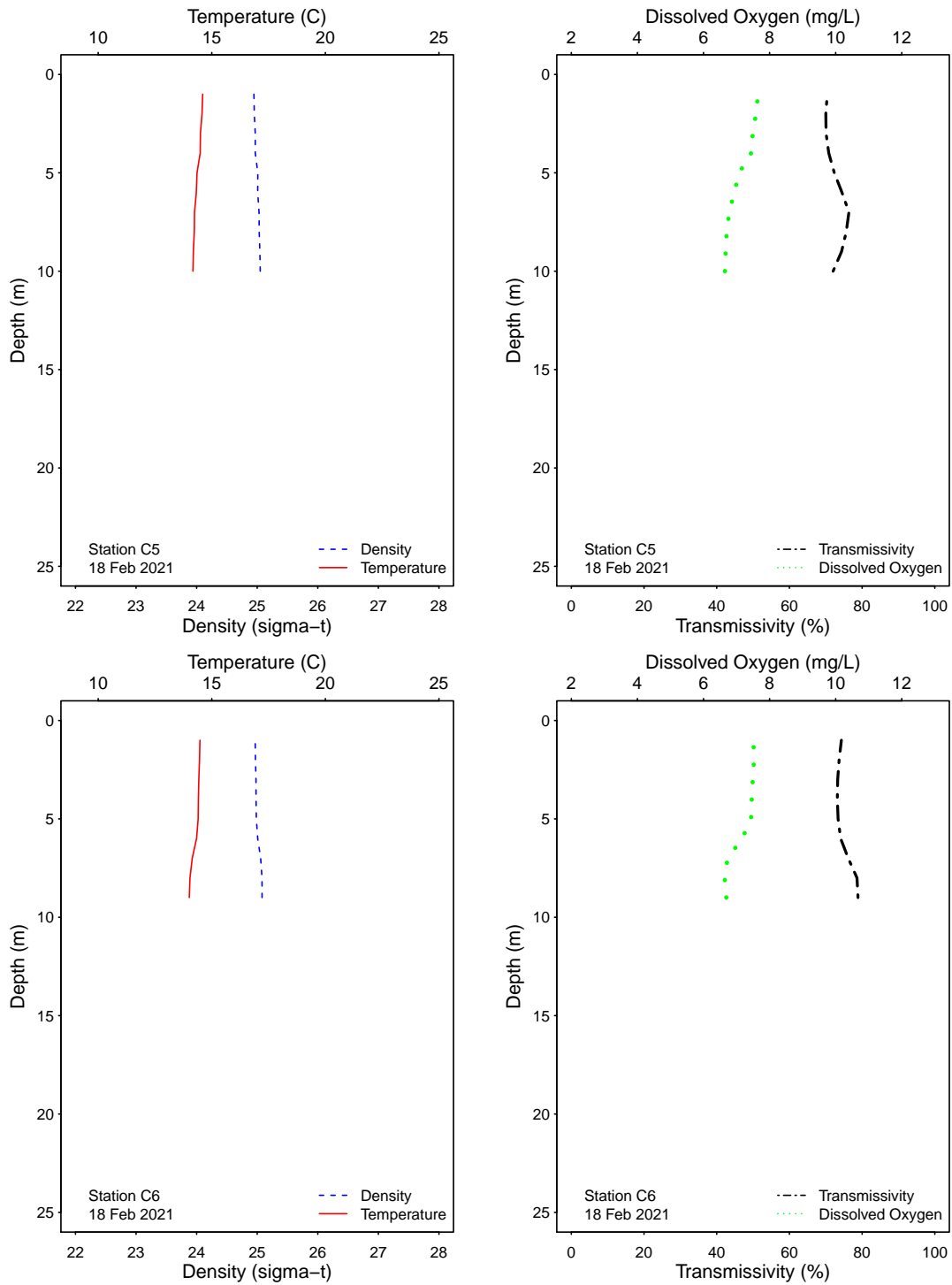


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

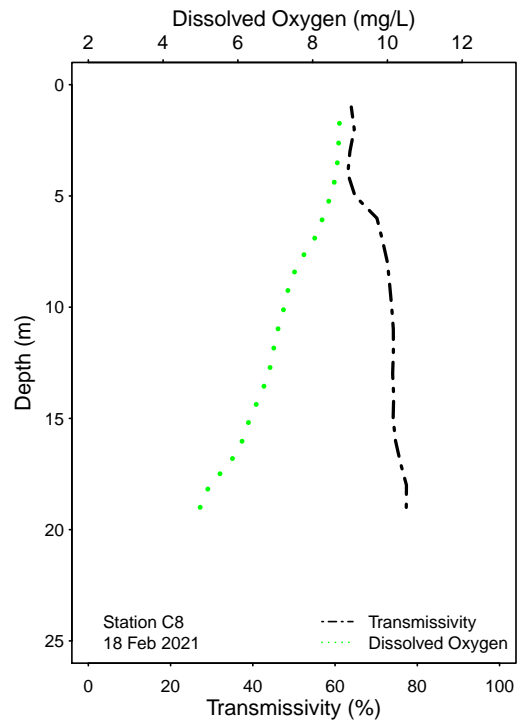
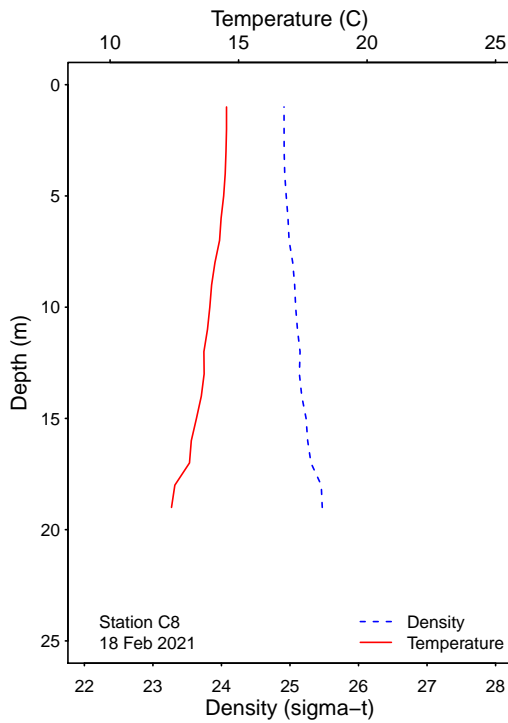
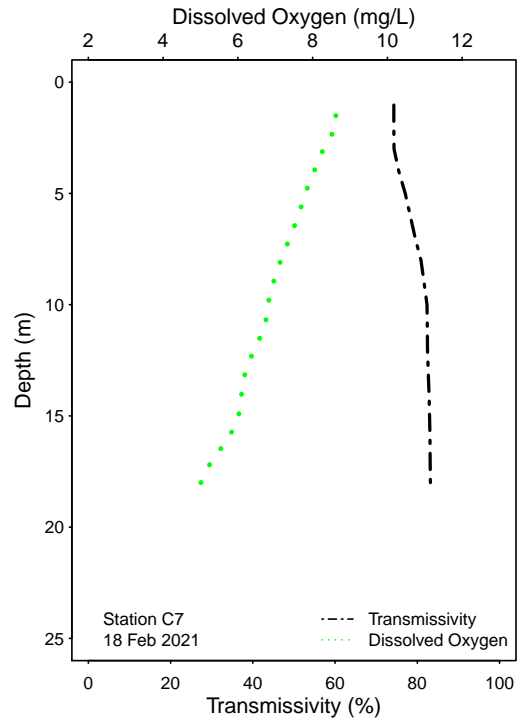
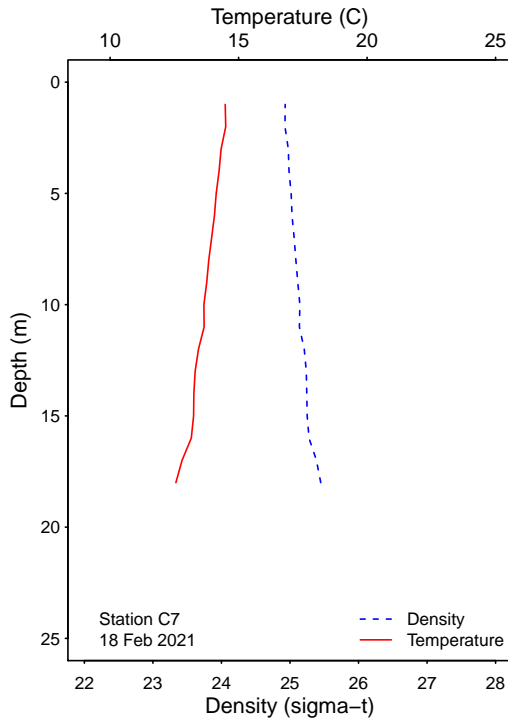


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

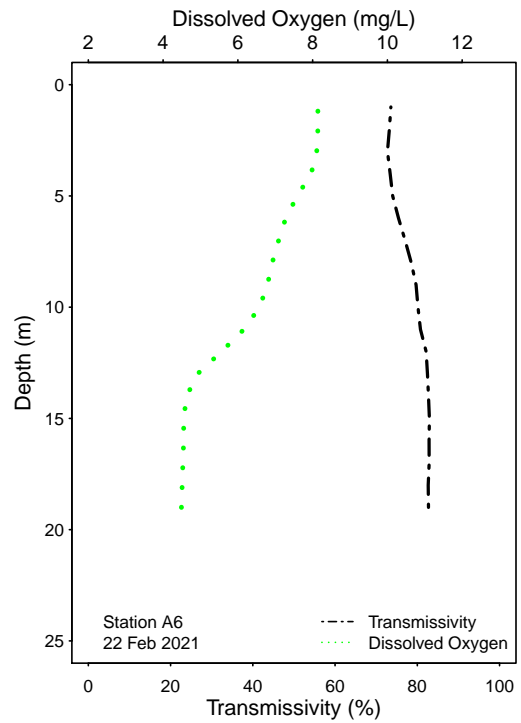
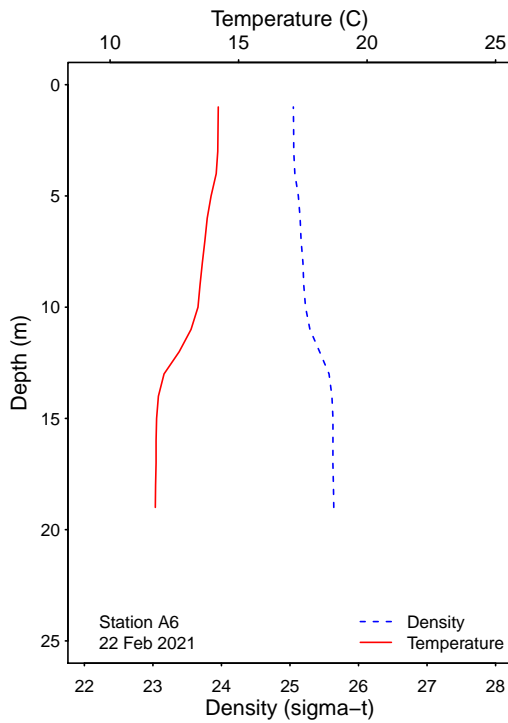
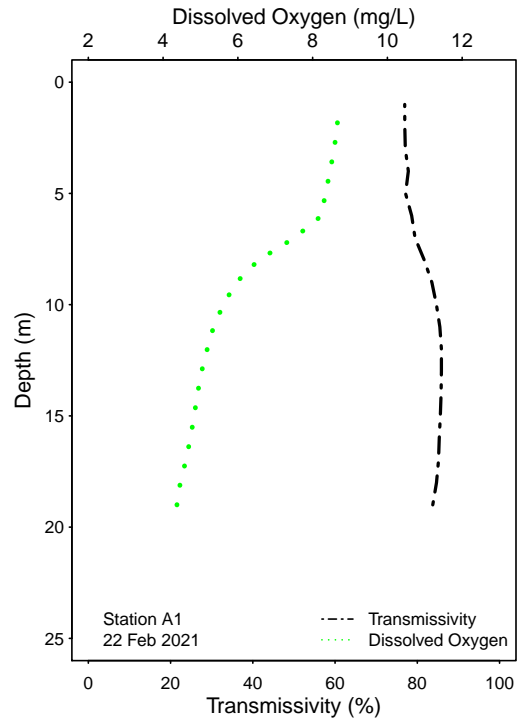
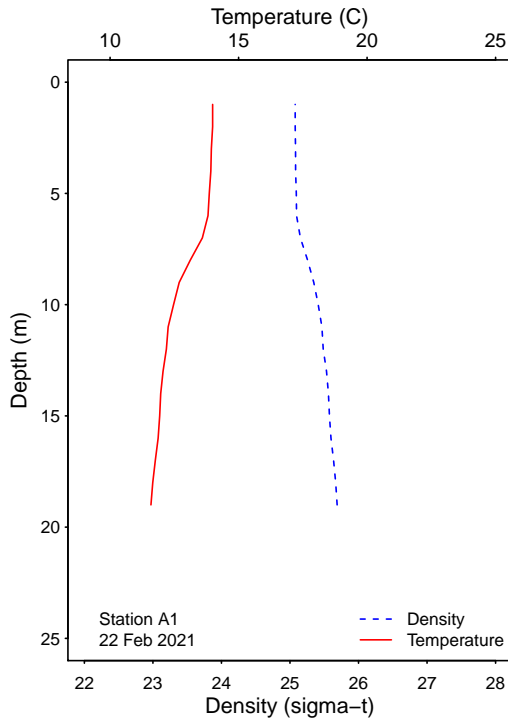


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

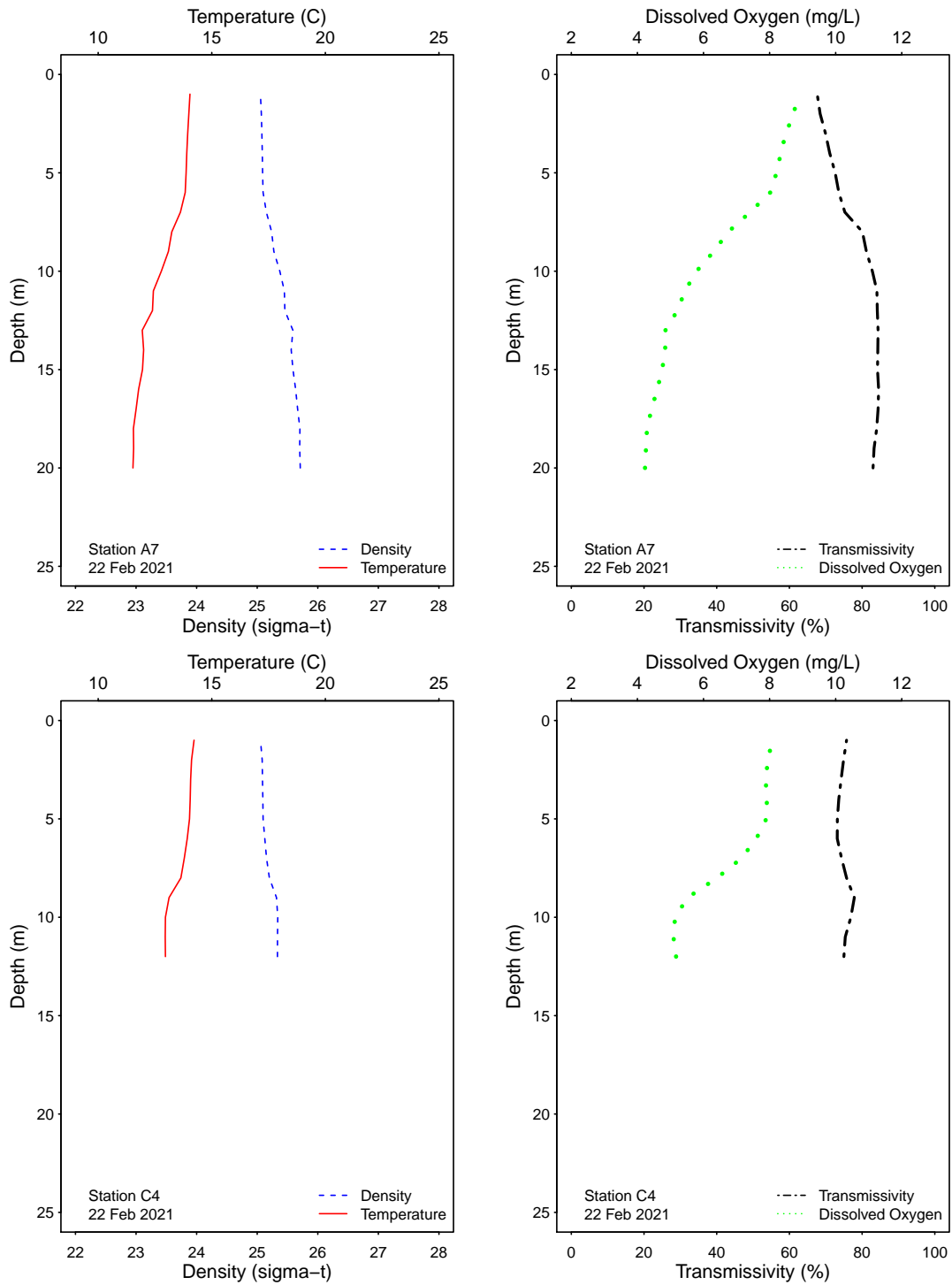


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

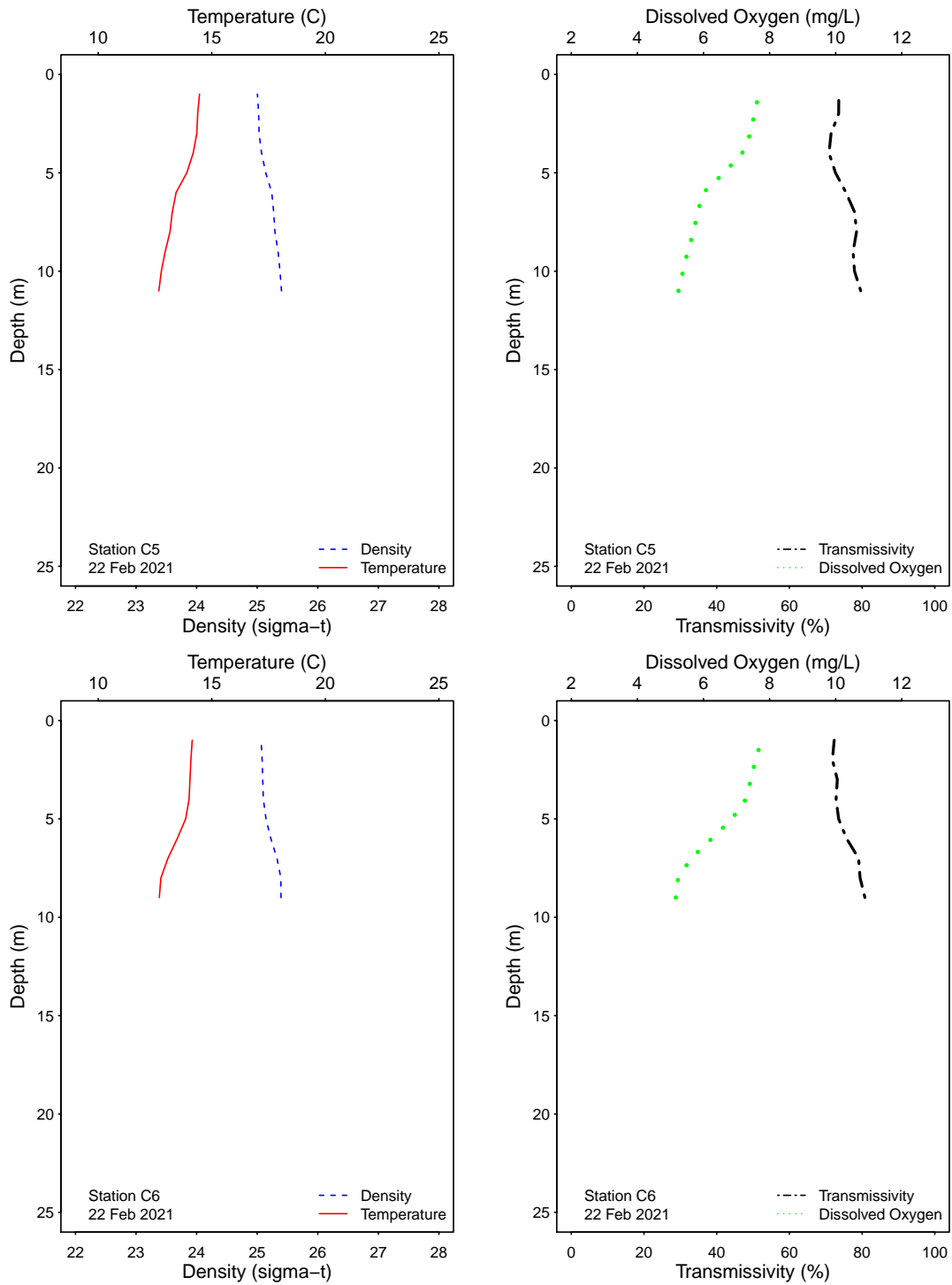


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

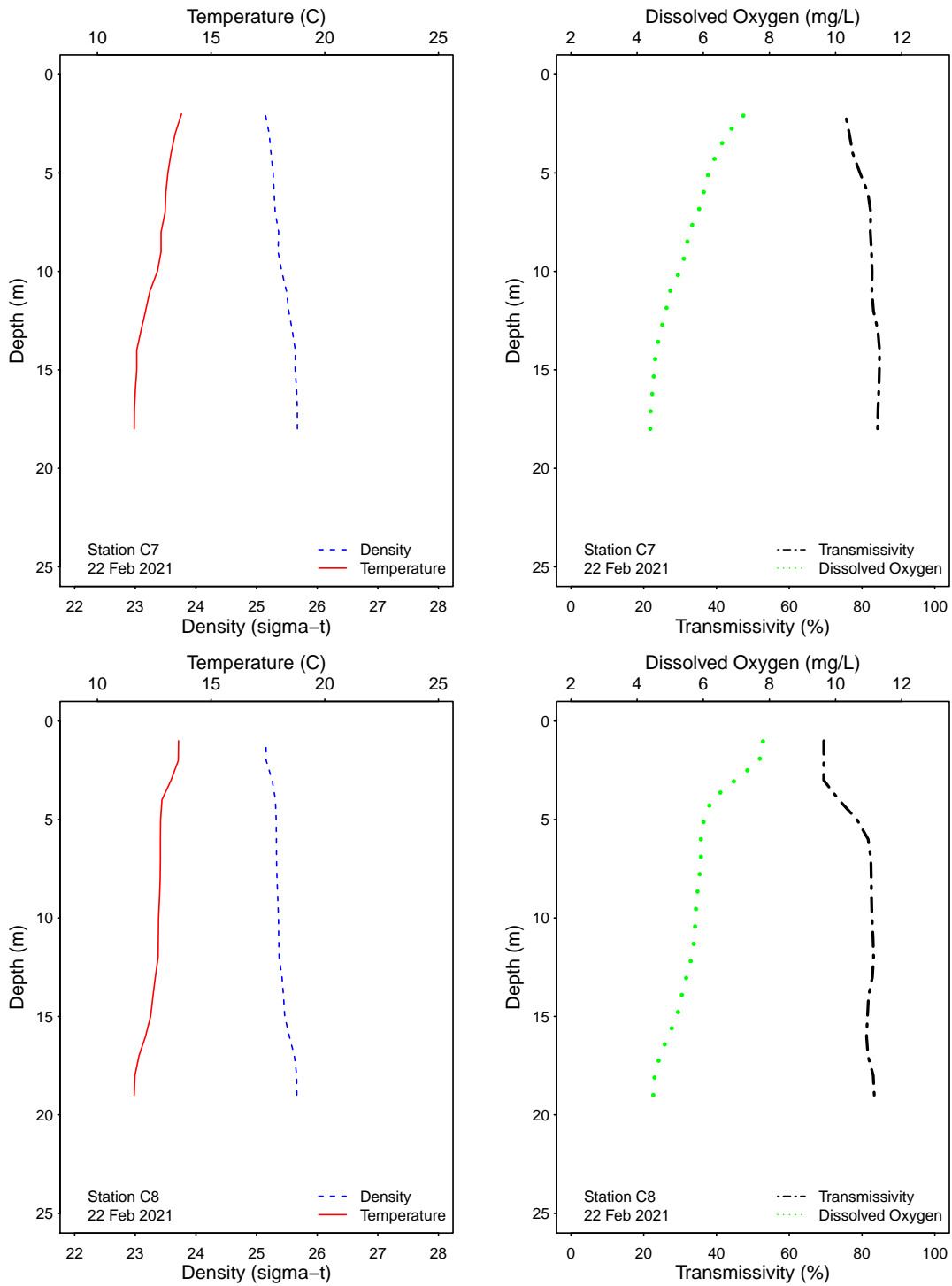


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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# 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
24 Feb 2021	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	ns	ns	ns
25 Feb 2021	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	IC	IC	IC

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	24 Feb 2021	1247	1	<2	14.45	74.93	8.9	33.54	8.2
F01	24 Feb 2021	1247	12	<2	13.65	74.69	7.7	33.58	8.1
F01	24 Feb 2021	1247	18	<2	12.08	75.07	4.9	33.66	7.9
F02	24 Feb 2021	857	1	<2	14.07	76.61	8.7	33.54	8.2
F02	24 Feb 2021	857	12	<2	12.95	82.98	6.3	33.58	8.0
F02	24 Feb 2021	857	18	<2	12.55	81.21	5.5	33.64	8.0
F03	24 Feb 2021	914	1	<2	14.12	71.90	9.2	33.56	8.2
F03	24 Feb 2021	914	12	<2	13.36	77.39	7.3	33.59	8.1
F03	24 Feb 2021	914	18	2e	12.61	77.25	5.8	33.64	8.0
F04	24 Feb 2021	1222	1	<2	14.80	80.74	8.8	33.50	8.2
F04	24 Feb 2021	1222	25	<2	11.30	87.75	5.0	33.67	7.9
F04	24 Feb 2021	1222	60	40	10.56	86.96	3.7	33.91	7.8
F05	24 Feb 2021	1209	1	<2	14.75	78.12	9.1	33.51	8.2
F05	24 Feb 2021	1209	25	<2	11.52	87.30	4.9	33.69	7.9
F05	24 Feb 2021	1209	60	32e	10.53	86.30	3.6	33.94	7.8
F06	24 Feb 2021	1150	1	<2	14.91	77.72	9.2	33.53	8.3
F06	24 Feb 2021	1150	25	<2	12.15	85.44	5.7	33.62	8.0
F06	24 Feb 2021	1150	60	22e	10.66	85.49	3.7	33.90	7.8
F07	24 Feb 2021	1132	1	<2	14.92	77.99	9.2	33.50	8.3
F07	24 Feb 2021	1132	25	2e	12.22	81.34	5.3	33.65	8.0
F07	24 Feb 2021	1132	60	24e	10.72	86.81	3.8	33.88	7.8
F08	24 Feb 2021	1113	1	<2	14.65	78.67	9.1	33.52	8.2
F08	24 Feb 2021	1113	25	8e	11.39	85.41	4.3	33.76	7.9
F08	24 Feb 2021	1113	60	26e	10.68	86.31	3.7	33.88	7.8
F09	24 Feb 2021	1100	1	<2	14.47	77.98	8.9	33.52	8.2
F09	24 Feb 2021	1100	25	2e	11.74	84.95	4.9	33.69	7.9
F09	24 Feb 2021	1100	60	44	10.61	84.54	3.6	33.90	7.8
F10	24 Feb 2021	1044	1	<2	14.57	78.51	9.0	33.52	8.2
F10	24 Feb 2021	1044	25	6e	11.52	85.68	4.5	33.73	7.9
F10	24 Feb 2021	1044	60	48	10.75	86.02	3.8	33.87	7.8
F11	24 Feb 2021	1024	1	<2	14.31	76.75	8.6	33.54	8.2
F11	24 Feb 2021	1024	25	4e	11.96	85.29	5.0	33.67	7.9
F11	24 Feb 2021	1024	60	28e	10.84	84.23	3.8	33.86	7.8
F12	24 Feb 2021	1006	1	<2	14.49	76.80	8.2	33.55	8.2
F12	24 Feb 2021	1006	25	<2	11.97	85.85	5.1	33.65	7.9
F12	24 Feb 2021	1006	60	12e	10.86	84.57	3.5	33.87	7.8
F13	24 Feb 2021	949	1	<2	14.23	77.15	8.6	33.53	8.2
F13	24 Feb 2021	949	25	<2	11.88	86.66	5.4	33.59	7.9
F13	24 Feb 2021	949	60	10e	10.74	79.39	3.2	33.91	7.8
F14	24 Feb 2021	933	1	<2	14.21	74.48	8.6	33.57	8.2

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F14	24 Feb 2021	933	25	<2	12.61	83.53	6.1	33.59	8.0
F14	24 Feb 2021	933	60	12e	10.70	83.61	3.4	33.91	7.8
F15	25 Feb 2021	1150	1	<2	14.81	83.61	8.4	33.50	8.2
F15	25 Feb 2021	1150	25	<2	11.02	87.76	4.9	33.69	7.8
F15	25 Feb 2021	1150	60	2e	10.33	88.54	3.8	33.97	7.8
F15	25 Feb 2021	1150	80	4e	10.20	87.12	3.4	34.02	7.7
F16	25 Feb 2021	1133	1	<2	14.75	80.27	9.0	33.52	8.2
F16	25 Feb 2021	1133	25	<2	10.99	88.15	4.9	33.70	7.9
F16	25 Feb 2021	1133	60	<2	10.41	88.42	3.8	33.96	7.8
F16	25 Feb 2021	1133	80	2e	10.23	87.14	3.5	34.01	7.7
F17	25 Feb 2021	1116	1	<2	14.73	80.96	8.9	33.49	8.2
F17	25 Feb 2021	1116	25	<2	11.58	86.96	5.3	33.61	7.9
F17	25 Feb 2021	1116	60	<2	10.34	88.37	3.7	33.97	7.8
F17	25 Feb 2021	1116	80	<2	10.24	86.68	3.4	34.01	7.7
F18	25 Feb 2021	1058	1	<2	14.80	82.09	8.8	33.51	8.2
F18	25 Feb 2021	1058	25	<2	12.34	84.84	5.3	33.64	7.9
F18	25 Feb 2021	1058	60	12e	10.48	88.29	3.9	33.93	7.8
F18	25 Feb 2021	1058	80	4e	10.30	86.27	3.5	34.00	7.7
F19	25 Feb 2021	1042	1	<2	14.76	81.12	8.8	33.52	8.2
F19	25 Feb 2021	1042	25	<2	12.61	83.79	5.8	33.60	7.9
F19	25 Feb 2021	1042	60	22e	10.67	87.38	4.0	33.87	7.8
F19	25 Feb 2021	1042	80	6e	10.31	86.48	3.5	34.00	7.7
F20	25 Feb 2021	1025	1	<2	14.66	79.10	8.8	33.54	8.2
F20	25 Feb 2021	1025	25	<2	12.18	83.47	5.2	33.65	7.9
F20	25 Feb 2021	1025	60	<2	11.18	87.56	4.6	33.77	7.8
F20	25 Feb 2021	1025	80	16e	10.39	87.82	3.7	33.96	7.8
F21	25 Feb 2021	1007	1	<2	14.47	78.01	8.6	33.55	8.2
F21	25 Feb 2021	1007	25	<2	13.13	81.05	6.4	33.61	8.0
F21	25 Feb 2021	1007	60	<2	11.54	85.89	4.7	33.72	7.8
F21	25 Feb 2021	1007	80	18e	10.41	85.35	3.6	33.96	7.7
F22	25 Feb 2021	952	1	<2	14.36	77.64	8.4	33.55	8.2
F22	25 Feb 2021	952	25	<2	12.78	83.28	6.2	33.60	8.0
F22	25 Feb 2021	952	60	10e	11.03	86.28	4.1	33.82	7.8
F22	25 Feb 2021	952	80	42	10.47	85.15	3.6	33.94	7.7
F23	25 Feb 2021	936	1	<2	14.55	79.50	8.9	33.54	8.2
F23	25 Feb 2021	936	25	<2	12.81	83.25	6.2	33.59	8.0
F23	25 Feb 2021	936	60	48	10.71	86.76	3.8	33.86	7.8
F23	25 Feb 2021	936	80	44	10.73	85.10	3.6	33.88	7.7
F24	25 Feb 2021	920	1	<2	14.32	79.04	8.7	33.51	8.2
F24	25 Feb 2021	920	25	<2	11.88	86.43	5.4	33.60	7.9
F24	25 Feb 2021	920	60	30e	10.80	86.87	3.8	33.87	7.8
F24	25 Feb 2021	920	80	50	10.64	82.57	3.4	33.92	7.7
F25	25 Feb 2021	903	1	<2	14.59	82.76	8.5	33.51	8.1
F25	25 Feb 2021	903	25	<2	12.38	84.72	5.8	33.60	7.9
F25	25 Feb 2021	903	60	22e	10.81	86.83	3.7	33.87	7.7
F25	25 Feb 2021	903	80	220e	10.41	85.56	3.4	33.91	7.7
F26	23 Feb 2021	1321	1	<2	15.42	70.62	9.9	33.53	8.3
F26	23 Feb 2021	1321	25	<2	11.16	87.48	4.7	33.72	7.9
F26	23 Feb 2021	1321	60	<2	10.15	88.71	3.9	33.96	7.8

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F26	23 Feb 2021	1321	80	<2	10.03	88.16	3.4	34.04	7.8
F26	23 Feb 2021	1321	98	<2	9.76	86.74	2.8	34.12	7.7
F27	23 Feb 2021	1303	1	<2	14.62	74.61	9.1	33.52	8.2
F27	23 Feb 2021	1303	25	<2	11.52	86.72	4.8	33.70	7.9
F27	23 Feb 2021	1303	60	<2	10.04	88.72	3.8	33.98	7.8
F27	23 Feb 2021	1303	80	<2	9.97	88.10	3.3	34.05	7.7
F27	23 Feb 2021	1303	98	<2	9.84	87.11	2.9	34.10	7.7
F28	23 Feb 2021	1249	1	<2	14.64	73.67	9.0	33.52	8.2
F28	23 Feb 2021	1249	25	<2	11.51	87.10	5.0	33.66	7.9
F28	23 Feb 2021	1249	60	<2	10.05	88.68	3.9	33.98	7.8
F28	23 Feb 2021	1249	80	<2	9.91	87.00	3.2	34.07	7.7
F28	23 Feb 2021	1249	98	<2	9.86	87.12	3.0	34.09	7.7
F29	23 Feb 2021	1229	1	<2	14.70	75.79	8.8	33.53	8.2
F29	23 Feb 2021	1229	25	<2	11.67	86.80	5.2	33.63	7.9
F29	23 Feb 2021	1229	60	<2	10.01	88.62	3.8	33.99	7.8
F29	23 Feb 2021	1229	80	<2	9.96	87.52	3.3	34.05	7.7
F29	23 Feb 2021	1229	98	<2	9.86	86.81	3.1	34.08	7.7
F30	23 Feb 2021	1154	1	<2	14.78	74.73	8.8	33.53	8.2
F30	23 Feb 2021	1154	25	<2	11.69	86.42	5.1	33.66	7.9
F30	23 Feb 2021	1154	60	16e	10.20	87.80	3.8	33.95	7.8
F30	23 Feb 2021	1154	80	180e	10.05	86.19	3.5	33.95	7.7
F30	23 Feb 2021	1154	98	52	10.02	86.99	3.5	33.99	7.7
F31	23 Feb 2021	1124	1	<2	14.19	77.31	8.5	33.52	8.2
F31	23 Feb 2021	1124	25	<2	11.75	86.35	4.9	33.67	7.9
F31	23 Feb 2021	1124	60	14e	10.38	88.39	4.0	33.93	7.8
F31	23 Feb 2021	1124	80	<2	10.21	88.66	3.8	33.97	7.7
F31	23 Feb 2021	1124	98	30e	9.91	86.78	3.3	34.05	7.7
F32	23 Feb 2021	1108	1	<2	14.24	74.21	8.7	33.52	8.2
F32	23 Feb 2021	1108	25	2e	11.39	87.42	4.8	33.68	7.8
F32	23 Feb 2021	1108	60	2e	10.48	88.33	4.1	33.91	7.8
F32	23 Feb 2021	1108	80	4e	10.27	88.47	3.8	33.96	7.7
F32	23 Feb 2021	1108	98	20e	10.00	86.43	3.4	34.03	7.7
F33	23 Feb 2021	1049	1	<2	14.75	77.71	9.3	33.52	8.2
F33	23 Feb 2021	1049	25	2e	12.58	83.80	6.1	33.60	8.0
F33	23 Feb 2021	1049	60	500	10.46	87.15	3.6	33.87	7.7
F33	23 Feb 2021	1049	80	2200e	10.04	86.02	3.4	33.92	7.7
F33	23 Feb 2021	1049	98	800	9.96	86.03	3.4	34.03	7.7
F34	23 Feb 2021	1032	1	<2	14.31	81.89	8.6	33.49	8.1
F34	23 Feb 2021	1032	25	<2	12.91	83.43	6.3	33.59	8.0
F34	23 Feb 2021	1032	60	2e	10.77	86.92	3.8	33.88	7.8
F34	23 Feb 2021	1032	80	100	10.33	87.75	3.7	33.94	7.7
F34	23 Feb 2021	1032	98	2e	9.94	84.97	3.3	34.06	7.7
F35	23 Feb 2021	949	1	<2	14.45	84.31	8.5	33.49	8.1
F35	23 Feb 2021	949	25	<2	13.59	83.20	7.9	33.48	8.1
F35	23 Feb 2021	949	60	<2	10.71	88.38	4.8	33.76	7.8
F35	23 Feb 2021	949	80	<2	10.40	87.84	3.9	33.95	7.7
F35	23 Feb 2021	949	98	<2	9.74	87.81	3.1	34.09	7.7
F36	23 Feb 2021	857	1	<2	14.38	84.46	8.5	33.49	8.2
F36	23 Feb 2021	857	25	<2	12.91	86.90	6.7	33.51	8.0
F36	23 Feb 2021	857	60	<2	10.69	88.62	5.2	33.67	7.8
F36	23 Feb 2021	857	80	<2	10.39	88.44	4.0	33.92	7.8

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F36	23 Feb 2021	857	98	<2	9.97	88.17	3.6	34.02	7.7

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	24 Feb 2021	Depth (m)	19
F01	24 Feb 2021	Arrive Time	1247
F01	24 Feb 2021	Depart Time	1251
F01	24 Feb 2021	Air Temp (C)	14
F01	24 Feb 2021	Weather	Haze
F01	24 Feb 2021	Visibility (mi)	10
F01	24 Feb 2021	Wind Speed (kts)	7
F01	24 Feb 2021	Wind Dir	SW
F01	24 Feb 2021	Water Color	Green
F01	24 Feb 2021	Wave Ht Low (ft)	3
F01	24 Feb 2021	Wave Period (sec)	11
F01	24 Feb 2021	Sea State	Light chop
F01	24 Feb 2021	High Tide (ft)	5.51
F01	24 Feb 2021	High Tide Time	644
F01	24 Feb 2021	Low Tide (ft)	-0.91
F01	24 Feb 2021	Low Tide Time	1357
F01	24 Feb 2021	Comments	none
F02	24 Feb 2021	Depth (m)	21
F02	24 Feb 2021	Arrive Time	857
F02	24 Feb 2021	Depart Time	900
F02	24 Feb 2021	Air Temp (C)	16
F02	24 Feb 2021	Weather	Haze
F02	24 Feb 2021	Visibility (mi)	11
F02	24 Feb 2021	Wind Speed (kts)	5
F02	24 Feb 2021	Wind Dir	E
F02	24 Feb 2021	Water Color	Green
F02	24 Feb 2021	Wave Ht Low (ft)	3
F02	24 Feb 2021	Wave Period (sec)	11
F02	24 Feb 2021	Sea State	Light chop
F02	24 Feb 2021	High Tide (ft)	5.51
F02	24 Feb 2021	High Tide Time	644
F02	24 Feb 2021	Low Tide (ft)	-0.91
F02	24 Feb 2021	Low Tide Time	1357
F02	24 Feb 2021	Comments	none
F03	24 Feb 2021	Depth (m)	20
F03	24 Feb 2021	Arrive Time	914
F03	24 Feb 2021	Depart Time	917
F03	24 Feb 2021	Air Temp (C)	16
F03	24 Feb 2021	Weather	Haze
F03	24 Feb 2021	Visibility (mi)	11
F03	24 Feb 2021	Wind Speed (kts)	6
F03	24 Feb 2021	Wind Dir	E
F03	24 Feb 2021	Water Color	Green
F03	24 Feb 2021	Wave Ht Low (ft)	3
F03	24 Feb 2021	Wave Period (sec)	11
F03	24 Feb 2021	Sea State	Light chop
F03	24 Feb 2021	High Tide (ft)	5.51
F03	24 Feb 2021	High Tide Time	644
F03	24 Feb 2021	Low Tide (ft)	-0.91
F03	24 Feb 2021	Low Tide Time	1357
F03	24 Feb 2021	Comments	none
F04	24 Feb 2021	Depth (m)	61
F04	24 Feb 2021	Arrive Time	1222



Station	Date	Parameter	Value
F04	24 Feb 2021	Depart Time	1225
F04	24 Feb 2021	Air Temp (C)	14
F04	24 Feb 2021	Weather	Haze
F04	24 Feb 2021	Visibility (mi)	10
F04	24 Feb 2021	Wind Speed (kts)	9
F04	24 Feb 2021	Wind Dir	SW
F04	24 Feb 2021	Water Color	Green
F04	24 Feb 2021	Wave Ht Low (ft)	3
F04	24 Feb 2021	Wave Period (sec)	11
F04	24 Feb 2021	Sea State	Light chop
F04	24 Feb 2021	High Tide (ft)	5.51
F04	24 Feb 2021	High Tide Time	644
F04	24 Feb 2021	Low Tide (ft)	-0.91
F04	24 Feb 2021	Low Tide Time	1357
F04	24 Feb 2021	Comments	none
F05	24 Feb 2021	Depth (m)	61
F05	24 Feb 2021	Arrive Time	1209
F05	24 Feb 2021	Depart Time	1211
F05	24 Feb 2021	Air Temp (C)	14
F05	24 Feb 2021	Weather	Haze
F05	24 Feb 2021	Visibility (mi)	10
F05	24 Feb 2021	Wind Speed (kts)	9
F05	24 Feb 2021	Wind Dir	S
F05	24 Feb 2021	Water Color	Green
F05	24 Feb 2021	Wave Ht Low (ft)	3
F05	24 Feb 2021	Wave Period (sec)	11
F05	24 Feb 2021	Sea State	Light chop
F05	24 Feb 2021	High Tide (ft)	5.51
F05	24 Feb 2021	High Tide Time	644
F05	24 Feb 2021	Low Tide (ft)	-0.91
F05	24 Feb 2021	Low Tide Time	1357
F05	24 Feb 2021	Comments	none
F06	24 Feb 2021	Depth (m)	63
F06	24 Feb 2021	Arrive Time	1150
F06	24 Feb 2021	Depart Time	1153
F06	24 Feb 2021	Air Temp (C)	14
F06	24 Feb 2021	Weather	Haze
F06	24 Feb 2021	Visibility (mi)	10
F06	24 Feb 2021	Wind Speed (kts)	9
F06	24 Feb 2021	Wind Dir	SW
F06	24 Feb 2021	Water Color	Green
F06	24 Feb 2021	Wave Ht Low (ft)	3
F06	24 Feb 2021	Wave Period (sec)	11
F06	24 Feb 2021	Sea State	Light chop
F06	24 Feb 2021	High Tide (ft)	5.51
F06	24 Feb 2021	High Tide Time	644
F06	24 Feb 2021	Low Tide (ft)	-0.91
F06	24 Feb 2021	Low Tide Time	1357
F06	24 Feb 2021	Comments	none
F07	24 Feb 2021	Depth (m)	64
F07	24 Feb 2021	Arrive Time	1132
F07	24 Feb 2021	Depart Time	1135
F07	24 Feb 2021	Air Temp (C)	14
F07	24 Feb 2021	Weather	Fog
F07	24 Feb 2021	Visibility (mi)	6
F07	24 Feb 2021	Wind Speed (kts)	9
F07	24 Feb 2021	Wind Dir	S
F07	24 Feb 2021	Water Color	Green

Station	Date	Parameter	Value
F07	24 Feb 2021	Wave Ht Low (ft)	3
F07	24 Feb 2021	Wave Period (sec)	11
F07	24 Feb 2021	Sea State	Light chop
F07	24 Feb 2021	High Tide (ft)	5.51
F07	24 Feb 2021	High Tide Time	644
F07	24 Feb 2021	Low Tide (ft)	-0.91
F07	24 Feb 2021	Low Tide Time	1357
F07	24 Feb 2021	Comments	none
F08	24 Feb 2021	Depth (m)	61
F08	24 Feb 2021	Arrive Time	1113
F08	24 Feb 2021	Depart Time	1120
F08	24 Feb 2021	Air Temp (C)	13
F08	24 Feb 2021	Weather	Fog
F08	24 Feb 2021	Visibility (mi)	5
F08	24 Feb 2021	Wind Speed (kts)	6
F08	24 Feb 2021	Wind Dir	SW
F08	24 Feb 2021	Water Color	Green
F08	24 Feb 2021	Wave Ht Low (ft)	3
F08	24 Feb 2021	Wave Period (sec)	11
F08	24 Feb 2021	Sea State	Light chop
F08	24 Feb 2021	High Tide (ft)	5.51
F08	24 Feb 2021	High Tide Time	644
F08	24 Feb 2021	Low Tide (ft)	-0.91
F08	24 Feb 2021	Low Tide Time	1357
F08	24 Feb 2021	Comments	none
F09	24 Feb 2021	Depth (m)	62
F09	24 Feb 2021	Arrive Time	1100
F09	24 Feb 2021	Depart Time	1105
F09	24 Feb 2021	Air Temp (C)	13
F09	24 Feb 2021	Weather	Fog
F09	24 Feb 2021	Visibility (mi)	5
F09	24 Feb 2021	Wind Speed (kts)	8
F09	24 Feb 2021	Wind Dir	SW
F09	24 Feb 2021	Water Color	Green
F09	24 Feb 2021	Wave Ht Low (ft)	3
F09	24 Feb 2021	Wave Period (sec)	11
F09	24 Feb 2021	Sea State	Light chop
F09	24 Feb 2021	High Tide (ft)	5.51
F09	24 Feb 2021	High Tide Time	644
F09	24 Feb 2021	Low Tide (ft)	-0.91
F09	24 Feb 2021	Low Tide Time	1357
F09	24 Feb 2021	Comments	none
F10	24 Feb 2021	Depth (m)	62
F10	24 Feb 2021	Arrive Time	1044
F10	24 Feb 2021	Depart Time	1048
F10	24 Feb 2021	Air Temp (C)	12
F10	24 Feb 2021	Weather	Haze
F10	24 Feb 2021	Visibility (mi)	14
F10	24 Feb 2021	Wind Speed (kts)	7
F10	24 Feb 2021	Wind Dir	SW
F10	24 Feb 2021	Water Color	Green
F10	24 Feb 2021	Wave Ht Low (ft)	3
F10	24 Feb 2021	Wave Period (sec)	11
F10	24 Feb 2021	Sea State	Light chop
F10	24 Feb 2021	High Tide (ft)	5.51
F10	24 Feb 2021	High Tide Time	644
F10	24 Feb 2021	Low Tide (ft)	-0.91
F10	24 Feb 2021	Low Tide Time	1357

Station	Date	Parameter	Value
F10	24 Feb 2021	Comments	none
F11	24 Feb 2021	Depth (m)	61
F11	24 Feb 2021	Arrive Time	1024
F11	24 Feb 2021	Depart Time	1028
F11	24 Feb 2021	Air Temp (C)	14
F11	24 Feb 2021	Weather	Haze
F11	24 Feb 2021	Visibility (mi)	14
F11	24 Feb 2021	Wind Speed (kts)	12
F11	24 Feb 2021	Wind Dir	S
F11	24 Feb 2021	Water Color	Green
F11	24 Feb 2021	Wave Ht Low (ft)	3
F11	24 Feb 2021	Wave Period (sec)	11
F11	24 Feb 2021	Sea State	Light chop
F11	24 Feb 2021	High Tide (ft)	5.51
F11	24 Feb 2021	High Tide Time	644
F11	24 Feb 2021	Low Tide (ft)	-0.91
F11	24 Feb 2021	Low Tide Time	1357
F11	24 Feb 2021	Comments	none
F12	24 Feb 2021	Depth (m)	62
F12	24 Feb 2021	Arrive Time	1006
F12	24 Feb 2021	Depart Time	1010
F12	24 Feb 2021	Air Temp (C)	15
F12	24 Feb 2021	Weather	Haze
F12	24 Feb 2021	Visibility (mi)	13
F12	24 Feb 2021	Wind Speed (kts)	9
F12	24 Feb 2021	Wind Dir	S
F12	24 Feb 2021	Water Color	Greenish-Blue
F12	24 Feb 2021	Wave Ht Low (ft)	3
F12	24 Feb 2021	Wave Period (sec)	11
F12	24 Feb 2021	Sea State	Light chop
F12	24 Feb 2021	High Tide (ft)	5.51
F12	24 Feb 2021	High Tide Time	644
F12	24 Feb 2021	Low Tide (ft)	-0.91
F12	24 Feb 2021	Low Tide Time	1357
F12	24 Feb 2021	Comments	none
F13	24 Feb 2021	Depth (m)	62
F13	24 Feb 2021	Arrive Time	949
F13	24 Feb 2021	Depart Time	952
F13	24 Feb 2021	Air Temp (C)	15
F13	24 Feb 2021	Weather	Haze
F13	24 Feb 2021	Visibility (mi)	13
F13	24 Feb 2021	Wind Speed (kts)	3
F13	24 Feb 2021	Wind Dir	SW
F13	24 Feb 2021	Water Color	Greenish-Blue
F13	24 Feb 2021	Wave Ht Low (ft)	3
F13	24 Feb 2021	Wave Period (sec)	11
F13	24 Feb 2021	Sea State	Light chop
F13	24 Feb 2021	High Tide (ft)	5.51
F13	24 Feb 2021	High Tide Time	644
F13	24 Feb 2021	Low Tide (ft)	-0.91
F13	24 Feb 2021	Low Tide Time	1357
F13	24 Feb 2021	Comments	none
F14	24 Feb 2021	Depth (m)	61
F14	24 Feb 2021	Arrive Time	933
F14	24 Feb 2021	Depart Time	938
F14	24 Feb 2021	Air Temp (C)	15
F14	24 Feb 2021	Weather	Haze

Station	Date	Parameter	Value
F14	24 Feb 2021	Visibility (mi)	13
F14	24 Feb 2021	Wind Speed (kts)	3
F14	24 Feb 2021	Wind Dir	S
F14	24 Feb 2021	Water Color	Greenish-Blue
F14	24 Feb 2021	Wave Ht Low (ft)	3
F14	24 Feb 2021	Wave Period (sec)	11
F14	24 Feb 2021	Sea State	Light chop
F14	24 Feb 2021	High Tide (ft)	5.51
F14	24 Feb 2021	High Tide Time	644
F14	24 Feb 2021	Low Tide (ft)	-0.91
F14	24 Feb 2021	Low Tide Time	1357
F14	24 Feb 2021	Comments	none
F15	25 Feb 2021	Depth (m)	82
F15	25 Feb 2021	Arrive Time	1150
F15	25 Feb 2021	Depart Time	1202
F15	25 Feb 2021	Air Temp (C)	16
F15	25 Feb 2021	Weather	Haze
F15	25 Feb 2021	Visibility (mi)	12
F15	25 Feb 2021	Wind Speed (kts)	6
F15	25 Feb 2021	Wind Dir	N
F15	25 Feb 2021	Water Color	Bluish-Green
F15	25 Feb 2021	Wave Ht Low (ft)	4
F15	25 Feb 2021	Wave Period (sec)	16
F15	25 Feb 2021	Sea State	Calm
F15	25 Feb 2021	High Tide (ft)	5.86
F15	25 Feb 2021	High Tide Time	723
F15	25 Feb 2021	Low Tide (ft)	-1.14
F15	25 Feb 2021	Low Tide Time	1427
F15	25 Feb 2021	Comments	none
F16	25 Feb 2021	Depth (m)	82
F16	25 Feb 2021	Arrive Time	1133
F16	25 Feb 2021	Depart Time	1140
F16	25 Feb 2021	Air Temp (C)	15
F16	25 Feb 2021	Weather	Haze
F16	25 Feb 2021	Visibility (mi)	12
F16	25 Feb 2021	Wind Speed (kts)	8
F16	25 Feb 2021	Wind Dir	NW
F16	25 Feb 2021	Water Color	Bluish-Green
F16	25 Feb 2021	Wave Ht Low (ft)	4
F16	25 Feb 2021	Wave Period (sec)	16
F16	25 Feb 2021	Sea State	Calm
F16	25 Feb 2021	High Tide (ft)	5.86
F16	25 Feb 2021	High Tide Time	723
F16	25 Feb 2021	Low Tide (ft)	-1.14
F16	25 Feb 2021	Low Tide Time	1427
F16	25 Feb 2021	Comments	none
F17	25 Feb 2021	Depth (m)	83
F17	25 Feb 2021	Arrive Time	1116
F17	25 Feb 2021	Depart Time	1124
F17	25 Feb 2021	Air Temp (C)	15
F17	25 Feb 2021	Weather	Haze
F17	25 Feb 2021	Visibility (mi)	12
F17	25 Feb 2021	Wind Speed (kts)	8
F17	25 Feb 2021	Wind Dir	NW
F17	25 Feb 2021	Water Color	Bluish-Green
F17	25 Feb 2021	Wave Ht Low (ft)	4
F17	25 Feb 2021	Wave Period (sec)	16
F17	25 Feb 2021	Sea State	Calm

