



POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

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

AUGUST 2021

Environmental Monitoring and Technical Services
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Public Utilities Department

Environmental Monitoring and Technical Services Division

September 30, 2021

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

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

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

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

Sincerely,

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

PV/rk

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

INTRODUCTION

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

MATERIALS AND METHODS

Shore Stations

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

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

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

Kelp Bed Stations

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

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

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

profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* are generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of ≥ 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, chromomorphic 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)¹. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the 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:

¹ Bordner, R., J. Winter, and P. Scarpino (eds.). (1978). Microbiological Methods for Monitoring the Environment: Water and Wastes, EPA Research and Development, EPA-600/8-78-017. 337 p.

- (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, 1987²) 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 exceed 30 cfu/100 ml, and a Statistical Threshold Value (STV) for *Enterococcus*, which shall not exceed 110 cfu/100 ml for more than 10% of samples per month (see Appendix B).

Shore Stations

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled on August 4, 11, 18, and 25.
- During August, one of the eight shore stations was out of compliance with 2015 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
 - The SSM for *Enterococcus* was exceeded in the sample collected from station D11.
- Nothing of sewage origin was observed at any of the shore stations.
- 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>).

2 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 August 2, 9, 17, 24, and 31.
- During August, 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 21.54°C. The difference between surface and bottom waters ranged from 3.16 to 8.14°C.
- Chlorophyll *a* concentrations ranged from 0.4 to 24.97 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on August 10, 11, and 12.
- During August, two of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum (SSM) standard for *Enterococcus*:
 - the SSM for *Enterococcus* was exceeded in the samples collected from 60 m or deeper at stations F19 and F20 on August 12.
- Of the remaining 21 offshore stations, nine had elevated densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL), as follows:
 - The SSM for *Enterococcus* was exceeded in the samples collected from stations F30-F33, on August 10th at 60 m or deeper, and F21-F25 on August 12th at depths of 60 m or deeper.
- During August, water column temperatures ranged from 10.39 to 22.26°C. The difference between surface and bottom waters ranged from 0 to 11.55°C.
- Chlorophyll *a* concentrations ranged from 0.12 to 7.75 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

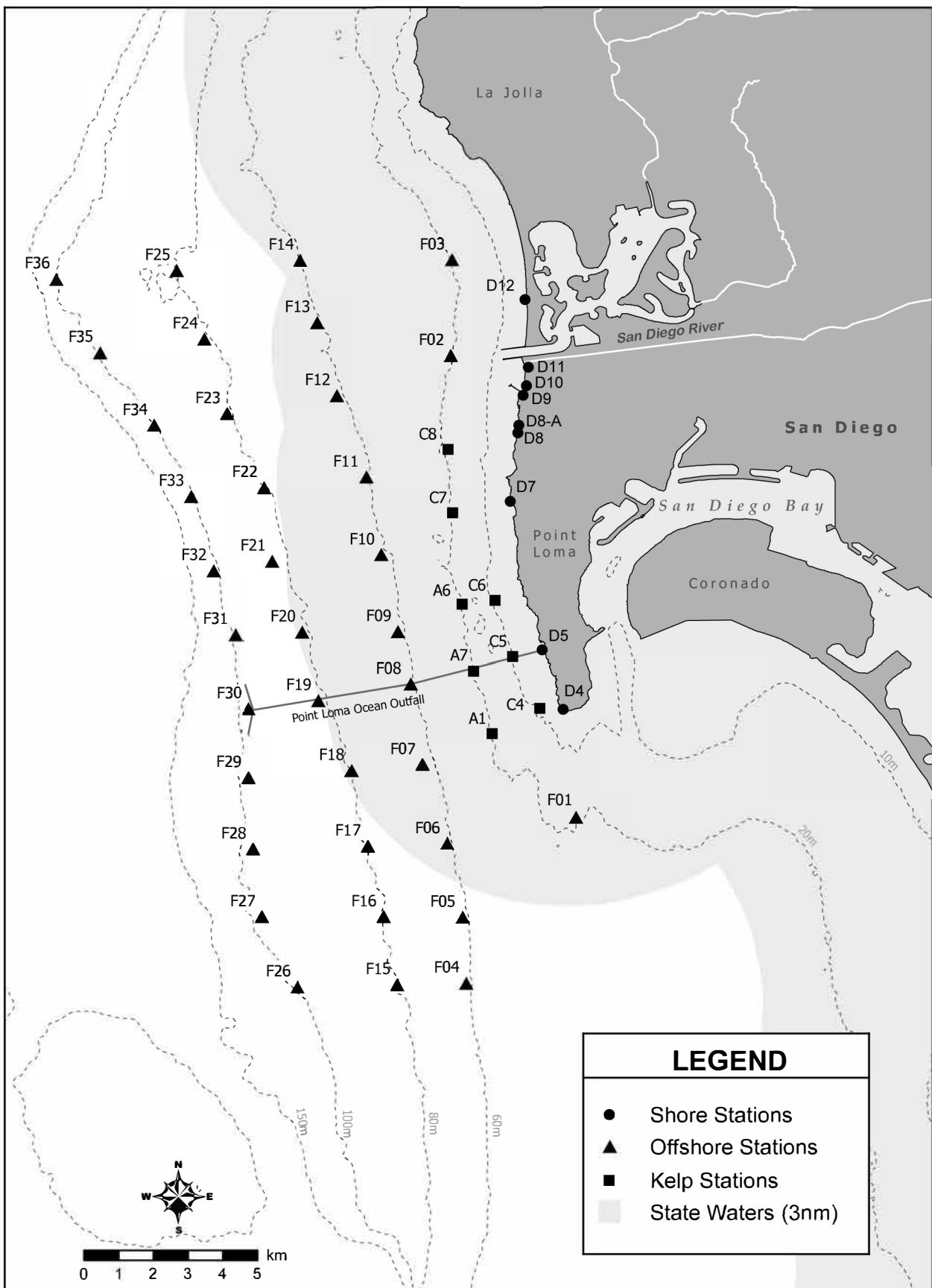


Figure 1.1 Station Map

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Shore Stations

Table 2.1

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Aug 2021	11	20	36	26	18	28	63	10
02 Aug 2021	11	20	36	26	18	28	63	10
03 Aug 2021	11	20	36	26	18	28	63	10
04 Aug 2021	8	20	32	29	18	33	62	7
05 Aug 2021	8	20	32	29	18	33	62	7
06 Aug 2021	6	20	36	31	18	26	85	6
07 Aug 2021	6	20	36	31	18	26	85	6
08 Aug 2021	6	20	36	31	18	26	85	6
09 Aug 2021	6	20	36	31	18	26	85	6
10 Aug 2021	6	20	36	31	18	26	85	6
11 Aug 2021	5	13	50	46	18	40	115	7
12 Aug 2021	5	13	50	46	18	40	115	7
13 Aug 2021	6	11	63	57	17	48	100	6
14 Aug 2021	6	11	63	57	17	48	100	6
15 Aug 2021	6	11	63	57	17	48	100	6
16 Aug 2021	6	11	63	57	17	48	100	6
17 Aug 2021	6	11	63	57	17	48	100	6
18 Aug 2021	5	8	50	46	18	46	90	8
19 Aug 2021	5	8	50	46	18	46	90	8
20 Aug 2021	4	6	63	57	19	57	132	11
21 Aug 2021	4	6	63	57	19	57	132	11
22 Aug 2021	4	6	63	57	19	57	132	11
23 Aug 2021	4	6	63	57	19	57	132	11
24 Aug 2021	4	6	63	57	19	57	132	11
25 Aug 2021	5	8	80	46	17	46	79	13
26 Aug 2021	5	8	80	46	17	46	79	13
27 Aug 2021	4	6	63	43	16	57	61	11
28 Aug 2021	4	6	63	43	16	57	61	11
29 Aug 2021	4	6	63	43	16	57	61	11
30 Aug 2021	4	6	63	43	16	57	61	11
31 Aug 2021	4	6	63	43	16	57	61	11

* Geometric mean calculated using n<5

ns = not sampled

Table 2.2

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

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

* Geometric mean calculated using n<5

ns = not sampled

Table 2.3

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

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

* Geometric mean calculated using n<5

ns = not sampled

Table 2.4

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.5

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.6

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2021	IC	IC	IC	IC	IC	IC	E	IC
13 Aug 2021	ns	ns	ns	ns	ns	ns	IC	ns
18 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2021	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.8

Summary of water quality parameters at the PLOO shore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Enter) 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	Enter	F:T
D4	04 Aug 2021	1048	2e	<2	<2	1.00
D4	11 Aug 2021	852	<2	<2	<2	1.00
D4	18 Aug 2021	1032	<2	4e	<2	2.00
D4	25 Aug 2021	1029	<20	<2	<2	0.10
D5	04 Aug 2021	1031	<20	<2	<2	0.10
D5	11 Aug 2021	828	<2	<2	<2	1.00
D5	18 Aug 2021	1021	<2	<2	<2	1.00
D5	25 Aug 2021	1051	<20	<2	<2	0.10
D7	04 Aug 2021	957	20e	<2	6e	0.10
D7	11 Aug 2021	930	<200	140e	48	0.70
D7	18 Aug 2021	955	<20	<2	2e	0.10
D7	25 Aug 2021	950	<200	8e	4e	0.04
D8-B	04 Aug 2021	928	40e	4e	<2	0.10
D8-B	11 Aug 2021	954	220e	36e	36e	0.16
D8-B	18 Aug 2021	942	20e	4e	2e	0.20
D8-B	25 Aug 2021	928	<20	<2	2e	0.10
D9	04 Aug 2021	922	<20	2e	2e	0.10
D9	11 Aug 2021	1006	18e	<2	2e	0.11
D9	18 Aug 2021	847	20e	2e	<2	0.10
D9	25 Aug 2021	916	10e	<2	<2	0.20
D10	04 Aug 2021	845	60e	4e	2e	0.07
D10	11 Aug 2021	1025	220e	80e	72	0.36
D10	18 Aug 2021	834	40e	4e	4e	0.10
D10	25 Aug 2021	900	20e	<2	2e	0.10
D11	04 Aug 2021	828	60e	12e	8e	0.20
D11	11 Aug 2021	1046	380e	46	120e	0.12
D11	13 Aug 2021	855	ns	ns	14e	ns
D11	18 Aug 2021	821	60e	6e	10e	0.10
D11	25 Aug 2021	846	10e	2e	<2	0.20
D12	04 Aug 2021	805	2e	<2	4e	1.00
D12	11 Aug 2021	1117	<20	2e	4e	0.10
D12	18 Aug 2021	803	<20	<2	<2	0.10
D12	25 Aug 2021	820	20e	4e	<2	0.20

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
D11	13 Aug 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	04 Aug 2021	Arrive Time	1048
D4	04 Aug 2021	Weather	Cloudy
D4	04 Aug 2021	Wind Speed (kts)	4.2
D4	04 Aug 2021	Wind Dir	NW
D4	04 Aug 2021	Animal Life	Bird-1
D4	04 Aug 2021	Floatables	None
D4	04 Aug 2021	Water Color	Green
D4	04 Aug 2021	Current Direction	S
D4	04 Aug 2021	Water Temp (C)	19.9
D4	04 Aug 2021	Wave Height Low (ft)	2
D4	04 Aug 2021	High Tide (ft)	4.26
D4	04 Aug 2021	High Tide Time	1058
D4	04 Aug 2021	Low Tide (ft)	-0.65
D4	04 Aug 2021	Low Tide Time	443
D4	04 Aug 2021	Comments	Water clear; Boater/Kayaker-1; Trash-0; Kelp; Seagrass; Algae
D4	11 Aug 2021	Arrive Time	852
D4	11 Aug 2021	Weather	Sunny
D4	11 Aug 2021	Wind Speed (kts)	6.5
D4	11 Aug 2021	Wind Dir	N
D4	11 Aug 2021	Animal Life	
D4	11 Aug 2021	Floatables	None
D4	11 Aug 2021	Water Color	Green
D4	11 Aug 2021	Current Direction	S
D4	11 Aug 2021	Water Temp (C)	21.1
D4	11 Aug 2021	Wave Height Low (ft)	1
D4	11 Aug 2021	High Tide (ft)	4.56
D4	11 Aug 2021	High Tide Time	1203
D4	11 Aug 2021	Low Tide (ft)	-0.22
D4	11 Aug 2021	Low Tide Time	546
D4	11 Aug 2021	Comments	Water clear; Boater/Kayaker-2; Trash-1; Seagrass; Algae
D4	18 Aug 2021	Arrive Time	1032
D4	18 Aug 2021	Weather	Cloudy
D4	18 Aug 2021	Wind Speed (kts)	6.6
D4	18 Aug 2021	Wind Dir	SW
D4	18 Aug 2021	Animal Life	Seagull-35;
D4	18 Aug 2021	Floatables	None
D4	18 Aug 2021	Water Color	Green
D4	18 Aug 2021	Current Direction	N
D4	18 Aug 2021	Water Temp (C)	22.2
D4	18 Aug 2021	Wave Height Low (ft)	2
D4	18 Aug 2021	High Tide (ft)	3.65
D4	18 Aug 2021	High Tide Time	754
D4	18 Aug 2021	Low Tide (ft)	-0.26
D4	18 Aug 2021	Low Tide Time	118
D4	18 Aug 2021	Comments	Water turbid; Surfer/Paddle boarder-5; Boater/Kayaker-5; Trash-1; Seagrass; Algae; Kelp
D4	25 Aug 2021	Arrive Time	1029
D4	25 Aug 2021	Weather	Sunny
D4	25 Aug 2021	Wind Speed (kts)	5.2
D4	25 Aug 2021	Wind Dir	NW
D4	25 Aug 2021	Animal Life	Bird-2; Pelican-1
D4	25 Aug 2021	Floatables	None

Station	Date	Parameter	Value
D4	25 Aug 2021	Water Color	Green
D4	25 Aug 2021	Current Direction	S
D4	25 Aug 2021	Water Temp (C)	21.7
D4	25 Aug 2021	Wave Height Low (ft)	3
D4	25 Aug 2021	High Tide (ft)	4.78
D4	25 Aug 2021	High Tide Time	1149
D4	25 Aug 2021	Low Tide (ft)	0.28
D4	25 Aug 2021	Low Tide Time	539
D4	25 Aug 2021	Comments	Water clear; Boater/Kayaker-2; Trash-1; Kelp; Seagrass; Algae
D5	04 Aug 2021	Arrive Time	1031
D5	04 Aug 2021	Weather	Cloudy
D5	04 Aug 2021	Wind Speed (kts)	2.2
D5	04 Aug 2021	Wind Dir	NW
D5	04 Aug 2021	Animal Life	Bird-1; Pelican-3
D5	04 Aug 2021	Floatables	None
D5	04 Aug 2021	Water Color	Green
D5	04 Aug 2021	Current Direction	N
D5	04 Aug 2021	Water Temp (C)	18.6
D5	04 Aug 2021	Wave Height Low (ft)	2
D5	04 Aug 2021	High Tide (ft)	4.26
D5	04 Aug 2021	High Tide Time	1058
D5	04 Aug 2021	Low Tide (ft)	-0.65
D5	04 Aug 2021	Low Tide Time	443
D5	04 Aug 2021	Comments	Kelp; Algae; Seagrass
D5	11 Aug 2021	Arrive Time	828
D5	11 Aug 2021	Weather	Partly cloudy
D5	11 Aug 2021	Wind Speed (kts)	5
D5	11 Aug 2021	Wind Dir	NW
D5	11 Aug 2021	Animal Life	Seagull-3
D5	11 Aug 2021	Floatables	None
D5	11 Aug 2021	Water Color	Green
D5	11 Aug 2021	Current Direction	S
D5	11 Aug 2021	Water Temp (C)	21.5
D5	11 Aug 2021	Wave Height Low (ft)	3
D5	11 Aug 2021	High Tide (ft)	4.56
D5	11 Aug 2021	High Tide Time	1203
D5	11 Aug 2021	Low Tide (ft)	-0.22
D5	11 Aug 2021	Low Tide Time	546
D5	11 Aug 2021	Comments	Algae
D5	18 Aug 2021	Arrive Time	1021
D5	18 Aug 2021	Weather	Cloudy
D5	18 Aug 2021	Wind Speed (kts)	2.5
D5	18 Aug 2021	Wind Dir	SW
D5	18 Aug 2021	Animal Life	Bird-1; Seagull-1;
D5	18 Aug 2021	Floatables	Foam
D5	18 Aug 2021	Water Color	Green
D5	18 Aug 2021	Current Direction	N
D5	18 Aug 2021	Water Temp (C)	22.6
D5	18 Aug 2021	Wave Height Low (ft)	2
D5	18 Aug 2021	High Tide (ft)	3.65
D5	18 Aug 2021	High Tide Time	754
D5	18 Aug 2021	Low Tide (ft)	-0.26
D5	18 Aug 2021	Low Tide Time	118
D5	18 Aug 2021	Comments	Kelp; Seagrass; Algae
D5	25 Aug 2021	Arrive Time	1051
D5	25 Aug 2021	Weather	Sunny

Station	Date	Parameter	Value
D5	25 Aug 2021	Wind Speed (kts)	5.3
D5	25 Aug 2021	Wind Dir	NW
D5	25 Aug 2021	Animal Life	
D5	25 Aug 2021	Floatables	Foam
D5	25 Aug 2021	Water Color	Green
D5	25 Aug 2021	Current Direction	S
D5	25 Aug 2021	Water Temp (C)	21.5
D5	25 Aug 2021	Wave Height Low (ft)	3
D5	25 Aug 2021	High Tide (ft)	4.78
D5	25 Aug 2021	High Tide Time	1149
D5	25 Aug 2021	Low Tide (ft)	0.28
D5	25 Aug 2021	Low Tide Time	539
D5	25 Aug 2021	Comments	Water clear; Boater/Kayaker-1; Trash-1; Kelp; Seagrass; Algae
D7	04 Aug 2021	Arrive Time	957
D7	04 Aug 2021	Weather	Cloudy
D7	04 Aug 2021	Wind Speed (kts)	0.8
D7	04 Aug 2021	Wind Dir	N
D7	04 Aug 2021	Animal Life	Pelican-5
D7	04 Aug 2021	Floatables	None
D7	04 Aug 2021	Water Color	Green
D7	04 Aug 2021	Current Direction	S
D7	04 Aug 2021	Water Temp (C)	18.8
D7	04 Aug 2021	Wave Height Low (ft)	3
D7	04 Aug 2021	High Tide (ft)	3.46
D7	04 Aug 2021	High Tide Time	843
D7	04 Aug 2021	Low Tide (ft)	0.29
D7	04 Aug 2021	Low Tide Time	207
D7	04 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-6; Trash-0; Algae; Seagrass; Kelp; Person/Walker/Jogger-2
D7	11 Aug 2021	Arrive Time	930
D7	11 Aug 2021	Weather	Sunny
D7	11 Aug 2021	Wind Speed (kts)	0
D7	11 Aug 2021	Wind Dir	
D7	11 Aug 2021	Animal Life	
D7	11 Aug 2021	Floatables	None
D7	11 Aug 2021	Water Color	Green
D7	11 Aug 2021	Current Direction	S
D7	11 Aug 2021	Water Temp (C)	22.1
D7	11 Aug 2021	Wave Height Low (ft)	2
D7	11 Aug 2021	High Tide (ft)	4.56
D7	11 Aug 2021	High Tide Time	1203
D7	11 Aug 2021	Low Tide (ft)	-0.22
D7	11 Aug 2021	Low Tide Time	546
D7	11 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-2; Trash-1; Kelp; Seagrass; Algae
D7	18 Aug 2021	Arrive Time	955
D7	18 Aug 2021	Weather	Cloudy
D7	18 Aug 2021	Wind Speed (kts)	1.3
D7	18 Aug 2021	Wind Dir	W
D7	18 Aug 2021	Animal Life	
D7	18 Aug 2021	Floatables	None
D7	18 Aug 2021	Water Color	Green
D7	18 Aug 2021	Current Direction	S
D7	18 Aug 2021	Water Temp (C)	22.7
D7	18 Aug 2021	Wave Height Low (ft)	3
D7	18 Aug 2021	High Tide (ft)	3.65
D7	18 Aug 2021	High Tide Time	754

Station	Date	Parameter	Value
D7	18 Aug 2021	Low Tide (ft)	-0.26
D7	18 Aug 2021	Low Tide Time	118
D7	18 Aug 2021	Comments	Water turbid; Surfer/Paddle boarder-17; Trash-1; Seagrass; Kelp; Algae; Person/Walker/Jogger-1
D7	25 Aug 2021	Arrive Time	950
D7	25 Aug 2021	Weather	Sunny
D7	25 Aug 2021	Wind Speed (kts)	0
D7	25 Aug 2021	Wind Dir	
D7	25 Aug 2021	Animal Life	Bird-1
D7	25 Aug 2021	Floatables	None
D7	25 Aug 2021	Water Color	Green
D7	25 Aug 2021	Current Direction	S
D7	25 Aug 2021	Water Temp (C)	21.5
D7	25 Aug 2021	Wave Height Low (ft)	3
D7	25 Aug 2021	High Tide (ft)	4.78
D7	25 Aug 2021	High Tide Time	1149
D7	25 Aug 2021	Low Tide (ft)	0.28
D7	25 Aug 2021	Low Tide Time	539
D7	25 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-6; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-7
D8-B	04 Aug 2021	Arrive Time	928
D8-B	04 Aug 2021	Weather	Cloudy
D8-B	04 Aug 2021	Wind Speed (kts)	0
D8-B	04 Aug 2021	Wind Dir	
D8-B	04 Aug 2021	Animal Life	Bird-2
D8-B	04 Aug 2021	Floatables	Foam
D8-B	04 Aug 2021	Water Color	Brown
D8-B	04 Aug 2021	Current Direction	N
D8-B	04 Aug 2021	Water Temp (C)	18.7
D8-B	04 Aug 2021	Wave Height Low (ft)	2
D8-B	04 Aug 2021	High Tide (ft)	3.46
D8-B	04 Aug 2021	High Tide Time	843
D8-B	04 Aug 2021	Low Tide (ft)	0.29
D8-B	04 Aug 2021	Low Tide Time	207
D8-B	04 Aug 2021	Comments	Algae; Seagrass; Kelp
D8-B	11 Aug 2021	Arrive Time	954
D8-B	11 Aug 2021	Weather	Sunny
D8-B	11 Aug 2021	Wind Speed (kts)	1.2
D8-B	11 Aug 2021	Wind Dir	W
D8-B	11 Aug 2021	Animal Life	
D8-B	11 Aug 2021	Floatables	Foam
D8-B	11 Aug 2021	Water Color	Green
D8-B	11 Aug 2021	Current Direction	S
D8-B	11 Aug 2021	Water Temp (C)	21.7
D8-B	11 Aug 2021	Wave Height Low (ft)	2
D8-B	11 Aug 2021	High Tide (ft)	4.56
D8-B	11 Aug 2021	High Tide Time	1203
D8-B	11 Aug 2021	Low Tide (ft)	-0.22
D8-B	11 Aug 2021	Low Tide Time	546
D8-B	11 Aug 2021	Comments	Kelp; Algae
D8-B	18 Aug 2021	Arrive Time	942
D8-B	18 Aug 2021	Weather	Cloudy
D8-B	18 Aug 2021	Wind Speed (kts)	3.8
D8-B	18 Aug 2021	Wind Dir	W
D8-B	18 Aug 2021	Animal Life	
D8-B	18 Aug 2021	Floatables	None
D8-B	18 Aug 2021	Water Color	Blue

Station	Date	Parameter	Value
D8-B	18 Aug 2021	Current Direction	S
D8-B	18 Aug 2021	Water Temp (C)	22.9
D8-B	18 Aug 2021	Wave Height Low (ft)	2
D8-B	18 Aug 2021	High Tide (ft)	3.65
D8-B	18 Aug 2021	High Tide Time	754
D8-B	18 Aug 2021	Low Tide (ft)	-0.26
D8-B	18 Aug 2021	Low Tide Time	118
D8-B	18 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-8; Trash-1; Seagrass; Kelp; Algae; Person/Walker/Jogger-2
D8-B	25 Aug 2021	Arrive Time	928
D8-B	25 Aug 2021	Weather	Sunny
D8-B	25 Aug 2021	Wind Speed (kts)	1
D8-B	25 Aug 2021	Wind Dir	W
D8-B	25 Aug 2021	Animal Life	Dog-1
D8-B	25 Aug 2021	Floatables	None
D8-B	25 Aug 2021	Water Color	Green
D8-B	25 Aug 2021	Current Direction	S
D8-B	25 Aug 2021	Water Temp (C)	20.3
D8-B	25 Aug 2021	Wave Height Low (ft)	2
D8-B	25 Aug 2021	High Tide (ft)	4.78
D8-B	25 Aug 2021	High Tide Time	1149
D8-B	25 Aug 2021	Low Tide (ft)	0.28
D8-B	25 Aug 2021	Low Tide Time	539
D8-B	25 Aug 2021	Comments	Water turbid; Boogie boarder/Swimmer-3; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-1
D9	04 Aug 2021	Arrive Time	922
D9	04 Aug 2021	Weather	Cloudy
D9	04 Aug 2021	Wind Speed (kts)	2.2
D9	04 Aug 2021	Wind Dir	W
D9	04 Aug 2021	Animal Life	
D9	04 Aug 2021	Floatables	None
D9	04 Aug 2021	Water Color	Green
D9	04 Aug 2021	Current Direction	N
D9	04 Aug 2021	Water Temp (C)	18.7
D9	04 Aug 2021	Wave Height Low (ft)	2
D9	04 Aug 2021	High Tide (ft)	3.46
D9	04 Aug 2021	High Tide Time	843
D9	04 Aug 2021	Low Tide (ft)	0.29
D9	04 Aug 2021	Low Tide Time	207
D9	04 Aug 2021	Comments	Water clear; Trash-0; Algae; Kelp; Person/Walker/Jogger-2
D9	11 Aug 2021	Arrive Time	1006
D9	11 Aug 2021	Weather	Sunny
D9	11 Aug 2021	Wind Speed (kts)	1.92
D9	11 Aug 2021	Wind Dir	SW
D9	11 Aug 2021	Animal Life	
D9	11 Aug 2021	Floatables	None
D9	11 Aug 2021	Water Color	Green
D9	11 Aug 2021	Current Direction	S
D9	11 Aug 2021	Water Temp (C)	21.5
D9	11 Aug 2021	Wave Height Low (ft)	2
D9	11 Aug 2021	High Tide (ft)	4.56
D9	11 Aug 2021	High Tide Time	1203
D9	11 Aug 2021	Low Tide (ft)	-0.22
D9	11 Aug 2021	Low Tide Time	546
D9	11 Aug 2021	Comments	Water clear; Trash-1; Kelp; Algae; Person/Walker/Jogger-2
D9	18 Aug 2021	Arrive Time	847
D9	18 Aug 2021	Weather	Cloudy

Station	Date	Parameter	Value
D9	18 Aug 2021	Wind Speed (kts)	7.3
D9	18 Aug 2021	Wind Dir	W
D9	18 Aug 2021	Animal Life	Seagull-1
D9	18 Aug 2021	Floatables	None
D9	18 Aug 2021	Water Color	Grey
D9	18 Aug 2021	Current Direction	S
D9	18 Aug 2021	Water Temp (C)	22.8
D9	18 Aug 2021	Wave Height Low (ft)	3
D9	18 Aug 2021	High Tide (ft)	3.65
D9	18 Aug 2021	High Tide Time	754
D9	18 Aug 2021	Low Tide (ft)	-0.26
D9	18 Aug 2021	Low Tide Time	118
D9	18 Aug 2021	Comments	Water turbid; Surfer/Paddle boarder-7; Trash-1; Algae; Person/Walker/Jogger-3
D9	25 Aug 2021	Arrive Time	916
D9	25 Aug 2021	Weather	Sunny
D9	25 Aug 2021	Wind Speed (kts)	2
D9	25 Aug 2021	Wind Dir	NW
D9	25 Aug 2021	Animal Life	Pelican-1
D9	25 Aug 2021	Floatables	None
D9	25 Aug 2021	Water Color	Green
D9	25 Aug 2021	Current Direction	S
D9	25 Aug 2021	Water Temp (C)	19.9
D9	25 Aug 2021	Wave Height Low (ft)	2
D9	25 Aug 2021	High Tide (ft)	4.78
D9	25 Aug 2021	High Tide Time	1149
D9	25 Aug 2021	Low Tide (ft)	0.28
D9	25 Aug 2021	Low Tide Time	539
D9	25 Aug 2021	Comments	Water clear; Trash-2; Kelp; Seagrass; Algae; Person/Walker/Jogger-2
D10	04 Aug 2021	Arrive Time	845
D10	04 Aug 2021	Weather	Cloudy
D10	04 Aug 2021	Wind Speed (kts)	1.6
D10	04 Aug 2021	Wind Dir	W
D10	04 Aug 2021	Animal Life	Bird-11
D10	04 Aug 2021	Floatables	None
D10	04 Aug 2021	Water Color	Green
D10	04 Aug 2021	Current Direction	N
D10	04 Aug 2021	Water Temp (C)	18.4
D10	04 Aug 2021	Wave Height Low (ft)	3
D10	04 Aug 2021	High Tide (ft)	3.46
D10	04 Aug 2021	High Tide Time	843
D10	04 Aug 2021	Low Tide (ft)	0.29
D10	04 Aug 2021	Low Tide Time	207
D10	04 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-24; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-20
D10	11 Aug 2021	Arrive Time	1025
D10	11 Aug 2021	Weather	Sunny
D10	11 Aug 2021	Wind Speed (kts)	3.1
D10	11 Aug 2021	Wind Dir	W
D10	11 Aug 2021	Animal Life	Bird-1; Seagull-1
D10	11 Aug 2021	Floatables	None
D10	11 Aug 2021	Water Color	Green
D10	11 Aug 2021	Current Direction	S
D10	11 Aug 2021	Water Temp (C)	22.2
D10	11 Aug 2021	Wave Height Low (ft)	2
D10	11 Aug 2021	High Tide (ft)	4.56
D10	11 Aug 2021	High Tide Time	1203

Station	Date	Parameter	Value
D10	11 Aug 2021	Low Tide (ft)	-0.22
D10	11 Aug 2021	Low Tide Time	546
D10	11 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-11; Surfer/Paddle boarder-16; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-41
D10	18 Aug 2021	Arrive Time	834
D10	18 Aug 2021	Weather	Cloudy
D10	18 Aug 2021	Wind Speed (kts)	1.7
D10	18 Aug 2021	Wind Dir	SW
D10	18 Aug 2021	Animal Life	Bird-12; Dog-2; Seagull-1
D10	18 Aug 2021	Floatables	None
D10	18 Aug 2021	Water Color	Green
D10	18 Aug 2021	Current Direction	N
D10	18 Aug 2021	Water Temp (C)	22.4
D10	18 Aug 2021	Wave Height Low (ft)	3
D10	18 Aug 2021	High Tide (ft)	3.65
D10	18 Aug 2021	High Tide Time	754
D10	18 Aug 2021	Low Tide (ft)	-0.26
D10	18 Aug 2021	Low Tide Time	118
D10	18 Aug 2021	Comments	Water turbid; Surfer/Paddle boarder-20; Trash-1; Seagrass; Kelp; Person/Walker/Jogger-15
D10	25 Aug 2021	Arrive Time	900
D10	25 Aug 2021	Weather	Sunny
D10	25 Aug 2021	Wind Speed (kts)	3.9
D10	25 Aug 2021	Wind Dir	NW
D10	25 Aug 2021	Animal Life	Bird-2
D10	25 Aug 2021	Floatables	None
D10	25 Aug 2021	Water Color	Green
D10	25 Aug 2021	Current Direction	S
D10	25 Aug 2021	Water Temp (C)	20.5
D10	25 Aug 2021	Wave Height Low (ft)	2
D10	25 Aug 2021	High Tide (ft)	4.78
D10	25 Aug 2021	High Tide Time	1149
D10	25 Aug 2021	Low Tide (ft)	0.28
D10	25 Aug 2021	Low Tide Time	539
D10	25 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-3; Surfer/Paddle boarder-4; Trash-1; Seagrass; Kelp; Person/Walker/Jogger-16
D11	04 Aug 2021	Arrive Time	828
D11	04 Aug 2021	Weather	Cloudy
D11	04 Aug 2021	Wind Speed (kts)	2.3
D11	04 Aug 2021	Wind Dir	W
D11	04 Aug 2021	Animal Life	Bird-12; Dog-3
D11	04 Aug 2021	Floatables	None
D11	04 Aug 2021	Water Color	Blue
D11	04 Aug 2021	Current Direction	S
D11	04 Aug 2021	Water Temp (C)	18.6
D11	04 Aug 2021	Wave Height Low (ft)	3
D11	04 Aug 2021	High Tide (ft)	3.46
D11	04 Aug 2021	High Tide Time	843
D11	04 Aug 2021	Low Tide (ft)	0.29
D11	04 Aug 2021	Low Tide Time	207
D11	04 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-1; Surfer/Paddle boarder-17; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-9
D11	11 Aug 2021	Arrive Time	1046
D11	11 Aug 2021	Weather	Sunny

Station	Date	Parameter	Value
D11	11 Aug 2021	Wind Speed (kts)	2
D11	11 Aug 2021	Wind Dir	W
D11	11 Aug 2021	Animal Life	Bird-8
D11	11 Aug 2021	Floatables	None
D11	11 Aug 2021	Water Color	Green
D11	11 Aug 2021	Current Direction	S
D11	11 Aug 2021	Water Temp (C)	22.4
D11	11 Aug 2021	Wave Height Low (ft)	1
D11	11 Aug 2021	High Tide (ft)	4.56
D11	11 Aug 2021	High Tide Time	1203
D11	11 Aug 2021	Low Tide (ft)	-0.22
D11	11 Aug 2021	Low Tide Time	546
D11	11 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-2; Surfer/Paddle boarder-16; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-14
D11	13 Aug 2021	Arrive Time	855
D11	13 Aug 2021	Weather	Hazy
D11	13 Aug 2021	Wind Speed (kts)	1
D11	13 Aug 2021	Wind Dir	W
D11	13 Aug 2021	Animal Life	Dog-2
D11	13 Aug 2021	Floatables	None
D11	13 Aug 2021	Water Color	Green
D11	13 Aug 2021	Current Direction	S
D11	13 Aug 2021	Water Temp (C)	22.6
D11	13 Aug 2021	Wave Height Low (ft)	2
D11	13 Aug 2021	High Tide (ft)	4.59
D11	13 Aug 2021	High Tide Time	24
D11	13 Aug 2021	Low Tide (ft)	0.73
D11	13 Aug 2021	Low Tide Time	653
D11	13 Aug 2021	Comments	Resample; Water clear; Surfer/Paddle boarder-6; Boater/Kayaker-1; Trash-1; Seagrass; Kelp; Algae; Person/Walker/Jogger-7
D11	18 Aug 2021	Arrive Time	821
D11	18 Aug 2021	Weather	Cloudy
D11	18 Aug 2021	Wind Speed (kts)	6.6
D11	18 Aug 2021	Wind Dir	SE
D11	18 Aug 2021	Animal Life	Dog-4; Seagull-2
D11	18 Aug 2021	Floatables	None
D11	18 Aug 2021	Water Color	Grey
D11	18 Aug 2021	Current Direction	N
D11	18 Aug 2021	Water Temp (C)	22.5
D11	18 Aug 2021	Wave Height Low (ft)	3
D11	18 Aug 2021	High Tide (ft)	3.65
D11	18 Aug 2021	High Tide Time	754
D11	18 Aug 2021	Low Tide (ft)	-0.26
D11	18 Aug 2021	Low Tide Time	118
D11	18 Aug 2021	Comments	Water turbid; Surfer/Paddle boarder-20; Trash-0; Seagrass; Kelp; Person/Walker/Jogger-8
D11	25 Aug 2021	Arrive Time	846
D11	25 Aug 2021	Weather	Sunny
D11	25 Aug 2021	Wind Speed (kts)	2.2
D11	25 Aug 2021	Wind Dir	NW
D11	25 Aug 2021	Animal Life	Bird-2; Dog-1
D11	25 Aug 2021	Floatables	None
D11	25 Aug 2021	Water Color	Green
D11	25 Aug 2021	Current Direction	S
D11	25 Aug 2021	Water Temp (C)	19.6
D11	25 Aug 2021	Wave Height Low (ft)	2

Station	Date	Parameter	Value
D11	25 Aug 2021	High Tide (ft)	4.78
D11	25 Aug 2021	High Tide Time	1149
D11	25 Aug 2021	Low Tide (ft)	0.28
D11	25 Aug 2021	Low Tide Time	539
D11	25 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-13; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-7
D12	04 Aug 2021	Arrive Time	805
D12	04 Aug 2021	Weather	Cloudy
D12	04 Aug 2021	Wind Speed (kts)	3.1
D12	04 Aug 2021	Wind Dir	NW
D12	04 Aug 2021	Animal Life	Bird-5
D12	04 Aug 2021	Floatables	Foam
D12	04 Aug 2021	Water Color	Blue
D12	04 Aug 2021	Current Direction	S
D12	04 Aug 2021	Water Temp (C)	20.8
D12	04 Aug 2021	Wave Height Low (ft)	2
D12	04 Aug 2021	High Tide (ft)	3.46
D12	04 Aug 2021	High Tide Time	843
D12	04 Aug 2021	Low Tide (ft)	0.29
D12	04 Aug 2021	Low Tide Time	207
D12	04 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-3; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-4
D12	11 Aug 2021	Arrive Time	1117
D12	11 Aug 2021	Weather	Partly cloudy
D12	11 Aug 2021	Wind Speed (kts)	5.1
D12	11 Aug 2021	Wind Dir	W
D12	11 Aug 2021	Animal Life	Bird-2; Seagull-1
D12	11 Aug 2021	Floatables	None
D12	11 Aug 2021	Water Color	Green
D12	11 Aug 2021	Current Direction	S
D12	11 Aug 2021	Water Temp (C)	22.9
D12	11 Aug 2021	Wave Height Low (ft)	2
D12	11 Aug 2021	High Tide (ft)	4.56
D12	11 Aug 2021	High Tide Time	1203
D12	11 Aug 2021	Low Tide (ft)	-0.22
D12	11 Aug 2021	Low Tide Time	546
D12	11 Aug 2021	Comments	Water clear; Boogie boarder/Swimmer-20; Surfer/Paddle boarder-3; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-55
D12	18 Aug 2021	Arrive Time	803
D12	18 Aug 2021	Weather	Cloudy
D12	18 Aug 2021	Wind Speed (kts)	2.9
D12	18 Aug 2021	Wind Dir	S
D12	18 Aug 2021	Animal Life	Bird-2; Seagull-16
D12	18 Aug 2021	Floatables	None
D12	18 Aug 2021	Water Color	Green
D12	18 Aug 2021	Current Direction	N
D12	18 Aug 2021	Water Temp (C)	24.3
D12	18 Aug 2021	Wave Height Low (ft)	3
D12	18 Aug 2021	High Tide (ft)	3.65
D12	18 Aug 2021	High Tide Time	754
D12	18 Aug 2021	Low Tide (ft)	-0.26
D12	18 Aug 2021	Low Tide Time	118
D12	18 Aug 2021	Comments	Water clear; Surfer/Paddle boarder-12; Trash-0; Kelp; Seagrass; Person/Walker/Jogger-6
D12	25 Aug 2021	Arrive Time	820
D12	25 Aug 2021	Weather	Sunny

Station	Date	Parameter	Value
D12	25 Aug 2021	Wind Speed (kts)	3.1
D12	25 Aug 2021	Wind Dir	NW
D12	25 Aug 2021	Animal Life	Dog-2; Seagull-1
D12	25 Aug 2021	Floatables	None
D12	25 Aug 2021	Water Color	Green
D12	25 Aug 2021	Current Direction	S
D12	25 Aug 2021	Water Temp (C)	20.9
D12	25 Aug 2021	Wave Height Low (ft)	2
D12	25 Aug 2021	High Tide (ft)	4.78
D12	25 Aug 2021	High Tide Time	1149
D12	25 Aug 2021	Low Tide (ft)	0.28
D12	25 Aug 2021	Low Tide Time	539
D12	25 Aug 2021	Comments	Water clear; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-12;

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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 Aug 2021	3	3	8	3	3	4	2	2
02 Aug 2021	3	4	6	3	3	3	2	3
03 Aug 2021	3	4	6	3	3	3	2	3
04 Aug 2021	3	4	6	3	3	3	2	3
05 Aug 2021	3	5	5	3	4	4	2	3
06 Aug 2021	3	5	5	3	4	4	2	3
07 Aug 2021	3	5	5	3	4	4	2	3
08 Aug 2021	3	5	5	3	4	4	2	3
09 Aug 2021	4	5	5	3	3	5	2	3
10 Aug 2021	4	5	5	3	3	5	2	3
11 Aug 2021	4	5	5	2	4	7	2	3
12 Aug 2021	4	5	5	2	4	7	2	3
13 Aug 2021	4	5	5	2	4	7	2	3
14 Aug 2021	4	5	5	2	4	7	2	3
15 Aug 2021	4	5	5	2	4	7	2	3
16 Aug 2021	4	5	5	2	4	7	2	3
17 Aug 2021	3	4	4	2	3	5	2	3
18 Aug 2021	3	4	4	2	3	5	2	3
19 Aug 2021	3	4	4	2	3	5	2	3
20 Aug 2021	4	5	3	2	3	5	2	2
21 Aug 2021	4	5	3	2	3	5	2	2
22 Aug 2021	4	5	3	2	3	5	2	2
23 Aug 2021	4	5	3	2	3	5	2	2
24 Aug 2021	3	4	3	3	3	5	2	3
25 Aug 2021	3	4	3	3	3	5	2	3
26 Aug 2021	3	4	3	3	3	5	2	3
27 Aug 2021	3	4	3	3	3	5	2	3
28 Aug 2021	3	4	3	3	3	5	2	3
29 Aug 2021	3	4	3	3	3	5	2	3
30 Aug 2021	3	4	3	3	3	5	2	3
31 Aug 2021	3	4	3	3	3	4	2	3

* 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 Aug 2021	2	2	3	2	2	2	2	2
02 Aug 2021	2	2	3	2	2	2	2	2
03 Aug 2021	2	2	3	2	2	2	2	2
04 Aug 2021	2	2	3	2	2	2	2	2
05 Aug 2021	2	2	2	2	2	2	2	2
06 Aug 2021	2	2	2	2	2	2	2	2
07 Aug 2021	2	2	2	2	2	2	2	2
08 Aug 2021	2	2	2	2	2	2	2	2
09 Aug 2021	2	2	2	2	2	2	2	2
10 Aug 2021	2	2	2	2	2	2	2	2
11 Aug 2021	2	2	2	2	2	2	2	2
12 Aug 2021	2	2	2	2	2	2	2	2
13 Aug 2021	2	2	2	2	2	2	2	2
14 Aug 2021	2	2	2	2	2	2	2	2
15 Aug 2021	2	2	2	2	2	2	2	2
16 Aug 2021	2	2	2	2	2	2	2	2
17 Aug 2021	2	2	2	2	2	2	2	2
18 Aug 2021	2	2	2	2	2	2	2	2
19 Aug 2021	2	2	2	2	2	2	2	2
20 Aug 2021	2	2	2	2	2	2	2	2
21 Aug 2021	2	2	2	2	2	2	2	2
22 Aug 2021	2	2	2	2	2	2	2	2
23 Aug 2021	2	2	2	2	2	2	2	2
24 Aug 2021	2	2	2	2	2	2	2	2
25 Aug 2021	2	2	2	2	2	2	2	2
26 Aug 2021	2	2	2	2	2	2	2	2
27 Aug 2021	2	2	2	2	2	2	2	2
28 Aug 2021	2	2	2	2	2	2	2	2
29 Aug 2021	2	2	2	2	2	2	2	2
30 Aug 2021	2	2	2	2	2	2	2	2
31 Aug 2021	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table 3.3

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

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

* Geometric mean calculated using n<5

Table 3.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Aug 2021	IC							
09 Aug 2021	IC							
17 Aug 2021	IC							
24 Aug 2021	IC							
31 Aug 2021	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Aug 2021	IC							
09 Aug 2021	IC							
17 Aug 2021	IC							
24 Aug 2021	IC							
31 Aug 2021	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Aug 2021	IC							
09 Aug 2021	IC							
17 Aug 2021	IC							
24 Aug 2021	IC							
31 Aug 2021	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.7

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Aug 2021	IC							
09 Aug 2021	IC							
17 Aug 2021	IC							
24 Aug 2021	IC							
31 Aug 2021	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* (Enter) 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	Enter	F:T	Temp	XMS	DO	Sal	pH
A1	02 Aug 2021	954	1	<2	2e	<2	1.0	16.3	72.98	8.2	33.61	8.1
A1	02 Aug 2021	954	12	<2	<2	<2	1.0	13.2	72.42	7.1	33.59	8.1
A1	02 Aug 2021	954	18	2e	<2	<2	1.0	11.7	87.30	5.3	33.66	7.9
A1	09 Aug 2021	740	1	<20	<2	<2	0.1	17.5	75.94	9.2	33.52	8.1
A1	09 Aug 2021	740	12	<20	2e	<2	0.1	15.0	67.96	9.0	33.56	8.1
A1	09 Aug 2021	740	18	4e	<2	<2	0.5	13.6	82.04	6.3	33.56	7.9
A1	17 Aug 2021	812	1	<2	<2	<2	1.0	20.9	79.65	8.4	33.52	8.1
A1	17 Aug 2021	812	12	<2	<2	<2	1.0	14.8	83.23	8.8	33.44	8.1
A1	17 Aug 2021	812	18	<2	<2	<2	1.0	14.2	82.72	8.0	33.51	8.0
A1	24 Aug 2021	808	1	<2	<2	<2	1.0	17.6	80.72	8.3	33.49	8.1
A1	24 Aug 2021	808	12	<2	<2	<2	1.0	12.7	84.36	6.4	33.61	7.9
A1	24 Aug 2021	808	18	<2	<2	<2	1.0	12.3	86.17	5.6	33.60	7.9
A1	31 Aug 2021	825	1	<2	<2	<2	1.0	18.3	74.35	7.6	33.70	8.0
A1	31 Aug 2021	825	12	<2	<2	<2	1.0	13.4	75.34	7.9	33.47	7.9
A1	31 Aug 2021	825	18	2e	<2	<2	1.0	12.5	84.51	5.7	33.59	7.8
A6	02 Aug 2021	1026	1	<2	<2	<2	1.0	14.6	81.79	8.6	33.43	8.2
A6	02 Aug 2021	1026	12	<2	<2	<2	1.0	12.7	75.88	7.2	33.64	8.1
A6	02 Aug 2021	1026	18	20e	<2	2e	0.1	11.7	86.83	5.3	33.66	7.9
A6	09 Aug 2021	806	1	<2	<2	<2	1.0	18.7	77.88	9.0	33.55	8.2
A6	09 Aug 2021	806	12	4e	2e	<2	0.5	14.1	81.78	7.3	33.62	8.0
A6	09 Aug 2021	806	18	<20	4e	<2	0.2	13.1	81.64	6.7	33.57	7.9
A6	17 Aug 2021	1003	1	<2	<2	<2	1.0	21.4	80.91	8.4	33.54	8.2
A6	17 Aug 2021	1003	12	2e	<2	<2	1.0	14.8	81.56	8.1	33.51	8.1
A6	17 Aug 2021	1003	18	4e	<2	<2	0.5	14.4	84.56	7.3	33.52	8.0
A6	24 Aug 2021	836	1	<2	<2	<2	1.0	17.6	79.32	7.9	33.71	8.1
A6	24 Aug 2021	836	12	<2	<2	<2	1.0	13.4	85.02	6.6	33.52	8.0
A6	24 Aug 2021	836	18	<2	<2	<2	1.0	12.8	85.46	6.3	33.52	7.9
A6	31 Aug 2021	856	1	<2	<2	<2	1.0	18.0	81.13	8.2	33.54	8.0
A6	31 Aug 2021	856	12	<2	<2	<2	1.0	13.6	79.31	8.0	33.44	8.0
A6	31 Aug 2021	856	18	<2	<2	<2	1.0	12.8	83.26	6.9	33.54	7.9
A7	02 Aug 2021	1007	1	<2	<2	<2	1.0	15.1	81.12	8.6	33.47	8.2
A7	02 Aug 2021	1007	12	2e	<2	<2	1.0	12.4	77.57	6.2	33.70	8.0
A7	02 Aug 2021	1007	18	<2	<2	<2	1.0	11.7	87.02	5.2	33.67	7.9
A7	09 Aug 2021	754	1	<20	<2	<2	0.1	18.5	77.66	9.2	33.47	8.2
A7	09 Aug 2021	754	12	<2	<2	<2	1.0	14.5	76.57	7.8	33.57	8.0
A7	09 Aug 2021	754	18	<2	<2	<2	1.0	14.1	79.09	7.3	33.55	8.0
A7	17 Aug 2021	952	1	<2	<2	<2	1.0	20.6	78.43	8.5	33.56	8.2
A7	17 Aug 2021	952	12	<2	2e	<2	1.0	14.7	82.38	8.1	33.50	8.1
A7	17 Aug 2021	952	18	2e	<2	<2	1.0	14.3	83.64	7.6	33.53	8.0

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
A7	24 Aug 2021	821	1	<2	<2	<2	1.0	17.3	77.88	7.9	33.51	8.1
A7	24 Aug 2021	821	12	<2	<2	<2	1.0	13.1	83.85	6.7	33.54	8.0
A7	24 Aug 2021	821	18	<2	<2	<2	1.0	12.4	86.56	5.7	33.57	7.9
A7	31 Aug 2021	838	1	2e	<2	<2	1.0	17.7	79.55	8.2	33.53	8.0
A7	31 Aug 2021	838	12	<2	<2	<2	1.0	13.4	78.72	7.5	33.50	8.0
A7	31 Aug 2021	838	18	<2	<2	<2	1.0	12.6	86.08	6.5	33.53	7.9
C4	02 Aug 2021	1134	1	<2	<2	<2	1.0	16.1	78.34	9.2	33.51	8.2
C4	02 Aug 2021	1134	3	<2	<2	<2	1.0	15.8	77.66	9.0	33.53	8.2
C4	02 Aug 2021	1134	9	<2	<2	<2	1.0	12.1	80.78	4.9	33.61	7.9
C4	09 Aug 2021	913	1	<2	<2	<2	1.0	18.8	72.40	8.4	33.62	8.1
C4	09 Aug 2021	913	3	2e	<2	<2	1.0	18.4	70.08	8.4	33.62	8.1
C4	09 Aug 2021	913	9	2e	<2	<2	1.0	15.5	74.47	8.5	33.62	8.1
C4	17 Aug 2021	1113	1	2e	<2	<2	1.0	20.4	78.00	8.2	33.52	8.2
C4	17 Aug 2021	1113	3	<2	<2	2e	1.0	20.0	78.27	8.0	33.62	8.2
C4	17 Aug 2021	1113	9	<2	2e	<2	1.0	15.1	71.92	6.4	33.59	8.0
C4	24 Aug 2021	945	1	<20	<2	<2	0.1	18.7	79.35	7.4	33.54	8.1
C4	24 Aug 2021	945	3	<20	<2	<2	0.1	16.8	78.36	7.5	33.64	8.1
C4	24 Aug 2021	945	9	<2	<2	<2	1.0	14.2	82.21	6.6	33.55	8.0
C4	31 Aug 2021	1024	1	<2	<2	<2	1.0	17.9	73.54	8.0	33.56	8.0
C4	31 Aug 2021	1024	3	<2	<2	<2	1.0	16.9	71.82	8.0	33.62	8.0
C4	31 Aug 2021	1024	9	<2	<2	<2	1.0	13.6	79.03	6.8	33.48	7.9
C5	02 Aug 2021	1125	1	<2	<2	<2	1.0	16.1	80.35	9.0	33.50	8.2
C5	02 Aug 2021	1125	3	<20	<2	<2	0.1	15.3	78.97	8.9	33.52	8.2
C5	02 Aug 2021	1125	9	<2	<2	<2	1.0	12.1	84.51	5.5	33.61	8.0
C5	09 Aug 2021	904	1	<2	<2	<2	1.0	19.0	79.73	9.0	33.46	8.2
C5	09 Aug 2021	904	3	<2	<2	<2	1.0	18.3	79.46	9.1	33.58	8.2
C5	09 Aug 2021	904	9	2e	<2	<2	1.0	16.4	78.89	8.2	33.58	8.1
C5	17 Aug 2021	1102	1	<2	<2	<2	1.0	20.9	79.66	8.3	33.53	8.2
C5	17 Aug 2021	1102	3	<2	<2	<2	1.0	20.3	79.84	8.3	33.58	8.2
C5	17 Aug 2021	1102	9	<2	<2	<2	1.0	14.4	82.91	7.3	33.56	8.0
C5	24 Aug 2021	932	1	<2	<2	<2	1.0	19.5	78.93	7.5	33.53	8.1
C5	24 Aug 2021	932	3	<2	<2	<2	1.0	16.8	78.62	7.3	33.71	8.1
C5	24 Aug 2021	932	9	<2	<2	<2	1.0	14.5	82.37	6.8	33.52	8.0
C5	31 Aug 2021	1007	1	<2	<2	<2	1.0	17.8	81.45	8.4	33.52	8.1
C5	31 Aug 2021	1007	3	<2	<2	<2	1.0	17.6	80.42	8.3	33.57	8.1
C5	31 Aug 2021	1007	9	<2	<2	<2	1.0	13.1	84.12	6.5	33.58	7.9
C6	02 Aug 2021	1114	1	<2	<2	<2	1.0	15.6	76.85	8.7	33.49	8.2
C6	02 Aug 2021	1114	3	<2	2e	<2	1.0	14.8	76.92	8.7	33.53	8.2
C6	02 Aug 2021	1114	9	<2	<2	<2	1.0	12.1	82.48	5.8	33.61	8.0
C6	09 Aug 2021	853	1	<2	<2	<2	1.0	19.6	81.28	8.9	33.55	8.2
C6	09 Aug 2021	853	3	<20	<2	<2	0.1	19.3	80.71	9.0	33.58	8.2
C6	09 Aug 2021	853	9	<20	2e	<2	0.1	15.5	77.81	8.1	33.77	8.1
C6	17 Aug 2021	1050	1	<2	<2	<2	1.0	21.2	79.03	8.3	33.53	8.2
C6	17 Aug 2021	1050	3	<2	<2	<2	1.0	20.3	78.44	8.2	33.69	8.2
C6	17 Aug 2021	1050	9	2e	<2	<2	1.0	14.9	77.90	7.4	33.54	8.0

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	Temp	XMS	DO	Sal	pH
C6	24 Aug 2021	921	1	<20	<2	<2	0.1	17.3	76.98	7.7	33.62	8.1
C6	24 Aug 2021	921	3	<2	<2	<2	1.0	16.0	73.69	7.8	33.54	8.1
C6	24 Aug 2021	921	9	<2	<2	<2	1.0	13.9	83.25	6.9	33.56	8.0
C6	31 Aug 2021	955	1	<2	<2	<2	1.0	18.0	81.29	8.4	33.59	8.1
C6	31 Aug 2021	955	3	<2	<2	<2	1.0	16.3	80.13	8.6	33.73	8.1
C6	31 Aug 2021	955	9	<2	<2	<2	1.0	13.1	81.18	6.9	33.60	7.9
C7	02 Aug 2021	1040	1	<2	<2	<2	1.0	15.6	78.98	8.6	33.49	8.2
C7	02 Aug 2021	1040	12	2e	<2	<2	1.0	11.9	81.49	5.7	33.59	8.0
C7	02 Aug 2021	1040	18	2e	2e	<2	1.0	11.6	87.14	5.2	33.64	7.9
C7	09 Aug 2021	819	1	<2	<2	<2	1.0	20.1	81.05	8.3	33.51	8.2
C7	09 Aug 2021	819	12	<2	<2	<2	1.0	14.6	78.99	7.7	33.56	8.0
C7	09 Aug 2021	819	18	2e	2e	<2	1.0	13.6	83.87	6.7	33.56	7.9
C7	17 Aug 2021	1018	1	2e	<2	<2	1.0	21.5	79.70	8.4	33.53	8.2
C7	17 Aug 2021	1018	12	2e	<2	<2	1.0	16.1	81.22	9.1	33.48	8.1
C7	17 Aug 2021	1018	18	4e	<2	<2	0.5	14.2	79.76	8.1	33.63	8.1
C7	24 Aug 2021	849	1	<2	<2	<2	1.0	17.4	79.06	7.9	33.53	8.1
C7	24 Aug 2021	849	12	2e	<2	<2	1.0	13.6	81.52	7.0	33.49	8.0
C7	24 Aug 2021	849	18	2e	<2	<2	1.0	13.2	85.20	6.4	33.52	7.9
C7	31 Aug 2021	913	1	<2	<2	<2	1.0	17.8	81.84	8.2	33.53	8.1
C7	31 Aug 2021	913	12	<2	<2	<2	1.0	13.1	81.69	7.5	33.48	8.0
C7	31 Aug 2021	913	18	<2	2e	<2	1.0	12.4	86.08	5.9	33.58	7.8
C8	02 Aug 2021	1056	1	<2	<2	<2	1.0	15.4	82.09	8.8	33.45	8.2
C8	02 Aug 2021	1056	12	<2	<2	<2	1.0	12.3	81.96	6.7	33.54	8.0
C8	02 Aug 2021	1056	18	8e	<2	<2	0.2	11.7	86.20	5.4	33.62	8.0
C8	09 Aug 2021	832	1	<2	<2	<2	1.0	19.1	81.28	8.4	33.56	8.2
C8	09 Aug 2021	832	12	<2	<2	<2	1.0	14.5	79.14	8.2	33.56	8.1
C8	09 Aug 2021	832	18	<2	<2	<2	1.0	13.3	84.66	7.0	33.56	8.0
C8	17 Aug 2021	1030	1	<2	<2	<2	1.0	21.4	77.67	8.6	33.52	8.2
C8	17 Aug 2021	1030	12	<2	<2	<2	1.0	16.4	76.33	8.7	33.55	8.1
C8	17 Aug 2021	1030	18	<2	<2	<2	1.0	13.7	81.93	7.6	33.68	8.0
C8	24 Aug 2021	901	1	2e	<2	<2	1.0	18.3	76.14	7.9	33.52	8.1
C8	24 Aug 2021	901	12	2e	<2	<2	1.0	13.5	83.60	7.0	33.50	8.0
C8	24 Aug 2021	901	18	12e	<2	<2	0.2	12.6	86.33	6.1	33.55	7.9
C8	31 Aug 2021	926	1	<2	<2	<2	1.0	17.2	77.73	8.5	33.53	8.0
C8	31 Aug 2021	926	12	<2	<2	<2	1.0	12.8	81.42	7.8	33.44	8.0
C8	31 Aug 2021	926	18	<2	<2	<2	1.0	12.4	86.04	6.1	33.56	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	02 Aug 2021	Depth (m)	18
A1	02 Aug 2021	Arrive Time	954
A1	02 Aug 2021	Depart Time	956
A1	02 Aug 2021	Air Temp (C)	16.3
A1	02 Aug 2021	Weather	Fog
A1	02 Aug 2021	Visibility (mi)	0
A1	02 Aug 2021	Wind Speed (kts)	7.3
A1	02 Aug 2021	Wind Dir	N
A1	02 Aug 2021	Water Color	Green
A1	02 Aug 2021	Wave Ht Low (ft)	4
A1	02 Aug 2021	Wave Period (sec)	17
A1	02 Aug 2021	Sea State	Calm
A1	02 Aug 2021	High Tide (ft)	5.02
A1	02 Aug 2021	High Tide Time	1748
A1	02 Aug 2021	Low Tide (ft)	1.21
A1	02 Aug 2021	Low Tide Time	2354
A1	02 Aug 2021	Comments	none
A1	09 Aug 2021	Depth (m)	18
A1	09 Aug 2021	Arrive Time	740
A1	09 Aug 2021	Depart Time	746
A1	09 Aug 2021	Air Temp (C)	18.6
A1	09 Aug 2021	Weather	Haze
A1	09 Aug 2021	Visibility (mi)	7
A1	09 Aug 2021	Wind Speed (kts)	5.6
A1	09 Aug 2021	Wind Dir	SW
A1	09 Aug 2021	Water Color	Greenish-Blue
A1	09 Aug 2021	Wave Ht Low (ft)	1
A1	09 Aug 2021	Wave Period (sec)	20
A1	09 Aug 2021	Sea State	Calm
A1	09 Aug 2021	High Tide (ft)	6.19
A1	09 Aug 2021	High Tide Time	2212
A1	09 Aug 2021	Low Tide (ft)	-0.52
A1	09 Aug 2021	Low Tide Time	442
A1	09 Aug 2021	Comments	Kelp; Kelp Debris
A1	17 Aug 2021	Depth (m)	17
A1	17 Aug 2021	Arrive Time	812
A1	17 Aug 2021	Depart Time	820
A1	17 Aug 2021	Air Temp (C)	21
A1	17 Aug 2021	Weather	Overcast
A1	17 Aug 2021	Visibility (mi)	3
A1	17 Aug 2021	Wind Speed (kts)	3.4
A1	17 Aug 2021	Wind Dir	S
A1	17 Aug 2021	Water Color	Blueish-Green
A1	17 Aug 2021	Wave Ht Low (ft)	2
A1	17 Aug 2021	Wave Period (sec)	12
A1	17 Aug 2021	Sea State	Calm
A1	17 Aug 2021	High Tide (ft)	5.87
A1	17 Aug 2021	High Tide Time	1736
A1	17 Aug 2021	Low Tide (ft)	0.3
A1	17 Aug 2021	Low Tide Time	2354
A1	17 Aug 2021	Comments	none
A1	24 Aug 2021	Depth (m)	18
A1	24 Aug 2021	Arrive Time	808

Station	Date	Parameter	Value
A1	24 Aug 2021	Depart Time	813
A1	24 Aug 2021	Air Temp (C)	18.9
A1	24 Aug 2021	Weather	Overcast
A1	24 Aug 2021	Visibility (mi)	5
A1	24 Aug 2021	Wind Speed (kts)	4
A1	24 Aug 2021	Wind Dir	W
A1	24 Aug 2021	Water Color	Blueish-Green
A1	24 Aug 2021	Wave Ht Low (ft)	3
A1	24 Aug 2021	Wave Period (sec)	13
A1	24 Aug 2021	Sea State	Light Chop
A1	24 Aug 2021	High Tide (ft)	5.46
A1	24 Aug 2021	High Tide Time	2306
A1	24 Aug 2021	Low Tide (ft)	-0.1
A1	24 Aug 2021	Low Tide Time	506
A1	24 Aug 2021	Comments	none
A1	31 Aug 2021	Depth (m)	18
A1	31 Aug 2021	Arrive Time	825
A1	31 Aug 2021	Depart Time	838
A1	31 Aug 2021	Air Temp (C)	18.6
A1	31 Aug 2021	Weather	Overcast
A1	31 Aug 2021	Visibility (mi)	5
A1	31 Aug 2021	Wind Speed (kts)	1.6
A1	31 Aug 2021	Wind Dir	S
A1	31 Aug 2021	Water Color	Blueish-Green
A1	31 Aug 2021	Wave Ht Low (ft)	3
A1	31 Aug 2021	Wave Period (sec)	15
A1	31 Aug 2021	Sea State	Wind Ripples
A1	31 Aug 2021	High Tide (ft)	4.67
A1	31 Aug 2021	High Tide Time	1700
A1	31 Aug 2021	Low Tide (ft)	1.03
A1	31 Aug 2021	Low Tide Time	2354
A1	31 Aug 2021	Comments	Kelp
A6	02 Aug 2021	Depth (m)	19
A6	02 Aug 2021	Arrive Time	1026
A6	02 Aug 2021	Depart Time	1028
A6	02 Aug 2021	Air Temp (C)	15.7
A6	02 Aug 2021	Weather	Partly Cloudy
A6	02 Aug 2021	Visibility (mi)	5
A6	02 Aug 2021	Wind Speed (kts)	6.4
A6	02 Aug 2021	Wind Dir	N
A6	02 Aug 2021	Water Color	Green
A6	02 Aug 2021	Wave Ht Low (ft)	4
A6	02 Aug 2021	Wave Period (sec)	17
A6	02 Aug 2021	Sea State	Calm
A6	02 Aug 2021	High Tide (ft)	5.02
A6	02 Aug 2021	High Tide Time	1748
A6	02 Aug 2021	Low Tide (ft)	1.21
A6	02 Aug 2021	Low Tide Time	2354
A6	02 Aug 2021	Comments	none
A6	09 Aug 2021	Depth (m)	18
A6	09 Aug 2021	Arrive Time	806
A6	09 Aug 2021	Depart Time	808
A6	09 Aug 2021	Air Temp (C)	19.2
A6	09 Aug 2021	Weather	Haze
A6	09 Aug 2021	Visibility (mi)	7
A6	09 Aug 2021	Wind Speed (kts)	0
A6	09 Aug 2021	Wind Dir	NW
A6	09 Aug 2021	Water Color	Greenish-Blue

Station	Date	Parameter	Value
A6	09 Aug 2021	Wave Ht Low (ft)	1
A6	09 Aug 2021	Wave Period (sec)	20
A6	09 Aug 2021	Sea State	Calm
A6	09 Aug 2021	High Tide (ft)	6.19
A6	09 Aug 2021	High Tide Time	2212
A6	09 Aug 2021	Low Tide (ft)	-0.52
A6	09 Aug 2021	Low Tide Time	442
A6	09 Aug 2021	Comments	Kelp; Kelp Debris
A6	17 Aug 2021	Depth (m)	17
A6	17 Aug 2021	Arrive Time	1003
A6	17 Aug 2021	Depart Time	1015
A6	17 Aug 2021	Air Temp (C)	20.8
A6	17 Aug 2021	Weather	Overcast
A6	17 Aug 2021	Visibility (mi)	3
A6	17 Aug 2021	Wind Speed (kts)	5.5
A6	17 Aug 2021	Wind Dir	N
A6	17 Aug 2021	Water Color	Blueish-Green
A6	17 Aug 2021	Wave Ht Low (ft)	2
A6	17 Aug 2021	Wave Period (sec)	12
A6	17 Aug 2021	Sea State	Calm
A6	17 Aug 2021	High Tide (ft)	5.87
A6	17 Aug 2021	High Tide Time	1736
A6	17 Aug 2021	Low Tide (ft)	0.3
A6	17 Aug 2021	Low Tide Time	2354
A6	17 Aug 2021	Comments	none
A6	24 Aug 2021	Depth (m)	18
A6	24 Aug 2021	Arrive Time	836
A6	24 Aug 2021	Depart Time	840
A6	24 Aug 2021	Air Temp (C)	19.2
A6	24 Aug 2021	Weather	Overcast
A6	24 Aug 2021	Visibility (mi)	5
A6	24 Aug 2021	Wind Speed (kts)	3.3
A6	24 Aug 2021	Wind Dir	N
A6	24 Aug 2021	Water Color	Blueish-Green
A6	24 Aug 2021	Wave Ht Low (ft)	3
A6	24 Aug 2021	Wave Period (sec)	13
A6	24 Aug 2021	Sea State	Calm
A6	24 Aug 2021	High Tide (ft)	5.46
A6	24 Aug 2021	High Tide Time	2306
A6	24 Aug 2021	Low Tide (ft)	-0.1
A6	24 Aug 2021	Low Tide Time	506
A6	24 Aug 2021	Comments	none
A6	31 Aug 2021	Depth (m)	18
A6	31 Aug 2021	Arrive Time	856
A6	31 Aug 2021	Depart Time	900
A6	31 Aug 2021	Air Temp (C)	18.8
A6	31 Aug 2021	Weather	Overcast
A6	31 Aug 2021	Visibility (mi)	5
A6	31 Aug 2021	Wind Speed (kts)	3.7
A6	31 Aug 2021	Wind Dir	SW
A6	31 Aug 2021	Water Color	Blueish-Green
A6	31 Aug 2021	Wave Ht Low (ft)	3
A6	31 Aug 2021	Wave Period (sec)	15
A6	31 Aug 2021	Sea State	Wind Ripples
A6	31 Aug 2021	High Tide (ft)	4.67
A6	31 Aug 2021	High Tide Time	1700
A6	31 Aug 2021	Low Tide (ft)	1.03
A6	31 Aug 2021	Low Tide Time	2354

Station	Date	Parameter	Value
A6	31 Aug 2021	Comments	Kelp; Kelp Debris
A7	02 Aug 2021	Depth (m)	18
A7	02 Aug 2021	Arrive Time	1007
A7	02 Aug 2021	Depart Time	1011
A7	02 Aug 2021	Air Temp (C)	15.8
A7	02 Aug 2021	Weather	Fog
A7	02 Aug 2021	Visibility (mi)	0
A7	02 Aug 2021	Wind Speed (kts)	3.9
A7	02 Aug 2021	Wind Dir	N
A7	02 Aug 2021	Water Color	Green
A7	02 Aug 2021	Wave Ht Low (ft)	4
A7	02 Aug 2021	Wave Period (sec)	17
A7	02 Aug 2021	Sea State	Calm
A7	02 Aug 2021	High Tide (ft)	5.02
A7	02 Aug 2021	High Tide Time	1748
A7	02 Aug 2021	Low Tide (ft)	1.21
A7	02 Aug 2021	Low Tide Time	2354
A7	02 Aug 2021	Comments	none
A7	09 Aug 2021	Depth (m)	19
A7	09 Aug 2021	Arrive Time	754
A7	09 Aug 2021	Depart Time	756
A7	09 Aug 2021	Air Temp (C)	19
A7	09 Aug 2021	Weather	Haze
A7	09 Aug 2021	Visibility (mi)	7
A7	09 Aug 2021	Wind Speed (kts)	1.2
A7	09 Aug 2021	Wind Dir	S
A7	09 Aug 2021	Water Color	Greenish-Blue
A7	09 Aug 2021	Wave Ht Low (ft)	1
A7	09 Aug 2021	Wave Period (sec)	20
A7	09 Aug 2021	Sea State	Calm
A7	09 Aug 2021	High Tide (ft)	6.19
A7	09 Aug 2021	High Tide Time	2212
A7	09 Aug 2021	Low Tide (ft)	-0.52
A7	09 Aug 2021	Low Tide Time	442
A7	09 Aug 2021	Comments	Kelp
A7	17 Aug 2021	Depth (m)	19
A7	17 Aug 2021	Arrive Time	952
A7	17 Aug 2021	Depart Time	958
A7	17 Aug 2021	Air Temp (C)	20.9
A7	17 Aug 2021	Weather	Overcast
A7	17 Aug 2021	Visibility (mi)	3
A7	17 Aug 2021	Wind Speed (kts)	0
A7	17 Aug 2021	Wind Dir	E
A7	17 Aug 2021	Water Color	Blueish-Green
A7	17 Aug 2021	Wave Ht Low (ft)	2
A7	17 Aug 2021	Wave Period (sec)	12
A7	17 Aug 2021	Sea State	Calm
A7	17 Aug 2021	High Tide (ft)	5.87
A7	17 Aug 2021	High Tide Time	1736
A7	17 Aug 2021	Low Tide (ft)	0.3
A7	17 Aug 2021	Low Tide Time	2354
A7	17 Aug 2021	Comments	none
A7	24 Aug 2021	Depth (m)	20
A7	24 Aug 2021	Arrive Time	821
A7	24 Aug 2021	Depart Time	826
A7	24 Aug 2021	Air Temp (C)	19.3
A7	24 Aug 2021	Weather	Overcast

Station	Date	Parameter	Value
A7	24 Aug 2021	Visibility (mi)	5
A7	24 Aug 2021	Wind Speed (kts)	6.7
A7	24 Aug 2021	Wind Dir	N
A7	24 Aug 2021	Water Color	Blueish-Green
A7	24 Aug 2021	Wave Ht Low (ft)	3
A7	24 Aug 2021	Wave Period (sec)	13
A7	24 Aug 2021	Sea State	Calm
A7	24 Aug 2021	High Tide (ft)	5.46
A7	24 Aug 2021	High Tide Time	2306
A7	24 Aug 2021	Low Tide (ft)	-0.1
A7	24 Aug 2021	Low Tide Time	506
A7	24 Aug 2021	Comments	none
A7	31 Aug 2021	Depth (m)	18
A7	31 Aug 2021	Arrive Time	838
A7	31 Aug 2021	Depart Time	850
A7	31 Aug 2021	Air Temp (C)	18.6
A7	31 Aug 2021	Weather	Overcast
A7	31 Aug 2021	Visibility (mi)	5
A7	31 Aug 2021	Wind Speed (kts)	2.5
A7	31 Aug 2021	Wind Dir	S
A7	31 Aug 2021	Water Color	Blueish-Green
A7	31 Aug 2021	Wave Ht Low (ft)	3
A7	31 Aug 2021	Wave Period (sec)	15
A7	31 Aug 2021	Sea State	Wind Ripples
A7	31 Aug 2021	High Tide (ft)	4.67
A7	31 Aug 2021	High Tide Time	1700
A7	31 Aug 2021	Low Tide (ft)	1.03
A7	31 Aug 2021	Low Tide Time	2354
A7	31 Aug 2021	Comments	Kelp
C4	02 Aug 2021	Depth (m)	10
C4	02 Aug 2021	Arrive Time	1134
C4	02 Aug 2021	Depart Time	1137
C4	02 Aug 2021	Air Temp (C)	16.4
C4	02 Aug 2021	Weather	Clear
C4	02 Aug 2021	Visibility (mi)	9
C4	02 Aug 2021	Wind Speed (kts)	8.2
C4	02 Aug 2021	Wind Dir	N
C4	02 Aug 2021	Water Color	Green
C4	02 Aug 2021	Wave Ht Low (ft)	4
C4	02 Aug 2021	Wave Period (sec)	17
C4	02 Aug 2021	Sea State	Calm
C4	02 Aug 2021	High Tide (ft)	5.02
C4	02 Aug 2021	High Tide Time	1748
C4	02 Aug 2021	Low Tide (ft)	1.21
C4	02 Aug 2021	Low Tide Time	2354
C4	02 Aug 2021	Comments	none
C4	09 Aug 2021	Depth (m)	11
C4	09 Aug 2021	Arrive Time	913
C4	09 Aug 2021	Depart Time	932
C4	09 Aug 2021	Air Temp (C)	18.9
C4	09 Aug 2021	Weather	Haze
C4	09 Aug 2021	Visibility (mi)	9
C4	09 Aug 2021	Wind Speed (kts)	1.4
C4	09 Aug 2021	Wind Dir	W
C4	09 Aug 2021	Water Color	Green
C4	09 Aug 2021	Wave Ht Low (ft)	1
C4	09 Aug 2021	Wave Period (sec)	20
C4	09 Aug 2021	Sea State	Calm

Station	Date	Parameter	Value
C4	09 Aug 2021	High Tide (ft)	6.19
C4	09 Aug 2021	High Tide Time	2212
C4	09 Aug 2021	Low Tide (ft)	-0.52
C4	09 Aug 2021	Low Tide Time	442
C4	09 Aug 2021	Comments	Kelp; Kelp Debris
C4	17 Aug 2021	Depth (m)	10
C4	17 Aug 2021	Arrive Time	1113
C4	17 Aug 2021	Depart Time	1117
C4	17 Aug 2021	Air Temp (C)	20.8
C4	17 Aug 2021	Weather	Overcast
C4	17 Aug 2021	Visibility (mi)	3
C4	17 Aug 2021	Wind Speed (kts)	11.5
C4	17 Aug 2021	Wind Dir	S
C4	17 Aug 2021	Water Color	Blueish-Green
C4	17 Aug 2021	Wave Ht Low (ft)	2
C4	17 Aug 2021	Wave Period (sec)	12
C4	17 Aug 2021	Sea State	Calm
C4	17 Aug 2021	High Tide (ft)	5.87
C4	17 Aug 2021	High Tide Time	1736
C4	17 Aug 2021	Low Tide (ft)	0.3
C4	17 Aug 2021	Low Tide Time	2354
C4	17 Aug 2021	Comments	none
C4	24 Aug 2021	Depth (m)	11
C4	24 Aug 2021	Arrive Time	945
C4	24 Aug 2021	Depart Time	950
C4	24 Aug 2021	Air Temp (C)	20
C4	24 Aug 2021	Weather	Overcast
C4	24 Aug 2021	Visibility (mi)	5
C4	24 Aug 2021	Wind Speed (kts)	7.4
C4	24 Aug 2021	Wind Dir	NW
C4	24 Aug 2021	Water Color	Blueish-Green
C4	24 Aug 2021	Wave Ht Low (ft)	3
C4	24 Aug 2021	Wave Period (sec)	13
C4	24 Aug 2021	Sea State	Light Chop
C4	24 Aug 2021	High Tide (ft)	5.46
C4	24 Aug 2021	High Tide Time	2306
C4	24 Aug 2021	Low Tide (ft)	-0.1
C4	24 Aug 2021	Low Tide Time	506
C4	24 Aug 2021	Comments	none
C4	31 Aug 2021	Depth (m)	10
C4	31 Aug 2021	Arrive Time	1024
C4	31 Aug 2021	Depart Time	1029
C4	31 Aug 2021	Air Temp (C)	18.9
C4	31 Aug 2021	Weather	Overcast
C4	31 Aug 2021	Visibility (mi)	5
C4	31 Aug 2021	Wind Speed (kts)	4.2
C4	31 Aug 2021	Wind Dir	S
C4	31 Aug 2021	Water Color	Green
C4	31 Aug 2021	Wave Ht Low (ft)	3
C4	31 Aug 2021	Wave Period (sec)	11
C4	31 Aug 2021	Sea State	Calm
C4	31 Aug 2021	High Tide (ft)	4.67
C4	31 Aug 2021	High Tide Time	1700
C4	31 Aug 2021	Low Tide (ft)	1.03
C4	31 Aug 2021	Low Tide Time	2354
C4	31 Aug 2021	Comments	Kelp; Kelp Debris
C5	02 Aug 2021	Depth (m)	10

Station	Date	Parameter	Value
C5	02 Aug 2021	Arrive Time	1125
C5	02 Aug 2021	Depart Time	1127
C5	02 Aug 2021	Air Temp (C)	16.2
C5	02 Aug 2021	Weather	Clear
C5	02 Aug 2021	Visibility (mi)	7
C5	02 Aug 2021	Wind Speed (kts)	10.3
C5	02 Aug 2021	Wind Dir	NW
C5	02 Aug 2021	Water Color	Green
C5	02 Aug 2021	Wave Ht Low (ft)	4
C5	02 Aug 2021	Wave Period (sec)	17
C5	02 Aug 2021	Sea State	Calm
C5	02 Aug 2021	High Tide (ft)	5.02
C5	02 Aug 2021	High Tide Time	1748
C5	02 Aug 2021	Low Tide (ft)	1.21
C5	02 Aug 2021	Low Tide Time	2354
C5	02 Aug 2021	Comments	none
C5	09 Aug 2021	Depth (m)	10
C5	09 Aug 2021	Arrive Time	904
C5	09 Aug 2021	Depart Time	906
C5	09 Aug 2021	Air Temp (C)	18.9
C5	09 Aug 2021	Weather	Haze
C5	09 Aug 2021	Visibility (mi)	9
C5	09 Aug 2021	Wind Speed (kts)	2
C5	09 Aug 2021	Wind Dir	SW
C5	09 Aug 2021	Water Color	Green
C5	09 Aug 2021	Wave Ht Low (ft)	1
C5	09 Aug 2021	Wave Period (sec)	20
C5	09 Aug 2021	Sea State	Calm
C5	09 Aug 2021	High Tide (ft)	6.19
C5	09 Aug 2021	High Tide Time	2212
C5	09 Aug 2021	Low Tide (ft)	-0.52
C5	09 Aug 2021	Low Tide Time	442
C5	09 Aug 2021	Comments	Kelp Debris; Seagrass
C5	17 Aug 2021	Depth (m)	10
C5	17 Aug 2021	Arrive Time	1102
C5	17 Aug 2021	Depart Time	1107
C5	17 Aug 2021	Air Temp (C)	20.8
C5	17 Aug 2021	Weather	Overcast
C5	17 Aug 2021	Visibility (mi)	3
C5	17 Aug 2021	Wind Speed (kts)	2.8
C5	17 Aug 2021	Wind Dir	SW
C5	17 Aug 2021	Water Color	Blueish-Green
C5	17 Aug 2021	Wave Ht Low (ft)	2
C5	17 Aug 2021	Wave Period (sec)	12
C5	17 Aug 2021	Sea State	Calm
C5	17 Aug 2021	High Tide (ft)	5.87
C5	17 Aug 2021	High Tide Time	1736
C5	17 Aug 2021	Low Tide (ft)	0.3
C5	17 Aug 2021	Low Tide Time	2354
C5	17 Aug 2021	Comments	none
C5	24 Aug 2021	Depth (m)	11
C5	24 Aug 2021	Arrive Time	932
C5	24 Aug 2021	Depart Time	938
C5	24 Aug 2021	Air Temp (C)	19.7
C5	24 Aug 2021	Weather	Overcast
C5	24 Aug 2021	Visibility (mi)	5
C5	24 Aug 2021	Wind Speed (kts)	7.2
C5	24 Aug 2021	Wind Dir	N

Station	Date	Parameter	Value
C5	24 Aug 2021	Water Color	Blueish-Green
C5	24 Aug 2021	Wave Ht Low (ft)	3
C5	24 Aug 2021	Wave Period (sec)	13
C5	24 Aug 2021	Sea State	Light Chop
C5	24 Aug 2021	High Tide (ft)	5.46
C5	24 Aug 2021	High Tide Time	2306
C5	24 Aug 2021	Low Tide (ft)	-0.1
C5	24 Aug 2021	Low Tide Time	506
C5	24 Aug 2021	Comments	none
C5	31 Aug 2021	Depth (m)	10
C5	31 Aug 2021	Arrive Time	1007
C5	31 Aug 2021	Depart Time	1017
C5	31 Aug 2021	Air Temp (C)	18.7
C5	31 Aug 2021	Weather	Overcast
C5	31 Aug 2021	Visibility (mi)	5
C5	31 Aug 2021	Wind Speed (kts)	4.2
C5	31 Aug 2021	Wind Dir	S
C5	31 Aug 2021	Water Color	Blueish-Green
C5	31 Aug 2021	Wave Ht Low (ft)	3
C5	31 Aug 2021	Wave Period (sec)	15
C5	31 Aug 2021	Sea State	Calm
C5	31 Aug 2021	High Tide (ft)	4.67
C5	31 Aug 2021	High Tide Time	1700
C5	31 Aug 2021	Low Tide (ft)	1.03
C5	31 Aug 2021	Low Tide Time	2354
C5	31 Aug 2021	Comments	Re-cast for salinity and CDOM spikes; Kelp; Kelp Debris
C6	02 Aug 2021	Depth (m)	9
C6	02 Aug 2021	Arrive Time	1114
C6	02 Aug 2021	Depart Time	1117
C6	02 Aug 2021	Air Temp (C)	16
C6	02 Aug 2021	Weather	Clear
C6	02 Aug 2021	Visibility (mi)	7
C6	02 Aug 2021	Wind Speed (kts)	6.7
C6	02 Aug 2021	Wind Dir	N
C6	02 Aug 2021	Water Color	Green
C6	02 Aug 2021	Wave Ht Low (ft)	4
C6	02 Aug 2021	Wave Period (sec)	17
C6	02 Aug 2021	Sea State	Calm
C6	02 Aug 2021	High Tide (ft)	5.02
C6	02 Aug 2021	High Tide Time	1748
C6	02 Aug 2021	Low Tide (ft)	1.21
C6	02 Aug 2021	Low Tide Time	2354
C6	02 Aug 2021	Comments	none
C6	09 Aug 2021	Depth (m)	9
C6	09 Aug 2021	Arrive Time	853
C6	09 Aug 2021	Depart Time	856
C6	09 Aug 2021	Air Temp (C)	19
C6	09 Aug 2021	Weather	Haze
C6	09 Aug 2021	Visibility (mi)	7
C6	09 Aug 2021	Wind Speed (kts)	1.8
C6	09 Aug 2021	Wind Dir	SW
C6	09 Aug 2021	Water Color	Greenish-Blue
C6	09 Aug 2021	Wave Ht Low (ft)	1
C6	09 Aug 2021	Wave Period (sec)	20
C6	09 Aug 2021	Sea State	Calm
C6	09 Aug 2021	High Tide (ft)	6.19
C6	09 Aug 2021	High Tide Time	2212
C6	09 Aug 2021	Low Tide (ft)	-0.52

Station	Date	Parameter	Value
C6	09 Aug 2021	Low Tide Time	442
C6	09 Aug 2021	Comments	Kelp Debris
C6	17 Aug 2021	Depth (m)	9
C6	17 Aug 2021	Arrive Time	1050
C6	17 Aug 2021	Depart Time	1055
C6	17 Aug 2021	Air Temp (C)	20.9
C6	17 Aug 2021	Weather	Overcast
C6	17 Aug 2021	Visibility (mi)	3
C6	17 Aug 2021	Wind Speed (kts)	9.6
C6	17 Aug 2021	Wind Dir	S
C6	17 Aug 2021	Water Color	Blueish-Green
C6	17 Aug 2021	Wave Ht Low (ft)	2
C6	17 Aug 2021	Wave Period (sec)	12
C6	17 Aug 2021	Sea State	Calm
C6	17 Aug 2021	High Tide (ft)	5.87
C6	17 Aug 2021	High Tide Time	1736
C6	17 Aug 2021	Low Tide (ft)	0.3
C6	17 Aug 2021	Low Tide Time	2354
C6	17 Aug 2021	Comments	none
C6	24 Aug 2021	Depth (m)	9
C6	24 Aug 2021	Arrive Time	921
C6	24 Aug 2021	Depart Time	925
C6	24 Aug 2021	Air Temp (C)	19.6
C6	24 Aug 2021	Weather	Overcast
C6	24 Aug 2021	Visibility (mi)	5
C6	24 Aug 2021	Wind Speed (kts)	7.3
C6	24 Aug 2021	Wind Dir	NW
C6	24 Aug 2021	Water Color	Blueish-Green
C6	24 Aug 2021	Wave Ht Low (ft)	3
C6	24 Aug 2021	Wave Period (sec)	13
C6	24 Aug 2021	Sea State	Light Chop
C6	24 Aug 2021	High Tide (ft)	5.46
C6	24 Aug 2021	High Tide Time	2306
C6	24 Aug 2021	Low Tide (ft)	-0.1
C6	24 Aug 2021	Low Tide Time	506
C6	24 Aug 2021	Comments	none
C6	31 Aug 2021	Depth (m)	9
C6	31 Aug 2021	Arrive Time	955
C6	31 Aug 2021	Depart Time	959
C6	31 Aug 2021	Air Temp (C)	18.8
C6	31 Aug 2021	Weather	Overcast
C6	31 Aug 2021	Visibility (mi)	5
C6	31 Aug 2021	Wind Speed (kts)	5.2
C6	31 Aug 2021	Wind Dir	SE
C6	31 Aug 2021	Water Color	Blueish-Green
C6	31 Aug 2021	Wave Ht Low (ft)	3
C6	31 Aug 2021	Wave Period (sec)	15
C6	31 Aug 2021	Sea State	Calm
C6	31 Aug 2021	High Tide (ft)	4.67
C6	31 Aug 2021	High Tide Time	1700
C6	31 Aug 2021	Low Tide (ft)	1.03
C6	31 Aug 2021	Low Tide Time	2354
C6	31 Aug 2021	Comments	Kelp; Kelp Debris
C7	02 Aug 2021	Depth (m)	19
C7	02 Aug 2021	Arrive Time	1040
C7	02 Aug 2021	Depart Time	1045
C7	02 Aug 2021	Air Temp (C)	15.7

