



POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

**POINT LOMA
WASTEWATER TREATMENT PLANT**

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

FEBRUARY 2022

Environmental Monitoring and Technical Services
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March 31, 2022

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the February 2022 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 2022 Quality Assurance Report, which will be completed in March 2023.

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 February 2, 9, 16, and 23.
- During February, 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 single sample maximum (SSM) standard for *Enterococcus* was exceeded at station D11.
- A sewage-like odor was observed at stations D5, D9, and D11 on one or more days in February.
- 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 February 7, 17, and 25.
- During February, each of the eight kelp bed stations was in compliance with the various 2015 Ocean Plan water contact standards.
- Water column temperatures ranged from 12.47 to 15.28°C. The difference between surface and bottom waters ranged from 0.07 to 2.34°C.
- Chlorophyll *a* concentrations ranged from 0.67 to 5.98 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on February 8, 9, and 10.
- During February, 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 80 m or deeper at stations F19 and F20 on February 10th.
- Of the remaining 21 offshore stations, five 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 F26, F28, F30, and F32 on February 8th at 80 m, and F21 on February 10th at 80 m.
- During February, water column temperatures ranged from 10.52 to 15.76°C. The difference between surface and bottom waters ranged from 1.24 to 5.01°C.
- Chlorophyll *a* concentrations ranged from 0.43 to 3.54 µg/L at the offshore stations during the month.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES



Figure 1.1 Station Map

Shore Stations

Table 2.1

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Feb 2022	4	18	7	24	43	31	16	6
02 Feb 2022	3	11	5	35	46	29	25	5
03 Feb 2022	3	11	5	35	46	29	25	5
04 Feb 2022	2	8	7	40	56	32	26	3
05 Feb 2022	2	8	7	40	56	32	26	3
06 Feb 2022	2	8	7	40	56	32	26	3
07 Feb 2022	2	8	7	40	56	32	26	3
08 Feb 2022	2	8	7	40	56	32	26	3
09 Feb 2022	2	6	5	25	38	36	31	3
10 Feb 2022	2	6	5	25	38	36	31	3
11 Feb 2022	2	4	6	27	22	27	26	3
12 Feb 2022	2	4	6	27	22	27	26	3
13 Feb 2022	2	4	6	27	22	27	26	3
14 Feb 2022	2	4	6	27	22	27	26	3
15 Feb 2022	2	4	6	27	22	27	26	3
16 Feb 2022	3	6	9	31	22	30	25	4
17 Feb 2022	3	6	9	31	22	30	25	4
18 Feb 2022	4	8	5	30	22	33	35	4
19 Feb 2022	4	8	5	30	22	33	35	4
20 Feb 2022	4	8	5	30	22	33	35	4
21 Feb 2022	4	8	5	30	22	33	35	4
22 Feb 2022	4	8	5	30	22	33	35	4
23 Feb 2022	5	14	7	31	17	47	79	6
24 Feb 2022	5	14	7	31	17	47	79	6
25 Feb 2022	6	13	8	35	15	58	133	8
26 Feb 2022	6	13	8	35	15	58	133	8
27 Feb 2022	6	13	8	35	15	58	133	8
28 Feb 2022	6	13	8	35	15	58	133	8

* 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 Feb 2022	4	4	3	11	11	10	13	2
02 Feb 2022	3	4	2	12	8	10	18	2
03 Feb 2022	3	4	2	12	8	10	18	2
04 Feb 2022	2	5	3	11	11	8	18	2
05 Feb 2022	2	5	3	11	11	8	18	2
06 Feb 2022	2	5	3	11	11	8	18	2
07 Feb 2022	2	5	3	11	11	8	18	2
08 Feb 2022	2	5	3	11	11	8	18	2
09 Feb 2022	2	4	2	8	8	10	19	2
10 Feb 2022	2	4	2	8	8	10	19	2
11 Feb 2022	2	4	3	6	5	8	16	2
12 Feb 2022	2	4	3	6	5	8	16	2
13 Feb 2022	2	4	3	6	5	8	16	2
14 Feb 2022	2	4	3	6	5	8	16	2
15 Feb 2022	2	4	3	6	5	8	16	2
16 Feb 2022	2	3	3	8	6	7	11	2
17 Feb 2022	2	3	3	8	6	7	11	2
18 Feb 2022	2	4	3	9	5	7	16	2
19 Feb 2022	2	4	3	9	5	7	16	2
20 Feb 2022	2	4	3	9	5	7	16	2
21 Feb 2022	2	4	3	9	5	7	16	2
22 Feb 2022	2	4	3	9	5	7	16	2
23 Feb 2022	2	4	3	7	5	10	20	2
24 Feb 2022	2	4	3	7	5	10	20	2
25 Feb 2022	3	3	2	6	4	15	20	2
26 Feb 2022	3	3	2	6	4	15	20	2
27 Feb 2022	3	3	2	6	4	15	20	2
28 Feb 2022	3	3	2	6	4	15	20	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 Feb 2022	2	2	3	6	5	27	18	2
02 Feb 2022	2	2	2	8	6	25	23	2
03 Feb 2022	2	2	2	8	6	25	23	2
04 Feb 2022	2	2	3	9	7	23	22	2
05 Feb 2022	2	2	3	9	7	23	22	2
06 Feb 2022	2	2	3	9	7	23	22	2
07 Feb 2022	2	2	3	9	7	23	22	2
08 Feb 2022	2	2	3	9	7	23	22	2
09 Feb 2022	2	2	2	7	6	20	22	2
10 Feb 2022	2	2	2	7	6	20	22	2
11 Feb 2022	2	2	2	5	3	13	18	2
12 Feb 2022	2	2	2	5	3	13	18	2
13 Feb 2022	2	2	2	5	3	13	18	2
14 Feb 2022	2	2	2	5	3	13	18	2
15 Feb 2022	2	2	2	5	3	13	18	2
16 Feb 2022	2	2	2	8	3	15	17	3
17 Feb 2022	2	2	2	8	3	15	17	3
18 Feb 2022	2	2	2	12	4	15	20	3
19 Feb 2022	2	2	2	12	4	15	20	3
20 Feb 2022	2	2	2	12	4	15	20	3
21 Feb 2022	2	2	2	12	4	15	20	3
22 Feb 2022	2	2	2	12	4	15	20	3
23 Feb 2022	2	2	3	8	3	22	30	3
24 Feb 2022	2	2	3	8	3	22	30	3
25 Feb 2022	2	2	3	9	4	26	30	3
26 Feb 2022	2	2	3	9	4	26	30	3
27 Feb 2022	2	2	3	9	4	26	30	3
28 Feb 2022	2	2	3	9	4	26	30	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
02 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
23 Feb 2022	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
02 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
23 Feb 2022	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
02 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
23 Feb 2022	IC	IC	IC	IC	IC	IC	E	IC
25 Feb 2022	ns	ns	ns	ns	ns	ns	IC	ns

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
02 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2022	IC	IC	IC	IC	IC	IC	IC	IC
23 Feb 2022	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	02 Feb 2022	743	<2	<2	<2	1.00
D4	09 Feb 2022	1021	<2	<2	<2	1.00
D4	16 Feb 2022	750	<20	2e	<2	0.10
D4	23 Feb 2022	807	12e	6e	2e	0.50
D5	02 Feb 2022	757	2e	4e	2e	2.00
D5	09 Feb 2022	1035	2e	<2	<2	1.00
D5	16 Feb 2022	802	40e	<2	4e	0.05
D5	23 Feb 2022	828	<200	4e	2e	0.02
D7	02 Feb 2022	827	<2	2e	<2	1.00
D7	09 Feb 2022	952	<2	<2	<2	1.00
D7	16 Feb 2022	827	40e	4e	2e	0.10
D7	23 Feb 2022	903	<20	2e	12e	0.10
D8-B	02 Feb 2022	842	160e	20e	22e	0.12
D8-B	09 Feb 2022	926	4e	<2	<2	0.50
D8-B	16 Feb 2022	846	60e	<20	68	0.33
D8-B	23 Feb 2022	923	40e	<2	<2	0.05
D9	02 Feb 2022	858	60e	<2	8e	0.03
D9	09 Feb 2022	904	8e	<2	<2	0.25
D9	16 Feb 2022	856	20e	<20	8e	1.00
D9	23 Feb 2022	938	6e	4e	<2	0.67
D10	02 Feb 2022	935	22e	10e	18e	0.45
D10	09 Feb 2022	846	60e	20e	10e	0.33
D10	16 Feb 2022	937	44	6e	26e	0.14
D10	23 Feb 2022	1011	200e	40e	100	0.20
D11	02 Feb 2022	951	130	64	62	0.49
D11	09 Feb 2022	815	60e	26e	22e	0.43
D11	16 Feb 2022	948	20e	2e	12e	0.10
D11	23 Feb 2022	1024	2000e	46	140e	0.02
D11	25 Feb 2022	927	ns	ns	10e	ns
D12	02 Feb 2022	1021	2e	2e	<2	1.00
D12	09 Feb 2022	750	2e	<2	<2	1.00
D12	16 Feb 2022	1049	<20	4e	8e	0.20
D12	23 Feb 2022	1135	40e	<2	<2	0.05

ns = not sampled

ND = no data

Table 2.9

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

Station	Date	Parameter	Value
D4	02 Feb 2022	Arrive Time	743
D4	02 Feb 2022	Weather	Sunny
D4	02 Feb 2022	Wind Speed (kts)	0.7
D4	02 Feb 2022	Wind Dir	SW
D4	02 Feb 2022	Animal Life	Pelican-1
D4	02 Feb 2022	Floatables	Foam
D4	02 Feb 2022	Water Color	Green
D4	02 Feb 2022	Current Direction	N
D4	02 Feb 2022	Water Temp (C)	15.5
D4	02 Feb 2022	Wave Height Low (ft)	2
D4	02 Feb 2022	High Tide (ft)	6.32
D4	02 Feb 2022	High Tide Time	921
D4	02 Feb 2022	Low Tide (ft)	1.19
D4	02 Feb 2022	Low Tide Time	319
D4	02 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-2; Boater/Kayaker-2; Trash-1; Algae; Seagrass
D4	09 Feb 2022	Arrive Time	1021
D4	09 Feb 2022	Weather	Sunny
D4	09 Feb 2022	Wind Speed (kts)	2.1
D4	09 Feb 2022	Wind Dir	NW
D4	09 Feb 2022	Animal Life	Pelican-1
D4	09 Feb 2022	Floatables	Foam
D4	09 Feb 2022	Water Color	Green
D4	09 Feb 2022	Current Direction	S
D4	09 Feb 2022	Water Temp (C)	18.8
D4	09 Feb 2022	Wave Height Low (ft)	1
D4	09 Feb 2022	High Tide (ft)	4.29
D4	09 Feb 2022	High Tide Time	319
D4	09 Feb 2022	Low Tide (ft)	0.81
D4	09 Feb 2022	Low Tide Time	1140
D4	09 Feb 2022	Comments	Algae; Seagrass; Kelp
D4	16 Feb 2022	Arrive Time	750
D4	16 Feb 2022	Weather	Sunny
D4	16 Feb 2022	Wind Speed (kts)	2.9
D4	16 Feb 2022	Wind Dir	SW
D4	16 Feb 2022	Animal Life	Bird-2; Pelican-1
D4	16 Feb 2022	Floatables	Foam
D4	16 Feb 2022	Water Color	Green
D4	16 Feb 2022	Current Direction	N
D4	16 Feb 2022	Water Temp (C)	14.9
D4	16 Feb 2022	Wave Height Low (ft)	2
D4	16 Feb 2022	High Tide (ft)	5.79
D4	16 Feb 2022	High Tide Time	827
D4	16 Feb 2022	Low Tide (ft)	1.38
D4	16 Feb 2022	Low Tide Time	228
D4	16 Feb 2022	Comments	Seagrass; Kelp; Algae
D4	23 Feb 2022	Arrive Time	807
D4	23 Feb 2022	Weather	Partly cloudy
D4	23 Feb 2022	Wind Speed (kts)	17.9
D4	23 Feb 2022	Wind Dir	NW
D4	23 Feb 2022	Animal Life	Bird-1
D4	23 Feb 2022	Floatables	None
D4	23 Feb 2022	Water Color	Green

Station	Date	Parameter	Value
D4	23 Feb 2022	Current Direction	S
D4	23 Feb 2022	Water Temp (C)	13.7
D4	23 Feb 2022	Wave Height Low (ft)	2
D4	23 Feb 2022	High Tide (ft)	4.71
D4	23 Feb 2022	High Tide Time	112
D4	23 Feb 2022	Low Tide (ft)	0.73
D4	23 Feb 2022	Low Tide Time	905
D4	23 Feb 2022	Comments	Kelp; Seagrass; Algae
D5	02 Feb 2022	Arrive Time	757
D5	02 Feb 2022	Weather	Sunny
D5	02 Feb 2022	Wind Speed (kts)	0
D5	02 Feb 2022	Wind Dir	
D5	02 Feb 2022	Animal Life	Seagull-3
D5	02 Feb 2022	Floatables	Foam
D5	02 Feb 2022	Water Color	Green
D5	02 Feb 2022	Current Direction	N
D5	02 Feb 2022	Water Temp (C)	15.5
D5	02 Feb 2022	Wave Height Low (ft)	3
D5	02 Feb 2022	High Tide (ft)	6.32
D5	02 Feb 2022	High Tide Time	921
D5	02 Feb 2022	Low Tide (ft)	1.19
D5	02 Feb 2022	Low Tide Time	319
D5	02 Feb 2022	Comments	Water turbid; Trash-1; Kelp; Algae; Person/Walker/Jogger-5; Sewage-like odor
D5	09 Feb 2022	Arrive Time	1035
D5	09 Feb 2022	Weather	Sunny
D5	09 Feb 2022	Wind Speed (kts)	1.7
D5	09 Feb 2022	Wind Dir	S
D5	09 Feb 2022	Animal Life	Bird-3; Seagull-7
D5	09 Feb 2022	Floatables	Foam
D5	09 Feb 2022	Water Color	Green
D5	09 Feb 2022	Current Direction	N
D5	09 Feb 2022	Water Temp (C)	16.5
D5	09 Feb 2022	Wave Height Low (ft)	1
D5	09 Feb 2022	High Tide (ft)	4.29
D5	09 Feb 2022	High Tide Time	319
D5	09 Feb 2022	Low Tide (ft)	0.81
D5	09 Feb 2022	Low Tide Time	1140
D5	09 Feb 2022	Comments	Algae; Seagrass; Kelp
D5	16 Feb 2022	Arrive Time	802
D5	16 Feb 2022	Weather	Sunny
D5	16 Feb 2022	Wind Speed (kts)	2.7
D5	16 Feb 2022	Wind Dir	NW
D5	16 Feb 2022	Animal Life	Bird-1; Seagull-1
D5	16 Feb 2022	Floatables	Foam
D5	16 Feb 2022	Water Color	Green
D5	16 Feb 2022	Current Direction	N
D5	16 Feb 2022	Water Temp (C)	14.9
D5	16 Feb 2022	Wave Height Low (ft)	3
D5	16 Feb 2022	High Tide (ft)	5.79
D5	16 Feb 2022	High Tide Time	827
D5	16 Feb 2022	Low Tide (ft)	1.38
D5	16 Feb 2022	Low Tide Time	228
D5	16 Feb 2022	Comments	Kelp; Algae
D5	23 Feb 2022	Arrive Time	828
D5	23 Feb 2022	Weather	Partly cloudy
D5	23 Feb 2022	Wind Speed (kts)	8.3

Station	Date	Parameter	Value
D5	23 Feb 2022	Wind Dir	NW
D5	23 Feb 2022	Animal Life	Bird-1; Seagull-2
D5	23 Feb 2022	Floatables	Foam
D5	23 Feb 2022	Water Color	Green
D5	23 Feb 2022	Current Direction	S
D5	23 Feb 2022	Water Temp (C)	13.8
D5	23 Feb 2022	Wave Height Low (ft)	3
D5	23 Feb 2022	High Tide (ft)	4.71
D5	23 Feb 2022	High Tide Time	112
D5	23 Feb 2022	Low Tide (ft)	0.73
D5	23 Feb 2022	Low Tide Time	905
D5	23 Feb 2022	Comments	Kelp; Seagrass; Algae
D7	02 Feb 2022	Arrive Time	827
D7	02 Feb 2022	Weather	Sunny
D7	02 Feb 2022	Wind Speed (kts)	0.9
D7	02 Feb 2022	Wind Dir	W
D7	02 Feb 2022	Animal Life	
D7	02 Feb 2022	Floatables	Foam
D7	02 Feb 2022	Water Color	Green
D7	02 Feb 2022	Current Direction	S
D7	02 Feb 2022	Water Temp (C)	15.6
D7	02 Feb 2022	Wave Height Low (ft)	5
D7	02 Feb 2022	High Tide (ft)	6.32
D7	02 Feb 2022	High Tide Time	921
D7	02 Feb 2022	Low Tide (ft)	1.19
D7	02 Feb 2022	Low Tide Time	319
D7	02 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-3; Boater/Kayaker-1; Trash-1; Algae; Person/Walker/Jogger-1
D7	09 Feb 2022	Arrive Time	952
D7	09 Feb 2022	Weather	Sunny
D7	09 Feb 2022	Wind Speed (kts)	1.1
D7	09 Feb 2022	Wind Dir	N
D7	09 Feb 2022	Animal Life	
D7	09 Feb 2022	Floatables	Foam
D7	09 Feb 2022	Water Color	Green
D7	09 Feb 2022	Current Direction	S
D7	09 Feb 2022	Water Temp (C)	16.6
D7	09 Feb 2022	Wave Height Low (ft)	3
D7	09 Feb 2022	High Tide (ft)	4.29
D7	09 Feb 2022	High Tide Time	319
D7	09 Feb 2022	Low Tide (ft)	0.81
D7	09 Feb 2022	Low Tide Time	1140
D7	09 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-19; Trash-1; Algae; Seagrass; Kelp
D7	16 Feb 2022	Arrive Time	827
D7	16 Feb 2022	Weather	Sunny
D7	16 Feb 2022	Wind Speed (kts)	6
D7	16 Feb 2022	Wind Dir	S
D7	16 Feb 2022	Animal Life	Pelican-40; Seagull-50
D7	16 Feb 2022	Floatables	Foam
D7	16 Feb 2022	Water Color	Green
D7	16 Feb 2022	Current Direction	N
D7	16 Feb 2022	Water Temp (C)	14.8
D7	16 Feb 2022	Wave Height Low (ft)	4
D7	16 Feb 2022	High Tide (ft)	5.79
D7	16 Feb 2022	High Tide Time	827
D7	16 Feb 2022	Low Tide (ft)	1.38
D7	16 Feb 2022	Low Tide Time	228

Station	Date	Parameter	Value
D7	16 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-1; Trash-1; Algae; Kelp; Debris; Person/Walker/Jogger-2
D7	23 Feb 2022	Arrive Time	903
D7	23 Feb 2022	Weather	Partly cloudy
D7	23 Feb 2022	Wind Speed (kts)	19.2
D7	23 Feb 2022	Wind Dir	NW
D7	23 Feb 2022	Animal Life	Bird-1
D7	23 Feb 2022	Floatables	None
D7	23 Feb 2022	Water Color	Green
D7	23 Feb 2022	Current Direction	SW
D7	23 Feb 2022	Water Temp (C)	14.6
D7	23 Feb 2022	Wave Height Low (ft)	2
D7	23 Feb 2022	High Tide (ft)	4.71
D7	23 Feb 2022	High Tide Time	112
D7	23 Feb 2022	Low Tide (ft)	0.73
D7	23 Feb 2022	Low Tide Time	905
D7	23 Feb 2022	Comments	Water clear; Trash-1; Seagrass; Algae; Person/Walker/Jogger-1
D8-B	02 Feb 2022	Arrive Time	842
D8-B	02 Feb 2022	Weather	Sunny
D8-B	02 Feb 2022	Wind Speed (kts)	2.1
D8-B	02 Feb 2022	Wind Dir	N
D8-B	02 Feb 2022	Animal Life	
D8-B	02 Feb 2022	Floatables	Foam
D8-B	02 Feb 2022	Water Color	Green
D8-B	02 Feb 2022	Current Direction	N
D8-B	02 Feb 2022	Water Temp (C)	16
D8-B	02 Feb 2022	Wave Height Low (ft)	4
D8-B	02 Feb 2022	High Tide (ft)	6.32
D8-B	02 Feb 2022	High Tide Time	921
D8-B	02 Feb 2022	Low Tide (ft)	1.19
D8-B	02 Feb 2022	Low Tide Time	319
D8-B	02 Feb 2022	Comments	Water turbid; Trash-1; Kelp; Algae; Person/Walker/Jogger-1
D8-B	09 Feb 2022	Arrive Time	926
D8-B	09 Feb 2022	Weather	Sunny
D8-B	09 Feb 2022	Wind Speed (kts)	0
D8-B	09 Feb 2022	Wind Dir	
D8-B	09 Feb 2022	Animal Life	
D8-B	09 Feb 2022	Floatables	Foam
D8-B	09 Feb 2022	Water Color	Green
D8-B	09 Feb 2022	Current Direction	S
D8-B	09 Feb 2022	Water Temp (C)	16.5
D8-B	09 Feb 2022	Wave Height Low (ft)	3
D8-B	09 Feb 2022	High Tide (ft)	4.29
D8-B	09 Feb 2022	High Tide Time	319
D8-B	09 Feb 2022	Low Tide (ft)	0.81
D8-B	09 Feb 2022	Low Tide Time	1140
D8-B	09 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-7; Trash-1; Algae
D8-B	16 Feb 2022	Arrive Time	846
D8-B	16 Feb 2022	Weather	Sunny
D8-B	16 Feb 2022	Wind Speed (kts)	8.7
D8-B	16 Feb 2022	Wind Dir	NE
D8-B	16 Feb 2022	Animal Life	
D8-B	16 Feb 2022	Floatables	Foam
D8-B	16 Feb 2022	Water Color	Green
D8-B	16 Feb 2022	Current Direction	N
D8-B	16 Feb 2022	Water Temp (C)	15.6

Station	Date	Parameter	Value
D8-B	16 Feb 2022	Wave Height Low (ft)	4
D8-B	16 Feb 2022	High Tide (ft)	5.79
D8-B	16 Feb 2022	High Tide Time	827
D8-B	16 Feb 2022	Low Tide (ft)	1.38
D8-B	16 Feb 2022	Low Tide Time	228
D8-B	16 Feb 2022	Comments	Kelp; Algae; Debris
D8-B	23 Feb 2022	Arrive Time	923
D8-B	23 Feb 2022	Weather	Cloudy
D8-B	23 Feb 2022	Wind Speed (kts)	13.2
D8-B	23 Feb 2022	Wind Dir	W
D8-B	23 Feb 2022	Animal Life	
D8-B	23 Feb 2022	Floatables	Foam
D8-B	23 Feb 2022	Water Color	Green
D8-B	23 Feb 2022	Current Direction	S
D8-B	23 Feb 2022	Water Temp (C)	13.9
D8-B	23 Feb 2022	Wave Height Low (ft)	3
D8-B	23 Feb 2022	High Tide (ft)	4.71
D8-B	23 Feb 2022	High Tide Time	112
D8-B	23 Feb 2022	Low Tide (ft)	0.73
D8-B	23 Feb 2022	Low Tide Time	905
D8-B	23 Feb 2022	Comments	Algae; Kelp; Seagrass
D9	02 Feb 2022	Arrive Time	858
D9	02 Feb 2022	Weather	Sunny
D9	02 Feb 2022	Wind Speed (kts)	0.7
D9	02 Feb 2022	Wind Dir	W
D9	02 Feb 2022	Animal Life	
D9	02 Feb 2022	Floatables	Foam
D9	02 Feb 2022	Water Color	Green
D9	02 Feb 2022	Current Direction	N
D9	02 Feb 2022	Water Temp (C)	15.6
D9	02 Feb 2022	Wave Height Low (ft)	5
D9	02 Feb 2022	High Tide (ft)	6.32
D9	02 Feb 2022	High Tide Time	921
D9	02 Feb 2022	Low Tide (ft)	1.19
D9	02 Feb 2022	Low Tide Time	319
D9	02 Feb 2022	Comments	Water turbid; Trash-1; Algae; Person/Walker/Jogger-2; Sewage-like odor
D9	09 Feb 2022	Arrive Time	904
D9	09 Feb 2022	Weather	Sunny
D9	09 Feb 2022	Wind Speed (kts)	0
D9	09 Feb 2022	Wind Dir	
D9	09 Feb 2022	Animal Life	
D9	09 Feb 2022	Floatables	Foam
D9	09 Feb 2022	Water Color	Green
D9	09 Feb 2022	Current Direction	S
D9	09 Feb 2022	Water Temp (C)	16.2
D9	09 Feb 2022	Wave Height Low (ft)	3
D9	09 Feb 2022	High Tide (ft)	4.29
D9	09 Feb 2022	High Tide Time	319
D9	09 Feb 2022	Low Tide (ft)	0.81
D9	09 Feb 2022	Low Tide Time	1140
D9	09 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-9; Trash-1; Algae
D9	16 Feb 2022	Arrive Time	856
D9	16 Feb 2022	Weather	Sunny
D9	16 Feb 2022	Wind Speed (kts)	2.5
D9	16 Feb 2022	Wind Dir	N
D9	16 Feb 2022	Animal Life	

Station	Date	Parameter	Value
D9	16 Feb 2022	Floatables	Foam; Condoms
D9	16 Feb 2022	Water Color	Brown
D9	16 Feb 2022	Current Direction	N
D9	16 Feb 2022	Water Temp (C)	15.4
D9	16 Feb 2022	Wave Height Low (ft)	4
D9	16 Feb 2022	High Tide (ft)	5.79
D9	16 Feb 2022	High Tide Time	827
D9	16 Feb 2022	Low Tide (ft)	1.38
D9	16 Feb 2022	Low Tide Time	228
D9	16 Feb 2022	Comments	Water turbid; Trash-2; Algae; Kelp; Person/Walker/Jogger-3
D9	23 Feb 2022	Arrive Time	938
D9	23 Feb 2022	Weather	Cloudy
D9	23 Feb 2022	Wind Speed (kts)	15.2
D9	23 Feb 2022	Wind Dir	SW
D9	23 Feb 2022	Animal Life	Pelican-1; Seagull-1
D9	23 Feb 2022	Floatables	Foam
D9	23 Feb 2022	Water Color	Green
D9	23 Feb 2022	Current Direction	S
D9	23 Feb 2022	Water Temp (C)	14.6
D9	23 Feb 2022	Wave Height Low (ft)	2
D9	23 Feb 2022	High Tide (ft)	4.71
D9	23 Feb 2022	High Tide Time	112
D9	23 Feb 2022	Low Tide (ft)	0.73
D9	23 Feb 2022	Low Tide Time	905
D9	23 Feb 2022	Comments	Water turbid; Trash-1; Algae; Kelp; Seagrass; Person/Walker/Jogger-1
D10	02 Feb 2022	Arrive Time	935
D10	02 Feb 2022	Weather	Sunny
D10	02 Feb 2022	Wind Speed (kts)	3.3
D10	02 Feb 2022	Wind Dir	N
D10	02 Feb 2022	Animal Life	Seagull-3
D10	02 Feb 2022	Floatables	Foam
D10	02 Feb 2022	Water Color	Green
D10	02 Feb 2022	Current Direction	N
D10	02 Feb 2022	Water Temp (C)	16.1
D10	02 Feb 2022	Wave Height Low (ft)	5
D10	02 Feb 2022	High Tide (ft)	6.32
D10	02 Feb 2022	High Tide Time	921
D10	02 Feb 2022	Low Tide (ft)	1.19
D10	02 Feb 2022	Low Tide Time	319
D10	02 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-15; Trash-1; Seagrass; Kelp; Person/Walker/Jogger-8
D10	09 Feb 2022	Arrive Time	846
D10	09 Feb 2022	Weather	Sunny
D10	09 Feb 2022	Wind Speed (kts)	1.4
D10	09 Feb 2022	Wind Dir	W
D10	09 Feb 2022	Animal Life	Dog-1; Seagull-12
D10	09 Feb 2022	Floatables	Foam
D10	09 Feb 2022	Water Color	Green
D10	09 Feb 2022	Current Direction	S
D10	09 Feb 2022	Water Temp (C)	15.7
D10	09 Feb 2022	Wave Height Low (ft)	3
D10	09 Feb 2022	High Tide (ft)	4.29
D10	09 Feb 2022	High Tide Time	319
D10	09 Feb 2022	Low Tide (ft)	0.81
D10	09 Feb 2022	Low Tide Time	1140
D10	09 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-3; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-2

Station	Date	Parameter	Value
D10	16 Feb 2022	Arrive Time	937, 948
D10	16 Feb 2022	Weather	Sunny
D10	16 Feb 2022	Wind Speed (kts)	4.4, 6.1
D10	16 Feb 2022	Wind Dir	E
D10	16 Feb 2022	Animal Life	Dog-1; Seagull-12, Seagull-1
D10	16 Feb 2022	Floatables	Foam
D10	16 Feb 2022	Water Color	Green
D10	16 Feb 2022	Current Direction	N
D10	16 Feb 2022	Water Temp (C)	15.2, 15.9
D10	16 Feb 2022	Wave Height Low (ft)	3
D10	16 Feb 2022	High Tide (ft)	5.79
D10	16 Feb 2022	High Tide Time	827
D10	16 Feb 2022	Low Tide (ft)	1.38
D10	16 Feb 2022	Low Tide Time	228
D10	16 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-1; Trash-1; Seagrass; Kelp; Person/Walker/Jogger-3, Water turbid; Surfer/Paddle boarder-3; Trash-1; Kelp; Seagrass; Debris; Algae; Person/Walker/Jogger-5
D10	23 Feb 2022	Arrive Time	1011
D10	23 Feb 2022	Weather	Cloudy
D10	23 Feb 2022	Wind Speed (kts)	14.8
D10	23 Feb 2022	Wind Dir	W
D10	23 Feb 2022	Animal Life	Seagull-19
D10	23 Feb 2022	Floatables	Foam; Film
D10	23 Feb 2022	Water Color	Green
D10	23 Feb 2022	Current Direction	S
D10	23 Feb 2022	Water Temp (C)	15.3
D10	23 Feb 2022	Wave Height Low (ft)	3
D10	23 Feb 2022	High Tide (ft)	4.71
D10	23 Feb 2022	High Tide Time	112
D10	23 Feb 2022	Low Tide (ft)	0.73
D10	23 Feb 2022	Low Tide Time	905
D10	23 Feb 2022	Comments	Water turbid; Trash-2; Kelp; Seagrass; Person/Walker/Jogger-2
D11	02 Feb 2022	Arrive Time	951
D11	02 Feb 2022	Weather	Sunny
D11	02 Feb 2022	Wind Speed (kts)	0
D11	02 Feb 2022	Wind Dir	
D11	02 Feb 2022	Animal Life	Dog-1
D11	02 Feb 2022	Floatables	Foam
D11	02 Feb 2022	Water Color	Green
D11	02 Feb 2022	Current Direction	S
D11	02 Feb 2022	Water Temp (C)	16.1
D11	02 Feb 2022	Wave Height Low (ft)	3
D11	02 Feb 2022	High Tide (ft)	6.32
D11	02 Feb 2022	High Tide Time	921
D11	02 Feb 2022	Low Tide (ft)	1.19
D11	02 Feb 2022	Low Tide Time	319
D11	02 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-17; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-13
D11	09 Feb 2022	Arrive Time	815
D11	09 Feb 2022	Weather	Sunny
D11	09 Feb 2022	Wind Speed (kts)	2.6
D11	09 Feb 2022	Wind Dir	NE
D11	09 Feb 2022	Animal Life	Bird-2; Dog-1
D11	09 Feb 2022	Floatables	Foam
D11	09 Feb 2022	Water Color	Green

Station	Date	Parameter	Value
D11	09 Feb 2022	Current Direction	S
D11	09 Feb 2022	Water Temp (C)	14.6
D11	09 Feb 2022	Wave Height Low (ft)	3
D11	09 Feb 2022	High Tide (ft)	4.29
D11	09 Feb 2022	High Tide Time	319
D11	09 Feb 2022	Low Tide (ft)	0.81
D11	09 Feb 2022	Low Tide Time	1140
D11	09 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-6; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-3
D11	16 Feb 2022	Arrive Time	948
D11	16 Feb 2022	Weather	Sunny
D11	16 Feb 2022	Wind Speed (kts)	6.1
D11	16 Feb 2022	Wind Dir	E
D11	16 Feb 2022	Animal Life	Seagull-1
D11	16 Feb 2022	Floatables	Foam
D11	16 Feb 2022	Water Color	Green
D11	16 Feb 2022	Current Direction	N
D11	16 Feb 2022	Water Temp (C)	15.9
D11	16 Feb 2022	Wave Height Low (ft)	3
D11	16 Feb 2022	High Tide (ft)	5.79
D11	16 Feb 2022	High Tide Time	827
D11	16 Feb 2022	Low Tide (ft)	1.38
D11	16 Feb 2022	Low Tide Time	228
D11	16 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-3; Trash-1; Kelp; Seagrass; Debris; Algae; Person/Walker/Jogger-5
D11	23 Feb 2022	Arrive Time	1024
D11	23 Feb 2022	Weather	Cloudy
D11	23 Feb 2022	Wind Speed (kts)	17.7
D11	23 Feb 2022	Wind Dir	W
D11	23 Feb 2022	Animal Life	
D11	23 Feb 2022	Floatables	None
D11	23 Feb 2022	Water Color	Green
D11	23 Feb 2022	Current Direction	S
D11	23 Feb 2022	Water Temp (C)	14
D11	23 Feb 2022	Wave Height Low (ft)	3
D11	23 Feb 2022	High Tide (ft)	4.71
D11	23 Feb 2022	High Tide Time	112
D11	23 Feb 2022	Low Tide (ft)	0.73
D11	23 Feb 2022	Low Tide Time	905
D11	23 Feb 2022	Comments	Water turbid; Surfer/Paddle boarder-1; Trash-1; Kelp; Seagrass; Algae; Person/Walker/Jogger-5
D11	25 Feb 2022	Arrive Time	927
D11	25 Feb 2022	Weather	Sunny
D11	25 Feb 2022	Wind Speed (kts)	1
D11	25 Feb 2022	Wind Dir	W
D11	25 Feb 2022	Animal Life	Dog-6; Seagull-3
D11	25 Feb 2022	Floatables	Foam
D11	25 Feb 2022	Water Color	Green
D11	25 Feb 2022	Current Direction	N
D11	25 Feb 2022	Water Temp (C)	15.4
D11	25 Feb 2022	Wave Height Low (ft)	2
D11	25 Feb 2022	High Tide (ft)	4.99
D11	25 Feb 2022	High Tide Time	355
D11	25 Feb 2022	Low Tide (ft)	-0.42
D11	25 Feb 2022	Low Tide Time	1155
D11	25 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-17; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-9; Sewage-like odor

Station	Date	Parameter	Value
D12	02 Feb 2022	Arrive Time	1021
D12	02 Feb 2022	Weather	Sunny
D12	02 Feb 2022	Wind Speed (kts)	3.6
D12	02 Feb 2022	Wind Dir	W
D12	02 Feb 2022	Animal Life	Seagull-10
D12	02 Feb 2022	Floatables	Foam
D12	02 Feb 2022	Water Color	Green
D12	02 Feb 2022	Current Direction	N
D12	02 Feb 2022	Water Temp (C)	16.8
D12	02 Feb 2022	Wave Height Low (ft)	3
D12	02 Feb 2022	High Tide (ft)	6.32
D12	02 Feb 2022	High Tide Time	921
D12	02 Feb 2022	Low Tide (ft)	1.19
D12	02 Feb 2022	Low Tide Time	319
D12	02 Feb 2022	Comments	Water clear; Surfer/Paddle boarder-6; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-4
D12	09 Feb 2022	Arrive Time	750
D12	09 Feb 2022	Weather	Sunny
D12	09 Feb 2022	Wind Speed (kts)	2.1
D12	09 Feb 2022	Wind Dir	E
D12	09 Feb 2022	Animal Life	Bird-4
D12	09 Feb 2022	Floatables	Foam
D12	09 Feb 2022	Water Color	Green
D12	09 Feb 2022	Current Direction	S
D12	09 Feb 2022	Water Temp (C)	14.7
D12	09 Feb 2022	Wave Height Low (ft)	1
D12	09 Feb 2022	High Tide (ft)	4.29
D12	09 Feb 2022	High Tide Time	319
D12	09 Feb 2022	Low Tide (ft)	0.81
D12	09 Feb 2022	Low Tide Time	1140
D12	09 Feb 2022	Comments	Kelp; Seagrass
D12	16 Feb 2022	Arrive Time	1049
D12	16 Feb 2022	Weather	Sunny
D12	16 Feb 2022	Wind Speed (kts)	2.5
D12	16 Feb 2022	Wind Dir	SW
D12	16 Feb 2022	Animal Life	Seagull-6
D12	16 Feb 2022	Floatables	Foam
D12	16 Feb 2022	Water Color	Green
D12	16 Feb 2022	Current Direction	N
D12	16 Feb 2022	Water Temp (C)	20
D12	16 Feb 2022	Wave Height Low (ft)	3
D12	16 Feb 2022	High Tide (ft)	5.79
D12	16 Feb 2022	High Tide Time	827
D12	16 Feb 2022	Low Tide (ft)	1.38
D12	16 Feb 2022	Low Tide Time	228
D12	16 Feb 2022	Comments	Water turbid; Boogie boarder/Swimmer-1; Surfer/Paddle boarder-3; Trash-1; Kelp; Seagrass; Person/Walker/Jogger-21
D12	23 Feb 2022	Arrive Time	1135
D12	23 Feb 2022	Weather	Partly cloudy
D12	23 Feb 2022	Wind Speed (kts)	14.5
D12	23 Feb 2022	Wind Dir	W
D12	23 Feb 2022	Animal Life	Seagull-12
D12	23 Feb 2022	Floatables	Foam; Film
D12	23 Feb 2022	Water Color	Green
D12	23 Feb 2022	Current Direction	S
D12	23 Feb 2022	Water Temp (C)	17.5
D12	23 Feb 2022	Wave Height Low (ft)	3

Station	Date	Parameter	Value
D12	23 Feb 2022	High Tide (ft)	4.71
D12	23 Feb 2022	High Tide Time	112
D12	23 Feb 2022	Low Tide (ft)	0.73
D12	23 Feb 2022	Low Tide Time	905
D12	23 Feb 2022	Comments	Water turbid; Trash-1; Kelp; Seagrass; Debris; Person/Walker/Jogger-8

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Feb 2022	15	7	11	2	3	2	3	3
02 Feb 2022	15	7	11	2	3	2	3	3
03 Feb 2022	8	6	9	2	3	2	3	3
04 Feb 2022	8	6	9	2	3	2	3	3
05 Feb 2022	8	6	9	2	3	2	3	3
06 Feb 2022	8	6	9	2	3	2	3	3
07 Feb 2022	8	5	7	3	3	2	3	3
08 Feb 2022	8	5	7	3	3	2	3	3
09 Feb 2022	11	6	10	3	3	2	3	3
10 Feb 2022	11	6	10	3	3	2	3	3
11 Feb 2022	11	6	10	3	3	2	3	3
12 Feb 2022	11	6	10	3	3	2	3	3
13 Feb 2022	11	6	10	3	3	2	3	3
14 Feb 2022	11	6	10	3	3	2	3	3
15 Feb 2022	11	6	10	3	3	2	3	3
16 Feb 2022	11	6	10	3	3	2	3	3
17 Feb 2022	7	5	4	3	2	2	4	3
18 Feb 2022	7	5	4	3	2	2	4	3
19 Feb 2022	7	5	4	3	2	2	4	3
20 Feb 2022	7	5	4	3	2	2	4	3
21 Feb 2022	7	5	4	3	2	2	4	3
22 Feb 2022	7	5	4	3	2	2	4	3
23 Feb 2022	4*	6*	3*	3*	2*	2*	4*	2*
24 Feb 2022	4*	6*	3*	3*	2*	2*	4*	2*
25 Feb 2022	6	5	3	3	2	2	4	3
26 Feb 2022	6	5	3	3	2	2	4	3
27 Feb 2022	6	5	3	3	2	2	4	3
28 Feb 2022	6	5	3	3	2	2	4	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 Feb 2022	6	3	4	2	2	2	2	2
02 Feb 2022	6	3	4	2	2	2	2	2
03 Feb 2022	4	3	3	2	2	2	2	2
04 Feb 2022	4	3	3	2	2	2	2	2
05 Feb 2022	4	3	3	2	2	2	2	2
06 Feb 2022	4	3	3	2	2	2	2	2
07 Feb 2022	3	3	3	2	2	2	2	2
08 Feb 2022	3	3	3	2	2	2	2	2
09 Feb 2022	4	3	3	2	2	2	2	2
10 Feb 2022	4	3	3	2	2	2	2	2
11 Feb 2022	4	3	3	2	2	2	2	2
12 Feb 2022	4	3	3	2	2	2	2	2
13 Feb 2022	4	3	3	2	2	2	2	2
14 Feb 2022	4	3	3	2	2	2	2	2
15 Feb 2022	4	3	3	2	2	2	2	2
16 Feb 2022	4	3	3	2	2	2	2	2
17 Feb 2022	2	3	2	2	2	2	2	2
18 Feb 2022	2	3	2	2	2	2	2	2
19 Feb 2022	2	3	2	2	2	2	2	2
20 Feb 2022	2	3	2	2	2	2	2	2
21 Feb 2022	2	3	2	2	2	2	2	2
22 Feb 2022	2	3	2	2	2	2	2	2
23 Feb 2022	2*	3*	2*	2*	2*	2*	3*	2*
24 Feb 2022	2*	3*	2*	2*	2*	2*	3*	2*
25 Feb 2022	2	3	2	2	2	2	2	2
26 Feb 2022	2	3	2	2	2	2	2	2
27 Feb 2022	2	3	2	2	2	2	2	2
28 Feb 2022	2	3	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 Feb 2022	3	2	2	2	2	2	2	2
02 Feb 2022	3	2	2	2	2	2	2	2
03 Feb 2022	2	2	2	2	2	2	2	2
04 Feb 2022	2	2	2	2	2	2	2	2
05 Feb 2022	2	2	2	2	2	2	2	2
06 Feb 2022	2	2	2	2	2	2	2	2
07 Feb 2022	2	2	2	2	2	2	2	2
08 Feb 2022	2	2	2	2	2	2	2	2
09 Feb 2022	2	2	2	2	2	2	2	2
10 Feb 2022	2	2	2	2	2	2	2	2
11 Feb 2022	2	2	2	2	2	2	2	2
12 Feb 2022	2	2	2	2	2	2	2	2
13 Feb 2022	2	2	2	2	2	2	2	2
14 Feb 2022	2	2	2	2	2	2	2	2
15 Feb 2022	2	2	2	2	2	2	2	2
16 Feb 2022	2	2	2	2	2	2	2	2
17 Feb 2022	2	2	2	2	2	2	2	2
18 Feb 2022	2	2	2	2	2	2	2	2
19 Feb 2022	2	2	2	2	2	2	2	2
20 Feb 2022	2	2	2	2	2	2	2	2
21 Feb 2022	2	2	2	2	2	2	2	2
22 Feb 2022	2	2	2	2	2	2	2	2
23 Feb 2022	2*	2*	2*	2*	2*	2*	2*	2*
24 Feb 2022	2*	2*	2*	2*	2*	2*	2*	2*
25 Feb 2022	2	2	2	2	2	2	2	2
26 Feb 2022	2	2	2	2	2	2	2	2
27 Feb 2022	2	2	2	2	2	2	2	2
28 Feb 2022	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
07 Feb 2022	IC							
17 Feb 2022	IC							
25 Feb 2022	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
07 Feb 2022	IC							
17 Feb 2022	IC							
25 Feb 2022	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
07 Feb 2022	IC							
17 Feb 2022	IC							
25 Feb 2022	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
07 Feb 2022	IC							
17 Feb 2022	IC							
25 Feb 2022	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	07 Feb 2022	813	1	<20	<2	<2	0.1	14.8	81.23	7.8	33.46	8.0
A1	07 Feb 2022	813	12	<2	<2	<2	1.0	14.8	81.40	7.7	33.46	8.0
A1	07 Feb 2022	813	18	6e	<2	<2	0.3	14.2	80.67	7.1	33.42	8.0
A1	17 Feb 2022	812	1	<2	<2	<2	1.0	15.2	83.30	7.9	33.48	8.0
A1	17 Feb 2022	812	12	<2	<2	<2	1.0	13.8	80.52	6.7	33.44	7.9
A1	17 Feb 2022	812	18	<2	<2	<2	1.0	13.5	80.82	6.5	33.46	7.9
A1	25 Feb 2022	747	1	<2	<2	<2	1.0	13.9	78.54	9.4	32.93	8.1
A1	25 Feb 2022	747	12	6e	<2	<2	0.3	13.6	81.38	6.6	33.58	8.0
A1	25 Feb 2022	747	18	40e	4e	<2	0.1	12.8	83.14	6.3	33.84	7.9
A6	07 Feb 2022	833	1	<2	<2	<2	1.0	14.9	80.59	8.0	33.46	8.1
A6	07 Feb 2022	833	12	<2	<2	<2	1.0	14.6	81.75	7.5	33.45	8.0
A6	07 Feb 2022	833	18	<2	2e	<2	1.0	14.4	82.20	7.1	33.44	8.0
A6	17 Feb 2022	837	1	<2	<2	<2	1.0	15.2	82.94	7.8	33.48	8.0
A6	17 Feb 2022	837	12	<20	<2	<2	0.1	15.2	82.63	7.7	33.48	8.1
A6	17 Feb 2022	837	18	20e	6e	<2	0.3	13.6	81.69	6.3	33.48	8.0
A6	25 Feb 2022	811	1	<2	<2	<2	1.0	14.3	78.81	7.7	33.49	8.1
A6	25 Feb 2022	811	12	2e	<2	<2	1.0	14.2	79.31	7.6	33.49	8.1
A6	25 Feb 2022	811	18	2e	<2	<2	1.0	13.5	80.59	6.4	33.50	8.0
A7	07 Feb 2022	822	1	<2	<2	<2	1.0	14.9	79.71	7.8	33.46	8.1
A7	07 Feb 2022	822	12	<2	<2	<2	1.0	14.8	80.52	7.6	33.45	8.0
A7	07 Feb 2022	822	18	6e	<2	<2	0.3	14.2	82.01	6.8	33.43	8.0
A7	17 Feb 2022	824	1	<2	<2	<2	1.0	15.2	81.20	7.8	33.48	8.0
A7	17 Feb 2022	824	12	2e	<2	<2	1.0	13.5	81.38	6.5	33.45	7.9
A7	17 Feb 2022	824	18	2e	<2	<2	1.0	12.9	82.92	5.8	33.46	7.9
A7	25 Feb 2022	758	1	<2	<2	<2	1.0	14.2	77.50	7.6	33.44	8.1
A7	25 Feb 2022	758	12	<2	<2	<2	1.0	14.1	77.56	7.5	33.50	8.1
A7	25 Feb 2022	758	18	6e	<2	<2	0.3	13.5	79.96	6.3	33.48	8.0
C4	07 Feb 2022	944	1	<2	<2	<2	1.0	15.0	77.01	8.1	33.48	8.1
C4	07 Feb 2022	944	3	<20	<2	<2	0.1	14.8	76.53	7.6	33.46	8.1
C4	07 Feb 2022	944	9	<2	<2	<2	1.0	14.5	76.42	6.6	33.43	8.0
C4	17 Feb 2022	948	1	<2	<2	<2	1.0	15.1	80.55	7.7	33.48	8.0
C4	17 Feb 2022	948	3	<2	<2	<2	1.0	15.1	80.12	7.7	33.48	8.0
C4	17 Feb 2022	948	9	<2	<2	<2	1.0	15.1	80.20	7.7	33.47	8.0
C4	25 Feb 2022	923	1	<2	<2	<2	1.0	14.0	77.46	7.1	33.50	8.1
C4	25 Feb 2022	923	3	2e	<2	<2	1.0	14.0	77.77	7.1	33.50	8.1
C4	25 Feb 2022	923	9	<2	<2	<2	1.0	13.8	78.17	6.5	33.49	8.0
C5	07 Feb 2022	935	1	<2	<2	<2	1.0	15.2	68.81	8.2	33.52	8.2
C5	07 Feb 2022	935	3	<2	<2	<2	1.0	15.1	67.40	8.2	33.52	8.2
C5	07 Feb 2022	935	9	<2	<2	<2	1.0	14.5	69.87	6.9	33.43	8.0