Station	Date	Parameter	Value
F17	25 Feb 2021	High Tide (ft)	5.86
F17	25 Feb 2021	High Tide Time	723
F17	25 Feb 2021	Low Tide (ft)	-1.14
F17	25 Feb 2021	Low Tide Time	1427
F17	25 Feb 2021	Comments	none
F18	25 Feb 2021	Depth (m)	82
F18	25 Feb 2021	Arrive Time	1058
F18	25 Feb 2021	Depart Time	1105
F18	25 Feb 2021	Air Temp (C)	15
F18	25 Feb 2021	Weather	Haze
F18	25 Feb 2021	Visibility (mi)	12
F18	25 Feb 2021	Wind Speed (kts)	5
F18	25 Feb 2021	Wind Dir	N
F18	25 Feb 2021	Water Color	Bluish-Green
F18	25 Feb 2021	Wave Ht Low (ft)	4
F18	25 Feb 2021	Wave Period (sec)	16
F18	25 Feb 2021	Sea State	Calm
F18	25 Feb 2021	High Tide (ft)	5.86
F18	25 Feb 2021	High Tide Time	723
F18	25 Feb 2021	Low Tide (ft)	-1.14
F18	25 Feb 2021	Low Tide Time	1427
F18	25 Feb 2021	Comments	none
F19	25 Feb 2021	Depth (m)	78
F19	25 Feb 2021	Arrive Time	1042
F19	25 Feb 2021	Depart Time	1049
F19	25 Feb 2021	Air Temp (C)	14
F19	25 Feb 2021	Weather	Haze
F19	25 Feb 2021	Visibility (mi)	12
F19	25 Feb 2021	Wind Speed (kts)	5
F19	25 Feb 2021	Wind Dir	NW
F19	25 Feb 2021	Water Color	Bluish-Green
F19	25 Feb 2021	Wave Ht Low (ft)	4
F19	25 Feb 2021	Wave Period (sec)	16
F19	25 Feb 2021	Sea State	Calm
F19	25 Feb 2021	High Tide (ft)	5.86
F19	25 Feb 2021	High Tide Time	723
F19	25 Feb 2021	Low Tide (ft)	-1.14
F19	25 Feb 2021	Low Tide Time	1427
F19	25 Feb 2021	Comments	none
F20	25 Feb 2021	Depth (m)	83
F20	25 Feb 2021	Arrive Time	1025
F20	25 Feb 2021	Depart Time	1033
F20	25 Feb 2021	Air Temp (C)	14
F20	25 Feb 2021	Weather	Haze
F20	25 Feb 2021	Visibility (mi)	12
F20	25 Feb 2021	Wind Speed (kts)	4
F20	25 Feb 2021	Wind Dir	NW
F20	25 Feb 2021	Water Color	Bluish-Green
F20	25 Feb 2021	Wave Ht Low (ft)	4
F20	25 Feb 2021	Wave Period (sec)	16
F20	25 Feb 2021	Sea State	Calm
F20	25 Feb 2021	High Tide (ft)	5.86
F20	25 Feb 2021	High Tide Time	723
F20	25 Feb 2021	Low Tide (ft)	-1.14
F20	25 Feb 2021	Low Tide Time	1427
F20	25 Feb 2021	Comments	none
F21	25 Feb 2021	Depth (m)	85

Station	Date	Parameter	Value
F21	25 Feb 2021	Arrive Time	1007
F21	25 Feb 2021	Depart Time	1018
F21	25 Feb 2021	Air Temp (C)	14
F21	25 Feb 2021	Weather	Haze
F21	25 Feb 2021	Visibility (mi)	12
F21	25 Feb 2021	Wind Speed (kts)	5
F21	25 Feb 2021	Wind Dir	W
F21	25 Feb 2021	Water Color	Bluish-Green
F21	25 Feb 2021	Wave Ht Low (ft)	4
F21	25 Feb 2021	Wave Period (sec)	16
F21	25 Feb 2021	Sea State	Calm
F21	25 Feb 2021	High Tide (ft)	5.86
F21	25 Feb 2021	High Tide Time	723
F21	25 Feb 2021	Low Tide (ft)	-1.14
F21	25 Feb 2021	Low Tide Time	1427
F21	25 Feb 2021	Comments	none
F22	25 Feb 2021	Depth (m)	82
F22	25 Feb 2021	Arrive Time	952
F22	25 Feb 2021	Depart Time	958
F22	25 Feb 2021	Air Temp (C)	14
F22	25 Feb 2021	Weather	Haze
F22	25 Feb 2021	Visibility (mi)	10
F22	25 Feb 2021	Wind Speed (kts)	2
F22	25 Feb 2021	Wind Dir	NW
F22	25 Feb 2021	Water Color	Bluish-Green
F22	25 Feb 2021	Wave Ht Low (ft)	4
F22	25 Feb 2021	Wave Period (sec)	16
F22	25 Feb 2021	Sea State	Calm
F22	25 Feb 2021	High Tide (ft)	5.86
F22	25 Feb 2021	High Tide Time	723
F22	25 Feb 2021	Low Tide (ft)	-1.14
F22	25 Feb 2021	Low Tide Time	1427
F22	25 Feb 2021	Comments	none
F24	25 Feb 2021	Depth (m)	79
F24	25 Feb 2021	Arrive Time	920
F24	25 Feb 2021	Depart Time	927
F24	25 Feb 2021	Air Temp (C)	14
F24	25 Feb 2021	Weather	Haze
F24	25 Feb 2021	Visibility (mi)	10
F24	25 Feb 2021	Wind Speed (kts)	9
F24	25 Feb 2021	Wind Dir	N
F24	25 Feb 2021	Water Color	Bluish-Green
F24	25 Feb 2021	Wave Ht Low (ft)	4
F24	25 Feb 2021	Wave Period (sec)	16
F24	25 Feb 2021	Sea State	Calm
F24	25 Feb 2021	High Tide (ft)	5.86
F24	25 Feb 2021	High Tide Time	723
F24	25 Feb 2021	Low Tide (ft)	-1.14
F24	25 Feb 2021	Low Tide Time	1427
F24	25 Feb 2021	Comments	none
F25	25 Feb 2021	Depth (m)	82
F25	25 Feb 2021	Arrive Time	903
F25	25 Feb 2021	Depart Time	912
F25	25 Feb 2021	Air Temp (C)	13
F25	25 Feb 2021	Weather	Haze
F25	25 Feb 2021	Visibility (mi)	10
F25	25 Feb 2021	Wind Speed (kts)	10
F25	25 Feb 2021	Wind Dir	N

Station	Date	Parameter	Value
F25	25 Feb 2021	Water Color	Bluish-Green
F25	25 Feb 2021	Wave Ht Low (ft)	4
F25	25 Feb 2021	Wave Period (sec)	16
F25	25 Feb 2021	Sea State	Calm
F25	25 Feb 2021	High Tide (ft)	5.86
F25	25 Feb 2021	High Tide Time	723
F25	25 Feb 2021	Low Tide (ft)	-1.14
F25	25 Feb 2021	Low Tide Time	1427
F25	25 Feb 2021	Comments	none
F26	23 Feb 2021	Depth (m)	99
F26	23 Feb 2021	Arrive Time	1321
F26	23 Feb 2021	Depart Time	1324
F26	23 Feb 2021	Air Temp (C)	15
F26	23 Feb 2021	Weather	Haze
F26	23 Feb 2021	Visibility (mi)	17
F26	23 Feb 2021	Wind Speed (kts)	6
F26	23 Feb 2021	Wind Dir	W
F26	23 Feb 2021	Water Color	Brownish-Green
F26	23 Feb 2021	Wave Ht Low (ft)	2
F26	23 Feb 2021	Wave Period (sec)	11
F26	23 Feb 2021	Sea State	Light chop
F26	23 Feb 2021	High Tide (ft)	5.09
F26	23 Feb 2021	High Tide Time	602
F26	23 Feb 2021	Low Tide (ft)	-0.56
F26	23 Feb 2021	Low Tide Time	1326
F26	23 Feb 2021	Comments	none
F27	23 Feb 2021	Depth (m)	100
F27	23 Feb 2021	Arrive Time	1303
F27	23 Feb 2021	Depart Time	1311
F27	23 Feb 2021	Air Temp (C)	15
F27	23 Feb 2021	Weather	Haze
F27	23 Feb 2021	Visibility (mi)	15
F27	23 Feb 2021	Wind Speed (kts)	6
F27	23 Feb 2021	Wind Dir	NW
F27	23 Feb 2021	Water Color	Bluish-Green
F27	23 Feb 2021	Wave Ht Low (ft)	2
F27	23 Feb 2021	Wave Period (sec)	11
F27	23 Feb 2021	Sea State	Light chop
F27	23 Feb 2021	High Tide (ft)	5.09
F27	23 Feb 2021	High Tide Time	602
F27	23 Feb 2021	Low Tide (ft)	-0.56
F27	23 Feb 2021	Low Tide Time	1326
F27	23 Feb 2021	Comments	none
F28	23 Feb 2021	Depth (m)	103
F28	23 Feb 2021	Arrive Time	1249
F28	23 Feb 2021	Depart Time	1254
F28	23 Feb 2021	Air Temp (C)	15
F28	23 Feb 2021	Weather	Haze
F28	23 Feb 2021	Visibility (mi)	15
F28	23 Feb 2021	Wind Speed (kts)	5
F28	23 Feb 2021	Wind Dir	W
F28	23 Feb 2021	Water Color	Bluish-Green
F28	23 Feb 2021	Wave Ht Low (ft)	2
F28	23 Feb 2021	Wave Period (sec)	11
F28	23 Feb 2021	Sea State	Light chop
F28	23 Feb 2021	High Tide (ft)	5.09
F28	23 Feb 2021	High Tide Time	602
F28	23 Feb 2021	Low Tide (ft)	-0.56

Station	Date	Parameter	Value
F28	23 Feb 2021	Low Tide Time	1326
F28	23 Feb 2021	Comments	none
F29	23 Feb 2021	Depth (m)	100
F29	23 Feb 2021	Arrive Time	1229
F29	23 Feb 2021	Depart Time	1233
F29	23 Feb 2021	Air Temp (C)	15
F29	23 Feb 2021	Weather	Haze
F29	23 Feb 2021	Visibility (mi)	13
F29	23 Feb 2021	Wind Speed (kts)	5
F29	23 Feb 2021	Wind Dir	NW
F29	23 Feb 2021	Water Color	Bluish-Green
F29	23 Feb 2021	Wave Ht Low (ft)	2
F29	23 Feb 2021	Wave Period (sec)	11
F29	23 Feb 2021	Sea State	Light chop
F29	23 Feb 2021	High Tide (ft)	5.09
F29	23 Feb 2021	High Tide Time	602
F29	23 Feb 2021	Low Tide (ft)	-0.56
F29	23 Feb 2021	Low Tide Time	1326
F29	23 Feb 2021	Comments	none
F30	23 Feb 2021	Depth (m)	98
F30	23 Feb 2021	Arrive Time	1154
F30	23 Feb 2021	Depart Time	1158
F30	23 Feb 2021	Air Temp (C)	15
F30	23 Feb 2021	Weather	Haze
F30	23 Feb 2021	Visibility (mi)	13
F30	23 Feb 2021	Wind Speed (kts)	8
F30	23 Feb 2021	Wind Dir	NW
F30	23 Feb 2021	Water Color	Bluish-Green
F30	23 Feb 2021	Wave Ht Low (ft)	2
F30	23 Feb 2021	Wave Period (sec)	11
F30	23 Feb 2021	Sea State	Light chop
F30	23 Feb 2021	High Tide (ft)	5.09
F30	23 Feb 2021	High Tide Time	602
F30	23 Feb 2021	Low Tide (ft)	-0.56
F30	23 Feb 2021	Low Tide Time	1326
F30	23 Feb 2021	Comments	none
F31	23 Feb 2021	Depth (m)	101
F31	23 Feb 2021	Arrive Time	1124
F31	23 Feb 2021	Depart Time	1128
F31	23 Feb 2021	Air Temp (C)	15
F31	23 Feb 2021	Weather	Haze
F31	23 Feb 2021	Visibility (mi)	11
F31	23 Feb 2021	Wind Speed (kts)	5
F31	23 Feb 2021	Wind Dir	W
F31	23 Feb 2021	Water Color	Blue
F31	23 Feb 2021	Wave Ht Low (ft)	2
F31	23 Feb 2021	Wave Period (sec)	11
F31	23 Feb 2021	Sea State	Light chop
F31	23 Feb 2021	High Tide (ft)	5.09
F31	23 Feb 2021	High Tide Time	602
F31	23 Feb 2021	Low Tide (ft)	-0.56
F31	23 Feb 2021	Low Tide Time	1326
F31	23 Feb 2021	Comments	none
F32	23 Feb 2021	Depth (m)	104
F32	23 Feb 2021	Arrive Time	1108
F32	23 Feb 2021	Depart Time	1112
F32	23 Feb 2021	Air Temp (C)	15



Station	Date	Parameter	Value
F32	23 Feb 2021	Weather	Haze
F32	23 Feb 2021	Visibility (mi)	11
F32	23 Feb 2021	Wind Speed (kts)	6
F32	23 Feb 2021	Wind Dir	W
F32	23 Feb 2021	Water Color	Blue
F32	23 Feb 2021	Wave Ht Low (ft)	2
F32	23 Feb 2021	Wave Period (sec)	11
F32	23 Feb 2021	Sea State	Light chop
F32	23 Feb 2021	High Tide (ft)	5.09
F32	23 Feb 2021	High Tide Time	602
F32	23 Feb 2021	Low Tide (ft)	-0.56
F32	23 Feb 2021	Low Tide Time	1326
F32	23 Feb 2021	Comments	none
F33	23 Feb 2021	Depth (m)	103
F33	23 Feb 2021	Arrive Time	1049
F33	23 Feb 2021	Depart Time	1055
F33	23 Feb 2021	Air Temp (C)	15
F33	23 Feb 2021	Weather	Haze
F33	23 Feb 2021	Visibility (mi)	11
F33	23 Feb 2021	Wind Speed (kts)	6
F33	23 Feb 2021	Wind Dir	W
F33	23 Feb 2021	Water Color	Blue
F33	23 Feb 2021	Wave Ht Low (ft)	2
F33	23 Feb 2021	Wave Period (sec)	11
F33	23 Feb 2021	Sea State	Light chop
F33	23 Feb 2021	High Tide (ft)	5.09
F33	23 Feb 2021	High Tide Time	602
F33	23 Feb 2021	Low Tide (ft)	-0.56
F33	23 Feb 2021	Low Tide Time	1326
F33	23 Feb 2021	Comments	none
F34	23 Feb 2021	Depth (m)	101
F34	23 Feb 2021	Arrive Time	1032
F34	23 Feb 2021	Depart Time	1037
F34	23 Feb 2021	Air Temp (C)	14
F34	23 Feb 2021	Weather	Haze
F34	23 Feb 2021	Visibility (mi)	11
F34	23 Feb 2021	Wind Speed (kts)	4
F34	23 Feb 2021	Wind Dir	NW
F34	23 Feb 2021	Water Color	Blue
F34	23 Feb 2021	Wave Ht Low (ft)	2
F34	23 Feb 2021	Wave Period (sec)	11
F34	23 Feb 2021	Sea State	Light chop
F34	23 Feb 2021	High Tide (ft)	5.09
F34	23 Feb 2021	High Tide Time	602
F34	23 Feb 2021	Low Tide (ft)	-0.56
F34	23 Feb 2021	Low Tide Time	1326
F34	23 Feb 2021	Comments	none
F35	23 Feb 2021	Depth (m)	101
F35	23 Feb 2021	Arrive Time	949
F35	23 Feb 2021	Depart Time	1003
F35	23 Feb 2021	Air Temp (C)	14
F35	23 Feb 2021	Weather	Haze
F35	23 Feb 2021	Visibility (mi)	11
F35	23 Feb 2021	Wind Speed (kts)	4
F35	23 Feb 2021	Wind Dir	N
F35	23 Feb 2021	Water Color	Blue
F35	23 Feb 2021	Wave Ht Low (ft)	2
F35	23 Feb 2021	Wave Period (sec)	11

Station	Date	Parameter	Value
F35	23 Feb 2021	Sea State	Light chop
F35	23 Feb 2021	High Tide (ft)	5.09
F35	23 Feb 2021	High Tide Time	602
F35	23 Feb 2021	Low Tide (ft)	-0.56
F35	23 Feb 2021	Low Tide Time	1326
F35	23 Feb 2021	Comments	none
F36	23 Feb 2021	Depth (m)	103
F36	23 Feb 2021	Arrive Time	857
F36	23 Feb 2021	Depart Time	937
F36	23 Feb 2021	Air Temp (C)	14
F36	23 Feb 2021	Weather	Haze
F36	23 Feb 2021	Visibility (mi)	11
F36	23 Feb 2021	Wind Speed (kts)	2
F36	23 Feb 2021	Wind Dir	NE
F36	23 Feb 2021	Water Color	Blue
F36	23 Feb 2021	Wave Ht Low (ft)	3
F36	23 Feb 2021	Wave Period (sec)	11
F36	23 Feb 2021	Sea State	Calm
F36	23 Feb 2021	High Tide (ft)	5.09
F36	23 Feb 2021	High Tide Time	602
F36	23 Feb 2021	Low Tide (ft)	-0.56
F36	23 Feb 2021	Low Tide Time	1326
F36	23 Feb 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	24 Feb 2021	1	14.45	74.93	8.9	33.54	8.2	25.0	1.44
F01	24 Feb 2021	2	14.45	74.94	8.8	33.54	8.2	25.0	1.49
F01	24 Feb 2021	3	14.25	74.91	8.8	33.56	8.2	25.0	1.88
F01	24 Feb 2021	4	13.98	73.58	8.8	33.56	8.2	25.1	2.64
F01	24 Feb 2021	5	13.94	73.18	8.7	33.55	8.2	25.1	3.30
F01	24 Feb 2021	6	13.92	73.40	8.6	33.55	8.2	25.1	4.10
F01	24 Feb 2021	7	13.91	73.39	8.5	33.55	8.2	25.1	4.77
F01	24 Feb 2021	8	13.88	73.76	8.3	33.56	8.2	25.1	5.28
F01	24 Feb 2021	9	13.87	73.80	8.3	33.56	8.2	25.1	5.43
F01	24 Feb 2021	10	13.88	73.87	8.3	33.56	8.2	25.1	5.60
F01	24 Feb 2021	11	13.84	73.94	8.1	33.57	8.2	25.1	5.36
F01	24 Feb 2021	12	13.65	74.69	7.7	33.58	8.1	25.2	4.96
F01	24 Feb 2021	13	13.41	73.47	6.9	33.62	8.1	25.2	4.50
F01	24 Feb 2021	14	13.01	72.37	6.1	33.62	8.0	25.3	3.90
F01	24 Feb 2021	15	12.81	72.63	5.7	33.63	8.0	25.4	3.33
F01	24 Feb 2021	16	12.58	73.65	5.3	33.65	8.0	25.4	2.85
F01	24 Feb 2021	17	12.15	75.74	5.0	33.68	7.9	25.5	2.26
F01	24 Feb 2021	18	12.08	75.07	4.9	33.66	7.9	25.5	1.97
F02	24 Feb 2021	1	14.07	76.61	8.7	33.54	8.2	25.0	1.81
F02	24 Feb 2021	2	14.00	76.15	8.6	33.54	8.2	25.1	2.02
F02	24 Feb 2021	3	13.89	76.23	8.2	33.54	8.2	25.1	2.31
F02	24 Feb 2021	4	13.65	76.77	7.8	33.56	8.2	25.1	2.53
F02	24 Feb 2021	5	13.59	78.33	7.5	33.55	8.1	25.2	2.63
F02	24 Feb 2021	6	13.49	79.22	7.2	33.56	8.1	25.2	2.63
F02	24 Feb 2021	7	13.34	80.13	7.0	33.57	8.1	25.2	2.66
F02	24 Feb 2021	8	13.24	80.61	6.8	33.57	8.1	25.2	2.49
F02	24 Feb 2021	9	13.16	81.41	6.7	33.57	8.1	25.3	2.34
F02	24 Feb 2021	10	13.08	82.06	6.6	33.58	8.1	25.3	2.17
F02	24 Feb 2021	11	13.00	82.60	6.4	33.58	8.1	25.3	2.04
F02	24 Feb 2021	12	12.95	82.98	6.3	33.58	8.0	25.3	1.89
F02	24 Feb 2021	13	12.89	83.15	6.2	33.59	8.0	25.3	1.80
F02	24 Feb 2021	14	12.83	83.01	6.1	33.61	8.0	25.3	1.61
F02	24 Feb 2021	15	12.75	82.50	6.0	33.62	8.0	25.4	1.43
F02	24 Feb 2021	16	12.70	82.07	5.8	33.62	8.0	25.4	1.35
F02	24 Feb 2021	17	12.63	81.44	5.7	33.63	8.0	25.4	1.27
F02	24 Feb 2021	18	12.55	81.21	5.5	33.64	8.0	25.4	1.21
F02	24 Feb 2021	19	12.51	80.13	5.5	33.64	8.0	25.4	1.21
F02	24 Feb 2021	20	12.47	76.44	5.4	33.64	8.0	25.4	1.28
F03	24 Feb 2021	1	14.12	71.90	9.2	33.56	8.2	25.1	3.34
F03	24 Feb 2021	2	14.11	69.77	9.2	33.56	8.2	25.1	4.19
F03	24 Feb 2021	3	14.08	68.42	9.1	33.56	8.2	25.1	7.13
F03	24 Feb 2021	4	14.00	68.57	8.7	33.57	8.2	25.1	9.60
F03	24 Feb 2021	5	13.81	69.46	8.2	33.59	8.2	25.1	8.11
F03	24 Feb 2021	6	13.65	72.99	7.8	33.59	8.1	25.2	6.79
F03	24 Feb 2021	7	13.55	74.38	7.6	33.59	8.1	25.2	5.54
F03	24 Feb 2021	8	13.48	75.58	7.5	33.59	8.1	25.2	4.38
F03	24 Feb 2021	9	13.46	76.85	7.4	33.59	8.1	25.2	3.92
F03	24 Feb 2021	10	13.42	77.11	7.4	33.59	8.1	25.2	3.35
F03	24 Feb 2021	11	13.38	77.13	7.3	33.59	8.1	25.2	3.10
F03	24 Feb 2021	12	13.36	77.39	7.3	33.59	8.1	25.2	2.93
F03	24 Feb 2021	13	13.34	77.44	7.3	33.59	8.1	25.2	2.76
F03	24 Feb 2021	14	13.33	77.39	7.3	33.60	8.1	25.2	2.70
F03	24 Feb 2021	15	13.29	77.38	7.2	33.60	8.1	25.3	2.49
F03	24 Feb 2021	16	13.18	77.72	6.9	33.61	8.1	25.3	2.19

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F03	24 Feb 2021	17	12.73	78.33	6.3	33.66	8.0	25.4	1.97
F03	24 Feb 2021	18	12.61	77.25	5.8	33.64	8.0	25.4	1.81
F03	24 Feb 2021	19	12.59	74.57	5.8	33.64	8.0	25.4	1.85
F04	24 Feb 2021	1	14.80	80.74	8.8	33.50	8.2	24.9	0.66
F04	24 Feb 2021	2	14.78	80.61	8.8	33.50	8.2	24.9	0.65
F04	24 Feb 2021	3	14.70	80.59	8.8	33.51	8.2	24.9	0.69
F04	24 Feb 2021	4	14.49	80.48	8.9	33.52	8.2	24.9	0.80
F04	24 Feb 2021	5	14.27	79.87	8.8	33.53	8.2	25.0	0.97
F04	24 Feb 2021	6	14.01	79.77	8.3	33.52	8.2	25.0	1.39
F04	24 Feb 2021	7	13.64	78.98	7.7	33.53	8.2	25.1	1.88
F04	24 Feb 2021	8	13.49	78.62	7.3	33.53	8.1	25.2	2.23
F04	24 Feb 2021	9	13.38	79.11	6.9	33.55	8.1	25.2	2.41
F04	24 Feb 2021	10	12.90	81.54	6.4	33.54	8.1	25.3	2.25
F04	24 Feb 2021	11	12.64	83.98	6.1	33.55	8.0	25.3	1.81
F04	24 Feb 2021	12	12.12	85.78	5.8	33.57	8.0	25.5	1.37
F04	24 Feb 2021	13	12.01	86.65	5.7	33.54	8.0	25.5	1.18
F04	24 Feb 2021	14	11.98	86.84	5.7	33.54	8.0	25.5	1.06
F04	24 Feb 2021	15	11.83	86.98	5.6	33.56	8.0	25.5	0.96
F04	24 Feb 2021	16	11.66	87.15	5.5	33.57	8.0	25.5	0.90
F04	24 Feb 2021	17	11.57	87.28	5.5	33.57	7.9	25.6	0.89
F04	24 Feb 2021	18	11.54	87.32	5.4	33.57	7.9	25.6	0.88
F04	24 Feb 2021	19	11.52	87.33	5.4	33.58	7.9	25.6	0.89
F04	24 Feb 2021	20	11.48	87.40	5.4	33.58	7.9	25.6	0.84
F04	24 Feb 2021	21	11.43	87.43	5.3	33.59	7.9	25.6	0.85
F04	24 Feb 2021	22	11.39	87.56	5.3	33.60	7.9	25.6	0.81
F04	24 Feb 2021	23	11.39	87.61	5.2	33.63	7.9	25.6	0.78
F04	24 Feb 2021	24	11.32	87.68	5.0	33.67	7.9	25.7	0.74
F04	24 Feb 2021	25	11.30	87.75	5.0	33.67	7.9	25.7	0.72
F04	24 Feb 2021	26	11.27	87.80	4.9	33.68	7.9	25.7	0.68
F04	24 Feb 2021	27	11.23	87.81	4.9	33.69	7.9	25.7	0.66
F04	24 Feb 2021	28	11.22	87.82	4.9	33.69	7.9	25.7	0.64
F04	24 Feb 2021	29	11.20	87.88	4.8	33.71	7.9	25.7	0.66
F04	24 Feb 2021	30	11.20	87.94	4.8	33.72	7.9	25.7	0.67
F04	24 Feb 2021	31	11.21	87.91	4.8	33.72	7.9	25.7	0.68
F04	24 Feb 2021	32	11.22	87.92	4.7	33.73	7.9	25.7	0.64
F04	24 Feb 2021	33	11.23	87.86	4.7	33.74	7.9	25.8	0.61
F04	24 Feb 2021	34	11.16	87.95	4.6	33.75	7.9	25.8	0.59
F04	24 Feb 2021	35	11.14	87.88	4.6	33.77	7.9	25.8	0.57
F04	24 Feb 2021	36	11.15	87.93	4.5	33.78	7.9	25.8	0.57
F04	24 Feb 2021	37	11.16	87.83	4.4	33.80	7.8	25.8	0.54
F04	24 Feb 2021	38	11.16	87.78	4.3	33.80	7.8	25.8	0.52
F04	24 Feb 2021	39	11.15	87.79	4.3	33.81	7.8	25.8	0.54
F04	24 Feb 2021	40	11.13	87.86	4.3	33.81	7.8	25.8	0.51
F04	24 Feb 2021	41	11.10	87.88	4.3	33.81	7.8	25.8	0.51
F04	24 Feb 2021	42	11.01	87.99	4.3	33.83	7.8	25.9	0.48
F04	24 Feb 2021	43	10.88	87.98	4.3	33.83	7.8	25.9	0.45
F04	24 Feb 2021	44	10.83	87.86	4.2	33.83	7.8	25.9	0.42
F04	24 Feb 2021	45	10.81	87.64	4.2	33.83	7.8	25.9	0.40
F04	24 Feb 2021	46	10.80	87.84	4.2	33.83	7.8	25.9	0.39
F04	24 Feb 2021	47	10.80	87.85	4.1	33.83	7.8	25.9	0.38
F04	24 Feb 2021	48	10.78	87.81	4.1	33.83	7.8	25.9	0.38
F04	24 Feb 2021	49	10.77	87.73	4.1	33.83	7.8	25.9	0.37
F04	24 Feb 2021	50	10.76	87.72	4.1	33.83	7.8	25.9	0.37
F04	24 Feb 2021	51	10.76	87.74	4.1	33.84	7.8	25.9	0.36
F04	24 Feb 2021	52	10.75	87.74	4.1	33.84	7.8	25.9	0.35
F04	24 Feb 2021	53	10.74	87.68	4.1	33.84	7.8	25.9	0.35
F04	24 Feb 2021	54	10.74	87.68	4.0	33.84	7.8	25.9	0.36
F04	24 Feb 2021	55	10.73	87.51	3.9	33.85	7.8	25.9	0.35
F04	24 Feb 2021	56	10.69	87.46	3.9	33.87	7.8	25.9	0.34
F04	24 Feb 2021	57	10.64	87.34	3.8	33.88	7.8	26.0	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F04	24 Feb 2021	58	10.60	87.28	3.8	33.89	7.8	26.0	0.32
F04	24 Feb 2021	59	10.59	87.15	3.8	33.90	7.8	26.0	0.32
F04	24 Feb 2021	60	10.56	86.96	3.7	33.91	7.8	26.0	0.32
F04	24 Feb 2021	61	10.55	86.80	3.7	33.92	7.8	26.0	0.31
F05	24 Feb 2021	1	14.75	78.12	9.1	33.51	8.2	24.9	0.97
F05	24 Feb 2021	2	14.74	77.57	9.1	33.51	8.2	24.9	1.01
F05	24 Feb 2021	3	14.67	77.97	9.1	33.51	8.2	24.9	1.15
F05	24 Feb 2021	4	14.57	78.29	9.1	33.52	8.2	24.9	1.27
F05	24 Feb 2021	5	14.49	78.30	9.1	33.52	8.2	24.9	1.50
F05	24 Feb 2021	6	14.47	78.06	9.1	33.52	8.2	24.9	1.75
F05	24 Feb 2021	7	14.37	78.00	9.0	33.53	8.2	25.0	2.00
F05	24 Feb 2021	8	14.30	78.39	8.9	33.53	8.2	25.0	2.14
F05	24 Feb 2021	9	14.26	78.69	8.8	33.52	8.2	25.0	2.41
F05	24 Feb 2021	10	14.14	78.67	8.6	33.53	8.2	25.0	2.66
F05	24 Feb 2021	11	13.97	78.86	8.3	33.53	8.2	25.1	2.99
F05	24 Feb 2021	12	13.88	78.95	8.0	33.54	8.2	25.1	3.16
F05	24 Feb 2021	13	13.69	78.91	7.5	33.55	8.2	25.1	3.24
F05	24 Feb 2021	14	13.42	79.17	7.1	33.56	8.1	25.2	3.23
F05	24 Feb 2021	15	13.16	80.27	6.5	33.58	8.1	25.3	2.89
F05	24 Feb 2021	16	12.36	85.17	6.1	33.56	8.0	25.4	2.15
F05	24 Feb 2021	17	12.26	86.04	5.9	33.54	8.0	25.4	1.78
F05	24 Feb 2021	18	12.06	86.28	5.7	33.56	8.0	25.5	1.62
F05	24 Feb 2021	19	11.97	86.38	5.6	33.56	8.0	25.5	1.54
F05	24 Feb 2021	20	11.95	86.51	5.6	33.56	8.0	25.5	1.42
F05	24 Feb 2021	21	11.90	86.59	5.5	33.58	8.0	25.5	1.35
F05	24 Feb 2021	22	11.82	86.86	5.4	33.60	7.9	25.5	1.26
F05	24 Feb 2021	23	11.82	86.88	5.3	33.61	7.9	25.5	1.20
F05	24 Feb 2021	24	11.71	87.04	5.0	33.68	7.9	25.6	1.13
F05	24 Feb 2021	25	11.52	87.30	4.9	33.69	7.9	25.7	1.05
F05	24 Feb 2021	26	11.51	87.42	4.9	33.68	7.9	25.7	0.99
F05	24 Feb 2021	27	11.41	87.49	4.9	33.69	7.9	25.7	0.92
F05	24 Feb 2021	28	11.34	87.54	4.9	33.70	7.9	25.7	0.83
F05	24 Feb 2021	29	11.29	87.65	4.8	33.71	7.9	25.7	0.80
F05	24 Feb 2021	30	11.26	87.66	4.7	33.74	7.9	25.7	0.74
F05	24 Feb 2021	31	11.25	87.73	4.6	33.75	7.9	25.8	0.70
F05	24 Feb 2021	32	11.25	87.72	4.5	33.76	7.9	25.8	0.66
F05	24 Feb 2021	33	11.25	87.72	4.5	33.77	7.9	25.8	0.64
F05	24 Feb 2021	34	11.24	87.74	4.5	33.77	7.9	25.8	0.60
F05	24 Feb 2021	35	11.23	87.80	4.5	33.78	7.9	25.8	0.59
F05	24 Feb 2021	36	11.18	87.84	4.4	33.79	7.9	25.8	0.55
F05	24 Feb 2021	37	11.16	87.88	4.4	33.79	7.9	25.8	0.54
F05	24 Feb 2021	38	11.14	87.92	4.4	33.79	7.9	25.8	0.54
F05	24 Feb 2021	39	11.13	87.99	4.5	33.79	7.9	25.8	0.54
F05	24 Feb 2021	40	11.05	87.99	4.5	33.79	7.9	25.8	0.55
F05	24 Feb 2021	41	10.99	88.06	4.5	33.78	7.9	25.8	0.56
F05	24 Feb 2021	42	10.96	87.79	4.3	33.80	7.8	25.9	0.50
F05	24 Feb 2021	43	10.95	87.24	4.0	33.84	7.8	25.9	0.45
F05	24 Feb 2021	44	10.93	87.20	4.0	33.84	7.8	25.9	0.42
F05	24 Feb 2021	45	10.89	87.23	4.0	33.84	7.8	25.9	0.41
F05	24 Feb 2021	46	10.86	87.21	3.9	33.85	7.8	25.9	0.38
F05	24 Feb 2021	47	10.84	87.21	3.9	33.85	7.8	25.9	0.39
F05	24 Feb 2021	48	10.82	87.22	3.9	33.85	7.8	25.9	0.38
F05	24 Feb 2021	49	10.80	87.21	3.9	33.85	7.8	25.9	0.36
F05	24 Feb 2021	50	10.77	87.21	3.9	33.86	7.8	25.9	0.37
F05	24 Feb 2021	51	10.74	87.20	3.8	33.86	7.8	25.9	0.35
F05	24 Feb 2021	52	10.69	87.15	3.8	33.88	7.8	26.0	0.34
F05	24 Feb 2021	53	10.67	87.10	3.8	33.89	7.8	26.0	0.33
F05	24 Feb 2021	54	10.66	87.03	3.7	33.89	7.8	26.0	0.32
F05	24 Feb 2021	55	10.63	86.95	3.7	33.90	7.8	26.0	0.33
F05	24 Feb 2021	56	10.62	86.86	3.7	33.90	7.8	26.0	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F05	24 Feb 2021	57	10.62	86.86	3.7	33.90	7.8	26.0	0.32
F05	24 Feb 2021	58	10.61	86.86	3.7	33.91	7.8	26.0	0.33
F05	24 Feb 2021	59	10.60	86.83	3.6	33.91	7.8	26.0	0.32
F05	24 Feb 2021	60	10.53	86.30	3.6	33.94	7.8	26.0	0.32
F05	24 Feb 2021	61	10.50	85.75	3.6	33.96	7.8	26.1	0.32
F06	24 Feb 2021	1	14.91	77.72	9.2	33.53	8.3	24.9	0.91
F06	24 Feb 2021	2	14.86	77.70	9.2	33.53	8.3	24.9	0.96
F06	24 Feb 2021	3	14.78	77.53	9.3	33.53	8.3	24.9	1.08
F06	24 Feb 2021	4	14.70	76.52	9.3	33.53	8.3	24.9	1.31
F06	24 Feb 2021	5	14.67	76.35	9.3	33.53	8.3	24.9	1.51
F06	24 Feb 2021	6	14.62	77.16	9.3	33.53	8.3	24.9	1.64
F06	24 Feb 2021	7	14.58	78.02	9.1	33.53	8.3	24.9	1.81
F06	24 Feb 2021	8	14.45	78.42	8.9	33.53	8.2	25.0	2.06
F06	24 Feb 2021	9	14.39	78.50	8.9	33.53	8.2	25.0	2.28
F06	24 Feb 2021	10	14.31	78.70	8.8	33.53	8.2	25.0	2.52
F06	24 Feb 2021	11	14.26	78.89	8.7	33.53	8.2	25.0	2.59
F06	24 Feb 2021	12	14.21	78.81	8.6	33.53	8.2	25.0	2.73
F06	24 Feb 2021	13	14.12	78.84	8.3	33.54	8.2	25.0	2.95
F06	24 Feb 2021	14	13.76	78.80	7.8	33.56	8.2	25.1	3.18
F06	24 Feb 2021	15	13.58	79.12	7.6	33.55	8.1	25.1	3.31
F06	24 Feb 2021	16	13.58	79.83	7.3	33.54	8.1	25.1	3.44
F06	24 Feb 2021	17	13.10	81.09	6.7	33.57	8.1	25.3	3.03
F06	24 Feb 2021	18	12.70	84.29	6.4	33.55	8.0	25.3	2.62
F06	24 Feb 2021	19	12.65	85.11	6.3	33.53	8.0	25.3	2.41
F06	24 Feb 2021	20	12.62	85.19	6.3	33.53	8.0	25.3	2.50
F06	24 Feb 2021	21	12.60	84.96	6.3	33.54	8.0	25.3	2.33
F06	24 Feb 2021	22	12.60	84.57	6.3	33.55	8.0	25.3	2.23
F06	24 Feb 2021	23	12.48	84.65	6.2	33.58	8.0	25.4	2.26
F06	24 Feb 2021	24	12.37	84.94	6.0	33.59	8.0	25.4	2.11
F06	24 Feb 2021	25	12.15	85.44	5.7	33.62	8.0	25.5	1.86
F06	24 Feb 2021	26	11.98	85.68	5.4	33.64	8.0	25.5	1.71
F06	24 Feb 2021	27	11.94	85.73	5.2	33.65	7.9	25.6	1.56
F06	24 Feb 2021	28	11.85	85.84	5.1	33.66	7.9	25.6	1.46
F06	24 Feb 2021	29	11.74	85.80	4.9	33.69	7.9	25.6	1.33
F06	24 Feb 2021	30	11.70	85.67	4.8	33.69	7.9	25.6	1.22
F06	24 Feb 2021	31	11.64	85.70	4.7	33.71	7.9	25.7	1.04
F06	24 Feb 2021	32	11.62	85.48	4.7	33.71	7.9	25.7	0.99
F06	24 Feb 2021	33	11.61	85.51	4.7	33.71	7.9	25.7	0.94
F06	24 Feb 2021	34	11.55	85.35	4.6	33.73	7.9	25.7	0.87
F06	24 Feb 2021	35	11.49	85.51	4.5	33.75	7.9	25.7	0.82
F06	24 Feb 2021	36	11.47	85.87	4.4	33.75	7.9	25.7	0.78
F06	24 Feb 2021	37	11.40	86.05	4.4	33.77	7.9	25.7	0.74
F06	24 Feb 2021	38	11.35	86.22	4.3	33.77	7.9	25.8	0.70
F06	24 Feb 2021	39	11.34	86.33	4.3	33.77	7.8	25.8	0.65
F06	24 Feb 2021	40	11.30	86.34	4.2	33.78	7.8	25.8	0.64
F06	24 Feb 2021	41	11.25	86.53	4.2	33.79	7.8	25.8	0.60
F06	24 Feb 2021	42	11.22	86.46	4.1	33.80	7.8	25.8	0.57
F06	24 Feb 2021	43	11.05	86.90	4.1	33.82	7.8	25.9	0.52
F06	24 Feb 2021	44	10.96	87.17	4.0	33.83	7.8	25.9	0.47
F06	24 Feb 2021	45	10.91	87.16	4.0	33.84	7.8	25.9	0.45
F06	24 Feb 2021	46	10.87	87.04	4.0	33.84	7.8	25.9	0.40
F06	24 Feb 2021	47	10.85	87.07	3.9	33.85	7.8	25.9	0.39
F06	24 Feb 2021	48	10.83	87.11	3.9	33.85	7.8	25.9	0.38
F06	24 Feb 2021	49	10.81	87.21	4.0	33.85	7.8	25.9	0.38
F06	24 Feb 2021	50	10.79	87.20	4.0	33.85	7.8	25.9	0.38
F06	24 Feb 2021	51	10.73	87.36	4.0	33.85	7.8	25.9	0.36
F06	24 Feb 2021	52	10.70	87.26	3.9	33.87	7.8	25.9	0.35
F06	24 Feb 2021	53	10.70	86.98	3.8	33.88	7.8	26.0	0.35
F06	24 Feb 2021	54	10.70	86.88	3.8	33.88	7.8	26.0	0.34
F06	24 Feb 2021	55	10.68	86.78	3.8	33.88	7.8	26.0	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F06	24 Feb 2021	56	10.68	86.71	3.8	33.89	7.8	26.0	0.34
F06	24 Feb 2021	57	10.68	86.64	3.8	33.89	7.8	26.0	0.33
F06	24 Feb 2021	58	10.68	86.49	3.7	33.89	7.8	26.0	0.34
F06	24 Feb 2021	59	10.67	86.26	3.7	33.89	7.8	26.0	0.34
F06	24 Feb 2021	60	10.66	85.49	3.7	33.90	7.8	26.0	0.33
F06	24 Feb 2021	61	10.64	84.93	3.7	33.90	7.8	26.0	0.33
F07	24 Feb 2021	1	14.92	77.99	9.2	33.50	8.3	24.8	0.91
F07	24 Feb 2021	2	14.88	77.71	9.2	33.53	8.3	24.9	0.95
F07	24 Feb 2021	3	14.88	77.63	9.2	33.53	8.3	24.9	1.02
F07	24 Feb 2021	4	14.80	76.74	9.2	33.53	8.3	24.9	1.29
F07	24 Feb 2021	5	14.76	75.92	9.2	33.53	8.3	24.9	1.73
F07	24 Feb 2021	6	14.72	75.17	9.3	33.53	8.3	24.9	2.29
F07	24 Feb 2021	7	14.71	75.44	9.4	33.53	8.3	24.9	2.94
F07	24 Feb 2021	8	14.66	76.10	9.4	33.53	8.3	24.9	3.27
F07	24 Feb 2021	9	14.62	76.84	9.3	33.53	8.3	24.9	3.49
F07	24 Feb 2021	10	14.51	77.37	9.1	33.54	8.3	24.9	3.52
F07	24 Feb 2021	11	14.40	78.50	8.9	33.52	8.2	25.0	3.23
F07	24 Feb 2021	12	14.02	79.20	8.2	33.55	8.2	25.1	3.14
F07	24 Feb 2021	13	13.66	79.69	7.6	33.54	8.2	25.1	3.22
F07	24 Feb 2021	14	13.47	81.09	7.4	33.52	8.1	25.1	3.12
F07	24 Feb 2021	15	13.38	81.63	7.4	33.52	8.1	25.2	3.04
F07	24 Feb 2021	16	13.36	81.81	7.4	33.53	8.1	25.2	2.88
F07	24 Feb 2021	17	13.26	82.02	7.3	33.54	8.1	25.2	3.00
F07	24 Feb 2021	18	13.20	81.93	7.1	33.54	8.1	25.2	2.92
F07	24 Feb 2021	19	12.82	82.45	6.6	33.59	8.1	25.3	2.64
F07	24 Feb 2021	20	12.50	84.13	6.1	33.59	8.0	25.4	2.31
F07	24 Feb 2021	21	12.41	84.61	5.9	33.59	8.0	25.4	2.10
F07	24 Feb 2021	22	12.42	84.16	5.8	33.59	8.0	25.4	2.11
F07	24 Feb 2021	23	12.42	82.25	5.6	33.62	8.0	25.4	2.09
F07	24 Feb 2021	24	12.35	81.35	5.4	33.63	8.0	25.5	2.03
F07	24 Feb 2021	25	12.22	81.34	5.3	33.65	8.0	25.5	1.81
F07	24 Feb 2021	26	12.05	82.26	5.1	33.66	7.9	25.5	1.57
F07	24 Feb 2021	27	11.99	82.69	5.0	33.66	7.9	25.6	1.42
F07	24 Feb 2021	28	11.84	83.08	4.8	33.69	7.9	25.6	1.28
F07	24 Feb 2021	29	11.71	84.30	4.8	33.70	7.9	25.6	1.14
F07	24 Feb 2021	30	11.58	85.70	4.7	33.72	7.9	25.7	1.04
F07	24 Feb 2021	31	11.49	85.77	4.5	33.74	7.9	25.7	0.86
F07	24 Feb 2021	32	11.34	86.10	4.3	33.78	7.9	25.8	0.73
F07	24 Feb 2021	33	11.21	86.52	4.1	33.80	7.8	25.8	0.64
F07	24 Feb 2021	34	11.18	86.64	4.0	33.81	7.8	25.8	0.58
F07	24 Feb 2021	35	11.15	86.78	4.0	33.81	7.8	25.8	0.53
F07	24 Feb 2021	36	11.07	87.13	4.1	33.81	7.8	25.8	0.50
F07	24 Feb 2021	37	11.02	87.50	4.2	33.81	7.8	25.8	0.49
F07	24 Feb 2021	38	10.98	87.67	4.2	33.81	7.8	25.9	0.48
F07	24 Feb 2021	39	10.93	87.61	4.2	33.82	7.8	25.9	0.44
F07	24 Feb 2021	40	10.89	87.48	4.1	33.83	7.8	25.9	0.43
F07	24 Feb 2021	41	10.87	87.34	4.0	33.83	7.8	25.9	0.41
F07	24 Feb 2021	42	10.87	87.08	4.0	33.83	7.8	25.9	0.40
F07	24 Feb 2021	43	10.88	87.03	4.0	33.84	7.8	25.9	0.40
F07	24 Feb 2021	44	10.88	86.94	4.0	33.84	7.8	25.9	0.41
F07	24 Feb 2021	45	10.87	86.77	4.0	33.84	7.8	25.9	0.39
F07	24 Feb 2021	46	10.88	86.75	4.0	33.84	7.8	25.9	0.40
F07	24 Feb 2021	47	10.87	86.62	3.9	33.84	7.8	25.9	0.40
F07	24 Feb 2021	48	10.86	86.62	3.9	33.85	7.8	25.9	0.39
F07	24 Feb 2021	49	10.83	87.08	4.0	33.85	7.8	25.9	0.38
F07	24 Feb 2021	50	10.79	87.20	4.0	33.85	7.8	25.9	0.38
F07	24 Feb 2021	51	10.76	87.41	4.0	33.85	7.8	25.9	0.37
F07	24 Feb 2021	52	10.76	87.27	4.0	33.85	7.8	25.9	0.36
F07	24 Feb 2021	53	10.77	87.29	4.0	33.85	7.8	25.9	0.36
F07	24 Feb 2021	54	10.76	87.39	4.0	33.86	7.8	25.9	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F07	24 Feb 2021	55	10.76	87.23	3.9	33.86	7.8	25.9	0.35
F07	24 Feb 2021	56	10.75	86.99	3.9	33.86	7.8	25.9	0.35
F07	24 Feb 2021	57	10.73	87.10	3.9	33.87	7.8	25.9	0.35
F07	24 Feb 2021	58	10.72	86.99	3.8	33.87	7.8	25.9	0.34
F07	24 Feb 2021	59	10.72	86.91	3.8	33.87	7.8	25.9	0.35
F07	24 Feb 2021	60	10.72	86.81	3.8	33.88	7.8	25.9	0.35
F07	24 Feb 2021	61	10.69	86.63	3.8	33.89	7.8	26.0	0.34
F07	24 Feb 2021	62	10.64	86.39	3.7	33.90	7.8	26.0	0.33
F07	24 Feb 2021	63	10.61	86.11	3.6	33.91	7.8	26.0	0.33
F07	24 Feb 2021	64	10.54	84.82	3.6	33.94	7.8	26.0	0.33
F08	24 Feb 2021	1	14.65	78.67	9.1	33.52	8.2	24.9	1.00
F08	24 Feb 2021	2	14.68	78.78	9.1	33.52	8.2	24.9	1.01
F08	24 Feb 2021	3	14.50	78.52	9.1	33.53	8.2	24.9	1.14
F08	24 Feb 2021	4	14.44	78.29	9.1	33.52	8.2	24.9	1.33
F08	24 Feb 2021	5	14.42	78.37	9.0	33.52	8.2	25.0	1.53
F08	24 Feb 2021	6	14.37	77.96	8.9	33.52	8.2	25.0	1.81
F08	24 Feb 2021	7	14.31	78.36	8.8	33.53	8.2	25.0	2.03
F08	24 Feb 2021	8	14.24	78.26	8.8	33.52	8.2	25.0	2.38
F08	24 Feb 2021	9	14.20	78.35	8.8	33.52	8.2	25.0	2.62
F08	24 Feb 2021	10	14.16	78.39	8.7	33.52	8.2	25.0	2.80
F08	24 Feb 2021	11	14.08	78.35	8.6	33.53	8.2	25.0	3.03
F08	24 Feb 2021	12	13.97	78.60	8.6	33.52	8.2	25.1	3.13
F08	24 Feb 2021	13	13.93	78.59	8.5	33.53	8.2	25.1	3.26
F08	24 Feb 2021	14	13.88	78.11	8.4	33.54	8.2	25.1	3.33
F08	24 Feb 2021	15	13.83	77.89	8.3	33.54	8.2	25.1	3.42
F08	24 Feb 2021	16	13.79	78.03	8.3	33.54	8.2	25.1	3.56
F08	24 Feb 2021	17	13.70	77.95	8.0	33.55	8.2	25.1	3.65
F08	24 Feb 2021	18	13.46	78.60	7.4	33.57	8.2	25.2	3.42
F08	24 Feb 2021	19	12.90	80.50	6.5	33.62	8.1	25.3	2.96
F08	24 Feb 2021	20	12.24	82.79	5.5	33.67	8.0	25.5	2.20
F08	24 Feb 2021	21	11.87	84.03	4.9	33.71	7.9	25.6	1.65
F08	24 Feb 2021	22	11.64	84.66	4.6	33.73	7.9	25.7	1.26
F08	24 Feb 2021	23	11.50	84.98	4.5	33.74	7.9	25.7	1.03
F08	24 Feb 2021	24	11.45	85.24	4.4	33.75	7.9	25.7	0.87
F08	24 Feb 2021	25	11.39	85.41	4.3	33.76	7.9	25.7	0.80
F08	24 Feb 2021	26	11.35	85.36	4.3	33.77	7.9	25.8	0.75
F08	24 Feb 2021	27	11.35	85.41	4.3	33.77	7.8	25.8	0.70
F08	24 Feb 2021	28	11.34	85.37	4.2	33.77	7.8	25.8	0.68
F08	24 Feb 2021	29	11.33	85.32	4.2	33.78	7.8	25.8	0.72
F08	24 Feb 2021	30	11.33	85.31	4.2	33.78	7.8	25.8	0.68
F08	24 Feb 2021	31	11.32	85.33	4.2	33.78	7.8	25.8	0.66
F08	24 Feb 2021	32	11.30	85.31	4.2	33.78	7.8	25.8	0.68
F08	24 Feb 2021	33	11.28	85.53	4.2	33.78	7.8	25.8	0.63
F08	24 Feb 2021	34	11.28	85.47	4.2	33.79	7.8	25.8	0.62
F08	24 Feb 2021	35	11.27	85.66	4.2	33.79	7.8	25.8	0.63
F08	24 Feb 2021	36	11.26	85.89	4.2	33.78	7.8	25.8	0.62
F08	24 Feb 2021	37	11.26	85.81	4.2	33.78	7.8	25.8	0.62
F08	24 Feb 2021	38	11.24	85.91	4.2	33.79	7.8	25.8	0.62
F08	24 Feb 2021	39	11.24	86.10	4.2	33.79	7.8	25.8	0.60
F08	24 Feb 2021	40	11.22	86.27	4.3	33.79	7.8	25.8	0.61
F08	24 Feb 2021	41	11.18	86.52	4.3	33.80	7.8	25.8	0.58
F08	24 Feb 2021	42	11.07	86.94	4.2	33.81	7.8	25.8	0.53
F08	24 Feb 2021	43	11.07	86.97	4.2	33.81	7.8	25.8	0.50
F08	24 Feb 2021	44	11.07	86.79	4.2	33.81	7.8	25.8	0.50
F08	24 Feb 2021	45	11.07	86.50	4.1	33.81	7.8	25.8	0.50
F08	24 Feb 2021	46	11.07	86.33	4.1	33.82	7.8	25.8	0.50
F08	24 Feb 2021	47	11.06	86.24	4.0	33.82	7.8	25.8	0.49
F08	24 Feb 2021	48	11.05	86.10	4.0	33.82	7.8	25.9	0.47
F08	24 Feb 2021	49	11.02	86.05	4.0	33.83	7.8	25.9	0.47
F08	24 Feb 2021	50	11.01	85.92	4.0	33.83	7.8	25.9	0.44