Station	Date	Parameter	Value
C7	02 Aug 2021	Weather	Partly Cloudy
C7	02 Aug 2021	Visibility (mi)	5
C7	02 Aug 2021	Wind Speed (kts)	2.3
C7	02 Aug 2021	Wind Dir	N
C7	02 Aug 2021	Water Color	Green
C7	02 Aug 2021	Wave Ht Low (ft)	4
C7	02 Aug 2021	Wave Period (sec)	17
C7	02 Aug 2021	Sea State	Calm
C7	02 Aug 2021	High Tide (ft)	5.02
C7	02 Aug 2021	High Tide Time	1748
C7	02 Aug 2021	Low Tide (ft)	1.21
C7	02 Aug 2021	Low Tide Time	2354
C7	02 Aug 2021	Comments	none
C7	09 Aug 2021	Depth (m)	18
C7	09 Aug 2021	Arrive Time	819
C7	09 Aug 2021	Depart Time	823
C7	09 Aug 2021	Air Temp (C)	19.2
C7	09 Aug 2021	Weather	Haze
C7	09 Aug 2021	Visibility (mi)	7
C7	09 Aug 2021	Wind Speed (kts)	0
C7	09 Aug 2021	Wind Dir	NW
C7	09 Aug 2021	Water Color	Greenish-Blue
C7	09 Aug 2021	Wave Ht Low (ft)	1
C7	09 Aug 2021	Wave Period (sec)	20
C7	09 Aug 2021	Sea State	Calm
C7	09 Aug 2021	High Tide (ft)	6.19
C7	09 Aug 2021	High Tide Time	2212
C7	09 Aug 2021	Low Tide (ft)	-0.52
C7	09 Aug 2021	Low Tide Time	442
C7	09 Aug 2021	Comments	Kelp Debris
C7	17 Aug 2021	Depth (m)	17
C7	17 Aug 2021	Arrive Time	1018
C7	17 Aug 2021	Depart Time	1025
C7	17 Aug 2021	Air Temp (C)	21.1
C7	17 Aug 2021	Weather	Overcast
C7	17 Aug 2021	Visibility (mi)	3
C7	17 Aug 2021	Wind Speed (kts)	0.3
C7	17 Aug 2021	Wind Dir	N
C7	17 Aug 2021	Water Color	Blueish-Green
C7	17 Aug 2021	Wave Ht Low (ft)	2
C7	17 Aug 2021	Wave Period (sec)	12
C7	17 Aug 2021	Sea State	Calm
C7	17 Aug 2021	High Tide (ft)	5.87
C7	17 Aug 2021	High Tide Time	1736
C7	17 Aug 2021	Low Tide (ft)	0.3
C7	17 Aug 2021	Low Tide Time	2354
C7	17 Aug 2021	Comments	none
C7	24 Aug 2021	Depth (m)	18
C7	24 Aug 2021	Arrive Time	849
C7	24 Aug 2021	Depart Time	853
C7	24 Aug 2021	Air Temp (C)	19.1
C7	24 Aug 2021	Weather	Overcast
C7	24 Aug 2021	Visibility (mi)	5
C7	24 Aug 2021	Wind Speed (kts)	2.5
C7	24 Aug 2021	Wind Dir	N
C7	24 Aug 2021	Water Color	Blueish-Green
C7	24 Aug 2021	Wave Ht Low (ft)	3
C7	24 Aug 2021	Wave Period (sec)	13

Station	Date	Parameter	Value
C7	24 Aug 2021	Sea State	Calm
C7	24 Aug 2021	High Tide (ft)	5.46
C7	24 Aug 2021	High Tide Time	2306
C7	24 Aug 2021	Low Tide (ft)	-0.1
C7	24 Aug 2021	Low Tide Time	506
C7	24 Aug 2021	Comments	none
C7	31 Aug 2021	Depth (m)	18
C7	31 Aug 2021	Arrive Time	913
C7	31 Aug 2021	Depart Time	919
C7	31 Aug 2021	Air Temp (C)	18.6
C7	31 Aug 2021	Weather	Overcast
C7	31 Aug 2021	Visibility (mi)	5
C7	31 Aug 2021	Wind Speed (kts)	3.2
C7	31 Aug 2021	Wind Dir	SW
C7	31 Aug 2021	Water Color	Blueish-Green
C7	31 Aug 2021	Wave Ht Low (ft)	3
C7	31 Aug 2021	Wave Period (sec)	15
C7	31 Aug 2021	Sea State	Wind Ripples
C7	31 Aug 2021	High Tide (ft)	4.67
C7	31 Aug 2021	High Tide Time	1700
C7	31 Aug 2021	Low Tide (ft)	1.03
C7	31 Aug 2021	Low Tide Time	2354
C7	31 Aug 2021	Comments	Kelp; Kelp Debris
C8	02 Aug 2021	Depth (m)	19
C8	02 Aug 2021	Arrive Time	1056
C8	02 Aug 2021	Depart Time	1057
C8	02 Aug 2021	Air Temp (C)	15.8
C8	02 Aug 2021	Weather	Fog
C8	02 Aug 2021	Visibility (mi)	1
C8	02 Aug 2021	Wind Speed (kts)	3.3
C8	02 Aug 2021	Wind Dir	NW
C8	02 Aug 2021	Water Color	Green
C8	02 Aug 2021	Wave Ht Low (ft)	4
C8	02 Aug 2021	Wave Period (sec)	17
C8	02 Aug 2021	Sea State	Calm
C8	02 Aug 2021	High Tide (ft)	5.02
C8	02 Aug 2021	High Tide Time	1748
C8	02 Aug 2021	Low Tide (ft)	1.21
C8	02 Aug 2021	Low Tide Time	2354
C8	02 Aug 2021	Comments	none
C8	09 Aug 2021	Depth (m)	18
C8	09 Aug 2021	Arrive Time	832
C8	09 Aug 2021	Depart Time	837
C8	09 Aug 2021	Air Temp (C)	19.3
C8	09 Aug 2021	Weather	Haze
C8	09 Aug 2021	Visibility (mi)	7
C8	09 Aug 2021	Wind Speed (kts)	1.6
C8	09 Aug 2021	Wind Dir	SW
C8	09 Aug 2021	Water Color	Greenish-Blue
C8	09 Aug 2021	Wave Ht Low (ft)	1
C8	09 Aug 2021	Wave Period (sec)	20
C8	09 Aug 2021	Sea State	Calm
C8	09 Aug 2021	High Tide (ft)	6.19
C8	09 Aug 2021	High Tide Time	2212
C8	09 Aug 2021	Low Tide (ft)	-0.52
C8	09 Aug 2021	Low Tide Time	442
C8	09 Aug 2021	Comments	Salinity values spiking due to sharp thermocline

Station	Date	Parameter	Value
C8	17 Aug 2021	Depth (m)	19
C8	17 Aug 2021	Arrive Time	1030
C8	17 Aug 2021	Depart Time	1035
C8	17 Aug 2021	Air Temp (C)	21.2
C8	17 Aug 2021	Weather	Overcast
C8	17 Aug 2021	Visibility (mi)	3
C8	17 Aug 2021	Wind Speed (kts)	1.1
C8	17 Aug 2021	Wind Dir	N
C8	17 Aug 2021	Water Color	Blueish-Green
C8	17 Aug 2021	Wave Ht Low (ft)	2
C8	17 Aug 2021	Wave Period (sec)	12
C8	17 Aug 2021	Sea State	Calm
C8	17 Aug 2021	High Tide (ft)	5.87
C8	17 Aug 2021	High Tide Time	1736
C8	17 Aug 2021	Low Tide (ft)	0.3
C8	17 Aug 2021	Low Tide Time	2354
C8	17 Aug 2021	Comments	none
C8	24 Aug 2021	Depth (m)	19
C8	24 Aug 2021	Arrive Time	901
C8	24 Aug 2021	Depart Time	905
C8	24 Aug 2021	Air Temp (C)	19.2
C8	24 Aug 2021	Weather	Overcast
C8	24 Aug 2021	Visibility (mi)	5
C8	24 Aug 2021	Wind Speed (kts)	3
C8	24 Aug 2021	Wind Dir	NW
C8	24 Aug 2021	Water Color	Blueish-Green
C8	24 Aug 2021	Wave Ht Low (ft)	3
C8	24 Aug 2021	Wave Period (sec)	13
C8	24 Aug 2021	Sea State	Light Chop
C8	24 Aug 2021	High Tide (ft)	5.46
C8	24 Aug 2021	High Tide Time	2306
C8	24 Aug 2021	Low Tide (ft)	-0.1
C8	24 Aug 2021	Low Tide Time	506
C8	24 Aug 2021	Comments	none
C8	31 Aug 2021	Depth (m)	19
C8	31 Aug 2021	Arrive Time	926
C8	31 Aug 2021	Depart Time	933
C8	31 Aug 2021	Air Temp (C)	18.7
C8	31 Aug 2021	Weather	Overcast
C8	31 Aug 2021	Visibility (mi)	5
C8	31 Aug 2021	Wind Speed (kts)	0
C8	31 Aug 2021	Wind Dir	W
C8	31 Aug 2021	Water Color	Blueish-Green
C8	31 Aug 2021	Wave Ht Low (ft)	3
C8	31 Aug 2021	Wave Period (sec)	15
C8	31 Aug 2021	Sea State	Calm
C8	31 Aug 2021	High Tide (ft)	4.67
C8	31 Aug 2021	High Tide Time	1700
C8	31 Aug 2021	Low Tide (ft)	1.03
C8	31 Aug 2021	Low Tide Time	2354
C8	31 Aug 2021	Comments	Kelp Debris

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 ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	02 Aug 2021	1	16.31	72.98	8.2	33.61	8.1	24.6	1.63
A1	02 Aug 2021	2	16.28	72.92	8.2	33.62	8.1	24.6	1.64
A1	02 Aug 2021	3	16.09	72.73	8.2	33.63	8.1	24.7	1.70
A1	02 Aug 2021	4	15.95	72.44	8.2	33.62	8.1	24.7	1.98
A1	02 Aug 2021	5	15.69	72.31	8.1	33.64	8.1	24.8	2.37
A1	02 Aug 2021	6	15.14	71.83	8.1	33.64	8.1	24.9	2.98
A1	02 Aug 2021	7	14.55	71.10	8.0	33.63	8.1	25.0	4.22
A1	02 Aug 2021	8	14.16	70.33	7.9	33.59	8.1	25.1	5.63
A1	02 Aug 2021	9	14.04	70.59	7.8	33.58	8.1	25.1	7.17
A1	02 Aug 2021	10	13.82	70.26	7.6	33.59	8.1	25.1	8.36
A1	02 Aug 2021	11	13.29	70.56	7.4	33.62	8.1	25.3	9.00
A1	02 Aug 2021	12	13.15	72.42	7.1	33.59	8.1	25.3	9.23
A1	02 Aug 2021	13	13.23	72.88	6.9	33.59	8.1	25.3	8.96
A1	02 Aug 2021	14	12.45	76.36	6.5	33.71	8.0	25.5	8.45
A1	02 Aug 2021	15	11.93	80.94	5.9	33.67	8.0	25.6	7.59
A1	02 Aug 2021	16	11.74	84.41	5.5	33.67	8.0	25.6	6.22
A1	02 Aug 2021	17	11.68	86.85	5.3	33.66	7.9	25.6	4.27
A1	02 Aug 2021	18	11.67	87.30	5.3	33.66	7.9	25.6	3.06
A1	09 Aug 2021	1	17.52	75.94	9.2	33.52	8.1	24.3	3.83
A1	09 Aug 2021	2	17.43	75.09	9.2	33.55	8.1	24.3	3.50
A1	09 Aug 2021	3	17.18	73.72	9.2	33.56	8.1	24.4	3.31
A1	09 Aug 2021	4	16.99	72.19	9.2	33.55	8.1	24.4	3.41
A1	09 Aug 2021	5	16.93	71.24	9.2	33.55	8.1	24.4	4.01
A1	09 Aug 2021	6	16.51	70.94	9.1	33.61	8.1	24.6	4.83
A1	09 Aug 2021	7	15.86	70.22	9.0	33.63	8.1	24.7	5.38
A1	09 Aug 2021	8	15.35	68.46	9.1	33.59	8.1	24.8	5.74
A1	09 Aug 2021	9	15.21	67.31	9.2	33.57	8.1	24.8	6.09
A1	09 Aug 2021	10	15.16	67.09	9.2	33.56	8.1	24.8	6.63
A1	09 Aug 2021	11	15.04	67.24	9.1	33.56	8.1	24.9	7.35
A1	09 Aug 2021	12	14.99	67.96	9.0	33.56	8.1	24.9	7.67
A1	09 Aug 2021	13	14.87	68.91	8.8	33.56	8.1	24.9	7.58
A1	09 Aug 2021	14	14.81	70.31	8.6	33.55	8.1	24.9	7.54
A1	09 Aug 2021	15	14.76	71.25	8.3	33.55	8.0	24.9	6.97
A1	09 Aug 2021	16	14.31	73.28	7.7	33.67	8.0	25.1	6.57
A1	09 Aug 2021	17	13.74	76.49	6.8	33.62	7.9	25.2	5.99
A1	09 Aug 2021	18	13.58	82.04	6.3	33.56	7.9	25.2	5.17
A1	09 Aug 2021	19	13.60	83.96	6.2	33.57	7.9	25.2	3.78
A1	17 Aug 2021	1	20.86	79.65	8.4	33.52	8.1	23.4	1.60
A1	17 Aug 2021	2	20.90	77.02	8.4	33.53	8.1	23.4	1.56
A1	17 Aug 2021	3	20.50	79.96	8.2	33.61	8.1	23.6	1.65
A1	17 Aug 2021	4	18.59	80.18	8.2	33.78	8.1	24.2	1.71
A1	17 Aug 2021	5	17.02	79.37	8.4	33.74	8.1	24.5	1.84
A1	17 Aug 2021	6	16.18	79.23	8.8	33.59	8.1	24.6	2.23
A1	17 Aug 2021	7	15.48	81.14	8.9	33.54	8.1	24.7	2.56
A1	17 Aug 2021	8	15.20	82.82	8.9	33.48	8.1	24.8	2.31
A1	17 Aug 2021	9	15.02	83.38	8.8	33.46	8.1	24.8	1.97
A1	17 Aug 2021	10	14.93	83.47	8.8	33.45	8.1	24.8	1.75
A1	17 Aug 2021	11	14.88	83.30	8.7	33.44	8.1	24.8	1.71
A1	17 Aug 2021	12	14.83	83.23	8.8	33.44	8.1	24.8	1.80
A1	17 Aug 2021	13	14.76	83.46	8.7	33.44	8.1	24.8	1.81
A1	17 Aug 2021	14	14.69	83.70	8.5	33.46	8.1	24.9	1.89
A1	17 Aug 2021	15	14.63	83.06	8.4	33.47	8.0	24.9	1.93
A1	17 Aug 2021	16	14.60	82.77	8.3	33.47	8.0	24.9	1.94
A1	17 Aug 2021	17	14.41	82.70	8.2	33.50	8.0	24.9	2.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	17 Aug 2021	18	14.20	82.72	8.0	33.51	8.0	25.0	2.38
A1	24 Aug 2021	1	17.64	80.72	8.3	33.49	8.1	24.2	1.28
A1	24 Aug 2021	2	17.58	80.57	8.3	33.52	8.1	24.2	1.34
A1	24 Aug 2021	3	17.21	79.78	8.3	33.55	8.1	24.4	1.32
A1	24 Aug 2021	4	16.89	79.63	8.1	33.57	8.1	24.4	1.40
A1	24 Aug 2021	5	15.95	78.74	7.8	33.72	8.1	24.8	1.54
A1	24 Aug 2021	6	14.61	78.55	7.7	33.68	8.0	25.0	1.80
A1	24 Aug 2021	7	13.81	79.16	7.5	33.65	8.0	25.2	2.08
A1	24 Aug 2021	8	13.51	80.15	7.2	33.54	8.0	25.2	2.50
A1	24 Aug 2021	9	13.45	81.70	7.1	33.51	8.0	25.1	2.74
A1	24 Aug 2021	10	13.39	82.34	7.0	33.52	8.0	25.2	2.88
A1	24 Aug 2021	11	13.12	83.25	6.7	33.57	7.9	25.3	2.76
A1	24 Aug 2021	12	12.73	84.36	6.4	33.61	7.9	25.4	2.80
A1	24 Aug 2021	13	12.45	85.59	6.1	33.60	7.9	25.4	2.47
A1	24 Aug 2021	14	12.44	86.06	5.8	33.59	7.9	25.4	2.10
A1	24 Aug 2021	15	12.41	86.28	5.7	33.59	7.9	25.4	1.77
A1	24 Aug 2021	16	12.37	86.36	5.7	33.58	7.9	25.4	1.61
A1	24 Aug 2021	17	12.35	86.27	5.7	33.59	7.9	25.4	1.38
A1	24 Aug 2021	18	12.33	86.17	5.6	33.60	7.9	25.4	1.08
A1	31 Aug 2021	1	18.27	74.35	7.6	33.70	8.0	24.2	3.12
A1	31 Aug 2021	2	17.57	74.03	7.7	33.76	8.0	24.4	3.16
A1	31 Aug 2021	3	16.92	73.59	7.8	33.71	8.0	24.5	3.43
A1	31 Aug 2021	4	15.52	73.29	8.0	33.73	8.0	24.9	3.72
A1	31 Aug 2021	5	15.21	72.04	8.0	33.56	8.0	24.8	4.18
A1	31 Aug 2021	6	14.41	71.82	8.0	33.64	8.0	25.1	4.69
A1	31 Aug 2021	7	13.77	73.04	8.2	33.49	8.0	25.1	5.22
A1	31 Aug 2021	8	13.65	73.98	8.2	33.46	8.0	25.1	5.58
A1	31 Aug 2021	9	13.56	75.37	8.2	33.45	8.0	25.1	5.85
A1	31 Aug 2021	10	13.50	75.76	8.0	33.45	8.0	25.1	5.79
A1	31 Aug 2021	11	13.44	74.16	7.9	33.46	8.0	25.1	5.70
A1	31 Aug 2021	12	13.41	75.34	7.9	33.47	7.9	25.1	5.71
A1	31 Aug 2021	13	13.35	75.66	7.8	33.49	7.9	25.2	5.97
A1	31 Aug 2021	14	13.17	76.68	7.4	33.52	7.9	25.2	5.97
A1	31 Aug 2021	15	13.01	79.76	6.8	33.54	7.9	25.3	5.82
A1	31 Aug 2021	16	12.86	82.34	6.2	33.57	7.8	25.3	4.64
A1	31 Aug 2021	17	12.75	83.88	5.8	33.58	7.8	25.3	3.75
A1	31 Aug 2021	18	12.52	84.51	5.7	33.59	7.8	25.4	2.58
A1	31 Aug 2021	19	12.44	85.32	5.8	33.58	7.8	25.4	2.01
A6	02 Aug 2021	1	14.65	81.79	8.6	33.43	8.2	24.8	0.95
A6	02 Aug 2021	2	14.78	82.01	8.6	33.42	8.2	24.8	0.95
A6	02 Aug 2021	3	14.62	81.02	8.5	33.46	8.2	24.9	0.91
A6	02 Aug 2021	4	14.35	80.28	8.6	33.46	8.2	24.9	0.94
A6	02 Aug 2021	5	14.23	78.44	8.5	33.48	8.2	25.0	1.12
A6	02 Aug 2021	6	13.49	68.37	8.7	33.53	8.2	25.2	1.54
A6	02 Aug 2021	7	13.46	58.84	8.6	33.51	8.2	25.1	5.73
A6	02 Aug 2021	8	13.44	55.83	8.5	33.51	8.2	25.1	17.36
A6	02 Aug 2021	9	13.34	58.85	8.2	33.52	8.1	25.2	24.97
A6	02 Aug 2021	10	13.22	63.99	7.8	33.53	8.1	25.2	24.87
A6	02 Aug 2021	11	13.21	67.57	7.5	33.51	8.1	25.2	20.59
A6	02 Aug 2021	12	12.68	75.88	7.2	33.64	8.1	25.4	16.96
A6	02 Aug 2021	13	12.42	78.58	6.6	33.60	8.0	25.4	14.72
A6	02 Aug 2021	14	12.35	79.91	6.3	33.60	8.0	25.4	10.57
A6	02 Aug 2021	15	12.17	81.16	6.1	33.63	8.0	25.5	7.56
A6	02 Aug 2021	16	11.95	84.33	5.8	33.63	8.0	25.5	5.58
A6	02 Aug 2021	17	11.81	85.97	5.5	33.65	7.9	25.6	4.00
A6	02 Aug 2021	18	11.66	86.83	5.3	33.66	7.9	25.6	3.12
A6	02 Aug 2021	19	11.62	87.15	5.2	33.66	7.9	25.6	2.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A6	09 Aug 2021	1	18.71	77.88	9.0	33.55	8.2	24.0	2.40
A6	09 Aug 2021	2	18.58	77.94	9.0	33.56	8.2	24.0	2.42
A6	09 Aug 2021	3	18.30	77.82	9.1	33.59	8.2	24.1	2.48
A6	09 Aug 2021	4	17.80	76.34	9.2	33.60	8.2	24.2	2.64
A6	09 Aug 2021	5	17.31	75.63	9.5	33.60	8.2	24.4	2.84
A6	09 Aug 2021	6	17.03	75.24	9.5	33.57	8.2	24.4	3.20
A6	09 Aug 2021	7	16.64	75.59	9.4	33.61	8.2	24.5	3.53
A6	09 Aug 2021	8	16.07	75.34	9.0	33.64	8.1	24.7	3.85
A6	09 Aug 2021	9	15.54	75.59	8.5	33.62	8.1	24.8	3.90
A6	09 Aug 2021	10	14.98	77.51	8.1	33.67	8.1	25.0	4.18
A6	09 Aug 2021	11	14.41	79.48	7.6	33.61	8.0	25.0	4.13
A6	09 Aug 2021	12	14.05	81.78	7.3	33.62	8.0	25.1	4.20
A6	09 Aug 2021	13	13.73	82.28	7.1	33.63	8.0	25.2	3.51
A6	09 Aug 2021	14	13.53	81.68	7.0	33.59	8.0	25.2	3.14
A6	09 Aug 2021	15	13.39	81.89	7.0	33.60	8.0	25.2	2.60
A6	09 Aug 2021	16	13.21	81.44	6.9	33.58	8.0	25.3	2.46
A6	09 Aug 2021	17	13.13	81.62	6.8	33.57	7.9	25.3	2.59
A6	09 Aug 2021	18	13.12	81.64	6.7	33.57	7.9	25.3	2.59
A6	17 Aug 2021	1	21.42	80.91	8.4	33.54	8.2	23.3	1.38
A6	17 Aug 2021	2	21.34	80.85	8.4	33.55	8.2	23.3	1.35
A6	17 Aug 2021	3	20.69	80.54	8.3	33.62	8.2	23.5	1.42
A6	17 Aug 2021	4	18.80	79.03	8.4	33.77	8.2	24.1	1.52
A6	17 Aug 2021	5	17.23	77.96	8.7	33.67	8.2	24.4	1.90
A6	17 Aug 2021	6	16.57	78.37	8.8	33.58	8.2	24.5	2.31
A6	17 Aug 2021	7	16.23	78.51	8.8	33.55	8.1	24.6	2.74
A6	17 Aug 2021	8	15.86	78.91	8.7	33.55	8.1	24.7	2.90
A6	17 Aug 2021	9	15.36	79.80	8.6	33.54	8.1	24.8	3.06
A6	17 Aug 2021	10	15.08	81.10	8.2	33.52	8.1	24.8	3.15
A6	17 Aug 2021	11	14.89	81.37	8.1	33.50	8.1	24.8	3.15
A6	17 Aug 2021	12	14.79	81.56	8.1	33.51	8.1	24.9	2.87
A6	17 Aug 2021	13	14.69	81.94	8.0	33.50	8.1	24.9	2.90
A6	17 Aug 2021	14	14.59	82.83	7.8	33.51	8.1	24.9	2.88
A6	17 Aug 2021	15	14.47	82.91	7.7	33.51	8.0	24.9	2.70
A6	17 Aug 2021	16	14.42	83.71	7.6	33.51	8.0	24.9	2.47
A6	17 Aug 2021	17	14.39	84.30	7.4	33.51	8.0	25.0	2.28
A6	17 Aug 2021	18	14.37	84.56	7.3	33.52	8.0	25.0	2.03
A6	24 Aug 2021	1	17.56	79.32	7.9	33.71	8.1	24.4	1.49
A6	24 Aug 2021	2	16.22	79.18	8.1	33.61	8.1	24.6	1.49
A6	24 Aug 2021	3	16.05	79.18	8.2	33.51	8.1	24.6	1.55
A6	24 Aug 2021	4	16.02	79.09	8.2	33.49	8.1	24.6	1.70
A6	24 Aug 2021	5	15.53	79.30	8.2	33.55	8.1	24.7	1.75
A6	24 Aug 2021	6	15.27	79.17	8.2	33.50	8.1	24.8	1.84
A6	24 Aug 2021	7	14.55	78.93	8.0	33.62	8.1	25.0	2.03
A6	24 Aug 2021	8	14.03	79.37	7.6	33.53	8.1	25.0	2.24
A6	24 Aug 2021	9	13.87	81.39	7.3	33.52	8.0	25.1	2.61
A6	24 Aug 2021	10	13.67	82.53	7.0	33.52	8.0	25.1	2.74
A6	24 Aug 2021	11	13.50	83.79	6.8	33.52	8.0	25.1	2.54
A6	24 Aug 2021	12	13.38	85.02	6.6	33.52	8.0	25.2	2.33
A6	24 Aug 2021	13	13.21	84.86	6.5	33.53	8.0	25.2	2.06
A6	24 Aug 2021	14	13.01	84.91	6.6	33.54	8.0	25.3	1.75
A6	24 Aug 2021	15	12.88	85.20	6.5	33.53	8.0	25.3	1.76
A6	24 Aug 2021	16	12.86	85.39	6.4	33.53	8.0	25.3	1.78
A6	24 Aug 2021	17	12.84	85.41	6.3	33.53	8.0	25.3	1.74
A6	24 Aug 2021	18	12.83	85.46	6.3	33.52	7.9	25.3	1.52
A6	31 Aug 2021	1	17.99	81.13	8.2	33.54	8.0	24.2	1.40
A6	31 Aug 2021	2	17.89	80.99	8.2	33.56	8.0	24.2	1.40
A6	31 Aug 2021	3	17.34	80.73	8.1	33.71	8.0	24.4	1.50
A6	31 Aug 2021	4	15.65	79.94	8.3	33.74	8.0	24.9	1.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A6	31 Aug 2021	5	15.10	78.72	8.3	33.56	8.0	24.8	1.88
A6	31 Aug 2021	6	14.67	78.75	8.4	33.55	8.0	24.9	2.54
A6	31 Aug 2021	7	13.85	79.39	8.4	33.53	8.0	25.1	2.82
A6	31 Aug 2021	8	13.68	79.40	8.4	33.46	8.0	25.1	3.01
A6	31 Aug 2021	9	13.65	79.19	8.3	33.44	8.0	25.1	3.23
A6	31 Aug 2021	10	13.62	79.19	8.1	33.44	8.0	25.1	3.70
A6	31 Aug 2021	11	13.62	79.24	8.1	33.44	8.0	25.1	3.80
A6	31 Aug 2021	12	13.60	79.31	8.0	33.44	8.0	25.1	4.02
A6	31 Aug 2021	13	13.58	79.44	7.9	33.45	8.0	25.1	4.15
A6	31 Aug 2021	14	13.57	79.69	7.9	33.46	8.0	25.1	4.04
A6	31 Aug 2021	15	13.51	80.13	7.8	33.48	8.0	25.1	3.93
A6	31 Aug 2021	16	13.36	80.53	7.6	33.49	8.0	25.2	3.99
A6	31 Aug 2021	17	13.04	81.67	7.3	33.55	8.0	25.3	3.88
A6	31 Aug 2021	18	12.76	83.26	6.9	33.54	7.9	25.3	3.54
A6	31 Aug 2021	19	12.69	84.88	6.6	33.52	7.9	25.3	3.03
A6	31 Aug 2021	20	12.61	85.61	6.5	33.54	7.9	25.3	2.60
A6	31 Aug 2021	21	12.56	86.20	6.4	33.54	7.9	25.3	2.19
A7	02 Aug 2021	1	15.08	81.12	8.6	33.47	8.2	24.8	1.18
A7	02 Aug 2021	2	15.02	81.14	8.5	33.50	8.2	24.8	1.17
A7	02 Aug 2021	3	14.66	78.67	8.5	33.56	8.2	24.9	1.10
A7	02 Aug 2021	4	14.45	72.77	8.4	33.54	8.2	25.0	1.11
A7	02 Aug 2021	5	14.41	72.35	8.5	33.53	8.2	25.0	1.34
A7	02 Aug 2021	6	14.14	69.23	8.3	33.59	8.2	25.1	1.96
A7	02 Aug 2021	7	13.84	66.69	8.1	33.59	8.1	25.1	3.01
A7	02 Aug 2021	8	13.64	67.15	7.7	33.61	8.1	25.2	4.33
A7	02 Aug 2021	9	13.41	69.31	7.4	33.61	8.1	25.2	7.25
A7	02 Aug 2021	10	13.07	72.31	7.0	33.64	8.1	25.3	9.42
A7	02 Aug 2021	11	12.84	73.98	6.6	33.64	8.0	25.4	10.21
A7	02 Aug 2021	12	12.44	77.57	6.2	33.70	8.0	25.5	10.68
A7	02 Aug 2021	13	12.11	84.04	5.7	33.69	8.0	25.6	10.29
A7	02 Aug 2021	14	11.97	85.56	5.4	33.68	7.9	25.6	9.04
A7	02 Aug 2021	15	11.89	86.28	5.4	33.68	7.9	25.6	6.91
A7	02 Aug 2021	16	11.76	86.79	5.4	33.69	7.9	25.6	5.26
A7	02 Aug 2021	17	11.69	86.89	5.3	33.68	7.9	25.6	4.07
A7	02 Aug 2021	18	11.68	87.02	5.2	33.67	7.9	25.6	3.19
A7	09 Aug 2021	1	18.52	77.66	9.2	33.47	8.2	24.0	2.93
A7	09 Aug 2021	2	18.47	77.76	9.2	33.53	8.2	24.0	2.89
A7	09 Aug 2021	3	17.41	76.03	9.2	33.69	8.2	24.4	2.92
A7	09 Aug 2021	4	16.83	74.18	9.3	33.61	8.1	24.5	2.95
A7	09 Aug 2021	5	16.54	74.11	9.3	33.57	8.1	24.5	3.45
A7	09 Aug 2021	6	16.34	74.19	9.2	33.56	8.1	24.6	4.09
A7	09 Aug 2021	7	16.06	74.67	8.9	33.58	8.1	24.6	4.40
A7	09 Aug 2021	8	15.69	74.60	8.6	33.58	8.1	24.7	4.63
A7	09 Aug 2021	9	15.21	74.70	8.3	33.61	8.1	24.9	4.85
A7	09 Aug 2021	10	15.06	75.28	8.1	33.57	8.1	24.9	5.04
A7	09 Aug 2021	11	14.82	75.80	8.0	33.59	8.0	24.9	5.08
A7	09 Aug 2021	12	14.53	76.57	7.8	33.57	8.0	25.0	4.95
A7	09 Aug 2021	13	14.47	76.44	7.8	33.56	8.0	25.0	4.66
A7	09 Aug 2021	14	14.43	75.43	7.9	33.55	8.0	25.0	4.64
A7	09 Aug 2021	15	14.24	75.29	7.6	33.57	8.0	25.0	5.45
A7	09 Aug 2021	16	14.22	77.16	7.5	33.55	8.0	25.0	5.21
A7	09 Aug 2021	17	14.22	78.44	7.4	33.55	8.0	25.0	4.59
A7	09 Aug 2021	18	14.14	79.09	7.3	33.55	8.0	25.0	3.95
A7	17 Aug 2021	1	20.55	78.43	8.5	33.56	8.2	23.5	1.91
A7	17 Aug 2021	2	20.28	78.42	8.5	33.56	8.2	23.6	1.97
A7	17 Aug 2021	3	19.78	77.96	8.4	33.61	8.2	23.8	2.01
A7	17 Aug 2021	4	18.71	78.02	8.4	33.71	8.2	24.1	2.12
A7	17 Aug 2021	5	17.35	78.22	8.6	33.68	8.1	24.4	2.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A7	17 Aug 2021	6	16.18	80.26	8.8	33.62	8.1	24.6	2.57
A7	17 Aug 2021	7	15.93	81.64	8.9	33.51	8.1	24.6	2.56
A7	17 Aug 2021	8	15.66	82.24	8.9	33.52	8.1	24.7	2.32
A7	17 Aug 2021	9	15.25	82.33	8.8	33.49	8.1	24.8	2.16
A7	17 Aug 2021	10	15.11	81.96	8.7	33.48	8.1	24.8	2.17
A7	17 Aug 2021	11	14.79	81.74	8.4	33.51	8.1	24.9	2.20
A7	17 Aug 2021	12	14.74	82.38	8.1	33.50	8.1	24.9	2.23
A7	17 Aug 2021	13	14.73	82.63	8.0	33.50	8.1	24.9	2.33
A7	17 Aug 2021	14	14.72	82.75	8.0	33.49	8.1	24.9	2.18
A7	17 Aug 2021	15	14.68	82.84	7.9	33.50	8.1	24.9	2.06
A7	17 Aug 2021	16	14.56	83.19	7.8	33.51	8.1	24.9	2.06
A7	17 Aug 2021	17	14.52	83.39	7.7	33.51	8.0	24.9	2.00
A7	17 Aug 2021	18	14.34	83.64	7.6	33.53	8.0	25.0	1.88
A7	17 Aug 2021	19	14.06	84.33	7.4	33.53	8.0	25.0	1.79
A7	24 Aug 2021	1	17.31	77.88	7.9	33.51	8.1	24.3	1.99
A7	24 Aug 2021	2	17.12	77.04	7.8	33.58	8.1	24.4	2.03
A7	24 Aug 2021	3	16.37	78.09	7.7	33.62	8.1	24.6	2.14
A7	24 Aug 2021	4	14.50	78.88	7.6	33.73	8.1	25.1	2.16
A7	24 Aug 2021	5	13.81	79.81	7.4	33.58	8.0	25.1	2.31
A7	24 Aug 2021	6	13.67	80.46	7.2	33.52	8.0	25.1	2.55
A7	24 Aug 2021	7	13.47	81.50	7.1	33.53	8.0	25.2	2.69
A7	24 Aug 2021	8	13.36	82.44	7.0	33.50	8.0	25.2	2.67
A7	24 Aug 2021	9	13.30	82.74	7.0	33.50	8.0	25.2	2.82
A7	24 Aug 2021	10	13.27	82.85	7.0	33.50	8.0	25.2	2.69
A7	24 Aug 2021	11	13.23	83.11	6.8	33.50	8.0	25.2	2.61
A7	24 Aug 2021	12	13.07	83.85	6.7	33.54	8.0	25.2	2.56
A7	24 Aug 2021	13	12.80	84.43	6.4	33.58	7.9	25.3	2.39
A7	24 Aug 2021	14	12.59	85.34	6.1	33.58	7.9	25.4	2.22
A7	24 Aug 2021	15	12.50	85.82	5.9	33.57	7.9	25.4	1.83
A7	24 Aug 2021	16	12.47	86.31	5.8	33.57	7.9	25.4	1.61
A7	24 Aug 2021	17	12.46	86.51	5.7	33.57	7.9	25.4	1.41
A7	24 Aug 2021	18	12.45	86.56	5.7	33.57	7.9	25.4	1.25
A7	24 Aug 2021	19	12.46	86.49	5.7	33.57	7.9	25.4	1.34
A7	31 Aug 2021	1	17.69	79.55	8.2	33.53	8.0	24.2	1.91
A7	31 Aug 2021	2	17.62	79.81	8.2	33.53	8.0	24.2	1.90
A7	31 Aug 2021	3	15.98	80.13	8.1	33.78	8.0	24.8	1.92
A7	31 Aug 2021	4	14.95	79.33	7.9	33.59	8.0	24.9	2.09
A7	31 Aug 2021	5	14.71	78.05	8.1	33.52	8.0	24.9	2.82
A7	31 Aug 2021	6	14.60	76.81	8.3	33.48	8.0	24.9	3.27
A7	31 Aug 2021	7	14.19	76.36	8.4	33.49	8.0	25.0	3.89
A7	31 Aug 2021	8	13.91	76.51	8.6	33.41	8.0	25.0	4.06
A7	31 Aug 2021	9	13.94	75.98	8.5	33.43	8.0	25.0	4.45
A7	31 Aug 2021	10	13.70	74.86	8.1	33.52	8.0	25.1	4.58
A7	31 Aug 2021	11	13.49	76.15	7.7	33.50	8.0	25.1	4.94
A7	31 Aug 2021	12	13.45	78.72	7.5	33.50	8.0	25.1	4.65
A7	31 Aug 2021	13	13.41	79.76	7.5	33.49	8.0	25.1	4.49
A7	31 Aug 2021	14	13.35	80.07	7.4	33.50	8.0	25.2	4.10
A7	31 Aug 2021	15	13.01	81.63	7.1	33.54	7.9	25.3	3.99
A7	31 Aug 2021	16	12.79	84.17	6.7	33.53	7.9	25.3	3.95
A7	31 Aug 2021	17	12.69	85.32	6.6	33.52	7.9	25.3	3.26
A7	31 Aug 2021	18	12.57	86.08	6.5	33.53	7.9	25.3	2.69
A7	31 Aug 2021	19	12.47	86.60	6.4	33.53	7.9	25.4	2.32
C4	02 Aug 2021	1	16.07	78.34	9.2	33.51	8.2	24.6	0.68
C4	02 Aug 2021	2	15.95	78.19	9.2	33.52	8.2	24.6	0.68
C4	02 Aug 2021	3	15.81	77.66	9.0	33.53	8.2	24.7	0.75
C4	02 Aug 2021	4	14.63	76.05	8.6	33.62	8.2	25.0	0.90
C4	02 Aug 2021	5	14.30	70.45	7.7	33.58	8.1	25.0	1.59
C4	02 Aug 2021	6	12.52	78.38	5.8	33.66	8.0	25.4	1.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	02 Aug 2021	7	12.23	82.96	5.0	33.61	7.9	25.5	1.41
C4	02 Aug 2021	8	12.15	82.03	4.9	33.60	7.9	25.5	0.79
C4	02 Aug 2021	9	12.05	80.78	4.9	33.61	7.9	25.5	0.53
C4	02 Aug 2021	10	12.04	79.80	5.0	33.61	7.9	25.5	0.40
C4	09 Aug 2021	1	18.76	72.40	8.4	33.62	8.1	24.0	1.63
C4	09 Aug 2021	2	18.50	70.88	8.4	33.65	8.1	24.1	1.60
C4	09 Aug 2021	3	18.39	70.08	8.4	33.62	8.1	24.1	1.73
C4	09 Aug 2021	4	18.19	69.54	8.5	33.63	8.1	24.2	2.20
C4	09 Aug 2021	5	18.14	69.62	8.5	33.61	8.1	24.2	2.80
C4	09 Aug 2021	6	17.75	69.94	8.5	33.67	8.1	24.3	3.55
C4	09 Aug 2021	7	16.47	71.63	8.8	33.70	8.1	24.6	3.98
C4	09 Aug 2021	8	15.86	72.63	8.8	33.64	8.1	24.7	4.43
C4	09 Aug 2021	9	15.48	74.47	8.5	33.62	8.1	24.8	4.66
C4	09 Aug 2021	10	15.22	77.57	7.9	33.61	8.0	24.9	4.76
C4	09 Aug 2021	11	15.04	77.61	7.3	33.60	8.0	24.9	4.26
C4	17 Aug 2021	1	20.43	78.00	8.2	33.52	8.2	23.5	1.57
C4	17 Aug 2021	2	20.44	76.07	8.2	33.52	8.2	23.5	1.59
C4	17 Aug 2021	3	20.01	78.27	8.0	33.62	8.2	23.7	1.58
C4	17 Aug 2021	4	19.40	78.05	7.8	33.59	8.1	23.8	1.58
C4	17 Aug 2021	5	19.12	77.45	7.5	33.56	8.1	23.9	1.60
C4	17 Aug 2021	6	18.09	77.28	7.1	33.72	8.1	24.3	1.56
C4	17 Aug 2021	7	16.50	76.27	6.7	33.67	8.0	24.6	1.32
C4	17 Aug 2021	8	15.59	74.71	6.5	33.67	8.0	24.8	1.06
C4	17 Aug 2021	9	15.05	71.92	6.4	33.59	8.0	24.9	0.89
C4	17 Aug 2021	10	14.96	61.17	6.3	33.54	8.0	24.9	0.68
C4	17 Aug 2021	11	14.96	51.72	6.2	33.53	8.0	24.9	0.59
C4	24 Aug 2021	1	18.74	79.35	7.4	33.54	8.1	24.0	0.97
C4	24 Aug 2021	2	17.78	78.78	7.4	33.71	8.1	24.3	0.99
C4	24 Aug 2021	3	16.75	78.36	7.5	33.64	8.1	24.5	1.00
C4	24 Aug 2021	4	16.28	77.78	7.5	33.58	8.1	24.6	1.06
C4	24 Aug 2021	5	15.67	77.42	7.5	33.62	8.1	24.8	1.31
C4	24 Aug 2021	6	15.28	78.11	7.3	33.55	8.1	24.8	1.68
C4	24 Aug 2021	7	14.93	79.29	7.1	33.58	8.0	24.9	2.04
C4	24 Aug 2021	8	14.49	81.09	6.8	33.57	8.0	25.0	2.25
C4	24 Aug 2021	9	14.24	82.21	6.6	33.55	8.0	25.0	2.21
C4	24 Aug 2021	10	13.96	82.69	6.4	33.55	8.0	25.1	2.09
C4	24 Aug 2021	11	13.89	76.29	6.3	33.53	8.0	25.1	1.71
C4	24 Aug 2021	12	13.87	67.32	6.3	33.52	8.0	25.1	1.49
C4	31 Aug 2021	1	17.93	73.54	8.0	33.56	8.0	24.2	2.56
C4	31 Aug 2021	2	17.62	73.68	8.0	33.60	8.0	24.3	2.72
C4	31 Aug 2021	3	16.88	71.82	8.0	33.62	8.0	24.5	2.79
C4	31 Aug 2021	4	15.82	71.70	8.1	33.65	8.0	24.7	3.12
C4	31 Aug 2021	5	15.13	71.93	8.0	33.58	8.0	24.9	3.83
C4	31 Aug 2021	6	14.61	71.62	7.8	33.53	8.0	24.9	4.08
C4	31 Aug 2021	7	14.21	72.03	7.6	33.53	8.0	25.0	4.37
C4	31 Aug 2021	8	13.78	75.53	7.2	33.51	8.0	25.1	4.57
C4	31 Aug 2021	9	13.56	79.03	6.8	33.48	7.9	25.1	4.65
C4	31 Aug 2021	10	13.37	79.77	6.4	33.48	7.9	25.1	4.08
C5	02 Aug 2021	1	16.05	80.35	9.0	33.50	8.2	24.6	0.51
C5	02 Aug 2021	2	15.83	80.36	8.9	33.53	8.2	24.7	0.51
C5	02 Aug 2021	3	15.32	78.97	8.9	33.52	8.2	24.8	0.62
C5	02 Aug 2021	4	15.14	76.46	8.7	33.54	8.2	24.8	0.94
C5	02 Aug 2021	5	14.13	69.51	8.2	33.61	8.2	25.1	1.74
C5	02 Aug 2021	6	13.19	69.39	6.9	33.63	8.1	25.3	3.62
C5	02 Aug 2021	7	12.53	82.82	5.6	33.62	8.0	25.4	3.34
C5	02 Aug 2021	8	12.29	84.99	5.3	33.60	8.0	25.4	2.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C5	02 Aug 2021	9	12.13	84.51	5.5	33.61	8.0	25.5	1.30
C5	02 Aug 2021	10	12.12	83.72	5.7	33.60	8.0	25.5	0.74
C5	09 Aug 2021	1	19.01	79.73	9.0	33.46	8.2	23.8	1.43
C5	09 Aug 2021	2	18.74	80.53	9.0	33.61	8.2	24.0	1.48
C5	09 Aug 2021	3	18.31	79.46	9.1	33.58	8.2	24.1	1.46
C5	09 Aug 2021	4	18.07	78.44	9.1	33.57	8.2	24.2	1.57
C5	09 Aug 2021	5	17.63	77.57	8.9	33.59	8.2	24.3	2.14
C5	09 Aug 2021	6	17.41	76.46	8.8	33.57	8.2	24.3	2.83
C5	09 Aug 2021	7	17.17	76.15	8.7	33.58	8.1	24.4	3.79
C5	09 Aug 2021	8	16.72	77.01	8.5	33.61	8.1	24.5	3.95
C5	09 Aug 2021	9	16.42	78.89	8.2	33.58	8.1	24.6	4.00
C5	09 Aug 2021	10	15.53	81.37	7.8	33.75	8.1	24.9	3.71
C5	09 Aug 2021	11	14.27	82.92	7.3	33.75	8.0	25.2	3.30
C5	17 Aug 2021	1	20.91	79.66	8.3	33.53	8.2	23.4	1.24
C5	17 Aug 2021	2	20.71	79.67	8.3	33.56	8.2	23.5	1.25
C5	17 Aug 2021	3	20.34	79.84	8.3	33.58	8.2	23.6	1.26
C5	17 Aug 2021	4	19.29	79.52	8.1	33.68	8.2	23.9	1.30
C5	17 Aug 2021	5	17.38	79.29	8.1	33.70	8.1	24.4	1.42
C5	17 Aug 2021	6	16.27	80.89	7.9	33.65	8.1	24.6	1.51
C5	17 Aug 2021	7	15.40	81.78	7.7	33.63	8.1	24.8	1.60
C5	17 Aug 2021	8	14.92	82.50	7.4	33.59	8.0	24.9	1.45
C5	17 Aug 2021	9	14.44	82.91	7.3	33.56	8.0	25.0	1.21
C5	17 Aug 2021	10	14.39	83.56	7.2	33.53	8.0	25.0	1.03
C5	17 Aug 2021	11	13.91	80.74	7.2	33.57	8.0	25.1	0.82
C5	24 Aug 2021	1	19.48	78.93	7.5	33.53	8.1	23.8	1.13
C5	24 Aug 2021	2	18.59	78.89	7.4	33.72	8.1	24.1	1.11
C5	24 Aug 2021	3	16.77	78.62	7.3	33.71	8.1	24.6	1.18
C5	24 Aug 2021	4	15.51	77.38	7.3	33.63	8.1	24.8	1.43
C5	24 Aug 2021	5	15.34	77.29	7.3	33.53	8.1	24.8	2.02
C5	24 Aug 2021	6	15.01	79.27	7.1	33.55	8.0	24.8	2.76
C5	24 Aug 2021	7	14.74	80.54	7.0	33.53	8.0	24.9	2.95
C5	24 Aug 2021	8	14.64	81.66	6.9	33.51	8.0	24.9	2.85
C5	24 Aug 2021	9	14.48	82.37	6.8	33.52	8.0	24.9	2.65
C5	24 Aug 2021	10	14.11	83.07	6.6	33.56	8.0	25.1	2.21
C5	31 Aug 2021	1	17.80	81.45	8.4	33.52	8.1	24.2	1.18
C5	31 Aug 2021	2	17.69	81.52	8.4	33.52	8.1	24.2	1.19
C5	31 Aug 2021	3	17.56	80.42	8.3	33.57	8.1	24.3	1.19
C5	31 Aug 2021	4	17.40	79.73	8.2	33.56	8.1	24.3	1.24
C5	31 Aug 2021	5	16.46	79.12	8.2	33.73	8.0	24.7	1.37
C5	31 Aug 2021	6	14.84	79.66	7.7	33.79	8.0	25.1	1.29
C5	31 Aug 2021	7	13.58	81.99	7.1	33.78	8.0	25.3	1.40
C5	31 Aug 2021	8	13.13	83.67	6.7	33.62	7.9	25.3	1.51
C5	31 Aug 2021	9	13.07	84.12	6.5	33.58	7.9	25.3	1.58
C5	31 Aug 2021	10	13.00	83.85	6.4	33.58	7.9	25.3	1.48
C6	02 Aug 2021	1	15.65	76.85	8.7	33.49	8.2	24.7	0.54
C6	02 Aug 2021	2	15.57	76.52	8.6	33.52	8.2	24.7	0.52
C6	02 Aug 2021	3	14.84	76.92	8.7	33.53	8.2	24.9	0.56
C6	02 Aug 2021	4	14.46	73.25	8.6	33.54	8.2	25.0	0.93
C6	02 Aug 2021	5	14.09	67.70	8.5	33.53	8.2	25.0	1.92
C6	02 Aug 2021	6	13.96	66.37	8.2	33.53	8.2	25.1	3.97
C6	02 Aug 2021	7	12.45	69.56	7.1	33.70	8.1	25.5	5.53
C6	02 Aug 2021	8	12.06	81.62	6.0	33.63	8.0	25.5	6.02
C6	02 Aug 2021	9	12.07	82.48	5.8	33.61	8.0	25.5	4.35
C6	09 Aug 2021	1	19.65	81.28	8.9	33.55	8.2	23.7	1.20
C6	09 Aug 2021	2	19.53	81.16	8.9	33.55	8.2	23.8	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C6	09 Aug 2021	3	19.31	80.71	9.0	33.58	8.2	23.9	1.21
C6	09 Aug 2021	4	18.58	79.82	9.1	33.62	8.2	24.1	1.36
C6	09 Aug 2021	5	17.78	76.80	9.3	33.58	8.2	24.2	1.64
C6	09 Aug 2021	6	17.71	75.39	9.3	33.57	8.2	24.2	2.38
C6	09 Aug 2021	7	17.02	75.09	9.1	33.62	8.2	24.4	2.81
C6	09 Aug 2021	8	16.54	74.93	8.7	33.60	8.1	24.6	3.43
C6	09 Aug 2021	9	15.51	77.81	8.1	33.77	8.1	24.9	3.72
C6	17 Aug 2021	1	21.17	79.03	8.3	33.53	8.2	23.3	1.44
C6	17 Aug 2021	2	21.09	73.55	8.2	33.56	8.2	23.4	1.50
C6	17 Aug 2021	3	20.30	78.44	8.2	33.69	8.2	23.7	1.50
C6	17 Aug 2021	4	18.72	78.06	8.2	33.77	8.2	24.1	1.54
C6	17 Aug 2021	5	17.42	75.94	8.2	33.68	8.1	24.4	1.82
C6	17 Aug 2021	6	16.73	79.55	8.1	33.63	8.1	24.5	2.81
C6	17 Aug 2021	7	15.79	80.62	8.0	33.61	8.1	24.7	2.79
C6	17 Aug 2021	8	15.08	81.36	7.7	33.63	8.1	24.9	2.62
C6	17 Aug 2021	9	14.87	77.90	7.4	33.54	8.0	24.9	2.07
C6	24 Aug 2021	1	17.26	76.98	7.7	33.62	8.1	24.4	2.88
C6	24 Aug 2021	2	16.25	74.99	7.7	33.60	8.1	24.6	2.90
C6	24 Aug 2021	3	15.96	73.69	7.8	33.54	8.1	24.6	3.15
C6	24 Aug 2021	4	15.70	73.83	7.7	33.55	8.1	24.7	4.06
C6	24 Aug 2021	5	15.34	75.23	7.6	33.54	8.1	24.8	4.58
C6	24 Aug 2021	6	15.22	76.54	7.5	33.52	8.1	24.8	4.98
C6	24 Aug 2021	7	14.84	78.34	7.3	33.55	8.1	24.9	5.20
C6	24 Aug 2021	8	14.43	80.40	7.2	33.56	8.0	25.0	4.93
C6	24 Aug 2021	9	13.95	83.25	6.9	33.56	8.0	25.1	4.04
C6	24 Aug 2021	10	13.89	83.13	6.8	33.52	8.0	25.1	3.51
C6	31 Aug 2021	1	18.00	81.29	8.4	33.59	8.1	24.2	1.19
C6	31 Aug 2021	2	17.57	81.09	8.6	33.63	8.1	24.3	1.22
C6	31 Aug 2021	3	16.29	80.13	8.6	33.73	8.1	24.7	1.28
C6	31 Aug 2021	4	15.17	78.96	8.4	33.63	8.1	24.9	1.39
C6	31 Aug 2021	5	14.86	77.44	8.3	33.57	8.0	24.9	1.98
C6	31 Aug 2021	6	14.35	76.17	8.2	33.57	8.0	25.0	2.98
C6	31 Aug 2021	7	14.17	76.47	7.8	33.55	8.0	25.0	3.76
C6	31 Aug 2021	8	13.69	77.85	7.4	33.63	8.0	25.2	4.35
C6	31 Aug 2021	9	13.13	81.18	6.9	33.60	7.9	25.3	4.36
C7	02 Aug 2021	1	15.64	78.98	8.6	33.49	8.2	24.7	0.77
C7	02 Aug 2021	2	15.35	78.92	8.5	33.51	8.2	24.7	0.82
C7	02 Aug 2021	3	14.15	78.71	8.8	33.48	8.2	25.0	1.05
C7	02 Aug 2021	4	13.99	78.02	9.0	33.46	8.2	25.0	1.51
C7	02 Aug 2021	5	13.68	75.42	9.1	33.48	8.2	25.1	1.97
C7	02 Aug 2021	6	13.28	70.66	8.8	33.49	8.2	25.2	3.82
C7	02 Aug 2021	7	13.12	62.71	8.3	33.48	8.1	25.2	12.68
C7	02 Aug 2021	8	12.99	62.84	8.0	33.49	8.1	25.2	19.56
C7	02 Aug 2021	9	12.81	63.61	7.6	33.53	8.1	25.3	21.65
C7	02 Aug 2021	10	12.45	67.35	6.8	33.58	8.1	25.4	19.82
C7	02 Aug 2021	11	12.09	76.25	6.1	33.60	8.0	25.5	16.40
C7	02 Aug 2021	12	11.92	81.49	5.7	33.59	8.0	25.5	9.41
C7	02 Aug 2021	13	11.96	79.64	5.6	33.61	8.0	25.5	5.01
C7	02 Aug 2021	14	11.64	86.31	5.4	33.64	7.9	25.6	3.46
C7	02 Aug 2021	15	11.55	87.02	5.2	33.65	7.9	25.6	2.32
C7	02 Aug 2021	16	11.53	87.30	5.1	33.64	7.9	25.6	1.92
C7	02 Aug 2021	17	11.54	87.26	5.2	33.64	7.9	25.6	1.21
C7	02 Aug 2021	18	11.55	87.14	5.2	33.64	7.9	25.6	0.88
C7	09 Aug 2021	1	20.11	81.05	8.3	33.51	8.2	23.6	1.42
C7	09 Aug 2021	2	19.60	79.65	8.2	33.69	8.2	23.9	1.32
C7	09 Aug 2021	3	17.17	79.21	9.2	33.73	8.2	24.5	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	09 Aug 2021	4	16.63	76.82	9.5	33.58	8.2	24.5	2.02
C7	09 Aug 2021	5	16.31	76.37	9.4	33.57	8.2	24.6	2.79
C7	09 Aug 2021	6	15.73	75.79	9.1	33.59	8.1	24.7	3.16
C7	09 Aug 2021	7	15.40	76.11	8.8	33.54	8.1	24.8	3.67
C7	09 Aug 2021	8	15.30	76.52	8.6	33.54	8.1	24.8	4.08
C7	09 Aug 2021	9	15.19	76.59	8.5	33.54	8.1	24.8	4.40
C7	09 Aug 2021	10	15.05	76.70	8.3	33.54	8.1	24.8	4.40
C7	09 Aug 2021	11	14.84	77.33	8.1	33.55	8.1	24.9	4.81
C7	09 Aug 2021	12	14.65	78.99	7.7	33.56	8.0	24.9	4.61
C7	09 Aug 2021	13	14.29	81.44	7.6	33.58	8.0	25.0	3.94
C7	09 Aug 2021	14	14.05	80.73	7.7	33.57	8.0	25.1	3.40
C7	09 Aug 2021	15	13.79	80.79	7.5	33.57	8.0	25.1	3.21
C7	09 Aug 2021	16	13.67	81.29	7.1	33.56	8.0	25.1	2.97
C7	09 Aug 2021	17	13.63	83.22	6.8	33.56	8.0	25.1	3.04
C7	09 Aug 2021	18	13.58	83.87	6.7	33.56	7.9	25.2	2.36
C7	17 Aug 2021	1	21.54	79.70	8.4	33.53	8.2	23.2	1.38
C7	17 Aug 2021	2	21.28	79.14	8.4	33.58	8.2	23.3	1.41
C7	17 Aug 2021	3	20.31	79.51	8.4	33.68	8.2	23.7	1.46
C7	17 Aug 2021	4	17.73	79.18	8.8	33.75	8.2	24.4	1.67
C7	17 Aug 2021	5	17.22	79.07	9.0	33.54	8.2	24.3	1.95
C7	17 Aug 2021	6	17.06	79.22	9.1	33.52	8.2	24.4	2.16
C7	17 Aug 2021	7	16.94	79.21	9.1	33.51	8.2	24.4	2.30
C7	17 Aug 2021	8	16.70	79.20	9.1	33.53	8.2	24.5	2.32
C7	17 Aug 2021	9	16.39	79.17	9.1	33.51	8.1	24.5	2.48
C7	17 Aug 2021	10	16.30	79.42	9.0	33.49	8.1	24.5	2.58
C7	17 Aug 2021	11	16.21	80.24	9.0	33.48	8.1	24.5	2.65
C7	17 Aug 2021	12	16.08	81.22	9.1	33.48	8.1	24.6	2.47
C7	17 Aug 2021	13	16.02	80.28	9.1	33.50	8.1	24.6	2.37
C7	17 Aug 2021	14	15.64	79.06	9.0	33.52	8.1	24.7	2.40
C7	17 Aug 2021	15	15.44	79.03	8.8	33.50	8.1	24.7	2.60
C7	17 Aug 2021	16	15.11	78.94	8.7	33.51	8.1	24.8	2.76
C7	17 Aug 2021	17	14.25	79.76	8.1	33.63	8.1	25.1	3.10
C7	24 Aug 2021	1	17.35	79.06	7.9	33.53	8.1	24.3	2.11
C7	24 Aug 2021	2	16.67	76.62	7.9	33.63	8.1	24.5	2.15
C7	24 Aug 2021	3	15.81	73.97	7.9	33.64	8.1	24.7	2.27
C7	24 Aug 2021	4	15.10	72.16	7.7	33.61	8.1	24.9	2.76
C7	24 Aug 2021	5	14.71	73.69	7.6	33.55	8.1	24.9	3.56
C7	24 Aug 2021	6	14.54	75.25	7.6	33.52	8.1	24.9	4.64
C7	24 Aug 2021	7	14.43	77.54	7.4	33.52	8.0	24.9	5.04
C7	24 Aug 2021	8	14.13	79.07	7.3	33.53	8.0	25.0	4.94
C7	24 Aug 2021	9	13.91	79.20	7.3	33.53	8.0	25.1	4.46
C7	24 Aug 2021	10	13.67	80.15	7.2	33.52	8.0	25.1	4.26
C7	24 Aug 2021	11	13.59	80.97	7.1	33.50	8.0	25.1	4.05
C7	24 Aug 2021	12	13.58	81.52	7.0	33.49	8.0	25.1	4.07
C7	24 Aug 2021	13	13.56	82.10	6.9	33.49	8.0	25.1	3.44
C7	24 Aug 2021	14	13.53	82.62	6.9	33.50	8.0	25.1	3.30
C7	24 Aug 2021	15	13.50	82.93	6.9	33.50	8.0	25.1	3.21
C7	24 Aug 2021	16	13.45	83.52	6.8	33.51	8.0	25.1	2.97
C7	24 Aug 2021	17	13.26	84.27	6.6	33.53	8.0	25.2	2.62
C7	24 Aug 2021	18	13.18	85.20	6.4	33.52	7.9	25.2	2.81
C7	31 Aug 2021	1	17.75	81.84	8.2	33.53	8.1	24.2	1.40
C7	31 Aug 2021	2	17.38	81.66	8.2	33.60	8.1	24.3	1.37
C7	31 Aug 2021	3	16.56	81.08	8.2	33.62	8.0	24.6	1.52
C7	31 Aug 2021	4	15.89	80.63	8.2	33.62	8.0	24.7	1.90
C7	31 Aug 2021	5	14.94	79.93	8.1	33.62	8.0	24.9	2.45
C7	31 Aug 2021	6	14.25	79.42	8.0	33.58	8.0	25.0	2.92
C7	31 Aug 2021	7	13.60	79.94	7.8	33.54	8.0	25.1	3.51
C7	31 Aug 2021	8	13.35	80.56	7.7	33.49	8.0	25.2	3.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	31 Aug 2021	9	13.29	81.06	7.7	33.47	8.0	25.1	4.02
C7	31 Aug 2021	10	13.14	81.44	7.6	33.48	8.0	25.2	3.87
C7	31 Aug 2021	11	13.07	81.68	7.6	33.47	8.0	25.2	3.82
C7	31 Aug 2021	12	13.06	81.69	7.5	33.48	8.0	25.2	3.82
C7	31 Aug 2021	13	12.99	81.60	7.4	33.49	8.0	25.2	3.79
C7	31 Aug 2021	14	12.91	82.38	7.3	33.51	8.0	25.3	3.84
C7	31 Aug 2021	15	12.77	83.49	7.0	33.53	7.9	25.3	3.66
C7	31 Aug 2021	16	12.62	84.75	6.6	33.56	7.9	25.3	3.54
C7	31 Aug 2021	17	12.47	85.66	6.2	33.58	7.9	25.4	3.29
C7	31 Aug 2021	18	12.36	86.08	5.9	33.58	7.8	25.4	2.80
C8	02 Aug 2021	1	15.36	82.09	8.8	33.45	8.2	24.7	0.55
C8	02 Aug 2021	2	15.36	81.60	8.8	33.46	8.2	24.7	0.54
C8	02 Aug 2021	3	15.27	81.32	8.7	33.47	8.2	24.7	0.56
C8	02 Aug 2021	4	14.22	79.82	8.6	33.58	8.2	25.0	0.64
C8	02 Aug 2021	5	13.33	77.10	8.6	33.51	8.2	25.2	1.05
C8	02 Aug 2021	6	13.15	72.22	8.4	33.46	8.2	25.2	2.19
C8	02 Aug 2021	7	13.08	71.99	8.1	33.46	8.1	25.2	4.22
C8	02 Aug 2021	8	12.91	74.92	7.8	33.47	8.1	25.2	5.02
C8	02 Aug 2021	9	12.46	77.33	7.4	33.55	8.1	25.4	4.99
C8	02 Aug 2021	10	12.41	77.87	6.9	33.52	8.1	25.4	4.69
C8	02 Aug 2021	11	12.29	81.32	6.8	33.54	8.0	25.4	4.24
C8	02 Aug 2021	12	12.27	81.96	6.7	33.54	8.0	25.4	4.02
C8	02 Aug 2021	13	12.24	82.07	6.5	33.55	8.0	25.4	3.67
C8	02 Aug 2021	14	12.09	82.33	6.3	33.59	8.0	25.5	3.39
C8	02 Aug 2021	15	11.96	83.84	5.9	33.60	8.0	25.5	2.88
C8	02 Aug 2021	16	11.83	84.62	5.8	33.61	8.0	25.5	2.35
C8	02 Aug 2021	17	11.71	85.53	5.6	33.62	8.0	25.6	2.18
C8	02 Aug 2021	18	11.66	86.20	5.4	33.62	8.0	25.6	1.93
C8	02 Aug 2021	19	11.66	85.62	5.4	33.62	7.9	25.6	1.82
C8	09 Aug 2021	1	19.14	81.28	8.4	33.56	8.2	23.9	1.32
C8	09 Aug 2021	2	18.19	81.30	8.5	33.62	8.1	24.2	1.17
C8	09 Aug 2021	3	17.79	80.61	8.6	33.55	8.1	24.2	1.23
C8	09 Aug 2021	4	17.61	79.98	8.6	33.53	8.1	24.2	1.36
C8	09 Aug 2021	5	17.34	78.80	8.7	33.56	8.1	24.3	1.56
C8	09 Aug 2021	6	17.11	77.52	9.0	33.56	8.2	24.4	1.83
C8	09 Aug 2021	7	15.61	77.62	9.2	33.70	8.2	24.8	2.33
C8	09 Aug 2021	8	15.06	77.95	8.9	33.57	8.1	24.9	2.78
C8	09 Aug 2021	9	15.00	77.79	8.7	33.54	8.1	24.8	2.88
C8	09 Aug 2021	10	14.94	77.88	8.6	33.54	8.1	24.9	3.36
C8	09 Aug 2021	11	14.72	78.27	8.5	33.55	8.1	24.9	3.62
C8	09 Aug 2021	12	14.52	79.14	8.2	33.56	8.1	25.0	3.89
C8	09 Aug 2021	13	14.36	80.04	8.1	33.55	8.1	25.0	3.93
C8	09 Aug 2021	14	14.01	81.04	7.8	33.60	8.0	25.1	3.71
C8	09 Aug 2021	15	13.86	82.81	7.6	33.53	8.0	25.1	3.53
C8	09 Aug 2021	16	13.58	83.26	7.4	33.62	8.0	25.2	3.14
C8	09 Aug 2021	17	13.41	83.85	7.2	33.56	8.0	25.2	2.70
C8	09 Aug 2021	18	13.29	84.66	7.0	33.56	8.0	25.2	2.52
C8	09 Aug 2021	19	13.27	84.65	6.8	33.55	8.0	25.2	2.16
C8	17 Aug 2021	1	21.44	77.67	8.6	33.52	8.2	23.2	1.80
C8	17 Aug 2021	2	21.43	77.56	8.6	33.53	8.2	23.3	1.78
C8	17 Aug 2021	3	21.31	77.26	8.6	33.54	8.2	23.3	1.79
C8	17 Aug 2021	4	20.93	76.90	8.6	33.59	8.2	23.4	1.94
C8	17 Aug 2021	5	19.77	76.41	8.7	33.65	8.2	23.8	2.17
C8	17 Aug 2021	6	19.29	75.26	8.8	33.57	8.2	23.9	2.61
C8	17 Aug 2021	7	19.12	75.45	8.8	33.55	8.2	23.9	3.20
C8	17 Aug 2021	8	18.46	75.75	8.8	33.63	8.2	24.1	3.50
C8	17 Aug 2021	9	17.54	76.21	8.9	33.60	8.2	24.3	3.62
C8	17 Aug 2021	10	17.04	76.54	8.9	33.58	8.2	24.4	3.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C8	17 Aug 2021	11	16.73	76.38	8.8	33.54	8.1	24.5	3.75
C8	17 Aug 2021	12	16.40	76.33	8.7	33.55	8.1	24.5	3.77
C8	17 Aug 2021	13	15.95	76.68	8.6	33.56	8.1	24.6	4.06
C8	17 Aug 2021	14	15.44	77.28	8.5	33.56	8.1	24.8	4.04
C8	17 Aug 2021	15	15.19	78.42	8.4	33.52	8.1	24.8	4.09
C8	17 Aug 2021	16	15.03	79.74	8.2	33.52	8.1	24.8	3.78
C8	17 Aug 2021	17	14.86	81.02	8.0	33.53	8.1	24.9	3.51
C8	17 Aug 2021	18	13.74	81.93	7.6	33.68	8.0	25.2	3.08
C8	17 Aug 2021	19	13.30	83.03	7.1	33.56	8.0	25.2	2.47
C8	24 Aug 2021	1	18.34	76.14	7.9	33.52	8.1	24.1	1.81
C8	24 Aug 2021	2	16.67	72.34	7.8	33.79	8.1	24.7	1.83
C8	24 Aug 2021	3	14.99	71.34	7.8	33.65	8.1	24.9	2.00
C8	24 Aug 2021	4	14.50	73.88	7.7	33.54	8.1	25.0	2.79
C8	24 Aug 2021	5	14.27	75.93	7.6	33.53	8.1	25.0	3.77
C8	24 Aug 2021	6	13.95	78.24	7.4	33.55	8.0	25.1	4.29
C8	24 Aug 2021	7	13.68	81.23	7.2	33.51	8.0	25.1	4.38
C8	24 Aug 2021	8	13.63	82.74	7.1	33.51	8.0	25.1	3.85
C8	24 Aug 2021	9	13.58	83.07	7.0	33.50	8.0	25.1	3.34
C8	24 Aug 2021	10	13.59	83.36	7.0	33.50	8.0	25.1	2.74
C8	24 Aug 2021	11	13.56	83.54	7.0	33.50	8.0	25.1	2.54
C8	24 Aug 2021	12	13.54	83.60	7.0	33.50	8.0	25.1	2.36
C8	24 Aug 2021	13	13.40	84.08	6.9	33.52	8.0	25.2	2.13
C8	24 Aug 2021	14	13.28	84.66	6.8	33.53	8.0	25.2	1.98
C8	24 Aug 2021	15	12.85	85.30	6.5	33.60	8.0	25.3	1.86
C8	24 Aug 2021	16	12.69	85.95	6.2	33.55	7.9	25.3	1.66
C8	24 Aug 2021	17	12.67	86.04	6.1	33.54	7.9	25.3	1.50
C8	24 Aug 2021	18	12.62	86.33	6.1	33.55	7.9	25.3	1.24
C8	24 Aug 2021	19	12.56	86.32	6.0	33.55	7.9	25.4	1.03
C8	31 Aug 2021	1	17.19	77.73	8.5	33.53	8.0	24.3	3.15
C8	31 Aug 2021	2	16.94	77.79	8.4	33.57	8.1	24.4	3.20
C8	31 Aug 2021	3	15.95	76.86	8.5	33.62	8.1	24.7	3.42
C8	31 Aug 2021	4	15.17	76.11	8.7	33.57	8.1	24.8	3.91
C8	31 Aug 2021	5	14.48	76.03	8.6	33.61	8.1	25.0	4.39
C8	31 Aug 2021	6	13.93	74.97	8.5	33.53	8.0	25.1	4.89
C8	31 Aug 2021	7	13.70	72.91	8.3	33.51	8.0	25.1	5.73
C8	31 Aug 2021	8	13.31	72.41	8.1	33.53	8.0	25.2	6.38
C8	31 Aug 2021	9	13.13	75.24	7.9	33.49	8.0	25.2	7.24
C8	31 Aug 2021	10	12.99	78.03	7.8	33.48	8.0	25.2	7.30
C8	31 Aug 2021	11	12.87	79.95	7.7	33.46	8.0	25.2	6.43
C8	31 Aug 2021	12	12.83	81.42	7.8	33.44	8.0	25.2	5.57
C8	31 Aug 2021	13	12.80	82.06	7.7	33.45	8.0	25.2	4.83
C8	31 Aug 2021	14	12.74	82.78	7.5	33.47	8.0	25.3	4.50
C8	31 Aug 2021	15	12.62	83.66	7.1	33.54	7.9	25.3	4.05
C8	31 Aug 2021	16	12.53	84.31	6.7	33.55	7.9	25.4	3.72
C8	31 Aug 2021	17	12.43	85.45	6.3	33.56	7.9	25.4	3.30
C8	31 Aug 2021	18	12.42	86.04	6.1	33.56	7.8	25.4	2.85
C8	31 Aug 2021	19	12.37	86.26	5.9	33.58	7.8	25.4	2.44