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	Temp	XMS	DO	Sal	pH
C5	17 Feb 2022	935	1	<2	<2	<2	1.0	15.2	73.73	7.5	33.47	8.0
C5	17 Feb 2022	935	3	<2	<2	<2	1.0	15.2	73.73	7.6	33.48	8.0
C5	17 Feb 2022	935	9	<2	<2	<2	1.0	15.1	69.76	7.2	33.47	8.0
C5	25 Feb 2022	911	1	<2	<2	<2	1.0	14.2	76.64	7.6	33.52	8.1
C5	25 Feb 2022	911	3	<2	<2	<2	1.0	14.2	76.50	7.6	33.51	8.1
C5	25 Feb 2022	911	9	<2	<2	<2	1.0	14.1	79.09	7.5	33.51	8.1
C6	07 Feb 2022	919	1	<2	<2	<2	1.0	15.1	72.52	8.0	33.48	8.1
C6	07 Feb 2022	919	3	<2	<2	<2	1.0	15.0	73.40	7.8	33.47	8.1
C6	07 Feb 2022	919	9	<2	<2	<2	1.0	14.6	73.67	6.8	33.44	8.0
C6	17 Feb 2022	924	1	<2	<2	<2	1.0	15.2	79.79	7.8	33.48	8.1
C6	17 Feb 2022	924	3	<2	<2	<2	1.0	15.2	79.97	7.7	33.48	8.1
C6	17 Feb 2022	924	9	<2	<2	<2	1.0	15.0	79.01	7.2	33.46	8.0
C6	25 Feb 2022	900	1	<2	<2	<2	1.0	14.3	78.06	7.6	33.51	8.1
C6	25 Feb 2022	900	3	<2	<2	<2	1.0	14.3	77.99	7.6	33.51	8.1
C6	25 Feb 2022	900	9	<2	<2	<2	1.0	13.6	80.60	6.1	33.49	8.0
C7	07 Feb 2022	848	1	<2	<2	<2	1.0	14.8	81.57	7.7	33.46	8.0
C7	07 Feb 2022	848	12	<2	<2	<2	1.0	14.6	81.66	7.5	33.45	8.0
C7	07 Feb 2022	848	18	<2	<2	<2	1.0	13.7	81.52	6.6	33.42	8.0
C7	17 Feb 2022	852	1	<2	<2	<2	1.0	15.3	78.19	7.9	33.47	8.1
C7	17 Feb 2022	852	12	<2	<2	<2	1.0	15.0	81.28	7.4	33.46	8.0
C7	17 Feb 2022	852	18	<20	4e	<2	0.2	13.5	81.07	6.2	33.45	7.9
C7	25 Feb 2022	828	1	<2	<2	<2	1.0	14.2	76.79	7.8	33.47	8.1
C7	25 Feb 2022	828	12	2e	<2	<2	1.0	14.0	79.14	7.2	33.49	8.1
C7	25 Feb 2022	828	18	10e	<2	<2	0.2	12.8	82.39	5.5	33.51	7.9
C8	07 Feb 2022	900	1	<2	<2	<2	1.0	14.7	81.65	7.6	33.46	8.0
C8	07 Feb 2022	900	12	2e	<2	<2	1.0	14.6	81.59	7.6	33.46	8.0
C8	07 Feb 2022	900	18	<2	<2	<2	1.0	13.9	81.70	6.8	33.43	8.0
C8	17 Feb 2022	904	1	<2	<2	<2	1.0	15.1	80.72	7.8	33.47	8.1
C8	17 Feb 2022	904	12	<2	<2	<2	1.0	15.1	80.80	7.8	33.47	8.1
C8	17 Feb 2022	904	18	<2	<2	<2	1.0	14.7	81.11	7.2	33.45	8.0
C8	25 Feb 2022	839	1	<2	<2	<2	1.0	14.2	77.89	7.8	33.47	8.1
C8	25 Feb 2022	839	12	6e	<2	<2	0.3	13.8	79.74	6.8	33.49	8.0
C8	25 Feb 2022	839	18	14e	<2	<2	0.1	12.5	82.86	5.3	33.50	7.9

ns = not sampled

ND = no data

Table 3.9

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

Station	Date	Parameter	Value
A1	07 Feb 2022	Depth (m)	18
A1	07 Feb 2022	Arrive Time	813
A1	07 Feb 2022	Depart Time	822
A1	07 Feb 2022	Air Temp (C)	16.5
A1	07 Feb 2022	Weather	Clear
A1	07 Feb 2022	Visibility (mi)	18
A1	07 Feb 2022	Wind Speed (kts)	6.3
A1	07 Feb 2022	Wind Dir	E
A1	07 Feb 2022	Water Color	Blue
A1	07 Feb 2022	Wave Ht Low (ft)	3
A1	07 Feb 2022	Wave Period (sec)	14
A1	07 Feb 2022	Sea State	Calm
A1	07 Feb 2022	High Tide (ft)	4.31
A1	07 Feb 2022	High Tide Time	918
A1	07 Feb 2022	Low Tide (ft)	1.55
A1	07 Feb 2022	Low Tide Time	1618
A1	07 Feb 2022	Comments	none
A1	17 Feb 2022	Depth (m)	19
A1	17 Feb 2022	Arrive Time	812
A1	17 Feb 2022	Depart Time	820
A1	17 Feb 2022	Air Temp (C)	12.7
A1	17 Feb 2022	Weather	Clear
A1	17 Feb 2022	Visibility (mi)	10
A1	17 Feb 2022	Wind Speed (kts)	0
A1	17 Feb 2022	Wind Dir	NE
A1	17 Feb 2022	Water Color	Blueish-Green
A1	17 Feb 2022	Wave Ht Low (ft)	4
A1	17 Feb 2022	Wave Period (sec)	20
A1	17 Feb 2022	Sea State	Wind Ripples
A1	17 Feb 2022	High Tide (ft)	5.68
A1	17 Feb 2022	High Tide Time	1700
A1	17 Feb 2022	Low Tide (ft)	-0.71
A1	17 Feb 2022	Low Tide Time	2354
A1	17 Feb 2022	Comments	Kelp; Lobster Floats
A1	25 Feb 2022	Depth (m)	18
A1	25 Feb 2022	Arrive Time	747
A1	25 Feb 2022	Depart Time	754
A1	25 Feb 2022	Air Temp (C)	9.4
A1	25 Feb 2022	Weather	Clear
A1	25 Feb 2022	Visibility (mi)	15
A1	25 Feb 2022	Wind Speed (kts)	9.5
A1	25 Feb 2022	Wind Dir	E
A1	25 Feb 2022	Water Color	Green
A1	25 Feb 2022	Wave Ht Low (ft)	3
A1	25 Feb 2022	Wave Period (sec)	12
A1	25 Feb 2022	Sea State	Light Chop
A1	25 Feb 2022	High Tide (ft)	5.04
A1	25 Feb 2022	High Tide Time	1200
A1	25 Feb 2022	Low Tide (ft)	-0.49
A1	25 Feb 2022	Low Tide Time	1954
A1	25 Feb 2022	Comments	none
A6	07 Feb 2022	Depth (m)	18
A6	07 Feb 2022	Arrive Time	833

Station	Date	Parameter	Value
A6	07 Feb 2022	Depart Time	839
A6	07 Feb 2022	Air Temp (C)	15
A6	07 Feb 2022	Weather	Clear
A6	07 Feb 2022	Visibility (mi)	18
A6	07 Feb 2022	Wind Speed (kts)	5.9
A6	07 Feb 2022	Wind Dir	NW
A6	07 Feb 2022	Water Color	Blue
A6	07 Feb 2022	Wave Ht Low (ft)	3
A6	07 Feb 2022	Wave Period (sec)	14
A6	07 Feb 2022	Sea State	Calm
A6	07 Feb 2022	High Tide (ft)	4.31
A6	07 Feb 2022	High Tide Time	918
A6	07 Feb 2022	Low Tide (ft)	1.55
A6	07 Feb 2022	Low Tide Time	1618
A6	07 Feb 2022	Comments	none
A6	17 Feb 2022	Depth (m)	19
A6	17 Feb 2022	Arrive Time	837
A6	17 Feb 2022	Depart Time	844
A6	17 Feb 2022	Air Temp (C)	12.6
A6	17 Feb 2022	Weather	Clear
A6	17 Feb 2022	Visibility (mi)	10
A6	17 Feb 2022	Wind Speed (kts)	3.8
A6	17 Feb 2022	Wind Dir	N
A6	17 Feb 2022	Water Color	Blueish-Green
A6	17 Feb 2022	Wave Ht Low (ft)	4
A6	17 Feb 2022	Wave Period (sec)	20
A6	17 Feb 2022	Sea State	Wind Ripples
A6	17 Feb 2022	High Tide (ft)	5.68
A6	17 Feb 2022	High Tide Time	1700
A6	17 Feb 2022	Low Tide (ft)	-0.71
A6	17 Feb 2022	Low Tide Time	2354
A6	17 Feb 2022	Comments	Kelp; Turner CDOM and Tryptophan cable issue for A7, A6, and C7; Discarded data for those three station
A6	25 Feb 2022	Depth (m)	16
A6	25 Feb 2022	Arrive Time	811
A6	25 Feb 2022	Depart Time	819
A6	25 Feb 2022	Air Temp (C)	10.8
A6	25 Feb 2022	Weather	Clear
A6	25 Feb 2022	Visibility (mi)	15
A6	25 Feb 2022	Wind Speed (kts)	1.7
A6	25 Feb 2022	Wind Dir	E
A6	25 Feb 2022	Water Color	Green
A6	25 Feb 2022	Wave Ht Low (ft)	3
A6	25 Feb 2022	Wave Period (sec)	12
A6	25 Feb 2022	Sea State	Light Chop
A6	25 Feb 2022	High Tide (ft)	5.04
A6	25 Feb 2022	High Tide Time	1200
A6	25 Feb 2022	Low Tide (ft)	-0.49
A6	25 Feb 2022	Low Tide Time	1954
A6	25 Feb 2022	Comments	none
A7	07 Feb 2022	Depth (m)	17
A7	07 Feb 2022	Arrive Time	822
A7	07 Feb 2022	Depart Time	830
A7	07 Feb 2022	Air Temp (C)	17.5
A7	07 Feb 2022	Weather	Clear
A7	07 Feb 2022	Visibility (mi)	18
A7	07 Feb 2022	Wind Speed (kts)	3
A7	07 Feb 2022	Wind Dir	NW

Station	Date	Parameter	Value
A7	07 Feb 2022	Water Color	Blue
A7	07 Feb 2022	Wave Ht Low (ft)	3
A7	07 Feb 2022	Wave Period (sec)	14
A7	07 Feb 2022	Sea State	Calm
A7	07 Feb 2022	High Tide (ft)	4.31
A7	07 Feb 2022	High Tide Time	918
A7	07 Feb 2022	Low Tide (ft)	1.55
A7	07 Feb 2022	Low Tide Time	1618
A7	07 Feb 2022	Comments	none
A7	17 Feb 2022	Depth (m)	19
A7	17 Feb 2022	Arrive Time	824
A7	17 Feb 2022	Depart Time	828
A7	17 Feb 2022	Air Temp (C)	13.2
A7	17 Feb 2022	Weather	Clear
A7	17 Feb 2022	Visibility (mi)	10
A7	17 Feb 2022	Wind Speed (kts)	4.1
A7	17 Feb 2022	Wind Dir	N
A7	17 Feb 2022	Water Color	Blueish-Green
A7	17 Feb 2022	Wave Ht Low (ft)	4
A7	17 Feb 2022	Wave Period (sec)	20
A7	17 Feb 2022	Sea State	Wind Ripples
A7	17 Feb 2022	High Tide (ft)	5.68
A7	17 Feb 2022	High Tide Time	1700
A7	17 Feb 2022	Low Tide (ft)	-0.71
A7	17 Feb 2022	Low Tide Time	2354
A7	17 Feb 2022	Comments	Lobster Floats; Turner CDOM and Tryptophan cable issue for A7, A6, and C7; Discarded data for those three station
A7	25 Feb 2022	Depth (m)	18
A7	25 Feb 2022	Arrive Time	758
A7	25 Feb 2022	Depart Time	803
A7	25 Feb 2022	Air Temp (C)	10.3
A7	25 Feb 2022	Weather	Clear
A7	25 Feb 2022	Visibility (mi)	15
A7	25 Feb 2022	Wind Speed (kts)	5.6
A7	25 Feb 2022	Wind Dir	NE
A7	25 Feb 2022	Water Color	Green
A7	25 Feb 2022	Wave Ht Low (ft)	3
A7	25 Feb 2022	Wave Period (sec)	12
A7	25 Feb 2022	Sea State	Light Chop
A7	25 Feb 2022	High Tide (ft)	5.04
A7	25 Feb 2022	High Tide Time	1200
A7	25 Feb 2022	Low Tide (ft)	-0.49
A7	25 Feb 2022	Low Tide Time	1954
A7	25 Feb 2022	Comments	none
C4	07 Feb 2022	Depth (m)	10
C4	07 Feb 2022	Arrive Time	944
C4	07 Feb 2022	Depart Time	949
C4	07 Feb 2022	Air Temp (C)	15.6
C4	07 Feb 2022	Weather	Clear
C4	07 Feb 2022	Visibility (mi)	18
C4	07 Feb 2022	Wind Speed (kts)	1.8
C4	07 Feb 2022	Wind Dir	E
C4	07 Feb 2022	Water Color	Green
C4	07 Feb 2022	Wave Ht Low (ft)	3
C4	07 Feb 2022	Wave Period (sec)	14
C4	07 Feb 2022	Sea State	Calm
C4	07 Feb 2022	High Tide (ft)	4.31
C4	07 Feb 2022	High Tide Time	918

Station	Date	Parameter	Value
C4	07 Feb 2022	Low Tide (ft)	1.55
C4	07 Feb 2022	Low Tide Time	1618
C4	07 Feb 2022	Comments	none
C4	17 Feb 2022	Depth (m)	11
C4	17 Feb 2022	Arrive Time	948
C4	17 Feb 2022	Depart Time	953
C4	17 Feb 2022	Air Temp (C)	13.4
C4	17 Feb 2022	Weather	Clear
C4	17 Feb 2022	Visibility (mi)	10
C4	17 Feb 2022	Wind Speed (kts)	7.7
C4	17 Feb 2022	Wind Dir	NW
C4	17 Feb 2022	Water Color	Blueish-Green
C4	17 Feb 2022	Wave Ht Low (ft)	4
C4	17 Feb 2022	Wave Period (sec)	20
C4	17 Feb 2022	Sea State	Wind Ripples
C4	17 Feb 2022	High Tide (ft)	5.68
C4	17 Feb 2022	High Tide Time	1700
C4	17 Feb 2022	Low Tide (ft)	-0.71
C4	17 Feb 2022	Low Tide Time	2354
C4	17 Feb 2022	Comments	Kelp Debris
C4	25 Feb 2022	Depth (m)	10
C4	25 Feb 2022	Arrive Time	923
C4	25 Feb 2022	Depart Time	926
C4	25 Feb 2022	Air Temp (C)	10.7
C4	25 Feb 2022	Weather	Clear
C4	25 Feb 2022	Visibility (mi)	15
C4	25 Feb 2022	Wind Speed (kts)	4.7
C4	25 Feb 2022	Wind Dir	SE
C4	25 Feb 2022	Water Color	Green
C4	25 Feb 2022	Wave Ht Low (ft)	3
C4	25 Feb 2022	Wave Period (sec)	12
C4	25 Feb 2022	Sea State	Light Chop
C4	25 Feb 2022	High Tide (ft)	5.04
C4	25 Feb 2022	High Tide Time	1200
C4	25 Feb 2022	Low Tide (ft)	-0.49
C4	25 Feb 2022	Low Tide Time	1954
C4	25 Feb 2022	Comments	none
C5	07 Feb 2022	Depth (m)	11
C5	07 Feb 2022	Arrive Time	935
C5	07 Feb 2022	Depart Time	942
C5	07 Feb 2022	Air Temp (C)	15.6
C5	07 Feb 2022	Weather	Clear
C5	07 Feb 2022	Visibility (mi)	18
C5	07 Feb 2022	Wind Speed (kts)	4
C5	07 Feb 2022	Wind Dir	N
C5	07 Feb 2022	Water Color	Green
C5	07 Feb 2022	Wave Ht Low (ft)	3
C5	07 Feb 2022	Wave Period (sec)	14
C5	07 Feb 2022	Sea State	Calm
C5	07 Feb 2022	High Tide (ft)	4.31
C5	07 Feb 2022	High Tide Time	918
C5	07 Feb 2022	Low Tide (ft)	1.55
C5	07 Feb 2022	Low Tide Time	1618
C5	07 Feb 2022	Comments	none
C5	17 Feb 2022	Depth (m)	11
C5	17 Feb 2022	Arrive Time	935
C5	17 Feb 2022	Depart Time	943

Station	Date	Parameter	Value
C5	17 Feb 2022	Air Temp (C)	13.5
C5	17 Feb 2022	Weather	Clear
C5	17 Feb 2022	Visibility (mi)	10
C5	17 Feb 2022	Wind Speed (kts)	1.9
C5	17 Feb 2022	Wind Dir	S
C5	17 Feb 2022	Water Color	Blueish-Green
C5	17 Feb 2022	Wave Ht Low (ft)	4
C5	17 Feb 2022	Wave Period (sec)	20
C5	17 Feb 2022	Sea State	Wind Ripples
C5	17 Feb 2022	High Tide (ft)	5.68
C5	17 Feb 2022	High Tide Time	1700
C5	17 Feb 2022	Low Tide (ft)	-0.71
C5	17 Feb 2022	Low Tide Time	2354
C5	17 Feb 2022	Comments	Kelp Debris
C5	25 Feb 2022	Depth (m)	10
C5	25 Feb 2022	Arrive Time	911
C5	25 Feb 2022	Depart Time	916
C5	25 Feb 2022	Air Temp (C)	11.6
C5	25 Feb 2022	Weather	Clear
C5	25 Feb 2022	Visibility (mi)	15
C5	25 Feb 2022	Wind Speed (kts)	1.6
C5	25 Feb 2022	Wind Dir	S
C5	25 Feb 2022	Water Color	Green
C5	25 Feb 2022	Wave Ht Low (ft)	3
C5	25 Feb 2022	Wave Period (sec)	12
C5	25 Feb 2022	Sea State	Light Chop
C5	25 Feb 2022	High Tide (ft)	5.04
C5	25 Feb 2022	High Tide Time	1200
C5	25 Feb 2022	Low Tide (ft)	-0.49
C5	25 Feb 2022	Low Tide Time	1954
C5	25 Feb 2022	Comments	none
C6	07 Feb 2022	Depth (m)	9
C6	07 Feb 2022	Arrive Time	919
C6	07 Feb 2022	Depart Time	933
C6	07 Feb 2022	Air Temp (C)	15.4
C6	07 Feb 2022	Weather	Clear
C6	07 Feb 2022	Visibility (mi)	18
C6	07 Feb 2022	Wind Speed (kts)	2.9
C6	07 Feb 2022	Wind Dir	SW
C6	07 Feb 2022	Water Color	Green
C6	07 Feb 2022	Wave Ht Low (ft)	3
C6	07 Feb 2022	Wave Period (sec)	14
C6	07 Feb 2022	Sea State	Calm
C6	07 Feb 2022	High Tide (ft)	4.31
C6	07 Feb 2022	High Tide Time	918
C6	07 Feb 2022	Low Tide (ft)	1.55
C6	07 Feb 2022	Low Tide Time	1618
C6	07 Feb 2022	Comments	none
C6	17 Feb 2022	Depth (m)	10
C6	17 Feb 2022	Arrive Time	924
C6	17 Feb 2022	Depart Time	929
C6	17 Feb 2022	Air Temp (C)	13.3
C6	17 Feb 2022	Weather	Clear
C6	17 Feb 2022	Visibility (mi)	10
C6	17 Feb 2022	Wind Speed (kts)	5.5
C6	17 Feb 2022	Wind Dir	N
C6	17 Feb 2022	Water Color	Blueish-Green
C6	17 Feb 2022	Wave Ht Low (ft)	4

Station	Date	Parameter	Value
C6	17 Feb 2022	Wave Period (sec)	20
C6	17 Feb 2022	Sea State	Wind Ripples
C6	17 Feb 2022	High Tide (ft)	5.68
C6	17 Feb 2022	High Tide Time	1700
C6	17 Feb 2022	Low Tide (ft)	-0.71
C6	17 Feb 2022	Low Tide Time	2354
C6	17 Feb 2022	Comments	Kelp
C6	25 Feb 2022	Depth (m)	9
C6	25 Feb 2022	Arrive Time	900
C6	25 Feb 2022	Depart Time	903
C6	25 Feb 2022	Air Temp (C)	11.6
C6	25 Feb 2022	Weather	Clear
C6	25 Feb 2022	Visibility (mi)	15
C6	25 Feb 2022	Wind Speed (kts)	5.2
C6	25 Feb 2022	Wind Dir	SW
C6	25 Feb 2022	Water Color	Green
C6	25 Feb 2022	Wave Ht Low (ft)	3
C6	25 Feb 2022	Wave Period (sec)	12
C6	25 Feb 2022	Sea State	Light Chop
C6	25 Feb 2022	High Tide (ft)	5.04
C6	25 Feb 2022	High Tide Time	1200
C6	25 Feb 2022	Low Tide (ft)	-0.49
C6	25 Feb 2022	Low Tide Time	1954
C6	25 Feb 2022	Comments	none
C7	07 Feb 2022	Depth (m)	17
C7	07 Feb 2022	Arrive Time	848
C7	07 Feb 2022	Depart Time	853
C7	07 Feb 2022	Air Temp (C)	16.5
C7	07 Feb 2022	Weather	Clear
C7	07 Feb 2022	Visibility (mi)	18
C7	07 Feb 2022	Wind Speed (kts)	2.8
C7	07 Feb 2022	Wind Dir	W
C7	07 Feb 2022	Water Color	Greenish-Blue
C7	07 Feb 2022	Wave Ht Low (ft)	3
C7	07 Feb 2022	Wave Period (sec)	14
C7	07 Feb 2022	Sea State	Calm
C7	07 Feb 2022	High Tide (ft)	4.31
C7	07 Feb 2022	High Tide Time	918
C7	07 Feb 2022	Low Tide (ft)	1.55
C7	07 Feb 2022	Low Tide Time	1618
C7	07 Feb 2022	Comments	none
C7	17 Feb 2022	Depth (m)	18
C7	17 Feb 2022	Arrive Time	852
C7	17 Feb 2022	Depart Time	856
C7	17 Feb 2022	Air Temp (C)	12.9
C7	17 Feb 2022	Weather	Clear
C7	17 Feb 2022	Visibility (mi)	10
C7	17 Feb 2022	Wind Speed (kts)	3.9
C7	17 Feb 2022	Wind Dir	NE
C7	17 Feb 2022	Water Color	Blueish-Green
C7	17 Feb 2022	Wave Ht Low (ft)	4
C7	17 Feb 2022	Wave Period (sec)	20
C7	17 Feb 2022	Sea State	Wind Ripples
C7	17 Feb 2022	High Tide (ft)	5.68
C7	17 Feb 2022	High Tide Time	1700
C7	17 Feb 2022	Low Tide (ft)	-0.71
C7	17 Feb 2022	Low Tide Time	2354

Station	Date	Parameter	Value
C7	17 Feb 2022	Comments	Kelp; Turner CDOM and Tryptophan cable issue for A7, A6, and C7; Discarded data for those three stations
C7	25 Feb 2022	Depth (m)	17
C7	25 Feb 2022	Arrive Time	828
C7	25 Feb 2022	Depart Time	832
C7	25 Feb 2022	Air Temp (C)	11.2
C7	25 Feb 2022	Weather	Clear
C7	25 Feb 2022	Visibility (mi)	15
C7	25 Feb 2022	Wind Speed (kts)	6
C7	25 Feb 2022	Wind Dir	N
C7	25 Feb 2022	Water Color	Green
C7	25 Feb 2022	Wave Ht Low (ft)	3
C7	25 Feb 2022	Wave Period (sec)	12
C7	25 Feb 2022	Sea State	Light Chop
C7	25 Feb 2022	High Tide (ft)	5.04
C7	25 Feb 2022	High Tide Time	1200
C7	25 Feb 2022	Low Tide (ft)	-0.49
C7	25 Feb 2022	Low Tide Time	1954
C7	25 Feb 2022	Comments	none
C8	07 Feb 2022	Depth (m)	19
C8	07 Feb 2022	Arrive Time	900
C8	07 Feb 2022	Depart Time	904
C8	07 Feb 2022	Air Temp (C)	16.3
C8	07 Feb 2022	Weather	Clear
C8	07 Feb 2022	Visibility (mi)	18
C8	07 Feb 2022	Wind Speed (kts)	5.7
C8	07 Feb 2022	Wind Dir	N
C8	07 Feb 2022	Water Color	Greenish-Blue
C8	07 Feb 2022	Wave Ht Low (ft)	3
C8	07 Feb 2022	Wave Period (sec)	14
C8	07 Feb 2022	Sea State	Calm
C8	07 Feb 2022	High Tide (ft)	4.31
C8	07 Feb 2022	High Tide Time	918
C8	07 Feb 2022	Low Tide (ft)	1.55
C8	07 Feb 2022	Low Tide Time	1618
C8	07 Feb 2022	Comments	none
C8	17 Feb 2022	Depth (m)	20
C8	17 Feb 2022	Arrive Time	904
C8	17 Feb 2022	Depart Time	914
C8	17 Feb 2022	Air Temp (C)	12.8
C8	17 Feb 2022	Weather	Clear
C8	17 Feb 2022	Visibility (mi)	10
C8	17 Feb 2022	Wind Speed (kts)	2.5
C8	17 Feb 2022	Wind Dir	NE
C8	17 Feb 2022	Water Color	Blueish-Green
C8	17 Feb 2022	Wave Ht Low (ft)	4
C8	17 Feb 2022	Wave Period (sec)	20
C8	17 Feb 2022	Sea State	Wind Ripples
C8	17 Feb 2022	High Tide (ft)	5.68
C8	17 Feb 2022	High Tide Time	1700
C8	17 Feb 2022	Low Tide (ft)	-0.71
C8	17 Feb 2022	Low Tide Time	2354
C8	17 Feb 2022	Comments	none
C8	25 Feb 2022	Depth (m)	18
C8	25 Feb 2022	Arrive Time	839
C8	25 Feb 2022	Depart Time	856
C8	25 Feb 2022	Air Temp (C)	11.3

Station	Date	Parameter	Value
C8	25 Feb 2022	Weather	Clear
C8	25 Feb 2022	Visibility (mi)	15
C8	25 Feb 2022	Wind Speed (kts)	3.8
C8	25 Feb 2022	Wind Dir	N
C8	25 Feb 2022	Water Color	Green
C8	25 Feb 2022	Wave Ht Low (ft)	3
C8	25 Feb 2022	Wave Period (sec)	12
C8	25 Feb 2022	Sea State	Light Chop
C8	25 Feb 2022	High Tide (ft)	5.04
C8	25 Feb 2022	High Tide Time	1200
C8	25 Feb 2022	Low Tide (ft)	-0.49
C8	25 Feb 2022	Low Tide Time	1954
C8	25 Feb 2022	Comments	none

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A1	07 Feb 2022	1	14.82	81.23	7.8	33.46	8.0	24.8	1.51
A1	07 Feb 2022	2	14.82	81.49	7.8	33.46	8.0	24.8	1.55
A1	07 Feb 2022	3	14.82	81.34	7.8	33.46	8.0	24.8	1.64
A1	07 Feb 2022	4	14.82	81.55	7.8	33.46	8.0	24.8	1.67
A1	07 Feb 2022	5	14.81	81.58	7.7	33.46	8.0	24.8	1.77
A1	07 Feb 2022	6	14.81	81.60	7.7	33.46	8.0	24.8	1.83
A1	07 Feb 2022	7	14.81	81.16	7.8	33.46	8.0	24.8	1.90
A1	07 Feb 2022	8	14.81	81.54	7.7	33.46	8.0	24.8	1.95
A1	07 Feb 2022	9	14.80	81.62	7.7	33.46	8.0	24.8	1.94
A1	07 Feb 2022	10	14.78	81.65	7.7	33.46	8.0	24.8	2.02
A1	07 Feb 2022	11	14.78	81.47	7.7	33.46	8.0	24.8	2.06
A1	07 Feb 2022	12	14.77	81.40	7.7	33.46	8.0	24.8	2.11
A1	07 Feb 2022	13	14.75	81.42	7.7	33.46	8.0	24.8	2.09
A1	07 Feb 2022	14	14.74	81.40	7.6	33.46	8.0	24.8	2.08
A1	07 Feb 2022	15	14.75	81.53	7.6	33.45	8.0	24.8	2.02
A1	07 Feb 2022	16	14.55	81.51	7.3	33.45	8.0	24.9	1.91
A1	07 Feb 2022	17	14.26	81.90	6.9	33.44	8.0	24.9	1.64
A1	07 Feb 2022	18	14.25	80.67	7.1	33.42	8.0	24.9	1.36
A1	17 Feb 2022	1	15.18	83.30	7.9	33.48	8.0	24.8	0.75
A1	17 Feb 2022	2	15.18	83.02	7.9	33.48	8.0	24.8	0.78
A1	17 Feb 2022	3	15.18	83.26	7.9	33.48	8.0	24.8	0.77
A1	17 Feb 2022	4	15.16	83.22	7.8	33.48	8.0	24.8	0.83
A1	17 Feb 2022	5	15.12	83.11	7.8	33.48	8.0	24.8	0.92
A1	17 Feb 2022	6	15.03	82.79	7.7	33.48	8.0	24.8	1.07
A1	17 Feb 2022	7	14.86	82.29	7.5	33.47	8.0	24.8	1.27
A1	17 Feb 2022	8	14.47	81.92	7.2	33.47	8.0	24.9	1.66
A1	17 Feb 2022	9	14.17	81.54	7.1	33.45	8.0	25.0	2.28
A1	17 Feb 2022	10	14.01	80.66	6.9	33.44	8.0	25.0	2.80
A1	17 Feb 2022	11	13.92	79.97	6.8	33.44	8.0	25.0	3.12
A1	17 Feb 2022	12	13.75	80.52	6.7	33.44	7.9	25.0	3.25
A1	17 Feb 2022	13	13.65	80.62	6.6	33.44	7.9	25.0	3.09
A1	17 Feb 2022	14	13.65	80.94	6.7	33.44	7.9	25.1	3.28
A1	17 Feb 2022	15	13.64	80.85	6.7	33.44	7.9	25.1	3.12
A1	17 Feb 2022	16	13.63	80.51	6.6	33.44	7.9	25.1	2.88
A1	17 Feb 2022	17	13.59	80.43	6.5	33.45	7.9	25.1	2.74
A1	17 Feb 2022	18	13.53	80.82	6.5	33.46	7.9	25.1	2.51
A1	17 Feb 2022	19	13.51	81.05	6.4	33.45	7.9	25.1	2.33
A1	17 Feb 2022	20	13.47	80.39	6.4	33.46	7.9	25.1	2.27
A1	25 Feb 2022	1	13.89	78.54	9.4	32.93	8.1	24.6	1.21
A1	25 Feb 2022	2	13.89	78.45	8.0	33.34	8.1	24.9	1.22
A1	25 Feb 2022	3	13.88	78.54	6.8	33.44	8.1	25.0	1.21
A1	25 Feb 2022	4	13.88	78.74	6.7	33.46	8.1	25.0	1.22
A1	25 Feb 2022	5	13.88	78.78	6.7	33.48	8.1	25.0	1.22
A1	25 Feb 2022	6	13.88	78.81	6.6	33.47	8.1	25.0	1.22
A1	25 Feb 2022	7	13.88	78.83	6.5	33.48	8.1	25.0	1.22
A1	25 Feb 2022	8	13.86	78.97	6.6	33.49	8.1	25.1	1.21
A1	25 Feb 2022	9	13.80	78.97	6.6	33.52	8.0	25.1	1.22
A1	25 Feb 2022	10	13.76	79.85	6.4	33.54	8.0	25.1	1.22
A1	25 Feb 2022	11	13.70	80.43	6.4	33.57	8.0	25.1	1.20
A1	25 Feb 2022	12	13.61	81.38	6.6	33.58	8.0	25.2	1.21
A1	25 Feb 2022	13	13.51	82.47	6.6	33.66	8.0	25.3	1.21
A1	25 Feb 2022	14	13.49	82.19	6.4	33.58	8.0	25.2	1.20
A1	25 Feb 2022	15	13.32	82.59	6.4	33.72	8.0	25.3	1.29
A1	25 Feb 2022	16	13.25	82.87	6.3	33.70	8.0	25.3	1.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	25 Feb 2022	17	13.05	83.11	6.3	33.79	7.9	25.4	2.10
A1	25 Feb 2022	18	12.79	83.14	6.3	33.84	7.9	25.5	2.06
A6	07 Feb 2022	1	14.91	80.59	8.0	33.46	8.1	24.8	1.59
A6	07 Feb 2022	2	14.91	80.51	8.0	33.46	8.1	24.8	1.63
A6	07 Feb 2022	3	14.91	80.52	8.0	33.46	8.1	24.8	1.75
A6	07 Feb 2022	4	14.89	80.42	7.9	33.46	8.1	24.8	1.90
A6	07 Feb 2022	5	14.84	80.72	7.8	33.46	8.1	24.8	1.91
A6	07 Feb 2022	6	14.81	81.02	7.8	33.46	8.1	24.8	1.85
A6	07 Feb 2022	7	14.76	81.25	7.7	33.45	8.1	24.8	1.84
A6	07 Feb 2022	8	14.72	81.43	7.6	33.45	8.0	24.8	1.76
A6	07 Feb 2022	9	14.72	81.49	7.6	33.45	8.0	24.8	1.79
A6	07 Feb 2022	10	14.69	81.55	7.5	33.45	8.0	24.8	1.73
A6	07 Feb 2022	11	14.66	81.63	7.5	33.45	8.0	24.9	1.66
A6	07 Feb 2022	12	14.63	81.75	7.5	33.45	8.0	24.9	1.59
A6	07 Feb 2022	13	14.59	81.88	7.4	33.45	8.0	24.9	1.52
A6	07 Feb 2022	14	14.58	81.90	7.4	33.45	8.0	24.9	1.50
A6	07 Feb 2022	15	14.56	82.00	7.4	33.45	8.0	24.9	1.45
A6	07 Feb 2022	16	14.52	82.06	7.3	33.45	8.0	24.9	1.42
A6	07 Feb 2022	17	14.50	82.11	7.2	33.44	8.0	24.9	1.38
A6	07 Feb 2022	18	14.43	82.20	7.1	33.44	8.0	24.9	1.32
A6	07 Feb 2022	19	14.34	82.25	6.9	33.44	8.0	24.9	1.26
A6	07 Feb 2022	20	14.09	82.23	6.7	33.44	8.0	25.0	1.13
A6	07 Feb 2022	21	14.16	82.03	6.9	33.43	8.0	24.9	1.08
A6	17 Feb 2022	1	15.23	82.94	7.8	33.48	8.0	24.8	0.67
A6	17 Feb 2022	2	15.22	82.85	7.7	33.48	8.0	24.8	0.69
A6	17 Feb 2022	3	15.21	82.64	7.8	33.48	8.0	24.8	0.73
A6	17 Feb 2022	4	15.21	82.64	7.8	33.48	8.1	24.8	0.76
A6	17 Feb 2022	5	15.21	82.56	7.7	33.48	8.1	24.8	0.79
A6	17 Feb 2022	6	15.21	82.64	7.8	33.48	8.1	24.8	0.82
A6	17 Feb 2022	7	15.21	82.69	7.8	33.48	8.1	24.8	0.85
A6	17 Feb 2022	8	15.21	82.61	7.8	33.48	8.1	24.8	0.93
A6	17 Feb 2022	9	15.21	82.58	7.8	33.48	8.1	24.8	0.91
A6	17 Feb 2022	10	15.21	82.50	7.8	33.48	8.1	24.8	0.92
A6	17 Feb 2022	11	15.21	82.55	7.7	33.48	8.1	24.8	0.93
A6	17 Feb 2022	12	15.20	82.63	7.7	33.48	8.1	24.8	1.01
A6	17 Feb 2022	13	15.20	82.49	7.8	33.48	8.1	24.8	1.00
A6	17 Feb 2022	14	15.19	82.57	7.7	33.48	8.1	24.8	1.02
A6	17 Feb 2022	15	15.18	82.53	7.5	33.48	8.1	24.8	1.13
A6	17 Feb 2022	16	15.02	82.55	7.2	33.48	8.0	24.8	1.17
A6	17 Feb 2022	17	14.39	82.42	6.8	33.48	8.0	24.9	1.52
A6	17 Feb 2022	18	13.65	81.69	6.3	33.48	8.0	25.1	1.65
A6	17 Feb 2022	19	13.15	81.62	6.0	33.46	7.9	25.2	1.67
A6	17 Feb 2022	20	13.05	82.31	5.9	33.45	7.9	25.2	1.53
A6	25 Feb 2022	1	14.29	78.81	7.7	33.49	8.1	25.0	2.01
A6	25 Feb 2022	2	14.28	78.96	7.7	33.49	8.1	25.0	2.07
A6	25 Feb 2022	3	14.28	78.91	7.7	33.49	8.1	25.0	2.17
A6	25 Feb 2022	4	14.28	78.80	7.7	33.49	8.1	25.0	2.58
A6	25 Feb 2022	5	14.28	78.95	7.7	33.49	8.1	25.0	2.88
A6	25 Feb 2022	6	14.27	79.01	7.7	33.49	8.1	25.0	2.98
A6	25 Feb 2022	7	14.27	79.08	7.7	33.49	8.1	25.0	2.94
A6	25 Feb 2022	8	14.27	79.14	7.7	33.49	8.1	25.0	2.97
A6	25 Feb 2022	9	14.27	79.05	7.7	33.49	8.1	25.0	3.14
A6	25 Feb 2022	10	14.27	79.04	7.7	33.49	8.1	25.0	3.04
A6	25 Feb 2022	11	14.26	79.29	7.6	33.49	8.1	25.0	2.95
A6	25 Feb 2022	12	14.25	79.31	7.6	33.49	8.1	25.0	2.88
A6	25 Feb 2022	13	14.25	79.36	7.6	33.49	8.1	25.0	2.89
A6	25 Feb 2022	14	14.25	79.49	7.6	33.49	8.1	25.0	2.87
A6	25 Feb 2022	15	14.24	79.38	7.6	33.49	8.1	25.0	2.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	25 Feb 2022	16	14.23	79.51	7.5	33.49	8.1	25.0	2.66
A6	25 Feb 2022	17	14.13	79.69	7.2	33.49	8.1	25.0	2.44
A6	25 Feb 2022	18	13.51	80.59	6.4	33.50	8.0	25.1	1.88
A6	25 Feb 2022	19	13.34	81.20	6.2	33.49	8.0	25.2	1.52
A7	07 Feb 2022	1	14.91	79.71	7.8	33.46	8.1	24.8	1.57
A7	07 Feb 2022	2	14.91	79.72	7.8	33.46	8.1	24.8	1.60
A7	07 Feb 2022	3	14.91	79.74	7.8	33.46	8.1	24.8	1.66
A7	07 Feb 2022	4	14.91	79.63	7.8	33.46	8.1	24.8	1.71
A7	07 Feb 2022	5	14.91	79.65	7.8	33.46	8.1	24.8	1.83
A7	07 Feb 2022	6	14.90	79.62	7.7	33.46	8.1	24.8	1.98
A7	07 Feb 2022	7	14.88	79.47	7.7	33.46	8.1	24.8	2.09
A7	07 Feb 2022	8	14.86	79.57	7.7	33.46	8.1	24.8	2.11
A7	07 Feb 2022	9	14.82	79.81	7.7	33.46	8.0	24.8	2.06
A7	07 Feb 2022	10	14.79	79.99	7.6	33.45	8.0	24.8	2.02
A7	07 Feb 2022	11	14.77	80.34	7.6	33.45	8.0	24.8	1.93
A7	07 Feb 2022	12	14.77	80.52	7.6	33.45	8.0	24.8	1.92
A7	07 Feb 2022	13	14.74	80.53	7.6	33.45	8.0	24.8	1.93
A7	07 Feb 2022	14	14.69	80.71	7.5	33.45	8.0	24.8	1.78
A7	07 Feb 2022	15	14.63	81.01	7.3	33.45	8.0	24.9	1.64
A7	07 Feb 2022	16	14.53	81.33	7.1	33.44	8.0	24.9	1.54
A7	07 Feb 2022	17	14.39	81.63	6.9	33.44	8.0	24.9	1.40
A7	07 Feb 2022	18	14.20	82.01	6.8	33.43	8.0	24.9	1.28
A7	07 Feb 2022	19	14.27	81.13	7.0	33.43	8.0	24.9	1.19
A7	17 Feb 2022	1	15.23	81.20	7.8	33.48	8.0	24.8	0.89
A7	17 Feb 2022	2	15.22	80.99	7.8	33.48	8.0	24.8	0.91
A7	17 Feb 2022	3	15.22	81.01	7.8	33.48	8.0	24.8	0.94
A7	17 Feb 2022	4	15.21	81.01	7.7	33.48	8.0	24.8	1.03
A7	17 Feb 2022	5	15.03	81.11	7.4	33.47	8.0	24.8	1.25
A7	17 Feb 2022	6	14.40	80.83	7.3	33.46	8.0	24.9	1.93
A7	17 Feb 2022	7	14.25	80.21	7.1	33.44	8.0	24.9	2.60
A7	17 Feb 2022	8	13.95	80.35	6.8	33.44	8.0	25.0	2.68
A7	17 Feb 2022	9	13.72	80.62	6.6	33.45	7.9	25.1	2.48
A7	17 Feb 2022	10	13.75	80.95	6.6	33.44	7.9	25.0	2.27
A7	17 Feb 2022	11	13.59	81.07	6.5	33.45	7.9	25.1	2.10
A7	17 Feb 2022	12	13.54	81.38	6.5	33.45	7.9	25.1	2.01
A7	17 Feb 2022	13	13.58	81.80	6.3	33.44	7.9	25.1	1.91
A7	17 Feb 2022	14	12.98	82.49	6.0	33.47	7.9	25.2	1.55
A7	17 Feb 2022	15	12.91	82.92	5.8	33.46	7.9	25.2	1.47
A7	17 Feb 2022	16	12.89	82.99	5.9	33.46	7.9	25.2	1.41
A7	17 Feb 2022	17	12.89	83.13	5.9	33.46	7.9	25.2	1.27
A7	17 Feb 2022	18	12.90	82.92	5.8	33.46	7.9	25.2	1.34
A7	25 Feb 2022	1	14.20	77.50	7.6	33.44	8.1	24.9	1.43
A7	25 Feb 2022	2	14.20	77.52	7.6	33.48	8.1	25.0	1.50
A7	25 Feb 2022	3	14.20	77.04	7.6	33.50	8.1	25.0	1.62
A7	25 Feb 2022	4	14.18	77.33	7.6	33.50	8.1	25.0	1.87
A7	25 Feb 2022	5	14.17	77.50	7.6	33.50	8.1	25.0	2.11
A7	25 Feb 2022	6	14.16	77.59	7.5	33.50	8.1	25.0	2.30
A7	25 Feb 2022	7	14.15	77.58	7.5	33.50	8.1	25.0	2.36
A7	25 Feb 2022	8	14.16	77.63	7.5	33.50	8.1	25.0	2.44
A7	25 Feb 2022	9	14.15	77.57	7.5	33.50	8.1	25.0	2.48
A7	25 Feb 2022	10	14.14	77.66	7.6	33.50	8.1	25.0	2.63
A7	25 Feb 2022	11	14.12	77.62	7.5	33.50	8.1	25.0	2.79
A7	25 Feb 2022	12	14.10	77.56	7.5	33.50	8.1	25.0	2.86
A7	25 Feb 2022	13	14.09	77.72	7.5	33.49	8.1	25.0	2.84
A7	25 Feb 2022	14	14.09	77.88	7.5	33.49	8.1	25.0	2.91
A7	25 Feb 2022	15	14.06	77.93	7.3	33.49	8.1	25.0	2.86
A7	25 Feb 2022	16	13.81	78.57	7.0	33.49	8.0	25.1	2.26
A7	25 Feb 2022	17	13.78	78.76	6.8	33.48	8.0	25.1	2.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	25 Feb 2022	18	13.47	79.96	6.3	33.48	8.0	25.1	1.57
A7	25 Feb 2022	19	13.32	80.73	6.3	33.49	8.0	25.2	1.52
C4	07 Feb 2022	1	15.00	77.01	8.1	33.48	8.1	24.8	0.97
C4	07 Feb 2022	2	14.90	76.87	7.8	33.47	8.1	24.8	1.02
C4	07 Feb 2022	3	14.81	76.53	7.6	33.46	8.1	24.8	1.12
C4	07 Feb 2022	4	14.78	76.64	7.5	33.46	8.1	24.8	1.20
C4	07 Feb 2022	5	14.73	77.26	7.5	33.45	8.0	24.8	1.20
C4	07 Feb 2022	6	14.69	77.92	7.4	33.45	8.0	24.8	1.26
C4	07 Feb 2022	7	14.65	78.55	7.2	33.44	8.0	24.8	1.27
C4	07 Feb 2022	8	14.53	78.48	6.8	33.44	8.0	24.9	1.15
C4	07 Feb 2022	9	14.50	76.42	6.6	33.43	8.0	24.9	0.97
C4	07 Feb 2022	10	14.50	74.78	6.6	33.43	8.0	24.9	0.90
C4	07 Feb 2022	11	14.50	73.95	6.6	33.43	8.0	24.9	0.86
C4	17 Feb 2022	1	15.13	80.55	7.7	33.48	8.0	24.8	0.78
C4	17 Feb 2022	2	15.12	79.80	7.7	33.48	8.0	24.8	0.83
C4	17 Feb 2022	3	15.09	80.12	7.7	33.48	8.0	24.8	0.90
C4	17 Feb 2022	4	15.08	80.10	7.7	33.47	8.0	24.8	0.93
C4	17 Feb 2022	5	15.08	80.13	7.7	33.47	8.0	24.8	0.98
C4	17 Feb 2022	6	15.07	80.10	7.7	33.47	8.0	24.8	1.11
C4	17 Feb 2022	7	15.07	80.22	7.7	33.47	8.0	24.8	1.12
C4	17 Feb 2022	8	15.06	80.25	7.7	33.47	8.0	24.8	1.17
C4	17 Feb 2022	9	15.06	80.20	7.7	33.47	8.0	24.8	1.26
C4	17 Feb 2022	10	15.06	80.30	7.7	33.47	8.0	24.8	1.30
C4	17 Feb 2022	11	15.06	80.32	7.8	33.47	8.0	24.8	1.19
C4	25 Feb 2022	1	14.00	77.46	7.1	33.50	8.1	25.0	0.83
C4	25 Feb 2022	2	14.00	75.04	7.1	33.50	8.1	25.0	0.84
C4	25 Feb 2022	3	13.99	77.77	7.1	33.50	8.1	25.0	0.86
C4	25 Feb 2022	4	13.99	77.96	7.1	33.50	8.0	25.0	0.91
C4	25 Feb 2022	5	13.98	77.98	7.1	33.50	8.0	25.0	0.97
C4	25 Feb 2022	6	13.97	77.92	7.0	33.50	8.0	25.0	1.04
C4	25 Feb 2022	7	13.96	77.93	7.0	33.50	8.0	25.0	1.13
C4	25 Feb 2022	8	13.94	77.97	6.8	33.50	8.0	25.0	1.15
C4	25 Feb 2022	9	13.84	78.17	6.5	33.49	8.0	25.1	1.02
C4	25 Feb 2022	10	13.71	78.73	6.0	33.48	8.0	25.1	0.99
C4	25 Feb 2022	11	13.69	79.30	6.0	33.48	8.0	25.1	0.96
C5	07 Feb 2022	1	15.19	68.81	8.2	33.52	8.2	24.8	0.88
C5	07 Feb 2022	2	15.17	68.20	8.2	33.52	8.2	24.8	0.90
C5	07 Feb 2022	3	15.13	67.40	8.2	33.52	8.2	24.8	0.97
C5	07 Feb 2022	4	15.05	66.94	8.0	33.51	8.2	24.8	1.00
C5	07 Feb 2022	5	14.96	67.76	7.8	33.49	8.1	24.8	0.97
C5	07 Feb 2022	6	14.88	68.63	7.5	33.48	8.1	24.8	0.91
C5	07 Feb 2022	7	14.75	70.13	7.3	33.46	8.1	24.8	0.89
C5	07 Feb 2022	8	14.62	71.79	7.1	33.44	8.0	24.9	0.88
C5	07 Feb 2022	9	14.53	69.87	6.9	33.43	8.0	24.9	0.93
C5	07 Feb 2022	10	14.50	58.22	6.9	33.43	8.0	24.9	1.05
C5	17 Feb 2022	1	15.24	73.73	7.5	33.47	8.0	24.7	0.71
C5	17 Feb 2022	2	15.24	73.50	7.5	33.47	8.0	24.7	0.73
C5	17 Feb 2022	3	15.24	73.73	7.6	33.48	8.0	24.7	0.80
C5	17 Feb 2022	4	15.23	74.29	7.6	33.48	8.1	24.7	0.90
C5	17 Feb 2022	5	15.21	74.34	7.5	33.48	8.1	24.8	0.99
C5	17 Feb 2022	6	15.18	73.63	7.4	33.47	8.0	24.8	0.97
C5	17 Feb 2022	7	15.17	72.52	7.4	33.47	8.0	24.8	0.94
C5	17 Feb 2022	8	15.14	71.32	7.3	33.47	8.0	24.8	0.92
C5	17 Feb 2022	9	15.12	69.76	7.2	33.47	8.0	24.8	0.90
C5	17 Feb 2022	10	15.06	69.08	7.1	33.47	8.0	24.8	0.86
C5	17 Feb 2022	11	15.00	67.80	7.1	33.46	8.0	24.8	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C5	25 Feb 2022	1	14.21	76.64	7.6	33.52	8.1	25.0	0.85
C5	25 Feb 2022	2	14.19	76.62	7.6	33.52	8.1	25.0	0.87
C5	25 Feb 2022	3	14.17	76.50	7.6	33.51	8.1	25.0	0.91
C5	25 Feb 2022	4	14.17	76.89	7.6	33.51	8.1	25.0	0.97
C5	25 Feb 2022	5	14.15	77.04	7.5	33.51	8.1	25.0	1.00
C5	25 Feb 2022	6	14.13	78.01	7.5	33.51	8.1	25.0	1.00
C5	25 Feb 2022	7	14.12	78.60	7.5	33.51	8.1	25.0	1.01
C5	25 Feb 2022	8	14.12	78.99	7.5	33.51	8.1	25.0	0.99
C5	25 Feb 2022	9	14.13	79.09	7.5	33.51	8.1	25.0	0.95
C6	07 Feb 2022	1	15.11	72.52	8.0	33.48	8.1	24.8	0.78
C6	07 Feb 2022	2	15.06	72.89	7.9	33.48	8.1	24.8	0.80
C6	07 Feb 2022	3	14.97	73.40	7.8	33.47	8.1	24.8	0.93
C6	07 Feb 2022	4	14.96	74.04	7.8	33.47	8.1	24.8	1.05
C6	07 Feb 2022	5	14.94	73.97	7.7	33.47	8.1	24.8	1.09
C6	07 Feb 2022	6	14.78	73.03	7.1	33.46	8.1	24.8	0.99
C6	07 Feb 2022	7	14.66	73.03	6.7	33.45	8.0	24.8	0.95
C6	07 Feb 2022	8	14.57	73.49	6.6	33.44	8.0	24.9	0.94
C6	07 Feb 2022	9	14.60	73.67	6.8	33.44	8.0	24.9	0.90
C6	07 Feb 2022	10	14.60	71.54	6.8	33.44	8.0	24.9	0.89
C6	17 Feb 2022	1	15.24	79.79	7.8	33.48	8.1	24.7	0.73
C6	17 Feb 2022	2	15.24	80.05	7.7	33.48	8.1	24.7	0.75
C6	17 Feb 2022	3	15.21	79.97	7.7	33.48	8.1	24.8	0.77
C6	17 Feb 2022	4	15.20	80.00	7.7	33.48	8.1	24.8	0.87
C6	17 Feb 2022	5	15.19	79.88	7.6	33.48	8.1	24.8	0.97
C6	17 Feb 2022	6	15.17	79.41	7.7	33.47	8.1	24.8	1.07
C6	17 Feb 2022	7	15.16	79.43	7.6	33.47	8.0	24.8	1.14
C6	17 Feb 2022	8	15.10	79.32	7.3	33.47	8.0	24.8	1.07
C6	17 Feb 2022	9	14.98	79.01	7.2	33.46	8.0	24.8	0.94
C6	17 Feb 2022	10	14.89	78.57	7.3	33.46	8.0	24.8	0.77
C6	25 Feb 2022	1	14.33	78.06	7.6	33.51	8.1	25.0	0.87
C6	25 Feb 2022	2	14.33	78.14	7.6	33.51	8.1	25.0	0.87
C6	25 Feb 2022	3	14.30	77.99	7.6	33.51	8.1	25.0	0.97
C6	25 Feb 2022	4	14.29	77.81	7.6	33.51	8.1	25.0	1.03
C6	25 Feb 2022	5	14.27	77.71	7.6	33.51	8.1	25.0	1.16
C6	25 Feb 2022	6	14.27	77.61	7.6	33.51	8.1	25.0	1.24
C6	25 Feb 2022	7	14.26	77.49	7.6	33.51	8.1	25.0	1.26
C6	25 Feb 2022	8	14.04	77.91	6.9	33.50	8.1	25.0	1.15
C6	25 Feb 2022	9	13.55	80.60	6.1	33.49	8.0	25.1	0.95
C7	07 Feb 2022	1	14.78	81.57	7.7	33.46	8.0	24.8	1.23
C7	07 Feb 2022	2	14.77	81.62	7.7	33.46	8.0	24.8	1.27
C7	07 Feb 2022	3	14.76	81.56	7.7	33.46	8.0	24.8	1.34
C7	07 Feb 2022	4	14.75	81.49	7.7	33.46	8.0	24.8	1.35
C7	07 Feb 2022	5	14.75	81.54	7.7	33.46	8.0	24.8	1.44
C7	07 Feb 2022	6	14.75	81.50	7.7	33.46	8.0	24.8	1.51
C7	07 Feb 2022	7	14.74	81.48	7.7	33.46	8.0	24.8	1.59
C7	07 Feb 2022	8	14.74	81.50	7.7	33.46	8.0	24.8	1.65
C7	07 Feb 2022	9	14.74	81.48	7.7	33.46	8.0	24.8	1.68
C7	07 Feb 2022	10	14.73	81.62	7.6	33.46	8.0	24.8	1.75
C7	07 Feb 2022	11	14.72	81.58	7.6	33.46	8.0	24.8	1.75
C7	07 Feb 2022	12	14.63	81.66	7.5	33.45	8.0	24.9	1.84
C7	07 Feb 2022	13	14.50	81.54	7.3	33.45	8.0	24.9	1.99
C7	07 Feb 2022	14	14.37	81.37	7.3	33.44	8.0	24.9	1.92
C7	07 Feb 2022	15	14.29	81.78	7.2	33.44	8.0	24.9	1.81
C7	07 Feb 2022	16	14.21	81.92	7.0	33.44	8.0	24.9	1.68
C7	07 Feb 2022	17	13.93	81.55	6.7	33.44	8.0	25.0	1.43
C7	07 Feb 2022	18	13.71	81.52	6.6	33.42	8.0	25.0	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C7	17 Feb 2022	1	15.28	78.19	7.9	33.47	8.1	24.7	1.01
C7	17 Feb 2022	2	15.28	78.17	7.9	33.47	8.1	24.7	1.01
C7	17 Feb 2022	3	15.26	78.51	7.9	33.47	8.1	24.7	1.22
C7	17 Feb 2022	4	15.22	80.13	7.9	33.48	8.1	24.7	1.33
C7	17 Feb 2022	5	15.20	81.18	7.9	33.47	8.1	24.8	1.39
C7	17 Feb 2022	6	15.19	81.55	7.8	33.47	8.1	24.8	1.53
C7	17 Feb 2022	7	15.18	81.72	7.8	33.47	8.0	24.8	1.44
C7	17 Feb 2022	8	15.16	81.63	7.7	33.47	8.0	24.8	1.50
C7	17 Feb 2022	9	15.12	81.72	7.6	33.47	8.0	24.8	1.44
C7	17 Feb 2022	10	15.05	81.77	7.5	33.47	8.0	24.8	1.36
C7	17 Feb 2022	11	14.96	81.67	7.4	33.46	8.0	24.8	1.35
C7	17 Feb 2022	12	14.96	81.28	7.4	33.46	8.0	24.8	1.27
C7	17 Feb 2022	13	14.92	81.15	7.3	33.45	8.0	24.8	1.26
C7	17 Feb 2022	14	14.81	81.13	7.2	33.45	8.0	24.8	1.31
C7	17 Feb 2022	15	14.69	81.18	7.0	33.45	8.0	24.8	1.34
C7	17 Feb 2022	16	14.41	81.23	6.7	33.45	8.0	24.9	1.39
C7	17 Feb 2022	17	13.78	81.19	6.4	33.46	8.0	25.0	1.50
C7	17 Feb 2022	18	13.52	81.07	6.2	33.45	7.9	25.1	1.60
C7	17 Feb 2022	19	13.31	81.09	6.2	33.46	7.9	25.1	1.31
C7	25 Feb 2022	1	14.23	76.79	7.8	33.47	8.1	25.0	2.45
C7	25 Feb 2022	2	14.23	76.27	7.8	33.47	8.1	25.0	2.79
C7	25 Feb 2022	3	14.23	76.70	7.8	33.47	8.1	25.0	3.78
C7	25 Feb 2022	4	14.23	76.19	7.8	33.47	8.1	25.0	4.26
C7	25 Feb 2022	5	14.23	75.92	7.8	33.47	8.1	25.0	4.87
C7	25 Feb 2022	6	14.22	75.61	7.7	33.48	8.1	25.0	5.47
C7	25 Feb 2022	7	14.21	75.52	7.6	33.48	8.1	25.0	5.98
C7	25 Feb 2022	8	14.17	76.41	7.4	33.49	8.1	25.0	5.46
C7	25 Feb 2022	9	14.15	77.00	7.4	33.49	8.1	25.0	5.27
C7	25 Feb 2022	10	14.12	77.41	7.3	33.49	8.1	25.0	4.75
C7	25 Feb 2022	11	14.09	78.49	7.3	33.49	8.1	25.0	3.89
C7	25 Feb 2022	12	14.01	79.14	7.2	33.49	8.1	25.0	3.37
C7	25 Feb 2022	13	13.91	80.26	7.0	33.49	8.0	25.0	2.75
C7	25 Feb 2022	14	13.73	81.35	6.8	33.49	8.0	25.1	2.08
C7	25 Feb 2022	15	13.67	82.01	6.6	33.49	8.0	25.1	1.66
C7	25 Feb 2022	16	13.50	82.22	6.3	33.49	8.0	25.1	1.45
C7	25 Feb 2022	17	13.20	82.39	5.9	33.49	8.0	25.2	1.26
C7	25 Feb 2022	18	12.82	82.39	5.5	33.51	7.9	25.3	1.17
C8	07 Feb 2022	1	14.67	81.65	7.6	33.46	8.0	24.9	1.12
C8	07 Feb 2022	2	14.66	81.66	7.6	33.46	8.0	24.9	1.07
C8	07 Feb 2022	3	14.65	81.74	7.6	33.46	8.0	24.9	1.09
C8	07 Feb 2022	4	14.64	81.81	7.6	33.45	8.0	24.9	1.15
C8	07 Feb 2022	5	14.64	81.82	7.6	33.45	8.0	24.9	1.20
C8	07 Feb 2022	6	14.64	81.85	7.6	33.45	8.0	24.9	1.29
C8	07 Feb 2022	7	14.64	81.90	7.6	33.45	8.0	24.9	1.41
C8	07 Feb 2022	8	14.63	81.84	7.6	33.46	8.0	24.9	1.52
C8	07 Feb 2022	9	14.63	81.70	7.6	33.46	8.0	24.9	1.65
C8	07 Feb 2022	10	14.63	81.56	7.5	33.46	8.0	24.9	1.66
C8	07 Feb 2022	11	14.63	81.62	7.6	33.46	8.0	24.9	1.72
C8	07 Feb 2022	12	14.63	81.59	7.6	33.46	8.0	24.9	1.78
C8	07 Feb 2022	13	14.62	81.63	7.5	33.46	8.0	24.9	1.80
C8	07 Feb 2022	14	14.45	81.60	7.2	33.45	8.0	24.9	1.81
C8	07 Feb 2022	15	14.11	81.84	6.9	33.44	8.0	25.0	1.72
C8	07 Feb 2022	16	14.03	82.01	6.8	33.44	8.0	25.0	1.61
C8	07 Feb 2022	17	13.97	82.06	7.2	33.43	8.0	25.0	1.52
C8	07 Feb 2022	18	13.94	81.70	6.8	33.43	8.0	25.0	1.41
C8	07 Feb 2022	19	13.93	81.25	6.8	33.43	8.0	25.0	1.36
C8	17 Feb 2022	1	15.14	80.72	7.8	33.47	8.1	24.8	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	17 Feb 2022	2	15.13	80.48	7.8	33.47	8.1	24.8	1.01
C8	17 Feb 2022	3	15.13	80.57	7.9	33.47	8.1	24.8	1.15
C8	17 Feb 2022	4	15.12	80.64	7.9	33.47	8.1	24.8	1.18
C8	17 Feb 2022	5	15.12	80.59	7.8	33.47	8.1	24.8	1.30
C8	17 Feb 2022	6	15.12	80.21	7.9	33.47	8.1	24.8	1.41
C8	17 Feb 2022	7	15.12	80.50	7.9	33.47	8.1	24.8	1.54
C8	17 Feb 2022	8	15.11	80.56	7.9	33.47	8.1	24.8	1.61
C8	17 Feb 2022	9	15.11	80.55	7.9	33.47	8.1	24.8	1.74
C8	17 Feb 2022	10	15.11	80.70	7.9	33.47	8.1	24.8	1.77
C8	17 Feb 2022	11	15.10	80.68	7.9	33.47	8.1	24.8	1.93
C8	17 Feb 2022	12	15.10	80.80	7.8	33.47	8.1	24.8	1.89
C8	17 Feb 2022	13	15.06	80.91	7.7	33.47	8.1	24.8	1.75
C8	17 Feb 2022	14	14.88	81.14	7.5	33.47	8.0	24.8	1.61
C8	17 Feb 2022	15	14.81	81.40	7.5	33.46	8.0	24.8	1.66
C8	17 Feb 2022	16	14.79	81.32	7.5	33.46	8.0	24.8	1.98
C8	17 Feb 2022	17	14.76	81.22	7.4	33.45	8.0	24.8	1.90
C8	17 Feb 2022	18	14.69	81.11	7.2	33.45	8.0	24.8	1.63
C8	17 Feb 2022	19	14.48	81.63	7.0	33.45	8.0	24.9	1.48
C8	17 Feb 2022	20	14.18	81.49	6.8	33.45	8.0	25.0	1.40
C8	25 Feb 2022	1	14.16	77.89	7.8	33.47	8.1	25.0	1.70
C8	25 Feb 2022	2	14.16	77.75	7.7	33.47	8.1	25.0	1.65
C8	25 Feb 2022	3	14.15	77.44	7.8	33.47	8.1	25.0	1.84
C8	25 Feb 2022	4	14.15	76.87	7.7	33.47	8.1	25.0	2.41
C8	25 Feb 2022	5	14.15	76.70	7.7	33.48	8.1	25.0	2.80
C8	25 Feb 2022	6	14.15	76.35	7.7	33.48	8.1	25.0	3.34
C8	25 Feb 2022	7	14.14	76.29	7.7	33.48	8.1	25.0	3.69
C8	25 Feb 2022	8	14.13	76.29	7.7	33.48	8.1	25.0	3.88
C8	25 Feb 2022	9	14.12	76.44	7.6	33.48	8.1	25.0	3.84
C8	25 Feb 2022	10	14.09	76.57	7.4	33.49	8.1	25.0	3.42
C8	25 Feb 2022	11	14.00	77.45	7.2	33.49	8.1	25.0	2.70
C8	25 Feb 2022	12	13.76	79.74	6.8	33.49	8.0	25.1	2.07
C8	25 Feb 2022	13	13.61	81.26	6.5	33.48	8.0	25.1	1.81
C8	25 Feb 2022	14	13.40	81.86	6.3	33.48	8.0	25.1	1.65
C8	25 Feb 2022	15	13.35	82.02	6.3	33.48	8.0	25.1	1.60
C8	25 Feb 2022	16	13.18	82.03	5.9	33.48	8.0	25.2	1.47
C8	25 Feb 2022	17	12.56	82.53	5.4	33.51	7.9	25.3	1.35
C8	25 Feb 2022	18	12.49	82.86	5.3	33.50	7.9	25.3	1.26
C8	25 Feb 2022	19	12.47	82.91	5.3	33.50	7.9	25.3	1.25