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F08	24 Feb 2021	51	11.00	85.86	4.0	33.83	7.8	25.9	0.44
F08	24 Feb 2021	52	10.95	85.93	3.9	33.84	7.8	25.9	0.42
F08	24 Feb 2021	53	10.93	85.94	3.9	33.84	7.8	25.9	0.40
F08	24 Feb 2021	54	10.87	85.87	3.9	33.85	7.8	25.9	0.38
F08	24 Feb 2021	55	10.82	85.80	3.8	33.86	7.8	25.9	0.37
F08	24 Feb 2021	56	10.80	85.90	3.8	33.86	7.8	25.9	0.36
F08	24 Feb 2021	57	10.79	85.96	3.8	33.86	7.8	25.9	0.35
F08	24 Feb 2021	58	10.79	85.97	3.8	33.86	7.8	25.9	0.35
F08	24 Feb 2021	59	10.77	86.20	3.8	33.87	7.8	25.9	0.35
F08	24 Feb 2021	60	10.68	86.31	3.7	33.88	7.8	26.0	0.34
F08	24 Feb 2021	61	10.66	86.07	3.7	33.89	7.8	26.0	0.33
F09	24 Feb 2021	1	14.47	77.98	8.9	33.52	8.2	24.9	1.20
F09	24 Feb 2021	2	14.40	78.12	8.8	33.53	8.2	25.0	1.30
F09	24 Feb 2021	3	14.28	77.96	8.7	33.53	8.2	25.0	1.57
F09	24 Feb 2021	4	14.27	77.90	8.7	33.53	8.2	25.0	1.76
F09	24 Feb 2021	5	14.20	77.86	8.5	33.54	8.2	25.0	1.98
F09	24 Feb 2021	6	13.98	77.62	8.3	33.55	8.2	25.1	2.44
F09	24 Feb 2021	7	13.86	77.33	8.3	33.54	8.2	25.1	2.97
F09	24 Feb 2021	8	13.86	77.34	8.2	33.54	8.2	25.1	3.25
F09	24 Feb 2021	9	13.85	77.43	8.1	33.54	8.2	25.1	3.49
F09	24 Feb 2021	10	13.64	77.39	7.9	33.56	8.2	25.1	3.39
F09	24 Feb 2021	11	13.65	78.52	7.8	33.56	8.1	25.1	3.43
F09	24 Feb 2021	12	13.47	79.07	7.5	33.57	8.1	25.2	3.52
F09	24 Feb 2021	13	13.43	79.10	7.4	33.57	8.1	25.2	3.36
F09	24 Feb 2021	14	13.45	79.16	7.4	33.56	8.1	25.2	3.36
F09	24 Feb 2021	15	13.44	79.15	7.4	33.57	8.1	25.2	3.37
F09	24 Feb 2021	16	13.38	79.36	7.2	33.57	8.1	25.2	3.29
F09	24 Feb 2021	17	13.24	79.54	6.7	33.60	8.1	25.3	3.01
F09	24 Feb 2021	18	12.60	80.57	6.0	33.67	8.0	25.4	2.45
F09	24 Feb 2021	19	12.33	82.87	5.5	33.64	8.0	25.5	1.89
F09	24 Feb 2021	20	12.21	83.78	5.4	33.64	8.0	25.5	1.70
F09	24 Feb 2021	21	12.11	84.12	5.3	33.64	8.0	25.5	1.55
F09	24 Feb 2021	22	11.87	84.77	5.1	33.67	7.9	25.6	1.36
F09	24 Feb 2021	23	11.72	85.74	5.0	33.67	7.9	25.6	1.20
F09	24 Feb 2021	24	11.75	85.38	4.9	33.67	7.9	25.6	1.15
F09	24 Feb 2021	25	11.74	84.95	4.9	33.69	7.9	25.6	1.08
F09	24 Feb 2021	26	11.73	84.92	4.9	33.69	7.9	25.6	1.12
F09	24 Feb 2021	27	11.75	84.91	4.8	33.70	7.9	25.6	1.07
F09	24 Feb 2021	28	11.76	84.63	4.8	33.71	7.9	25.6	1.06
F09	24 Feb 2021	29	11.74	84.60	4.7	33.72	7.9	25.6	1.12
F09	24 Feb 2021	30	11.63	84.68	4.5	33.75	7.9	25.7	0.88
F09	24 Feb 2021	31	11.43	84.95	4.4	33.78	7.9	25.7	0.78
F09	24 Feb 2021	32	11.39	85.20	4.3	33.77	7.8	25.8	0.72
F09	24 Feb 2021	33	11.38	85.13	4.3	33.78	7.8	25.8	0.69
F09	24 Feb 2021	34	11.36	85.26	4.3	33.78	7.8	25.8	0.67
F09	24 Feb 2021	35	11.32	85.47	4.2	33.78	7.8	25.8	0.67
F09	24 Feb 2021	36	11.28	86.05	4.2	33.78	7.8	25.8	0.64
F09	24 Feb 2021	37	11.23	86.31	4.2	33.79	7.8	25.8	0.60
F09	24 Feb 2021	38	11.15	86.66	4.2	33.80	7.8	25.8	0.56
F09	24 Feb 2021	39	11.06	86.70	4.1	33.82	7.8	25.8	0.50
F09	24 Feb 2021	40	11.02	86.61	4.0	33.82	7.8	25.9	0.49
F09	24 Feb 2021	41	10.97	86.49	4.0	33.83	7.8	25.9	0.45
F09	24 Feb 2021	42	10.93	86.15	4.0	33.83	7.8	25.9	0.42
F09	24 Feb 2021	43	10.93	86.18	4.0	33.83	7.8	25.9	0.41
F09	24 Feb 2021	44	10.93	86.00	4.0	33.83	7.8	25.9	0.40
F09	24 Feb 2021	45	10.93	85.97	4.0	33.84	7.8	25.9	0.42
F09	24 Feb 2021	46	10.91	85.85	3.9	33.84	7.8	25.9	0.40
F09	24 Feb 2021	47	10.89	85.64	3.9	33.84	7.8	25.9	0.39
F09	24 Feb 2021	48	10.88	85.69	3.9	33.84	7.8	25.9	0.40
F09	24 Feb 2021	49	10.86	85.58	3.9	33.85	7.8	25.9	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F09	24 Feb 2021	50	10.84	85.37	3.9	33.85	7.8	25.9	0.37
F09	24 Feb 2021	51	10.84	85.44	3.9	33.85	7.8	25.9	0.37
F09	24 Feb 2021	52	10.83	85.43	3.9	33.85	7.8	25.9	0.37
F09	24 Feb 2021	53	10.79	85.37	3.8	33.87	7.8	25.9	0.36
F09	24 Feb 2021	54	10.75	85.46	3.8	33.87	7.8	25.9	0.36
F09	24 Feb 2021	55	10.69	85.42	3.7	33.88	7.8	26.0	0.35
F09	24 Feb 2021	56	10.66	85.31	3.7	33.89	7.8	26.0	0.35
F09	24 Feb 2021	57	10.65	85.27	3.7	33.89	7.8	26.0	0.33
F09	24 Feb 2021	58	10.63	84.97	3.7	33.90	7.8	26.0	0.33
F09	24 Feb 2021	59	10.62	84.72	3.7	33.90	7.8	26.0	0.33
F09	24 Feb 2021	60	10.61	84.54	3.6	33.90	7.8	26.0	0.32
F09	24 Feb 2021	61	10.60	84.38	3.6	33.91	7.8	26.0	0.32
F09	24 Feb 2021	62	10.60	84.09	3.6	33.91	7.8	26.0	0.33
F10	24 Feb 2021	1	14.57	78.51	9.0	33.52	8.2	24.9	1.04
F10	24 Feb 2021	2	14.51	78.80	8.9	33.52	8.2	24.9	1.16
F10	24 Feb 2021	3	14.21	78.77	8.7	33.54	8.2	25.0	1.70
F10	24 Feb 2021	4	14.07	78.05	8.6	33.54	8.2	25.0	2.39
F10	24 Feb 2021	5	14.05	76.99	8.5	33.54	8.2	25.0	3.18
F10	24 Feb 2021	6	14.05	76.15	8.5	33.54	8.2	25.0	3.87
F10	24 Feb 2021	7	14.05	75.81	8.5	33.55	8.2	25.1	4.89
F10	24 Feb 2021	8	14.05	75.09	8.4	33.55	8.2	25.1	5.52
F10	24 Feb 2021	9	14.05	74.57	8.4	33.55	8.2	25.1	5.90
F10	24 Feb 2021	10	14.05	74.44	8.5	33.55	8.2	25.1	6.18
F10	24 Feb 2021	11	14.05	74.42	8.4	33.56	8.2	25.1	6.33
F10	24 Feb 2021	12	14.05	74.24	8.4	33.56	8.2	25.1	6.29
F10	24 Feb 2021	13	14.04	74.17	8.2	33.57	8.2	25.1	5.94
F10	24 Feb 2021	14	13.78	76.33	7.5	33.62	8.2	25.2	4.26
F10	24 Feb 2021	15	13.20	80.02	6.6	33.64	8.1	25.3	3.07
F10	24 Feb 2021	16	12.74	82.39	6.0	33.65	8.0	25.4	2.27
F10	24 Feb 2021	17	12.52	83.57	5.7	33.66	8.0	25.4	1.75
F10	24 Feb 2021	18	12.33	84.42	5.5	33.65	8.0	25.5	1.51
F10	24 Feb 2021	19	12.29	84.81	5.4	33.64	8.0	25.5	1.32
F10	24 Feb 2021	20	12.22	84.94	5.3	33.65	8.0	25.5	1.23
F10	24 Feb 2021	21	12.02	85.24	5.1	33.67	7.9	25.6	1.19
F10	24 Feb 2021	22	11.90	85.47	4.9	33.68	7.9	25.6	1.11
F10	24 Feb 2021	23	11.71	85.54	4.8	33.72	7.9	25.6	0.99
F10	24 Feb 2021	24	11.54	85.53	4.6	33.74	7.9	25.7	0.85
F10	24 Feb 2021	25	11.52	85.68	4.5	33.73	7.9	25.7	0.79
F10	24 Feb 2021	26	11.52	85.67	4.5	33.73	7.9	25.7	0.78
F10	24 Feb 2021	27	11.52	85.71	4.5	33.74	7.9	25.7	0.76
F10	24 Feb 2021	28	11.45	85.68	4.5	33.76	7.9	25.7	0.73
F10	24 Feb 2021	29	11.39	86.00	4.4	33.76	7.9	25.7	0.72
F10	24 Feb 2021	30	11.33	85.85	4.3	33.78	7.8	25.8	0.65
F10	24 Feb 2021	31	11.21	86.09	4.2	33.80	7.8	25.8	0.63
F10	24 Feb 2021	32	11.19	86.34	4.2	33.79	7.8	25.8	0.59
F10	24 Feb 2021	33	11.19	86.38	4.2	33.79	7.8	25.8	0.57
F10	24 Feb 2021	34	11.19	86.47	4.2	33.79	7.8	25.8	0.57
F10	24 Feb 2021	35	11.17	86.51	4.2	33.80	7.8	25.8	0.68
F10	24 Feb 2021	36	11.17	86.49	4.2	33.80	7.8	25.8	0.63
F10	24 Feb 2021	37	11.16	86.52	4.2	33.80	7.8	25.8	0.62
F10	24 Feb 2021	38	11.14	86.56	4.2	33.80	7.8	25.8	0.76
F10	24 Feb 2021	39	11.10	86.08	4.1	33.82	7.8	25.8	0.84
F10	24 Feb 2021	40	11.07	85.73	4.0	33.82	7.8	25.8	0.59
F10	24 Feb 2021	41	11.06	85.83	4.0	33.82	7.8	25.8	0.52
F10	24 Feb 2021	42	11.05	85.76	4.0	33.82	7.8	25.9	0.49
F10	24 Feb 2021	43	11.05	85.83	4.0	33.82	7.8	25.9	0.48
F10	24 Feb 2021	44	11.03	85.86	4.0	33.83	7.8	25.9	0.44
F10	24 Feb 2021	45	11.00	85.73	4.0	33.83	7.8	25.9	0.44
F10	24 Feb 2021	46	10.98	85.80	4.0	33.84	7.8	25.9	0.43
F10	24 Feb 2021	47	10.95	85.85	4.0	33.84	7.8	25.9	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F10	24 Feb 2021	48	10.91	85.88	3.9	33.85	7.8	25.9	0.40
F10	24 Feb 2021	49	10.86	86.00	3.9	33.85	7.8	25.9	0.40
F10	24 Feb 2021	50	10.85	86.16	3.9	33.85	7.8	25.9	0.39
F10	24 Feb 2021	51	10.84	86.18	3.9	33.85	7.8	25.9	0.39
F10	24 Feb 2021	52	10.83	86.15	3.9	33.85	7.8	25.9	0.39
F10	24 Feb 2021	53	10.82	86.16	3.9	33.85	7.8	25.9	0.38
F10	24 Feb 2021	54	10.81	86.31	3.9	33.85	7.8	25.9	0.38
F10	24 Feb 2021	55	10.79	86.49	3.9	33.85	7.8	25.9	0.37
F10	24 Feb 2021	56	10.79	86.57	3.9	33.85	7.8	25.9	0.35
F10	24 Feb 2021	57	10.78	86.54	3.9	33.85	7.8	25.9	0.36
F10	24 Feb 2021	58	10.78	86.46	3.9	33.85	7.8	25.9	0.36
F10	24 Feb 2021	59	10.78	86.40	3.9	33.86	7.8	25.9	0.35
F10	24 Feb 2021	60	10.75	86.02	3.8	33.87	7.8	25.9	0.35
F10	24 Feb 2021	61	10.70	85.59	3.8	33.88	7.8	26.0	0.34
F10	24 Feb 2021	62	10.68	83.86	3.8	33.88	7.8	26.0	0.34
F11	24 Feb 2021	1	14.31	76.75	8.6	33.54	8.2	25.0	1.49
F11	24 Feb 2021	2	14.30	76.85	8.6	33.54	8.2	25.0	1.49
F11	24 Feb 2021	3	14.26	77.07	8.6	33.54	8.2	25.0	1.65
F11	24 Feb 2021	4	14.24	76.97	8.6	33.55	8.2	25.0	1.91
F11	24 Feb 2021	5	14.21	76.24	8.3	33.57	8.2	25.0	2.46
F11	24 Feb 2021	6	14.12	74.58	8.2	33.59	8.2	25.1	3.21
F11	24 Feb 2021	7	14.05	74.91	8.1	33.59	8.2	25.1	3.56
F11	24 Feb 2021	8	13.92	76.24	7.6	33.60	8.2	25.1	3.54
F11	24 Feb 2021	9	13.81	77.33	7.3	33.60	8.1	25.1	3.37
F11	24 Feb 2021	10	13.72	77.77	7.2	33.59	8.1	25.2	3.17
F11	24 Feb 2021	11	13.65	78.42	7.1	33.59	8.1	25.2	3.11
F11	24 Feb 2021	12	13.52	79.26	7.0	33.60	8.1	25.2	3.05
F11	24 Feb 2021	13	13.46	79.89	7.0	33.59	8.1	25.2	2.93
F11	24 Feb 2021	14	13.43	80.20	7.0	33.59	8.1	25.2	2.94
F11	24 Feb 2021	15	13.39	80.42	7.0	33.59	8.1	25.2	2.83
F11	24 Feb 2021	16	13.38	80.66	6.9	33.59	8.1	25.2	2.71
F11	24 Feb 2021	17	13.31	81.18	6.8	33.60	8.1	25.2	2.57
F11	24 Feb 2021	18	13.18	81.87	6.5	33.61	8.1	25.3	2.29
F11	24 Feb 2021	19	12.74	83.40	6.0	33.65	8.0	25.4	1.83
F11	24 Feb 2021	20	12.28	84.95	5.5	33.65	8.0	25.5	1.47
F11	24 Feb 2021	21	12.09	85.87	5.3	33.63	8.0	25.5	1.26
F11	24 Feb 2021	22	11.98	85.89	5.2	33.65	7.9	25.5	1.17
F11	24 Feb 2021	23	11.94	85.69	5.1	33.66	7.9	25.6	1.16
F11	24 Feb 2021	24	11.95	85.51	5.0	33.66	7.9	25.6	1.22
F11	24 Feb 2021	25	11.96	85.29	5.0	33.67	7.9	25.6	1.24
F11	24 Feb 2021	26	11.88	85.55	4.9	33.69	7.9	25.6	1.18
F11	24 Feb 2021	27	11.71	86.00	4.7	33.72	7.9	25.6	1.06
F11	24 Feb 2021	28	11.63	85.93	4.6	33.73	7.9	25.7	0.96
F11	24 Feb 2021	29	11.54	85.78	4.5	33.74	7.9	25.7	0.84
F11	24 Feb 2021	30	11.44	86.01	4.4	33.75	7.9	25.7	0.76
F11	24 Feb 2021	31	11.36	86.04	4.4	33.76	7.9	25.7	0.69
F11	24 Feb 2021	32	11.28	86.20	4.3	33.78	7.8	25.8	0.64
F11	24 Feb 2021	33	11.26	86.22	4.3	33.78	7.8	25.8	0.61
F11	24 Feb 2021	34	11.25	86.18	4.2	33.79	7.8	25.8	0.60
F11	24 Feb 2021	35	11.25	86.21	4.2	33.79	7.8	25.8	0.59
F11	24 Feb 2021	36	11.21	86.30	4.2	33.80	7.8	25.8	0.56
F11	24 Feb 2021	37	11.14	86.26	4.1	33.81	7.8	25.8	0.51
F11	24 Feb 2021	38	11.14	86.13	4.1	33.81	7.8	25.8	0.48
F11	24 Feb 2021	39	11.13	86.14	4.0	33.81	7.8	25.8	0.48
F11	24 Feb 2021	40	11.10	86.09	4.0	33.82	7.8	25.8	0.47
F11	24 Feb 2021	41	11.04	86.25	4.0	33.83	7.8	25.9	0.44
F11	24 Feb 2021	42	11.00	86.45	4.0	33.83	7.8	25.9	0.43
F11	24 Feb 2021	43	10.96	86.53	4.0	33.84	7.8	25.9	0.41
F11	24 Feb 2021	44	10.93	86.82	4.0	33.84	7.8	25.9	0.41
F11	24 Feb 2021	45	10.93	86.86	4.0	33.84	7.8	25.9	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F11	24 Feb 2021	46	10.91	86.87	4.0	33.84	7.8	25.9	0.40
F11	24 Feb 2021	47	10.88	86.92	4.0	33.84	7.8	25.9	0.40
F11	24 Feb 2021	48	10.87	86.89	4.0	33.85	7.8	25.9	0.38
F11	24 Feb 2021	49	10.86	86.60	3.9	33.85	7.8	25.9	0.37
F11	24 Feb 2021	50	10.86	86.58	3.9	33.85	7.8	25.9	0.37
F11	24 Feb 2021	51	10.85	86.56	3.9	33.85	7.8	25.9	0.36
F11	24 Feb 2021	52	10.82	86.30	3.9	33.86	7.8	25.9	0.36
F11	24 Feb 2021	53	10.82	85.30	3.8	33.86	7.8	25.9	0.36
F11	24 Feb 2021	54	10.82	85.05	3.8	33.86	7.8	25.9	0.35
F11	24 Feb 2021	55	10.82	84.85	3.8	33.86	7.8	25.9	0.35
F11	24 Feb 2021	56	10.82	84.93	3.8	33.86	7.8	25.9	0.36
F11	24 Feb 2021	57	10.82	84.92	3.8	33.86	7.8	25.9	0.35
F11	24 Feb 2021	58	10.83	84.79	3.8	33.86	7.8	25.9	0.35
F11	24 Feb 2021	59	10.84	84.67	3.8	33.86	7.8	25.9	0.36
F11	24 Feb 2021	60	10.84	84.23	3.8	33.86	7.8	25.9	0.35
F11	24 Feb 2021	61	10.84	84.22	3.8	33.86	7.8	25.9	0.34
F12	24 Feb 2021	1	14.49	76.80	8.2	33.55	8.2	25.0	1.20
F12	24 Feb 2021	2	14.49	77.22	8.2	33.55	8.2	25.0	1.20
F12	24 Feb 2021	3	14.40	77.28	8.0	33.56	8.2	25.0	1.43
F12	24 Feb 2021	4	14.20	76.53	7.6	33.58	8.1	25.1	1.86
F12	24 Feb 2021	5	14.05	75.48	7.5	33.59	8.1	25.1	2.30
F12	24 Feb 2021	6	13.95	75.72	7.6	33.57	8.1	25.1	2.74
F12	24 Feb 2021	7	13.90	76.46	7.6	33.57	8.1	25.1	3.18
F12	24 Feb 2021	8	13.78	77.08	7.6	33.58	8.1	25.1	3.40
F12	24 Feb 2021	9	13.68	77.68	7.5	33.58	8.1	25.2	3.50
F12	24 Feb 2021	10	13.64	78.50	7.4	33.58	8.1	25.2	3.48
F12	24 Feb 2021	11	13.58	78.99	7.2	33.58	8.1	25.2	3.35
F12	24 Feb 2021	12	13.46	79.69	6.9	33.60	8.1	25.2	3.09
F12	24 Feb 2021	13	13.26	80.23	6.7	33.60	8.1	25.3	2.98
F12	24 Feb 2021	14	13.08	81.32	6.4	33.60	8.1	25.3	2.76
F12	24 Feb 2021	15	12.91	82.41	6.3	33.60	8.0	25.3	2.57
F12	24 Feb 2021	16	12.84	83.11	6.1	33.59	8.0	25.3	2.30
F12	24 Feb 2021	17	12.74	83.71	6.0	33.60	8.0	25.4	2.03
F12	24 Feb 2021	18	12.58	84.53	5.8	33.61	8.0	25.4	1.82
F12	24 Feb 2021	19	12.41	84.66	5.6	33.62	8.0	25.4	1.59
F12	24 Feb 2021	20	12.02	85.49	5.4	33.63	8.0	25.5	1.33
F12	24 Feb 2021	21	11.90	86.37	5.3	33.61	7.9	25.5	1.21
F12	24 Feb 2021	22	11.94	86.23	5.2	33.62	7.9	25.5	1.16
F12	24 Feb 2021	23	11.96	86.13	5.2	33.63	7.9	25.5	1.10
F12	24 Feb 2021	24	11.96	86.03	5.2	33.63	7.9	25.5	1.12
F12	24 Feb 2021	25	11.97	85.85	5.1	33.65	7.9	25.5	1.17
F12	24 Feb 2021	26	11.95	85.59	5.0	33.67	7.9	25.6	1.20
F12	24 Feb 2021	27	11.88	85.71	4.9	33.69	7.9	25.6	1.20
F12	24 Feb 2021	28	11.78	85.55	4.8	33.71	7.9	25.6	1.11
F12	24 Feb 2021	29	11.63	85.86	4.8	33.71	7.9	25.7	1.00
F12	24 Feb 2021	30	11.43	86.46	4.7	33.71	7.9	25.7	0.85
F12	24 Feb 2021	31	11.44	86.62	4.7	33.71	7.9	25.7	0.84
F12	24 Feb 2021	32	11.47	86.50	4.6	33.72	7.9	25.7	0.80
F12	24 Feb 2021	33	11.45	86.24	4.5	33.75	7.9	25.7	0.77
F12	24 Feb 2021	34	11.39	86.24	4.5	33.76	7.9	25.7	1.08
F12	24 Feb 2021	35	11.37	86.37	4.5	33.75	7.9	25.7	1.12
F12	24 Feb 2021	36	11.32	86.60	4.5	33.75	7.9	25.7	0.85
F12	24 Feb 2021	37	11.27	86.87	4.4	33.76	7.9	25.8	0.72
F12	24 Feb 2021	38	11.28	86.59	4.4	33.77	7.8	25.8	0.63
F12	24 Feb 2021	39	11.26	86.40	4.3	33.78	7.8	25.8	0.59
F12	24 Feb 2021	40	11.20	86.36	4.2	33.80	7.8	25.8	0.55
F12	24 Feb 2021	41	11.16	86.44	4.2	33.80	7.8	25.8	0.54
F12	24 Feb 2021	42	11.16	86.49	4.2	33.80	7.8	25.8	0.51
F12	24 Feb 2021	43	11.16	86.33	4.1	33.80	7.8	25.8	0.50
F12	24 Feb 2021	44	11.16	86.37	4.1	33.80	7.8	25.8	0.50

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F12	24 Feb 2021	45	11.15	86.51	4.1	33.80	7.8	25.8	0.49
F12	24 Feb 2021	46	11.15	86.66	4.1	33.80	7.8	25.8	0.47
F12	24 Feb 2021	47	11.13	86.66	4.1	33.80	7.8	25.8	0.47
F12	24 Feb 2021	48	11.11	86.81	4.1	33.81	7.8	25.8	0.47
F12	24 Feb 2021	49	11.09	86.75	4.1	33.81	7.8	25.8	0.46
F12	24 Feb 2021	50	11.09	86.77	4.1	33.82	7.8	25.8	0.45
F12	24 Feb 2021	51	11.08	86.81	4.1	33.82	7.8	25.8	0.44
F12	24 Feb 2021	52	11.06	86.80	4.1	33.82	7.8	25.8	0.44
F12	24 Feb 2021	53	11.04	86.88	4.0	33.82	7.8	25.9	0.42
F12	24 Feb 2021	54	11.01	86.66	3.9	33.84	7.8	25.9	0.40
F12	24 Feb 2021	55	10.98	86.28	3.7	33.85	7.8	25.9	0.40
F12	24 Feb 2021	56	10.95	85.99	3.6	33.85	7.8	25.9	0.37
F12	24 Feb 2021	57	10.92	85.88	3.6	33.86	7.8	25.9	0.37
F12	24 Feb 2021	58	10.90	85.50	3.6	33.86	7.8	25.9	0.36
F12	24 Feb 2021	59	10.89	85.09	3.5	33.86	7.8	25.9	0.36
F12	24 Feb 2021	60	10.86	84.57	3.5	33.87	7.8	25.9	0.36
F12	24 Feb 2021	61	10.80	82.02	3.4	33.89	7.8	25.9	0.36
F12	24 Feb 2021	62	10.78	79.86	3.3	33.90	7.8	26.0	0.36
F13	24 Feb 2021	1	14.23	77.15	8.6	33.53	8.2	25.0	1.91
F13	24 Feb 2021	2	14.21	77.09	8.7	33.52	8.2	25.0	1.94
F13	24 Feb 2021	3	14.17	76.93	8.7	33.53	8.2	25.0	2.09
F13	24 Feb 2021	4	14.15	76.66	8.7	33.53	8.2	25.0	2.47
F13	24 Feb 2021	5	14.14	75.98	8.7	33.53	8.2	25.0	3.08
F13	24 Feb 2021	6	14.12	75.52	8.7	33.53	8.2	25.0	3.67
F13	24 Feb 2021	7	14.06	75.35	8.5	33.53	8.2	25.0	4.08
F13	24 Feb 2021	8	13.96	76.04	8.3	33.53	8.2	25.1	4.37
F13	24 Feb 2021	9	13.87	76.26	8.2	33.54	8.2	25.1	4.64
F13	24 Feb 2021	10	13.80	76.44	8.1	33.55	8.2	25.1	4.38
F13	24 Feb 2021	11	13.75	76.95	8.1	33.56	8.2	25.1	3.76
F13	24 Feb 2021	12	13.62	78.22	7.8	33.57	8.1	25.2	3.23
F13	24 Feb 2021	13	13.37	79.56	7.4	33.58	8.1	25.2	2.76
F13	24 Feb 2021	14	13.23	80.67	7.1	33.56	8.1	25.2	2.49
F13	24 Feb 2021	15	13.21	81.57	7.0	33.56	8.1	25.2	2.44
F13	24 Feb 2021	16	13.08	81.92	6.6	33.58	8.1	25.3	2.30
F13	24 Feb 2021	17	12.64	83.24	6.0	33.61	8.0	25.4	1.97
F13	24 Feb 2021	18	12.42	84.29	5.8	33.60	8.0	25.4	1.75
F13	24 Feb 2021	19	12.37	85.02	5.6	33.59	8.0	25.4	1.63
F13	24 Feb 2021	20	12.22	85.54	5.5	33.61	8.0	25.5	1.48
F13	24 Feb 2021	21	12.09	85.96	5.5	33.60	8.0	25.5	1.36
F13	24 Feb 2021	22	12.08	86.12	5.5	33.59	8.0	25.5	1.30
F13	24 Feb 2021	23	12.08	86.16	5.4	33.60	8.0	25.5	1.29
F13	24 Feb 2021	24	11.87	86.39	5.4	33.60	7.9	25.5	1.21
F13	24 Feb 2021	25	11.88	86.66	5.4	33.59	7.9	25.5	1.13
F13	24 Feb 2021	26	11.84	86.65	5.4	33.59	7.9	25.5	1.11
F13	24 Feb 2021	27	11.82	86.74	5.4	33.60	7.9	25.5	1.03
F13	24 Feb 2021	28	11.65	86.89	5.3	33.61	7.9	25.6	0.95
F13	24 Feb 2021	29	11.60	87.00	5.2	33.62	7.9	25.6	0.97
F13	24 Feb 2021	30	11.55	87.12	5.1	33.63	7.9	25.6	0.89
F13	24 Feb 2021	31	11.61	86.85	5.0	33.65	7.9	25.6	0.84
F13	24 Feb 2021	32	11.64	86.64	4.9	33.68	7.9	25.6	0.84
F13	24 Feb 2021	33	11.58	86.49	4.7	33.71	7.9	25.7	0.80
F13	24 Feb 2021	34	11.41	86.61	4.5	33.76	7.9	25.7	0.70
F13	24 Feb 2021	35	11.37	86.30	4.3	33.76	7.8	25.7	0.61
F13	24 Feb 2021	36	11.35	86.31	4.3	33.77	7.8	25.8	0.58
F13	24 Feb 2021	37	11.33	86.29	4.3	33.77	7.8	25.8	0.57
F13	24 Feb 2021	38	11.32	86.20	4.2	33.77	7.8	25.8	0.54
F13	24 Feb 2021	39	11.31	86.35	4.2	33.77	7.8	25.8	0.53
F13	24 Feb 2021	40	11.31	86.29	4.2	33.77	7.8	25.8	0.53
F13	24 Feb 2021	41	11.30	86.22	4.2	33.78	7.8	25.8	0.51
F13	24 Feb 2021	42	11.29	86.10	4.1	33.78	7.8	25.8	0.52

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F13	24 Feb 2021	43	11.29	86.00	4.0	33.79	7.8	25.8	0.49
F13	24 Feb 2021	44	11.26	85.84	3.8	33.80	7.8	25.8	0.47
F13	24 Feb 2021	45	11.23	84.80	3.6	33.82	7.8	25.8	0.45
F13	24 Feb 2021	46	11.18	84.21	3.6	33.83	7.8	25.8	0.44
F13	24 Feb 2021	47	11.15	84.35	3.6	33.83	7.8	25.8	0.44
F13	24 Feb 2021	48	11.10	84.59	3.6	33.84	7.8	25.9	0.43
F13	24 Feb 2021	49	11.06	84.76	3.6	33.84	7.8	25.9	0.41
F13	24 Feb 2021	50	11.04	84.69	3.5	33.84	7.8	25.9	0.39
F13	24 Feb 2021	51	11.01	84.63	3.5	33.85	7.8	25.9	0.40
F13	24 Feb 2021	52	10.98	84.46	3.5	33.85	7.8	25.9	0.37
F13	24 Feb 2021	53	10.96	84.41	3.5	33.85	7.8	25.9	0.38
F13	24 Feb 2021	54	10.94	84.45	3.4	33.86	7.8	25.9	0.38
F13	24 Feb 2021	55	10.89	84.08	3.4	33.88	7.8	25.9	0.38
F13	24 Feb 2021	56	10.85	82.39	3.3	33.88	7.8	25.9	0.38
F13	24 Feb 2021	57	10.82	81.45	3.3	33.89	7.8	25.9	0.37
F13	24 Feb 2021	58	10.78	80.73	3.2	33.90	7.8	26.0	0.37
F13	24 Feb 2021	59	10.74	79.90	3.2	33.91	7.8	26.0	0.36
F13	24 Feb 2021	60	10.74	79.39	3.2	33.91	7.8	26.0	0.36
F13	24 Feb 2021	61	10.73	79.04	3.3	33.91	7.8	26.0	0.37
F13	24 Feb 2021	62	10.73	78.64	3.3	33.91	7.8	26.0	0.37
F14	24 Feb 2021	1	14.21	74.48	8.6	33.57	8.2	25.0	2.04
F14	24 Feb 2021	2	14.17	74.32	8.5	33.57	8.2	25.0	2.34
F14	24 Feb 2021	3	13.95	73.29	8.2	33.59	8.2	25.1	2.78
F14	24 Feb 2021	4	13.81	74.43	7.9	33.59	8.1	25.1	2.90
F14	24 Feb 2021	5	13.63	74.69	7.6	33.59	8.1	25.2	2.97
F14	24 Feb 2021	6	13.43	77.36	7.3	33.59	8.1	25.2	2.95
F14	24 Feb 2021	7	13.38	78.17	7.2	33.59	8.1	25.2	3.01
F14	24 Feb 2021	8	13.32	78.59	7.1	33.59	8.1	25.2	2.90
F14	24 Feb 2021	9	13.29	79.02	7.1	33.59	8.1	25.2	2.75
F14	24 Feb 2021	10	13.25	79.35	7.0	33.59	8.1	25.3	2.67
F14	24 Feb 2021	11	13.21	79.79	7.0	33.59	8.1	25.3	2.45
F14	24 Feb 2021	12	13.19	80.23	6.9	33.59	8.1	25.3	2.31
F14	24 Feb 2021	13	13.15	80.48	6.8	33.59	8.1	25.3	2.11
F14	24 Feb 2021	14	13.10	80.82	6.8	33.59	8.1	25.3	2.00
F14	24 Feb 2021	15	13.07	80.96	6.7	33.59	8.0	25.3	1.98
F14	24 Feb 2021	16	13.06	80.85	6.7	33.59	8.0	25.3	1.91
F14	24 Feb 2021	17	13.04	80.50	6.7	33.59	8.0	25.3	1.96
F14	24 Feb 2021	18	13.00	81.51	6.6	33.59	8.0	25.3	1.97
F14	24 Feb 2021	19	12.99	81.54	6.6	33.59	8.0	25.3	1.93
F14	24 Feb 2021	20	12.99	81.65	6.6	33.59	8.0	25.3	1.95
F14	24 Feb 2021	21	12.98	81.72	6.6	33.59	8.0	25.3	1.94
F14	24 Feb 2021	22	12.95	81.56	6.5	33.59	8.0	25.3	1.91
F14	24 Feb 2021	23	12.78	81.89	6.3	33.60	8.0	25.4	1.82
F14	24 Feb 2021	24	12.66	82.62	6.2	33.59	8.0	25.4	1.83
F14	24 Feb 2021	25	12.61	83.53	6.1	33.59	8.0	25.4	1.76
F14	24 Feb 2021	26	12.57	83.71	6.0	33.59	8.0	25.4	1.71
F14	24 Feb 2021	27	12.54	83.84	6.0	33.59	8.0	25.4	1.65
F14	24 Feb 2021	28	12.53	84.05	5.8	33.60	8.0	25.4	1.57
F14	24 Feb 2021	29	12.05	84.93	5.4	33.66	8.0	25.5	1.29
F14	24 Feb 2021	30	11.85	85.49	5.2	33.66	7.9	25.6	1.12
F14	24 Feb 2021	31	11.80	85.93	5.1	33.65	7.9	25.6	1.04
F14	24 Feb 2021	32	11.74	86.19	5.0	33.66	7.9	25.6	0.97
F14	24 Feb 2021	33	11.67	86.37	5.0	33.67	7.9	25.6	0.93
F14	24 Feb 2021	34	11.63	86.69	5.0	33.67	7.9	25.6	0.87
F14	24 Feb 2021	35	11.61	86.79	4.9	33.68	7.9	25.6	0.83
F14	24 Feb 2021	36	11.58	86.85	4.9	33.68	7.9	25.6	0.81
F14	24 Feb 2021	37	11.54	86.89	4.8	33.69	7.9	25.7	0.77
F14	24 Feb 2021	38	11.51	86.96	4.8	33.70	7.9	25.7	0.75
F14	24 Feb 2021	39	11.48	86.99	4.8	33.71	7.9	25.7	0.73
F14	24 Feb 2021	40	11.47	87.04	4.7	33.71	7.9	25.7	0.71

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F14	24 Feb 2021	41	11.45	87.07	4.6	33.72	7.9	25.7	0.70
F14	24 Feb 2021	42	11.43	86.99	4.4	33.74	7.9	25.7	0.65
F14	24 Feb 2021	43	11.40	86.48	4.1	33.77	7.8	25.7	0.59
F14	24 Feb 2021	44	11.34	85.51	4.0	33.79	7.8	25.8	0.54
F14	24 Feb 2021	45	11.30	85.15	3.9	33.80	7.8	25.8	0.50
F14	24 Feb 2021	46	11.24	85.33	4.0	33.80	7.8	25.8	0.48
F14	24 Feb 2021	47	11.21	85.99	4.0	33.80	7.8	25.8	0.46
F14	24 Feb 2021	48	11.17	86.26	4.0	33.80	7.8	25.8	0.45
F14	24 Feb 2021	49	11.14	86.27	3.9	33.81	7.8	25.8	0.42
F14	24 Feb 2021	50	11.13	86.28	3.9	33.81	7.8	25.8	0.41
F14	24 Feb 2021	51	11.12	86.44	3.9	33.81	7.8	25.8	0.41
F14	24 Feb 2021	52	11.06	86.40	3.8	33.82	7.8	25.9	0.40
F14	24 Feb 2021	53	11.02	86.49	3.8	33.83	7.8	25.9	0.40
F14	24 Feb 2021	54	10.95	86.62	3.7	33.84	7.8	25.9	0.38
F14	24 Feb 2021	55	10.93	86.55	3.6	33.85	7.8	25.9	0.36
F14	24 Feb 2021	56	10.92	86.23	3.6	33.85	7.8	25.9	0.36
F14	24 Feb 2021	57	10.90	86.17	3.5	33.86	7.8	25.9	0.36
F14	24 Feb 2021	58	10.85	86.06	3.5	33.88	7.8	25.9	0.35
F14	24 Feb 2021	59	10.78	85.36	3.4	33.89	7.8	26.0	0.34
F14	24 Feb 2021	60	10.70	83.61	3.4	33.91	7.8	26.0	0.33
F14	24 Feb 2021	61	10.70	82.27	3.4	33.91	7.8	26.0	0.34
F15	25 Feb 2021	1	14.81	83.61	8.4	33.50	8.2	24.9	0.58
F15	25 Feb 2021	2	14.80	83.29	8.4	33.50	8.2	24.9	0.60
F15	25 Feb 2021	3	14.76	83.33	8.4	33.50	8.2	24.9	0.62
F15	25 Feb 2021	4	14.72	83.40	8.4	33.50	8.2	24.9	0.68
F15	25 Feb 2021	5	14.65	83.26	8.4	33.51	8.2	24.9	0.74
F15	25 Feb 2021	6	14.61	83.33	8.5	33.51	8.2	24.9	0.82
F15	25 Feb 2021	7	14.58	83.36	8.5	33.51	8.2	24.9	0.84
F15	25 Feb 2021	8	14.55	83.18	8.4	33.51	8.2	24.9	0.92
F15	25 Feb 2021	9	14.29	82.40	8.2	33.55	8.2	25.0	1.26
F15	25 Feb 2021	10	13.73	80.49	7.9	33.58	8.1	25.1	1.86
F15	25 Feb 2021	11	13.33	79.14	7.5	33.55	8.1	25.2	2.67
F15	25 Feb 2021	12	13.22	79.46	7.2	33.54	8.1	25.2	3.23
F15	25 Feb 2021	13	13.03	80.65	6.8	33.55	8.0	25.3	3.41
F15	25 Feb 2021	14	12.81	82.35	6.2	33.56	8.0	25.3	2.86
F15	25 Feb 2021	15	12.24	84.68	5.7	33.60	8.0	25.5	2.14
F15	25 Feb 2021	16	11.93	85.90	5.3	33.62	7.9	25.5	1.61
F15	25 Feb 2021	17	11.76	86.37	5.2	33.62	7.9	25.6	1.25
F15	25 Feb 2021	18	11.65	86.62	5.1	33.63	7.9	25.6	1.05
F15	25 Feb 2021	19	11.61	86.77	5.1	33.63	7.9	25.6	0.93
F15	25 Feb 2021	20	11.58	86.73	5.1	33.64	7.9	25.6	0.96
F15	25 Feb 2021	21	11.56	86.72	5.0	33.64	7.9	25.6	0.96
F15	25 Feb 2021	22	11.47	87.03	5.0	33.65	7.9	25.6	0.95
F15	25 Feb 2021	23	11.30	87.45	5.0	33.65	7.9	25.7	0.85
F15	25 Feb 2021	24	11.12	87.66	4.9	33.68	7.9	25.7	0.71
F15	25 Feb 2021	25	11.02	87.76	4.9	33.69	7.8	25.8	0.66
F15	25 Feb 2021	26	10.92	88.01	4.8	33.71	7.8	25.8	0.58
F15	25 Feb 2021	27	10.86	88.25	4.7	33.73	7.8	25.8	0.53
F15	25 Feb 2021	28	10.84	88.44	4.7	33.75	7.8	25.8	0.49
F15	25 Feb 2021	29	10.81	88.28	4.6	33.76	7.8	25.8	0.46
F15	25 Feb 2021	30	10.78	88.39	4.6	33.76	7.8	25.9	0.43
F15	25 Feb 2021	31	10.75	88.47	4.6	33.77	7.8	25.9	0.41
F15	25 Feb 2021	32	10.75	88.35	4.6	33.77	7.8	25.9	0.39
F15	25 Feb 2021	33	10.74	88.45	4.6	33.78	7.8	25.9	0.39
F15	25 Feb 2021	34	10.73	88.51	4.5	33.79	7.8	25.9	0.39
F15	25 Feb 2021	35	10.74	88.49	4.5	33.80	7.8	25.9	0.38
F15	25 Feb 2021	36	10.73	88.50	4.5	33.81	7.8	25.9	0.36
F15	25 Feb 2021	37	10.72	88.51	4.4	33.83	7.8	25.9	0.36
F15	25 Feb 2021	38	10.73	88.48	4.4	33.84	7.8	25.9	0.35
F15	25 Feb 2021	39	10.72	88.44	4.4	33.84	7.8	25.9	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F15	25 Feb 2021	40	10.72	88.52	4.3	33.85	7.8	25.9	0.34
F15	25 Feb 2021	41	10.69	88.43	4.3	33.87	7.8	25.9	0.33
F15	25 Feb 2021	42	10.67	88.34	4.2	33.88	7.8	26.0	0.33
F15	25 Feb 2021	43	10.65	88.31	4.1	33.89	7.8	26.0	0.33
F15	25 Feb 2021	44	10.59	88.36	4.0	33.91	7.8	26.0	0.32
F15	25 Feb 2021	45	10.57	88.37	4.0	33.91	7.8	26.0	0.32
F15	25 Feb 2021	46	10.50	88.50	4.0	33.92	7.8	26.0	0.30
F15	25 Feb 2021	47	10.48	88.52	4.0	33.92	7.8	26.0	0.30
F15	25 Feb 2021	48	10.47	88.50	4.0	33.92	7.8	26.0	0.30
F15	25 Feb 2021	49	10.46	88.52	4.0	33.93	7.8	26.0	0.29
F15	25 Feb 2021	50	10.45	88.51	4.0	33.93	7.8	26.0	0.29
F15	25 Feb 2021	51	10.45	88.52	4.0	33.93	7.8	26.0	0.30
F15	25 Feb 2021	52	10.43	88.50	3.9	33.94	7.8	26.0	0.30
F15	25 Feb 2021	53	10.42	88.54	3.9	33.94	7.8	26.1	0.29
F15	25 Feb 2021	54	10.42	88.56	3.9	33.94	7.8	26.1	0.29
F15	25 Feb 2021	55	10.41	88.50	3.9	33.95	7.8	26.1	0.29
F15	25 Feb 2021	56	10.40	88.51	3.9	33.95	7.8	26.1	0.29
F15	25 Feb 2021	57	10.39	88.57	3.9	33.95	7.8	26.1	0.29
F15	25 Feb 2021	58	10.36	88.55	3.8	33.96	7.8	26.1	0.28
F15	25 Feb 2021	59	10.36	88.52	3.8	33.96	7.8	26.1	0.29
F15	25 Feb 2021	60	10.33	88.54	3.8	33.97	7.8	26.1	0.29
F15	25 Feb 2021	61	10.30	88.46	3.8	33.98	7.8	26.1	0.28
F15	25 Feb 2021	62	10.30	88.30	3.7	33.98	7.8	26.1	0.28
F15	25 Feb 2021	63	10.30	88.27	3.7	33.98	7.8	26.1	0.27
F15	25 Feb 2021	64	10.30	88.13	3.6	33.98	7.8	26.1	0.28
F15	25 Feb 2021	65	10.30	88.00	3.6	33.99	7.7	26.1	0.29
F15	25 Feb 2021	66	10.28	87.72	3.6	34.00	7.7	26.1	0.28
F15	25 Feb 2021	67	10.28	87.59	3.5	34.00	7.7	26.1	0.28
F15	25 Feb 2021	68	10.28	87.45	3.5	34.00	7.7	26.1	0.28
F15	25 Feb 2021	69	10.28	87.30	3.5	34.00	7.7	26.1	0.29
F15	25 Feb 2021	70	10.28	87.34	3.5	34.00	7.7	26.1	0.29
F15	25 Feb 2021	71	10.27	87.31	3.5	34.01	7.7	26.1	0.28
F15	25 Feb 2021	72	10.27	87.32	3.4	34.01	7.7	26.1	0.29
F15	25 Feb 2021	73	10.26	87.27	3.4	34.01	7.7	26.1	0.29
F15	25 Feb 2021	74	10.25	87.26	3.4	34.01	7.7	26.1	0.29
F15	25 Feb 2021	75	10.23	87.15	3.4	34.02	7.7	26.1	0.28
F15	25 Feb 2021	76	10.23	87.20	3.4	34.02	7.7	26.1	0.28
F15	25 Feb 2021	77	10.22	87.32	3.4	34.02	7.7	26.1	0.29
F15	25 Feb 2021	78	10.22	87.30	3.4	34.02	7.7	26.1	0.28
F15	25 Feb 2021	79	10.21	87.28	3.4	34.02	7.7	26.1	0.29
F15	25 Feb 2021	80	10.20	87.12	3.4	34.02	7.7	26.2	0.29
F15	25 Feb 2021	81	10.20	87.02	3.4	34.02	7.7	26.2	0.29
F16	25 Feb 2021	1	14.75	80.27	9.0	33.52	8.2	24.9	0.84
F16	25 Feb 2021	2	14.75	80.26	9.0	33.52	8.2	24.9	0.84
F16	25 Feb 2021	3	14.72	80.25	9.0	33.52	8.2	24.9	0.93
F16	25 Feb 2021	4	14.71	80.32	9.0	33.52	8.2	24.9	1.03
F16	25 Feb 2021	5	14.65	79.76	9.1	33.52	8.2	24.9	1.29
F16	25 Feb 2021	6	14.54	78.15	9.2	33.52	8.2	24.9	1.73
F16	25 Feb 2021	7	14.52	77.72	9.0	33.52	8.2	24.9	2.14
F16	25 Feb 2021	8	14.28	79.44	8.7	33.55	8.2	25.0	2.34
F16	25 Feb 2021	9	13.90	79.28	8.2	33.54	8.2	25.1	2.81
F16	25 Feb 2021	10	13.62	78.70	7.6	33.55	8.1	25.1	3.25
F16	25 Feb 2021	11	13.01	80.18	6.9	33.56	8.1	25.3	3.35
F16	25 Feb 2021	12	12.72	83.06	6.4	33.55	8.0	25.3	3.01
F16	25 Feb 2021	13	12.63	83.77	6.1	33.56	8.0	25.4	2.83
F16	25 Feb 2021	14	12.50	84.37	5.9	33.58	8.0	25.4	2.39
F16	25 Feb 2021	15	12.33	84.66	5.6	33.60	8.0	25.4	2.13
F16	25 Feb 2021	16	11.91	85.43	5.5	33.61	7.9	25.5	1.66
F16	25 Feb 2021	17	11.67	86.75	5.4	33.58	7.9	25.5	1.40
F16	25 Feb 2021	18	11.55	87.09	5.4	33.58	7.9	25.6	1.15