NA = not available

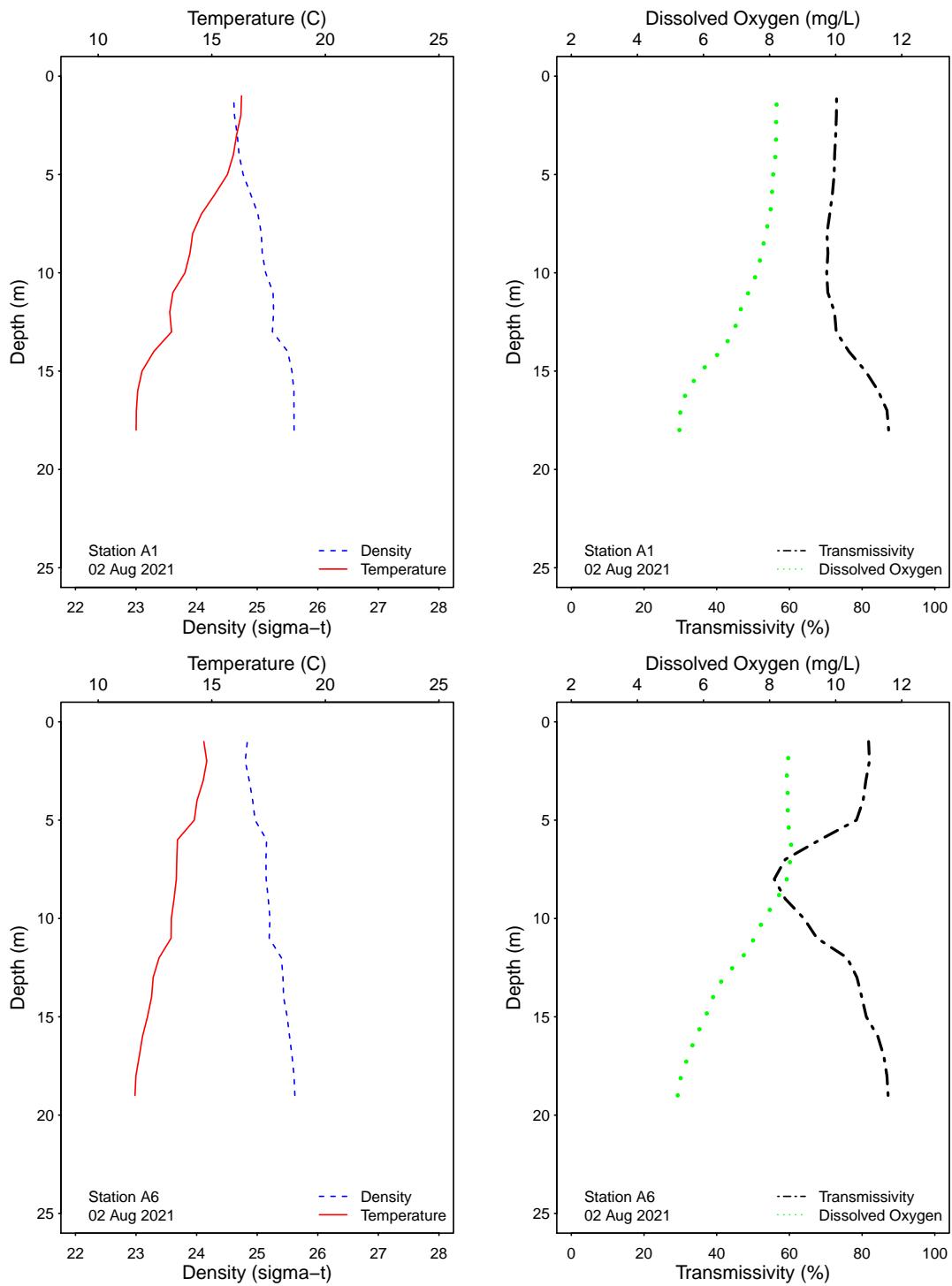


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

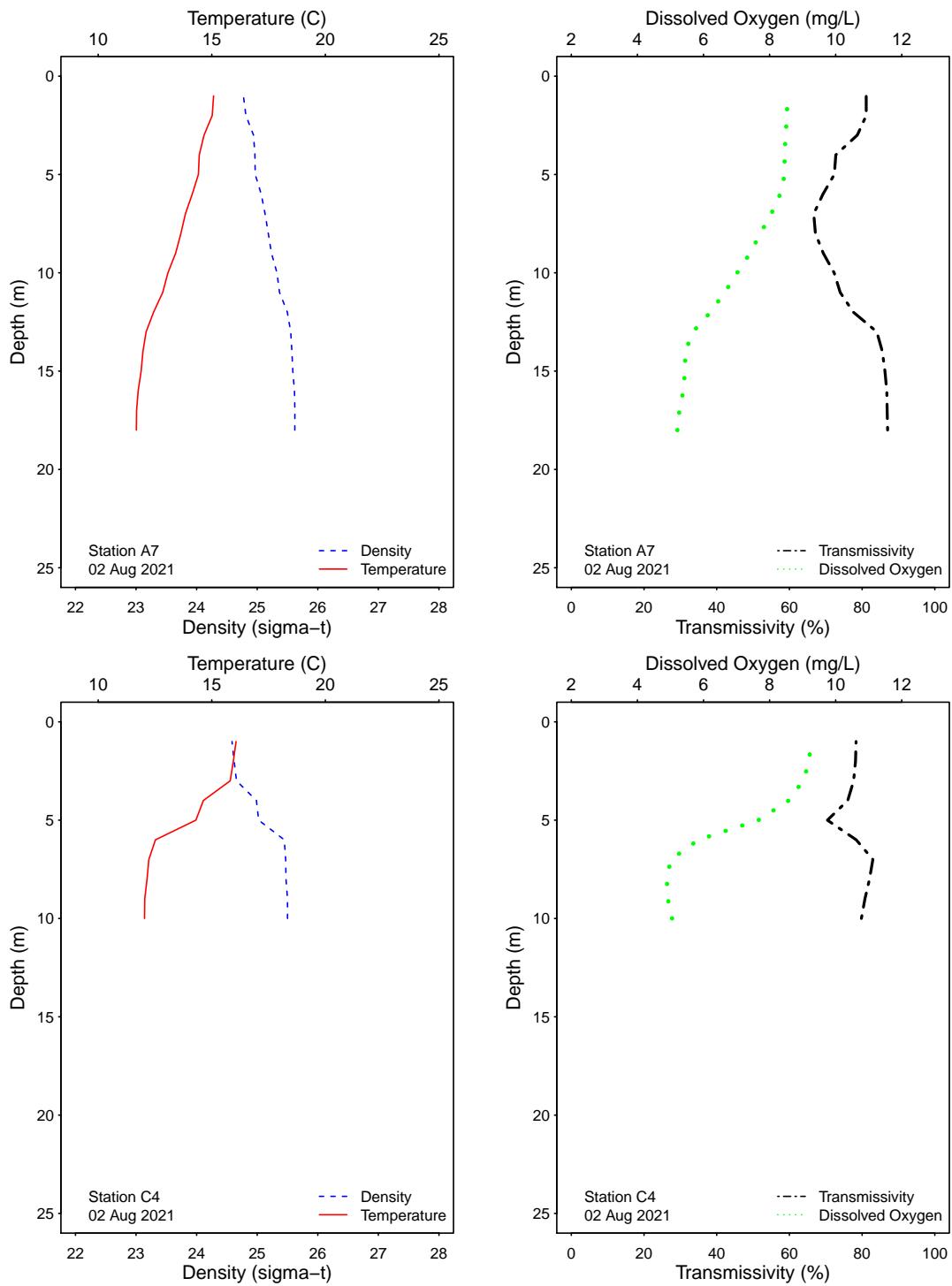


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

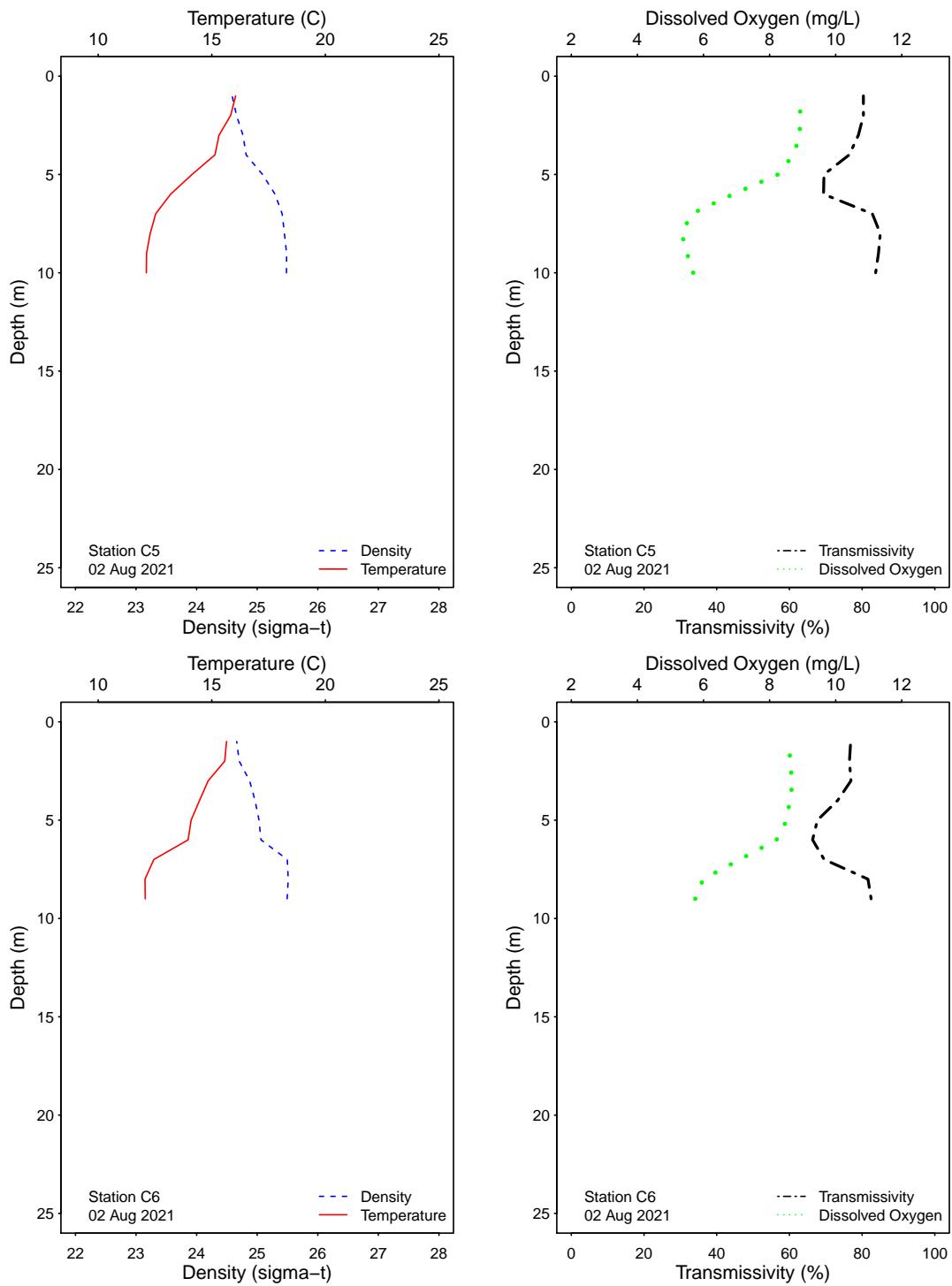


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

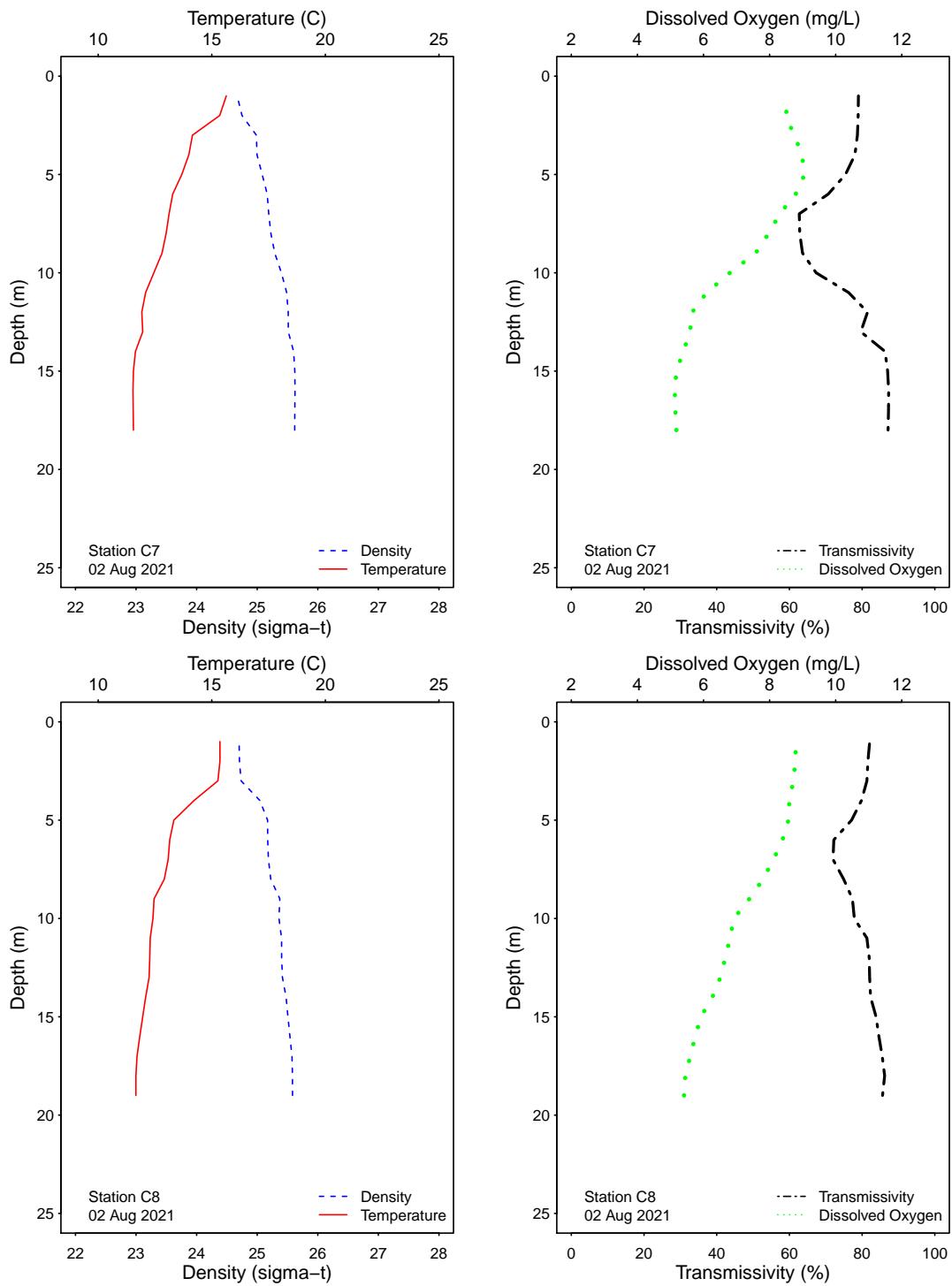


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

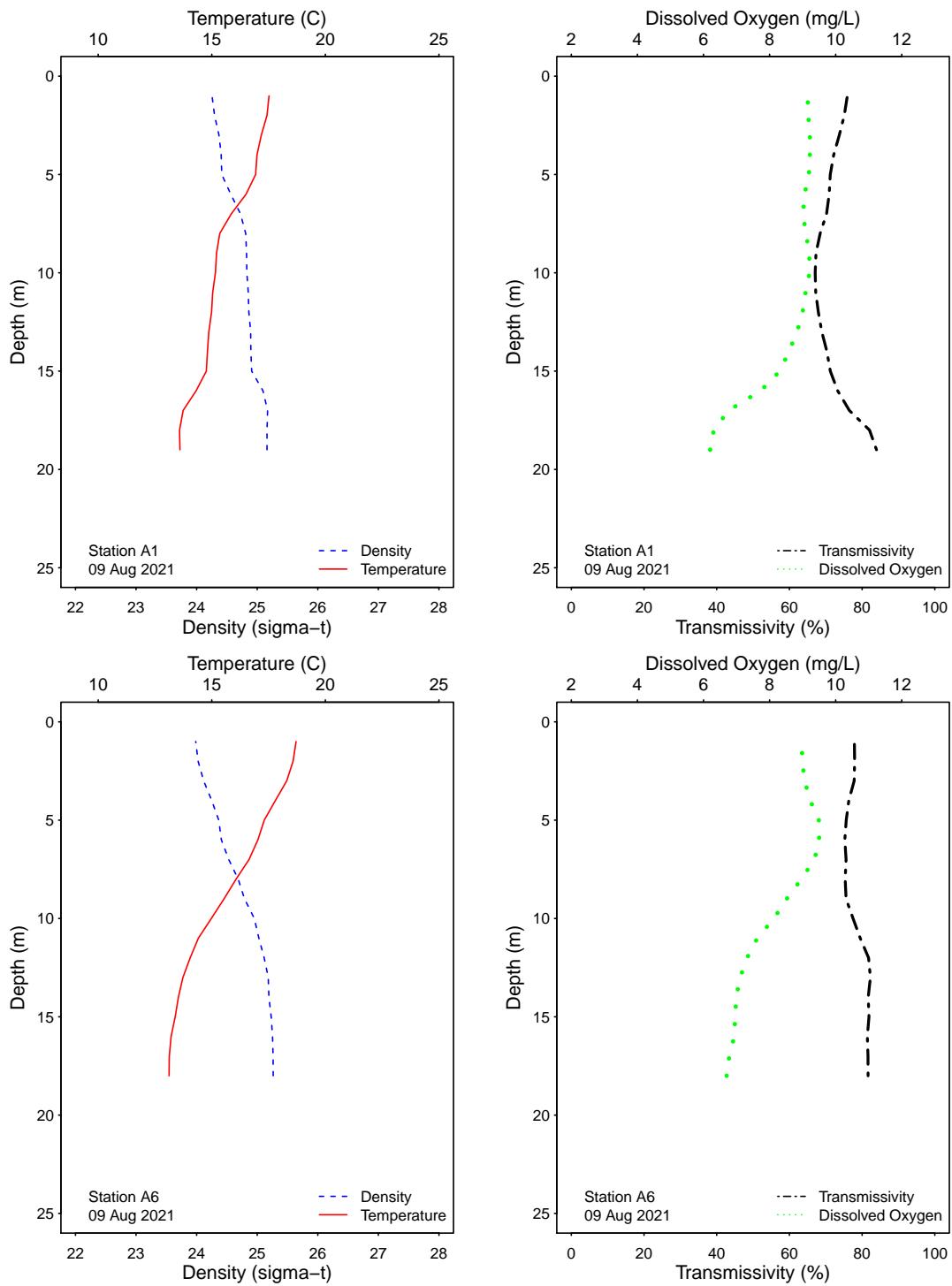


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

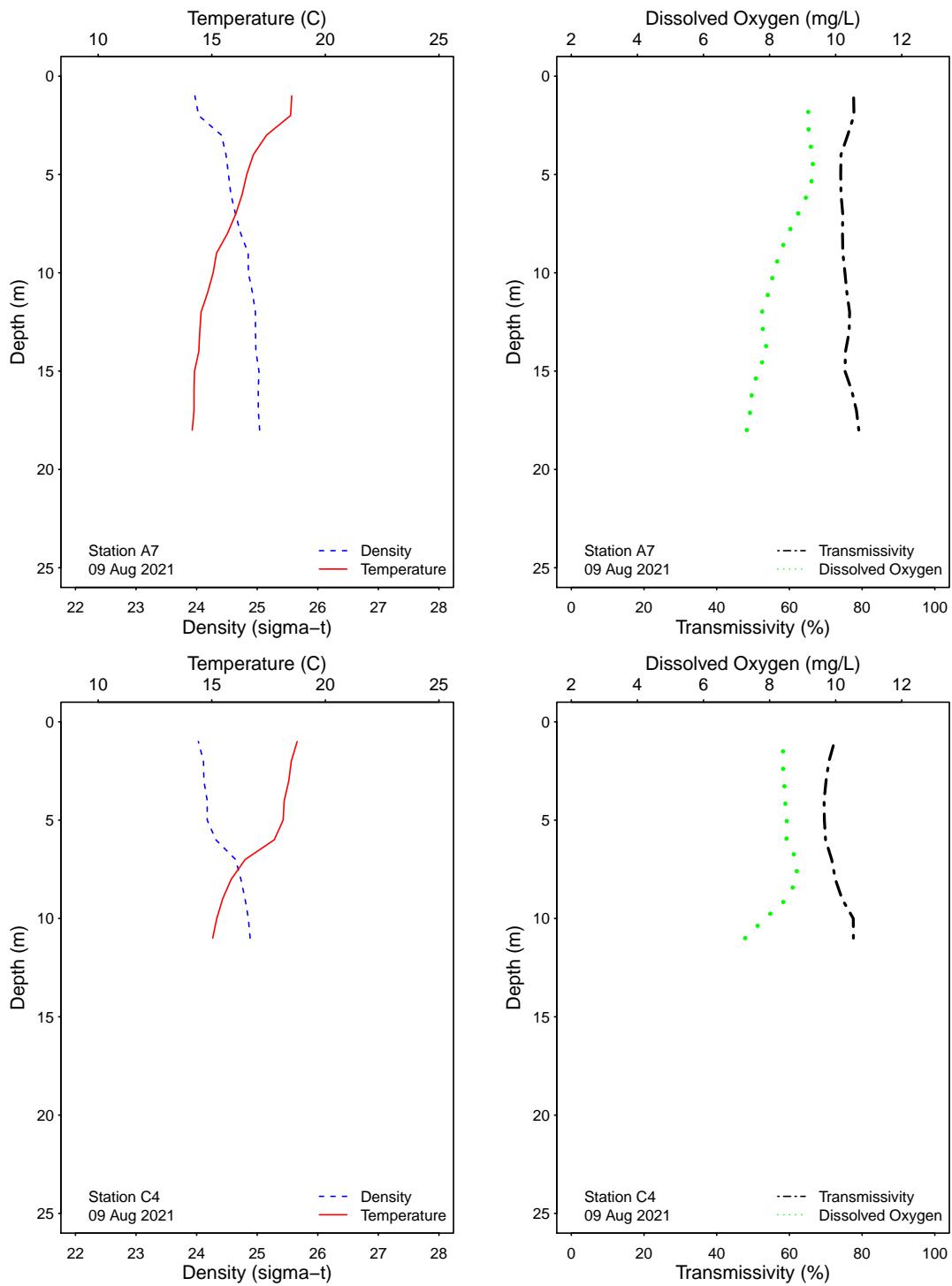


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

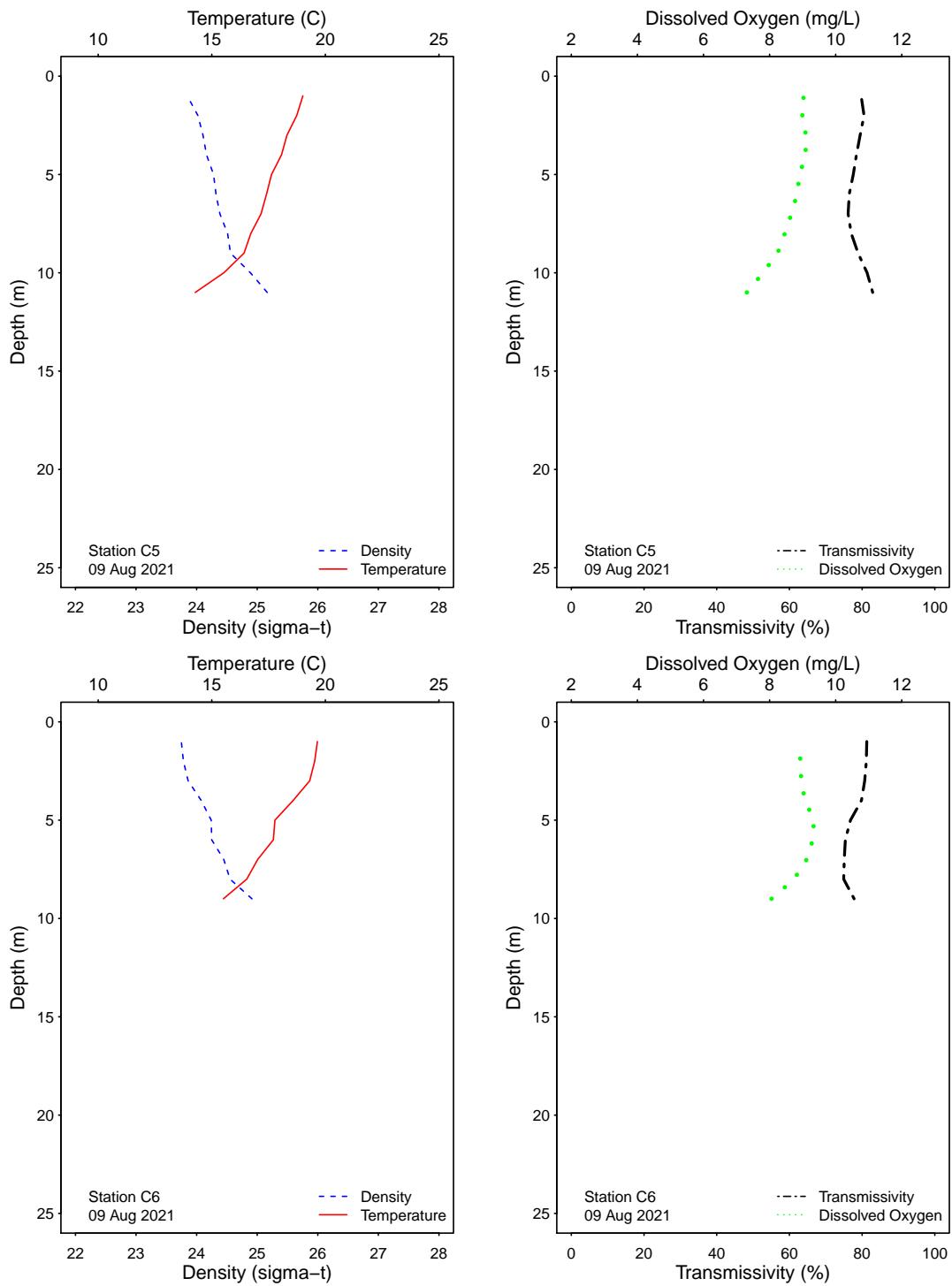


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

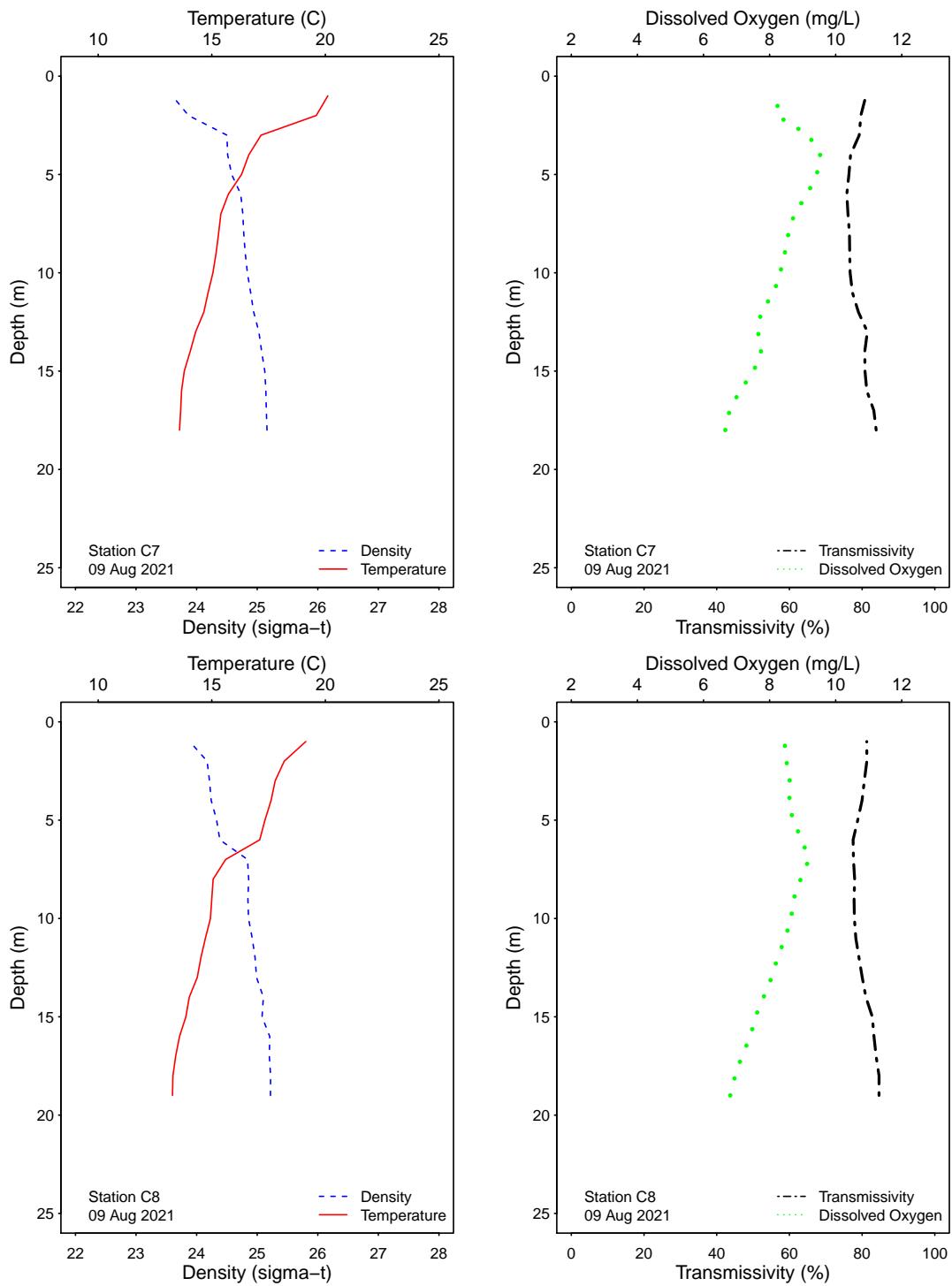


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

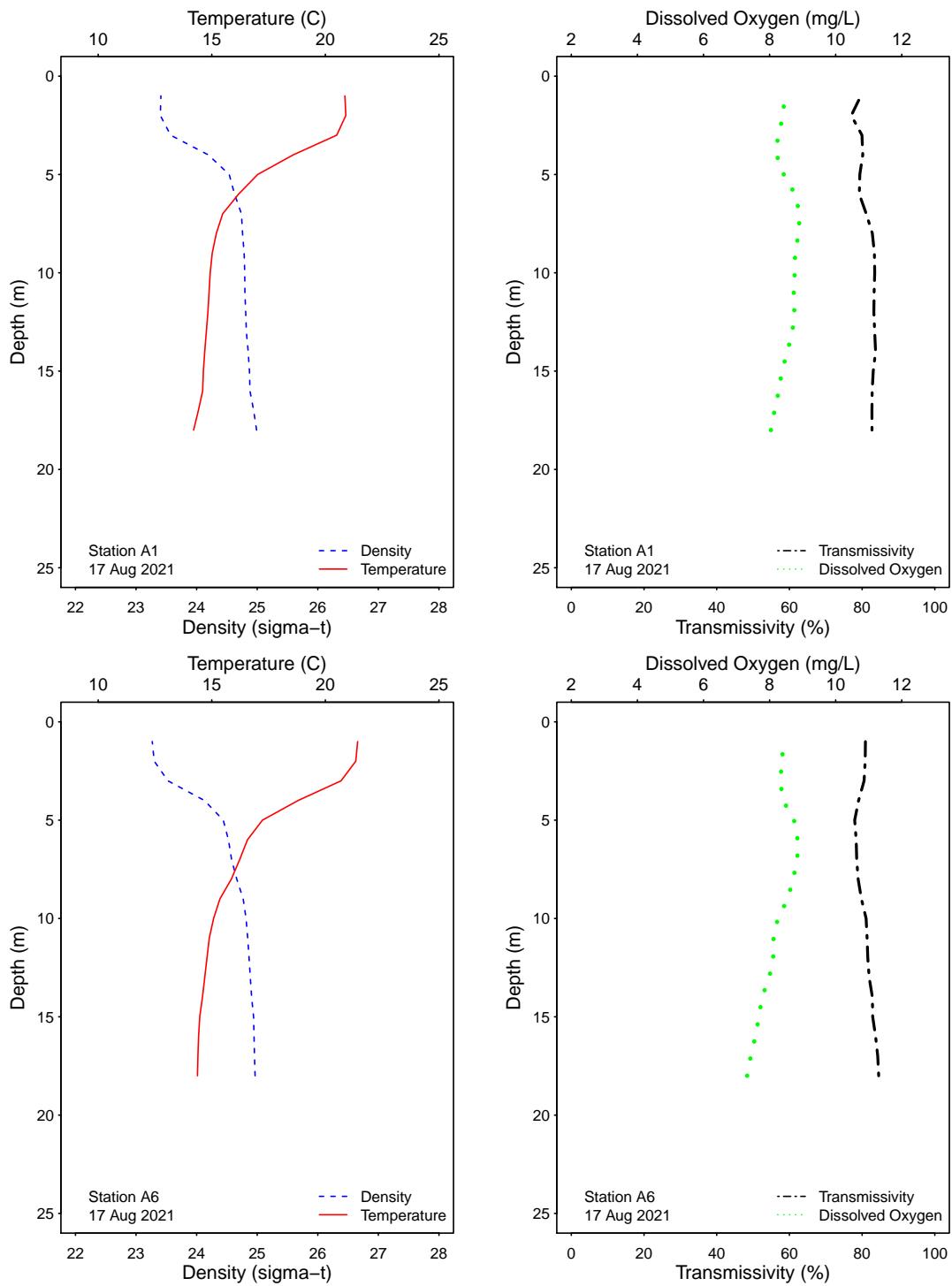


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

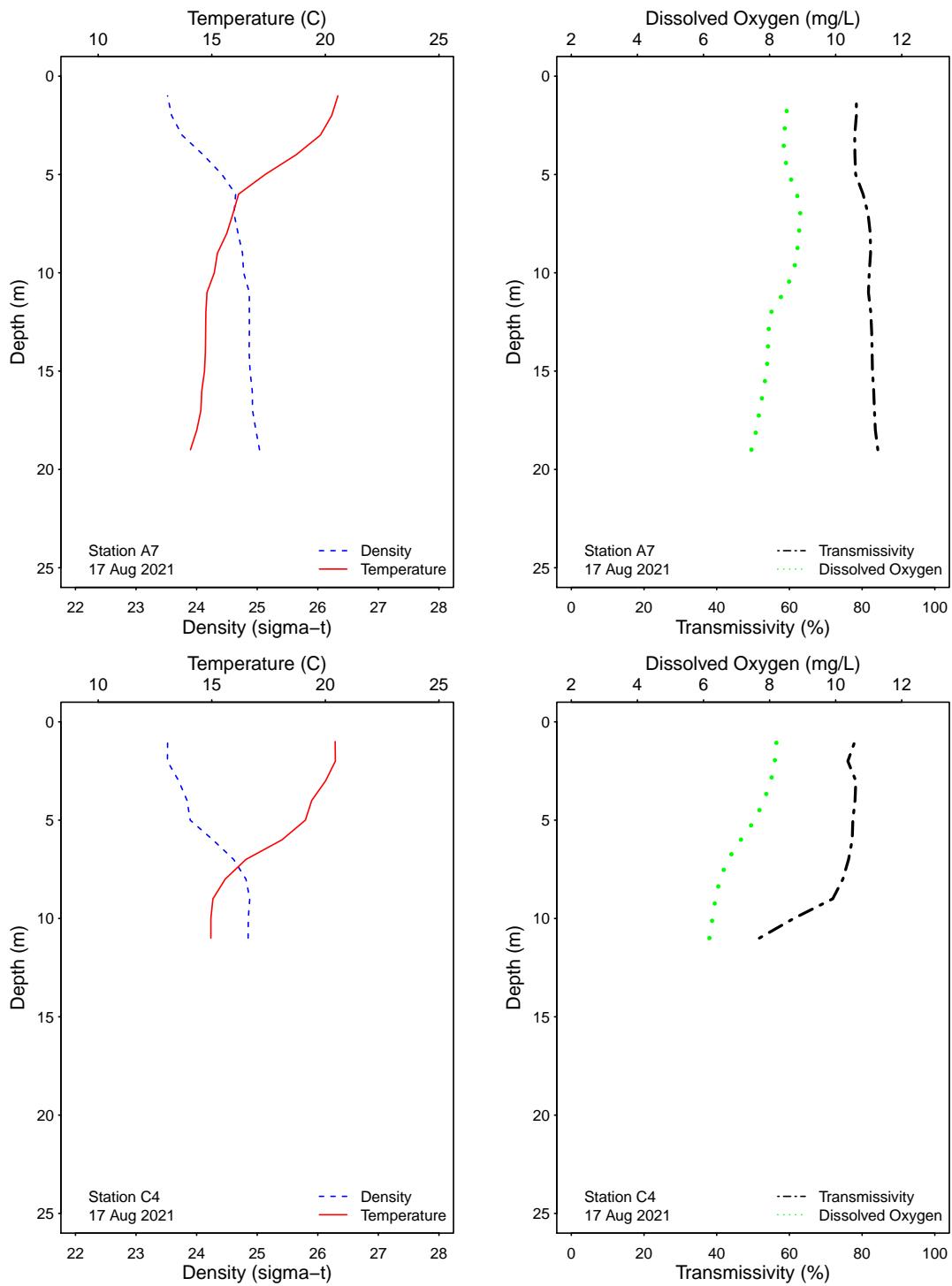


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

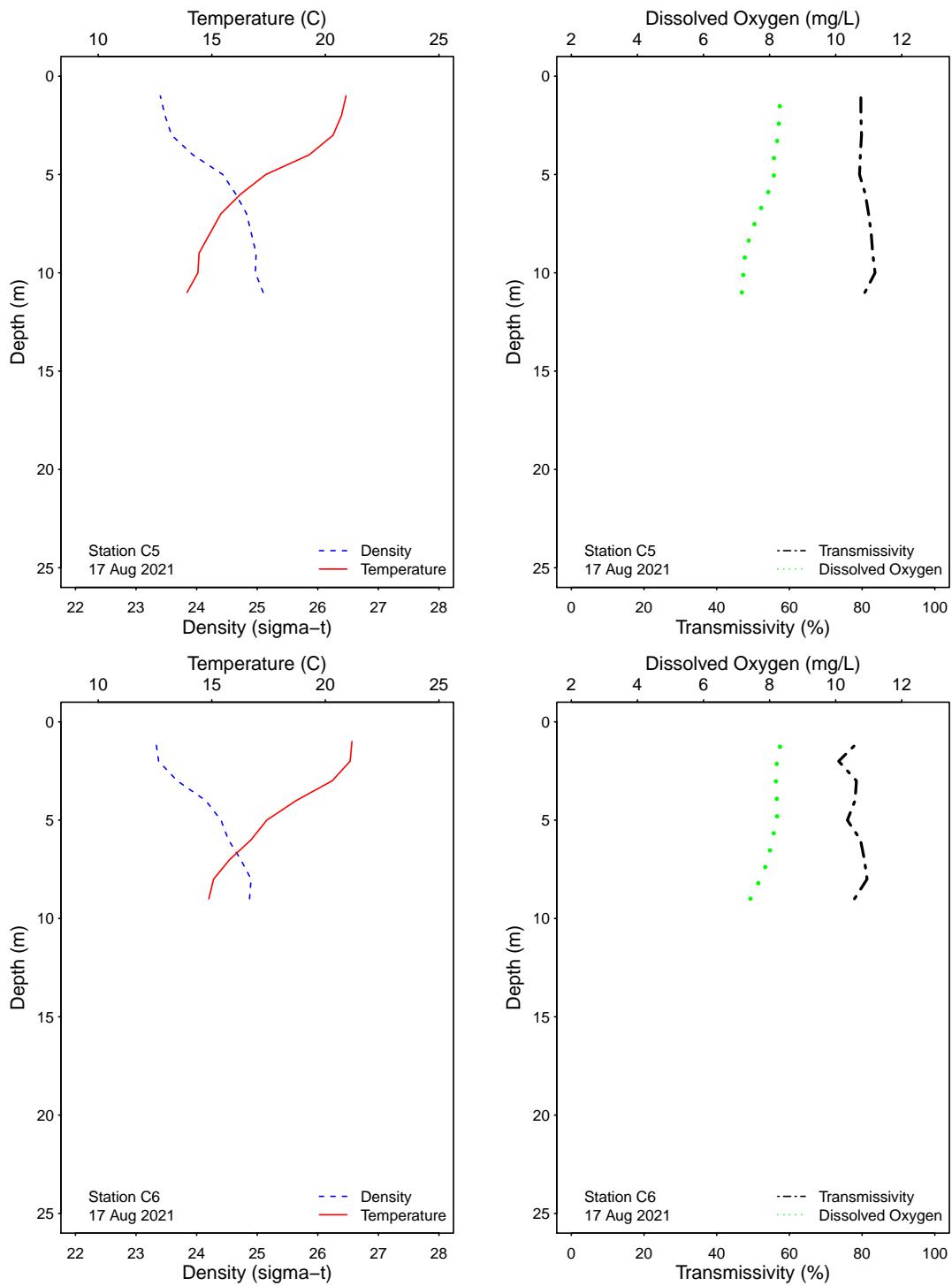


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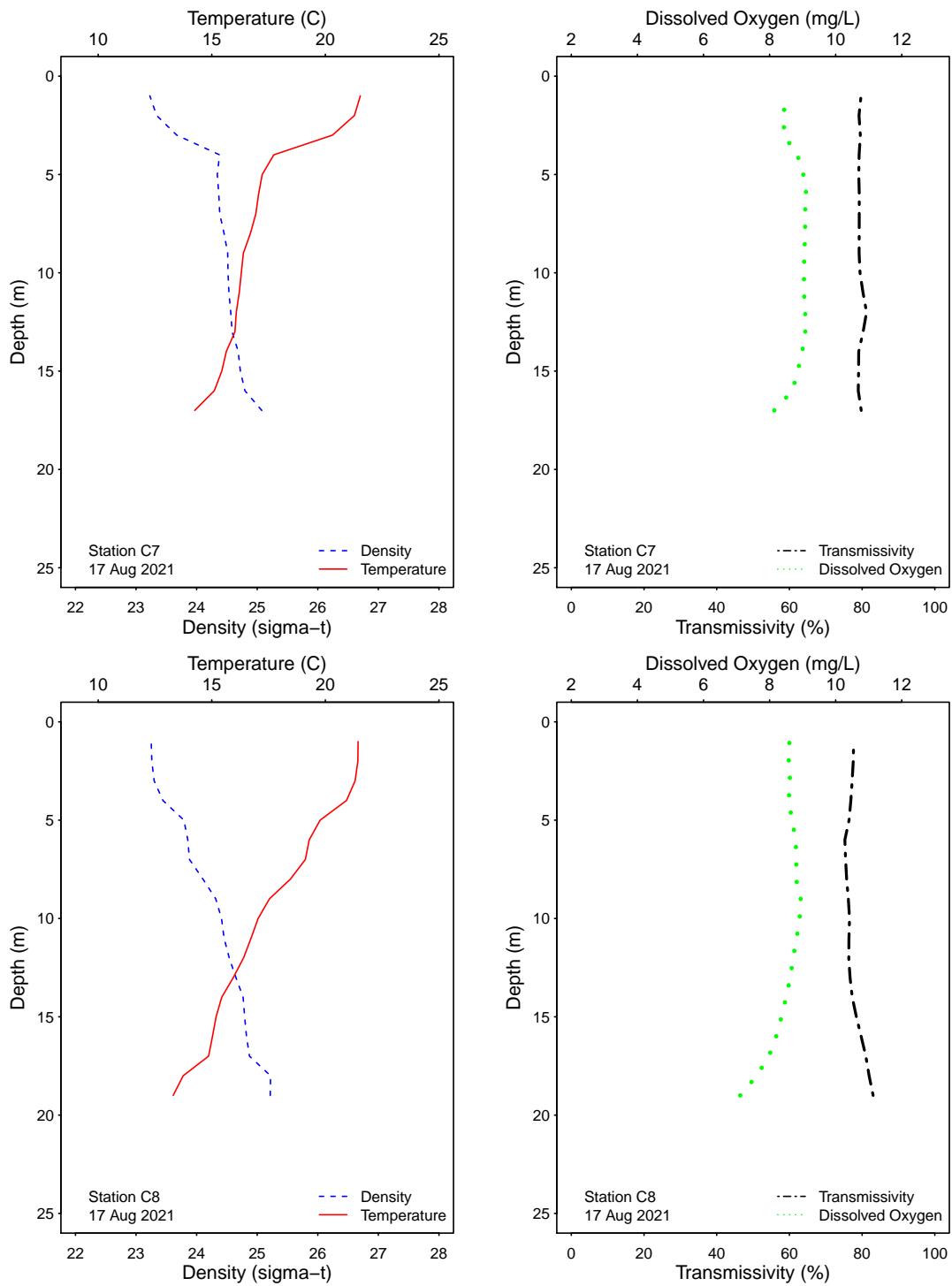


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

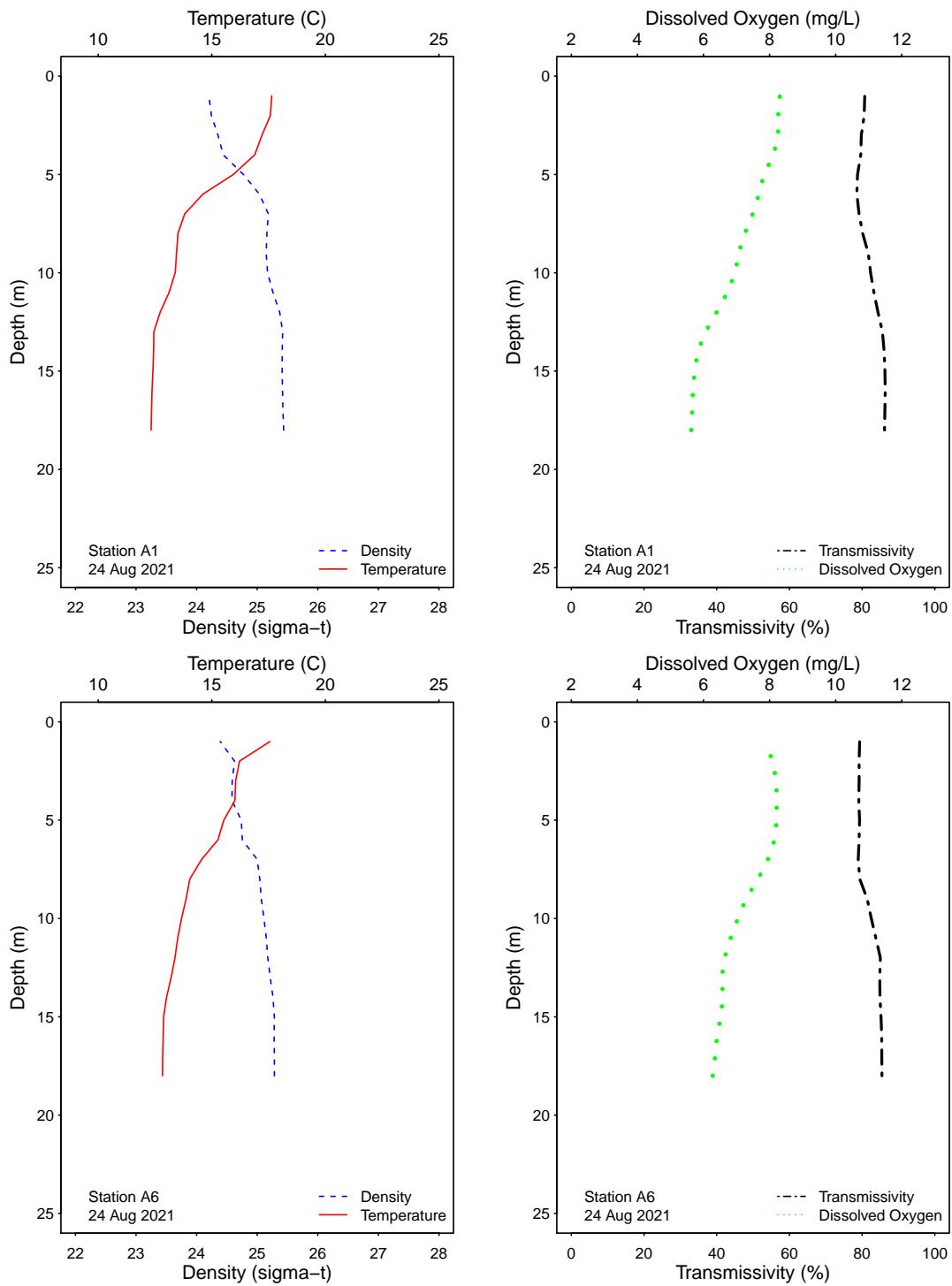


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

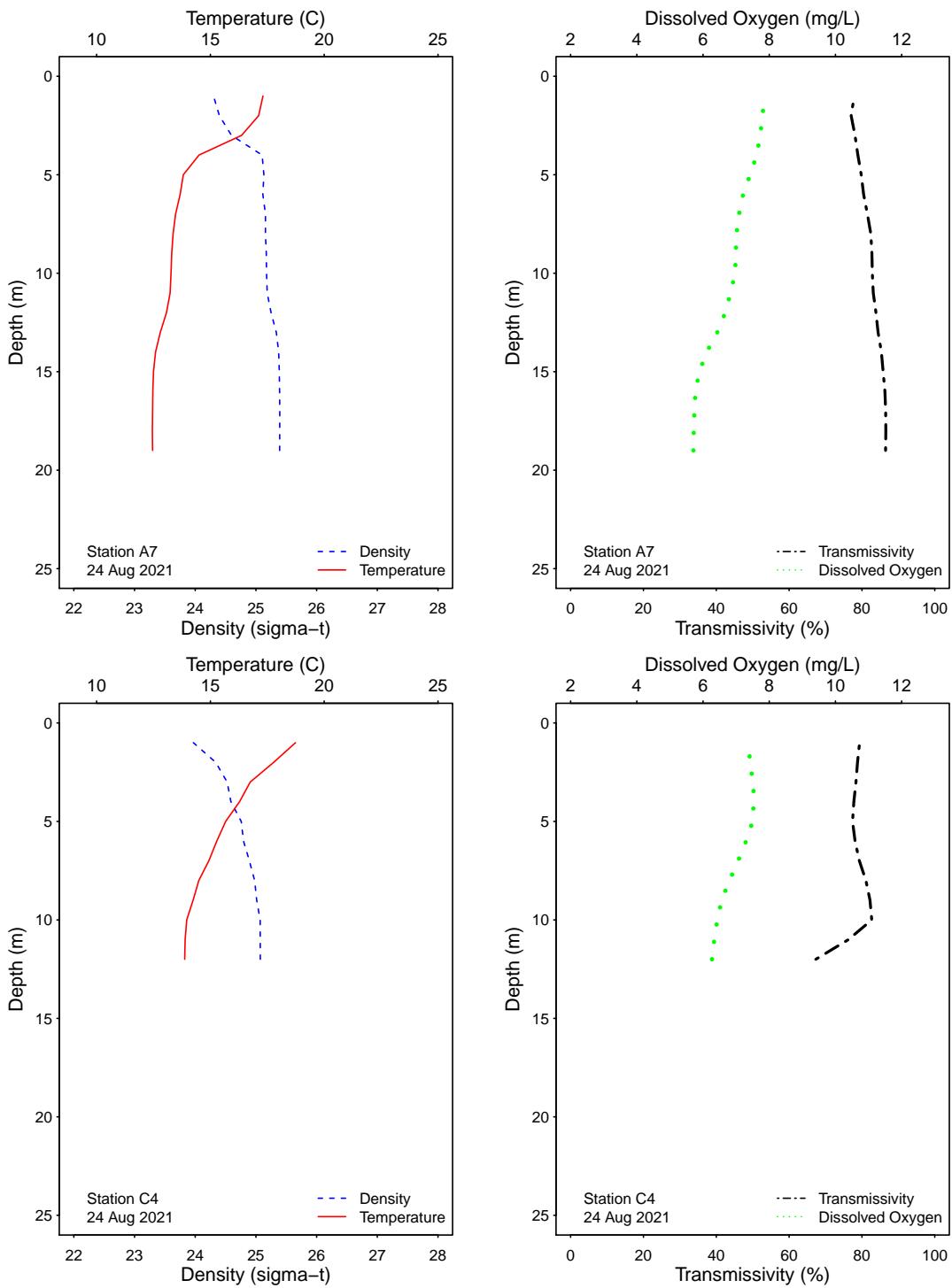


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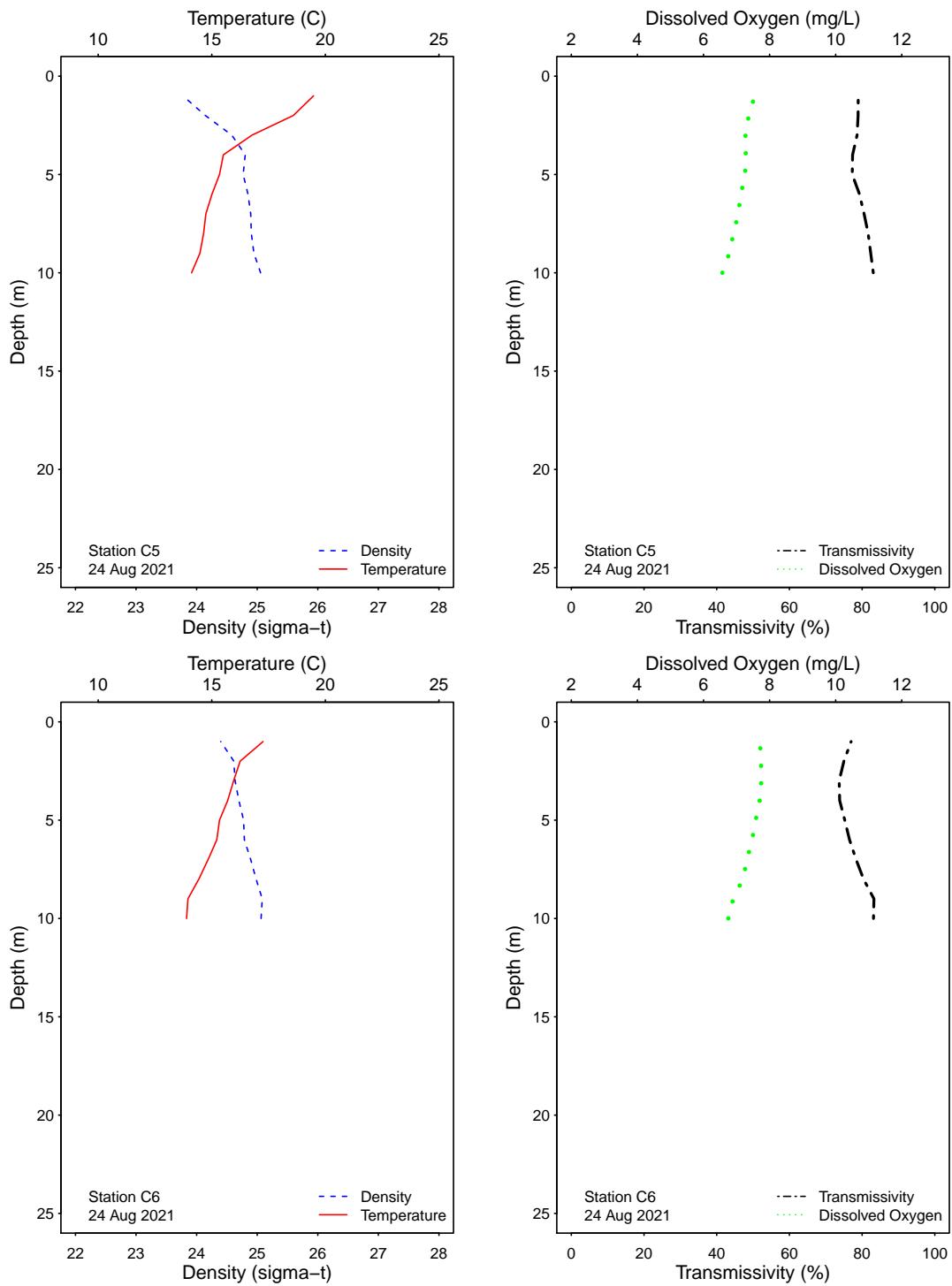


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

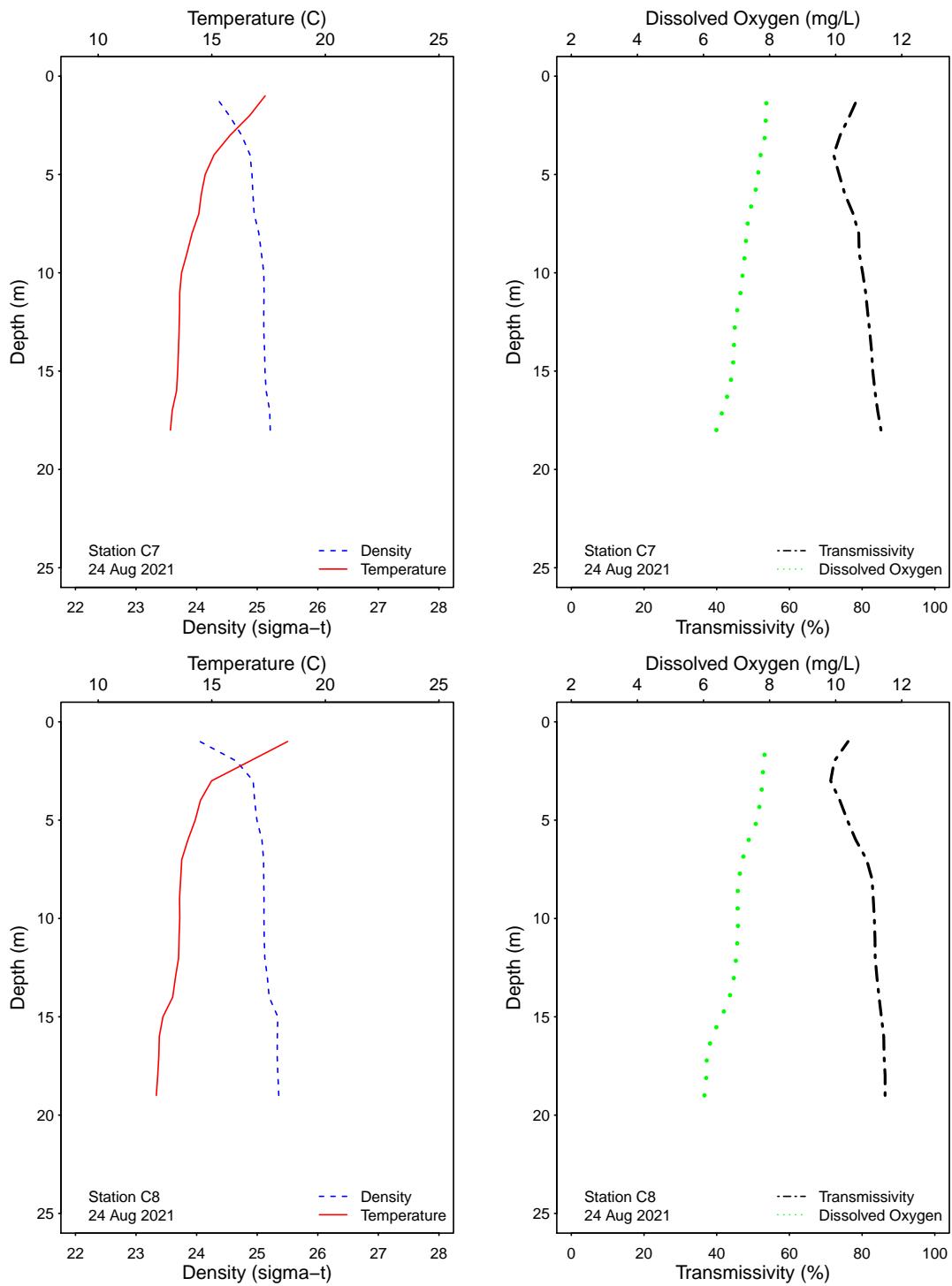


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

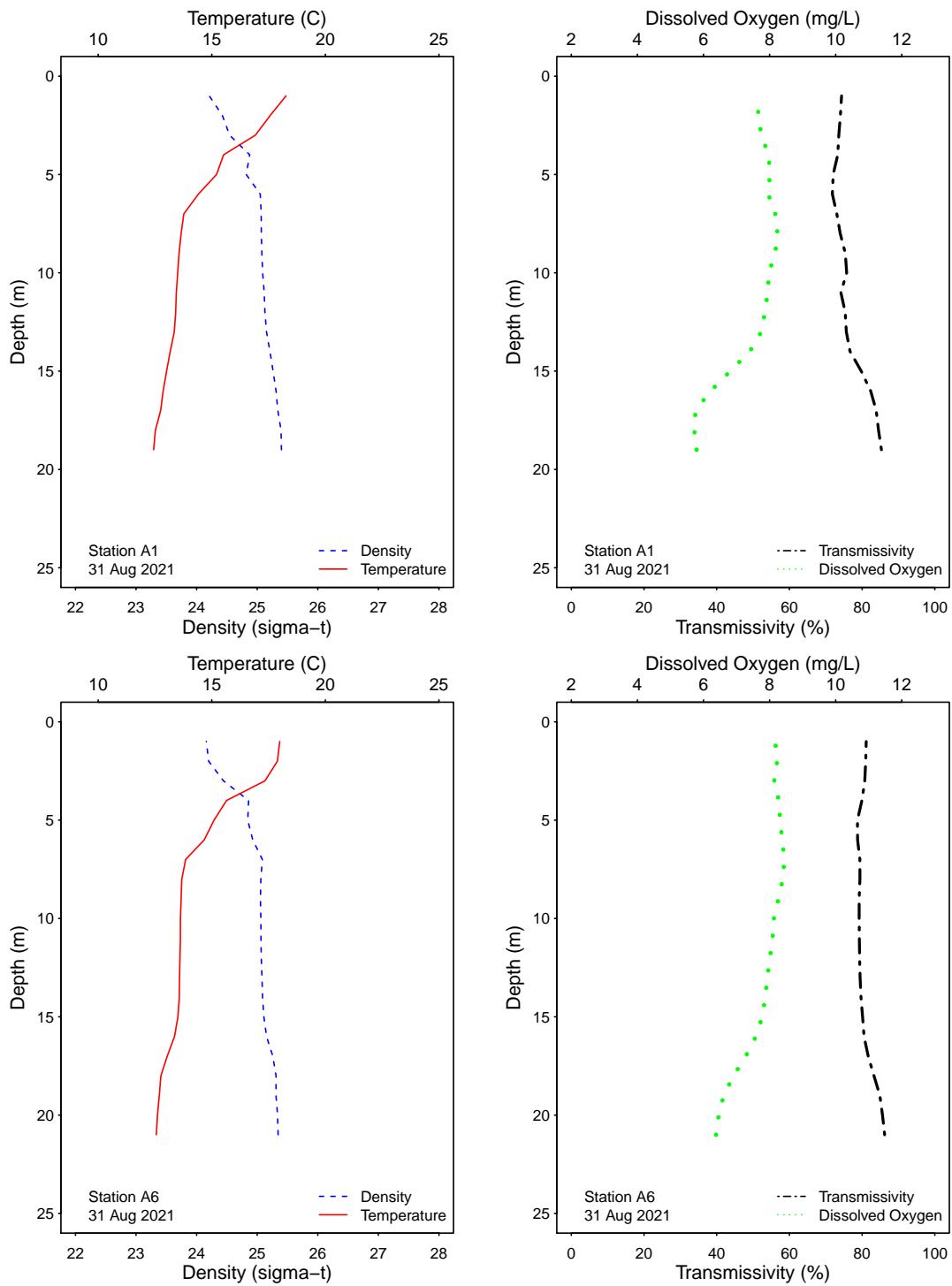


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

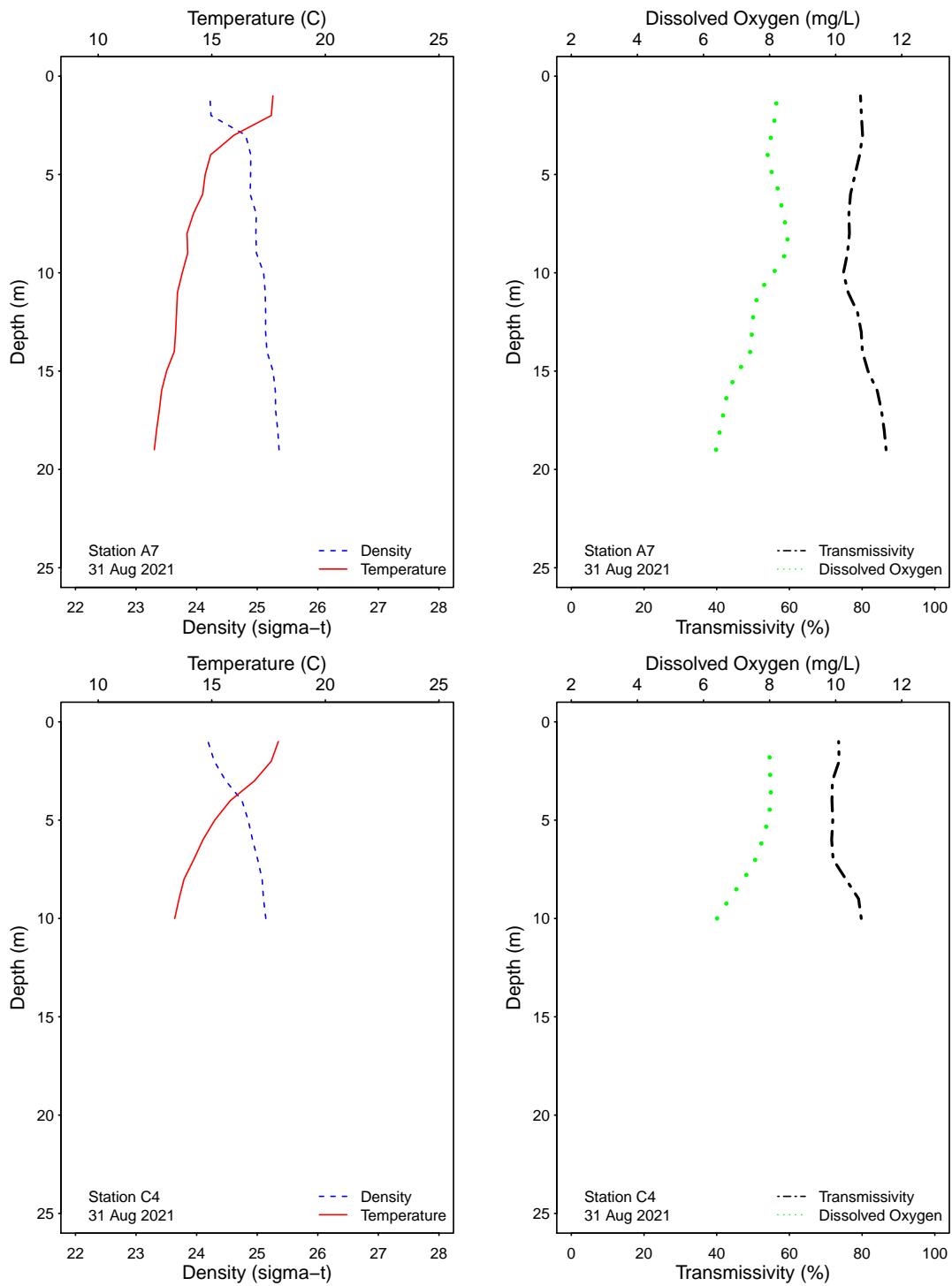


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

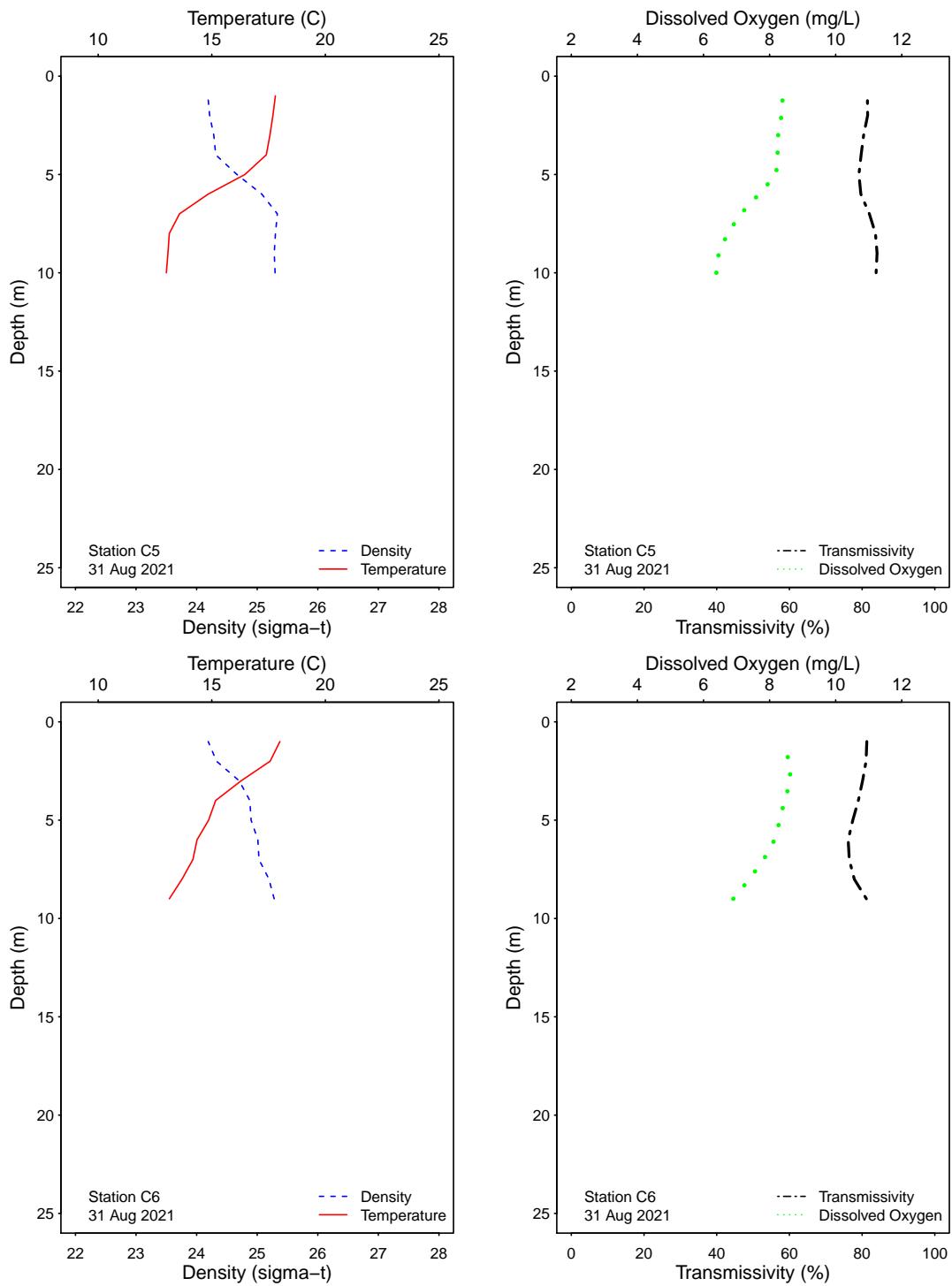


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

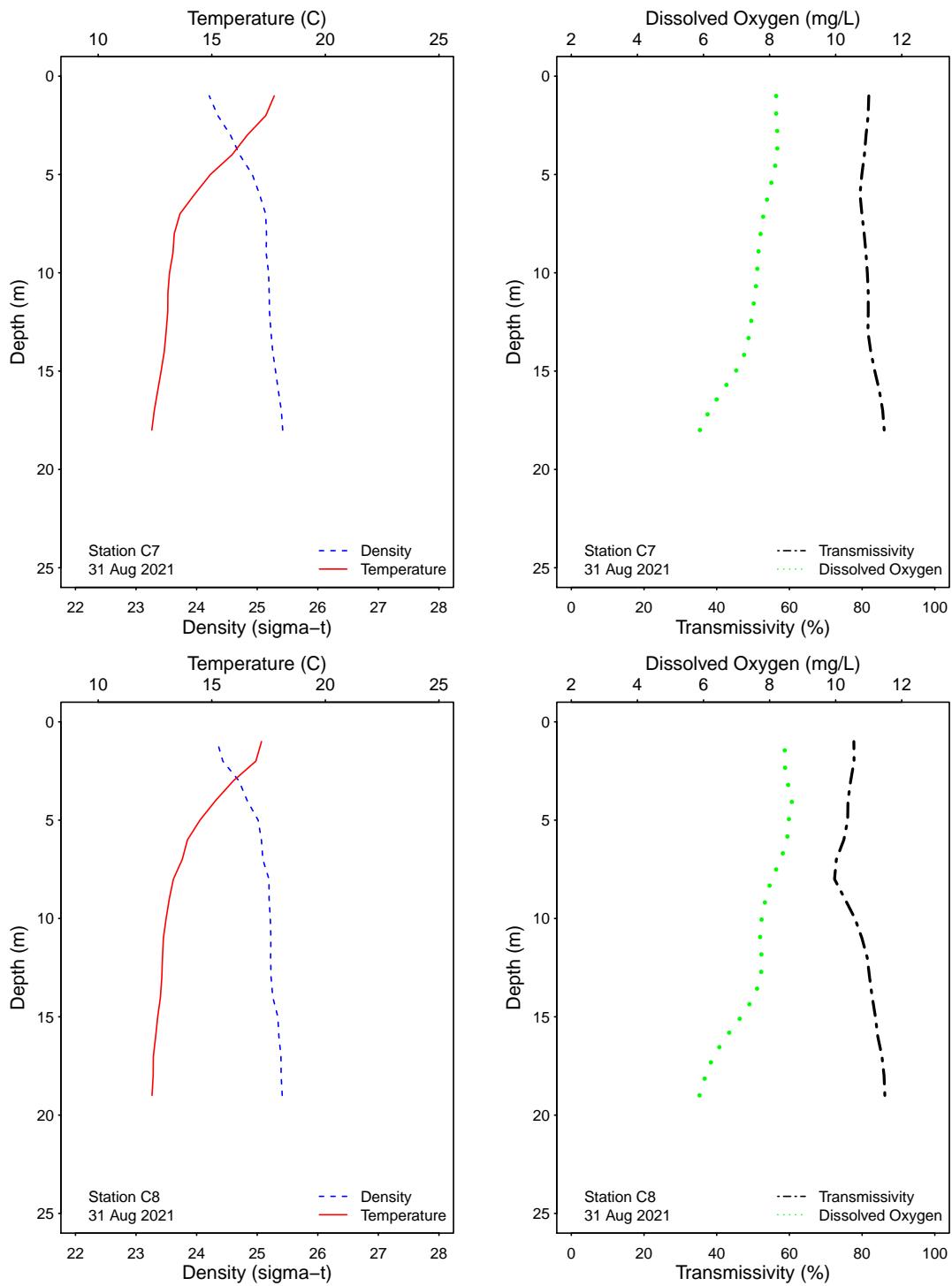


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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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
11 Aug 2021	IC	ns	ns	ns											
12 Aug 2021	ns	IC	E	E											

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of water quality parameters at the PLOO offshore stations for each sample date. Density of *Enterococcus* (Enter) 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	Enter	Temp	XMS	DO	Sal	pH
F01	11 Aug 2021	1212	1	<2	19.5	76.57	9.3	33.50	8.2
F01	11 Aug 2021	1212	12	<2	16.0	75.13	8.7	33.53	8.2
F01	11 Aug 2021	1212	18	<2	12.9	83.52	6.1	33.55	8.0
F02	11 Aug 2021	845	1	<2	18.8	73.73	8.6	33.49	8.1
F02	11 Aug 2021	845	12	<2	15.8	74.30	9.1	33.53	8.1
F02	11 Aug 2021	845	18	<2	13.7	81.81	7.5	33.58	8.0
F03	11 Aug 2021	901	1	<2	18.1	81.46	8.5	33.49	8.2
F03	11 Aug 2021	901	12	<2	14.2	80.71	8.4	33.55	8.1
F03	11 Aug 2021	901	18	<2	13.1	81.41	7.3	33.56	8.0
F04	11 Aug 2021	1144	1	<2	20.2	82.15	8.9	33.52	8.2
F04	11 Aug 2021	1144	25	<2	13.0	78.06	7.2	33.54	8.0
F04	11 Aug 2021	1144	60	<2	11.6	86.17	4.9	33.66	7.9
F05	11 Aug 2021	1137	1	<2	20.0	82.82	9.0	33.52	8.2
F05	11 Aug 2021	1137	25	<2	12.3	85.44	6.5	33.56	8.0
F05	11 Aug 2021	1137	60	<2	11.6	85.02	5.0	33.65	7.8
F06	11 Aug 2021	1124	1	<2	19.6	79.02	9.2	33.52	8.2
F06	11 Aug 2021	1124	25	<2	12.2	86.21	6.5	33.53	8.0
F06	11 Aug 2021	1124	60	<2	11.6	84.95	5.1	33.64	7.8
F07	11 Aug 2021	1107	1	<2	19.2	77.99	9.4	33.52	8.2
F07	11 Aug 2021	1107	25	<2	12.4	85.69	5.9	33.58	7.9
F07	11 Aug 2021	1107	60	<2	11.4	85.76	5.1	33.64	7.8
F08	11 Aug 2021	1050	1	<2	17.3	73.62	8.8	33.51	8.1
F08	11 Aug 2021	1050	25	<2	11.8	87.62	5.9	33.57	7.9
F08	11 Aug 2021	1050	60	<2	11.3	85.22	5.0	33.65	7.8
F09	11 Aug 2021	1037	1	<2	17.7	78.15	9.1	33.50	8.2
F09	11 Aug 2021	1037	25	2e	11.8	87.23	6.0	33.56	7.9
F09	11 Aug 2021	1037	60	<2	11.3	83.82	4.9	33.65	7.8
F10	11 Aug 2021	1021	1	<2	18.7	78.67	9.0	33.47	8.2
F10	11 Aug 2021	1021	25	2e	12.4	85.79	5.6	33.62	7.9
F10	11 Aug 2021	1021	60	12e	11.3	84.93	4.8	33.67	7.8
F11	11 Aug 2021	1005	1	<2	19.1	71.98	9.0	33.50	8.2
F11	11 Aug 2021	1005	25	2e	12.8	82.90	6.5	33.57	8.0
F11	11 Aug 2021	1005	60	20e	11.4	81.90	4.8	33.67	7.8
F12	11 Aug 2021	951	1	<2	19.0	80.93	8.6	33.51	8.2
F12	11 Aug 2021	951	25	<2	13.4	79.19	7.4	33.55	8.0
F12	11 Aug 2021	951	60	10e	11.6	82.42	4.9	33.64	7.8
F13	11 Aug 2021	933	1	<2	18.9	83.57	8.6	33.49	8.2
F13	11 Aug 2021	933	25	<2	12.7	84.41	6.2	33.55	7.9
F13	11 Aug 2021	933	60	6e	11.5	84.78	5.1	33.66	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F14	11 Aug 2021	919	1	<2	18.4	82.49	8.6	33.48	8.2
F14	11 Aug 2021	919	25	<2	12.8	84.26	6.2	33.61	7.9
F14	11 Aug 2021	919	60	4e	11.4	83.89	5.0	33.67	7.8
F15	11 Aug 2021		80	ns	21.4	82.75	8.3	33.52	8.2
F15	12 Aug 2021	1130	1	<2	11.0	83.52	4.3	33.75	7.7
F15	12 Aug 2021	1130	25	<2	13.7	84.72	8.4	33.48	8.1
F15	12 Aug 2021	1130	60	<2	11.3	88.86	5.0	33.68	7.8
F15	12 Aug 2021	1130	80	<2	11.1	85.40	4.4	33.75	7.7
F16	12 Aug 2021	1118	1	<2	21.3	83.55	8.3	33.54	8.2
F16	12 Aug 2021	1118	25	<2	14.0	84.56	8.5	33.49	8.1
F16	12 Aug 2021	1118	60	<2	11.2	88.95	5.0	33.68	7.8
F16	12 Aug 2021	1118	80	<2	11.1	87.37	4.5	33.75	7.7
F17	12 Aug 2021	1103	1	<2	21.2	82.87	8.4	33.54	8.2
F17	12 Aug 2021	1103	25	<2	12.8	83.35	7.5	33.53	8.0
F17	12 Aug 2021	1103	60	<2	11.2	88.91	4.8	33.70	7.8
F17	12 Aug 2021	1103	80	<2	11.0	87.79	4.4	33.76	7.7
F18	12 Aug 2021	1047	1	<2	20.9	83.71	8.5	33.53	8.2
F18	12 Aug 2021	1047	25	<2	11.8	88.19	5.3	33.66	7.8
F18	12 Aug 2021	1047	60	<2	11.3	88.77	4.7	33.71	7.8
F18	12 Aug 2021	1047	80	<2	11.1	86.50	4.5	33.74	7.7
F19	12 Aug 2021	1030	1	<2	20.7	83.45	8.6	33.51	8.2
F19	12 Aug 2021	1030	25	<2	11.9	88.65	5.6	33.63	7.8
F19	12 Aug 2021	1030	60	<2	11.5	88.48	4.8	33.68	7.8
F19	12 Aug 2021	1030	80	620	11.0	87.22	4.1	33.77	7.7
F20	12 Aug 2021	1016	1	<2	19.3	80.66	9.0	33.49	8.2
F20	12 Aug 2021	1016	25	<2	12.0	88.76	5.7	33.62	7.9
F20	12 Aug 2021	1016	60	300e	11.3	88.40	4.6	33.68	7.8
F20	12 Aug 2021	1016	80	260e	11.0	86.70	4.0	33.76	7.7
F21	12 Aug 2021	1000	1	<2	19.2	82.24	9.1	33.50	8.2
F21	12 Aug 2021	1000	25	2e	12.4	86.23	6.2	33.61	7.9
F21	12 Aug 2021	1000	60	<2	11.4	88.48	4.6	33.72	7.8
F21	12 Aug 2021	1000	80	300e	11.1	87.07	4.2	33.74	7.7
F22	12 Aug 2021	947	1	<2	19.2	81.71	9.1	33.52	8.2
F22	12 Aug 2021	947	25	<2	12.4	85.90	6.3	33.62	7.9
F22	12 Aug 2021	947	60	220e	11.3	88.71	4.7	33.68	7.8
F22	12 Aug 2021	947	80	180e	11.1	85.64	4.3	33.73	7.7
F23	12 Aug 2021	930	1	<2	18.6	79.10	9.3	33.49	8.1
F23	12 Aug 2021	930	25	<2	12.5	85.36	6.6	33.58	7.9
F23	12 Aug 2021	930	60	500	11.2	88.55	4.6	33.69	7.7
F23	12 Aug 2021	930	80	86	11.1	84.97	4.3	33.74	7.7
F24	12 Aug 2021	913	1	<2	19.4	74.06	9.1	33.52	8.2
F24	12 Aug 2021	913	25	<2	12.6	84.34	7.0	33.54	7.9
F24	12 Aug 2021	913	60	380e	11.2	88.63	4.6	33.70	7.7
F24	12 Aug 2021	913	80	58	11.1	86.42	4.4	33.74	7.7
F25	12 Aug 2021	858	1	<2	20.6	81.52	8.4	33.53	8.1
F25	12 Aug 2021	858	25	<2	12.4	86.56	6.2	33.57	7.9
F25	12 Aug 2021	858	60	220e	11.3	88.47	4.6	33.70	7.7
F25	12 Aug 2021	858	80	88	11.1	86.32	4.3	33.77	7.7

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F26	10 Aug 2021	1226	1	<2	20.7	83.84	8.2	33.53	8.2
F26	10 Aug 2021	1226	25	<2	12.2	86.58	5.8	33.65	7.9
F26	10 Aug 2021	1226	60	<2	11.5	88.30	4.7	33.70	7.8
F26	10 Aug 2021	1226	80	<2	11.4	88.31	4.6	33.73	7.8
F26	10 Aug 2021	1226	98	<2	11.0	87.88	4.2	33.82	7.8
F27	10 Aug 2021	1212	1	<2	20.2	84.34	8.5	33.52	8.2
F27	10 Aug 2021	1212	25	<2	12.3	86.01	5.8	33.64	7.9
F27	10 Aug 2021	1212	60	<2	11.5	88.36	4.8	33.69	7.8
F27	10 Aug 2021	1212	80	<2	11.2	88.83	4.5	33.74	7.8
F27	10 Aug 2021	1212	98	<2	10.9	86.00	3.9	33.86	7.8
F28	10 Aug 2021	1158	1	<2	19.8	82.93	9.0	33.53	8.2
F28	10 Aug 2021	1158	25	<2	12.0	86.10	6.5	33.60	8.0
F28	10 Aug 2021	1158	60	<2	11.4	87.69	5.1	33.66	7.8
F28	10 Aug 2021	1158	80	6e	11.2	88.84	4.7	33.72	7.8
F28	10 Aug 2021	1158	98	<2	10.9	88.42	4.0	33.84	7.8
F29	10 Aug 2021	1142	1	<2	19.4	75.06	10.1	33.54	8.3
F29	10 Aug 2021	1142	25	<2	12.9	81.19	8.1	33.52	8.1
F29	10 Aug 2021	1142	60	6e	11.2	88.31	4.9	33.72	7.8
F29	10 Aug 2021	1142	80	64	11.1	88.47	4.4	33.78	7.8
F29	10 Aug 2021	1142	98	<2	10.8	88.32	3.8	33.88	7.7
F30	10 Aug 2021	1118	1	<2	18.7	77.57	9.6	33.54	8.2
F30	10 Aug 2021	1118	25	<2	13.3	80.78	9.0	33.50	8.1
F30	10 Aug 2021	1118	60	1100	11.2	85.84	4.6	33.69	7.8
F30	10 Aug 2021	1118	80	1000	11.0	85.15	4.2	33.73	7.8
F30	10 Aug 2021	1118	98	2e	10.8	88.41	3.8	33.87	7.7
F31	10 Aug 2021	1100	1	<2	19.1	79.33	9.8	33.55	8.2
F31	10 Aug 2021	1100	25	<2	13.8	76.05	7.9	33.58	8.1
F31	10 Aug 2021	1100	60	22e	11.6	87.42	5.2	33.64	7.8
F31	10 Aug 2021	1100	80	340e	11.1	88.33	4.3	33.77	7.8
F31	10 Aug 2021	1100	98	94	10.8	87.80	3.7	33.89	7.7
F32	10 Aug 2021	1041	1	<2	19.1	78.95	9.3	33.52	8.2
F32	10 Aug 2021	1041	25	<2	13.6	75.81	7.5	33.56	8.0
F32	10 Aug 2021	1041	60	80	11.4	87.89	5.1	33.66	7.8
F32	10 Aug 2021	1041	80	10e	11.1	88.96	4.4	33.77	7.8
F32	10 Aug 2021	1041	98	240e	10.9	88.10	3.9	33.85	7.7
F33	10 Aug 2021	1022	1	<2	19.9	81.20	8.8	33.53	8.2
F33	10 Aug 2021	1022	25	<2	13.8	74.08	8.6	33.59	8.1
F33	10 Aug 2021	1022	60	<2	11.2	88.75	4.9	33.72	7.8
F33	10 Aug 2021	1022	80	200e	11.0	88.53	4.2	33.81	7.8
F33	10 Aug 2021	1022	98	6e	10.8	89.06	3.7	33.89	7.7
F34	10 Aug 2021	1006	1	<2	20.1	83.71	8.4	33.53	8.2
F34	10 Aug 2021	1006	25	<2	14.1	82.71	8.7	33.51	8.1
F34	10 Aug 2021	1006	60	10e	11.2	88.88	4.7	33.74	7.8
F34	10 Aug 2021	1006	80	44	11.0	88.11	4.0	33.84	7.7
F34	10 Aug 2021	1006	98	2e	10.7	88.74	3.5	33.92	7.7
F35	10 Aug 2021	939	1	<2	20.7	86.15	8.1	33.55	8.2
F35	10 Aug 2021	939	25	<2	13.6	87.29	8.5	33.44	8.1
F35	10 Aug 2021	939	60	<2	11.1	89.04	4.6	33.74	7.8
F35	10 Aug 2021	939	80	<2	10.9	88.81	3.8	33.87	7.7
F35	10 Aug 2021	939	98	8e	10.7	88.82	3.5	33.92	7.7
F36	10 Aug 2021	920	1	<2	21.1	85.98	8.0	33.57	8.1

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F36	10 Aug 2021	920	25	<2	13.5	86.44	8.3	33.38	8.1
F36	10 Aug 2021	920	60	<2	11.2	89.27	4.3	33.79	7.8
F36	10 Aug 2021	920	80	<2	10.9	89.23	3.6	33.88	7.7
F36	10 Aug 2021	920	98	2e	10.6	88.83	3.4	33.95	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	11 Aug 2021	Depth (m)	20
F01	11 Aug 2021	Arrive Time	1212
F01	11 Aug 2021	Depart Time	1217
F01	11 Aug 2021	Air Temp (C)	20.2
F01	11 Aug 2021	Weather	Partly Cloudy
F01	11 Aug 2021	Visibility (mi)	14
F01	11 Aug 2021	Wind Speed (kts)	9.3
F01	11 Aug 2021	Wind Dir	NW
F01	11 Aug 2021	Water Color	Green
F01	11 Aug 2021	Wave Ht Low (ft)	3
F01	11 Aug 2021	Wave Period (sec)	14
F01	11 Aug 2021	Sea State	Rough
F01	11 Aug 2021	High Tide (ft)	5.45
F01	11 Aug 2021	High Tide Time	6
F01	11 Aug 2021	Low Tide (ft)	-0.07
F01	11 Aug 2021	Low Tide Time	548
F01	11 Aug 2021	Comments	none
F02	11 Aug 2021	Depth (m)	20
F02	11 Aug 2021	Arrive Time	845
F02	11 Aug 2021	Depart Time	853
F02	11 Aug 2021	Air Temp (C)	20.2
F02	11 Aug 2021	Weather	Partly Cloudy
F02	11 Aug 2021	Visibility (mi)	10
F02	11 Aug 2021	Wind Speed (kts)	9.3
F02	11 Aug 2021	Wind Dir	N
F02	11 Aug 2021	Water Color	Green
F02	11 Aug 2021	Wave Ht Low (ft)	3
F02	11 Aug 2021	Wave Period (sec)	14
F02	11 Aug 2021	Sea State	Light Chop
F02	11 Aug 2021	High Tide (ft)	5.45
F02	11 Aug 2021	High Tide Time	6
F02	11 Aug 2021	Low Tide (ft)	-0.07
F02	11 Aug 2021	Low Tide Time	548
F02	11 Aug 2021	Comments	none
F03	11 Aug 2021	Depth (m)	19
F03	11 Aug 2021	Arrive Time	901
F03	11 Aug 2021	Depart Time	906
F03	11 Aug 2021	Air Temp (C)	19.7
F03	11 Aug 2021	Weather	Partly Cloudy
F03	11 Aug 2021	Visibility (mi)	10
F03	11 Aug 2021	Wind Speed (kts)	10.8
F03	11 Aug 2021	Wind Dir	N
F03	11 Aug 2021	Water Color	Blueish-Green
F03	11 Aug 2021	Wave Ht Low (ft)	3
F03	11 Aug 2021	Wave Period (sec)	14
F03	11 Aug 2021	Sea State	Light Chop
F03	11 Aug 2021	High Tide (ft)	5.45
F03	11 Aug 2021	High Tide Time	6
F03	11 Aug 2021	Low Tide (ft)	-0.07
F03	11 Aug 2021	Low Tide Time	548
F03	11 Aug 2021	Comments	none
F04	11 Aug 2021	Depth (m)	62
F04	11 Aug 2021	Arrive Time	1149

Station	Date	Parameter	Value
F04	11 Aug 2021	Depart Time	1154
F04	11 Aug 2021	Air Temp (C)	21.1
F04	11 Aug 2021	Weather	Partly Cloudy
F04	11 Aug 2021	Visibility (mi)	14
F04	11 Aug 2021	Wind Speed (kts)	8.5
F04	11 Aug 2021	Wind Dir	NW
F04	11 Aug 2021	Water Color	Blueish-Green
F04	11 Aug 2021	Wave Ht Low (ft)	3
F04	11 Aug 2021	Wave Period (sec)	14
F04	11 Aug 2021	Sea State	Light Chop
F04	11 Aug 2021	High Tide (ft)	5.45
F04	11 Aug 2021	High Tide Time	6
F04	11 Aug 2021	Low Tide (ft)	-0.07
F04	11 Aug 2021	Low Tide Time	548
F04	11 Aug 2021	Comments	none
F05	11 Aug 2021	Depth (m)	62
F05	11 Aug 2021	Arrive Time	1137
F05	11 Aug 2021	Depart Time	1142
F05	11 Aug 2021	Air Temp (C)	21
F05	11 Aug 2021	Weather	Partly Cloudy
F05	11 Aug 2021	Visibility (mi)	14
F05	11 Aug 2021	Wind Speed (kts)	6.9
F05	11 Aug 2021	Wind Dir	NW
F05	11 Aug 2021	Water Color	Blueish-Green
F05	11 Aug 2021	Wave Ht Low (ft)	3
F05	11 Aug 2021	Wave Period (sec)	14
F05	11 Aug 2021	Sea State	Light Chop
F05	11 Aug 2021	High Tide (ft)	5.45
F05	11 Aug 2021	High Tide Time	6
F05	11 Aug 2021	Low Tide (ft)	-0.07
F05	11 Aug 2021	Low Tide Time	548
F05	11 Aug 2021	Comments	none
F06	11 Aug 2021	Depth (m)	62
F06	11 Aug 2021	Arrive Time	1124
F06	11 Aug 2021	Depart Time	1130
F06	11 Aug 2021	Air Temp (C)	20.8
F06	11 Aug 2021	Weather	Partly Cloudy
F06	11 Aug 2021	Visibility (mi)	14
F06	11 Aug 2021	Wind Speed (kts)	5.7
F06	11 Aug 2021	Wind Dir	N
F06	11 Aug 2021	Water Color	Blueish-Green
F06	11 Aug 2021	Wave Ht Low (ft)	3
F06	11 Aug 2021	Wave Period (sec)	14
F06	11 Aug 2021	Sea State	Light Chop
F06	11 Aug 2021	High Tide (ft)	5.45
F06	11 Aug 2021	High Tide Time	6
F06	11 Aug 2021	Low Tide (ft)	-0.07
F06	11 Aug 2021	Low Tide Time	548
F06	11 Aug 2021	Comments	none
F07	11 Aug 2021	Depth (m)	77
F07	11 Aug 2021	Arrive Time	1107
F07	11 Aug 2021	Depart Time	1117
F07	11 Aug 2021	Air Temp (C)	20.3
F07	11 Aug 2021	Weather	Partly Cloudy
F07	11 Aug 2021	Visibility (mi)	14
F07	11 Aug 2021	Wind Speed (kts)	1.1
F07	11 Aug 2021	Wind Dir	N
F07	11 Aug 2021	Water Color	Blueish-Green

Station	Date	Parameter	Value
F07	11 Aug 2021	Wave Ht Low (ft)	3
F07	11 Aug 2021	Wave Period (sec)	14
F07	11 Aug 2021	Sea State	Light Chop
F07	11 Aug 2021	High Tide (ft)	5.45
F07	11 Aug 2021	High Tide Time	6
F07	11 Aug 2021	Low Tide (ft)	-0.07
F07	11 Aug 2021	Low Tide Time	548
F07	11 Aug 2021	Comments	none
F08	11 Aug 2021	Depth (m)	78
F08	11 Aug 2021	Arrive Time	1050
F08	11 Aug 2021	Depart Time	1057
F08	11 Aug 2021	Air Temp (C)	20.2
F08	11 Aug 2021	Weather	Partly Cloudy
F08	11 Aug 2021	Visibility (mi)	12
F08	11 Aug 2021	Wind Speed (kts)	3.4
F08	11 Aug 2021	Wind Dir	N
F08	11 Aug 2021	Water Color	Blueish-Green
F08	11 Aug 2021	Wave Ht Low (ft)	3
F08	11 Aug 2021	Wave Period (sec)	14
F08	11 Aug 2021	Sea State	Light Chop
F08	11 Aug 2021	High Tide (ft)	5.45
F08	11 Aug 2021	High Tide Time	6
F08	11 Aug 2021	Low Tide (ft)	-0.07
F08	11 Aug 2021	Low Tide Time	548
F08	11 Aug 2021	Comments	none
F09	11 Aug 2021	Depth (m)	64
F09	11 Aug 2021	Arrive Time	1037
F09	11 Aug 2021	Depart Time	1044
F09	11 Aug 2021	Air Temp (C)	20.1
F09	11 Aug 2021	Weather	Partly Cloudy
F09	11 Aug 2021	Visibility (mi)	10
F09	11 Aug 2021	Wind Speed (kts)	2.1
F09	11 Aug 2021	Wind Dir	NE
F09	11 Aug 2021	Water Color	Blueish-Green
F09	11 Aug 2021	Wave Ht Low (ft)	3
F09	11 Aug 2021	Wave Period (sec)	14
F09	11 Aug 2021	Sea State	Light Chop
F09	11 Aug 2021	High Tide (ft)	5.45
F09	11 Aug 2021	High Tide Time	6
F09	11 Aug 2021	Low Tide (ft)	-0.07
F09	11 Aug 2021	Low Tide Time	548
F09	11 Aug 2021	Comments	none
F10	11 Aug 2021	Depth (m)	63
F10	11 Aug 2021	Arrive Time	1021
F10	11 Aug 2021	Depart Time	1027
F10	11 Aug 2021	Air Temp (C)	20.5
F10	11 Aug 2021	Weather	Partly Cloudy
F10	11 Aug 2021	Visibility (mi)	10
F10	11 Aug 2021	Wind Speed (kts)	3.9
F10	11 Aug 2021	Wind Dir	N
F10	11 Aug 2021	Water Color	Blueish-Green
F10	11 Aug 2021	Wave Ht Low (ft)	3
F10	11 Aug 2021	Wave Period (sec)	14
F10	11 Aug 2021	Sea State	Light Chop
F10	11 Aug 2021	High Tide (ft)	5.45
F10	11 Aug 2021	High Tide Time	6
F10	11 Aug 2021	Low Tide (ft)	-0.07
F10	11 Aug 2021	Low Tide Time	548

Station	Date	Parameter	Value
F10	11 Aug 2021	Comments	none
F11	11 Aug 2021	Depth (m)	61
F11	11 Aug 2021	Arrive Time	1005
F11	11 Aug 2021	Depart Time	1012
F11	11 Aug 2021	Air Temp (C)	20.6
F11	11 Aug 2021	Weather	Partly Cloudy
F11	11 Aug 2021	Visibility (mi)	10
F11	11 Aug 2021	Wind Speed (kts)	3
F11	11 Aug 2021	Wind Dir	NW
F11	11 Aug 2021	Water Color	Blueish-Green
F11	11 Aug 2021	Wave Ht Low (ft)	3
F11	11 Aug 2021	Wave Period (sec)	14
F11	11 Aug 2021	Sea State	Light Chop
F11	11 Aug 2021	High Tide (ft)	5.45
F11	11 Aug 2021	High Tide Time	6
F11	11 Aug 2021	Low Tide (ft)	-0.07
F11	11 Aug 2021	Low Tide Time	548
F11	11 Aug 2021	Comments	none
F12	11 Aug 2021	Depth (m)	80
F12	11 Aug 2021	Arrive Time	951
F12	11 Aug 2021	Depart Time	957
F12	11 Aug 2021	Air Temp (C)	20.7
F12	11 Aug 2021	Weather	Partly Cloudy
F12	11 Aug 2021	Visibility (mi)	10
F12	11 Aug 2021	Wind Speed (kts)	4.4
F12	11 Aug 2021	Wind Dir	NW
F12	11 Aug 2021	Water Color	Blueish-Green
F12	11 Aug 2021	Wave Ht Low (ft)	3
F12	11 Aug 2021	Wave Period (sec)	14
F12	11 Aug 2021	Sea State	Light Chop
F12	11 Aug 2021	High Tide (ft)	5.45
F12	11 Aug 2021	High Tide Time	6
F12	11 Aug 2021	Low Tide (ft)	-0.07
F12	11 Aug 2021	Low Tide Time	548
F12	11 Aug 2021	Comments	none
F13	11 Aug 2021	Depth (m)	62
F13	11 Aug 2021	Arrive Time	933
F13	11 Aug 2021	Depart Time	943
F13	11 Aug 2021	Air Temp (C)	20.5
F13	11 Aug 2021	Weather	Partly Cloudy
F13	11 Aug 2021	Visibility (mi)	10
F13	11 Aug 2021	Wind Speed (kts)	9.6
F13	11 Aug 2021	Wind Dir	NW
F13	11 Aug 2021	Water Color	Blueish-Green
F13	11 Aug 2021	Wave Ht Low (ft)	3
F13	11 Aug 2021	Wave Period (sec)	14
F13	11 Aug 2021	Sea State	Light Chop
F13	11 Aug 2021	High Tide (ft)	5.45
F13	11 Aug 2021	High Tide Time	6
F13	11 Aug 2021	Low Tide (ft)	-0.07
F13	11 Aug 2021	Low Tide Time	548
F13	11 Aug 2021	Comments	1m OA Bottle #18760; 60m OA Bottle #18761
F14	11 Aug 2021	Depth (m)	60
F14	11 Aug 2021	Arrive Time	919
F14	11 Aug 2021	Depart Time	925
F14	11 Aug 2021	Air Temp (C)	20.4
F14	11 Aug 2021	Weather	Partly Cloudy

Station	Date	Parameter	Value
F14	11 Aug 2021	Visibility (mi)	10
F14	11 Aug 2021	Wind Speed (kts)	7.1
F14	11 Aug 2021	Wind Dir	NW
F14	11 Aug 2021	Water Color	Blueish-Green
F14	11 Aug 2021	Wave Ht Low (ft)	3
F14	11 Aug 2021	Wave Period (sec)	14
F14	11 Aug 2021	Sea State	Light Chop
F14	11 Aug 2021	High Tide (ft)	5.45
F14	11 Aug 2021	High Tide Time	6
F14	11 Aug 2021	Low Tide (ft)	-0.07
F14	11 Aug 2021	Low Tide Time	548
F14	11 Aug 2021	Comments	none
F15	12 Aug 2021	Depth (m)	149
F15	12 Aug 2021	Arrive Time	1130
F15	12 Aug 2021	Depart Time	1146
F15	12 Aug 2021	Air Temp (C)	21.5
F15	12 Aug 2021	Weather	Haze
F15	12 Aug 2021	Visibility (mi)	6
F15	12 Aug 2021	Wind Speed (kts)	6.1
F15	12 Aug 2021	Wind Dir	N
F15	12 Aug 2021	Water Color	Blueish-Green
F15	12 Aug 2021	Wave Ht Low (ft)	2
F15	12 Aug 2021	Wave Period (sec)	12
F15	12 Aug 2021	Sea State	Calm
F15	12 Aug 2021	High Tide (ft)	5.28
F15	12 Aug 2021	High Tide Time	6
F15	12 Aug 2021	Low Tide (ft)	0.36
F15	12 Aug 2021	Low Tide Time	618
F15	12 Aug 2021	Comments	OA samples; 1m 18767; 80m 18768
F16	12 Aug 2021	Depth (m)	151
F16	12 Aug 2021	Arrive Time	1118
F16	12 Aug 2021	Depart Time	1124
F16	12 Aug 2021	Air Temp (C)	21.4
F16	12 Aug 2021	Weather	Haze
F16	12 Aug 2021	Visibility (mi)	6
F16	12 Aug 2021	Wind Speed (kts)	5.6
F16	12 Aug 2021	Wind Dir	NW
F16	12 Aug 2021	Water Color	Blueish-Green
F16	12 Aug 2021	Wave Ht Low (ft)	2
F16	12 Aug 2021	Wave Period (sec)	12
F16	12 Aug 2021	Sea State	Calm
F16	12 Aug 2021	High Tide (ft)	5.28
F16	12 Aug 2021	High Tide Time	6
F16	12 Aug 2021	Low Tide (ft)	0.36
F16	12 Aug 2021	Low Tide Time	618
F16	12 Aug 2021	Comments	none
F17	12 Aug 2021	Depth (m)	83
F17	12 Aug 2021	Arrive Time	1103
F17	12 Aug 2021	Depart Time	1109
F17	12 Aug 2021	Air Temp (C)	21.2
F17	12 Aug 2021	Weather	Haze
F17	12 Aug 2021	Visibility (mi)	6
F17	12 Aug 2021	Wind Speed (kts)	7
F17	12 Aug 2021	Wind Dir	NW
F17	12 Aug 2021	Water Color	Blueish-Green
F17	12 Aug 2021	Wave Ht Low (ft)	2
F17	12 Aug 2021	Wave Period (sec)	12
F17	12 Aug 2021	Sea State	Calm