NA = not available

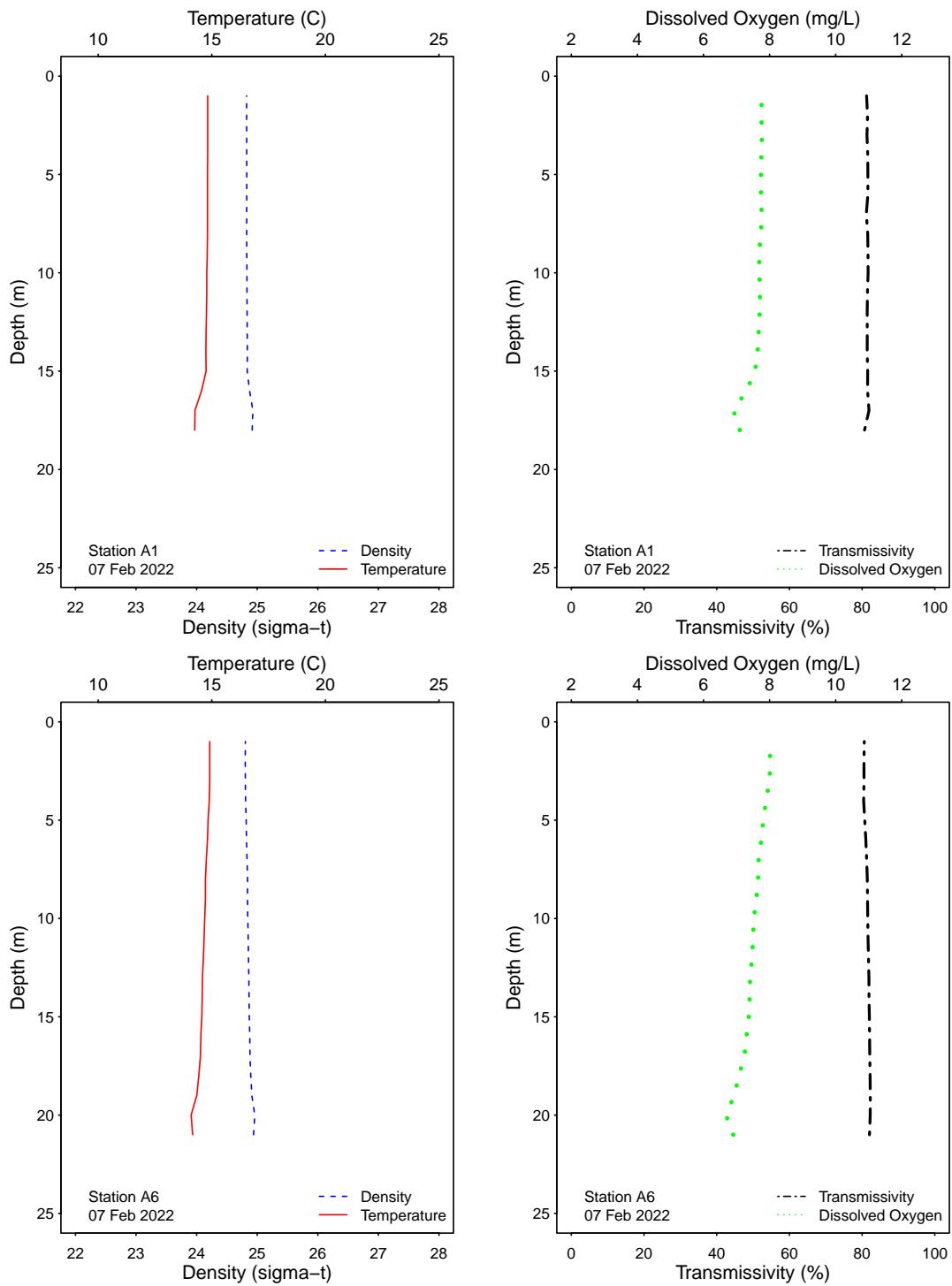


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

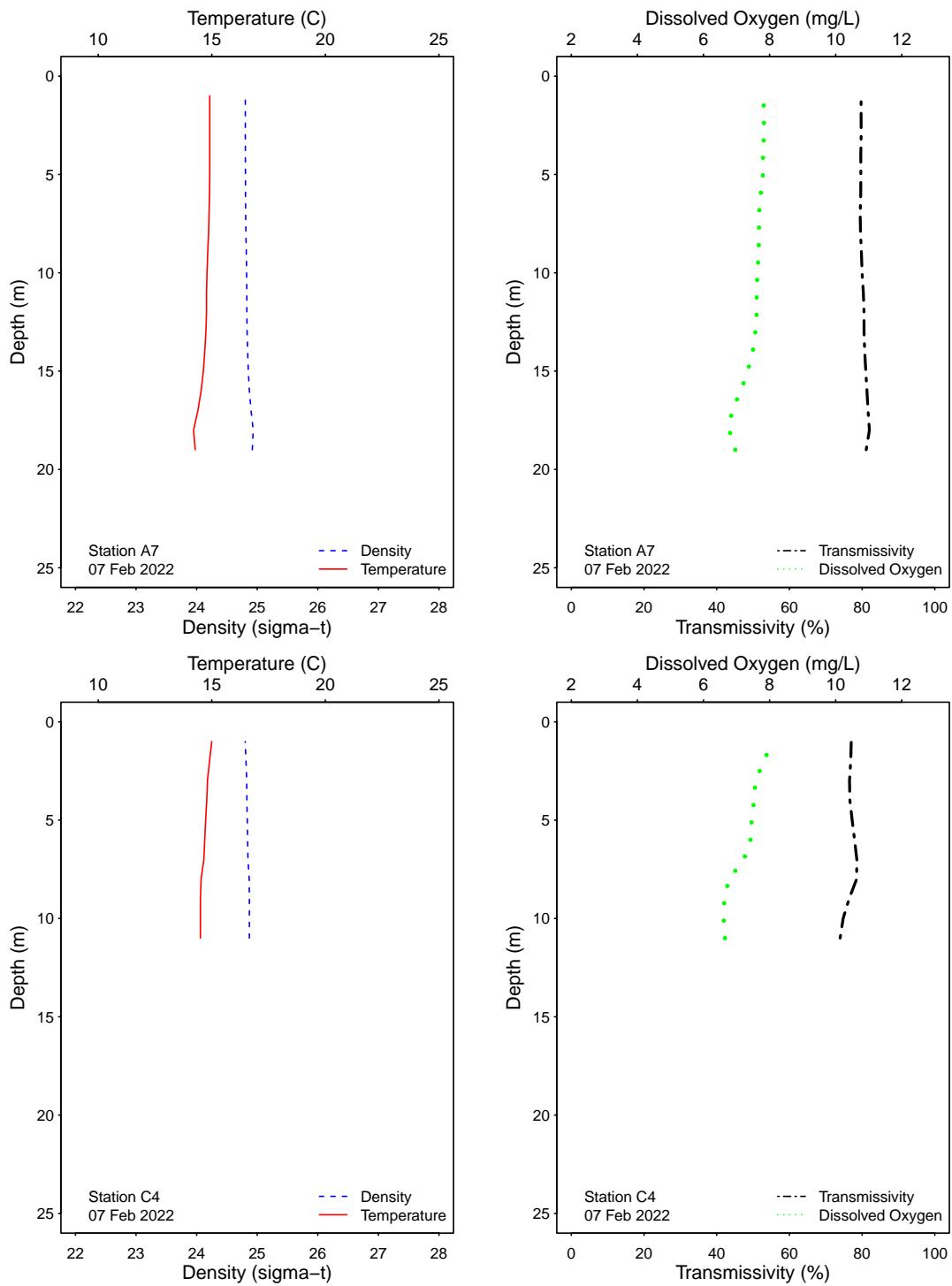


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

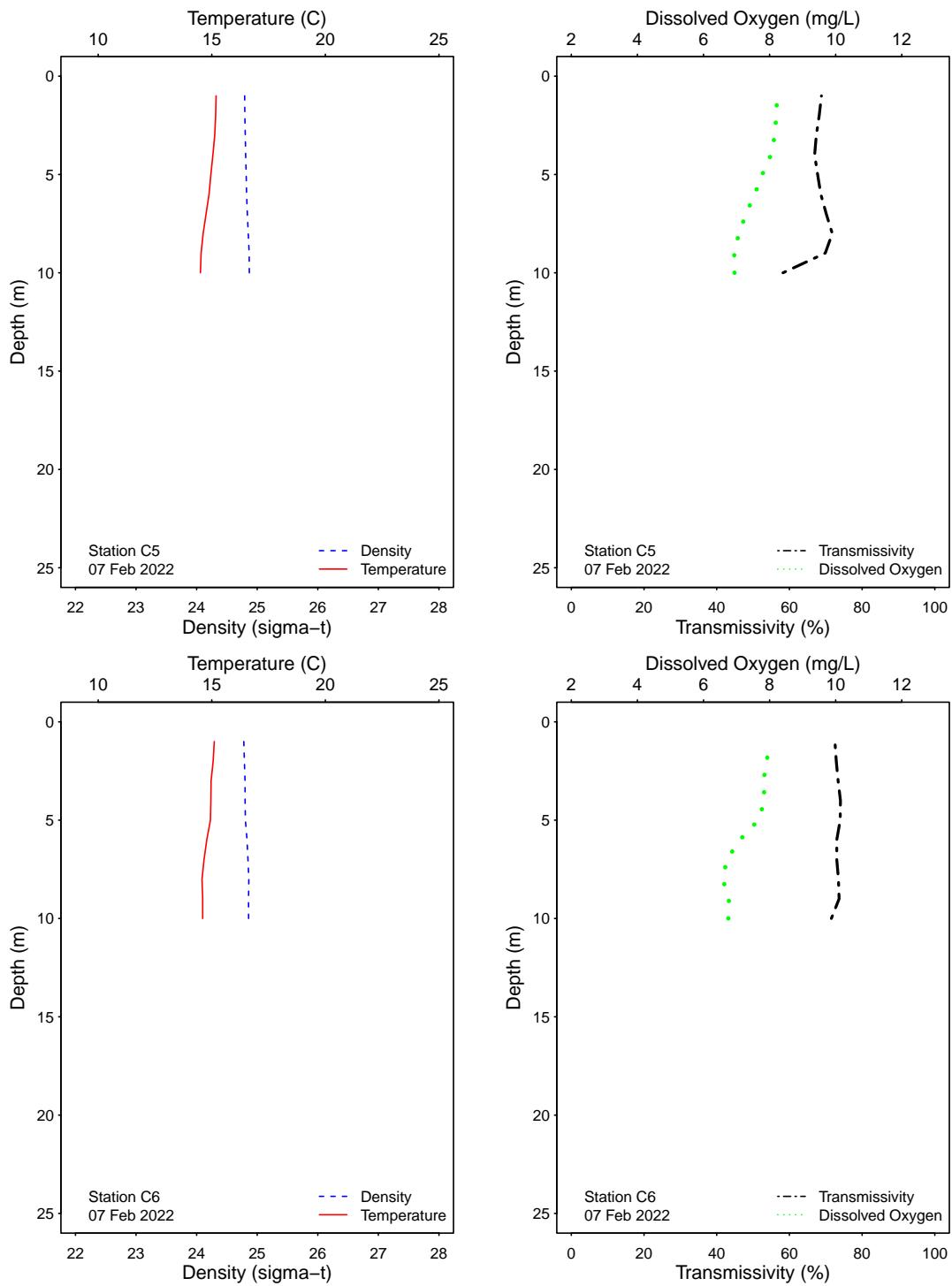


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

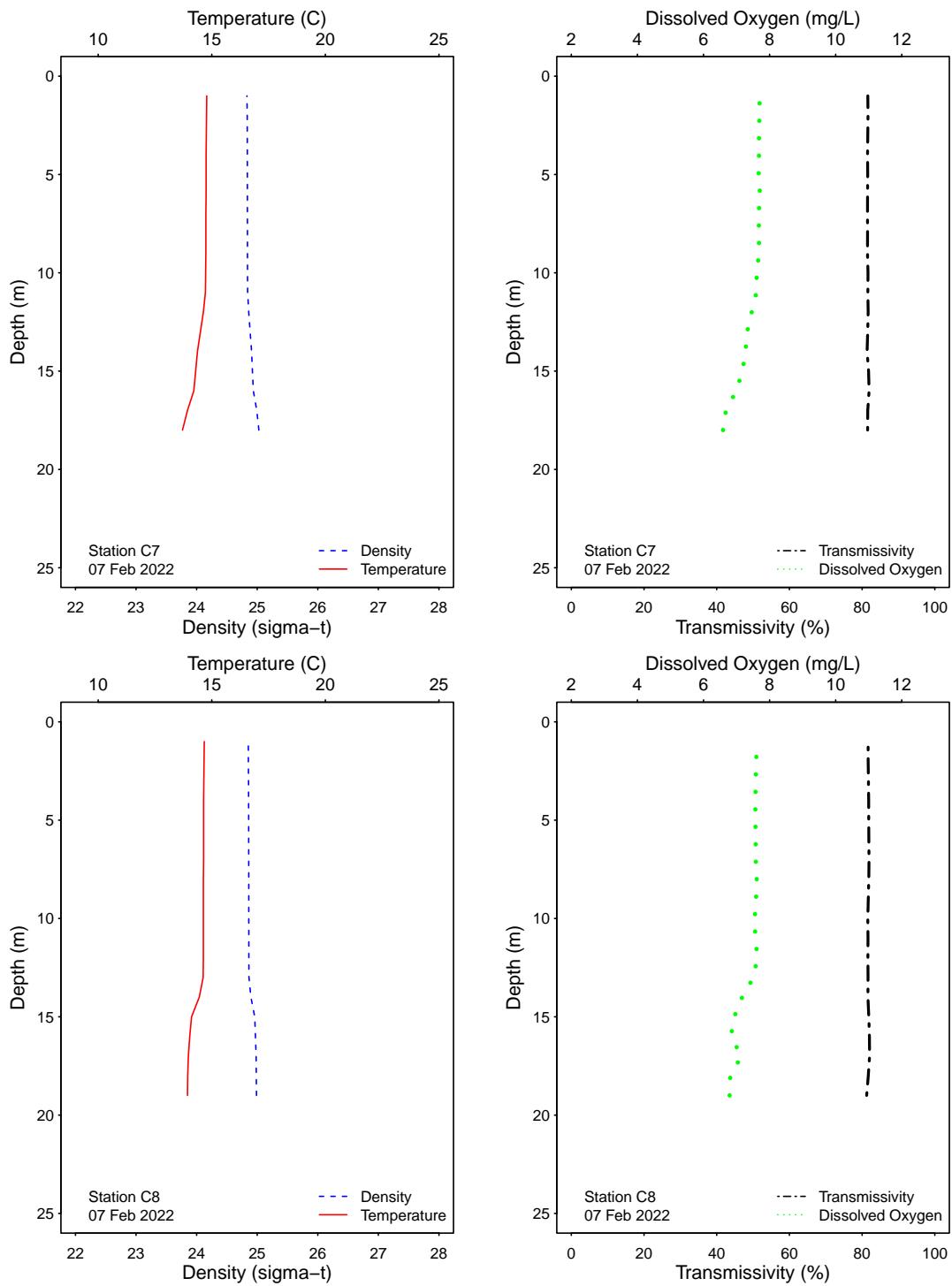


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

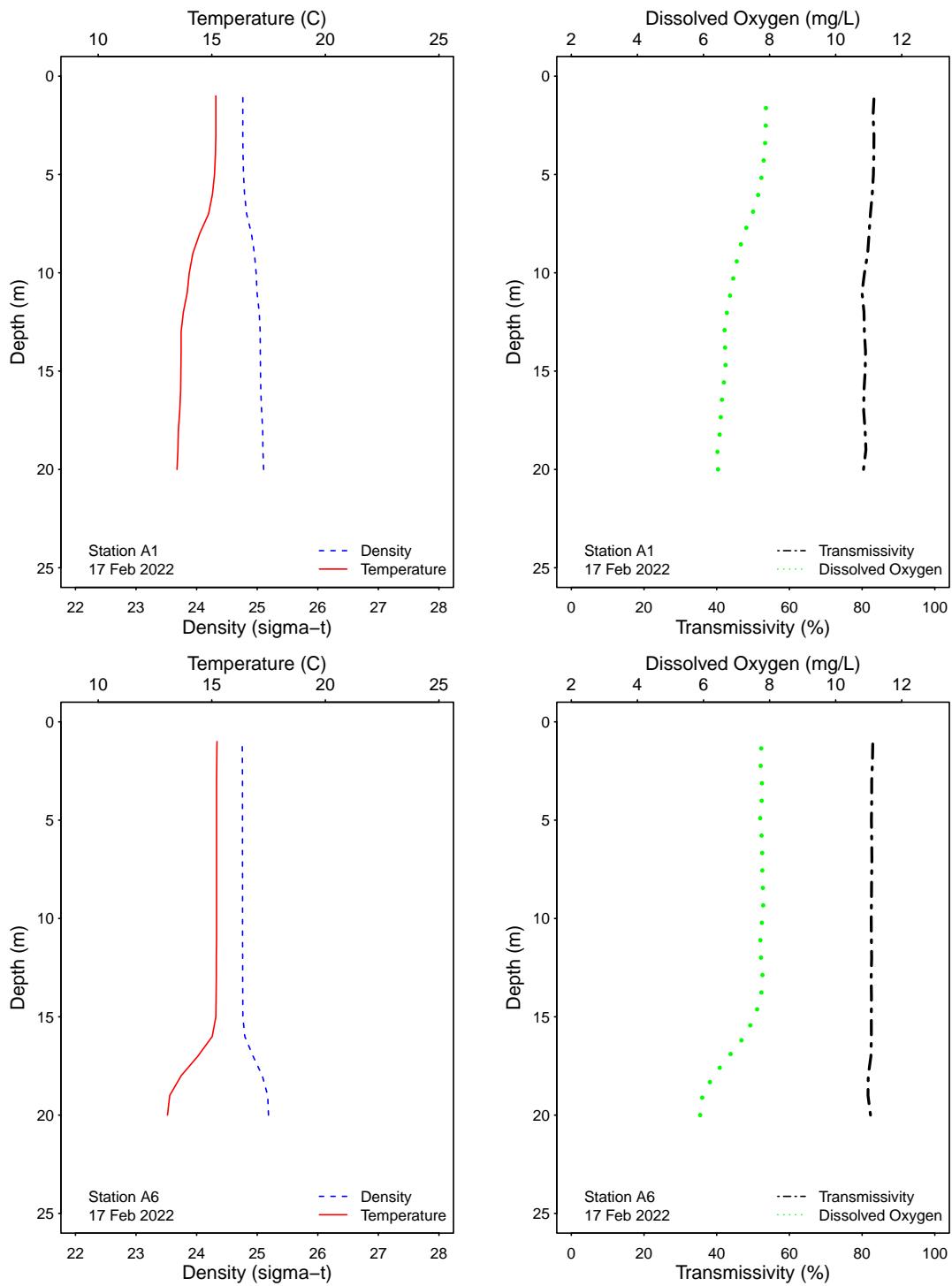


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

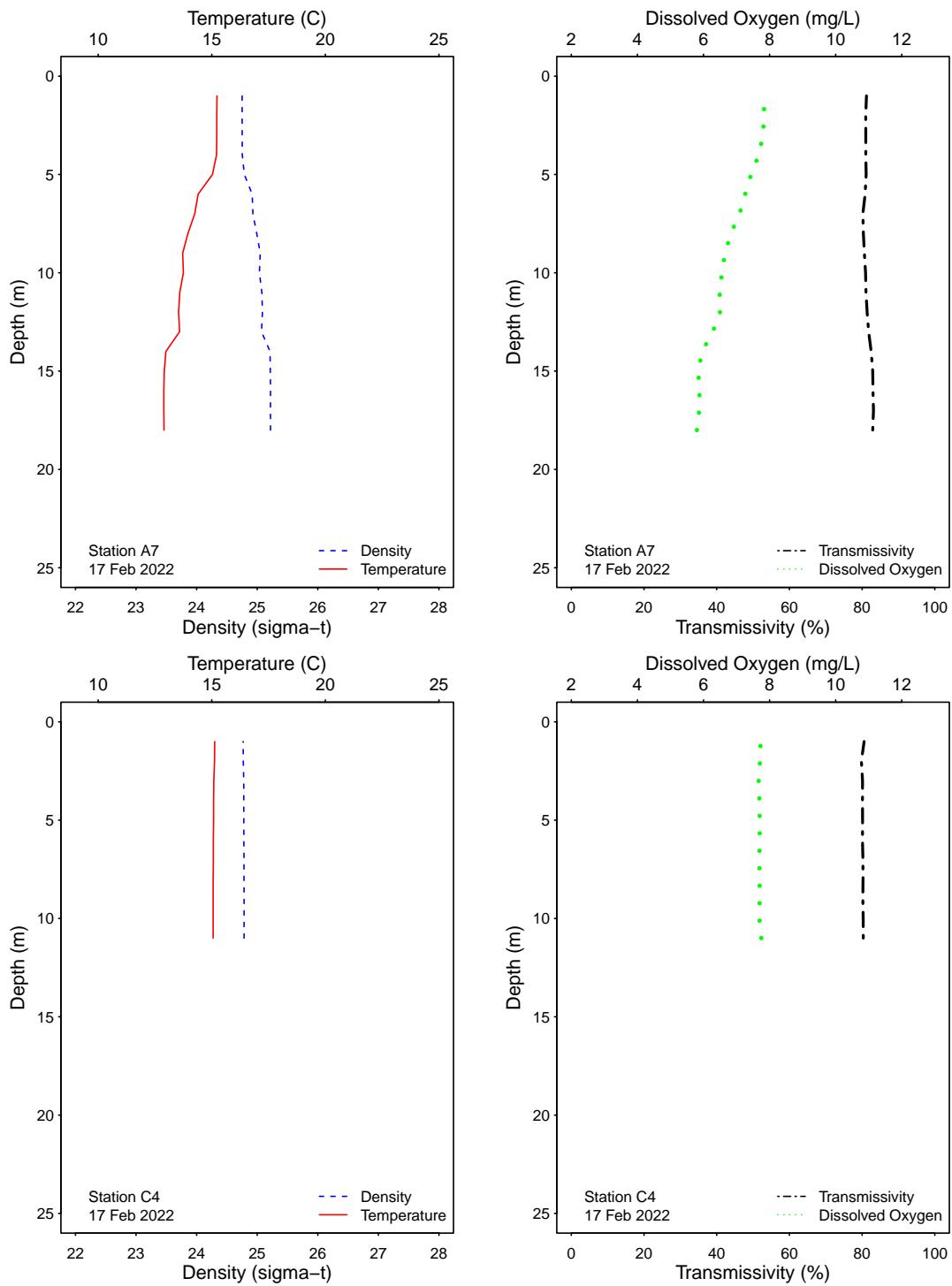


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

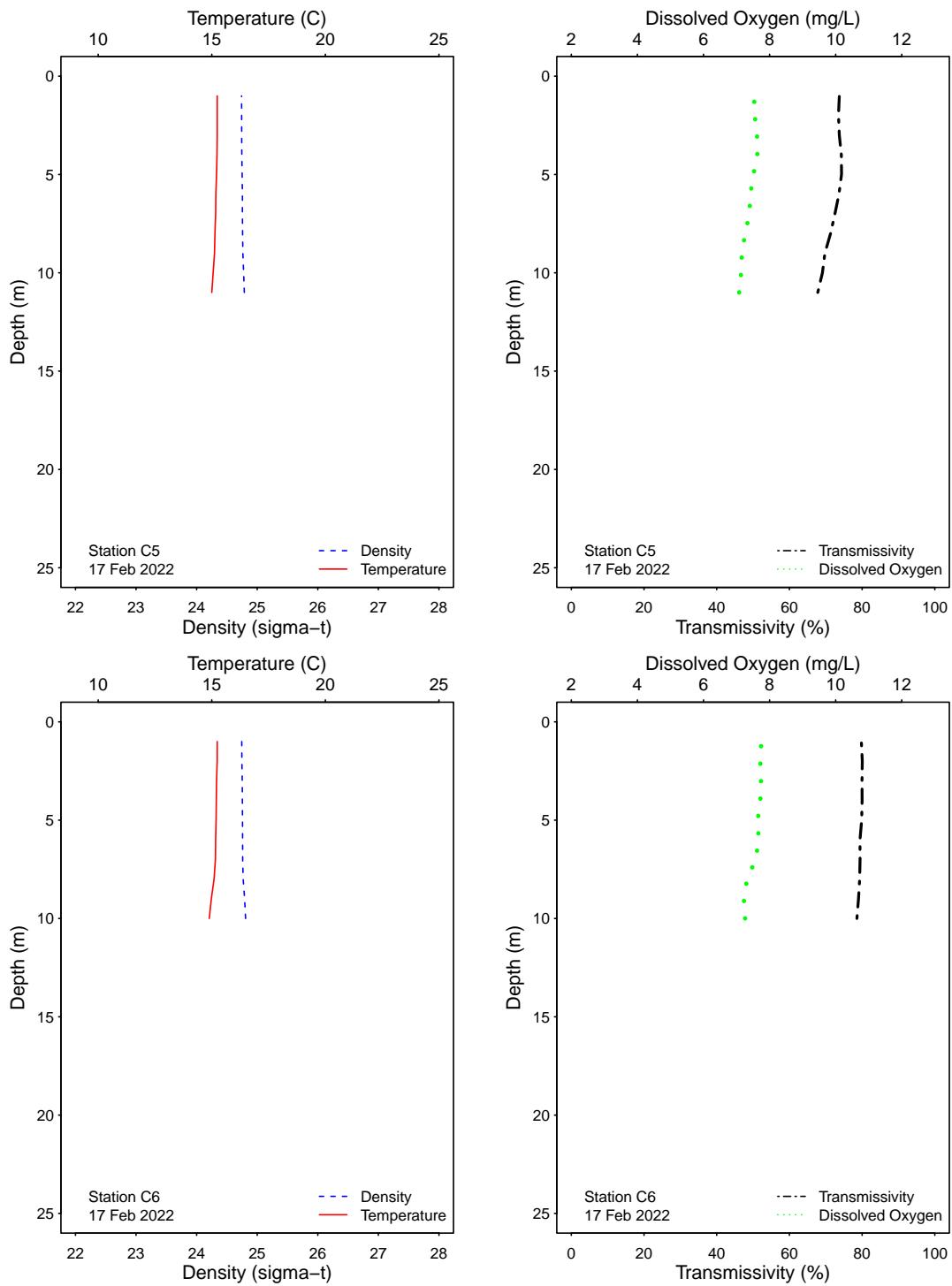


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

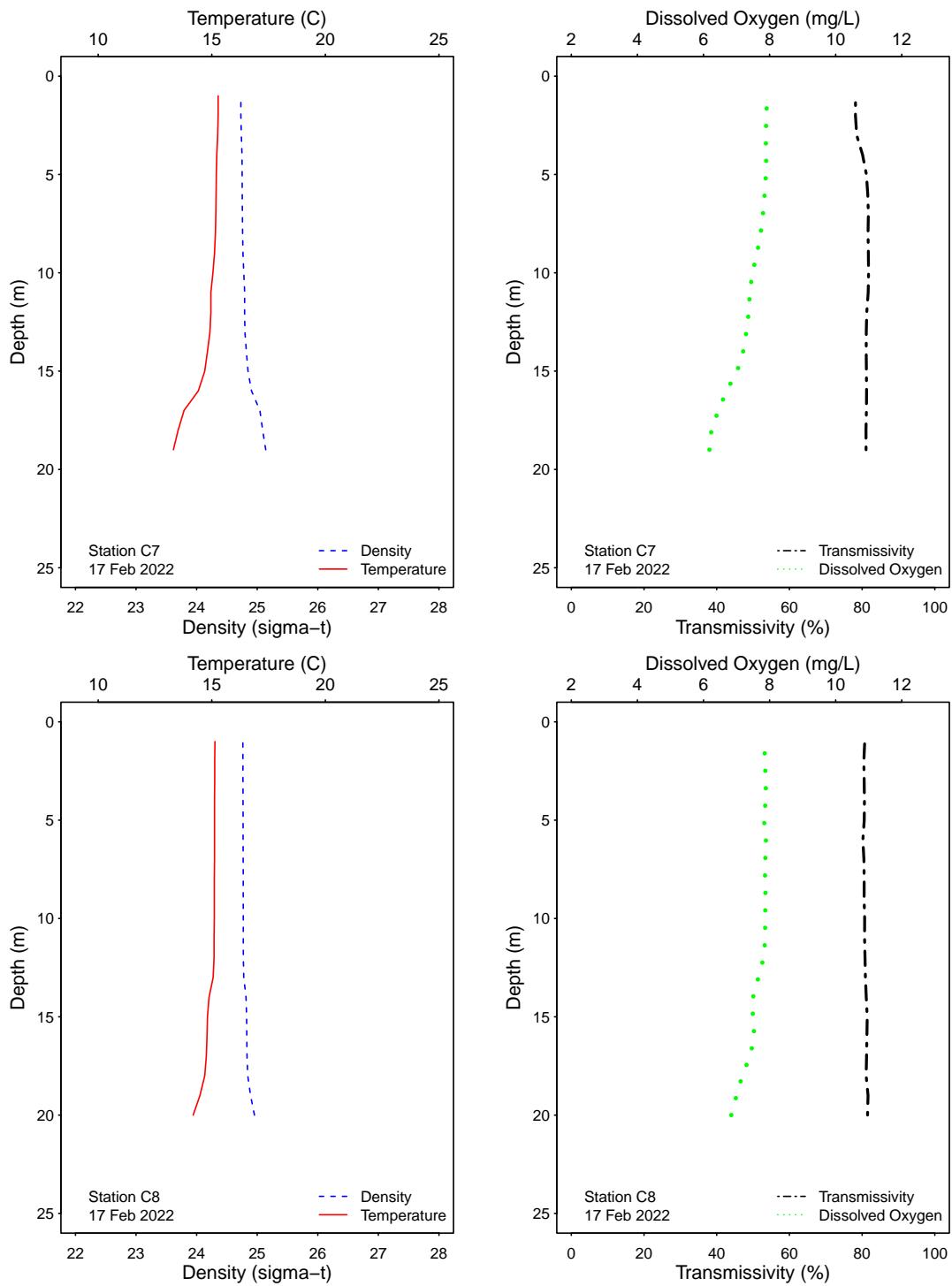


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

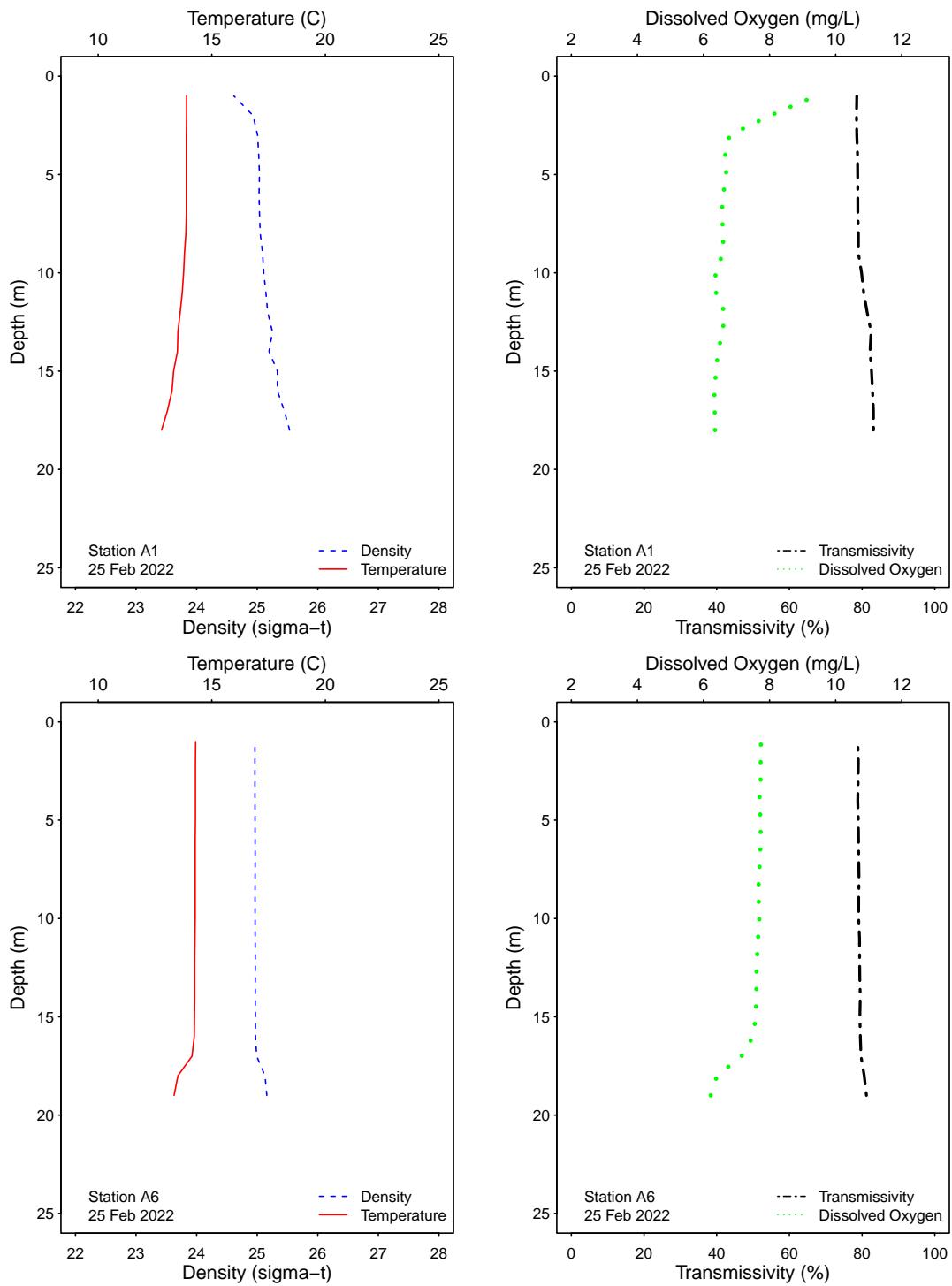


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

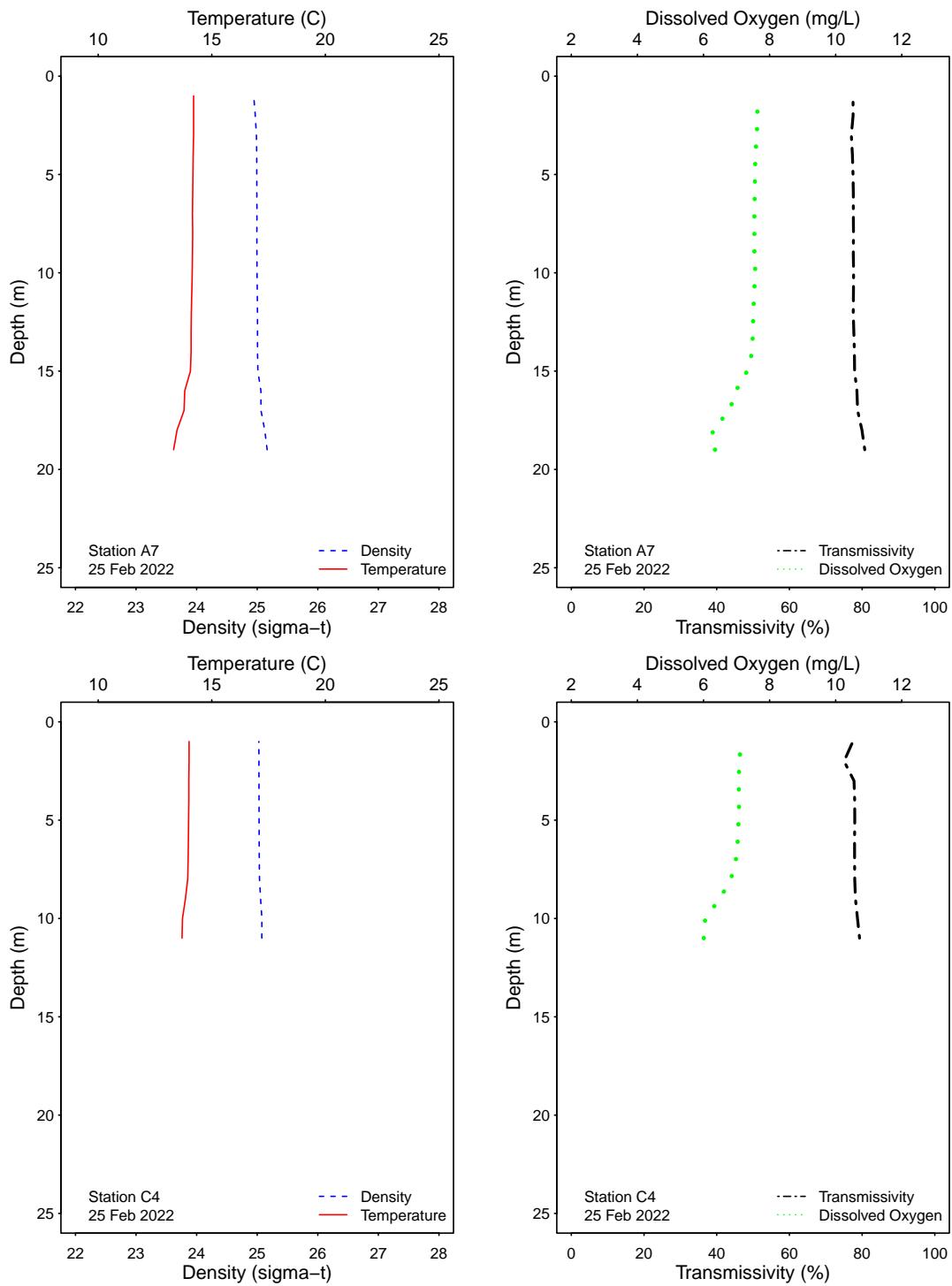


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

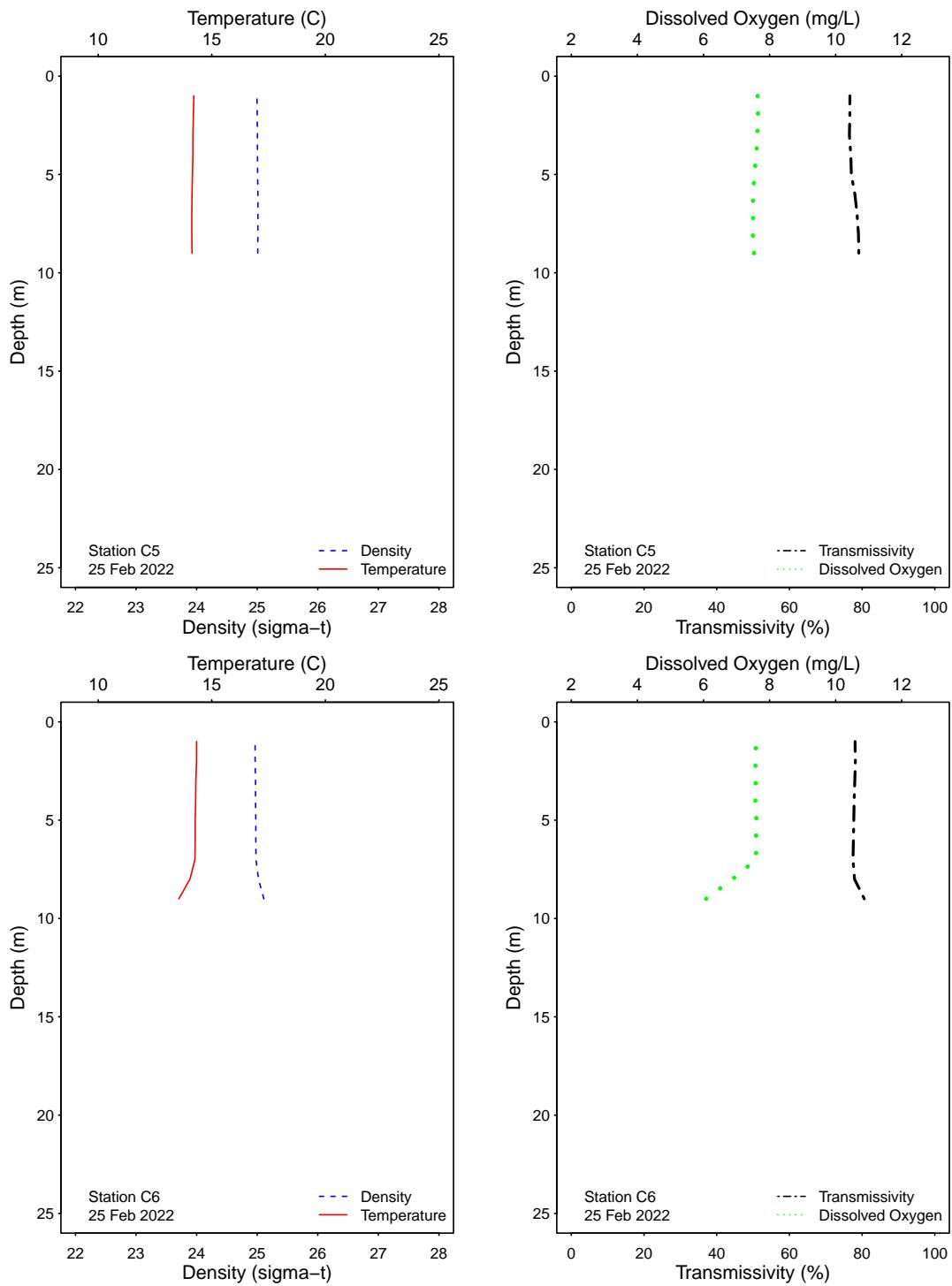


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

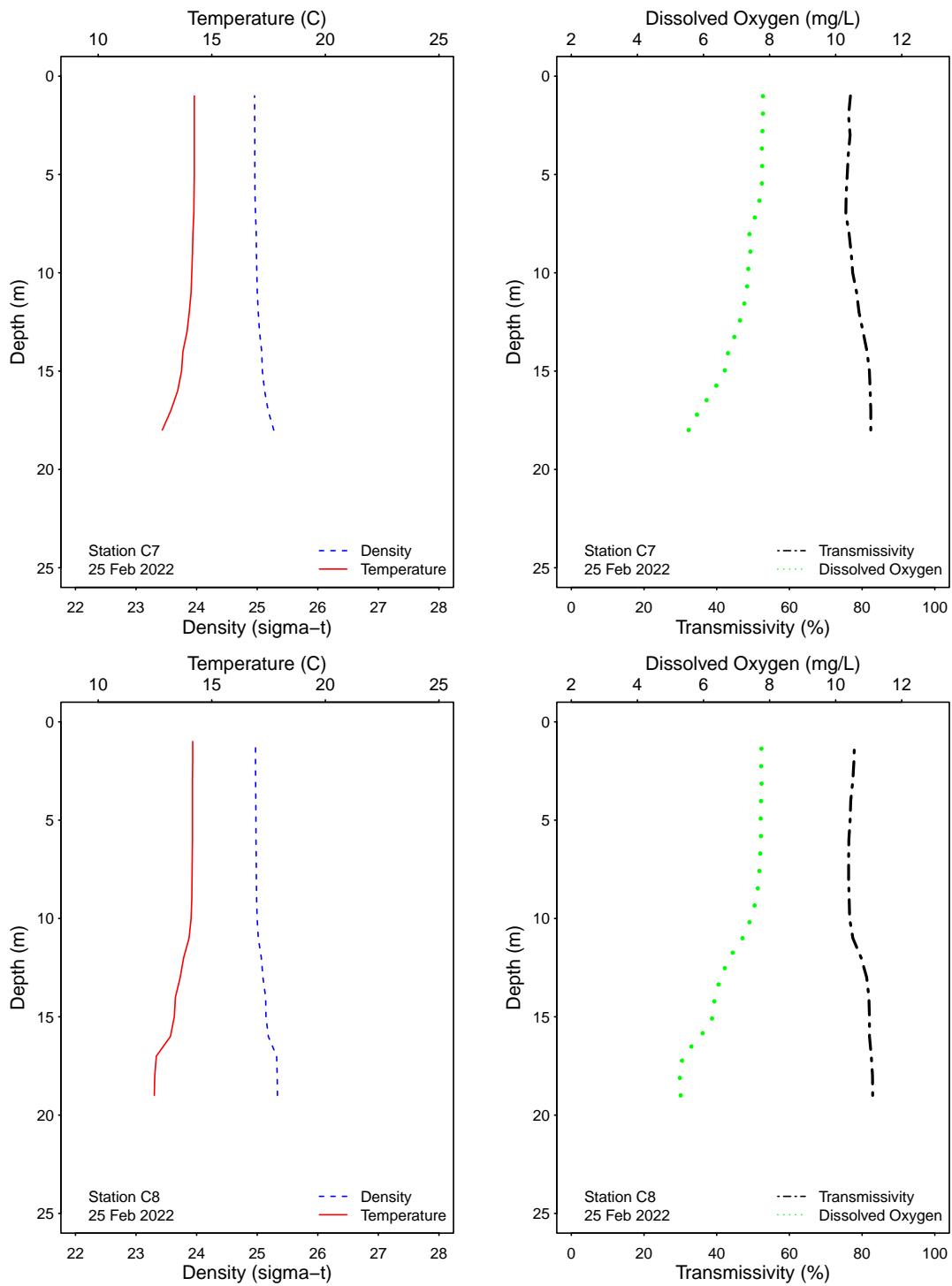


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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
09 Feb 2022	IC	ns	ns	ns											
10 Feb 2022	ns	E	E	E											

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of water quality parameters at the PLOO offshore stations for each sample date. Density of *Enterococcus* (Entero) is reported as CFU/100 mL; values for temperature (Temp, °C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt), and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F01	09 Feb 2022	1150	1	<2	15.1	79.32	7.9	33.45	8.1
F01	09 Feb 2022	1150	12	<2	14.5	78.69	7.8	33.44	8.1
F01	09 Feb 2022	1150	18	<2	13.8	80.05	6.8	33.42	8.0
F02	09 Feb 2022	828	1	<2	14.6	80.19	7.8	33.46	8.0
F02	09 Feb 2022	828	12	<2	14.2	81.99	7.3	33.45	8.0
F02	09 Feb 2022	828	18	<2	13.6	82.06	6.4	33.42	7.9
F03	09 Feb 2022	844	1	2e	14.5	80.90	7.7	33.46	8.0
F03	09 Feb 2022	844	12	4e	13.6	80.84	6.5	33.44	7.9
F03	09 Feb 2022	844	18	<2	13.2	80.92	6.2	33.43	7.9
F04	09 Feb 2022	1125	1	<2	15.4	84.09	7.8	33.48	8.1
F04	09 Feb 2022	1125	25	<2	15.0	83.82	7.8	33.47	8.1
F04	09 Feb 2022	1125	60	14e	11.9	83.82	5.2	33.51	7.8
F05	09 Feb 2022	1112	1	<2	15.3	83.71	7.9	33.48	8.1
F05	09 Feb 2022	1112	25	<2	14.8	82.90	7.6	33.45	8.1
F05	09 Feb 2022	1112	60	2e	12.4	83.61	5.6	33.44	7.8
F06	09 Feb 2022	1059	1	<2	15.7	83.99	7.9	33.48	8.1
F06	09 Feb 2022	1059	25	<2	14.4	82.77	7.3	33.43	8.0
F06	09 Feb 2022	1059	60	6e	12.0	81.03	5.1	33.50	7.8
F07	09 Feb 2022	1044	1	<2	15.2	83.66	6.8	33.49	8.1
F07	09 Feb 2022	1044	25	<2	13.8	82.26	6.8	33.43	8.0
F07	09 Feb 2022	1044	60	4e	11.9	82.98	5.1	33.51	7.8
F08	09 Feb 2022	1027	1	<2	15.3	79.55	7.9	33.48	8.1
F08	09 Feb 2022	1027	25	<2	13.4	82.31	6.4	33.40	7.9
F08	09 Feb 2022	1027	60	16e	11.7	80.98	4.9	33.54	7.8
F09	09 Feb 2022	1014	1	<2	15.3	83.44	7.9	33.48	8.1
F09	09 Feb 2022	1014	25	<2	13.8	82.15	6.7	33.42	8.0
F09	09 Feb 2022	1014	60	18e	11.8	80.95	5.0	33.53	7.8
F10	09 Feb 2022	1000	1	<2	15.2	82.49	7.9	33.48	8.1
F10	09 Feb 2022	1000	25	<2	13.8	82.45	6.8	33.43	8.0
F10	09 Feb 2022	1000	60	10e	12.1	82.22	5.3	33.48	7.8
F11	09 Feb 2022	946	1	<2	15.0	82.40	7.9	33.47	8.0
F11	09 Feb 2022	946	25	<2	13.8	83.07	6.8	33.41	8.0
F11	09 Feb 2022	946	60	14e	12.2	79.43	5.2	33.47	7.8
F12	09 Feb 2022	931	1	<2	15.0	83.04	7.9	33.48	8.0
F12	09 Feb 2022	931	25	<2	14.2	82.91	7.0	33.44	8.0
F12	09 Feb 2022	931	60	6e	12.1	80.97	5.3	33.48	7.8
F13	09 Feb 2022	915	1	<2	15.1	83.01	7.9	33.48	8.0
F13	09 Feb 2022	915	25	<2	15.0	83.03	7.8	33.48	8.0
F13	09 Feb 2022	915	60	<2	12.4	82.37	5.5	33.44	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F14	09 Feb 2022	902	1	<2	15.2	83.22	7.9	33.48	8.1
F14	09 Feb 2022	902	25	<2	14.9	82.62	7.9	33.46	8.0
F14	09 Feb 2022	902	60	<2	12.3	81.20	5.5	33.47	7.8
F15	10 Feb 2022	1129	1	<2	15.6	83.77	7.9	33.48	8.1
F15	10 Feb 2022	1129	25	<2	14.9	82.54	7.9	33.46	8.1
F15	10 Feb 2022	1129	60	6e	11.9	84.72	5.3	33.51	7.8
F15	10 Feb 2022	1129	80	56	11.2	82.55	4.3	33.66	7.7
F16	10 Feb 2022	1117	1	<2	15.6	83.55	7.9	33.48	8.1
F16	10 Feb 2022	1117	25	<2	14.7	82.59	7.5	33.46	8.1
F16	10 Feb 2022	1117	60	<2	12.0	84.76	5.4	33.49	7.8
F16	10 Feb 2022	1117	80	82	11.1	82.27	4.2	33.68	7.7
F17	10 Feb 2022	1103	1	<2	15.6	83.42	7.9	33.48	8.1
F17	10 Feb 2022	1103	25	<2	14.9	82.24	7.9	33.46	8.1
F17	10 Feb 2022	1103	60	2e	11.9	84.49	5.3	33.50	7.8
F17	10 Feb 2022	1103	80	32e	11.1	80.43	4.1	33.68	7.7
F18	10 Feb 2022	1050	1	<2	15.4	83.71	7.9	33.48	8.1
F18	10 Feb 2022	1050	25	<2	14.7	82.63	7.6	33.46	8.1
F18	10 Feb 2022	1050	60	2e	11.9	84.42	5.2	33.50	7.8
F18	10 Feb 2022	1050	80	100	11.1	79.56	3.9	33.69	7.7
F19	10 Feb 2022	1035	1	<2	15.3	83.18	7.9	33.47	8.1
F19	10 Feb 2022	1035	25	<2	14.2	82.75	6.9	33.43	8.0
F19	10 Feb 2022	1035	60	2e	12.1	84.55	5.6	33.47	7.8
F19	10 Feb 2022	1035	80	240e	11.2	81.68	4.1	33.66	7.7
F20	10 Feb 2022	1022	1	<2	15.4	83.44	7.9	33.48	8.1
F20	10 Feb 2022	1022	25	<2	14.6	82.42	7.5	33.46	8.0
F20	10 Feb 2022	1022	60	<2	11.8	84.28	5.1	33.52	7.8
F20	10 Feb 2022	1022	80	400	11.1	81.50	3.9	33.70	7.7
F21	10 Feb 2022	1008	1	<2	15.4	83.36	7.9	33.48	8.1
F21	10 Feb 2022	1008	25	<2	14.6	82.15	7.6	33.45	8.0
F21	10 Feb 2022	1008	60	<2	12.2	84.45	5.6	33.47	7.8
F21	10 Feb 2022	1008	80	400	11.2	82.60	4.0	33.67	7.7
F22	10 Feb 2022	954	1	<2	15.4	83.62	7.9	33.48	8.1
F22	10 Feb 2022	954	25	<2	14.5	82.20	7.4	33.44	8.0
F22	10 Feb 2022	954	60	2e	11.9	84.32	5.2	33.52	7.8
F22	10 Feb 2022	954	80	6e	11.5	80.50	4.6	33.61	7.8
F23	10 Feb 2022	940	1	<2	15.3	83.10	8.0	33.48	8.1
F23	10 Feb 2022	940	25	<2	14.1	82.45	7.1	33.44	8.0
F23	10 Feb 2022	940	60	2e	12.1	83.85	5.4	33.48	7.8
F23	10 Feb 2022	940	80	2e	11.6	81.82	4.8	33.59	7.8
F24	10 Feb 2022	926	1	<2	15.3	82.46	8.0	33.48	8.1
F24	10 Feb 2022	926	25	<2	14.3	82.33	7.2	33.45	8.0
F24	10 Feb 2022	926	60	<2	12.1	83.08	5.3	33.50	7.8
F24	10 Feb 2022	926	80	4e	11.6	81.02	4.7	33.60	7.8
F25	10 Feb 2022	903	1	<2	15.3	83.32	7.9	33.48	8.1
F25	10 Feb 2022	903	25	<2	14.5	82.26	7.5	33.46	8.0
F25	10 Feb 2022	903	60	4e	12.0	82.99	5.2	33.51	7.8
F25	10 Feb 2022	903	80	<2	11.4	81.19	4.3	33.70	7.7
F26	08 Feb 2022	1222	1	<2	15.6	84.45	7.9	33.48	8.1
F26	08 Feb 2022	1222	25	<2	14.5	82.08	7.4	33.45	8.1

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F26	08 Feb 2022	1222	60	2e	12.0	85.00	5.6	33.48	7.9
F26	08 Feb 2022	1222	80	280e	11.2	84.51	4.4	33.65	7.8
F26	08 Feb 2022	1222	98	62	10.6	82.84	3.5	33.90	7.7
F27	08 Feb 2022	1208	1	<2	15.5	84.15	7.9	33.48	8.1
F27	08 Feb 2022	1208	25	<2	14.9	83.71	7.6	33.47	8.1
F27	08 Feb 2022	1208	60	<2	12.0	84.80	5.5	33.48	7.9
F27	08 Feb 2022	1208	80	44	11.4	84.83	4.6	33.66	7.8
F27	08 Feb 2022	1208	98	80	10.9	83.34	3.8	33.82	7.8
F28	08 Feb 2022	1154	1	<2	15.8	80.52	7.8	33.48	8.1
F28	08 Feb 2022	1154	25	<2	15.1	84.03	7.9	33.48	8.1
F28	08 Feb 2022	1154	60	<2	11.9	84.93	5.5	33.50	7.9
F28	08 Feb 2022	1154	80	140e	11.6	84.86	4.9	33.58	7.8
F28	08 Feb 2022	1154	98	32e	10.9	84.27	3.8	33.83	7.8
F29	08 Feb 2022	1140	1	<2	15.6	84.44	7.8	33.48	8.1
F29	08 Feb 2022	1140	25	<2	15.1	84.08	7.8	33.47	8.1
F29	08 Feb 2022	1140	60	<2	12.1	84.91	5.5	33.49	7.9
F29	08 Feb 2022	1140	80	34e	11.5	84.59	4.3	33.66	7.8
F29	08 Feb 2022	1140	98	2e	10.8	84.23	3.8	33.85	7.7
F30	08 Feb 2022	1033	1	<2	15.4	84.66	7.9	33.48	8.1
F30	08 Feb 2022	1033	25	<2	15.1	84.32	7.8	33.48	8.1
F30	08 Feb 2022	1033	60	<2	12.2	85.03	5.5	33.49	7.9
F30	08 Feb 2022	1033	80	240e	11.3	82.49	4.2	33.62	7.8
F30	08 Feb 2022	1033	98	<2	10.7	84.64	3.6	33.90	7.7
F31	08 Feb 2022	1019	1	<2	15.3	84.27	7.9	33.48	8.1
F31	08 Feb 2022	1019	25	<2	15.1	84.20	7.9	33.48	8.1
F31	08 Feb 2022	1019	60	<2	12.2	85.00	5.6	33.47	7.9
F31	08 Feb 2022	1019	80	<2	11.5	85.12	4.4	33.69	7.8
F31	08 Feb 2022	1019	98	<2	10.7	84.54	3.6	33.89	7.7
F32	08 Feb 2022	1003	1	<2	15.4	84.61	7.9	33.48	8.1
F32	08 Feb 2022	1003	25	<2	14.9	84.24	7.9	33.48	8.1
F32	08 Feb 2022	1003	60	<2	11.9	85.12	5.3	33.52	7.8
F32	08 Feb 2022	1003	80	340e	11.1	83.30	4.0	33.65	7.8
F32	08 Feb 2022	1003	98	4e	10.8	84.28	3.8	33.84	7.7
F33	08 Feb 2022	947	1	<2	15.3	84.22	7.8	33.48	8.1
F33	08 Feb 2022	947	25	<2	14.8	83.35	7.7	33.45	8.1
F33	08 Feb 2022	947	60	<2	12.0	84.82	5.5	33.50	7.9
F33	08 Feb 2022	947	80	<2	11.3	84.19	4.6	33.66	7.8
F33	08 Feb 2022	947	98	<2	10.7	84.26	3.6	33.90	7.7
F34	08 Feb 2022	930	1	<2	15.2	83.71	7.9	33.47	8.1
F34	08 Feb 2022	930	25	<2	14.8	83.03	7.9	33.46	8.1
F34	08 Feb 2022	930	60	<2	12.2	84.04	5.5	33.48	7.9
F34	08 Feb 2022	930	80	2e	11.3	83.94	4.6	33.67	7.8
F34	08 Feb 2022	930	98	<2	10.8	83.43	3.7	33.86	7.7
F35	08 Feb 2022	905	1	<2	15.2	83.98	7.9	33.48	8.1
F35	08 Feb 2022	905	25	<2	15.0	84.33	7.9	33.47	8.1
F35	08 Feb 2022	905	60	<2	12.0	84.69	5.4	33.51	7.8
F35	08 Feb 2022	905	80	2e	11.5	82.98	4.6	33.63	7.8
F35	08 Feb 2022	905	98	<2	10.7	83.43	3.6	33.89	7.7
F36	08 Feb 2022	833	1	<2	15.2	84.18	7.9	33.48	8.1
F36	08 Feb 2022	833	25	<2	14.9	83.43	7.9	33.46	8.1
F36	08 Feb 2022	833	60	<2	12.2	84.38	5.2	33.53	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F36	08 Feb 2022	833	80	<2	11.6	84.79	4.6	33.64	7.8
F36	08 Feb 2022	833	98	2e	10.9	84.28	3.8	33.84	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	09 Feb 2022	Depth (m)	19
F01	09 Feb 2022	Arrive Time	1150
F01	09 Feb 2022	Depart Time	1154
F01	09 Feb 2022	Air Temp (C)	16.3
F01	09 Feb 2022	Weather	Clear
F01	09 Feb 2022	Visibility (mi)	11
F01	09 Feb 2022	Wind Speed (kts)	7.6
F01	09 Feb 2022	Wind Dir	W
F01	09 Feb 2022	Water Color	Blue
F01	09 Feb 2022	Wave Ht Low (ft)	4
F01	09 Feb 2022	Wave Period (sec)	14
F01	09 Feb 2022	Sea State	Wind Ripples
F01	09 Feb 2022	High Tide (ft)	4.3
F01	09 Feb 2022	High Tide Time	1124
F01	09 Feb 2022	Low Tide (ft)	0.79
F01	09 Feb 2022	Low Tide Time	1936
F01	09 Feb 2022	Comments	Seagrass; Kelp Debris
F02	09 Feb 2022	Depth (m)	20
F02	09 Feb 2022	Arrive Time	828
F02	09 Feb 2022	Depart Time	835
F02	09 Feb 2022	Air Temp (C)	15
F02	09 Feb 2022	Weather	Clear
F02	09 Feb 2022	Visibility (mi)	11
F02	09 Feb 2022	Wind Speed (kts)	2.4
F02	09 Feb 2022	Wind Dir	NE
F02	09 Feb 2022	Water Color	Blueish-Green
F02	09 Feb 2022	Wave Ht Low (ft)	4
F02	09 Feb 2022	Wave Period (sec)	14
F02	09 Feb 2022	Sea State	Wind Ripples
F02	09 Feb 2022	High Tide (ft)	4.3
F02	09 Feb 2022	High Tide Time	1124
F02	09 Feb 2022	Low Tide (ft)	0.79
F02	09 Feb 2022	Low Tide Time	1936
F02	09 Feb 2022	Comments	Lobster Floats
F03	09 Feb 2022	Depth (m)	19
F03	09 Feb 2022	Arrive Time	844
F03	09 Feb 2022	Depart Time	849
F03	09 Feb 2022	Air Temp (C)	15.2
F03	09 Feb 2022	Weather	Clear
F03	09 Feb 2022	Visibility (mi)	11
F03	09 Feb 2022	Wind Speed (kts)	0
F03	09 Feb 2022	Wind Dir	E
F03	09 Feb 2022	Water Color	Blueish-Green
F03	09 Feb 2022	Wave Ht Low (ft)	4
F03	09 Feb 2022	Wave Period (sec)	14
F03	09 Feb 2022	Sea State	Wind Ripples
F03	09 Feb 2022	High Tide (ft)	4.3
F03	09 Feb 2022	High Tide Time	1124
F03	09 Feb 2022	Low Tide (ft)	0.79
F03	09 Feb 2022	Low Tide Time	1936
F03	09 Feb 2022	Comments	none
F04	09 Feb 2022	Depth (m)	62
F04	09 Feb 2022	Arrive Time	1125

Station	Date	Parameter	Value
F04	09 Feb 2022	Depart Time	1130
F04	09 Feb 2022	Air Temp (C)	18.4
F04	09 Feb 2022	Weather	Clear
F04	09 Feb 2022	Visibility (mi)	11
F04	09 Feb 2022	Wind Speed (kts)	2.9
F04	09 Feb 2022	Wind Dir	SW
F04	09 Feb 2022	Water Color	Blue
F04	09 Feb 2022	Wave Ht Low (ft)	4
F04	09 Feb 2022	Wave Period (sec)	14
F04	09 Feb 2022	Sea State	Wind Ripples
F04	09 Feb 2022	High Tide (ft)	4.3
F04	09 Feb 2022	High Tide Time	1124
F04	09 Feb 2022	Low Tide (ft)	0.79
F04	09 Feb 2022	Low Tide Time	1936
F04	09 Feb 2022	Comments	none
F05	09 Feb 2022	Depth (m)	60
F05	09 Feb 2022	Arrive Time	1112
F05	09 Feb 2022	Depart Time	1118
F05	09 Feb 2022	Air Temp (C)	20.5
F05	09 Feb 2022	Weather	Clear
F05	09 Feb 2022	Visibility (mi)	11
F05	09 Feb 2022	Wind Speed (kts)	3.5
F05	09 Feb 2022	Wind Dir	NW
F05	09 Feb 2022	Water Color	Blue
F05	09 Feb 2022	Wave Ht Low (ft)	4
F05	09 Feb 2022	Wave Period (sec)	14
F05	09 Feb 2022	Sea State	Wind Ripples
F05	09 Feb 2022	High Tide (ft)	4.3
F05	09 Feb 2022	High Tide Time	1124
F05	09 Feb 2022	Low Tide (ft)	0.79
F05	09 Feb 2022	Low Tide Time	1936
F05	09 Feb 2022	Comments	none
F06	09 Feb 2022	Depth (m)	61
F06	09 Feb 2022	Arrive Time	1059
F06	09 Feb 2022	Depart Time	1105
F06	09 Feb 2022	Air Temp (C)	16.3
F06	09 Feb 2022	Weather	Clear
F06	09 Feb 2022	Visibility (mi)	11
F06	09 Feb 2022	Wind Speed (kts)	4.5
F06	09 Feb 2022	Wind Dir	SW
F06	09 Feb 2022	Water Color	Blue
F06	09 Feb 2022	Wave Ht Low (ft)	4
F06	09 Feb 2022	Wave Period (sec)	14
F06	09 Feb 2022	Sea State	Wind Ripples
F06	09 Feb 2022	High Tide (ft)	4.3
F06	09 Feb 2022	High Tide Time	1124
F06	09 Feb 2022	Low Tide (ft)	0.79
F06	09 Feb 2022	Low Tide Time	1936
F06	09 Feb 2022	Comments	none
F07	09 Feb 2022	Depth (m)	64
F07	09 Feb 2022	Arrive Time	1044
F07	09 Feb 2022	Depart Time	1052
F07	09 Feb 2022	Air Temp (C)	16.5
F07	09 Feb 2022	Weather	Clear
F07	09 Feb 2022	Visibility (mi)	11
F07	09 Feb 2022	Wind Speed (kts)	1.3
F07	09 Feb 2022	Wind Dir	N
F07	09 Feb 2022	Water Color	Blue

Station	Date	Parameter	Value
F07	09 Feb 2022	Wave Ht Low (ft)	4
F07	09 Feb 2022	Wave Period (sec)	14
F07	09 Feb 2022	Sea State	Wind Ripples
F07	09 Feb 2022	High Tide (ft)	4.3
F07	09 Feb 2022	High Tide Time	1124
F07	09 Feb 2022	Low Tide (ft)	0.79
F07	09 Feb 2022	Low Tide Time	1936
F07	09 Feb 2022	Comments	none
F08	09 Feb 2022	Depth (m)	61
F08	09 Feb 2022	Arrive Time	1027
F08	09 Feb 2022	Depart Time	1036
F08	09 Feb 2022	Air Temp (C)	16.3
F08	09 Feb 2022	Weather	Clear
F08	09 Feb 2022	Visibility (mi)	11
F08	09 Feb 2022	Wind Speed (kts)	0.8
F08	09 Feb 2022	Wind Dir	SE
F08	09 Feb 2022	Water Color	Blue
F08	09 Feb 2022	Wave Ht Low (ft)	4
F08	09 Feb 2022	Wave Period (sec)	14
F08	09 Feb 2022	Sea State	Wind Ripples
F08	09 Feb 2022	High Tide (ft)	4.3
F08	09 Feb 2022	High Tide Time	1124
F08	09 Feb 2022	Low Tide (ft)	0.79
F08	09 Feb 2022	Low Tide Time	1936
F08	09 Feb 2022	Comments	60m Bottle Misfire on first cast.
F09	09 Feb 2022	Depth (m)	62
F09	09 Feb 2022	Arrive Time	1014
F09	09 Feb 2022	Depart Time	1022
F09	09 Feb 2022	Air Temp (C)	15.9
F09	09 Feb 2022	Weather	Clear
F09	09 Feb 2022	Visibility (mi)	11
F09	09 Feb 2022	Wind Speed (kts)	3.8
F09	09 Feb 2022	Wind Dir	E
F09	09 Feb 2022	Water Color	Blue
F09	09 Feb 2022	Wave Ht Low (ft)	4
F09	09 Feb 2022	Wave Period (sec)	14
F09	09 Feb 2022	Sea State	Wind Ripples
F09	09 Feb 2022	High Tide (ft)	4.3
F09	09 Feb 2022	High Tide Time	1124
F09	09 Feb 2022	Low Tide (ft)	0.79
F09	09 Feb 2022	Low Tide Time	1936
F09	09 Feb 2022	Comments	none
F10	09 Feb 2022	Depth (m)	61
F10	09 Feb 2022	Arrive Time	1000
F10	09 Feb 2022	Depart Time	1008
F10	09 Feb 2022	Air Temp (C)	15.6
F10	09 Feb 2022	Weather	Clear
F10	09 Feb 2022	Visibility (mi)	11
F10	09 Feb 2022	Wind Speed (kts)	2.7
F10	09 Feb 2022	Wind Dir	N
F10	09 Feb 2022	Water Color	Blue
F10	09 Feb 2022	Wave Ht Low (ft)	4
F10	09 Feb 2022	Wave Period (sec)	14
F10	09 Feb 2022	Sea State	Wind Ripples
F10	09 Feb 2022	High Tide (ft)	4.3
F10	09 Feb 2022	High Tide Time	1124
F10	09 Feb 2022	Low Tide (ft)	0.79
F10	09 Feb 2022	Low Tide Time	1936

Station	Date	Parameter	Value
F10	09 Feb 2022	Comments	none
F11	09 Feb 2022	Depth (m)	61
F11	09 Feb 2022	Arrive Time	946
F11	09 Feb 2022	Depart Time	952
F11	09 Feb 2022	Air Temp (C)	15.3
F11	09 Feb 2022	Weather	Clear
F11	09 Feb 2022	Visibility (mi)	11
F11	09 Feb 2022	Wind Speed (kts)	3.9
F11	09 Feb 2022	Wind Dir	N
F11	09 Feb 2022	Water Color	Blue
F11	09 Feb 2022	Wave Ht Low (ft)	4
F11	09 Feb 2022	Wave Period (sec)	14
F11	09 Feb 2022	Sea State	Wind Ripples
F11	09 Feb 2022	High Tide (ft)	4.3
F11	09 Feb 2022	High Tide Time	1124
F11	09 Feb 2022	Low Tide (ft)	0.79
F11	09 Feb 2022	Low Tide Time	1936
F11	09 Feb 2022	Comments	none
F12	09 Feb 2022	Depth (m)	62
F12	09 Feb 2022	Arrive Time	931
F12	09 Feb 2022	Depart Time	938
F12	09 Feb 2022	Air Temp (C)	15.4
F12	09 Feb 2022	Weather	Clear
F12	09 Feb 2022	Visibility (mi)	11
F12	09 Feb 2022	Wind Speed (kts)	2.1
F12	09 Feb 2022	Wind Dir	N
F12	09 Feb 2022	Water Color	Blue
F12	09 Feb 2022	Wave Ht Low (ft)	4
F12	09 Feb 2022	Wave Period (sec)	14
F12	09 Feb 2022	Sea State	Wind Ripples
F12	09 Feb 2022	High Tide (ft)	4.3
F12	09 Feb 2022	High Tide Time	1124
F12	09 Feb 2022	Low Tide (ft)	0.79
F12	09 Feb 2022	Low Tide Time	1936
F12	09 Feb 2022	Comments	none
F13	09 Feb 2022	Depth (m)	60
F13	09 Feb 2022	Arrive Time	915
F13	09 Feb 2022	Depart Time	922
F13	09 Feb 2022	Air Temp (C)	15.2
F13	09 Feb 2022	Weather	Clear
F13	09 Feb 2022	Visibility (mi)	11
F13	09 Feb 2022	Wind Speed (kts)	2.1
F13	09 Feb 2022	Wind Dir	E
F13	09 Feb 2022	Water Color	Blue
F13	09 Feb 2022	Wave Ht Low (ft)	4
F13	09 Feb 2022	Wave Period (sec)	14
F13	09 Feb 2022	Sea State	Wind Ripples
F13	09 Feb 2022	High Tide (ft)	4.3
F13	09 Feb 2022	High Tide Time	1124
F13	09 Feb 2022	Low Tide (ft)	0.79
F13	09 Feb 2022	Low Tide Time	1936
F13	09 Feb 2022	Comments	OA Sample Bottle # 19043 - 1m; OA Sample Bottle # 19044 - 60m;
F14	09 Feb 2022	Depth (m)	60
F14	09 Feb 2022	Arrive Time	902
F14	09 Feb 2022	Depart Time	910
F14	09 Feb 2022	Air Temp (C)	14.9

Station	Date	Parameter	Value
F14	09 Feb 2022	Weather	Clear
F14	09 Feb 2022	Visibility (mi)	11
F14	09 Feb 2022	Wind Speed (kts)	2
F14	09 Feb 2022	Wind Dir	N
F14	09 Feb 2022	Water Color	Blue
F14	09 Feb 2022	Wave Ht Low (ft)	4
F14	09 Feb 2022	Wave Period (sec)	14
F14	09 Feb 2022	Sea State	Wind Ripples
F14	09 Feb 2022	High Tide (ft)	4.3
F14	09 Feb 2022	High Tide Time	1124
F14	09 Feb 2022	Low Tide (ft)	0.79
F14	09 Feb 2022	Low Tide Time	1936
F14	09 Feb 2022	Comments	none
F15	10 Feb 2022	Depth (m)	81
F15	10 Feb 2022	Arrive Time	1129
F15	10 Feb 2022	Depart Time	1142
F15	10 Feb 2022	Air Temp (C)	19
F15	10 Feb 2022	Weather	Clear
F15	10 Feb 2022	Visibility (mi)	14
F15	10 Feb 2022	Wind Speed (kts)	4
F15	10 Feb 2022	Wind Dir	SW
F15	10 Feb 2022	Water Color	Blue
F15	10 Feb 2022	Wave Ht Low (ft)	3
F15	10 Feb 2022	Wave Period (sec)	13
F15	10 Feb 2022	Sea State	Calm
F15	10 Feb 2022	High Tide (ft)	4.44
F15	10 Feb 2022	High Tide Time	1224
F15	10 Feb 2022	Low Tide (ft)	0.31
F15	10 Feb 2022	Low Tide Time	2030
F15	10 Feb 2022	Comments	OA Sample Bottle # 19372 - 1m; OA Sample Bottle # 19373 - 80m
F16	10 Feb 2022	Depth (m)	81
F16	10 Feb 2022	Arrive Time	1117
F16	10 Feb 2022	Depart Time	1125
F16	10 Feb 2022	Air Temp (C)	17.6
F16	10 Feb 2022	Weather	Clear
F16	10 Feb 2022	Visibility (mi)	14
F16	10 Feb 2022	Wind Speed (kts)	7.2
F16	10 Feb 2022	Wind Dir	NW
F16	10 Feb 2022	Water Color	Blue
F16	10 Feb 2022	Wave Ht Low (ft)	3
F16	10 Feb 2022	Wave Period (sec)	13
F16	10 Feb 2022	Sea State	Calm
F16	10 Feb 2022	High Tide (ft)	4.44
F16	10 Feb 2022	High Tide Time	1224
F16	10 Feb 2022	Low Tide (ft)	0.31
F16	10 Feb 2022	Low Tide Time	2030
F16	10 Feb 2022	Comments	none
F17	10 Feb 2022	Depth (m)	81
F17	10 Feb 2022	Arrive Time	1103
F17	10 Feb 2022	Depart Time	1109
F17	10 Feb 2022	Air Temp (C)	18
F17	10 Feb 2022	Weather	Clear
F17	10 Feb 2022	Visibility (mi)	14
F17	10 Feb 2022	Wind Speed (kts)	7.5
F17	10 Feb 2022	Wind Dir	N
F17	10 Feb 2022	Water Color	Blue
F17	10 Feb 2022	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
F17	10 Feb 2022	Wave Period (sec)	13
F17	10 Feb 2022	Sea State	Calm
F17	10 Feb 2022	High Tide (ft)	4.44
F17	10 Feb 2022	High Tide Time	1224
F17	10 Feb 2022	Low Tide (ft)	0.31
F17	10 Feb 2022	Low Tide Time	2030
F17	10 Feb 2022	Comments	none
F18	10 Feb 2022	Depth (m)	82
F18	10 Feb 2022	Arrive Time	1050
F18	10 Feb 2022	Depart Time	1055
F18	10 Feb 2022	Air Temp (C)	18.3
F18	10 Feb 2022	Weather	Clear
F18	10 Feb 2022	Visibility (mi)	14
F18	10 Feb 2022	Wind Speed (kts)	7.1
F18	10 Feb 2022	Wind Dir	N
F18	10 Feb 2022	Water Color	Blue
F18	10 Feb 2022	Wave Ht Low (ft)	3
F18	10 Feb 2022	Wave Period (sec)	13
F18	10 Feb 2022	Sea State	Calm
F18	10 Feb 2022	High Tide (ft)	4.44
F18	10 Feb 2022	High Tide Time	1224
F18	10 Feb 2022	Low Tide (ft)	0.31
F18	10 Feb 2022	Low Tide Time	2030
F18	10 Feb 2022	Comments	none
F19	10 Feb 2022	Depth (m)	82
F19	10 Feb 2022	Arrive Time	1035
F19	10 Feb 2022	Depart Time	1041
F19	10 Feb 2022	Air Temp (C)	18.4
F19	10 Feb 2022	Weather	Clear
F19	10 Feb 2022	Visibility (mi)	14
F19	10 Feb 2022	Wind Speed (kts)	5.3
F19	10 Feb 2022	Wind Dir	NW
F19	10 Feb 2022	Water Color	Blue
F19	10 Feb 2022	Wave Ht Low (ft)	3
F19	10 Feb 2022	Wave Period (sec)	13
F19	10 Feb 2022	Sea State	Calm
F19	10 Feb 2022	High Tide (ft)	4.44
F19	10 Feb 2022	High Tide Time	1224
F19	10 Feb 2022	Low Tide (ft)	0.31
F19	10 Feb 2022	Low Tide Time	2030
F19	10 Feb 2022	Comments	none
F20	10 Feb 2022	Depth (m)	82
F20	10 Feb 2022	Arrive Time	1022
F20	10 Feb 2022	Depart Time	1028
F20	10 Feb 2022	Air Temp (C)	19.1
F20	10 Feb 2022	Weather	Clear
F20	10 Feb 2022	Visibility (mi)	14
F20	10 Feb 2022	Wind Speed (kts)	5.6
F20	10 Feb 2022	Wind Dir	NW
F20	10 Feb 2022	Water Color	Blue
F20	10 Feb 2022	Wave Ht Low (ft)	3
F20	10 Feb 2022	Wave Period (sec)	13
F20	10 Feb 2022	Sea State	Calm
F20	10 Feb 2022	High Tide (ft)	4.44
F20	10 Feb 2022	High Tide Time	1224
F20	10 Feb 2022	Low Tide (ft)	0.31
F20	10 Feb 2022	Low Tide Time	2030
F20	10 Feb 2022	Comments	none

Station	Date	Parameter	Value
F21	10 Feb 2022	Depth (m)	83
F21	10 Feb 2022	Arrive Time	1008
F21	10 Feb 2022	Depart Time	1015
F21	10 Feb 2022	Air Temp (C)	19.6
F21	10 Feb 2022	Weather	Clear
F21	10 Feb 2022	Visibility (mi)	14
F21	10 Feb 2022	Wind Speed (kts)	6.3
F21	10 Feb 2022	Wind Dir	NW
F21	10 Feb 2022	Water Color	Blue
F21	10 Feb 2022	Wave Ht Low (ft)	3
F21	10 Feb 2022	Wave Period (sec)	13
F21	10 Feb 2022	Sea State	Calm
F21	10 Feb 2022	High Tide (ft)	4.44
F21	10 Feb 2022	High Tide Time	1224
F21	10 Feb 2022	Low Tide (ft)	0.31
F21	10 Feb 2022	Low Tide Time	2030
F21	10 Feb 2022	Comments	none
F22	10 Feb 2022	Depth (m)	81
F22	10 Feb 2022	Arrive Time	954
F22	10 Feb 2022	Depart Time	1000
F22	10 Feb 2022	Air Temp (C)	19.2
F22	10 Feb 2022	Weather	Clear
F22	10 Feb 2022	Visibility (mi)	14
F22	10 Feb 2022	Wind Speed (kts)	8.7
F22	10 Feb 2022	Wind Dir	N
F22	10 Feb 2022	Water Color	Blue
F22	10 Feb 2022	Wave Ht Low (ft)	3
F22	10 Feb 2022	Wave Period (sec)	13
F22	10 Feb 2022	Sea State	Calm
F22	10 Feb 2022	High Tide (ft)	4.44
F22	10 Feb 2022	High Tide Time	1224
F22	10 Feb 2022	Low Tide (ft)	0.31
F22	10 Feb 2022	Low Tide Time	2030
F22	10 Feb 2022	Comments	none
F24	10 Feb 2022	Depth (m)	84
F24	10 Feb 2022	Arrive Time	926
F24	10 Feb 2022	Depart Time	932
F24	10 Feb 2022	Air Temp (C)	19.6
F24	10 Feb 2022	Weather	Clear
F24	10 Feb 2022	Visibility (mi)	14
F24	10 Feb 2022	Wind Speed (kts)	7.9
F24	10 Feb 2022	Wind Dir	N
F24	10 Feb 2022	Water Color	Blue
F24	10 Feb 2022	Wave Ht Low (ft)	3
F24	10 Feb 2022	Wave Period (sec)	13
F24	10 Feb 2022	Sea State	Calm
F24	10 Feb 2022	High Tide (ft)	4.44
F24	10 Feb 2022	High Tide Time	1224
F24	10 Feb 2022	Low Tide (ft)	0.31
F24	10 Feb 2022	Low Tide Time	2030
F24	10 Feb 2022	Comments	none
F25	10 Feb 2022	Depth (m)	81
F25	10 Feb 2022	Arrive Time	903
F25	10 Feb 2022	Depart Time	918
F25	10 Feb 2022	Air Temp (C)	19.6
F25	10 Feb 2022	Weather	Clear
F25	10 Feb 2022	Visibility (mi)	14