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F16	25 Feb 2021	19	11.50	87.26	5.4	33.58	7.9	25.6	1.08
F16	25 Feb 2021	20	11.42	87.43	5.4	33.59	7.9	25.6	0.99
F16	25 Feb 2021	21	11.38	87.53	5.3	33.60	7.9	25.6	0.91
F16	25 Feb 2021	22	11.32	87.57	5.2	33.61	7.9	25.6	0.84
F16	25 Feb 2021	23	11.26	87.55	5.2	33.62	7.9	25.7	0.81
F16	25 Feb 2021	24	11.14	87.84	5.1	33.66	7.9	25.7	0.73
F16	25 Feb 2021	25	10.99	88.15	4.9	33.70	7.9	25.8	0.63
F16	25 Feb 2021	26	10.94	88.21	4.8	33.72	7.8	25.8	0.58
F16	25 Feb 2021	27	10.88	88.25	4.8	33.73	7.8	25.8	0.54
F16	25 Feb 2021	28	10.85	88.32	4.7	33.74	7.8	25.8	0.52
F16	25 Feb 2021	29	10.84	88.28	4.7	33.75	7.8	25.8	0.48
F16	25 Feb 2021	30	10.84	88.24	4.7	33.75	7.8	25.8	0.46
F16	25 Feb 2021	31	10.83	88.30	4.7	33.76	7.8	25.8	0.46
F16	25 Feb 2021	32	10.81	88.42	4.6	33.78	7.8	25.9	0.44
F16	25 Feb 2021	33	10.79	88.48	4.5	33.80	7.8	25.9	0.41
F16	25 Feb 2021	34	10.76	88.51	4.5	33.82	7.8	25.9	0.38
F16	25 Feb 2021	35	10.75	88.53	4.4	33.83	7.8	25.9	0.37
F16	25 Feb 2021	36	10.73	88.52	4.4	33.84	7.8	25.9	0.35
F16	25 Feb 2021	37	10.70	88.44	4.4	33.85	7.8	25.9	0.35
F16	25 Feb 2021	38	10.69	88.47	4.3	33.85	7.8	25.9	0.34
F16	25 Feb 2021	39	10.69	88.43	4.3	33.85	7.8	25.9	0.35
F16	25 Feb 2021	40	10.69	88.45	4.4	33.85	7.8	25.9	0.34
F16	25 Feb 2021	41	10.69	88.42	4.4	33.86	7.8	25.9	0.35
F16	25 Feb 2021	42	10.69	88.38	4.3	33.86	7.8	25.9	0.35
F16	25 Feb 2021	43	10.69	88.38	4.3	33.86	7.8	25.9	0.35
F16	25 Feb 2021	44	10.69	88.33	4.2	33.87	7.8	25.9	0.34
F16	25 Feb 2021	45	10.68	88.35	4.2	33.88	7.8	26.0	0.34
F16	25 Feb 2021	46	10.66	88.31	4.2	33.88	7.8	26.0	0.34
F16	25 Feb 2021	47	10.62	88.40	4.2	33.89	7.8	26.0	0.34
F16	25 Feb 2021	48	10.59	88.41	4.2	33.90	7.8	26.0	0.33
F16	25 Feb 2021	49	10.57	88.40	4.1	33.90	7.8	26.0	0.32
F16	25 Feb 2021	50	10.55	88.42	4.1	33.92	7.8	26.0	0.31
F16	25 Feb 2021	51	10.53	88.39	4.0	33.93	7.8	26.0	0.30
F16	25 Feb 2021	52	10.51	88.39	4.0	33.93	7.8	26.0	0.30
F16	25 Feb 2021	53	10.50	88.42	4.0	33.93	7.8	26.0	0.30
F16	25 Feb 2021	54	10.48	88.43	4.0	33.93	7.8	26.0	0.31
F16	25 Feb 2021	55	10.45	88.51	4.0	33.93	7.8	26.0	0.31
F16	25 Feb 2021	56	10.45	88.48	4.0	33.94	7.8	26.0	0.30
F16	25 Feb 2021	57	10.45	88.37	3.9	33.95	7.8	26.1	0.30
F16	25 Feb 2021	58	10.43	88.27	3.9	33.95	7.8	26.1	0.31
F16	25 Feb 2021	59	10.41	88.35	3.8	33.95	7.8	26.1	0.31
F16	25 Feb 2021	60	10.41	88.42	3.8	33.96	7.8	26.1	0.29
F16	25 Feb 2021	61	10.39	88.39	3.8	33.96	7.8	26.1	0.29
F16	25 Feb 2021	62	10.34	88.34	3.8	33.97	7.8	26.1	0.29
F16	25 Feb 2021	63	10.33	88.34	3.8	33.97	7.8	26.1	0.29
F16	25 Feb 2021	64	10.30	88.41	3.8	33.98	7.8	26.1	0.28
F16	25 Feb 2021	65	10.27	88.44	3.7	33.98	7.8	26.1	0.28
F16	25 Feb 2021	66	10.27	88.35	3.7	33.98	7.8	26.1	0.29
F16	25 Feb 2021	67	10.25	88.22	3.6	34.00	7.8	26.1	0.29
F16	25 Feb 2021	68	10.23	87.65	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	69	10.23	87.48	3.5	34.01	7.7	26.1	0.29
F16	25 Feb 2021	70	10.24	87.47	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	71	10.24	87.36	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	72	10.24	87.28	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	73	10.23	87.33	3.5	34.01	7.7	26.1	0.29
F16	25 Feb 2021	74	10.23	87.33	3.5	34.01	7.7	26.1	0.29
F16	25 Feb 2021	75	10.23	87.23	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	76	10.23	87.19	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	77	10.23	87.16	3.5	34.01	7.7	26.1	0.29
F16	25 Feb 2021	78	10.23	87.10	3.4	34.01	7.7	26.1	0.29
F16	25 Feb 2021	79	10.23	87.16	3.5	34.01	7.7	26.1	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F16	25 Feb 2021	80	10.23	87.14	3.5	34.01	7.7	26.1	0.28
F16	25 Feb 2021	81	10.23	86.98	3.5	34.01	7.7	26.1	0.29
F16	25 Feb 2021	82	10.23	86.98	3.5	34.01	7.7	26.1	0.30
F17	25 Feb 2021	1	14.73	80.96	8.9	33.49	8.2	24.9	0.69
F17	25 Feb 2021	2	14.72	80.88	8.9	33.51	8.2	24.9	0.67
F17	25 Feb 2021	3	14.72	80.99	8.9	33.51	8.2	24.9	0.69
F17	25 Feb 2021	4	14.66	80.67	8.9	33.52	8.2	24.9	0.79
F17	25 Feb 2021	5	14.58	80.23	9.0	33.51	8.2	24.9	0.94
F17	25 Feb 2021	6	14.54	80.15	9.0	33.52	8.2	24.9	1.10
F17	25 Feb 2021	7	14.46	80.40	8.9	33.52	8.2	24.9	1.26
F17	25 Feb 2021	8	14.41	80.37	8.8	33.52	8.2	25.0	1.51
F17	25 Feb 2021	9	14.22	79.77	8.7	33.52	8.2	25.0	1.83
F17	25 Feb 2021	10	14.12	80.23	8.6	33.51	8.2	25.0	2.10
F17	25 Feb 2021	11	13.84	79.83	8.1	33.54	8.2	25.1	2.57
F17	25 Feb 2021	12	13.20	79.99	7.2	33.56	8.1	25.2	2.83
F17	25 Feb 2021	13	12.77	84.01	6.5	33.54	8.0	25.3	2.44
F17	25 Feb 2021	14	12.62	84.92	6.2	33.53	8.0	25.3	2.22
F17	25 Feb 2021	15	12.48	85.30	6.1	33.53	8.0	25.4	1.93
F17	25 Feb 2021	16	12.49	85.03	6.1	33.53	8.0	25.4	2.03
F17	25 Feb 2021	17	12.49	84.78	6.0	33.54	8.0	25.4	2.22
F17	25 Feb 2021	18	12.34	84.86	5.8	33.58	7.9	25.4	1.96
F17	25 Feb 2021	19	12.28	85.67	5.6	33.59	7.9	25.4	1.80
F17	25 Feb 2021	20	12.17	85.69	5.5	33.61	7.9	25.5	1.89
F17	25 Feb 2021	21	12.02	85.91	5.4	33.61	7.9	25.5	1.75
F17	25 Feb 2021	22	11.78	86.53	5.4	33.61	7.9	25.6	1.51
F17	25 Feb 2021	23	11.57	86.94	5.4	33.59	7.9	25.6	1.26
F17	25 Feb 2021	24	11.55	87.07	5.3	33.60	7.9	25.6	1.14
F17	25 Feb 2021	25	11.58	86.96	5.3	33.61	7.9	25.6	1.19
F17	25 Feb 2021	26	11.60	86.90	5.2	33.63	7.9	25.6	1.18
F17	25 Feb 2021	27	11.63	86.77	5.2	33.64	7.9	25.6	1.23
F17	25 Feb 2021	28	11.49	87.16	5.1	33.66	7.9	25.6	1.17
F17	25 Feb 2021	29	11.31	87.61	5.1	33.64	7.9	25.7	0.98
F17	25 Feb 2021	30	11.10	87.79	5.1	33.67	7.9	25.7	0.77
F17	25 Feb 2021	31	11.01	88.10	5.0	33.69	7.8	25.8	0.69
F17	25 Feb 2021	32	10.96	88.13	4.9	33.70	7.8	25.8	0.67
F17	25 Feb 2021	33	10.89	88.21	4.8	33.73	7.8	25.8	0.58
F17	25 Feb 2021	34	10.85	88.33	4.7	33.75	7.8	25.8	0.51
F17	25 Feb 2021	35	10.84	88.40	4.7	33.75	7.8	25.8	0.48
F17	25 Feb 2021	36	10.83	88.43	4.7	33.76	7.8	25.8	0.45
F17	25 Feb 2021	37	10.82	88.47	4.6	33.77	7.8	25.8	0.45
F17	25 Feb 2021	38	10.77	88.49	4.6	33.78	7.8	25.9	0.41
F17	25 Feb 2021	39	10.73	88.48	4.6	33.80	7.8	25.9	0.39
F17	25 Feb 2021	40	10.68	88.44	4.5	33.81	7.8	25.9	0.38
F17	25 Feb 2021	41	10.64	88.46	4.5	33.84	7.8	25.9	0.37
F17	25 Feb 2021	42	10.65	88.52	4.5	33.84	7.8	25.9	0.35
F17	25 Feb 2021	43	10.65	88.60	4.4	33.85	7.8	25.9	0.34
F17	25 Feb 2021	44	10.62	88.47	4.3	33.87	7.8	26.0	0.35
F17	25 Feb 2021	45	10.60	88.46	4.2	33.88	7.8	26.0	0.33
F17	25 Feb 2021	46	10.58	88.49	4.2	33.88	7.8	26.0	0.32
F17	25 Feb 2021	47	10.57	88.43	4.2	33.90	7.8	26.0	0.32
F17	25 Feb 2021	48	10.52	88.43	4.1	33.91	7.8	26.0	0.31
F17	25 Feb 2021	49	10.50	88.48	4.1	33.91	7.8	26.0	0.32
F17	25 Feb 2021	50	10.51	88.41	4.1	33.91	7.8	26.0	0.31
F17	25 Feb 2021	51	10.51	88.41	4.1	33.91	7.8	26.0	0.30
F17	25 Feb 2021	52	10.51	88.42	4.0	33.91	7.8	26.0	0.30
F17	25 Feb 2021	53	10.51	88.42	4.0	33.91	7.8	26.0	0.31
F17	25 Feb 2021	54	10.51	88.44	4.0	33.92	7.8	26.0	0.31
F17	25 Feb 2021	55	10.51	88.41	4.0	33.92	7.8	26.0	0.30
F17	25 Feb 2021	56	10.48	88.37	3.9	33.94	7.8	26.0	0.29
F17	25 Feb 2021	57	10.45	88.39	3.8	33.95	7.8	26.1	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F17	25 Feb 2021	58	10.40	88.38	3.8	33.96	7.8	26.1	0.29
F17	25 Feb 2021	59	10.35	88.35	3.7	33.97	7.8	26.1	0.29
F17	25 Feb 2021	60	10.34	88.37	3.7	33.97	7.8	26.1	0.29
F17	25 Feb 2021	61	10.31	88.31	3.7	33.98	7.8	26.1	0.28
F17	25 Feb 2021	62	10.30	88.34	3.7	33.98	7.8	26.1	0.28
F17	25 Feb 2021	63	10.29	88.33	3.6	33.98	7.7	26.1	0.28
F17	25 Feb 2021	64	10.27	88.25	3.6	33.99	7.7	26.1	0.28
F17	25 Feb 2021	65	10.23	88.13	3.5	34.01	7.7	26.1	0.28
F17	25 Feb 2021	66	10.23	87.90	3.5	34.01	7.7	26.1	0.27
F17	25 Feb 2021	67	10.23	87.93	3.5	34.01	7.7	26.1	0.28
F17	25 Feb 2021	68	10.23	87.83	3.5	34.01	7.7	26.1	0.28
F17	25 Feb 2021	69	10.23	87.71	3.5	34.01	7.7	26.1	0.28
F17	25 Feb 2021	70	10.23	87.60	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	71	10.24	87.50	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	72	10.24	87.21	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	73	10.24	87.10	3.4	34.01	7.7	26.1	0.29
F17	25 Feb 2021	74	10.24	87.08	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	75	10.24	87.09	3.4	34.01	7.7	26.1	0.29
F17	25 Feb 2021	76	10.24	86.92	3.4	34.01	7.7	26.1	0.29
F17	25 Feb 2021	77	10.24	86.76	3.4	34.01	7.7	26.1	0.29
F17	25 Feb 2021	78	10.24	86.69	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	79	10.24	86.74	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	80	10.24	86.68	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	81	10.25	86.54	3.4	34.01	7.7	26.1	0.28
F17	25 Feb 2021	82	10.25	86.47	3.4	34.01	7.7	26.1	0.28
F18	25 Feb 2021	1	14.80	82.09	8.8	33.51	8.2	24.9	0.60
F18	25 Feb 2021	2	14.78	81.93	8.8	33.52	8.2	24.9	0.61
F18	25 Feb 2021	3	14.76	81.97	8.8	33.52	8.2	24.9	0.63
F18	25 Feb 2021	4	14.74	81.93	8.8	33.52	8.2	24.9	0.68
F18	25 Feb 2021	5	14.71	81.48	8.8	33.51	8.2	24.9	0.81
F18	25 Feb 2021	6	14.67	80.92	8.8	33.52	8.2	24.9	0.95
F18	25 Feb 2021	7	14.56	80.57	8.8	33.52	8.2	24.9	1.17
F18	25 Feb 2021	8	14.50	80.70	8.8	33.51	8.2	24.9	1.33
F18	25 Feb 2021	9	14.46	80.68	8.9	33.51	8.2	24.9	1.46
F18	25 Feb 2021	10	14.44	80.50	8.8	33.51	8.2	24.9	1.63
F18	25 Feb 2021	11	14.43	80.83	8.8	33.51	8.2	24.9	1.76
F18	25 Feb 2021	12	14.43	80.73	8.8	33.51	8.2	24.9	1.83
F18	25 Feb 2021	13	14.22	80.21	8.5	33.53	8.2	25.0	2.27
F18	25 Feb 2021	14	13.86	78.77	8.3	33.53	8.1	25.1	3.10
F18	25 Feb 2021	15	13.67	78.15	7.9	33.53	8.1	25.1	4.15
F18	25 Feb 2021	16	13.41	76.65	7.4	33.53	8.1	25.2	4.99
F18	25 Feb 2021	17	13.23	76.46	7.0	33.55	8.1	25.2	5.16
F18	25 Feb 2021	18	12.93	78.24	6.5	33.56	8.0	25.3	4.82
F18	25 Feb 2021	19	12.70	80.83	6.2	33.57	8.0	25.3	3.93
F18	25 Feb 2021	20	12.58	82.72	6.0	33.58	8.0	25.4	3.28
F18	25 Feb 2021	21	12.53	83.90	5.9	33.59	7.9	25.4	3.09
F18	25 Feb 2021	22	12.47	84.26	5.8	33.58	7.9	25.4	2.80
F18	25 Feb 2021	23	12.42	84.61	5.7	33.61	7.9	25.4	2.56
F18	25 Feb 2021	24	12.36	85.02	5.5	33.63	7.9	25.5	2.38
F18	25 Feb 2021	25	12.34	84.84	5.3	33.64	7.9	25.5	2.36
F18	25 Feb 2021	26	12.22	84.18	5.1	33.66	7.9	25.5	2.13
F18	25 Feb 2021	27	12.15	84.18	5.0	33.65	7.9	25.5	1.82
F18	25 Feb 2021	28	12.09	84.31	5.0	33.66	7.9	25.5	1.80
F18	25 Feb 2021	29	11.92	84.65	4.9	33.69	7.9	25.6	1.64
F18	25 Feb 2021	30	11.72	85.77	4.9	33.70	7.9	25.6	1.47
F18	25 Feb 2021	31	11.65	86.81	4.9	33.69	7.9	25.6	1.28
F18	25 Feb 2021	32	11.55	87.15	4.9	33.70	7.9	25.7	1.22
F18	25 Feb 2021	33	11.43	87.32	4.8	33.71	7.9	25.7	1.05
F18	25 Feb 2021	34	11.37	87.49	4.8	33.71	7.8	25.7	0.95
F18	25 Feb 2021	35	11.34	87.53	4.8	33.71	7.8	25.7	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F18	25 Feb 2021	36	11.16	87.80	4.8	33.72	7.8	25.8	0.78
F18	25 Feb 2021	37	10.93	88.27	4.8	33.73	7.8	25.8	0.61
F18	25 Feb 2021	38	10.90	88.18	4.8	33.73	7.8	25.8	0.54
F18	25 Feb 2021	39	10.86	88.37	4.7	33.75	7.8	25.8	0.48
F18	25 Feb 2021	40	10.85	88.47	4.6	33.77	7.8	25.8	0.45
F18	25 Feb 2021	41	10.84	88.51	4.6	33.78	7.8	25.9	0.43
F18	25 Feb 2021	42	10.81	88.51	4.6	33.78	7.8	25.9	0.40
F18	25 Feb 2021	43	10.78	88.51	4.6	33.80	7.8	25.9	0.40
F18	25 Feb 2021	44	10.74	88.51	4.5	33.82	7.8	25.9	0.39
F18	25 Feb 2021	45	10.72	88.52	4.5	33.83	7.8	25.9	0.38
F18	25 Feb 2021	46	10.70	88.51	4.5	33.84	7.8	25.9	0.36
F18	25 Feb 2021	47	10.70	88.49	4.4	33.84	7.8	25.9	0.35
F18	25 Feb 2021	48	10.70	88.52	4.4	33.84	7.8	25.9	0.35
F18	25 Feb 2021	49	10.69	88.46	4.4	33.85	7.8	25.9	0.35
F18	25 Feb 2021	50	10.68	88.33	4.2	33.88	7.8	26.0	0.34
F18	25 Feb 2021	51	10.62	88.34	4.2	33.90	7.8	26.0	0.33
F18	25 Feb 2021	52	10.56	88.34	4.1	33.91	7.8	26.0	0.32
F18	25 Feb 2021	53	10.53	88.39	4.1	33.91	7.8	26.0	0.31
F18	25 Feb 2021	54	10.53	88.40	4.1	33.91	7.8	26.0	0.32
F18	25 Feb 2021	55	10.53	88.41	4.1	33.91	7.8	26.0	0.30
F18	25 Feb 2021	56	10.52	88.41	4.1	33.91	7.8	26.0	0.30
F18	25 Feb 2021	57	10.51	88.40	4.0	33.91	7.8	26.0	0.31
F18	25 Feb 2021	58	10.50	88.37	4.0	33.92	7.8	26.0	0.30
F18	25 Feb 2021	59	10.50	88.37	4.0	33.93	7.8	26.0	0.29
F18	25 Feb 2021	60	10.48	88.29	3.9	33.93	7.8	26.0	0.30
F18	25 Feb 2021	61	10.47	88.11	3.9	33.93	7.8	26.0	0.29
F18	25 Feb 2021	62	10.46	88.16	3.9	33.94	7.8	26.0	0.28
F18	25 Feb 2021	63	10.45	88.29	3.9	33.95	7.8	26.1	0.29
F18	25 Feb 2021	64	10.43	88.32	3.8	33.96	7.8	26.1	0.29
F18	25 Feb 2021	65	10.40	88.38	3.8	33.96	7.8	26.1	0.29
F18	25 Feb 2021	66	10.36	88.41	3.8	33.96	7.8	26.1	0.29
F18	25 Feb 2021	67	10.35	88.33	3.8	33.97	7.8	26.1	0.28
F18	25 Feb 2021	68	10.33	88.20	3.7	33.98	7.8	26.1	0.28
F18	25 Feb 2021	69	10.33	88.28	3.7	33.98	7.8	26.1	0.28
F18	25 Feb 2021	70	10.32	88.19	3.6	33.98	7.8	26.1	0.29
F18	25 Feb 2021	71	10.32	87.83	3.6	33.99	7.7	26.1	0.28
F18	25 Feb 2021	72	10.32	87.72	3.6	33.99	7.7	26.1	0.29
F18	25 Feb 2021	73	10.32	87.61	3.6	33.99	7.7	26.1	0.28
F18	25 Feb 2021	74	10.32	87.56	3.6	33.99	7.7	26.1	0.29
F18	25 Feb 2021	75	10.32	87.53	3.5	33.99	7.7	26.1	0.28
F18	25 Feb 2021	76	10.32	87.46	3.5	34.00	7.7	26.1	0.28
F18	25 Feb 2021	77	10.32	86.97	3.5	33.99	7.7	26.1	0.29
F18	25 Feb 2021	78	10.31	86.74	3.5	34.00	7.7	26.1	0.28
F18	25 Feb 2021	79	10.31	86.48	3.5	34.00	7.7	26.1	0.29
F18	25 Feb 2021	80	10.30	86.27	3.5	34.00	7.7	26.1	0.29
F18	25 Feb 2021	81	10.29	85.84	3.4	34.00	7.7	26.1	0.30
F18	25 Feb 2021	82	10.29	85.37	3.4	34.01	7.7	26.1	0.29
F19	25 Feb 2021	1	14.76	81.12	8.8	33.52	8.2	24.9	0.70
F19	25 Feb 2021	2	14.75	81.03	8.8	33.52	8.2	24.9	0.73
F19	25 Feb 2021	3	14.65	80.68	8.8	33.52	8.2	24.9	0.79
F19	25 Feb 2021	4	14.61	80.28	8.9	33.52	8.2	24.9	0.88
F19	25 Feb 2021	5	14.59	80.00	8.9	33.52	8.2	24.9	0.98
F19	25 Feb 2021	6	14.56	79.91	8.9	33.52	8.2	24.9	1.15
F19	25 Feb 2021	7	14.52	79.90	8.9	33.52	8.2	24.9	1.34
F19	25 Feb 2021	8	14.42	79.38	9.0	33.53	8.2	25.0	1.67
F19	25 Feb 2021	9	14.32	78.77	8.9	33.53	8.2	25.0	2.05
F19	25 Feb 2021	10	14.18	79.12	8.9	33.53	8.2	25.0	2.16
F19	25 Feb 2021	11	14.14	79.25	8.9	33.52	8.2	25.0	2.31
F19	25 Feb 2021	12	14.14	79.01	8.9	33.52	8.2	25.0	2.48
F19	25 Feb 2021	13	14.09	79.02	8.6	33.52	8.2	25.0	2.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	25 Feb 2021	14	13.87	79.04	8.2	33.54	8.2	25.1	2.84
F19	25 Feb 2021	15	13.78	78.37	7.8	33.53	8.1	25.1	3.29
F19	25 Feb 2021	16	13.51	75.79	7.5	33.56	8.1	25.2	4.38
F19	25 Feb 2021	17	13.30	75.18	7.2	33.54	8.1	25.2	5.45
F19	25 Feb 2021	18	13.25	74.95	7.1	33.53	8.0	25.2	6.01
F19	25 Feb 2021	19	13.20	75.22	7.0	33.53	8.0	25.2	6.13
F19	25 Feb 2021	20	13.11	75.71	6.8	33.54	8.0	25.2	5.95
F19	25 Feb 2021	21	12.85	78.10	6.4	33.58	8.0	25.3	5.11
F19	25 Feb 2021	22	12.71	81.44	6.2	33.58	8.0	25.3	4.06
F19	25 Feb 2021	23	12.66	83.12	6.0	33.59	8.0	25.4	3.33
F19	25 Feb 2021	24	12.64	83.55	5.9	33.59	7.9	25.4	2.93
F19	25 Feb 2021	25	12.61	83.79	5.8	33.60	7.9	25.4	2.79
F19	25 Feb 2021	26	12.61	83.83	5.8	33.60	7.9	25.4	2.68
F19	25 Feb 2021	27	12.61	83.73	5.8	33.60	7.9	25.4	2.47
F19	25 Feb 2021	28	12.58	83.18	5.8	33.60	7.9	25.4	2.49
F19	25 Feb 2021	29	12.56	83.06	5.8	33.60	7.9	25.4	2.48
F19	25 Feb 2021	30	12.53	83.45	5.7	33.60	7.9	25.4	2.43
F19	25 Feb 2021	31	12.52	83.42	5.7	33.61	7.9	25.4	2.47
F19	25 Feb 2021	32	12.48	82.96	5.5	33.62	7.9	25.4	2.17
F19	25 Feb 2021	33	12.29	83.53	5.3	33.65	7.9	25.5	2.06
F19	25 Feb 2021	34	12.13	84.75	5.2	33.65	7.9	25.5	1.88
F19	25 Feb 2021	35	11.98	85.61	5.0	33.69	7.9	25.6	1.54
F19	25 Feb 2021	36	11.49	86.83	4.9	33.72	7.9	25.7	1.24
F19	25 Feb 2021	37	11.25	87.65	4.8	33.72	7.8	25.7	1.00
F19	25 Feb 2021	38	11.15	87.83	4.8	33.71	7.8	25.7	0.82
F19	25 Feb 2021	39	11.00	88.06	4.8	33.72	7.8	25.8	0.69
F19	25 Feb 2021	40	10.90	88.31	4.8	33.73	7.8	25.8	0.60
F19	25 Feb 2021	41	10.88	88.44	4.8	33.74	7.8	25.8	0.53
F19	25 Feb 2021	42	10.89	88.41	4.7	33.75	7.8	25.8	0.50
F19	25 Feb 2021	43	10.93	88.31	4.6	33.77	7.8	25.8	0.50
F19	25 Feb 2021	44	10.95	88.28	4.5	33.79	7.8	25.8	0.46
F19	25 Feb 2021	45	10.97	88.28	4.4	33.81	7.8	25.9	0.45
F19	25 Feb 2021	46	10.96	88.24	4.4	33.82	7.8	25.9	0.44
F19	25 Feb 2021	47	10.96	88.18	4.4	33.82	7.8	25.9	0.43
F19	25 Feb 2021	48	10.94	88.16	4.3	33.83	7.8	25.9	0.40
F19	25 Feb 2021	49	10.93	88.19	4.3	33.83	7.8	25.9	0.41
F19	25 Feb 2021	50	10.91	88.30	4.3	33.84	7.8	25.9	0.41
F19	25 Feb 2021	51	10.88	88.30	4.3	33.85	7.8	25.9	0.39
F19	25 Feb 2021	52	10.86	88.12	4.2	33.87	7.8	25.9	0.38
F19	25 Feb 2021	53	10.81	88.12	4.2	33.86	7.8	25.9	0.39
F19	25 Feb 2021	54	10.77	88.23	4.3	33.85	7.8	25.9	0.38
F19	25 Feb 2021	55	10.73	88.24	4.2	33.85	7.8	25.9	0.37
F19	25 Feb 2021	56	10.70	88.00	4.2	33.86	7.8	25.9	0.36
F19	25 Feb 2021	57	10.70	87.77	4.0	33.87	7.8	25.9	0.35
F19	25 Feb 2021	58	10.69	87.56	3.9	33.87	7.8	25.9	0.34
F19	25 Feb 2021	59	10.69	87.42	3.9	33.87	7.8	25.9	0.33
F19	25 Feb 2021	60	10.67	87.38	4.0	33.87	7.8	26.0	0.33
F19	25 Feb 2021	61	10.66	87.81	4.0	33.88	7.8	26.0	0.33
F19	25 Feb 2021	62	10.63	87.80	4.0	33.88	7.8	26.0	0.33
F19	25 Feb 2021	63	10.53	88.23	4.0	33.92	7.8	26.0	0.32
F19	25 Feb 2021	64	10.50	88.37	4.0	33.92	7.8	26.0	0.33
F19	25 Feb 2021	65	10.48	88.34	4.0	33.93	7.8	26.0	0.31
F19	25 Feb 2021	66	10.45	88.33	3.9	33.95	7.8	26.1	0.31
F19	25 Feb 2021	67	10.40	88.32	3.8	33.96	7.8	26.1	0.31
F19	25 Feb 2021	68	10.39	88.32	3.8	33.96	7.8	26.1	0.31
F19	25 Feb 2021	69	10.38	88.31	3.8	33.96	7.8	26.1	0.31
F19	25 Feb 2021	70	10.37	88.18	3.8	33.97	7.8	26.1	0.30
F19	25 Feb 2021	71	10.36	87.94	3.7	33.97	7.8	26.1	0.31
F19	25 Feb 2021	72	10.35	87.93	3.7	33.97	7.8	26.1	0.29
F19	25 Feb 2021	73	10.34	87.72	3.7	33.98	7.8	26.1	0.30
F19	25 Feb 2021	74	10.34	87.64	3.6	33.98	7.7	26.1	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F19	25 Feb 2021	75	10.33	87.26	3.6	33.99	7.7	26.1	0.31
F19	25 Feb 2021	76	10.33	86.92	3.5	33.99	7.7	26.1	0.30
F19	25 Feb 2021	77	10.32	86.70	3.5	34.00	7.7	26.1	0.30
F19	25 Feb 2021	78	10.31	86.59	3.5	34.00	7.7	26.1	0.32
F19	25 Feb 2021	79	10.31	86.52	3.5	34.00	7.7	26.1	0.30
F19	25 Feb 2021	80	10.31	86.48	3.5	34.00	7.7	26.1	0.29
F19	25 Feb 2021	81	10.31	86.51	3.5	34.00	7.7	26.1	0.30
F19	25 Feb 2021	82	10.30	86.46	3.5	34.00	7.7	26.1	0.29
F19	25 Feb 2021	83	10.30	86.34	3.5	34.00	7.7	26.1	0.30
F19	25 Feb 2021	84	10.30	86.27	3.5	34.00	7.7	26.1	0.29
F20	25 Feb 2021	1	14.66	79.10	8.8	33.54	8.2	24.9	1.07
F20	25 Feb 2021	2	14.67	79.12	8.8	33.54	8.2	24.9	1.04
F20	25 Feb 2021	3	14.55	79.00	8.7	33.56	8.2	25.0	1.33
F20	25 Feb 2021	4	14.35	77.37	8.6	33.56	8.2	25.0	1.82
F20	25 Feb 2021	5	14.30	76.72	8.6	33.55	8.2	25.0	2.17
F20	25 Feb 2021	6	14.26	77.19	8.7	33.55	8.2	25.0	2.51
F20	25 Feb 2021	7	14.22	77.26	8.7	33.55	8.2	25.0	2.82
F20	25 Feb 2021	8	14.22	77.32	8.8	33.54	8.2	25.0	3.17
F20	25 Feb 2021	9	14.21	77.48	8.8	33.54	8.2	25.0	3.32
F20	25 Feb 2021	10	14.21	77.44	8.8	33.54	8.2	25.0	3.49
F20	25 Feb 2021	11	14.17	77.35	8.8	33.55	8.2	25.0	3.63
F20	25 Feb 2021	12	14.01	77.35	8.7	33.56	8.2	25.1	3.76
F20	25 Feb 2021	13	13.94	77.55	8.5	33.56	8.2	25.1	3.77
F20	25 Feb 2021	14	13.73	77.82	8.1	33.57	8.1	25.1	3.85
F20	25 Feb 2021	15	13.49	78.50	7.5	33.59	8.1	25.2	3.91
F20	25 Feb 2021	16	13.18	80.33	7.0	33.59	8.1	25.3	3.37
F20	25 Feb 2021	17	13.06	80.71	6.7	33.59	8.0	25.3	2.87
F20	25 Feb 2021	18	12.97	80.91	6.5	33.60	8.0	25.3	2.74
F20	25 Feb 2021	19	12.87	81.27	6.2	33.62	8.0	25.3	2.39
F20	25 Feb 2021	20	12.52	81.86	5.8	33.67	8.0	25.5	2.11
F20	25 Feb 2021	21	12.32	82.75	5.5	33.66	7.9	25.5	1.78
F20	25 Feb 2021	22	12.29	83.04	5.3	33.65	7.9	25.5	1.63
F20	25 Feb 2021	23	12.24	83.17	5.3	33.65	7.9	25.5	1.58
F20	25 Feb 2021	24	12.19	83.25	5.2	33.65	7.9	25.5	1.54
F20	25 Feb 2021	25	12.18	83.47	5.2	33.65	7.9	25.5	1.50
F20	25 Feb 2021	26	12.15	83.57	5.2	33.66	7.9	25.5	1.49
F20	25 Feb 2021	27	12.13	83.59	5.1	33.65	7.9	25.5	1.48
F20	25 Feb 2021	28	12.12	83.55	5.1	33.65	7.9	25.5	1.51
F20	25 Feb 2021	29	12.11	83.67	5.1	33.65	7.9	25.5	1.48
F20	25 Feb 2021	30	12.10	83.63	5.1	33.65	7.9	25.5	1.51
F20	25 Feb 2021	31	12.09	83.69	5.1	33.65	7.9	25.5	1.44
F20	25 Feb 2021	32	12.09	83.67	5.1	33.65	7.9	25.5	1.44
F20	25 Feb 2021	33	12.09	83.67	5.1	33.66	7.9	25.5	1.47
F20	25 Feb 2021	34	12.08	83.73	5.1	33.66	7.9	25.5	1.44
F20	25 Feb 2021	35	12.07	83.60	5.1	33.66	7.9	25.5	1.52
F20	25 Feb 2021	36	12.05	83.78	5.1	33.66	7.9	25.5	1.41
F20	25 Feb 2021	37	12.04	83.89	5.1	33.66	7.9	25.5	1.41
F20	25 Feb 2021	38	12.02	84.06	5.0	33.66	7.9	25.5	1.42
F20	25 Feb 2021	39	12.02	84.12	5.1	33.66	7.9	25.5	1.37
F20	25 Feb 2021	40	12.02	84.29	5.1	33.66	7.9	25.5	1.40
F20	25 Feb 2021	41	11.99	84.26	5.1	33.66	7.9	25.6	1.39
F20	25 Feb 2021	42	11.97	84.57	5.1	33.66	7.9	25.6	1.38
F20	25 Feb 2021	43	11.98	84.60	5.0	33.66	7.9	25.6	1.35
F20	25 Feb 2021	44	11.98	84.56	5.0	33.66	7.9	25.6	1.38
F20	25 Feb 2021	45	11.97	84.82	5.1	33.66	7.9	25.6	1.35
F20	25 Feb 2021	46	11.88	85.35	5.1	33.68	7.9	25.6	1.34
F20	25 Feb 2021	47	11.77	86.25	5.0	33.69	7.9	25.6	1.19
F20	25 Feb 2021	48	11.51	86.91	5.0	33.70	7.9	25.7	1.07
F20	25 Feb 2021	49	11.45	87.22	5.0	33.69	7.8	25.7	0.99
F20	25 Feb 2021	50	11.38	87.46	5.0	33.70	7.8	25.7	0.93

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F20	25 Feb 2021	51	11.34	87.56	5.0	33.70	7.8	25.7	0.87
F20	25 Feb 2021	52	11.31	87.61	5.0	33.70	7.8	25.7	0.85
F20	25 Feb 2021	53	11.29	87.55	4.9	33.71	7.8	25.7	0.81
F20	25 Feb 2021	54	11.27	87.70	4.9	33.71	7.8	25.7	0.77
F20	25 Feb 2021	55	11.27	87.81	4.8	33.71	7.8	25.7	0.75
F20	25 Feb 2021	56	11.23	87.79	4.8	33.73	7.8	25.7	0.71
F20	25 Feb 2021	57	11.21	87.71	4.7	33.74	7.8	25.8	0.69
F20	25 Feb 2021	58	11.20	87.70	4.7	33.76	7.8	25.8	0.68
F20	25 Feb 2021	59	11.19	87.62	4.6	33.76	7.8	25.8	0.65
F20	25 Feb 2021	60	11.18	87.56	4.6	33.77	7.8	25.8	0.64
F20	25 Feb 2021	61	11.18	87.40	4.5	33.77	7.8	25.8	0.64
F20	25 Feb 2021	62	11.17	87.43	4.5	33.77	7.8	25.8	0.64
F20	25 Feb 2021	63	11.17	87.44	4.5	33.77	7.8	25.8	0.63
F20	25 Feb 2021	64	11.18	87.19	4.4	33.78	7.8	25.8	0.60
F20	25 Feb 2021	65	11.18	86.65	4.3	33.79	7.8	25.8	0.57
F20	25 Feb 2021	66	11.16	86.26	4.2	33.80	7.8	25.8	0.56
F20	25 Feb 2021	67	11.11	86.22	4.1	33.81	7.8	25.8	0.52
F20	25 Feb 2021	68	10.95	86.62	4.1	33.84	7.8	25.9	0.46
F20	25 Feb 2021	69	10.80	87.07	4.1	33.84	7.8	25.9	0.42
F20	25 Feb 2021	70	10.74	87.16	4.0	33.85	7.8	25.9	0.39
F20	25 Feb 2021	71	10.71	87.17	4.0	33.86	7.8	25.9	0.36
F20	25 Feb 2021	72	10.63	87.48	4.0	33.88	7.8	26.0	0.35
F20	25 Feb 2021	73	10.58	87.73	4.0	33.88	7.8	26.0	0.34
F20	25 Feb 2021	74	10.51	87.74	4.0	33.91	7.8	26.0	0.33
F20	25 Feb 2021	75	10.48	87.63	3.9	33.92	7.8	26.0	0.32
F20	25 Feb 2021	76	10.46	87.65	3.8	33.94	7.8	26.0	0.31
F20	25 Feb 2021	77	10.43	87.45	3.8	33.95	7.8	26.1	0.31
F20	25 Feb 2021	78	10.42	87.75	3.8	33.95	7.8	26.1	0.31
F20	25 Feb 2021	79	10.42	87.97	3.8	33.95	7.8	26.1	0.31
F20	25 Feb 2021	80	10.39	87.82	3.7	33.96	7.8	26.1	0.32
F20	25 Feb 2021	81	10.37	86.85	3.6	33.98	7.7	26.1	0.31
F20	25 Feb 2021	82	10.37	86.35	3.6	33.98	7.7	26.1	0.31
F20	25 Feb 2021	83	10.36	85.89	3.6	33.98	7.7	26.1	0.30
F21	25 Feb 2021	1	14.47	78.01	8.6	33.55	8.2	25.0	1.29
F21	25 Feb 2021	2	14.46	78.02	8.6	33.55	8.2	25.0	1.35
F21	25 Feb 2021	3	14.41	77.76	8.6	33.55	8.2	25.0	1.51
F21	25 Feb 2021	4	14.35	77.32	8.5	33.56	8.2	25.0	1.85
F21	25 Feb 2021	5	14.24	76.79	8.3	33.56	8.2	25.0	2.41
F21	25 Feb 2021	6	14.15	76.66	8.1	33.56	8.1	25.0	2.81
F21	25 Feb 2021	7	14.11	76.99	8.0	33.56	8.1	25.1	3.09
F21	25 Feb 2021	8	14.08	77.38	7.9	33.56	8.1	25.1	3.49
F21	25 Feb 2021	9	14.04	77.63	7.8	33.57	8.1	25.1	3.50
F21	25 Feb 2021	10	13.94	77.75	7.6	33.58	8.1	25.1	3.54
F21	25 Feb 2021	11	13.88	78.03	7.5	33.58	8.1	25.1	3.45
F21	25 Feb 2021	12	13.86	78.45	7.5	33.58	8.1	25.1	3.44
F21	25 Feb 2021	13	13.82	78.75	7.5	33.58	8.1	25.1	3.39
F21	25 Feb 2021	14	13.76	79.01	7.4	33.58	8.1	25.1	3.18
F21	25 Feb 2021	15	13.78	79.14	7.4	33.58	8.1	25.1	3.16
F21	25 Feb 2021	16	13.78	79.16	7.4	33.58	8.1	25.1	3.09
F21	25 Feb 2021	17	13.56	79.52	7.1	33.61	8.1	25.2	2.84
F21	25 Feb 2021	18	13.40	80.47	6.9	33.60	8.0	25.2	2.59
F21	25 Feb 2021	19	13.38	80.55	6.8	33.60	8.0	25.2	2.43
F21	25 Feb 2021	20	13.35	80.70	6.8	33.60	8.0	25.2	2.40
F21	25 Feb 2021	21	13.28	80.75	6.8	33.60	8.0	25.3	2.38
F21	25 Feb 2021	22	13.25	80.70	6.7	33.60	8.0	25.3	2.30
F21	25 Feb 2021	23	13.23	80.91	6.7	33.60	8.0	25.3	2.34
F21	25 Feb 2021	24	13.19	81.08	6.6	33.61	8.0	25.3	2.33
F21	25 Feb 2021	25	13.13	81.05	6.4	33.61	8.0	25.3	2.17
F21	25 Feb 2021	26	12.91	81.25	6.1	33.65	8.0	25.4	2.00
F21	25 Feb 2021	27	12.62	81.88	5.7	33.66	8.0	25.4	1.86

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F21	25 Feb 2021	28	12.36	82.60	5.5	33.67	7.9	25.5	1.77
F21	25 Feb 2021	29	12.23	82.77	5.3	33.66	7.9	25.5	1.63
F21	25 Feb 2021	30	12.19	82.96	5.2	33.66	7.9	25.5	1.55
F21	25 Feb 2021	31	12.16	83.29	5.2	33.66	7.9	25.5	1.54
F21	25 Feb 2021	32	12.11	83.69	5.1	33.66	7.9	25.5	1.44
F21	25 Feb 2021	33	12.07	83.75	5.1	33.65	7.9	25.5	1.54
F21	25 Feb 2021	34	12.05	83.83	5.1	33.65	7.9	25.5	1.42
F21	25 Feb 2021	35	12.05	83.94	5.1	33.65	7.9	25.5	1.41
F21	25 Feb 2021	36	12.03	83.96	5.1	33.65	7.9	25.5	1.42
F21	25 Feb 2021	37	12.02	84.10	5.1	33.65	7.9	25.5	1.40
F21	25 Feb 2021	38	12.02	84.69	5.1	33.65	7.9	25.5	1.35
F21	25 Feb 2021	39	11.94	85.14	5.0	33.67	7.9	25.6	1.33
F21	25 Feb 2021	40	11.88	85.01	5.1	33.66	7.9	25.6	1.32
F21	25 Feb 2021	41	11.88	85.35	5.1	33.66	7.9	25.6	1.27
F21	25 Feb 2021	42	11.75	85.81	5.0	33.68	7.9	25.6	1.19
F21	25 Feb 2021	43	11.67	85.93	4.9	33.69	7.9	25.6	1.15
F21	25 Feb 2021	44	11.60	86.45	4.9	33.69	7.8	25.6	1.09
F21	25 Feb 2021	45	11.59	86.61	4.9	33.69	7.8	25.6	1.04
F21	25 Feb 2021	46	11.59	86.58	4.9	33.69	7.8	25.7	1.01
F21	25 Feb 2021	47	11.59	86.53	4.9	33.69	7.8	25.7	1.02
F21	25 Feb 2021	48	11.59	86.37	4.8	33.70	7.8	25.7	1.02
F21	25 Feb 2021	49	11.59	86.25	4.8	33.70	7.8	25.7	1.00
F21	25 Feb 2021	50	11.58	86.14	4.8	33.71	7.8	25.7	0.96
F21	25 Feb 2021	51	11.57	86.09	4.8	33.71	7.8	25.7	0.97
F21	25 Feb 2021	52	11.56	86.06	4.8	33.72	7.8	25.7	0.99
F21	25 Feb 2021	53	11.55	86.19	4.8	33.72	7.8	25.7	0.94
F21	25 Feb 2021	54	11.54	86.32	4.8	33.72	7.8	25.7	0.94
F21	25 Feb 2021	55	11.54	86.26	4.8	33.72	7.8	25.7	0.91
F21	25 Feb 2021	56	11.54	86.18	4.7	33.72	7.8	25.7	0.90
F21	25 Feb 2021	57	11.54	86.03	4.7	33.72	7.8	25.7	0.91
F21	25 Feb 2021	58	11.54	85.96	4.7	33.72	7.8	25.7	0.92
F21	25 Feb 2021	59	11.54	85.88	4.7	33.72	7.8	25.7	0.88
F21	25 Feb 2021	60	11.54	85.89	4.7	33.72	7.8	25.7	0.86
F21	25 Feb 2021	61	11.53	85.79	4.7	33.73	7.8	25.7	0.85
F21	25 Feb 2021	62	11.48	85.78	4.6	33.74	7.8	25.7	0.89
F21	25 Feb 2021	63	11.41	85.67	4.5	33.76	7.8	25.7	0.76
F21	25 Feb 2021	64	11.30	85.49	4.3	33.78	7.8	25.8	0.68
F21	25 Feb 2021	65	11.11	85.24	4.2	33.83	7.8	25.8	0.60
F21	25 Feb 2021	66	10.92	85.89	4.1	33.84	7.8	25.9	0.50
F21	25 Feb 2021	67	10.85	86.83	4.1	33.84	7.8	25.9	0.44
F21	25 Feb 2021	68	10.77	87.29	4.1	33.84	7.8	25.9	0.39
F21	25 Feb 2021	69	10.63	87.39	4.0	33.88	7.8	26.0	0.36
F21	25 Feb 2021	70	10.57	87.29	3.9	33.89	7.8	26.0	0.34
F21	25 Feb 2021	71	10.53	87.18	3.8	33.91	7.8	26.0	0.32
F21	25 Feb 2021	72	10.47	86.73	3.7	33.94	7.8	26.0	0.34
F21	25 Feb 2021	73	10.44	86.21	3.7	33.95	7.8	26.1	0.35
F21	25 Feb 2021	74	10.43	85.76	3.6	33.95	7.7	26.1	0.34
F21	25 Feb 2021	75	10.43	85.65	3.6	33.95	7.7	26.1	0.32
F21	25 Feb 2021	76	10.42	85.57	3.6	33.95	7.7	26.1	0.33
F21	25 Feb 2021	77	10.42	85.50	3.6	33.96	7.7	26.1	0.32
F21	25 Feb 2021	78	10.42	85.50	3.6	33.95	7.7	26.1	0.31
F21	25 Feb 2021	79	10.41	85.41	3.6	33.96	7.7	26.1	0.31
F21	25 Feb 2021	80	10.41	85.35	3.6	33.96	7.7	26.1	0.31
F21	25 Feb 2021	81	10.40	85.30	3.6	33.96	7.7	26.1	0.31
F21	25 Feb 2021	82	10.40	85.29	3.6	33.96	7.7	26.1	0.30
F21	25 Feb 2021	83	10.40	85.26	3.6	33.96	7.7	26.1	0.31
F21	25 Feb 2021	84	10.40	85.33	3.6	33.96	7.7	26.1	0.31
F21	25 Feb 2021	85	10.40	85.34	3.6	33.96	7.7	26.1	0.31
F22	25 Feb 2021	1	14.36	77.64	8.4	33.55	8.2	25.0	1.68
F22	25 Feb 2021	2	14.31	76.85	8.3	33.55	8.1	25.0	1.92



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F22	25 Feb 2021	3	14.23	75.87	8.2	33.56	8.1	25.0	2.57
F22	25 Feb 2021	4	14.21	75.68	8.1	33.56	8.1	25.0	3.22
F22	25 Feb 2021	5	14.13	75.35	8.0	33.57	8.1	25.1	3.57
F22	25 Feb 2021	6	13.97	75.80	7.8	33.58	8.1	25.1	3.49
F22	25 Feb 2021	7	13.65	77.50	7.6	33.58	8.1	25.2	3.67
F22	25 Feb 2021	8	13.49	78.81	7.4	33.56	8.1	25.2	3.71
F22	25 Feb 2021	9	13.44	79.19	7.3	33.55	8.1	25.2	3.65
F22	25 Feb 2021	10	13.37	79.67	7.0	33.56	8.1	25.2	3.52
F22	25 Feb 2021	11	13.10	79.77	6.7	33.58	8.0	25.3	2.96
F22	25 Feb 2021	12	12.97	81.27	6.5	33.58	8.0	25.3	2.55
F22	25 Feb 2021	13	12.96	81.94	6.4	33.57	8.0	25.3	2.50
F22	25 Feb 2021	14	12.95	82.14	6.4	33.57	8.0	25.3	2.41
F22	25 Feb 2021	15	12.96	82.30	6.4	33.57	8.0	25.3	2.34
F22	25 Feb 2021	16	12.96	82.35	6.4	33.57	8.0	25.3	2.43
F22	25 Feb 2021	17	12.94	82.37	6.4	33.58	8.0	25.3	2.33
F22	25 Feb 2021	18	12.91	82.31	6.4	33.58	8.0	25.3	2.29
F22	25 Feb 2021	19	12.89	82.47	6.4	33.58	8.0	25.3	2.24
F22	25 Feb 2021	20	12.88	82.48	6.4	33.58	8.0	25.3	2.35
F22	25 Feb 2021	21	12.88	82.47	6.3	33.58	8.0	25.3	2.30
F22	25 Feb 2021	22	12.88	82.54	6.3	33.58	8.0	25.3	2.21
F22	25 Feb 2021	23	12.85	82.70	6.3	33.59	8.0	25.3	2.12
F22	25 Feb 2021	24	12.84	82.98	6.3	33.59	8.0	25.3	2.16
F22	25 Feb 2021	25	12.78	83.28	6.2	33.60	8.0	25.4	1.99
F22	25 Feb 2021	26	12.76	83.53	6.2	33.60	8.0	25.4	2.02
F22	25 Feb 2021	27	12.74	83.50	6.1	33.60	8.0	25.4	2.04
F22	25 Feb 2021	28	12.69	83.83	6.0	33.61	8.0	25.4	2.02
F22	25 Feb 2021	29	12.66	83.89	6.0	33.62	8.0	25.4	1.92
F22	25 Feb 2021	30	12.63	83.94	5.9	33.62	8.0	25.4	1.83
F22	25 Feb 2021	31	12.54	83.81	5.8	33.64	7.9	25.4	1.83
F22	25 Feb 2021	32	12.45	84.15	5.7	33.64	7.9	25.4	1.74
F22	25 Feb 2021	33	12.37	84.21	5.6	33.65	7.9	25.5	1.67
F22	25 Feb 2021	34	12.20	84.92	5.5	33.63	7.9	25.5	1.56
F22	25 Feb 2021	35	12.10	85.44	5.4	33.63	7.9	25.5	1.46
F22	25 Feb 2021	36	12.09	85.63	5.4	33.63	7.9	25.5	1.43
F22	25 Feb 2021	37	12.06	85.62	5.4	33.63	7.9	25.5	1.44
F22	25 Feb 2021	38	12.00	85.86	5.3	33.64	7.9	25.5	1.28
F22	25 Feb 2021	39	11.92	86.08	5.2	33.65	7.9	25.6	1.24
F22	25 Feb 2021	40	11.87	85.99	5.2	33.65	7.9	25.6	1.12
F22	25 Feb 2021	41	11.85	86.06	5.1	33.66	7.9	25.6	1.08
F22	25 Feb 2021	42	11.82	86.01	5.0	33.68	7.9	25.6	1.05
F22	25 Feb 2021	43	11.79	85.98	5.0	33.69	7.8	25.6	1.02
F22	25 Feb 2021	44	11.77	85.96	5.0	33.69	7.8	25.6	1.04
F22	25 Feb 2021	45	11.74	86.12	4.9	33.69	7.8	25.6	1.03
F22	25 Feb 2021	46	11.73	86.14	4.9	33.69	7.8	25.6	1.01
F22	25 Feb 2021	47	11.72	86.07	4.9	33.69	7.8	25.6	1.14
F22	25 Feb 2021	48	11.72	85.98	4.9	33.69	7.8	25.6	1.01
F22	25 Feb 2021	49	11.72	85.91	4.8	33.70	7.8	25.6	0.97
F22	25 Feb 2021	50	11.72	85.76	4.8	33.70	7.8	25.6	0.98
F22	25 Feb 2021	51	11.69	85.53	4.8	33.71	7.8	25.6	0.98
F22	25 Feb 2021	52	11.67	85.43	4.7	33.71	7.8	25.7	0.94
F22	25 Feb 2021	53	11.61	85.85	4.7	33.73	7.8	25.7	0.92
F22	25 Feb 2021	54	11.55	86.12	4.7	33.73	7.8	25.7	0.90
F22	25 Feb 2021	55	11.54	86.07	4.7	33.73	7.8	25.7	0.84
F22	25 Feb 2021	56	11.53	86.01	4.6	33.73	7.8	25.7	0.82
F22	25 Feb 2021	57	11.53	86.09	4.6	33.73	7.8	25.7	0.81
F22	25 Feb 2021	58	11.37	86.14	4.4	33.78	7.8	25.8	0.72
F22	25 Feb 2021	59	11.11	86.28	4.2	33.82	7.8	25.8	0.61
F22	25 Feb 2021	60	11.03	86.28	4.1	33.82	7.8	25.9	0.54
F22	25 Feb 2021	61	10.98	86.26	4.1	33.83	7.8	25.9	0.49
F22	25 Feb 2021	62	10.91	86.43	4.0	33.84	7.8	25.9	0.43
F22	25 Feb 2021	63	10.88	86.28	4.0	33.84	7.8	25.9	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F22	25 Feb 2021	64	10.86	86.41	4.0	33.84	7.8	25.9	0.40
F22	25 Feb 2021	65	10.84	86.50	4.0	33.84	7.8	25.9	0.40
F22	25 Feb 2021	66	10.81	86.55	4.0	33.84	7.8	25.9	0.39
F22	25 Feb 2021	67	10.78	86.66	4.0	33.85	7.8	25.9	0.38
F22	25 Feb 2021	68	10.75	86.87	4.0	33.85	7.8	25.9	0.37
F22	25 Feb 2021	69	10.73	86.77	3.9	33.86	7.8	25.9	0.36
F22	25 Feb 2021	70	10.72	86.89	4.0	33.86	7.8	25.9	0.35
F22	25 Feb 2021	71	10.70	87.12	4.0	33.86	7.8	25.9	0.34
F22	25 Feb 2021	72	10.69	87.04	3.9	33.87	7.8	25.9	0.34
F22	25 Feb 2021	73	10.68	86.58	3.8	33.88	7.8	26.0	0.34
F22	25 Feb 2021	74	10.65	86.52	3.8	33.88	7.8	26.0	0.33
F22	25 Feb 2021	75	10.62	86.69	3.8	33.89	7.8	26.0	0.34
F22	25 Feb 2021	76	10.59	86.57	3.7	33.90	7.8	26.0	0.33
F22	25 Feb 2021	77	10.54	86.13	3.7	33.92	7.7	26.0	0.33
F22	25 Feb 2021	78	10.51	85.99	3.6	33.93	7.7	26.0	0.32
F22	25 Feb 2021	79	10.50	85.79	3.6	33.94	7.7	26.0	0.32
F22	25 Feb 2021	80	10.47	85.15	3.6	33.94	7.7	26.0	0.31
F22	25 Feb 2021	81	10.44	83.51	3.5	33.95	7.7	26.1	0.32
F22	25 Feb 2021	82	10.40	78.15	3.5	33.95	7.7	26.1	0.31
F23	25 Feb 2021	1	14.55	79.50	8.9	33.54	8.2	24.9	1.18
F23	25 Feb 2021	2	14.52	79.29	8.9	33.54	8.2	25.0	1.30
F23	25 Feb 2021	3	14.46	78.75	8.9	33.54	8.2	25.0	1.58
F23	25 Feb 2021	4	14.44	78.18	8.9	33.54	8.2	25.0	2.01
F23	25 Feb 2021	5	14.40	77.77	8.8	33.54	8.2	25.0	2.74
F23	25 Feb 2021	6	14.29	77.31	8.6	33.55	8.2	25.0	3.43
F23	25 Feb 2021	7	14.22	76.71	8.5	33.55	8.2	25.0	3.87
F23	25 Feb 2021	8	14.14	77.20	8.4	33.56	8.1	25.0	4.03
F23	25 Feb 2021	9	14.11	78.22	8.3	33.55	8.1	25.0	4.00
F23	25 Feb 2021	10	14.10	78.55	8.3	33.55	8.1	25.0	4.04
F23	25 Feb 2021	11	14.10	78.31	8.3	33.55	8.1	25.0	3.89
F23	25 Feb 2021	12	14.10	78.67	8.2	33.55	8.1	25.0	3.71
F23	25 Feb 2021	13	14.06	79.02	8.1	33.56	8.1	25.1	3.56
F23	25 Feb 2021	14	13.89	79.80	7.9	33.57	8.1	25.1	3.52
F23	25 Feb 2021	15	13.73	79.95	7.8	33.56	8.1	25.1	3.38
F23	25 Feb 2021	16	13.63	80.18	7.6	33.56	8.1	25.1	3.18
F23	25 Feb 2021	17	13.42	81.27	7.2	33.57	8.1	25.2	2.89
F23	25 Feb 2021	18	13.11	82.40	6.8	33.59	8.0	25.3	2.55
F23	25 Feb 2021	19	12.94	83.03	6.6	33.58	8.0	25.3	2.41
F23	25 Feb 2021	20	12.92	83.00	6.5	33.58	8.0	25.3	2.39
F23	25 Feb 2021	21	12.91	82.88	6.5	33.58	8.0	25.3	2.33
F23	25 Feb 2021	22	12.91	83.05	6.5	33.58	8.0	25.3	2.27
F23	25 Feb 2021	23	12.89	83.08	6.4	33.58	8.0	25.3	2.21
F23	25 Feb 2021	24	12.86	83.07	6.4	33.59	8.0	25.3	2.28
F23	25 Feb 2021	25	12.81	83.25	6.2	33.59	8.0	25.3	2.10
F23	25 Feb 2021	26	12.53	83.47	5.8	33.64	8.0	25.4	1.83
F23	25 Feb 2021	27	12.24	84.39	5.4	33.67	7.9	25.5	1.58
F23	25 Feb 2021	28	12.00	85.27	5.1	33.68	7.9	25.6	1.35
F23	25 Feb 2021	29	11.95	85.63	5.0	33.67	7.9	25.6	1.25
F23	25 Feb 2021	30	11.88	85.82	4.9	33.68	7.9	25.6	1.16
F23	25 Feb 2021	31	11.82	85.79	4.9	33.69	7.9	25.6	1.09
F23	25 Feb 2021	32	11.80	85.82	4.9	33.69	7.8	25.6	1.06
F23	25 Feb 2021	33	11.79	85.73	4.9	33.69	7.8	25.6	1.05
F23	25 Feb 2021	34	11.78	85.77	4.8	33.69	7.8	25.6	1.03
F23	25 Feb 2021	35	11.77	85.88	4.8	33.69	7.8	25.6	1.01
F23	25 Feb 2021	36	11.69	85.92	4.8	33.70	7.8	25.6	0.98
F23	25 Feb 2021	37	11.66	85.82	4.8	33.71	7.8	25.6	0.93
F23	25 Feb 2021	38	11.65	85.77	4.7	33.71	7.8	25.6	0.97
F23	25 Feb 2021	39	11.65	85.71	4.7	33.71	7.8	25.7	0.98
F23	25 Feb 2021	40	11.56	86.01	4.8	33.72	7.8	25.7	0.89
F23	25 Feb 2021	41	11.43	86.64	4.8	33.71	7.8	25.7	0.85