Station	Date	Parameter	Value
F17	12 Aug 2021	High Tide (ft)	5.28
F17	12 Aug 2021	High Tide Time	6
F17	12 Aug 2021	Low Tide (ft)	0.36
F17	12 Aug 2021	Low Tide Time	618
F17	12 Aug 2021	Comments	none
F18	12 Aug 2021	Depth (m)	82
F18	12 Aug 2021	Arrive Time	1047
F18	12 Aug 2021	Depart Time	1055
F18	12 Aug 2021	Air Temp (C)	21.4
F18	12 Aug 2021	Weather	Haze
F18	12 Aug 2021	Visibility (mi)	6
F18	12 Aug 2021	Wind Speed (kts)	0
F18	12 Aug 2021	Wind Dir	SW
F18	12 Aug 2021	Water Color	Blueish-Green
F18	12 Aug 2021	Wave Ht Low (ft)	2
F18	12 Aug 2021	Wave Period (sec)	12
F18	12 Aug 2021	Sea State	Calm
F18	12 Aug 2021	High Tide (ft)	5.28
F18	12 Aug 2021	High Tide Time	6
F18	12 Aug 2021	Low Tide (ft)	0.36
F18	12 Aug 2021	Low Tide Time	618
F18	12 Aug 2021	Comments	none
F19	12 Aug 2021	Depth (m)	117
F19	12 Aug 2021	Arrive Time	1030
F19	12 Aug 2021	Depart Time	1040
F19	12 Aug 2021	Air Temp (C)	21.2
F19	12 Aug 2021	Weather	Haze
F19	12 Aug 2021	Visibility (mi)	6
F19	12 Aug 2021	Wind Speed (kts)	4.9
F19	12 Aug 2021	Wind Dir	NW
F19	12 Aug 2021	Water Color	Blueish-Green
F19	12 Aug 2021	Wave Ht Low (ft)	2
F19	12 Aug 2021	Wave Period (sec)	12
F19	12 Aug 2021	Sea State	Calm
F19	12 Aug 2021	High Tide (ft)	5.28
F19	12 Aug 2021	High Tide Time	6
F19	12 Aug 2021	Low Tide (ft)	0.36
F19	12 Aug 2021	Low Tide Time	618
F19	12 Aug 2021	Comments	none
F20	12 Aug 2021	Depth (m)	83
F20	12 Aug 2021	Arrive Time	1016
F20	12 Aug 2021	Depart Time	1022
F20	12 Aug 2021	Air Temp (C)	21
F20	12 Aug 2021	Weather	Haze
F20	12 Aug 2021	Visibility (mi)	6
F20	12 Aug 2021	Wind Speed (kts)	4.5
F20	12 Aug 2021	Wind Dir	NW
F20	12 Aug 2021	Water Color	Blueish-Green
F20	12 Aug 2021	Wave Ht Low (ft)	2
F20	12 Aug 2021	Wave Period (sec)	12
F20	12 Aug 2021	Sea State	Calm
F20	12 Aug 2021	High Tide (ft)	5.28
F20	12 Aug 2021	High Tide Time	6
F20	12 Aug 2021	Low Tide (ft)	0.36
F20	12 Aug 2021	Low Tide Time	618
F20	12 Aug 2021	Comments	none
F21	12 Aug 2021	Depth (m)	84

Station	Date	Parameter	Value
F21	12 Aug 2021	Arrive Time	1000
F21	12 Aug 2021	Depart Time	1008
F21	12 Aug 2021	Air Temp (C)	20.8
F21	12 Aug 2021	Weather	Haze
F21	12 Aug 2021	Visibility (mi)	6
F21	12 Aug 2021	Wind Speed (kts)	3
F21	12 Aug 2021	Wind Dir	SW
F21	12 Aug 2021	Water Color	Blueish-Green
F21	12 Aug 2021	Wave Ht Low (ft)	2
F21	12 Aug 2021	Wave Period (sec)	12
F21	12 Aug 2021	Sea State	Calm
F21	12 Aug 2021	High Tide (ft)	5.28
F21	12 Aug 2021	High Tide Time	6
F21	12 Aug 2021	Low Tide (ft)	0.36
F21	12 Aug 2021	Low Tide Time	618
F21	12 Aug 2021	Comments	none
F22	12 Aug 2021	Depth (m)	88
F22	12 Aug 2021	Arrive Time	947
F22	12 Aug 2021	Depart Time	954
F22	12 Aug 2021	Air Temp (C)	20.8
F22	12 Aug 2021	Weather	Haze
F22	12 Aug 2021	Visibility (mi)	6
F22	12 Aug 2021	Wind Speed (kts)	1.9
F22	12 Aug 2021	Wind Dir	NW
F22	12 Aug 2021	Water Color	Blueish-Green
F22	12 Aug 2021	Wave Ht Low (ft)	2
F22	12 Aug 2021	Wave Period (sec)	12
F22	12 Aug 2021	Sea State	Calm
F22	12 Aug 2021	High Tide (ft)	5.28
F22	12 Aug 2021	High Tide Time	6
F22	12 Aug 2021	Low Tide (ft)	0.36
F22	12 Aug 2021	Low Tide Time	618
F22	12 Aug 2021	Comments	none
F24	12 Aug 2021	Depth (m)	80
F24	12 Aug 2021	Arrive Time	913
F24	12 Aug 2021	Depart Time	926
F24	12 Aug 2021	Air Temp (C)	20.7
F24	12 Aug 2021	Weather	Haze
F24	12 Aug 2021	Visibility (mi)	6
F24	12 Aug 2021	Wind Speed (kts)	5.6
F24	12 Aug 2021	Wind Dir	E
F24	12 Aug 2021	Water Color	Blueish-Green
F24	12 Aug 2021	Wave Ht Low (ft)	2
F24	12 Aug 2021	Wave Period (sec)	12
F24	12 Aug 2021	Sea State	Calm
F24	12 Aug 2021	High Tide (ft)	5.28
F24	12 Aug 2021	High Tide Time	6
F24	12 Aug 2021	Low Tide (ft)	0.36
F24	12 Aug 2021	Low Tide Time	618
F24	12 Aug 2021	Comments	none
F25	12 Aug 2021	Depth (m)	79
F25	12 Aug 2021	Arrive Time	858
F25	12 Aug 2021	Depart Time	906
F25	12 Aug 2021	Air Temp (C)	20.9
F25	12 Aug 2021	Weather	Haze
F25	12 Aug 2021	Visibility (mi)	6
F25	12 Aug 2021	Wind Speed (kts)	3.8
F25	12 Aug 2021	Wind Dir	N

Station	Date	Parameter	Value
F25	12 Aug 2021	Water Color	Blueish-Green
F25	12 Aug 2021	Wave Ht Low (ft)	2
F25	12 Aug 2021	Wave Period (sec)	12
F25	12 Aug 2021	Sea State	Calm
F25	12 Aug 2021	High Tide (ft)	5.28
F25	12 Aug 2021	High Tide Time	6
F25	12 Aug 2021	Low Tide (ft)	0.36
F25	12 Aug 2021	Low Tide Time	618
F25	12 Aug 2021	Comments	Low tide; 79m depth
F26	10 Aug 2021	Depth (m)	100
F26	10 Aug 2021	Arrive Time	1226
F26	10 Aug 2021	Depart Time	1237
F26	10 Aug 2021	Air Temp (C)	19.7
F26	10 Aug 2021	Weather	Partly Cloudy
F26	10 Aug 2021	Visibility (mi)	10
F26	10 Aug 2021	Wind Speed (kts)	8
F26	10 Aug 2021	Wind Dir	NW
F26	10 Aug 2021	Water Color	Green
F26	10 Aug 2021	Wave Ht Low (ft)	3
F26	10 Aug 2021	Wave Period (sec)	13
F26	10 Aug 2021	Sea State	Calm
F26	10 Aug 2021	High Tide (ft)	5.86
F26	10 Aug 2021	High Tide Time	2254
F26	10 Aug 2021	Low Tide (ft)	-0.37
F26	10 Aug 2021	Low Tide Time	512
F26	10 Aug 2021	Comments	none
F27	10 Aug 2021	Depth (m)	100
F27	10 Aug 2021	Arrive Time	1212
F27	10 Aug 2021	Depart Time	1220
F27	10 Aug 2021	Air Temp (C)	19.6
F27	10 Aug 2021	Weather	Partly Cloudy
F27	10 Aug 2021	Visibility (mi)	10
F27	10 Aug 2021	Wind Speed (kts)	7.7
F27	10 Aug 2021	Wind Dir	NW
F27	10 Aug 2021	Water Color	Green
F27	10 Aug 2021	Wave Ht Low (ft)	3
F27	10 Aug 2021	Wave Period (sec)	13
F27	10 Aug 2021	Sea State	Calm
F27	10 Aug 2021	High Tide (ft)	5.86
F27	10 Aug 2021	High Tide Time	2254
F27	10 Aug 2021	Low Tide (ft)	-0.37
F27	10 Aug 2021	Low Tide Time	512
F27	10 Aug 2021	Comments	none
F28	10 Aug 2021	Depth (m)	101
F28	10 Aug 2021	Arrive Time	1158
F28	10 Aug 2021	Depart Time	1203
F28	10 Aug 2021	Air Temp (C)	19.7
F28	10 Aug 2021	Weather	Partly Cloudy
F28	10 Aug 2021	Visibility (mi)	10
F28	10 Aug 2021	Wind Speed (kts)	6
F28	10 Aug 2021	Wind Dir	NW
F28	10 Aug 2021	Water Color	Green
F28	10 Aug 2021	Wave Ht Low (ft)	3
F28	10 Aug 2021	Wave Period (sec)	13
F28	10 Aug 2021	Sea State	Calm
F28	10 Aug 2021	High Tide (ft)	5.86
F28	10 Aug 2021	High Tide Time	2254
F28	10 Aug 2021	Low Tide (ft)	-0.37

Station	Date	Parameter	Value
F28	10 Aug 2021	Low Tide Time	512
F28	10 Aug 2021	Comments	none
F29	10 Aug 2021	Depth (m)	100
F29	10 Aug 2021	Arrive Time	1142
F29	10 Aug 2021	Depart Time	1149
F29	10 Aug 2021	Air Temp (C)	19.7
F29	10 Aug 2021	Weather	Partly Cloudy
F29	10 Aug 2021	Visibility (mi)	10
F29	10 Aug 2021	Wind Speed (kts)	4.3
F29	10 Aug 2021	Wind Dir	NW
F29	10 Aug 2021	Water Color	Green
F29	10 Aug 2021	Wave Ht Low (ft)	3
F29	10 Aug 2021	Wave Period (sec)	13
F29	10 Aug 2021	Sea State	Calm
F29	10 Aug 2021	High Tide (ft)	5.86
F29	10 Aug 2021	High Tide Time	2254
F29	10 Aug 2021	Low Tide (ft)	-0.37
F29	10 Aug 2021	Low Tide Time	512
F29	10 Aug 2021	Comments	none
F30	10 Aug 2021	Depth (m)	99
F30	10 Aug 2021	Arrive Time	1118
F30	10 Aug 2021	Depart Time	1132
F30	10 Aug 2021	Air Temp (C)	19.6
F30	10 Aug 2021	Weather	Partly Cloudy
F30	10 Aug 2021	Visibility (mi)	10
F30	10 Aug 2021	Wind Speed (kts)	4.9
F30	10 Aug 2021	Wind Dir	NW
F30	10 Aug 2021	Water Color	Green
F30	10 Aug 2021	Wave Ht Low (ft)	3
F30	10 Aug 2021	Wave Period (sec)	13
F30	10 Aug 2021	Sea State	Calm
F30	10 Aug 2021	High Tide (ft)	5.86
F30	10 Aug 2021	High Tide Time	2254
F30	10 Aug 2021	Low Tide (ft)	-0.37
F30	10 Aug 2021	Low Tide Time	512
F30	10 Aug 2021	Comments	Nitrate samples at 1m 89m 89m dup and blank
F31	10 Aug 2021	Depth (m)	100
F31	10 Aug 2021	Arrive Time	1100
F31	10 Aug 2021	Depart Time	1106
F31	10 Aug 2021	Air Temp (C)	19.6
F31	10 Aug 2021	Weather	Partly Cloudy
F31	10 Aug 2021	Visibility (mi)	8
F31	10 Aug 2021	Wind Speed (kts)	6
F31	10 Aug 2021	Wind Dir	NW
F31	10 Aug 2021	Water Color	Green
F31	10 Aug 2021	Wave Ht Low (ft)	3
F31	10 Aug 2021	Wave Period (sec)	13
F31	10 Aug 2021	Sea State	Calm
F31	10 Aug 2021	High Tide (ft)	5.86
F31	10 Aug 2021	High Tide Time	2254
F31	10 Aug 2021	Low Tide (ft)	-0.37
F31	10 Aug 2021	Low Tide Time	512
F31	10 Aug 2021	Comments	none
F32	10 Aug 2021	Depth (m)	101
F32	10 Aug 2021	Arrive Time	1041
F32	10 Aug 2021	Depart Time	1059
F32	10 Aug 2021	Air Temp (C)	19.7

Station	Date	Parameter	Value
F32	10 Aug 2021	Weather	Partly Cloudy
F32	10 Aug 2021	Visibility (mi)	8
F32	10 Aug 2021	Wind Speed (kts)	3.6
F32	10 Aug 2021	Wind Dir	NW
F32	10 Aug 2021	Water Color	Blue
F32	10 Aug 2021	Wave Ht Low (ft)	3
F32	10 Aug 2021	Wave Period (sec)	13
F32	10 Aug 2021	Sea State	Calm
F32	10 Aug 2021	High Tide (ft)	5.86
F32	10 Aug 2021	High Tide Time	2254
F32	10 Aug 2021	Low Tide (ft)	-0.37
F32	10 Aug 2021	Low Tide Time	512
F32	10 Aug 2021	Comments	none
F33	10 Aug 2021	Depth (m)	102
F33	10 Aug 2021	Arrive Time	1022
F33	10 Aug 2021	Depart Time	1035
F33	10 Aug 2021	Air Temp (C)	19.5
F33	10 Aug 2021	Weather	Partly Cloudy
F33	10 Aug 2021	Visibility (mi)	8
F33	10 Aug 2021	Wind Speed (kts)	1.9
F33	10 Aug 2021	Wind Dir	NW
F33	10 Aug 2021	Water Color	Blue
F33	10 Aug 2021	Wave Ht Low (ft)	3
F33	10 Aug 2021	Wave Period (sec)	13
F33	10 Aug 2021	Sea State	Calm
F33	10 Aug 2021	High Tide (ft)	5.86
F33	10 Aug 2021	High Tide Time	2254
F33	10 Aug 2021	Low Tide (ft)	-0.37
F33	10 Aug 2021	Low Tide Time	512
F33	10 Aug 2021	Comments	none
F34	10 Aug 2021	Depth (m)	102
F34	10 Aug 2021	Arrive Time	1006
F34	10 Aug 2021	Depart Time	1014
F34	10 Aug 2021	Air Temp (C)	19.6
F34	10 Aug 2021	Weather	Partly Cloudy
F34	10 Aug 2021	Visibility (mi)	8
F34	10 Aug 2021	Wind Speed (kts)	3.3
F34	10 Aug 2021	Wind Dir	N
F34	10 Aug 2021	Water Color	Blue
F34	10 Aug 2021	Wave Ht Low (ft)	3
F34	10 Aug 2021	Wave Period (sec)	13
F34	10 Aug 2021	Sea State	Calm
F34	10 Aug 2021	High Tide (ft)	5.86
F34	10 Aug 2021	High Tide Time	2254
F34	10 Aug 2021	Low Tide (ft)	-0.37
F34	10 Aug 2021	Low Tide Time	512
F34	10 Aug 2021	Comments	none
F35	10 Aug 2021	Depth (m)	100
F35	10 Aug 2021	Arrive Time	939
F35	10 Aug 2021	Depart Time	1001
F35	10 Aug 2021	Air Temp (C)	19.5
F35	10 Aug 2021	Weather	Partly Cloudy
F35	10 Aug 2021	Visibility (mi)	8
F35	10 Aug 2021	Wind Speed (kts)	3.3
F35	10 Aug 2021	Wind Dir	NW
F35	10 Aug 2021	Water Color	Blue
F35	10 Aug 2021	Wave Ht Low (ft)	3
F35	10 Aug 2021	Wave Period (sec)	13

Station	Date	Parameter	Value
F35	10 Aug 2021	Sea State	Calm
F35	10 Aug 2021	High Tide (ft)	5.86
F35	10 Aug 2021	High Tide Time	2254
F35	10 Aug 2021	Low Tide (ft)	-0.37
F35	10 Aug 2021	Low Tide Time	512
F35	10 Aug 2021	Comments	18762 100m Dup; 18763 100m; 18764 57m; 18765 1m
F36	10 Aug 2021	Depth (m)	101
F36	10 Aug 2021	Arrive Time	920
F36	10 Aug 2021	Depart Time	926
F36	10 Aug 2021	Air Temp (C)	19.6
F36	10 Aug 2021	Weather	Partly Cloudy
F36	10 Aug 2021	Visibility (mi)	8
F36	10 Aug 2021	Wind Speed (kts)	5
F36	10 Aug 2021	Wind Dir	NW
F36	10 Aug 2021	Water Color	Blue
F36	10 Aug 2021	Wave Ht Low (ft)	3
F36	10 Aug 2021	Wave Period (sec)	13
F36	10 Aug 2021	Sea State	Calm
F36	10 Aug 2021	High Tide (ft)	5.86
F36	10 Aug 2021	High Tide Time	2254
F36	10 Aug 2021	Low Tide (ft)	-0.37
F36	10 Aug 2021	Low Tide Time	512
F36	10 Aug 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 ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F01	11 Aug 2021	1	19.48	76.57	9.3	33.50	8.2	23.8	0.87
F01	11 Aug 2021	2	19.22	76.64	9.3	33.52	8.2	23.8	0.90
F01	11 Aug 2021	3	18.98	76.05	9.3	33.52	8.2	23.9	1.04
F01	11 Aug 2021	4	18.85	75.85	9.3	33.52	8.2	23.9	1.30
F01	11 Aug 2021	5	18.78	75.42	9.3	33.52	8.2	23.9	1.58
F01	11 Aug 2021	6	18.70	74.69	9.2	33.52	8.2	24.0	1.86
F01	11 Aug 2021	7	18.66	74.51	9.2	33.52	8.2	24.0	2.10
F01	11 Aug 2021	8	18.54	74.16	9.1	33.53	8.2	24.0	2.25
F01	11 Aug 2021	9	18.37	74.10	8.9	33.53	8.2	24.1	2.47
F01	11 Aug 2021	10	17.87	74.01	8.8	33.54	8.2	24.2	2.61
F01	11 Aug 2021	11	17.14	74.27	8.8	33.55	8.2	24.4	2.78
F01	11 Aug 2021	12	16.00	75.13	8.7	33.53	8.2	24.6	3.04
F01	11 Aug 2021	13	14.58	76.34	8.4	33.56	8.2	24.9	3.44
F01	11 Aug 2021	14	14.01	77.53	7.9	33.52	8.1	25.0	3.83
F01	11 Aug 2021	15	13.76	78.26	7.4	33.52	8.1	25.1	3.83
F01	11 Aug 2021	16	13.44	81.09	6.8	33.53	8.0	25.2	3.75
F01	11 Aug 2021	17	13.10	82.17	6.3	33.55	8.0	25.2	3.25
F01	11 Aug 2021	18	12.90	83.52	6.1	33.55	8.0	25.3	2.84
F02	11 Aug 2021	1	18.82	73.73	8.6	33.49	8.1	23.9	1.08
F02	11 Aug 2021	2	18.76	81.17	8.6	33.51	8.1	23.9	1.13
F02	11 Aug 2021	3	18.47	80.71	8.6	33.55	8.1	24.0	1.05
F02	11 Aug 2021	4	17.81	78.61	8.7	33.60	8.1	24.2	1.16
F02	11 Aug 2021	5	17.06	75.13	9.0	33.60	8.1	24.4	1.48
F02	11 Aug 2021	6	16.72	75.34	9.1	33.58	8.1	24.5	2.15
F02	11 Aug 2021	7	16.08	76.46	9.2	33.58	8.1	24.6	2.68
F02	11 Aug 2021	8	15.91	75.80	9.2	33.54	8.1	24.6	3.19
F02	11 Aug 2021	9	15.91	74.84	9.2	33.53	8.1	24.6	3.62
F02	11 Aug 2021	10	15.84	74.86	9.1	33.53	8.1	24.7	3.95
F02	11 Aug 2021	11	15.78	74.54	9.1	33.52	8.1	24.7	4.27
F02	11 Aug 2021	12	15.77	74.30	9.1	33.53	8.1	24.7	4.45
F02	11 Aug 2021	13	15.67	74.00	8.8	33.54	8.1	24.7	4.60
F02	11 Aug 2021	14	15.51	74.00	8.7	33.54	8.1	24.7	4.80
F02	11 Aug 2021	15	15.35	75.26	8.5	33.57	8.1	24.8	5.01
F02	11 Aug 2021	16	14.71	76.80	8.2	33.61	8.1	25.0	5.10
F02	11 Aug 2021	17	14.04	79.55	7.8	33.64	8.0	25.1	5.30
F02	11 Aug 2021	18	13.68	81.81	7.5	33.58	8.0	25.2	4.90
F02	11 Aug 2021	19	13.22	81.42	7.2	33.61	8.0	25.3	4.39
F02	11 Aug 2021	20	12.99	81.02	7.0	33.56	8.0	25.3	4.00
F03	11 Aug 2021	1	18.12	81.46	8.5	33.49	8.2	24.1	0.86
F03	11 Aug 2021	2	18.10	81.49	8.5	33.49	8.2	24.1	0.82
F03	11 Aug 2021	3	18.03	83.24	8.5	33.53	8.2	24.1	0.86
F03	11 Aug 2021	4	17.04	82.74	8.6	33.65	8.2	24.5	0.89
F03	11 Aug 2021	5	16.44	81.88	8.8	33.59	8.2	24.6	0.86
F03	11 Aug 2021	6	16.24	81.01	8.9	33.55	8.2	24.6	1.02
F03	11 Aug 2021	7	15.96	80.03	9.0	33.58	8.2	24.7	1.04
F03	11 Aug 2021	8	15.43	78.08	9.0	33.59	8.2	24.8	1.32
F03	11 Aug 2021	9	15.09	77.96	8.9	33.58	8.1	24.9	1.54
F03	11 Aug 2021	10	14.67	79.37	8.7	33.59	8.1	25.0	2.02
F03	11 Aug 2021	11	14.35	80.17	8.5	33.57	8.1	25.0	2.42
F03	11 Aug 2021	12	14.20	80.71	8.4	33.55	8.1	25.0	2.79
F03	11 Aug 2021	13	14.11	80.47	8.3	33.53	8.1	25.0	3.11
F03	11 Aug 2021	14	13.99	80.36	8.3	33.54	8.1	25.1	3.21
F03	11 Aug 2021	15	13.96	80.73	8.3	33.53	8.1	25.1	3.27
F03	11 Aug 2021	16	13.70	81.46	8.1	33.58	8.1	25.2	3.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F03	11 Aug 2021	17	13.24	81.71	7.7	33.59	8.0	25.3	3.32
F03	11 Aug 2021	18	13.09	81.41	7.3	33.56	8.0	25.3	3.22
F03	11 Aug 2021	19	13.06	80.87	7.0	33.55	8.0	25.3	3.33
F04	11 Aug 2021	1	20.18	82.15	8.9	33.52	8.2	23.6	0.55
F04	11 Aug 2021	2	19.98	82.66	8.7	33.55	8.2	23.7	0.53
F04	11 Aug 2021	3	19.36	82.75	8.8	33.54	8.2	23.8	0.53
F04	11 Aug 2021	4	19.19	82.57	8.8	33.52	8.2	23.8	0.58
F04	11 Aug 2021	5	18.79	82.08	8.9	33.54	8.2	24.0	0.61
F04	11 Aug 2021	6	18.06	81.41	9.2	33.53	8.2	24.1	0.66
F04	11 Aug 2021	7	17.59	81.15	9.2	33.52	8.2	24.2	0.74
F04	11 Aug 2021	8	16.97	80.67	9.3	33.51	8.2	24.4	0.81
F04	11 Aug 2021	9	16.72	80.54	9.3	33.49	8.2	24.4	0.88
F04	11 Aug 2021	10	16.48	80.42	9.3	33.48	8.2	24.5	1.01
F04	11 Aug 2021	11	16.08	80.97	9.3	33.50	8.2	24.6	1.17
F04	11 Aug 2021	12	15.67	81.87	9.2	33.47	8.2	24.6	1.19
F04	11 Aug 2021	13	15.25	81.40	9.1	33.49	8.2	24.8	1.28
F04	11 Aug 2021	14	15.04	80.38	8.8	33.51	8.2	24.8	1.50
F04	11 Aug 2021	15	14.37	80.51	8.5	33.50	8.1	25.0	1.71
F04	11 Aug 2021	16	13.97	81.04	8.2	33.49	8.1	25.0	1.93
F04	11 Aug 2021	17	13.75	81.46	8.1	33.49	8.1	25.1	2.16
F04	11 Aug 2021	18	13.71	81.42	7.9	33.49	8.1	25.1	2.33
F04	11 Aug 2021	19	13.48	81.10	7.8	33.50	8.1	25.1	2.50
F04	11 Aug 2021	20	13.23	80.65	7.5	33.51	8.1	25.2	3.00
F04	11 Aug 2021	21	13.15	80.74	7.3	33.50	8.1	25.2	3.63
F04	11 Aug 2021	22	13.11	81.24	7.3	33.51	8.0	25.2	4.14
F04	11 Aug 2021	23	13.11	80.08	7.2	33.51	8.0	25.2	4.50
F04	11 Aug 2021	24	13.05	78.71	7.2	33.53	8.0	25.2	5.02
F04	11 Aug 2021	25	13.03	78.06	7.2	33.54	8.0	25.3	5.84
F04	11 Aug 2021	26	13.01	78.16	7.2	33.55	8.0	25.3	6.33
F04	11 Aug 2021	27	12.94	78.19	7.2	33.55	8.0	25.3	6.40
F04	11 Aug 2021	28	12.93	78.32	7.2	33.55	8.0	25.3	6.46
F04	11 Aug 2021	29	12.67	81.14	7.0	33.55	8.0	25.3	6.10
F04	11 Aug 2021	30	12.51	83.28	6.8	33.57	8.0	25.4	5.37
F04	11 Aug 2021	31	12.37	84.67	6.5	33.57	8.0	25.4	4.70
F04	11 Aug 2021	32	12.22	85.93	6.2	33.58	8.0	25.4	3.31
F04	11 Aug 2021	33	12.17	86.48	6.0	33.58	8.0	25.5	2.62
F04	11 Aug 2021	34	12.10	86.73	5.9	33.59	8.0	25.5	2.24
F04	11 Aug 2021	35	12.04	87.20	5.7	33.61	7.9	25.5	1.95
F04	11 Aug 2021	36	12.00	87.55	5.6	33.61	7.9	25.5	1.63
F04	11 Aug 2021	37	11.97	87.42	5.6	33.61	7.9	25.5	1.54
F04	11 Aug 2021	38	11.92	87.76	5.5	33.62	7.9	25.5	1.33
F04	11 Aug 2021	39	11.87	87.84	5.5	33.62	7.9	25.5	1.44
F04	11 Aug 2021	40	11.87	87.89	5.5	33.62	7.9	25.5	1.12
F04	11 Aug 2021	41	11.86	87.92	5.4	33.62	7.9	25.5	1.11
F04	11 Aug 2021	42	11.85	87.89	5.4	33.63	7.9	25.6	1.07
F04	11 Aug 2021	43	11.83	87.94	5.3	33.64	7.9	25.6	1.08
F04	11 Aug 2021	44	11.82	87.74	5.2	33.64	7.9	25.6	1.05
F04	11 Aug 2021	45	11.82	87.92	5.2	33.64	7.9	25.6	1.10
F04	11 Aug 2021	46	11.81	87.94	5.2	33.64	7.9	25.6	0.97
F04	11 Aug 2021	47	11.81	87.94	5.2	33.64	7.9	25.6	0.99
F04	11 Aug 2021	48	11.77	87.91	5.2	33.64	7.9	25.6	1.04
F04	11 Aug 2021	49	11.73	88.06	5.2	33.64	7.9	25.6	1.06
F04	11 Aug 2021	50	11.70	88.10	5.2	33.65	7.9	25.6	1.03
F04	11 Aug 2021	51	11.69	88.03	5.2	33.65	7.9	25.6	1.04
F04	11 Aug 2021	52	11.68	87.88	5.1	33.65	7.9	25.6	0.94
F04	11 Aug 2021	53	11.67	87.49	5.0	33.66	7.9	25.6	0.91
F04	11 Aug 2021	54	11.65	87.37	4.9	33.67	7.9	25.6	0.95
F04	11 Aug 2021	55	11.65	87.34	4.9	33.67	7.9	25.6	0.95
F04	11 Aug 2021	56	11.62	86.99	4.9	33.67	7.9	25.6	0.90
F04	11 Aug 2021	57	11.61	86.61	4.9	33.66	7.9	25.6	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F04	11 Aug 2021	58	11.61	86.58	4.9	33.66	7.9	25.6	0.98
F04	11 Aug 2021	59	11.59	86.40	4.9	33.66	7.9	25.6	1.05
F04	11 Aug 2021	60	11.59	86.17	4.9	33.66	7.9	25.6	1.08
F04	11 Aug 2021	61	11.59	86.14	4.9	33.66	7.9	25.6	1.08
F04	11 Aug 2021	62	11.59	85.97	4.9	33.66	7.9	25.6	1.01
F05	11 Aug 2021	1	20.02	82.82	9.0	33.52	8.2	23.6	0.55
F05	11 Aug 2021	2	19.66	82.77	8.9	33.54	8.2	23.7	0.55
F05	11 Aug 2021	3	18.77	82.45	8.9	33.57	8.2	24.0	0.58
F05	11 Aug 2021	4	17.68	82.07	9.2	33.53	8.2	24.2	0.60
F05	11 Aug 2021	5	17.12	81.17	9.2	33.51	8.2	24.3	0.66
F05	11 Aug 2021	6	16.36	80.96	9.2	33.49	8.2	24.5	0.79
F05	11 Aug 2021	7	15.48	82.63	9.4	33.46	8.2	24.7	0.85
F05	11 Aug 2021	8	15.18	83.80	9.5	33.45	8.2	24.7	0.83
F05	11 Aug 2021	9	15.08	83.90	9.5	33.44	8.2	24.8	0.97
F05	11 Aug 2021	10	15.06	83.83	9.5	33.44	8.2	24.8	0.97
F05	11 Aug 2021	11	15.00	83.56	9.4	33.44	8.2	24.8	1.01
F05	11 Aug 2021	12	14.73	83.00	9.4	33.45	8.2	24.8	1.14
F05	11 Aug 2021	13	14.71	83.53	9.4	33.44	8.2	24.8	1.29
F05	11 Aug 2021	14	14.42	83.74	9.3	33.45	8.2	24.9	1.47
F05	11 Aug 2021	15	14.20	83.53	9.2	33.45	8.2	24.9	1.57
F05	11 Aug 2021	16	14.07	83.34	9.2	33.45	8.2	25.0	1.65
F05	11 Aug 2021	17	13.94	82.79	9.0	33.47	8.2	25.0	1.85
F05	11 Aug 2021	18	13.44	81.27	8.7	33.49	8.1	25.1	2.17
F05	11 Aug 2021	19	13.29	79.98	8.5	33.49	8.1	25.2	2.72
F05	11 Aug 2021	20	13.24	80.25	8.4	33.48	8.1	25.2	3.46
F05	11 Aug 2021	21	12.93	79.13	8.2	33.50	8.1	25.2	4.06
F05	11 Aug 2021	22	12.66	81.00	7.7	33.52	8.1	25.3	4.24
F05	11 Aug 2021	23	12.59	81.89	7.2	33.52	8.0	25.3	4.60
F05	11 Aug 2021	24	12.38	84.82	6.8	33.55	8.0	25.4	4.17
F05	11 Aug 2021	25	12.31	85.44	6.5	33.56	8.0	25.4	3.70
F05	11 Aug 2021	26	12.18	86.22	6.3	33.57	8.0	25.4	3.02
F05	11 Aug 2021	27	12.08	86.63	6.0	33.59	7.9	25.5	2.52
F05	11 Aug 2021	28	12.06	87.18	5.8	33.60	7.9	25.5	2.28
F05	11 Aug 2021	29	12.05	87.20	5.7	33.61	7.9	25.5	2.00
F05	11 Aug 2021	30	12.04	87.25	5.6	33.62	7.9	25.5	1.70
F05	11 Aug 2021	31	12.01	87.37	5.5	33.62	7.9	25.5	1.50
F05	11 Aug 2021	32	11.99	87.59	5.5	33.63	7.9	25.5	1.38
F05	11 Aug 2021	33	11.94	87.66	5.4	33.63	7.9	25.5	1.24
F05	11 Aug 2021	34	11.90	87.66	5.4	33.63	7.9	25.5	1.34
F05	11 Aug 2021	35	11.89	87.68	5.4	33.63	7.9	25.5	1.10
F05	11 Aug 2021	36	11.87	87.75	5.3	33.63	7.9	25.6	1.07
F05	11 Aug 2021	37	11.84	87.79	5.3	33.64	7.9	25.6	1.08
F05	11 Aug 2021	38	11.83	87.95	5.3	33.64	7.9	25.6	1.08
F05	11 Aug 2021	39	11.80	87.89	5.2	33.64	7.9	25.6	1.08
F05	11 Aug 2021	40	11.76	88.05	5.2	33.65	7.9	25.6	1.03
F05	11 Aug 2021	41	11.75	88.02	5.2	33.65	7.9	25.6	1.07
F05	11 Aug 2021	42	11.72	88.00	5.2	33.65	7.9	25.6	0.96
F05	11 Aug 2021	43	11.69	87.96	5.2	33.65	7.9	25.6	0.96
F05	11 Aug 2021	44	11.69	87.88	5.2	33.65	7.9	25.6	1.08
F05	11 Aug 2021	45	11.68	87.85	5.2	33.65	7.9	25.6	1.01
F05	11 Aug 2021	46	11.67	87.89	5.1	33.65	7.9	25.6	1.13
F05	11 Aug 2021	47	11.67	87.88	5.2	33.65	7.9	25.6	1.06
F05	11 Aug 2021	48	11.66	87.87	5.1	33.65	7.9	25.6	1.04
F05	11 Aug 2021	49	11.65	87.71	5.1	33.65	7.9	25.6	1.13
F05	11 Aug 2021	50	11.64	87.58	5.1	33.65	7.9	25.6	1.01
F05	11 Aug 2021	51	11.63	87.06	5.1	33.65	7.9	25.6	1.01
F05	11 Aug 2021	52	11.62	87.30	5.0	33.65	7.9	25.6	1.00
F05	11 Aug 2021	53	11.62	86.80	5.0	33.65	7.8	25.6	1.10
F05	11 Aug 2021	54	11.61	86.59	5.0	33.65	7.8	25.6	1.08
F05	11 Aug 2021	55	11.61	85.97	5.0	33.65	7.8	25.6	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F05	11 Aug 2021	56	11.61	85.79	5.0	33.65	7.8	25.6	1.22
	11 Aug 2021	57	11.60	85.57	5.0	33.65	7.8	25.6	1.41
	11 Aug 2021	58	11.60	85.52	5.0	33.65	7.8	25.6	1.36
	11 Aug 2021	59	11.60	85.38	5.0	33.65	7.8	25.6	1.43
	11 Aug 2021	60	11.59	85.02	5.0	33.65	7.8	25.6	1.47
	11 Aug 2021	61	11.59	84.71	5.0	33.65	7.8	25.6	1.52
	11 Aug 2021	62	11.59	84.28	5.0	33.65	7.8	25.6	1.76
F06	11 Aug 2021	1	19.65	79.02	9.2	33.52	8.2	23.7	0.62
	11 Aug 2021	2	19.59	70.01	9.2	33.52	8.2	23.7	0.62
	11 Aug 2021	3	19.52	79.16	9.1	33.52	8.2	23.8	0.65
	11 Aug 2021	4	19.46	80.93	8.9	33.52	8.2	23.8	0.66
	11 Aug 2021	5	18.85	81.93	9.0	33.53	8.2	23.9	0.72
	11 Aug 2021	6	18.83	81.88	9.0	33.50	8.2	23.9	0.76
	11 Aug 2021	7	18.20	81.20	9.1	33.52	8.2	24.1	0.79
	11 Aug 2021	8	17.72	81.28	9.3	33.50	8.2	24.2	0.89
	11 Aug 2021	9	17.33	81.19	9.3	33.51	8.2	24.3	1.02
	11 Aug 2021	10	16.65	81.29	9.5	33.49	8.2	24.4	1.15
	11 Aug 2021	11	16.21	80.50	9.3	33.51	8.2	24.6	1.32
	11 Aug 2021	12	14.69	81.40	9.5	33.48	8.2	24.9	1.57
	11 Aug 2021	13	14.27	82.68	9.7	33.45	8.2	24.9	1.68
	11 Aug 2021	14	13.95	83.22	9.7	33.44	8.2	25.0	1.63
	11 Aug 2021	15	13.79	83.22	9.6	33.43	8.2	25.0	1.63
	11 Aug 2021	16	13.57	82.98	9.2	33.45	8.2	25.1	1.79
	11 Aug 2021	17	13.20	81.25	8.7	33.47	8.1	25.2	2.08
	11 Aug 2021	18	13.17	80.26	8.3	33.48	8.1	25.2	3.00
	11 Aug 2021	19	13.18	80.21	8.1	33.48	8.1	25.2	3.73
	11 Aug 2021	20	12.80	79.69	7.8	33.51	8.1	25.3	4.06
	11 Aug 2021	21	12.67	80.63	7.5	33.50	8.0	25.3	4.81
	11 Aug 2021	22	12.56	82.20	7.1	33.53	8.0	25.3	4.61
	11 Aug 2021	23	12.27	84.70	6.7	33.54	8.0	25.4	4.31
	11 Aug 2021	24	12.21	85.89	6.6	33.54	8.0	25.4	3.66
	11 Aug 2021	25	12.19	86.21	6.5	33.53	8.0	25.4	2.98
	11 Aug 2021	26	12.14	86.49	6.4	33.54	8.0	25.4	2.53
	11 Aug 2021	27	12.04	86.84	6.3	33.56	8.0	25.5	2.27
	11 Aug 2021	28	12.01	87.03	6.1	33.57	7.9	25.5	2.23
	11 Aug 2021	29	12.02	87.05	6.0	33.58	7.9	25.5	2.06
	11 Aug 2021	30	12.03	87.23	5.9	33.59	7.9	25.5	2.00
	11 Aug 2021	31	12.04	87.29	5.8	33.60	7.9	25.5	1.86
	11 Aug 2021	32	12.00	87.32	5.6	33.62	7.9	25.5	1.86
	11 Aug 2021	33	11.91	87.55	5.5	33.62	7.9	25.5	1.56
	11 Aug 2021	34	11.84	87.81	5.5	33.62	7.9	25.5	1.38
	11 Aug 2021	35	11.86	87.62	5.5	33.62	7.9	25.5	1.31
	11 Aug 2021	36	11.78	87.84	5.4	33.62	7.9	25.6	1.28
	11 Aug 2021	37	11.73	87.95	5.4	33.63	7.9	25.6	1.17
	11 Aug 2021	38	11.66	87.07	5.3	33.64	7.9	25.6	1.27
	11 Aug 2021	39	11.61	87.32	5.3	33.64	7.9	25.6	1.19
	11 Aug 2021	40	11.61	87.50	5.2	33.64	7.9	25.6	1.25
	11 Aug 2021	41	11.61	87.56	5.2	33.64	7.9	25.6	1.14
	11 Aug 2021	42	11.61	87.47	5.2	33.64	7.9	25.6	1.15
	11 Aug 2021	43	11.60	87.22	5.2	33.64	7.9	25.6	1.27
	11 Aug 2021	44	11.60	87.17	5.2	33.64	7.9	25.6	1.28
	11 Aug 2021	45	11.60	87.22	5.2	33.64	7.9	25.6	1.27
	11 Aug 2021	46	11.60	87.01	5.2	33.64	7.9	25.6	1.22
	11 Aug 2021	47	11.60	87.20	5.2	33.64	7.9	25.6	1.24
	11 Aug 2021	48	11.60	86.52	5.2	33.64	7.9	25.6	1.28
	11 Aug 2021	49	11.60	86.26	5.1	33.64	7.9	25.6	1.28
	11 Aug 2021	50	11.60	86.35	5.1	33.64	7.9	25.6	1.41
	11 Aug 2021	51	11.60	86.51	5.1	33.64	7.8	25.6	1.45
	11 Aug 2021	52	11.60	86.41	5.1	33.64	7.8	25.6	1.35
	11 Aug 2021	53	11.60	86.20	5.1	33.64	7.8	25.6	1.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F06	11 Aug 2021	54	11.60	85.92	5.1	33.64	7.8	25.6	1.36
F06	11 Aug 2021	55	11.60	85.80	5.1	33.64	7.8	25.6	1.50
F06	11 Aug 2021	56	11.60	85.83	5.1	33.64	7.8	25.6	1.58
F06	11 Aug 2021	57	11.59	85.47	5.1	33.64	7.8	25.6	1.56
F06	11 Aug 2021	58	11.59	85.29	5.1	33.64	7.8	25.6	1.62
F06	11 Aug 2021	59	11.58	85.16	5.1	33.64	7.8	25.6	1.57
F06	11 Aug 2021	60	11.58	84.95	5.1	33.64	7.8	25.6	1.69
F06	11 Aug 2021	61	11.58	84.89	5.1	33.64	7.8	25.6	1.74
F06	11 Aug 2021	62	11.57	84.00	5.1	33.64	7.8	25.6	1.71
F07	11 Aug 2021	1	19.19	77.99	9.4	33.52	8.2	23.8	0.76
F07	11 Aug 2021	2	19.12	76.81	9.4	33.52	8.2	23.9	0.77
F07	11 Aug 2021	3	18.95	78.16	9.3	33.53	8.2	23.9	0.80
F07	11 Aug 2021	4	18.27	79.30	9.5	33.53	8.2	24.1	1.05
F07	11 Aug 2021	5	18.26	76.81	9.6	33.51	8.2	24.1	1.52
F07	11 Aug 2021	6	18.15	76.62	9.4	33.52	8.2	24.1	1.77
F07	11 Aug 2021	7	18.02	76.36	9.2	33.52	8.2	24.1	2.00
F07	11 Aug 2021	8	18.00	77.29	9.0	33.52	8.2	24.1	2.19
F07	11 Aug 2021	9	17.18	77.72	9.0	33.54	8.2	24.4	2.43
F07	11 Aug 2021	10	16.32	76.47	9.2	33.52	8.2	24.5	2.74
F07	11 Aug 2021	11	15.54	77.07	8.8	33.53	8.2	24.7	3.06
F07	11 Aug 2021	12	14.07	78.72	8.7	33.50	8.1	25.0	3.30
F07	11 Aug 2021	13	13.69	79.88	8.7	33.46	8.1	25.1	3.43
F07	11 Aug 2021	14	13.47	81.47	8.6	33.45	8.1	25.1	3.37
F07	11 Aug 2021	15	12.93	80.47	8.3	33.45	8.1	25.2	3.66
F07	11 Aug 2021	16	12.81	79.97	8.0	33.46	8.1	25.2	4.23
F07	11 Aug 2021	17	12.70	80.09	7.7	33.47	8.1	25.3	4.51
F07	11 Aug 2021	18	12.64	81.12	7.3	33.48	8.0	25.3	4.76
F07	11 Aug 2021	19	12.52	83.90	7.0	33.51	8.0	25.3	4.38
F07	11 Aug 2021	20	12.50	84.18	6.7	33.51	8.0	25.3	3.99
F07	11 Aug 2021	21	12.50	84.46	6.7	33.52	8.0	25.3	3.34
F07	11 Aug 2021	22	12.49	84.69	6.5	33.53	8.0	25.4	2.98
F07	11 Aug 2021	23	12.50	84.86	6.4	33.55	8.0	25.4	3.08
F07	11 Aug 2021	24	12.51	85.03	6.2	33.56	8.0	25.4	2.35
F07	11 Aug 2021	25	12.44	85.69	5.9	33.58	7.9	25.4	2.00
F07	11 Aug 2021	26	12.40	85.98	5.8	33.59	7.9	25.4	1.88
F07	11 Aug 2021	27	12.25	86.49	5.8	33.59	7.9	25.4	1.81
F07	11 Aug 2021	28	12.04	87.12	6.0	33.56	7.9	25.5	1.64
F07	11 Aug 2021	29	11.98	87.45	6.1	33.56	7.9	25.5	1.78
F07	11 Aug 2021	30	11.88	87.71	6.0	33.56	7.9	25.5	1.75
F07	11 Aug 2021	31	11.76	87.73	5.9	33.57	7.9	25.5	1.67
F07	11 Aug 2021	32	11.71	88.10	5.8	33.57	7.9	25.5	1.41
F07	11 Aug 2021	33	11.61	88.19	5.8	33.58	7.9	25.6	1.26
F07	11 Aug 2021	34	11.54	88.39	5.7	33.58	7.9	25.6	1.23
F07	11 Aug 2021	35	11.56	88.37	5.7	33.58	7.9	25.6	1.31
F07	11 Aug 2021	36	11.53	88.32	5.6	33.59	7.9	25.6	1.14
F07	11 Aug 2021	37	11.52	88.42	5.6	33.59	7.9	25.6	1.05
F07	11 Aug 2021	38	11.52	88.44	5.6	33.59	7.9	25.6	1.01
F07	11 Aug 2021	39	11.51	88.38	5.5	33.60	7.9	25.6	1.05
F07	11 Aug 2021	40	11.48	88.44	5.4	33.61	7.9	25.6	1.02
F07	11 Aug 2021	41	11.48	87.95	5.3	33.62	7.9	25.6	1.03
F07	11 Aug 2021	42	11.48	87.80	5.3	33.63	7.9	25.6	1.08
F07	11 Aug 2021	43	11.49	87.51	5.2	33.63	7.9	25.6	1.05
F07	11 Aug 2021	44	11.48	87.53	5.2	33.63	7.9	25.6	1.04
F07	11 Aug 2021	45	11.48	87.57	5.2	33.63	7.9	25.6	1.12
F07	11 Aug 2021	46	11.48	87.58	5.2	33.63	7.9	25.6	1.17
F07	11 Aug 2021	47	11.48	87.61	5.2	33.63	7.9	25.6	1.13
F07	11 Aug 2021	48	11.49	87.62	5.2	33.63	7.9	25.6	1.27
F07	11 Aug 2021	49	11.48	87.55	5.2	33.63	7.9	25.6	1.20
F07	11 Aug 2021	50	11.48	87.53	5.2	33.63	7.9	25.6	1.13
F07	11 Aug 2021	51	11.48	87.38	5.2	33.63	7.9	25.6	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F07	11 Aug 2021	52	11.49	87.20	5.2	33.63	7.8	25.6	1.11
F07	11 Aug 2021	53	11.49	87.26	5.2	33.63	7.8	25.6	1.14
F07	11 Aug 2021	54	11.49	87.16	5.2	33.63	7.8	25.6	1.08
F07	11 Aug 2021	55	11.49	86.96	5.2	33.63	7.8	25.6	1.18
F07	11 Aug 2021	56	11.49	86.86	5.2	33.63	7.8	25.6	1.18
F07	11 Aug 2021	57	11.50	86.78	5.2	33.63	7.8	25.6	1.24
F07	11 Aug 2021	58	11.48	86.75	5.1	33.63	7.8	25.6	1.29
F07	11 Aug 2021	59	11.45	86.56	5.1	33.64	7.8	25.6	1.26
F07	11 Aug 2021	60	11.42	85.76	5.1	33.64	7.8	25.6	1.22
F07	11 Aug 2021	61	11.36	85.07	5.0	33.64	7.8	25.7	1.32
F07	11 Aug 2021	62	11.35	84.13	5.0	33.64	7.8	25.7	1.38
F07	11 Aug 2021	63	11.33	83.34	5.0	33.64	7.8	25.7	1.60
F07	11 Aug 2021	64	11.31	82.56	5.0	33.64	7.8	25.7	1.54
F08	11 Aug 2021	1	17.28	73.62	8.8	33.51	8.1	24.3	1.03
F08	11 Aug 2021	2	17.22	72.10	8.6	33.48	8.1	24.3	1.06
F08	11 Aug 2021	3	15.72	76.16	8.2	33.62	8.1	24.7	1.15
F08	11 Aug 2021	4	14.41	76.48	7.9	33.54	8.1	25.0	1.61
F08	11 Aug 2021	5	14.38	76.72	7.6	33.53	8.1	25.0	1.97
F08	11 Aug 2021	6	14.08	77.82	7.2	33.55	8.0	25.1	2.09
F08	11 Aug 2021	7	13.70	80.16	6.9	33.55	8.0	25.1	1.93
F08	11 Aug 2021	8	13.42	81.38	6.7	33.55	8.0	25.2	1.87
F08	11 Aug 2021	9	13.24	82.05	6.5	33.55	8.0	25.2	1.93
F08	11 Aug 2021	10	13.21	82.29	6.5	33.54	8.0	25.2	2.11
F08	11 Aug 2021	11	13.21	82.31	6.5	33.54	8.0	25.2	2.21
F08	11 Aug 2021	12	13.19	82.23	6.5	33.55	8.0	25.2	2.41
F08	11 Aug 2021	13	13.12	82.42	6.5	33.55	8.0	25.2	2.52
F08	11 Aug 2021	14	12.96	81.85	6.5	33.55	8.0	25.3	2.72
F08	11 Aug 2021	15	12.72	81.60	6.4	33.56	8.0	25.3	3.07
F08	11 Aug 2021	16	12.64	83.00	6.2	33.57	7.9	25.4	3.05
F08	11 Aug 2021	17	12.52	84.61	6.1	33.56	7.9	25.4	2.62
F08	11 Aug 2021	18	12.36	85.29	6.2	33.54	7.9	25.4	2.45
F08	11 Aug 2021	19	12.27	85.92	6.4	33.53	8.0	25.4	2.52
F08	11 Aug 2021	20	12.10	86.56	6.5	33.53	8.0	25.4	2.12
F08	11 Aug 2021	21	11.98	87.36	6.3	33.54	7.9	25.5	2.11
F08	11 Aug 2021	22	11.96	87.41	6.2	33.54	7.9	25.5	1.87
F08	11 Aug 2021	23	11.90	87.45	6.1	33.55	7.9	25.5	1.82
F08	11 Aug 2021	24	11.86	87.65	6.0	33.56	7.9	25.5	1.58
F08	11 Aug 2021	25	11.82	87.62	5.9	33.57	7.9	25.5	1.71
F08	11 Aug 2021	26	11.75	87.48	5.8	33.57	7.9	25.5	1.69
F08	11 Aug 2021	27	11.66	87.65	5.8	33.57	7.9	25.5	1.47
F08	11 Aug 2021	28	11.62	88.06	5.8	33.57	7.9	25.6	1.59
F08	11 Aug 2021	29	11.60	87.91	5.7	33.58	7.9	25.6	1.42
F08	11 Aug 2021	30	11.59	87.91	5.6	33.59	7.9	25.6	1.26
F08	11 Aug 2021	31	11.58	87.64	5.5	33.60	7.9	25.6	1.14
F08	11 Aug 2021	32	11.58	87.51	5.5	33.60	7.9	25.6	1.15
F08	11 Aug 2021	33	11.58	87.43	5.4	33.60	7.9	25.6	1.21
F08	11 Aug 2021	34	11.59	87.29	5.4	33.61	7.9	25.6	1.17
F08	11 Aug 2021	35	11.60	87.06	5.3	33.61	7.9	25.6	1.10
F08	11 Aug 2021	36	11.58	86.73	5.2	33.63	7.9	25.6	1.19
F08	11 Aug 2021	37	11.57	86.55	5.2	33.63	7.8	25.6	1.07
F08	11 Aug 2021	38	11.54	86.38	5.2	33.63	7.8	25.6	1.07
F08	11 Aug 2021	39	11.52	86.38	5.2	33.63	7.8	25.6	1.14
F08	11 Aug 2021	40	11.52	86.44	5.2	33.62	7.8	25.6	1.14
F08	11 Aug 2021	41	11.52	86.50	5.2	33.62	7.8	25.6	1.14
F08	11 Aug 2021	42	11.52	86.62	5.2	33.62	7.8	25.6	1.23
F08	11 Aug 2021	43	11.52	86.67	5.2	33.63	7.8	25.6	1.23
F08	11 Aug 2021	44	11.49	86.44	5.2	33.63	7.8	25.6	1.14
F08	11 Aug 2021	45	11.45	87.00	5.2	33.63	7.8	25.6	1.12
F08	11 Aug 2021	46	11.44	87.17	5.2	33.63	7.8	25.6	1.17
F08	11 Aug 2021	47	11.44	87.16	5.2	33.63	7.8	25.6	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F08	11 Aug 2021	48	11.44	87.07	5.2	33.63	7.8	25.6	1.15
F08	11 Aug 2021	49	11.44	86.86	5.2	33.63	7.8	25.6	1.25
F08	11 Aug 2021	50	11.44	86.67	5.2	33.63	7.8	25.6	1.15
F08	11 Aug 2021	51	11.44	86.53	5.1	33.63	7.8	25.6	1.18
F08	11 Aug 2021	52	11.44	86.50	5.1	33.64	7.8	25.6	1.34
F08	11 Aug 2021	53	11.43	86.48	5.1	33.64	7.8	25.6	1.30
F08	11 Aug 2021	54	11.42	86.39	5.0	33.64	7.8	25.6	1.24
F08	11 Aug 2021	55	11.41	86.11	5.1	33.64	7.8	25.6	1.19
F08	11 Aug 2021	56	11.38	86.29	5.0	33.65	7.8	25.7	1.39
F08	11 Aug 2021	57	11.37	86.30	5.0	33.65	7.8	25.7	1.15
F08	11 Aug 2021	58	11.36	85.96	5.0	33.65	7.8	25.7	1.15
F08	11 Aug 2021	59	11.33	86.06	5.0	33.65	7.8	25.7	1.13
F08	11 Aug 2021	60	11.32	85.22	5.0	33.65	7.8	25.7	1.25
F08	11 Aug 2021	61	11.31	84.49	5.0	33.65	7.8	25.7	1.31
F08	11 Aug 2021	62	11.31	83.72	5.0	33.65	7.8	25.7	1.31
F08	11 Aug 2021	63	11.31	83.33	5.0	33.65	7.8	25.7	1.31
F09	11 Aug 2021	1	17.73	78.15	9.1	33.50	8.2	24.2	1.08
F09	11 Aug 2021	2	17.58	78.22	8.7	33.54	8.2	24.3	1.09
F09	11 Aug 2021	3	15.63	77.39	8.2	33.59	8.1	24.7	1.29
F09	11 Aug 2021	4	14.55	76.15	7.7	33.55	8.1	25.0	1.58
F09	11 Aug 2021	5	14.35	77.65	7.3	33.52	8.0	25.0	1.71
F09	11 Aug 2021	6	14.06	79.06	7.2	33.52	8.0	25.0	1.84
F09	11 Aug 2021	7	13.73	79.82	7.0	33.54	8.0	25.1	1.85
F09	11 Aug 2021	8	13.42	80.86	6.7	33.53	8.0	25.2	1.87
F09	11 Aug 2021	9	13.18	82.14	6.5	33.55	8.0	25.2	1.75
F09	11 Aug 2021	10	13.06	82.87	6.3	33.54	7.9	25.3	1.78
F09	11 Aug 2021	11	13.05	83.10	6.3	33.55	7.9	25.3	1.94
F09	11 Aug 2021	12	13.04	83.10	6.3	33.55	7.9	25.3	2.06
F09	11 Aug 2021	13	13.03	83.03	6.2	33.55	7.9	25.3	2.06
F09	11 Aug 2021	14	12.99	83.39	6.2	33.55	7.9	25.3	2.08
F09	11 Aug 2021	15	12.92	83.31	6.2	33.56	7.9	25.3	2.20
F09	11 Aug 2021	16	12.76	82.82	6.2	33.56	7.9	25.3	2.50
F09	11 Aug 2021	17	12.44	83.05	6.2	33.56	7.9	25.4	2.60
F09	11 Aug 2021	18	12.34	84.62	6.1	33.56	7.9	25.4	2.62
F09	11 Aug 2021	19	12.31	85.89	5.9	33.56	7.9	25.4	2.36
F09	11 Aug 2021	20	12.29	86.15	5.9	33.57	7.9	25.4	2.16
F09	11 Aug 2021	21	12.24	86.18	5.8	33.58	7.9	25.4	1.87
F09	11 Aug 2021	22	12.20	86.46	5.7	33.58	7.9	25.4	1.68
F09	11 Aug 2021	23	12.12	86.31	5.8	33.58	7.9	25.5	1.51
F09	11 Aug 2021	24	11.95	86.71	5.9	33.56	7.9	25.5	1.49
F09	11 Aug 2021	25	11.77	87.23	6.0	33.56	7.9	25.5	1.46
F09	11 Aug 2021	26	11.71	87.59	5.9	33.56	7.9	25.5	1.39
F09	11 Aug 2021	27	11.70	87.78	5.8	33.56	7.9	25.5	1.30
F09	11 Aug 2021	28	11.60	87.99	5.7	33.58	7.9	25.6	1.22
F09	11 Aug 2021	29	11.55	87.81	5.5	33.60	7.9	25.6	1.23
F09	11 Aug 2021	30	11.56	87.58	5.4	33.60	7.9	25.6	1.23
F09	11 Aug 2021	31	11.56	87.30	5.4	33.60	7.9	25.6	1.18
F09	11 Aug 2021	32	11.51	87.51	5.4	33.60	7.9	25.6	1.18
F09	11 Aug 2021	33	11.45	88.06	5.5	33.59	7.9	25.6	1.16
F09	11 Aug 2021	34	11.46	88.31	5.5	33.59	7.9	25.6	1.10
F09	11 Aug 2021	35	11.44	88.34	5.5	33.59	7.9	25.6	1.18
F09	11 Aug 2021	36	11.44	88.24	5.5	33.59	7.9	25.6	1.22
F09	11 Aug 2021	37	11.45	88.22	5.5	33.60	7.9	25.6	1.07
F09	11 Aug 2021	38	11.46	87.87	5.4	33.61	7.9	25.6	1.07
F09	11 Aug 2021	39	11.46	87.49	5.3	33.62	7.8	25.6	1.17
F09	11 Aug 2021	40	11.46	87.06	5.3	33.62	7.8	25.6	1.19
F09	11 Aug 2021	41	11.47	86.92	5.2	33.62	7.8	25.6	1.17
F09	11 Aug 2021	42	11.47	87.00	5.2	33.62	7.8	25.6	1.22
F09	11 Aug 2021	43	11.48	86.82	5.2	33.63	7.8	25.6	1.24
F09	11 Aug 2021	44	11.48	86.74	5.2	33.63	7.8	25.6	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F09	11 Aug 2021	45	11.47	86.35	5.2	33.63	7.8	25.6	1.17
F09	11 Aug 2021	46	11.47	86.78	5.1	33.63	7.8	25.6	1.21
F09	11 Aug 2021	47	11.44	86.64	5.1	33.64	7.8	25.6	1.16
F09	11 Aug 2021	48	11.41	86.42	5.1	33.64	7.8	25.6	1.17
F09	11 Aug 2021	49	11.39	86.67	5.0	33.64	7.8	25.6	1.12
F09	11 Aug 2021	50	11.37	86.41	5.0	33.65	7.8	25.7	1.15
F09	11 Aug 2021	51	11.35	85.97	5.0	33.65	7.8	25.7	1.12
F09	11 Aug 2021	52	11.35	85.46	5.0	33.65	7.8	25.7	1.12
F09	11 Aug 2021	53	11.35	85.32	5.0	33.65	7.8	25.7	1.22
F09	11 Aug 2021	54	11.34	84.50	5.0	33.65	7.8	25.7	1.19
F09	11 Aug 2021	55	11.34	84.20	4.9	33.65	7.8	25.7	1.29
F09	11 Aug 2021	56	11.34	84.39	4.9	33.65	7.8	25.7	1.29
F09	11 Aug 2021	57	11.33	84.19	4.9	33.65	7.8	25.7	1.22
F09	11 Aug 2021	58	11.33	84.34	5.0	33.65	7.8	25.7	1.23
F09	11 Aug 2021	59	11.33	83.93	4.9	33.65	7.8	25.7	1.21
F09	11 Aug 2021	60	11.33	83.82	4.9	33.65	7.8	25.7	1.11
F09	11 Aug 2021	61	11.34	83.68	4.9	33.65	7.8	25.7	1.20
F09	11 Aug 2021	62	11.34	83.91	4.9	33.65	7.8	25.7	1.17
F09	11 Aug 2021	63	11.34	83.77	5.0	33.64	7.8	25.7	1.16
F10	11 Aug 2021	1	18.69	78.67	9.0	33.47	8.2	23.9	1.15
F10	11 Aug 2021	2	17.78	77.69	8.8	33.74	8.2	24.4	1.11
F10	11 Aug 2021	3	15.17	75.37	8.7	33.70	8.1	24.9	1.10
F10	11 Aug 2021	4	14.54	74.99	8.1	33.65	8.1	25.0	1.21
F10	11 Aug 2021	5	14.19	77.20	7.6	33.59	8.0	25.1	1.52
F10	11 Aug 2021	6	14.07	78.59	7.4	33.57	8.0	25.1	1.91
F10	11 Aug 2021	7	13.86	79.07	7.3	33.58	8.0	25.1	2.19
F10	11 Aug 2021	8	13.63	79.91	7.1	33.57	8.0	25.2	2.41
F10	11 Aug 2021	9	13.53	80.86	7.0	33.57	8.0	25.2	2.63
F10	11 Aug 2021	10	13.43	81.39	6.9	33.57	8.0	25.2	2.79
F10	11 Aug 2021	11	13.34	81.26	6.8	33.57	8.0	25.2	2.77
F10	11 Aug 2021	12	13.25	81.67	6.7	33.59	8.0	25.2	2.73
F10	11 Aug 2021	13	13.10	82.61	6.5	33.59	7.9	25.3	2.86
F10	11 Aug 2021	14	12.99	83.09	6.4	33.59	7.9	25.3	2.68
F10	11 Aug 2021	15	12.92	83.36	6.3	33.59	7.9	25.3	2.67
F10	11 Aug 2021	16	12.86	83.64	6.2	33.59	7.9	25.3	2.53
F10	11 Aug 2021	17	12.71	84.07	6.1	33.61	7.9	25.4	2.38
F10	11 Aug 2021	18	12.60	84.87	6.0	33.60	7.9	25.4	2.25
F10	11 Aug 2021	19	12.54	85.23	5.9	33.59	7.9	25.4	2.02
F10	11 Aug 2021	20	12.53	85.16	5.9	33.58	7.9	25.4	1.85
F10	11 Aug 2021	21	12.53	85.17	5.9	33.58	7.9	25.4	1.74
F10	11 Aug 2021	22	12.45	85.41	5.9	33.58	7.9	25.4	1.80
F10	11 Aug 2021	23	12.45	85.48	5.8	33.59	7.9	25.4	1.56
F10	11 Aug 2021	24	12.46	85.50	5.7	33.61	7.9	25.4	1.50
F10	11 Aug 2021	25	12.44	85.79	5.6	33.62	7.9	25.4	1.58
F10	11 Aug 2021	26	12.40	85.86	5.6	33.62	7.9	25.4	1.51
F10	11 Aug 2021	27	12.23	85.92	5.5	33.63	7.9	25.5	1.66
F10	11 Aug 2021	28	12.19	86.11	5.5	33.61	7.9	25.5	1.55
F10	11 Aug 2021	29	12.17	86.17	5.5	33.62	7.9	25.5	1.44
F10	11 Aug 2021	30	12.13	85.93	5.4	33.62	7.9	25.5	1.33
F10	11 Aug 2021	31	12.14	85.98	5.4	33.62	7.9	25.5	1.45
F10	11 Aug 2021	32	12.00	86.26	5.4	33.64	7.9	25.5	1.40
F10	11 Aug 2021	33	11.90	86.40	5.4	33.62	7.9	25.5	1.33
F10	11 Aug 2021	34	11.92	86.93	5.5	33.61	7.9	25.5	1.31
F10	11 Aug 2021	35	11.93	86.62	5.4	33.62	7.9	25.5	1.19
F10	11 Aug 2021	36	11.93	86.62	5.3	33.62	7.9	25.5	1.16
F10	11 Aug 2021	37	11.90	87.10	5.3	33.63	7.9	25.5	1.13
F10	11 Aug 2021	38	11.82	86.86	5.3	33.63	7.9	25.6	1.13
F10	11 Aug 2021	39	11.71	87.18	5.3	33.62	7.9	25.6	1.05
F10	11 Aug 2021	40	11.69	87.50	5.4	33.61	7.9	25.6	1.05
F10	11 Aug 2021	41	11.67	87.54	5.4	33.61	7.9	25.6	1.18