Station	Date	Parameter	Value
F25	10 Feb 2022	Wind Speed (kts)	4.3
F25	10 Feb 2022	Wind Dir	NW
F25	10 Feb 2022	Water Color	Blue
F25	10 Feb 2022	Wave Ht Low (ft)	3
F25	10 Feb 2022	Wave Period (sec)	13
F25	10 Feb 2022	Sea State	Calm
F25	10 Feb 2022	High Tide (ft)	4.44
F25	10 Feb 2022	High Tide Time	1224
F25	10 Feb 2022	Low Tide (ft)	0.31
F25	10 Feb 2022	Low Tide Time	2030
F25	10 Feb 2022	Comments	Errors in first cast - Use 2nd Cast
F26	08 Feb 2022	Depth (m)	99
F26	08 Feb 2022	Arrive Time	1222
F26	08 Feb 2022	Depart Time	1228
F26	08 Feb 2022	Air Temp (C)	16.7
F26	08 Feb 2022	Weather	Clear
F26	08 Feb 2022	Visibility (mi)	10
F26	08 Feb 2022	Wind Speed (kts)	3.5
F26	08 Feb 2022	Wind Dir	W
F26	08 Feb 2022	Water Color	Blue
F26	08 Feb 2022	Wave Ht Low (ft)	3
F26	08 Feb 2022	Wave Period (sec)	15
F26	08 Feb 2022	Sea State	Calm
F26	08 Feb 2022	High Tide (ft)	4.28
F26	08 Feb 2022	High Tide Time	1018
F26	08 Feb 2022	Low Tide (ft)	1.27
F26	08 Feb 2022	Low Tide Time	1812
F26	08 Feb 2022	Comments	none
F27	08 Feb 2022	Depth (m)	99
F27	08 Feb 2022	Arrive Time	1208
F27	08 Feb 2022	Depart Time	1214
F27	08 Feb 2022	Air Temp (C)	16.4
F27	08 Feb 2022	Weather	Clear
F27	08 Feb 2022	Visibility (mi)	10
F27	08 Feb 2022	Wind Speed (kts)	4
F27	08 Feb 2022	Wind Dir	W
F27	08 Feb 2022	Water Color	Blue
F27	08 Feb 2022	Wave Ht Low (ft)	3
F27	08 Feb 2022	Wave Period (sec)	15
F27	08 Feb 2022	Sea State	Calm
F27	08 Feb 2022	High Tide (ft)	4.28
F27	08 Feb 2022	High Tide Time	1018
F27	08 Feb 2022	Low Tide (ft)	1.27
F27	08 Feb 2022	Low Tide Time	1812
F27	08 Feb 2022	Comments	none
F28	08 Feb 2022	Depth (m)	100
F28	08 Feb 2022	Arrive Time	1154
F28	08 Feb 2022	Depart Time	1201
F28	08 Feb 2022	Air Temp (C)	16.4
F28	08 Feb 2022	Weather	Clear
F28	08 Feb 2022	Visibility (mi)	10
F28	08 Feb 2022	Wind Speed (kts)	3
F28	08 Feb 2022	Wind Dir	NW
F28	08 Feb 2022	Water Color	Blue
F28	08 Feb 2022	Wave Ht Low (ft)	3
F28	08 Feb 2022	Wave Period (sec)	15
F28	08 Feb 2022	Sea State	Calm
F28	08 Feb 2022	High Tide (ft)	4.28

Station	Date	Parameter	Value
F28	08 Feb 2022	High Tide Time	1018
F28	08 Feb 2022	Low Tide (ft)	1.27
F28	08 Feb 2022	Low Tide Time	1812
F28	08 Feb 2022	Comments	none
F29	08 Feb 2022	Depth (m)	99
F29	08 Feb 2022	Arrive Time	1140
F29	08 Feb 2022	Depart Time	1148
F29	08 Feb 2022	Air Temp (C)	16.2
F29	08 Feb 2022	Weather	Clear
F29	08 Feb 2022	Visibility (mi)	10
F29	08 Feb 2022	Wind Speed (kts)	9.4
F29	08 Feb 2022	Wind Dir	NW
F29	08 Feb 2022	Water Color	Blue
F29	08 Feb 2022	Wave Ht Low (ft)	3
F29	08 Feb 2022	Wave Period (sec)	15
F29	08 Feb 2022	Sea State	Calm
F29	08 Feb 2022	High Tide (ft)	4.28
F29	08 Feb 2022	High Tide Time	1018
F29	08 Feb 2022	Low Tide (ft)	1.27
F29	08 Feb 2022	Low Tide Time	1812
F29	08 Feb 2022	Comments	none
F30	08 Feb 2022	Depth (m)	98
F30	08 Feb 2022	Arrive Time	1033
F30	08 Feb 2022	Depart Time	1040
F30	08 Feb 2022	Air Temp (C)	15.9
F30	08 Feb 2022	Weather	Clear
F30	08 Feb 2022	Visibility (mi)	10
F30	08 Feb 2022	Wind Speed (kts)	3.2
F30	08 Feb 2022	Wind Dir	N
F30	08 Feb 2022	Water Color	Blue
F30	08 Feb 2022	Wave Ht Low (ft)	3
F30	08 Feb 2022	Wave Period (sec)	15
F30	08 Feb 2022	Sea State	Calm
F30	08 Feb 2022	High Tide (ft)	4.28
F30	08 Feb 2022	High Tide Time	1018
F30	08 Feb 2022	Low Tide (ft)	1.27
F30	08 Feb 2022	Low Tide Time	1812
F30	08 Feb 2022	Comments	none
F31	08 Feb 2022	Depth (m)	99
F31	08 Feb 2022	Arrive Time	1019
F31	08 Feb 2022	Depart Time	1025
F31	08 Feb 2022	Air Temp (C)	15.7
F31	08 Feb 2022	Weather	Clear
F31	08 Feb 2022	Visibility (mi)	10
F31	08 Feb 2022	Wind Speed (kts)	3.1
F31	08 Feb 2022	Wind Dir	N
F31	08 Feb 2022	Water Color	Blue
F31	08 Feb 2022	Wave Ht Low (ft)	3
F31	08 Feb 2022	Wave Period (sec)	15
F31	08 Feb 2022	Sea State	Calm
F31	08 Feb 2022	High Tide (ft)	4.28
F31	08 Feb 2022	High Tide Time	1018
F31	08 Feb 2022	Low Tide (ft)	1.27
F31	08 Feb 2022	Low Tide Time	1812
F31	08 Feb 2022	Comments	none
F32	08 Feb 2022	Depth (m)	99
F32	08 Feb 2022	Arrive Time	1003

Station	Date	Parameter	Value
F32	08 Feb 2022	Depart Time	1012
F32	08 Feb 2022	Air Temp (C)	15.7
F32	08 Feb 2022	Weather	Clear
F32	08 Feb 2022	Visibility (mi)	10
F32	08 Feb 2022	Wind Speed (kts)	4.8
F32	08 Feb 2022	Wind Dir	NW
F32	08 Feb 2022	Water Color	Blue
F32	08 Feb 2022	Wave Ht Low (ft)	3
F32	08 Feb 2022	Wave Period (sec)	15
F32	08 Feb 2022	Sea State	Calm
F32	08 Feb 2022	High Tide (ft)	4.28
F32	08 Feb 2022	High Tide Time	1018
F32	08 Feb 2022	Low Tide (ft)	1.27
F32	08 Feb 2022	Low Tide Time	1812
F32	08 Feb 2022	Comments	none
F33	08 Feb 2022	Depth (m)	101
F33	08 Feb 2022	Arrive Time	947
F33	08 Feb 2022	Depart Time	955
F33	08 Feb 2022	Air Temp (C)	15.4
F33	08 Feb 2022	Weather	Clear
F33	08 Feb 2022	Visibility (mi)	10
F33	08 Feb 2022	Wind Speed (kts)	4
F33	08 Feb 2022	Wind Dir	E
F33	08 Feb 2022	Water Color	Blue
F33	08 Feb 2022	Wave Ht Low (ft)	3
F33	08 Feb 2022	Wave Period (sec)	15
F33	08 Feb 2022	Sea State	Calm
F33	08 Feb 2022	High Tide (ft)	4.28
F33	08 Feb 2022	High Tide Time	1018
F33	08 Feb 2022	Low Tide (ft)	1.27
F33	08 Feb 2022	Low Tide Time	1812
F33	08 Feb 2022	Comments	none
F34	08 Feb 2022	Depth (m)	99
F34	08 Feb 2022	Arrive Time	930
F34	08 Feb 2022	Depart Time	940
F34	08 Feb 2022	Air Temp (C)	15.5
F34	08 Feb 2022	Weather	Clear
F34	08 Feb 2022	Visibility (mi)	10
F34	08 Feb 2022	Wind Speed (kts)	1.7
F34	08 Feb 2022	Wind Dir	NE
F34	08 Feb 2022	Water Color	Blue
F34	08 Feb 2022	Wave Ht Low (ft)	3
F34	08 Feb 2022	Wave Period (sec)	15
F34	08 Feb 2022	Sea State	Calm
F34	08 Feb 2022	High Tide (ft)	4.28
F34	08 Feb 2022	High Tide Time	1018
F34	08 Feb 2022	Low Tide (ft)	1.27
F34	08 Feb 2022	Low Tide Time	1812
F34	08 Feb 2022	Comments	none
F35	08 Feb 2022	Depth (m)	100
F35	08 Feb 2022	Arrive Time	905
F35	08 Feb 2022	Depart Time	922
F35	08 Feb 2022	Air Temp (C)	15.2
F35	08 Feb 2022	Weather	Clear
F35	08 Feb 2022	Visibility (mi)	10
F35	08 Feb 2022	Wind Speed (kts)	9.5
F35	08 Feb 2022	Wind Dir	SE
F35	08 Feb 2022	Water Color	Blue

Station	Date	Parameter	Value
F35	08 Feb 2022	Wave Ht Low (ft)	3
F35	08 Feb 2022	Wave Period (sec)	15
F35	08 Feb 2022	Sea State	Calm
F35	08 Feb 2022	High Tide (ft)	4.28
F35	08 Feb 2022	High Tide Time	1018
F35	08 Feb 2022	Low Tide (ft)	1.27
F35	08 Feb 2022	Low Tide Time	1812
F35	08 Feb 2022	Comments	OA samples 19036 1m 19037 50mTherm 19038 100 19039 100dup
F36	08 Feb 2022	Depth (m)	99
F36	08 Feb 2022	Arrive Time	833
F36	08 Feb 2022	Depart Time	853
F36	08 Feb 2022	Air Temp (C)	14.7
F36	08 Feb 2022	Weather	Clear
F36	08 Feb 2022	Visibility (mi)	10
F36	08 Feb 2022	Wind Speed (kts)	4.9
F36	08 Feb 2022	Wind Dir	NE
F36	08 Feb 2022	Water Color	Blue
F36	08 Feb 2022	Wave Ht Low (ft)	3
F36	08 Feb 2022	Wave Period (sec)	15
F36	08 Feb 2022	Sea State	Calm
F36	08 Feb 2022	High Tide (ft)	4.28
F36	08 Feb 2022	High Tide Time	1018
F36	08 Feb 2022	Low Tide (ft)	1.27
F36	08 Feb 2022	Low Tide Time	1812
F36	08 Feb 2022	Comments	none

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F01	09 Feb 2022	1	15.08	79.32	7.9	33.45	8.1	24.8	1.22
F01	09 Feb 2022	2	14.89	79.06	7.8	33.45	8.1	24.8	1.23
F01	09 Feb 2022	3	14.74	78.80	7.9	33.45	8.1	24.8	1.36
F01	09 Feb 2022	4	14.72	78.87	7.9	33.45	8.1	24.8	1.56
F01	09 Feb 2022	5	14.63	78.80	8.0	33.45	8.1	24.9	1.73
F01	09 Feb 2022	6	14.59	78.61	8.0	33.44	8.1	24.9	2.04
F01	09 Feb 2022	7	14.57	78.46	8.0	33.44	8.1	24.9	2.47
F01	09 Feb 2022	8	14.57	78.57	8.0	33.44	8.1	24.9	2.51
F01	09 Feb 2022	9	14.54	78.55	8.0	33.44	8.1	24.9	2.81
F01	09 Feb 2022	10	14.53	78.60	8.0	33.44	8.1	24.9	3.02
F01	09 Feb 2022	11	14.52	78.60	7.9	33.44	8.1	24.9	3.29
F01	09 Feb 2022	12	14.51	78.69	7.8	33.44	8.1	24.9	3.52
F01	09 Feb 2022	13	14.46	79.17	7.7	33.44	8.1	24.9	3.51
F01	09 Feb 2022	14	14.31	79.68	7.4	33.44	8.0	24.9	3.54
F01	09 Feb 2022	15	14.01	79.70	7.0	33.43	8.0	25.0	3.13
F01	09 Feb 2022	16	13.86	79.53	6.8	33.42	8.0	25.0	2.71
F01	09 Feb 2022	17	13.83	79.66	6.8	33.42	8.0	25.0	2.32
F01	09 Feb 2022	18	13.77	80.05	6.8	33.42	8.0	25.0	1.99
F01	09 Feb 2022	19	13.78	80.28	6.8	33.42	8.0	25.0	1.67
F02	09 Feb 2022	1	14.63	80.19	7.8	33.46	8.0	24.9	1.67
F02	09 Feb 2022	2	14.62	80.73	7.8	33.47	8.0	24.9	1.73
F02	09 Feb 2022	3	14.62	80.76	7.8	33.47	8.0	24.9	1.79
F02	09 Feb 2022	4	14.60	80.91	7.8	33.47	8.0	24.9	1.88
F02	09 Feb 2022	5	14.56	80.89	7.7	33.46	8.0	24.9	2.00
F02	09 Feb 2022	6	14.52	80.93	7.6	33.46	8.0	24.9	2.17
F02	09 Feb 2022	7	14.46	81.19	7.5	33.46	8.0	24.9	2.06
F02	09 Feb 2022	8	14.35	81.52	7.3	33.45	8.0	24.9	2.13
F02	09 Feb 2022	9	14.30	81.88	7.3	33.45	8.0	24.9	2.05
F02	09 Feb 2022	10	14.28	81.94	7.3	33.45	8.0	24.9	2.08
F02	09 Feb 2022	11	14.27	82.00	7.3	33.45	8.0	24.9	2.18
F02	09 Feb 2022	12	14.23	81.99	7.3	33.45	8.0	24.9	2.31
F02	09 Feb 2022	13	14.14	81.80	7.1	33.44	8.0	25.0	2.42
F02	09 Feb 2022	14	14.07	81.54	7.1	33.44	8.0	25.0	2.34
F02	09 Feb 2022	15	14.02	81.52	7.0	33.44	8.0	25.0	2.14
F02	09 Feb 2022	16	13.97	81.83	6.9	33.44	8.0	25.0	2.10
F02	09 Feb 2022	17	13.87	82.03	6.8	33.43	7.9	25.0	2.02
F02	09 Feb 2022	18	13.57	82.06	6.4	33.42	7.9	25.1	1.82
F02	09 Feb 2022	19	13.17	82.00	6.2	33.41	7.9	25.1	1.51
F02	09 Feb 2022	20	13.26	82.41	6.3	33.41	7.9	25.1	1.50
F03	09 Feb 2022	1	14.46	80.90	7.7	33.46	8.0	24.9	1.54
F03	09 Feb 2022	2	14.46	81.01	7.7	33.46	8.0	24.9	1.56
F03	09 Feb 2022	3	14.34	81.00	7.4	33.46	8.0	24.9	1.62
F03	09 Feb 2022	4	14.18	80.75	7.2	33.45	8.0	25.0	1.76
F03	09 Feb 2022	5	14.07	80.55	7.1	33.45	8.0	25.0	2.05
F03	09 Feb 2022	6	14.05	80.10	7.0	33.45	8.0	25.0	2.18
F03	09 Feb 2022	7	13.96	79.99	6.9	33.45	8.0	25.0	2.20
F03	09 Feb 2022	8	13.91	80.12	6.8	33.45	8.0	25.0	1.98
F03	09 Feb 2022	9	13.79	80.47	6.7	33.44	7.9	25.0	1.85
F03	09 Feb 2022	10	13.74	80.82	6.6	33.44	7.9	25.0	1.85
F03	09 Feb 2022	11	13.67	80.88	6.6	33.44	7.9	25.0	1.78
F03	09 Feb 2022	12	13.62	80.84	6.5	33.44	7.9	25.1	1.75
F03	09 Feb 2022	13	13.57	80.63	6.5	33.44	7.9	25.1	1.84
F03	09 Feb 2022	14	13.53	80.49	6.4	33.44	7.9	25.1	1.83
F03	09 Feb 2022	15	13.30	80.68	6.3	33.44	7.9	25.1	1.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F03	09 Feb 2022	16	13.23	80.88	6.2	33.44	7.9	25.1	1.62
F03	09 Feb 2022	17	13.22	80.91	6.2	33.43	7.9	25.1	1.59
F03	09 Feb 2022	18	13.23	80.92	6.2	33.43	7.9	25.1	1.62
F03	09 Feb 2022	19	13.24	80.88	6.2	33.44	7.9	25.1	1.59
F04	09 Feb 2022	1	15.43	84.09	7.8	33.48	8.1	24.7	0.52
F04	09 Feb 2022	2	15.30	84.15	7.8	33.48	8.1	24.7	0.52
F04	09 Feb 2022	3	15.22	84.05	7.8	33.48	8.1	24.8	0.51
F04	09 Feb 2022	4	15.21	84.03	7.8	33.48	8.1	24.8	0.52
F04	09 Feb 2022	5	15.20	83.95	7.8	33.48	8.1	24.8	0.51
F04	09 Feb 2022	6	15.20	83.91	7.8	33.48	8.1	24.8	0.53
F04	09 Feb 2022	7	15.19	83.96	7.9	33.48	8.1	24.8	0.54
F04	09 Feb 2022	8	15.18	84.06	7.8	33.48	8.1	24.8	0.53
F04	09 Feb 2022	9	15.18	84.03	7.8	33.48	8.1	24.8	0.55
F04	09 Feb 2022	10	15.17	84.03	7.8	33.48	8.1	24.8	0.56
F04	09 Feb 2022	11	15.17	84.04	7.8	33.48	8.1	24.8	0.56
F04	09 Feb 2022	12	15.16	84.07	7.8	33.48	8.1	24.8	0.57
F04	09 Feb 2022	13	15.15	84.04	7.8	33.48	8.1	24.8	0.57
F04	09 Feb 2022	14	15.15	84.06	7.9	33.48	8.1	24.8	0.59
F04	09 Feb 2022	15	15.15	84.04	7.9	33.48	8.1	24.8	0.60
F04	09 Feb 2022	16	15.15	84.10	7.8	33.48	8.1	24.8	0.59
F04	09 Feb 2022	17	15.15	84.03	7.8	33.48	8.1	24.8	0.62
F04	09 Feb 2022	18	15.14	83.97	7.8	33.48	8.1	24.8	0.64
F04	09 Feb 2022	19	15.13	83.82	7.8	33.48	8.1	24.8	0.67
F04	09 Feb 2022	20	15.11	83.94	7.8	33.47	8.1	24.8	0.70
F04	09 Feb 2022	21	15.09	83.97	7.8	33.47	8.1	24.8	0.72
F04	09 Feb 2022	22	15.08	83.87	7.9	33.47	8.1	24.8	0.72
F04	09 Feb 2022	23	15.06	83.83	7.9	33.47	8.1	24.8	0.73
F04	09 Feb 2022	24	15.05	83.86	7.8	33.47	8.1	24.8	0.78
F04	09 Feb 2022	25	15.02	83.82	7.8	33.47	8.1	24.8	0.84
F04	09 Feb 2022	26	14.96	83.65	7.8	33.47	8.1	24.8	0.95
F04	09 Feb 2022	27	14.87	83.35	7.8	33.46	8.1	24.8	1.07
F04	09 Feb 2022	28	14.79	83.25	7.6	33.45	8.1	24.8	1.22
F04	09 Feb 2022	29	14.61	83.20	7.4	33.44	8.1	24.9	1.32
F04	09 Feb 2022	30	14.37	83.06	7.3	33.42	8.0	24.9	1.40
F04	09 Feb 2022	31	14.25	83.33	7.1	33.41	8.0	24.9	1.43
F04	09 Feb 2022	32	14.09	83.44	7.1	33.40	8.0	24.9	1.40
F04	09 Feb 2022	33	14.01	83.40	7.0	33.41	8.0	25.0	1.39
F04	09 Feb 2022	34	13.99	83.72	6.9	33.41	8.0	25.0	1.39
F04	09 Feb 2022	35	13.91	83.79	6.7	33.41	8.0	25.0	1.35
F04	09 Feb 2022	36	13.67	83.93	6.5	33.41	8.0	25.0	1.32
F04	09 Feb 2022	37	13.38	84.04	6.4	33.41	8.0	25.1	1.21
F04	09 Feb 2022	38	13.27	84.14	6.3	33.40	7.9	25.1	1.20
F04	09 Feb 2022	39	13.17	84.16	6.2	33.40	7.9	25.1	1.21
F04	09 Feb 2022	40	12.95	84.14	6.1	33.41	7.9	25.2	1.16
F04	09 Feb 2022	41	12.81	84.28	6.0	33.40	7.9	25.2	1.14
F04	09 Feb 2022	42	12.71	84.28	6.0	33.40	7.9	25.2	1.13
F04	09 Feb 2022	43	12.65	84.23	6.0	33.40	7.9	25.2	1.16
F04	09 Feb 2022	44	12.59	84.21	6.0	33.41	7.9	25.2	1.16
F04	09 Feb 2022	45	12.55	84.24	5.9	33.41	7.9	25.3	1.14
F04	09 Feb 2022	46	12.52	84.28	5.9	33.42	7.9	25.3	1.12
F04	09 Feb 2022	47	12.48	84.28	5.8	33.43	7.9	25.3	1.13
F04	09 Feb 2022	48	12.42	84.31	5.8	33.43	7.9	25.3	1.11
F04	09 Feb 2022	49	12.35	84.26	5.7	33.44	7.9	25.3	1.09
F04	09 Feb 2022	50	12.31	84.30	5.6	33.45	7.8	25.3	1.05
F04	09 Feb 2022	51	12.30	84.13	5.6	33.45	7.8	25.3	1.05
F04	09 Feb 2022	52	12.25	84.09	5.5	33.46	7.8	25.3	1.02
F04	09 Feb 2022	53	12.19	84.04	5.4	33.47	7.8	25.4	0.98
F04	09 Feb 2022	54	12.11	83.95	5.4	33.48	7.8	25.4	0.95
F04	09 Feb 2022	55	12.04	83.83	5.3	33.48	7.8	25.4	0.89
F04	09 Feb 2022	56	11.99	83.83	5.3	33.49	7.8	25.4	0.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	09 Feb 2022	57	11.97	83.81	5.3	33.49	7.8	25.4	0.84
F04	09 Feb 2022	58	11.95	83.89	5.3	33.49	7.8	25.4	0.82
F04	09 Feb 2022	59	11.92	83.94	5.3	33.50	7.8	25.4	0.79
F04	09 Feb 2022	60	11.86	83.82	5.2	33.51	7.8	25.5	0.77
F04	09 Feb 2022	61	11.84	83.34	5.1	33.51	7.8	25.5	0.77
F04	09 Feb 2022	62	11.89	83.30	5.2	33.51	7.8	25.4	0.76
F05	09 Feb 2022	1	15.34	83.71	7.9	33.48	8.1	24.7	0.58
F05	09 Feb 2022	2	15.20	83.66	7.9	33.48	8.1	24.8	0.58
F05	09 Feb 2022	3	15.14	83.62	7.9	33.48	8.1	24.8	0.59
F05	09 Feb 2022	4	15.12	83.57	7.9	33.47	8.1	24.8	0.58
F05	09 Feb 2022	5	15.12	83.57	7.9	33.47	8.1	24.8	0.59
F05	09 Feb 2022	6	15.11	83.50	7.9	33.47	8.1	24.8	0.60
F05	09 Feb 2022	7	15.11	83.57	7.8	33.47	8.1	24.8	0.63
F05	09 Feb 2022	8	15.10	83.54	7.8	33.47	8.1	24.8	0.62
F05	09 Feb 2022	9	15.09	83.63	7.9	33.47	8.1	24.8	0.65
F05	09 Feb 2022	10	15.09	83.66	7.9	33.47	8.1	24.8	0.66
F05	09 Feb 2022	11	15.09	83.66	7.8	33.47	8.1	24.8	0.67
F05	09 Feb 2022	12	15.09	83.64	7.9	33.47	8.1	24.8	0.68
F05	09 Feb 2022	13	15.08	83.69	7.9	33.47	8.1	24.8	0.70
F05	09 Feb 2022	14	15.07	83.74	7.8	33.47	8.1	24.8	0.73
F05	09 Feb 2022	15	15.07	83.65	7.9	33.47	8.1	24.8	0.76
F05	09 Feb 2022	16	15.06	83.66	7.9	33.47	8.1	24.8	0.77
F05	09 Feb 2022	17	15.05	83.68	7.8	33.47	8.1	24.8	0.78
F05	09 Feb 2022	18	15.04	83.68	7.8	33.47	8.1	24.8	0.81
F05	09 Feb 2022	19	15.03	83.63	7.9	33.47	8.1	24.8	0.86
F05	09 Feb 2022	20	15.02	83.57	7.9	33.47	8.1	24.8	0.90
F05	09 Feb 2022	21	15.01	83.60	7.9	33.47	8.1	24.8	0.93
F05	09 Feb 2022	22	15.00	83.55	7.8	33.47	8.1	24.8	1.00
F05	09 Feb 2022	23	14.96	83.37	7.9	33.47	8.1	24.8	1.04
F05	09 Feb 2022	24	14.90	83.22	7.8	33.46	8.1	24.8	1.12
F05	09 Feb 2022	25	14.76	82.90	7.6	33.45	8.1	24.8	1.26
F05	09 Feb 2022	26	14.57	82.93	7.4	33.43	8.0	24.9	1.39
F05	09 Feb 2022	27	14.41	82.95	7.3	33.43	8.0	24.9	1.41
F05	09 Feb 2022	28	14.23	83.10	7.1	33.41	8.0	24.9	1.53
F05	09 Feb 2022	29	13.92	83.19	6.8	33.39	8.0	25.0	1.57
F05	09 Feb 2022	30	13.72	83.33	6.7	33.38	8.0	25.0	1.50
F05	09 Feb 2022	31	13.58	83.52	6.6	33.38	8.0	25.0	1.61
F05	09 Feb 2022	32	13.28	83.87	6.3	33.39	7.9	25.1	1.40
F05	09 Feb 2022	33	13.17	83.86	6.3	33.39	7.9	25.1	1.31
F05	09 Feb 2022	34	13.12	83.97	6.2	33.39	7.9	25.1	1.29
F05	09 Feb 2022	35	12.99	83.94	6.1	33.39	7.9	25.1	1.30
F05	09 Feb 2022	36	12.78	83.97	6.0	33.40	7.9	25.2	1.22
F05	09 Feb 2022	37	12.74	83.91	6.0	33.40	7.9	25.2	1.19
F05	09 Feb 2022	38	12.72	83.96	6.0	33.40	7.9	25.2	1.19
F05	09 Feb 2022	39	12.64	83.90	5.9	33.40	7.9	25.2	1.21
F05	09 Feb 2022	40	12.55	84.02	5.9	33.41	7.9	25.2	1.21
F05	09 Feb 2022	41	12.51	84.07	5.9	33.41	7.9	25.3	1.19
F05	09 Feb 2022	42	12.50	84.10	5.8	33.42	7.9	25.3	1.18
F05	09 Feb 2022	43	12.49	84.09	5.8	33.42	7.9	25.3	1.15
F05	09 Feb 2022	44	12.49	84.11	5.9	33.42	7.9	25.3	1.14
F05	09 Feb 2022	45	12.48	84.12	5.9	33.42	7.9	25.3	1.16
F05	09 Feb 2022	46	12.47	84.14	5.9	33.42	7.9	25.3	1.16
F05	09 Feb 2022	47	12.46	84.13	5.8	33.42	7.9	25.3	1.15
F05	09 Feb 2022	48	12.46	84.21	5.9	33.43	7.9	25.3	1.12
F05	09 Feb 2022	49	12.45	84.18	5.8	33.43	7.9	25.3	1.13
F05	09 Feb 2022	50	12.42	84.18	5.8	33.43	7.9	25.3	1.06
F05	09 Feb 2022	51	12.40	84.10	5.7	33.44	7.9	25.3	1.09
F05	09 Feb 2022	52	12.40	84.06	5.8	33.44	7.8	25.3	1.11
F05	09 Feb 2022	53	12.40	84.10	5.7	33.44	7.8	25.3	1.07
F05	09 Feb 2022	54	12.40	84.10	5.7	33.44	7.8	25.3	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F05	09 Feb 2022	55	12.39	84.10	5.7	33.44	7.8	25.3	1.07
F05	09 Feb 2022	56	12.40	84.09	5.7	33.44	7.8	25.3	1.07
F05	09 Feb 2022	57	12.40	84.05	5.8	33.44	7.8	25.3	1.07
F05	09 Feb 2022	58	12.40	84.05	5.8	33.44	7.8	25.3	1.11
F05	09 Feb 2022	59	12.40	83.98	5.7	33.44	7.8	25.3	1.15
F05	09 Feb 2022	60	12.36	83.61	5.6	33.44	7.8	25.3	1.06
F05	09 Feb 2022	61	12.28	81.91	5.6	33.45	7.8	25.3	1.00
F06	09 Feb 2022	1	15.66	83.99	7.9	33.48	8.1	24.7	0.55
F06	09 Feb 2022	2	15.47	84.05	7.8	33.48	8.1	24.7	0.55
F06	09 Feb 2022	3	15.15	83.92	7.9	33.47	8.1	24.8	0.58
F06	09 Feb 2022	4	15.12	83.76	7.9	33.47	8.1	24.8	0.59
F06	09 Feb 2022	5	15.11	83.62	7.9	33.47	8.1	24.8	0.61
F06	09 Feb 2022	6	15.10	83.58	7.9	33.47	8.1	24.8	0.61
F06	09 Feb 2022	7	15.09	83.67	7.9	33.47	8.1	24.8	0.62
F06	09 Feb 2022	8	15.08	83.60	7.9	33.47	8.1	24.8	0.65
F06	09 Feb 2022	9	15.08	83.61	7.9	33.47	8.1	24.8	0.65
F06	09 Feb 2022	10	15.07	83.17	7.9	33.47	8.1	24.8	0.66
F06	09 Feb 2022	11	15.06	83.45	7.9	33.47	8.1	24.8	0.70
F06	09 Feb 2022	12	15.07	83.52	7.9	33.47	8.1	24.8	0.72
F06	09 Feb 2022	13	15.05	83.54	7.9	33.47	8.1	24.8	0.74
F06	09 Feb 2022	14	15.05	83.42	7.9	33.47	8.1	24.8	0.77
F06	09 Feb 2022	15	15.05	83.54	7.9	33.47	8.1	24.8	0.80
F06	09 Feb 2022	16	15.04	83.43	7.9	33.47	8.1	24.8	0.80
F06	09 Feb 2022	17	15.04	83.54	7.9	33.47	8.1	24.8	0.83
F06	09 Feb 2022	18	15.03	83.55	7.9	33.47	8.1	24.8	0.85
F06	09 Feb 2022	19	14.99	83.53	7.8	33.47	8.1	24.8	0.91
F06	09 Feb 2022	20	14.90	83.47	7.8	33.46	8.1	24.8	1.04
F06	09 Feb 2022	21	14.87	83.16	7.8	33.46	8.1	24.8	1.17
F06	09 Feb 2022	22	14.73	82.77	7.6	33.45	8.1	24.8	1.41
F06	09 Feb 2022	23	14.60	82.63	7.5	33.44	8.0	24.9	1.63
F06	09 Feb 2022	24	14.49	82.81	7.3	33.44	8.0	24.9	1.72
F06	09 Feb 2022	25	14.39	82.77	7.3	33.43	8.0	24.9	1.73
F06	09 Feb 2022	26	14.32	82.76	7.2	33.43	8.0	24.9	1.89
F06	09 Feb 2022	27	14.25	82.67	7.2	33.43	8.0	24.9	1.96
F06	09 Feb 2022	28	14.17	82.62	7.2	33.42	8.0	24.9	1.96
F06	09 Feb 2022	29	14.06	82.48	7.0	33.42	8.0	25.0	2.09
F06	09 Feb 2022	30	13.86	82.53	6.8	33.41	8.0	25.0	2.00
F06	09 Feb 2022	31	13.78	82.66	6.8	33.40	8.0	25.0	2.05
F06	09 Feb 2022	32	13.69	82.96	6.7	33.39	8.0	25.0	1.94
F06	09 Feb 2022	33	13.49	83.01	6.6	33.38	8.0	25.0	1.86
F06	09 Feb 2022	34	13.36	83.48	6.5	33.38	7.9	25.1	1.77
F06	09 Feb 2022	35	13.17	83.76	6.3	33.38	7.9	25.1	1.57
F06	09 Feb 2022	36	13.02	83.79	6.2	33.40	7.9	25.1	1.50
F06	09 Feb 2022	37	12.99	83.64	6.1	33.40	7.9	25.2	1.44
F06	09 Feb 2022	38	12.95	83.64	6.1	33.40	7.9	25.2	1.41
F06	09 Feb 2022	39	12.82	83.83	6.1	33.40	7.9	25.2	1.31
F06	09 Feb 2022	40	12.77	83.96	6.1	33.41	7.9	25.2	1.32
F06	09 Feb 2022	41	12.76	83.94	6.0	33.41	7.9	25.2	1.27
F06	09 Feb 2022	42	12.65	84.03	5.9	33.41	7.9	25.2	1.29
F06	09 Feb 2022	43	12.55	83.94	5.8	33.42	7.9	25.3	1.23
F06	09 Feb 2022	44	12.48	83.77	5.7	33.43	7.9	25.3	1.19
F06	09 Feb 2022	45	12.45	83.74	5.8	33.43	7.8	25.3	1.14
F06	09 Feb 2022	46	12.43	83.78	5.7	33.43	7.8	25.3	1.15
F06	09 Feb 2022	47	12.40	83.85	5.7	33.43	7.8	25.3	1.12
F06	09 Feb 2022	48	12.36	83.92	5.7	33.44	7.8	25.3	1.09
F06	09 Feb 2022	49	12.31	83.94	5.6	33.45	7.8	25.3	1.07
F06	09 Feb 2022	50	12.30	83.64	5.6	33.45	7.8	25.3	1.04
F06	09 Feb 2022	51	12.29	83.41	5.6	33.45	7.8	25.3	1.03
F06	09 Feb 2022	52	12.26	83.39	5.5	33.46	7.8	25.3	1.01
F06	09 Feb 2022	53	12.23	83.23	5.5	33.46	7.8	25.4	0.98