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F23	25 Feb 2021	42	11.38	86.87	4.8	33.71	7.8	25.7	0.82
F23	25 Feb 2021	43	11.34	87.10	4.7	33.72	7.8	25.7	0.77
F23	25 Feb 2021	44	11.33	87.00	4.7	33.73	7.8	25.7	0.73
F23	25 Feb 2021	45	11.34	87.00	4.7	33.73	7.8	25.7	0.73
F23	25 Feb 2021	46	11.31	86.87	4.6	33.74	7.8	25.7	0.69
F23	25 Feb 2021	47	11.26	87.04	4.6	33.75	7.8	25.8	0.68
F23	25 Feb 2021	48	11.18	87.05	4.4	33.78	7.8	25.8	0.61
F23	25 Feb 2021	49	11.06	87.10	4.3	33.80	7.8	25.8	0.55
F23	25 Feb 2021	50	11.03	87.18	4.2	33.81	7.8	25.8	0.54
F23	25 Feb 2021	51	10.95	86.70	4.1	33.84	7.8	25.9	0.47
F23	25 Feb 2021	52	10.87	87.19	4.1	33.84	7.8	25.9	0.43
F23	25 Feb 2021	53	10.76	87.44	4.1	33.85	7.8	25.9	0.40
F23	25 Feb 2021	54	10.73	87.40	4.0	33.85	7.8	25.9	0.37
F23	25 Feb 2021	55	10.73	87.28	4.0	33.85	7.8	25.9	0.37
F23	25 Feb 2021	56	10.73	87.20	4.0	33.85	7.8	25.9	0.36
F23	25 Feb 2021	57	10.73	87.20	4.0	33.85	7.8	25.9	0.35
F23	25 Feb 2021	58	10.72	87.07	4.0	33.85	7.8	25.9	0.34
F23	25 Feb 2021	59	10.72	86.91	3.9	33.86	7.8	25.9	0.34
F23	25 Feb 2021	60	10.71	86.76	3.8	33.86	7.8	25.9	0.34
F23	25 Feb 2021	61	10.71	86.66	3.8	33.86	7.8	25.9	0.34
F23	25 Feb 2021	62	10.70	86.64	3.8	33.86	7.8	25.9	0.33
F23	25 Feb 2021	63	10.70	86.62	3.8	33.86	7.8	25.9	0.34
F23	25 Feb 2021	64	10.70	86.61	3.8	33.86	7.8	25.9	0.33
F23	25 Feb 2021	65	10.70	86.53	3.8	33.87	7.8	25.9	0.34
F23	25 Feb 2021	66	10.70	86.54	3.8	33.87	7.8	25.9	0.34
F23	25 Feb 2021	67	10.70	86.56	3.8	33.87	7.8	25.9	0.34
F23	25 Feb 2021	68	10.70	86.57	3.8	33.87	7.8	25.9	0.34
F23	25 Feb 2021	69	10.70	86.53	3.8	33.87	7.8	25.9	0.34
F23	25 Feb 2021	70	10.69	86.48	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	71	10.69	86.50	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	72	10.69	86.45	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	73	10.69	86.46	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	74	10.69	86.46	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	75	10.69	86.45	3.8	33.87	7.8	25.9	0.32
F23	25 Feb 2021	76	10.70	86.30	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	77	10.69	86.35	3.8	33.87	7.8	25.9	0.33
F23	25 Feb 2021	78	10.70	86.41	3.8	33.87	7.8	25.9	0.32
F23	25 Feb 2021	79	10.72	86.01	3.7	33.88	7.7	25.9	0.33
F23	25 Feb 2021	80	10.73	85.10	3.6	33.88	7.7	26.0	0.33
F23	25 Feb 2021	81	10.73	84.39	3.5	33.88	7.7	26.0	0.33
F23	25 Feb 2021	82	10.64	80.88	3.5	33.91	7.7	26.0	0.34
F23	25 Feb 2021	83	10.55	68.12	3.4	33.93	7.7	26.0	0.35
F24	25 Feb 2021	1	14.32	79.04	8.7	33.51	8.2	25.0	1.49
F24	25 Feb 2021	2	14.32	78.37	8.7	33.51	8.2	25.0	1.51
F24	25 Feb 2021	3	14.30	78.46	8.8	33.51	8.2	25.0	2.04
F24	25 Feb 2021	4	14.28	77.54	8.7	33.52	8.2	25.0	3.00
F24	25 Feb 2021	5	14.28	77.15	8.7	33.52	8.2	25.0	3.49
F24	25 Feb 2021	6	14.28	76.91	8.7	33.52	8.2	25.0	4.25
F24	25 Feb 2021	7	14.26	76.75	8.6	33.53	8.2	25.0	4.77
F24	25 Feb 2021	8	14.25	76.95	8.6	33.54	8.1	25.0	4.98
F24	25 Feb 2021	9	14.17	76.88	8.6	33.55	8.1	25.0	4.70
F24	25 Feb 2021	10	14.05	77.56	8.5	33.57	8.1	25.1	4.33
F24	25 Feb 2021	11	13.96	77.49	8.4	33.58	8.1	25.1	4.26
F24	25 Feb 2021	12	13.82	78.44	8.2	33.58	8.1	25.1	3.68
F24	25 Feb 2021	13	13.70	79.40	8.0	33.57	8.1	25.1	3.30
F24	25 Feb 2021	14	13.55	80.58	7.6	33.58	8.1	25.2	2.92
F24	25 Feb 2021	15	13.08	81.84	6.9	33.60	8.0	25.3	2.72
F24	25 Feb 2021	16	12.77	82.99	6.5	33.58	8.0	25.3	2.58
F24	25 Feb 2021	17	12.72	83.35	6.3	33.57	8.0	25.3	2.25
F24	25 Feb 2021	18	12.60	83.82	6.2	33.58	8.0	25.4	2.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F24	25 Feb 2021	19	12.49	84.64	6.1	33.58	8.0	25.4	2.07
F24	25 Feb 2021	20	12.44	84.88	6.0	33.57	7.9	25.4	1.92
F24	25 Feb 2021	21	12.21	85.93	5.7	33.60	7.9	25.5	1.71
F24	25 Feb 2021	22	12.11	85.87	5.6	33.60	7.9	25.5	1.56
F24	25 Feb 2021	23	11.99	86.26	5.5	33.60	7.9	25.5	1.49
F24	25 Feb 2021	24	11.94	86.39	5.4	33.60	7.9	25.5	1.36
F24	25 Feb 2021	25	11.88	86.43	5.4	33.60	7.9	25.5	1.27
F24	25 Feb 2021	26	11.78	86.42	5.3	33.62	7.9	25.6	1.26
F24	25 Feb 2021	27	11.71	86.36	5.2	33.63	7.9	25.6	1.20
F24	25 Feb 2021	28	11.68	86.49	5.2	33.63	7.9	25.6	1.15
F24	25 Feb 2021	29	11.66	86.54	5.2	33.64	7.9	25.6	1.15
F24	25 Feb 2021	30	11.65	86.64	5.1	33.64	7.9	25.6	1.07
F24	25 Feb 2021	31	11.63	86.69	5.1	33.64	7.9	25.6	1.07
F24	25 Feb 2021	32	11.62	86.76	5.2	33.64	7.9	25.6	1.08
F24	25 Feb 2021	33	11.60	86.82	5.2	33.64	7.9	25.6	1.06
F24	25 Feb 2021	34	11.59	86.92	5.2	33.64	7.9	25.6	1.04
F24	25 Feb 2021	35	11.58	86.81	5.2	33.64	7.9	25.6	1.06
F24	25 Feb 2021	36	11.58	86.80	5.1	33.64	7.9	25.6	1.02
F24	25 Feb 2021	37	11.57	86.85	5.1	33.65	7.9	25.6	0.99
F24	25 Feb 2021	38	11.45	86.91	5.0	33.66	7.9	25.7	0.96
F24	25 Feb 2021	39	11.40	87.17	5.0	33.67	7.8	25.7	0.90
F24	25 Feb 2021	40	11.38	87.14	4.9	33.69	7.8	25.7	0.84
F24	25 Feb 2021	41	11.33	87.18	4.8	33.71	7.8	25.7	0.78
F24	25 Feb 2021	42	11.32	87.31	4.8	33.72	7.8	25.7	0.74
F24	25 Feb 2021	43	11.29	87.32	4.7	33.73	7.8	25.7	0.71
F24	25 Feb 2021	44	11.26	87.50	4.6	33.74	7.8	25.7	0.68
F24	25 Feb 2021	45	11.18	87.61	4.6	33.75	7.8	25.8	0.61
F24	25 Feb 2021	46	11.11	87.67	4.5	33.76	7.8	25.8	0.57
F24	25 Feb 2021	47	11.09	87.49	4.5	33.77	7.8	25.8	0.53
F24	25 Feb 2021	48	11.07	87.60	4.4	33.79	7.8	25.8	0.52
F24	25 Feb 2021	49	11.04	87.73	4.3	33.80	7.8	25.8	0.49
F24	25 Feb 2021	50	11.00	87.68	4.3	33.82	7.8	25.9	0.47
F24	25 Feb 2021	51	10.99	87.61	4.2	33.82	7.8	25.9	0.44
F24	25 Feb 2021	52	10.96	87.66	4.2	33.83	7.8	25.9	0.42
F24	25 Feb 2021	53	10.94	87.68	4.1	33.83	7.8	25.9	0.41
F24	25 Feb 2021	54	10.92	87.54	4.1	33.84	7.8	25.9	0.40
F24	25 Feb 2021	55	10.90	87.47	4.1	33.84	7.8	25.9	0.40
F24	25 Feb 2021	56	10.87	87.35	4.0	33.85	7.8	25.9	0.39
F24	25 Feb 2021	57	10.84	87.28	3.9	33.85	7.8	25.9	0.37
F24	25 Feb 2021	58	10.83	87.00	3.9	33.86	7.8	25.9	0.37
F24	25 Feb 2021	59	10.81	86.92	3.8	33.86	7.8	25.9	0.35
F24	25 Feb 2021	60	10.80	86.87	3.8	33.87	7.8	25.9	0.34
F24	25 Feb 2021	61	10.79	86.42	3.7	33.87	7.8	25.9	0.34
F24	25 Feb 2021	62	10.79	86.35	3.6	33.87	7.7	25.9	0.34
F24	25 Feb 2021	63	10.77	86.09	3.6	33.88	7.7	25.9	0.32
F24	25 Feb 2021	64	10.76	86.20	3.6	33.88	7.7	25.9	0.32
F24	25 Feb 2021	65	10.75	86.32	3.6	33.88	7.7	25.9	0.33
F24	25 Feb 2021	66	10.74	86.30	3.6	33.88	7.7	25.9	0.32
F24	25 Feb 2021	67	10.73	86.45	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	68	10.72	86.50	3.7	33.88	7.7	26.0	0.33
F24	25 Feb 2021	69	10.72	86.53	3.6	33.88	7.7	26.0	0.33
F24	25 Feb 2021	70	10.72	86.43	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	71	10.72	86.40	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	72	10.72	86.44	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	73	10.72	86.47	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	74	10.72	86.43	3.6	33.88	7.7	26.0	0.32
F24	25 Feb 2021	75	10.72	86.01	3.5	33.89	7.7	26.0	0.31
F24	25 Feb 2021	76	10.70	84.98	3.5	33.90	7.7	26.0	0.31
F24	25 Feb 2021	77	10.68	84.35	3.4	33.90	7.7	26.0	0.32
F24	25 Feb 2021	78	10.67	82.98	3.4	33.91	7.7	26.0	0.32
F24	25 Feb 2021	79	10.66	81.95	3.4	33.91	7.7	26.0	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F24	25 Feb 2021	80	10.64	82.57	3.4	33.92	7.7	26.0	0.31
F24	25 Feb 2021	81	10.61	82.52	3.4	33.92	7.7	26.0	0.31
F24	25 Feb 2021	82	10.56	82.48	3.4	33.92	7.7	26.0	0.31
F24	25 Feb 2021	83	10.45	82.85	3.4	33.93	7.7	26.0	0.32
F25	25 Feb 2021	1	14.59	82.76	8.5	33.51	8.1	24.9	0.67
F25	25 Feb 2021	2	14.58	82.82	8.5	33.51	8.1	24.9	0.70
F25	25 Feb 2021	3	14.58	82.71	8.5	33.50	8.1	24.9	0.74
F25	25 Feb 2021	4	14.57	82.74	8.5	33.50	8.1	24.9	0.82
F25	25 Feb 2021	5	14.54	82.58	8.5	33.51	8.1	24.9	0.90
F25	25 Feb 2021	6	14.41	82.37	8.5	33.51	8.1	24.9	1.01
F25	25 Feb 2021	7	14.33	82.41	8.6	33.50	8.1	25.0	1.16
F25	25 Feb 2021	8	14.25	82.50	8.6	33.50	8.1	25.0	1.35
F25	25 Feb 2021	9	14.19	82.31	8.6	33.50	8.1	25.0	1.61
F25	25 Feb 2021	10	14.18	82.26	8.6	33.50	8.1	25.0	1.95
F25	25 Feb 2021	11	14.13	82.01	8.5	33.50	8.1	25.0	2.27
F25	25 Feb 2021	12	14.04	81.44	8.5	33.50	8.1	25.0	2.90
F25	25 Feb 2021	13	13.94	80.56	8.3	33.51	8.1	25.0	3.24
F25	25 Feb 2021	14	13.82	80.11	8.1	33.52	8.1	25.1	3.55
F25	25 Feb 2021	15	13.65	79.98	7.9	33.54	8.1	25.1	3.63
F25	25 Feb 2021	16	13.35	79.91	7.5	33.56	8.1	25.2	3.51
F25	25 Feb 2021	17	13.18	81.23	7.2	33.56	8.0	25.2	3.15
F25	25 Feb 2021	18	13.12	81.74	7.0	33.56	8.0	25.3	2.85
F25	25 Feb 2021	19	13.07	82.06	6.8	33.56	8.0	25.3	2.83
F25	25 Feb 2021	20	12.97	82.51	6.6	33.56	8.0	25.3	2.67
F25	25 Feb 2021	21	12.82	82.89	6.5	33.57	8.0	25.3	2.50
F25	25 Feb 2021	22	12.60	83.90	6.2	33.58	8.0	25.4	2.18
F25	25 Feb 2021	23	12.49	84.60	6.0	33.59	7.9	25.4	1.99
F25	25 Feb 2021	24	12.40	84.64	5.9	33.60	7.9	25.4	1.73
F25	25 Feb 2021	25	12.38	84.72	5.8	33.60	7.9	25.4	1.77
F25	25 Feb 2021	26	12.35	84.76	5.8	33.61	7.9	25.4	1.62
F25	25 Feb 2021	27	12.31	84.80	5.7	33.61	7.9	25.5	1.62
F25	25 Feb 2021	28	12.28	84.91	5.7	33.61	7.9	25.5	1.53
F25	25 Feb 2021	29	12.24	85.01	5.6	33.62	7.9	25.5	1.44
F25	25 Feb 2021	30	12.22	85.18	5.5	33.62	7.9	25.5	1.44
F25	25 Feb 2021	31	12.20	85.16	5.5	33.62	7.9	25.5	1.38
F25	25 Feb 2021	32	12.15	85.42	5.4	33.63	7.9	25.5	1.27
F25	25 Feb 2021	33	12.02	85.59	5.2	33.65	7.9	25.5	1.19
F25	25 Feb 2021	34	11.92	85.89	5.0	33.67	7.9	25.6	1.05
F25	25 Feb 2021	35	11.80	85.98	4.9	33.68	7.8	25.6	0.92
F25	25 Feb 2021	36	11.71	86.23	4.9	33.68	7.8	25.6	0.88
F25	25 Feb 2021	37	11.69	86.54	4.9	33.68	7.8	25.6	0.85
F25	25 Feb 2021	38	11.51	86.89	4.9	33.69	7.8	25.7	0.78
F25	25 Feb 2021	39	11.45	87.06	4.8	33.69	7.8	25.7	0.73
F25	25 Feb 2021	40	11.41	87.27	4.8	33.69	7.8	25.7	0.72
F25	25 Feb 2021	41	11.36	87.29	4.8	33.70	7.8	25.7	0.67
F25	25 Feb 2021	42	11.30	87.45	4.7	33.71	7.8	25.7	0.64
F25	25 Feb 2021	43	11.29	87.40	4.6	33.72	7.8	25.7	0.61
F25	25 Feb 2021	44	11.26	87.22	4.5	33.75	7.8	25.8	0.56
F25	25 Feb 2021	45	11.22	87.20	4.4	33.76	7.8	25.8	0.54
F25	25 Feb 2021	46	11.21	87.36	4.4	33.76	7.8	25.8	0.53
F25	25 Feb 2021	47	11.19	87.46	4.4	33.76	7.8	25.8	0.53
F25	25 Feb 2021	48	11.15	87.57	4.4	33.77	7.8	25.8	0.52
F25	25 Feb 2021	49	11.14	87.54	4.4	33.77	7.8	25.8	0.50
F25	25 Feb 2021	50	11.13	87.58	4.4	33.77	7.8	25.8	0.48
F25	25 Feb 2021	51	11.07	87.64	4.3	33.79	7.8	25.8	0.47
F25	25 Feb 2021	52	11.06	87.53	4.0	33.81	7.8	25.8	0.43
F25	25 Feb 2021	53	11.06	86.03	3.7	33.84	7.8	25.9	0.41
F25	25 Feb 2021	54	11.06	85.19	3.5	33.84	7.7	25.9	0.38
F25	25 Feb 2021	55	11.04	85.04	3.4	33.84	7.7	25.9	0.36
F25	25 Feb 2021	56	10.98	85.29	3.4	33.86	7.7	25.9	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F25	25 Feb 2021	57	10.94	84.98	3.4	33.86	7.7	25.9	0.35
F25	25 Feb 2021	58	10.91	85.00	3.4	33.87	7.7	25.9	0.34
F25	25 Feb 2021	59	10.85	85.43	3.5	33.87	7.7	25.9	0.33
F25	25 Feb 2021	60	10.81	86.83	3.7	33.87	7.7	25.9	0.33
F25	25 Feb 2021	61	10.78	86.68	3.6	33.88	7.7	25.9	0.32
F25	25 Feb 2021	62	10.78	86.11	3.5	33.88	7.7	25.9	0.32
F25	25 Feb 2021	63	10.78	85.80	3.5	33.88	7.7	25.9	0.32
F25	25 Feb 2021	64	10.78	85.85	3.5	33.88	7.7	25.9	0.32
F25	25 Feb 2021	65	10.78	85.80	3.5	33.88	7.7	25.9	0.32
F25	25 Feb 2021	66	10.78	85.71	3.5	33.88	7.7	25.9	0.31
F25	25 Feb 2021	67	10.78	85.57	3.4	33.88	7.7	25.9	0.33
F25	25 Feb 2021	68	10.77	85.62	3.4	33.88	7.7	25.9	0.31
F25	25 Feb 2021	69	10.77	85.74	3.5	33.89	7.7	25.9	0.32
F25	25 Feb 2021	70	10.76	85.55	3.4	33.89	7.7	26.0	0.31
F25	25 Feb 2021	71	10.76	85.33	3.4	33.89	7.7	26.0	0.32
F25	25 Feb 2021	72	10.74	85.22	3.4	33.89	7.7	26.0	0.31
F25	25 Feb 2021	73	10.65	85.08	3.4	33.91	7.7	26.0	0.31
F25	25 Feb 2021	74	10.61	84.82	3.4	33.91	7.7	26.0	0.30
F25	25 Feb 2021	75	10.53	84.96	3.4	33.91	7.7	26.0	0.31
F25	25 Feb 2021	76	10.50	85.39	3.4	33.90	7.7	26.0	0.30
F25	25 Feb 2021	77	10.46	85.57	3.4	33.90	7.7	26.0	0.29
F25	25 Feb 2021	78	10.44	85.67	3.4	33.90	7.7	26.0	0.29
F25	25 Feb 2021	79	10.41	85.60	3.4	33.91	7.7	26.0	0.30
F25	25 Feb 2021	80	10.41	85.56	3.4	33.91	7.7	26.0	0.30
F25	25 Feb 2021	81	10.40	85.30	3.4	33.91	7.7	26.0	0.30
F26	23 Feb 2021	1	15.42	70.62	9.9	33.53	8.3	24.7	2.23
F26	23 Feb 2021	2	15.37	70.07	10.0	33.53	8.3	24.8	3.09
F26	23 Feb 2021	3	14.83	67.18	10.0	33.57	8.3	24.9	4.64
F26	23 Feb 2021	4	14.47	67.42	9.8	33.53	8.3	25.0	5.19
F26	23 Feb 2021	5	14.42	71.09	9.6	33.52	8.3	25.0	5.63
F26	23 Feb 2021	6	14.38	72.77	9.4	33.52	8.3	25.0	6.33
F26	23 Feb 2021	7	14.35	72.16	9.3	33.53	8.3	25.0	6.69
F26	23 Feb 2021	8	14.30	71.70	9.2	33.53	8.2	25.0	6.65
F26	23 Feb 2021	9	14.28	72.18	9.2	33.53	8.2	25.0	6.65
F26	23 Feb 2021	10	14.27	73.35	9.0	33.53	8.2	25.0	5.86
F26	23 Feb 2021	11	14.16	75.13	8.5	33.55	8.2	25.0	5.00
F26	23 Feb 2021	12	13.76	77.44	7.6	33.57	8.2	25.1	4.47
F26	23 Feb 2021	13	13.30	80.50	6.8	33.58	8.1	25.2	3.96
F26	23 Feb 2021	14	12.87	82.74	6.2	33.58	8.0	25.3	3.07
F26	23 Feb 2021	15	12.59	84.07	5.8	33.59	8.0	25.4	2.44
F26	23 Feb 2021	16	12.28	85.17	5.5	33.62	8.0	25.5	1.81
F26	23 Feb 2021	17	12.02	85.85	5.2	33.63	8.0	25.5	1.46
F26	23 Feb 2021	18	11.76	86.34	5.0	33.66	7.9	25.6	1.13
F26	23 Feb 2021	19	11.63	86.84	5.0	33.65	7.9	25.6	0.93
F26	23 Feb 2021	20	11.60	86.89	5.0	33.66	7.9	25.6	0.81
F26	23 Feb 2021	21	11.53	87.10	4.9	33.67	7.9	25.6	0.77
F26	23 Feb 2021	22	11.45	87.18	4.9	33.67	7.9	25.7	0.74
F26	23 Feb 2021	23	11.33	87.28	4.8	33.68	7.9	25.7	0.69
F26	23 Feb 2021	24	11.27	87.35	4.8	33.70	7.9	25.7	0.61
F26	23 Feb 2021	25	11.16	87.48	4.7	33.72	7.9	25.7	0.58
F26	23 Feb 2021	26	11.10	87.63	4.6	33.74	7.9	25.8	0.52
F26	23 Feb 2021	27	11.05	87.72	4.5	33.77	7.9	25.8	0.56
F26	23 Feb 2021	28	11.04	87.72	4.4	33.77	7.9	25.8	0.45
F26	23 Feb 2021	29	11.02	87.69	4.4	33.78	7.9	25.8	0.45
F26	23 Feb 2021	30	11.01	87.78	4.4	33.79	7.8	25.8	0.46
F26	23 Feb 2021	31	10.99	87.72	4.3	33.80	7.8	25.8	0.42
F26	23 Feb 2021	32	10.98	87.62	4.3	33.81	7.8	25.9	0.40
F26	23 Feb 2021	33	10.95	87.55	4.2	33.83	7.8	25.9	0.39
F26	23 Feb 2021	34	10.91	87.59	4.2	33.84	7.8	25.9	0.38
F26	23 Feb 2021	35	10.89	87.68	4.2	33.84	7.8	25.9	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	23 Feb 2021	36	10.88	87.66	4.2	33.84	7.8	25.9	0.37
F26	23 Feb 2021	37	10.82	87.73	4.1	33.87	7.8	25.9	0.34
F26	23 Feb 2021	38	10.77	88.02	4.1	33.87	7.8	25.9	0.33
F26	23 Feb 2021	39	10.74	88.17	4.1	33.88	7.8	26.0	0.32
F26	23 Feb 2021	40	10.67	88.01	4.0	33.90	7.8	26.0	0.31
F26	23 Feb 2021	41	10.65	87.95	4.0	33.91	7.8	26.0	0.31
F26	23 Feb 2021	42	10.62	87.92	3.9	33.92	7.8	26.0	0.30
F26	23 Feb 2021	43	10.60	87.80	3.9	33.92	7.8	26.0	0.30
F26	23 Feb 2021	44	10.58	87.82	3.9	33.92	7.8	26.0	0.31
F26	23 Feb 2021	45	10.55	87.79	3.9	33.93	7.8	26.0	0.30
F26	23 Feb 2021	46	10.54	87.07	3.9	33.93	7.8	26.0	0.30
F26	23 Feb 2021	47	10.41	88.01	3.9	33.95	7.8	26.1	0.29
F26	23 Feb 2021	48	10.38	88.16	3.9	33.94	7.8	26.1	0.29
F26	23 Feb 2021	49	10.29	88.32	3.9	33.95	7.8	26.1	0.28
F26	23 Feb 2021	50	10.25	88.55	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	51	10.23	88.61	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	52	10.20	88.69	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	53	10.19	88.69	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	54	10.17	88.72	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	55	10.15	88.71	4.0	33.95	7.8	26.1	0.27
F26	23 Feb 2021	56	10.15	88.74	4.0	33.95	7.8	26.1	0.27
F26	23 Feb 2021	57	10.16	88.68	4.0	33.95	7.8	26.1	0.28
F26	23 Feb 2021	58	10.15	88.71	3.9	33.96	7.8	26.1	0.27
F26	23 Feb 2021	59	10.15	88.72	4.0	33.96	7.8	26.1	0.27
F26	23 Feb 2021	60	10.15	88.71	3.9	33.96	7.8	26.1	0.27
F26	23 Feb 2021	61	10.15	88.47	3.9	33.96	7.8	26.1	0.27
F26	23 Feb 2021	62	10.15	88.68	4.0	33.96	7.8	26.1	0.28
F26	23 Feb 2021	63	10.15	88.69	3.9	33.96	7.8	26.1	0.27
F26	23 Feb 2021	64	10.17	88.70	3.9	33.97	7.8	26.1	0.28
F26	23 Feb 2021	65	10.17	88.68	3.9	33.97	7.8	26.1	0.27
F26	23 Feb 2021	66	10.17	88.63	3.9	33.97	7.8	26.1	0.27
F26	23 Feb 2021	67	10.19	88.52	3.8	33.98	7.8	26.1	0.27
F26	23 Feb 2021	68	10.20	88.50	3.8	33.98	7.8	26.1	0.28
F26	23 Feb 2021	69	10.21	88.47	3.7	33.99	7.8	26.1	0.27
F26	23 Feb 2021	70	10.21	88.31	3.7	33.99	7.8	26.1	0.27
F26	23 Feb 2021	71	10.21	88.27	3.6	34.00	7.8	26.1	0.27
F26	23 Feb 2021	72	10.20	88.25	3.6	34.00	7.8	26.1	0.28
F26	23 Feb 2021	73	10.19	88.26	3.6	34.00	7.8	26.1	0.27
F26	23 Feb 2021	74	10.16	88.29	3.6	34.01	7.8	26.1	0.28
F26	23 Feb 2021	75	10.14	88.33	3.6	34.01	7.8	26.2	0.28
F26	23 Feb 2021	76	10.10	88.16	3.6	34.02	7.8	26.2	0.27
F26	23 Feb 2021	77	10.07	88.34	3.5	34.02	7.8	26.2	0.27
F26	23 Feb 2021	78	10.05	88.26	3.5	34.03	7.8	26.2	0.27
F26	23 Feb 2021	79	10.04	88.20	3.5	34.03	7.8	26.2	0.27
F26	23 Feb 2021	80	10.03	88.16	3.4	34.04	7.8	26.2	0.27
F26	23 Feb 2021	81	10.01	88.18	3.4	34.05	7.8	26.2	0.27
F26	23 Feb 2021	82	10.00	88.22	3.4	34.05	7.8	26.2	0.27
F26	23 Feb 2021	83	10.00	88.27	3.4	34.05	7.7	26.2	0.27
F26	23 Feb 2021	84	9.99	88.28	3.3	34.05	7.7	26.2	0.27
F26	23 Feb 2021	85	9.98	88.23	3.3	34.06	7.7	26.2	0.27
F26	23 Feb 2021	86	9.94	88.29	3.2	34.07	7.7	26.2	0.28
F26	23 Feb 2021	87	9.92	87.84	3.1	34.08	7.7	26.2	0.28
F26	23 Feb 2021	88	9.92	87.55	3.1	34.08	7.7	26.3	0.28
F26	23 Feb 2021	89	9.91	87.37	3.0	34.09	7.7	26.3	0.28
F26	23 Feb 2021	90	9.91	87.29	3.0	34.09	7.7	26.3	0.28
F26	23 Feb 2021	91	9.89	87.25	3.0	34.09	7.7	26.3	0.28
F26	23 Feb 2021	92	9.85	87.34	3.0	34.10	7.7	26.3	0.28
F26	23 Feb 2021	93	9.81	87.36	2.9	34.11	7.7	26.3	0.29
F26	23 Feb 2021	94	9.78	87.12	2.9	34.11	7.7	26.3	0.28
F26	23 Feb 2021	95	9.77	86.85	2.8	34.12	7.7	26.3	0.27
F26	23 Feb 2021	96	9.76	86.75	2.8	34.12	7.7	26.3	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	23 Feb 2021	97	9.77	86.76	2.8	34.12	7.7	26.3	0.27
F26	23 Feb 2021	98	9.76	86.74	2.8	34.12	7.7	26.3	0.27
F27	23 Feb 2021	1	14.62	74.61	9.1	33.52	8.2	24.9	1.24
F27	23 Feb 2021	2	14.45	74.89	9.2	33.53	8.2	25.0	1.25
F27	23 Feb 2021	3	14.28	75.18	9.2	33.52	8.2	25.0	1.31
F27	23 Feb 2021	4	14.24	75.58	9.2	33.52	8.2	25.0	1.43
F27	23 Feb 2021	5	14.19	75.97	9.1	33.52	8.2	25.0	1.66
F27	23 Feb 2021	6	14.09	76.20	8.8	33.52	8.2	25.0	2.38
F27	23 Feb 2021	7	14.06	75.78	8.7	33.52	8.2	25.0	3.07
F27	23 Feb 2021	8	14.04	75.20	8.6	33.53	8.2	25.0	3.70
F27	23 Feb 2021	9	14.02	75.18	8.6	33.54	8.2	25.1	4.05
F27	23 Feb 2021	10	14.01	75.25	8.6	33.54	8.2	25.1	4.14
F27	23 Feb 2021	11	14.01	75.45	8.5	33.54	8.2	25.1	4.22
F27	23 Feb 2021	12	13.98	75.70	8.4	33.54	8.2	25.1	4.26
F27	23 Feb 2021	13	13.94	76.12	8.2	33.54	8.2	25.1	3.98
F27	23 Feb 2021	14	13.83	76.91	7.8	33.55	8.2	25.1	4.02
F27	23 Feb 2021	15	13.56	78.17	7.3	33.55	8.1	25.2	4.11
F27	23 Feb 2021	16	13.04	81.56	6.5	33.59	8.1	25.3	3.36
F27	23 Feb 2021	17	12.76	83.35	6.1	33.57	8.0	25.3	2.55
F27	23 Feb 2021	18	12.61	84.57	5.8	33.58	8.0	25.4	2.02
F27	23 Feb 2021	19	12.08	85.58	5.4	33.63	8.0	25.5	1.51
F27	23 Feb 2021	20	11.86	86.28	5.2	33.63	7.9	25.6	1.20
F27	23 Feb 2021	21	11.73	86.62	5.0	33.65	7.9	25.6	0.99
F27	23 Feb 2021	22	11.67	86.77	5.0	33.66	7.9	25.6	1.04
F27	23 Feb 2021	23	11.63	86.84	4.9	33.67	7.9	25.6	0.95
F27	23 Feb 2021	24	11.59	86.83	4.8	33.68	7.9	25.6	0.85
F27	23 Feb 2021	25	11.52	86.72	4.8	33.70	7.9	25.7	0.75
F27	23 Feb 2021	26	11.40	86.99	4.8	33.70	7.9	25.7	0.66
F27	23 Feb 2021	27	11.40	87.42	4.8	33.70	7.9	25.7	0.61
F27	23 Feb 2021	28	11.41	87.42	4.7	33.71	7.9	25.7	0.61
F27	23 Feb 2021	29	11.39	87.43	4.6	33.73	7.9	25.7	0.58
F27	23 Feb 2021	30	11.29	87.47	4.6	33.74	7.9	25.7	0.55
F27	23 Feb 2021	31	11.27	87.54	4.4	33.76	7.9	25.8	0.53
F27	23 Feb 2021	32	11.23	87.17	4.2	33.79	7.8	25.8	0.48
F27	23 Feb 2021	33	11.21	86.93	4.1	33.80	7.8	25.8	0.46
F27	23 Feb 2021	34	11.15	86.49	4.0	33.81	7.8	25.8	0.41
F27	23 Feb 2021	35	11.13	86.44	4.0	33.82	7.8	25.8	0.40
F27	23 Feb 2021	36	11.07	86.64	4.0	33.83	7.8	25.8	0.39
F27	23 Feb 2021	37	11.03	86.86	4.0	33.83	7.8	25.9	0.37
F27	23 Feb 2021	38	11.00	87.24	4.0	33.83	7.8	25.9	0.37
F27	23 Feb 2021	39	10.96	87.42	4.0	33.84	7.8	25.9	0.36
F27	23 Feb 2021	40	10.93	87.42	4.0	33.85	7.8	25.9	0.35
F27	23 Feb 2021	41	10.89	87.43	4.0	33.86	7.8	25.9	0.35
F27	23 Feb 2021	42	10.87	87.59	4.0	33.86	7.8	25.9	0.33
F27	23 Feb 2021	43	10.84	87.66	4.0	33.87	7.8	25.9	0.33
F27	23 Feb 2021	44	10.73	87.59	4.0	33.89	7.8	26.0	0.32
F27	23 Feb 2021	45	10.66	87.69	3.9	33.90	7.8	26.0	0.32
F27	23 Feb 2021	46	10.59	87.68	3.8	33.92	7.8	26.0	0.31
F27	23 Feb 2021	47	10.53	87.76	3.8	33.94	7.8	26.0	0.29
F27	23 Feb 2021	48	10.52	87.69	3.8	33.94	7.8	26.0	0.30
F27	23 Feb 2021	49	10.50	87.53	3.7	33.94	7.8	26.0	0.30
F27	23 Feb 2021	50	10.49	87.54	3.7	33.94	7.8	26.0	0.30
F27	23 Feb 2021	51	10.49	87.57	3.7	33.94	7.8	26.0	0.30
F27	23 Feb 2021	52	10.45	87.55	3.8	33.95	7.8	26.1	0.29
F27	23 Feb 2021	53	10.35	87.74	3.8	33.96	7.8	26.1	0.29
F27	23 Feb 2021	54	10.28	88.18	3.8	33.96	7.8	26.1	0.29
F27	23 Feb 2021	55	10.26	88.29	3.8	33.96	7.8	26.1	0.29
F27	23 Feb 2021	56	10.20	88.45	3.8	33.97	7.8	26.1	0.28
F27	23 Feb 2021	57	10.17	88.60	3.9	33.97	7.8	26.1	0.28
F27	23 Feb 2021	58	10.13	88.68	3.9	33.97	7.8	26.1	0.27



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F27	23 Feb 2021	59	10.08	88.71	3.9	33.98	7.8	26.1	0.28
F27	23 Feb 2021	60	10.04	88.72	3.8	33.98	7.8	26.1	0.28
F27	23 Feb 2021	61	10.03	88.72	3.8	33.98	7.8	26.2	0.28
F27	23 Feb 2021	62	10.04	88.72	3.8	33.98	7.8	26.2	0.28
F27	23 Feb 2021	63	10.05	88.51	3.8	33.99	7.8	26.2	0.27
F27	23 Feb 2021	64	10.05	88.72	3.8	33.99	7.8	26.2	0.27
F27	23 Feb 2021	65	10.05	88.70	3.8	33.99	7.8	26.2	0.27
F27	23 Feb 2021	66	10.06	88.68	3.7	33.99	7.8	26.2	0.27
F27	23 Feb 2021	67	10.07	88.64	3.7	34.00	7.8	26.2	0.27
F27	23 Feb 2021	68	10.06	88.63	3.7	34.01	7.8	26.2	0.28
F27	23 Feb 2021	69	10.05	88.51	3.6	34.02	7.8	26.2	0.28
F27	23 Feb 2021	70	10.02	88.39	3.5	34.03	7.8	26.2	0.27
F27	23 Feb 2021	71	10.01	88.38	3.5	34.03	7.8	26.2	0.27
F27	23 Feb 2021	72	10.01	88.34	3.4	34.03	7.8	26.2	0.27
F27	23 Feb 2021	73	10.00	88.35	3.4	34.04	7.8	26.2	0.27
F27	23 Feb 2021	74	10.00	88.34	3.4	34.04	7.7	26.2	0.28
F27	23 Feb 2021	75	10.00	88.33	3.4	34.04	7.7	26.2	0.28
F27	23 Feb 2021	76	9.99	88.30	3.4	34.04	7.7	26.2	0.27
F27	23 Feb 2021	77	9.98	88.30	3.4	34.04	7.7	26.2	0.28
F27	23 Feb 2021	78	9.98	88.24	3.4	34.05	7.7	26.2	0.27
F27	23 Feb 2021	79	9.98	88.18	3.3	34.05	7.7	26.2	0.27
F27	23 Feb 2021	80	9.97	88.10	3.3	34.05	7.7	26.2	0.27
F27	23 Feb 2021	81	9.97	88.01	3.3	34.05	7.7	26.2	0.28
F27	23 Feb 2021	82	9.96	87.98	3.3	34.06	7.7	26.2	0.27
F27	23 Feb 2021	83	9.96	87.92	3.3	34.06	7.7	26.2	0.27
F27	23 Feb 2021	84	9.96	87.95	3.3	34.06	7.7	26.2	0.27
F27	23 Feb 2021	85	9.96	87.91	3.2	34.06	7.7	26.2	0.27
F27	23 Feb 2021	86	9.96	87.92	3.2	34.06	7.7	26.2	0.27
F27	23 Feb 2021	87	9.96	87.92	3.2	34.06	7.7	26.2	0.27
F27	23 Feb 2021	88	9.96	87.90	3.2	34.06	7.7	26.2	0.27
F27	23 Feb 2021	89	9.96	87.94	3.2	34.06	7.7	26.2	0.26
F27	23 Feb 2021	90	9.96	87.96	3.2	34.06	7.7	26.2	0.27
F27	23 Feb 2021	91	9.96	87.95	3.2	34.06	7.7	26.2	0.28
F27	23 Feb 2021	92	9.95	87.93	3.1	34.07	7.7	26.2	0.28
F27	23 Feb 2021	93	9.90	87.91	3.1	34.09	7.7	26.3	0.27
F27	23 Feb 2021	94	9.86	87.43	3.0	34.09	7.7	26.3	0.27
F27	23 Feb 2021	95	9.86	87.20	2.9	34.09	7.7	26.3	0.27
F27	23 Feb 2021	96	9.86	87.16	2.9	34.10	7.7	26.3	0.28
F27	23 Feb 2021	97	9.85	87.16	2.9	34.10	7.7	26.3	0.28
F27	23 Feb 2021	98	9.84	87.11	2.9	34.10	7.7	26.3	0.28
F27	23 Feb 2021	99	9.81	86.67	2.9	34.11	7.7	26.3	0.27
F28	23 Feb 2021	1	14.64	73.67	9.0	33.52	8.2	24.9	1.53
F28	23 Feb 2021	2	14.53	73.92	8.9	33.53	8.2	24.9	1.59
F28	23 Feb 2021	3	14.05	74.20	8.9	33.54	8.2	25.0	2.07
F28	23 Feb 2021	4	13.97	75.06	8.8	33.52	8.2	25.0	2.64
F28	23 Feb 2021	5	13.95	75.43	8.7	33.52	8.2	25.1	3.00
F28	23 Feb 2021	6	13.93	75.67	8.6	33.52	8.2	25.1	3.39
F28	23 Feb 2021	7	13.89	75.63	8.5	33.52	8.2	25.1	3.57
F28	23 Feb 2021	8	13.86	75.90	8.4	33.52	8.2	25.1	3.73
F28	23 Feb 2021	9	13.83	76.59	8.3	33.52	8.2	25.1	3.73
F28	23 Feb 2021	10	13.69	77.17	8.0	33.53	8.2	25.1	3.93
F28	23 Feb 2021	11	13.53	78.25	7.7	33.53	8.1	25.1	3.76
F28	23 Feb 2021	12	13.48	79.57	7.5	33.52	8.1	25.2	3.49
F28	23 Feb 2021	13	13.44	80.15	7.3	33.53	8.1	25.2	3.15
F28	23 Feb 2021	14	13.35	80.30	7.2	33.53	8.1	25.2	2.99
F28	23 Feb 2021	15	13.27	80.79	6.8	33.54	8.1	25.2	2.87
F28	23 Feb 2021	16	13.01	81.92	6.5	33.58	8.0	25.3	2.45
F28	23 Feb 2021	17	12.84	83.56	6.2	33.56	8.0	25.3	2.37
F28	23 Feb 2021	18	12.80	84.01	6.1	33.56	8.0	25.3	2.17
F28	23 Feb 2021	19	12.54	84.45	5.8	33.60	8.0	25.4	1.83