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F10	11 Aug 2021	42	11.53	87.70	5.4	33.62	7.9	25.6	1.19
F10	11 Aug 2021	43	11.40	88.29	5.5	33.61	7.9	25.6	1.10
F10	11 Aug 2021	44	11.39	88.50	5.4	33.62	7.9	25.6	1.11
F10	11 Aug 2021	45	11.35	87.86	5.3	33.63	7.8	25.6	1.08
F10	11 Aug 2021	46	11.36	87.41	5.2	33.65	7.8	25.7	1.12
F10	11 Aug 2021	47	11.36	87.11	5.0	33.66	7.8	25.7	0.93
F10	11 Aug 2021	48	11.36	86.73	5.0	33.66	7.8	25.7	1.10
F10	11 Aug 2021	49	11.36	86.39	4.9	33.66	7.8	25.7	1.02
F10	11 Aug 2021	50	11.36	86.33	4.9	33.66	7.8	25.7	0.96
F10	11 Aug 2021	51	11.36	86.34	4.9	33.66	7.8	25.7	0.96
F10	11 Aug 2021	52	11.35	86.47	4.9	33.67	7.8	25.7	0.85
F10	11 Aug 2021	53	11.33	86.13	4.9	33.67	7.8	25.7	0.86
F10	11 Aug 2021	54	11.34	86.09	4.9	33.67	7.8	25.7	0.83
F10	11 Aug 2021	55	11.33	85.84	4.8	33.67	7.8	25.7	0.76
F10	11 Aug 2021	56	11.33	85.46	4.8	33.67	7.8	25.7	0.85
F10	11 Aug 2021	57	11.33	85.44	4.8	33.67	7.8	25.7	0.81
F10	11 Aug 2021	58	11.33	85.17	4.8	33.67	7.8	25.7	0.91
F10	11 Aug 2021	59	11.33	85.05	4.8	33.67	7.8	25.7	0.85
F10	11 Aug 2021	60	11.32	84.93	4.8	33.67	7.8	25.7	0.88
F10	11 Aug 2021	61	11.32	84.67	4.8	33.67	7.8	25.7	0.87
F10	11 Aug 2021	62	11.32	84.22	4.8	33.67	7.8	25.7	0.81
F10	11 Aug 2021	63	11.32	84.18	4.8	33.67	7.8	25.7	0.84
F11	11 Aug 2021	1	19.05	71.98	9.0	33.50	8.2	23.9	1.16
F11	11 Aug 2021	2	18.99	69.97	8.9	33.53	8.2	23.9	1.19
F11	11 Aug 2021	3	18.02	75.89	9.0	33.65	8.2	24.2	1.12
F11	11 Aug 2021	4	17.73	71.09	9.2	33.56	8.2	24.2	1.38
F11	11 Aug 2021	5	17.36	65.93	9.1	33.58	8.2	24.3	2.05
F11	11 Aug 2021	6	16.90	65.58	9.1	33.59	8.2	24.5	3.04
F11	11 Aug 2021	7	16.44	70.26	8.9	33.62	8.2	24.6	4.06
F11	11 Aug 2021	8	15.84	72.30	8.7	33.60	8.1	24.7	4.50
F11	11 Aug 2021	9	15.62	72.89	8.6	33.57	8.1	24.7	4.73
F11	11 Aug 2021	10	15.45	73.79	8.4	33.57	8.1	24.8	4.79
F11	11 Aug 2021	11	14.99	74.52	8.4	33.61	8.1	24.9	4.92
F11	11 Aug 2021	12	14.68	75.10	8.2	33.58	8.1	24.9	4.97
F11	11 Aug 2021	13	14.44	75.63	8.1	33.57	8.1	25.0	4.93
F11	11 Aug 2021	14	14.32	76.71	8.0	33.56	8.1	25.0	4.95
F11	11 Aug 2021	15	14.21	77.44	7.8	33.56	8.1	25.0	4.99
F11	11 Aug 2021	16	14.07	78.29	7.7	33.57	8.0	25.1	4.81
F11	11 Aug 2021	17	13.89	79.29	7.5	33.56	8.0	25.1	4.40
F11	11 Aug 2021	18	13.77	79.38	7.5	33.56	8.0	25.1	4.34
F11	11 Aug 2021	19	13.68	79.69	7.4	33.56	8.0	25.1	3.90
F11	11 Aug 2021	20	13.61	80.39	7.3	33.55	8.0	25.1	3.59
F11	11 Aug 2021	21	13.54	80.73	7.2	33.56	8.0	25.2	3.59
F11	11 Aug 2021	22	13.56	81.15	7.2	33.55	8.0	25.2	3.27
F11	11 Aug 2021	23	13.36	81.53	7.1	33.58	8.0	25.2	3.12
F11	11 Aug 2021	24	12.97	83.01	6.8	33.61	8.0	25.3	3.01
F11	11 Aug 2021	25	12.84	82.90	6.5	33.57	8.0	25.3	2.84
F11	11 Aug 2021	26	12.72	83.69	6.4	33.60	7.9	25.4	2.30
F11	11 Aug 2021	27	12.55	84.29	6.2	33.58	7.9	25.4	2.09
F11	11 Aug 2021	28	12.49	84.53	6.2	33.58	7.9	25.4	2.18
F11	11 Aug 2021	29	12.45	85.05	6.1	33.58	7.9	25.4	1.95
F11	11 Aug 2021	30	12.35	85.35	6.0	33.58	7.9	25.4	1.84
F11	11 Aug 2021	31	12.32	85.51	6.0	33.57	7.9	25.4	1.72
F11	11 Aug 2021	32	12.26	85.87	5.9	33.57	7.9	25.4	1.68
F11	11 Aug 2021	33	12.25	85.99	5.9	33.56	7.9	25.4	1.68
F11	11 Aug 2021	34	12.25	85.88	5.9	33.56	7.9	25.4	1.47
F11	11 Aug 2021	35	12.24	86.16	5.8	33.57	7.9	25.4	1.39
F11	11 Aug 2021	36	12.20	85.73	5.8	33.58	7.9	25.4	1.23
F11	11 Aug 2021	37	12.15	86.08	5.7	33.58	7.9	25.5	1.30
F11	11 Aug 2021	38	12.13	86.19	5.6	33.58	7.9	25.5	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	11 Aug 2021	39	12.14	86.34	5.6	33.58	7.9	25.5	1.22
F11	11 Aug 2021	40	12.10	86.41	5.6	33.58	7.9	25.5	1.12
F11	11 Aug 2021	41	12.08	86.67	5.6	33.59	7.9	25.5	1.07
F11	11 Aug 2021	42	12.06	86.62	5.5	33.59	7.9	25.5	1.18
F11	11 Aug 2021	43	12.00	86.36	5.5	33.60	7.9	25.5	1.08
F11	11 Aug 2021	44	12.01	86.29	5.4	33.59	7.9	25.5	1.08
F11	11 Aug 2021	45	11.90	85.68	5.3	33.62	7.9	25.5	0.94
F11	11 Aug 2021	46	11.79	85.77	5.2	33.63	7.9	25.6	1.03
F11	11 Aug 2021	47	11.70	85.51	5.2	33.63	7.8	25.6	1.01
F11	11 Aug 2021	48	11.68	85.37	5.1	33.64	7.8	25.6	0.90
F11	11 Aug 2021	49	11.59	85.43	5.0	33.65	7.8	25.6	0.87
F11	11 Aug 2021	50	11.55	84.77	5.0	33.65	7.8	25.6	0.84
F11	11 Aug 2021	51	11.53	84.91	4.9	33.65	7.8	25.6	0.91
F11	11 Aug 2021	52	11.52	85.27	4.9	33.65	7.8	25.6	0.85
F11	11 Aug 2021	53	11.52	85.48	5.0	33.65	7.8	25.6	0.87
F11	11 Aug 2021	54	11.51	85.55	5.0	33.65	7.8	25.6	0.91
F11	11 Aug 2021	55	11.51	85.38	5.0	33.65	7.8	25.6	0.81
F11	11 Aug 2021	56	11.43	85.40	4.9	33.67	7.8	25.7	0.79
F11	11 Aug 2021	57	11.38	83.51	4.8	33.67	7.8	25.7	0.80
F11	11 Aug 2021	58	11.38	83.14	4.8	33.67	7.8	25.7	0.84
F11	11 Aug 2021	59	11.38	82.88	4.8	33.67	7.8	25.7	0.88
F11	11 Aug 2021	60	11.38	81.90	4.8	33.67	7.8	25.7	0.90
F11	11 Aug 2021	61	11.38	81.49	4.8	33.67	7.8	25.7	0.87
F12	11 Aug 2021	1	18.96	80.93	8.6	33.51	8.2	23.9	0.99
F12	11 Aug 2021	2	18.82	80.67	8.6	33.54	8.2	24.0	0.99
F12	11 Aug 2021	3	18.51	80.14	8.6	33.56	8.2	24.0	0.99
F12	11 Aug 2021	4	18.17	78.43	8.6	33.55	8.2	24.1	1.14
F12	11 Aug 2021	5	17.66	74.95	8.7	33.62	8.2	24.3	1.33
F12	11 Aug 2021	6	17.24	71.50	8.8	33.57	8.2	24.4	1.70
F12	11 Aug 2021	7	17.09	70.51	8.9	33.56	8.2	24.4	2.24
F12	11 Aug 2021	8	16.76	69.57	9.1	33.58	8.2	24.5	3.03
F12	11 Aug 2021	9	16.56	69.46	9.2	33.56	8.2	24.5	3.78
F12	11 Aug 2021	10	16.15	70.36	9.2	33.60	8.2	24.6	4.62
F12	11 Aug 2021	11	15.30	72.53	9.2	33.65	8.2	24.9	4.92
F12	11 Aug 2021	12	14.94	70.57	9.0	33.59	8.1	24.9	5.02
F12	11 Aug 2021	13	14.79	70.68	8.7	33.58	8.1	24.9	5.44
F12	11 Aug 2021	14	14.65	71.75	8.5	33.57	8.1	24.9	6.03
F12	11 Aug 2021	15	14.54	73.36	8.4	33.58	8.1	25.0	6.44
F12	11 Aug 2021	16	14.38	74.89	8.2	33.57	8.1	25.0	6.28
F12	11 Aug 2021	17	14.24	75.55	8.1	33.58	8.1	25.0	6.20
F12	11 Aug 2021	18	14.05	75.88	8.0	33.58	8.1	25.1	5.80
F12	11 Aug 2021	19	14.04	75.86	7.9	33.57	8.1	25.1	5.42
F12	11 Aug 2021	20	13.88	75.56	7.8	33.59	8.1	25.1	5.36
F12	11 Aug 2021	21	13.77	76.33	7.6	33.58	8.0	25.1	5.21
F12	11 Aug 2021	22	13.69	77.02	7.5	33.58	8.0	25.2	5.02
F12	11 Aug 2021	23	13.57	77.77	7.5	33.57	8.0	25.2	4.95
F12	11 Aug 2021	24	13.46	78.39	7.4	33.56	8.0	25.2	5.00
F12	11 Aug 2021	25	13.45	79.19	7.4	33.55	8.0	25.2	4.58
F12	11 Aug 2021	26	13.40	79.13	7.3	33.55	8.0	25.2	4.33
F12	11 Aug 2021	27	13.37	79.15	7.3	33.56	8.0	25.2	4.17
F12	11 Aug 2021	28	13.33	79.33	7.2	33.57	8.0	25.2	3.95
F12	11 Aug 2021	29	13.11	80.97	6.9	33.58	8.0	25.3	3.78
F12	11 Aug 2021	30	12.99	81.60	6.7	33.58	8.0	25.3	3.75
F12	11 Aug 2021	31	12.89	82.23	6.6	33.57	8.0	25.3	3.40
F12	11 Aug 2021	32	12.81	82.71	6.5	33.58	7.9	25.3	3.01
F12	11 Aug 2021	33	12.69	83.18	6.4	33.58	7.9	25.4	2.82
F12	11 Aug 2021	34	12.66	83.68	6.3	33.57	7.9	25.4	2.53
F12	11 Aug 2021	35	12.63	83.92	6.3	33.57	7.9	25.4	2.54
F12	11 Aug 2021	36	12.53	84.19	6.2	33.59	7.9	25.4	2.27
F12	11 Aug 2021	37	12.45	84.38	6.2	33.59	7.9	25.4	2.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	11 Aug 2021	38	12.43	84.78	6.1	33.58	7.9	25.4	2.06
F12	11 Aug 2021	39	12.42	84.50	6.1	33.58	7.9	25.4	2.02
F12	11 Aug 2021	40	12.41	84.85	6.1	33.57	7.9	25.4	1.76
F12	11 Aug 2021	41	12.41	84.93	6.1	33.57	7.9	25.4	1.92
F12	11 Aug 2021	42	12.41	85.07	6.1	33.57	7.9	25.4	1.78
F12	11 Aug 2021	43	12.37	85.22	6.0	33.58	7.9	25.4	1.67
F12	11 Aug 2021	44	12.26	85.29	5.9	33.59	7.9	25.4	1.92
F12	11 Aug 2021	45	12.19	85.46	5.8	33.58	7.9	25.4	1.92
F12	11 Aug 2021	46	12.19	85.55	5.7	33.57	7.9	25.4	1.66
F12	11 Aug 2021	47	12.16	85.61	5.6	33.58	7.9	25.5	1.61
F12	11 Aug 2021	48	12.11	85.76	5.6	33.59	7.9	25.5	1.59
F12	11 Aug 2021	49	12.00	86.02	5.5	33.60	7.9	25.5	1.48
F12	11 Aug 2021	50	11.93	86.17	5.4	33.61	7.9	25.5	1.22
F12	11 Aug 2021	51	11.79	85.95	5.3	33.63	7.9	25.6	1.14
F12	11 Aug 2021	52	11.72	85.38	5.2	33.64	7.8	25.6	0.99
F12	11 Aug 2021	53	11.66	84.05	5.0	33.64	7.8	25.6	0.99
F12	11 Aug 2021	54	11.62	83.18	5.0	33.65	7.8	25.6	1.00
F12	11 Aug 2021	55	11.60	82.93	5.0	33.65	7.8	25.6	1.00
F12	11 Aug 2021	56	11.60	82.65	5.0	33.64	7.8	25.6	1.02
F12	11 Aug 2021	57	11.59	82.72	4.9	33.64	7.8	25.6	1.01
F12	11 Aug 2021	58	11.58	82.76	4.9	33.65	7.8	25.6	1.02
F12	11 Aug 2021	59	11.58	82.46	4.9	33.65	7.8	25.6	0.99
F12	11 Aug 2021	60	11.57	82.42	4.9	33.64	7.8	25.6	1.04
F12	11 Aug 2021	61	11.58	82.39	4.9	33.64	7.8	25.6	1.10
F12	11 Aug 2021	62	11.57	82.07	4.9	33.64	7.8	25.6	1.05
F13	11 Aug 2021	1	18.89	83.57	8.6	33.49	8.2	23.9	0.79
F13	11 Aug 2021	2	18.84	83.74	8.5	33.51	8.2	23.9	0.79
F13	11 Aug 2021	3	17.42	82.88	8.7	33.70	8.2	24.4	0.79
F13	11 Aug 2021	4	16.62	81.15	9.1	33.54	8.2	24.5	0.92
F13	11 Aug 2021	5	15.68	80.08	9.2	33.65	8.2	24.8	1.07
F13	11 Aug 2021	6	15.09	75.17	9.3	33.60	8.2	24.9	1.30
F13	11 Aug 2021	7	14.86	73.97	9.0	33.58	8.1	24.9	1.75
F13	11 Aug 2021	8	14.78	73.30	8.6	33.56	8.1	24.9	2.46
F13	11 Aug 2021	9	14.72	72.96	8.4	33.56	8.1	24.9	3.23
F13	11 Aug 2021	10	14.60	73.13	8.2	33.57	8.1	25.0	3.97
F13	11 Aug 2021	11	14.36	73.62	8.1	33.59	8.1	25.0	4.78
F13	11 Aug 2021	12	14.11	74.66	7.8	33.59	8.0	25.1	5.21
F13	11 Aug 2021	13	13.89	76.12	7.6	33.60	8.0	25.1	5.47
F13	11 Aug 2021	14	13.41	78.43	7.4	33.62	8.0	25.2	5.59
F13	11 Aug 2021	15	13.13	80.42	7.1	33.56	8.0	25.3	5.21
F13	11 Aug 2021	16	13.12	81.29	6.9	33.55	8.0	25.2	4.75
F13	11 Aug 2021	17	13.04	81.69	6.8	33.56	8.0	25.3	3.86
F13	11 Aug 2021	18	12.96	81.74	6.6	33.55	8.0	25.3	3.91
F13	11 Aug 2021	19	12.88	82.21	6.6	33.56	7.9	25.3	3.24
F13	11 Aug 2021	20	12.86	82.46	6.5	33.56	7.9	25.3	2.92
F13	11 Aug 2021	21	12.80	82.90	6.4	33.56	7.9	25.3	2.93
F13	11 Aug 2021	22	12.75	83.50	6.3	33.56	7.9	25.3	2.59
F13	11 Aug 2021	23	12.71	83.69	6.3	33.56	7.9	25.3	2.42
F13	11 Aug 2021	24	12.68	84.31	6.2	33.55	7.9	25.3	2.36
F13	11 Aug 2021	25	12.68	84.41	6.2	33.55	7.9	25.3	2.14
F13	11 Aug 2021	26	12.68	84.59	6.2	33.56	7.9	25.3	2.10
F13	11 Aug 2021	27	12.67	84.37	6.2	33.55	7.9	25.3	1.73
F13	11 Aug 2021	28	12.67	84.56	6.2	33.55	7.9	25.3	1.77
F13	11 Aug 2021	29	12.66	84.46	6.2	33.55	7.9	25.3	1.75
F13	11 Aug 2021	30	12.66	84.39	6.2	33.55	7.9	25.3	1.72
F13	11 Aug 2021	31	12.66	84.52	6.2	33.55	7.9	25.3	1.59
F13	11 Aug 2021	32	12.65	84.07	6.2	33.56	7.9	25.3	1.65
F13	11 Aug 2021	33	12.65	83.81	6.2	33.58	7.9	25.4	1.64
F13	11 Aug 2021	34	12.64	83.55	6.2	33.58	7.9	25.4	1.59
F13	11 Aug 2021	35	12.55	84.10	6.2	33.60	7.9	25.4	1.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F13	11 Aug 2021	36	12.49	84.73	6.1	33.60	7.9	25.4	1.83
F13	11 Aug 2021	37	12.46	84.83	6.1	33.60	7.9	25.4	2.04
F13	11 Aug 2021	38	12.45	84.79	6.1	33.59	7.9	25.4	1.89
F13	11 Aug 2021	39	12.44	84.92	6.0	33.59	7.9	25.4	1.85
F13	11 Aug 2021	40	12.43	84.90	6.0	33.59	7.9	25.4	1.86
F13	11 Aug 2021	41	12.42	84.96	6.0	33.59	7.9	25.4	1.58
F13	11 Aug 2021	42	12.40	84.55	6.0	33.59	7.9	25.4	1.66
F13	11 Aug 2021	43	12.39	84.98	6.0	33.59	7.9	25.4	1.75
F13	11 Aug 2021	44	12.38	84.94	6.0	33.59	7.9	25.4	1.72
F13	11 Aug 2021	45	12.35	85.23	5.9	33.58	7.9	25.4	1.65
F13	11 Aug 2021	46	12.34	85.13	5.9	33.58	7.9	25.4	1.69
F13	11 Aug 2021	47	12.34	84.95	5.9	33.58	7.9	25.4	1.70
F13	11 Aug 2021	48	12.31	84.99	5.9	33.58	7.9	25.4	1.84
F13	11 Aug 2021	49	12.30	84.86	5.8	33.58	7.9	25.4	1.89
F13	11 Aug 2021	50	12.29	85.15	5.9	33.58	7.9	25.4	1.74
F13	11 Aug 2021	51	12.23	85.05	5.8	33.58	7.9	25.4	1.81
F13	11 Aug 2021	52	12.22	85.46	5.7	33.58	7.9	25.4	1.56
F13	11 Aug 2021	53	12.16	85.39	5.7	33.59	7.9	25.5	1.77
F13	11 Aug 2021	54	12.02	85.58	5.6	33.60	7.9	25.5	1.61
F13	11 Aug 2021	55	12.00	85.78	5.4	33.59	7.8	25.5	1.51
F13	11 Aug 2021	56	11.99	85.50	5.3	33.59	7.8	25.5	1.34
F13	11 Aug 2021	57	11.98	85.71	5.3	33.59	7.8	25.5	1.17
F13	11 Aug 2021	58	11.86	85.74	5.3	33.62	7.8	25.5	1.58
F13	11 Aug 2021	59	11.71	85.27	5.2	33.65	7.8	25.6	1.12
F13	11 Aug 2021	60	11.53	84.78	5.1	33.66	7.8	25.6	1.19
F13	11 Aug 2021	61	11.49	83.59	5.0	33.65	7.8	25.6	1.13
F14	11 Aug 2021	1	18.41	82.49	8.6	33.48	8.2	24.0	0.85
F14	11 Aug 2021	2	18.44	75.40	8.6	33.48	8.2	24.0	0.83
F14	11 Aug 2021	3	18.37	81.41	8.6	33.50	8.2	24.0	0.85
F14	11 Aug 2021	4	18.17	83.25	8.6	33.51	8.2	24.1	0.89
F14	11 Aug 2021	5	17.94	83.07	8.6	33.51	8.2	24.1	0.84
F14	11 Aug 2021	6	17.22	83.62	8.7	33.56	8.2	24.4	0.83
F14	11 Aug 2021	7	16.60	83.27	9.1	33.52	8.2	24.5	0.92
F14	11 Aug 2021	8	16.44	82.90	9.2	33.52	8.2	24.5	0.99
F14	11 Aug 2021	9	15.77	82.18	9.3	33.57	8.2	24.7	1.09
F14	11 Aug 2021	10	15.61	82.22	9.4	33.50	8.2	24.7	1.16
F14	11 Aug 2021	11	14.90	77.00	9.0	33.62	8.2	24.9	1.31
F14	11 Aug 2021	12	14.69	74.05	8.6	33.57	8.1	24.9	1.48
F14	11 Aug 2021	13	14.60	74.62	8.5	33.57	8.1	25.0	2.05
F14	11 Aug 2021	14	14.47	74.90	8.4	33.55	8.1	25.0	2.67
F14	11 Aug 2021	15	14.46	75.13	8.4	33.55	8.1	25.0	3.50
F14	11 Aug 2021	16	14.45	75.05	8.3	33.55	8.1	25.0	4.10
F14	11 Aug 2021	17	14.39	75.28	8.1	33.56	8.1	25.0	4.43
F14	11 Aug 2021	18	14.22	76.51	8.0	33.57	8.1	25.0	4.75
F14	11 Aug 2021	19	14.03	77.41	7.8	33.58	8.1	25.1	4.97
F14	11 Aug 2021	20	13.57	78.29	7.4	33.61	8.0	25.2	5.11
F14	11 Aug 2021	21	13.38	79.86	7.0	33.59	8.0	25.2	4.77
F14	11 Aug 2021	22	13.18	81.25	6.6	33.61	8.0	25.3	4.47
F14	11 Aug 2021	23	13.06	82.45	6.4	33.59	7.9	25.3	4.17
F14	11 Aug 2021	24	12.95	83.30	6.2	33.61	7.9	25.3	3.96
F14	11 Aug 2021	25	12.82	84.26	6.2	33.61	7.9	25.4	3.54
F14	11 Aug 2021	26	12.60	84.72	6.2	33.60	7.9	25.4	2.89
F14	11 Aug 2021	27	12.57	84.73	6.1	33.59	7.9	25.4	2.52
F14	11 Aug 2021	28	12.57	84.69	6.2	33.58	7.9	25.4	2.23
F14	11 Aug 2021	29	12.58	84.57	6.1	33.58	7.9	25.4	1.92
F14	11 Aug 2021	30	12.58	84.29	6.0	33.58	7.9	25.4	1.76
F14	11 Aug 2021	31	12.58	84.37	6.1	33.58	7.9	25.4	1.74
F14	11 Aug 2021	32	12.59	84.15	6.1	33.60	7.9	25.4	1.76
F14	11 Aug 2021	33	12.57	84.11	6.0	33.60	7.9	25.4	1.81
F14	11 Aug 2021	34	12.56	84.03	6.0	33.60	7.9	25.4	1.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F14	11 Aug 2021	35	12.56	84.28	6.1	33.61	7.9	25.4	2.15
F14	11 Aug 2021	36	12.51	84.49	6.1	33.61	7.9	25.4	2.26
F14	11 Aug 2021	37	12.51	84.32	6.0	33.60	7.9	25.4	2.17
F14	11 Aug 2021	38	12.51	84.38	6.0	33.60	7.9	25.4	2.08
F14	11 Aug 2021	39	12.52	84.15	6.0	33.60	7.9	25.4	2.06
F14	11 Aug 2021	40	12.52	83.92	6.0	33.60	7.9	25.4	1.85
F14	11 Aug 2021	41	12.49	84.19	6.0	33.60	7.9	25.4	1.98
F14	11 Aug 2021	42	12.48	84.34	6.0	33.60	7.9	25.4	2.12
F14	11 Aug 2021	43	12.38	84.50	5.9	33.62	7.9	25.4	2.05
F14	11 Aug 2021	44	12.17	85.49	5.8	33.63	7.9	25.5	2.13
F14	11 Aug 2021	45	12.13	85.57	5.6	33.60	7.9	25.5	1.97
F14	11 Aug 2021	46	12.05	86.29	5.5	33.60	7.9	25.5	1.93
F14	11 Aug 2021	47	12.02	86.11	5.5	33.60	7.9	25.5	1.71
F14	11 Aug 2021	48	12.01	85.92	5.4	33.59	7.9	25.5	1.40
F14	11 Aug 2021	49	11.83	85.85	5.4	33.64	7.9	25.6	1.41
F14	11 Aug 2021	50	11.55	85.92	5.2	33.66	7.8	25.6	1.21
F14	11 Aug 2021	51	11.51	84.71	5.1	33.66	7.8	25.6	1.14
F14	11 Aug 2021	52	11.46	84.37	5.0	33.66	7.8	25.6	1.06
F14	11 Aug 2021	53	11.44	84.48	5.0	33.66	7.8	25.7	1.01
F14	11 Aug 2021	54	11.43	84.99	5.0	33.66	7.8	25.7	1.06
F14	11 Aug 2021	55	11.43	85.00	5.0	33.66	7.8	25.7	0.95
F14	11 Aug 2021	56	11.43	84.97	5.0	33.65	7.8	25.6	0.92
F14	11 Aug 2021	57	11.42	84.71	5.0	33.66	7.8	25.7	0.93
F14	11 Aug 2021	58	11.42	84.69	5.0	33.66	7.8	25.7	0.94
F14	11 Aug 2021	59	11.40	83.91	5.0	33.66	7.8	25.7	0.92
F14	11 Aug 2021	60	11.37	83.89	5.0	33.67	7.8	25.7	1.05
F14	11 Aug 2021	61	11.38	83.53	5.0	33.67	7.8	25.7	1.33
F15	11 Aug 2021	1	21.36	82.75	8.3	33.52	8.2	23.3	0.48
F15	12 Aug 2021	2	21.22	83.05	8.2	33.56	8.2	23.3	0.47
F15	12 Aug 2021	3	20.72	82.91	8.2	33.58	8.2	23.5	0.48
F15	12 Aug 2021	4	19.62	82.73	8.5	33.69	8.2	23.9	0.46
F15	12 Aug 2021	5	18.82	82.98	8.7	33.64	8.2	24.0	0.48
F15	12 Aug 2021	6	18.21	83.43	8.9	33.56	8.2	24.1	0.50
F15	12 Aug 2021	7	17.82	83.20	8.9	33.58	8.2	24.2	0.50
F15	12 Aug 2021	8	17.49	82.98	9.0	33.54	8.2	24.3	0.54
F15	12 Aug 2021	9	17.08	82.64	9.0	33.57	8.2	24.4	0.57
F15	12 Aug 2021	10	15.98	82.82	8.8	33.65	8.1	24.7	0.62
F15	12 Aug 2021	11	15.00	83.67	8.8	33.55	8.1	24.9	0.65
F15	12 Aug 2021	12	14.80	84.21	8.8	33.52	8.1	24.9	0.74
F15	12 Aug 2021	13	14.58	84.37	8.7	33.48	8.1	24.9	0.79
F15	12 Aug 2021	14	14.57	84.55	8.7	33.47	8.1	24.9	0.84
F15	12 Aug 2021	15	14.52	84.83	8.7	33.47	8.1	24.9	0.91
F15	12 Aug 2021	16	14.51	84.79	8.7	33.46	8.1	24.9	0.95
F15	12 Aug 2021	17	14.49	84.88	8.7	33.46	8.1	24.9	1.01
F15	12 Aug 2021	18	14.48	84.98	8.7	33.46	8.1	24.9	1.06
F15	12 Aug 2021	19	14.47	84.97	8.6	33.45	8.1	24.9	1.09
F15	12 Aug 2021	20	14.43	85.11	8.6	33.46	8.1	24.9	1.12
F15	12 Aug 2021	21	14.41	85.34	8.6	33.46	8.1	24.9	1.17
F15	12 Aug 2021	22	14.03	85.26	8.5	33.49	8.1	25.0	1.22
F15	12 Aug 2021	23	13.93	85.18	8.5	33.46	8.1	25.0	1.23
F15	12 Aug 2021	24	13.90	85.00	8.5	33.45	8.1	25.0	1.27
F15	12 Aug 2021	25	13.70	84.72	8.4	33.48	8.1	25.1	1.40
F15	12 Aug 2021	26	13.47	84.16	8.3	33.47	8.1	25.1	1.50
F15	12 Aug 2021	27	13.38	80.92	8.3	33.46	8.1	25.1	1.77
F15	12 Aug 2021	28	13.07	81.21	8.0	33.50	8.0	25.2	2.61
F15	12 Aug 2021	29	12.78	83.61	7.6	33.50	8.0	25.3	3.42
F15	12 Aug 2021	30	12.68	85.51	7.3	33.49	8.0	25.3	3.90
F15	12 Aug 2021	31	12.62	86.15	7.1	33.49	8.0	25.3	3.90
F15	12 Aug 2021	32	12.60	86.83	7.0	33.50	8.0	25.3	3.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F15	12 Aug 2021	33	12.40	87.39	6.8	33.55	8.0	25.4	3.07
F15	12 Aug 2021	34	12.29	87.72	6.5	33.56	7.9	25.4	2.76
F15	12 Aug 2021	35	12.26	87.87	6.2	33.56	7.9	25.4	2.28
F15	12 Aug 2021	36	12.21	88.22	6.1	33.58	7.9	25.4	1.88
F15	12 Aug 2021	37	12.11	88.37	6.0	33.59	7.9	25.5	1.87
F15	12 Aug 2021	38	12.09	88.29	5.9	33.58	7.9	25.5	2.03
F15	12 Aug 2021	39	12.06	88.39	5.9	33.58	7.9	25.5	1.51
F15	12 Aug 2021	40	12.03	88.43	5.9	33.59	7.9	25.5	1.45
F15	12 Aug 2021	41	11.97	88.32	5.9	33.59	7.9	25.5	1.35
F15	12 Aug 2021	42	11.91	88.54	5.8	33.59	7.9	25.5	1.20
F15	12 Aug 2021	43	11.82	88.64	5.8	33.60	7.9	25.5	1.23
F15	12 Aug 2021	44	11.68	88.72	5.7	33.61	7.9	25.6	1.19
F15	12 Aug 2021	45	11.58	88.81	5.7	33.60	7.9	25.6	1.15
F15	12 Aug 2021	46	11.53	88.97	5.7	33.60	7.8	25.6	1.09
F15	12 Aug 2021	47	11.52	88.94	5.6	33.61	7.8	25.6	1.01
F15	12 Aug 2021	48	11.46	88.99	5.5	33.62	7.8	25.6	0.94
F15	12 Aug 2021	49	11.46	88.97	5.5	33.62	7.8	25.6	0.94
F15	12 Aug 2021	50	11.52	88.91	5.4	33.63	7.8	25.6	0.84
F15	12 Aug 2021	51	11.52	88.77	5.2	33.64	7.8	25.6	1.22
F15	12 Aug 2021	52	11.47	88.82	5.2	33.66	7.8	25.6	0.83
F15	12 Aug 2021	53	11.41	88.93	5.2	33.65	7.8	25.6	0.80
F15	12 Aug 2021	54	11.40	88.85	5.2	33.65	7.8	25.7	0.77
F15	12 Aug 2021	55	11.40	88.76	5.1	33.66	7.8	25.7	0.78
F15	12 Aug 2021	56	11.35	88.80	5.0	33.68	7.8	25.7	0.79
F15	12 Aug 2021	57	11.33	88.85	5.0	33.67	7.8	25.7	0.75
F15	12 Aug 2021	58	11.31	88.71	5.0	33.68	7.8	25.7	0.70
F15	12 Aug 2021	59	11.29	88.84	5.0	33.68	7.8	25.7	0.68
F15	12 Aug 2021	60	11.29	88.86	5.0	33.68	7.8	25.7	0.67
F15	12 Aug 2021	61	11.28	88.79	4.9	33.68	7.8	25.7	0.64
F15	12 Aug 2021	62	11.27	88.77	4.9	33.69	7.8	25.7	0.62
F15	12 Aug 2021	63	11.26	88.72	4.9	33.69	7.8	25.7	0.66
F15	12 Aug 2021	64	11.24	88.65	4.8	33.70	7.8	25.7	0.65
F15	12 Aug 2021	65	11.20	88.73	4.8	33.71	7.8	25.7	0.65
F15	12 Aug 2021	66	11.16	88.72	4.8	33.72	7.8	25.8	0.63
F15	12 Aug 2021	67	11.14	88.51	4.7	33.73	7.8	25.8	0.58
F15	12 Aug 2021	68	11.14	88.18	4.6	33.72	7.8	25.8	0.58
F15	12 Aug 2021	69	11.14	88.16	4.7	33.72	7.8	25.8	0.55
F15	12 Aug 2021	70	11.13	87.99	4.6	33.72	7.8	25.8	0.54
F15	12 Aug 2021	71	11.12	88.00	4.6	33.73	7.8	25.8	0.59
F15	12 Aug 2021	72	11.12	88.10	4.6	33.73	7.8	25.8	0.57
F15	12 Aug 2021	73	11.12	88.32	4.6	33.73	7.8	25.8	0.61
F15	12 Aug 2021	74	11.12	88.23	4.6	33.73	7.8	25.8	0.60
F15	12 Aug 2021	75	11.11	87.92	4.6	33.73	7.8	25.8	0.56
F15	12 Aug 2021	76	11.12	87.77	4.6	33.73	7.8	25.8	0.55
F15	12 Aug 2021	77	11.11	87.31	4.6	33.73	7.8	25.8	0.57
F15	12 Aug 2021	78	11.10	86.74	4.5	33.73	7.8	25.8	0.60
F15	12 Aug 2021	79	11.08	86.29	4.5	33.74	7.8	25.8	0.63
F15	12 Aug 2021	80	11.06	85.40	4.4	33.75	7.7	25.8	0.64
F15	12 Aug 2021	81	11.05	83.98	4.4	33.75	7.7	25.8	0.75
F15	12 Aug 2021	82	11.04	83.52	4.3	33.75	7.7	25.8	0.70
F16	12 Aug 2021	1	21.28	83.55	8.3	33.54	8.2	23.3	0.45
F16	12 Aug 2021	2	20.77	82.25	8.3	33.59	8.2	23.5	0.45
F16	12 Aug 2021	3	20.00	81.22	8.4	33.69	8.2	23.8	0.47
F16	12 Aug 2021	4	18.94	83.08	8.8	33.62	8.2	24.0	0.48
F16	12 Aug 2021	5	18.53	82.98	8.9	33.59	8.2	24.1	0.46
F16	12 Aug 2021	6	18.13	82.97	9.1	33.58	8.2	24.1	0.47
F16	12 Aug 2021	7	17.85	82.62	9.2	33.56	8.2	24.2	0.52
F16	12 Aug 2021	8	17.55	82.34	9.1	33.55	8.2	24.3	0.58
F16	12 Aug 2021	9	16.18	82.67	8.9	33.76	8.2	24.8	0.62
F16	12 Aug 2021	10	14.86	83.22	8.9	33.61	8.1	24.9	0.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F16	12 Aug 2021	11	14.57	83.64	8.8	33.55	8.1	24.9	0.73
F16	12 Aug 2021	12	14.35	83.72	8.7	33.52	8.1	25.0	0.79
F16	12 Aug 2021	13	14.27	84.15	8.7	33.49	8.1	25.0	0.84
F16	12 Aug 2021	14	14.23	84.25	8.6	33.48	8.1	25.0	0.92
F16	12 Aug 2021	15	14.22	84.17	8.6	33.49	8.1	25.0	0.99
F16	12 Aug 2021	16	14.20	84.23	8.6	33.48	8.1	25.0	1.06
F16	12 Aug 2021	17	14.20	84.21	8.6	33.47	8.1	25.0	1.12
F16	12 Aug 2021	18	14.17	84.38	8.6	33.47	8.1	25.0	1.25
F16	12 Aug 2021	19	14.16	84.41	8.6	33.47	8.1	25.0	1.32
F16	12 Aug 2021	20	14.15	84.39	8.6	33.47	8.1	25.0	1.32
F16	12 Aug 2021	21	14.15	84.39	8.6	33.47	8.1	25.0	1.47
F16	12 Aug 2021	22	14.13	83.49	8.5	33.46	8.1	25.0	1.44
F16	12 Aug 2021	23	14.13	84.45	8.5	33.47	8.1	25.0	1.46
F16	12 Aug 2021	24	14.11	84.30	8.5	33.47	8.1	25.0	1.44
F16	12 Aug 2021	25	13.97	84.56	8.5	33.49	8.1	25.0	1.62
F16	12 Aug 2021	26	13.63	84.12	8.4	33.52	8.1	25.1	1.74
F16	12 Aug 2021	27	13.25	82.55	8.3	33.51	8.1	25.2	1.65
F16	12 Aug 2021	28	13.02	81.96	8.0	33.51	8.0	25.2	1.90
F16	12 Aug 2021	29	12.91	83.33	7.6	33.50	8.0	25.3	2.72
F16	12 Aug 2021	30	12.84	84.32	7.5	33.50	8.0	25.3	3.35
F16	12 Aug 2021	31	12.75	84.86	7.3	33.51	8.0	25.3	3.82
F16	12 Aug 2021	32	12.69	85.47	7.2	33.51	8.0	25.3	3.67
F16	12 Aug 2021	33	12.59	86.49	7.0	33.53	8.0	25.3	3.40
F16	12 Aug 2021	34	12.51	87.33	6.8	33.54	8.0	25.4	2.95
F16	12 Aug 2021	35	12.37	87.46	6.5	33.57	7.9	25.4	2.73
F16	12 Aug 2021	36	12.23	87.66	6.3	33.60	7.9	25.5	2.30
F16	12 Aug 2021	37	12.05	87.93	6.0	33.63	7.9	25.5	1.89
F16	12 Aug 2021	38	11.87	88.13	5.7	33.65	7.9	25.6	1.70
F16	12 Aug 2021	39	11.84	88.21	5.5	33.65	7.8	25.6	1.54
F16	12 Aug 2021	40	11.79	88.29	5.4	33.65	7.8	25.6	1.52
F16	12 Aug 2021	41	11.79	88.38	5.3	33.65	7.8	25.6	1.37
F16	12 Aug 2021	42	11.77	88.36	5.3	33.66	7.8	25.6	1.23
F16	12 Aug 2021	43	11.77	88.37	5.3	33.65	7.8	25.6	1.07
F16	12 Aug 2021	44	11.76	88.34	5.3	33.65	7.8	25.6	1.05
F16	12 Aug 2021	45	11.73	88.29	5.2	33.66	7.8	25.6	1.02
F16	12 Aug 2021	46	11.69	88.44	5.2	33.66	7.8	25.6	0.97
F16	12 Aug 2021	47	11.61	88.54	5.2	33.67	7.8	25.6	0.94
F16	12 Aug 2021	48	11.53	88.76	5.2	33.65	7.8	25.6	0.91
F16	12 Aug 2021	49	11.52	88.73	5.2	33.65	7.8	25.6	0.88
F16	12 Aug 2021	50	11.51	88.71	5.2	33.65	7.8	25.6	0.84
F16	12 Aug 2021	51	11.47	88.70	5.2	33.66	7.8	25.6	0.82
F16	12 Aug 2021	52	11.42	88.68	5.1	33.67	7.8	25.7	0.80
F16	12 Aug 2021	53	11.41	88.43	5.1	33.67	7.8	25.7	0.81
F16	12 Aug 2021	54	11.39	88.76	5.0	33.68	7.8	25.7	0.79
F16	12 Aug 2021	55	11.32	88.79	5.0	33.69	7.8	25.7	0.76
F16	12 Aug 2021	56	11.28	88.87	5.0	33.68	7.8	25.7	0.77
F16	12 Aug 2021	57	11.26	88.98	5.0	33.68	7.8	25.7	0.68
F16	12 Aug 2021	58	11.23	89.06	5.0	33.68	7.8	25.7	0.85
F16	12 Aug 2021	59	11.24	89.04	5.0	33.68	7.8	25.7	0.59
F16	12 Aug 2021	60	11.23	88.95	5.0	33.68	7.8	25.7	0.58
F16	12 Aug 2021	61	11.19	88.99	4.9	33.70	7.8	25.7	0.67
F16	12 Aug 2021	62	11.14	89.01	4.9	33.70	7.8	25.7	0.54
F16	12 Aug 2021	63	11.10	89.02	4.8	33.71	7.8	25.8	0.53
F16	12 Aug 2021	64	11.07	89.01	4.8	33.72	7.8	25.8	0.51
F16	12 Aug 2021	65	11.05	89.03	4.8	33.72	7.8	25.8	0.49
F16	12 Aug 2021	66	11.05	89.02	4.7	33.73	7.8	25.8	0.46
F16	12 Aug 2021	67	11.06	88.80	4.7	33.73	7.8	25.8	0.45
F16	12 Aug 2021	68	11.07	88.68	4.6	33.73	7.8	25.8	0.44
F16	12 Aug 2021	69	11.07	88.47	4.6	33.73	7.8	25.8	0.45
F16	12 Aug 2021	70	11.07	88.44	4.6	33.73	7.8	25.8	0.47
F16	12 Aug 2021	71	11.07	88.40	4.6	33.74	7.8	25.8	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F16	12 Aug 2021	72	11.08	88.37	4.6	33.73	7.8	25.8	0.52
F16	12 Aug 2021	73	11.08	88.30	4.6	33.73	7.8	25.8	0.50
F16	12 Aug 2021	74	11.09	88.15	4.5	33.74	7.8	25.8	0.50
F16	12 Aug 2021	75	11.10	88.08	4.5	33.74	7.8	25.8	0.53
F16	12 Aug 2021	76	11.10	87.99	4.5	33.74	7.8	25.8	0.52
F16	12 Aug 2021	77	11.10	87.82	4.5	33.74	7.8	25.8	0.55
F16	12 Aug 2021	78	11.10	87.76	4.5	33.74	7.8	25.8	0.55
F16	12 Aug 2021	79	11.09	87.65	4.5	33.75	7.7	25.8	0.55
F16	12 Aug 2021	80	11.09	87.37	4.5	33.75	7.7	25.8	0.59
F16	12 Aug 2021	81	11.09	87.19	4.4	33.75	7.7	25.8	0.61
F16	12 Aug 2021	82	11.07	86.76	4.4	33.77	7.7	25.8	0.60
F17	12 Aug 2021	1	21.16	82.87	8.4	33.54	8.2	23.3	0.52
F17	12 Aug 2021	2	20.65	82.53	8.5	33.60	8.2	23.5	0.49
F17	12 Aug 2021	3	20.33	83.30	8.6	33.55	8.2	23.6	0.50
F17	12 Aug 2021	4	19.57	83.30	8.6	33.67	8.2	23.9	0.51
F17	12 Aug 2021	5	18.85	83.20	8.9	33.57	8.2	24.0	0.50
F17	12 Aug 2021	6	18.61	83.13	9.1	33.55	8.2	24.0	0.50
F17	12 Aug 2021	7	18.35	82.87	9.1	33.55	8.2	24.1	0.54
F17	12 Aug 2021	8	18.05	82.58	9.1	33.55	8.2	24.1	0.58
F17	12 Aug 2021	9	17.57	82.33	8.9	33.64	8.2	24.3	0.64
F17	12 Aug 2021	10	15.10	82.85	8.9	33.75	8.1	25.0	0.72
F17	12 Aug 2021	11	14.40	83.61	8.8	33.58	8.1	25.0	0.75
F17	12 Aug 2021	12	14.15	83.68	8.6	33.52	8.1	25.0	0.73
F17	12 Aug 2021	13	14.12	83.71	8.6	33.50	8.1	25.0	0.81
F17	12 Aug 2021	14	13.97	83.50	8.5	33.49	8.1	25.0	0.91
F17	12 Aug 2021	15	13.89	83.11	8.5	33.49	8.1	25.0	1.03
F17	12 Aug 2021	16	13.83	82.78	8.5	33.48	8.1	25.1	1.24
F17	12 Aug 2021	17	13.78	82.67	8.4	33.48	8.1	25.1	1.47
F17	12 Aug 2021	18	13.74	82.80	8.4	33.48	8.1	25.1	1.76
F17	12 Aug 2021	19	13.58	82.30	8.4	33.50	8.1	25.1	1.97
F17	12 Aug 2021	20	13.26	79.87	8.3	33.49	8.1	25.2	2.23
F17	12 Aug 2021	21	13.19	80.17	8.1	33.49	8.1	25.2	2.65
F17	12 Aug 2021	22	13.14	80.71	8.0	33.49	8.0	25.2	3.51
F17	12 Aug 2021	23	13.04	81.76	7.9	33.49	8.0	25.2	4.18
F17	12 Aug 2021	24	13.00	82.21	7.7	33.49	8.0	25.2	4.57
F17	12 Aug 2021	25	12.82	83.35	7.5	33.53	8.0	25.3	4.92
F17	12 Aug 2021	26	12.58	85.61	7.2	33.55	8.0	25.4	4.66
F17	12 Aug 2021	27	12.38	87.53	6.7	33.58	7.9	25.4	3.98
F17	12 Aug 2021	28	12.06	88.09	6.2	33.65	7.9	25.5	3.40
F17	12 Aug 2021	29	11.93	88.16	5.7	33.64	7.9	25.5	2.64
F17	12 Aug 2021	30	11.89	88.19	5.5	33.64	7.9	25.6	2.02
F17	12 Aug 2021	31	11.82	88.27	5.4	33.65	7.8	25.6	1.63
F17	12 Aug 2021	32	11.80	88.35	5.4	33.66	7.8	25.6	1.43
F17	12 Aug 2021	33	11.79	88.32	5.4	33.65	7.8	25.6	1.28
F17	12 Aug 2021	34	11.79	88.38	5.3	33.65	7.8	25.6	1.24
F17	12 Aug 2021	35	11.78	88.29	5.3	33.66	7.8	25.6	1.18
F17	12 Aug 2021	36	11.77	88.26	5.3	33.66	7.8	25.6	1.25
F17	12 Aug 2021	37	11.76	88.38	5.3	33.66	7.8	25.6	1.36
F17	12 Aug 2021	38	11.73	88.33	5.2	33.66	7.8	25.6	1.04
F17	12 Aug 2021	39	11.73	88.31	5.2	33.66	7.8	25.6	1.05
F17	12 Aug 2021	40	11.71	88.37	5.2	33.66	7.8	25.6	1.08
F17	12 Aug 2021	41	11.71	88.33	5.2	33.66	7.8	25.6	1.02
F17	12 Aug 2021	42	11.71	88.27	5.1	33.66	7.8	25.6	0.95
F17	12 Aug 2021	43	11.71	88.28	5.1	33.67	7.8	25.6	0.94
F17	12 Aug 2021	44	11.71	88.27	5.1	33.67	7.8	25.6	1.03
F17	12 Aug 2021	45	11.69	88.19	5.0	33.67	7.8	25.6	0.90
F17	12 Aug 2021	46	11.68	88.07	5.0	33.68	7.8	25.6	0.88
F17	12 Aug 2021	47	11.61	88.25	5.0	33.69	7.8	25.6	0.89
F17	12 Aug 2021	48	11.55	88.31	5.0	33.68	7.8	25.6	0.85
F17	12 Aug 2021	49	11.51	88.42	5.0	33.67	7.8	25.6	0.80

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F17	12 Aug 2021	50	11.50	88.43	5.0	33.67	7.8	25.6	0.78
F17	12 Aug 2021	51	11.50	88.46	5.0	33.67	7.8	25.6	0.78
F17	12 Aug 2021	52	11.48	88.52	5.0	33.67	7.8	25.7	0.76
F17	12 Aug 2021	53	11.45	88.58	5.0	33.67	7.8	25.7	0.77
F17	12 Aug 2021	54	11.38	88.52	5.0	33.69	7.8	25.7	0.74
F17	12 Aug 2021	55	11.36	88.71	4.9	33.69	7.8	25.7	0.73
F17	12 Aug 2021	56	11.32	88.81	4.9	33.69	7.8	25.7	0.73
F17	12 Aug 2021	57	11.27	88.89	4.9	33.69	7.8	25.7	0.70
F17	12 Aug 2021	58	11.24	88.97	4.9	33.70	7.8	25.7	0.66
F17	12 Aug 2021	59	11.22	88.96	4.9	33.70	7.8	25.7	0.67
F17	12 Aug 2021	60	11.22	88.91	4.8	33.70	7.8	25.7	0.60
F17	12 Aug 2021	61	11.20	88.74	4.8	33.71	7.8	25.7	0.60
F17	12 Aug 2021	62	11.19	88.79	4.8	33.72	7.8	25.7	0.58
F17	12 Aug 2021	63	11.19	88.69	4.7	33.72	7.8	25.7	0.59
F17	12 Aug 2021	64	11.18	88.72	4.7	33.72	7.8	25.7	0.54
F17	12 Aug 2021	65	11.18	88.75	4.7	33.72	7.8	25.7	0.57
F17	12 Aug 2021	66	11.17	88.68	4.7	33.72	7.8	25.7	0.53
F17	12 Aug 2021	67	11.16	88.68	4.7	33.73	7.8	25.8	0.56
F17	12 Aug 2021	68	11.14	88.53	4.6	33.73	7.8	25.8	0.58
F17	12 Aug 2021	69	11.13	88.48	4.6	33.74	7.8	25.8	0.56
F17	12 Aug 2021	70	11.11	88.32	4.6	33.74	7.8	25.8	0.55
F17	12 Aug 2021	71	11.10	88.29	4.5	33.75	7.8	25.8	0.56
F17	12 Aug 2021	72	11.08	88.29	4.5	33.75	7.8	25.8	0.56
F17	12 Aug 2021	73	11.07	88.39	4.5	33.75	7.8	25.8	0.59
F17	12 Aug 2021	74	11.05	88.58	4.5	33.75	7.8	25.8	0.56
F17	12 Aug 2021	75	11.03	88.45	4.5	33.76	7.8	25.8	0.54
F17	12 Aug 2021	76	11.03	88.16	4.5	33.76	7.7	25.8	0.54
F17	12 Aug 2021	77	11.04	88.08	4.4	33.76	7.7	25.8	0.52
F17	12 Aug 2021	78	11.04	88.00	4.4	33.76	7.7	25.8	0.52
F17	12 Aug 2021	79	11.04	87.85	4.4	33.76	7.7	25.8	0.51
F17	12 Aug 2021	80	11.04	87.79	4.4	33.76	7.7	25.8	0.53
F17	12 Aug 2021	81	11.04	87.64	4.4	33.76	7.7	25.8	0.54
F17	12 Aug 2021	82	11.04	87.55	4.4	33.76	7.7	25.8	0.56
F18	12 Aug 2021	1	20.87	83.71	8.5	33.53	8.2	23.4	0.49
F18	12 Aug 2021	2	20.72	83.40	8.5	33.56	8.2	23.5	0.48
F18	12 Aug 2021	3	19.17	83.44	8.8	33.68	8.2	24.0	0.46
F18	12 Aug 2021	4	18.98	82.97	9.1	33.54	8.2	23.9	0.49
F18	12 Aug 2021	5	18.98	82.81	9.1	33.53	8.2	23.9	0.51
F18	12 Aug 2021	6	18.93	82.64	9.0	33.53	8.2	23.9	0.54
F18	12 Aug 2021	7	18.62	82.48	9.1	33.56	8.2	24.0	0.57
F18	12 Aug 2021	8	18.48	82.47	9.2	33.53	8.2	24.0	0.61
F18	12 Aug 2021	9	18.07	82.26	8.9	33.61	8.2	24.2	0.67
F18	12 Aug 2021	10	15.30	82.22	8.8	33.80	8.2	25.0	0.70
F18	12 Aug 2021	11	14.44	83.16	8.7	33.56	8.1	25.0	0.74
F18	12 Aug 2021	12	14.07	83.38	8.6	33.55	8.1	25.1	0.72
F18	12 Aug 2021	13	13.72	82.81	8.4	33.52	8.1	25.1	0.81
F18	12 Aug 2021	14	13.42	81.22	8.3	33.52	8.1	25.2	1.00
F18	12 Aug 2021	15	13.18	80.41	8.1	33.51	8.1	25.2	1.45
F18	12 Aug 2021	16	13.04	81.06	7.9	33.51	8.0	25.2	2.09
F18	12 Aug 2021	17	12.84	84.18	7.6	33.52	8.0	25.3	2.77
F18	12 Aug 2021	18	12.76	86.49	7.2	33.53	8.0	25.3	2.97
F18	12 Aug 2021	19	12.55	87.36	6.9	33.54	8.0	25.4	2.81
F18	12 Aug 2021	20	12.42	87.34	6.6	33.58	7.9	25.4	2.49
F18	12 Aug 2021	21	12.27	87.89	6.2	33.62	7.9	25.5	1.88
F18	12 Aug 2021	22	11.90	88.37	5.8	33.66	7.9	25.6	1.54
F18	12 Aug 2021	23	11.88	88.36	5.5	33.66	7.9	25.6	1.32
F18	12 Aug 2021	24	11.85	88.17	5.4	33.66	7.8	25.6	1.22
F18	12 Aug 2021	25	11.83	88.19	5.3	33.66	7.8	25.6	1.16
F18	12 Aug 2021	26	11.82	88.16	5.3	33.67	7.8	25.6	1.02
F18	12 Aug 2021	27	11.81	88.10	5.3	33.67	7.8	25.6	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F18	12 Aug 2021	28	11.79	88.19	5.2	33.67	7.8	25.6	0.95
F18	12 Aug 2021	29	11.78	88.20	5.2	33.67	7.8	25.6	1.02
F18	12 Aug 2021	30	11.77	88.18	5.2	33.67	7.8	25.6	0.94
F18	12 Aug 2021	31	11.76	88.22	5.2	33.67	7.8	25.6	0.90
F18	12 Aug 2021	32	11.77	88.25	5.2	33.67	7.8	25.6	0.91
F18	12 Aug 2021	33	11.76	88.24	5.2	33.66	7.8	25.6	1.05
F18	12 Aug 2021	34	11.76	88.31	5.2	33.67	7.8	25.6	0.92
F18	12 Aug 2021	35	11.75	88.27	5.2	33.67	7.8	25.6	0.94
F18	12 Aug 2021	36	11.74	88.30	5.2	33.66	7.8	25.6	0.93
F18	12 Aug 2021	37	11.73	88.14	5.1	33.67	7.8	25.6	0.92
F18	12 Aug 2021	38	11.71	88.16	5.1	33.67	7.8	25.6	1.02
F18	12 Aug 2021	39	11.68	88.19	5.0	33.68	7.8	25.6	0.89
F18	12 Aug 2021	40	11.63	88.28	5.0	33.68	7.8	25.6	0.96
F18	12 Aug 2021	41	11.61	88.34	4.9	33.69	7.8	25.6	0.91
F18	12 Aug 2021	42	11.61	88.38	4.9	33.69	7.8	25.6	0.84
F18	12 Aug 2021	43	11.59	88.19	4.9	33.69	7.8	25.6	0.82
F18	12 Aug 2021	44	11.58	88.33	4.8	33.69	7.8	25.6	0.76
F18	12 Aug 2021	45	11.55	88.38	4.9	33.69	7.8	25.7	0.73
F18	12 Aug 2021	46	11.55	88.47	4.9	33.69	7.8	25.7	0.72
F18	12 Aug 2021	47	11.47	88.50	4.9	33.68	7.8	25.7	0.74
F18	12 Aug 2021	48	11.41	88.53	4.9	33.68	7.8	25.7	0.67
F18	12 Aug 2021	49	11.38	88.51	5.0	33.67	7.8	25.7	0.67
F18	12 Aug 2021	50	11.36	88.16	5.0	33.68	7.8	25.7	0.67
F18	12 Aug 2021	51	11.37	88.54	4.9	33.69	7.8	25.7	0.66
F18	12 Aug 2021	52	11.37	88.68	4.8	33.70	7.8	25.7	0.65
F18	12 Aug 2021	53	11.34	88.68	4.8	33.70	7.8	25.7	0.61
F18	12 Aug 2021	54	11.32	88.73	4.8	33.70	7.8	25.7	0.61
F18	12 Aug 2021	55	11.31	88.78	4.8	33.70	7.8	25.7	0.58
F18	12 Aug 2021	56	11.31	88.70	4.8	33.70	7.8	25.7	0.58
F18	12 Aug 2021	57	11.30	88.64	4.8	33.70	7.8	25.7	0.59
F18	12 Aug 2021	58	11.28	88.72	4.8	33.71	7.8	25.7	0.56
F18	12 Aug 2021	59	11.28	88.79	4.7	33.71	7.8	25.7	0.57
F18	12 Aug 2021	60	11.28	88.77	4.7	33.71	7.8	25.7	0.56
F18	12 Aug 2021	61	11.28	88.83	4.7	33.71	7.8	25.7	0.51
F18	12 Aug 2021	62	11.28	88.79	4.7	33.71	7.8	25.7	0.52
F18	12 Aug 2021	63	11.28	88.72	4.7	33.71	7.8	25.7	0.52
F18	12 Aug 2021	64	11.28	88.75	4.7	33.72	7.8	25.7	0.52
F18	12 Aug 2021	65	11.27	88.75	4.7	33.72	7.8	25.7	0.53
F18	12 Aug 2021	66	11.27	88.72	4.6	33.72	7.8	25.7	0.50
F18	12 Aug 2021	67	11.26	88.73	4.6	33.72	7.8	25.7	0.59
F18	12 Aug 2021	68	11.25	88.68	4.7	33.72	7.8	25.7	0.53
F18	12 Aug 2021	69	11.25	88.70	4.6	33.72	7.8	25.7	0.50
F18	12 Aug 2021	70	11.24	88.69	4.6	33.72	7.8	25.7	0.50
F18	12 Aug 2021	71	11.24	88.71	4.6	33.72	7.8	25.7	0.62
F18	12 Aug 2021	72	11.24	88.74	4.6	33.72	7.8	25.7	0.50
F18	12 Aug 2021	73	11.24	88.68	4.6	33.72	7.8	25.7	0.48
F18	12 Aug 2021	74	11.24	88.68	4.6	33.72	7.8	25.7	0.52
F18	12 Aug 2021	75	11.23	88.59	4.6	33.72	7.8	25.7	0.49
F18	12 Aug 2021	76	11.21	88.61	4.6	33.73	7.8	25.7	0.51
F18	12 Aug 2021	77	11.20	88.38	4.6	33.73	7.8	25.8	0.54
F18	12 Aug 2021	78	11.17	87.86	4.5	33.73	7.8	25.8	0.53
F18	12 Aug 2021	79	11.15	87.58	4.5	33.74	7.7	25.8	0.55
F18	12 Aug 2021	80	11.13	86.50	4.5	33.74	7.7	25.8	0.57
F18	12 Aug 2021	81	11.13	85.92	4.5	33.74	7.7	25.8	0.52
F18	12 Aug 2021	82	11.13	85.52	4.4	33.74	7.7	25.8	0.53
F19	12 Aug 2021	1	20.74	83.45	8.6	33.51	8.2	23.4	0.50
F19	12 Aug 2021	2	19.74	83.50	8.6	33.69	8.2	23.8	0.52
F19	12 Aug 2021	3	18.63	82.95	9.0	33.59	8.2	24.0	0.50
F19	12 Aug 2021	4	18.25	82.78	9.0	33.58	8.2	24.1	0.51
F19	12 Aug 2021	5	16.52	82.35	9.1	33.76	8.2	24.7	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F19	12 Aug 2021	6	15.61	81.95	9.0	33.58	8.1	24.7	0.59
F19	12 Aug 2021	7	14.85	82.41	8.9	33.58	8.1	24.9	0.62
F19	12 Aug 2021	8	14.35	82.64	8.7	33.53	8.1	25.0	0.66
F19	12 Aug 2021	9	14.34	82.64	8.6	33.49	8.1	25.0	0.75
F19	12 Aug 2021	10	13.96	82.25	8.5	33.53	8.1	25.1	0.81
F19	12 Aug 2021	11	13.52	81.91	8.4	33.53	8.1	25.1	0.94
F19	12 Aug 2021	12	13.23	80.91	8.2	33.51	8.0	25.2	1.33
F19	12 Aug 2021	13	13.14	80.69	8.0	33.49	8.0	25.2	1.75
F19	12 Aug 2021	14	13.08	80.70	7.9	33.49	8.0	25.2	2.31
F19	12 Aug 2021	15	13.02	81.45	7.7	33.51	8.0	25.2	2.80
F19	12 Aug 2021	16	12.91	82.70	7.4	33.53	8.0	25.3	3.47
F19	12 Aug 2021	17	12.71	84.96	7.1	33.55	8.0	25.3	3.29
F19	12 Aug 2021	18	12.63	86.85	6.8	33.55	8.0	25.3	2.93
F19	12 Aug 2021	19	12.51	87.59	6.5	33.58	7.9	25.4	2.46
F19	12 Aug 2021	20	12.26	87.88	6.2	33.63	7.9	25.5	1.99
F19	12 Aug 2021	21	12.11	88.41	5.9	33.62	7.9	25.5	1.67
F19	12 Aug 2021	22	12.06	88.59	5.8	33.62	7.9	25.5	1.33
F19	12 Aug 2021	23	11.95	88.62	5.7	33.63	7.9	25.5	1.15
F19	12 Aug 2021	24	11.91	88.65	5.7	33.62	7.9	25.5	1.04
F19	12 Aug 2021	25	11.88	88.65	5.6	33.63	7.8	25.5	1.01
F19	12 Aug 2021	26	11.87	88.65	5.5	33.63	7.8	25.6	0.95
F19	12 Aug 2021	27	11.86	88.54	5.4	33.64	7.8	25.6	1.02
F19	12 Aug 2021	28	11.85	88.46	5.4	33.64	7.8	25.6	0.96
F19	12 Aug 2021	29	11.81	88.41	5.4	33.65	7.8	25.6	0.93
F19	12 Aug 2021	30	11.80	88.32	5.3	33.65	7.8	25.6	0.99
F19	12 Aug 2021	31	11.79	88.34	5.3	33.66	7.8	25.6	0.92
F19	12 Aug 2021	32	11.76	88.28	5.2	33.66	7.8	25.6	1.03
F19	12 Aug 2021	33	11.76	88.29	5.2	33.66	7.8	25.6	0.95
F19	12 Aug 2021	34	11.74	88.23	5.1	33.67	7.8	25.6	0.92
F19	12 Aug 2021	35	11.72	88.16	5.1	33.68	7.8	25.6	0.92
F19	12 Aug 2021	36	11.67	88.13	5.0	33.69	7.8	25.6	0.87
F19	12 Aug 2021	37	11.60	88.18	4.9	33.70	7.8	25.7	0.87
F19	12 Aug 2021	38	11.59	88.17	4.9	33.69	7.8	25.7	0.86
F19	12 Aug 2021	39	11.57	88.31	4.9	33.69	7.8	25.7	0.79
F19	12 Aug 2021	40	11.56	88.35	4.9	33.69	7.8	25.7	0.72
F19	12 Aug 2021	41	11.55	88.35	4.8	33.69	7.8	25.7	0.69
F19	12 Aug 2021	42	11.54	88.42	4.8	33.69	7.8	25.7	0.68
F19	12 Aug 2021	43	11.53	88.41	4.8	33.69	7.8	25.7	0.66
F19	12 Aug 2021	44	11.53	88.44	4.8	33.69	7.8	25.7	0.65
F19	12 Aug 2021	45	11.53	88.42	4.8	33.69	7.8	25.7	0.68
F19	12 Aug 2021	46	11.53	88.34	4.8	33.69	7.8	25.7	0.65
F19	12 Aug 2021	47	11.53	88.33	4.8	33.69	7.8	25.7	0.65
F19	12 Aug 2021	48	11.53	88.40	4.8	33.69	7.8	25.7	0.67
F19	12 Aug 2021	49	11.53	88.45	4.8	33.69	7.8	25.7	0.61
F19	12 Aug 2021	50	11.51	88.39	4.8	33.69	7.8	25.7	0.62
F19	12 Aug 2021	51	11.51	88.34	4.8	33.69	7.8	25.7	0.64
F19	12 Aug 2021	52	11.50	88.35	4.8	33.69	7.8	25.7	0.59
F19	12 Aug 2021	53	11.50	88.45	4.8	33.68	7.8	25.7	0.60
F19	12 Aug 2021	54	11.50	88.46	4.8	33.68	7.8	25.7	0.63
F19	12 Aug 2021	55	11.50	88.38	4.8	33.68	7.8	25.7	0.60
F19	12 Aug 2021	56	11.50	88.48	4.8	33.68	7.8	25.7	0.67
F19	12 Aug 2021	57	11.49	88.52	4.8	33.68	7.8	25.7	0.63
F19	12 Aug 2021	58	11.49	88.48	4.8	33.68	7.8	25.7	0.60
F19	12 Aug 2021	59	11.49	88.44	4.8	33.68	7.8	25.7	0.60
F19	12 Aug 2021	60	11.49	88.48	4.8	33.68	7.8	25.7	0.62
F19	12 Aug 2021	61	11.48	88.40	4.8	33.68	7.8	25.7	0.59
F19	12 Aug 2021	62	11.47	88.38	4.8	33.69	7.8	25.7	0.60
F19	12 Aug 2021	63	11.43	88.51	4.8	33.69	7.8	25.7	0.59
F19	12 Aug 2021	64	11.41	88.48	4.8	33.69	7.8	25.7	0.59
F19	12 Aug 2021	65	11.40	88.51	4.8	33.68	7.8	25.7	0.56
F19	12 Aug 2021	66	11.37	88.60	4.8	33.69	7.8	25.7	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F19	12 Aug 2021	67	11.24	88.52	4.7	33.73	7.8	25.7	0.57
F19	12 Aug 2021	68	11.14	87.93	4.5	33.73	7.7	25.8	0.57
F19	12 Aug 2021	69	11.14	87.57	4.4	33.72	7.7	25.8	0.56
F19	12 Aug 2021	70	11.14	87.56	4.4	33.72	7.7	25.8	0.48
F19	12 Aug 2021	71	11.14	87.52	4.4	33.72	7.7	25.8	0.50
F19	12 Aug 2021	72	11.14	87.61	4.4	33.72	7.7	25.8	0.45
F19	12 Aug 2021	73	11.14	87.64	4.4	33.72	7.7	25.8	0.47
F19	12 Aug 2021	74	11.13	87.62	4.4	33.72	7.7	25.8	0.46
F19	12 Aug 2021	75	11.12	87.63	4.4	33.73	7.7	25.8	0.44
F19	12 Aug 2021	76	11.10	87.59	4.3	33.73	7.7	25.8	0.43
F19	12 Aug 2021	77	11.05	87.59	4.3	33.75	7.7	25.8	0.44
F19	12 Aug 2021	78	11.01	87.49	4.1	33.76	7.7	25.8	0.44
F19	12 Aug 2021	79	11.00	87.26	4.0	33.76	7.7	25.8	0.43
F19	12 Aug 2021	80	10.99	87.22	4.1	33.77	7.7	25.8	0.43
F19	12 Aug 2021	81	11.00	87.16	4.0	33.76	7.7	25.8	0.51
F19	12 Aug 2021	82	11.00	86.97	4.0	33.77	7.7	25.8	0.44
F19	12 Aug 2021	83	10.99	86.99	4.0	33.77	7.7	25.8	0.42
F20	12 Aug 2021	1	19.31	80.66	9.0	33.49	8.2	23.8	0.55
F20	12 Aug 2021	2	18.42	81.84	9.0	33.67	8.2	24.1	0.53
F20	12 Aug 2021	3	17.25	81.42	9.1	33.66	8.1	24.4	0.54
F20	12 Aug 2021	4	15.90	81.24	9.1	33.64	8.1	24.7	0.54
F20	12 Aug 2021	5	15.35	81.49	9.1	33.56	8.1	24.8	0.62
F20	12 Aug 2021	6	15.21	82.15	8.8	33.58	8.1	24.8	0.69
F20	12 Aug 2021	7	14.09	82.44	8.6	33.57	8.1	25.1	0.71
F20	12 Aug 2021	8	13.91	82.36	8.5	33.51	8.1	25.1	0.78
F20	12 Aug 2021	9	13.85	82.00	8.4	33.50	8.1	25.1	0.90
F20	12 Aug 2021	10	13.51	81.76	8.2	33.54	8.0	25.2	1.06
F20	12 Aug 2021	11	13.19	80.18	8.0	33.52	8.0	25.2	1.32
F20	12 Aug 2021	12	13.14	79.63	7.8	33.51	8.0	25.2	1.74
F20	12 Aug 2021	13	13.05	80.05	7.7	33.51	8.0	25.2	2.57
F20	12 Aug 2021	14	12.96	81.63	7.5	33.52	8.0	25.2	3.22
F20	12 Aug 2021	15	12.86	83.28	7.3	33.52	8.0	25.3	3.72
F20	12 Aug 2021	16	12.82	84.50	7.2	33.52	8.0	25.3	3.55
F20	12 Aug 2021	17	12.74	85.74	7.0	33.54	8.0	25.3	3.54
F20	12 Aug 2021	18	12.56	86.56	6.7	33.58	7.9	25.4	3.16
F20	12 Aug 2021	19	12.46	87.24	6.4	33.59	7.9	25.4	2.93
F20	12 Aug 2021	20	12.38	87.68	6.1	33.60	7.9	25.4	2.31
F20	12 Aug 2021	21	12.21	88.15	5.9	33.62	7.9	25.5	1.89
F20	12 Aug 2021	22	12.14	88.52	5.8	33.61	7.9	25.5	1.69
F20	12 Aug 2021	23	12.10	88.57	5.8	33.61	7.9	25.5	1.53
F20	12 Aug 2021	24	12.05	88.68	5.8	33.61	7.9	25.5	1.28
F20	12 Aug 2021	25	11.97	88.76	5.7	33.62	7.9	25.5	1.17
F20	12 Aug 2021	26	11.88	88.77	5.6	33.63	7.8	25.5	1.08
F20	12 Aug 2021	27	11.85	88.74	5.5	33.63	7.8	25.6	1.09
F20	12 Aug 2021	28	11.83	88.61	5.5	33.63	7.8	25.6	1.19
F20	12 Aug 2021	29	11.82	88.47	5.4	33.64	7.8	25.6	1.01
F20	12 Aug 2021	30	11.80	88.58	5.4	33.64	7.8	25.6	0.93
F20	12 Aug 2021	31	11.78	88.40	5.3	33.65	7.8	25.6	0.94
F20	12 Aug 2021	32	11.76	88.51	5.3	33.66	7.8	25.6	0.93
F20	12 Aug 2021	33	11.75	88.45	5.2	33.66	7.8	25.6	0.99
F20	12 Aug 2021	34	11.73	88.30	5.1	33.67	7.8	25.6	0.94
F20	12 Aug 2021	35	11.71	88.30	5.1	33.67	7.8	25.6	0.95
F20	12 Aug 2021	36	11.68	88.23	5.0	33.67	7.8	25.6	0.92
F20	12 Aug 2021	37	11.65	88.13	5.0	33.67	7.8	25.6	0.86
F20	12 Aug 2021	38	11.63	87.98	5.0	33.67	7.8	25.6	0.85
F20	12 Aug 2021	39	11.60	87.98	4.9	33.67	7.8	25.6	0.84
F20	12 Aug 2021	40	11.52	87.88	4.8	33.67	7.8	25.6	0.79
F20	12 Aug 2021	41	11.39	87.58	4.7	33.67	7.8	25.7	0.82
F20	12 Aug 2021	42	11.29	87.33	4.5	33.65	7.7	25.7	0.71
F20	12 Aug 2021	43	11.29	86.33	4.3	33.64	7.7	25.7	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F20	12 Aug 2021	44	11.29	86.67	4.2	33.65	7.7	25.7	0.64
F20	12 Aug 2021	45	11.30	86.87	4.3	33.65	7.7	25.7	0.47
F20	12 Aug 2021	46	11.34	86.03	4.4	33.67	7.8	25.7	0.46
F20	12 Aug 2021	47	11.34	87.15	4.5	33.67	7.8	25.7	0.48
F20	12 Aug 2021	48	11.33	87.33	4.6	33.68	7.8	25.7	0.50
F20	12 Aug 2021	49	11.32	85.12	4.6	33.67	7.8	25.7	0.49
F20	12 Aug 2021	50	11.32	87.10	4.6	33.68	7.8	25.7	0.50
F20	12 Aug 2021	51	11.31	87.85	4.6	33.68	7.8	25.7	0.47
F20	12 Aug 2021	52	11.31	88.10	4.6	33.68	7.8	25.7	0.48
F20	12 Aug 2021	53	11.31	88.07	4.6	33.68	7.8	25.7	0.46
F20	12 Aug 2021	54	11.31	88.12	4.6	33.68	7.8	25.7	0.48
F20	12 Aug 2021	55	11.30	88.20	4.7	33.68	7.8	25.7	0.48
F20	12 Aug 2021	56	11.29	88.29	4.6	33.68	7.8	25.7	0.46
F20	12 Aug 2021	57	11.29	88.33	4.6	33.68	7.8	25.7	0.48
F20	12 Aug 2021	58	11.28	88.37	4.6	33.68	7.8	25.7	0.49
F20	12 Aug 2021	59	11.27	88.40	4.6	33.68	7.8	25.7	0.50
F20	12 Aug 2021	60	11.27	88.40	4.6	33.68	7.8	25.7	0.45
F20	12 Aug 2021	61	11.26	88.43	4.6	33.68	7.8	25.7	0.48
F20	12 Aug 2021	62	11.25	88.44	4.5	33.68	7.8	25.7	0.45
F20	12 Aug 2021	63	11.25	88.45	4.5	33.68	7.8	25.7	0.45
F20	12 Aug 2021	64	11.24	88.42	4.6	33.69	7.8	25.7	0.46
F20	12 Aug 2021	65	11.24	88.45	4.6	33.69	7.8	25.7	0.47
F20	12 Aug 2021	66	11.23	88.47	4.6	33.69	7.8	25.7	0.46
F20	12 Aug 2021	67	11.22	88.43	4.6	33.69	7.7	25.7	0.46
F20	12 Aug 2021	68	11.19	88.37	4.5	33.70	7.7	25.7	0.48
F20	12 Aug 2021	69	11.16	88.04	4.4	33.70	7.7	25.7	0.49
F20	12 Aug 2021	70	11.13	87.88	4.4	33.71	7.7	25.7	0.45
F20	12 Aug 2021	71	11.12	87.74	4.3	33.71	7.7	25.8	0.41
F20	12 Aug 2021	72	11.12	87.93	4.3	33.72	7.7	25.8	0.41
F20	12 Aug 2021	73	11.11	87.88	4.3	33.73	7.7	25.8	0.40
F20	12 Aug 2021	74	11.10	87.79	4.4	33.73	7.7	25.8	0.40
F20	12 Aug 2021	75	11.08	87.54	4.4	33.73	7.7	25.8	0.41
F20	12 Aug 2021	76	11.06	87.21	4.3	33.74	7.7	25.8	0.41
F20	12 Aug 2021	77	11.03	87.08	4.2	33.75	7.7	25.8	0.42
F20	12 Aug 2021	78	11.02	86.90	4.1	33.76	7.7	25.8	0.40
F20	12 Aug 2021	79	11.01	86.71	4.1	33.76	7.7	25.8	0.41
F20	12 Aug 2021	80	11.01	86.70	4.0	33.76	7.7	25.8	0.42
F20	12 Aug 2021	81	11.01	86.52	4.0	33.76	7.7	25.8	0.46
F20	12 Aug 2021	82	11.01	86.56	4.0	33.76	7.7	25.8	0.44
F20	12 Aug 2021	83	11.01	86.38	4.0	33.76	7.7	25.8	0.44
F21	12 Aug 2021	1	19.23	82.24	9.1	33.50	8.2	23.8	0.63
F21	12 Aug 2021	2	18.52	81.50	9.0	33.66	8.2	24.1	0.63
F21	12 Aug 2021	3	17.30	81.65	9.1	33.68	8.2	24.4	0.61
F21	12 Aug 2021	4	16.06	81.22	9.2	33.67	8.1	24.7	0.63
F21	12 Aug 2021	5	15.79	81.47	9.1	33.55	8.1	24.7	0.65
F21	12 Aug 2021	6	15.36	81.39	9.0	33.56	8.1	24.8	0.69
F21	12 Aug 2021	7	14.81	81.74	8.8	33.59	8.1	24.9	0.72
F21	12 Aug 2021	8	14.33	81.97	8.7	33.56	8.1	25.0	0.76
F21	12 Aug 2021	9	14.23	82.12	8.6	33.51	8.1	25.0	0.85
F21	12 Aug 2021	10	14.18	81.90	8.4	33.50	8.1	25.0	0.99
F21	12 Aug 2021	11	14.11	82.18	8.4	33.50	8.1	25.0	1.06
F21	12 Aug 2021	12	13.98	82.21	8.4	33.53	8.1	25.1	1.24
F21	12 Aug 2021	13	13.43	81.92	8.2	33.54	8.0	25.2	1.36
F21	12 Aug 2021	14	13.27	80.76	8.0	33.51	8.0	25.2	1.70
F21	12 Aug 2021	15	13.18	79.75	7.9	33.51	8.0	25.2	2.53
F21	12 Aug 2021	16	13.12	80.08	7.7	33.50	8.0	25.2	3.21
F21	12 Aug 2021	17	13.00	80.29	7.6	33.52	8.0	25.2	3.74
F21	12 Aug 2021	18	12.92	81.31	7.4	33.52	8.0	25.3	4.28
F21	12 Aug 2021	19	12.83	83.41	7.2	33.52	8.0	25.3	4.74
F21	12 Aug 2021	20	12.78	84.39	7.1	33.53	8.0	25.3	4.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F21	12 Aug 2021	21	12.71	85.43	7.0	33.53	8.0	25.3	4.07
F21	12 Aug 2021	22	12.65	86.51	6.8	33.55	7.9	25.3	3.70
F21	12 Aug 2021	23	12.59	86.70	6.6	33.56	7.9	25.4	3.22
F21	12 Aug 2021	24	12.51	86.37	6.4	33.58	7.9	25.4	2.70
F21	12 Aug 2021	25	12.38	86.23	6.2	33.61	7.9	25.4	2.49
F21	12 Aug 2021	26	12.18	87.34	6.0	33.61	7.9	25.5	2.61
F21	12 Aug 2021	27	12.13	88.07	5.8	33.61	7.9	25.5	2.27
F21	12 Aug 2021	28	12.10	88.29	5.7	33.61	7.9	25.5	1.91
F21	12 Aug 2021	29	12.07	88.49	5.7	33.60	7.9	25.5	1.56
F21	12 Aug 2021	30	12.04	88.79	5.7	33.61	7.9	25.5	1.34
F21	12 Aug 2021	31	11.93	88.81	5.7	33.63	7.8	25.5	1.26
F21	12 Aug 2021	32	11.85	88.79	5.6	33.62	7.8	25.5	1.11
F21	12 Aug 2021	33	11.69	88.80	5.5	33.65	7.8	25.6	0.99
F21	12 Aug 2021	34	11.63	88.88	5.4	33.64	7.8	25.6	1.06
F21	12 Aug 2021	35	11.61	88.83	5.3	33.65	7.8	25.6	0.98
F21	12 Aug 2021	36	11.60	88.72	5.2	33.65	7.8	25.6	0.89
F21	12 Aug 2021	37	11.60	88.66	5.2	33.65	7.8	25.6	0.84
F21	12 Aug 2021	38	11.58	88.72	5.2	33.66	7.8	25.6	0.84
F21	12 Aug 2021	39	11.56	88.67	5.1	33.68	7.8	25.6	0.78
F21	12 Aug 2021	40	11.55	88.57	5.0	33.69	7.8	25.7	0.75
F21	12 Aug 2021	41	11.54	88.47	4.9	33.69	7.8	25.7	0.74
F21	12 Aug 2021	42	11.53	88.43	4.8	33.70	7.8	25.7	0.73
F21	12 Aug 2021	43	11.52	88.44	4.9	33.69	7.8	25.7	0.71
F21	12 Aug 2021	44	11.52	88.41	4.8	33.69	7.8	25.7	0.71
F21	12 Aug 2021	45	11.50	88.34	4.8	33.70	7.8	25.7	0.71
F21	12 Aug 2021	46	11.49	88.39	4.8	33.70	7.8	25.7	0.69
F21	12 Aug 2021	47	11.49	88.35	4.8	33.70	7.8	25.7	0.71
F21	12 Aug 2021	48	11.49	88.36	4.8	33.70	7.8	25.7	0.73
F21	12 Aug 2021	49	11.48	88.37	4.7	33.70	7.8	25.7	0.73
F21	12 Aug 2021	50	11.47	88.38	4.7	33.71	7.8	25.7	0.66
F21	12 Aug 2021	51	11.46	88.41	4.7	33.71	7.8	25.7	0.63
F21	12 Aug 2021	52	11.45	88.35	4.7	33.71	7.8	25.7	0.63
F21	12 Aug 2021	53	11.44	88.37	4.7	33.71	7.8	25.7	0.64
F21	12 Aug 2021	54	11.44	88.41	4.7	33.71	7.8	25.7	0.63
F21	12 Aug 2021	55	11.43	88.41	4.6	33.71	7.8	25.7	0.62
F21	12 Aug 2021	56	11.42	88.34	4.6	33.72	7.8	25.7	0.60
F21	12 Aug 2021	57	11.40	88.35	4.6	33.72	7.8	25.7	0.61
F21	12 Aug 2021	58	11.40	88.38	4.6	33.72	7.8	25.7	0.58
F21	12 Aug 2021	59	11.39	88.43	4.6	33.72	7.8	25.7	0.59
F21	12 Aug 2021	60	11.37	88.48	4.6	33.72	7.8	25.7	0.57
F21	12 Aug 2021	61	11.36	88.41	4.6	33.72	7.8	25.7	0.60
F21	12 Aug 2021	62	11.36	88.51	4.6	33.71	7.8	25.7	0.63
F21	12 Aug 2021	63	11.33	88.51	4.6	33.71	7.8	25.7	0.57
F21	12 Aug 2021	64	11.31	88.40	4.6	33.71	7.8	25.7	0.58
F21	12 Aug 2021	65	11.29	88.30	4.5	33.71	7.7	25.7	0.54
F21	12 Aug 2021	66	11.28	88.31	4.5	33.70	7.7	25.7	0.53
F21	12 Aug 2021	67	11.26	88.13	4.5	33.70	7.7	25.7	0.49
F21	12 Aug 2021	68	11.21	87.89	4.4	33.70	7.7	25.7	0.47
F21	12 Aug 2021	69	11.20	88.13	4.4	33.70	7.7	25.7	0.48
F21	12 Aug 2021	70	11.20	88.17	4.4	33.70	7.7	25.7	0.42
F21	12 Aug 2021	71	11.20	88.29	4.4	33.70	7.7	25.7	0.40
F21	12 Aug 2021	72	11.19	88.35	4.4	33.71	7.7	25.7	0.38
F21	12 Aug 2021	73	11.19	88.31	4.4	33.71	7.7	25.7	0.39
F21	12 Aug 2021	74	11.18	88.31	4.4	33.71	7.7	25.7	0.37
F21	12 Aug 2021	75	11.15	88.11	4.4	33.72	7.7	25.8	0.37
F21	12 Aug 2021	76	11.12	87.95	4.3	33.73	7.7	25.8	0.39
F21	12 Aug 2021	77	11.10	87.86	4.3	33.73	7.7	25.8	0.38
F21	12 Aug 2021	78	11.08	87.73	4.3	33.74	7.7	25.8	0.39
F21	12 Aug 2021	79	11.07	87.35	4.2	33.74	7.7	25.8	0.38
F21	12 Aug 2021	80	11.07	87.07	4.2	33.74	7.7	25.8	0.43
F21	12 Aug 2021	81	11.07	86.93	4.3	33.74	7.7	25.8	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F21	12 Aug 2021	82	11.06	86.54	4.2	33.75	7.7	25.8	0.45
F21	12 Aug 2021	83	11.06	85.89	4.2	33.75	7.7	25.8	0.46
F21	12 Aug 2021	84	11.06	85.68	4.2	33.75	7.7	25.8	0.46
F22	12 Aug 2021	1	19.23	81.71	9.1	33.52	8.2	23.8	0.70
F22	12 Aug 2021	2	18.73	81.36	9.1	33.62	8.2	24.0	0.71
F22	12 Aug 2021	3	17.25	81.31	9.0	33.77	8.2	24.5	0.71
F22	12 Aug 2021	4	15.63	81.33	9.3	33.61	8.1	24.8	0.72
F22	12 Aug 2021	5	15.79	81.65	9.2	33.57	8.1	24.7	0.76
F22	12 Aug 2021	6	14.58	82.01	9.1	33.60	8.1	25.0	0.83
F22	12 Aug 2021	7	14.26	81.52	8.8	33.56	8.1	25.0	0.86
F22	12 Aug 2021	8	14.06	81.44	8.5	33.55	8.1	25.1	1.00
F22	12 Aug 2021	9	13.96	81.33	8.3	33.53	8.0	25.1	1.11
F22	12 Aug 2021	10	13.81	81.24	8.1	33.55	8.0	25.1	1.28
F22	12 Aug 2021	11	13.62	81.67	7.9	33.54	8.0	25.1	1.32
F22	12 Aug 2021	12	13.55	82.50	7.8	33.53	8.0	25.1	1.48
F22	12 Aug 2021	13	13.51	82.93	7.9	33.52	8.0	25.1	1.52
F22	12 Aug 2021	14	13.47	82.83	7.8	33.53	8.0	25.2	1.56
F22	12 Aug 2021	15	13.36	82.20	7.6	33.54	8.0	25.2	1.69
F22	12 Aug 2021	16	13.27	80.85	7.5	33.54	8.0	25.2	1.91
F22	12 Aug 2021	17	13.07	80.10	7.4	33.56	8.0	25.3	2.42
F22	12 Aug 2021	18	12.97	81.03	7.1	33.55	8.0	25.3	2.86
F22	12 Aug 2021	19	12.93	82.24	7.0	33.55	7.9	25.3	3.44
F22	12 Aug 2021	20	12.85	83.15	6.9	33.56	7.9	25.3	4.03
F22	12 Aug 2021	21	12.77	83.97	6.8	33.56	7.9	25.3	4.16
F22	12 Aug 2021	22	12.71	84.39	6.6	33.56	7.9	25.3	3.85
F22	12 Aug 2021	23	12.70	84.86	6.6	33.56	7.9	25.3	3.85
F22	12 Aug 2021	24	12.66	85.07	6.5	33.57	7.9	25.3	3.50
F22	12 Aug 2021	25	12.45	85.90	6.3	33.62	7.9	25.4	3.34
F22	12 Aug 2021	26	12.21	87.06	6.0	33.63	7.9	25.5	3.01
F22	12 Aug 2021	27	12.16	87.44	5.8	33.62	7.9	25.5	2.65
F22	12 Aug 2021	28	12.08	87.56	5.7	33.63	7.8	25.5	2.31
F22	12 Aug 2021	29	12.01	87.94	5.7	33.62	7.8	25.5	1.91
F22	12 Aug 2021	30	11.97	88.22	5.6	33.61	7.8	25.5	1.69
F22	12 Aug 2021	31	11.95	88.20	5.6	33.61	7.8	25.5	1.60
F22	12 Aug 2021	32	11.94	88.31	5.5	33.62	7.8	25.5	1.49
F22	12 Aug 2021	33	11.91	88.42	5.5	33.63	7.8	25.5	1.20
F22	12 Aug 2021	34	11.84	88.49	5.4	33.63	7.8	25.6	1.25
F22	12 Aug 2021	35	11.79	88.53	5.4	33.63	7.8	25.6	1.12
F22	12 Aug 2021	36	11.74	88.62	5.4	33.63	7.8	25.6	1.05
F22	12 Aug 2021	37	11.70	88.70	5.4	33.64	7.8	25.6	1.01
F22	12 Aug 2021	38	11.65	88.75	5.3	33.65	7.8	25.6	0.95
F22	12 Aug 2021	39	11.62	88.72	5.2	33.64	7.8	25.6	0.93
F22	12 Aug 2021	40	11.62	88.75	5.2	33.64	7.8	25.6	0.94
F22	12 Aug 2021	41	11.59	88.78	5.2	33.64	7.8	25.6	0.94
F22	12 Aug 2021	42	11.57	88.75	5.2	33.65	7.8	25.6	0.86
F22	12 Aug 2021	43	11.57	88.66	5.2	33.65	7.8	25.6	0.79
F22	12 Aug 2021	44	11.56	88.66	5.1	33.66	7.8	25.6	0.79
F22	12 Aug 2021	45	11.54	88.52	5.0	33.66	7.8	25.6	0.74
F22	12 Aug 2021	46	11.53	88.52	5.0	33.66	7.8	25.6	0.81
F22	12 Aug 2021	47	11.52	88.48	5.0	33.66	7.8	25.6	0.71
F22	12 Aug 2021	48	11.50	88.47	5.0	33.67	7.8	25.7	0.71
F22	12 Aug 2021	49	11.48	88.38	4.9	33.67	7.8	25.7	0.73
F22	12 Aug 2021	50	11.49	88.56	4.9	33.68	7.8	25.7	0.66
F22	12 Aug 2021	51	11.47	88.55	4.8	33.69	7.8	25.7	0.66
F22	12 Aug 2021	52	11.45	88.59	4.8	33.69	7.8	25.7	0.63
F22	12 Aug 2021	53	11.42	88.60	4.8	33.68	7.8	25.7	0.59
F22	12 Aug 2021	54	11.38	88.45	4.8	33.68	7.8	25.7	0.63
F22	12 Aug 2021	55	11.36	88.51	4.8	33.69	7.8	25.7	0.61
F22	12 Aug 2021	56	11.34	88.57	4.8	33.68	7.8	25.7	0.59
F22	12 Aug 2021	57	11.32	88.67	4.8	33.68	7.8	25.7	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	12 Aug 2021	58	11.32	88.66	4.8	33.68	7.8	25.7	0.54
F22	12 Aug 2021	59	11.32	88.69	4.7	33.68	7.8	25.7	0.52
F22	12 Aug 2021	60	11.31	88.71	4.7	33.68	7.8	25.7	0.50
F22	12 Aug 2021	61	11.30	88.58	4.7	33.68	7.8	25.7	0.51
F22	12 Aug 2021	62	11.29	88.71	4.7	33.68	7.8	25.7	0.48
F22	12 Aug 2021	63	11.29	88.73	4.7	33.68	7.8	25.7	0.45
F22	12 Aug 2021	64	11.28	88.71	4.7	33.69	7.8	25.7	0.47
F22	12 Aug 2021	65	11.27	88.73	4.7	33.69	7.8	25.7	0.45
F22	12 Aug 2021	66	11.26	88.69	4.6	33.69	7.7	25.7	0.42
F22	12 Aug 2021	67	11.24	88.71	4.6	33.69	7.7	25.7	0.47
F22	12 Aug 2021	68	11.23	88.75	4.6	33.70	7.7	25.7	0.43
F22	12 Aug 2021	69	11.23	88.76	4.6	33.70	7.7	25.7	0.41
F22	12 Aug 2021	70	11.22	88.70	4.5	33.71	7.7	25.7	0.43
F22	12 Aug 2021	71	11.20	88.59	4.5	33.72	7.7	25.7	0.42
F22	12 Aug 2021	72	11.17	88.22	4.5	33.73	7.7	25.8	0.41
F22	12 Aug 2021	73	11.14	87.47	4.4	33.73	7.7	25.8	0.42
F22	12 Aug 2021	74	11.13	86.88	4.4	33.73	7.7	25.8	0.46
F22	12 Aug 2021	75	11.13	86.42	4.4	33.73	7.7	25.8	0.50
F22	12 Aug 2021	76	11.13	85.98	4.3	33.73	7.7	25.8	0.50
F22	12 Aug 2021	77	11.13	85.98	4.3	33.73	7.7	25.8	0.51
F22	12 Aug 2021	78	11.13	85.76	4.3	33.73	7.7	25.8	0.53
F22	12 Aug 2021	79	11.13	85.64	4.4	33.73	7.7	25.8	0.57
F22	12 Aug 2021	80	11.13	85.64	4.3	33.73	7.7	25.8	0.56
F22	12 Aug 2021	81	11.13	85.47	4.3	33.73	7.7	25.8	0.58
F23	12 Aug 2021	1	18.63	79.10	9.3	33.49	8.1	24.0	1.02
F23	12 Aug 2021	2	18.42	74.35	9.3	33.53	8.2	24.0	1.03
F23	12 Aug 2021	3	17.36	80.37	9.3	33.67	8.2	24.4	1.04
F23	12 Aug 2021	4	16.47	81.40	9.4	33.58	8.1	24.5	1.04
F23	12 Aug 2021	5	15.83	81.86	9.3	33.59	8.1	24.7	0.99
F23	12 Aug 2021	6	15.02	82.11	9.3	33.60	8.1	24.9	0.98
F23	12 Aug 2021	7	14.68	82.11	9.3	33.53	8.1	24.9	1.07
F23	12 Aug 2021	8	14.27	81.67	9.0	33.56	8.1	25.0	1.11
F23	12 Aug 2021	9	13.93	80.97	8.7	33.55	8.1	25.1	1.20
F23	12 Aug 2021	10	13.81	80.78	8.2	33.55	8.0	25.1	1.42
F23	12 Aug 2021	11	13.72	80.70	8.0	33.54	8.0	25.1	1.72
F23	12 Aug 2021	12	13.61	80.99	7.8	33.55	8.0	25.1	1.95
F23	12 Aug 2021	13	13.33	80.80	7.5	33.57	8.0	25.2	2.02
F23	12 Aug 2021	14	13.27	80.38	7.3	33.56	8.0	25.2	2.46
F23	12 Aug 2021	15	13.10	80.07	7.2	33.56	8.0	25.3	2.73
F23	12 Aug 2021	16	13.02	80.37	7.0	33.55	7.9	25.3	3.15
F23	12 Aug 2021	17	13.02	80.71	6.9	33.55	7.9	25.3	3.64
F23	12 Aug 2021	18	12.97	80.88	6.8	33.56	7.9	25.3	4.66
F23	12 Aug 2021	19	12.95	81.20	6.8	33.55	7.9	25.3	4.59
F23	12 Aug 2021	20	12.93	81.34	6.8	33.56	7.9	25.3	4.45
F23	12 Aug 2021	21	12.87	81.54	6.7	33.56	7.9	25.3	4.40
F23	12 Aug 2021	22	12.81	82.88	6.7	33.56	7.9	25.3	4.52
F23	12 Aug 2021	23	12.67	84.13	6.6	33.59	7.9	25.4	4.36
F23	12 Aug 2021	24	12.53	84.82	6.6	33.57	7.9	25.4	4.18
F23	12 Aug 2021	25	12.51	85.36	6.6	33.58	7.9	25.4	4.04
F23	12 Aug 2021	26	12.38	86.21	6.5	33.59	7.9	25.4	3.36
F23	12 Aug 2021	27	12.35	86.37	6.3	33.58	7.9	25.4	2.98
F23	12 Aug 2021	28	12.35	86.64	6.3	33.58	7.9	25.4	2.50
F23	12 Aug 2021	29	12.29	86.72	6.2	33.58	7.9	25.4	2.42
F23	12 Aug 2021	30	12.26	87.03	6.1	33.60	7.9	25.5	2.55
F23	12 Aug 2021	31	12.27	87.01	5.9	33.61	7.8	25.5	2.08
F23	12 Aug 2021	32	12.26	87.15	5.8	33.61	7.8	25.5	1.92
F23	12 Aug 2021	33	12.19	87.29	5.8	33.62	7.8	25.5	1.79
F23	12 Aug 2021	34	12.11	87.39	5.8	33.61	7.8	25.5	1.64
F23	12 Aug 2021	35	12.06	87.47	5.8	33.61	7.8	25.5	1.48
F23	12 Aug 2021	36	12.01	86.76	5.7	33.62	7.8	25.5	1.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F23	12 Aug 2021	37	11.80	88.08	5.7	33.63	7.8	25.6	1.50
F23	12 Aug 2021	38	11.75	88.30	5.6	33.61	7.8	25.6	1.22
F23	12 Aug 2021	39	11.75	88.28	5.5	33.61	7.8	25.6	1.48
F23	12 Aug 2021	40	11.75	88.04	5.5	33.61	7.8	25.6	1.40
F23	12 Aug 2021	41	11.71	88.25	5.4	33.62	7.8	25.6	1.37
F23	12 Aug 2021	42	11.65	88.44	5.4	33.63	7.8	25.6	1.07
F23	12 Aug 2021	43	11.61	88.37	5.4	33.63	7.8	25.6	1.05
F23	12 Aug 2021	44	11.59	88.42	5.3	33.63	7.8	25.6	1.11
F23	12 Aug 2021	45	11.55	88.28	5.2	33.65	7.8	25.6	1.19
F23	12 Aug 2021	46	11.55	88.25	5.1	33.64	7.8	25.6	1.06
F23	12 Aug 2021	47	11.54	88.09	5.1	33.64	7.8	25.6	0.90
F23	12 Aug 2021	48	11.54	88.27	5.1	33.65	7.8	25.6	0.91
F23	12 Aug 2021	49	11.52	88.31	5.1	33.65	7.8	25.6	0.78
F23	12 Aug 2021	50	11.48	88.28	5.0	33.66	7.8	25.6	0.90
F23	12 Aug 2021	51	11.43	88.31	5.0	33.66	7.8	25.7	0.88
F23	12 Aug 2021	52	11.40	88.41	4.9	33.66	7.8	25.7	0.82
F23	12 Aug 2021	53	11.38	88.18	4.9	33.66	7.8	25.7	0.75
F23	12 Aug 2021	54	11.37	88.27	4.9	33.66	7.8	25.7	0.66
F23	12 Aug 2021	55	11.34	88.48	4.8	33.67	7.8	25.7	0.60
F23	12 Aug 2021	56	11.31	88.52	4.8	33.68	7.8	25.7	0.62
F23	12 Aug 2021	57	11.29	88.64	4.8	33.68	7.8	25.7	0.56
F23	12 Aug 2021	58	11.26	88.59	4.7	33.69	7.8	25.7	0.55
F23	12 Aug 2021	59	11.25	88.42	4.6	33.69	7.7	25.7	0.52
F23	12 Aug 2021	60	11.23	88.55	4.6	33.69	7.7	25.7	0.45
F23	12 Aug 2021	61	11.21	88.58	4.5	33.70	7.7	25.7	0.42
F23	12 Aug 2021	62	11.19	88.57	4.5	33.70	7.7	25.7	0.41
F23	12 Aug 2021	63	11.18	88.58	4.4	33.70	7.7	25.7	0.38
F23	12 Aug 2021	64	11.19	88.60	4.4	33.70	7.7	25.7	0.38
F23	12 Aug 2021	65	11.19	88.45	4.4	33.70	7.7	25.7	0.37
F23	12 Aug 2021	66	11.20	88.52	4.5	33.71	7.7	25.7	0.38
F23	12 Aug 2021	67	11.21	88.54	4.5	33.71	7.7	25.7	0.36
F23	12 Aug 2021	68	11.21	88.67	4.5	33.71	7.7	25.7	0.38
F23	12 Aug 2021	69	11.21	88.66	4.6	33.72	7.7	25.7	0.39
F23	12 Aug 2021	70	11.19	88.66	4.5	33.73	7.7	25.8	0.39
F23	12 Aug 2021	71	11.18	88.48	4.5	33.73	7.7	25.8	0.41
F23	12 Aug 2021	72	11.16	88.21	4.4	33.73	7.7	25.8	0.41
F23	12 Aug 2021	73	11.14	87.11	4.4	33.73	7.7	25.8	0.43
F23	12 Aug 2021	74	11.14	86.84	4.3	33.73	7.7	25.8	0.45
F23	12 Aug 2021	75	11.14	86.74	4.3	33.73	7.7	25.8	0.44
F23	12 Aug 2021	76	11.14	86.62	4.4	33.73	7.7	25.8	0.50
F23	12 Aug 2021	77	11.13	86.34	4.3	33.73	7.7	25.8	0.45
F23	12 Aug 2021	78	11.13	86.19	4.3	33.73	7.7	25.8	0.47
F23	12 Aug 2021	79	11.11	85.88	4.3	33.73	7.7	25.8	0.51
F23	12 Aug 2021	80	11.11	84.97	4.3	33.74	7.7	25.8	0.48
F23	12 Aug 2021	81	11.10	84.33	4.2	33.74	7.7	25.8	0.54
F23	12 Aug 2021	82	11.09	83.33	4.2	33.74	7.7	25.8	0.52
F24	12 Aug 2021	1	19.38	74.06	9.1	33.52	8.2	23.8	1.83
F24	12 Aug 2021	2	18.96	70.56	9.2	33.59	8.2	24.0	1.78
F24	12 Aug 2021	3	18.49	74.58	9.4	33.56	8.2	24.1	1.86
F24	12 Aug 2021	4	18.27	76.88	9.4	33.57	8.2	24.1	1.87
F24	12 Aug 2021	5	18.05	77.96	9.4	33.57	8.2	24.2	1.94
F24	12 Aug 2021	6	17.25	78.25	9.5	33.60	8.2	24.4	1.85
F24	12 Aug 2021	7	16.97	78.80	9.6	33.56	8.2	24.4	1.81
F24	12 Aug 2021	8	16.86	79.79	9.6	33.55	8.2	24.4	1.87
F24	12 Aug 2021	9	15.36	79.86	9.4	33.69	8.1	24.9	1.97
F24	12 Aug 2021	10	14.68	81.17	9.4	33.53	8.1	24.9	1.96
F24	12 Aug 2021	11	14.59	81.97	9.4	33.50	8.1	24.9	2.16
F24	12 Aug 2021	12	14.34	82.78	9.3	33.52	8.1	25.0	1.98
F24	12 Aug 2021	13	14.01	82.78	9.1	33.53	8.1	25.0	1.95
F24	12 Aug 2021	14	13.75	80.96	8.5	33.55	8.0	25.1	2.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F24	12 Aug 2021	15	13.61	80.66	8.2	33.54	8.0	25.1	2.48
F24	12 Aug 2021	16	13.40	80.92	8.3	33.54	8.0	25.2	2.94
F24	12 Aug 2021	17	13.29	81.07	8.3	33.52	8.0	25.2	3.05
F24	12 Aug 2021	18	13.20	80.86	8.2	33.53	8.0	25.2	3.40
F24	12 Aug 2021	19	13.05	81.01	8.0	33.54	8.0	25.3	3.45
F24	12 Aug 2021	20	13.00	81.30	7.7	33.54	8.0	25.3	3.54
F24	12 Aug 2021	21	12.89	81.55	7.6	33.53	8.0	25.3	3.96
F24	12 Aug 2021	22	12.80	82.22	7.5	33.53	8.0	25.3	3.63
F24	12 Aug 2021	23	12.81	83.12	7.4	33.53	8.0	25.3	3.49
F24	12 Aug 2021	24	12.61	83.72	7.1	33.55	7.9	25.3	3.43
F24	12 Aug 2021	25	12.57	84.34	7.0	33.54	7.9	25.3	3.16
F24	12 Aug 2021	26	12.54	84.67	7.0	33.53	7.9	25.3	2.96
F24	12 Aug 2021	27	12.47	84.81	7.0	33.54	7.9	25.4	2.83
F24	12 Aug 2021	28	12.36	85.21	6.9	33.55	7.9	25.4	2.32
F24	12 Aug 2021	29	12.27	85.93	6.7	33.56	7.9	25.4	2.37
F24	12 Aug 2021	30	12.23	86.78	6.4	33.58	7.9	25.4	2.17
F24	12 Aug 2021	31	12.27	86.73	6.1	33.59	7.9	25.4	2.13
F24	12 Aug 2021	32	12.23	86.58	6.0	33.60	7.9	25.5	1.67
F24	12 Aug 2021	33	12.21	87.01	6.0	33.59	7.9	25.5	1.55
F24	12 Aug 2021	34	12.15	87.05	5.9	33.61	7.9	25.5	1.63
F24	12 Aug 2021	35	12.02	87.05	5.8	33.62	7.8	25.5	1.62
F24	12 Aug 2021	36	11.91	87.32	5.7	33.62	7.8	25.5	1.66
F24	12 Aug 2021	37	11.77	87.66	5.7	33.62	7.8	25.6	1.39
F24	12 Aug 2021	38	11.69	87.96	5.6	33.62	7.8	25.6	1.35
F24	12 Aug 2021	39	11.60	88.11	5.4	33.64	7.8	25.6	1.10
F24	12 Aug 2021	40	11.58	88.12	5.2	33.64	7.8	25.6	0.99
F24	12 Aug 2021	41	11.56	88.16	5.2	33.65	7.8	25.6	0.95
F24	12 Aug 2021	42	11.52	88.14	5.1	33.66	7.8	25.6	1.04
F24	12 Aug 2021	43	11.47	88.15	5.1	33.66	7.8	25.6	0.87
F24	12 Aug 2021	44	11.45	88.42	5.0	33.66	7.8	25.7	0.94
F24	12 Aug 2021	45	11.40	87.99	5.0	33.67	7.8	25.7	0.92
F24	12 Aug 2021	46	11.35	88.24	4.9	33.67	7.8	25.7	0.65
F24	12 Aug 2021	47	11.28	88.42	4.8	33.68	7.8	25.7	0.56
F24	12 Aug 2021	48	11.26	88.35	4.7	33.68	7.8	25.7	0.47
F24	12 Aug 2021	49	11.25	88.47	4.6	33.68	7.8	25.7	0.43
F24	12 Aug 2021	50	11.24	88.18	4.6	33.68	7.8	25.7	0.40
F24	12 Aug 2021	51	11.23	88.25	4.5	33.68	7.7	25.7	0.43
F24	12 Aug 2021	52	11.23	88.32	4.5	33.68	7.7	25.7	0.36
F24	12 Aug 2021	53	11.23	88.31	4.5	33.68	7.7	25.7	0.37
F24	12 Aug 2021	54	11.24	88.38	4.6	33.69	7.8	25.7	0.35
F24	12 Aug 2021	55	11.24	88.57	4.6	33.70	7.8	25.7	0.34
F24	12 Aug 2021	56	11.24	88.52	4.6	33.69	7.8	25.7	0.34
F24	12 Aug 2021	57	11.23	88.49	4.6	33.70	7.8	25.7	0.36
F24	12 Aug 2021	58	11.23	88.56	4.6	33.70	7.8	25.7	0.46
F24	12 Aug 2021	59	11.23	88.63	4.6	33.70	7.7	25.7	0.48
F24	12 Aug 2021	60	11.23	88.63	4.6	33.70	7.7	25.7	0.46
F24	12 Aug 2021	61	11.23	88.65	4.6	33.70	7.7	25.7	0.44
F24	12 Aug 2021	62	11.23	88.63	4.6	33.70	7.7	25.7	0.38
F24	12 Aug 2021	63	11.23	88.61	4.6	33.70	7.7	25.7	0.36
F24	12 Aug 2021	64	11.23	88.54	4.6	33.70	7.7	25.7	0.37
F24	12 Aug 2021	65	11.23	88.55	4.6	33.70	7.7	25.7	0.36
F24	12 Aug 2021	66	11.23	88.62	4.6	33.70	7.7	25.7	0.35
F24	12 Aug 2021	67	11.23	88.55	4.6	33.70	7.7	25.7	0.35
F24	12 Aug 2021	68	11.24	88.50	4.6	33.70	7.7	25.7	0.37
F24	12 Aug 2021	69	11.24	88.55	4.6	33.70	7.7	25.7	0.36
F24	12 Aug 2021	70	11.25	88.58	4.6	33.70	7.7	25.7	0.37
F24	12 Aug 2021	71	11.25	88.47	4.7	33.70	7.7	25.7	0.38
F24	12 Aug 2021	72	11.25	88.64	4.7	33.70	7.7	25.7	0.42
F24	12 Aug 2021	73	11.25	88.64	4.7	33.70	7.7	25.7	0.41
F24	12 Aug 2021	74	11.24	88.71	4.7	33.71	7.7	25.7	0.44
F24	12 Aug 2021	75	11.23	88.41	4.6	33.71	7.7	25.7	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	12 Aug 2021	76	11.22	88.31	4.6	33.72	7.7	25.7	0.43
F24	12 Aug 2021	77	11.18	88.29	4.6	33.73	7.7	25.8	0.42
F24	12 Aug 2021	78	11.14	87.70	4.5	33.73	7.7	25.8	0.44
F24	12 Aug 2021	79	11.14	87.24	4.4	33.73	7.7	25.8	0.41
F24	12 Aug 2021	80	11.13	86.42	4.4	33.74	7.7	25.8	0.46
F24	12 Aug 2021	81	11.12	86.34	4.4	33.75	7.7	25.8	0.45
F24	12 Aug 2021	82	11.10	85.84	4.3	33.75	7.7	25.8	0.48
F25	12 Aug 2021	1	20.56	81.52	8.4	33.53	8.1	23.5	0.99
F25	12 Aug 2021	2	20.25	80.22	8.4	33.55	8.1	23.6	1.01
F25	12 Aug 2021	3	19.11	78.39	8.7	33.58	8.1	23.9	1.12
F25	12 Aug 2021	4	17.81	82.22	9.2	33.56	8.1	24.2	1.20
F25	12 Aug 2021	5	17.04	79.66	9.5	33.55	8.1	24.4	1.67
F25	12 Aug 2021	6	16.70	77.36	9.3	33.53	8.1	24.5	2.13
F25	12 Aug 2021	7	16.07	75.13	9.2	33.55	8.1	24.6	2.67
F25	12 Aug 2021	8	15.79	74.94	9.1	33.52	8.1	24.7	3.16
F25	12 Aug 2021	9	15.35	75.74	9.2	33.52	8.1	24.8	3.41
F25	12 Aug 2021	10	15.00	77.21	9.4	33.49	8.1	24.8	3.40
F25	12 Aug 2021	11	14.67	78.42	9.4	33.48	8.1	24.9	3.34
F25	12 Aug 2021	12	14.48	79.76	9.4	33.48	8.1	24.9	3.12
F25	12 Aug 2021	13	14.18	80.36	9.3	33.47	8.1	25.0	3.09
F25	12 Aug 2021	14	13.95	80.81	9.1	33.48	8.1	25.0	3.00
F25	12 Aug 2021	15	13.77	80.95	8.9	33.48	8.1	25.1	3.19
F25	12 Aug 2021	16	13.53	81.54	8.6	33.49	8.1	25.1	2.93
F25	12 Aug 2021	17	13.17	81.82	8.2	33.51	8.0	25.2	3.01
F25	12 Aug 2021	18	13.08	82.22	7.6	33.52	8.0	25.2	3.10
F25	12 Aug 2021	19	12.96	82.79	7.0	33.55	7.9	25.3	3.02
F25	12 Aug 2021	20	12.78	84.07	6.6	33.56	7.9	25.3	3.21
F25	12 Aug 2021	21	12.71	84.35	6.5	33.58	7.9	25.3	2.59
F25	12 Aug 2021	22	12.60	84.50	6.4	33.59	7.9	25.4	2.33
F25	12 Aug 2021	23	12.47	85.04	6.4	33.58	7.9	25.4	2.11
F25	12 Aug 2021	24	12.32	85.68	6.3	33.60	7.9	25.4	1.95
F25	12 Aug 2021	25	12.37	86.56	6.2	33.57	7.9	25.4	1.78
F25	12 Aug 2021	26	12.19	87.11	6.2	33.59	7.9	25.5	1.50
F25	12 Aug 2021	27	12.18	86.99	6.1	33.59	7.9	25.5	1.66
F25	12 Aug 2021	28	12.15	87.19	6.1	33.58	7.8	25.5	1.36
F25	12 Aug 2021	29	12.13	87.33	6.0	33.57	7.8	25.5	1.32
F25	12 Aug 2021	30	11.92	87.43	6.0	33.60	7.8	25.5	1.39
F25	12 Aug 2021	31	11.75	87.96	5.8	33.59	7.8	25.5	1.29
F25	12 Aug 2021	32	11.71	88.22	5.6	33.60	7.8	25.6	1.31
F25	12 Aug 2021	33	11.69	88.07	5.5	33.63	7.8	25.6	1.11
F25	12 Aug 2021	34	11.70	88.12	5.4	33.63	7.8	25.6	0.96
F25	12 Aug 2021	35	11.68	88.09	5.3	33.63	7.8	25.6	0.90
F25	12 Aug 2021	36	11.68	88.16	5.3	33.63	7.8	25.6	0.80
F25	12 Aug 2021	37	11.67	88.06	5.3	33.63	7.8	25.6	0.79
F25	12 Aug 2021	38	11.67	87.91	5.3	33.63	7.8	25.6	0.77
F25	12 Aug 2021	39	11.64	87.82	5.3	33.65	7.8	25.6	0.71
F25	12 Aug 2021	40	11.56	88.08	5.2	33.66	7.8	25.6	0.74
F25	12 Aug 2021	41	11.52	88.08	5.1	33.66	7.8	25.6	0.67
F25	12 Aug 2021	42	11.50	88.12	5.1	33.66	7.8	25.6	0.65
F25	12 Aug 2021	43	11.48	88.04	5.1	33.66	7.8	25.6	0.59
F25	12 Aug 2021	44	11.47	88.11	5.1	33.66	7.8	25.6	0.53
F25	12 Aug 2021	45	11.46	88.13	5.0	33.66	7.8	25.7	0.60
F25	12 Aug 2021	46	11.44	88.20	5.0	33.66	7.8	25.7	0.58
F25	12 Aug 2021	47	11.42	87.65	5.0	33.66	7.8	25.7	0.53
F25	12 Aug 2021	48	11.37	88.23	4.9	33.67	7.8	25.7	0.53
F25	12 Aug 2021	49	11.34	88.27	4.8	33.67	7.8	25.7	0.50
F25	12 Aug 2021	50	11.36	88.29	4.8	33.67	7.8	25.7	0.57
F25	12 Aug 2021	51	11.36	88.05	4.8	33.69	7.8	25.7	0.59
F25	12 Aug 2021	52	11.34	88.32	4.8	33.70	7.8	25.7	0.48
F25	12 Aug 2021	53	11.32	88.39	4.7	33.71	7.8	25.7	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	12 Aug 2021	54	11.30	88.46	4.7	33.71	7.7	25.7	0.48
F25	12 Aug 2021	55	11.30	87.95	4.7	33.71	7.7	25.7	0.48
F25	12 Aug 2021	56	11.30	88.43	4.7	33.71	7.7	25.7	0.48
F25	12 Aug 2021	57	11.29	88.42	4.7	33.71	7.7	25.7	0.51
F25	12 Aug 2021	58	11.28	88.46	4.6	33.70	7.7	25.7	0.51
F25	12 Aug 2021	59	11.27	88.45	4.6	33.70	7.7	25.7	0.47
F25	12 Aug 2021	60	11.26	88.47	4.6	33.70	7.7	25.7	0.44
F25	12 Aug 2021	61	11.25	88.46	4.6	33.70	7.7	25.7	0.43
F25	12 Aug 2021	62	11.20	88.30	4.5	33.70	7.7	25.7	0.42
F25	12 Aug 2021	63	11.20	88.29	4.5	33.70	7.7	25.7	0.44
F25	12 Aug 2021	64	11.20	88.25	4.4	33.70	7.7	25.7	0.38
F25	12 Aug 2021	65	11.19	87.94	4.4	33.70	7.7	25.7	0.36
F25	12 Aug 2021	66	11.19	88.07	4.4	33.71	7.7	25.7	0.34
F25	12 Aug 2021	67	11.20	88.27	4.4	33.71	7.7	25.7	0.34
F25	12 Aug 2021	68	11.20	88.44	4.5	33.71	7.7	25.7	0.34
F25	12 Aug 2021	69	11.20	88.37	4.5	33.72	7.7	25.7	0.32
F25	12 Aug 2021	70	11.20	88.37	4.5	33.73	7.7	25.7	0.33
F25	12 Aug 2021	71	11.18	88.22	4.5	33.73	7.7	25.8	0.36
F25	12 Aug 2021	72	11.16	87.77	4.5	33.74	7.7	25.8	0.34
F25	12 Aug 2021	73	11.12	87.02	4.4	33.75	7.7	25.8	0.36
F25	12 Aug 2021	74	11.12	86.68	4.4	33.75	7.7	25.8	0.37
F25	12 Aug 2021	75	11.11	86.46	4.3	33.75	7.7	25.8	0.42
F25	12 Aug 2021	76	11.10	86.59	4.3	33.76	7.7	25.8	0.43
F25	12 Aug 2021	77	11.10	86.57	4.3	33.76	7.7	25.8	0.44
F25	12 Aug 2021	78	11.08	86.60	4.3	33.76	7.7	25.8	0.47
F25	12 Aug 2021	79	11.06	86.32	4.3	33.77	7.7	25.8	0.48
F26	10 Aug 2021	1	20.67	83.84	8.2	33.53	8.2	23.5	0.43
F26	10 Aug 2021	2	20.37	83.12	8.2	33.60	8.2	23.6	0.43
F26	10 Aug 2021	3	19.57	83.32	8.5	33.64	8.2	23.8	0.43
F26	10 Aug 2021	4	18.98	82.28	8.7	33.58	8.2	23.9	0.44
F26	10 Aug 2021	5	18.70	82.05	8.8	33.56	8.2	24.0	0.43
F26	10 Aug 2021	6	18.54	81.73	8.9	33.55	8.2	24.0	0.46
F26	10 Aug 2021	7	17.82	81.82	8.9	33.65	8.2	24.3	0.52
F26	10 Aug 2021	8	17.08	81.64	8.9	33.59	8.2	24.4	0.55
F26	10 Aug 2021	9	15.77	80.87	9.0	33.79	8.2	24.9	0.61
F26	10 Aug 2021	10	14.75	79.88	9.1	33.61	8.2	25.0	0.67
F26	10 Aug 2021	11	14.68	79.20	8.9	33.57	8.1	24.9	0.77
F26	10 Aug 2021	12	14.24	79.39	8.5	33.63	8.1	25.1	0.88
F26	10 Aug 2021	13	13.81	79.90	8.1	33.58	8.1	25.1	1.05
F26	10 Aug 2021	14	13.53	80.60	7.7	33.60	8.1	25.2	1.26
F26	10 Aug 2021	15	13.27	80.77	7.4	33.59	8.0	25.2	1.39
F26	10 Aug 2021	16	13.07	80.96	7.1	33.60	8.0	25.3	1.70
F26	10 Aug 2021	17	12.96	80.27	6.8	33.58	8.0	25.3	2.00
F26	10 Aug 2021	18	12.85	81.03	6.6	33.59	8.0	25.3	2.26
F26	10 Aug 2021	19	12.82	82.50	6.5	33.60	8.0	25.3	2.82
F26	10 Aug 2021	20	12.75	82.94	6.4	33.62	8.0	25.4	3.32
F26	10 Aug 2021	21	12.57	83.19	6.3	33.64	8.0	25.4	3.52
F26	10 Aug 2021	22	12.42	84.25	6.2	33.65	7.9	25.5	3.60
F26	10 Aug 2021	23	12.33	85.01	6.1	33.65	7.9	25.5	3.40
F26	10 Aug 2021	24	12.24	85.88	5.9	33.65	7.9	25.5	3.29
F26	10 Aug 2021	25	12.16	86.58	5.8	33.65	7.9	25.5	3.21
F26	10 Aug 2021	26	12.07	87.45	5.7	33.64	7.9	25.5	3.27
F26	10 Aug 2021	27	11.92	88.12	5.6	33.65	7.9	25.6	2.75
F26	10 Aug 2021	28	11.81	88.69	5.6	33.65	7.9	25.6	2.42
F26	10 Aug 2021	29	11.75	88.96	5.6	33.65	7.9	25.6	2.01
F26	10 Aug 2021	30	11.74	88.87	5.5	33.64	7.9	25.6	1.87
F26	10 Aug 2021	31	11.77	88.32	5.4	33.66	7.9	25.6	1.38
F26	10 Aug 2021	32	11.73	88.07	5.2	33.70	7.9	25.6	1.19
F26	10 Aug 2021	33	11.69	87.90	5.0	33.70	7.8	25.6	1.20
F26	10 Aug 2021	34	11.69	88.15	4.9	33.70	7.8	25.6	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F26	10 Aug 2021	35	11.69	88.14	4.9	33.70	7.8	25.6	1.00
F26	10 Aug 2021	36	11.68	88.22	4.9	33.70	7.8	25.6	0.93
F26	10 Aug 2021	37	11.68	88.20	5.0	33.69	7.8	25.6	0.85
F26	10 Aug 2021	38	11.68	88.17	5.0	33.69	7.8	25.6	0.84
F26	10 Aug 2021	39	11.68	88.11	5.0	33.69	7.8	25.6	0.81
F26	10 Aug 2021	40	11.68	88.19	5.0	33.69	7.8	25.6	0.82
F26	10 Aug 2021	41	11.68	88.22	4.9	33.69	7.8	25.6	0.79
F26	10 Aug 2021	42	11.68	88.19	4.9	33.69	7.8	25.6	0.78
F26	10 Aug 2021	43	11.67	88.24	4.9	33.70	7.8	25.6	0.77
F26	10 Aug 2021	44	11.65	88.41	4.9	33.69	7.8	25.6	0.74
F26	10 Aug 2021	45	11.64	88.46	5.0	33.68	7.8	25.6	0.75
F26	10 Aug 2021	46	11.64	88.48	5.0	33.68	7.8	25.6	0.77
F26	10 Aug 2021	47	11.63	88.47	5.0	33.68	7.8	25.6	0.74
F26	10 Aug 2021	48	11.61	88.50	5.0	33.68	7.8	25.6	0.73
F26	10 Aug 2021	49	11.61	88.52	5.0	33.67	7.8	25.6	0.70
F26	10 Aug 2021	50	11.60	88.51	5.0	33.68	7.8	25.6	0.67
F26	10 Aug 2021	51	11.59	88.43	4.9	33.69	7.8	25.6	0.70
F26	10 Aug 2021	52	11.58	88.35	4.9	33.69	7.8	25.6	0.69
F26	10 Aug 2021	53	11.57	88.28	4.9	33.69	7.8	25.7	0.72
F26	10 Aug 2021	54	11.54	88.36	4.8	33.70	7.8	25.7	0.68
F26	10 Aug 2021	55	11.52	88.24	4.8	33.70	7.8	25.7	0.69
F26	10 Aug 2021	56	11.53	88.29	4.8	33.70	7.8	25.7	0.68
F26	10 Aug 2021	57	11.52	88.30	4.8	33.70	7.8	25.7	0.69
F26	10 Aug 2021	58	11.52	88.26	4.8	33.70	7.8	25.7	0.68
F26	10 Aug 2021	59	11.51	88.28	4.7	33.70	7.8	25.7	0.70
F26	10 Aug 2021	60	11.51	88.30	4.7	33.70	7.8	25.7	0.72
F26	10 Aug 2021	61	11.50	88.31	4.7	33.71	7.8	25.7	0.68
F26	10 Aug 2021	62	11.50	88.25	4.7	33.71	7.8	25.7	0.67
F26	10 Aug 2021	63	11.50	88.29	4.7	33.71	7.8	25.7	0.63
F26	10 Aug 2021	64	11.49	88.29	4.7	33.71	7.8	25.7	0.65
F26	10 Aug 2021	65	11.48	88.36	4.7	33.71	7.8	25.7	0.69
F26	10 Aug 2021	66	11.49	88.30	4.6	33.71	7.8	25.7	0.65
F26	10 Aug 2021	67	11.48	88.00	4.7	33.70	7.8	25.7	0.63
F26	10 Aug 2021	68	11.48	88.27	4.7	33.70	7.8	25.7	0.65
F26	10 Aug 2021	69	11.48	88.35	4.7	33.70	7.8	25.7	0.61
F26	10 Aug 2021	70	11.48	88.33	4.6	33.70	7.8	25.7	0.71
F26	10 Aug 2021	71	11.48	88.25	4.6	33.70	7.8	25.7	0.63
F26	10 Aug 2021	72	11.49	88.19	4.6	33.70	7.8	25.7	0.62
F26	10 Aug 2021	73	11.49	88.26	4.6	33.71	7.8	25.7	0.65
F26	10 Aug 2021	74	11.49	88.24	4.6	33.71	7.8	25.7	0.61
F26	10 Aug 2021	75	11.49	88.23	4.6	33.71	7.8	25.7	0.61
F26	10 Aug 2021	76	11.49	88.24	4.6	33.71	7.8	25.7	0.60
F26	10 Aug 2021	77	11.49	88.14	4.6	33.71	7.8	25.7	0.60
F26	10 Aug 2021	78	11.47	88.17	4.6	33.71	7.8	25.7	0.65
F26	10 Aug 2021	79	11.45	88.19	4.6	33.72	7.8	25.7	0.71
F26	10 Aug 2021	80	11.38	88.31	4.6	33.73	7.8	25.7	0.76
F26	10 Aug 2021	81	11.37	88.48	4.5	33.73	7.8	25.7	0.66
F26	10 Aug 2021	82	11.36	88.48	4.5	33.73	7.8	25.7	0.64
F26	10 Aug 2021	83	11.36	88.55	4.5	33.73	7.8	25.7	0.62
F26	10 Aug 2021	84	11.35	88.57	4.5	33.74	7.8	25.7	0.59
F26	10 Aug 2021	85	11.29	88.70	4.5	33.74	7.8	25.7	0.59
F26	10 Aug 2021	86	11.26	88.79	4.5	33.74	7.8	25.7	0.62
F26	10 Aug 2021	87	11.24	88.81	4.5	33.74	7.8	25.8	0.61
F26	10 Aug 2021	88	11.22	88.88	4.4	33.74	7.8	25.8	0.55
F26	10 Aug 2021	89	11.20	88.92	4.5	33.74	7.8	25.8	0.55
F26	10 Aug 2021	90	11.19	89.00	4.5	33.74	7.8	25.8	0.57
F26	10 Aug 2021	91	11.16	89.01	4.5	33.75	7.8	25.8	0.48
F26	10 Aug 2021	92	11.13	89.01	4.5	33.76	7.8	25.8	0.49
F26	10 Aug 2021	93	11.12	88.95	4.5	33.76	7.8	25.8	0.49
F26	10 Aug 2021	94	11.11	88.96	4.5	33.76	7.8	25.8	0.48
F26	10 Aug 2021	95	11.10	88.98	4.4	33.77	7.8	25.8	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F26	10 Aug 2021	96	11.09	88.63	4.4	33.78	7.8	25.8	0.46
F26	10 Aug 2021	97	11.04	87.02	4.3	33.80	7.8	25.8	0.50
F26	10 Aug 2021	98	11.00	87.88	4.2	33.82	7.8	25.9	0.46
F26	10 Aug 2021	99	10.91	85.50	4.1	33.86	7.8	25.9	0.49
F26	10 Aug 2021	100	10.90	85.34	4.0	33.85	7.8	25.9	0.53
F27	10 Aug 2021	1	20.20	84.34	8.5	33.52	8.2	23.6	0.39
F27	10 Aug 2021	2	20.22	82.25	8.5	33.52	8.2	23.6	0.38
F27	10 Aug 2021	3	20.13	83.96	8.4	33.55	8.2	23.6	0.38
F27	10 Aug 2021	4	19.82	84.17	8.4	33.58	8.2	23.7	0.37
F27	10 Aug 2021	5	19.36	84.07	8.5	33.61	8.2	23.9	0.38
F27	10 Aug 2021	6	18.44	83.43	8.6	33.68	8.2	24.2	0.39
F27	10 Aug 2021	7	17.82	83.28	8.7	33.60	8.2	24.2	0.40
F27	10 Aug 2021	8	16.98	83.64	8.8	33.67	8.2	24.5	0.45
F27	10 Aug 2021	9	15.77	84.40	9.0	33.69	8.2	24.8	0.46
F27	10 Aug 2021	10	14.91	85.05	9.0	33.60	8.2	24.9	0.50
F27	10 Aug 2021	11	14.40	83.15	8.9	33.60	8.2	25.0	0.52
F27	10 Aug 2021	12	13.87	81.12	9.0	33.60	8.2	25.1	0.53
F27	10 Aug 2021	13	13.50	78.46	8.7	33.60	8.1	25.2	0.58
F27	10 Aug 2021	14	13.25	75.31	8.2	33.61	8.1	25.3	0.82
F27	10 Aug 2021	15	13.05	77.08	7.7	33.60	8.0	25.3	1.26
F27	10 Aug 2021	16	12.92	79.07	7.3	33.61	8.0	25.3	1.78
F27	10 Aug 2021	17	12.52	81.99	7.1	33.63	8.0	25.4	2.56
F27	10 Aug 2021	18	12.41	84.18	6.9	33.60	8.0	25.4	3.31
F27	10 Aug 2021	19	12.37	84.61	6.6	33.60	8.0	25.4	3.70
F27	10 Aug 2021	20	12.35	85.63	6.3	33.63	7.9	25.5	3.43
F27	10 Aug 2021	21	12.35	85.87	6.0	33.64	7.9	25.5	3.30
F27	10 Aug 2021	22	12.35	85.99	5.9	33.63	7.9	25.5	2.93
F27	10 Aug 2021	23	12.35	86.09	5.8	33.63	7.9	25.5	2.63
F27	10 Aug 2021	24	12.35	86.14	5.8	33.63	7.9	25.5	2.28
F27	10 Aug 2021	25	12.35	86.01	5.8	33.64	7.9	25.5	2.13
F27	10 Aug 2021	26	12.34	86.02	5.8	33.63	7.9	25.5	2.22
F27	10 Aug 2021	27	12.34	86.02	5.8	33.63	7.9	25.5	2.02
F27	10 Aug 2021	28	12.34	86.08	5.8	33.63	7.9	25.5	1.92
F27	10 Aug 2021	29	12.33	86.20	5.8	33.63	7.9	25.5	2.01
F27	10 Aug 2021	30	12.28	86.23	5.8	33.65	7.9	25.5	2.04
F27	10 Aug 2021	31	12.03	87.32	5.7	33.67	7.9	25.5	1.90
F27	10 Aug 2021	32	11.85	88.38	5.7	33.64	7.9	25.6	1.83
F27	10 Aug 2021	33	11.83	88.55	5.6	33.63	7.9	25.6	1.82
F27	10 Aug 2021	34	11.80	88.54	5.6	33.63	7.9	25.6	1.72
F27	10 Aug 2021	35	11.69	88.77	5.6	33.65	7.9	25.6	1.42
F27	10 Aug 2021	36	11.61	88.96	5.5	33.64	7.9	25.6	1.22
F27	10 Aug 2021	37	11.58	89.11	5.5	33.63	7.9	25.6	1.14
F27	10 Aug 2021	38	11.57	89.05	5.5	33.64	7.9	25.6	1.12
F27	10 Aug 2021	39	11.51	88.96	5.4	33.66	7.9	25.6	0.95
F27	10 Aug 2021	40	11.50	89.00	5.3	33.66	7.9	25.6	0.91
F27	10 Aug 2021	41	11.51	88.85	5.2	33.66	7.9	25.6	0.89
F27	10 Aug 2021	42	11.54	88.70	5.1	33.68	7.8	25.7	0.81
F27	10 Aug 2021	43	11.52	88.69	5.0	33.69	7.8	25.7	0.77
F27	10 Aug 2021	44	11.52	88.43	4.9	33.69	7.8	25.7	0.73
F27	10 Aug 2021	45	11.52	88.57	4.9	33.69	7.8	25.7	0.72
F27	10 Aug 2021	46	11.52	88.42	4.9	33.69	7.8	25.7	0.77
F27	10 Aug 2021	47	11.52	88.54	4.9	33.69	7.8	25.7	0.85
F27	10 Aug 2021	48	11.53	88.53	4.9	33.69	7.8	25.7	0.91
F27	10 Aug 2021	49	11.53	88.40	4.9	33.69	7.8	25.7	0.83
F27	10 Aug 2021	50	11.53	88.41	4.9	33.69	7.8	25.7	0.83
F27	10 Aug 2021	51	11.54	88.34	4.8	33.69	7.8	25.7	0.94
F27	10 Aug 2021	52	11.53	88.32	4.8	33.69	7.8	25.7	0.80
F27	10 Aug 2021	53	11.53	88.28	4.8	33.69	7.8	25.7	0.78
F27	10 Aug 2021	54	11.53	88.06	4.8	33.70	7.8	25.7	0.76
F27	10 Aug 2021	55	11.53	88.00	4.8	33.69	7.8	25.7	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F27	10 Aug 2021	56	11.53	88.21	4.8	33.70	7.8	25.7	0.78
F27	10 Aug 2021	57	11.52	88.27	4.8	33.70	7.8	25.7	0.78
F27	10 Aug 2021	58	11.49	88.38	4.8	33.69	7.8	25.7	0.79
F27	10 Aug 2021	59	11.49	88.41	4.8	33.69	7.8	25.7	0.77
F27	10 Aug 2021	60	11.47	88.36	4.8	33.69	7.8	25.7	0.74
F27	10 Aug 2021	61	11.46	88.32	4.8	33.68	7.8	25.7	0.75
F27	10 Aug 2021	62	11.45	88.37	4.9	33.68	7.8	25.7	0.78
F27	10 Aug 2021	63	11.45	88.50	4.9	33.68	7.8	25.7	0.78
F27	10 Aug 2021	64	11.44	88.53	4.9	33.68	7.8	25.7	0.85
F27	10 Aug 2021	65	11.44	88.53	4.9	33.68	7.8	25.7	0.81
F27	10 Aug 2021	66	11.44	88.54	4.9	33.68	7.8	25.7	0.79
F27	10 Aug 2021	67	11.39	88.61	4.8	33.69	7.8	25.7	0.77
F27	10 Aug 2021	68	11.31	88.86	4.9	33.69	7.8	25.7	0.85
F27	10 Aug 2021	69	11.28	88.79	4.9	33.69	7.8	25.7	0.86
F27	10 Aug 2021	70	11.25	88.76	4.9	33.69	7.8	25.7	0.86
F27	10 Aug 2021	71	11.25	88.81	4.9	33.69	7.8	25.7	0.85
F27	10 Aug 2021	72	11.24	88.45	4.9	33.69	7.8	25.7	0.76
F27	10 Aug 2021	73	11.23	88.84	4.8	33.71	7.8	25.7	0.96
F27	10 Aug 2021	74	11.24	88.72	4.7	33.72	7.8	25.7	0.76
F27	10 Aug 2021	75	11.24	88.69	4.7	33.72	7.8	25.7	0.71
F27	10 Aug 2021	76	11.23	88.92	4.7	33.72	7.8	25.7	0.69
F27	10 Aug 2021	77	11.25	88.88	4.6	33.73	7.8	25.7	0.67
F27	10 Aug 2021	78	11.24	88.61	4.6	33.73	7.8	25.7	0.77
F27	10 Aug 2021	79	11.24	88.73	4.6	33.73	7.8	25.7	0.59
F27	10 Aug 2021	80	11.23	88.83	4.5	33.74	7.8	25.8	0.97
F27	10 Aug 2021	81	11.20	88.85	4.5	33.75	7.8	25.8	0.55
F27	10 Aug 2021	82	11.18	88.77	4.5	33.75	7.8	25.8	0.53
F27	10 Aug 2021	83	11.16	88.95	4.5	33.75	7.8	25.8	0.56
F27	10 Aug 2021	84	11.15	88.33	4.5	33.75	7.8	25.8	0.50
F27	10 Aug 2021	85	11.14	88.88	4.5	33.75	7.8	25.8	0.49
F27	10 Aug 2021	86	11.13	89.01	4.5	33.75	7.8	25.8	0.51
F27	10 Aug 2021	87	11.13	88.99	4.5	33.76	7.8	25.8	0.49
F27	10 Aug 2021	88	11.11	89.04	4.4	33.77	7.8	25.8	0.46
F27	10 Aug 2021	89	11.09	88.84	4.4	33.77	7.8	25.8	0.49
F27	10 Aug 2021	90	11.06	87.84	4.4	33.78	7.8	25.8	0.47
F27	10 Aug 2021	91	11.06	88.71	4.3	33.79	7.8	25.8	0.46
F27	10 Aug 2021	92	11.06	88.67	4.3	33.80	7.8	25.8	0.47
F27	10 Aug 2021	93	11.04	88.43	4.2	33.81	7.8	25.8	0.47
F27	10 Aug 2021	94	11.00	87.93	4.2	33.82	7.8	25.9	0.44
F27	10 Aug 2021	95	10.98	87.53	4.1	33.83	7.8	25.9	0.48
F27	10 Aug 2021	96	10.96	86.95	4.0	33.84	7.8	25.9	0.45
F27	10 Aug 2021	97	10.91	86.49	4.0	33.85	7.8	25.9	0.51
F27	10 Aug 2021	98	10.87	86.00	3.9	33.86	7.8	25.9	0.51
F27	10 Aug 2021	99	10.82	86.44	3.9	33.88	7.7	25.9	0.52
F27	10 Aug 2021	100	10.79	86.53	3.8	33.88	7.7	25.9	0.52
F28	10 Aug 2021	1	19.80	82.93	9.0	33.53	8.2	23.7	0.51
F28	10 Aug 2021	2	19.62	82.82	9.0	33.56	8.2	23.8	0.53
F28	10 Aug 2021	3	19.40	83.14	9.0	33.55	8.2	23.8	0.53
F28	10 Aug 2021	4	19.34	83.22	9.1	33.54	8.2	23.8	0.55
F28	10 Aug 2021	5	19.32	83.23	9.1	33.54	8.2	23.8	0.58
F28	10 Aug 2021	6	19.00	83.04	9.0	33.59	8.2	23.9	0.57
F28	10 Aug 2021	7	18.36	82.67	8.9	33.62	8.2	24.1	0.63
F28	10 Aug 2021	8	16.85	82.51	8.9	33.81	8.2	24.6	0.71
F28	10 Aug 2021	9	15.12	83.16	9.1	33.73	8.2	25.0	0.75
F28	10 Aug 2021	10	14.46	83.81	9.2	33.56	8.2	25.0	0.74
F28	10 Aug 2021	11	14.39	84.94	9.2	33.50	8.2	24.9	0.78
F28	10 Aug 2021	12	14.25	85.14	9.1	33.49	8.2	25.0	0.82
F28	10 Aug 2021	13	14.08	85.19	9.1	33.48	8.2	25.0	0.86
F28	10 Aug 2021	14	14.01	85.03	9.1	33.48	8.1	25.0	0.86
F28	10 Aug 2021	15	13.89	84.70	9.0	33.50	8.1	25.0	0.93