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F06	09 Feb 2022	54	12.18	83.23	5.5	33.47	7.8	25.4	0.96
F06	09 Feb 2022	55	12.17	83.57	5.5	33.47	7.8	25.4	0.94
F06	09 Feb 2022	56	12.14	83.53	5.4	33.47	7.8	25.4	0.91
F06	09 Feb 2022	57	12.11	83.00	5.3	33.48	7.8	25.4	0.89
F06	09 Feb 2022	58	12.11	82.51	5.3	33.48	7.8	25.4	0.90
F06	09 Feb 2022	59	12.10	82.35	5.2	33.48	7.8	25.4	0.84
F06	09 Feb 2022	60	11.99	81.03	5.1	33.50	7.8	25.4	0.82
F06	09 Feb 2022	61	11.97	79.86	5.1	33.50	7.8	25.4	0.76
F06	09 Feb 2022	62	11.97	79.92	5.1	33.50	7.8	25.4	0.77
F07	09 Feb 2022	1	15.25	83.66	6.8	33.49	8.1	24.8	0.74
F07	09 Feb 2022	2	15.20	82.13	7.5	33.50	8.1	24.8	0.68
F07	09 Feb 2022	3	15.20	82.79	7.7	33.48	8.1	24.8	0.67
F07	09 Feb 2022	4	15.23	83.66	7.5	33.46	8.1	24.7	0.65
F07	09 Feb 2022	5	15.20	83.69	7.4	33.50	8.1	24.8	0.65
F07	09 Feb 2022	6	15.18	83.46	7.8	33.48	8.1	24.8	0.61
F07	09 Feb 2022	7	15.13	83.68	7.9	33.48	8.1	24.8	0.62
F07	09 Feb 2022	8	15.12	83.69	7.8	33.48	8.1	24.8	0.60
F07	09 Feb 2022	9	15.11	83.62	7.9	33.48	8.1	24.8	0.61
F07	09 Feb 2022	10	15.05	83.63	7.8	33.48	8.1	24.8	0.65
F07	09 Feb 2022	11	14.99	83.49	7.8	33.47	8.1	24.8	0.68
F07	09 Feb 2022	12	14.96	83.41	7.8	33.47	8.1	24.8	0.75
F07	09 Feb 2022	13	14.86	83.03	7.8	33.47	8.1	24.8	0.86
F07	09 Feb 2022	14	14.79	83.10	7.7	33.46	8.1	24.8	0.92
F07	09 Feb 2022	15	14.72	83.12	7.6	33.46	8.1	24.8	1.06
F07	09 Feb 2022	16	14.69	83.07	7.6	33.45	8.0	24.8	1.11
F07	09 Feb 2022	17	14.65	82.95	7.6	33.45	8.0	24.9	1.22
F07	09 Feb 2022	18	14.62	82.84	7.5	33.45	8.0	24.9	1.29
F07	09 Feb 2022	19	14.55	82.66	7.5	33.45	8.0	24.9	1.40
F07	09 Feb 2022	20	14.41	82.67	7.3	33.44	8.0	24.9	1.56
F07	09 Feb 2022	21	14.25	82.40	7.2	33.44	8.0	24.9	1.63
F07	09 Feb 2022	22	14.18	82.58	7.1	33.43	8.0	24.9	1.75
F07	09 Feb 2022	23	14.10	82.20	7.0	33.43	8.0	25.0	1.78
F07	09 Feb 2022	24	14.02	82.13	6.9	33.44	8.0	25.0	1.85
F07	09 Feb 2022	25	13.83	82.26	6.8	33.43	8.0	25.0	1.81
F07	09 Feb 2022	26	13.80	82.33	6.8	33.42	8.0	25.0	1.90
F07	09 Feb 2022	27	13.72	82.42	6.7	33.42	8.0	25.0	1.93
F07	09 Feb 2022	28	13.68	82.34	6.7	33.41	8.0	25.0	1.95
F07	09 Feb 2022	29	13.64	82.39	6.7	33.41	8.0	25.0	1.94
F07	09 Feb 2022	30	13.56	82.62	6.6	33.41	7.9	25.0	1.86
F07	09 Feb 2022	31	13.50	82.80	6.5	33.40	7.9	25.1	1.88
F07	09 Feb 2022	32	13.50	83.01	6.6	33.40	7.9	25.1	1.86
F07	09 Feb 2022	33	13.47	83.05	6.6	33.39	7.9	25.1	1.72
F07	09 Feb 2022	34	13.41	83.14	6.5	33.39	7.9	25.1	1.71
F07	09 Feb 2022	35	13.31	83.37	6.5	33.38	7.9	25.1	1.67
F07	09 Feb 2022	36	13.25	83.45	6.3	33.39	7.9	25.1	1.60
F07	09 Feb 2022	37	13.17	83.57	6.3	33.39	7.9	25.1	1.55
F07	09 Feb 2022	38	13.02	83.75	6.2	33.40	7.9	25.1	1.55
F07	09 Feb 2022	39	12.89	83.95	6.1	33.40	7.9	25.2	1.44
F07	09 Feb 2022	40	12.87	84.05	6.1	33.40	7.9	25.2	1.31
F07	09 Feb 2022	41	12.83	84.06	6.1	33.40	7.9	25.2	1.31
F07	09 Feb 2022	42	12.76	84.07	6.0	33.40	7.9	25.2	1.27
F07	09 Feb 2022	43	12.68	84.17	6.0	33.41	7.9	25.2	1.36
F07	09 Feb 2022	44	12.66	84.16	6.0	33.41	7.9	25.2	1.23
F07	09 Feb 2022	45	12.61	84.15	5.9	33.41	7.9	25.2	1.24
F07	09 Feb 2022	46	12.52	84.18	5.9	33.42	7.9	25.3	1.20
F07	09 Feb 2022	47	12.51	84.22	5.9	33.43	7.9	25.3	1.17
F07	09 Feb 2022	48	12.50	84.07	5.8	33.43	7.9	25.3	1.14
F07	09 Feb 2022	49	12.46	84.12	5.7	33.44	7.8	25.3	1.14
F07	09 Feb 2022	50	12.36	84.06	5.7	33.45	7.8	25.3	1.09
F07	09 Feb 2022	51	12.31	83.93	5.6	33.45	7.8	25.3	1.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F07	09 Feb 2022	52	12.29	83.87	5.6	33.45	7.8	25.3	1.02
F07	09 Feb 2022	53	12.28	83.81	5.6	33.45	7.8	25.3	1.03
F07	09 Feb 2022	54	12.26	83.76	5.5	33.46	7.8	25.3	1.05
F07	09 Feb 2022	55	12.24	83.72	5.5	33.46	7.8	25.3	0.97
F07	09 Feb 2022	56	12.15	83.57	5.3	33.47	7.8	25.4	0.93
F07	09 Feb 2022	57	12.08	83.29	5.2	33.48	7.8	25.4	0.90
F07	09 Feb 2022	58	12.00	83.05	5.2	33.49	7.8	25.4	0.86
F07	09 Feb 2022	59	11.95	82.92	5.2	33.50	7.8	25.4	0.83
F07	09 Feb 2022	60	11.90	82.98	5.1	33.51	7.8	25.4	0.80
F07	09 Feb 2022	61	11.88	82.88	5.1	33.51	7.8	25.5	0.76
F07	09 Feb 2022	62	11.83	82.84	5.0	33.52	7.8	25.5	0.76
F07	09 Feb 2022	63	11.73	83.16	5.0	33.53	7.8	25.5	0.71
F07	09 Feb 2022	64	11.65	82.42	4.9	33.54	7.8	25.5	0.67
F08	09 Feb 2022	1	15.33	79.55	7.9	33.48	8.1	24.7	0.61
F08	09 Feb 2022	2	15.30	82.25	7.9	33.48	8.1	24.7	0.60
F08	09 Feb 2022	3	15.16	83.16	7.9	33.48	8.1	24.8	0.61
F08	09 Feb 2022	4	15.13	83.13	7.9	33.48	8.1	24.8	0.64
F08	09 Feb 2022	5	15.12	83.12	7.9	33.47	8.1	24.8	0.67
F08	09 Feb 2022	6	15.10	83.13	7.9	33.47	8.1	24.8	0.68
F08	09 Feb 2022	7	15.08	83.19	7.9	33.47	8.1	24.8	0.69
F08	09 Feb 2022	8	15.05	83.19	7.9	33.47	8.1	24.8	0.73
F08	09 Feb 2022	9	15.02	83.12	7.9	33.47	8.1	24.8	0.74
F08	09 Feb 2022	10	14.95	83.04	7.8	33.46	8.1	24.8	0.81
F08	09 Feb 2022	11	14.83	82.88	7.7	33.46	8.1	24.8	0.99
F08	09 Feb 2022	12	14.80	82.40	7.7	33.45	8.0	24.8	1.11
F08	09 Feb 2022	13	14.74	82.18	7.6	33.45	8.0	24.8	1.20
F08	09 Feb 2022	14	14.68	82.42	7.5	33.44	8.0	24.8	1.28
F08	09 Feb 2022	15	14.63	82.57	7.6	33.44	8.0	24.8	1.36
F08	09 Feb 2022	16	14.56	82.51	7.4	33.43	8.0	24.9	1.48
F08	09 Feb 2022	17	14.36	82.41	7.3	33.44	8.0	24.9	1.60
F08	09 Feb 2022	18	14.24	82.25	7.2	33.44	8.0	24.9	1.74
F08	09 Feb 2022	19	14.19	81.99	7.2	33.43	8.0	24.9	1.85
F08	09 Feb 2022	20	14.14	82.11	7.1	33.43	8.0	24.9	1.93
F08	09 Feb 2022	21	14.07	82.12	7.0	33.43	8.0	25.0	2.00
F08	09 Feb 2022	22	13.99	82.14	6.9	33.42	8.0	25.0	1.97
F08	09 Feb 2022	23	13.75	82.16	6.6	33.42	8.0	25.0	1.92
F08	09 Feb 2022	24	13.53	82.22	6.5	33.41	7.9	25.1	1.85
F08	09 Feb 2022	25	13.44	82.31	6.4	33.40	7.9	25.1	1.73
F08	09 Feb 2022	26	13.39	82.69	6.4	33.40	7.9	25.1	1.72
F08	09 Feb 2022	27	13.36	82.84	6.5	33.40	7.9	25.1	1.71
F08	09 Feb 2022	28	13.33	82.87	6.4	33.40	7.9	25.1	1.69
F08	09 Feb 2022	29	13.26	82.93	6.3	33.40	7.9	25.1	1.62
F08	09 Feb 2022	30	13.22	83.16	6.3	33.40	7.9	25.1	1.63
F08	09 Feb 2022	31	13.17	83.36	6.2	33.40	7.9	25.1	1.59
F08	09 Feb 2022	32	13.02	83.42	6.2	33.40	7.9	25.2	1.51
F08	09 Feb 2022	33	12.88	83.58	6.0	33.41	7.9	25.2	1.45
F08	09 Feb 2022	34	12.74	83.78	5.9	33.41	7.9	25.2	1.33
F08	09 Feb 2022	35	12.57	83.77	5.9	33.42	7.9	25.3	1.27
F08	09 Feb 2022	36	12.51	83.97	5.8	33.43	7.9	25.3	1.21
F08	09 Feb 2022	37	12.49	83.86	5.8	33.43	7.8	25.3	1.18
F08	09 Feb 2022	38	12.46	83.88	5.8	33.43	7.8	25.3	1.18
F08	09 Feb 2022	39	12.45	83.93	5.8	33.43	7.8	25.3	1.15
F08	09 Feb 2022	40	12.43	83.96	5.8	33.44	7.8	25.3	1.15
F08	09 Feb 2022	41	12.41	83.98	5.8	33.44	7.8	25.3	1.15
F08	09 Feb 2022	42	12.40	83.96	5.7	33.44	7.8	25.3	1.12
F08	09 Feb 2022	43	12.38	84.04	5.7	33.44	7.8	25.3	1.12
F08	09 Feb 2022	44	12.35	83.98	5.7	33.45	7.8	25.3	1.08
F08	09 Feb 2022	45	12.30	83.95	5.6	33.45	7.8	25.3	1.06
F08	09 Feb 2022	46	12.29	83.84	5.6	33.45	7.8	25.3	1.04
F08	09 Feb 2022	47	12.28	83.83	5.6	33.45	7.8	25.3	1.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F08	09 Feb 2022	48	12.24	83.83	5.5	33.46	7.8	25.3	1.05
F08	09 Feb 2022	49	12.18	83.72	5.4	33.47	7.8	25.4	1.00
F08	09 Feb 2022	50	12.13	82.98	5.3	33.48	7.8	25.4	0.96
F08	09 Feb 2022	51	12.12	82.67	5.3	33.48	7.8	25.4	0.94
F08	09 Feb 2022	52	12.11	82.45	5.3	33.48	7.8	25.4	0.96
F08	09 Feb 2022	53	12.09	82.39	5.3	33.48	7.8	25.4	0.93
F08	09 Feb 2022	54	12.07	82.66	5.4	33.48	7.8	25.4	0.90
F08	09 Feb 2022	55	12.05	83.10	5.3	33.49	7.8	25.4	0.89
F08	09 Feb 2022	56	12.01	82.76	5.2	33.49	7.8	25.4	0.85
F08	09 Feb 2022	57	11.90	81.94	5.1	33.51	7.8	25.4	0.81
F08	09 Feb 2022	58	11.84	81.64	5.0	33.52	7.8	25.5	0.76
F08	09 Feb 2022	59	11.80	81.38	4.9	33.52	7.8	25.5	0.74
F08	09 Feb 2022	60	11.68	80.98	4.9	33.54	7.8	25.5	0.72
F08	09 Feb 2022	61	11.73	80.73	4.9	33.53	7.8	25.5	0.69
F09	09 Feb 2022	1	15.34	83.44	7.9	33.48	8.1	24.7	0.70
F09	09 Feb 2022	2	15.26	83.47	7.9	33.48	8.1	24.7	0.71
F09	09 Feb 2022	3	15.17	83.32	7.9	33.48	8.1	24.8	0.72
F09	09 Feb 2022	4	15.14	82.90	7.9	33.48	8.1	24.8	0.73
F09	09 Feb 2022	5	15.12	83.14	7.9	33.48	8.1	24.8	0.78
F09	09 Feb 2022	6	15.09	82.96	7.9	33.48	8.1	24.8	0.83
F09	09 Feb 2022	7	15.06	82.86	7.9	33.47	8.1	24.8	0.92
F09	09 Feb 2022	8	15.04	82.76	7.9	33.47	8.1	24.8	0.99
F09	09 Feb 2022	9	15.03	82.68	7.9	33.47	8.1	24.8	1.01
F09	09 Feb 2022	10	14.99	82.70	7.9	33.47	8.1	24.8	1.02
F09	09 Feb 2022	11	14.89	82.52	7.8	33.47	8.1	24.8	1.13
F09	09 Feb 2022	12	14.78	82.41	7.6	33.46	8.1	24.8	1.25
F09	09 Feb 2022	13	14.69	82.22	7.5	33.45	8.0	24.8	1.32
F09	09 Feb 2022	14	14.57	82.43	7.4	33.44	8.0	24.9	1.36
F09	09 Feb 2022	15	14.52	82.76	7.4	33.43	8.0	24.9	1.43
F09	09 Feb 2022	16	14.47	82.72	7.4	33.43	8.0	24.9	1.48
F09	09 Feb 2022	17	14.39	82.80	7.3	33.42	8.0	24.9	1.56
F09	09 Feb 2022	18	14.29	82.51	7.2	33.43	8.0	24.9	1.73
F09	09 Feb 2022	19	14.21	82.33	7.1	33.43	8.0	24.9	1.82
F09	09 Feb 2022	20	14.17	82.26	7.1	33.43	8.0	24.9	2.05
F09	09 Feb 2022	21	14.14	82.25	7.0	33.43	8.0	24.9	1.98
F09	09 Feb 2022	22	14.03	82.12	6.9	33.43	8.0	25.0	1.97
F09	09 Feb 2022	23	13.95	82.12	6.8	33.43	8.0	25.0	1.95
F09	09 Feb 2022	24	13.87	82.06	6.8	33.42	8.0	25.0	1.92
F09	09 Feb 2022	25	13.75	82.15	6.7	33.42	8.0	25.0	1.97
F09	09 Feb 2022	26	13.65	82.48	6.6	33.41	8.0	25.0	1.98
F09	09 Feb 2022	27	13.44	82.74	6.4	33.40	7.9	25.1	1.87
F09	09 Feb 2022	28	13.29	82.97	6.3	33.39	7.9	25.1	1.77
F09	09 Feb 2022	29	13.20	83.12	6.3	33.39	7.9	25.1	1.71
F09	09 Feb 2022	30	13.12	83.10	6.2	33.40	7.9	25.1	1.61
F09	09 Feb 2022	31	13.09	83.29	6.2	33.40	7.9	25.1	1.56
F09	09 Feb 2022	32	13.06	83.35	6.2	33.40	7.9	25.1	1.53
F09	09 Feb 2022	33	12.91	83.47	6.0	33.41	7.9	25.2	1.53
F09	09 Feb 2022	34	12.80	83.62	6.0	33.41	7.9	25.2	1.46
F09	09 Feb 2022	35	12.74	83.79	5.9	33.41	7.9	25.2	1.38
F09	09 Feb 2022	36	12.61	83.78	5.8	33.42	7.9	25.2	1.34
F09	09 Feb 2022	37	12.50	83.90	5.8	33.43	7.9	25.3	1.23
F09	09 Feb 2022	38	12.45	83.96	5.8	33.43	7.8	25.3	1.19
F09	09 Feb 2022	39	12.41	84.00	5.7	33.44	7.8	25.3	1.19
F09	09 Feb 2022	40	12.31	83.95	5.6	33.45	7.8	25.3	1.06
F09	09 Feb 2022	41	12.28	83.94	5.6	33.45	7.8	25.3	1.03
F09	09 Feb 2022	42	12.26	84.00	5.6	33.45	7.8	25.3	1.02
F09	09 Feb 2022	43	12.21	83.92	5.5	33.46	7.8	25.4	1.12
F09	09 Feb 2022	44	12.12	83.78	5.4	33.47	7.8	25.4	1.04
F09	09 Feb 2022	45	12.08	83.51	5.3	33.48	7.8	25.4	0.95
F09	09 Feb 2022	46	12.02	83.34	5.3	33.49	7.8	25.4	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F09	09 Feb 2022	47	11.99	83.28	5.2	33.49	7.8	25.4	0.85
F09	09 Feb 2022	48	11.94	83.25	5.2	33.50	7.8	25.4	0.82
F09	09 Feb 2022	49	11.92	82.27	5.2	33.50	7.8	25.4	0.79
F09	09 Feb 2022	50	11.91	82.24	5.1	33.51	7.8	25.4	0.77
F09	09 Feb 2022	51	11.89	82.19	5.1	33.51	7.8	25.4	0.77
F09	09 Feb 2022	52	11.88	82.29	5.1	33.51	7.8	25.5	0.73
F09	09 Feb 2022	53	11.84	82.29	5.1	33.52	7.8	25.5	0.74
F09	09 Feb 2022	54	11.81	82.15	5.1	33.52	7.8	25.5	0.74
F09	09 Feb 2022	55	11.80	81.96	5.1	33.52	7.8	25.5	0.71
F09	09 Feb 2022	56	11.78	81.88	5.0	33.53	7.8	25.5	0.70
F09	09 Feb 2022	57	11.77	81.54	5.0	33.53	7.8	25.5	0.71
F09	09 Feb 2022	58	11.77	81.81	5.0	33.53	7.8	25.5	0.70
F09	09 Feb 2022	59	11.76	81.13	5.0	33.53	7.8	25.5	0.70
F09	09 Feb 2022	60	11.76	80.95	5.0	33.53	7.8	25.5	0.71
F09	09 Feb 2022	61	11.77	80.97	5.0	33.53	7.8	25.5	0.71
F09	09 Feb 2022	62	11.77	80.88	5.0	33.53	7.8	25.5	0.70
F09	09 Feb 2022	63	11.77	80.90	5.0	33.53	7.8	25.5	0.70
F10	09 Feb 2022	1	15.18	82.49	7.9	33.48	8.1	24.8	0.92
F10	09 Feb 2022	2	15.17	82.55	7.9	33.48	8.1	24.8	0.93
F10	09 Feb 2022	3	15.16	82.67	7.9	33.48	8.1	24.8	0.95
F10	09 Feb 2022	4	15.10	82.66	7.9	33.48	8.1	24.8	0.98
F10	09 Feb 2022	5	15.07	82.53	8.0	33.48	8.1	24.8	1.04
F10	09 Feb 2022	6	15.06	82.34	7.9	33.48	8.1	24.8	1.08
F10	09 Feb 2022	7	15.04	82.35	7.9	33.48	8.1	24.8	1.13
F10	09 Feb 2022	8	15.02	82.48	7.9	33.48	8.1	24.8	1.15
F10	09 Feb 2022	9	15.01	82.45	7.9	33.48	8.1	24.8	1.23
F10	09 Feb 2022	10	15.00	82.41	7.9	33.48	8.1	24.8	1.31
F10	09 Feb 2022	11	14.92	82.38	7.8	33.47	8.1	24.8	1.28
F10	09 Feb 2022	12	14.80	82.71	7.7	33.46	8.0	24.8	1.31
F10	09 Feb 2022	13	14.71	82.71	7.6	33.46	8.0	24.8	1.45
F10	09 Feb 2022	14	14.66	82.70	7.4	33.45	8.0	24.9	1.54
F10	09 Feb 2022	15	14.46	82.74	7.3	33.44	8.0	24.9	1.62
F10	09 Feb 2022	16	14.35	82.88	7.2	33.43	8.0	24.9	1.64
F10	09 Feb 2022	17	14.13	82.79	7.0	33.42	8.0	24.9	1.70
F10	09 Feb 2022	18	14.03	82.93	7.0	33.42	8.0	25.0	1.75
F10	09 Feb 2022	19	14.00	82.85	7.0	33.42	8.0	25.0	1.75
F10	09 Feb 2022	20	14.00	82.83	7.0	33.42	8.0	25.0	1.86
F10	09 Feb 2022	21	14.00	82.77	7.0	33.42	8.0	25.0	1.88
F10	09 Feb 2022	22	14.00	82.70	7.0	33.42	8.0	25.0	1.98
F10	09 Feb 2022	23	13.95	82.69	7.0	33.42	8.0	25.0	2.03
F10	09 Feb 2022	24	13.90	82.60	6.9	33.42	8.0	25.0	2.06
F10	09 Feb 2022	25	13.83	82.45	6.8	33.43	8.0	25.0	2.10
F10	09 Feb 2022	26	13.76	82.37	6.8	33.43	8.0	25.0	2.04
F10	09 Feb 2022	27	13.71	82.36	6.7	33.42	7.9	25.0	1.96
F10	09 Feb 2022	28	13.56	82.42	6.5	33.42	7.9	25.1	1.92
F10	09 Feb 2022	29	13.30	82.84	6.4	33.40	7.9	25.1	1.93
F10	09 Feb 2022	30	13.22	83.09	6.3	33.40	7.9	25.1	1.82
F10	09 Feb 2022	31	13.14	83.26	6.3	33.39	7.9	25.1	1.75
F10	09 Feb 2022	32	13.03	83.25	6.2	33.40	7.9	25.1	1.66
F10	09 Feb 2022	33	12.98	83.33	6.1	33.40	7.9	25.2	1.52
F10	09 Feb 2022	34	12.88	83.33	6.1	33.40	7.9	25.2	1.51
F10	09 Feb 2022	35	12.83	83.53	6.0	33.40	7.9	25.2	1.52
F10	09 Feb 2022	36	12.81	83.46	6.0	33.41	7.9	25.2	1.44
F10	09 Feb 2022	37	12.80	83.04	6.0	33.42	7.9	25.2	1.38
F10	09 Feb 2022	38	12.78	82.81	5.9	33.42	7.9	25.2	1.36
F10	09 Feb 2022	39	12.76	82.78	5.9	33.42	7.9	25.2	1.31
F10	09 Feb 2022	40	12.73	82.73	5.9	33.42	7.9	25.2	1.28
F10	09 Feb 2022	41	12.70	82.74	5.9	33.43	7.9	25.2	1.28
F10	09 Feb 2022	42	12.63	82.59	5.8	33.44	7.8	25.3	1.24
F10	09 Feb 2022	43	12.60	82.67	5.8	33.44	7.8	25.3	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F10	09 Feb 2022	44	12.54	82.83	5.7	33.44	7.8	25.3	1.19
F10	09 Feb 2022	45	12.45	82.96	5.6	33.44	7.8	25.3	1.14
F10	09 Feb 2022	46	12.35	82.18	5.6	33.45	7.8	25.3	1.08
F10	09 Feb 2022	47	12.43	82.05	5.6	33.44	7.8	25.3	1.09
F10	09 Feb 2022	48	12.33	81.99	5.6	33.45	7.8	25.3	1.03
F10	09 Feb 2022	49	12.32	82.05	5.5	33.45	7.8	25.3	1.00
F10	09 Feb 2022	50	12.31	82.17	5.5	33.45	7.8	25.3	0.98
F10	09 Feb 2022	51	12.31	82.16	5.5	33.45	7.8	25.3	0.97
F10	09 Feb 2022	52	12.30	82.08	5.5	33.45	7.8	25.3	0.97
F10	09 Feb 2022	53	12.29	82.08	5.5	33.45	7.8	25.3	0.96
F10	09 Feb 2022	54	12.28	82.10	5.5	33.46	7.8	25.3	0.96
F10	09 Feb 2022	55	12.26	82.14	5.5	33.46	7.8	25.3	0.94
F10	09 Feb 2022	56	12.24	82.22	5.5	33.46	7.8	25.3	0.93
F10	09 Feb 2022	57	12.22	82.11	5.4	33.46	7.8	25.4	0.90
F10	09 Feb 2022	58	12.18	82.11	5.4	33.47	7.8	25.4	0.89
F10	09 Feb 2022	59	12.16	82.21	5.4	33.47	7.8	25.4	0.89
F10	09 Feb 2022	60	12.07	82.22	5.3	33.48	7.8	25.4	0.85
F10	09 Feb 2022	61	11.98	81.80	5.2	33.50	7.8	25.4	0.85
F10	09 Feb 2022	62	11.98	57.16	5.1	33.50	7.8	25.4	0.79
F11	09 Feb 2022	1	14.98	82.40	7.9	33.47	8.0	24.8	0.93
F11	09 Feb 2022	2	14.91	82.35	7.9	33.47	8.0	24.8	0.94
F11	09 Feb 2022	3	14.89	82.07	7.9	33.47	8.0	24.8	1.00
F11	09 Feb 2022	4	14.88	81.97	7.9	33.47	8.0	24.8	1.06
F11	09 Feb 2022	5	14.87	81.99	7.9	33.47	8.0	24.8	1.14
F11	09 Feb 2022	6	14.87	81.93	7.8	33.47	8.0	24.8	1.18
F11	09 Feb 2022	7	14.87	81.92	7.8	33.47	8.0	24.8	1.36
F11	09 Feb 2022	8	14.86	82.02	7.8	33.47	8.0	24.8	1.44
F11	09 Feb 2022	9	14.86	81.95	7.9	33.47	8.0	24.8	1.52
F11	09 Feb 2022	10	14.85	81.77	7.8	33.47	8.0	24.8	1.59
F11	09 Feb 2022	11	14.84	81.79	7.8	33.47	8.0	24.8	1.71
F11	09 Feb 2022	12	14.83	81.93	7.8	33.47	8.0	24.8	1.77
F11	09 Feb 2022	13	14.81	81.96	7.7	33.47	8.0	24.8	1.85
F11	09 Feb 2022	14	14.80	82.08	7.7	33.47	8.0	24.8	1.86
F11	09 Feb 2022	15	14.79	82.04	7.6	33.47	8.0	24.8	1.87
F11	09 Feb 2022	16	14.74	82.27	7.5	33.46	8.0	24.8	1.78
F11	09 Feb 2022	17	14.68	82.44	7.4	33.46	8.0	24.9	1.72
F11	09 Feb 2022	18	14.56	82.66	7.4	33.46	8.0	24.9	1.65
F11	09 Feb 2022	19	14.48	82.75	7.3	33.45	8.0	24.9	1.64
F11	09 Feb 2022	20	14.34	83.08	7.1	33.45	8.0	24.9	1.60
F11	09 Feb 2022	21	14.20	83.19	7.0	33.44	8.0	24.9	1.69
F11	09 Feb 2022	22	14.07	83.13	6.9	33.42	8.0	25.0	1.72
F11	09 Feb 2022	23	14.00	83.05	6.9	33.41	8.0	25.0	1.78
F11	09 Feb 2022	24	13.92	83.02	6.8	33.41	8.0	25.0	1.83
F11	09 Feb 2022	25	13.85	83.07	6.8	33.41	8.0	25.0	1.84
F11	09 Feb 2022	26	13.78	83.24	6.7	33.41	7.9	25.0	1.80
F11	09 Feb 2022	27	13.71	83.22	6.6	33.40	7.9	25.0	1.76
F11	09 Feb 2022	28	13.62	83.11	6.6	33.40	7.9	25.0	1.79
F11	09 Feb 2022	29	13.57	83.16	6.6	33.40	7.9	25.0	1.77
F11	09 Feb 2022	30	13.55	83.22	6.6	33.40	7.9	25.0	1.79
F11	09 Feb 2022	31	13.53	83.16	6.6	33.40	7.9	25.1	1.76
F11	09 Feb 2022	32	13.53	82.94	6.6	33.41	7.9	25.1	1.79
F11	09 Feb 2022	33	13.52	82.98	6.6	33.41	7.9	25.1	1.75
F11	09 Feb 2022	34	13.34	82.84	6.4	33.41	7.9	25.1	1.73
F11	09 Feb 2022	35	13.21	82.93	6.3	33.40	7.9	25.1	1.67
F11	09 Feb 2022	36	13.16	83.03	6.3	33.40	7.9	25.1	1.67
F11	09 Feb 2022	37	13.13	82.96	6.2	33.40	7.9	25.1	1.68
F11	09 Feb 2022	38	12.99	83.24	6.2	33.39	7.9	25.2	1.61
F11	09 Feb 2022	39	12.96	83.35	6.2	33.39	7.9	25.2	1.58
F11	09 Feb 2022	40	12.91	83.54	6.1	33.40	7.9	25.2	1.53
F11	09 Feb 2022	41	12.77	83.40	6.0	33.41	7.9	25.2	1.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F11	09 Feb 2022	42	12.72	83.42	6.0	33.41	7.9	25.2	1.36
F11	09 Feb 2022	43	12.67	83.15	5.9	33.41	7.9	25.2	1.30
F11	09 Feb 2022	44	12.61	83.11	5.8	33.42	7.8	25.2	1.27
F11	09 Feb 2022	45	12.59	83.19	5.8	33.42	7.8	25.2	1.21
F11	09 Feb 2022	46	12.55	83.27	5.8	33.42	7.8	25.3	1.21
F11	09 Feb 2022	47	12.48	83.24	5.7	33.43	7.8	25.3	1.15
F11	09 Feb 2022	48	12.43	82.87	5.7	33.44	7.8	25.3	1.11
F11	09 Feb 2022	49	12.39	82.08	5.6	33.44	7.8	25.3	1.07
F11	09 Feb 2022	50	12.36	81.42	5.5	33.44	7.8	25.3	1.04
F11	09 Feb 2022	51	12.35	81.12	5.5	33.44	7.8	25.3	1.01
F11	09 Feb 2022	52	12.35	80.98	5.5	33.44	7.8	25.3	0.99
F11	09 Feb 2022	53	12.34	80.92	5.6	33.45	7.8	25.3	1.00
F11	09 Feb 2022	54	12.34	81.02	5.6	33.45	7.8	25.3	0.99
F11	09 Feb 2022	55	12.32	80.93	5.6	33.45	7.8	25.3	0.98
F11	09 Feb 2022	56	12.32	80.88	5.5	33.45	7.8	25.3	0.98
F11	09 Feb 2022	57	12.32	80.78	5.5	33.45	7.8	25.3	0.97
F11	09 Feb 2022	58	12.31	80.67	5.5	33.45	7.8	25.3	0.97
F11	09 Feb 2022	59	12.29	80.34	5.4	33.45	7.8	25.3	0.95
F11	09 Feb 2022	60	12.16	79.43	5.2	33.47	7.8	25.4	0.91
F11	09 Feb 2022	61	12.07	66.46	5.2	33.49	7.8	25.4	0.85
F12	09 Feb 2022	1	15.02	83.04	7.9	33.48	8.0	24.8	0.87
F12	09 Feb 2022	2	15.00	83.09	7.9	33.48	8.0	24.8	0.89
F12	09 Feb 2022	3	15.00	83.07	7.9	33.48	8.0	24.8	0.89
F12	09 Feb 2022	4	14.99	83.07	7.9	33.48	8.0	24.8	0.89
F12	09 Feb 2022	5	14.99	83.03	7.9	33.48	8.0	24.8	0.90
F12	09 Feb 2022	6	14.99	83.04	7.9	33.48	8.0	24.8	0.92
F12	09 Feb 2022	7	14.98	83.04	7.9	33.48	8.0	24.8	0.95
F12	09 Feb 2022	8	14.98	83.05	7.8	33.48	8.0	24.8	1.01
F12	09 Feb 2022	9	14.98	83.08	7.9	33.48	8.0	24.8	1.03
F12	09 Feb 2022	10	14.98	83.04	7.9	33.48	8.0	24.8	1.06
F12	09 Feb 2022	11	14.98	83.05	7.8	33.48	8.0	24.8	1.11
F12	09 Feb 2022	12	14.97	83.03	7.9	33.48	8.0	24.8	1.16
F12	09 Feb 2022	13	14.96	83.04	7.8	33.48	8.0	24.8	1.20
F12	09 Feb 2022	14	14.94	83.03	7.8	33.47	8.0	24.8	1.28
F12	09 Feb 2022	15	14.92	82.95	7.8	33.47	8.0	24.8	1.40
F12	09 Feb 2022	16	14.87	82.80	7.8	33.47	8.0	24.8	1.54
F12	09 Feb 2022	17	14.78	82.57	7.6	33.47	8.0	24.8	1.79
F12	09 Feb 2022	18	14.68	82.33	7.6	33.46	8.0	24.9	2.04
F12	09 Feb 2022	19	14.64	82.22	7.6	33.46	8.0	24.9	2.16
F12	09 Feb 2022	20	14.59	82.27	7.5	33.46	8.0	24.9	2.01
F12	09 Feb 2022	21	14.51	82.46	7.4	33.46	8.0	24.9	1.97
F12	09 Feb 2022	22	14.39	82.68	7.2	33.46	8.0	24.9	1.80
F12	09 Feb 2022	23	14.29	82.93	7.1	33.45	8.0	24.9	1.76
F12	09 Feb 2022	24	14.23	82.89	7.1	33.45	8.0	24.9	1.74
F12	09 Feb 2022	25	14.16	82.91	7.0	33.44	8.0	24.9	1.74
F12	09 Feb 2022	26	14.06	83.01	6.9	33.44	8.0	25.0	1.75
F12	09 Feb 2022	27	13.99	82.97	6.8	33.43	8.0	25.0	1.79
F12	09 Feb 2022	28	13.85	83.06	6.7	33.43	8.0	25.0	1.81
F12	09 Feb 2022	29	13.74	83.21	6.6	33.42	7.9	25.0	1.75
F12	09 Feb 2022	30	13.67	83.28	6.6	33.41	7.9	25.0	1.75
F12	09 Feb 2022	31	13.54	83.30	6.5	33.41	7.9	25.1	1.80
F12	09 Feb 2022	32	13.39	83.40	6.4	33.40	7.9	25.1	1.75
F12	09 Feb 2022	33	13.22	83.44	6.3	33.40	7.9	25.1	1.65
F12	09 Feb 2022	34	13.11	83.69	6.3	33.39	7.9	25.1	1.64
F12	09 Feb 2022	35	13.05	83.83	6.3	33.38	7.9	25.1	1.57
F12	09 Feb 2022	36	12.98	83.93	6.2	33.38	7.9	25.1	1.47
F12	09 Feb 2022	37	12.95	83.97	6.2	33.38	7.9	25.1	1.47
F12	09 Feb 2022	38	12.92	83.93	6.2	33.38	7.9	25.2	1.39
F12	09 Feb 2022	39	12.88	84.01	6.1	33.39	7.9	25.2	1.38
F12	09 Feb 2022	40	12.85	83.90	6.0	33.40	7.9	25.2	1.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F12	09 Feb 2022	41	12.80	83.68	6.0	33.40	7.9	25.2	1.38
F12	09 Feb 2022	42	12.76	83.62	6.0	33.41	7.9	25.2	1.37
F12	09 Feb 2022	43	12.72	83.58	5.9	33.41	7.9	25.2	1.29
F12	09 Feb 2022	44	12.66	83.67	5.9	33.41	7.8	25.2	1.29
F12	09 Feb 2022	45	12.61	83.73	5.8	33.41	7.8	25.2	1.23
F12	09 Feb 2022	46	12.53	83.53	5.7	33.42	7.8	25.3	1.18
F12	09 Feb 2022	47	12.47	83.15	5.7	33.43	7.8	25.3	1.15
F12	09 Feb 2022	48	12.47	82.94	5.7	33.43	7.8	25.3	1.10
F12	09 Feb 2022	49	12.45	82.64	5.7	33.43	7.8	25.3	1.09
F12	09 Feb 2022	50	12.45	82.62	5.7	33.43	7.8	25.3	1.07
F12	09 Feb 2022	51	12.45	82.42	5.6	33.43	7.8	25.3	1.08
F12	09 Feb 2022	52	12.44	82.04	5.6	33.44	7.8	25.3	1.07
F12	09 Feb 2022	53	12.44	81.65	5.6	33.44	7.8	25.3	1.07
F12	09 Feb 2022	54	12.43	81.50	5.6	33.44	7.8	25.3	1.09
F12	09 Feb 2022	55	12.42	81.39	5.6	33.44	7.8	25.3	1.08
F12	09 Feb 2022	56	12.40	81.45	5.5	33.45	7.8	25.3	1.05
F12	09 Feb 2022	57	12.38	81.47	5.5	33.45	7.8	25.3	1.04
F12	09 Feb 2022	58	12.23	81.35	5.4	33.47	7.8	25.4	0.99
F12	09 Feb 2022	59	12.16	81.17	5.3	33.48	7.8	25.4	0.96
F12	09 Feb 2022	60	12.12	80.97	5.3	33.48	7.8	25.4	0.91
F12	09 Feb 2022	61	12.05	80.86	5.2	33.50	7.8	25.4	0.87
F12	09 Feb 2022	62	12.05	79.17	5.2	33.50	7.8	25.4	0.86
F13	09 Feb 2022	1	15.09	83.01	7.9	33.48	8.0	24.8	0.79
F13	09 Feb 2022	2	15.06	83.03	7.9	33.48	8.0	24.8	0.80
F13	09 Feb 2022	3	15.05	82.98	7.8	33.48	8.0	24.8	0.85
F13	09 Feb 2022	4	15.05	82.94	7.9	33.48	8.0	24.8	0.87
F13	09 Feb 2022	5	15.05	82.94	7.8	33.48	8.0	24.8	0.87
F13	09 Feb 2022	6	15.04	82.95	7.9	33.48	8.0	24.8	0.90
F13	09 Feb 2022	7	15.04	82.91	7.9	33.48	8.0	24.8	0.93
F13	09 Feb 2022	8	15.04	82.96	7.9	33.48	8.0	24.8	0.95
F13	09 Feb 2022	9	15.04	82.92	7.9	33.48	8.0	24.8	0.96
F13	09 Feb 2022	10	15.04	82.95	7.9	33.48	8.0	24.8	1.01
F13	09 Feb 2022	11	15.04	82.93	7.9	33.48	8.0	24.8	1.03
F13	09 Feb 2022	12	15.04	82.93	7.8	33.48	8.0	24.8	1.08
F13	09 Feb 2022	13	15.04	82.88	7.9	33.48	8.0	24.8	1.09
F13	09 Feb 2022	14	15.04	82.94	7.8	33.48	8.0	24.8	1.10
F13	09 Feb 2022	15	15.04	82.95	7.8	33.48	8.0	24.8	1.12
F13	09 Feb 2022	16	15.04	82.95	7.8	33.48	8.0	24.8	1.12
F13	09 Feb 2022	17	15.03	82.98	7.8	33.48	8.0	24.8	1.14
F13	09 Feb 2022	18	15.03	83.02	7.8	33.48	8.0	24.8	1.16
F13	09 Feb 2022	19	15.03	82.98	7.9	33.48	8.0	24.8	1.18
F13	09 Feb 2022	20	15.03	82.95	7.8	33.48	8.0	24.8	1.20
F13	09 Feb 2022	21	15.03	82.97	7.8	33.48	8.0	24.8	1.21
F13	09 Feb 2022	22	15.02	83.01	7.8	33.48	8.0	24.8	1.23
F13	09 Feb 2022	23	15.01	83.01	7.8	33.48	8.0	24.8	1.28
F13	09 Feb 2022	24	15.01	83.02	7.8	33.48	8.0	24.8	1.31
F13	09 Feb 2022	25	15.01	83.03	7.8	33.48	8.0	24.8	1.32
F13	09 Feb 2022	26	15.00	83.05	7.8	33.48	8.0	24.8	1.33
F13	09 Feb 2022	27	15.00	82.98	7.9	33.48	8.0	24.8	1.39
F13	09 Feb 2022	28	14.98	82.94	7.8	33.47	8.0	24.8	1.44
F13	09 Feb 2022	29	14.95	82.88	7.8	33.47	8.0	24.8	1.51
F13	09 Feb 2022	30	14.92	82.79	7.8	33.47	8.0	24.8	1.64
F13	09 Feb 2022	31	14.87	82.65	7.8	33.46	8.0	24.8	1.79
F13	09 Feb 2022	32	14.81	82.51	7.7	33.46	8.0	24.8	1.98
F13	09 Feb 2022	33	14.78	82.37	7.7	33.46	8.0	24.8	2.11
F13	09 Feb 2022	34	14.73	82.20	7.7	33.46	8.0	24.8	2.22
F13	09 Feb 2022	35	14.67	82.12	7.6	33.46	8.0	24.9	2.34
F13	09 Feb 2022	36	14.57	82.09	7.4	33.46	8.0	24.9	2.30
F13	09 Feb 2022	37	14.28	82.33	7.1	33.45	8.0	24.9	2.09
F13	09 Feb 2022	38	14.11	82.42	6.9	33.45	8.0	25.0	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F13	09 Feb 2022	39	13.99	82.48	6.8	33.44	8.0	25.0	1.79
F13	09 Feb 2022	40	13.93	82.52	6.8	33.44	8.0	25.0	1.78
F13	09 Feb 2022	41	13.90	82.42	6.8	33.43	8.0	25.0	1.74
F13	09 Feb 2022	42	13.81	82.52	6.7	33.43	7.9	25.0	1.76
F13	09 Feb 2022	43	13.72	82.62	6.6	33.42	7.9	25.0	1.76
F13	09 Feb 2022	44	13.66	82.82	6.5	33.42	7.9	25.0	1.71
F13	09 Feb 2022	45	13.54	82.98	6.4	33.42	7.9	25.1	1.63
F13	09 Feb 2022	46	13.30	83.17	6.3	33.42	7.9	25.1	1.54
F13	09 Feb 2022	47	13.15	83.33	6.2	33.41	7.9	25.1	1.47
F13	09 Feb 2022	48	13.08	83.38	6.2	33.41	7.9	25.1	1.52
F13	09 Feb 2022	49	13.04	83.45	6.2	33.41	7.9	25.1	1.47
F13	09 Feb 2022	50	12.93	83.42	6.1	33.40	7.9	25.2	1.40
F13	09 Feb 2022	51	12.76	83.58	6.1	33.40	7.9	25.2	1.42
F13	09 Feb 2022	52	12.69	83.81	6.0	33.40	7.9	25.2	1.30
F13	09 Feb 2022	53	12.65	83.71	5.9	33.41	7.8	25.2	1.25
F13	09 Feb 2022	54	12.62	83.43	5.8	33.41	7.8	25.2	1.23
F13	09 Feb 2022	55	12.60	83.45	5.8	33.42	7.8	25.2	1.23
F13	09 Feb 2022	56	12.59	83.03	5.8	33.42	7.8	25.3	1.23
F13	09 Feb 2022	57	12.56	82.98	5.7	33.42	7.8	25.3	1.20
F13	09 Feb 2022	58	12.54	82.79	5.7	33.43	7.8	25.3	1.19
F13	09 Feb 2022	59	12.51	82.57	5.7	33.43	7.8	25.3	1.20
F13	09 Feb 2022	60	12.45	82.37	5.5	33.44	7.8	25.3	1.19
F13	09 Feb 2022	61	12.36	78.44	5.5	33.45	7.8	25.3	1.10
F14	09 Feb 2022	1	15.17	83.22	7.9	33.48	8.1	24.8	0.70
F14	09 Feb 2022	2	15.16	83.02	7.9	33.48	8.1	24.8	0.70
F14	09 Feb 2022	3	15.14	83.16	7.9	33.48	8.1	24.8	0.72
F14	09 Feb 2022	4	15.14	83.18	7.9	33.48	8.1	24.8	0.73
F14	09 Feb 2022	5	15.13	83.19	7.9	33.48	8.1	24.8	0.76
F14	09 Feb 2022	6	15.13	83.19	7.9	33.48	8.1	24.8	0.77
F14	09 Feb 2022	7	15.13	83.17	7.9	33.48	8.1	24.8	0.81
F14	09 Feb 2022	8	15.12	83.16	7.9	33.48	8.1	24.8	0.83
F14	09 Feb 2022	9	15.11	83.13	7.8	33.48	8.1	24.8	0.87
F14	09 Feb 2022	10	15.10	83.09	7.8	33.47	8.1	24.8	0.89
F14	09 Feb 2022	11	15.09	83.08	7.9	33.47	8.1	24.8	0.95
F14	09 Feb 2022	12	15.08	83.09	7.9	33.47	8.1	24.8	0.98
F14	09 Feb 2022	13	15.08	83.07	7.8	33.47	8.1	24.8	1.02
F14	09 Feb 2022	14	15.08	83.06	7.8	33.47	8.1	24.8	1.05
F14	09 Feb 2022	15	15.07	82.95	7.8	33.47	8.1	24.8	1.08
F14	09 Feb 2022	16	15.06	82.96	7.9	33.47	8.1	24.8	1.13
F14	09 Feb 2022	17	15.06	82.97	7.8	33.47	8.1	24.8	1.15
F14	09 Feb 2022	18	15.05	82.98	7.8	33.47	8.1	24.8	1.19
F14	09 Feb 2022	19	15.04	83.00	7.9	33.47	8.1	24.8	1.25
F14	09 Feb 2022	20	14.97	82.91	7.9	33.47	8.1	24.8	1.42
F14	09 Feb 2022	21	14.93	82.66	7.9	33.46	8.1	24.8	1.55
F14	09 Feb 2022	22	14.92	82.65	7.9	33.46	8.0	24.8	1.63
F14	09 Feb 2022	23	14.92	82.64	7.9	33.46	8.0	24.8	1.68
F14	09 Feb 2022	24	14.92	82.60	7.8	33.46	8.0	24.8	1.73
F14	09 Feb 2022	25	14.92	82.62	7.9	33.46	8.0	24.8	1.75
F14	09 Feb 2022	26	14.92	82.61	7.8	33.46	8.0	24.8	1.81
F14	09 Feb 2022	27	14.87	82.58	7.7	33.46	8.0	24.8	1.88
F14	09 Feb 2022	28	14.81	82.45	7.7	33.46	8.0	24.8	1.99
F14	09 Feb 2022	29	14.79	82.40	7.8	33.45	8.0	24.8	2.12
F14	09 Feb 2022	30	14.74	82.34	7.7	33.45	8.0	24.8	2.21
F14	09 Feb 2022	31	14.66	82.23	7.6	33.45	8.0	24.9	2.26
F14	09 Feb 2022	32	14.57	82.14	7.5	33.45	8.0	24.9	2.34
F14	09 Feb 2022	33	14.54	82.18	7.5	33.45	8.0	24.9	2.38
F14	09 Feb 2022	34	14.50	82.13	7.4	33.45	8.0	24.9	2.41
F14	09 Feb 2022	35	14.44	82.10	7.3	33.45	8.0	24.9	2.40
F14	09 Feb 2022	36	14.34	82.13	7.2	33.45	8.0	24.9	2.33
F14	09 Feb 2022	37	14.25	82.12	7.1	33.45	8.0	24.9	2.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F14	09 Feb 2022	38	14.16	82.09	6.9	33.45	8.0	25.0	2.22
F14	09 Feb 2022	39	14.10	82.27	6.9	33.45	8.0	25.0	2.12
F14	09 Feb 2022	40	13.98	82.29	6.8	33.45	8.0	25.0	2.01
F14	09 Feb 2022	41	13.73	82.45	6.5	33.44	8.0	25.0	1.87
F14	09 Feb 2022	42	13.56	82.45	6.5	33.44	7.9	25.1	1.74
F14	09 Feb 2022	43	13.51	82.49	6.4	33.43	7.9	25.1	1.69
F14	09 Feb 2022	44	13.47	82.45	6.3	33.43	7.9	25.1	1.61
F14	09 Feb 2022	45	13.27	82.30	6.2	33.42	7.9	25.1	1.55
F14	09 Feb 2022	46	13.14	82.53	6.2	33.42	7.9	25.1	1.58
F14	09 Feb 2022	47	13.12	82.50	6.2	33.42	7.9	25.1	1.52
F14	09 Feb 2022	48	13.11	82.42	6.2	33.42	7.9	25.1	1.51
F14	09 Feb 2022	49	13.11	82.38	6.2	33.42	7.9	25.1	1.45
F14	09 Feb 2022	50	13.11	82.24	6.2	33.43	7.9	25.2	1.45
F14	09 Feb 2022	51	13.11	82.12	6.2	33.43	7.9	25.2	1.44
F14	09 Feb 2022	52	13.07	82.07	6.1	33.44	7.9	25.2	1.44
F14	09 Feb 2022	53	13.01	82.00	6.0	33.44	7.9	25.2	1.43
F14	09 Feb 2022	54	12.92	81.81	6.0	33.43	7.9	25.2	1.38
F14	09 Feb 2022	55	12.78	82.02	5.9	33.43	7.9	25.2	1.34
F14	09 Feb 2022	56	12.55	82.44	5.7	33.45	7.8	25.3	1.25
F14	09 Feb 2022	57	12.47	82.28	5.6	33.45	7.8	25.3	1.16
F14	09 Feb 2022	58	12.43	81.96	5.5	33.45	7.8	25.3	1.12
F14	09 Feb 2022	59	12.39	81.60	5.5	33.46	7.8	25.3	1.09
F14	09 Feb 2022	60	12.34	81.20	5.5	33.47	7.8	25.3	1.05
F14	09 Feb 2022	61	12.32	80.58	5.4	33.48	7.8	25.3	1.02
F15	10 Feb 2022	1	15.62	83.77	7.9	33.48	8.1	24.7	0.56
F15	10 Feb 2022	2	15.47	83.77	7.9	33.48	8.1	24.7	0.56
F15	10 Feb 2022	3	15.28	83.67	7.9	33.48	8.1	24.7	0.55
F15	10 Feb 2022	4	15.25	83.50	7.9	33.48	8.1	24.7	0.57
F15	10 Feb 2022	5	15.24	83.54	7.9	33.47	8.1	24.7	0.57
F15	10 Feb 2022	6	15.23	83.50	7.9	33.47	8.1	24.7	0.58
F15	10 Feb 2022	7	15.23	83.55	7.9	33.47	8.1	24.7	0.59
F15	10 Feb 2022	8	15.22	83.53	7.9	33.47	8.1	24.7	0.60
F15	10 Feb 2022	9	15.22	83.56	8.0	33.48	8.1	24.7	0.60
F15	10 Feb 2022	10	15.21	83.54	7.9	33.48	8.1	24.8	0.62
F15	10 Feb 2022	11	15.21	83.56	7.9	33.48	8.1	24.8	0.63
F15	10 Feb 2022	12	15.20	83.56	8.0	33.48	8.1	24.8	0.65
F15	10 Feb 2022	13	15.19	83.49	7.9	33.48	8.1	24.8	0.65
F15	10 Feb 2022	14	15.19	83.58	7.9	33.48	8.1	24.8	0.68
F15	10 Feb 2022	15	15.17	83.55	7.9	33.47	8.1	24.8	0.70
F15	10 Feb 2022	16	15.14	83.57	7.9	33.47	8.1	24.8	0.77
F15	10 Feb 2022	17	15.10	83.59	7.9	33.47	8.1	24.8	0.77
F15	10 Feb 2022	18	15.07	83.47	7.9	33.47	8.1	24.8	0.85
F15	10 Feb 2022	19	15.06	83.28	7.8	33.47	8.1	24.8	0.88
F15	10 Feb 2022	20	15.02	83.25	7.9	33.47	8.1	24.8	0.99
F15	10 Feb 2022	21	15.00	83.01	7.9	33.47	8.1	24.8	1.11
F15	10 Feb 2022	22	14.97	82.90	7.8	33.47	8.1	24.8	1.26
F15	10 Feb 2022	23	14.94	82.75	7.8	33.46	8.1	24.8	1.42
F15	10 Feb 2022	24	14.92	82.61	7.8	33.46	8.1	24.8	1.53
F15	10 Feb 2022	25	14.91	82.54	7.9	33.46	8.1	24.8	1.63
F15	10 Feb 2022	26	14.88	82.49	7.8	33.46	8.1	24.8	1.76
F15	10 Feb 2022	27	14.83	82.51	7.7	33.46	8.1	24.8	1.83
F15	10 Feb 2022	28	14.76	82.40	7.6	33.46	8.1	24.8	1.99
F15	10 Feb 2022	29	14.65	82.53	7.5	33.46	8.1	24.9	1.97
F15	10 Feb 2022	30	14.54	82.82	7.4	33.45	8.0	24.9	1.87
F15	10 Feb 2022	31	14.47	83.25	7.3	33.45	8.0	24.9	1.80
F15	10 Feb 2022	32	14.30	83.48	7.0	33.43	8.0	24.9	1.81
F15	10 Feb 2022	33	13.89	83.43	6.7	33.41	8.0	25.0	1.79
F15	10 Feb 2022	34	13.63	83.71	6.5	33.42	8.0	25.0	1.72
F15	10 Feb 2022	35	13.58	83.94	6.4	33.41	7.9	25.0	1.60
F15	10 Feb 2022	36	13.51	84.01	6.3	33.42	7.9	25.1	1.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F15	10 Feb 2022	37	13.36	83.93	6.2	33.42	7.9	25.1	1.58
F15	10 Feb 2022	38	13.13	84.12	6.2	33.42	7.9	25.1	1.49
F15	10 Feb 2022	39	12.95	84.32	6.1	33.42	7.9	25.2	1.43
F15	10 Feb 2022	40	12.87	84.39	6.1	33.42	7.9	25.2	1.35
F15	10 Feb 2022	41	12.80	84.40	6.0	33.42	7.9	25.2	1.32
F15	10 Feb 2022	42	12.76	84.47	6.0	33.42	7.9	25.2	1.31
F15	10 Feb 2022	43	12.74	84.49	6.0	33.42	7.9	25.2	1.31
F15	10 Feb 2022	44	12.69	84.56	6.0	33.43	7.9	25.2	1.28
F15	10 Feb 2022	45	12.61	84.60	5.9	33.43	7.9	25.3	1.25
F15	10 Feb 2022	46	12.49	84.66	5.8	33.44	7.9	25.3	1.22
F15	10 Feb 2022	47	12.41	84.71	5.8	33.45	7.9	25.3	1.21
F15	10 Feb 2022	48	12.37	84.68	5.8	33.45	7.9	25.3	1.20
F15	10 Feb 2022	49	12.35	84.72	5.8	33.45	7.9	25.3	1.15
F15	10 Feb 2022	50	12.35	84.68	5.8	33.45	7.9	25.3	1.18
F15	10 Feb 2022	51	12.31	84.72	5.8	33.45	7.9	25.3	1.16
F15	10 Feb 2022	52	12.25	84.75	5.7	33.46	7.8	25.3	1.13
F15	10 Feb 2022	53	12.22	84.80	5.7	33.46	7.8	25.4	1.10
F15	10 Feb 2022	54	12.19	84.81	5.7	33.47	7.8	25.4	1.07
F15	10 Feb 2022	55	12.17	84.79	5.6	33.47	7.8	25.4	1.06
F15	10 Feb 2022	56	12.07	84.86	5.6	33.48	7.8	25.4	1.09
F15	10 Feb 2022	57	12.02	84.87	5.5	33.49	7.8	25.4	1.00
F15	10 Feb 2022	58	11.94	84.86	5.4	33.50	7.8	25.4	0.95
F15	10 Feb 2022	59	11.90	84.78	5.3	33.51	7.8	25.4	0.92
F15	10 Feb 2022	60	11.86	84.72	5.3	33.51	7.8	25.5	0.85
F15	10 Feb 2022	61	11.82	84.61	5.2	33.52	7.8	25.5	0.82
F15	10 Feb 2022	62	11.80	84.53	5.2	33.52	7.8	25.5	0.80
F15	10 Feb 2022	63	11.80	84.58	5.2	33.52	7.8	25.5	0.78
F15	10 Feb 2022	64	11.79	84.56	5.2	33.52	7.8	25.5	0.76
F15	10 Feb 2022	65	11.78	84.49	5.1	33.52	7.8	25.5	0.77
F15	10 Feb 2022	66	11.77	84.51	5.2	33.53	7.8	25.5	0.75
F15	10 Feb 2022	67	11.76	84.54	5.2	33.53	7.8	25.5	0.73
F15	10 Feb 2022	68	11.75	84.57	5.2	33.53	7.8	25.5	0.73
F15	10 Feb 2022	69	11.74	84.59	5.2	33.53	7.8	25.5	0.72
F15	10 Feb 2022	70	11.74	84.59	5.2	33.53	7.8	25.5	0.73
F15	10 Feb 2022	71	11.72	84.56	5.1	33.53	7.8	25.5	0.72
F15	10 Feb 2022	72	11.71	84.45	5.1	33.54	7.8	25.5	0.71
F15	10 Feb 2022	73	11.68	84.47	5.0	33.54	7.8	25.5	0.69
F15	10 Feb 2022	74	11.65	84.37	4.9	33.55	7.8	25.5	0.67
F15	10 Feb 2022	75	11.55	84.27	4.8	33.57	7.8	25.6	0.64
F15	10 Feb 2022	76	11.40	84.05	4.5	33.61	7.8	25.6	0.58
F15	10 Feb 2022	77	11.30	83.60	4.4	33.63	7.8	25.7	0.56
F15	10 Feb 2022	78	11.24	83.21	4.3	33.65	7.7	25.7	0.61
F15	10 Feb 2022	79	11.22	82.73	4.3	33.65	7.7	25.7	0.56
F15	10 Feb 2022	80	11.19	82.55	4.3	33.66	7.7	25.7	0.52
F15	10 Feb 2022	81	11.17	81.32	4.2	33.67	7.7	25.7	0.51
F16	10 Feb 2022	1	15.56	83.55	7.9	33.48	8.1	24.7	0.61
F16	10 Feb 2022	2	15.45	83.55	7.8	33.48	8.1	24.7	0.62
F16	10 Feb 2022	3	15.24	83.58	7.9	33.48	8.1	24.7	0.62
F16	10 Feb 2022	4	15.22	83.51	7.9	33.48	8.1	24.7	0.64
F16	10 Feb 2022	5	15.21	83.50	7.9	33.47	8.1	24.8	0.67
F16	10 Feb 2022	6	15.20	83.42	7.9	33.47	8.1	24.8	0.67
F16	10 Feb 2022	7	15.20	83.46	7.9	33.47	8.1	24.8	0.67
F16	10 Feb 2022	8	15.19	83.47	7.9	33.47	8.1	24.8	0.69
F16	10 Feb 2022	9	15.18	83.47	7.9	33.47	8.1	24.8	0.69
F16	10 Feb 2022	10	15.13	83.55	7.9	33.47	8.1	24.8	0.71
F16	10 Feb 2022	11	15.08	83.58	7.9	33.47	8.1	24.8	0.75
F16	10 Feb 2022	12	15.06	83.56	7.9	33.47	8.1	24.8	0.80
F16	10 Feb 2022	13	15.04	83.44	7.9	33.47	8.1	24.8	0.89
F16	10 Feb 2022	14	15.03	83.29	8.0	33.47	8.1	24.8	0.94
F16	10 Feb 2022	15	15.00	83.23	7.9	33.47	8.1	24.8	1.04