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F28	23 Feb 2021	20	11.96	86.00	5.4	33.62	7.9	25.5	1.45
F28	23 Feb 2021	21	11.83	86.54	5.2	33.62	7.9	25.6	1.27
F28	23 Feb 2021	22	11.68	86.62	5.2	33.63	7.9	25.6	1.06
F28	23 Feb 2021	23	11.62	86.91	5.1	33.65	7.9	25.6	0.94
F28	23 Feb 2021	24	11.58	87.03	5.0	33.65	7.9	25.6	0.85
F28	23 Feb 2021	25	11.51	87.10	5.0	33.66	7.9	25.6	0.75
F28	23 Feb 2021	26	11.49	87.19	4.9	33.68	7.9	25.7	0.73
F28	23 Feb 2021	27	11.43	86.93	4.8	33.71	7.9	25.7	0.65
F28	23 Feb 2021	28	11.37	87.20	4.7	33.72	7.9	25.7	0.60
F28	23 Feb 2021	29	11.35	87.39	4.7	33.72	7.9	25.7	0.57
F28	23 Feb 2021	30	11.34	87.42	4.7	33.72	7.9	25.7	0.56
F28	23 Feb 2021	31	11.31	87.42	4.7	33.74	7.9	25.7	0.56
F28	23 Feb 2021	32	11.30	87.47	4.6	33.74	7.8	25.7	0.53
F28	23 Feb 2021	33	11.28	87.57	4.5	33.77	7.8	25.8	0.49
F28	23 Feb 2021	34	11.26	87.50	4.4	33.79	7.8	25.8	0.46
F28	23 Feb 2021	35	11.23	87.58	4.3	33.80	7.8	25.8	0.45
F28	23 Feb 2021	36	11.16	87.64	4.3	33.82	7.8	25.8	0.43
F28	23 Feb 2021	37	11.11	87.65	4.2	33.83	7.8	25.8	0.39
F28	23 Feb 2021	38	11.07	87.82	4.2	33.84	7.8	25.9	0.38
F28	23 Feb 2021	39	11.02	87.74	4.2	33.84	7.8	25.9	0.37
F28	23 Feb 2021	40	10.96	87.73	4.1	33.85	7.8	25.9	0.35
F28	23 Feb 2021	41	10.91	87.86	4.1	33.86	7.8	25.9	0.35
F28	23 Feb 2021	42	10.86	87.88	4.1	33.86	7.8	25.9	0.34
F28	23 Feb 2021	43	10.76	87.90	4.1	33.88	7.8	25.9	0.32
F28	23 Feb 2021	44	10.72	88.00	4.1	33.88	7.8	26.0	0.32
F28	23 Feb 2021	45	10.71	88.05	4.1	33.88	7.8	26.0	0.32
F28	23 Feb 2021	46	10.71	87.90	4.1	33.88	7.8	26.0	0.32
F28	23 Feb 2021	47	10.71	88.04	4.1	33.88	7.8	26.0	0.32
F28	23 Feb 2021	48	10.70	88.05	4.1	33.89	7.8	26.0	0.31
F28	23 Feb 2021	49	10.63	87.93	4.0	33.91	7.8	26.0	0.30
F28	23 Feb 2021	50	10.54	87.70	3.8	33.93	7.8	26.0	0.30
F28	23 Feb 2021	51	10.44	87.74	3.8	33.96	7.8	26.1	0.30
F28	23 Feb 2021	52	10.29	87.85	3.8	33.97	7.8	26.1	0.30
F28	23 Feb 2021	53	10.28	88.02	3.8	33.97	7.8	26.1	0.29
F28	23 Feb 2021	54	10.26	88.08	3.8	33.97	7.8	26.1	0.28
F28	23 Feb 2021	55	10.23	88.17	3.8	33.97	7.8	26.1	0.29
F28	23 Feb 2021	56	10.18	88.33	3.8	33.97	7.8	26.1	0.28
F28	23 Feb 2021	57	10.12	88.58	3.9	33.97	7.8	26.1	0.28
F28	23 Feb 2021	58	10.09	88.62	3.9	33.98	7.8	26.1	0.27
F28	23 Feb 2021	59	10.06	88.69	3.9	33.98	7.8	26.1	0.27
F28	23 Feb 2021	60	10.05	88.68	3.9	33.98	7.8	26.1	0.27
F28	23 Feb 2021	61	10.02	88.70	3.8	33.99	7.8	26.2	0.27
F28	23 Feb 2021	62	10.01	88.72	3.8	33.99	7.8	26.2	0.29
F28	23 Feb 2021	63	10.01	88.73	3.9	33.99	7.8	26.2	0.28
F28	23 Feb 2021	64	10.01	88.74	3.9	33.99	7.8	26.2	0.27
F28	23 Feb 2021	65	10.01	88.75	3.8	33.99	7.8	26.2	0.27
F28	23 Feb 2021	66	10.01	88.75	3.8	34.00	7.8	26.2	0.26
F28	23 Feb 2021	67	9.97	88.51	3.6	34.03	7.8	26.2	0.28
F28	23 Feb 2021	68	9.95	88.39	3.5	34.05	7.7	26.2	0.27
F28	23 Feb 2021	69	9.95	88.40	3.4	34.05	7.7	26.2	0.27
F28	23 Feb 2021	70	9.94	88.39	3.4	34.05	7.7	26.2	0.28
F28	23 Feb 2021	71	9.93	88.30	3.4	34.06	7.7	26.2	0.27
F28	23 Feb 2021	72	9.93	88.23	3.3	34.06	7.7	26.2	0.27
F28	23 Feb 2021	73	9.92	88.29	3.3	34.06	7.7	26.2	0.28
F28	23 Feb 2021	74	9.92	87.81	3.3	34.07	7.7	26.2	0.26
F28	23 Feb 2021	75	9.92	87.16	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	76	9.92	87.13	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	77	9.91	87.19	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	78	9.91	87.21	3.2	34.07	7.7	26.2	0.26
F28	23 Feb 2021	79	9.91	86.96	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	80	9.91	87.00	3.2	34.07	7.7	26.2	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F28	23 Feb 2021	81	9.91	87.02	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	82	9.90	87.20	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	83	9.90	87.19	3.2	34.07	7.7	26.2	0.26
F28	23 Feb 2021	84	9.90	87.11	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	85	9.90	87.05	3.2	34.07	7.7	26.2	0.27
F28	23 Feb 2021	86	9.89	86.97	3.1	34.08	7.7	26.2	0.27
F28	23 Feb 2021	87	9.89	87.11	3.1	34.08	7.7	26.3	0.26
F28	23 Feb 2021	88	9.89	87.17	3.1	34.08	7.7	26.3	0.27
F28	23 Feb 2021	89	9.89	87.33	3.1	34.08	7.7	26.3	0.29
F28	23 Feb 2021	90	9.89	87.50	3.1	34.09	7.7	26.3	0.28
F28	23 Feb 2021	91	9.88	87.51	3.1	34.09	7.7	26.3	0.27
F28	23 Feb 2021	92	9.88	87.52	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	93	9.88	87.54	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	94	9.88	87.49	3.0	34.09	7.7	26.3	0.28
F28	23 Feb 2021	95	9.87	87.44	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	96	9.87	87.43	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	97	9.86	87.41	3.0	34.09	7.7	26.3	0.28
F28	23 Feb 2021	98	9.86	87.12	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	99	9.86	86.86	3.0	34.09	7.7	26.3	0.27
F28	23 Feb 2021	100	9.86	86.72	3.0	34.09	7.7	26.3	0.27
F29	23 Feb 2021	1	14.70	75.79	8.8	33.53	8.2	24.9	1.08
F29	23 Feb 2021	2	14.57	75.27	8.8	33.55	8.2	24.9	1.09
F29	23 Feb 2021	3	14.27	75.83	8.8	33.54	8.2	25.0	1.09
F29	23 Feb 2021	4	14.15	76.38	8.8	33.53	8.2	25.0	1.19
F29	23 Feb 2021	5	14.06	76.41	8.7	33.53	8.2	25.0	1.59
F29	23 Feb 2021	6	14.03	75.39	8.7	33.53	8.2	25.0	2.20
F29	23 Feb 2021	7	13.99	74.52	8.7	33.53	8.2	25.1	2.67
F29	23 Feb 2021	8	13.91	74.65	8.4	33.54	8.2	25.1	3.19
F29	23 Feb 2021	9	13.75	75.74	8.2	33.53	8.2	25.1	3.54
F29	23 Feb 2021	10	13.76	77.06	8.0	33.53	8.1	25.1	3.80
F29	23 Feb 2021	11	13.54	78.02	7.6	33.54	8.1	25.2	3.81
F29	23 Feb 2021	12	13.43	78.95	7.4	33.54	8.1	25.2	3.52
F29	23 Feb 2021	13	13.35	80.28	7.2	33.54	8.1	25.2	3.47
F29	23 Feb 2021	14	13.21	81.26	7.0	33.54	8.1	25.2	3.10
F29	23 Feb 2021	15	13.09	82.05	6.8	33.54	8.1	25.2	2.84
F29	23 Feb 2021	16	13.00	82.93	6.7	33.54	8.0	25.3	2.61
F29	23 Feb 2021	17	12.87	83.66	6.5	33.53	8.0	25.3	2.29
F29	23 Feb 2021	18	12.81	84.18	6.4	33.53	8.0	25.3	2.07
F29	23 Feb 2021	19	12.78	84.53	6.3	33.53	8.0	25.3	1.98
F29	23 Feb 2021	20	12.71	84.41	6.1	33.57	8.0	25.3	1.88
F29	23 Feb 2021	21	12.56	85.00	5.8	33.59	8.0	25.4	1.73
F29	23 Feb 2021	22	12.30	85.53	5.6	33.62	8.0	25.5	1.64
F29	23 Feb 2021	23	11.96	86.09	5.4	33.63	7.9	25.5	1.37
F29	23 Feb 2021	24	11.91	86.48	5.3	33.62	7.9	25.5	1.19
F29	23 Feb 2021	25	11.67	86.80	5.2	33.63	7.9	25.6	1.05
F29	23 Feb 2021	26	11.57	87.01	5.2	33.63	7.9	25.6	1.02
F29	23 Feb 2021	27	11.53	87.14	5.1	33.64	7.9	25.6	0.89
F29	23 Feb 2021	28	11.47	87.19	5.1	33.65	7.9	25.6	0.83
F29	23 Feb 2021	29	11.46	87.36	5.1	33.65	7.9	25.6	0.77
F29	23 Feb 2021	30	11.43	87.34	5.0	33.66	7.9	25.7	0.71
F29	23 Feb 2021	31	11.42	87.48	5.0	33.67	7.9	25.7	0.68
F29	23 Feb 2021	32	11.39	87.40	4.8	33.71	7.9	25.7	0.65
F29	23 Feb 2021	33	11.34	87.17	4.7	33.75	7.8	25.7	0.59
F29	23 Feb 2021	34	11.32	87.26	4.6	33.75	7.8	25.7	0.55
F29	23 Feb 2021	35	11.27	87.34	4.6	33.77	7.8	25.8	0.53
F29	23 Feb 2021	36	11.26	87.38	4.5	33.77	7.8	25.8	0.51
F29	23 Feb 2021	37	11.20	87.44	4.5	33.79	7.8	25.8	0.47
F29	23 Feb 2021	38	11.14	87.60	4.4	33.80	7.8	25.8	0.46
F29	23 Feb 2021	39	11.13	87.65	4.4	33.80	7.8	25.8	0.44
F29	23 Feb 2021	40	11.07	87.64	4.3	33.83	7.8	25.9	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F29	23 Feb 2021	41	11.00	87.60	4.2	33.85	7.8	25.9	0.40
F29	23 Feb 2021	42	10.90	87.66	4.2	33.86	7.8	25.9	0.37
F29	23 Feb 2021	43	10.86	87.74	4.1	33.87	7.8	25.9	0.36
F29	23 Feb 2021	44	10.77	87.87	4.1	33.89	7.8	25.9	0.34
F29	23 Feb 2021	45	10.69	87.83	4.0	33.90	7.8	26.0	0.33
F29	23 Feb 2021	46	10.68	87.89	4.0	33.91	7.8	26.0	0.33
F29	23 Feb 2021	47	10.62	87.92	4.0	33.91	7.8	26.0	0.31
F29	23 Feb 2021	48	10.55	87.82	3.9	33.94	7.8	26.0	0.31
F29	23 Feb 2021	49	10.36	87.74	3.8	33.97	7.8	26.1	0.30
F29	23 Feb 2021	50	10.29	87.93	3.8	33.97	7.8	26.1	0.30
F29	23 Feb 2021	51	10.27	87.99	3.8	33.97	7.8	26.1	0.29
F29	23 Feb 2021	52	10.26	88.13	3.8	33.97	7.8	26.1	0.30
F29	23 Feb 2021	53	10.25	88.16	3.8	33.97	7.8	26.1	0.29
F29	23 Feb 2021	54	10.24	88.20	3.8	33.97	7.8	26.1	0.29
F29	23 Feb 2021	55	10.19	88.30	3.8	33.98	7.8	26.1	0.29
F29	23 Feb 2021	56	10.11	88.47	3.9	33.98	7.8	26.1	0.29
F29	23 Feb 2021	57	10.07	88.61	3.9	33.98	7.8	26.1	0.29
F29	23 Feb 2021	58	10.02	88.67	3.8	33.98	7.8	26.2	0.29
F29	23 Feb 2021	59	10.02	88.63	3.8	33.99	7.8	26.2	0.28
F29	23 Feb 2021	60	10.01	88.62	3.8	33.99	7.8	26.2	0.28
F29	23 Feb 2021	61	10.01	88.63	3.8	33.99	7.8	26.2	0.28
F29	23 Feb 2021	62	10.01	88.52	3.8	33.99	7.8	26.2	0.28
F29	23 Feb 2021	63	10.00	88.65	3.8	33.99	7.8	26.2	0.28
F29	23 Feb 2021	64	10.00	88.71	3.8	34.00	7.8	26.2	0.28
F29	23 Feb 2021	65	9.98	88.65	3.8	34.00	7.8	26.2	0.28
F29	23 Feb 2021	66	9.99	88.69	3.8	34.00	7.8	26.2	0.28
F29	23 Feb 2021	67	10.00	88.65	3.8	34.00	7.8	26.2	0.28
F29	23 Feb 2021	68	10.00	88.65	3.7	34.01	7.8	26.2	0.28
F29	23 Feb 2021	69	10.00	88.60	3.7	34.01	7.8	26.2	0.28
F29	23 Feb 2021	70	9.98	88.52	3.6	34.02	7.7	26.2	0.28
F29	23 Feb 2021	71	9.98	88.48	3.6	34.02	7.7	26.2	0.28
F29	23 Feb 2021	72	9.98	88.48	3.5	34.03	7.7	26.2	0.28
F29	23 Feb 2021	73	9.96	88.45	3.5	34.04	7.7	26.2	0.27
F29	23 Feb 2021	74	9.96	88.40	3.5	34.04	7.7	26.2	0.27
F29	23 Feb 2021	75	9.96	88.41	3.4	34.04	7.7	26.2	0.28
F29	23 Feb 2021	76	9.96	88.35	3.4	34.04	7.7	26.2	0.27
F29	23 Feb 2021	77	9.97	88.33	3.4	34.04	7.7	26.2	0.28
F29	23 Feb 2021	78	9.97	88.24	3.4	34.04	7.7	26.2	0.28
F29	23 Feb 2021	79	9.96	88.17	3.4	34.05	7.7	26.2	0.27
F29	23 Feb 2021	80	9.96	87.52	3.3	34.05	7.7	26.2	0.28
F29	23 Feb 2021	81	9.96	87.33	3.3	34.05	7.7	26.2	0.28
F29	23 Feb 2021	82	9.96	87.30	3.3	34.05	7.7	26.2	0.28
F29	23 Feb 2021	83	9.94	87.31	3.3	34.06	7.7	26.2	0.28
F29	23 Feb 2021	84	9.93	87.37	3.3	34.06	7.7	26.2	0.28
F29	23 Feb 2021	85	9.90	87.27	3.2	34.07	7.7	26.2	0.27
F29	23 Feb 2021	86	9.89	87.27	3.2	34.07	7.7	26.2	0.27
F29	23 Feb 2021	87	9.89	87.22	3.2	34.07	7.7	26.2	0.29
F29	23 Feb 2021	88	9.88	87.29	3.2	34.07	7.7	26.2	0.28
F29	23 Feb 2021	89	9.88	87.32	3.1	34.08	7.7	26.3	0.27
F29	23 Feb 2021	90	9.87	87.29	3.1	34.08	7.7	26.3	0.27
F29	23 Feb 2021	91	9.87	87.38	3.1	34.08	7.7	26.3	0.28
F29	23 Feb 2021	92	9.86	87.33	3.1	34.08	7.7	26.3	0.28
F29	23 Feb 2021	93	9.85	87.17	3.1	34.09	7.7	26.3	0.28
F29	23 Feb 2021	94	9.85	86.96	3.1	34.09	7.7	26.3	0.28
F29	23 Feb 2021	95	9.85	86.83	3.1	34.09	7.7	26.3	0.28
F29	23 Feb 2021	96	9.85	86.85	3.1	34.09	7.7	26.3	0.27
F29	23 Feb 2021	97	9.86	86.78	3.1	34.08	7.7	26.3	0.28
F29	23 Feb 2021	98	9.86	86.81	3.1	34.08	7.7	26.3	0.28
F29	23 Feb 2021	99	9.86	86.80	3.1	34.08	7.7	26.3	0.27
F30	23 Feb 2021	1	14.78	74.73	8.8	33.53	8.2	24.9	1.42

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F30	23 Feb 2021	2	14.76	73.72	8.8	33.54	8.2	24.9	1.38
F30	23 Feb 2021	3	14.44	74.09	8.8	33.57	8.2	25.0	1.54
F30	23 Feb 2021	4	14.19	73.95	8.8	33.54	8.2	25.0	1.84
F30	23 Feb 2021	5	14.08	74.49	8.6	33.54	8.2	25.0	2.16
F30	23 Feb 2021	6	13.94	75.21	8.4	33.54	8.2	25.1	2.59
F30	23 Feb 2021	7	13.85	75.51	8.2	33.53	8.1	25.1	3.19
F30	23 Feb 2021	8	13.72	75.72	7.9	33.54	8.1	25.1	3.51
F30	23 Feb 2021	9	13.61	77.30	7.8	33.53	8.1	25.1	3.65
F30	23 Feb 2021	10	13.59	78.05	7.6	33.53	8.1	25.1	3.69
F30	23 Feb 2021	11	13.46	78.71	7.4	33.54	8.1	25.2	3.59
F30	23 Feb 2021	12	13.39	79.68	7.3	33.53	8.1	25.2	3.39
F30	23 Feb 2021	13	13.31	80.34	7.2	33.53	8.1	25.2	3.20
F30	23 Feb 2021	14	13.23	81.13	7.0	33.54	8.1	25.2	3.01
F30	23 Feb 2021	15	13.10	82.09	6.8	33.54	8.0	25.2	2.82
F30	23 Feb 2021	16	13.03	82.60	6.7	33.53	8.0	25.2	2.50
F30	23 Feb 2021	17	12.95	83.04	6.6	33.53	8.0	25.3	2.35
F30	23 Feb 2021	18	12.82	83.58	6.4	33.55	8.0	25.3	2.10
F30	23 Feb 2021	19	12.54	84.70	6.1	33.54	8.0	25.4	1.86
F30	23 Feb 2021	20	12.35	85.21	5.7	33.58	8.0	25.4	1.56
F30	23 Feb 2021	21	12.21	85.59	5.4	33.62	7.9	25.5	1.40
F30	23 Feb 2021	22	12.16	85.82	5.4	33.62	7.9	25.5	1.28
F30	23 Feb 2021	23	12.03	85.99	5.3	33.64	7.9	25.5	1.19
F30	23 Feb 2021	24	11.88	86.17	5.2	33.65	7.9	25.6	1.10
F30	23 Feb 2021	25	11.69	86.42	5.1	33.66	7.9	25.6	0.95
F30	23 Feb 2021	26	11.49	87.07	4.9	33.69	7.9	25.7	0.78
F30	23 Feb 2021	27	11.43	87.29	4.7	33.71	7.8	25.7	0.68
F30	23 Feb 2021	28	11.42	87.26	4.6	33.72	7.8	25.7	0.61
F30	23 Feb 2021	29	11.36	87.18	4.5	33.75	7.8	25.7	0.57
F30	23 Feb 2021	30	11.31	87.19	4.4	33.76	7.8	25.8	0.53
F30	23 Feb 2021	31	11.19	87.23	4.4	33.80	7.8	25.8	0.49
F30	23 Feb 2021	32	11.09	87.54	4.3	33.81	7.8	25.8	0.46
F30	23 Feb 2021	33	11.07	87.71	4.3	33.81	7.8	25.8	0.42
F30	23 Feb 2021	34	11.02	87.64	4.2	33.84	7.8	25.9	0.40
F30	23 Feb 2021	35	10.98	87.59	4.2	33.85	7.8	25.9	0.38
F30	23 Feb 2021	36	10.92	87.61	4.1	33.87	7.8	25.9	0.36
F30	23 Feb 2021	37	10.68	87.47	3.9	33.92	7.8	26.0	0.33
F30	23 Feb 2021	38	10.54	87.65	3.9	33.94	7.8	26.0	0.32
F30	23 Feb 2021	39	10.43	87.80	3.8	33.95	7.8	26.1	0.30
F30	23 Feb 2021	40	10.41	87.93	3.8	33.94	7.8	26.1	0.30
F30	23 Feb 2021	41	10.39	88.02	3.8	33.95	7.8	26.1	0.29
F30	23 Feb 2021	42	10.39	88.06	3.8	33.95	7.8	26.1	0.29
F30	23 Feb 2021	43	10.38	87.99	3.8	33.95	7.8	26.1	0.28
F30	23 Feb 2021	44	10.37	88.01	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	45	10.36	88.07	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	46	10.36	88.07	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	47	10.35	88.03	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	48	10.36	88.07	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	49	10.33	88.09	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	50	10.30	88.20	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	51	10.29	88.20	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	52	10.28	88.28	3.9	33.95	7.8	26.1	0.27
F30	23 Feb 2021	53	10.27	88.22	3.9	33.95	7.8	26.1	0.27
F30	23 Feb 2021	54	10.26	88.25	3.9	33.95	7.8	26.1	0.29
F30	23 Feb 2021	55	10.26	88.27	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	56	10.24	88.22	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	57	10.23	87.99	3.9	33.95	7.8	26.1	0.29
F30	23 Feb 2021	58	10.23	87.96	3.9	33.95	7.8	26.1	0.28
F30	23 Feb 2021	59	10.23	87.84	3.8	33.95	7.8	26.1	0.28
F30	23 Feb 2021	60	10.20	87.80	3.8	33.95	7.8	26.1	0.28
F30	23 Feb 2021	61	10.16	87.32	3.8	33.94	7.8	26.1	0.28
F30	23 Feb 2021	62	10.12	86.50	3.7	33.94	7.7	26.1	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	23 Feb 2021	63	10.06	86.42	3.6	33.93	7.7	26.1	0.26
F30	23 Feb 2021	64	10.07	86.43	3.6	33.93	7.7	26.1	0.27
F30	23 Feb 2021	65	10.07	86.46	3.6	33.93	7.7	26.1	0.27
F30	23 Feb 2021	66	10.06	86.51	3.6	33.93	7.7	26.1	0.28
F30	23 Feb 2021	67	10.06	86.47	3.6	33.93	7.7	26.1	0.28
F30	23 Feb 2021	68	10.06	86.46	3.6	33.93	7.7	26.1	0.28
F30	23 Feb 2021	69	10.06	86.41	3.6	33.94	7.7	26.1	0.28
F30	23 Feb 2021	70	10.05	86.19	3.6	33.94	7.7	26.1	0.28
F30	23 Feb 2021	71	10.05	86.23	3.6	33.94	7.7	26.1	0.28
F30	23 Feb 2021	72	10.05	86.24	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	73	10.05	86.17	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	74	10.05	86.16	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	75	10.04	85.99	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	76	10.04	86.01	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	77	10.04	86.10	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	78	10.04	86.13	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	79	10.05	86.26	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	80	10.05	86.19	3.5	33.95	7.7	26.1	0.26
F30	23 Feb 2021	81	10.04	86.27	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	82	10.05	86.25	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	83	10.05	86.18	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	84	10.04	85.66	3.5	33.95	7.7	26.1	0.26
F30	23 Feb 2021	85	10.04	86.08	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	86	10.04	86.17	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	87	10.04	86.20	3.5	33.95	7.7	26.1	0.28
F30	23 Feb 2021	88	10.04	86.19	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	89	10.04	86.18	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	90	10.04	86.23	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	91	10.04	86.17	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	92	10.03	86.07	3.5	33.95	7.7	26.1	0.27
F30	23 Feb 2021	93	10.03	86.19	3.5	33.96	7.7	26.1	0.27
F30	23 Feb 2021	94	10.02	86.27	3.5	33.96	7.7	26.1	0.27
F30	23 Feb 2021	95	10.02	86.25	3.5	33.96	7.7	26.1	0.27
F30	23 Feb 2021	96	10.03	86.74	3.5	33.97	7.7	26.1	0.27
F30	23 Feb 2021	97	10.02	86.96	3.5	33.99	7.7	26.2	0.28
F30	23 Feb 2021	98	10.02	86.99	3.5	33.99	7.7	26.2	0.28
F31	23 Feb 2021	1	14.19	77.31	8.5	33.52	8.2	25.0	1.12
F31	23 Feb 2021	2	14.17	77.33	8.6	33.52	8.2	25.0	1.15
F31	23 Feb 2021	3	14.10	76.57	8.6	33.53	8.2	25.0	1.30
F31	23 Feb 2021	4	13.99	76.15	8.6	33.53	8.2	25.1	1.66
F31	23 Feb 2021	5	13.85	74.80	8.7	33.53	8.2	25.1	2.29
F31	23 Feb 2021	6	13.81	73.71	8.6	33.52	8.2	25.1	2.83
F31	23 Feb 2021	7	13.78	74.29	8.6	33.52	8.2	25.1	3.10
F31	23 Feb 2021	8	13.74	74.98	8.4	33.53	8.2	25.1	3.39
F31	23 Feb 2021	9	13.67	75.49	8.2	33.53	8.1	25.1	3.52
F31	23 Feb 2021	10	13.61	76.16	8.0	33.53	8.1	25.1	3.81
F31	23 Feb 2021	11	13.57	76.81	7.8	33.54	8.1	25.1	3.71
F31	23 Feb 2021	12	13.47	77.46	7.6	33.55	8.1	25.2	3.58
F31	23 Feb 2021	13	13.37	78.41	7.3	33.55	8.1	25.2	3.38
F31	23 Feb 2021	14	13.19	79.39	6.9	33.57	8.1	25.3	3.00
F31	23 Feb 2021	15	12.89	80.98	6.4	33.59	8.0	25.3	2.41
F31	23 Feb 2021	16	12.69	82.62	6.1	33.58	8.0	25.4	2.03
F31	23 Feb 2021	17	12.32	84.39	5.8	33.57	8.0	25.4	1.57
F31	23 Feb 2021	18	12.13	85.87	5.7	33.55	7.9	25.4	1.35
F31	23 Feb 2021	19	12.01	86.36	5.6	33.55	7.9	25.5	1.26
F31	23 Feb 2021	20	11.98	86.66	5.5	33.56	7.9	25.5	1.12
F31	23 Feb 2021	21	11.95	86.62	5.4	33.58	7.9	25.5	1.09
F31	23 Feb 2021	22	11.94	86.48	5.3	33.61	7.9	25.5	1.05
F31	23 Feb 2021	23	11.91	86.17	5.1	33.64	7.9	25.5	1.00
F31	23 Feb 2021	24	11.83	86.14	5.0	33.66	7.9	25.6	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F31	23 Feb 2021	25	11.75	86.35	4.9	33.67	7.9	25.6	0.89
F31	23 Feb 2021	26	11.66	86.46	4.8	33.69	7.9	25.6	0.81
F31	23 Feb 2021	27	11.55	86.68	4.7	33.71	7.8	25.7	0.72
F31	23 Feb 2021	28	11.49	86.92	4.6	33.72	7.8	25.7	0.65
F31	23 Feb 2021	29	11.43	86.91	4.5	33.74	7.8	25.7	0.60
F31	23 Feb 2021	30	11.38	87.03	4.5	33.74	7.8	25.7	0.61
F31	23 Feb 2021	31	11.38	87.09	4.5	33.74	7.8	25.7	0.55
F31	23 Feb 2021	32	11.35	87.12	4.5	33.75	7.8	25.7	0.55
F31	23 Feb 2021	33	11.32	87.17	4.4	33.76	7.8	25.8	0.53
F31	23 Feb 2021	34	11.31	87.19	4.4	33.76	7.8	25.8	0.54
F31	23 Feb 2021	35	11.30	87.18	4.4	33.77	7.8	25.8	0.51
F31	23 Feb 2021	36	11.29	87.20	4.4	33.77	7.8	25.8	0.50
F31	23 Feb 2021	37	11.28	87.23	4.4	33.77	7.8	25.8	0.50
F31	23 Feb 2021	38	11.27	87.21	4.4	33.77	7.8	25.8	0.52
F31	23 Feb 2021	39	11.26	87.25	4.4	33.78	7.8	25.8	0.50
F31	23 Feb 2021	40	11.25	87.25	4.4	33.78	7.8	25.8	0.49
F31	23 Feb 2021	41	11.22	87.20	4.3	33.79	7.8	25.8	0.50
F31	23 Feb 2021	42	11.19	87.14	4.3	33.80	7.8	25.8	0.46
F31	23 Feb 2021	43	11.17	87.20	4.2	33.80	7.8	25.8	0.44
F31	23 Feb 2021	44	11.00	87.26	4.1	33.85	7.8	25.9	0.40
F31	23 Feb 2021	45	10.88	87.45	4.0	33.87	7.8	25.9	0.37
F31	23 Feb 2021	46	10.68	87.75	4.0	33.91	7.8	26.0	0.34
F31	23 Feb 2021	47	10.62	87.86	4.0	33.91	7.8	26.0	0.32
F31	23 Feb 2021	48	10.59	87.87	4.0	33.91	7.8	26.0	0.31
F31	23 Feb 2021	49	10.49	87.96	4.0	33.92	7.8	26.0	0.30
F31	23 Feb 2021	50	10.45	88.27	4.0	33.92	7.8	26.0	0.29
F31	23 Feb 2021	51	10.44	88.36	4.0	33.92	7.8	26.0	0.28
F31	23 Feb 2021	52	10.43	88.36	4.0	33.92	7.8	26.0	0.29
F31	23 Feb 2021	53	10.44	88.39	4.0	33.92	7.8	26.0	0.28
F31	23 Feb 2021	54	10.44	88.37	4.0	33.92	7.8	26.0	0.29
F31	23 Feb 2021	55	10.43	88.38	4.0	33.92	7.8	26.0	0.29
F31	23 Feb 2021	56	10.43	88.27	4.0	33.92	7.8	26.0	0.28
F31	23 Feb 2021	57	10.43	88.39	4.0	33.92	7.8	26.0	0.29
F31	23 Feb 2021	58	10.42	88.38	4.0	33.93	7.8	26.0	0.28
F31	23 Feb 2021	59	10.40	88.40	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	60	10.38	88.39	4.0	33.93	7.8	26.1	0.27
F31	23 Feb 2021	61	10.38	88.48	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	62	10.38	88.50	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	63	10.38	88.50	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	64	10.38	88.52	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	65	10.37	88.51	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	66	10.38	88.43	4.0	33.93	7.8	26.1	0.27
F31	23 Feb 2021	67	10.39	88.43	4.0	33.93	7.8	26.1	0.27
F31	23 Feb 2021	68	10.38	88.37	4.0	33.93	7.8	26.1	0.27
F31	23 Feb 2021	69	10.38	88.41	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	70	10.38	88.45	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	71	10.38	88.42	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	72	10.38	88.41	4.0	33.93	7.8	26.1	0.27
F31	23 Feb 2021	73	10.38	88.42	4.0	33.93	7.8	26.1	0.28
F31	23 Feb 2021	74	10.37	88.39	4.0	33.94	7.8	26.1	0.28
F31	23 Feb 2021	75	10.31	88.49	4.0	33.95	7.8	26.1	0.27
F31	23 Feb 2021	76	10.27	88.57	4.0	33.95	7.8	26.1	0.27
F31	23 Feb 2021	77	10.26	88.62	3.9	33.95	7.8	26.1	0.27
F31	23 Feb 2021	78	10.24	88.64	3.9	33.96	7.8	26.1	0.26
F31	23 Feb 2021	79	10.23	88.62	3.9	33.96	7.8	26.1	0.27
F31	23 Feb 2021	80	10.21	88.66	3.8	33.97	7.7	26.1	0.27
F31	23 Feb 2021	81	10.20	88.66	3.8	33.97	7.7	26.1	0.26
F31	23 Feb 2021	82	10.19	88.65	3.8	33.98	7.7	26.1	0.27
F31	23 Feb 2021	83	10.19	88.63	3.8	33.98	7.7	26.1	0.28
F31	23 Feb 2021	84	10.18	88.64	3.7	33.98	7.7	26.1	0.27
F31	23 Feb 2021	85	10.16	88.62	3.7	33.99	7.7	26.1	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	23 Feb 2021	86	10.15	88.53	3.7	33.99	7.7	26.1	0.26
F31	23 Feb 2021	87	10.12	88.42	3.6	34.00	7.7	26.2	0.26
F31	23 Feb 2021	88	10.09	88.12	3.6	34.00	7.7	26.2	0.27
F31	23 Feb 2021	89	10.09	88.31	3.6	34.01	7.7	26.2	0.27
F31	23 Feb 2021	90	10.08	88.27	3.5	34.01	7.7	26.2	0.26
F31	23 Feb 2021	91	10.08	88.23	3.5	34.02	7.7	26.2	0.27
F31	23 Feb 2021	92	10.07	88.24	3.5	34.02	7.7	26.2	0.27
F31	23 Feb 2021	93	10.07	88.24	3.5	34.02	7.7	26.2	0.27
F31	23 Feb 2021	94	10.05	87.94	3.5	34.02	7.7	26.2	0.27
F31	23 Feb 2021	95	10.05	87.78	3.5	34.02	7.7	26.2	0.27
F31	23 Feb 2021	96	10.03	87.45	3.4	34.03	7.7	26.2	0.26
F31	23 Feb 2021	97	10.01	87.12	3.4	34.03	7.7	26.2	0.26
F31	23 Feb 2021	98	9.91	86.78	3.3	34.05	7.7	26.2	0.27
F31	23 Feb 2021	99	9.84	86.48	3.2	34.06	7.7	26.2	0.25
F32	23 Feb 2021	1	14.24	74.21	8.7	33.52	8.2	25.0	1.11
F32	23 Feb 2021	2	14.15	77.09	8.7	33.52	8.2	25.0	1.15
F32	23 Feb 2021	3	14.02	77.15	8.7	33.52	8.2	25.0	1.40
F32	23 Feb 2021	4	13.92	76.58	8.6	33.52	8.2	25.1	1.89
F32	23 Feb 2021	5	13.88	76.34	8.6	33.51	8.2	25.1	2.61
F32	23 Feb 2021	6	13.84	75.77	8.5	33.52	8.2	25.1	3.29
F32	23 Feb 2021	7	13.72	75.56	8.4	33.53	8.1	25.1	3.83
F32	23 Feb 2021	8	13.67	75.65	8.2	33.53	8.1	25.1	4.28
F32	23 Feb 2021	9	13.58	76.81	8.1	33.53	8.1	25.1	4.28
F32	23 Feb 2021	10	13.55	76.89	8.0	33.53	8.1	25.1	4.39
F32	23 Feb 2021	11	13.49	77.48	7.8	33.54	8.1	25.2	4.39
F32	23 Feb 2021	12	13.45	78.33	7.6	33.55	8.1	25.2	3.83
F32	23 Feb 2021	13	13.29	79.68	7.3	33.57	8.1	25.2	3.52
F32	23 Feb 2021	14	13.10	80.40	6.8	33.58	8.0	25.3	3.04
F32	23 Feb 2021	15	12.81	80.87	6.3	33.61	8.0	25.4	2.57
F32	23 Feb 2021	16	12.55	80.07	5.9	33.62	8.0	25.4	2.02
F32	23 Feb 2021	17	12.31	83.47	5.5	33.63	7.9	25.5	1.58
F32	23 Feb 2021	18	12.00	85.01	5.3	33.65	7.9	25.5	1.27
F32	23 Feb 2021	19	11.56	86.45	5.2	33.64	7.9	25.6	1.02
F32	23 Feb 2021	20	11.47	87.31	5.2	33.61	7.9	25.6	0.90
F32	23 Feb 2021	21	11.48	87.45	5.1	33.62	7.9	25.6	0.80
F32	23 Feb 2021	22	11.45	87.46	5.0	33.65	7.9	25.6	0.76
F32	23 Feb 2021	23	11.44	87.48	4.9	33.66	7.9	25.7	0.69
F32	23 Feb 2021	24	11.42	87.41	4.9	33.68	7.8	25.7	0.66
F32	23 Feb 2021	25	11.39	87.42	4.8	33.68	7.8	25.7	0.64
F32	23 Feb 2021	26	11.37	87.48	4.8	33.69	7.8	25.7	0.68
F32	23 Feb 2021	27	11.36	87.26	4.7	33.71	7.8	25.7	0.61
F32	23 Feb 2021	28	11.28	87.23	4.6	33.75	7.8	25.8	0.59
F32	23 Feb 2021	29	11.18	87.43	4.5	33.77	7.8	25.8	0.53
F32	23 Feb 2021	30	11.16	87.68	4.5	33.77	7.8	25.8	0.49
F32	23 Feb 2021	31	11.08	87.69	4.4	33.80	7.8	25.8	0.52
F32	23 Feb 2021	32	10.97	87.70	4.2	33.85	7.8	25.9	0.42
F32	23 Feb 2021	33	10.95	87.71	4.1	33.85	7.8	25.9	0.38
F32	23 Feb 2021	34	10.93	87.73	4.1	33.86	7.8	25.9	0.37
F32	23 Feb 2021	35	10.88	87.85	4.1	33.87	7.8	25.9	0.34
F32	23 Feb 2021	36	10.84	87.95	4.1	33.87	7.8	25.9	0.34
F32	23 Feb 2021	37	10.82	87.98	4.1	33.87	7.8	25.9	0.34
F32	23 Feb 2021	38	10.79	87.96	4.1	33.88	7.8	25.9	0.34
F32	23 Feb 2021	39	10.72	88.02	4.0	33.89	7.8	26.0	0.32
F32	23 Feb 2021	40	10.68	88.13	4.1	33.89	7.8	26.0	0.32
F32	23 Feb 2021	41	10.62	88.26	4.1	33.89	7.8	26.0	0.31
F32	23 Feb 2021	42	10.62	88.28	4.1	33.89	7.8	26.0	0.30
F32	23 Feb 2021	43	10.61	88.34	4.1	33.90	7.8	26.0	0.30
F32	23 Feb 2021	44	10.60	88.31	4.1	33.90	7.8	26.0	0.30
F32	23 Feb 2021	45	10.57	88.31	4.1	33.90	7.8	26.0	0.31
F32	23 Feb 2021	46	10.55	88.34	4.1	33.90	7.8	26.0	0.30



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	23 Feb 2021	47	10.54	88.36	4.1	33.91	7.8	26.0	0.31
F32	23 Feb 2021	48	10.53	88.34	4.1	33.91	7.8	26.0	0.30
F32	23 Feb 2021	49	10.52	88.36	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	50	10.52	88.41	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	51	10.51	88.37	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	52	10.51	88.41	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	53	10.50	88.40	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	54	10.50	88.40	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	55	10.50	88.42	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	56	10.50	88.39	4.1	33.91	7.8	26.0	0.28
F32	23 Feb 2021	57	10.50	88.38	4.1	33.91	7.8	26.0	0.28
F32	23 Feb 2021	58	10.49	88.38	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	59	10.49	88.40	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	60	10.48	88.33	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	61	10.46	88.40	4.1	33.92	7.8	26.0	0.29
F32	23 Feb 2021	62	10.46	88.39	4.1	33.92	7.8	26.0	0.29
F32	23 Feb 2021	63	10.46	88.34	4.1	33.92	7.8	26.0	0.29
F32	23 Feb 2021	64	10.46	88.38	4.1	33.92	7.8	26.0	0.29
F32	23 Feb 2021	65	10.46	88.37	4.1	33.91	7.8	26.0	0.29
F32	23 Feb 2021	66	10.46	88.39	4.1	33.92	7.8	26.0	0.30
F32	23 Feb 2021	67	10.46	88.35	4.1	33.92	7.8	26.0	0.33
F32	23 Feb 2021	68	10.46	88.39	4.1	33.92	7.8	26.0	0.31
F32	23 Feb 2021	69	10.44	88.41	4.0	33.92	7.8	26.0	0.29
F32	23 Feb 2021	70	10.43	88.41	4.0	33.93	7.8	26.0	0.29
F32	23 Feb 2021	71	10.41	88.40	4.0	33.93	7.8	26.0	0.28
F32	23 Feb 2021	72	10.38	88.44	4.0	33.94	7.8	26.1	0.28
F32	23 Feb 2021	73	10.36	88.47	4.0	33.94	7.8	26.1	0.28
F32	23 Feb 2021	74	10.35	88.43	4.0	33.94	7.8	26.1	0.28
F32	23 Feb 2021	75	10.35	88.50	4.0	33.94	7.8	26.1	0.28
F32	23 Feb 2021	76	10.34	88.48	4.0	33.94	7.8	26.1	0.28
F32	23 Feb 2021	77	10.32	88.46	4.0	33.95	7.8	26.1	0.29
F32	23 Feb 2021	78	10.29	88.49	3.9	33.95	7.8	26.1	0.27
F32	23 Feb 2021	79	10.28	88.45	3.9	33.96	7.7	26.1	0.28
F32	23 Feb 2021	80	10.27	88.47	3.8	33.96	7.7	26.1	0.28
F32	23 Feb 2021	81	10.27	88.46	3.8	33.97	7.7	26.1	0.28
F32	23 Feb 2021	82	10.24	88.41	3.8	33.98	7.7	26.1	0.27
F32	23 Feb 2021	83	10.22	88.34	3.7	33.98	7.7	26.1	0.28
F32	23 Feb 2021	84	10.21	88.30	3.7	33.98	7.7	26.1	0.28
F32	23 Feb 2021	85	10.21	88.28	3.7	33.98	7.7	26.1	0.27
F32	23 Feb 2021	86	10.20	88.28	3.7	33.98	7.7	26.1	0.28
F32	23 Feb 2021	87	10.19	88.20	3.7	33.98	7.7	26.1	0.28
F32	23 Feb 2021	88	10.15	88.15	3.6	33.99	7.7	26.1	0.27
F32	23 Feb 2021	89	10.11	87.86	3.6	34.00	7.7	26.2	0.27
F32	23 Feb 2021	90	10.10	87.83	3.6	34.01	7.7	26.2	0.27
F32	23 Feb 2021	91	10.08	87.84	3.5	34.01	7.7	26.2	0.27
F32	23 Feb 2021	92	10.07	87.45	3.5	34.01	7.7	26.2	0.28
F32	23 Feb 2021	93	10.05	86.98	3.4	34.02	7.7	26.2	0.27
F32	23 Feb 2021	94	10.05	86.84	3.4	34.02	7.7	26.2	0.27
F32	23 Feb 2021	95	10.04	86.90	3.4	34.02	7.7	26.2	0.27
F32	23 Feb 2021	96	10.04	86.86	3.4	34.02	7.7	26.2	0.27
F32	23 Feb 2021	97	10.03	86.75	3.4	34.02	7.7	26.2	0.28
F32	23 Feb 2021	98	10.00	86.43	3.4	34.03	7.7	26.2	0.28
F32	23 Feb 2021	99	9.98	85.68	3.4	34.03	7.7	26.2	0.28
F32	23 Feb 2021	100	9.88	84.92	3.2	34.05	7.7	26.2	0.28
F32	23 Feb 2021	101	9.84	84.87	3.2	34.06	7.7	26.2	0.27
F33	23 Feb 2021	1	14.75	77.71	9.3	33.52	8.2	24.9	0.97
F33	23 Feb 2021	2	14.55	77.11	9.4	33.52	8.2	24.9	1.32
F33	23 Feb 2021	3	14.32	73.54	9.3	33.52	8.2	25.0	1.82
F33	23 Feb 2021	4	14.21	72.45	9.1	33.50	8.2	25.0	1.81
F33	23 Feb 2021	5	14.16	76.19	9.0	33.50	8.2	25.0	1.78

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F33	23 Feb 2021	6	14.14	77.81	9.0	33.50	8.2	25.0	1.92
F33	23 Feb 2021	7	14.13	78.00	9.0	33.50	8.2	25.0	2.13
F33	23 Feb 2021	8	14.11	78.21	9.0	33.50	8.2	25.0	2.47
F33	23 Feb 2021	9	14.11	78.16	9.0	33.50	8.2	25.0	2.83
F33	23 Feb 2021	10	14.10	77.66	9.0	33.50	8.2	25.0	3.13
F33	23 Feb 2021	11	14.08	77.67	8.9	33.50	8.2	25.0	3.55
F33	23 Feb 2021	12	13.99	77.40	8.8	33.51	8.2	25.0	3.93
F33	23 Feb 2021	13	13.93	77.28	8.5	33.52	8.2	25.1	4.26
F33	23 Feb 2021	14	13.62	77.91	8.0	33.54	8.1	25.1	4.19
F33	23 Feb 2021	15	13.40	79.61	7.5	33.55	8.1	25.2	3.86
F33	23 Feb 2021	16	13.30	80.74	7.3	33.54	8.1	25.2	3.45
F33	23 Feb 2021	17	13.26	81.43	7.1	33.55	8.1	25.2	3.05
F33	23 Feb 2021	18	13.08	82.04	6.8	33.56	8.0	25.3	2.68
F33	23 Feb 2021	19	12.92	82.43	6.6	33.58	8.0	25.3	2.40
F33	23 Feb 2021	20	12.83	82.82	6.5	33.57	8.0	25.3	2.26
F33	23 Feb 2021	21	12.79	83.15	6.4	33.58	8.0	25.3	2.10
F33	23 Feb 2021	22	12.73	83.22	6.4	33.58	8.0	25.3	2.04
F33	23 Feb 2021	23	12.71	83.32	6.3	33.58	8.0	25.4	2.00
F33	23 Feb 2021	24	12.67	83.36	6.2	33.59	8.0	25.4	1.92
F33	23 Feb 2021	25	12.58	83.80	6.1	33.60	8.0	25.4	1.82
F33	23 Feb 2021	26	12.51	84.33	5.9	33.61	8.0	25.4	1.70
F33	23 Feb 2021	27	12.29	84.78	5.5	33.64	7.9	25.5	1.58
F33	23 Feb 2021	28	11.99	85.29	5.2	33.67	7.9	25.6	1.18
F33	23 Feb 2021	29	11.74	86.10	4.9	33.69	7.9	25.6	0.93
F33	23 Feb 2021	30	11.53	86.40	4.7	33.70	7.8	25.7	0.77
F33	23 Feb 2021	31	11.37	86.70	4.6	33.73	7.8	25.7	0.65
F33	23 Feb 2021	32	11.33	87.10	4.5	33.74	7.8	25.7	0.57
F33	23 Feb 2021	33	11.26	87.19	4.5	33.76	7.8	25.8	0.53
F33	23 Feb 2021	34	11.26	87.36	4.4	33.76	7.8	25.8	0.50
F33	23 Feb 2021	35	11.23	87.41	4.4	33.78	7.8	25.8	0.47
F33	23 Feb 2021	36	11.21	87.39	4.4	33.79	7.8	25.8	0.45
F33	23 Feb 2021	37	11.20	87.55	4.4	33.79	7.8	25.8	0.47
F33	23 Feb 2021	38	11.20	87.53	4.4	33.79	7.8	25.8	0.45
F33	23 Feb 2021	39	11.16	87.58	4.4	33.80	7.8	25.8	0.44
F33	23 Feb 2021	40	11.10	87.69	4.4	33.80	7.8	25.8	0.41
F33	23 Feb 2021	41	11.04	87.86	4.3	33.82	7.8	25.9	0.39
F33	23 Feb 2021	42	10.96	87.91	4.2	33.84	7.8	25.9	0.38
F33	23 Feb 2021	43	10.95	87.92	4.2	33.84	7.8	25.9	0.36
F33	23 Feb 2021	44	10.93	87.88	4.2	33.85	7.8	25.9	0.36
F33	23 Feb 2021	45	10.84	88.01	4.1	33.88	7.8	25.9	0.33
F33	23 Feb 2021	46	10.82	88.02	4.1	33.88	7.8	25.9	0.31
F33	23 Feb 2021	47	10.80	88.04	4.1	33.88	7.8	25.9	0.32
F33	23 Feb 2021	48	10.78	87.92	4.1	33.88	7.8	25.9	0.32
F33	23 Feb 2021	49	10.77	88.04	4.1	33.88	7.8	25.9	0.31
F33	23 Feb 2021	50	10.78	88.02	4.1	33.88	7.8	25.9	0.31
F33	23 Feb 2021	51	10.77	88.00	4.1	33.88	7.8	25.9	0.31
F33	23 Feb 2021	52	10.77	88.05	4.1	33.88	7.8	25.9	0.31
F33	23 Feb 2021	53	10.76	88.05	4.1	33.89	7.8	26.0	0.31
F33	23 Feb 2021	54	10.75	88.06	4.1	33.89	7.8	26.0	0.31
F33	23 Feb 2021	55	10.75	88.05	4.1	33.89	7.8	26.0	0.31
F33	23 Feb 2021	56	10.72	88.05	4.1	33.89	7.8	26.0	0.31
F33	23 Feb 2021	57	10.67	87.89	4.0	33.89	7.8	26.0	0.29
F33	23 Feb 2021	58	10.54	87.56	3.8	33.88	7.8	26.0	0.29
F33	23 Feb 2021	59	10.47	87.28	3.7	33.88	7.7	26.0	0.28
F33	23 Feb 2021	60	10.46	87.15	3.6	33.87	7.7	26.0	0.28
F33	23 Feb 2021	61	10.45	87.07	3.6	33.87	7.7	26.0	0.28
F33	23 Feb 2021	62	10.45	87.15	3.6	33.88	7.7	26.0	0.28
F33	23 Feb 2021	63	10.42	87.24	3.6	33.89	7.7	26.0	0.28
F33	23 Feb 2021	64	10.40	87.33	3.6	33.90	7.7	26.0	0.28
F33	23 Feb 2021	65	10.40	87.45	3.6	33.90	7.7	26.0	0.28
F33	23 Feb 2021	66	10.40	87.52	3.6	33.90	7.7	26.0	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F33	23 Feb 2021	67	10.39	87.50	3.6	33.90	7.7	26.0	0.28
F33	23 Feb 2021	68	10.34	87.40	3.6	33.91	7.7	26.0	0.28
F33	23 Feb 2021	69	10.27	87.11	3.5	33.91	7.7	26.1	0.27
F33	23 Feb 2021	70	10.25	87.38	3.5	33.91	7.7	26.1	0.27
F33	23 Feb 2021	71	10.16	86.57	3.5	33.92	7.7	26.1	0.28
F33	23 Feb 2021	72	10.12	85.72	3.5	33.91	7.7	26.1	0.27
F33	23 Feb 2021	73	10.10	86.05	3.5	33.92	7.7	26.1	0.27
F33	23 Feb 2021	74	10.10	86.10	3.5	33.92	7.7	26.1	0.27
F33	23 Feb 2021	75	10.10	86.04	3.5	33.92	7.7	26.1	0.27
F33	23 Feb 2021	76	10.08	85.92	3.4	33.92	7.7	26.1	0.28
F33	23 Feb 2021	77	10.06	85.79	3.4	33.92	7.7	26.1	0.28
F33	23 Feb 2021	78	10.06	85.34	3.4	33.92	7.7	26.1	0.28
F33	23 Feb 2021	79	10.04	85.49	3.4	33.92	7.7	26.1	0.29
F33	23 Feb 2021	80	10.04	86.02	3.4	33.92	7.7	26.1	0.27
F33	23 Feb 2021	81	10.07	86.66	3.4	33.94	7.7	26.1	0.27
F33	23 Feb 2021	82	10.10	87.06	3.5	33.95	7.7	26.1	0.27
F33	23 Feb 2021	83	10.10	87.44	3.5	33.95	7.7	26.1	0.27
F33	23 Feb 2021	84	10.09	87.29	3.5	33.95	7.7	26.1	0.26
F33	23 Feb 2021	85	10.09	87.32	3.6	33.95	7.7	26.1	0.27
F33	23 Feb 2021	86	10.12	87.46	3.6	33.96	7.7	26.1	0.27
F33	23 Feb 2021	87	10.12	87.52	3.5	33.97	7.7	26.1	0.27
F33	23 Feb 2021	88	10.12	87.57	3.5	33.97	7.7	26.1	0.27
F33	23 Feb 2021	89	10.11	87.42	3.5	33.97	7.7	26.1	0.28
F33	23 Feb 2021	90	10.11	87.30	3.5	33.97	7.7	26.1	0.26
F33	23 Feb 2021	91	10.09	87.24	3.5	33.97	7.7	26.1	0.27
F33	23 Feb 2021	92	10.06	86.99	3.5	33.98	7.7	26.1	0.27
F33	23 Feb 2021	93	10.04	87.07	3.4	33.99	7.7	26.2	0.28
F33	23 Feb 2021	94	10.02	86.86	3.4	34.00	7.7	26.2	0.26
F33	23 Feb 2021	95	10.01	86.74	3.4	34.01	7.7	26.2	0.26
F33	23 Feb 2021	96	9.99	86.86	3.5	34.01	7.7	26.2	0.27
F33	23 Feb 2021	97	9.97	85.90	3.4	34.02	7.7	26.2	0.26
F33	23 Feb 2021	98	9.96	86.03	3.4	34.03	7.7	26.2	0.26
F33	23 Feb 2021	99	9.95	85.41	3.4	34.04	7.7	26.2	0.27
F33	23 Feb 2021	100	9.93	83.96	3.3	34.04	7.7	26.2	0.27
F33	23 Feb 2021	101	9.89	83.06	3.3	34.06	7.7	26.2	0.27
F34	23 Feb 2021	1	14.31	81.89	8.6	33.49	8.1	25.0	0.60
F34	23 Feb 2021	2	14.24	81.96	8.5	33.49	8.1	25.0	0.63
F34	23 Feb 2021	3	14.20	82.12	8.6	33.48	8.1	25.0	0.63
F34	23 Feb 2021	4	14.19	82.67	8.6	33.48	8.2	25.0	0.67
F34	23 Feb 2021	5	14.17	82.65	8.6	33.48	8.2	25.0	0.74
F34	23 Feb 2021	6	14.16	82.72	8.5	33.48	8.2	25.0	0.73
F34	23 Feb 2021	7	14.15	82.89	8.6	33.48	8.2	25.0	0.79
F34	23 Feb 2021	8	14.14	82.77	8.6	33.48	8.2	25.0	0.87
F34	23 Feb 2021	9	14.11	82.43	8.7	33.49	8.2	25.0	0.99
F34	23 Feb 2021	10	14.08	81.98	8.7	33.49	8.2	25.0	1.16
F34	23 Feb 2021	11	14.07	81.82	8.7	33.49	8.2	25.0	1.48
F34	23 Feb 2021	12	14.05	81.42	8.7	33.49	8.2	25.0	1.86
F34	23 Feb 2021	13	14.02	81.00	8.7	33.49	8.2	25.0	2.39
F34	23 Feb 2021	14	14.01	80.79	8.6	33.49	8.2	25.0	2.80
F34	23 Feb 2021	15	13.99	80.73	8.6	33.49	8.1	25.0	2.99
F34	23 Feb 2021	16	13.96	80.57	8.6	33.49	8.1	25.0	3.17
F34	23 Feb 2021	17	13.93	80.38	8.5	33.50	8.1	25.0	3.37
F34	23 Feb 2021	18	13.90	78.46	8.4	33.51	8.1	25.1	3.70
F34	23 Feb 2021	19	13.87	76.84	8.2	33.51	8.1	25.1	3.90
F34	23 Feb 2021	20	13.80	76.33	8.0	33.52	8.1	25.1	3.89
F34	23 Feb 2021	21	13.70	76.76	7.7	33.52	8.1	25.1	3.46
F34	23 Feb 2021	22	13.37	79.39	7.2	33.54	8.1	25.2	2.69
F34	23 Feb 2021	23	13.16	81.43	6.8	33.53	8.0	25.2	2.10
F34	23 Feb 2021	24	13.07	82.88	6.6	33.55	8.0	25.3	1.71
F34	23 Feb 2021	25	12.91	83.43	6.3	33.59	8.0	25.3	1.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F34	23 Feb 2021	26	12.92	84.06	6.2	33.58	8.0	25.3	1.33
F34	23 Feb 2021	27	12.32	84.52	5.8	33.63	8.0	25.5	1.17
F34	23 Feb 2021	28	12.02	84.84	5.7	33.59	7.9	25.5	1.06
F34	23 Feb 2021	29	12.03	85.30	5.6	33.58	7.9	25.5	0.97
F34	23 Feb 2021	30	11.90	85.55	5.6	33.60	7.9	25.5	0.91
F34	23 Feb 2021	31	11.83	85.71	5.5	33.60	7.9	25.5	0.86
F34	23 Feb 2021	32	11.80	85.78	5.5	33.60	7.9	25.5	0.82
F34	23 Feb 2021	33	11.68	85.76	5.4	33.62	7.9	25.6	0.81
F34	23 Feb 2021	34	11.71	86.07	5.3	33.62	7.9	25.6	0.79
F34	23 Feb 2021	35	11.54	86.33	5.1	33.66	7.9	25.6	0.70
F34	23 Feb 2021	36	11.52	86.40	5.0	33.67	7.8	25.6	0.67
F34	23 Feb 2021	37	11.51	86.44	5.0	33.68	7.8	25.7	0.65
F34	23 Feb 2021	38	11.50	86.38	4.9	33.69	7.8	25.7	0.62
F34	23 Feb 2021	39	11.46	86.40	4.8	33.70	7.8	25.7	0.60
F34	23 Feb 2021	40	11.43	86.40	4.8	33.71	7.8	25.7	0.61
F34	23 Feb 2021	41	11.38	86.57	4.7	33.72	7.8	25.7	0.61
F34	23 Feb 2021	42	11.36	86.59	4.7	33.72	7.8	25.7	0.57
F34	23 Feb 2021	43	11.34	86.55	4.7	33.73	7.8	25.7	0.56
F34	23 Feb 2021	44	11.34	86.59	4.6	33.74	7.8	25.7	0.56
F34	23 Feb 2021	45	11.28	86.44	4.5	33.76	7.8	25.8	0.50
F34	23 Feb 2021	46	11.25	86.57	4.5	33.77	7.8	25.8	0.48
F34	23 Feb 2021	47	11.19	86.76	4.4	33.78	7.8	25.8	0.46
F34	23 Feb 2021	48	11.17	86.87	4.4	33.78	7.8	25.8	0.46
F34	23 Feb 2021	49	11.09	86.94	4.4	33.80	7.8	25.8	0.43
F34	23 Feb 2021	50	11.06	86.99	4.4	33.80	7.8	25.8	0.43
F34	23 Feb 2021	51	11.03	86.99	4.4	33.80	7.8	25.8	0.42
F34	23 Feb 2021	52	10.99	87.21	4.3	33.81	7.8	25.9	0.40
F34	23 Feb 2021	53	10.92	87.25	4.3	33.83	7.8	25.9	0.39
F34	23 Feb 2021	54	10.87	87.35	4.3	33.83	7.8	25.9	0.37
F34	23 Feb 2021	55	10.87	87.58	4.3	33.83	7.8	25.9	0.36
F34	23 Feb 2021	56	10.83	87.60	4.3	33.83	7.8	25.9	0.35
F34	23 Feb 2021	57	10.80	87.65	4.2	33.84	7.8	25.9	0.35
F34	23 Feb 2021	58	10.80	87.20	4.1	33.86	7.8	25.9	0.34
F34	23 Feb 2021	59	10.79	87.04	3.9	33.87	7.8	25.9	0.32
F34	23 Feb 2021	60	10.77	86.92	3.8	33.88	7.8	25.9	0.32
F34	23 Feb 2021	61	10.76	86.94	3.8	33.88	7.7	25.9	0.32
F34	23 Feb 2021	62	10.69	87.08	3.8	33.89	7.7	26.0	0.31
F34	23 Feb 2021	63	10.61	87.46	3.8	33.90	7.7	26.0	0.30
F34	23 Feb 2021	64	10.46	87.31	3.7	33.88	7.7	26.0	0.29
F34	23 Feb 2021	65	10.41	86.97	3.6	33.87	7.7	26.0	0.29
F34	23 Feb 2021	66	10.39	87.06	3.6	33.87	7.7	26.0	0.29
F34	23 Feb 2021	67	10.39	86.93	3.6	33.89	7.7	26.0	0.28
F34	23 Feb 2021	68	10.39	87.26	3.7	33.90	7.7	26.0	0.29
F34	23 Feb 2021	69	10.37	87.07	3.7	33.90	7.7	26.0	0.28
F34	23 Feb 2021	70	10.35	87.17	3.7	33.90	7.7	26.0	0.29
F34	23 Feb 2021	71	10.34	87.21	3.7	33.90	7.7	26.0	0.29
F34	23 Feb 2021	72	10.34	86.69	3.7	33.91	7.7	26.0	0.29
F34	23 Feb 2021	73	10.33	87.32	3.7	33.91	7.7	26.0	0.28
F34	23 Feb 2021	74	10.31	87.24	3.7	33.91	7.7	26.0	0.27
F34	23 Feb 2021	75	10.31	87.30	3.7	33.91	7.7	26.0	0.28
F34	23 Feb 2021	76	10.30	87.20	3.7	33.91	7.7	26.1	0.28
F34	23 Feb 2021	77	10.31	87.40	3.7	33.91	7.7	26.0	0.28
F34	23 Feb 2021	78	10.33	87.54	3.7	33.92	7.7	26.1	0.30
F34	23 Feb 2021	79	10.34	87.48	3.7	33.93	7.7	26.1	0.29
F34	23 Feb 2021	80	10.33	87.75	3.7	33.94	7.7	26.1	0.28
F34	23 Feb 2021	81	10.32	87.78	3.7	33.95	7.7	26.1	0.28
F34	23 Feb 2021	82	10.32	87.56	3.7	33.95	7.7	26.1	0.28
F34	23 Feb 2021	83	10.29	87.51	3.6	33.95	7.7	26.1	0.28
F34	23 Feb 2021	84	10.26	87.53	3.6	33.94	7.7	26.1	0.28
F34	23 Feb 2021	85	10.26	87.45	3.6	33.94	7.7	26.1	0.28
F34	23 Feb 2021	86	10.24	87.21	3.6	33.94	7.7	26.1	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	23 Feb 2021	87	10.22	87.34	3.6	33.94	7.7	26.1	0.28
F34	23 Feb 2021	88	10.19	87.17	3.5	33.94	7.7	26.1	0.27
F34	23 Feb 2021	89	10.18	87.18	3.5	33.94	7.7	26.1	0.28
F34	23 Feb 2021	90	10.15	87.09	3.5	33.95	7.7	26.1	0.28
F34	23 Feb 2021	91	10.14	87.14	3.5	33.95	7.7	26.1	0.28
F34	23 Feb 2021	92	10.10	87.12	3.5	33.96	7.7	26.1	0.28
F34	23 Feb 2021	93	10.09	86.81	3.5	33.98	7.7	26.1	0.28
F34	23 Feb 2021	94	10.09	86.89	3.5	33.99	7.7	26.1	0.27
F34	23 Feb 2021	95	10.07	86.78	3.5	34.01	7.7	26.2	0.27
F34	23 Feb 2021	96	10.07	85.92	3.4	34.02	7.7	26.2	0.27
F34	23 Feb 2021	97	10.02	84.77	3.4	34.04	7.7	26.2	0.27
F34	23 Feb 2021	98	9.94	84.97	3.3	34.06	7.7	26.2	0.27
F34	23 Feb 2021	99	9.91	85.05	3.2	34.06	7.7	26.2	0.27
F34	23 Feb 2021	100	9.87	85.21	3.2	34.07	7.7	26.2	0.27
F34	23 Feb 2021	101	9.83	85.11	3.1	34.08	7.7	26.3	0.28
F35	23 Feb 2021	1	14.45	84.31	8.5	33.49	8.1	24.9	0.53
F35	23 Feb 2021	2	14.37	84.29	8.4	33.48	8.1	24.9	0.56
F35	23 Feb 2021	3	14.31	84.15	8.5	33.48	8.1	24.9	0.62
F35	23 Feb 2021	4	14.28	84.00	8.5	33.48	8.1	25.0	0.65
F35	23 Feb 2021	5	14.25	83.98	8.5	33.48	8.1	25.0	0.68
F35	23 Feb 2021	6	14.22	84.05	8.5	33.48	8.1	25.0	0.71
F35	23 Feb 2021	7	14.18	84.12	8.5	33.48	8.1	25.0	0.73
F35	23 Feb 2021	8	14.16	84.07	8.6	33.48	8.1	25.0	0.80
F35	23 Feb 2021	9	14.13	84.14	8.6	33.48	8.1	25.0	0.92
F35	23 Feb 2021	10	14.11	84.10	8.6	33.48	8.1	25.0	0.99
F35	23 Feb 2021	11	14.10	84.11	8.6	33.48	8.1	25.0	1.03
F35	23 Feb 2021	12	14.08	84.04	8.6	33.48	8.1	25.0	1.02
F35	23 Feb 2021	13	14.07	84.04	8.6	33.48	8.1	25.0	1.11
F35	23 Feb 2021	14	14.07	83.95	8.7	33.48	8.1	25.0	1.26
F35	23 Feb 2021	15	14.06	84.04	8.7	33.48	8.1	25.0	1.34
F35	23 Feb 2021	16	14.06	83.92	8.6	33.48	8.1	25.0	1.41
F35	23 Feb 2021	17	14.05	83.70	8.6	33.48	8.1	25.0	1.64
F35	23 Feb 2021	18	14.04	83.85	8.7	33.48	8.1	25.0	1.74
F35	23 Feb 2021	19	14.04	83.86	8.7	33.48	8.1	25.0	1.71
F35	23 Feb 2021	20	14.03	83.83	8.7	33.48	8.1	25.0	1.80
F35	23 Feb 2021	21	14.02	83.64	8.6	33.48	8.1	25.0	1.82
F35	23 Feb 2021	22	14.00	83.59	8.6	33.48	8.1	25.0	1.97
F35	23 Feb 2021	23	13.96	83.65	8.4	33.48	8.1	25.0	2.28
F35	23 Feb 2021	24	13.72	83.42	8.1	33.49	8.1	25.1	2.97
F35	23 Feb 2021	25	13.59	83.20	7.9	33.48	8.1	25.1	3.13
F35	23 Feb 2021	26	13.54	83.16	7.8	33.48	8.1	25.1	3.56
F35	23 Feb 2021	27	13.48	83.21	7.7	33.48	8.1	25.1	2.98
F35	23 Feb 2021	28	13.41	83.40	7.5	33.48	8.1	25.1	2.75
F35	23 Feb 2021	29	13.32	84.09	7.3	33.49	8.0	25.2	2.55
F35	23 Feb 2021	30	13.20	84.61	7.1	33.51	8.0	25.2	2.16
F35	23 Feb 2021	31	13.14	85.22	7.0	33.52	8.0	25.2	2.08
F35	23 Feb 2021	32	13.09	85.56	6.9	33.52	8.0	25.2	1.88
F35	23 Feb 2021	33	13.03	85.83	6.8	33.53	8.0	25.2	1.61
F35	23 Feb 2021	34	12.87	86.30	6.5	33.54	8.0	25.3	1.35
F35	23 Feb 2021	35	12.67	86.87	6.3	33.54	8.0	25.3	1.16
F35	23 Feb 2021	36	12.42	87.23	6.0	33.56	7.9	25.4	1.00
F35	23 Feb 2021	37	12.00	87.20	5.7	33.60	7.9	25.5	0.89
F35	23 Feb 2021	38	11.71	87.05	5.5	33.60	7.9	25.6	0.80
F35	23 Feb 2021	39	11.59	87.10	5.5	33.60	7.9	25.6	0.71
F35	23 Feb 2021	40	11.48	87.23	5.4	33.60	7.9	25.6	0.67
F35	23 Feb 2021	41	11.50	87.47	5.5	33.60	7.9	25.6	0.62
F35	23 Feb 2021	42	11.41	87.92	5.4	33.61	7.9	25.6	0.59
F35	23 Feb 2021	43	11.32	88.03	5.3	33.62	7.9	25.6	0.55
F35	23 Feb 2021	44	11.23	88.06	5.3	33.63	7.8	25.7	0.52
F35	23 Feb 2021	45	11.20	88.23	5.2	33.63	7.8	25.7	0.50