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	10 Aug 2021	16	13.47	83.68	8.8	33.54	8.1	25.2	1.06
F28	10 Aug 2021	17	13.17	82.37	8.5	33.53	8.1	25.2	1.19
F28	10 Aug 2021	18	12.88	81.83	8.2	33.54	8.1	25.3	1.56
F28	10 Aug 2021	19	12.75	81.92	7.8	33.52	8.1	25.3	2.01
F28	10 Aug 2021	20	12.58	82.16	7.5	33.57	8.0	25.4	2.53
F28	10 Aug 2021	21	12.45	83.17	7.2	33.56	8.0	25.4	2.77
F28	10 Aug 2021	22	12.40	84.04	7.0	33.56	8.0	25.4	3.08
F28	10 Aug 2021	23	12.37	84.59	6.8	33.56	8.0	25.4	3.41
F28	10 Aug 2021	24	12.25	85.27	6.6	33.58	8.0	25.4	3.42
F28	10 Aug 2021	25	12.04	86.10	6.5	33.60	8.0	25.5	3.27
F28	10 Aug 2021	26	11.88	86.91	6.4	33.59	7.9	25.5	3.36
F28	10 Aug 2021	27	11.88	87.22	6.1	33.59	7.9	25.5	2.91
F28	10 Aug 2021	28	11.84	87.39	6.0	33.59	7.9	25.5	2.53
F28	10 Aug 2021	29	11.81	87.23	6.1	33.58	7.9	25.5	2.45
F28	10 Aug 2021	30	11.80	87.43	6.1	33.57	7.9	25.5	2.15
F28	10 Aug 2021	31	11.77	87.53	6.1	33.57	7.9	25.5	1.95
F28	10 Aug 2021	32	11.76	87.48	6.0	33.58	7.9	25.5	2.21
F28	10 Aug 2021	33	11.74	87.78	6.0	33.59	7.9	25.5	1.78
F28	10 Aug 2021	34	11.71	88.01	5.9	33.59	7.9	25.5	1.69
F28	10 Aug 2021	35	11.71	87.90	5.9	33.59	7.9	25.5	1.66
F28	10 Aug 2021	36	11.71	87.93	5.8	33.60	7.9	25.6	1.63
F28	10 Aug 2021	37	11.71	87.94	5.7	33.60	7.9	25.6	1.68
F28	10 Aug 2021	38	11.72	87.76	5.7	33.60	7.9	25.6	1.46
F28	10 Aug 2021	39	11.72	87.58	5.7	33.60	7.9	25.6	1.52
F28	10 Aug 2021	40	11.71	87.84	5.7	33.60	7.9	25.6	1.51
F28	10 Aug 2021	41	11.70	87.81	5.6	33.61	7.9	25.6	1.42
F28	10 Aug 2021	42	11.69	87.83	5.6	33.61	7.9	25.6	1.91
F28	10 Aug 2021	43	11.66	87.70	5.6	33.62	7.9	25.6	1.34
F28	10 Aug 2021	44	11.61	86.92	5.4	33.65	7.9	25.6	1.35
F28	10 Aug 2021	45	11.59	86.81	5.3	33.66	7.9	25.6	1.37
F28	10 Aug 2021	46	11.58	86.91	5.2	33.66	7.8	25.6	1.54
F28	10 Aug 2021	47	11.57	87.47	5.1	33.66	7.8	25.6	1.35
F28	10 Aug 2021	48	11.56	87.52	5.1	33.67	7.8	25.6	1.22
F28	10 Aug 2021	49	11.54	87.56	5.1	33.67	7.8	25.6	1.34
F28	10 Aug 2021	50	11.50	87.58	5.0	33.66	7.8	25.6	1.22
F28	10 Aug 2021	51	11.51	87.34	5.0	33.66	7.8	25.6	1.23
F28	10 Aug 2021	52	11.51	87.33	5.0	33.67	7.8	25.6	1.10
F28	10 Aug 2021	53	11.50	86.80	5.0	33.67	7.8	25.6	1.21
F28	10 Aug 2021	54	11.48	86.79	5.0	33.67	7.8	25.7	1.05
F28	10 Aug 2021	55	11.49	87.04	5.0	33.66	7.8	25.6	1.04
F28	10 Aug 2021	56	11.49	86.98	5.0	33.67	7.8	25.6	1.10
F28	10 Aug 2021	57	11.45	87.18	5.0	33.67	7.8	25.7	1.00
F28	10 Aug 2021	58	11.40	86.24	5.0	33.66	7.8	25.7	1.05
F28	10 Aug 2021	59	11.39	87.41	5.1	33.66	7.8	25.7	1.20
F28	10 Aug 2021	60	11.38	87.69	5.1	33.66	7.8	25.7	1.11
F28	10 Aug 2021	61	11.31	87.95	5.0	33.67	7.8	25.7	1.11
F28	10 Aug 2021	62	11.27	88.20	5.0	33.67	7.8	25.7	1.07
F28	10 Aug 2021	63	11.26	88.15	5.1	33.67	7.8	25.7	1.01
F28	10 Aug 2021	64	11.25	88.15	5.0	33.67	7.8	25.7	1.02
F28	10 Aug 2021	65	11.24	88.28	5.0	33.68	7.8	25.7	0.93
F28	10 Aug 2021	66	11.24	88.38	5.0	33.69	7.8	25.7	0.95
F28	10 Aug 2021	67	11.23	88.39	4.9	33.69	7.8	25.7	0.85
F28	10 Aug 2021	68	11.22	88.47	4.9	33.69	7.8	25.7	0.86
F28	10 Aug 2021	69	11.22	88.27	4.8	33.70	7.8	25.7	0.89
F28	10 Aug 2021	70	11.21	88.38	4.8	33.71	7.8	25.7	0.79
F28	10 Aug 2021	71	11.20	88.82	4.8	33.71	7.8	25.7	0.74
F28	10 Aug 2021	72	11.20	88.68	4.8	33.71	7.8	25.7	0.70
F28	10 Aug 2021	73	11.19	88.38	4.8	33.71	7.8	25.7	0.73
F28	10 Aug 2021	74	11.19	88.84	4.8	33.71	7.8	25.7	0.67
F28	10 Aug 2021	75	11.18	88.67	4.8	33.72	7.8	25.7	0.76
F28	10 Aug 2021	76	11.16	88.91	4.8	33.72	7.8	25.8	0.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	10 Aug 2021	77	11.16	88.98	4.7	33.72	7.8	25.8	0.68
F28	10 Aug 2021	78	11.16	88.93	4.7	33.72	7.8	25.8	0.65
F28	10 Aug 2021	79	11.16	88.82	4.7	33.72	7.8	25.8	0.71
F28	10 Aug 2021	80	11.16	88.84	4.7	33.72	7.8	25.8	0.63
F28	10 Aug 2021	81	11.16	88.71	4.7	33.72	7.8	25.8	0.63
F28	10 Aug 2021	82	11.16	88.46	4.6	33.73	7.8	25.8	0.59
F28	10 Aug 2021	83	11.15	88.94	4.6	33.73	7.8	25.8	0.60
F28	10 Aug 2021	84	11.15	88.77	4.6	33.74	7.8	25.8	0.56
F28	10 Aug 2021	85	11.14	88.86	4.6	33.74	7.8	25.8	0.57
F28	10 Aug 2021	86	11.13	88.93	4.6	33.75	7.8	25.8	0.58
F28	10 Aug 2021	87	11.12	88.87	4.5	33.75	7.8	25.8	0.60
F28	10 Aug 2021	88	11.11	88.91	4.5	33.76	7.8	25.8	0.60
F28	10 Aug 2021	89	11.09	88.78	4.5	33.76	7.8	25.8	0.62
F28	10 Aug 2021	90	11.07	88.58	4.5	33.77	7.8	25.8	0.60
F28	10 Aug 2021	91	11.06	88.49	4.4	33.79	7.8	25.8	0.56
F28	10 Aug 2021	92	11.05	88.26	4.3	33.80	7.8	25.8	0.50
F28	10 Aug 2021	93	11.03	87.85	4.2	33.80	7.8	25.8	0.49
F28	10 Aug 2021	94	11.02	87.57	4.2	33.81	7.8	25.8	0.48
F28	10 Aug 2021	95	11.00	87.42	4.1	33.82	7.8	25.9	0.49
F28	10 Aug 2021	96	10.94	88.26	4.1	33.82	7.8	25.9	0.53
F28	10 Aug 2021	97	10.89	88.65	4.1	33.83	7.8	25.9	0.61
F28	10 Aug 2021	98	10.88	88.42	4.0	33.84	7.8	25.9	0.50
F28	10 Aug 2021	99	10.86	88.34	4.0	33.85	7.8	25.9	0.46
F28	10 Aug 2021	100	10.84	86.63	4.0	33.86	7.7	25.9	0.44
F28	10 Aug 2021	101	10.84	85.61	3.9	33.87	7.7	25.9	0.41
F29	02 Aug 2021	1	17.54	84.28	8.9	33.49	8.2	24.2	0.72
F29	02 Aug 2021	2	17.52	84.12	8.9	33.49	8.2	24.2	0.65
F29	02 Aug 2021	3	17.42	84.03	8.8	33.51	8.2	24.3	0.68
F29	02 Aug 2021	4	17.01	83.80	8.8	33.54	8.2	24.4	0.74
F29	02 Aug 2021	5	16.08	81.57	8.9	33.54	8.2	24.6	0.76
F29	02 Aug 2021	6	15.56	84.64	8.8	33.48	8.2	24.7	0.70
F29	02 Aug 2021	7	15.31	85.57	8.7	33.48	8.2	24.7	0.69
F29	02 Aug 2021	8	14.69	86.32	8.6	33.50	8.2	24.9	0.69
F29	02 Aug 2021	9	14.23	86.36	8.6	33.45	8.2	24.9	0.89
F29	02 Aug 2021	10	14.19	86.28	8.6	33.44	8.2	24.9	0.96
F29	02 Aug 2021	11	14.18	86.09	8.6	33.43	8.2	24.9	0.99
F29	02 Aug 2021	12	14.15	85.96	8.6	33.43	8.2	24.9	1.06
F29	02 Aug 2021	13	14.14	85.76	8.6	33.43	8.2	24.9	1.22
F29	02 Aug 2021	14	14.04	85.16	8.6	33.44	8.2	25.0	1.39
F29	02 Aug 2021	15	13.76	83.85	8.5	33.44	8.2	25.0	1.82
F29	02 Aug 2021	16	13.60	82.62	8.4	33.42	8.1	25.1	2.63
F29	02 Aug 2021	17	13.51	81.64	8.4	33.41	8.1	25.1	3.06
F29	02 Aug 2021	18	13.39	82.41	8.4	33.40	8.1	25.1	3.83
F29	02 Aug 2021	19	13.32	80.60	8.4	33.43	8.1	25.1	3.95
F29	02 Aug 2021	20	13.13	78.62	8.5	33.47	8.1	25.2	4.81
F29	02 Aug 2021	21	12.95	77.50	8.4	33.51	8.1	25.2	5.88
F29	02 Aug 2021	22	12.75	75.73	8.0	33.54	8.1	25.3	6.83
F29	02 Aug 2021	23	12.66	76.28	7.5	33.55	8.1	25.3	7.75
F29	02 Aug 2021	24	12.37	78.52	7.0	33.59	8.1	25.4	7.34
F29	02 Aug 2021	25	12.13	84.08	6.5	33.58	8.0	25.5	5.92
F29	02 Aug 2021	26	12.10	85.45	6.2	33.58	8.0	25.5	4.60
F29	02 Aug 2021	27	11.96	86.38	6.0	33.60	8.0	25.5	3.16
F29	02 Aug 2021	28	11.86	87.40	5.9	33.61	8.0	25.5	2.79
F29	02 Aug 2021	29	11.73	87.79	5.7	33.63	8.0	25.6	1.91
F29	02 Aug 2021	30	11.66	88.27	5.5	33.65	7.9	25.6	1.50
F29	02 Aug 2021	31	11.60	88.26	5.3	33.66	7.9	25.6	1.32
F29	02 Aug 2021	32	11.55	88.39	5.3	33.67	7.9	25.6	1.20
F29	02 Aug 2021	33	11.55	88.44	5.2	33.67	7.9	25.6	1.08
F29	02 Aug 2021	34	11.52	88.29	5.2	33.67	7.9	25.6	1.04
F29	02 Aug 2021	35	11.46	88.24	5.2	33.69	7.9	25.7	1.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F29	02 Aug 2021	36	11.43	88.40	5.1	33.69	7.9	25.7	1.02
F29	02 Aug 2021	37	11.42	88.43	5.1	33.69	7.9	25.7	0.98
F29	02 Aug 2021	38	11.40	88.52	5.1	33.70	7.9	25.7	0.92
F29	02 Aug 2021	39	11.38	88.56	5.0	33.70	7.9	25.7	0.94
F29	02 Aug 2021	40	11.38	88.49	5.0	33.70	7.9	25.7	0.92
F29	02 Aug 2021	41	11.36	88.61	5.0	33.70	7.9	25.7	0.90
F29	02 Aug 2021	42	11.32	88.67	4.9	33.71	7.9	25.7	0.86
F29	02 Aug 2021	43	11.28	88.82	4.9	33.72	7.9	25.7	0.84
F29	02 Aug 2021	44	11.26	88.90	4.9	33.72	7.9	25.7	0.81
F29	02 Aug 2021	45	11.24	88.99	4.9	33.72	7.9	25.7	0.73
F29	02 Aug 2021	46	11.22	89.04	4.9	33.72	7.9	25.7	0.95
F29	02 Aug 2021	47	11.20	89.08	4.9	33.73	7.9	25.7	0.68
F29	02 Aug 2021	48	11.19	89.08	4.8	33.73	7.9	25.8	0.61
F29	02 Aug 2021	49	11.18	88.90	4.8	33.74	7.9	25.8	0.60
F29	02 Aug 2021	50	11.17	89.04	4.8	33.74	7.9	25.8	0.59
F29	02 Aug 2021	51	11.16	89.06	4.7	33.74	7.9	25.8	0.55
F29	02 Aug 2021	52	11.15	89.04	4.7	33.74	7.9	25.8	0.57
F29	02 Aug 2021	53	11.15	89.06	4.7	33.75	7.9	25.8	0.54
F29	02 Aug 2021	54	11.13	89.03	4.7	33.75	7.9	25.8	0.51
F29	02 Aug 2021	55	11.11	88.95	4.7	33.75	7.9	25.8	0.52
F29	02 Aug 2021	56	11.08	88.89	4.7	33.75	7.9	25.8	0.51
F29	02 Aug 2021	57	11.07	88.93	4.6	33.75	7.9	25.8	0.51
F29	02 Aug 2021	58	11.06	88.97	4.6	33.75	7.9	25.8	0.49
F29	02 Aug 2021	59	11.06	88.95	4.6	33.76	7.9	25.8	0.50
F29	02 Aug 2021	60	11.03	88.95	4.6	33.77	7.8	25.8	0.47
F29	02 Aug 2021	61	11.01	89.03	4.5	33.78	7.8	25.8	0.46
F29	02 Aug 2021	62	11.01	88.96	4.5	33.78	7.8	25.8	0.44
F29	02 Aug 2021	63	11.01	88.96	4.4	33.79	7.8	25.8	0.40
F29	02 Aug 2021	64	11.00	88.92	4.4	33.79	7.8	25.8	0.40
F29	02 Aug 2021	65	11.00	88.94	4.3	33.80	7.8	25.8	0.37
F29	02 Aug 2021	66	11.00	89.00	4.4	33.80	7.8	25.8	0.35
F29	02 Aug 2021	67	11.01	88.96	4.4	33.80	7.8	25.8	0.36
F29	02 Aug 2021	68	11.00	88.99	4.3	33.80	7.8	25.8	0.36
F29	02 Aug 2021	69	11.00	88.90	4.3	33.80	7.8	25.8	0.35
F29	02 Aug 2021	70	10.99	88.22	4.3	33.80	7.8	25.8	0.34
F29	02 Aug 2021	71	10.99	88.63	4.3	33.81	7.8	25.8	0.34
F29	02 Aug 2021	72	10.98	88.49	4.3	33.81	7.8	25.9	0.35
F29	02 Aug 2021	73	10.98	88.33	4.3	33.81	7.8	25.9	0.34
F29	02 Aug 2021	74	10.97	88.00	4.2	33.81	7.8	25.9	0.33
F29	02 Aug 2021	75	10.96	87.88	4.2	33.81	7.8	25.9	0.31
F29	02 Aug 2021	76	10.94	87.63	4.2	33.81	7.8	25.9	0.31
F29	02 Aug 2021	77	10.93	87.36	4.2	33.82	7.8	25.9	0.31
F29	02 Aug 2021	78	10.89	87.12	4.1	33.82	7.8	25.9	0.30
F29	02 Aug 2021	79	10.87	86.85	4.0	33.83	7.8	25.9	0.29
F29	02 Aug 2021	80	10.85	86.79	4.0	33.83	7.8	25.9	0.27
F29	02 Aug 2021	81	10.82	86.69	4.0	33.84	7.8	25.9	0.25
F29	02 Aug 2021	82	10.81	86.68	3.9	33.84	7.8	25.9	0.23
F29	02 Aug 2021	83	10.79	86.76	3.9	33.85	7.8	25.9	0.23
F29	02 Aug 2021	84	10.77	86.83	3.9	33.85	7.8	25.9	0.24
F29	02 Aug 2021	85	10.75	87.01	3.8	33.86	7.8	25.9	0.21
F29	02 Aug 2021	86	10.74	87.28	3.8	33.86	7.8	25.9	0.21
F29	02 Aug 2021	87	10.73	87.39	3.8	33.86	7.8	25.9	0.20
F29	02 Aug 2021	88	10.70	87.55	3.8	33.87	7.8	25.9	0.20
F29	02 Aug 2021	89	10.68	87.69	3.8	33.87	7.8	26.0	0.19
F29	02 Aug 2021	90	10.65	87.78	3.7	33.88	7.8	26.0	0.20
F29	02 Aug 2021	91	10.59	88.03	3.7	33.89	7.8	26.0	0.18
F29	02 Aug 2021	92	10.57	88.20	3.7	33.89	7.8	26.0	0.17
F29	02 Aug 2021	93	10.57	88.28	3.6	33.89	7.8	26.0	0.17
F29	02 Aug 2021	94	10.56	88.18	3.6	33.89	7.8	26.0	0.17
F29	02 Aug 2021	95	10.53	88.46	3.6	33.91	7.8	26.0	0.16
F29	02 Aug 2021	96	10.50	88.66	3.6	33.92	7.8	26.0	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F29	02 Aug 2021	97	10.47	88.63	3.6	33.92	7.8	26.0	0.17
F29	02 Aug 2021	98	10.42	88.42	3.6	33.94	7.8	26.1	0.16
F29	02 Aug 2021	99	10.40	88.15	3.6	33.94	7.8	26.1	0.16
F29	02 Aug 2021	100	10.40	88.01	3.6	33.94	7.8	26.1	0.15
F29	10 Aug 2021	1	19.35	75.06	10.1	33.54	8.3	23.8	0.88
F29	10 Aug 2021	2	19.31	78.03	10.1	33.54	8.3	23.8	0.90
F29	10 Aug 2021	3	19.14	78.67	10.1	33.55	8.3	23.9	0.89
F29	10 Aug 2021	4	19.10	78.53	10.1	33.54	8.3	23.9	0.92
F29	10 Aug 2021	5	19.07	78.15	10.1	33.54	8.3	23.9	1.01
F29	10 Aug 2021	6	18.96	78.06	10.1	33.56	8.2	23.9	1.15
F29	10 Aug 2021	7	18.68	77.73	10.1	33.57	8.2	24.0	1.42
F29	10 Aug 2021	8	18.44	77.11	10.1	33.57	8.2	24.1	1.72
F29	10 Aug 2021	9	17.97	75.68	10.2	33.60	8.2	24.2	1.88
F29	10 Aug 2021	10	17.58	74.98	10.3	33.58	8.2	24.3	2.33
F29	10 Aug 2021	11	16.83	74.89	10.3	33.68	8.2	24.5	2.81
F29	10 Aug 2021	12	15.57	75.08	10.3	33.64	8.2	24.8	3.38
F29	10 Aug 2021	13	15.10	75.10	10.3	33.58	8.2	24.9	3.64
F29	10 Aug 2021	14	14.67	75.91	10.0	33.59	8.2	25.0	3.86
F29	10 Aug 2021	15	14.30	77.74	9.6	33.54	8.2	25.0	4.06
F29	10 Aug 2021	16	14.15	78.35	9.3	33.52	8.2	25.0	4.16
F29	10 Aug 2021	17	13.97	78.48	9.2	33.51	8.2	25.0	4.17
F29	10 Aug 2021	18	13.71	78.91	9.2	33.51	8.1	25.1	4.07
F29	10 Aug 2021	19	13.56	79.50	9.2	33.48	8.1	25.1	4.26
F29	10 Aug 2021	20	13.47	79.82	9.0	33.49	8.1	25.1	4.21
F29	10 Aug 2021	21	13.32	79.54	8.8	33.49	8.1	25.2	4.28
F29	10 Aug 2021	22	13.29	80.19	8.7	33.49	8.1	25.2	4.38
F29	10 Aug 2021	23	13.20	80.76	8.6	33.50	8.1	25.2	4.31
F29	10 Aug 2021	24	13.01	81.16	8.4	33.52	8.1	25.2	4.57
F29	10 Aug 2021	25	12.86	81.19	8.1	33.52	8.1	25.3	4.42
F29	10 Aug 2021	26	12.74	80.75	7.8	33.52	8.0	25.3	4.18
F29	10 Aug 2021	27	12.71	81.00	7.5	33.52	8.0	25.3	4.22
F29	10 Aug 2021	28	12.69	81.47	7.4	33.52	8.0	25.3	4.33
F29	10 Aug 2021	29	12.64	81.63	7.3	33.53	8.0	25.3	4.19
F29	10 Aug 2021	30	12.62	81.92	7.2	33.53	8.0	25.3	4.17
F29	10 Aug 2021	31	12.49	82.19	7.1	33.56	8.0	25.4	4.17
F29	10 Aug 2021	32	12.36	83.56	6.9	33.57	8.0	25.4	3.88
F29	10 Aug 2021	33	12.18	84.42	6.6	33.59	8.0	25.5	4.09
F29	10 Aug 2021	34	12.03	85.61	6.4	33.59	7.9	25.5	3.66
F29	10 Aug 2021	35	11.97	86.41	6.1	33.59	7.9	25.5	3.65
F29	10 Aug 2021	36	11.90	86.78	5.9	33.62	7.9	25.5	3.08
F29	10 Aug 2021	37	11.85	86.51	5.7	33.65	7.9	25.6	2.54
F29	10 Aug 2021	38	11.82	86.57	5.4	33.66	7.9	25.6	2.46
F29	10 Aug 2021	39	11.77	86.71	5.2	33.66	7.9	25.6	2.14
F29	10 Aug 2021	40	11.67	87.00	5.2	33.68	7.9	25.6	2.12
F29	10 Aug 2021	41	11.60	87.12	5.2	33.67	7.8	25.6	2.00
F29	10 Aug 2021	42	11.60	87.12	5.1	33.67	7.8	25.6	1.85
F29	10 Aug 2021	43	11.59	87.26	5.1	33.67	7.8	25.6	1.50
F29	10 Aug 2021	44	11.59	87.32	5.1	33.66	7.8	25.6	1.33
F29	10 Aug 2021	45	11.58	87.31	5.1	33.66	7.8	25.6	1.22
F29	10 Aug 2021	46	11.58	87.27	5.1	33.66	7.8	25.6	1.13
F29	10 Aug 2021	47	11.58	87.21	5.1	33.66	7.8	25.6	1.11
F29	10 Aug 2021	48	11.58	87.22	5.1	33.66	7.8	25.6	1.10
F29	10 Aug 2021	49	11.56	87.28	5.1	33.66	7.8	25.6	1.39
F29	10 Aug 2021	50	11.55	87.44	5.1	33.66	7.8	25.6	1.49
F29	10 Aug 2021	51	11.53	87.49	5.1	33.66	7.8	25.6	1.54
F29	10 Aug 2021	52	11.50	85.63	5.1	33.66	7.8	25.6	1.55
F29	10 Aug 2021	53	11.45	85.79	5.1	33.67	7.8	25.7	1.19
F29	10 Aug 2021	54	11.41	85.78	5.1	33.67	7.8	25.7	1.16
F29	10 Aug 2021	55	11.39	87.59	5.1	33.67	7.8	25.7	1.28
F29	10 Aug 2021	56	11.36	87.66	5.1	33.67	7.8	25.7	1.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	10 Aug 2021	57	11.33	88.09	5.0	33.68	7.8	25.7	1.02
F29	10 Aug 2021	58	11.28	88.28	5.0	33.70	7.8	25.7	0.96
F29	10 Aug 2021	59	11.25	88.48	5.0	33.70	7.8	25.7	1.00
F29	10 Aug 2021	60	11.21	88.31	4.9	33.72	7.8	25.7	0.92
F29	10 Aug 2021	61	11.18	88.43	4.8	33.72	7.8	25.7	0.90
F29	10 Aug 2021	62	11.18	88.36	4.8	33.72	7.8	25.7	0.84
F29	10 Aug 2021	63	11.17	88.50	4.7	33.72	7.8	25.7	0.77
F29	10 Aug 2021	64	11.15	87.74	4.6	33.72	7.8	25.8	0.71
F29	10 Aug 2021	65	11.13	86.51	4.5	33.72	7.8	25.8	0.70
F29	10 Aug 2021	66	11.10	85.95	4.3	33.72	7.8	25.8	0.62
F29	10 Aug 2021	67	11.09	86.00	4.2	33.72	7.8	25.8	0.63
F29	10 Aug 2021	68	11.07	85.51	4.1	33.72	7.8	25.8	0.56
F29	10 Aug 2021	69	11.07	85.52	4.1	33.72	7.8	25.8	0.69
F29	10 Aug 2021	70	11.09	86.09	4.2	33.73	7.8	25.8	0.47
F29	10 Aug 2021	71	11.10	87.15	4.3	33.73	7.8	25.8	0.43
F29	10 Aug 2021	72	11.12	87.42	4.4	33.73	7.8	25.8	0.41
F29	10 Aug 2021	73	11.12	88.43	4.4	33.74	7.8	25.8	0.41
F29	10 Aug 2021	74	11.07	87.64	4.4	33.76	7.8	25.8	0.42
F29	10 Aug 2021	75	11.05	86.81	4.3	33.76	7.8	25.8	0.49
F29	10 Aug 2021	76	11.06	87.35	4.3	33.77	7.8	25.8	0.42
F29	10 Aug 2021	77	11.07	88.31	4.3	33.77	7.8	25.8	0.44
F29	10 Aug 2021	78	11.07	88.64	4.3	33.77	7.8	25.8	0.43
F29	10 Aug 2021	79	11.06	88.73	4.4	33.78	7.8	25.8	0.41
F29	10 Aug 2021	80	11.05	88.47	4.4	33.78	7.8	25.8	0.50
F29	10 Aug 2021	81	11.05	88.28	4.3	33.78	7.8	25.8	0.45
F29	10 Aug 2021	82	11.04	88.17	4.3	33.79	7.8	25.8	0.44
F29	10 Aug 2021	83	11.04	88.08	4.3	33.79	7.8	25.8	0.56
F29	10 Aug 2021	84	11.04	88.17	4.2	33.79	7.8	25.8	0.45
F29	10 Aug 2021	85	11.04	88.18	4.2	33.79	7.8	25.8	0.43
F29	10 Aug 2021	86	11.03	88.25	4.2	33.80	7.8	25.8	0.48
F29	10 Aug 2021	87	10.97	88.11	4.2	33.83	7.8	25.9	0.45
F29	10 Aug 2021	88	10.88	88.12	4.1	33.85	7.8	25.9	0.42
F29	10 Aug 2021	89	10.87	88.42	4.0	33.85	7.8	25.9	0.47
F29	10 Aug 2021	90	10.85	88.29	4.0	33.86	7.7	25.9	0.42
F29	10 Aug 2021	91	10.84	87.84	3.9	33.86	7.7	25.9	0.41
F29	10 Aug 2021	92	10.83	88.29	3.9	33.87	7.7	25.9	0.36
F29	10 Aug 2021	93	10.83	88.43	3.8	33.87	7.7	25.9	0.39
F29	10 Aug 2021	94	10.82	88.30	3.8	33.88	7.7	25.9	0.36
F29	10 Aug 2021	95	10.82	88.31	3.8	33.88	7.7	25.9	0.33
F29	10 Aug 2021	96	10.82	88.27	3.8	33.88	7.7	25.9	0.40
F29	10 Aug 2021	97	10.82	88.15	3.8	33.88	7.7	25.9	0.34
F29	10 Aug 2021	98	10.82	88.32	3.8	33.88	7.7	25.9	0.32
F29	10 Aug 2021	99	10.81	88.09	3.8	33.88	7.7	25.9	0.33
F29	10 Aug 2021	100	10.81	87.59	3.8	33.88	7.7	25.9	0.33
F29	17 Aug 2021	1	22.26	84.47	7.7	33.56	8.2	23.1	0.68
F29	17 Aug 2021	2	22.12	84.46	7.7	33.60	8.2	23.1	0.69
F29	17 Aug 2021	3	20.90	84.42	8.0	33.69	8.2	23.5	0.70
F29	17 Aug 2021	4	19.98	84.08	8.3	33.63	8.2	23.7	0.72
F29	17 Aug 2021	5	18.55	83.92	8.7	33.70	8.2	24.1	0.80
F29	17 Aug 2021	6	17.58	83.94	9.0	33.57	8.2	24.3	0.75
F29	17 Aug 2021	7	17.47	84.47	9.0	33.51	8.2	24.3	0.76
F29	17 Aug 2021	8	17.15	84.71	8.9	33.55	8.2	24.4	0.78
F29	17 Aug 2021	9	16.43	84.96	9.0	33.56	8.2	24.5	0.97
F29	17 Aug 2021	10	15.93	85.30	8.9	33.54	8.1	24.6	0.81
F29	17 Aug 2021	11	15.57	85.59	8.8	33.52	8.1	24.7	0.87
F29	17 Aug 2021	12	14.99	86.20	8.7	33.53	8.1	24.8	0.87
F29	17 Aug 2021	13	14.56	86.51	8.6	33.49	8.1	24.9	0.94
F29	17 Aug 2021	14	14.21	86.83	8.5	33.49	8.1	25.0	0.92
F29	17 Aug 2021	15	13.88	87.11	8.5	33.46	8.1	25.0	0.92
F29	17 Aug 2021	16	13.82	86.88	8.4	33.44	8.1	25.0	1.03

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F29	17 Aug 2021	17	13.38	86.89	8.2	33.49	8.1	25.1	1.27
F29	17 Aug 2021	18	13.22	87.37	7.9	33.45	8.1	25.1	1.48
F29	17 Aug 2021	19	13.11	87.65	7.8	33.45	8.0	25.2	1.50
F29	17 Aug 2021	20	13.04	87.91	7.7	33.44	8.0	25.2	1.47
F29	17 Aug 2021	21	12.96	87.92	7.6	33.45	8.0	25.2	1.72
F29	17 Aug 2021	22	12.90	87.95	7.5	33.44	8.0	25.2	1.43
F29	17 Aug 2021	23	12.84	88.08	7.4	33.45	8.0	25.2	1.31
F29	17 Aug 2021	24	12.75	88.14	7.3	33.46	8.0	25.2	1.36
F29	17 Aug 2021	25	12.64	88.25	7.2	33.46	8.0	25.3	1.36
F29	17 Aug 2021	26	12.54	88.43	7.2	33.47	8.0	25.3	1.25
F29	17 Aug 2021	27	12.48	88.53	7.1	33.46	8.0	25.3	1.21
F29	17 Aug 2021	28	12.38	88.52	7.1	33.47	8.0	25.3	1.24
F29	17 Aug 2021	29	12.34	88.63	7.1	33.47	8.0	25.3	1.17
F29	17 Aug 2021	30	12.31	88.51	7.0	33.47	8.0	25.3	1.12
F29	17 Aug 2021	31	12.32	88.46	7.0	33.47	8.0	25.3	1.11
F29	17 Aug 2021	32	12.28	88.36	6.9	33.48	8.0	25.4	1.20
F29	17 Aug 2021	33	12.23	88.29	6.9	33.48	7.9	25.4	1.23
F29	17 Aug 2021	34	12.21	88.32	6.8	33.48	7.9	25.4	1.33
F29	17 Aug 2021	35	12.16	88.31	6.8	33.49	7.9	25.4	1.30
F29	17 Aug 2021	36	12.06	88.47	6.7	33.50	7.9	25.4	1.34
F29	17 Aug 2021	37	12.00	88.69	6.6	33.50	7.9	25.4	1.38
F29	17 Aug 2021	38	11.95	88.76	6.5	33.51	7.9	25.4	1.27
F29	17 Aug 2021	39	11.90	88.80	6.4	33.53	7.9	25.5	1.17
F29	17 Aug 2021	40	11.86	88.69	6.2	33.54	7.9	25.5	1.16
F29	17 Aug 2021	41	11.77	88.71	6.2	33.55	7.9	25.5	1.16
F29	17 Aug 2021	42	11.69	88.84	6.1	33.55	7.9	25.5	1.16
F29	17 Aug 2021	43	11.62	88.97	6.1	33.54	7.9	25.5	1.10
F29	17 Aug 2021	44	11.60	89.05	6.1	33.54	7.9	25.5	1.04
F29	17 Aug 2021	45	11.60	89.11	6.1	33.54	7.9	25.5	0.92
F29	17 Aug 2021	46	11.60	89.12	6.0	33.55	7.9	25.5	0.90
F29	17 Aug 2021	47	11.60	89.12	5.9	33.56	7.9	25.5	0.90
F29	17 Aug 2021	48	11.61	89.06	5.8	33.56	7.9	25.5	0.85
F29	17 Aug 2021	49	11.55	89.07	5.7	33.59	7.8	25.6	0.86
F29	17 Aug 2021	50	11.48	89.10	5.7	33.59	7.8	25.6	0.87
F29	17 Aug 2021	51	11.40	89.03	5.7	33.59	7.8	25.6	0.91
F29	17 Aug 2021	52	11.39	89.20	5.7	33.59	7.8	25.6	0.76
F29	17 Aug 2021	53	11.39	89.27	5.7	33.58	7.8	25.6	0.78
F29	17 Aug 2021	54	11.37	89.23	5.7	33.58	7.8	25.6	0.74
F29	17 Aug 2021	55	11.31	89.26	5.7	33.59	7.8	25.6	0.87
F29	17 Aug 2021	56	11.27	89.30	5.8	33.58	7.8	25.6	0.74
F29	17 Aug 2021	57	11.25	89.36	5.8	33.57	7.8	25.6	0.69
F29	17 Aug 2021	58	11.24	89.15	5.8	33.57	7.8	25.6	0.65
F29	17 Aug 2021	59	11.23	89.41	5.8	33.57	7.8	25.6	0.62
F29	17 Aug 2021	60	11.22	89.37	5.8	33.57	7.8	25.6	0.59
F29	17 Aug 2021	61	11.21	89.52	5.8	33.58	7.8	25.6	0.65
F29	17 Aug 2021	62	11.17	89.53	5.7	33.59	7.8	25.6	0.56
F29	17 Aug 2021	63	11.12	89.59	5.6	33.61	7.8	25.7	0.52
F29	17 Aug 2021	64	11.02	89.61	5.5	33.64	7.8	25.7	0.50
F29	17 Aug 2021	65	10.97	89.64	5.3	33.66	7.8	25.7	0.49
F29	17 Aug 2021	66	10.93	89.66	5.2	33.66	7.8	25.7	0.44
F29	17 Aug 2021	67	10.91	89.66	5.2	33.66	7.8	25.8	0.43
F29	17 Aug 2021	68	10.90	89.62	5.2	33.67	7.8	25.8	0.42
F29	17 Aug 2021	69	10.88	89.64	5.2	33.67	7.8	25.8	0.41
F29	17 Aug 2021	70	10.87	89.62	5.2	33.67	7.8	25.8	0.42
F29	17 Aug 2021	71	10.87	89.60	5.2	33.67	7.8	25.8	0.40
F29	17 Aug 2021	72	10.86	89.54	5.1	33.67	7.8	25.8	0.41
F29	17 Aug 2021	73	10.85	89.44	5.1	33.67	7.8	25.8	0.39
F29	17 Aug 2021	74	10.83	88.88	4.9	33.69	7.8	25.8	0.38
F29	17 Aug 2021	75	10.81	88.14	4.7	33.70	7.7	25.8	0.36
F29	17 Aug 2021	76	10.80	88.06	4.6	33.71	7.7	25.8	0.32
F29	17 Aug 2021	77	10.79	88.11	4.6	33.73	7.7	25.8	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	17 Aug 2021	78	10.78	88.12	4.5	33.74	7.7	25.8	0.30
F29	17 Aug 2021	79	10.76	88.01	4.4	33.76	7.7	25.9	0.29
F29	17 Aug 2021	80	10.76	87.99	4.3	33.78	7.7	25.9	0.28
F29	17 Aug 2021	81	10.77	88.40	4.3	33.79	7.7	25.9	0.26
F29	17 Aug 2021	82	10.77	88.79	4.3	33.79	7.7	25.9	0.27
F29	17 Aug 2021	83	10.77	88.94	4.4	33.79	7.7	25.9	0.27
F29	17 Aug 2021	84	10.77	88.99	4.4	33.79	7.7	25.9	0.28
F29	17 Aug 2021	85	10.77	89.02	4.3	33.79	7.7	25.9	0.33
F29	17 Aug 2021	86	10.78	89.08	4.3	33.80	7.7	25.9	0.30
F29	17 Aug 2021	87	10.78	89.10	4.3	33.80	7.7	25.9	0.29
F29	17 Aug 2021	88	10.78	89.19	4.3	33.80	7.7	25.9	0.28
F29	17 Aug 2021	89	10.78	89.25	4.3	33.80	7.7	25.9	0.30
F29	17 Aug 2021	90	10.78	89.36	4.3	33.81	7.7	25.9	0.28
F29	17 Aug 2021	91	10.76	89.43	4.3	33.82	7.7	25.9	0.30
F29	17 Aug 2021	92	10.75	89.34	4.3	33.82	7.7	25.9	0.30
F29	17 Aug 2021	93	10.75	89.29	4.2	33.82	7.7	25.9	0.29
F29	17 Aug 2021	94	10.74	89.24	4.2	33.83	7.7	25.9	0.29
F29	17 Aug 2021	95	10.73	89.19	4.2	33.83	7.7	25.9	0.30
F29	17 Aug 2021	96	10.73	89.14	4.2	33.83	7.7	25.9	0.27
F29	17 Aug 2021	97	10.71	89.02	4.2	33.85	7.7	25.9	0.28
F29	17 Aug 2021	98	10.71	88.64	4.1	33.85	7.7	25.9	0.27
F29	17 Aug 2021	99	10.71	88.29	4.0	33.86	7.7	25.9	0.26
F30	02 Aug 2021	1	17.46	84.59	8.7	33.48	8.2	24.2	0.60
F30	02 Aug 2021	2	17.44	84.51	8.7	33.48	8.2	24.2	0.66
F30	02 Aug 2021	3	17.25	81.37	8.8	33.51	8.2	24.3	0.70
F30	02 Aug 2021	4	16.43	84.14	8.9	33.56	8.2	24.5	0.75
F30	02 Aug 2021	5	15.71	84.78	8.8	33.53	8.2	24.7	0.80
F30	02 Aug 2021	6	14.86	85.46	8.7	33.50	8.2	24.8	0.71
F30	02 Aug 2021	7	14.63	86.39	8.6	33.45	8.2	24.9	0.66
F30	02 Aug 2021	8	14.22	86.20	8.6	33.46	8.2	25.0	0.69
F30	02 Aug 2021	9	14.19	86.14	8.6	33.44	8.1	24.9	0.78
F30	02 Aug 2021	10	14.20	86.21	8.6	33.43	8.1	24.9	0.97
F30	02 Aug 2021	11	14.17	86.23	8.6	33.44	8.1	24.9	0.98
F30	02 Aug 2021	12	14.14	86.22	8.6	33.44	8.1	24.9	1.12
F30	02 Aug 2021	13	14.11	85.96	8.5	33.44	8.1	25.0	1.12
F30	02 Aug 2021	14	13.86	84.73	8.5	33.46	8.1	25.0	1.38
F30	02 Aug 2021	15	13.76	83.16	8.4	33.44	8.1	25.0	2.04
F30	02 Aug 2021	16	13.43	82.91	8.2	33.45	8.1	25.1	2.80
F30	02 Aug 2021	17	13.16	82.92	8.1	33.44	8.1	25.2	3.56
F30	02 Aug 2021	18	13.09	81.62	8.2	33.45	8.1	25.2	3.54
F30	02 Aug 2021	19	13.08	79.42	8.4	33.47	8.1	25.2	4.59
F30	02 Aug 2021	20	12.89	77.32	8.2	33.53	8.1	25.3	5.81
F30	02 Aug 2021	21	12.74	76.34	7.8	33.54	8.1	25.3	6.24
F30	02 Aug 2021	22	12.69	76.95	7.5	33.54	8.1	25.3	6.69
F30	02 Aug 2021	23	12.49	78.60	7.2	33.56	8.1	25.4	6.76
F30	02 Aug 2021	24	12.38	80.14	6.9	33.56	8.0	25.4	6.20
F30	02 Aug 2021	25	12.33	82.79	6.7	33.55	8.0	25.4	5.45
F30	02 Aug 2021	26	12.22	83.61	6.5	33.58	8.0	25.4	4.58
F30	02 Aug 2021	27	12.08	84.78	6.3	33.59	8.0	25.5	4.18
F30	02 Aug 2021	28	12.02	86.00	6.2	33.59	8.0	25.5	3.53
F30	02 Aug 2021	29	11.97	86.90	6.1	33.58	8.0	25.5	2.61
F30	02 Aug 2021	30	11.96	87.27	6.0	33.59	8.0	25.5	2.15
F30	02 Aug 2021	31	11.90	87.19	5.9	33.61	8.0	25.5	1.84
F30	02 Aug 2021	32	11.85	87.32	5.8	33.62	7.9	25.5	1.77
F30	02 Aug 2021	33	11.83	87.34	5.8	33.62	7.9	25.5	1.58
F30	02 Aug 2021	34	11.85	87.46	5.7	33.61	7.9	25.5	1.45
F30	02 Aug 2021	35	11.79	87.52	5.7	33.63	7.9	25.6	1.48
F30	02 Aug 2021	36	11.74	87.53	5.6	33.64	7.9	25.6	1.56
F30	02 Aug 2021	37	11.61	87.89	5.4	33.67	7.9	25.6	1.45
F30	02 Aug 2021	38	11.42	88.34	5.2	33.71	7.9	25.7	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	02 Aug 2021	39	11.30	88.59	4.9	33.73	7.9	25.7	1.05
F30	02 Aug 2021	40	11.29	88.68	4.8	33.72	7.9	25.7	0.90
F30	02 Aug 2021	41	11.29	88.73	4.8	33.72	7.9	25.7	1.00
F30	02 Aug 2021	42	11.29	88.60	4.8	33.72	7.9	25.7	0.79
F30	02 Aug 2021	43	11.29	88.62	4.8	33.72	7.9	25.7	0.73
F30	02 Aug 2021	44	11.29	88.68	4.8	33.72	7.9	25.7	0.74
F30	02 Aug 2021	45	11.29	88.74	4.8	33.72	7.9	25.7	0.70
F30	02 Aug 2021	46	11.28	88.70	4.8	33.72	7.9	25.7	0.70
F30	02 Aug 2021	47	11.28	88.74	4.8	33.72	7.9	25.7	0.73
F30	02 Aug 2021	48	11.27	88.73	4.8	33.73	7.9	25.7	0.68
F30	02 Aug 2021	49	11.24	88.74	4.7	33.73	7.9	25.7	0.69
F30	02 Aug 2021	50	11.21	88.74	4.7	33.74	7.9	25.8	0.63
F30	02 Aug 2021	51	11.17	88.79	4.6	33.75	7.8	25.8	0.62
F30	02 Aug 2021	52	11.15	88.72	4.6	33.75	7.8	25.8	0.58
F30	02 Aug 2021	53	11.14	88.72	4.6	33.75	7.8	25.8	0.54
F30	02 Aug 2021	54	11.10	88.61	4.5	33.75	7.8	25.8	0.53
F30	02 Aug 2021	55	11.08	88.47	4.4	33.75	7.8	25.8	0.50
F30	02 Aug 2021	56	11.07	88.65	4.4	33.76	7.8	25.8	0.46
F30	02 Aug 2021	57	11.07	88.69	4.4	33.76	7.8	25.8	0.45
F30	02 Aug 2021	58	11.06	88.58	4.4	33.76	7.8	25.8	0.42
F30	02 Aug 2021	59	11.03	88.60	4.4	33.76	7.8	25.8	0.43
F30	02 Aug 2021	60	11.01	88.64	4.3	33.77	7.8	25.8	0.41
F30	02 Aug 2021	61	11.00	88.63	4.3	33.77	7.8	25.8	0.39
F30	02 Aug 2021	62	10.98	88.62	4.3	33.78	7.8	25.8	0.39
F30	02 Aug 2021	63	10.96	88.35	4.2	33.79	7.8	25.8	0.37
F30	02 Aug 2021	64	10.94	87.45	4.2	33.80	7.8	25.9	0.36
F30	02 Aug 2021	65	10.94	87.39	4.2	33.80	7.8	25.9	0.33
F30	02 Aug 2021	66	10.93	87.11	4.1	33.80	7.8	25.9	0.32
F30	02 Aug 2021	67	10.91	86.72	4.1	33.80	7.8	25.9	0.39
F30	02 Aug 2021	68	10.91	86.66	4.1	33.80	7.8	25.9	0.30
F30	02 Aug 2021	69	10.91	86.64	4.0	33.80	7.8	25.9	0.30
F30	02 Aug 2021	70	10.89	86.46	4.0	33.81	7.8	25.9	0.31
F30	02 Aug 2021	71	10.87	85.99	4.0	33.82	7.8	25.9	0.28
F30	02 Aug 2021	72	10.86	85.99	3.9	33.82	7.8	25.9	0.27
F30	02 Aug 2021	73	10.84	86.10	3.9	33.83	7.8	25.9	0.26
F30	02 Aug 2021	74	10.81	85.90	3.9	33.84	7.8	25.9	0.27
F30	02 Aug 2021	75	10.78	85.74	3.8	33.85	7.8	25.9	0.25
F30	02 Aug 2021	76	10.76	85.82	3.8	33.86	7.8	25.9	0.24
F30	02 Aug 2021	77	10.74	85.90	3.8	33.86	7.8	25.9	0.22
F30	02 Aug 2021	78	10.72	86.28	3.8	33.87	7.8	25.9	0.23
F30	02 Aug 2021	79	10.70	86.32	3.7	33.88	7.8	26.0	0.21
F30	02 Aug 2021	80	10.68	86.39	3.7	33.89	7.8	26.0	0.22
F30	02 Aug 2021	81	10.68	86.44	3.7	33.89	7.8	26.0	0.20
F30	02 Aug 2021	82	10.67	86.51	3.7	33.89	7.8	26.0	0.20
F30	02 Aug 2021	83	10.63	86.59	3.7	33.91	7.8	26.0	0.19
F30	02 Aug 2021	84	10.61	86.91	3.6	33.91	7.8	26.0	0.18
F30	02 Aug 2021	85	10.61	86.89	3.6	33.91	7.8	26.0	0.18
F30	02 Aug 2021	86	10.59	86.97	3.6	33.92	7.8	26.0	0.17
F30	02 Aug 2021	87	10.56	86.50	3.6	33.92	7.8	26.0	0.17
F30	02 Aug 2021	88	10.56	87.15	3.6	33.92	7.8	26.0	0.16
F30	02 Aug 2021	89	10.55	87.29	3.6	33.92	7.8	26.0	0.16
F30	02 Aug 2021	90	10.50	87.67	3.5	33.96	7.8	26.1	0.17
F30	02 Aug 2021	91	10.45	88.70	3.4	33.98	7.8	26.1	0.17
F30	02 Aug 2021	92	10.41	88.93	3.4	33.99	7.8	26.1	0.15
F30	02 Aug 2021	93	10.40	88.68	3.4	33.99	7.8	26.1	0.14
F30	02 Aug 2021	94	10.40	88.69	3.4	33.99	7.8	26.1	0.13
F30	02 Aug 2021	95	10.40	88.24	3.4	33.99	7.8	26.1	0.13
F30	02 Aug 2021	96	10.40	88.24	3.4	33.99	7.8	26.1	0.13
F30	02 Aug 2021	97	10.40	88.36	3.4	33.99	7.8	26.1	0.13
F30	02 Aug 2021	98	10.40	88.48	3.4	33.99	7.8	26.1	0.13
F30	02 Aug 2021	99	10.39	88.59	3.4	33.99	7.8	26.1	0.12