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F16	10 Feb 2022	16	14.95	82.93	7.8	33.46	8.1	24.8	1.25
F16	10 Feb 2022	17	14.90	82.41	7.8	33.46	8.1	24.8	1.47
F16	10 Feb 2022	18	14.88	82.32	7.9	33.46	8.1	24.8	1.65
F16	10 Feb 2022	19	14.88	82.26	7.8	33.46	8.1	24.8	1.77
F16	10 Feb 2022	20	14.87	82.21	7.8	33.46	8.1	24.8	1.84
F16	10 Feb 2022	21	14.85	82.17	7.8	33.46	8.1	24.8	1.97
F16	10 Feb 2022	22	14.83	82.31	7.8	33.46	8.1	24.8	2.08
F16	10 Feb 2022	23	14.78	82.41	7.8	33.46	8.1	24.8	2.07
F16	10 Feb 2022	24	14.73	82.54	7.6	33.46	8.1	24.8	2.14
F16	10 Feb 2022	25	14.66	82.59	7.5	33.46	8.1	24.9	2.14
F16	10 Feb 2022	26	14.56	82.78	7.4	33.46	8.0	24.9	2.09
F16	10 Feb 2022	27	14.46	82.97	7.3	33.45	8.0	24.9	1.96
F16	10 Feb 2022	28	14.35	83.14	7.1	33.44	8.0	24.9	1.91
F16	10 Feb 2022	29	14.21	83.41	6.9	33.43	8.0	24.9	1.91
F16	10 Feb 2022	30	14.00	83.57	6.7	33.42	8.0	25.0	1.79
F16	10 Feb 2022	31	13.70	83.79	6.6	33.41	8.0	25.0	1.72
F16	10 Feb 2022	32	13.50	83.98	6.5	33.40	8.0	25.1	1.64
F16	10 Feb 2022	33	13.43	84.10	6.4	33.40	7.9	25.1	1.63
F16	10 Feb 2022	34	13.32	84.24	6.3	33.42	7.9	25.1	1.59
F16	10 Feb 2022	35	13.22	84.22	6.2	33.42	7.9	25.1	1.52
F16	10 Feb 2022	36	13.01	84.39	6.1	33.42	7.9	25.2	1.49
F16	10 Feb 2022	37	12.86	84.52	6.0	33.42	7.9	25.2	1.41
F16	10 Feb 2022	38	12.79	84.58	6.0	33.42	7.9	25.2	1.32
F16	10 Feb 2022	39	12.72	84.61	6.0	33.42	7.9	25.2	1.28
F16	10 Feb 2022	40	12.63	84.63	6.0	33.42	7.9	25.2	1.27
F16	10 Feb 2022	41	12.58	84.68	6.0	33.43	7.9	25.3	1.25
F16	10 Feb 2022	42	12.57	84.70	6.0	33.43	7.9	25.3	1.25
F16	10 Feb 2022	43	12.55	84.69	5.9	33.43	7.9	25.3	1.25
F16	10 Feb 2022	44	12.51	84.73	5.9	33.44	7.9	25.3	1.23
F16	10 Feb 2022	45	12.48	84.71	5.9	33.44	7.9	25.3	1.25
F16	10 Feb 2022	46	12.45	84.73	5.8	33.44	7.9	25.3	1.23
F16	10 Feb 2022	47	12.41	84.77	5.9	33.44	7.9	25.3	1.24
F16	10 Feb 2022	48	12.36	84.74	5.8	33.45	7.9	25.3	1.22
F16	10 Feb 2022	49	12.32	84.75	5.8	33.45	7.9	25.3	1.26
F16	10 Feb 2022	50	12.31	84.79	5.8	33.45	7.9	25.3	1.24
F16	10 Feb 2022	51	12.29	84.77	5.8	33.45	7.9	25.3	1.21
F16	10 Feb 2022	52	12.27	84.78	5.7	33.46	7.8	25.3	1.21
F16	10 Feb 2022	53	12.25	84.81	5.7	33.46	7.8	25.3	1.19
F16	10 Feb 2022	54	12.23	84.84	5.8	33.46	7.8	25.4	1.17
F16	10 Feb 2022	55	12.21	84.84	5.7	33.47	7.8	25.4	1.14
F16	10 Feb 2022	56	12.19	84.84	5.7	33.47	7.8	25.4	1.11
F16	10 Feb 2022	57	12.17	84.85	5.7	33.47	7.8	25.4	1.07
F16	10 Feb 2022	58	12.15	84.83	5.6	33.47	7.8	25.4	1.06
F16	10 Feb 2022	59	12.11	84.85	5.5	33.48	7.8	25.4	1.03
F16	10 Feb 2022	60	12.04	84.76	5.4	33.49	7.8	25.4	0.99
F16	10 Feb 2022	61	11.97	84.65	5.3	33.50	7.8	25.4	0.94
F16	10 Feb 2022	62	11.93	84.64	5.3	33.50	7.8	25.4	0.90
F16	10 Feb 2022	63	11.88	84.72	5.2	33.51	7.8	25.5	0.86
F16	10 Feb 2022	64	11.84	84.57	5.2	33.52	7.8	25.5	0.81
F16	10 Feb 2022	65	11.82	84.46	5.1	33.52	7.8	25.5	0.78
F16	10 Feb 2022	66	11.81	84.46	5.1	33.52	7.8	25.5	0.76
F16	10 Feb 2022	67	11.79	84.40	5.1	33.52	7.8	25.5	0.73
F16	10 Feb 2022	68	11.76	84.23	5.0	33.53	7.8	25.5	0.71
F16	10 Feb 2022	69	11.74	84.26	5.0	33.53	7.8	25.5	0.71
F16	10 Feb 2022	70	11.72	84.26	5.0	33.53	7.8	25.5	0.69
F16	10 Feb 2022	71	11.67	84.23	5.0	33.54	7.8	25.5	0.87
F16	10 Feb 2022	72	11.63	84.17	4.9	33.55	7.8	25.5	0.73
F16	10 Feb 2022	73	11.58	84.19	4.8	33.56	7.8	25.5	0.63
F16	10 Feb 2022	74	11.50	84.11	4.7	33.58	7.8	25.6	0.61
F16	10 Feb 2022	75	11.39	83.84	4.6	33.60	7.8	25.6	0.58
F16	10 Feb 2022	76	11.32	83.57	4.4	33.62	7.8	25.6	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F16	10 Feb 2022	77	11.26	83.32	4.3	33.64	7.7	25.7	0.56
F16	10 Feb 2022	78	11.21	83.05	4.3	33.65	7.7	25.7	0.53
F16	10 Feb 2022	79	11.16	82.82	4.2	33.67	7.7	25.7	0.52
F16	10 Feb 2022	80	11.13	82.27	4.2	33.68	7.7	25.7	0.51
F16	10 Feb 2022	81	11.10	81.03	4.1	33.69	7.7	25.7	0.51
F16	10 Feb 2022	82	11.14	68.63	4.2	33.68	7.7	25.7	0.50
F17	10 Feb 2022	1	15.57	83.42	7.9	33.48	8.1	24.7	0.57
F17	10 Feb 2022	2	15.50	83.56	7.8	33.48	8.1	24.7	0.55
F17	10 Feb 2022	3	15.37	83.63	7.8	33.48	8.1	24.7	0.57
F17	10 Feb 2022	4	15.26	83.51	7.9	33.48	8.1	24.7	0.57
F17	10 Feb 2022	5	15.24	83.42	7.9	33.48	8.1	24.7	0.58
F17	10 Feb 2022	6	15.23	83.41	7.8	33.48	8.1	24.7	0.60
F17	10 Feb 2022	7	15.22	83.45	7.8	33.47	8.1	24.7	0.60
F17	10 Feb 2022	8	15.20	83.39	7.9	33.47	8.1	24.8	0.62
F17	10 Feb 2022	9	15.19	83.45	7.9	33.47	8.1	24.8	0.64
F17	10 Feb 2022	10	15.18	83.47	7.8	33.47	8.1	24.8	0.63
F17	10 Feb 2022	11	15.16	83.51	7.8	33.47	8.1	24.8	0.65
F17	10 Feb 2022	12	15.15	83.51	7.9	33.47	8.1	24.8	0.67
F17	10 Feb 2022	13	15.14	83.57	7.9	33.47	8.1	24.8	0.69
F17	10 Feb 2022	14	15.13	83.57	7.8	33.47	8.1	24.8	0.73
F17	10 Feb 2022	15	15.12	83.50	7.9	33.47	8.1	24.8	0.75
F17	10 Feb 2022	16	15.12	83.46	7.9	33.47	8.1	24.8	0.80
F17	10 Feb 2022	17	15.11	83.46	7.9	33.47	8.1	24.8	0.83
F17	10 Feb 2022	18	15.10	83.42	7.9	33.47	8.1	24.8	0.90
F17	10 Feb 2022	19	15.10	83.38	7.9	33.47	8.1	24.8	0.96
F17	10 Feb 2022	20	15.09	83.36	7.9	33.47	8.1	24.8	1.02
F17	10 Feb 2022	21	15.08	83.29	7.9	33.47	8.1	24.8	1.07
F17	10 Feb 2022	22	15.06	83.18	7.9	33.47	8.1	24.8	1.16
F17	10 Feb 2022	23	14.98	82.85	7.9	33.47	8.1	24.8	1.34
F17	10 Feb 2022	24	14.93	82.34	7.9	33.46	8.1	24.8	1.69
F17	10 Feb 2022	25	14.92	82.24	7.9	33.46	8.1	24.8	1.83
F17	10 Feb 2022	26	14.92	82.26	7.9	33.46	8.1	24.8	1.92
F17	10 Feb 2022	27	14.89	82.11	7.8	33.46	8.1	24.8	2.02
F17	10 Feb 2022	28	14.84	82.19	7.8	33.46	8.1	24.8	2.06
F17	10 Feb 2022	29	14.78	82.56	7.7	33.46	8.1	24.8	2.18
F17	10 Feb 2022	30	14.71	82.59	7.5	33.46	8.1	24.8	2.24
F17	10 Feb 2022	31	14.51	82.78	7.3	33.45	8.0	24.9	2.12
F17	10 Feb 2022	32	14.36	83.08	7.2	33.44	8.0	24.9	2.11
F17	10 Feb 2022	33	14.24	83.29	7.0	33.43	8.0	24.9	2.00
F17	10 Feb 2022	34	14.04	83.47	6.9	33.42	8.0	25.0	1.94
F17	10 Feb 2022	35	13.77	83.84	6.7	33.40	8.0	25.0	1.87
F17	10 Feb 2022	36	13.51	84.05	6.5	33.38	8.0	25.0	1.67
F17	10 Feb 2022	37	13.36	84.15	6.4	33.38	7.9	25.1	1.61
F17	10 Feb 2022	38	13.27	84.20	6.4	33.38	7.9	25.1	1.65
F17	10 Feb 2022	39	13.24	84.29	6.3	33.40	7.9	25.1	1.51
F17	10 Feb 2022	40	13.17	84.33	6.3	33.41	7.9	25.1	1.47
F17	10 Feb 2022	41	13.13	84.48	6.1	33.41	7.9	25.1	1.47
F17	10 Feb 2022	42	12.83	84.62	6.0	33.42	7.9	25.2	1.39
F17	10 Feb 2022	43	12.64	84.65	5.9	33.43	7.9	25.2	1.31
F17	10 Feb 2022	44	12.58	84.64	5.9	33.43	7.9	25.3	1.25
F17	10 Feb 2022	45	12.51	84.73	5.8	33.44	7.9	25.3	1.21
F17	10 Feb 2022	46	12.39	84.73	5.8	33.45	7.9	25.3	1.23
F17	10 Feb 2022	47	12.37	84.78	5.8	33.45	7.9	25.3	1.17
F17	10 Feb 2022	48	12.35	84.79	5.8	33.45	7.9	25.3	1.14
F17	10 Feb 2022	49	12.30	84.78	5.7	33.45	7.8	25.3	1.12
F17	10 Feb 2022	50	12.28	84.80	5.7	33.46	7.8	25.3	1.10
F17	10 Feb 2022	51	12.26	84.78	5.7	33.46	7.8	25.3	1.07
F17	10 Feb 2022	52	12.23	84.76	5.7	33.46	7.8	25.4	1.06
F17	10 Feb 2022	53	12.23	84.74	5.7	33.46	7.8	25.4	1.03
F17	10 Feb 2022	54	12.20	84.74	5.6	33.47	7.8	25.4	1.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	10 Feb 2022	55	12.17	84.68	5.6	33.47	7.8	25.4	1.01
F17	10 Feb 2022	56	12.10	84.70	5.5	33.48	7.8	25.4	0.96
F17	10 Feb 2022	57	12.01	84.51	5.4	33.49	7.8	25.4	0.90
F17	10 Feb 2022	58	11.99	84.54	5.4	33.49	7.8	25.4	0.88
F17	10 Feb 2022	59	11.97	84.47	5.3	33.49	7.8	25.4	0.84
F17	10 Feb 2022	60	11.93	84.49	5.3	33.50	7.8	25.4	0.82
F17	10 Feb 2022	61	11.87	84.37	5.2	33.51	7.8	25.5	0.79
F17	10 Feb 2022	62	11.86	84.34	5.1	33.51	7.8	25.5	0.78
F17	10 Feb 2022	63	11.82	84.29	5.1	33.52	7.8	25.5	0.75
F17	10 Feb 2022	64	11.79	84.25	5.1	33.52	7.8	25.5	0.71
F17	10 Feb 2022	65	11.78	84.21	5.0	33.52	7.8	25.5	0.72
F17	10 Feb 2022	66	11.77	84.21	5.0	33.52	7.8	25.5	0.69
F17	10 Feb 2022	67	11.75	84.19	5.0	33.53	7.8	25.5	0.69
F17	10 Feb 2022	68	11.73	84.10	5.0	33.53	7.8	25.5	0.68
F17	10 Feb 2022	69	11.73	84.18	5.0	33.53	7.8	25.5	0.67
F17	10 Feb 2022	70	11.71	84.17	5.0	33.53	7.8	25.5	0.66
F17	10 Feb 2022	71	11.70	84.02	5.0	33.54	7.8	25.5	0.66
F17	10 Feb 2022	72	11.68	84.04	4.9	33.54	7.8	25.5	0.65
F17	10 Feb 2022	73	11.55	83.89	4.8	33.57	7.8	25.6	0.61
F17	10 Feb 2022	74	11.39	83.28	4.5	33.61	7.8	25.6	0.59
F17	10 Feb 2022	75	11.31	82.90	4.4	33.63	7.8	25.7	0.55
F17	10 Feb 2022	76	11.24	82.58	4.3	33.65	7.7	25.7	0.54
F17	10 Feb 2022	77	11.19	82.31	4.2	33.66	7.7	25.7	0.55
F17	10 Feb 2022	78	11.16	82.03	4.2	33.67	7.7	25.7	0.54
F17	10 Feb 2022	79	11.13	81.37	4.1	33.68	7.7	25.7	0.51
F17	10 Feb 2022	80	11.12	80.43	4.1	33.68	7.7	25.7	0.50
F17	10 Feb 2022	81	11.11	79.95	4.1	33.68	7.7	25.7	0.50
F17	10 Feb 2022	82	11.12	73.98	4.1	33.68	7.7	25.7	0.50
F18	10 Feb 2022	1	15.42	83.71	7.9	33.48	8.1	24.7	0.64
F18	10 Feb 2022	2	15.43	83.73	7.9	33.47	8.1	24.7	0.64
F18	10 Feb 2022	3	15.37	83.59	7.8	33.48	8.1	24.7	0.64
F18	10 Feb 2022	4	15.23	83.73	7.9	33.48	8.1	24.7	0.64
F18	10 Feb 2022	5	15.19	83.62	7.9	33.47	8.1	24.8	0.64
F18	10 Feb 2022	6	15.17	83.57	7.9	33.47	8.1	24.8	0.65
F18	10 Feb 2022	7	15.17	83.51	7.9	33.47	8.1	24.8	0.70
F18	10 Feb 2022	8	15.17	83.40	7.9	33.47	8.1	24.8	0.69
F18	10 Feb 2022	9	15.16	83.46	7.8	33.47	8.1	24.8	0.71
F18	10 Feb 2022	10	15.16	83.50	7.9	33.47	8.1	24.8	0.73
F18	10 Feb 2022	11	15.15	83.50	7.9	33.47	8.1	24.8	0.74
F18	10 Feb 2022	12	15.15	83.49	7.9	33.47	8.1	24.8	0.77
F18	10 Feb 2022	13	15.14	83.51	7.9	33.47	8.1	24.8	0.80
F18	10 Feb 2022	14	15.14	83.52	7.9	33.47	8.1	24.8	0.81
F18	10 Feb 2022	15	15.14	83.50	7.9	33.47	8.1	24.8	0.83
F18	10 Feb 2022	16	15.13	83.51	7.9	33.47	8.1	24.8	0.88
F18	10 Feb 2022	17	15.13	83.52	7.8	33.47	8.1	24.8	0.91
F18	10 Feb 2022	18	15.11	83.48	7.8	33.47	8.1	24.8	0.99
F18	10 Feb 2022	19	15.07	83.38	7.9	33.47	8.1	24.8	1.10
F18	10 Feb 2022	20	15.02	83.16	7.9	33.47	8.1	24.8	1.23
F18	10 Feb 2022	21	14.99	83.02	7.8	33.47	8.1	24.8	1.39
F18	10 Feb 2022	22	14.91	82.73	7.8	33.47	8.1	24.8	1.52
F18	10 Feb 2022	23	14.88	82.72	7.7	33.46	8.1	24.8	1.65
F18	10 Feb 2022	24	14.82	82.58	7.7	33.46	8.1	24.8	1.87
F18	10 Feb 2022	25	14.73	82.63	7.6	33.46	8.1	24.8	1.95
F18	10 Feb 2022	26	14.58	82.76	7.4	33.46	8.0	24.9	2.02
F18	10 Feb 2022	27	14.41	82.90	7.2	33.45	8.0	24.9	2.02
F18	10 Feb 2022	28	14.17	83.13	7.0	33.43	8.0	24.9	1.98
F18	10 Feb 2022	29	13.98	83.32	6.9	33.41	8.0	25.0	1.98
F18	10 Feb 2022	30	13.92	83.46	6.8	33.41	8.0	25.0	1.91
F18	10 Feb 2022	31	13.89	83.52	6.8	33.40	8.0	25.0	1.99
F18	10 Feb 2022	32	13.79	83.70	6.7	33.39	8.0	25.0	2.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	10 Feb 2022	33	13.60	83.81	6.5	33.39	8.0	25.0	1.85
F18	10 Feb 2022	34	13.38	84.06	6.4	33.38	7.9	25.1	1.73
F18	10 Feb 2022	35	13.29	84.20	6.4	33.37	7.9	25.1	1.72
F18	10 Feb 2022	36	13.23	84.23	6.4	33.37	7.9	25.1	1.62
F18	10 Feb 2022	37	13.15	84.33	6.4	33.38	7.9	25.1	1.54
F18	10 Feb 2022	38	13.14	84.42	6.3	33.39	7.9	25.1	1.43
F18	10 Feb 2022	39	13.12	84.46	6.2	33.39	7.9	25.1	1.41
F18	10 Feb 2022	40	13.04	84.61	6.2	33.40	7.9	25.1	1.39
F18	10 Feb 2022	41	12.92	84.59	6.2	33.40	7.9	25.2	1.40
F18	10 Feb 2022	42	12.82	84.71	6.0	33.41	7.9	25.2	1.28
F18	10 Feb 2022	43	12.75	84.78	6.0	33.42	7.9	25.2	1.29
F18	10 Feb 2022	44	12.67	84.80	5.9	33.43	7.9	25.2	1.25
F18	10 Feb 2022	45	12.61	84.75	5.9	33.43	7.9	25.3	1.24
F18	10 Feb 2022	46	12.54	84.81	5.9	33.44	7.9	25.3	1.21
F18	10 Feb 2022	47	12.50	84.84	5.8	33.44	7.9	25.3	1.19
F18	10 Feb 2022	48	12.46	84.82	5.8	33.45	7.9	25.3	1.18
F18	10 Feb 2022	49	12.42	84.93	5.8	33.45	7.9	25.3	1.16
F18	10 Feb 2022	50	12.36	84.91	5.7	33.45	7.9	25.3	1.17
F18	10 Feb 2022	51	12.34	84.92	5.7	33.45	7.8	25.3	1.13
F18	10 Feb 2022	52	12.33	84.93	5.8	33.45	7.8	25.3	1.11
F18	10 Feb 2022	53	12.32	84.93	5.8	33.45	7.8	25.3	1.10
F18	10 Feb 2022	54	12.31	84.87	5.7	33.45	7.8	25.3	1.07
F18	10 Feb 2022	55	12.27	84.78	5.7	33.46	7.8	25.3	1.07
F18	10 Feb 2022	56	12.21	84.71	5.6	33.46	7.8	25.4	1.01
F18	10 Feb 2022	57	12.14	84.56	5.5	33.47	7.8	25.4	0.97
F18	10 Feb 2022	58	12.06	84.49	5.3	33.48	7.8	25.4	0.95
F18	10 Feb 2022	59	11.97	84.50	5.2	33.49	7.8	25.4	0.89
F18	10 Feb 2022	60	11.93	84.42	5.2	33.50	7.8	25.4	0.89
F18	10 Feb 2022	61	11.89	84.36	5.2	33.50	7.8	25.4	0.83
F18	10 Feb 2022	62	11.86	84.29	5.1	33.51	7.8	25.5	0.80
F18	10 Feb 2022	63	11.82	84.30	5.1	33.52	7.8	25.5	0.77
F18	10 Feb 2022	64	11.78	84.21	5.1	33.52	7.8	25.5	0.73
F18	10 Feb 2022	65	11.75	84.14	5.0	33.53	7.8	25.5	0.70
F18	10 Feb 2022	66	11.69	83.93	4.9	33.54	7.8	25.5	0.68
F18	10 Feb 2022	67	11.67	83.90	4.8	33.54	7.8	25.5	0.67
F18	10 Feb 2022	68	11.62	83.80	4.8	33.55	7.8	25.5	0.66
F18	10 Feb 2022	69	11.57	83.66	4.8	33.56	7.8	25.5	0.63
F18	10 Feb 2022	70	11.54	83.52	4.6	33.56	7.8	25.6	0.60
F18	10 Feb 2022	71	11.40	83.17	4.5	33.60	7.8	25.6	0.57
F18	10 Feb 2022	72	11.35	82.87	4.4	33.61	7.8	25.6	0.56
F18	10 Feb 2022	73	11.32	82.87	4.4	33.62	7.7	25.6	0.54
F18	10 Feb 2022	74	11.27	82.68	4.3	33.63	7.7	25.7	0.52
F18	10 Feb 2022	75	11.23	82.39	4.2	33.65	7.7	25.7	0.53
F18	10 Feb 2022	76	11.19	82.01	4.1	33.66	7.7	25.7	0.51
F18	10 Feb 2022	77	11.15	81.50	4.0	33.67	7.7	25.7	0.51
F18	10 Feb 2022	78	11.13	80.95	4.0	33.68	7.7	25.7	0.49
F18	10 Feb 2022	79	11.10	80.27	3.9	33.68	7.7	25.7	0.50
F18	10 Feb 2022	80	11.09	79.56	3.9	33.69	7.7	25.7	0.49
F18	10 Feb 2022	81	11.09	79.35	3.9	33.69	7.7	25.7	0.49
F18	10 Feb 2022	82	11.11	73.03	3.9	33.68	7.7	25.7	0.48
F19	10 Feb 2022	1	15.29	83.18	7.9	33.47	8.1	24.7	0.62
F19	10 Feb 2022	2	15.25	83.19	7.9	33.47	8.1	24.7	0.62
F19	10 Feb 2022	3	15.23	83.18	7.9	33.47	8.1	24.7	0.63
F19	10 Feb 2022	4	15.22	83.18	7.9	33.47	8.1	24.7	0.64
F19	10 Feb 2022	5	15.21	83.20	7.9	33.47	8.1	24.7	0.64
F19	10 Feb 2022	6	15.20	83.16	7.9	33.47	8.1	24.8	0.66
F19	10 Feb 2022	7	15.19	83.17	8.0	33.47	8.1	24.8	0.66
F19	10 Feb 2022	8	15.18	83.14	7.9	33.47	8.1	24.8	0.68
F19	10 Feb 2022	9	15.15	83.09	7.9	33.47	8.1	24.8	0.71
F19	10 Feb 2022	10	15.13	83.16	7.9	33.47	8.1	24.8	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	10 Feb 2022	11	15.12	83.14	7.9	33.47	8.1	24.8	0.76
F19	10 Feb 2022	12	15.12	83.05	7.8	33.47	8.1	24.8	0.80
F19	10 Feb 2022	13	15.11	83.08	7.9	33.47	8.1	24.8	0.84
F19	10 Feb 2022	14	15.10	82.99	7.9	33.47	8.1	24.8	0.89
F19	10 Feb 2022	15	14.97	82.66	7.8	33.47	8.1	24.8	1.09
F19	10 Feb 2022	16	14.87	82.02	7.7	33.46	8.1	24.8	1.38
F19	10 Feb 2022	17	14.86	82.01	7.7	33.46	8.1	24.8	1.57
F19	10 Feb 2022	18	14.85	82.10	7.8	33.46	8.1	24.8	1.71
F19	10 Feb 2022	19	14.82	82.18	7.8	33.46	8.1	24.8	1.81
F19	10 Feb 2022	20	14.78	82.10	7.7	33.46	8.1	24.8	1.89
F19	10 Feb 2022	21	14.76	82.13	7.6	33.46	8.1	24.8	1.91
F19	10 Feb 2022	22	14.69	82.41	7.5	33.46	8.0	24.9	1.96
F19	10 Feb 2022	23	14.48	82.43	7.3	33.45	8.0	24.9	2.02
F19	10 Feb 2022	24	14.27	82.59	7.0	33.44	8.0	24.9	2.02
F19	10 Feb 2022	25	14.15	82.75	6.9	33.43	8.0	24.9	2.03
F19	10 Feb 2022	26	14.05	82.81	6.8	33.42	8.0	25.0	2.02
F19	10 Feb 2022	27	13.85	82.94	6.6	33.41	8.0	25.0	1.99
F19	10 Feb 2022	28	13.37	83.50	6.5	33.39	8.0	25.1	1.76
F19	10 Feb 2022	29	13.29	83.79	6.4	33.38	7.9	25.1	1.65
F19	10 Feb 2022	30	13.27	83.80	6.3	33.37	7.9	25.1	1.53
F19	10 Feb 2022	31	13.22	83.73	6.4	33.37	7.9	25.1	1.44
F19	10 Feb 2022	32	13.12	83.93	6.4	33.37	7.9	25.1	1.37
F19	10 Feb 2022	33	13.05	84.03	6.3	33.37	7.9	25.1	1.44
F19	10 Feb 2022	34	13.00	84.06	6.3	33.38	7.9	25.1	1.35
F19	10 Feb 2022	35	12.95	84.12	6.2	33.38	7.9	25.1	1.29
F19	10 Feb 2022	36	12.89	84.18	6.2	33.38	7.9	25.2	1.33
F19	10 Feb 2022	37	12.86	84.15	6.2	33.39	7.9	25.2	1.23
F19	10 Feb 2022	38	12.82	84.15	6.1	33.39	7.9	25.2	1.25
F19	10 Feb 2022	39	12.75	84.15	6.0	33.40	7.9	25.2	1.28
F19	10 Feb 2022	40	12.69	84.26	6.0	33.41	7.9	25.2	1.21
F19	10 Feb 2022	41	12.62	84.31	6.0	33.42	7.9	25.2	1.21
F19	10 Feb 2022	42	12.57	84.35	5.9	33.42	7.9	25.3	1.18
F19	10 Feb 2022	43	12.51	84.39	5.9	33.42	7.9	25.3	1.15
F19	10 Feb 2022	44	12.51	84.38	5.9	33.42	7.9	25.3	1.15
F19	10 Feb 2022	45	12.49	84.38	5.9	33.43	7.9	25.3	1.13
F19	10 Feb 2022	46	12.47	84.38	5.9	33.44	7.9	25.3	1.15
F19	10 Feb 2022	47	12.46	84.40	5.8	33.44	7.9	25.3	1.15
F19	10 Feb 2022	48	12.45	84.45	5.9	33.44	7.9	25.3	1.14
F19	10 Feb 2022	49	12.45	84.46	5.8	33.44	7.9	25.3	1.11
F19	10 Feb 2022	50	12.43	84.47	5.8	33.44	7.8	25.3	1.11
F19	10 Feb 2022	51	12.41	84.46	5.8	33.45	7.8	25.3	1.12
F19	10 Feb 2022	52	12.40	84.47	5.8	33.45	7.8	25.3	1.13
F19	10 Feb 2022	53	12.36	84.48	5.7	33.45	7.8	25.3	1.10
F19	10 Feb 2022	54	12.34	84.44	5.7	33.46	7.8	25.3	1.09
F19	10 Feb 2022	55	12.32	84.52	5.7	33.46	7.8	25.3	1.10
F19	10 Feb 2022	56	12.29	84.52	5.7	33.47	7.8	25.3	1.06
F19	10 Feb 2022	57	12.25	84.51	5.6	33.47	7.8	25.4	1.05
F19	10 Feb 2022	58	12.21	84.53	5.6	33.47	7.8	25.4	1.04
F19	10 Feb 2022	59	12.17	84.56	5.6	33.47	7.8	25.4	1.01
F19	10 Feb 2022	60	12.14	84.55	5.6	33.47	7.8	25.4	1.02
F19	10 Feb 2022	61	12.12	84.58	5.5	33.48	7.8	25.4	0.99
F19	10 Feb 2022	62	12.06	84.52	5.4	33.49	7.8	25.4	0.95
F19	10 Feb 2022	63	11.96	84.28	5.3	33.50	7.8	25.4	0.87
F19	10 Feb 2022	64	11.89	84.16	5.2	33.51	7.8	25.5	0.82
F19	10 Feb 2022	65	11.85	84.18	5.1	33.52	7.8	25.5	0.81
F19	10 Feb 2022	66	11.83	84.07	5.1	33.52	7.8	25.5	0.78
F19	10 Feb 2022	67	11.79	83.92	5.1	33.52	7.8	25.5	0.74
F19	10 Feb 2022	68	11.71	84.06	5.0	33.53	7.8	25.5	0.70
F19	10 Feb 2022	69	11.62	84.09	4.9	33.54	7.8	25.5	0.66
F19	10 Feb 2022	70	11.57	84.11	4.8	33.56	7.8	25.6	0.64
F19	10 Feb 2022	71	11.52	84.02	4.7	33.57	7.8	25.6	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	10 Feb 2022	72	11.41	83.67	4.5	33.60	7.8	25.6	0.57
F19	10 Feb 2022	73	11.37	83.38	4.4	33.61	7.7	25.6	0.55
F19	10 Feb 2022	74	11.31	82.92	4.3	33.62	7.7	25.6	0.53
F19	10 Feb 2022	75	11.27	82.41	4.2	33.64	7.7	25.7	0.51
F19	10 Feb 2022	76	11.25	82.06	4.2	33.65	7.7	25.7	0.49
F19	10 Feb 2022	77	11.23	81.93	4.2	33.65	7.7	25.7	0.50
F19	10 Feb 2022	78	11.22	81.94	4.2	33.65	7.7	25.7	0.50
F19	10 Feb 2022	79	11.21	81.72	4.1	33.66	7.7	25.7	0.50
F19	10 Feb 2022	80	11.20	81.68	4.1	33.66	7.7	25.7	0.50
F19	10 Feb 2022	81	11.16	81.59	4.0	33.67	7.7	25.7	0.50
F19	10 Feb 2022	82	11.11	81.32	4.0	33.69	7.7	25.7	0.47
F19	10 Feb 2022	83	11.11	63.92	3.9	33.69	7.7	25.7	0.47
F20	10 Feb 2022	1	15.45	83.44	7.9	33.48	8.1	24.7	0.58
F20	10 Feb 2022	2	15.24	83.44	8.0	33.48	8.1	24.7	0.60
F20	10 Feb 2022	3	15.20	83.26	7.9	33.47	8.1	24.8	0.61
F20	10 Feb 2022	4	15.19	83.19	7.9	33.47	8.1	24.8	0.62
F20	10 Feb 2022	5	15.17	83.22	7.9	33.47	8.1	24.8	0.62
F20	10 Feb 2022	6	15.16	83.24	7.9	33.47	8.1	24.8	0.63
F20	10 Feb 2022	7	15.16	83.24	7.9	33.47	8.1	24.8	0.63
F20	10 Feb 2022	8	15.15	83.21	7.9	33.47	8.1	24.8	0.64
F20	10 Feb 2022	9	15.15	83.21	7.9	33.47	8.1	24.8	0.67
F20	10 Feb 2022	10	15.14	83.19	7.8	33.47	8.1	24.8	0.67
F20	10 Feb 2022	11	15.14	83.19	7.9	33.47	8.1	24.8	0.68
F20	10 Feb 2022	12	15.14	83.12	7.9	33.47	8.1	24.8	0.72
F20	10 Feb 2022	13	15.13	83.20	7.9	33.47	8.1	24.8	0.75
F20	10 Feb 2022	14	15.12	83.17	7.8	33.47	8.1	24.8	0.77
F20	10 Feb 2022	15	15.12	83.14	7.8	33.47	8.1	24.8	0.80
F20	10 Feb 2022	16	15.11	83.16	7.8	33.47	8.1	24.8	0.87
F20	10 Feb 2022	17	15.10	83.16	7.8	33.47	8.1	24.8	0.93
F20	10 Feb 2022	18	14.98	82.71	7.8	33.47	8.1	24.8	1.13
F20	10 Feb 2022	19	14.86	82.19	7.7	33.46	8.1	24.8	1.48
F20	10 Feb 2022	20	14.73	82.10	7.7	33.46	8.1	24.8	1.74
F20	10 Feb 2022	21	14.71	82.15	7.7	33.45	8.1	24.8	2.00
F20	10 Feb 2022	22	14.71	82.31	7.6	33.45	8.0	24.8	1.84
F20	10 Feb 2022	23	14.70	82.39	7.6	33.45	8.0	24.8	1.92
F20	10 Feb 2022	24	14.68	82.42	7.6	33.46	8.0	24.9	2.00
F20	10 Feb 2022	25	14.61	82.42	7.5	33.46	8.0	24.9	2.09
F20	10 Feb 2022	26	14.50	82.46	7.4	33.46	8.0	24.9	2.08
F20	10 Feb 2022	27	14.42	82.59	7.2	33.45	8.0	24.9	2.05
F20	10 Feb 2022	28	14.25	82.71	7.1	33.44	8.0	24.9	2.05
F20	10 Feb 2022	29	14.13	82.70	7.0	33.43	8.0	24.9	1.99
F20	10 Feb 2022	30	14.02	82.87	6.9	33.42	8.0	25.0	1.93
F20	10 Feb 2022	31	13.89	82.91	6.8	33.41	8.0	25.0	1.94
F20	10 Feb 2022	32	13.74	82.97	6.6	33.40	8.0	25.0	1.95
F20	10 Feb 2022	33	13.51	83.35	6.5	33.39	8.0	25.0	1.82
F20	10 Feb 2022	34	13.34	83.56	6.4	33.38	7.9	25.1	1.63
F20	10 Feb 2022	35	13.18	83.70	6.3	33.38	7.9	25.1	1.55
F20	10 Feb 2022	36	13.17	83.76	6.3	33.38	7.9	25.1	1.48
F20	10 Feb 2022	37	13.16	83.67	6.3	33.38	7.9	25.1	1.53
F20	10 Feb 2022	38	13.14	83.79	6.3	33.38	7.9	25.1	1.43
F20	10 Feb 2022	39	13.14	83.73	6.3	33.38	7.9	25.1	1.43
F20	10 Feb 2022	40	13.10	83.85	6.3	33.38	7.9	25.1	1.41
F20	10 Feb 2022	41	13.06	83.85	6.2	33.38	7.9	25.1	1.41
F20	10 Feb 2022	42	13.00	83.88	6.2	33.38	7.9	25.1	1.39
F20	10 Feb 2022	43	12.95	84.00	6.2	33.38	7.9	25.2	1.32
F20	10 Feb 2022	44	12.93	83.95	6.1	33.39	7.9	25.2	1.26
F20	10 Feb 2022	45	12.91	83.98	6.1	33.39	7.9	25.2	1.26
F20	10 Feb 2022	46	12.80	84.15	6.1	33.40	7.9	25.2	1.21
F20	10 Feb 2022	47	12.75	84.23	6.1	33.40	7.9	25.2	1.25
F20	10 Feb 2022	48	12.71	84.18	6.1	33.40	7.9	25.2	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F20	10 Feb 2022	49	12.68	84.30	6.1	33.41	7.9	25.2	1.23
F20	10 Feb 2022	50	12.65	84.33	6.0	33.41	7.9	25.2	1.21
F20	10 Feb 2022	51	12.62	84.34	6.0	33.41	7.9	25.2	1.15
F20	10 Feb 2022	52	12.59	84.37	6.0	33.42	7.9	25.2	1.11
F20	10 Feb 2022	53	12.50	84.40	5.9	33.43	7.9	25.3	1.12
F20	10 Feb 2022	54	12.34	84.38	5.8	33.45	7.8	25.3	1.07
F20	10 Feb 2022	55	12.30	84.44	5.7	33.45	7.8	25.3	1.07
F20	10 Feb 2022	56	12.20	84.43	5.6	33.47	7.8	25.4	1.04
F20	10 Feb 2022	57	12.15	84.53	5.6	33.47	7.8	25.4	1.00
F20	10 Feb 2022	58	12.00	84.45	5.4	33.50	7.8	25.4	0.96
F20	10 Feb 2022	59	11.90	84.41	5.2	33.52	7.8	25.5	0.86
F20	10 Feb 2022	60	11.84	84.28	5.1	33.52	7.8	25.5	0.78
F20	10 Feb 2022	61	11.80	84.30	5.1	33.53	7.8	25.5	0.73
F20	10 Feb 2022	62	11.70	84.37	5.0	33.55	7.8	25.5	0.71
F20	10 Feb 2022	63	11.59	84.15	4.8	33.57	7.8	25.6	0.65
F20	10 Feb 2022	64	11.47	83.82	4.6	33.58	7.8	25.6	0.59
F20	10 Feb 2022	65	11.43	83.49	4.5	33.58	7.8	25.6	0.59
F20	10 Feb 2022	66	11.41	83.42	4.4	33.58	7.7	25.6	0.57
F20	10 Feb 2022	67	11.40	83.28	4.4	33.59	7.7	25.6	0.53
F20	10 Feb 2022	68	11.40	83.04	4.5	33.59	7.7	25.6	0.52
F20	10 Feb 2022	69	11.39	82.67	4.4	33.60	7.7	25.6	0.51
F20	10 Feb 2022	70	11.34	82.49	4.4	33.61	7.7	25.6	0.52
F20	10 Feb 2022	71	11.31	82.55	4.3	33.61	7.7	25.6	0.50
F20	10 Feb 2022	72	11.28	82.74	4.2	33.62	7.7	25.6	0.51
F20	10 Feb 2022	73	11.24	82.70	4.1	33.64	7.7	25.7	0.48
F20	10 Feb 2022	74	11.20	82.78	4.0	33.66	7.7	25.7	0.47
F20	10 Feb 2022	75	11.17	82.14	4.0	33.66	7.7	25.7	0.46
F20	10 Feb 2022	76	11.15	81.58	3.9	33.67	7.7	25.7	0.46
F20	10 Feb 2022	77	11.13	81.60	3.9	33.68	7.7	25.7	0.48
F20	10 Feb 2022	78	11.12	81.66	3.9	33.69	7.7	25.7	0.47
F20	10 Feb 2022	79	11.11	81.46	3.9	33.69	7.7	25.7	0.47
F20	10 Feb 2022	80	11.10	81.50	3.9	33.70	7.7	25.7	0.47
F20	10 Feb 2022	81	11.09	81.75	3.9	33.70	7.7	25.7	0.47
F20	10 Feb 2022	82	11.09	81.58	3.9	33.70	7.7	25.7	0.47
F20	10 Feb 2022	83	11.10	52.78	3.9	33.70	7.7	25.7	0.48
F21	10 Feb 2022	1	15.38	83.36	7.9	33.48	8.1	24.7	0.64
F21	10 Feb 2022	2	15.36	83.40	7.9	33.48	8.1	24.7	0.64
F21	10 Feb 2022	3	15.29	83.29	7.9	33.48	8.1	24.7	0.64
F21	10 Feb 2022	4	15.28	83.19	7.8	33.47	8.1	24.7	0.65
F21	10 Feb 2022	5	15.27	83.34	7.9	33.47	8.1	24.7	0.67
F21	10 Feb 2022	6	15.27	83.38	7.9	33.47	8.1	24.7	0.66
F21	10 Feb 2022	7	15.27	83.29	7.9	33.47	8.1	24.7	0.68
F21	10 Feb 2022	8	15.27	83.33	7.9	33.47	8.1	24.7	0.68
F21	10 Feb 2022	9	15.26	83.40	7.9	33.47	8.1	24.7	0.69
F21	10 Feb 2022	10	15.25	83.46	7.8	33.47	8.1	24.7	0.70
F21	10 Feb 2022	11	15.24	83.40	7.9	33.47	8.1	24.7	0.72
F21	10 Feb 2022	12	15.23	83.47	7.9	33.47	8.1	24.7	0.74
F21	10 Feb 2022	13	15.22	83.47	7.9	33.47	8.1	24.7	0.77
F21	10 Feb 2022	14	15.22	83.48	7.9	33.47	8.1	24.7	0.77
F21	10 Feb 2022	15	15.21	83.48	7.9	33.47	8.1	24.8	0.81
F21	10 Feb 2022	16	15.21	83.46	7.9	33.47	8.1	24.8	0.82
F21	10 Feb 2022	17	15.20	83.47	7.9	33.47	8.1	24.8	0.83
F21	10 Feb 2022	18	15.20	83.42	7.8	33.47	8.1	24.8	0.82
F21	10 Feb 2022	19	15.19	83.47	7.9	33.47	8.1	24.8	0.82
F21	10 Feb 2022	20	15.17	83.53	7.8	33.47	8.1	24.8	0.85
F21	10 Feb 2022	21	15.13	83.48	7.8	33.47	8.1	24.8	0.91
F21	10 Feb 2022	22	15.09	83.40	7.8	33.47	8.1	24.8	1.02
F21	10 Feb 2022	23	14.95	83.12	7.7	33.46	8.1	24.8	1.31
F21	10 Feb 2022	24	14.72	82.46	7.7	33.46	8.1	24.8	1.72