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F35	23 Feb 2021	46	11.12	88.34	5.2	33.63	7.8	25.7	0.48
F35	23 Feb 2021	47	11.04	88.36	5.3	33.63	7.8	25.7	0.48
F35	23 Feb 2021	48	10.95	88.48	5.3	33.62	7.8	25.7	0.46
F35	23 Feb 2021	49	10.94	88.53	5.3	33.63	7.8	25.7	0.45
F35	23 Feb 2021	50	10.90	88.55	5.3	33.63	7.8	25.7	0.43
F35	23 Feb 2021	51	10.90	88.55	5.2	33.64	7.8	25.7	0.42
F35	23 Feb 2021	52	10.89	88.52	5.1	33.67	7.8	25.8	0.40
F35	23 Feb 2021	53	10.81	88.51	5.1	33.69	7.8	25.8	0.41
F35	23 Feb 2021	54	10.77	88.49	5.0	33.69	7.8	25.8	0.39
F35	23 Feb 2021	55	10.75	88.54	5.0	33.69	7.8	25.8	0.38
F35	23 Feb 2021	56	10.75	88.54	5.0	33.69	7.8	25.8	0.38
F35	23 Feb 2021	57	10.72	88.48	5.0	33.71	7.8	25.8	0.39
F35	23 Feb 2021	58	10.72	88.46	4.9	33.72	7.8	25.8	0.37
F35	23 Feb 2021	59	10.72	88.36	4.9	33.73	7.8	25.8	0.37
F35	23 Feb 2021	60	10.71	88.38	4.8	33.76	7.8	25.9	0.36
F35	23 Feb 2021	61	10.71	88.39	4.8	33.76	7.8	25.9	0.36
F35	23 Feb 2021	62	10.70	88.39	4.7	33.77	7.8	25.9	0.35
F35	23 Feb 2021	63	10.70	88.37	4.6	33.79	7.8	25.9	0.35
F35	23 Feb 2021	64	10.69	88.40	4.6	33.80	7.8	25.9	0.34
F35	23 Feb 2021	65	10.70	88.39	4.5	33.81	7.8	25.9	0.33
F35	23 Feb 2021	66	10.74	88.27	4.4	33.83	7.8	25.9	0.33
F35	23 Feb 2021	67	10.74	88.05	4.3	33.84	7.8	25.9	0.33
F35	23 Feb 2021	68	10.71	88.04	4.3	33.85	7.8	25.9	0.33
F35	23 Feb 2021	69	10.70	88.02	4.3	33.86	7.8	25.9	0.32
F35	23 Feb 2021	70	10.69	87.88	4.2	33.87	7.8	26.0	0.32
F35	23 Feb 2021	71	10.69	87.87	4.2	33.87	7.8	26.0	0.32
F35	23 Feb 2021	72	10.67	87.78	4.1	33.88	7.8	26.0	0.32
F35	23 Feb 2021	73	10.65	87.78	4.1	33.89	7.8	26.0	0.32
F35	23 Feb 2021	74	10.62	87.86	4.1	33.90	7.8	26.0	0.32
F35	23 Feb 2021	75	10.58	87.85	4.0	33.91	7.8	26.0	0.31
F35	23 Feb 2021	76	10.54	87.84	4.0	33.92	7.8	26.0	0.30
F35	23 Feb 2021	77	10.51	87.88	4.0	33.92	7.7	26.0	0.30
F35	23 Feb 2021	78	10.48	87.89	3.9	33.93	7.7	26.0	0.30
F35	23 Feb 2021	79	10.43	87.85	3.9	33.94	7.7	26.1	0.30
F35	23 Feb 2021	80	10.40	87.84	3.9	33.95	7.7	26.1	0.31
F35	23 Feb 2021	81	10.35	87.79	3.8	33.96	7.7	26.1	0.28
F35	23 Feb 2021	82	10.33	87.75	3.8	33.96	7.7	26.1	0.29
F35	23 Feb 2021	83	10.32	87.61	3.8	33.96	7.7	26.1	0.29
F35	23 Feb 2021	84	10.31	87.59	3.8	33.96	7.7	26.1	0.28
F35	23 Feb 2021	85	10.30	87.54	3.7	33.97	7.7	26.1	0.28
F35	23 Feb 2021	86	10.22	87.46	3.7	33.99	7.7	26.1	0.28
F35	23 Feb 2021	87	10.17	87.36	3.6	34.00	7.7	26.1	0.28
F35	23 Feb 2021	88	10.14	87.40	3.6	34.00	7.7	26.1	0.28
F35	23 Feb 2021	89	10.09	87.44	3.5	34.02	7.7	26.2	0.28
F35	23 Feb 2021	90	9.99	87.43	3.4	34.04	7.7	26.2	0.28
F35	23 Feb 2021	91	9.98	87.53	3.4	34.03	7.7	26.2	0.27
F35	23 Feb 2021	92	9.93	87.58	3.4	34.05	7.7	26.2	0.27
F35	23 Feb 2021	93	9.92	87.53	3.4	34.05	7.7	26.2	0.28
F35	23 Feb 2021	94	9.91	87.50	3.3	34.05	7.7	26.2	0.27
F35	23 Feb 2021	95	9.78	87.40	3.2	34.09	7.7	26.3	0.28
F35	23 Feb 2021	96	9.76	87.67	3.1	34.08	7.7	26.3	0.27
F35	23 Feb 2021	97	9.74	87.84	3.1	34.09	7.7	26.3	0.27
F35	23 Feb 2021	98	9.74	87.81	3.1	34.09	7.7	26.3	0.27
F35	23 Feb 2021	99	9.71	87.39	3.1	34.10	7.7	26.3	0.27
F35	23 Feb 2021	100	9.71	87.10	3.0	34.10	7.7	26.3	0.27
F36	23 Feb 2021	1	14.38	84.46	8.5	33.49	8.2	24.9	0.55
F36	23 Feb 2021	2	14.35	84.58	8.5	33.49	8.2	24.9	0.57
F36	23 Feb 2021	3	14.33	84.58	8.5	33.49	8.2	24.9	0.58
F36	23 Feb 2021	4	14.32	84.58	8.5	33.49	8.2	25.0	0.64
F36	23 Feb 2021	5	14.28	84.73	8.5	33.49	8.2	25.0	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F36	23 Feb 2021	6	14.21	84.63	8.6	33.49	8.2	25.0	0.69
F36	23 Feb 2021	7	14.18	84.86	8.6	33.49	8.2	25.0	0.69
F36	23 Feb 2021	8	14.16	84.93	8.6	33.48	8.2	25.0	0.72
F36	23 Feb 2021	9	14.14	85.07	8.6	33.48	8.2	25.0	0.76
F36	23 Feb 2021	10	14.12	85.03	8.6	33.48	8.2	25.0	0.83
F36	23 Feb 2021	11	14.10	85.18	8.6	33.48	8.2	25.0	0.92
F36	23 Feb 2021	12	14.09	85.30	8.6	33.48	8.2	25.0	0.95
F36	23 Feb 2021	13	14.08	85.29	8.7	33.48	8.2	25.0	1.04
F36	23 Feb 2021	14	14.08	85.12	8.6	33.48	8.2	25.0	1.05
F36	23 Feb 2021	15	14.07	84.91	8.6	33.48	8.2	25.0	1.17
F36	23 Feb 2021	16	14.06	85.05	8.6	33.48	8.2	25.0	1.26
F36	23 Feb 2021	17	14.05	85.17	8.6	33.48	8.2	25.0	1.35
F36	23 Feb 2021	18	14.01	85.15	8.5	33.48	8.2	25.0	1.46
F36	23 Feb 2021	19	13.90	85.57	8.1	33.49	8.1	25.0	1.65
F36	23 Feb 2021	20	13.49	85.13	7.5	33.53	8.1	25.2	1.88
F36	23 Feb 2021	21	13.26	85.54	7.0	33.53	8.1	25.2	1.64
F36	23 Feb 2021	22	13.02	86.45	6.8	33.52	8.0	25.2	1.37
F36	23 Feb 2021	23	12.99	86.87	6.8	33.51	8.0	25.2	1.25
F36	23 Feb 2021	24	12.95	86.89	6.8	33.51	8.0	25.2	1.15
F36	23 Feb 2021	25	12.91	86.90	6.7	33.51	8.0	25.3	1.11
F36	23 Feb 2021	26	12.79	86.97	6.5	33.53	8.0	25.3	1.07
F36	23 Feb 2021	27	12.53	87.10	6.2	33.53	8.0	25.3	0.98
F36	23 Feb 2021	28	12.43	87.52	6.1	33.52	8.0	25.4	0.91
F36	23 Feb 2021	29	12.38	87.65	6.1	33.52	8.0	25.4	0.88
F36	23 Feb 2021	30	12.38	87.70	6.0	33.52	8.0	25.4	0.91
F36	23 Feb 2021	31	12.28	87.70	5.9	33.54	8.0	25.4	0.86
F36	23 Feb 2021	32	12.19	87.75	5.8	33.55	7.9	25.4	0.83
F36	23 Feb 2021	33	12.08	87.79	5.9	33.54	7.9	25.4	0.82
F36	23 Feb 2021	34	11.98	87.82	5.9	33.53	7.9	25.5	0.75
F36	23 Feb 2021	35	11.90	87.93	5.9	33.52	7.9	25.5	0.88
F36	23 Feb 2021	36	11.87	88.01	5.9	33.52	7.9	25.5	0.75
F36	23 Feb 2021	37	11.82	87.97	5.8	33.54	7.9	25.5	0.73
F36	23 Feb 2021	38	11.71	87.85	5.7	33.56	7.9	25.5	0.69
F36	23 Feb 2021	39	11.64	87.94	5.7	33.55	7.9	25.5	0.67
F36	23 Feb 2021	40	11.54	88.02	5.7	33.55	7.9	25.6	0.63
F36	23 Feb 2021	41	11.51	88.09	5.6	33.55	7.9	25.6	0.61
F36	23 Feb 2021	42	11.54	88.14	5.5	33.58	7.9	25.6	0.58
F36	23 Feb 2021	43	11.51	88.12	5.4	33.61	7.9	25.6	0.54
F36	23 Feb 2021	44	11.37	88.08	5.4	33.60	7.9	25.6	0.57
F36	23 Feb 2021	45	11.34	88.18	5.4	33.60	7.9	25.6	0.54
F36	23 Feb 2021	46	11.37	88.16	5.4	33.60	7.9	25.6	0.53
F36	23 Feb 2021	47	11.24	88.28	5.3	33.61	7.9	25.7	0.50
F36	23 Feb 2021	48	11.17	88.17	5.2	33.62	7.9	25.7	0.48
F36	23 Feb 2021	49	11.09	88.34	5.2	33.63	7.9	25.7	0.45
F36	23 Feb 2021	50	10.98	88.43	5.2	33.63	7.9	25.7	0.43
F36	23 Feb 2021	51	10.85	88.48	5.3	33.63	7.9	25.7	0.41
F36	23 Feb 2021	52	10.82	88.49	5.3	33.63	7.8	25.7	0.40
F36	23 Feb 2021	53	10.81	88.52	5.3	33.63	7.8	25.7	0.40
F36	23 Feb 2021	54	10.80	88.57	5.3	33.63	7.8	25.7	0.39
F36	23 Feb 2021	55	10.78	88.56	5.3	33.64	7.8	25.8	0.38
F36	23 Feb 2021	56	10.75	88.55	5.2	33.64	7.8	25.8	0.46
F36	23 Feb 2021	57	10.75	88.54	5.2	33.65	7.8	25.8	0.41
F36	23 Feb 2021	58	10.73	88.57	5.2	33.66	7.8	25.8	0.38
F36	23 Feb 2021	59	10.73	88.62	5.2	33.66	7.8	25.8	0.37
F36	23 Feb 2021	60	10.69	88.62	5.2	33.67	7.8	25.8	0.37
F36	23 Feb 2021	61	10.63	88.58	5.1	33.67	7.8	25.8	0.35
F36	23 Feb 2021	62	10.60	88.62	5.1	33.67	7.8	25.8	0.36
F36	23 Feb 2021	63	10.57	88.59	5.1	33.67	7.8	25.8	0.34
F36	23 Feb 2021	64	10.56	88.60	5.1	33.67	7.8	25.8	0.33
F36	23 Feb 2021	65	10.55	88.63	5.1	33.68	7.8	25.8	0.35
F36	23 Feb 2021	66	10.54	88.64	5.1	33.68	7.8	25.8	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F36	23 Feb 2021	67	10.53	88.64	5.0	33.70	7.8	25.8	0.33
F36	23 Feb 2021	68	10.54	88.66	5.0	33.72	7.8	25.9	0.33
F36	23 Feb 2021	69	10.54	88.68	4.8	33.76	7.8	25.9	0.32
F36	23 Feb 2021	70	10.52	88.71	4.7	33.79	7.8	25.9	0.30
F36	23 Feb 2021	71	10.52	88.73	4.6	33.79	7.8	25.9	0.28
F36	23 Feb 2021	72	10.52	88.74	4.6	33.79	7.8	25.9	0.29
F36	23 Feb 2021	73	10.48	88.74	4.5	33.81	7.8	25.9	0.29
F36	23 Feb 2021	74	10.45	88.69	4.5	33.81	7.8	25.9	0.28
F36	23 Feb 2021	75	10.45	88.73	4.5	33.82	7.8	25.9	0.28
F36	23 Feb 2021	76	10.47	88.72	4.4	33.83	7.8	26.0	0.28
F36	23 Feb 2021	77	10.50	88.55	4.3	33.86	7.8	26.0	0.28
F36	23 Feb 2021	78	10.51	88.61	4.1	33.90	7.8	26.0	0.27
F36	23 Feb 2021	79	10.44	88.52	4.0	33.92	7.8	26.0	0.27
F36	23 Feb 2021	80	10.39	88.44	4.0	33.92	7.8	26.0	0.28
F36	23 Feb 2021	81	10.35	88.58	4.0	33.92	7.8	26.1	0.27
F36	23 Feb 2021	82	10.30	88.61	4.0	33.93	7.7	26.1	0.26
F36	23 Feb 2021	83	10.25	88.64	4.0	33.94	7.7	26.1	0.26
F36	23 Feb 2021	84	10.22	88.63	4.0	33.94	7.7	26.1	0.25
F36	23 Feb 2021	85	10.17	88.66	4.0	33.94	7.7	26.1	0.25
F36	23 Feb 2021	86	10.18	88.66	3.9	33.95	7.7	26.1	0.26
F36	23 Feb 2021	87	10.18	88.45	3.8	33.96	7.7	26.1	0.26
F36	23 Feb 2021	88	10.17	88.52	3.8	33.97	7.7	26.1	0.26
F36	23 Feb 2021	89	10.16	88.48	3.7	33.98	7.7	26.1	0.27
F36	23 Feb 2021	90	10.15	88.43	3.7	33.98	7.7	26.1	0.27
F36	23 Feb 2021	91	10.14	88.39	3.7	33.98	7.7	26.1	0.26
F36	23 Feb 2021	92	10.12	88.37	3.7	33.99	7.7	26.1	0.26
F36	23 Feb 2021	93	10.11	88.40	3.7	33.99	7.7	26.1	0.26
F36	23 Feb 2021	94	10.10	88.40	3.7	33.99	7.7	26.1	0.26
F36	23 Feb 2021	95	10.07	88.34	3.6	34.00	7.7	26.2	0.25
F36	23 Feb 2021	96	10.02	88.39	3.6	34.00	7.7	26.2	0.25
F36	23 Feb 2021	97	9.99	88.28	3.6	34.01	7.7	26.2	0.25
F36	23 Feb 2021	98	9.97	88.17	3.6	34.02	7.7	26.2	0.26
F36	23 Feb 2021	99	9.97	88.06	3.5	34.02	7.7	26.2	0.26
F36	23 Feb 2021	100	9.88	87.93	3.4	34.04	7.7	26.2	0.26

NA = not available



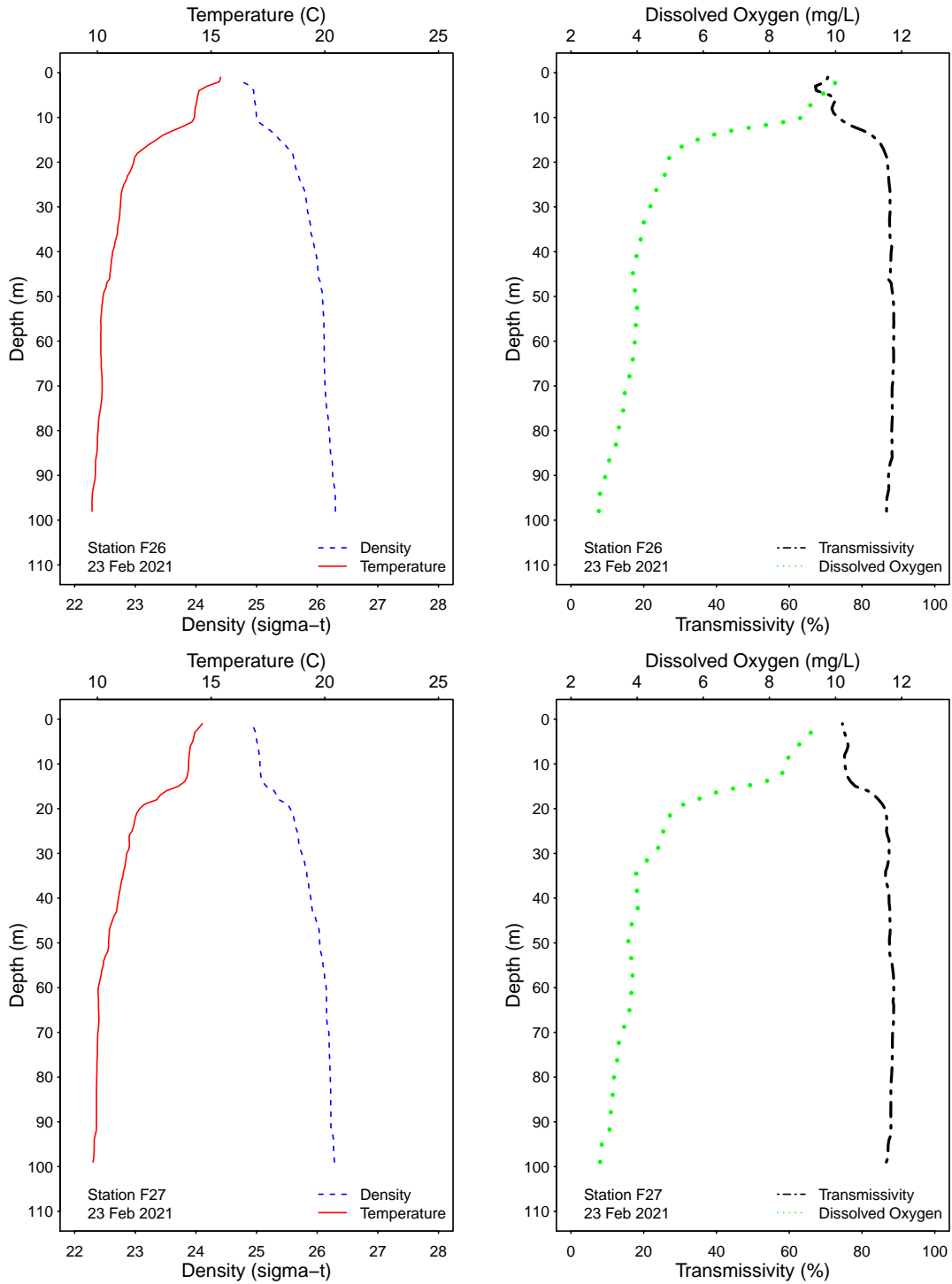


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

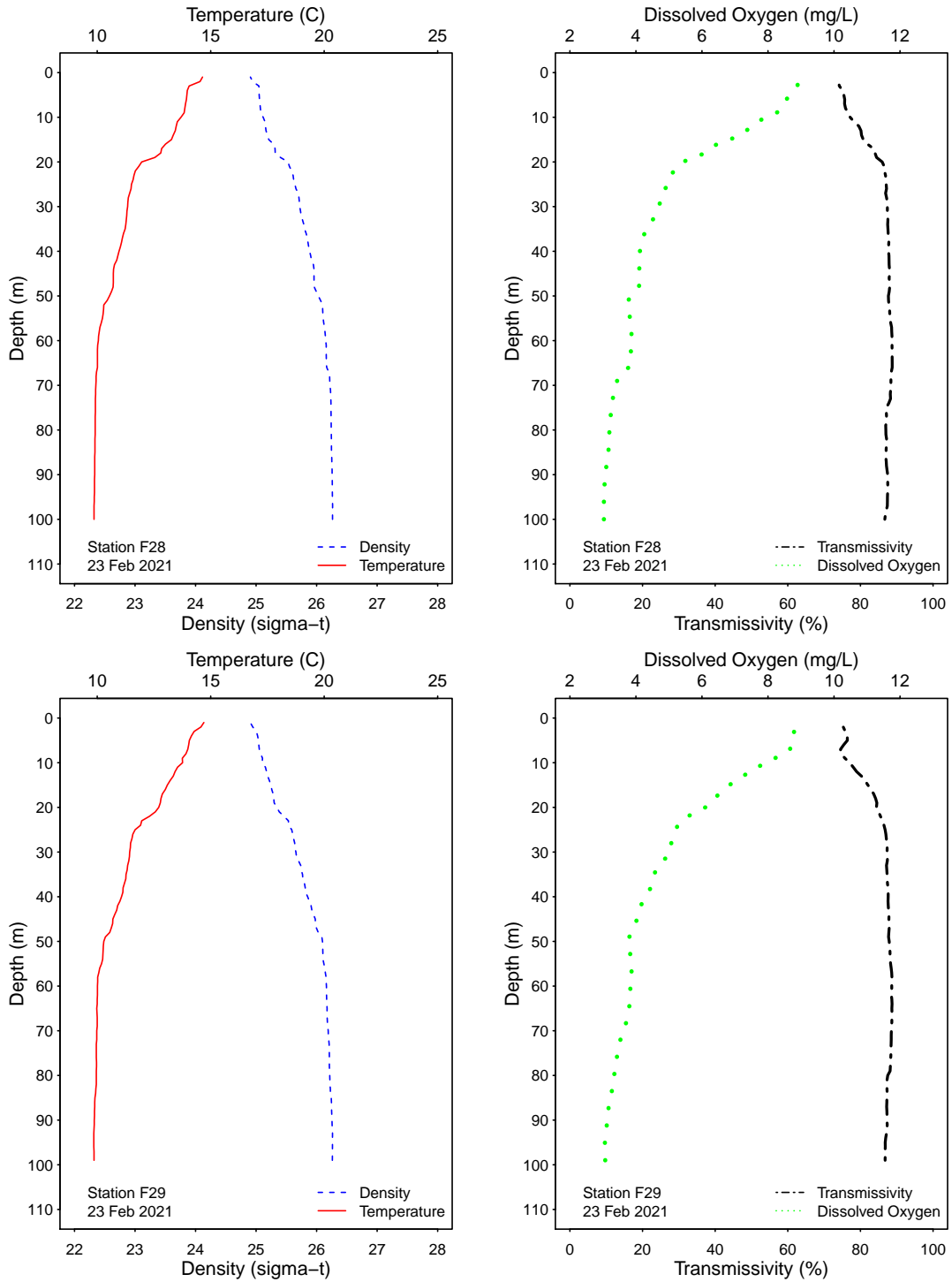


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

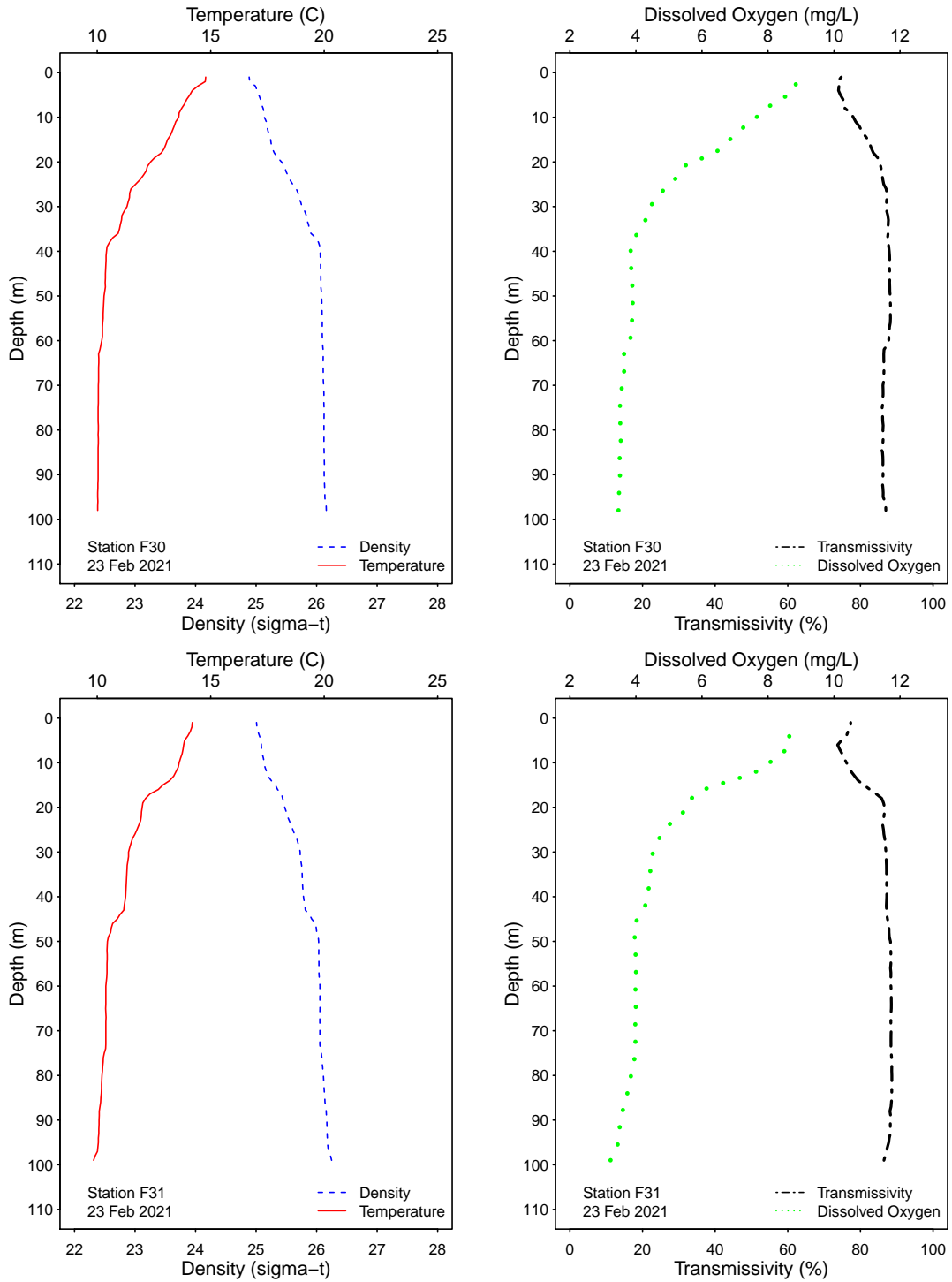


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

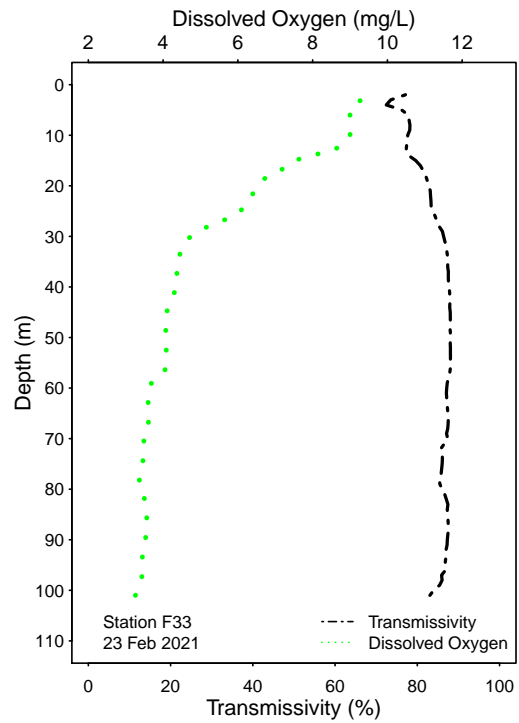
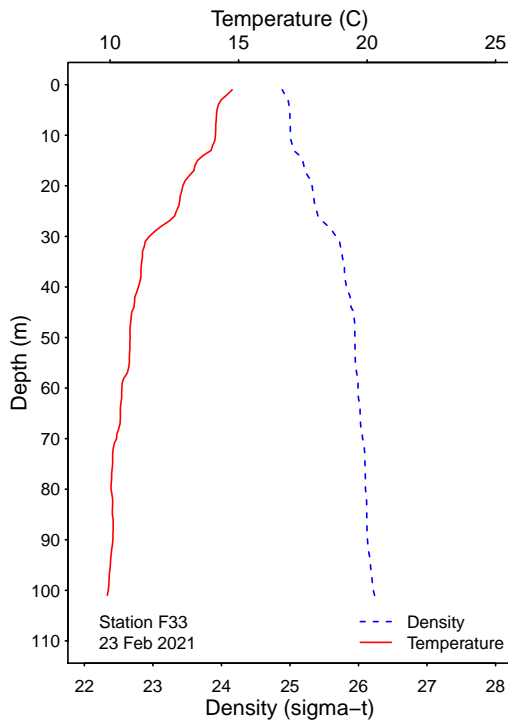
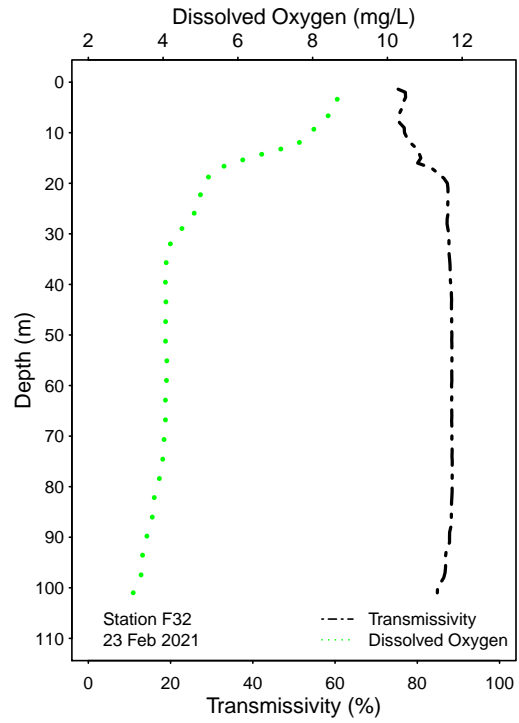
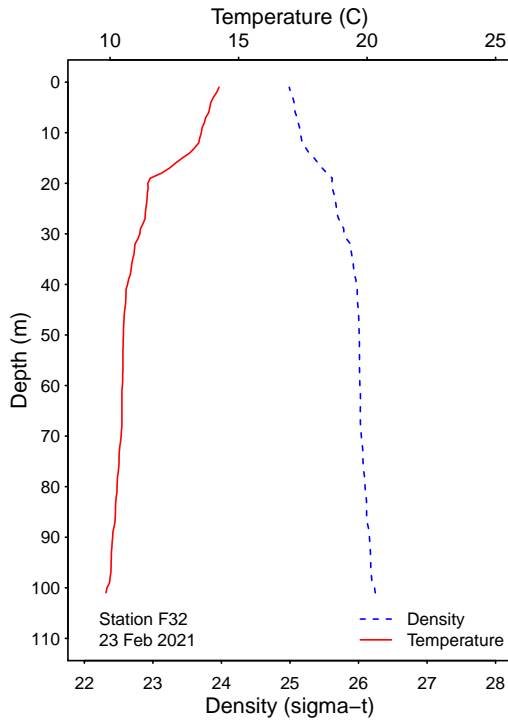