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	10 Aug 2021	1	18.72	77.57	9.6	33.54	8.2	24.0	1.23
F30	10 Aug 2021	2	18.76	77.65	9.5	33.54	8.2	24.0	1.18
F30	10 Aug 2021	3	18.72	77.72	9.6	33.54	8.2	24.0	1.19
F30	10 Aug 2021	4	18.69	77.35	9.6	33.55	8.2	24.0	1.21
F30	10 Aug 2021	5	18.36	76.61	9.6	33.59	8.2	24.1	1.24
F30	10 Aug 2021	6	17.83	75.56	9.7	33.64	8.2	24.3	1.43
F30	10 Aug 2021	7	17.37	75.54	9.9	33.56	8.2	24.3	1.77
F30	10 Aug 2021	8	17.24	76.14	10.0	33.55	8.2	24.3	2.08
F30	10 Aug 2021	9	16.93	76.43	10.1	33.59	8.2	24.5	2.33
F30	10 Aug 2021	10	16.41	76.50	10.1	33.58	8.2	24.6	2.47
F30	10 Aug 2021	11	16.16	76.85	10.1	33.55	8.2	24.6	2.66
F30	10 Aug 2021	12	15.76	76.93	10.0	33.59	8.2	24.7	2.89
F30	10 Aug 2021	13	15.26	76.99	9.9	33.57	8.2	24.8	3.14
F30	10 Aug 2021	14	15.00	77.16	9.9	33.53	8.2	24.8	3.20
F30	10 Aug 2021	15	14.84	77.19	10.0	33.52	8.2	24.9	3.47
F30	10 Aug 2021	16	14.68	77.68	10.0	33.51	8.2	24.9	3.48
F30	10 Aug 2021	17	14.58	77.84	10.0	33.50	8.2	24.9	3.52
F30	10 Aug 2021	18	14.47	78.11	9.9	33.50	8.2	24.9	3.64
F30	10 Aug 2021	19	14.24	78.67	9.9	33.51	8.2	25.0	3.72
F30	10 Aug 2021	20	14.02	79.09	9.8	33.52	8.2	25.0	3.64
F30	10 Aug 2021	21	13.73	79.41	9.5	33.53	8.2	25.1	3.54
F30	10 Aug 2021	22	13.63	79.66	9.3	33.49	8.1	25.1	3.52
F30	10 Aug 2021	23	13.56	79.69	9.3	33.51	8.1	25.1	3.54
F30	10 Aug 2021	24	13.36	80.42	9.2	33.50	8.1	25.2	3.34
F30	10 Aug 2021	25	13.26	80.78	9.0	33.50	8.1	25.2	3.35
F30	10 Aug 2021	26	13.13	80.89	8.8	33.50	8.1	25.2	3.37
F30	10 Aug 2021	27	13.02	81.13	8.5	33.50	8.1	25.2	3.30
F30	10 Aug 2021	28	12.76	80.28	8.2	33.53	8.1	25.3	3.71
F30	10 Aug 2021	29	12.60	80.12	7.8	33.53	8.0	25.3	3.55
F30	10 Aug 2021	30	12.54	79.36	7.4	33.52	8.0	25.3	3.96
F30	10 Aug 2021	31	12.47	80.54	7.2	33.53	8.0	25.4	4.25
F30	10 Aug 2021	32	12.39	81.58	7.0	33.54	8.0	25.4	4.97
F30	10 Aug 2021	33	12.25	84.11	6.8	33.55	8.0	25.4	5.23
F30	10 Aug 2021	34	12.14	85.28	6.5	33.57	7.9	25.5	5.08
F30	10 Aug 2021	35	12.02	86.20	6.1	33.62	7.9	25.5	4.45
F30	10 Aug 2021	36	11.98	86.02	5.6	33.65	7.9	25.5	3.69
F30	10 Aug 2021	37	11.98	85.94	5.3	33.65	7.9	25.5	3.19
F30	10 Aug 2021	38	11.98	85.98	5.3	33.65	7.9	25.5	2.34
F30	10 Aug 2021	39	11.98	85.99	5.3	33.65	7.9	25.5	1.99
F30	10 Aug 2021	40	11.98	85.91	5.3	33.65	7.9	25.5	2.10
F30	10 Aug 2021	41	11.98	85.88	5.3	33.65	7.9	25.5	2.00
F30	10 Aug 2021	42	11.98	85.76	5.3	33.64	7.9	25.5	1.75
F30	10 Aug 2021	43	11.98	85.86	5.2	33.64	7.9	25.5	1.66
F30	10 Aug 2021	44	11.98	85.96	5.3	33.65	7.9	25.5	1.73
F30	10 Aug 2021	45	11.98	85.96	5.3	33.64	7.9	25.5	1.61
F30	10 Aug 2021	46	11.98	85.71	5.2	33.64	7.8	25.5	1.65
F30	10 Aug 2021	47	11.97	85.71	5.2	33.64	7.8	25.5	1.79
F30	10 Aug 2021	48	11.92	86.08	5.2	33.65	7.8	25.6	1.76
F30	10 Aug 2021	49	11.86	86.34	5.2	33.64	7.8	25.6	1.68
F30	10 Aug 2021	50	11.81	86.42	5.2	33.64	7.8	25.6	1.60
F30	10 Aug 2021	51	11.75	87.06	5.2	33.65	7.8	25.6	1.52
F30	10 Aug 2021	52	11.73	87.09	5.2	33.65	7.8	25.6	1.53
F30	10 Aug 2021	53	11.70	87.25	5.1	33.65	7.8	25.6	1.44
F30	10 Aug 2021	54	11.68	87.22	5.1	33.65	7.8	25.6	1.17
F30	10 Aug 2021	55	11.67	87.37	5.1	33.65	7.8	25.6	1.12
F30	10 Aug 2021	56	11.61	87.35	5.1	33.65	7.8	25.6	1.21
F30	10 Aug 2021	57	11.51	87.43	5.1	33.67	7.8	25.6	1.13
F30	10 Aug 2021	58	11.34	87.70	5.1	33.69	7.8	25.7	1.28
F30	10 Aug 2021	59	11.24	86.74	4.9	33.68	7.8	25.7	1.20
F30	10 Aug 2021	60	11.19	85.84	4.6	33.69	7.8	25.7	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	10 Aug 2021	61	11.16	85.43	4.4	33.69	7.8	25.7	1.01
F30	10 Aug 2021	62	11.10	84.99	4.3	33.70	7.8	25.7	0.83
F30	10 Aug 2021	63	11.05	84.48	4.2	33.72	7.8	25.8	0.69
F30	10 Aug 2021	64	11.04	84.07	4.2	33.72	7.8	25.8	0.58
F30	10 Aug 2021	65	11.04	84.31	4.1	33.72	7.8	25.8	0.54
F30	10 Aug 2021	66	11.04	84.36	4.1	33.71	7.8	25.8	0.49
F30	10 Aug 2021	67	11.04	84.37	4.1	33.72	7.8	25.8	0.45
F30	10 Aug 2021	68	11.03	84.39	4.1	33.71	7.8	25.8	0.44
F30	10 Aug 2021	69	11.04	84.40	4.1	33.71	7.8	25.8	0.41
F30	10 Aug 2021	70	11.04	84.28	4.1	33.71	7.8	25.8	0.41
F30	10 Aug 2021	71	11.04	84.28	4.1	33.72	7.8	25.8	0.43
F30	10 Aug 2021	72	11.05	84.85	4.1	33.72	7.8	25.8	0.42
F30	10 Aug 2021	73	11.05	85.10	4.2	33.72	7.8	25.8	0.40
F30	10 Aug 2021	74	11.06	85.31	4.2	33.72	7.8	25.8	0.40
F30	10 Aug 2021	75	11.07	85.69	4.2	33.72	7.8	25.8	0.41
F30	10 Aug 2021	76	11.07	86.17	4.2	33.72	7.8	25.8	0.39
F30	10 Aug 2021	77	11.07	86.14	4.3	33.72	7.8	25.8	0.37
F30	10 Aug 2021	78	11.06	86.07	4.2	33.73	7.8	25.8	0.41
F30	10 Aug 2021	79	11.04	85.60	4.2	33.73	7.8	25.8	0.40
F30	10 Aug 2021	80	11.03	85.15	4.2	33.73	7.8	25.8	0.41
F30	10 Aug 2021	81	11.01	84.65	4.1	33.73	7.8	25.8	0.42
F30	10 Aug 2021	82	11.00	84.14	4.0	33.73	7.7	25.8	0.39
F30	10 Aug 2021	83	11.00	84.27	4.0	33.73	7.7	25.8	0.42
F30	10 Aug 2021	84	10.99	84.13	4.0	33.73	7.7	25.8	0.38
F30	10 Aug 2021	85	10.98	84.16	4.0	33.73	7.7	25.8	0.39
F30	10 Aug 2021	86	10.96	84.09	3.9	33.74	7.7	25.8	0.39
F30	10 Aug 2021	87	10.96	84.14	3.9	33.75	7.7	25.8	0.40
F30	10 Aug 2021	88	10.97	84.76	4.0	33.75	7.7	25.8	0.38
F30	10 Aug 2021	89	10.99	86.12	4.0	33.76	7.7	25.8	0.38
F30	10 Aug 2021	90	11.01	87.25	4.1	33.78	7.8	25.8	0.37
F30	10 Aug 2021	91	11.00	88.09	4.2	33.80	7.8	25.8	0.38
F30	10 Aug 2021	92	10.98	88.41	4.2	33.81	7.8	25.9	0.37
F30	10 Aug 2021	93	10.95	88.72	4.1	33.83	7.8	25.9	0.36
F30	10 Aug 2021	94	10.95	88.68	4.1	33.83	7.8	25.9	0.36
F30	10 Aug 2021	95	10.92	88.76	4.0	33.84	7.8	25.9	0.36
F30	10 Aug 2021	96	10.90	88.87	4.0	33.85	7.7	25.9	0.40
F30	10 Aug 2021	97	10.87	88.55	3.9	33.86	7.7	25.9	0.43
F30	10 Aug 2021	98	10.85	88.41	3.8	33.87	7.7	25.9	0.45
F30	10 Aug 2021	99	10.83	88.09	3.8	33.88	7.7	25.9	0.42
F30	17 Aug 2021	1	22.17	82.90	7.7	33.56	8.2	23.1	0.77
F30	17 Aug 2021	2	21.51	81.36	7.8	33.68	8.2	23.4	0.75
F30	17 Aug 2021	3	19.10	83.61	8.4	33.64	8.2	24.0	0.81
F30	17 Aug 2021	4	18.33	84.53	8.6	33.51	8.1	24.1	0.73
F30	17 Aug 2021	5	17.85	84.95	8.7	33.52	8.1	24.2	0.74
F30	17 Aug 2021	6	17.42	84.70	8.8	33.51	8.2	24.3	0.75
F30	17 Aug 2021	7	16.70	84.81	8.8	33.54	8.1	24.5	0.77
F30	17 Aug 2021	8	15.95	85.18	8.8	33.53	8.1	24.6	0.80
F30	17 Aug 2021	9	15.49	86.60	8.8	33.48	8.1	24.7	0.79
F30	17 Aug 2021	10	15.08	87.42	8.7	33.46	8.1	24.8	0.71
F30	17 Aug 2021	11	14.45	87.71	8.6	33.47	8.1	24.9	0.69
F30	17 Aug 2021	12	13.78	87.37	8.4	33.46	8.1	25.0	0.73
F30	17 Aug 2021	13	13.43	87.16	8.2	33.44	8.1	25.1	0.99
F30	17 Aug 2021	14	13.17	87.56	7.9	33.44	8.1	25.1	1.28
F30	17 Aug 2021	15	12.99	87.93	7.7	33.43	8.0	25.2	1.35
F30	17 Aug 2021	16	12.89	87.95	7.5	33.41	8.0	25.2	1.30
F30	17 Aug 2021	17	12.87	87.97	7.4	33.42	8.0	25.2	1.40
F30	17 Aug 2021	18	12.73	88.20	7.4	33.43	8.0	25.2	1.31
F30	17 Aug 2021	19	12.69	88.24	7.4	33.42	8.0	25.2	1.42
F30	17 Aug 2021	20	12.68	88.33	7.4	33.42	8.0	25.2	1.18
F30	17 Aug 2021	21	12.63	88.34	7.4	33.42	8.0	25.2	1.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F30	17 Aug 2021	22	12.60	88.36	7.4	33.41	8.0	25.2	1.26
F30	17 Aug 2021	23	12.55	88.20	7.4	33.42	8.0	25.3	1.32
F30	17 Aug 2021	24	12.53	88.17	7.4	33.42	8.0	25.3	1.30
F30	17 Aug 2021	25	12.48	88.14	7.3	33.43	8.0	25.3	1.34
F30	17 Aug 2021	26	12.37	88.28	7.2	33.44	8.0	25.3	1.39
F30	17 Aug 2021	27	12.32	88.45	7.1	33.45	8.0	25.3	1.38
F30	17 Aug 2021	28	12.30	88.34	7.1	33.46	8.0	25.3	1.32
F30	17 Aug 2021	29	12.30	88.18	7.0	33.46	8.0	25.3	1.43
F30	17 Aug 2021	30	12.30	88.30	7.0	33.46	8.0	25.3	1.43
F30	17 Aug 2021	31	12.28	88.25	7.0	33.46	8.0	25.3	1.49
F30	17 Aug 2021	32	12.27	88.29	7.0	33.46	8.0	25.3	1.42
F30	17 Aug 2021	33	12.27	88.27	7.0	33.46	7.9	25.3	1.42
F30	17 Aug 2021	34	12.26	88.16	6.9	33.47	7.9	25.3	1.39
F30	17 Aug 2021	35	12.26	88.24	6.9	33.47	7.9	25.3	1.53
F30	17 Aug 2021	36	12.25	88.23	6.9	33.47	7.9	25.4	1.41
F30	17 Aug 2021	37	12.23	88.23	6.8	33.47	7.9	25.4	1.49
F30	17 Aug 2021	38	12.23	88.26	6.7	33.48	7.9	25.4	1.47
F30	17 Aug 2021	39	12.21	88.22	6.7	33.49	7.9	25.4	1.44
F30	17 Aug 2021	40	12.07	88.33	6.5	33.53	7.9	25.4	1.54
F30	17 Aug 2021	41	11.94	88.38	6.3	33.54	7.9	25.5	1.39
F30	17 Aug 2021	42	11.83	88.22	6.2	33.54	7.9	25.5	1.29
F30	17 Aug 2021	43	11.80	88.65	6.1	33.54	7.9	25.5	1.39
F30	17 Aug 2021	44	11.73	88.69	6.2	33.54	7.9	25.5	1.26
F30	17 Aug 2021	45	11.60	88.86	6.1	33.56	7.9	25.5	1.13
F30	17 Aug 2021	46	11.55	89.08	6.0	33.56	7.9	25.6	1.07
F30	17 Aug 2021	47	11.44	89.16	5.9	33.59	7.9	25.6	0.98
F30	17 Aug 2021	48	11.39	89.21	5.8	33.58	7.8	25.6	0.92
F30	17 Aug 2021	49	11.34	89.05	5.8	33.59	7.8	25.6	0.82
F30	17 Aug 2021	50	11.28	89.22	5.7	33.59	7.8	25.6	0.77
F30	17 Aug 2021	51	11.24	89.30	5.7	33.59	7.8	25.6	0.79
F30	17 Aug 2021	52	11.23	89.32	5.7	33.59	7.8	25.6	0.72
F30	17 Aug 2021	53	11.22	89.35	5.7	33.59	7.8	25.6	0.73
F30	17 Aug 2021	54	11.22	89.25	5.7	33.59	7.8	25.6	0.72
F30	17 Aug 2021	55	11.22	89.37	5.7	33.59	7.8	25.6	0.64
F30	17 Aug 2021	56	11.22	89.42	5.7	33.59	7.8	25.6	0.77
F30	17 Aug 2021	57	11.21	89.25	5.7	33.59	7.8	25.6	0.56
F30	17 Aug 2021	58	11.21	89.34	5.7	33.59	7.8	25.6	0.59
F30	17 Aug 2021	59	11.21	89.25	5.7	33.59	7.8	25.6	0.57
F30	17 Aug 2021	60	11.21	89.43	5.7	33.59	7.8	25.6	0.57
F30	17 Aug 2021	61	11.16	89.43	5.7	33.60	7.8	25.7	0.56
F30	17 Aug 2021	62	11.09	89.49	5.6	33.61	7.8	25.7	0.60
F30	17 Aug 2021	63	11.07	89.52	5.5	33.62	7.8	25.7	0.55
F30	17 Aug 2021	64	11.06	89.51	5.5	33.62	7.8	25.7	0.53
F30	17 Aug 2021	65	11.04	89.32	5.4	33.63	7.8	25.7	0.51
F30	17 Aug 2021	66	11.01	89.00	5.3	33.65	7.8	25.7	0.47
F30	17 Aug 2021	67	10.96	89.04	5.2	33.66	7.8	25.7	0.48
F30	17 Aug 2021	68	10.92	89.01	5.2	33.67	7.8	25.8	0.46
F30	17 Aug 2021	69	10.91	87.54	5.0	33.67	7.8	25.8	0.42
F30	17 Aug 2021	70	10.91	86.24	4.9	33.67	7.8	25.8	0.39
F30	17 Aug 2021	71	10.89	85.70	4.8	33.67	7.8	25.8	0.38
F30	17 Aug 2021	72	10.88	85.04	4.6	33.68	7.7	25.8	0.36
F30	17 Aug 2021	73	10.86	84.65	4.5	33.68	7.7	25.8	0.34
F30	17 Aug 2021	74	10.85	84.44	4.5	33.69	7.7	25.8	0.33
F30	17 Aug 2021	75	10.84	84.33	4.4	33.69	7.7	25.8	0.32
F30	17 Aug 2021	76	10.84	84.22	4.4	33.69	7.7	25.8	0.30
F30	17 Aug 2021	77	10.84	84.02	4.4	33.69	7.7	25.8	0.28
F30	17 Aug 2021	78	10.83	84.18	4.3	33.70	7.7	25.8	0.27
F30	17 Aug 2021	79	10.83	84.55	4.3	33.71	7.7	25.8	0.27
F30	17 Aug 2021	80	10.83	84.72	4.3	33.71	7.7	25.8	0.27
F30	17 Aug 2021	81	10.82	84.66	4.3	33.72	7.7	25.8	0.26
F30	17 Aug 2021	82	10.81	84.44	4.2	33.73	7.7	25.8	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	17 Aug 2021	83	10.79	84.79	4.2	33.76	7.7	25.8	0.28
F30	17 Aug 2021	84	10.78	85.19	4.2	33.77	7.7	25.9	0.26
F30	17 Aug 2021	85	10.77	85.61	4.1	33.78	7.7	25.9	0.25
F30	17 Aug 2021	86	10.77	85.81	4.1	33.78	7.7	25.9	0.23
F30	17 Aug 2021	87	10.76	86.08	4.1	33.79	7.7	25.9	0.23
F30	17 Aug 2021	88	10.76	86.21	4.1	33.80	7.7	25.9	0.22
F30	17 Aug 2021	89	10.75	86.39	4.1	33.80	7.7	25.9	0.23
F30	17 Aug 2021	90	10.75	86.71	4.1	33.80	7.7	25.9	0.23
F30	17 Aug 2021	91	10.76	86.91	4.1	33.81	7.7	25.9	0.23
F30	17 Aug 2021	92	10.78	87.37	4.1	33.81	7.7	25.9	0.23
F30	17 Aug 2021	93	10.79	87.86	4.1	33.82	7.7	25.9	0.22
F30	17 Aug 2021	94	10.80	88.36	4.1	33.83	7.7	25.9	0.23
F30	17 Aug 2021	95	10.82	89.00	4.1	33.84	7.7	25.9	0.24
F30	17 Aug 2021	96	10.82	89.21	4.1	33.85	7.7	25.9	0.24
F30	17 Aug 2021	97	10.80	89.35	4.0	33.87	7.7	25.9	0.26
F30	17 Aug 2021	98	10.79	89.22	4.0	33.87	7.7	25.9	0.26
F31	02 Aug 2021	1	17.23	83.23	8.8	33.46	8.2	24.3	0.69
F31	02 Aug 2021	2	17.05	83.48	8.8	33.48	8.2	24.3	0.70
F31	02 Aug 2021	3	16.68	84.29	8.6	33.50	8.2	24.4	0.75
F31	02 Aug 2021	4	15.41	84.32	8.6	33.55	8.2	24.8	0.74
F31	02 Aug 2021	5	14.70	85.60	8.6	33.47	8.1	24.9	0.66
F31	02 Aug 2021	6	14.26	86.24	8.6	33.44	8.1	24.9	0.67
F31	02 Aug 2021	7	14.17	86.16	8.6	33.42	8.1	24.9	0.80
F31	02 Aug 2021	8	14.17	85.89	8.6	33.42	8.1	24.9	0.92
F31	02 Aug 2021	9	14.15	86.06	8.6	33.43	8.1	24.9	1.10
F31	02 Aug 2021	10	14.07	85.23	8.5	33.44	8.1	25.0	1.18
F31	02 Aug 2021	11	13.70	83.47	8.4	33.44	8.1	25.0	1.70
F31	02 Aug 2021	12	13.51	83.06	8.3	33.44	8.1	25.1	2.22
F31	02 Aug 2021	13	13.30	83.20	8.0	33.43	8.1	25.1	2.90
F31	02 Aug 2021	14	13.14	83.29	7.8	33.43	8.1	25.1	3.59
F31	02 Aug 2021	15	13.02	83.56	7.8	33.43	8.1	25.2	3.59
F31	02 Aug 2021	16	12.91	82.82	7.8	33.47	8.1	25.2	3.75
F31	02 Aug 2021	17	12.80	79.80	7.8	33.51	8.1	25.3	4.15
F31	02 Aug 2021	18	12.73	79.19	7.6	33.51	8.0	25.3	4.96
F31	02 Aug 2021	19	12.67	79.47	7.5	33.52	8.0	25.3	5.51
F31	02 Aug 2021	20	12.65	79.89	7.3	33.52	8.0	25.3	5.65
F31	02 Aug 2021	21	12.45	80.23	7.1	33.56	8.0	25.4	5.59
F31	02 Aug 2021	22	12.12	83.23	6.6	33.56	8.0	25.4	5.47
F31	02 Aug 2021	23	11.98	86.76	6.2	33.58	8.0	25.5	4.78
F31	02 Aug 2021	24	11.91	87.63	6.1	33.59	7.9	25.5	4.38
F31	02 Aug 2021	25	11.89	87.72	6.0	33.59	7.9	25.5	3.16
F31	02 Aug 2021	26	11.86	87.86	5.9	33.60	7.9	25.5	2.40
F31	02 Aug 2021	27	11.84	88.02	5.9	33.61	7.9	25.5	2.00
F31	02 Aug 2021	28	11.76	88.02	5.8	33.63	7.9	25.6	1.76
F31	02 Aug 2021	29	11.67	88.01	5.6	33.65	7.9	25.6	1.55
F31	02 Aug 2021	30	11.64	88.25	5.5	33.66	7.9	25.6	1.32
F31	02 Aug 2021	31	11.65	88.26	5.4	33.66	7.9	25.6	1.12
F31	02 Aug 2021	32	11.62	88.21	5.4	33.66	7.9	25.6	1.03
F31	02 Aug 2021	33	11.61	88.23	5.3	33.65	7.9	25.6	0.97
F31	02 Aug 2021	34	11.56	88.34	5.3	33.66	7.9	25.6	0.99
F31	02 Aug 2021	35	11.52	88.41	5.2	33.67	7.9	25.6	0.96
F31	02 Aug 2021	36	11.50	88.44	5.2	33.67	7.9	25.7	0.85
F31	02 Aug 2021	37	11.47	88.36	5.1	33.68	7.9	25.7	0.87
F31	02 Aug 2021	38	11.46	88.45	5.1	33.68	7.9	25.7	0.93
F31	02 Aug 2021	39	11.46	88.51	5.1	33.68	7.9	25.7	0.83
F31	02 Aug 2021	40	11.43	88.43	5.0	33.68	7.9	25.7	0.81
F31	02 Aug 2021	41	11.43	88.37	5.0	33.68	7.8	25.7	0.82
F31	02 Aug 2021	42	11.43	88.41	5.0	33.68	7.8	25.7	0.82
F31	02 Aug 2021	43	11.42	88.36	5.0	33.69	7.8	25.7	0.94
F31	02 Aug 2021	44	11.37	88.38	4.9	33.70	7.8	25.7	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	02 Aug 2021	45	11.34	88.31	4.8	33.70	7.8	25.7	0.74
F31	02 Aug 2021	46	11.10	88.04	4.6	33.75	7.8	25.8	0.64
F31	02 Aug 2021	47	11.00	87.92	4.2	33.76	7.8	25.8	0.49
F31	02 Aug 2021	48	10.98	87.90	4.1	33.76	7.8	25.8	0.35
F31	02 Aug 2021	49	10.97	87.95	4.1	33.76	7.8	25.8	0.32
F31	02 Aug 2021	50	10.96	87.92	4.1	33.76	7.8	25.8	0.27
F31	02 Aug 2021	51	10.96	87.95	4.1	33.76	7.8	25.8	0.27
F31	02 Aug 2021	52	10.96	87.96	4.1	33.76	7.8	25.8	0.26
F31	02 Aug 2021	53	10.96	87.97	4.1	33.76	7.8	25.8	0.25
F31	02 Aug 2021	54	10.96	87.84	4.1	33.77	7.8	25.8	0.24
F31	02 Aug 2021	55	10.96	87.95	4.1	33.77	7.8	25.8	0.24
F31	02 Aug 2021	56	10.96	88.02	4.1	33.77	7.8	25.8	0.24
F31	02 Aug 2021	57	10.95	88.00	4.1	33.77	7.8	25.8	0.24
F31	02 Aug 2021	58	10.95	88.10	4.1	33.77	7.8	25.8	0.24
F31	02 Aug 2021	59	10.95	88.03	4.1	33.77	7.8	25.8	0.23
F31	02 Aug 2021	60	10.95	88.06	4.0	33.77	7.8	25.8	0.23
F31	02 Aug 2021	61	10.95	88.14	4.1	33.77	7.8	25.8	0.23
F31	02 Aug 2021	62	10.95	88.19	4.1	33.78	7.8	25.8	0.25
F31	02 Aug 2021	63	10.95	88.14	4.0	33.78	7.8	25.8	0.23
F31	02 Aug 2021	64	10.94	88.17	4.0	33.78	7.8	25.8	0.23
F31	02 Aug 2021	65	10.93	88.25	4.0	33.78	7.8	25.8	0.26
F31	02 Aug 2021	66	10.94	88.41	4.1	33.79	7.8	25.8	0.23
F31	02 Aug 2021	67	10.96	88.73	4.2	33.80	7.8	25.9	0.23
F31	02 Aug 2021	68	10.96	88.82	4.2	33.80	7.8	25.9	0.24
F31	02 Aug 2021	69	10.96	88.73	4.2	33.81	7.8	25.9	0.23
F31	02 Aug 2021	70	10.96	88.79	4.2	33.81	7.8	25.9	0.25
F31	02 Aug 2021	71	10.97	88.87	4.2	33.81	7.8	25.9	0.28
F31	02 Aug 2021	72	10.96	88.88	4.2	33.82	7.8	25.9	0.28
F31	02 Aug 2021	73	10.96	88.90	4.2	33.83	7.8	25.9	0.27
F31	02 Aug 2021	74	10.96	88.86	4.2	33.83	7.8	25.9	0.27
F31	02 Aug 2021	75	10.91	88.80	4.1	33.84	7.8	25.9	0.28
F31	02 Aug 2021	76	10.89	88.73	4.1	33.85	7.8	25.9	0.26
F31	02 Aug 2021	77	10.88	88.49	4.0	33.85	7.8	25.9	0.24
F31	02 Aug 2021	78	10.87	88.56	4.0	33.86	7.8	25.9	0.23
F31	02 Aug 2021	79	10.87	88.60	4.0	33.86	7.8	25.9	0.22
F31	02 Aug 2021	80	10.87	88.62	4.0	33.86	7.8	25.9	0.21
F31	02 Aug 2021	81	10.87	88.58	4.0	33.86	7.8	25.9	0.23
F31	02 Aug 2021	82	10.85	88.52	4.0	33.86	7.8	25.9	0.22
F31	02 Aug 2021	83	10.84	88.48	4.0	33.87	7.8	25.9	0.23
F31	02 Aug 2021	84	10.82	88.42	4.0	33.87	7.8	25.9	0.23
F31	02 Aug 2021	85	10.82	88.33	4.0	33.87	7.8	25.9	0.24
F31	02 Aug 2021	86	10.81	88.38	3.9	33.87	7.8	25.9	0.30
F31	02 Aug 2021	87	10.78	88.45	3.9	33.88	7.8	25.9	0.31
F31	02 Aug 2021	88	10.75	88.32	3.9	33.89	7.8	26.0	0.30
F31	02 Aug 2021	89	10.70	88.04	3.8	33.90	7.8	26.0	0.30
F31	02 Aug 2021	90	10.66	87.72	3.8	33.91	7.8	26.0	0.32
F31	02 Aug 2021	91	10.64	87.55	3.7	33.92	7.8	26.0	0.30
F31	02 Aug 2021	92	10.63	87.54	3.7	33.92	7.8	26.0	0.29
F31	02 Aug 2021	93	10.59	87.43	3.7	33.94	7.8	26.0	0.40
F31	02 Aug 2021	94	10.57	87.48	3.6	33.94	7.8	26.0	0.45
F31	02 Aug 2021	95	10.57	87.48	3.6	33.94	7.8	26.0	0.43
F31	02 Aug 2021	96	10.56	87.66	3.6	33.94	7.7	26.0	0.43
F31	02 Aug 2021	97	10.56	87.75	3.6	33.94	7.7	26.0	0.41
F31	02 Aug 2021	98	10.54	87.78	3.6	33.95	7.7	26.0	0.41
F31	02 Aug 2021	99	10.52	87.71	3.6	33.95	7.7	26.0	0.39
F31	10 Aug 2021	1	19.13	79.33	9.8	33.55	8.2	23.9	0.88
F31	10 Aug 2021	2	18.92	78.85	9.8	33.56	8.2	23.9	0.92
F31	10 Aug 2021	3	18.79	78.38	9.8	33.55	8.2	24.0	0.96
F31	10 Aug 2021	4	18.56	78.18	9.8	33.55	8.2	24.0	1.06
F31	10 Aug 2021	5	18.49	77.75	9.8	33.54	8.2	24.0	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	10 Aug 2021	6	18.47	77.33	9.7	33.54	8.2	24.0	1.40
F31	10 Aug 2021	7	18.39	76.90	9.7	33.54	8.2	24.1	1.69
F31	10 Aug 2021	8	18.34	76.51	9.7	33.54	8.2	24.1	2.08
F31	10 Aug 2021	9	18.19	76.00	9.7	33.55	8.2	24.1	2.54
F31	10 Aug 2021	10	18.09	75.89	9.8	33.54	8.2	24.1	3.02
F31	10 Aug 2021	11	18.06	75.63	9.8	33.53	8.2	24.1	3.61
F31	10 Aug 2021	12	17.88	75.65	9.7	33.56	8.2	24.2	3.79
F31	10 Aug 2021	13	17.52	75.70	9.6	33.59	8.2	24.3	3.93
F31	10 Aug 2021	14	16.66	75.96	9.4	33.66	8.2	24.6	4.05
F31	10 Aug 2021	15	15.99	75.98	9.3	33.64	8.2	24.7	4.03
F31	10 Aug 2021	16	15.39	75.92	9.1	33.62	8.1	24.8	4.18
F31	10 Aug 2021	17	15.12	75.72	8.8	33.58	8.1	24.8	4.08
F31	10 Aug 2021	18	14.99	75.71	8.8	33.57	8.1	24.9	4.05
F31	10 Aug 2021	19	14.67	75.43	8.9	33.60	8.1	25.0	4.42
F31	10 Aug 2021	20	14.52	75.28	8.9	33.55	8.1	25.0	4.30
F31	10 Aug 2021	21	14.37	75.53	8.9	33.56	8.1	25.0	4.48
F31	10 Aug 2021	22	14.21	76.15	8.5	33.58	8.1	25.0	4.54
F31	10 Aug 2021	23	14.00	76.40	8.2	33.59	8.1	25.1	4.57
F31	10 Aug 2021	24	13.83	76.05	8.0	33.58	8.1	25.1	4.94
F31	10 Aug 2021	25	13.75	76.05	7.9	33.58	8.1	25.1	4.56
F31	10 Aug 2021	26	13.66	76.16	7.6	33.59	8.0	25.2	4.54
F31	10 Aug 2021	27	13.53	76.81	7.3	33.60	8.0	25.2	4.47
F31	10 Aug 2021	28	13.45	77.41	7.0	33.60	8.0	25.2	4.46
F31	10 Aug 2021	29	13.29	77.98	6.8	33.61	8.0	25.3	4.46
F31	10 Aug 2021	30	12.99	78.59	6.6	33.65	8.0	25.3	4.61
F31	10 Aug 2021	31	12.71	78.78	6.5	33.62	8.0	25.4	4.78
F31	10 Aug 2021	32	12.59	80.40	6.4	33.63	7.9	25.4	4.99
F31	10 Aug 2021	33	12.51	82.01	6.1	33.63	7.9	25.4	5.21
F31	10 Aug 2021	34	12.46	82.99	5.9	33.64	7.9	25.4	5.01
F31	10 Aug 2021	35	12.45	83.29	5.8	33.64	7.9	25.4	4.79
F31	10 Aug 2021	36	12.43	83.60	5.7	33.64	7.9	25.5	4.50
F31	10 Aug 2021	37	12.41	83.98	5.7	33.64	7.9	25.5	4.07
F31	10 Aug 2021	38	12.40	84.07	5.6	33.64	7.9	25.5	3.52
F31	10 Aug 2021	39	12.39	84.26	5.6	33.64	7.9	25.5	3.18
F31	10 Aug 2021	40	12.38	84.33	5.6	33.65	7.9	25.5	2.84
F31	10 Aug 2021	41	12.36	84.61	5.5	33.64	7.9	25.5	2.65
F31	10 Aug 2021	42	12.36	84.72	5.5	33.64	7.9	25.5	2.53
F31	10 Aug 2021	43	12.35	84.75	5.5	33.64	7.9	25.5	2.39
F31	10 Aug 2021	44	12.35	84.97	5.5	33.64	7.9	25.5	2.29
F31	10 Aug 2021	45	12.33	84.82	5.5	33.64	7.9	25.5	2.27
F31	10 Aug 2021	46	12.27	85.11	5.5	33.65	7.9	25.5	2.20
F31	10 Aug 2021	47	12.21	85.44	5.5	33.64	7.9	25.5	2.12
F31	10 Aug 2021	48	12.18	85.54	5.4	33.64	7.9	25.5	2.10
F31	10 Aug 2021	49	12.14	85.41	5.4	33.63	7.9	25.5	2.24
F31	10 Aug 2021	50	12.10	85.86	5.5	33.63	7.9	25.5	2.15
F31	10 Aug 2021	51	11.97	86.30	5.5	33.63	7.9	25.5	2.06
F31	10 Aug 2021	52	11.93	86.70	5.5	33.62	7.9	25.5	2.02
F31	10 Aug 2021	53	11.91	86.75	5.4	33.62	7.9	25.5	1.93
F31	10 Aug 2021	54	11.90	86.65	5.4	33.62	7.9	25.5	1.67
F31	10 Aug 2021	55	11.82	86.54	5.4	33.64	7.9	25.6	1.50
F31	10 Aug 2021	56	11.75	86.99	5.3	33.64	7.9	25.6	1.46
F31	10 Aug 2021	57	11.69	87.14	5.3	33.65	7.8	25.6	1.36
F31	10 Aug 2021	58	11.66	87.12	5.3	33.64	7.8	25.6	1.18
F31	10 Aug 2021	59	11.65	87.33	5.2	33.64	7.8	25.6	1.31
F31	10 Aug 2021	60	11.64	87.42	5.2	33.64	7.8	25.6	1.12
F31	10 Aug 2021	61	11.58	87.53	5.2	33.65	7.8	25.6	1.05
F31	10 Aug 2021	62	11.46	87.78	5.1	33.66	7.8	25.7	1.03
F31	10 Aug 2021	63	11.39	87.69	5.1	33.67	7.8	25.7	1.10
F31	10 Aug 2021	64	11.27	87.16	4.9	33.69	7.8	25.7	0.99
F31	10 Aug 2021	65	11.22	86.25	4.7	33.67	7.8	25.7	0.99
F31	10 Aug 2021	66	11.21	86.24	4.5	33.68	7.8	25.7	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	10 Aug 2021	67	11.21	87.24	4.5	33.70	7.8	25.7	0.74
F31	10 Aug 2021	68	11.21	87.53	4.6	33.70	7.8	25.7	0.62
F31	10 Aug 2021	69	11.19	87.53	4.6	33.70	7.8	25.7	0.60
F31	10 Aug 2021	70	11.18	88.03	4.6	33.71	7.8	25.7	0.57
F31	10 Aug 2021	71	11.18	88.31	4.6	33.72	7.8	25.7	0.53
F31	10 Aug 2021	72	11.18	88.55	4.7	33.72	7.8	25.7	0.52
F31	10 Aug 2021	73	11.16	88.77	4.6	33.74	7.8	25.8	0.50
F31	10 Aug 2021	74	11.16	88.86	4.6	33.74	7.8	25.8	0.52
F31	10 Aug 2021	75	11.09	88.08	4.5	33.75	7.8	25.8	0.52
F31	10 Aug 2021	76	11.05	87.00	4.3	33.74	7.8	25.8	0.53
F31	10 Aug 2021	77	11.01	86.73	4.2	33.74	7.8	25.8	0.50
F31	10 Aug 2021	78	11.05	86.92	4.1	33.75	7.8	25.8	0.45
F31	10 Aug 2021	79	11.07	87.83	4.2	33.77	7.8	25.8	0.45
F31	10 Aug 2021	80	11.07	88.33	4.3	33.77	7.8	25.8	0.40
F31	10 Aug 2021	81	11.07	88.35	4.3	33.77	7.8	25.8	0.40
F31	10 Aug 2021	82	11.08	88.38	4.3	33.78	7.8	25.8	0.40
F31	10 Aug 2021	83	11.05	88.57	4.3	33.78	7.8	25.8	0.40
F31	10 Aug 2021	84	11.02	88.13	4.2	33.79	7.8	25.8	0.40
F31	10 Aug 2021	85	11.00	88.00	4.2	33.79	7.8	25.8	0.42
F31	10 Aug 2021	86	11.00	88.03	4.1	33.80	7.8	25.8	0.39
F31	10 Aug 2021	87	11.00	88.15	4.1	33.80	7.8	25.8	0.38
F31	10 Aug 2021	88	11.00	88.38	4.1	33.81	7.8	25.9	0.37
F31	10 Aug 2021	89	10.98	88.50	4.1	33.82	7.8	25.9	0.37
F31	10 Aug 2021	90	10.97	88.43	4.1	33.83	7.8	25.9	0.38
F31	10 Aug 2021	91	10.96	88.35	4.1	33.83	7.8	25.9	0.40
F31	10 Aug 2021	92	10.95	88.27	4.0	33.83	7.8	25.9	0.36
F31	10 Aug 2021	93	10.93	88.46	4.0	33.84	7.8	25.9	0.36
F31	10 Aug 2021	94	10.91	88.49	4.0	33.85	7.7	25.9	0.40
F31	10 Aug 2021	95	10.86	88.41	3.9	33.87	7.7	25.9	0.37
F31	10 Aug 2021	96	10.86	88.29	3.8	33.87	7.7	25.9	0.38
F31	10 Aug 2021	97	10.85	88.24	3.8	33.87	7.7	25.9	0.37
F31	10 Aug 2021	98	10.80	87.80	3.7	33.89	7.7	25.9	0.36
F31	10 Aug 2021	99	10.78	87.13	3.6	33.89	7.7	26.0	0.34
F31	17 Aug 2021	1	21.96	84.47	7.8	33.51	8.1	23.1	0.82
F31	17 Aug 2021	2	21.93	83.75	7.8	33.55	8.1	23.1	0.85
F31	17 Aug 2021	3	20.28	84.38	8.1	33.74	8.1	23.7	0.81
F31	17 Aug 2021	4	18.89	84.15	8.4	33.58	8.1	24.0	0.83
F31	17 Aug 2021	5	17.35	84.67	8.5	33.61	8.1	24.4	0.81
F31	17 Aug 2021	6	16.67	85.42	8.5	33.48	8.1	24.4	0.74
F31	17 Aug 2021	7	15.87	86.28	8.7	33.50	8.1	24.6	0.67
F31	17 Aug 2021	8	15.54	87.04	8.7	33.45	8.1	24.7	0.59
F31	17 Aug 2021	9	15.15	87.65	8.6	33.41	8.1	24.7	0.56
F31	17 Aug 2021	10	14.83	87.83	8.6	33.41	8.1	24.8	0.55
F31	17 Aug 2021	11	14.52	87.98	8.6	33.44	8.1	24.9	0.52
F31	17 Aug 2021	12	13.87	87.37	8.5	33.48	8.1	25.0	0.51
F31	17 Aug 2021	13	13.37	87.23	8.2	33.47	8.0	25.1	0.71
F31	17 Aug 2021	14	13.15	87.91	7.9	33.45	8.0	25.2	1.02
F31	17 Aug 2021	15	12.97	88.01	7.7	33.44	8.0	25.2	1.26
F31	17 Aug 2021	16	12.86	87.89	7.5	33.42	8.0	25.2	1.15
F31	17 Aug 2021	17	12.80	87.94	7.5	33.43	8.0	25.2	1.15
F31	17 Aug 2021	18	12.69	87.88	7.5	33.44	8.0	25.2	1.19
F31	17 Aug 2021	19	12.66	87.81	7.4	33.44	8.0	25.3	1.30
F31	17 Aug 2021	20	12.64	87.94	7.4	33.43	8.0	25.3	1.57
F31	17 Aug 2021	21	12.63	87.90	7.4	33.43	8.0	25.3	1.37
F31	17 Aug 2021	22	12.63	87.77	7.4	33.44	8.0	25.3	1.43
F31	17 Aug 2021	23	12.63	87.62	7.3	33.44	8.0	25.3	1.86
F31	17 Aug 2021	24	12.56	87.54	7.3	33.47	8.0	25.3	1.73
F31	17 Aug 2021	25	12.41	87.89	7.2	33.47	8.0	25.3	1.86
F31	17 Aug 2021	26	12.37	88.02	7.1	33.47	8.0	25.3	1.79
F31	17 Aug 2021	27	12.36	88.03	7.1	33.47	7.9	25.3	1.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	17 Aug 2021	28	12.33	87.97	7.0	33.47	7.9	25.3	1.90
F31	17 Aug 2021	29	12.31	87.95	7.0	33.47	7.9	25.3	1.69
F31	17 Aug 2021	30	12.31	88.00	6.9	33.47	7.9	25.3	1.61
F31	17 Aug 2021	31	12.31	87.98	6.9	33.47	7.9	25.3	1.60
F31	17 Aug 2021	32	12.32	87.86	6.9	33.48	7.9	25.3	1.59
F31	17 Aug 2021	33	12.30	87.91	6.8	33.48	7.9	25.4	1.54
F31	17 Aug 2021	34	12.23	87.93	6.7	33.50	7.9	25.4	1.66
F31	17 Aug 2021	35	12.15	88.03	6.6	33.50	7.9	25.4	1.73
F31	17 Aug 2021	36	12.11	88.18	6.5	33.50	7.9	25.4	1.65
F31	17 Aug 2021	37	12.02	88.12	6.4	33.53	7.9	25.4	1.66
F31	17 Aug 2021	38	11.87	88.44	6.2	33.57	7.9	25.5	1.53
F31	17 Aug 2021	39	11.77	88.64	6.0	33.58	7.9	25.5	1.48
F31	17 Aug 2021	40	11.74	88.87	5.8	33.60	7.8	25.5	1.28
F31	17 Aug 2021	41	11.70	88.86	5.7	33.60	7.8	25.6	1.06
F31	17 Aug 2021	42	11.64	88.86	5.6	33.61	7.8	25.6	0.93
F31	17 Aug 2021	43	11.45	88.99	5.7	33.61	7.8	25.6	0.84
F31	17 Aug 2021	44	11.36	89.11	5.7	33.59	7.8	25.6	0.79
F31	17 Aug 2021	45	11.34	89.15	5.7	33.59	7.8	25.6	0.81
F31	17 Aug 2021	46	11.33	89.27	5.8	33.58	7.8	25.6	0.71
F31	17 Aug 2021	47	11.31	89.26	5.7	33.58	7.8	25.6	0.72
F31	17 Aug 2021	48	11.30	89.30	5.8	33.58	7.8	25.6	0.67
F31	17 Aug 2021	49	11.28	89.31	5.8	33.58	7.8	25.6	0.65
F31	17 Aug 2021	50	11.28	89.36	5.8	33.58	7.8	25.6	0.62
F31	17 Aug 2021	51	11.26	89.30	5.8	33.58	7.8	25.6	0.61
F31	17 Aug 2021	52	11.25	89.31	5.8	33.58	7.8	25.6	0.60
F31	17 Aug 2021	53	11.23	89.34	5.8	33.58	7.8	25.6	0.60
F31	17 Aug 2021	54	11.21	89.34	5.8	33.58	7.8	25.6	0.60
F31	17 Aug 2021	55	11.19	89.39	5.7	33.59	7.8	25.6	0.60
F31	17 Aug 2021	56	11.15	89.45	5.7	33.59	7.8	25.7	0.57
F31	17 Aug 2021	57	11.15	89.50	5.7	33.59	7.8	25.6	0.53
F31	17 Aug 2021	58	11.03	89.53	5.6	33.64	7.8	25.7	0.52
F31	17 Aug 2021	59	10.99	89.57	5.4	33.65	7.8	25.7	0.51
F31	17 Aug 2021	60	10.96	89.56	5.4	33.65	7.8	25.7	0.48
F31	17 Aug 2021	61	10.93	89.56	5.3	33.65	7.8	25.7	0.49
F31	17 Aug 2021	62	10.92	89.52	5.3	33.66	7.8	25.7	0.46
F31	17 Aug 2021	63	10.92	89.56	5.3	33.66	7.8	25.7	0.43
F31	17 Aug 2021	64	10.91	89.50	5.2	33.66	7.8	25.8	0.45
F31	17 Aug 2021	65	10.90	89.54	5.2	33.66	7.8	25.8	0.40
F31	17 Aug 2021	66	10.90	89.57	5.2	33.66	7.8	25.8	0.38
F31	17 Aug 2021	67	10.89	89.51	5.2	33.66	7.8	25.8	0.40
F31	17 Aug 2021	68	10.88	89.56	5.2	33.66	7.8	25.8	0.37
F31	17 Aug 2021	69	10.86	89.55	5.2	33.68	7.8	25.8	0.37
F31	17 Aug 2021	70	10.83	89.48	5.0	33.70	7.8	25.8	0.38
F31	17 Aug 2021	71	10.79	89.29	4.9	33.73	7.8	25.8	0.37
F31	17 Aug 2021	72	10.78	89.07	4.8	33.74	7.7	25.8	0.38
F31	17 Aug 2021	73	10.78	88.99	4.6	33.74	7.7	25.8	0.35
F31	17 Aug 2021	74	10.78	88.91	4.6	33.75	7.7	25.8	0.32
F31	17 Aug 2021	75	10.78	88.93	4.6	33.74	7.7	25.8	0.30
F31	17 Aug 2021	76	10.79	88.84	4.6	33.75	7.7	25.8	0.29
F31	17 Aug 2021	77	10.80	88.54	4.6	33.75	7.7	25.8	0.28
F31	17 Aug 2021	78	10.81	88.41	4.5	33.75	7.7	25.8	0.27
F31	17 Aug 2021	79	10.81	88.40	4.5	33.75	7.7	25.8	0.27
F31	17 Aug 2021	80	10.81	88.10	4.5	33.75	7.7	25.8	0.25
F31	17 Aug 2021	81	10.82	87.96	4.5	33.75	7.7	25.8	0.26
F31	17 Aug 2021	82	10.82	87.81	4.4	33.75	7.7	25.8	0.28
F31	17 Aug 2021	83	10.80	87.48	4.4	33.76	7.7	25.8	0.27
F31	17 Aug 2021	84	10.79	87.55	4.3	33.76	7.7	25.9	0.27
F31	17 Aug 2021	85	10.79	87.63	4.3	33.76	7.7	25.9	0.27
F31	17 Aug 2021	86	10.77	87.61	4.3	33.77	7.7	25.9	0.26
F31	17 Aug 2021	87	10.76	87.90	4.3	33.77	7.7	25.9	0.28
F31	17 Aug 2021	88	10.76	88.28	4.3	33.76	7.7	25.9	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	17 Aug 2021	89	10.75	88.41	4.3	33.76	7.7	25.9	0.26
F31	17 Aug 2021	90	10.75	88.40	4.3	33.77	7.7	25.9	0.25
F31	17 Aug 2021	91	10.76	88.43	4.3	33.78	7.7	25.9	0.25
F31	17 Aug 2021	92	10.76	88.56	4.3	33.78	7.7	25.9	0.26
F31	17 Aug 2021	93	10.76	88.54	4.4	33.79	7.7	25.9	0.33
F31	17 Aug 2021	94	10.76	88.52	4.4	33.79	7.7	25.9	0.33
F31	17 Aug 2021	95	10.76	88.49	4.3	33.79	7.7	25.9	0.33
F31	17 Aug 2021	96	10.75	88.35	4.3	33.81	7.7	25.9	0.37
F31	17 Aug 2021	97	10.72	87.61	4.2	33.84	7.7	25.9	0.35
F31	17 Aug 2021	98	10.71	86.62	4.1	33.85	7.7	25.9	0.36
F32	10 Aug 2021	1	19.11	78.95	9.3	33.52	8.2	23.9	1.01
F32	10 Aug 2021	2	18.97	78.89	9.3	33.56	8.2	23.9	1.01
F32	10 Aug 2021	3	18.54	77.16	9.4	33.57	8.2	24.0	1.03
F32	10 Aug 2021	4	18.48	73.83	9.5	33.55	8.2	24.0	1.28
F32	10 Aug 2021	5	18.31	73.88	9.4	33.58	8.2	24.1	1.79
F32	10 Aug 2021	6	17.98	72.35	9.5	33.58	8.2	24.2	2.47
F32	10 Aug 2021	7	17.90	71.91	9.5	33.56	8.2	24.2	3.54
F32	10 Aug 2021	8	17.70	71.86	9.5	33.57	8.2	24.3	4.40
F32	10 Aug 2021	9	17.55	71.05	9.5	33.56	8.2	24.3	4.95
F32	10 Aug 2021	10	17.40	70.53	9.5	33.57	8.2	24.3	5.39
F32	10 Aug 2021	11	17.09	70.15	9.4	33.59	8.2	24.4	6.06
F32	10 Aug 2021	12	16.60	69.72	9.3	33.61	8.2	24.5	6.31
F32	10 Aug 2021	13	16.20	70.20	9.3	33.60	8.2	24.6	6.53
F32	10 Aug 2021	14	15.79	71.35	9.3	33.58	8.2	24.7	6.75
F32	10 Aug 2021	15	15.43	71.05	9.1	33.60	8.1	24.8	6.45
F32	10 Aug 2021	16	15.13	71.13	8.8	33.59	8.1	24.9	6.47
F32	10 Aug 2021	17	14.97	71.44	8.7	33.58	8.1	24.9	6.53
F32	10 Aug 2021	18	14.78	72.04	8.5	33.59	8.1	24.9	6.62
F32	10 Aug 2021	19	14.48	72.75	8.3	33.59	8.1	25.0	6.59
F32	10 Aug 2021	20	14.34	74.22	8.0	33.58	8.1	25.0	6.23
F32	10 Aug 2021	21	13.92	75.01	7.8	33.61	8.1	25.1	5.98
F32	10 Aug 2021	22	13.82	74.97	7.8	33.56	8.0	25.1	5.66
F32	10 Aug 2021	23	13.79	75.10	7.7	33.57	8.0	25.1	5.57
F32	10 Aug 2021	24	13.66	75.31	7.6	33.57	8.0	25.2	5.59
F32	10 Aug 2021	25	13.64	75.81	7.5	33.56	8.0	25.1	5.63
F32	10 Aug 2021	26	13.36	76.53	7.2	33.61	8.0	25.2	5.57
F32	10 Aug 2021	27	13.20	78.43	6.7	33.59	8.0	25.3	5.43
F32	10 Aug 2021	28	13.22	78.16	6.5	33.58	7.9	25.2	5.26
F32	10 Aug 2021	29	13.00	77.82	6.4	33.63	7.9	25.3	4.96
F32	10 Aug 2021	30	12.83	78.97	6.2	33.62	7.9	25.4	5.09
F32	10 Aug 2021	31	12.81	80.32	6.1	33.61	7.9	25.4	5.25
F32	10 Aug 2021	32	12.80	80.52	6.0	33.60	7.9	25.3	4.90
F32	10 Aug 2021	33	12.80	81.06	6.1	33.60	7.9	25.3	4.69
F32	10 Aug 2021	34	12.79	81.34	6.0	33.60	7.9	25.4	4.13
F32	10 Aug 2021	35	12.56	82.23	6.0	33.61	7.9	25.4	3.96
F32	10 Aug 2021	36	12.43	84.02	6.0	33.57	7.9	25.4	3.52
F32	10 Aug 2021	37	12.37	84.83	6.0	33.57	7.9	25.4	3.02
F32	10 Aug 2021	38	12.32	85.08	6.0	33.56	7.9	25.4	2.68
F32	10 Aug 2021	39	12.30	85.47	6.0	33.56	7.9	25.4	2.26
F32	10 Aug 2021	40	12.29	85.21	6.0	33.56	7.9	25.4	2.04
F32	10 Aug 2021	41	12.30	85.33	6.0	33.57	7.9	25.4	1.85
F32	10 Aug 2021	42	12.30	85.29	6.0	33.57	7.9	25.4	1.82
F32	10 Aug 2021	43	12.29	84.96	5.9	33.57	7.9	25.4	1.61
F32	10 Aug 2021	44	12.27	85.20	6.0	33.58	7.9	25.4	1.65
F32	10 Aug 2021	45	12.23	85.22	5.9	33.58	7.9	25.4	1.65
F32	10 Aug 2021	46	12.18	85.58	5.8	33.60	7.9	25.5	1.67
F32	10 Aug 2021	47	12.11	85.66	5.7	33.60	7.9	25.5	1.66
F32	10 Aug 2021	48	12.11	85.98	5.7	33.60	7.9	25.5	1.67
F32	10 Aug 2021	49	12.08	85.95	5.7	33.60	7.9	25.5	1.55
F32	10 Aug 2021	50	12.06	85.99	5.7	33.60	7.9	25.5	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	10 Aug 2021	51	12.02	86.03	5.6	33.61	7.9	25.5	1.58
F32	10 Aug 2021	52	11.95	86.17	5.6	33.62	7.9	25.5	1.65
F32	10 Aug 2021	53	11.88	86.47	5.6	33.62	7.9	25.5	1.57
F32	10 Aug 2021	54	11.78	86.87	5.5	33.63	7.9	25.6	1.45
F32	10 Aug 2021	55	11.70	86.71	5.5	33.63	7.9	25.6	1.36
F32	10 Aug 2021	56	11.65	87.01	5.4	33.63	7.8	25.6	1.29
F32	10 Aug 2021	57	11.58	87.24	5.3	33.64	7.8	25.6	1.15
F32	10 Aug 2021	58	11.51	87.39	5.3	33.65	7.8	25.6	1.42
F32	10 Aug 2021	59	11.47	87.65	5.2	33.66	7.8	25.6	1.24
F32	10 Aug 2021	60	11.43	87.89	5.1	33.66	7.8	25.7	1.18
F32	10 Aug 2021	61	11.36	87.63	5.0	33.68	7.8	25.7	1.20
F32	10 Aug 2021	62	11.30	88.24	5.0	33.70	7.8	25.7	1.04
F32	10 Aug 2021	63	11.24	88.21	4.8	33.70	7.8	25.7	0.86
F32	10 Aug 2021	64	11.21	87.91	4.7	33.71	7.8	25.7	0.77
F32	10 Aug 2021	65	11.21	88.25	4.8	33.72	7.8	25.7	0.65
F32	10 Aug 2021	66	11.20	88.59	4.8	33.72	7.8	25.7	0.64
F32	10 Aug 2021	67	11.19	88.70	4.8	33.72	7.8	25.7	0.58
F32	10 Aug 2021	68	11.19	88.73	4.8	33.72	7.8	25.7	0.54
F32	10 Aug 2021	69	11.18	88.69	4.7	33.72	7.8	25.8	0.51
F32	10 Aug 2021	70	11.16	88.70	4.7	33.74	7.8	25.8	0.52
F32	10 Aug 2021	71	11.15	88.64	4.6	33.75	7.8	25.8	0.53
F32	10 Aug 2021	72	11.14	88.84	4.6	33.75	7.8	25.8	0.52
F32	10 Aug 2021	73	11.13	88.94	4.5	33.76	7.8	25.8	0.51
F32	10 Aug 2021	74	11.12	88.94	4.5	33.76	7.8	25.8	0.48
F32	10 Aug 2021	75	11.11	88.60	4.5	33.77	7.8	25.8	0.47
F32	10 Aug 2021	76	11.11	88.94	4.5	33.77	7.8	25.8	0.47
F32	10 Aug 2021	77	11.10	88.99	4.5	33.77	7.8	25.8	0.46
F32	10 Aug 2021	78	11.10	88.95	4.4	33.77	7.8	25.8	0.43
F32	10 Aug 2021	79	11.09	88.92	4.4	33.77	7.8	25.8	0.43
F32	10 Aug 2021	80	11.09	88.96	4.4	33.77	7.8	25.8	0.47
F32	10 Aug 2021	81	11.08	89.05	4.4	33.78	7.8	25.8	0.44
F32	10 Aug 2021	82	11.05	88.92	4.3	33.79	7.8	25.8	0.42
F32	10 Aug 2021	83	11.02	88.81	4.3	33.80	7.8	25.8	0.41
F32	10 Aug 2021	84	11.00	88.42	4.2	33.80	7.8	25.8	0.42
F32	10 Aug 2021	85	11.00	88.37	4.1	33.80	7.8	25.8	0.42
F32	10 Aug 2021	86	10.99	88.35	4.1	33.80	7.8	25.8	0.40
F32	10 Aug 2021	87	10.99	88.03	4.1	33.80	7.8	25.8	0.36
F32	10 Aug 2021	88	10.98	88.02	4.0	33.81	7.8	25.9	0.37
F32	10 Aug 2021	89	10.98	88.02	4.1	33.81	7.8	25.9	0.35
F32	10 Aug 2021	90	10.97	87.98	4.1	33.82	7.8	25.9	0.34
F32	10 Aug 2021	91	10.97	88.46	4.0	33.83	7.8	25.9	0.35
F32	10 Aug 2021	92	10.96	88.51	4.1	33.83	7.8	25.9	0.35
F32	10 Aug 2021	93	10.96	88.51	4.0	33.83	7.7	25.9	0.35
F32	10 Aug 2021	94	10.95	88.41	4.0	33.83	7.7	25.9	0.36
F32	10 Aug 2021	95	10.93	88.42	4.0	33.84	7.7	25.9	0.35
F32	10 Aug 2021	96	10.91	88.38	3.9	33.84	7.7	25.9	0.34
F32	10 Aug 2021	97	10.90	88.39	3.9	33.84	7.7	25.9	0.32
F32	10 Aug 2021	98	10.89	88.10	3.9	33.85	7.7	25.9	0.33
F32	10 Aug 2021	99	10.88	88.10	3.9	33.85	7.7	25.9	0.35
F32	10 Aug 2021	100	10.85	88.19	3.8	33.87	7.7	25.9	0.34
F32	10 Aug 2021	101	10.77	87.84	3.7	33.91	7.7	26.0	0.36
F33	10 Aug 2021	1	19.93	81.20	8.8	33.53	8.2	23.7	1.75
F33	10 Aug 2021	2	19.79	80.89	8.8	33.57	8.2	23.7	1.70
F33	10 Aug 2021	3	19.41	78.64	9.1	33.59	8.2	23.8	1.64
F33	10 Aug 2021	4	18.59	77.40	9.4	33.65	8.2	24.1	1.88
F33	10 Aug 2021	5	18.35	74.75	9.4	33.55	8.2	24.1	2.25
F33	10 Aug 2021	6	18.32	73.83	9.4	33.54	8.2	24.1	2.94
F33	10 Aug 2021	7	18.28	73.81	9.4	33.53	8.2	24.1	3.54
F33	10 Aug 2021	8	18.20	73.68	9.3	33.54	8.2	24.1	4.12
F33	10 Aug 2021	9	17.57	73.91	9.3	33.68	8.2	24.4	4.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F33	10 Aug 2021	10	16.30	73.60	9.6	33.71	8.2	24.7	4.73
F33	10 Aug 2021	11	15.81	71.79	9.5	33.61	8.2	24.7	4.83
F33	10 Aug 2021	12	15.69	70.94	9.4	33.57	8.2	24.7	5.22
F33	10 Aug 2021	13	15.65	70.86	9.4	33.56	8.2	24.7	5.37
F33	10 Aug 2021	14	15.61	70.88	9.3	33.56	8.2	24.7	5.80
F33	10 Aug 2021	15	15.56	70.99	9.3	33.55	8.2	24.7	5.97
F33	10 Aug 2021	16	15.54	71.05	9.3	33.55	8.2	24.7	6.04
F33	10 Aug 2021	17	15.48	71.24	9.3	33.56	8.2	24.8	6.15
F33	10 Aug 2021	18	15.34	71.58	9.2	33.56	8.2	24.8	6.12
F33	10 Aug 2021	19	15.21	72.16	9.5	33.55	8.2	24.8	5.95
F33	10 Aug 2021	20	14.96	71.39	9.8	33.56	8.2	24.9	5.78
F33	10 Aug 2021	21	14.70	71.95	9.7	33.55	8.2	24.9	5.77
F33	10 Aug 2021	22	14.42	72.66	9.6	33.57	8.2	25.0	5.69
F33	10 Aug 2021	23	14.08	73.52	9.3	33.59	8.1	25.1	5.63
F33	10 Aug 2021	24	13.89	74.35	9.0	33.56	8.1	25.1	5.63
F33	10 Aug 2021	25	13.82	74.08	8.6	33.59	8.1	25.1	5.55
F33	10 Aug 2021	26	13.41	74.23	8.1	33.64	8.1	25.3	5.66
F33	10 Aug 2021	27	13.18	75.70	7.4	33.60	8.0	25.3	5.79
F33	10 Aug 2021	28	13.08	77.20	6.7	33.61	8.0	25.3	6.07
F33	10 Aug 2021	29	12.99	77.92	6.3	33.61	7.9	25.3	6.18
F33	10 Aug 2021	30	12.94	77.53	6.3	33.61	7.9	25.3	5.86
F33	10 Aug 2021	31	12.91	77.72	6.3	33.60	7.9	25.3	5.62
F33	10 Aug 2021	32	12.89	78.72	6.3	33.59	7.9	25.3	5.31
F33	10 Aug 2021	33	12.83	79.97	6.3	33.60	7.9	25.3	5.48
F33	10 Aug 2021	34	12.81	81.07	6.3	33.60	7.9	25.3	5.01
F33	10 Aug 2021	35	12.75	81.12	6.3	33.60	7.9	25.4	4.39
F33	10 Aug 2021	36	12.66	81.89	6.2	33.60	7.9	25.4	4.03
F33	10 Aug 2021	37	12.50	82.50	6.2	33.60	7.9	25.4	3.66
F33	10 Aug 2021	38	12.43	83.53	6.1	33.59	7.9	25.4	3.56
F33	10 Aug 2021	39	12.37	84.12	6.0	33.61	7.9	25.4	3.10
F33	10 Aug 2021	40	12.33	84.32	6.0	33.60	7.9	25.4	2.79
F33	10 Aug 2021	41	12.27	84.40	5.9	33.62	7.9	25.5	2.25
F33	10 Aug 2021	42	12.10	85.23	5.8	33.63	7.9	25.5	2.19
F33	10 Aug 2021	43	12.04	85.83	5.7	33.62	7.9	25.5	2.12
F33	10 Aug 2021	44	12.02	86.03	5.6	33.61	7.9	25.5	1.98
F33	10 Aug 2021	45	12.00	86.13	5.6	33.61	7.9	25.5	1.96
F33	10 Aug 2021	46	11.92	86.20	5.6	33.63	7.9	25.5	1.73
F33	10 Aug 2021	47	11.83	86.61	5.6	33.62	7.9	25.6	1.56
F33	10 Aug 2021	48	11.78	87.19	5.6	33.62	7.9	25.6	1.49
F33	10 Aug 2021	49	11.68	87.50	5.5	33.62	7.9	25.6	1.53
F33	10 Aug 2021	50	11.54	87.77	5.5	33.64	7.9	25.6	1.27
F33	10 Aug 2021	51	11.46	87.75	5.4	33.65	7.9	25.6	1.30
F33	10 Aug 2021	52	11.39	88.07	5.2	33.68	7.8	25.7	1.22
F33	10 Aug 2021	53	11.35	88.42	5.1	33.69	7.8	25.7	1.06
F33	10 Aug 2021	54	11.34	88.56	5.0	33.70	7.8	25.7	0.89
F33	10 Aug 2021	55	11.33	88.51	5.0	33.70	7.8	25.7	0.79
F33	10 Aug 2021	56	11.32	88.65	4.9	33.70	7.8	25.7	0.75
F33	10 Aug 2021	57	11.29	88.29	4.9	33.70	7.8	25.7	0.83
F33	10 Aug 2021	58	11.28	88.40	4.9	33.70	7.8	25.7	0.81
F33	10 Aug 2021	59	11.24	88.61	4.9	33.71	7.8	25.7	0.74
F33	10 Aug 2021	60	11.21	88.75	4.9	33.72	7.8	25.7	0.72
F33	10 Aug 2021	61	11.19	88.77	4.8	33.72	7.8	25.7	0.69
F33	10 Aug 2021	62	11.14	88.65	4.7	33.73	7.8	25.8	0.61
F33	10 Aug 2021	63	11.12	88.42	4.6	33.74	7.8	25.8	0.62
F33	10 Aug 2021	64	11.12	88.45	4.5	33.75	7.8	25.8	0.54
F33	10 Aug 2021	65	11.12	88.82	4.5	33.76	7.8	25.8	0.54
F33	10 Aug 2021	66	11.12	88.88	4.5	33.76	7.8	25.8	0.68
F33	10 Aug 2021	67	11.12	88.87	4.5	33.76	7.8	25.8	0.49
F33	10 Aug 2021	68	11.12	88.94	4.5	33.76	7.8	25.8	0.47
F33	10 Aug 2021	69	11.12	88.84	4.5	33.77	7.8	25.8	0.45
F33	10 Aug 2021	70	11.11	88.81	4.5	33.77	7.8	25.8	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F33	10 Aug 2021	71	11.10	88.94	4.5	33.78	7.8	25.8	0.52
F33	10 Aug 2021	72	11.07	88.96	4.4	33.78	7.8	25.8	0.47
F33	10 Aug 2021	73	11.05	88.96	4.3	33.79	7.8	25.8	0.42
F33	10 Aug 2021	74	11.04	88.81	4.3	33.79	7.8	25.8	0.43
F33	10 Aug 2021	75	11.03	88.73	4.3	33.79	7.8	25.8	0.42
F33	10 Aug 2021	76	11.03	88.67	4.2	33.79	7.8	25.8	0.40
F33	10 Aug 2021	77	11.03	88.58	4.2	33.79	7.8	25.8	0.66
F33	10 Aug 2021	78	11.03	88.59	4.2	33.79	7.8	25.8	0.36
F33	10 Aug 2021	79	11.01	88.55	4.2	33.81	7.8	25.8	0.38
F33	10 Aug 2021	80	11.00	88.53	4.2	33.81	7.8	25.8	0.37
F33	10 Aug 2021	81	10.99	88.50	4.1	33.81	7.8	25.9	0.36
F33	10 Aug 2021	82	10.98	88.25	4.1	33.82	7.8	25.9	0.34
F33	10 Aug 2021	83	10.97	88.36	4.1	33.82	7.8	25.9	0.35
F33	10 Aug 2021	84	10.97	88.40	4.0	33.82	7.8	25.9	0.35
F33	10 Aug 2021	85	10.97	88.41	4.0	33.82	7.8	25.9	0.38
F33	10 Aug 2021	86	10.96	88.41	4.0	33.82	7.8	25.9	0.41
F33	10 Aug 2021	87	10.95	88.38	4.0	33.83	7.8	25.9	0.44
F33	10 Aug 2021	88	10.95	88.22	4.0	33.83	7.8	25.9	0.38
F33	10 Aug 2021	89	10.95	88.30	4.0	33.83	7.8	25.9	0.35
F33	10 Aug 2021	90	10.95	88.34	4.0	33.83	7.7	25.9	0.36
F33	10 Aug 2021	91	10.94	88.43	4.0	33.85	7.7	25.9	0.35
F33	10 Aug 2021	92	10.93	88.57	3.9	33.85	7.7	25.9	0.35
F33	10 Aug 2021	93	10.92	88.82	3.9	33.86	7.7	25.9	0.35
F33	10 Aug 2021	94	10.87	88.90	3.8	33.88	7.7	25.9	0.32
F33	10 Aug 2021	95	10.84	88.81	3.8	33.88	7.7	25.9	0.31
F33	10 Aug 2021	96	10.84	88.76	3.8	33.88	7.7	25.9	0.28
F33	10 Aug 2021	97	10.82	88.87	3.7	33.89	7.7	25.9	0.30
F33	10 Aug 2021	98	10.82	89.06	3.7	33.89	7.7	25.9	0.29
F33	10 Aug 2021	99	10.80	89.02	3.6	33.90	7.7	26.0	0.29
F33	10 Aug 2021	100	10.75	88.79	3.6	33.91	7.7	26.0	0.28
F33	10 Aug 2021	101	10.72	88.57	3.5	33.92	7.7	26.0	0.30
F34	10 Aug 2021	1	20.11	83.71	8.4	33.53	8.2	23.6	1.06
F34	10 Aug 2021	2	20.08	82.80	8.4	33.54	8.2	23.6	1.02
F34	10 Aug 2021	3	20.06	83.73	8.4	33.53	8.2	23.6	1.02
F34	10 Aug 2021	4	20.02	83.72	8.4	33.53	8.2	23.6	1.00
F34	10 Aug 2021	5	20.01	83.84	8.4	33.53	8.2	23.6	1.10
F34	10 Aug 2021	6	20.00	83.84	8.4	33.53	8.2	23.6	1.19
F34	10 Aug 2021	7	19.97	83.71	8.4	33.54	8.2	23.7	1.29
F34	10 Aug 2021	8	19.91	83.64	8.5	33.54	8.2	23.7	1.26
F34	10 Aug 2021	9	19.73	82.38	8.5	33.56	8.2	23.7	1.32
F34	10 Aug 2021	10	19.26	81.75	8.5	33.63	8.2	23.9	1.43
F34	10 Aug 2021	11	17.99	83.05	8.7	33.69	8.2	24.3	1.56
F34	10 Aug 2021	12	16.93	83.47	8.8	33.65	8.2	24.5	1.58
F34	10 Aug 2021	13	16.13	83.34	9.0	33.59	8.2	24.6	1.39
F34	10 Aug 2021	14	15.71	84.88	9.0	33.53	8.2	24.7	1.33
F34	10 Aug 2021	15	15.53	86.15	9.0	33.49	8.1	24.7	1.17
F34	10 Aug 2021	16	15.36	86.45	8.8	33.49	8.1	24.7	1.11
F34	10 Aug 2021	17	15.11	86.59	8.9	33.50	8.1	24.8	1.24
F34	10 Aug 2021	18	14.89	86.81	8.8	33.52	8.1	24.9	0.95
F34	10 Aug 2021	19	14.34	86.57	8.8	33.53	8.1	25.0	1.05
F34	10 Aug 2021	20	14.21	86.40	8.8	33.50	8.1	25.0	1.18
F34	10 Aug 2021	21	14.16	86.32	8.7	33.49	8.1	25.0	1.02
F34	10 Aug 2021	22	14.09	85.37	8.7	33.50	8.1	25.0	1.14
F34	10 Aug 2021	23	14.07	84.70	8.6	33.50	8.1	25.0	1.16
F34	10 Aug 2021	24	14.08	83.38	8.6	33.51	8.1	25.0	1.43
F34	10 Aug 2021	25	14.09	82.71	8.7	33.51	8.1	25.0	1.77
F34	10 Aug 2021	26	13.85	81.15	8.5	33.58	8.1	25.1	1.74
F34	10 Aug 2021	27	13.28	78.30	8.3	33.57	8.1	25.2	2.06
F34	10 Aug 2021	28	13.10	78.70	8.0	33.55	8.1	25.2	2.61
F34	10 Aug 2021	29	12.99	78.29	7.7	33.57	8.0	25.3	3.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F34	10 Aug 2021	30	12.85	77.96	7.3	33.59	8.0	25.3	4.12
F34	10 Aug 2021	31	12.73	78.47	6.8	33.61	8.0	25.4	4.78
F34	10 Aug 2021	32	12.68	80.37	6.4	33.61	7.9	25.4	5.08
F34	10 Aug 2021	33	12.66	81.25	6.2	33.60	7.9	25.4	4.97
F34	10 Aug 2021	34	12.64	81.43	6.2	33.60	7.9	25.4	4.60
F34	10 Aug 2021	35	12.55	82.13	6.2	33.60	7.9	25.4	4.03
F34	10 Aug 2021	36	12.55	82.76	6.2	33.60	7.9	25.4	3.67
F34	10 Aug 2021	37	12.59	82.75	6.2	33.60	7.9	25.4	3.29
F34	10 Aug 2021	38	12.56	82.19	6.0	33.62	7.9	25.4	3.04
F34	10 Aug 2021	39	12.41	82.60	6.0	33.65	7.9	25.5	2.92
F34	10 Aug 2021	40	12.20	83.89	5.9	33.64	7.9	25.5	2.94
F34	10 Aug 2021	41	12.06	85.44	5.8	33.62	7.9	25.5	2.93
F34	10 Aug 2021	42	12.00	84.70	5.7	33.62	7.9	25.5	2.84
F34	10 Aug 2021	43	11.97	85.98	5.7	33.62	7.9	25.5	2.66
F34	10 Aug 2021	44	11.85	86.23	5.6	33.64	7.9	25.6	2.19
F34	10 Aug 2021	45	11.72	86.77	5.6	33.64	7.9	25.6	2.18
F34	10 Aug 2021	46	11.65	87.29	5.5	33.63	7.9	25.6	1.84
F34	10 Aug 2021	47	11.60	87.86	5.5	33.64	7.9	25.6	1.75
F34	10 Aug 2021	48	11.53	87.97	5.4	33.65	7.9	25.6	1.59
F34	10 Aug 2021	49	11.45	88.34	5.3	33.67	7.8	25.7	1.37
F34	10 Aug 2021	50	11.43	88.69	5.2	33.68	7.8	25.7	1.37
F34	10 Aug 2021	51	11.38	88.65	5.1	33.69	7.8	25.7	1.55
F34	10 Aug 2021	52	11.32	88.70	5.0	33.69	7.8	25.7	1.31
F34	10 Aug 2021	53	11.31	88.68	5.0	33.69	7.8	25.7	1.15
F34	10 Aug 2021	54	11.30	88.61	5.0	33.68	7.8	25.7	0.98
F34	10 Aug 2021	55	11.28	88.53	5.0	33.68	7.8	25.7	0.80
F34	10 Aug 2021	56	11.27	88.69	5.0	33.68	7.8	25.7	0.76
F34	10 Aug 2021	57	11.26	88.87	5.0	33.69	7.8	25.7	0.68
F34	10 Aug 2021	58	11.24	88.87	4.9	33.71	7.8	25.7	0.65
F34	10 Aug 2021	59	11.19	88.80	4.8	33.73	7.8	25.7	0.63
F34	10 Aug 2021	60	11.17	88.88	4.7	33.74	7.8	25.8	0.61
F34	10 Aug 2021	61	11.14	88.65	4.6	33.75	7.8	25.8	0.57
F34	10 Aug 2021	62	11.12	88.71	4.6	33.76	7.8	25.8	0.55
F34	10 Aug 2021	63	11.12	88.77	4.5	33.77	7.8	25.8	0.54
F34	10 Aug 2021	64	11.12	88.91	4.5	33.77	7.8	25.8	0.47
F34	10 Aug 2021	65	11.11	89.00	4.5	33.77	7.8	25.8	0.48
F34	10 Aug 2021	66	11.11	89.03	4.5	33.77	7.8	25.8	0.53
F34	10 Aug 2021	67	11.10	88.93	4.5	33.77	7.8	25.8	0.52
F34	10 Aug 2021	68	11.09	88.86	4.4	33.78	7.8	25.8	0.51
F34	10 Aug 2021	69	11.08	88.94	4.4	33.79	7.8	25.8	0.54
F34	10 Aug 2021	70	11.05	88.83	4.3	33.80	7.8	25.8	0.47
F34	10 Aug 2021	71	11.02	88.82	4.3	33.81	7.8	25.8	0.40
F34	10 Aug 2021	72	11.01	88.77	4.2	33.81	7.8	25.8	0.40
F34	10 Aug 2021	73	11.01	88.55	4.2	33.81	7.8	25.8	0.40
F34	10 Aug 2021	74	11.01	88.52	4.2	33.81	7.8	25.8	0.40
F34	10 Aug 2021	75	11.00	88.62	4.2	33.81	7.8	25.9	0.50
F34	10 Aug 2021	76	10.99	88.61	4.1	33.81	7.8	25.9	0.61
F34	10 Aug 2021	77	10.99	88.55	4.1	33.82	7.8	25.9	0.50
F34	10 Aug 2021	78	10.98	88.56	4.1	33.82	7.8	25.9	0.41
F34	10 Aug 2021	79	10.98	88.56	4.0	33.83	7.8	25.9	0.38
F34	10 Aug 2021	80	10.97	88.11	4.0	33.84	7.7	25.9	0.33
F34	10 Aug 2021	81	10.96	88.34	4.0	33.84	7.7	25.9	0.33
F34	10 Aug 2021	82	10.96	88.71	4.0	33.84	7.7	25.9	0.30
F34	10 Aug 2021	83	10.95	88.82	4.0	33.84	7.7	25.9	0.29
F34	10 Aug 2021	84	10.95	88.83	4.0	33.84	7.7	25.9	0.27
F34	10 Aug 2021	85	10.94	88.84	4.0	33.85	7.7	25.9	0.28
F34	10 Aug 2021	86	10.93	88.85	3.9	33.85	7.7	25.9	0.28
F34	10 Aug 2021	87	10.91	88.97	3.9	33.86	7.7	25.9	0.33
F34	10 Aug 2021	88	10.91	88.93	3.9	33.86	7.7	25.9	0.29
F34	10 Aug 2021	89	10.91	88.88	3.8	33.86	7.7	25.9	0.27
F34	10 Aug 2021	90	10.91	88.97	3.8	33.87	7.7	25.9	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F34	10 Aug 2021	91	10.91	89.00	3.8	33.87	7.7	25.9	0.25
F34	10 Aug 2021	92	10.89	89.09	3.8	33.88	7.7	25.9	0.27
F34	10 Aug 2021	93	10.82	88.72	3.7	33.90	7.7	25.9	0.26
F34	10 Aug 2021	94	10.78	88.81	3.6	33.90	7.7	26.0	0.27
F34	10 Aug 2021	95	10.74	88.74	3.6	33.92	7.7	26.0	0.26
F34	10 Aug 2021	96	10.70	88.78	3.5	33.92	7.7	26.0	0.28
F34	10 Aug 2021	97	10.70	88.78	3.5	33.92	7.7	26.0	0.28
F34	10 Aug 2021	98	10.69	88.74	3.5	33.92	7.7	26.0	0.27
F34	10 Aug 2021	99	10.67	88.74	3.5	33.93	7.7	26.0	0.26
F34	10 Aug 2021	100	10.67	88.53	3.5	33.92	7.7	26.0	0.26
F34	10 Aug 2021	101	10.68	88.19	3.5	33.92	7.7	26.0	0.27
F35	10 Aug 2021	1	20.72	86.15	8.1	33.55	8.2	23.5	0.58
F35	10 Aug 2021	2	20.70	86.09	8.1	33.55	8.2	23.5	0.59
F35	10 Aug 2021	3	20.65	85.95	8.1	33.55	8.2	23.5	0.58
F35	10 Aug 2021	4	20.60	86.00	8.1	33.55	8.2	23.5	0.64
F35	10 Aug 2021	5	20.38	86.06	8.2	33.56	8.2	23.6	0.65
F35	10 Aug 2021	6	19.88	86.09	8.3	33.56	8.2	23.7	0.60
F35	10 Aug 2021	7	19.02	86.15	8.5	33.59	8.2	23.9	0.60
F35	10 Aug 2021	8	18.19	86.45	8.6	33.52	8.2	24.1	0.55
F35	10 Aug 2021	9	17.68	87.02	8.7	33.50	8.2	24.2	0.54
F35	10 Aug 2021	10	17.37	87.35	8.8	33.47	8.2	24.3	0.46
F35	10 Aug 2021	11	17.26	87.36	8.8	33.45	8.2	24.3	0.42
F35	10 Aug 2021	12	17.17	87.55	8.8	33.44	8.2	24.3	0.42
F35	10 Aug 2021	13	17.14	87.43	8.8	33.44	8.2	24.3	0.41
F35	10 Aug 2021	14	17.12	87.51	8.8	33.43	8.2	24.3	0.40
F35	10 Aug 2021	15	17.11	87.61	8.8	33.43	8.2	24.3	0.42
F35	10 Aug 2021	16	17.09	87.60	8.8	33.43	8.2	24.3	0.44
F35	10 Aug 2021	17	16.78	87.58	8.6	33.51	8.2	24.4	0.43
F35	10 Aug 2021	18	16.17	87.58	8.6	33.46	8.1	24.5	0.45
F35	10 Aug 2021	19	15.74	87.76	8.6	33.47	8.1	24.6	0.42
F35	10 Aug 2021	20	15.45	88.00	8.6	33.42	8.1	24.7	0.47
F35	10 Aug 2021	21	15.26	88.16	8.5	33.42	8.1	24.7	0.45
F35	10 Aug 2021	22	14.83	88.19	8.5	33.45	8.1	24.8	0.45
F35	10 Aug 2021	23	14.41	88.14	8.5	33.45	8.1	24.9	0.42
F35	10 Aug 2021	24	13.99	88.11	8.5	33.46	8.1	25.0	0.39
F35	10 Aug 2021	25	13.57	87.29	8.5	33.44	8.1	25.1	0.43
F35	10 Aug 2021	26	13.47	86.70	8.5	33.42	8.1	25.1	0.56
F35	10 Aug 2021	27	13.38	85.91	8.4	33.44	8.1	25.1	1.06
F35	10 Aug 2021	28	13.47	84.99	8.4	33.48	8.1	25.1	1.20
F35	10 Aug 2021	29	13.51	84.51	8.3	33.52	8.1	25.1	1.76
F35	10 Aug 2021	30	13.32	82.31	8.1	33.56	8.1	25.2	1.93
F35	10 Aug 2021	31	12.98	81.16	7.9	33.55	8.1	25.3	2.36
F35	10 Aug 2021	32	12.83	80.75	7.7	33.53	8.0	25.3	2.81
F35	10 Aug 2021	33	12.73	81.03	7.5	33.53	8.0	25.3	3.57
F35	10 Aug 2021	34	12.60	81.86	7.4	33.53	8.0	25.3	4.19
F35	10 Aug 2021	35	12.51	83.19	7.2	33.52	8.0	25.3	4.89
F35	10 Aug 2021	36	12.46	84.19	7.1	33.53	8.0	25.4	4.05
F35	10 Aug 2021	37	12.10	85.54	6.8	33.59	8.0	25.5	3.61
F35	10 Aug 2021	38	11.77	87.51	6.3	33.59	7.9	25.5	3.17
F35	10 Aug 2021	39	11.64	88.23	6.0	33.60	7.9	25.6	3.27
F35	10 Aug 2021	40	11.54	88.29	5.8	33.60	7.9	25.6	2.19
F35	10 Aug 2021	41	11.50	88.41	5.7	33.62	7.9	25.6	2.18
F35	10 Aug 2021	42	11.49	88.44	5.6	33.61	7.9	25.6	1.67
F35	10 Aug 2021	43	11.46	88.43	5.6	33.63	7.9	25.6	1.26
F35	10 Aug 2021	44	11.45	88.52	5.4	33.65	7.9	25.6	1.20
F35	10 Aug 2021	45	11.46	88.62	5.3	33.65	7.8	25.6	1.02
F35	10 Aug 2021	46	11.49	88.60	5.3	33.65	7.8	25.6	1.04
F35	10 Aug 2021	47	11.52	88.67	5.2	33.66	7.8	25.6	0.95
F35	10 Aug 2021	48	11.54	88.75	5.1	33.67	7.8	25.6	0.91
F35	10 Aug 2021	49	11.54	88.85	5.1	33.68	7.8	25.6	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	10 Aug 2021	50	11.55	88.81	5.1	33.68	7.8	25.6	0.92
F35	10 Aug 2021	51	11.57	88.68	5.0	33.69	7.8	25.6	1.09
F35	10 Aug 2021	52	11.54	88.68	4.9	33.71	7.8	25.7	0.97
F35	10 Aug 2021	53	11.50	88.75	4.8	33.73	7.8	25.7	0.80
F35	10 Aug 2021	54	11.45	88.73	4.7	33.74	7.8	25.7	0.77
F35	10 Aug 2021	55	11.40	88.78	4.6	33.75	7.8	25.7	0.74
F35	10 Aug 2021	56	11.38	88.79	4.5	33.75	7.8	25.7	0.63
F35	10 Aug 2021	57	11.38	88.83	4.5	33.76	7.8	25.7	0.57
F35	10 Aug 2021	58	11.30	88.89	4.5	33.77	7.8	25.8	0.51
F35	10 Aug 2021	59	11.15	89.01	4.5	33.76	7.8	25.8	0.46
F35	10 Aug 2021	60	11.07	89.04	4.6	33.74	7.8	25.8	0.46
F35	10 Aug 2021	61	11.07	89.11	4.7	33.74	7.8	25.8	0.44
F35	10 Aug 2021	62	11.02	89.16	4.7	33.74	7.8	25.8	0.42
F35	10 Aug 2021	63	11.00	89.12	4.6	33.75	7.8	25.8	0.41
F35	10 Aug 2021	64	10.98	89.24	4.6	33.76	7.8	25.8	0.39
F35	10 Aug 2021	65	10.99	89.22	4.5	33.76	7.8	25.8	0.41
F35	10 Aug 2021	66	11.04	89.12	4.4	33.77	7.8	25.8	0.38
F35	10 Aug 2021	67	11.05	88.96	4.4	33.79	7.8	25.8	0.35
F35	10 Aug 2021	68	11.04	88.94	4.3	33.80	7.8	25.8	0.34
F35	10 Aug 2021	69	11.03	88.91	4.2	33.81	7.8	25.8	0.35
F35	10 Aug 2021	70	11.01	88.94	4.2	33.83	7.8	25.9	0.34
F35	10 Aug 2021	71	11.00	88.93	4.1	33.83	7.8	25.9	0.34
F35	10 Aug 2021	72	10.98	88.99	4.1	33.84	7.8	25.9	0.33
F35	10 Aug 2021	73	10.97	89.01	4.1	33.84	7.8	25.9	0.34
F35	10 Aug 2021	74	10.96	88.94	4.0	33.84	7.8	25.9	0.38
F35	10 Aug 2021	75	10.95	88.83	4.0	33.85	7.8	25.9	0.34
F35	10 Aug 2021	76	10.94	88.89	4.0	33.85	7.7	25.9	0.34
F35	10 Aug 2021	77	10.92	88.90	4.0	33.86	7.7	25.9	0.38
F35	10 Aug 2021	78	10.90	88.98	3.9	33.87	7.7	25.9	0.35
F35	10 Aug 2021	79	10.89	88.95	3.9	33.87	7.7	25.9	0.32
F35	10 Aug 2021	80	10.88	88.81	3.8	33.87	7.7	25.9	0.28
F35	10 Aug 2021	81	10.88	89.06	3.7	33.88	7.7	25.9	0.26
F35	10 Aug 2021	82	10.88	89.19	3.6	33.89	7.7	25.9	0.26
F35	10 Aug 2021	83	10.88	89.30	3.5	33.89	7.7	25.9	0.25
F35	10 Aug 2021	84	10.86	89.31	3.5	33.90	7.7	25.9	0.25
F35	10 Aug 2021	85	10.86	89.30	3.4	33.90	7.7	25.9	0.25
F35	10 Aug 2021	86	10.85	89.36	3.4	33.90	7.7	25.9	0.26
F35	10 Aug 2021	87	10.84	89.38	3.3	33.90	7.7	26.0	0.28
F35	10 Aug 2021	88	10.82	89.33	3.3	33.91	7.7	26.0	0.26
F35	10 Aug 2021	89	10.78	89.35	3.4	33.91	7.7	26.0	0.27
F35	10 Aug 2021	90	10.75	89.21	3.4	33.92	7.7	26.0	0.26
F35	10 Aug 2021	91	10.72	89.13	3.4	33.92	7.7	26.0	0.26
F35	10 Aug 2021	92	10.71	89.06	3.4	33.92	7.7	26.0	0.23
F35	10 Aug 2021	93	10.70	88.94	3.5	33.92	7.7	26.0	0.24
F35	10 Aug 2021	94	10.69	88.93	3.5	33.92	7.7	26.0	0.23
F35	10 Aug 2021	95	10.69	88.96	3.5	33.92	7.7	26.0	0.23
F35	10 Aug 2021	96	10.69	88.89	3.5	33.92	7.7	26.0	0.25
F35	10 Aug 2021	97	10.69	88.82	3.5	33.92	7.7	26.0	0.25
F35	10 Aug 2021	98	10.68	88.82	3.5	33.92	7.7	26.0	0.25
F35	10 Aug 2021	99	10.68	88.69	3.5	33.92	7.7	26.0	0.26
F35	10 Aug 2021	100	10.68	88.53	3.5	33.92	7.7	26.0	0.25
F36	10 Aug 2021	1	21.09	85.98	8.0	33.57	8.1	23.4	0.54
F36	10 Aug 2021	2	21.09	85.67	7.9	33.57	8.1	23.4	0.50
F36	10 Aug 2021	3	20.95	86.09	7.9	33.60	8.1	23.4	0.55
F36	10 Aug 2021	4	19.85	86.21	8.3	33.66	8.2	23.8	0.55
F36	10 Aug 2021	5	19.50	86.16	8.6	33.54	8.2	23.8	0.57
F36	10 Aug 2021	6	19.31	86.15	8.6	33.55	8.2	23.8	0.55
F36	10 Aug 2021	7	19.09	86.37	8.7	33.52	8.2	23.9	0.62
F36	10 Aug 2021	8	18.99	86.35	8.6	33.52	8.2	23.9	0.59
F36	10 Aug 2021	9	18.19	86.19	8.6	33.59	8.2	24.1	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	10 Aug 2021	10	17.44	86.82	8.7	33.54	8.1	24.3	0.59
F36	10 Aug 2021	11	17.00	87.20	8.7	33.49	8.1	24.4	0.46
F36	10 Aug 2021	12	16.76	87.61	8.7	33.46	8.1	24.4	0.46
F36	10 Aug 2021	13	16.73	87.58	8.7	33.43	8.1	24.4	0.48
F36	10 Aug 2021	14	16.36	87.48	8.6	33.48	8.1	24.5	0.40
F36	10 Aug 2021	15	15.91	87.99	8.6	33.46	8.1	24.6	0.42
F36	10 Aug 2021	16	15.60	88.00	8.6	33.46	8.1	24.6	0.42
F36	10 Aug 2021	17	15.11	88.39	8.6	33.45	8.1	24.8	0.39
F36	10 Aug 2021	18	14.81	88.35	8.5	33.41	8.1	24.8	0.36
F36	10 Aug 2021	19	14.69	88.63	8.5	33.40	8.1	24.8	0.35
F36	10 Aug 2021	20	14.40	88.45	8.4	33.40	8.1	24.9	0.33
F36	10 Aug 2021	21	14.06	88.08	8.4	33.40	8.1	24.9	0.33
F36	10 Aug 2021	22	13.77	87.49	8.4	33.38	8.1	25.0	0.37
F36	10 Aug 2021	23	13.70	86.77	8.4	33.36	8.1	25.0	0.44
F36	10 Aug 2021	24	13.67	86.67	8.4	33.36	8.1	25.0	0.77
F36	10 Aug 2021	25	13.46	86.44	8.3	33.38	8.1	25.0	1.14
F36	10 Aug 2021	26	13.34	85.91	8.3	33.37	8.1	25.1	1.45
F36	10 Aug 2021	27	13.26	85.51	8.2	33.37	8.1	25.1	1.66
F36	10 Aug 2021	28	13.17	85.28	8.2	33.38	8.1	25.1	1.99
F36	10 Aug 2021	29	13.10	84.69	8.1	33.42	8.1	25.1	2.29
F36	10 Aug 2021	30	13.03	84.97	8.1	33.45	8.0	25.2	3.12
F36	10 Aug 2021	31	12.95	84.61	8.0	33.47	8.0	25.2	2.92
F36	10 Aug 2021	32	12.74	83.98	7.7	33.53	8.0	25.3	3.27
F36	10 Aug 2021	33	12.29	85.22	7.2	33.56	8.0	25.4	3.24
F36	10 Aug 2021	34	12.12	86.66	6.8	33.54	7.9	25.4	3.50
F36	10 Aug 2021	35	12.06	87.09	6.6	33.53	7.9	25.4	2.96
F36	10 Aug 2021	36	12.03	87.09	6.5	33.53	7.9	25.4	2.73
F36	10 Aug 2021	37	11.99	87.16	6.5	33.54	7.9	25.5	2.29
F36	10 Aug 2021	38	11.83	87.48	6.4	33.56	7.9	25.5	2.05
F36	10 Aug 2021	39	11.72	87.64	6.2	33.57	7.9	25.5	2.04
F36	10 Aug 2021	40	11.64	88.13	6.0	33.59	7.9	25.6	1.83
F36	10 Aug 2021	41	11.62	88.42	5.8	33.61	7.9	25.6	1.63
F36	10 Aug 2021	42	11.64	88.72	5.5	33.64	7.8	25.6	1.42
F36	10 Aug 2021	43	11.63	88.91	5.4	33.67	7.8	25.6	1.22
F36	10 Aug 2021	44	11.58	88.96	5.2	33.68	7.8	25.6	1.21
F36	10 Aug 2021	45	11.51	89.15	5.1	33.70	7.8	25.7	0.98
F36	10 Aug 2021	46	11.50	89.26	5.1	33.70	7.8	25.7	0.86
F36	10 Aug 2021	47	11.46	89.28	5.1	33.71	7.8	25.7	0.76
F36	10 Aug 2021	48	11.42	89.32	5.0	33.72	7.8	25.7	0.68
F36	10 Aug 2021	49	11.40	89.28	5.0	33.72	7.8	25.7	0.60
F36	10 Aug 2021	50	11.39	89.30	4.9	33.73	7.8	25.7	0.59
F36	10 Aug 2021	51	11.38	89.40	4.9	33.73	7.8	25.7	0.63
F36	10 Aug 2021	52	11.35	89.38	4.8	33.75	7.8	25.7	0.57
F36	10 Aug 2021	53	11.32	89.39	4.7	33.76	7.8	25.8	0.55
F36	10 Aug 2021	54	11.32	89.39	4.6	33.76	7.8	25.8	0.46
F36	10 Aug 2021	55	11.27	89.15	4.5	33.78	7.8	25.8	0.44
F36	10 Aug 2021	56	11.25	89.00	4.4	33.78	7.8	25.8	0.46
F36	10 Aug 2021	57	11.24	89.14	4.4	33.78	7.8	25.8	0.45
F36	10 Aug 2021	58	11.23	89.19	4.4	33.79	7.8	25.8	0.38
F36	10 Aug 2021	59	11.22	89.20	4.3	33.79	7.8	25.8	0.38
F36	10 Aug 2021	60	11.22	89.27	4.3	33.79	7.8	25.8	0.36
F36	10 Aug 2021	61	11.20	89.23	4.3	33.80	7.8	25.8	0.35
F36	10 Aug 2021	62	11.17	89.22	4.3	33.80	7.8	25.8	0.36
F36	10 Aug 2021	63	11.15	89.22	4.3	33.81	7.8	25.8	0.37
F36	10 Aug 2021	64	11.13	89.15	4.2	33.81	7.8	25.8	0.36
F36	10 Aug 2021	65	11.12	89.07	4.2	33.81	7.8	25.8	0.31
F36	10 Aug 2021	66	11.12	89.08	4.2	33.81	7.8	25.8	0.29
F36	10 Aug 2021	67	11.12	89.28	4.2	33.82	7.7	25.8	0.29
F36	10 Aug 2021	68	11.11	89.39	4.2	33.83	7.7	25.8	0.27
F36	10 Aug 2021	69	11.08	89.08	4.2	33.84	7.7	25.9	0.30
F36	10 Aug 2021	70	11.03	89.18	4.1	33.85	7.7	25.9	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	10 Aug 2021	71	11.01	89.35	4.0	33.85	7.7	25.9	0.28
F36	10 Aug 2021	72	10.99	89.31	4.0	33.85	7.7	25.9	0.27
F36	10 Aug 2021	73	10.98	89.27	3.9	33.86	7.7	25.9	0.26
F36	10 Aug 2021	74	10.98	89.30	3.9	33.86	7.7	25.9	0.25
F36	10 Aug 2021	75	10.97	89.24	3.8	33.86	7.7	25.9	0.27
F36	10 Aug 2021	76	10.97	88.75	3.8	33.87	7.7	25.9	0.25
F36	10 Aug 2021	77	10.94	89.24	3.7	33.87	7.7	25.9	0.24
F36	10 Aug 2021	78	10.94	89.28	3.7	33.87	7.7	25.9	0.26
F36	10 Aug 2021	79	10.93	89.27	3.7	33.87	7.7	25.9	0.28
F36	10 Aug 2021	80	10.93	89.23	3.6	33.88	7.7	25.9	0.28
F36	10 Aug 2021	81	10.91	89.26	3.6	33.88	7.7	25.9	0.26
F36	10 Aug 2021	82	10.87	89.21	3.6	33.89	7.7	25.9	0.24
F36	10 Aug 2021	83	10.83	89.05	3.6	33.90	7.7	25.9	0.24
F36	10 Aug 2021	84	10.81	88.91	3.6	33.90	7.7	26.0	0.24
F36	10 Aug 2021	85	10.79	88.83	3.6	33.90	7.7	26.0	0.25
F36	10 Aug 2021	86	10.78	88.77	3.6	33.90	7.7	26.0	0.25
F36	10 Aug 2021	87	10.76	88.58	3.6	33.90	7.7	26.0	0.25
F36	10 Aug 2021	88	10.75	88.22	3.6	33.91	7.7	26.0	0.24
F36	10 Aug 2021	89	10.74	88.11	3.6	33.91	7.7	26.0	0.27
F36	10 Aug 2021	90	10.74	88.13	3.6	33.91	7.7	26.0	0.29
F36	10 Aug 2021	91	10.73	88.09	3.6	33.91	7.7	26.0	0.29
F36	10 Aug 2021	92	10.71	88.14	3.6	33.91	7.7	26.0	0.33
F36	10 Aug 2021	93	10.70	88.26	3.6	33.92	7.7	26.0	0.30
F36	10 Aug 2021	94	10.68	88.60	3.5	33.93	7.7	26.0	0.26
F36	10 Aug 2021	95	10.62	88.71	3.5	33.95	7.7	26.0	0.27
F36	10 Aug 2021	96	10.61	88.73	3.5	33.95	7.7	26.0	0.25
F36	10 Aug 2021	97	10.59	88.76	3.4	33.95	7.7	26.0	0.22
F36	10 Aug 2021	98	10.57	88.83	3.4	33.95	7.7	26.0	0.21
F36	10 Aug 2021	99	10.57	88.60	3.4	33.95	7.7	26.0	0.22
F36	10 Aug 2021	100	10.57	88.40	3.4	33.95	7.7	26.0	0.20