F21	10 Feb 2022	25	14.65	82.15	7.6	33.45	8.0	24.9	2.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F21	10 Feb 2022	26	14.61	82.23	7.6	33.45	8.0	24.9	2.12
F21	10 Feb 2022	27	14.59	82.26	7.6	33.45	8.0	24.9	2.24
F21	10 Feb 2022	28	14.58	82.33	7.5	33.45	8.0	24.9	2.20
F21	10 Feb 2022	29	14.52	82.42	7.4	33.45	8.0	24.9	2.22
F21	10 Feb 2022	30	14.40	82.50	7.2	33.45	8.0	24.9	2.16
F21	10 Feb 2022	31	14.24	82.54	7.0	33.45	8.0	24.9	2.10
F21	10 Feb 2022	32	14.07	82.59	6.8	33.45	8.0	25.0	2.04
F21	10 Feb 2022	33	13.81	82.98	6.6	33.43	8.0	25.0	1.96
F21	10 Feb 2022	34	13.70	83.16	6.5	33.41	8.0	25.0	1.88
F21	10 Feb 2022	35	13.56	83.25	6.5	33.40	7.9	25.0	1.83
F21	10 Feb 2022	36	13.38	83.46	6.4	33.39	7.9	25.1	1.76
F21	10 Feb 2022	37	13.29	83.59	6.4	33.38	7.9	25.1	1.64
F21	10 Feb 2022	38	13.13	83.66	6.3	33.38	7.9	25.1	1.60
F21	10 Feb 2022	39	13.00	83.87	6.2	33.38	7.9	25.1	1.55
F21	10 Feb 2022	40	12.97	83.96	6.2	33.38	7.9	25.1	1.47
F21	10 Feb 2022	41	12.96	83.96	6.2	33.38	7.9	25.1	1.59
F21	10 Feb 2022	42	12.96	83.95	6.2	33.39	7.9	25.2	1.37
F21	10 Feb 2022	43	12.95	83.96	6.1	33.39	7.9	25.2	1.34
F21	10 Feb 2022	44	12.87	83.95	6.1	33.39	7.9	25.2	1.36
F21	10 Feb 2022	45	12.86	83.97	6.1	33.40	7.9	25.2	1.33
F21	10 Feb 2022	46	12.84	84.03	6.0	33.40	7.9	25.2	1.34
F21	10 Feb 2022	47	12.80	84.04	6.0	33.40	7.9	25.2	1.33
F21	10 Feb 2022	48	12.76	84.06	6.0	33.40	7.9	25.2	1.33
F21	10 Feb 2022	49	12.70	84.09	6.0	33.40	7.9	25.2	1.27
F21	10 Feb 2022	50	12.65	84.14	6.0	33.41	7.9	25.2	1.26
F21	10 Feb 2022	51	12.60	84.15	5.9	33.42	7.9	25.2	1.20
F21	10 Feb 2022	52	12.55	84.19	5.8	33.42	7.9	25.3	1.18
F21	10 Feb 2022	53	12.47	84.29	5.8	33.43	7.8	25.3	1.11
F21	10 Feb 2022	54	12.46	84.31	5.8	33.43	7.8	25.3	1.11
F21	10 Feb 2022	55	12.43	84.34	5.8	33.43	7.8	25.3	1.07
F21	10 Feb 2022	56	12.39	84.38	5.8	33.44	7.8	25.3	1.06
F21	10 Feb 2022	57	12.36	84.44	5.8	33.44	7.8	25.3	1.02
F21	10 Feb 2022	58	12.30	84.43	5.7	33.45	7.8	25.3	1.07
F21	10 Feb 2022	59	12.27	84.45	5.7	33.46	7.8	25.3	1.01
F21	10 Feb 2022	60	12.16	84.45	5.6	33.47	7.8	25.4	0.98
F21	10 Feb 2022	61	12.08	84.53	5.5	33.48	7.8	25.4	0.97
F21	10 Feb 2022	62	11.96	84.57	5.4	33.51	7.8	25.4	0.91
F21	10 Feb 2022	63	11.79	84.43	5.1	33.53	7.8	25.5	0.83
F21	10 Feb 2022	64	11.71	84.33	4.9	33.54	7.8	25.5	0.77
F21	10 Feb 2022	65	11.67	84.14	4.8	33.55	7.8	25.5	0.68
F21	10 Feb 2022	66	11.53	83.71	4.6	33.57	7.8	25.6	0.61
F21	10 Feb 2022	67	11.47	83.48	4.5	33.59	7.8	25.6	0.58
F21	10 Feb 2022	68	11.41	83.38	4.5	33.60	7.8	25.6	0.56
F21	10 Feb 2022	69	11.39	83.27	4.4	33.61	7.7	25.6	0.53
F21	10 Feb 2022	70	11.36	82.76	4.3	33.62	7.7	25.6	0.53
F21	10 Feb 2022	71	11.31	82.67	4.3	33.62	7.7	25.6	0.51
F21	10 Feb 2022	72	11.29	82.67	4.2	33.62	7.7	25.6	0.49
F21	10 Feb 2022	73	11.28	82.56	4.2	33.62	7.7	25.7	0.50
F21	10 Feb 2022	74	11.25	82.46	4.1	33.62	7.7	25.7	0.48
F21	10 Feb 2022	75	11.21	82.51	4.0	33.62	7.7	25.7	0.49
F21	10 Feb 2022	76	11.20	82.59	4.0	33.62	7.7	25.7	0.48
F21	10 Feb 2022	77	11.24	82.71	4.0	33.64	7.7	25.7	0.48
F21	10 Feb 2022	78	11.21	82.75	4.0	33.65	7.7	25.7	0.48
F21	10 Feb 2022	79	11.19	82.73	4.0	33.66	7.7	25.7	0.51
F21	10 Feb 2022	80	11.19	82.60	4.0	33.67	7.7	25.7	0.50
F21	10 Feb 2022	81	11.18	82.43	4.0	33.67	7.7	25.7	0.50
F21	10 Feb 2022	82	11.18	82.31	4.0	33.68	7.7	25.7	0.51
F21	10 Feb 2022	83	11.18	82.42	4.0	33.68	7.7	25.7	0.51
F21	10 Feb 2022	84	11.18	60.67	4.0	33.68	7.7	25.7	0.51
F22	10 Feb 2022	1	15.38	83.62	7.9	33.48	8.1	24.7	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F22	10 Feb 2022	2	15.33	83.56	7.9	33.48	8.1	24.7	0.58
F22	10 Feb 2022	3	15.30	83.49	7.9	33.48	8.1	24.7	0.59
F22	10 Feb 2022	4	15.29	83.54	7.9	33.48	8.1	24.7	0.59
F22	10 Feb 2022	5	15.28	83.51	7.8	33.47	8.1	24.7	0.58
F22	10 Feb 2022	6	15.28	83.56	7.8	33.47	8.1	24.7	0.60
F22	10 Feb 2022	7	15.27	83.57	7.8	33.48	8.1	24.7	0.61
F22	10 Feb 2022	8	15.27	83.56	7.9	33.47	8.1	24.7	0.60
F22	10 Feb 2022	9	15.27	83.52	7.9	33.48	8.1	24.7	0.63
F22	10 Feb 2022	10	15.27	83.61	7.9	33.48	8.1	24.7	0.65
F22	10 Feb 2022	11	15.26	83.63	7.8	33.48	8.1	24.7	0.67
F22	10 Feb 2022	12	15.25	83.66	7.9	33.48	8.1	24.7	0.68
F22	10 Feb 2022	13	15.23	83.64	7.9	33.47	8.1	24.7	0.70
F22	10 Feb 2022	14	15.18	83.61	7.8	33.47	8.1	24.8	0.73
F22	10 Feb 2022	15	15.08	83.52	7.8	33.47	8.1	24.8	0.78
F22	10 Feb 2022	16	15.06	83.37	7.9	33.47	8.1	24.8	0.85
F22	10 Feb 2022	17	15.06	83.30	7.9	33.47	8.1	24.8	0.89
F22	10 Feb 2022	18	15.03	83.29	7.8	33.47	8.1	24.8	1.00
F22	10 Feb 2022	19	15.01	83.14	7.9	33.47	8.1	24.8	1.06
F22	10 Feb 2022	20	14.98	83.05	7.9	33.47	8.1	24.8	1.17
F22	10 Feb 2022	21	14.92	82.90	7.7	33.46	8.1	24.8	1.30
F22	10 Feb 2022	22	14.84	82.72	7.6	33.46	8.1	24.8	1.45
F22	10 Feb 2022	23	14.68	82.42	7.7	33.45	8.0	24.8	1.71
F22	10 Feb 2022	24	14.62	82.18	7.5	33.45	8.0	24.9	1.95
F22	10 Feb 2022	25	14.48	82.20	7.4	33.44	8.0	24.9	2.07
F22	10 Feb 2022	26	14.44	82.23	7.4	33.44	8.0	24.9	2.13
F22	10 Feb 2022	27	14.44	82.31	7.4	33.44	8.0	24.9	2.25
F22	10 Feb 2022	28	14.40	82.35	7.3	33.44	8.0	24.9	2.24
F22	10 Feb 2022	29	14.35	82.42	7.3	33.45	8.0	24.9	2.29
F22	10 Feb 2022	30	14.33	82.40	7.2	33.45	8.0	24.9	2.35
F22	10 Feb 2022	31	14.24	82.44	7.1	33.45	8.0	24.9	2.35
F22	10 Feb 2022	32	14.10	82.54	6.9	33.45	8.0	25.0	2.27
F22	10 Feb 2022	33	13.97	82.77	6.7	33.45	8.0	25.0	2.19
F22	10 Feb 2022	34	13.82	83.00	6.6	33.44	8.0	25.0	2.07
F22	10 Feb 2022	35	13.56	83.34	6.4	33.42	7.9	25.1	1.91
F22	10 Feb 2022	36	13.50	83.38	6.3	33.43	7.9	25.1	1.84
F22	10 Feb 2022	37	13.36	83.48	6.2	33.42	7.9	25.1	1.76
F22	10 Feb 2022	38	13.10	83.76	6.1	33.40	7.9	25.1	1.59
F22	10 Feb 2022	39	12.94	83.95	6.0	33.40	7.9	25.2	1.51
F22	10 Feb 2022	40	12.74	84.11	6.0	33.40	7.9	25.2	1.42
F22	10 Feb 2022	41	12.59	84.11	5.9	33.41	7.9	25.2	1.33
F22	10 Feb 2022	42	12.55	84.07	5.8	33.41	7.9	25.2	1.21
F22	10 Feb 2022	43	12.54	84.06	5.8	33.41	7.9	25.3	1.17
F22	10 Feb 2022	44	12.54	84.08	5.8	33.41	7.9	25.3	1.14
F22	10 Feb 2022	45	12.50	84.09	5.8	33.42	7.8	25.3	1.12
F22	10 Feb 2022	46	12.45	84.15	5.8	33.43	7.8	25.3	1.12
F22	10 Feb 2022	47	12.37	84.22	5.7	33.44	7.8	25.3	1.12
F22	10 Feb 2022	48	12.31	84.21	5.6	33.45	7.8	25.3	1.14
F22	10 Feb 2022	49	12.25	84.36	5.6	33.45	7.8	25.3	1.09
F22	10 Feb 2022	50	12.24	84.27	5.6	33.46	7.8	25.3	1.00
F22	10 Feb 2022	51	12.22	84.40	5.6	33.46	7.8	25.4	0.99
F22	10 Feb 2022	52	12.20	84.39	5.6	33.46	7.8	25.4	0.97
F22	10 Feb 2022	53	12.18	84.43	5.5	33.47	7.8	25.4	0.96
F22	10 Feb 2022	54	12.11	84.37	5.4	33.48	7.8	25.4	0.93
F22	10 Feb 2022	55	12.03	84.46	5.4	33.49	7.8	25.4	0.91
F22	10 Feb 2022	56	12.00	84.43	5.3	33.50	7.8	25.4	0.86
F22	10 Feb 2022	57	11.97	84.44	5.3	33.50	7.8	25.4	0.83
F22	10 Feb 2022	58	11.94	84.37	5.2	33.51	7.8	25.4	0.81
F22	10 Feb 2022	59	11.90	84.32	5.2	33.52	7.8	25.5	0.79
F22	10 Feb 2022	60	11.88	84.32	5.2	33.52	7.8	25.5	0.78
F22	10 Feb 2022	61	11.87	84.27	5.2	33.52	7.8	25.5	0.75
F22	10 Feb 2022	62	11.87	84.30	5.2	33.52	7.8	25.5	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F22	10 Feb 2022	63	11.86	84.21	5.1	33.53	7.8	25.5	0.73
F22	10 Feb 2022	64	11.81	84.07	5.1	33.53	7.8	25.5	0.71
F22	10 Feb 2022	65	11.77	83.97	5.0	33.54	7.8	25.5	0.70
F22	10 Feb 2022	66	11.76	84.11	5.0	33.55	7.8	25.5	0.68
F22	10 Feb 2022	67	11.75	84.18	5.0	33.55	7.8	25.5	0.67
F22	10 Feb 2022	68	11.73	84.18	5.0	33.55	7.8	25.5	0.68
F22	10 Feb 2022	69	11.71	84.09	5.0	33.56	7.8	25.5	0.65
F22	10 Feb 2022	70	11.71	84.05	4.9	33.56	7.8	25.5	0.66
F22	10 Feb 2022	71	11.68	83.67	4.9	33.56	7.8	25.5	0.63
F22	10 Feb 2022	72	11.65	83.19	4.9	33.57	7.8	25.5	0.64
F22	10 Feb 2022	73	11.65	82.88	4.9	33.57	7.8	25.5	0.62
F22	10 Feb 2022	74	11.64	82.81	4.8	33.57	7.8	25.5	0.64
F22	10 Feb 2022	75	11.63	82.78	4.8	33.57	7.8	25.5	0.62
F22	10 Feb 2022	76	11.63	82.72	4.8	33.57	7.8	25.5	0.61
F22	10 Feb 2022	77	11.63	82.62	4.8	33.57	7.8	25.5	0.62
F22	10 Feb 2022	78	11.61	82.25	4.8	33.58	7.8	25.6	0.61
F22	10 Feb 2022	79	11.55	81.09	4.7	33.59	7.8	25.6	0.61
F22	10 Feb 2022	80	11.50	80.50	4.6	33.61	7.8	25.6	0.60
F22	10 Feb 2022	81	11.42	79.65	4.5	33.63	7.7	25.6	0.59
F22	10 Feb 2022	82	11.43	47.35	4.5	33.63	7.7	25.6	0.57
F23	10 Feb 2022	1	15.35	83.10	8.0	33.48	8.1	24.7	0.61
F23	10 Feb 2022	2	15.32	82.71	7.9	33.48	8.1	24.7	0.59
F23	10 Feb 2022	3	15.32	83.26	7.9	33.48	8.1	24.7	0.61
F23	10 Feb 2022	4	15.24	83.26	8.0	33.48	8.1	24.7	0.61
F23	10 Feb 2022	5	15.23	83.30	8.0	33.48	8.1	24.7	0.60
F23	10 Feb 2022	6	15.22	83.36	8.0	33.48	8.1	24.8	0.62
F23	10 Feb 2022	7	15.20	83.40	8.0	33.48	8.1	24.8	0.61
F23	10 Feb 2022	8	15.18	83.47	8.0	33.48	8.1	24.8	0.63
F23	10 Feb 2022	9	15.16	83.38	8.0	33.48	8.1	24.8	0.64
F23	10 Feb 2022	10	15.10	83.45	7.9	33.48	8.1	24.8	0.66
F23	10 Feb 2022	11	15.04	83.38	8.0	33.47	8.1	24.8	0.71
F23	10 Feb 2022	12	15.02	83.37	7.8	33.47	8.1	24.8	0.71
F23	10 Feb 2022	13	14.94	83.32	7.9	33.47	8.1	24.8	0.74
F23	10 Feb 2022	14	14.92	83.40	7.9	33.47	8.1	24.8	0.77
F23	10 Feb 2022	15	14.87	83.29	7.9	33.47	8.1	24.8	0.83
F23	10 Feb 2022	16	14.81	83.04	7.8	33.47	8.1	24.8	0.91
F23	10 Feb 2022	17	14.72	82.98	7.7	33.46	8.1	24.8	1.07
F23	10 Feb 2022	18	14.65	82.82	7.6	33.46	8.0	24.9	1.25
F23	10 Feb 2022	19	14.60	82.57	7.6	33.45	8.0	24.9	1.45
F23	10 Feb 2022	20	14.58	82.50	7.5	33.45	8.0	24.9	1.56
F23	10 Feb 2022	21	14.56	82.48	7.5	33.45	8.0	24.9	1.65
F23	10 Feb 2022	22	14.52	82.52	7.5	33.45	8.0	24.9	1.77
F23	10 Feb 2022	23	14.47	82.59	7.4	33.45	8.0	24.9	1.97
F23	10 Feb 2022	24	14.37	82.58	7.2	33.44	8.0	24.9	2.06
F23	10 Feb 2022	25	14.14	82.45	7.1	33.44	8.0	25.0	2.13
F23	10 Feb 2022	26	14.09	82.35	7.0	33.44	8.0	25.0	2.27
F23	10 Feb 2022	27	14.06	82.21	6.9	33.44	8.0	25.0	2.29
F23	10 Feb 2022	28	14.02	82.30	6.8	33.44	8.0	25.0	2.33
F23	10 Feb 2022	29	13.98	82.21	6.8	33.45	8.0	25.0	2.39
F23	10 Feb 2022	30	13.89	82.26	6.6	33.45	8.0	25.0	2.41
F23	10 Feb 2022	31	13.80	82.49	6.5	33.45	8.0	25.0	2.34
F23	10 Feb 2022	32	13.72	82.62	6.5	33.45	7.9	25.0	2.29
F23	10 Feb 2022	33	13.68	82.68	6.4	33.45	7.9	25.1	2.23
F23	10 Feb 2022	34	13.62	82.83	6.3	33.46	7.9	25.1	2.15
F23	10 Feb 2022	35	13.50	82.94	6.2	33.46	7.9	25.1	2.07
F23	10 Feb 2022	36	13.38	83.10	6.1	33.47	7.9	25.1	1.95
F23	10 Feb 2022	37	13.31	83.18	5.9	33.47	7.9	25.1	1.82
F23	10 Feb 2022	38	13.13	83.29	5.8	33.46	7.9	25.2	1.69
F23	10 Feb 2022	39	12.96	83.40	5.8	33.47	7.9	25.2	1.55
F23	10 Feb 2022	40	12.94	83.53	5.8	33.46	7.9	25.2	1.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F23	10 Feb 2022	41	12.71	83.64	5.7	33.46	7.9	25.3	1.38
F23	10 Feb 2022	42	12.66	83.53	5.7	33.46	7.8	25.3	1.33
F23	10 Feb 2022	43	12.65	83.65	5.7	33.46	7.8	25.3	1.28
F23	10 Feb 2022	44	12.58	83.59	5.7	33.46	7.8	25.3	1.23
F23	10 Feb 2022	45	12.45	83.56	5.6	33.46	7.8	25.3	1.20
F23	10 Feb 2022	46	12.43	83.60	5.5	33.46	7.8	25.3	1.16
F23	10 Feb 2022	47	12.42	83.65	5.6	33.46	7.8	25.3	1.14
F23	10 Feb 2022	48	12.38	83.63	5.6	33.46	7.8	25.3	1.09
F23	10 Feb 2022	49	12.28	83.62	5.5	33.47	7.8	25.3	1.07
F23	10 Feb 2022	50	12.25	83.65	5.5	33.47	7.8	25.4	1.04
F23	10 Feb 2022	51	12.23	83.69	5.5	33.47	7.8	25.4	1.04
F23	10 Feb 2022	52	12.23	83.77	5.5	33.47	7.8	25.4	1.00
F23	10 Feb 2022	53	12.21	83.83	5.5	33.47	7.8	25.4	1.01
F23	10 Feb 2022	54	12.19	83.80	5.5	33.47	7.8	25.4	0.99
F23	10 Feb 2022	55	12.18	83.80	5.5	33.48	7.8	25.4	0.98
F23	10 Feb 2022	56	12.16	83.85	5.5	33.48	7.8	25.4	0.97
F23	10 Feb 2022	57	12.13	83.83	5.4	33.48	7.8	25.4	0.95
F23	10 Feb 2022	58	12.10	83.87	5.4	33.48	7.8	25.4	0.94
F23	10 Feb 2022	59	12.10	83.87	5.4	33.48	7.8	25.4	0.91
F23	10 Feb 2022	60	12.10	83.85	5.4	33.48	7.8	25.4	0.92
F23	10 Feb 2022	61	12.04	83.73	5.3	33.49	7.8	25.4	0.89
F23	10 Feb 2022	62	11.99	83.42	5.2	33.50	7.8	25.4	0.84
F23	10 Feb 2022	63	11.96	83.33	5.2	33.51	7.8	25.4	0.81
F23	10 Feb 2022	64	11.94	83.51	5.2	33.51	7.8	25.4	0.82
F23	10 Feb 2022	65	11.91	83.66	5.2	33.52	7.8	25.5	0.80
F23	10 Feb 2022	66	11.87	83.75	5.2	33.52	7.8	25.5	0.79
F23	10 Feb 2022	67	11.84	83.84	5.2	33.53	7.8	25.5	0.77
F23	10 Feb 2022	68	11.83	83.91	5.2	33.53	7.8	25.5	0.75
F23	10 Feb 2022	69	11.83	83.89	5.2	33.53	7.8	25.5	0.74
F23	10 Feb 2022	70	11.81	83.87	5.1	33.54	7.8	25.5	0.75
F23	10 Feb 2022	71	11.80	83.81	5.2	33.54	7.8	25.5	0.73
F23	10 Feb 2022	72	11.80	83.79	5.2	33.54	7.8	25.5	0.73
F23	10 Feb 2022	73	11.79	83.75	5.1	33.54	7.8	25.5	0.74
F23	10 Feb 2022	74	11.78	83.71	5.1	33.54	7.8	25.5	0.74
F23	10 Feb 2022	75	11.75	83.66	5.1	33.55	7.8	25.5	0.72
F23	10 Feb 2022	76	11.70	83.58	5.0	33.56	7.8	25.5	0.70
F23	10 Feb 2022	77	11.66	83.43	4.9	33.57	7.8	25.5	0.68
F23	10 Feb 2022	78	11.65	83.13	4.9	33.57	7.8	25.5	0.67
F23	10 Feb 2022	79	11.62	82.41	4.9	33.58	7.8	25.6	0.65
F23	10 Feb 2022	80	11.59	81.82	4.8	33.59	7.8	25.6	0.64
F23	10 Feb 2022	81	11.52	81.29	4.6	33.61	7.8	25.6	0.63
F23	10 Feb 2022	82	11.41	80.11	4.5	33.65	7.7	25.6	0.60
F23	10 Feb 2022	83	11.45	80.45	4.6	33.63	7.7	25.6	0.58
F24	10 Feb 2022	1	15.31	82.46	8.0	33.48	8.1	24.7	0.56
F24	10 Feb 2022	2	15.29	81.67	7.9	33.48	8.1	24.7	0.56
F24	10 Feb 2022	3	15.26	83.20	7.9	33.48	8.1	24.7	0.58
F24	10 Feb 2022	4	15.26	83.25	8.0	33.48	8.1	24.7	0.58
F24	10 Feb 2022	5	15.26	83.25	7.9	33.48	8.1	24.7	0.58
F24	10 Feb 2022	6	15.24	83.23	7.9	33.48	8.1	24.7	0.59
F24	10 Feb 2022	7	15.22	83.29	7.9	33.48	8.1	24.8	0.58
F24	10 Feb 2022	8	15.15	83.39	7.9	33.48	8.1	24.8	0.62
F24	10 Feb 2022	9	15.10	83.37	7.9	33.48	8.1	24.8	0.61
F24	10 Feb 2022	10	15.05	83.38	7.9	33.48	8.1	24.8	0.60
F24	10 Feb 2022	11	15.02	83.49	8.0	33.48	8.1	24.8	0.61
F24	10 Feb 2022	12	15.00	83.30	7.9	33.48	8.1	24.8	0.59
F24	10 Feb 2022	13	14.99	83.30	7.9	33.48	8.1	24.8	0.61
F24	10 Feb 2022	14	14.97	83.53	7.9	33.48	8.1	24.8	0.59
F24	10 Feb 2022	15	14.94	83.69	7.9	33.48	8.1	24.8	0.61
F24	10 Feb 2022	16	14.87	83.65	7.9	33.47	8.1	24.8	0.66
F24	10 Feb 2022	17	14.82	83.27	7.8	33.47	8.1	24.8	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F24	10 Feb 2022	18	14.78	82.92	7.8	33.47	8.0	24.8	1.04
F24	10 Feb 2022	19	14.71	82.06	7.7	33.46	8.0	24.9	1.33
F24	10 Feb 2022	20	14.64	81.87	7.7	33.46	8.0	24.9	1.65
F24	10 Feb 2022	21	14.56	82.08	7.6	33.46	8.0	24.9	1.71
F24	10 Feb 2022	22	14.47	82.13	7.4	33.45	8.0	24.9	1.82
F24	10 Feb 2022	23	14.42	82.19	7.4	33.45	8.0	24.9	1.93
F24	10 Feb 2022	24	14.40	82.21	7.3	33.45	8.0	24.9	2.05
F24	10 Feb 2022	25	14.30	82.33	7.2	33.45	8.0	24.9	2.06
F24	10 Feb 2022	26	14.26	82.48	7.2	33.44	8.0	24.9	2.05
F24	10 Feb 2022	27	14.16	82.54	7.0	33.45	8.0	25.0	2.13
F24	10 Feb 2022	28	14.09	82.45	6.9	33.44	8.0	25.0	2.16
F24	10 Feb 2022	29	14.04	82.53	6.9	33.45	8.0	25.0	2.10
F24	10 Feb 2022	30	13.99	82.49	6.8	33.45	8.0	25.0	2.15
F24	10 Feb 2022	31	13.79	82.42	6.6	33.45	8.0	25.0	2.20
F24	10 Feb 2022	32	13.73	82.51	6.5	33.45	7.9	25.0	2.23
F24	10 Feb 2022	33	13.67	82.57	6.4	33.45	7.9	25.1	2.21
F24	10 Feb 2022	34	13.58	82.65	6.3	33.46	7.9	25.1	2.15
F24	10 Feb 2022	35	13.54	82.76	6.3	33.46	7.9	25.1	2.09
F24	10 Feb 2022	36	13.51	82.80	6.2	33.46	7.9	25.1	2.06
F24	10 Feb 2022	37	13.48	82.82	6.2	33.46	7.9	25.1	2.05
F24	10 Feb 2022	38	13.42	82.89	6.1	33.46	7.9	25.1	1.98
F24	10 Feb 2022	39	13.29	83.04	6.0	33.47	7.9	25.2	1.86
F24	10 Feb 2022	40	13.17	83.10	5.9	33.47	7.9	25.2	1.73
F24	10 Feb 2022	41	13.12	83.21	5.8	33.48	7.9	25.2	1.62
F24	10 Feb 2022	42	13.08	83.23	5.8	33.48	7.9	25.2	1.56
F24	10 Feb 2022	43	13.05	83.30	5.8	33.48	7.9	25.2	1.49
F24	10 Feb 2022	44	12.99	83.33	5.8	33.48	7.9	25.2	1.44
F24	10 Feb 2022	45	12.82	83.38	5.8	33.46	7.8	25.2	1.37
F24	10 Feb 2022	46	12.75	83.42	5.8	33.46	7.8	25.2	1.32
F24	10 Feb 2022	47	12.66	83.48	5.8	33.45	7.8	25.3	1.28
F24	10 Feb 2022	48	12.57	83.53	5.7	33.45	7.8	25.3	1.26
F24	10 Feb 2022	49	12.53	83.49	5.7	33.46	7.8	25.3	1.19
F24	10 Feb 2022	50	12.51	83.46	5.7	33.46	7.8	25.3	1.19
F24	10 Feb 2022	51	12.45	83.45	5.6	33.46	7.8	25.3	1.15
F24	10 Feb 2022	52	12.42	83.39	5.6	33.46	7.8	25.3	1.13
F24	10 Feb 2022	53	12.40	83.41	5.6	33.47	7.8	25.3	1.10
F24	10 Feb 2022	54	12.35	83.36	5.5	33.47	7.8	25.3	1.09
F24	10 Feb 2022	55	12.29	83.20	5.4	33.47	7.8	25.3	1.05
F24	10 Feb 2022	56	12.19	83.15	5.4	33.48	7.8	25.4	1.02
F24	10 Feb 2022	57	12.14	83.18	5.3	33.49	7.8	25.4	0.97
F24	10 Feb 2022	58	12.09	83.10	5.3	33.50	7.8	25.4	0.92
F24	10 Feb 2022	59	12.08	83.10	5.3	33.50	7.8	25.4	0.90
F24	10 Feb 2022	60	12.07	83.08	5.3	33.50	7.8	25.4	0.88
F24	10 Feb 2022	61	12.07	83.07	5.3	33.50	7.8	25.4	0.85
F24	10 Feb 2022	62	12.07	83.08	5.2	33.50	7.8	25.4	0.87
F24	10 Feb 2022	63	12.06	83.05	5.2	33.50	7.8	25.4	0.87
F24	10 Feb 2022	64	12.00	83.07	5.2	33.51	7.8	25.4	0.85
F24	10 Feb 2022	65	11.96	83.28	5.2	33.51	7.8	25.4	0.82
F24	10 Feb 2022	66	11.94	83.32	5.2	33.52	7.8	25.4	0.79
F24	10 Feb 2022	67	11.91	83.25	5.2	33.52	7.8	25.5	0.78
F24	10 Feb 2022	68	11.91	83.23	5.2	33.52	7.8	25.5	0.78
F24	10 Feb 2022	69	11.90	83.20	5.2	33.52	7.8	25.5	0.77
F24	10 Feb 2022	70	11.89	83.21	5.2	33.52	7.8	25.5	0.78
F24	10 Feb 2022	71	11.88	83.19	5.2	33.53	7.8	25.5	0.75
F24	10 Feb 2022	72	11.87	83.11	5.1	33.53	7.8	25.5	0.75
F24	10 Feb 2022	73	11.87	83.06	5.1	33.53	7.8	25.5	0.75
F24	10 Feb 2022	74	11.86	82.99	5.1	33.53	7.8	25.5	0.75
F24	10 Feb 2022	75	11.85	82.90	5.1	33.53	7.8	25.5	0.74
F24	10 Feb 2022	76	11.81	82.83	5.0	33.54	7.8	25.5	0.73
F24	10 Feb 2022	77	11.77	81.60	5.0	33.55	7.8	25.5	0.71
F24	10 Feb 2022	78	11.76	81.27	4.9	33.55	7.8	25.5	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F24	10 Feb 2022	79	11.64	81.36	4.8	33.58	7.8	25.6	0.66
F24	10 Feb 2022	80	11.59	81.02	4.7	33.60	7.8	25.6	0.63
F24	10 Feb 2022	81	11.57	80.84	4.7	33.60	7.7	25.6	0.67
F24	10 Feb 2022	82	11.56	80.72	4.7	33.61	7.7	25.6	0.63
F24	10 Feb 2022	83	11.56	54.02	4.7	33.61	7.7	25.6	0.60
F25	10 Feb 2022	1	15.35	83.32	7.9	33.48	8.1	24.7	0.54
F25	10 Feb 2022	2	15.35	83.28	7.9	33.48	8.1	24.7	0.53
F25	10 Feb 2022	3	15.33	83.23	7.9	33.48	8.1	24.7	0.55
F25	10 Feb 2022	4	15.30	83.33	7.9	33.48	8.1	24.7	0.56
F25	10 Feb 2022	5	15.28	83.28	7.9	33.48	8.1	24.7	0.56
F25	10 Feb 2022	6	15.24	83.37	7.9	33.48	8.1	24.7	0.57
F25	10 Feb 2022	7	15.16	83.41	8.0	33.48	8.1	24.8	0.56
F25	10 Feb 2022	8	15.14	83.48	7.9	33.48	8.1	24.8	0.58
F25	10 Feb 2022	9	15.12	83.57	7.9	33.48	8.1	24.8	0.58
F25	10 Feb 2022	10	15.09	83.45	7.9	33.48	8.1	24.8	0.58
F25	10 Feb 2022	11	15.06	83.58	8.0	33.48	8.1	24.8	0.60
F25	10 Feb 2022	12	15.02	83.63	8.0	33.48	8.1	24.8	0.58
F25	10 Feb 2022	13	14.98	83.65	8.0	33.48	8.1	24.8	0.59
F25	10 Feb 2022	14	14.92	83.65	7.9	33.48	8.1	24.8	0.60
F25	10 Feb 2022	15	14.86	83.56	7.9	33.47	8.1	24.8	0.62
F25	10 Feb 2022	16	14.83	83.50	7.9	33.47	8.1	24.8	0.65
F25	10 Feb 2022	17	14.82	83.44	7.8	33.47	8.1	24.8	0.69
F25	10 Feb 2022	18	14.79	83.37	7.8	33.47	8.1	24.8	0.77
F25	10 Feb 2022	19	14.76	83.14	7.8	33.47	8.0	24.8	0.91
F25	10 Feb 2022	20	14.74	82.79	7.7	33.47	8.0	24.8	1.05
F25	10 Feb 2022	21	14.67	82.40	7.7	33.46	8.0	24.9	1.29
F25	10 Feb 2022	22	14.62	82.12	7.6	33.46	8.0	24.9	1.54
F25	10 Feb 2022	23	14.59	82.24	7.6	33.46	8.0	24.9	1.63
F25	10 Feb 2022	24	14.57	82.31	7.5	33.46	8.0	24.9	1.71
F25	10 Feb 2022	25	14.52	82.26	7.5	33.46	8.0	24.9	1.77
F25	10 Feb 2022	26	14.48	82.26	7.4	33.45	8.0	24.9	1.96
F25	10 Feb 2022	27	14.39	82.25	7.3	33.45	8.0	24.9	2.00
F25	10 Feb 2022	28	14.24	82.05	7.1	33.45	8.0	24.9	2.07
F25	10 Feb 2022	29	14.11	82.18	7.0	33.45	8.0	25.0	2.15
F25	10 Feb 2022	30	14.04	82.34	6.9	33.45	8.0	25.0	2.12
F25	10 Feb 2022	31	13.94	82.31	6.8	33.45	8.0	25.0	2.17
F25	10 Feb 2022	32	13.86	82.35	6.7	33.45	8.0	25.0	2.17
F25	10 Feb 2022	33	13.69	82.45	6.5	33.45	7.9	25.1	2.22
F25	10 Feb 2022	34	13.56	82.58	6.3	33.45	7.9	25.1	2.21
F25	10 Feb 2022	35	13.50	82.61	6.3	33.45	7.9	25.1	2.26
F25	10 Feb 2022	36	13.46	82.66	6.3	33.46	7.9	25.1	2.16
F25	10 Feb 2022	37	13.39	82.76	6.2	33.46	7.9	25.1	2.07
F25	10 Feb 2022	38	13.34	82.86	6.1	33.46	7.9	25.1	2.00
F25	10 Feb 2022	39	13.30	82.98	6.1	33.46	7.9	25.1	1.91
F25	10 Feb 2022	40	13.18	83.10	5.9	33.47	7.9	25.2	1.78
F25	10 Feb 2022	41	12.82	83.35	5.7	33.48	7.9	25.2	1.55
F25	10 Feb 2022	42	12.74	83.31	5.7	33.47	7.9	25.3	1.34
F25	10 Feb 2022	43	12.70	83.34	5.7	33.47	7.8	25.3	1.25
F25	10 Feb 2022	44	12.68	83.34	5.7	33.47	7.8	25.3	1.22
F25	10 Feb 2022	45	12.66	83.32	5.6	33.47	7.8	25.3	1.18
F25	10 Feb 2022	46	12.56	83.21	5.6	33.47	7.8	25.3	1.14
F25	10 Feb 2022	47	12.50	83.22	5.6	33.47	7.8	25.3	1.11
F25	10 Feb 2022	48	12.49	83.26	5.5	33.47	7.8	25.3	1.08
F25	10 Feb 2022	49	12.47	83.27	5.5	33.48	7.8	25.3	1.08
F25	10 Feb 2022	50	12.46	83.27	5.5	33.48	7.8	25.3	1.06
F25	10 Feb 2022	51	12.44	83.25	5.5	33.48	7.8	25.3	1.03
F25	10 Feb 2022	52	12.42	83.30	5.5	33.48	7.8	25.3	1.02
F25	10 Feb 2022	53	12.23	83.11	5.4	33.48	7.8	25.4	0.99
F25	10 Feb 2022	54	12.07	82.86	5.3	33.50	7.8	25.4	0.90
F25	10 Feb 2022	55	12.05	82.89	5.3	33.50	7.8	25.4	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	10 Feb 2022	56	12.05	82.94	5.3	33.50	7.8	25.4	0.81
F25	10 Feb 2022	57	12.04	82.93	5.3	33.50	7.8	25.4	0.81
F25	10 Feb 2022	58	12.03	82.95	5.3	33.50	7.8	25.4	0.82
F25	10 Feb 2022	59	12.02	83.07	5.3	33.50	7.8	25.4	0.78
F25	10 Feb 2022	60	11.99	82.99	5.2	33.51	7.8	25.4	0.78
F25	10 Feb 2022	61	11.98	82.81	5.2	33.51	7.8	25.4	0.75
F25	10 Feb 2022	62	11.98	82.77	5.2	33.51	7.8	25.4	0.76
F25	10 Feb 2022	63	11.98	82.72	5.2	33.51	7.8	25.4	0.77
F25	10 Feb 2022	64	11.98	82.72	5.2	33.51	7.8	25.4	0.76
F25	10 Feb 2022	65	11.98	82.65	5.2	33.51	7.8	25.4	0.75
F25	10 Feb 2022	66	11.98	82.59	5.2	33.52	7.8	25.4	0.77
F25	10 Feb 2022	67	11.98	82.61	5.2	33.52	7.8	25.4	0.76
F25	10 Feb 2022	68	11.97	82.47	5.1	33.52	7.8	25.4	0.76
F25	10 Feb 2022	69	11.95	81.78	5.0	33.53	7.8	25.5	0.75
F25	10 Feb 2022	70	11.90	81.42	5.0	33.54	7.8	25.5	0.74
F25	10 Feb 2022	71	11.87	81.25	5.0	33.55	7.8	25.5	0.71
F25	10 Feb 2022	72	11.79	81.37	4.9	33.57	7.8	25.5	0.66
F25	10 Feb 2022	73	11.75	81.58	4.9	33.57	7.8	25.5	0.65
F25	10 Feb 2022	74	11.69	81.82	4.8	33.59	7.8	25.6	0.62
F25	10 Feb 2022	75	11.59	82.01	4.7	33.62	7.8	25.6	0.58
F25	10 Feb 2022	76	11.54	82.11	4.6	33.63	7.8	25.6	0.57
F25	10 Feb 2022	77	11.51	82.02	4.5	33.64	7.8	25.6	0.53
F25	10 Feb 2022	78	11.49	81.69	4.5	33.65	7.7	25.6	0.51
F25	10 Feb 2022	79	11.45	81.36	4.4	33.67	7.7	25.7	0.50
F25	10 Feb 2022	80	11.38	81.19	4.3	33.70	7.7	25.7	0.48
F25	10 Feb 2022	81	11.42	41.62	4.4	33.68	7.7	25.7	0.49
F26	08 Feb 2022	1	15.64	84.45	7.9	33.48	8.1	24.7	0.53
F26	08 Feb 2022	2	15.45	84.40	7.9	33.49	8.1	24.7	0.54
F26	08 Feb 2022	3	15.32	84.33	7.8	33.48	8.1	24.7	0.54
F26	08 Feb 2022	4	15.29	84.16	7.8	33.48	8.1	24.7	0.55
F26	08 Feb 2022	5	15.27	84.13	7.9	33.48	8.1	24.7	0.55
F26	08 Feb 2022	6	15.27	84.16	7.9	33.48	8.1	24.7	0.56
F26	08 Feb 2022	7	15.26	84.12	7.9	33.48	8.1	24.7	0.57
F26	08 Feb 2022	8	15.25	84.08	7.9	33.48	8.1	24.7	0.59
F26	08 Feb 2022	9	15.25	84.17	7.9	33.48	8.1	24.7	0.59
F26	08 Feb 2022	10	15.23	84.22	7.9	33.48	8.1	24.8	0.58
F26	08 Feb 2022	11	15.22	84.25	7.9	33.48	8.1	24.8	0.59
F26	08 Feb 2022	12	15.21	84.26	7.9	33.48	8.1	24.8	0.58
F26	08 Feb 2022	13	15.19	84.35	7.9	33.48	8.1	24.8	0.58
F26	08 Feb 2022	14	15.17	84.40	7.9	33.48	8.1	24.8	0.59
F26	08 Feb 2022	15	15.17	84.37	7.9	33.48	8.1	24.8	0.59
F26	08 Feb 2022	16	15.14	84.35	7.9	33.48	8.1	24.8	0.61
F26	08 Feb 2022	17	15.10	84.24	7.9	33.47	8.1	24.8	0.63
F26	08 Feb 2022	18	15.06	83.99	7.8	33.47	8.1	24.8	0.67
F26	08 Feb 2022	19	15.00	83.80	7.8	33.47	8.1	24.8	0.69
F26	08 Feb 2022	20	14.94	83.69	7.8	33.47	8.1	24.8	0.77
F26	08 Feb 2022	21	14.88	83.18	7.8	33.46	8.1	24.8	1.02
F26	08 Feb 2022	22	14.81	82.96	7.8	33.46	8.1	24.8	1.24
F26	08 Feb 2022	23	14.65	82.40	7.6	33.45	8.1	24.9	1.48
F26	08 Feb 2022	24	14.59	82.13	7.6	33.45	8.1	24.9	1.78
F26	08 Feb 2022	25	14.51	82.08	7.4	33.45	8.1	24.9	1.91
F26	08 Feb 2022	26	14.36	82.63	7.1	33.45	8.1	24.9	1.88
F26	08 Feb 2022	27	14.24	83.05	7.0	33.45	8.1	24.9	1.80
F26	08 Feb 2022	28	14.22	83.24	7.0	33.45	8.1	24.9	1.88
F26	08 Feb 2022	29	14.20	83.09	7.1	33.45	8.1	24.9	1.97
F26	08 Feb 2022	30	14.19	83.02	7.0	33.45	8.1	24.9	2.06
F26	08 Feb 2022	31	14.18	83.06	7.0	33.45	8.1	25.0	2.13
F26	08 Feb 2022	32	14.07	83.31	6.8	33.45	8.0	25.0	2.03
F26	08 Feb 2022	33	13.92	83.56	6.6	33.44	8.0	25.0	1.97
F26	08 Feb 2022	34	13.78	83.66	6.6	33.44	8.0	25.0	1.98