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

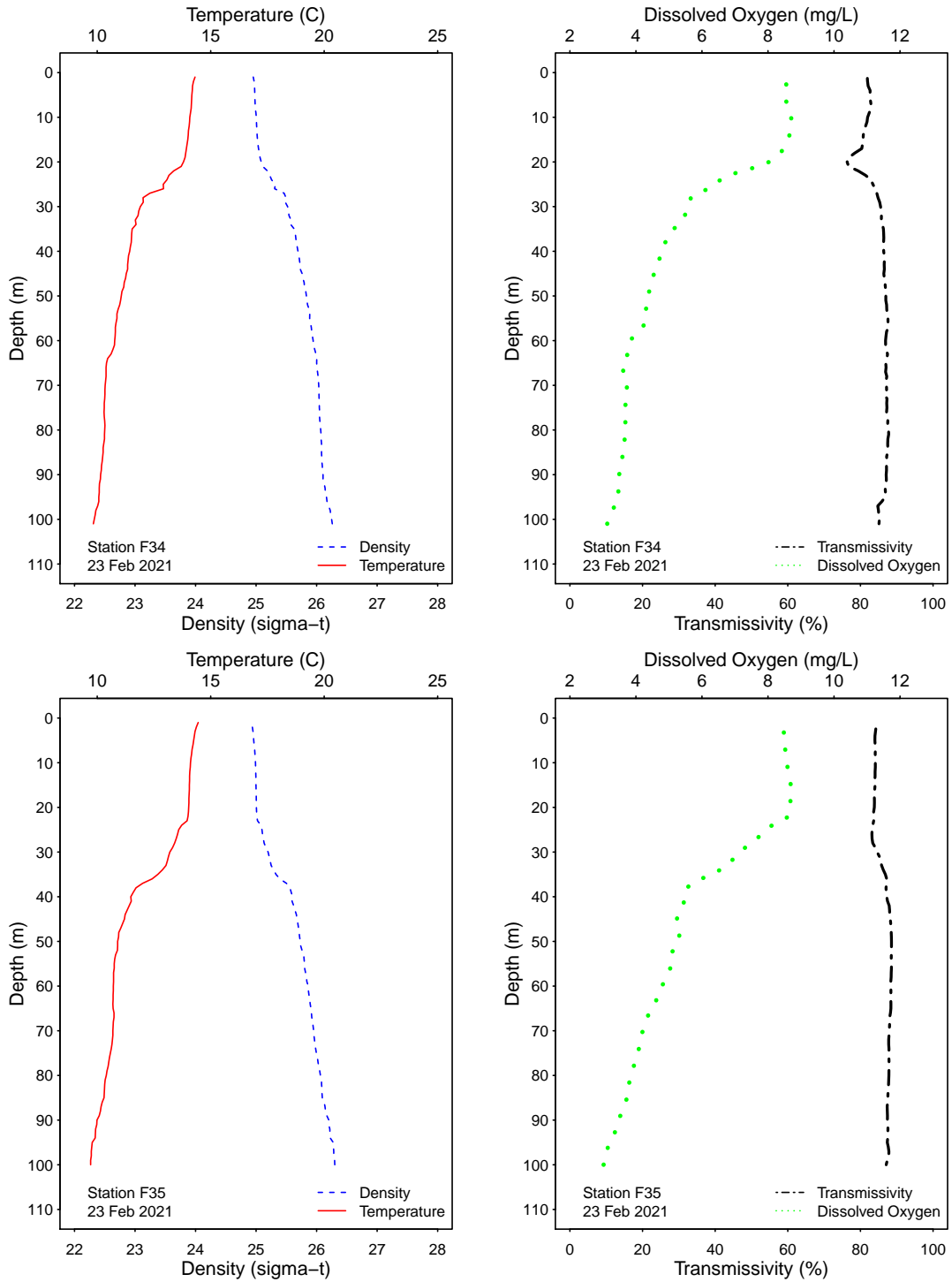


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

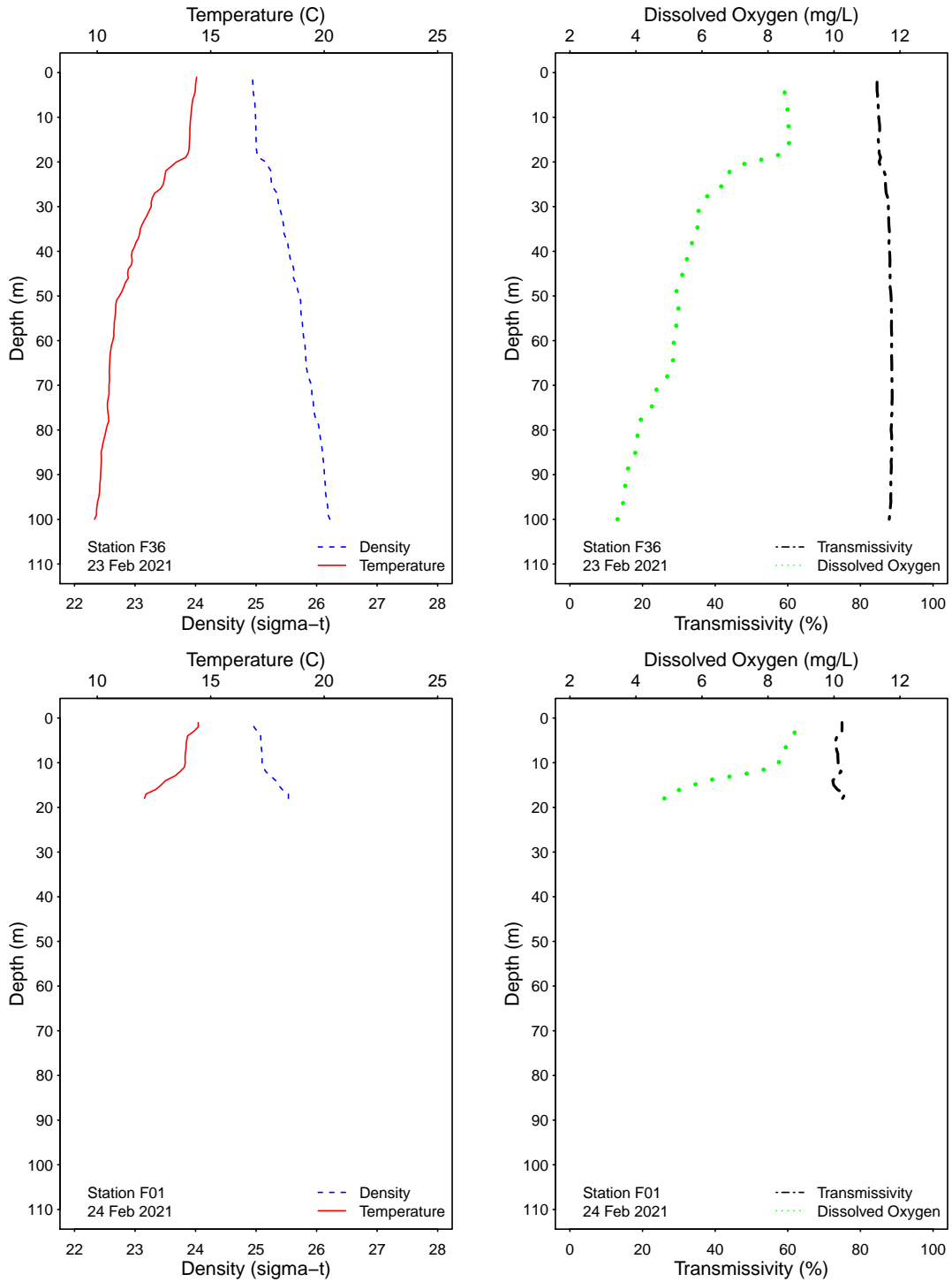


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

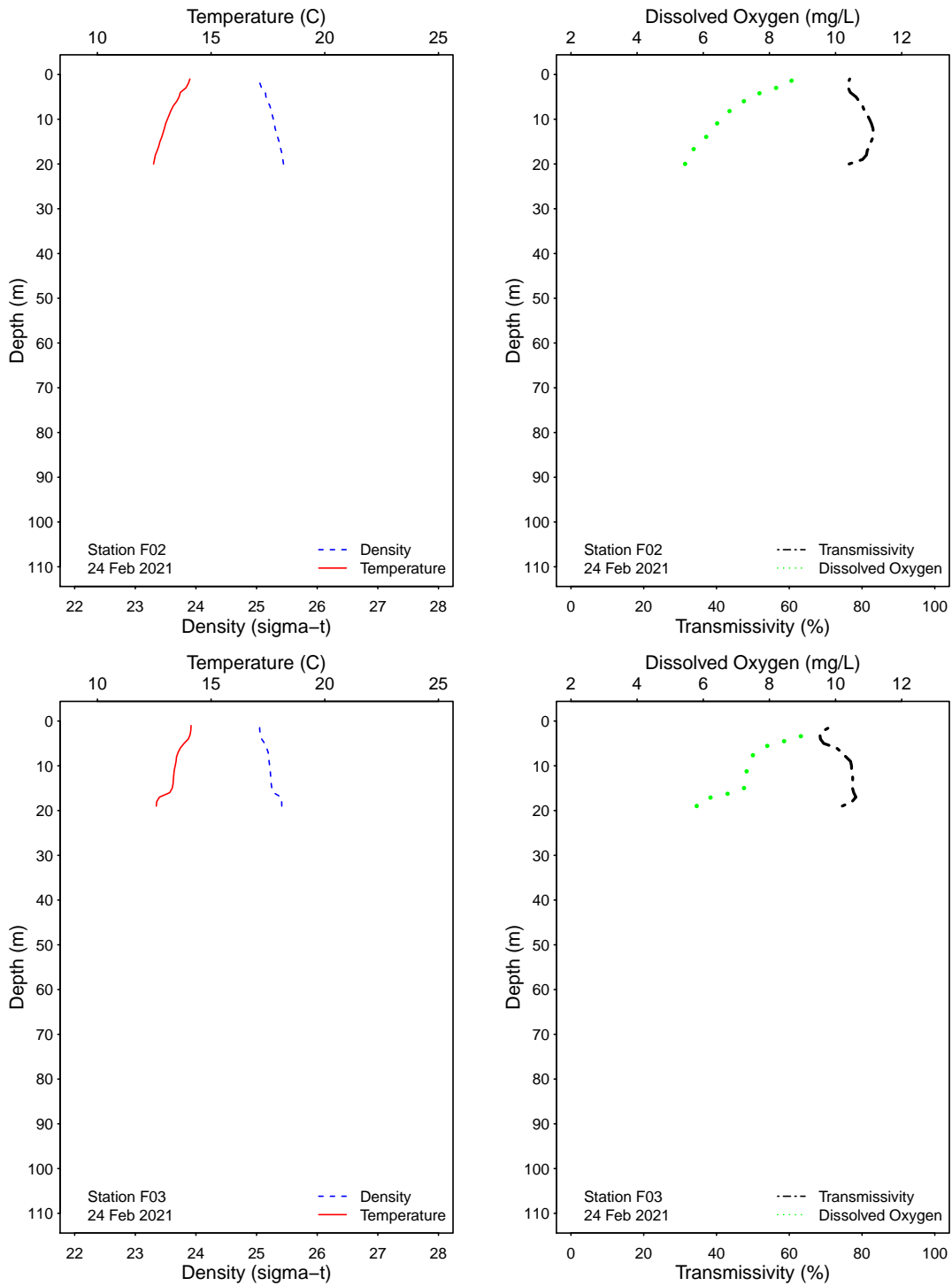


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

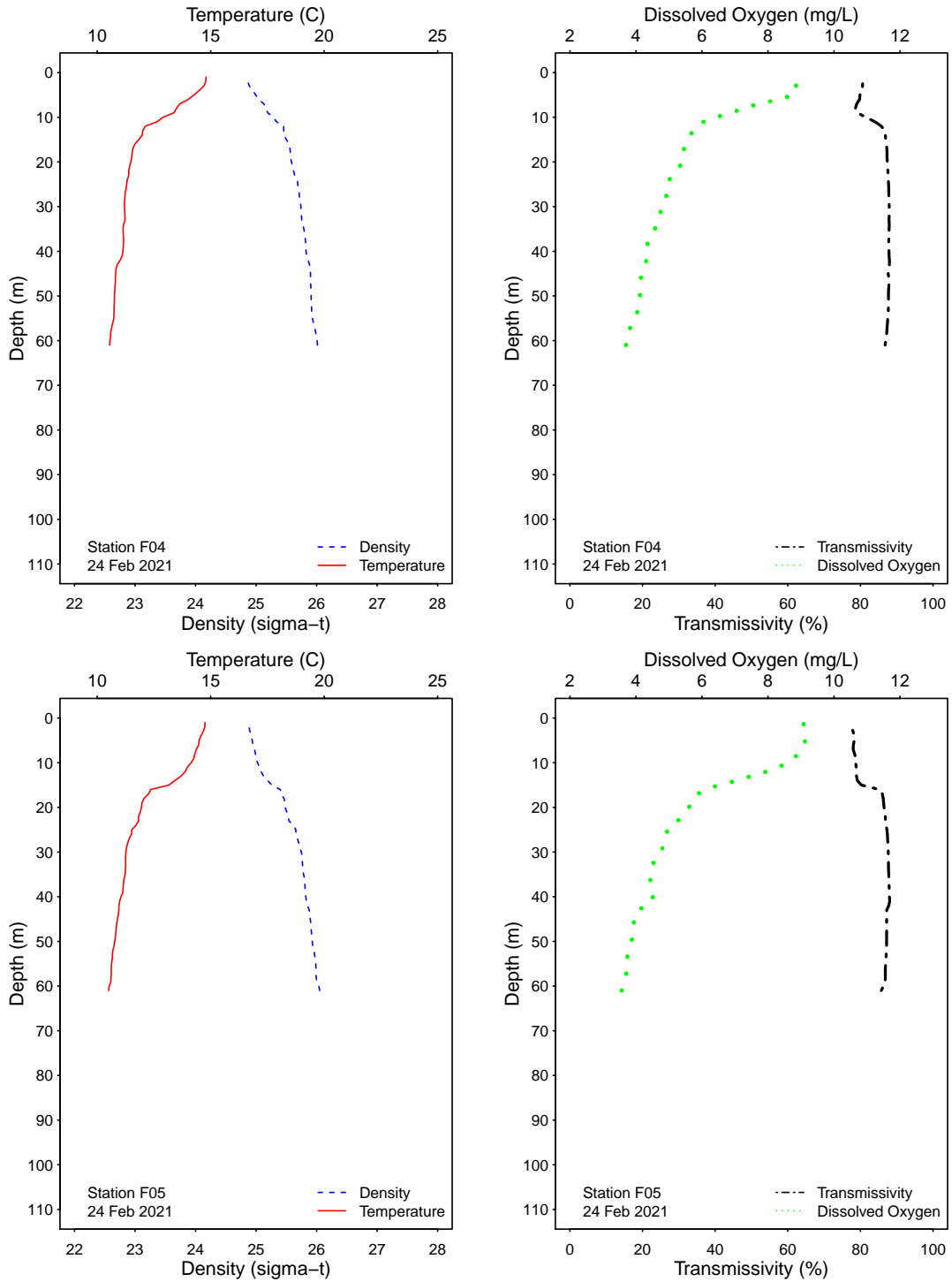


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



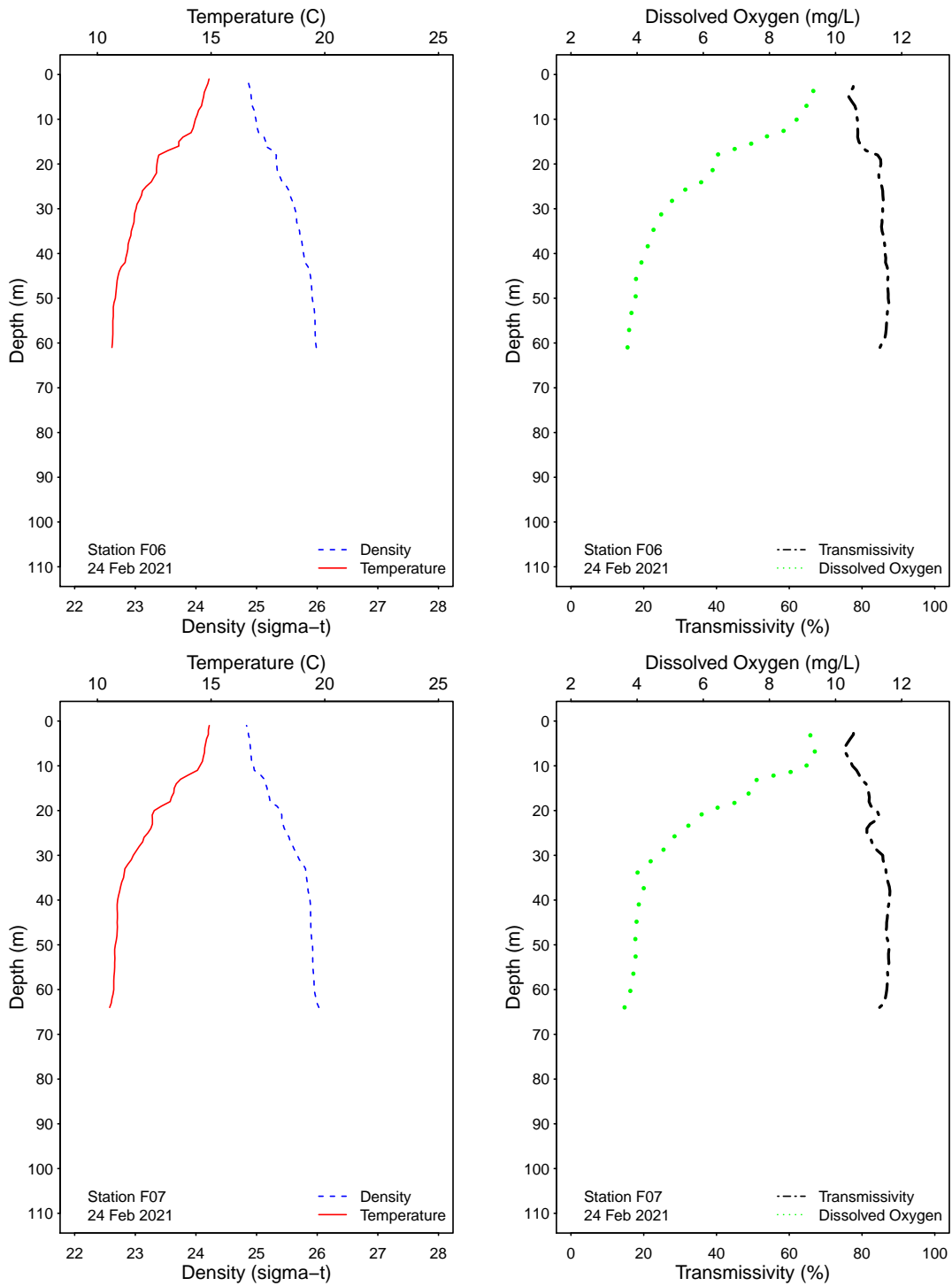


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

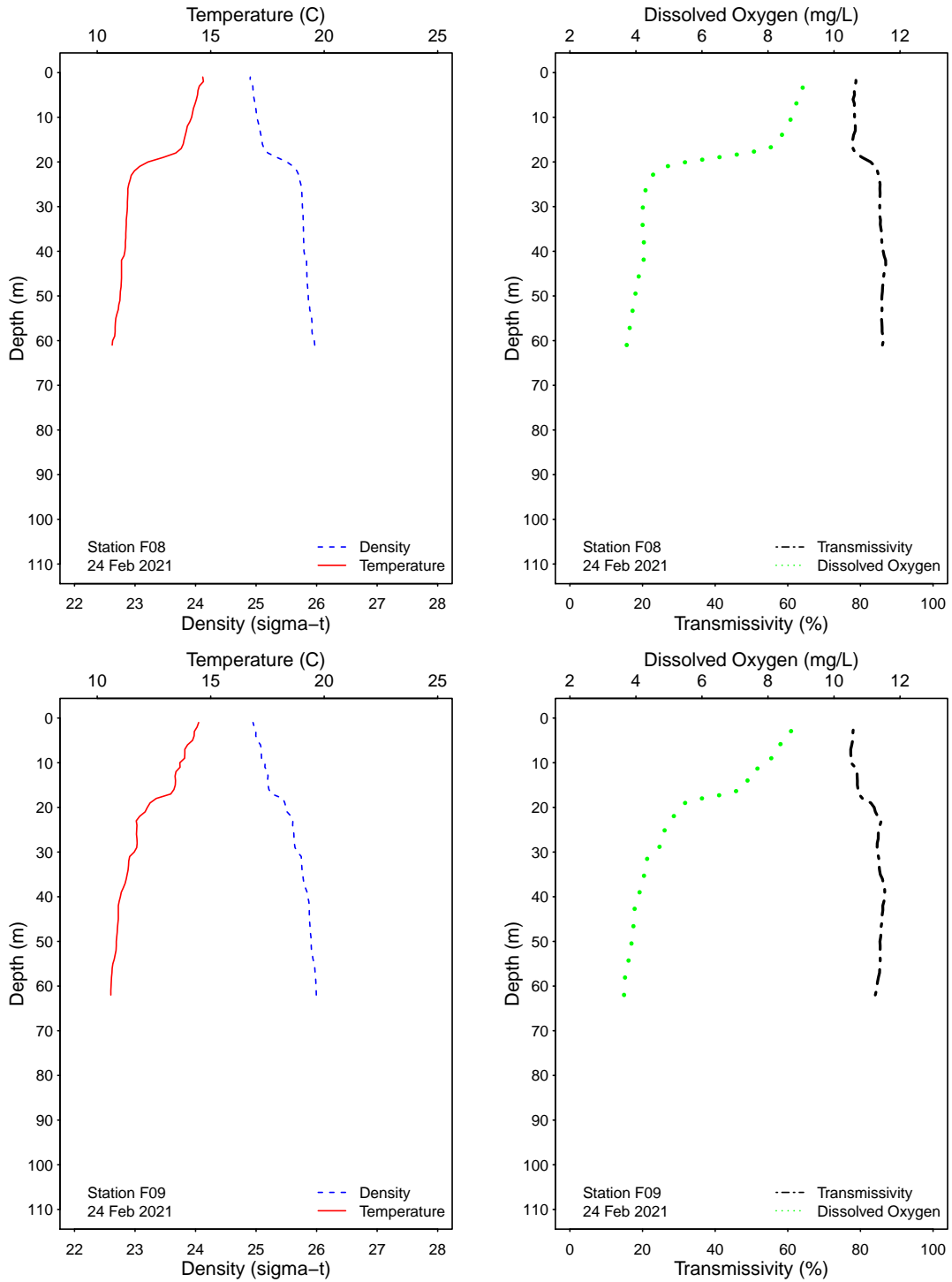


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

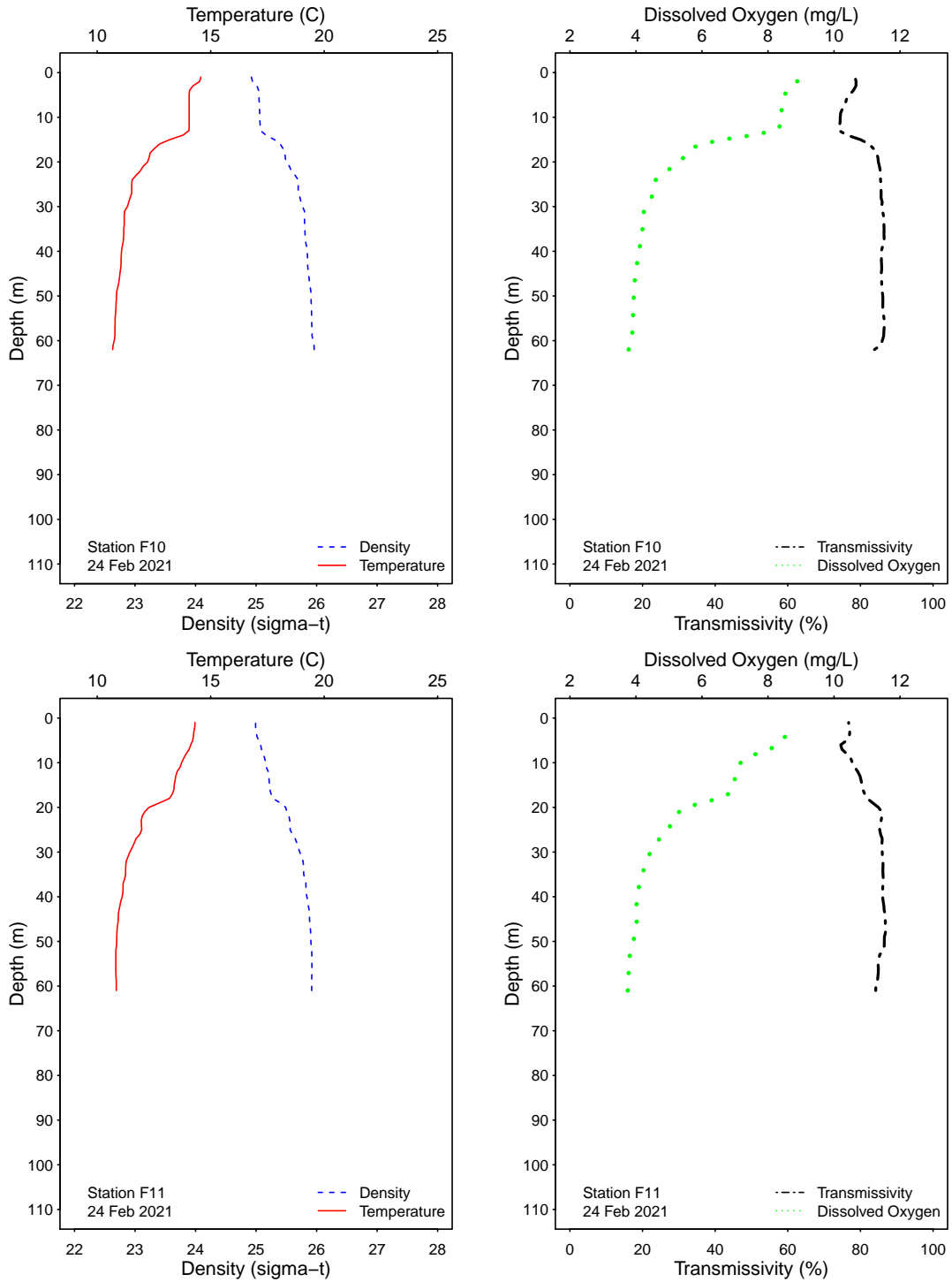


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

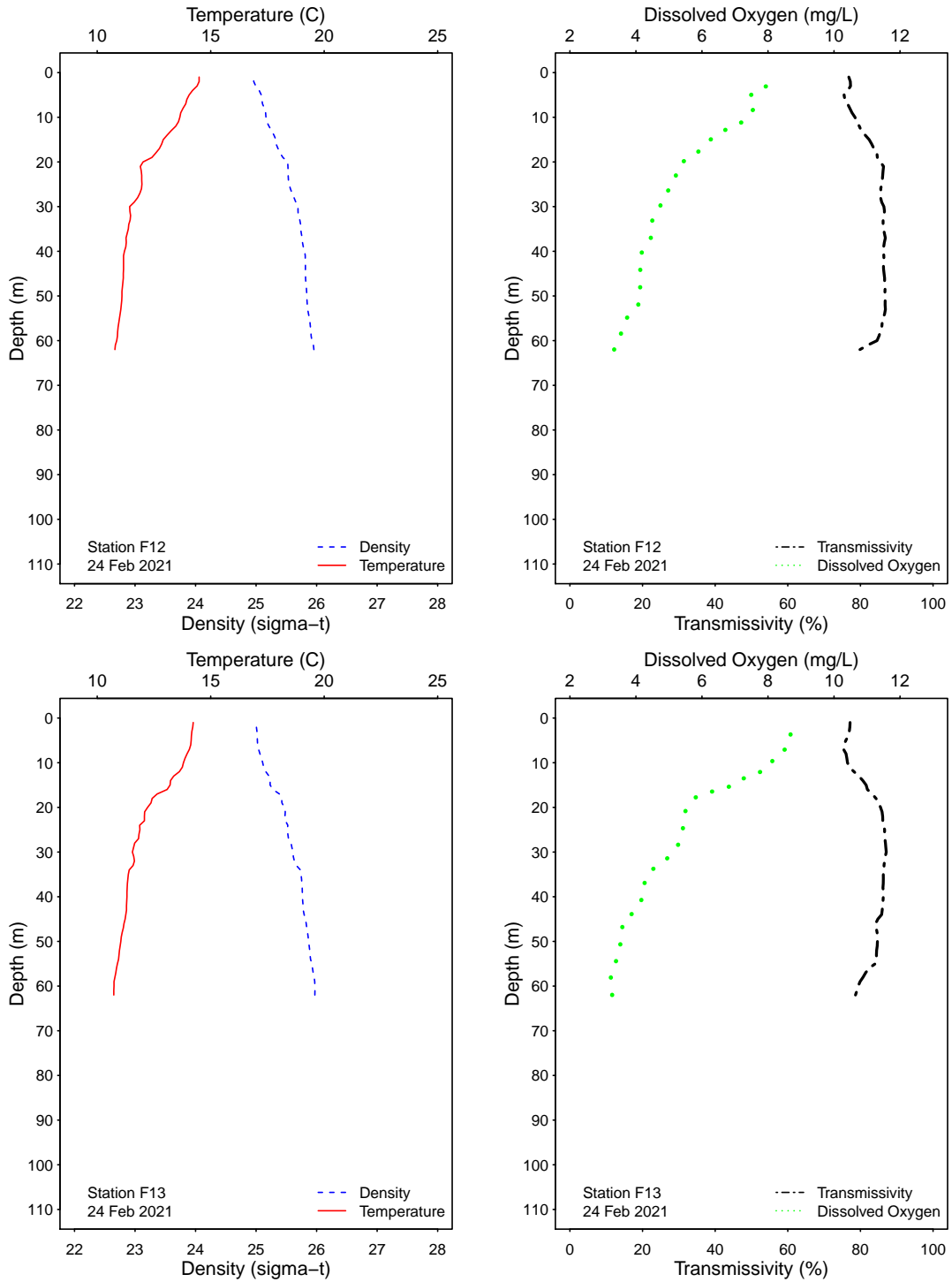


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

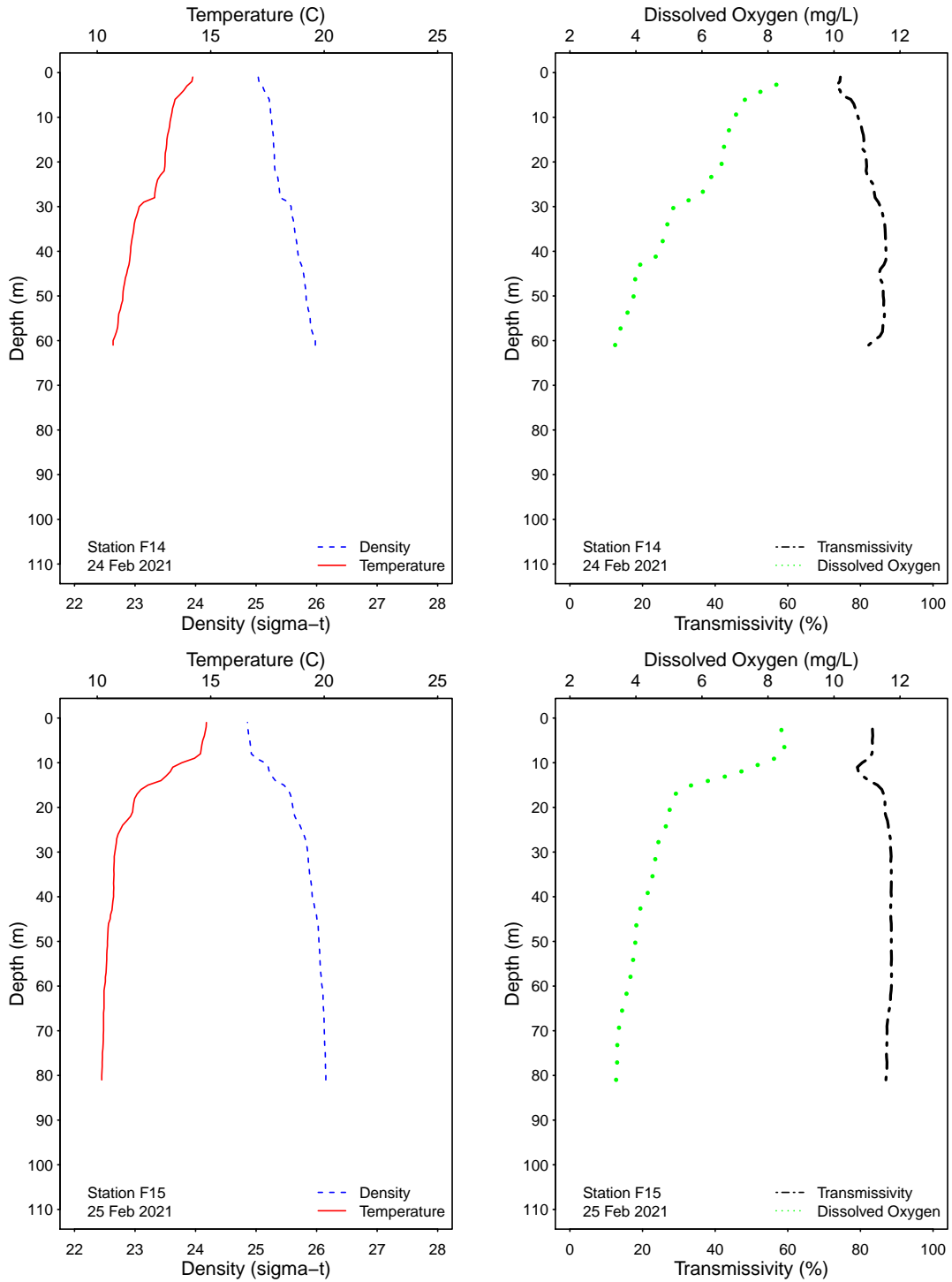


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

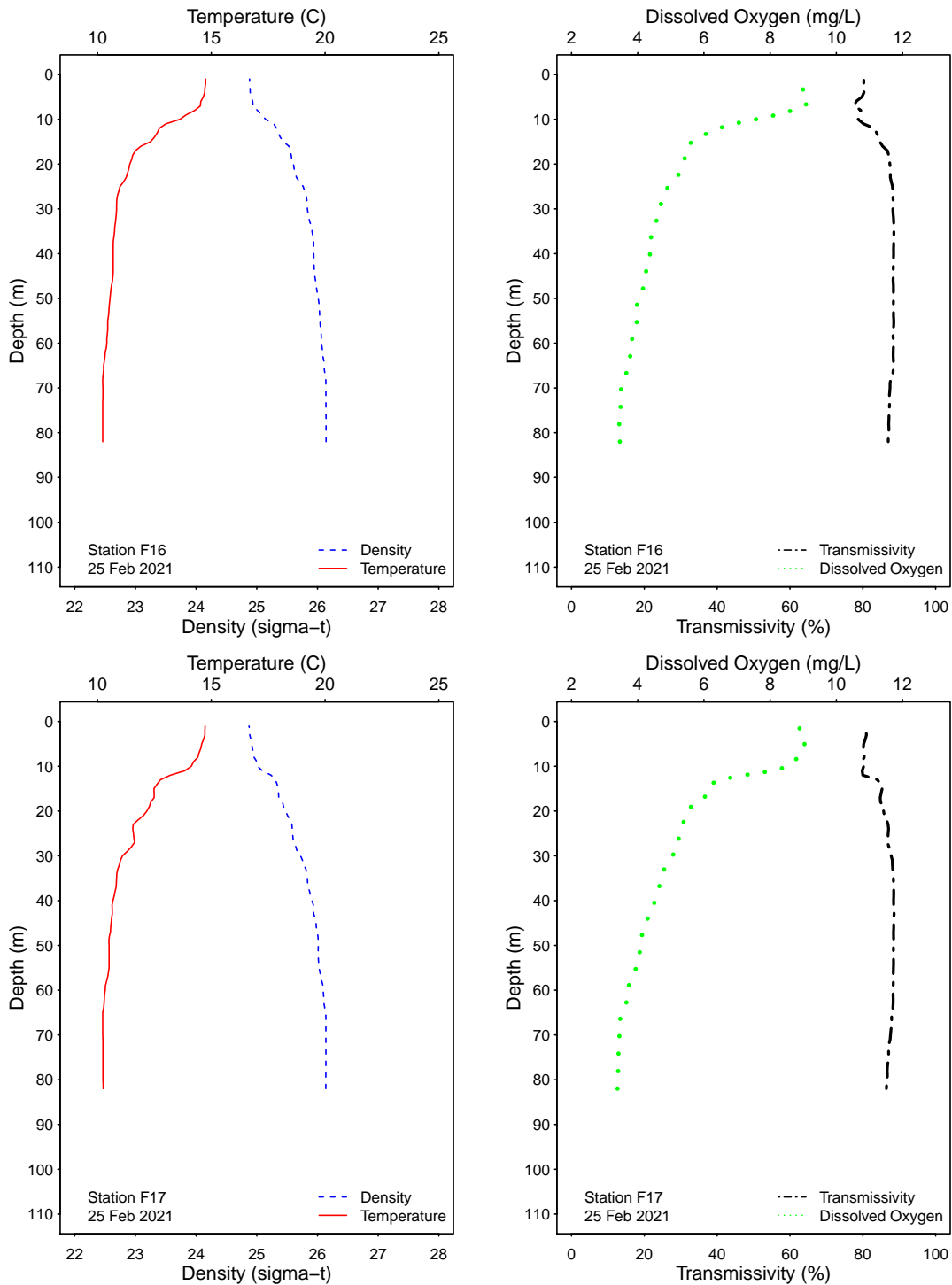


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

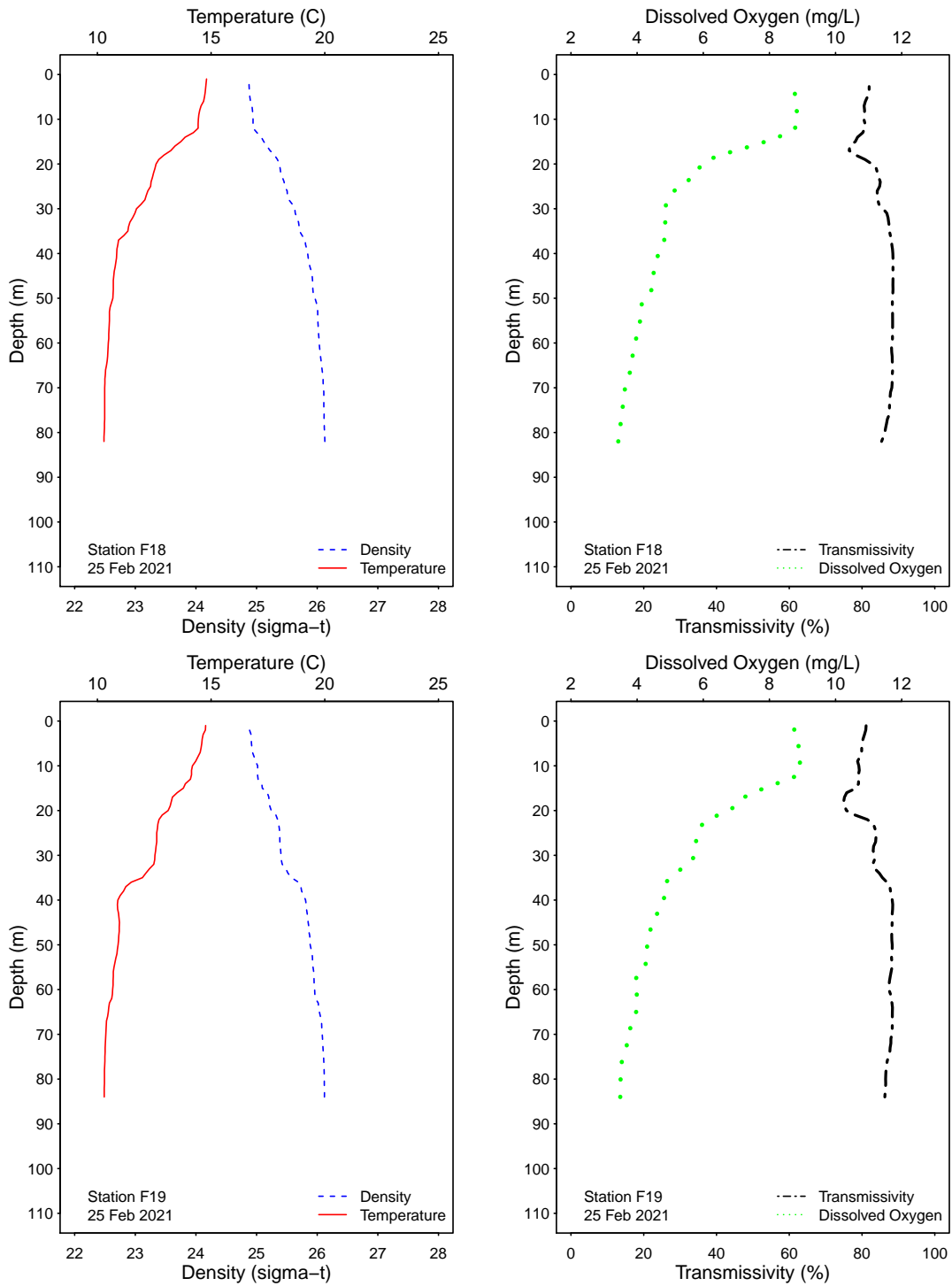


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

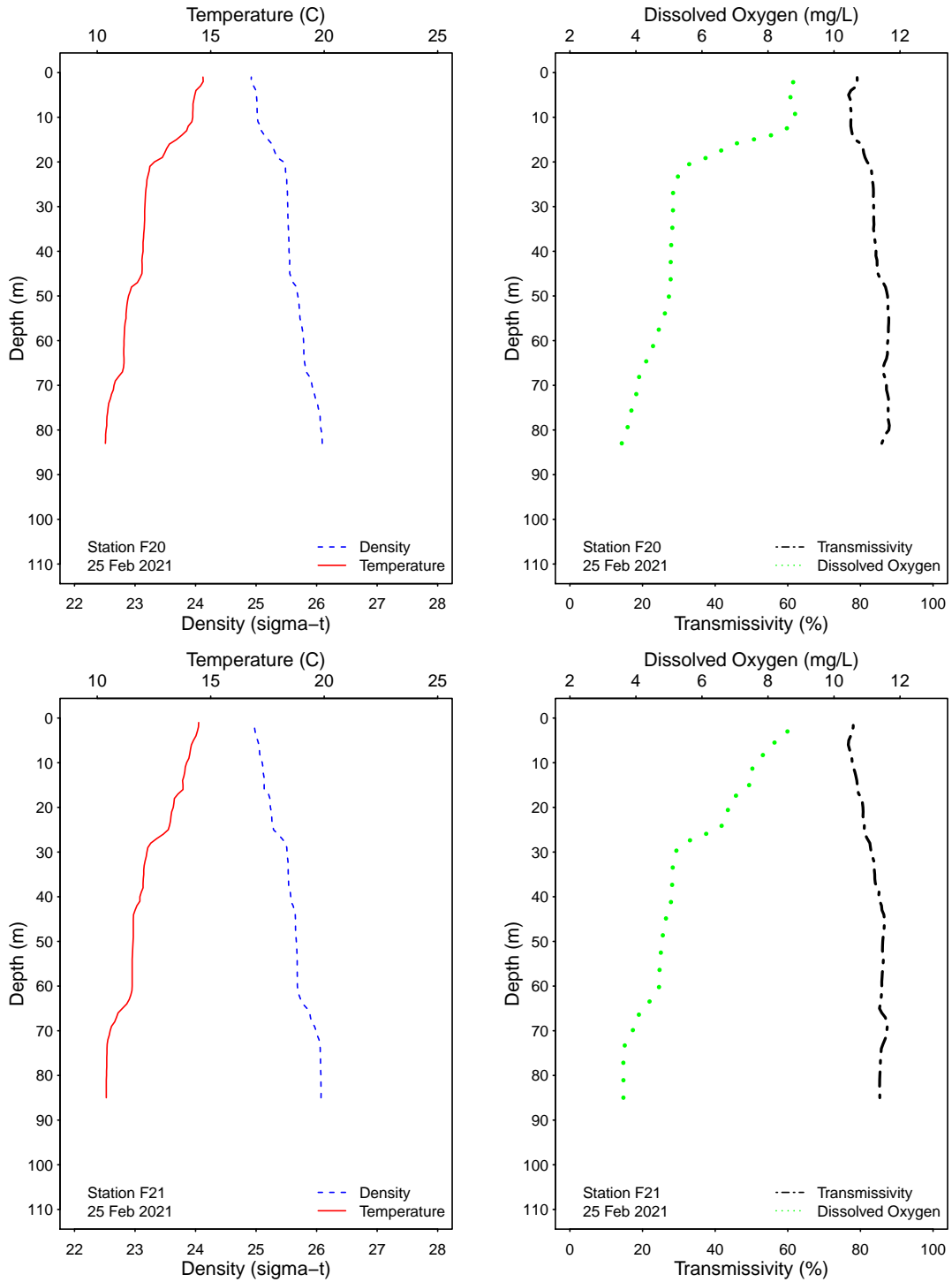


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



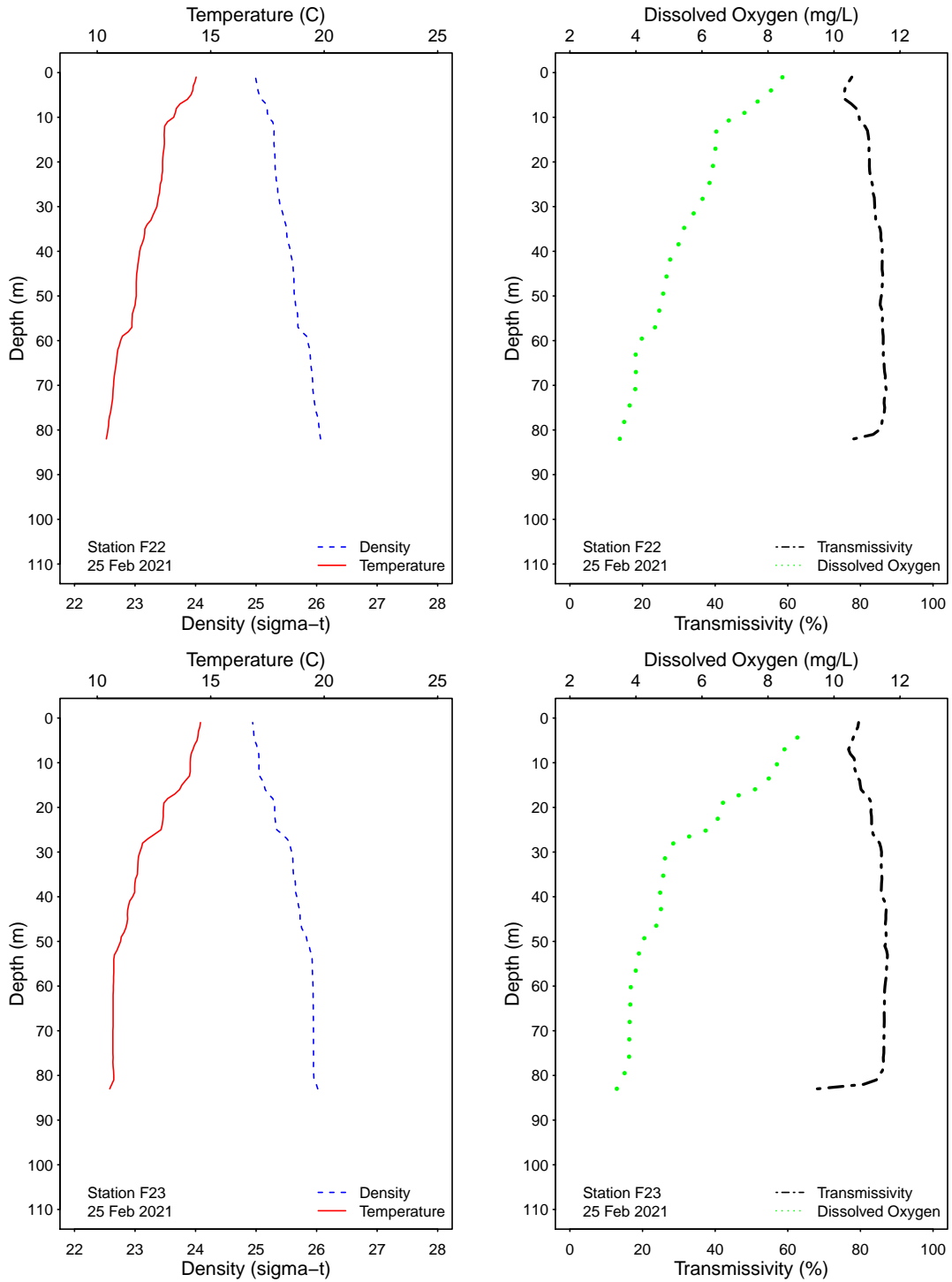


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

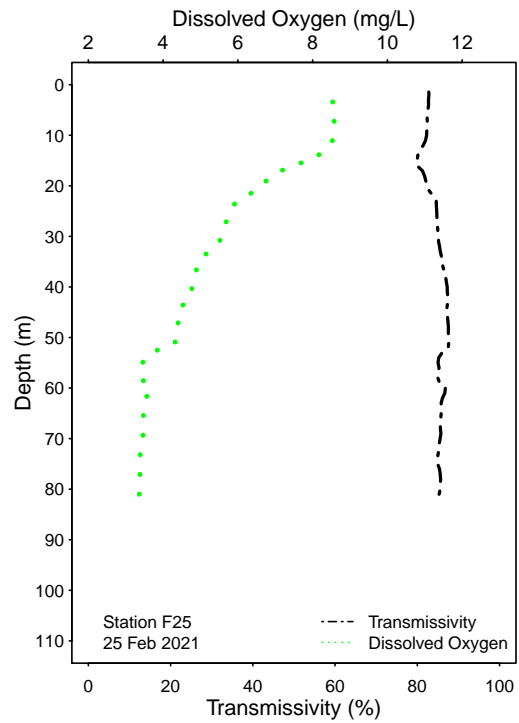
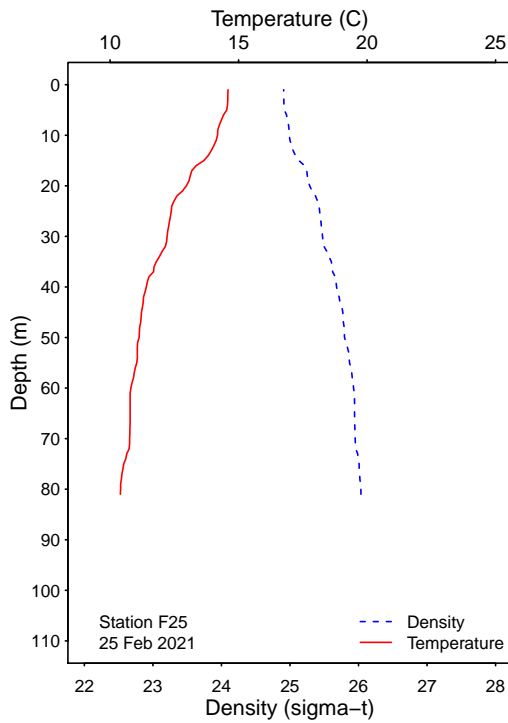
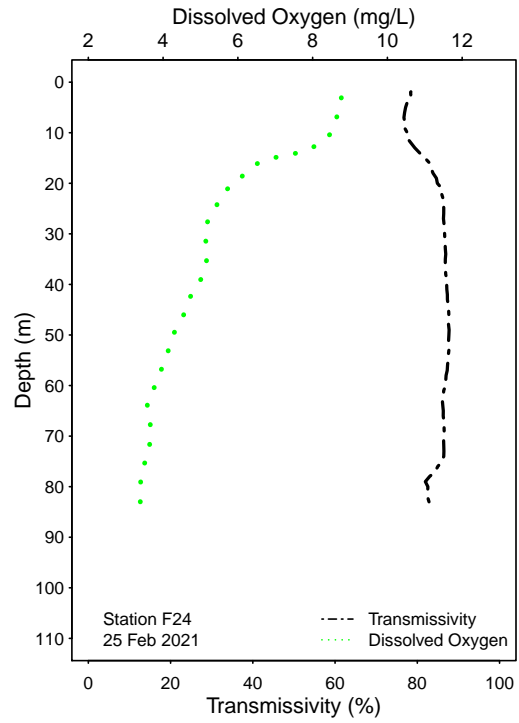
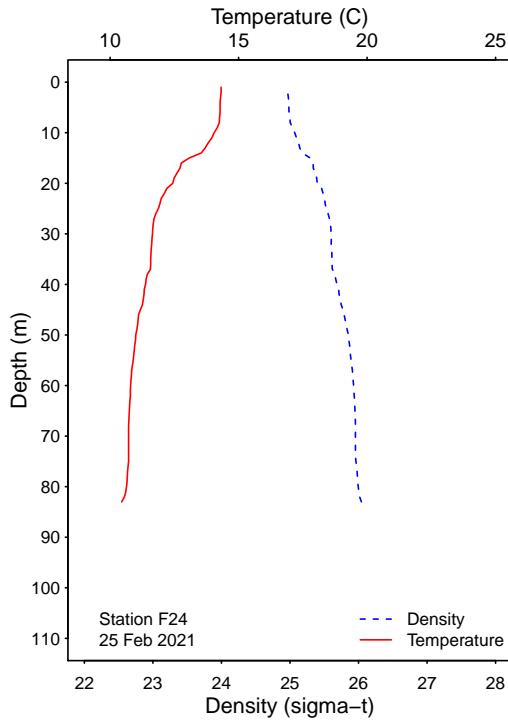


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

**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* (Enteroc) are reported as CFU/100 mL.

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enteroc
A7	01 Feb 2021	18	AE	LAB DUPLICATE	<20	<2	2e
A7	08 Feb 2021	18	AR	LAB DUPLICATE	2e	<2	<2
A7	18 Feb 2021	18	BS	LAB DUPLICATE	20e	10e	<2
A7	22 Feb 2021	18	AR	LAB DUPLICATE	46	4e	4e
C7	01 Feb 2021	18	BS	LAB DUPLICATE	<200	<2	<2
C7	08 Feb 2021	18	AR	LAB DUPLICATE	2e	<2	<2
C7	18 Feb 2021	18	AE	LAB DUPLICATE	<20	2e	<2
C7	22 Feb 2021	18	AR	LAB DUPLICATE	44	6e	4e
C8	01 Feb 2021	12	BS	LAB DUPLICATE	<2	2e	<2
C8	08 Feb 2021	12	AR	LAB DUPLICATE	<2	<2	<2
C8	18 Feb 2021	12	AE	LAB DUPLICATE	<2	2e	2e
C8	22 Feb 2021	12	AR	LAB DUPLICATE	6e	<2	<2
D12	03 Feb 2021		AR	FIELD DUPLICATE	6e	<2	<2
D12	03 Feb 2021		AR	LAB DUPLICATE	<20	2e	<2
D12	10 Feb 2021		JF	FIELD DUPLICATE	<2	2e	4e
D12	10 Feb 2021		JF	LAB DUPLICATE	6e	<2	<2
D12	17 Feb 2021		BS	FIELD DUPLICATE	<20	6e	<2
D12	17 Feb 2021		BS	LAB DUPLICATE	<20	4e	<2
D12	24 Feb 2021		AE	FIELD DUPLICATE	2e	<2	<2
D12	24 Feb 2021		AE	LAB DUPLICATE	<2	<2	2e
F01	24 Feb 2021	12	AE	LAB DUPLICATE	ns	ns	<2
F02	24 Feb 2021	12	BS	LAB DUPLICATE	ns	ns	<2
F07	24 Feb 2021	60	JF	LAB DUPLICATE	ns	ns	24e
F08	24 Feb 2021	60	JF	LAB DUPLICATE	ns	ns	50
F11	24 Feb 2021	60	AR	LAB DUPLICATE	ns	ns	20e
F17	25 Feb 2021	80	JF	LAB DUPLICATE	ns	ns	<2
F18	25 Feb 2021	60	JF	LAB DUPLICATE	ns	ns	18e
F19	25 Feb 2021	60	AE	LAB DUPLICATE	ns	ns	26e
F20	25 Feb 2021	60	AE	LAB DUPLICATE	ns	ns	<2
F21	25 Feb 2021	80	AR	LAB DUPLICATE	ns	ns	26e
F28	23 Feb 2021	60	BS	LAB DUPLICATE	ns	ns	<2
F29	23 Feb 2021	60	JF	LAB DUPLICATE	ns	ns	<2
F30	23 Feb 2021	60	JF	LAB DUPLICATE	ns	ns	16e
F31	23 Feb 2021	80	AR	LAB DUPLICATE	ns	ns	<2
F32	23 Feb 2021	80	AR	LAB DUPLICATE	ns	ns	8e
F34	23 Feb 2021	60	AE	LAB DUPLICATE	ns	ns	2e

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-A	D8-B	D9	D10	D11	D12
01 Feb 2021	2	2	2	3	ns	3	8	6	4
02 Feb 2021	2	2	2	3	ns	3	8	6	4
03 Feb 2021	2	2	2	3	ns	3	11	5	4
04 Feb 2021	2	2	2	3	ns	3	11	5	4
05 Feb 2021	2	2	2	3	ns	3	11	5	4
06 Feb 2021	2	2	2	3	ns	3	11	5	4
07 Feb 2021	2	2	2	3	ns	3	11	5	4
08 Feb 2021	2	2	2	3	ns	3	11	5	4
09 Feb 2021	2	2	2	3	ns	3	11	5	4
10 Feb 2021	3	2	2	4	ns	3	11	5	4
11 Feb 2021	3	2	2	4	ns	3	11	5	4
12 Feb 2021	3	2	2	4	ns	3	11	5	4
13 Feb 2021	3	2	2	4	ns	3	11	5	4
14 Feb 2021	3	2	2	4	ns	3	11	5	4
15 Feb 2021	3	2	2	4	ns	3	11	5	4
16 Feb 2021	3	2	2	4	ns	3	11	5	4
17 Feb 2021	3	2	2	4	2*	3	10	4	4
18 Feb 2021	3	2	2	4	2*	3	10	4	4
19 Feb 2021	3	2	2	4	2*	3	10	4	4
20 Feb 2021	3	2	2	4	2*	3	10	4	4
21 Feb 2021	3	2	2	4	2*	3	10	4	4
22 Feb 2021	3	2	2	4	2*	3	10	4	4
23 Feb 2021	3	2	2	4	2*	3	10	4	4
24 Feb 2021	3	2	2	4	20*	4	7	5	3
25 Feb 2021	3	2	2	4	23*	4	7	5	3
26 Feb 2021	3	2	2	4	23*	4	7	5	3
27 Feb 2021	3	2	2	4	23*	4	7	5	3
28 Feb 2021	3	2	2	4	23*	4	7	5	3

\* 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-A	D8-B	D9	D10	D11	D12
February	IC	IC	IC	IC	E	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 Feb 2021	2	3	2	2	2	2	2	2
02 Feb 2021	2	3	2	2	2	2	2	2
03 Feb 2021	2	3	2	2	2	2	2	2
04 Feb 2021	2	3	2	2	2	2	2	2
05 Feb 2021	2	3	2	2	2	2	2	2
06 Feb 2021	2	3	2	2	2	2	2	2
07 Feb 2021	2	3	2	2	2	2	2	2
08 Feb 2021	2	3	2	2	2	2	2	2
09 Feb 2021	2	3	2	2	2	2	2	2
10 Feb 2021	2	3	2	2	2	2	2	2
11 Feb 2021	2	3	2	2	2	2	2	2
12 Feb 2021	2	3	2	2	2	2	2	2
13 Feb 2021	2	3	2	2	2	2	2	2
14 Feb 2021	2	3	2	2	2	2	2	2
15 Feb 2021	2	3	2	2	2	2	2	2
16 Feb 2021	2	3	2	2	2	2	2	2
17 Feb 2021	2	3	2	2	2	2	2	2
18 Feb 2021	2	3	2	2	2	2	2	2
19 Feb 2021	2	3	2	2	2	2	2	2
20 Feb 2021	2	3	2	2	2	2	2	2
21 Feb 2021	2	3	2	2	2	2	2	2
22 Feb 2021	2	2	2	2	2	2	2	2
23 Feb 2021	2	2	2	2	2	2	2	2
24 Feb 2021	2	2	2	2	2	2	2	2
25 Feb 2021	2	2	2	2	2	2	2	2
26 Feb 2021	2	2	2	2	2	2	2	2
27 Feb 2021	2	2	2	2	2	2	2	2
28 Feb 2021	2	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
February	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data



# Offshore Stations



### Table B.5

Summary of compliance with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria at the PLOO offshore stations within State jurisdictional waters. Values shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
February	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