NA = not available

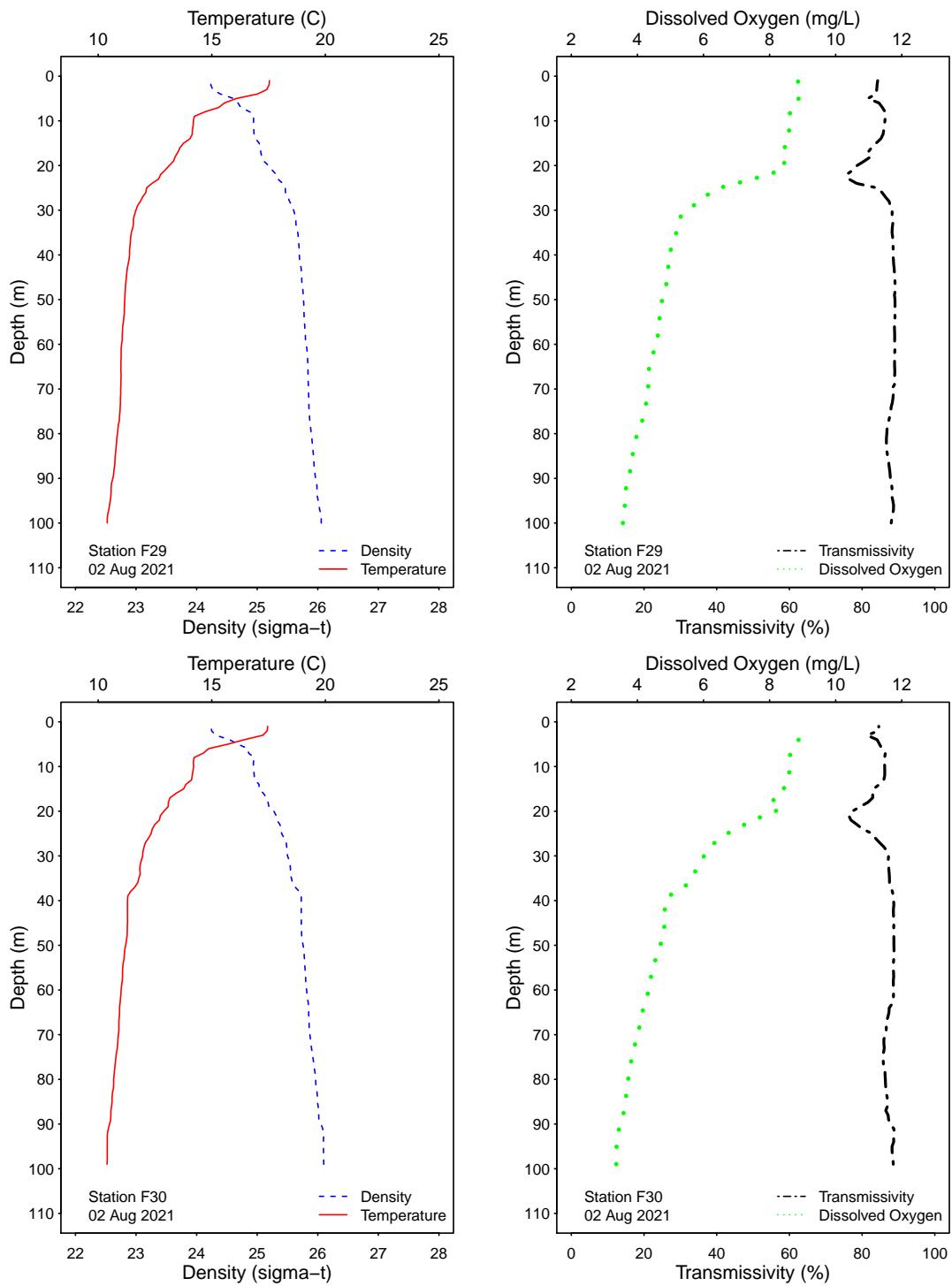


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

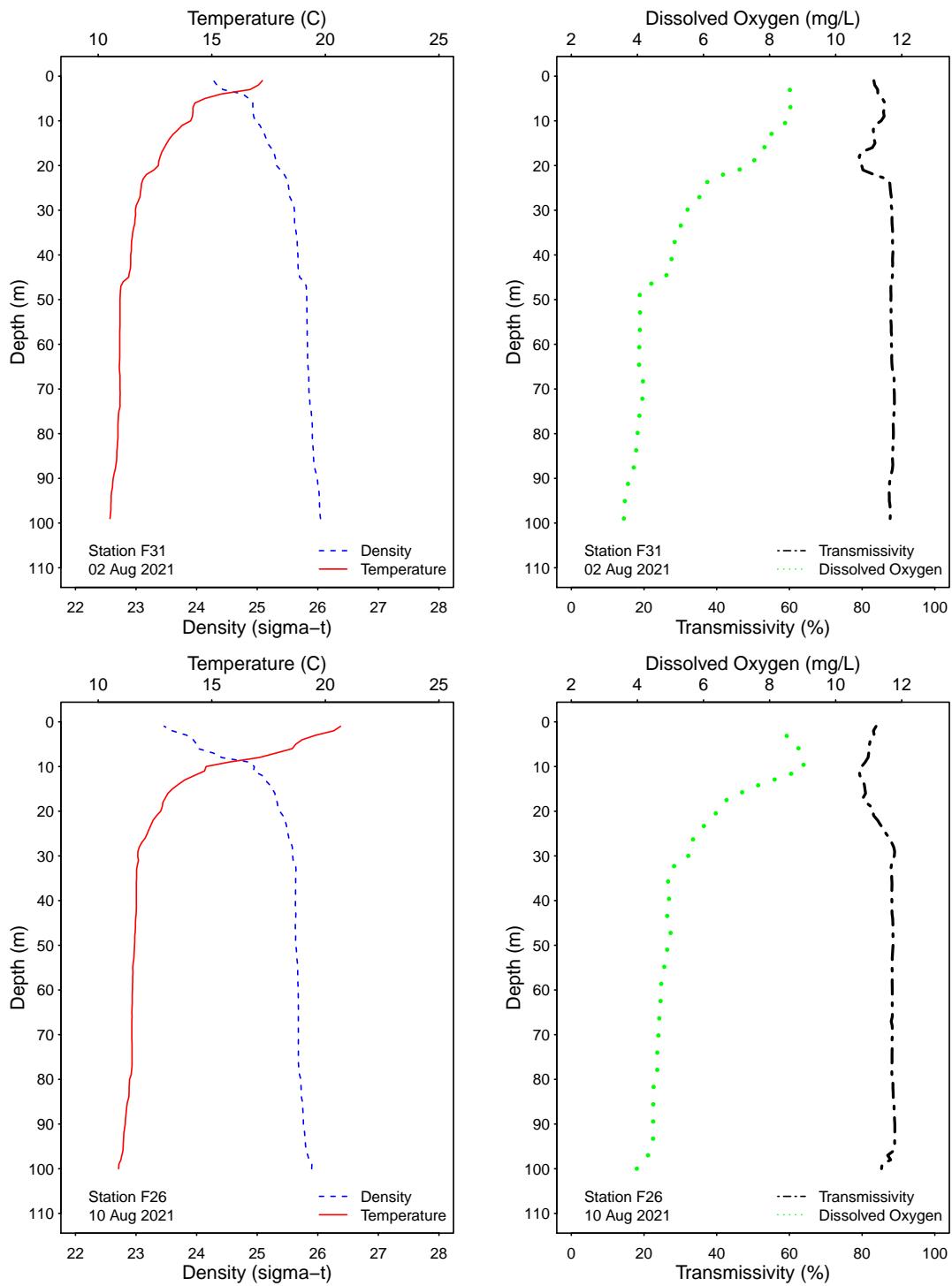


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

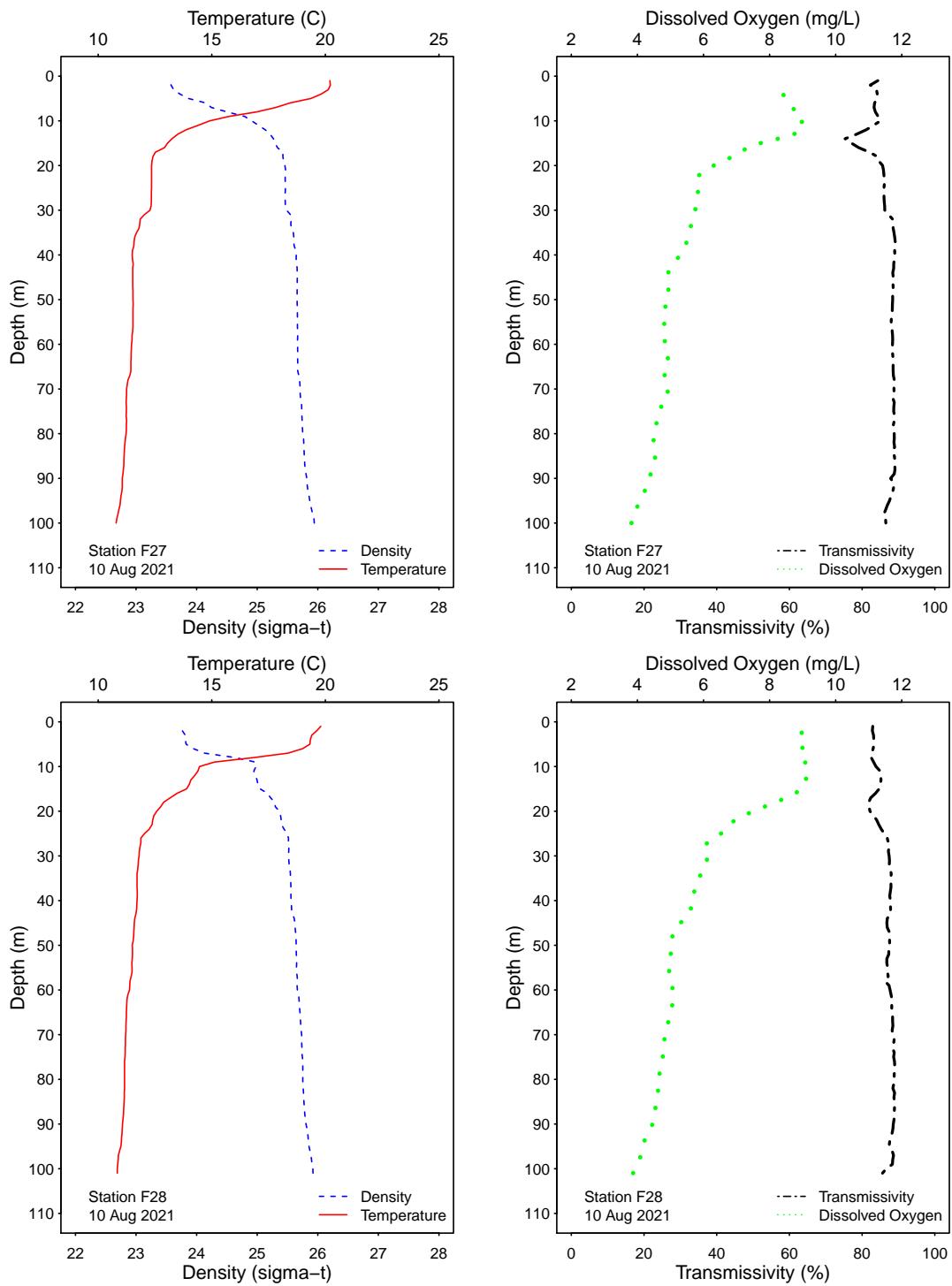


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

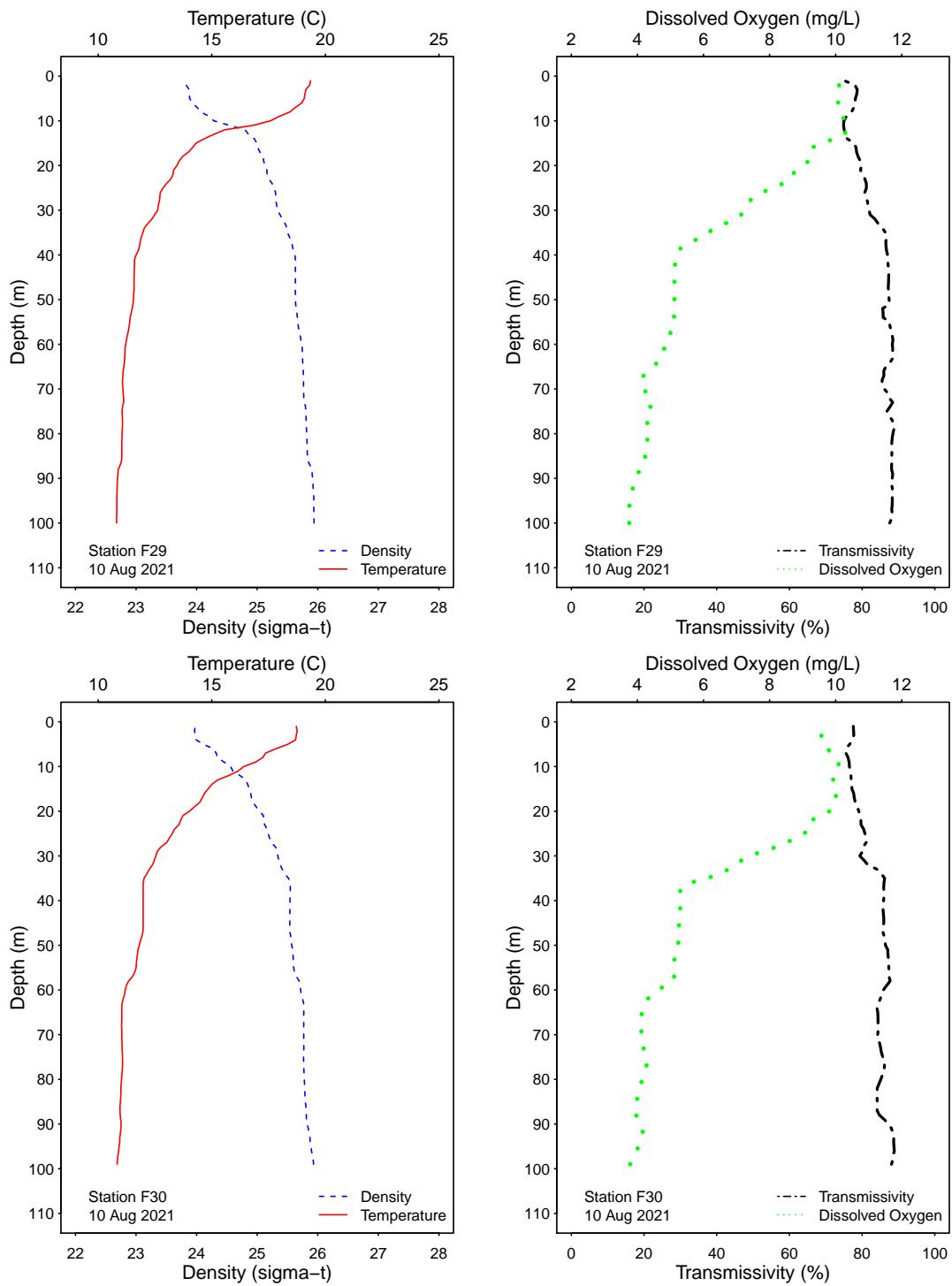


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

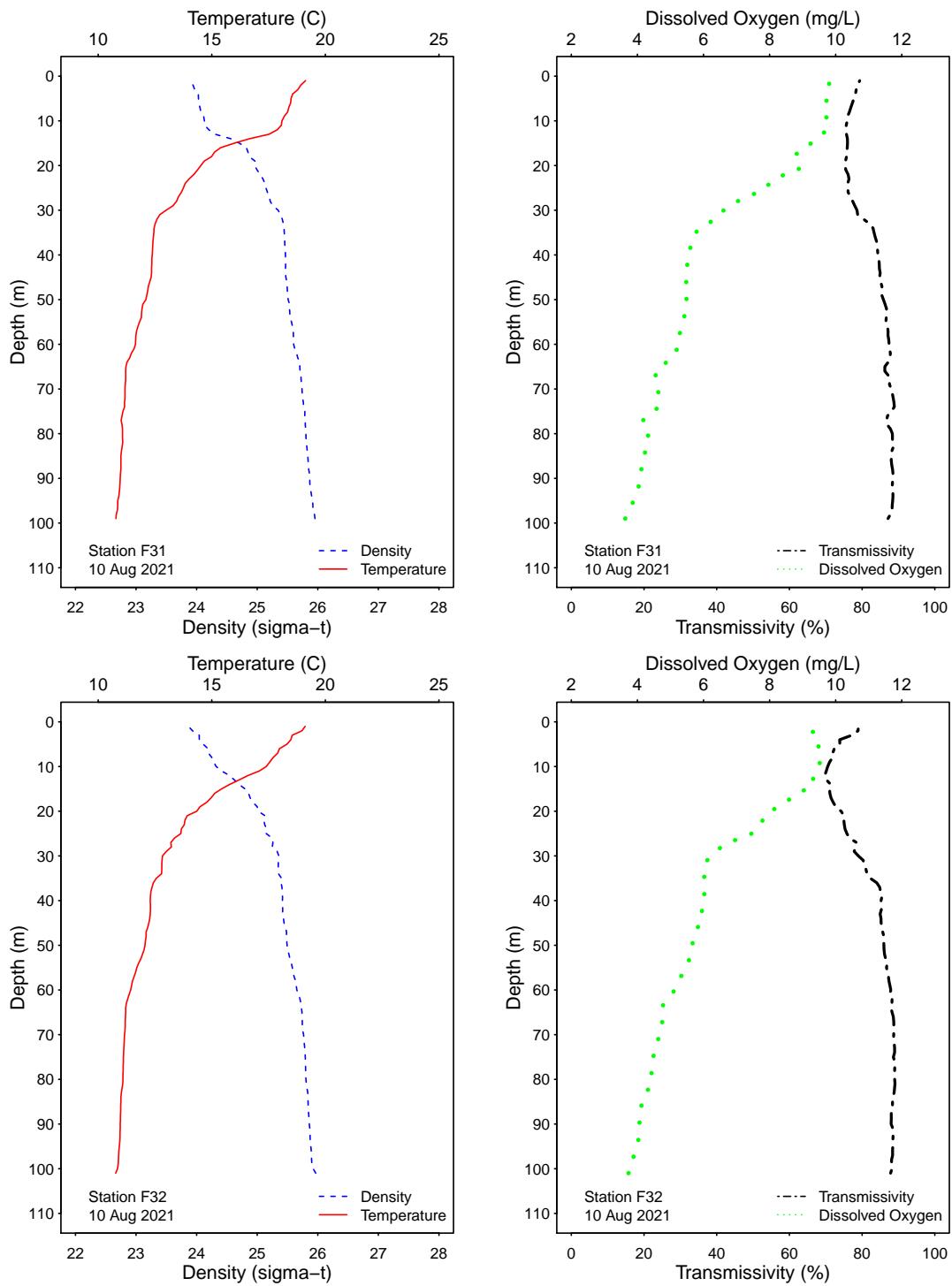


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

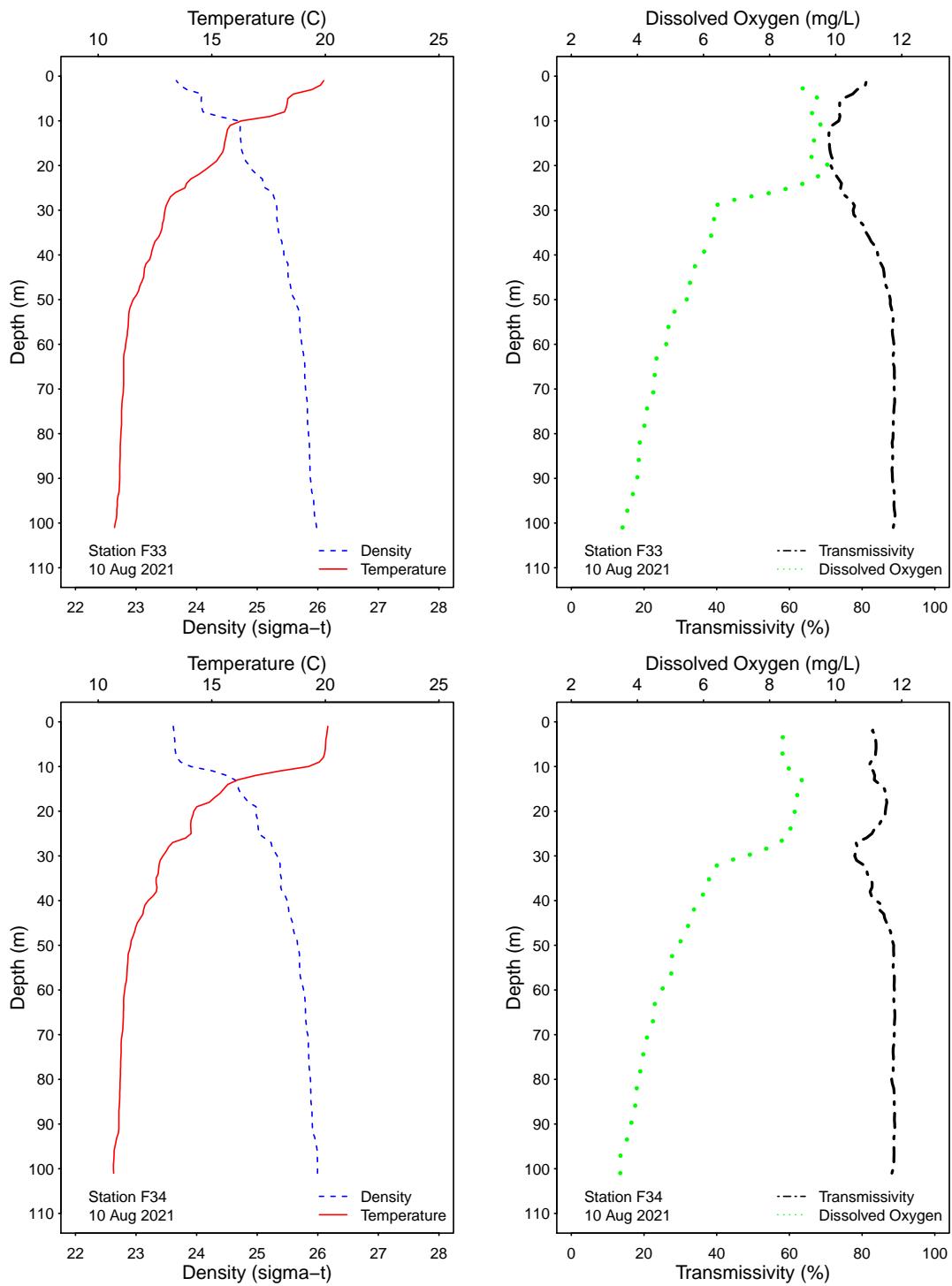


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

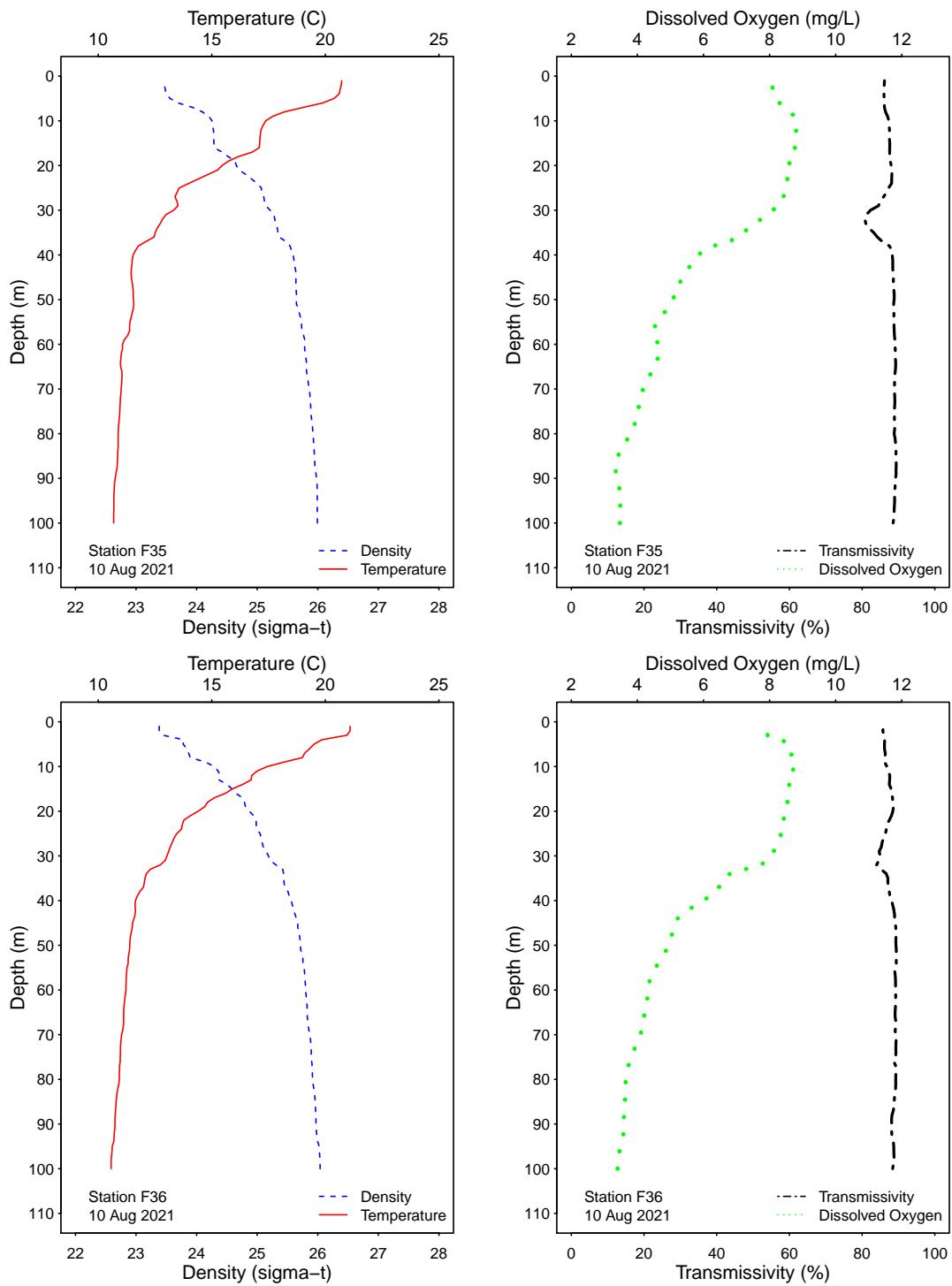


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

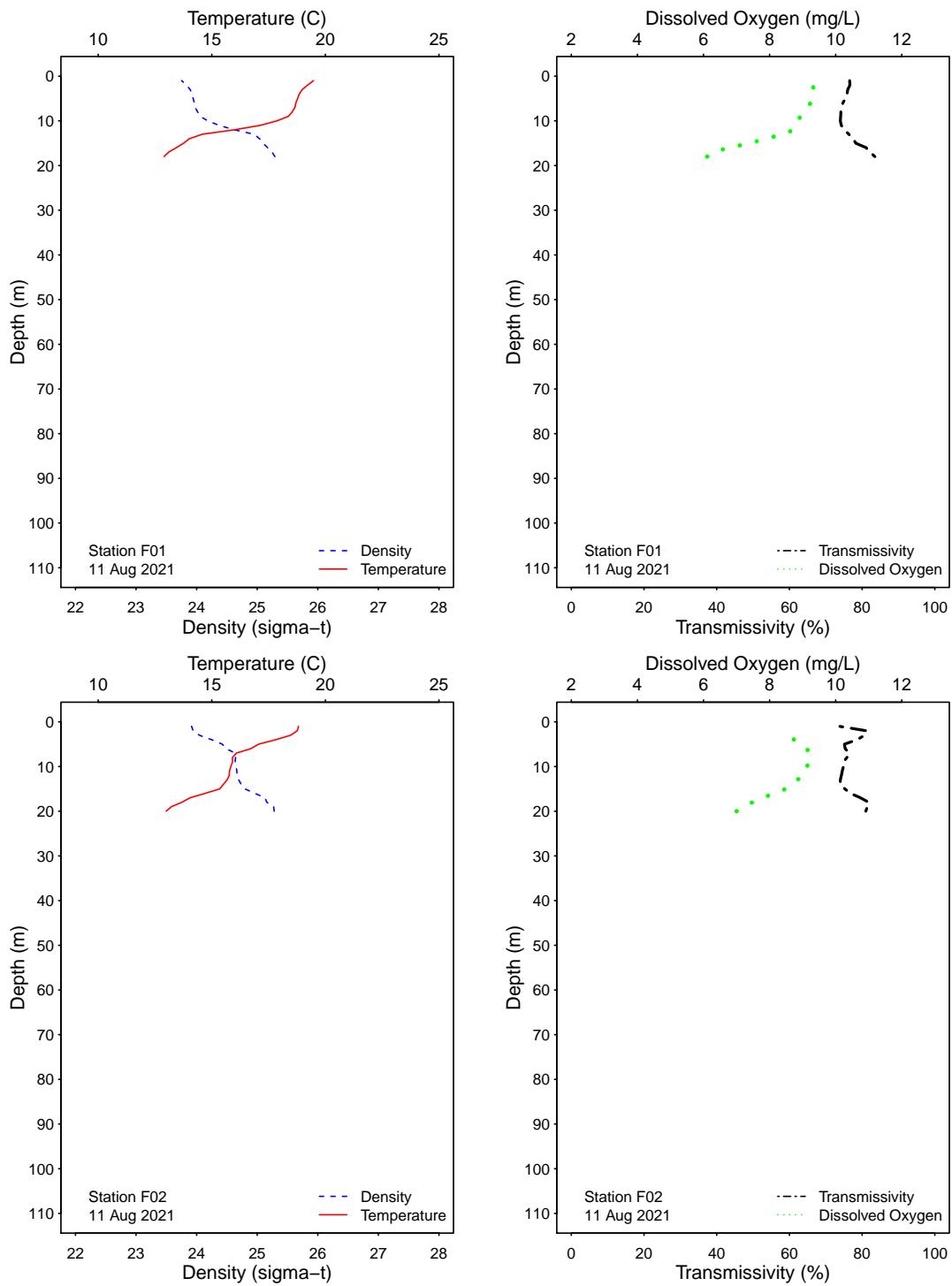


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

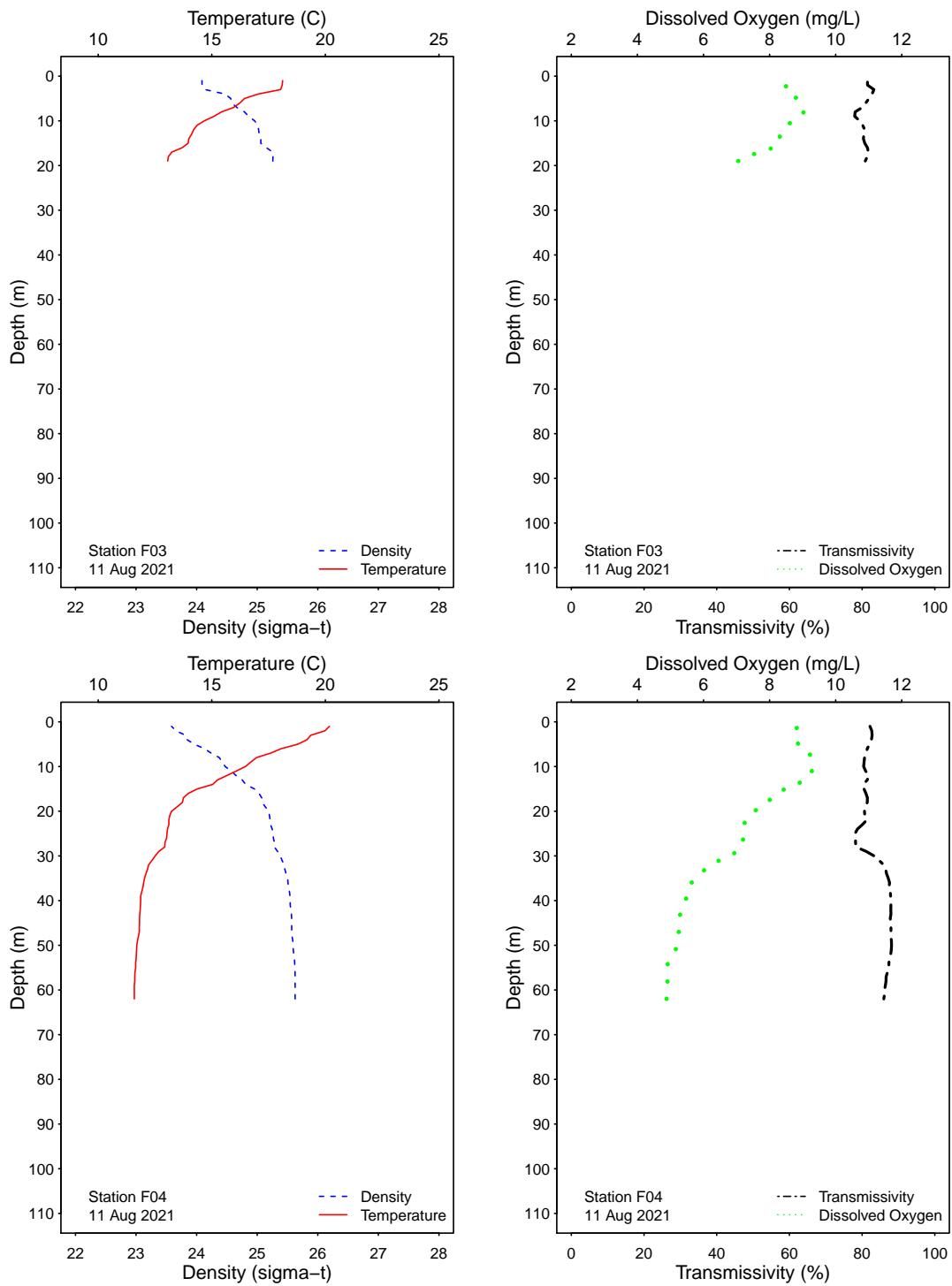


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

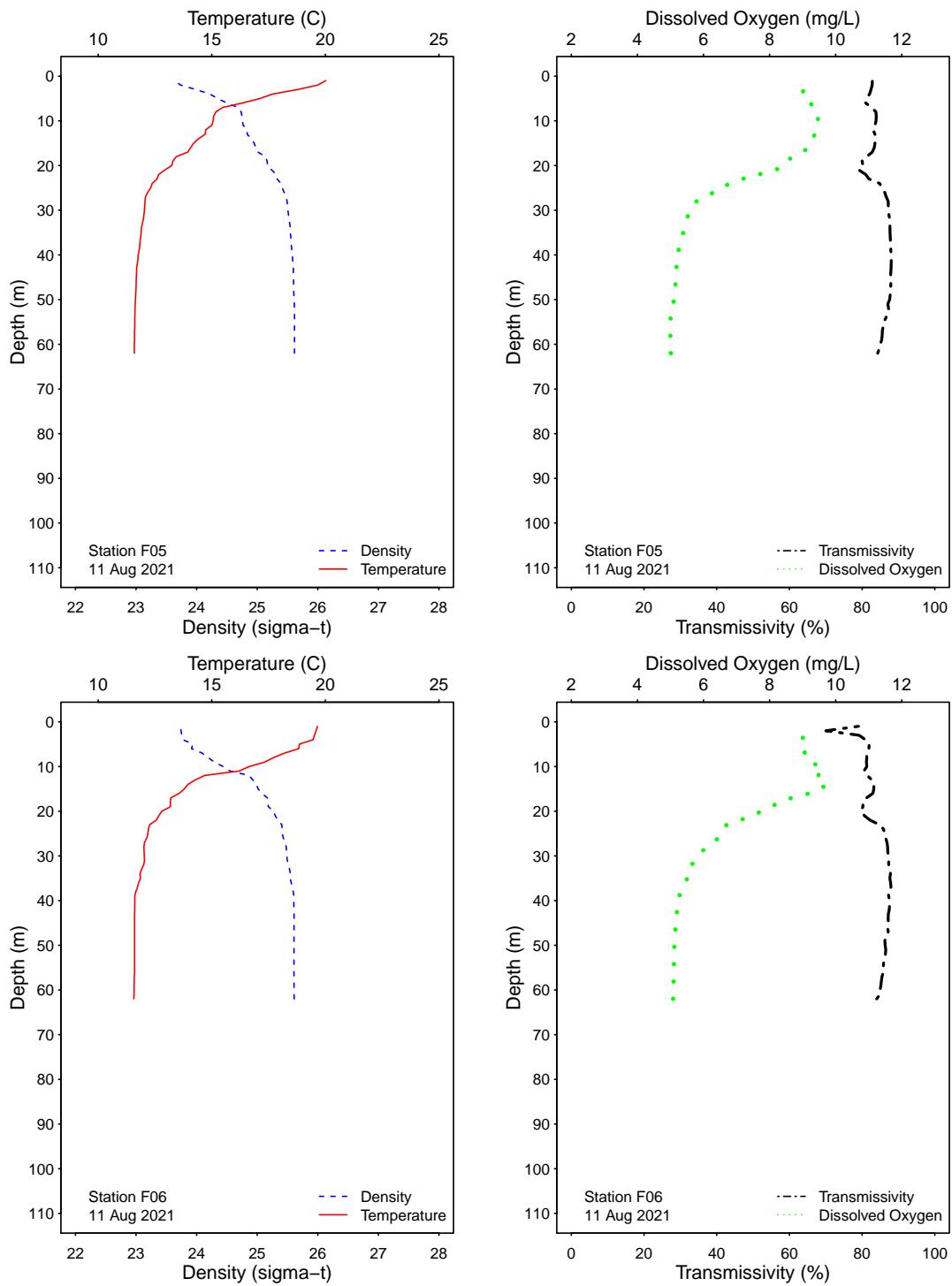


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

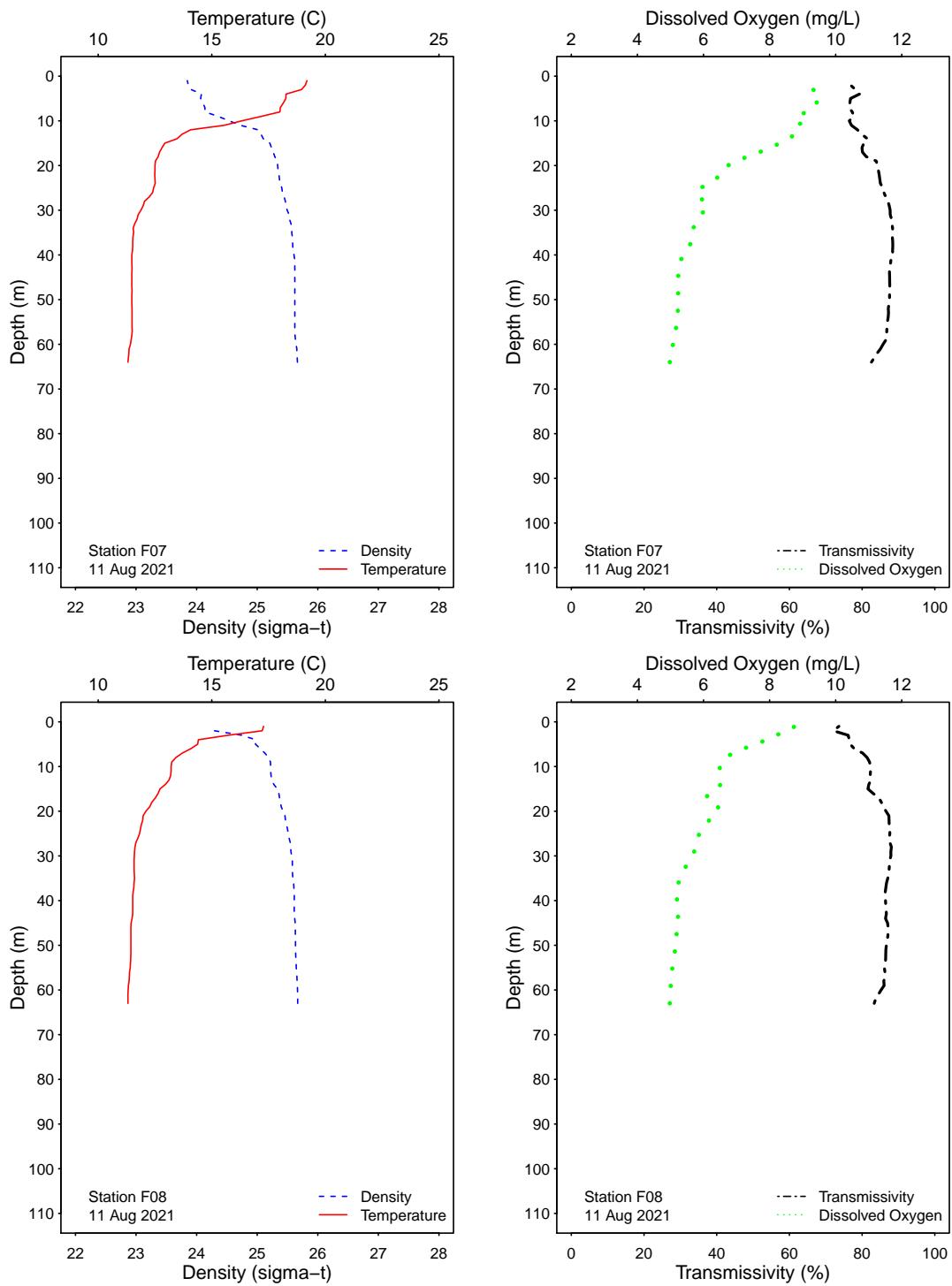


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

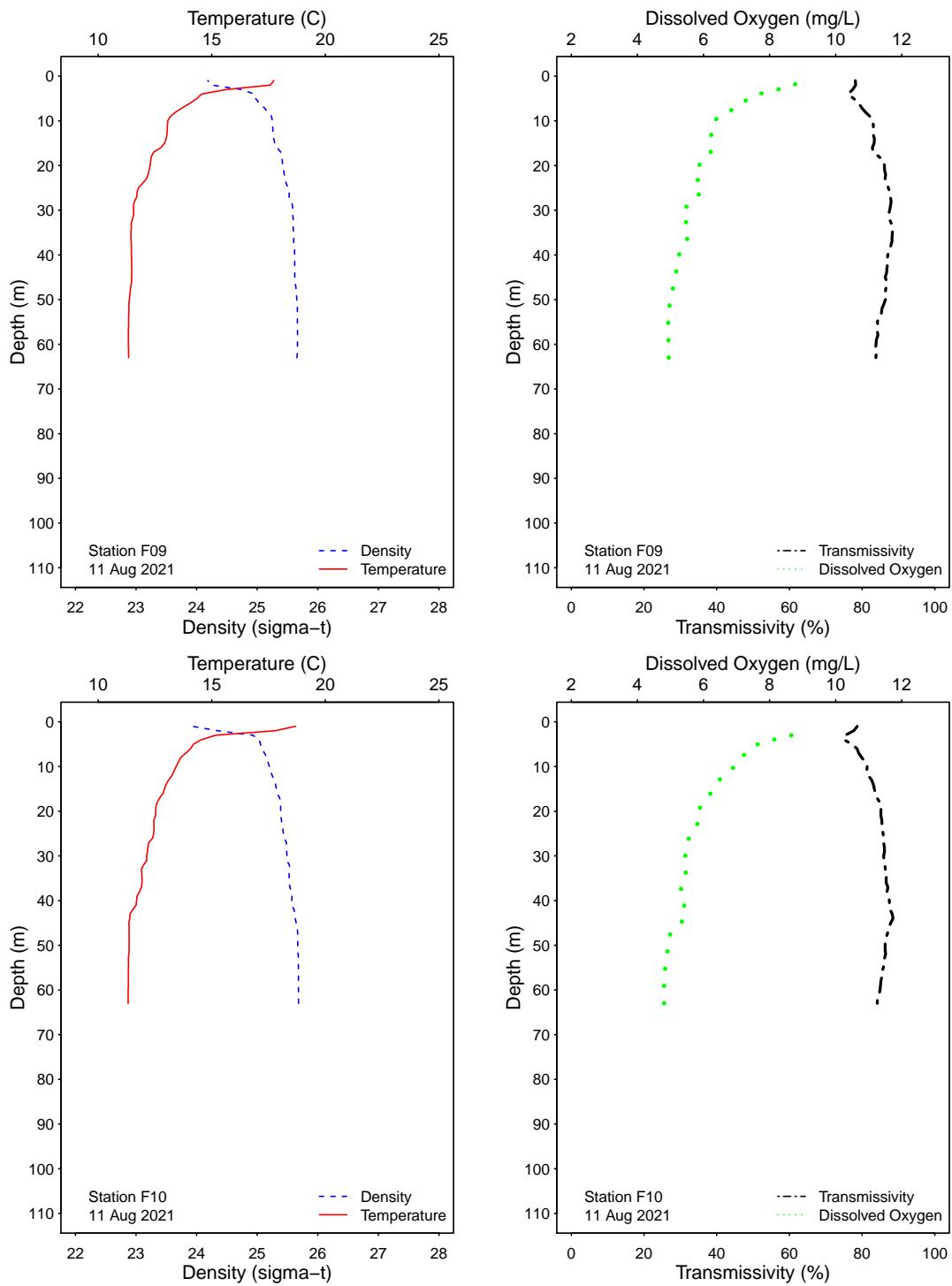


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

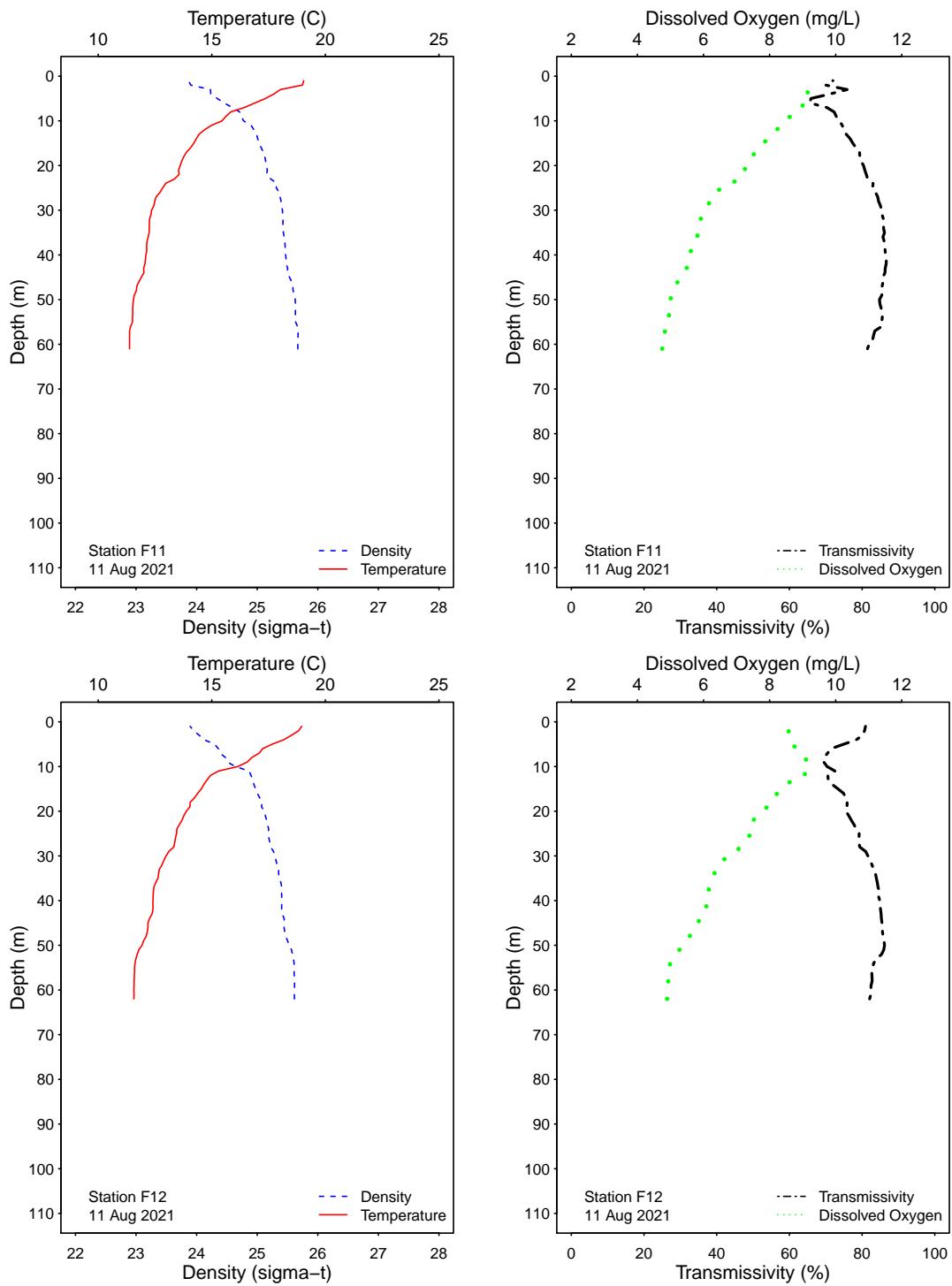


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

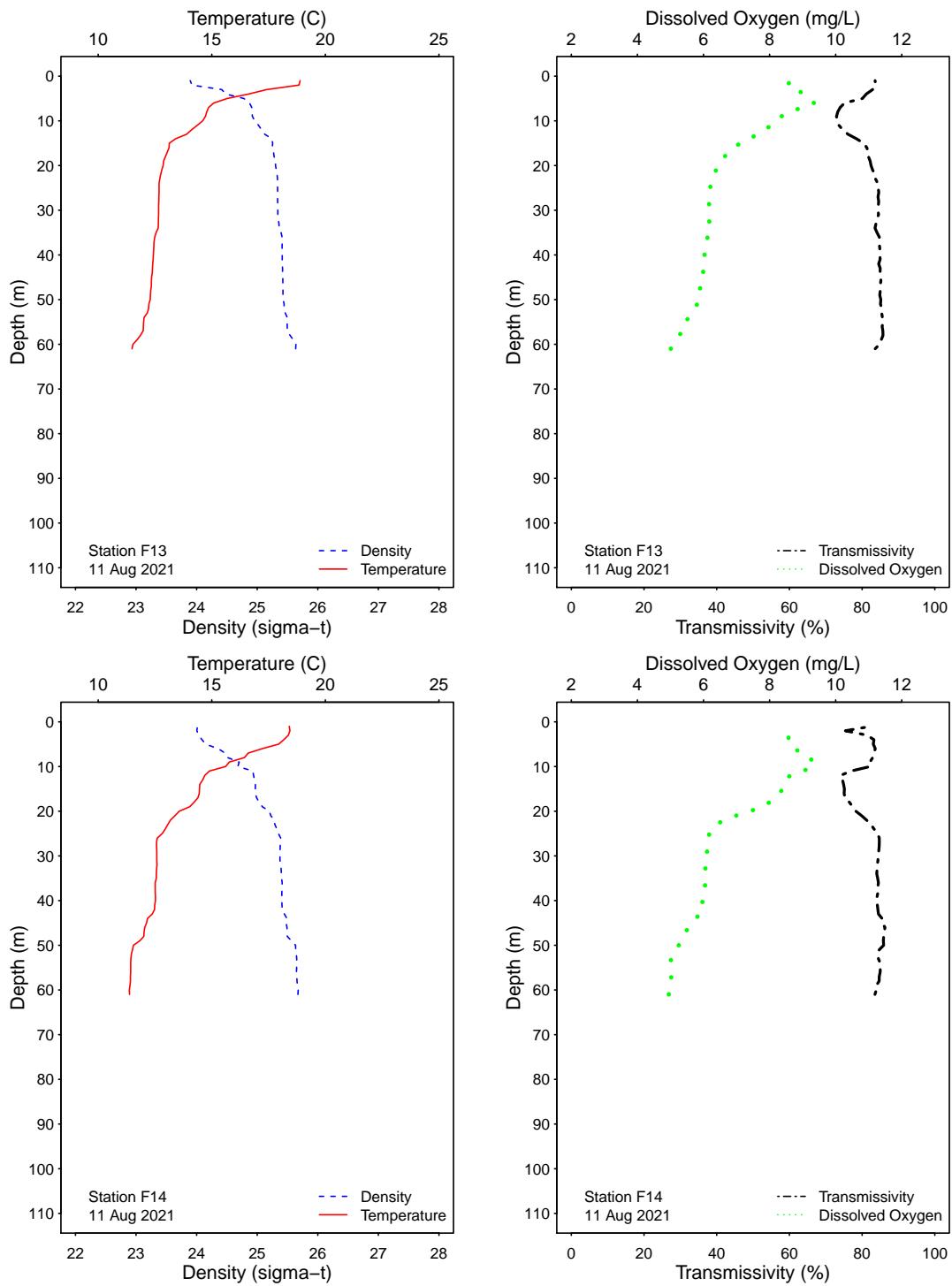


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

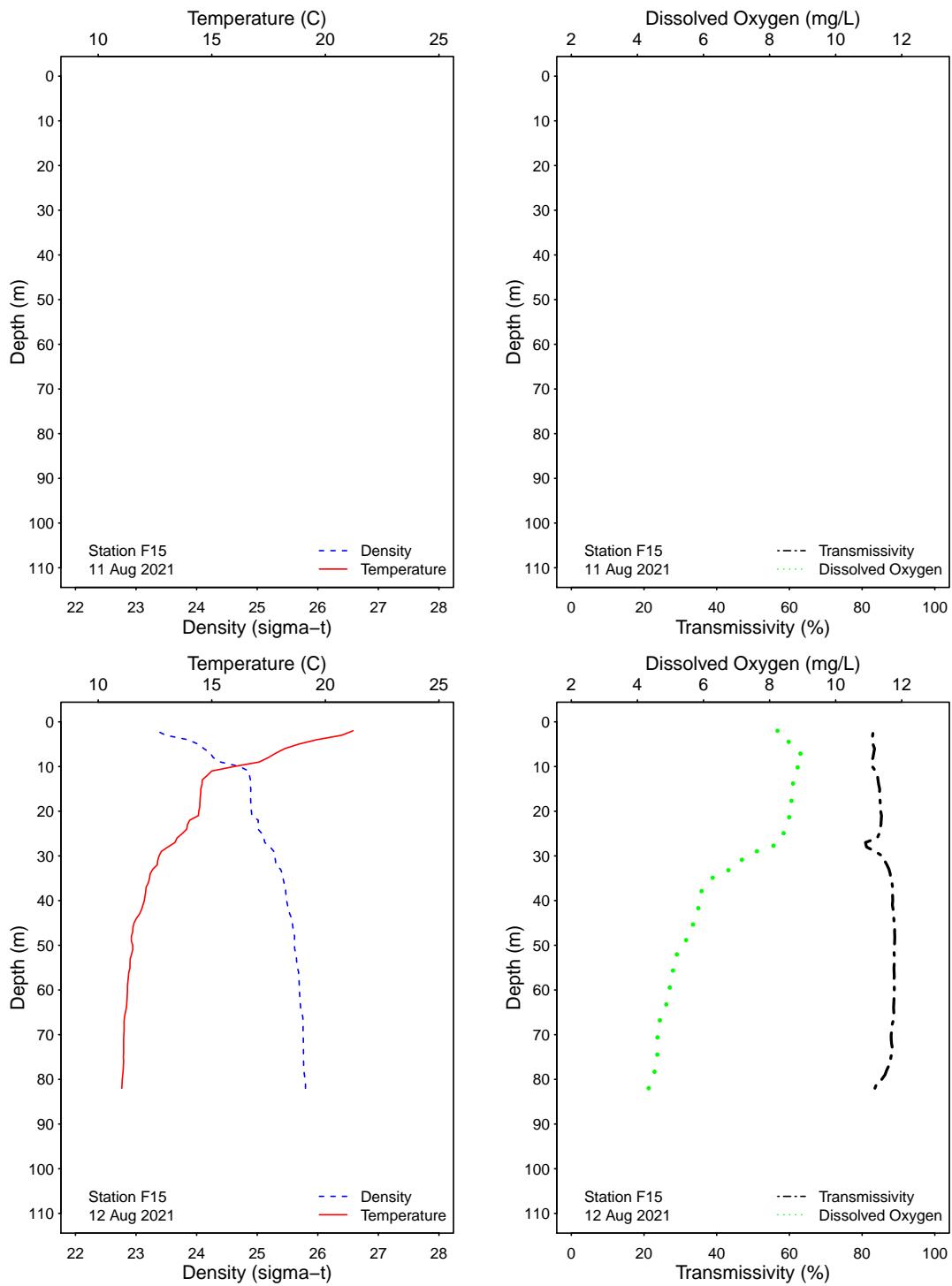


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

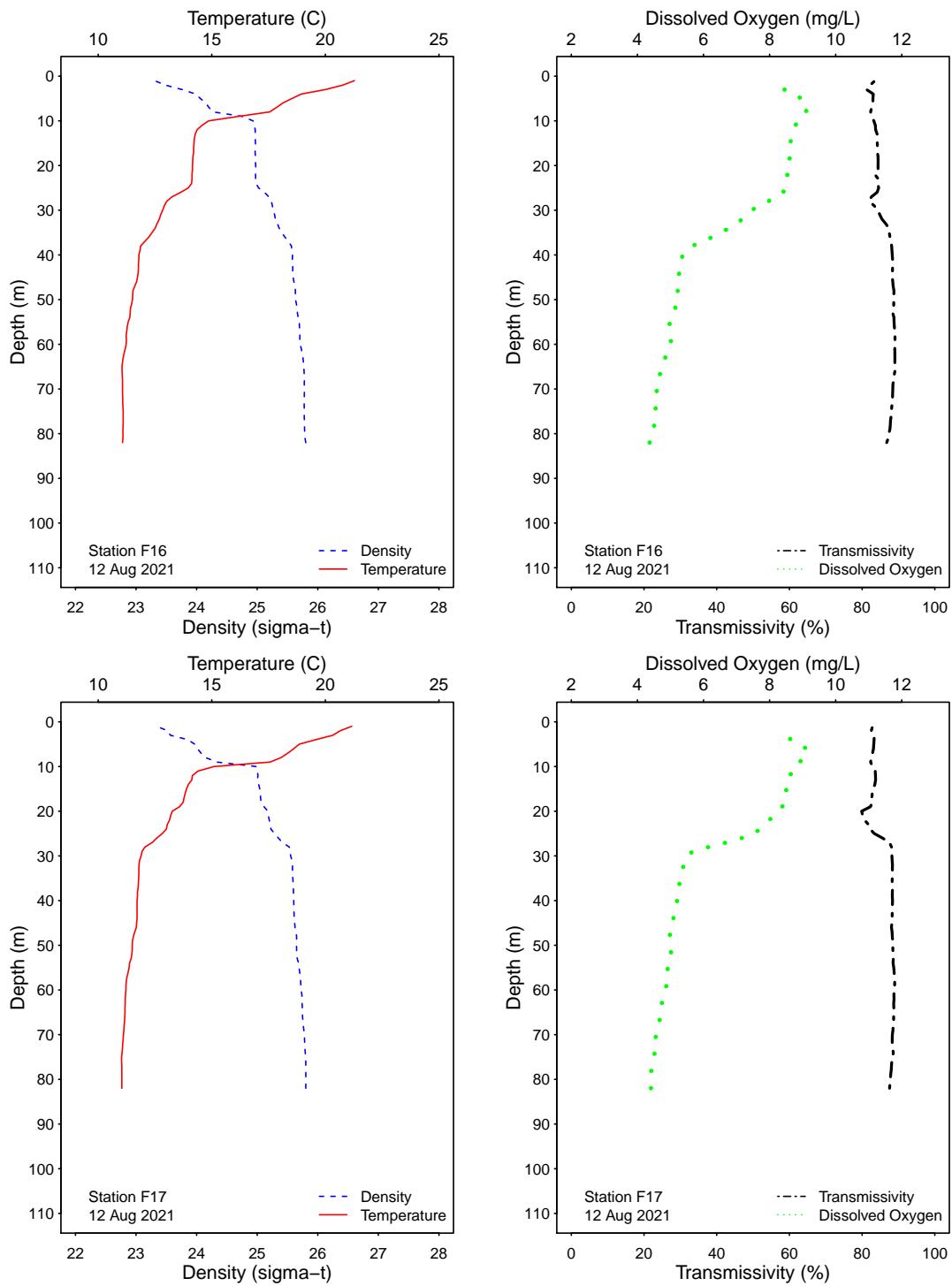


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

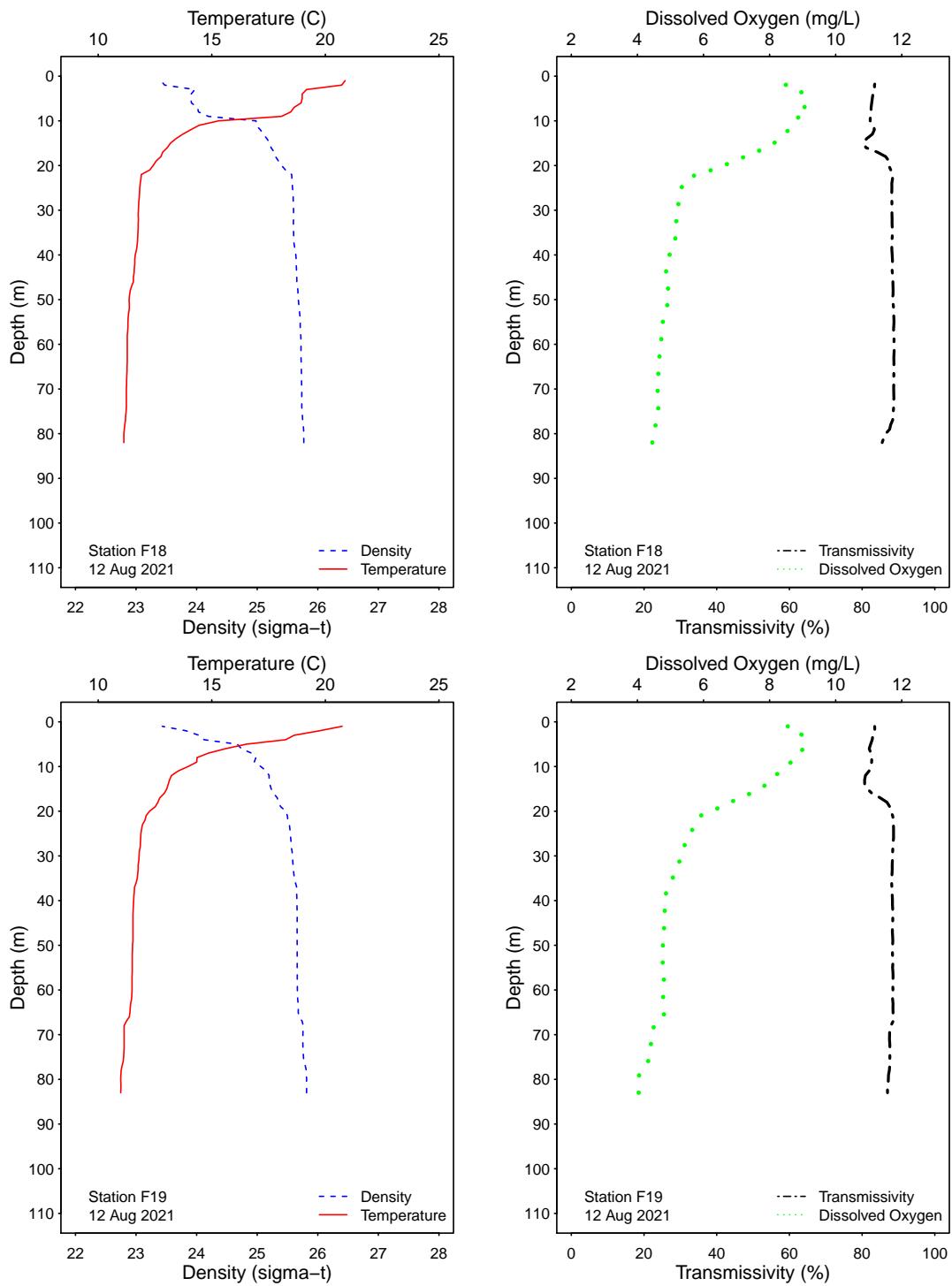


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

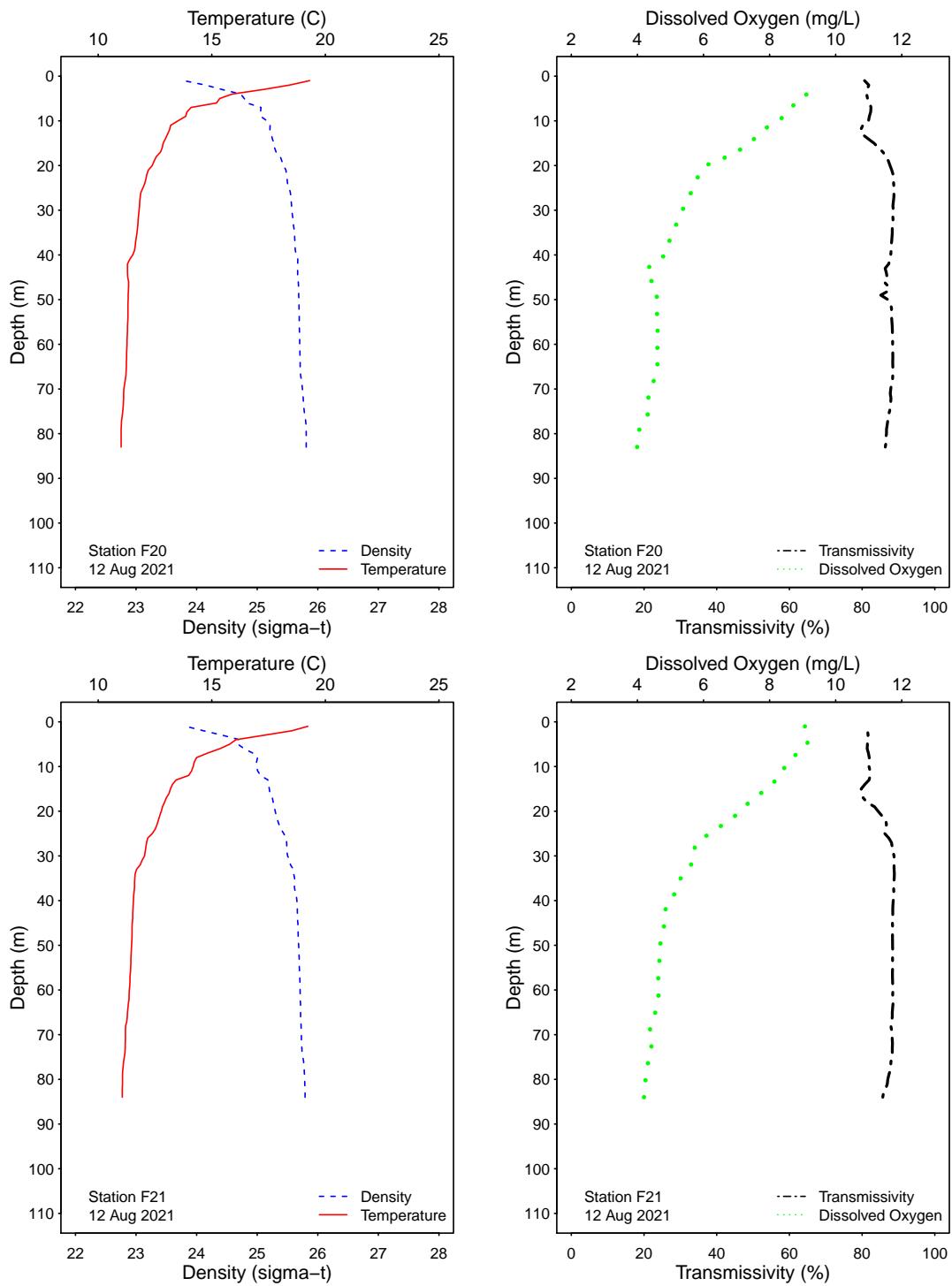


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

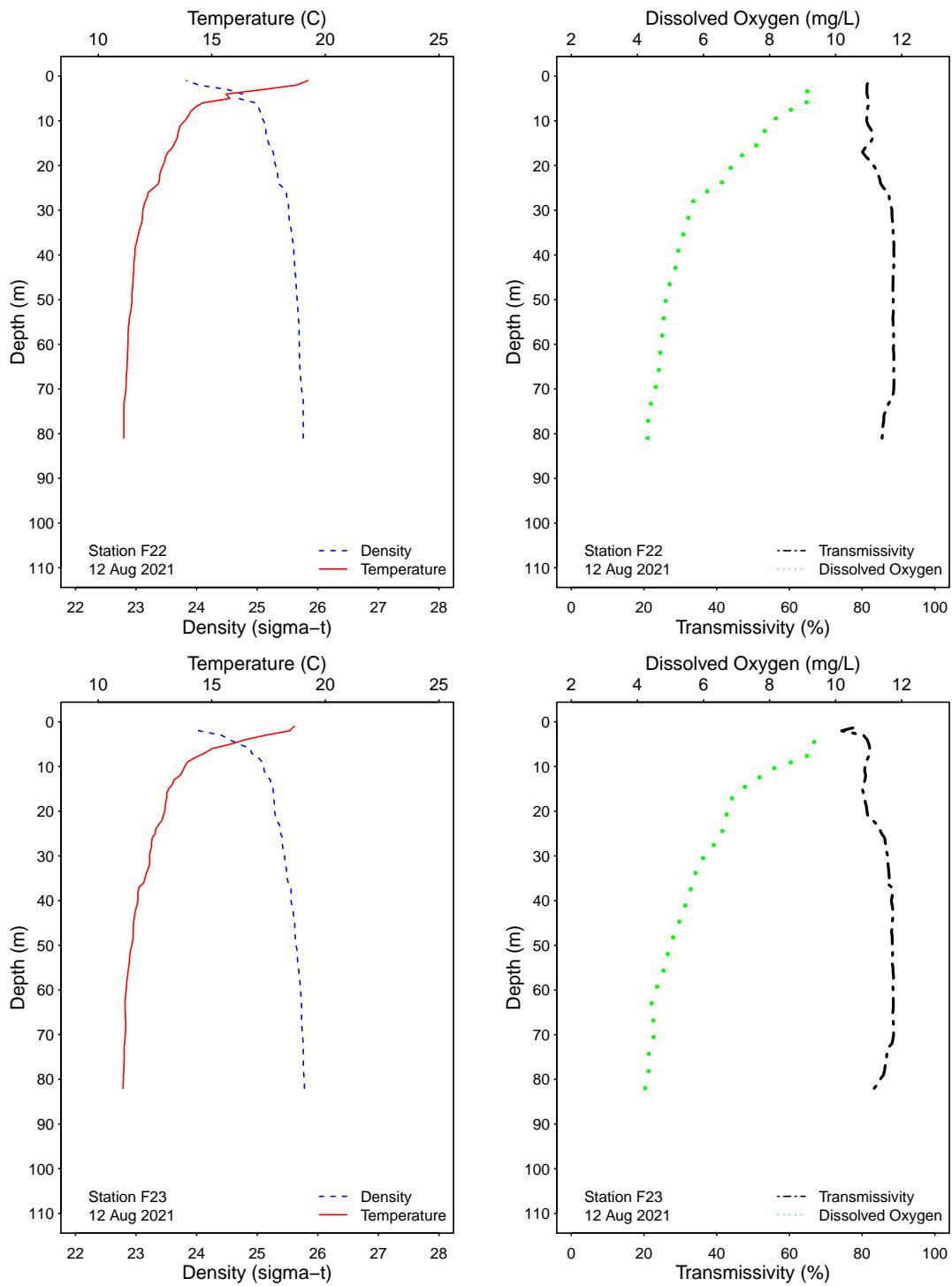


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

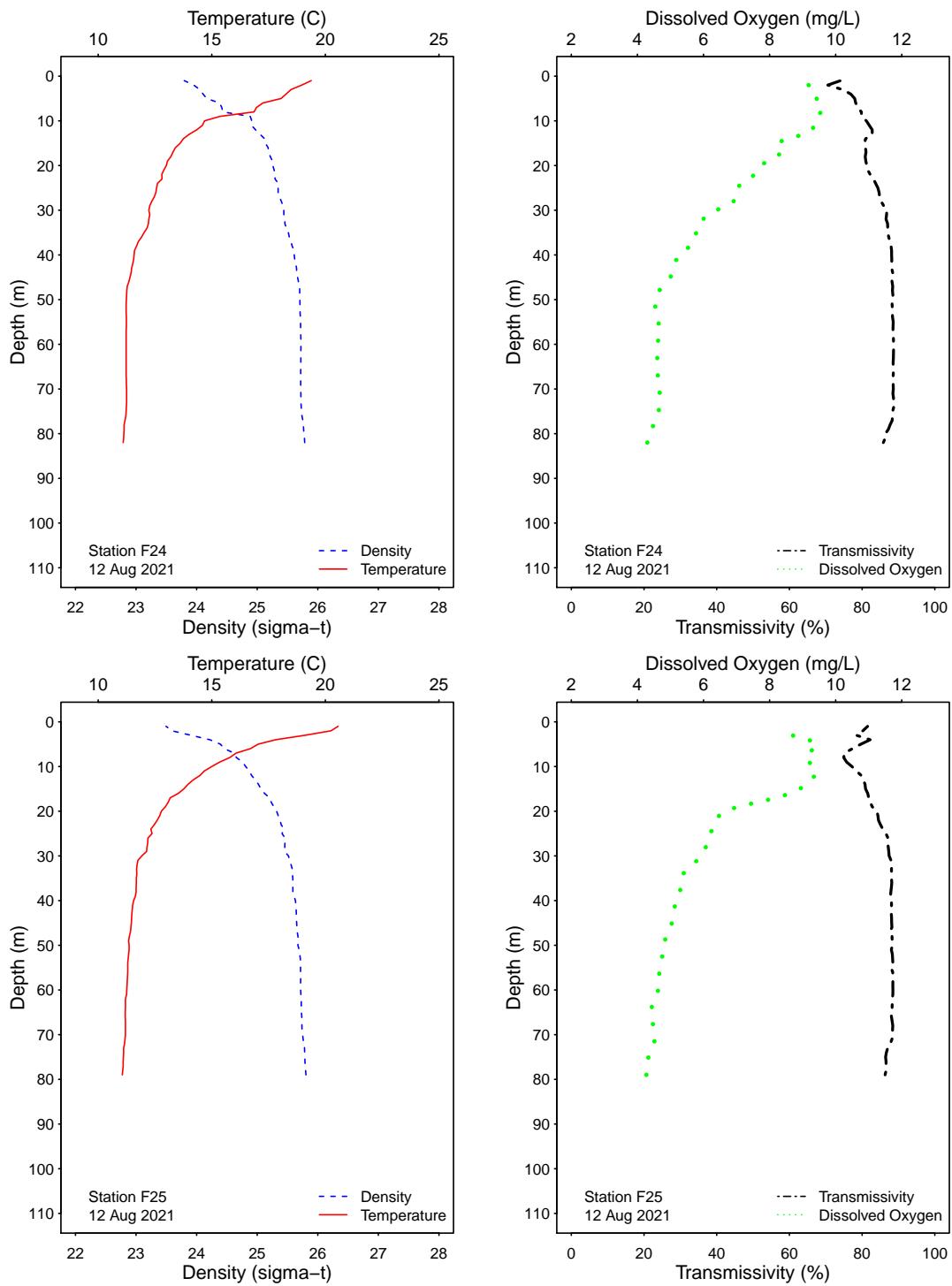


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

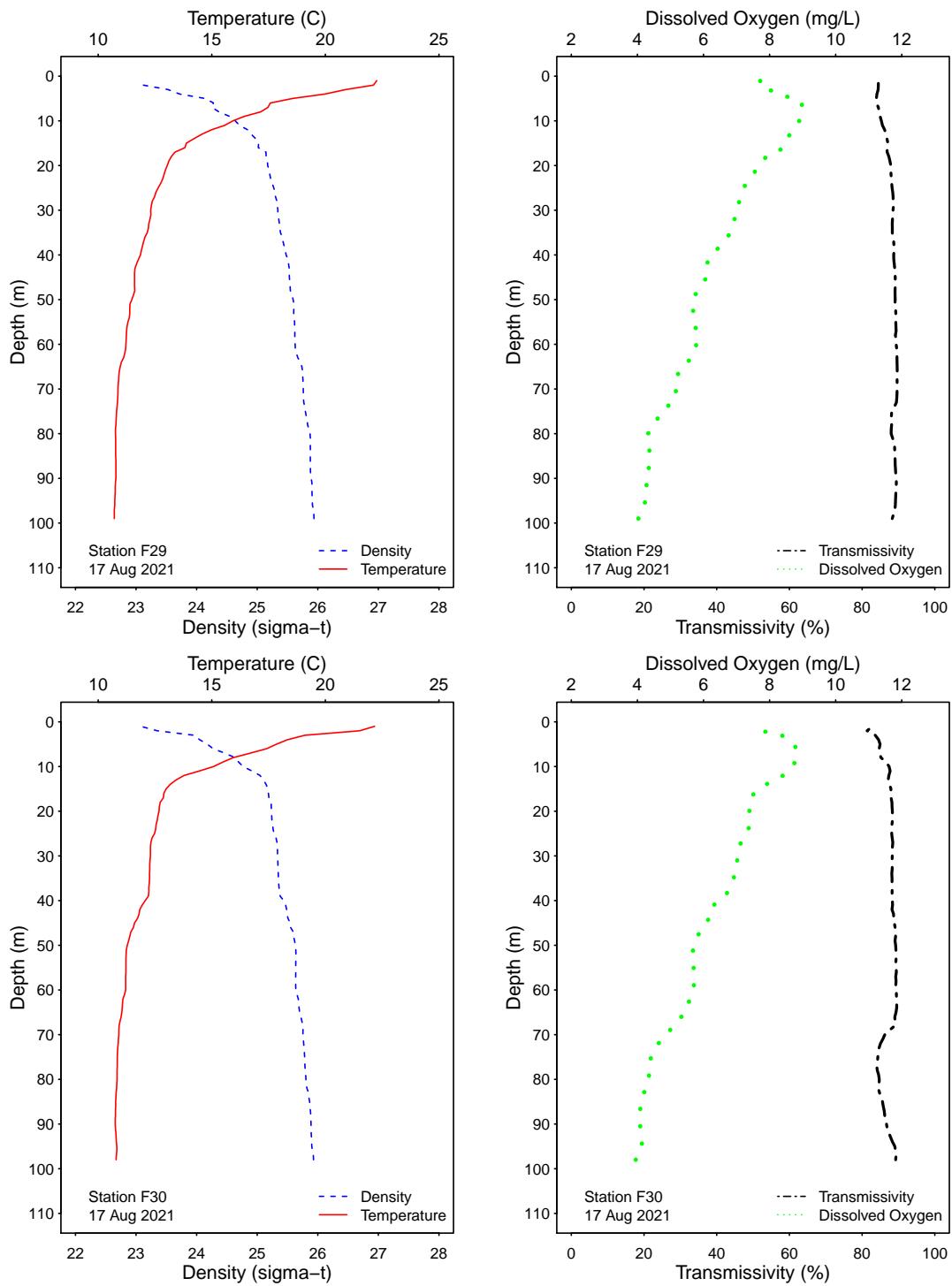


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

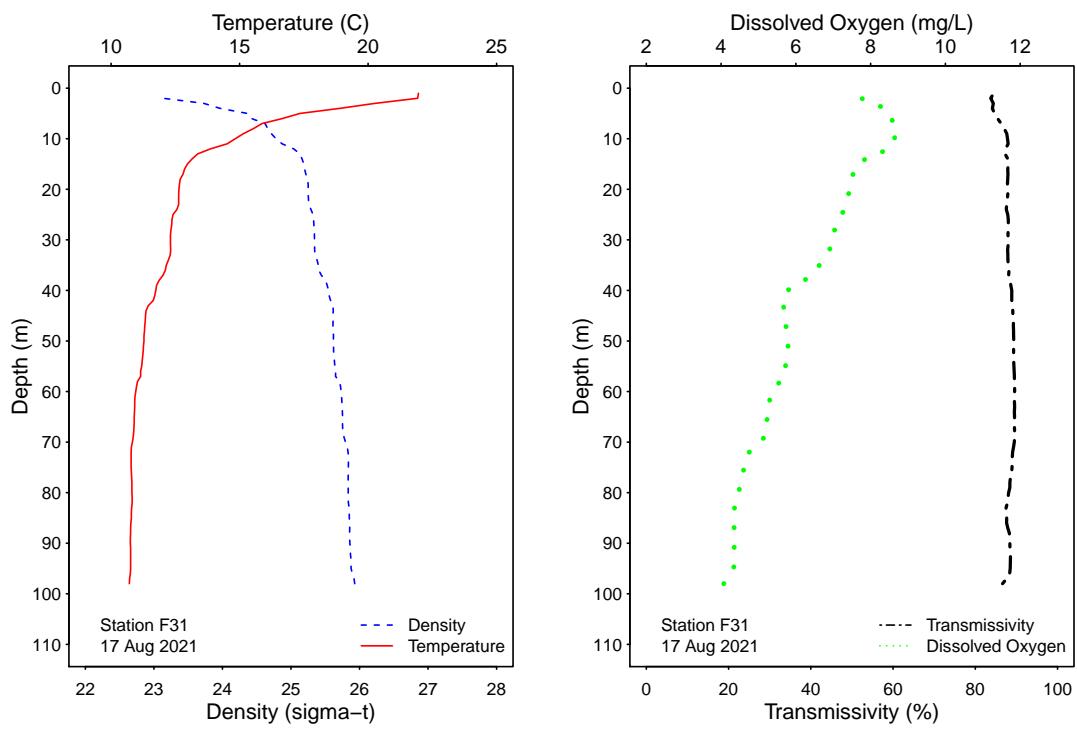


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	02 Aug 2021	18	HF	LAB DUPLICATE	2e	2e	<2
A7	09 Aug 2021	18	BS	LAB DUPLICATE	20e	<2	<2
A7	17 Aug 2021	18	CRE	LAB DUPLICATE	10e	<2	<2
A7	24 Aug 2021	18	BS	LAB DUPLICATE	<2	<2	<2
A7	31 Aug 2021	18	BS	LAB DUPLICATE	<2	<2	<2
C7	02 Aug 2021	18	BS	LAB DUPLICATE	40e	<2	<2
C7	09 Aug 2021	18	BS	LAB DUPLICATE	6e	<2	<2
C7	17 Aug 2021	18	AR	LAB DUPLICATE	<2	<2	<2
C7	24 Aug 2021	18	BS	LAB DUPLICATE	2e	2e	<2
C7	31 Aug 2021	18	BS	LAB DUPLICATE	<2	<2	2e
C8	02 Aug 2021	12	BS	LAB DUPLICATE	2e	<2	<2
C8	09 Aug 2021	12	BS	LAB DUPLICATE	<2	<2	<2
C8	17 Aug 2021	12	AR	LAB DUPLICATE	<2	<2	<2
C8	24 Aug 2021	12	BS	LAB DUPLICATE	<2	<2	<2
C8	31 Aug 2021	12	BS	LAB DUPLICATE	<2	<2	<2
D12	04 Aug 2021		AR	FIELD DUPLICATE	2e	<2	<2
D12	04 Aug 2021		AR	LAB DUPLICATE	<2	2e	<2
D12	11 Aug 2021		KA	FIELD DUPLICATE	<20	2e	4e
D12	11 Aug 2021		KA	LAB DUPLICATE	4e	<2	2e
D12	18 Aug 2021		HF	FIELD DUPLICATE	<20	2e	<2
D12	18 Aug 2021		HF	LAB DUPLICATE	<20	2e	2e
D12	25 Aug 2021		JF	FIELD DUPLICATE	<20	4e	<2
D12	25 Aug 2021		JF	LAB DUPLICATE	2e	2e	<2
F01	11 Aug 2021	12	CRE	LAB DUPLICATE	ns	ns	<2
F02	11 Aug 2021	12	HF	LAB DUPLICATE	ns	ns	<2
F07	11 Aug 2021	60	JF	LAB DUPLICATE	ns	ns	<2
F08	11 Aug 2021	60	JF	LAB DUPLICATE	ns	ns	<2
F11	11 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	18e
F17	12 Aug 2021	80	CRE	LAB DUPLICATE	ns	ns	<2
F18	12 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	<2
F19	12 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	<2
F20	12 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	500
F21	12 Aug 2021	80	CRE	LAB DUPLICATE	ns	ns	260e
F28	10 Aug 2021	60	KA	LAB DUPLICATE	ns	ns	<2
F29	10 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	4e
F30	10 Aug 2021	60	BA	LAB DUPLICATE	ns	ns	920
F31	10 Aug 2021	80	JF	LAB DUPLICATE	ns	ns	280e
F32	10 Aug 2021	80	HF	LAB DUPLICATE	ns	ns	12e
F34	10 Aug 2021	60	CRE	LAB DUPLICATE	ns	ns	10e

ns = not sampled

ND = no data

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APPENDIX B

New 2019 Ocean Plan Water Quality Objectives

Shore Stations

Table 2.2

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

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

* 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 Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

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

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Kelp Stations

Table 3.2

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 Aug 2021	2	2	2	2	2	2	2	2
02 Aug 2021	2	2	2	2	2	2	2	2
03 Aug 2021	2	2	2	2	2	2	2	2
04 Aug 2021	2	2	2	2	2	2	2	2
05 Aug 2021	2	2	2	2	2	2	2	2
06 Aug 2021	2	2	2	2	2	2	2	2
07 Aug 2021	2	2	2	2	2	2	2	2
08 Aug 2021	2	2	2	2	2	2	2	2
09 Aug 2021	2	2	2	2	2	2	2	2
10 Aug 2021	2	2	2	2	2	2	2	2
11 Aug 2021	2	2	2	2	2	2	2	2
12 Aug 2021	2	2	2	2	2	2	2	2
13 Aug 2021	2	2	2	2	2	2	2	2
14 Aug 2021	2	2	2	2	2	2	2	2
15 Aug 2021	2	2	2	2	2	2	2	2
16 Aug 2021	2	2	2	2	2	2	2	2
17 Aug 2021	2	2	2	2	2	2	2	2
18 Aug 2021	2	2	2	2	2	2	2	2
19 Aug 2021	2	2	2	2	2	2	2	2
20 Aug 2021	2	2	2	2	2	2	2	2
21 Aug 2021	2	2	2	2	2	2	2	2
22 Aug 2021	2	2	2	2	2	2	2	2
23 Aug 2021	2	2	2	2	2	2	2	2
24 Aug 2021	2	2	2	2	2	2	2	2
25 Aug 2021	2	2	2	2	2	2	2	2
26 Aug 2021	2	2	2	2	2	2	2	2
27 Aug 2021	2	2	2	2	2	2	2	2
28 Aug 2021	2	2	2	2	2	2	2	2
29 Aug 2021	2	2	2	2	2	2	2	2
30 Aug 2021	2	2	2	2	2	2	2	2
31 Aug 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 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
August	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data