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F26	08 Feb 2022	35	13.69	83.67	6.4	33.43	8.0	25.0	1.92
F26	08 Feb 2022	36	13.51	83.81	6.4	33.43	8.0	25.1	1.87
F26	08 Feb 2022	37	13.46	83.97	6.4	33.43	8.0	25.1	1.84
F26	08 Feb 2022	38	13.45	84.01	6.4	33.43	8.0	25.1	1.85
F26	08 Feb 2022	39	13.42	84.08	6.3	33.43	8.0	25.1	1.85
F26	08 Feb 2022	40	13.40	84.13	6.3	33.43	8.0	25.1	1.85
F26	08 Feb 2022	41	13.37	84.13	6.3	33.43	8.0	25.1	1.89
F26	08 Feb 2022	42	13.34	84.15	6.2	33.43	8.0	25.1	1.85
F26	08 Feb 2022	43	13.25	84.17	6.2	33.43	8.0	25.1	1.79
F26	08 Feb 2022	44	13.03	84.24	6.1	33.43	8.0	25.2	1.71
F26	08 Feb 2022	45	12.79	84.39	6.0	33.43	8.0	25.2	1.65
F26	08 Feb 2022	46	12.66	84.51	5.9	33.44	7.9	25.2	1.55
F26	08 Feb 2022	47	12.56	84.51	5.9	33.44	7.9	25.3	1.51
F26	08 Feb 2022	48	12.45	84.61	5.9	33.44	7.9	25.3	1.44
F26	08 Feb 2022	49	12.43	84.59	5.9	33.44	7.9	25.3	1.43
F26	08 Feb 2022	50	12.38	84.69	5.9	33.44	7.9	25.3	1.41
F26	08 Feb 2022	51	12.37	84.72	5.9	33.44	7.9	25.3	1.37
F26	08 Feb 2022	52	12.37	84.75	5.9	33.45	7.9	25.3	1.35
F26	08 Feb 2022	53	12.36	84.74	5.8	33.45	7.9	25.3	1.31
F26	08 Feb 2022	54	12.33	84.81	5.8	33.45	7.9	25.3	1.27
F26	08 Feb 2022	55	12.28	84.80	5.8	33.45	7.9	25.3	1.25
F26	08 Feb 2022	56	12.22	84.85	5.8	33.47	7.9	25.4	1.19
F26	08 Feb 2022	57	12.18	84.90	5.7	33.47	7.9	25.4	1.12
F26	08 Feb 2022	58	12.16	84.97	5.7	33.47	7.9	25.4	1.07
F26	08 Feb 2022	59	12.10	85.01	5.7	33.47	7.9	25.4	1.05
F26	08 Feb 2022	60	12.03	85.00	5.6	33.48	7.9	25.4	1.02
F26	08 Feb 2022	61	12.00	84.98	5.6	33.49	7.9	25.4	0.97
F26	08 Feb 2022	62	11.99	85.05	5.6	33.49	7.9	25.4	0.96
F26	08 Feb 2022	63	11.94	84.97	5.6	33.50	7.9	25.4	0.96
F26	08 Feb 2022	64	11.91	85.04	5.5	33.50	7.9	25.4	0.93
F26	08 Feb 2022	65	11.85	85.08	5.5	33.51	7.9	25.5	0.89
F26	08 Feb 2022	66	11.72	85.10	5.3	33.54	7.9	25.5	0.83
F26	08 Feb 2022	67	11.67	85.11	5.3	33.55	7.9	25.5	0.77
F26	08 Feb 2022	68	11.64	85.12	5.2	33.55	7.9	25.5	0.74
F26	08 Feb 2022	69	11.62	85.09	5.3	33.55	7.9	25.5	0.73
F26	08 Feb 2022	70	11.60	84.95	5.2	33.55	7.9	25.5	0.71
F26	08 Feb 2022	71	11.58	84.96	5.2	33.55	7.9	25.5	0.69
F26	08 Feb 2022	72	11.51	84.86	5.0	33.57	7.8	25.6	0.67
F26	08 Feb 2022	73	11.45	84.57	4.9	33.58	7.8	25.6	0.63
F26	08 Feb 2022	74	11.42	84.43	4.9	33.59	7.8	25.6	0.62
F26	08 Feb 2022	75	11.37	84.46	4.8	33.60	7.8	25.6	0.60
F26	08 Feb 2022	76	11.36	84.16	4.7	33.60	7.8	25.6	0.58
F26	08 Feb 2022	77	11.36	83.79	4.6	33.60	7.8	25.6	0.56
F26	08 Feb 2022	78	11.33	83.86	4.6	33.64	7.8	25.7	0.55
F26	08 Feb 2022	79	11.31	84.57	4.6	33.65	7.8	25.7	0.54
F26	08 Feb 2022	80	11.25	84.51	4.4	33.65	7.8	25.7	0.53
F26	08 Feb 2022	81	11.18	83.93	4.2	33.65	7.8	25.7	0.53
F26	08 Feb 2022	82	11.17	83.87	4.2	33.66	7.8	25.7	0.50
F26	08 Feb 2022	83	11.16	84.02	4.2	33.66	7.8	25.7	0.51
F26	08 Feb 2022	84	11.14	83.73	4.2	33.67	7.8	25.7	0.50
F26	08 Feb 2022	85	11.09	84.02	4.1	33.68	7.8	25.7	0.50
F26	08 Feb 2022	86	11.07	83.91	4.1	33.69	7.8	25.7	0.50
F26	08 Feb 2022	87	11.05	83.82	4.1	33.70	7.8	25.8	0.50
F26	08 Feb 2022	88	11.04	83.68	4.1	33.70	7.8	25.8	0.50
F26	08 Feb 2022	89	11.03	83.58	4.1	33.71	7.8	25.8	0.49
F26	08 Feb 2022	90	11.01	83.61	4.1	33.72	7.8	25.8	0.49
F26	08 Feb 2022	91	10.98	83.41	4.1	33.73	7.8	25.8	0.49
F26	08 Feb 2022	92	10.88	83.20	4.0	33.77	7.8	25.8	0.50
F26	08 Feb 2022	93	10.88	83.28	4.0	33.78	7.8	25.8	0.50
F26	08 Feb 2022	94	10.85	83.43	3.9	33.79	7.8	25.9	0.48
F26	08 Feb 2022	95	10.80	83.42	3.8	33.81	7.8	25.9	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F26	08 Feb 2022	96	10.75	83.09	3.7	33.85	7.8	25.9	0.49
F26	08 Feb 2022	97	10.66	82.89	3.6	33.89	7.8	26.0	0.50
F26	08 Feb 2022	98	10.63	82.84	3.5	33.90	7.7	26.0	0.50
F26	08 Feb 2022	99	10.63	82.32	3.6	33.90	7.7	26.0	0.50
F27	08 Feb 2022	1	15.53	84.15	7.9	33.48	8.1	24.7	0.57
F27	08 Feb 2022	2	15.58	84.28	7.8	33.47	8.1	24.7	0.56
F27	08 Feb 2022	3	15.43	84.28	7.8	33.48	8.1	24.7	0.56
F27	08 Feb 2022	4	15.33	84.11	7.8	33.48	8.1	24.7	0.57
F27	08 Feb 2022	5	15.32	84.04	7.8	33.47	8.1	24.7	0.58
F27	08 Feb 2022	6	15.31	84.12	7.8	33.47	8.1	24.7	0.59
F27	08 Feb 2022	7	15.30	84.07	7.8	33.47	8.1	24.7	0.59
F27	08 Feb 2022	8	15.28	84.10	7.8	33.47	8.1	24.7	0.60
F27	08 Feb 2022	9	15.27	84.13	7.8	33.47	8.1	24.7	0.60
F27	08 Feb 2022	10	15.25	84.19	7.8	33.47	8.1	24.7	0.60
F27	08 Feb 2022	11	15.23	84.29	7.9	33.47	8.1	24.7	0.60
F27	08 Feb 2022	12	15.21	84.36	7.9	33.47	8.1	24.7	0.60
F27	08 Feb 2022	13	15.19	84.31	7.8	33.47	8.1	24.8	0.61
F27	08 Feb 2022	14	15.16	84.15	7.9	33.47	8.1	24.8	0.61
F27	08 Feb 2022	15	15.14	84.36	7.9	33.47	8.1	24.8	0.62
F27	08 Feb 2022	16	15.12	84.27	7.9	33.47	8.1	24.8	0.63
F27	08 Feb 2022	17	15.10	84.19	7.9	33.48	8.1	24.8	0.63
F27	08 Feb 2022	18	15.08	84.23	7.9	33.48	8.1	24.8	0.65
F27	08 Feb 2022	19	15.06	84.17	7.8	33.48	8.1	24.8	0.67
F27	08 Feb 2022	20	15.04	84.00	7.8	33.48	8.1	24.8	0.68
F27	08 Feb 2022	21	15.04	83.99	7.9	33.48	8.1	24.8	0.69
F27	08 Feb 2022	22	15.04	83.96	7.9	33.48	8.1	24.8	0.70
F27	08 Feb 2022	23	15.03	84.02	7.9	33.48	8.1	24.8	0.72
F27	08 Feb 2022	24	15.00	83.94	7.8	33.48	8.1	24.8	0.75
F27	08 Feb 2022	25	14.86	83.71	7.6	33.47	8.1	24.8	0.92
F27	08 Feb 2022	26	14.49	83.25	7.3	33.45	8.1	24.9	1.18
F27	08 Feb 2022	27	14.36	83.42	7.2	33.44	8.1	24.9	1.34
F27	08 Feb 2022	28	14.21	83.52	7.0	33.44	8.1	24.9	1.47
F27	08 Feb 2022	29	14.01	83.81	6.8	33.44	8.0	25.0	1.46
F27	08 Feb 2022	30	13.90	83.88	6.6	33.43	8.0	25.0	1.45
F27	08 Feb 2022	31	13.77	83.82	6.5	33.43	8.0	25.0	1.49
F27	08 Feb 2022	32	13.64	83.90	6.5	33.43	8.0	25.0	1.54
F27	08 Feb 2022	33	13.56	83.87	6.4	33.43	8.0	25.1	1.56
F27	08 Feb 2022	34	13.48	83.86	6.4	33.42	8.0	25.1	1.59
F27	08 Feb 2022	35	13.41	83.90	6.3	33.42	8.0	25.1	1.61
F27	08 Feb 2022	36	13.33	83.99	6.3	33.42	8.0	25.1	1.67
F27	08 Feb 2022	37	13.12	84.14	6.2	33.43	8.0	25.2	1.62
F27	08 Feb 2022	38	12.84	84.37	6.0	33.43	8.0	25.2	1.52
F27	08 Feb 2022	39	12.67	84.29	6.0	33.43	7.9	25.2	1.45
F27	08 Feb 2022	40	12.61	84.46	5.9	33.43	7.9	25.3	1.39
F27	08 Feb 2022	41	12.60	84.50	5.9	33.43	7.9	25.3	1.40
F27	08 Feb 2022	42	12.54	84.54	5.9	33.44	7.9	25.3	1.36
F27	08 Feb 2022	43	12.44	84.67	5.8	33.45	7.9	25.3	1.28
F27	08 Feb 2022	44	12.39	84.64	5.8	33.45	7.9	25.3	1.21
F27	08 Feb 2022	45	12.36	84.69	5.8	33.45	7.9	25.3	1.23
F27	08 Feb 2022	46	12.32	84.70	5.8	33.45	7.9	25.3	1.24
F27	08 Feb 2022	47	12.30	84.68	5.8	33.45	7.9	25.3	1.28
F27	08 Feb 2022	48	12.29	84.69	5.8	33.45	7.9	25.3	1.26
F27	08 Feb 2022	49	12.26	84.68	5.8	33.45	7.9	25.3	1.26
F27	08 Feb 2022	50	12.19	84.71	5.8	33.46	7.9	25.4	1.23
F27	08 Feb 2022	51	12.15	84.74	5.7	33.47	7.9	25.4	1.20
F27	08 Feb 2022	52	12.13	84.74	5.7	33.47	7.9	25.4	1.16
F27	08 Feb 2022	53	12.12	84.75	5.7	33.47	7.9	25.4	1.17
F27	08 Feb 2022	54	12.12	84.77	5.7	33.47	7.9	25.4	1.17
F27	08 Feb 2022	55	12.12	84.76	5.7	33.47	7.9	25.4	1.17
F27	08 Feb 2022	56	12.11	84.76	5.7	33.47	7.9	25.4	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F27	08 Feb 2022	57	12.09	84.79	5.7	33.47	7.9	25.4	1.14
F27	08 Feb 2022	58	12.07	84.80	5.6	33.48	7.9	25.4	1.14
F27	08 Feb 2022	59	12.06	84.79	5.6	33.48	7.9	25.4	1.11
F27	08 Feb 2022	60	12.03	84.80	5.5	33.48	7.9	25.4	1.07
F27	08 Feb 2022	61	11.96	84.84	5.5	33.50	7.9	25.4	1.01
F27	08 Feb 2022	62	11.91	84.87	5.5	33.50	7.9	25.4	0.98
F27	08 Feb 2022	63	11.93	84.88	5.4	33.50	7.9	25.4	0.93
F27	08 Feb 2022	64	11.86	84.88	5.3	33.51	7.9	25.5	0.90
F27	08 Feb 2022	65	11.80	84.89	5.3	33.52	7.9	25.5	0.85
F27	08 Feb 2022	66	11.81	84.91	5.3	33.52	7.9	25.5	0.81
F27	08 Feb 2022	67	11.77	84.88	5.2	33.53	7.9	25.5	0.79
F27	08 Feb 2022	68	11.77	84.88	5.2	33.54	7.9	25.5	0.75
F27	08 Feb 2022	69	11.77	84.88	5.2	33.54	7.8	25.5	0.77
F27	08 Feb 2022	70	11.77	84.86	5.1	33.55	7.8	25.5	0.72
F27	08 Feb 2022	71	11.76	84.80	5.1	33.56	7.8	25.5	0.71
F27	08 Feb 2022	72	11.75	84.88	5.1	33.56	7.8	25.5	0.71
F27	08 Feb 2022	73	11.74	84.91	5.1	33.56	7.8	25.5	0.72
F27	08 Feb 2022	74	11.73	84.94	5.1	33.56	7.8	25.5	0.72
F27	08 Feb 2022	75	11.72	84.95	5.1	33.56	7.8	25.5	0.71
F27	08 Feb 2022	76	11.69	84.91	4.9	33.59	7.8	25.6	0.68
F27	08 Feb 2022	77	11.61	84.93	4.9	33.60	7.8	25.6	0.65
F27	08 Feb 2022	78	11.50	84.96	4.9	33.61	7.8	25.6	0.63
F27	08 Feb 2022	79	11.47	84.89	4.8	33.62	7.8	25.6	0.61
F27	08 Feb 2022	80	11.40	84.83	4.6	33.66	7.8	25.7	0.57
F27	08 Feb 2022	81	11.34	84.74	4.6	33.66	7.8	25.7	0.56
F27	08 Feb 2022	82	11.33	84.79	4.5	33.68	7.8	25.7	0.54
F27	08 Feb 2022	83	11.32	84.79	4.4	33.69	7.8	25.7	0.55
F27	08 Feb 2022	84	11.29	84.76	4.4	33.69	7.8	25.7	0.54
F27	08 Feb 2022	85	11.22	84.71	4.3	33.70	7.8	25.7	0.52
F27	08 Feb 2022	86	11.09	84.59	4.2	33.74	7.8	25.8	0.51
F27	08 Feb 2022	87	11.09	84.60	4.2	33.74	7.8	25.8	0.50
F27	08 Feb 2022	88	11.03	84.64	4.1	33.77	7.8	25.8	0.51
F27	08 Feb 2022	89	11.00	84.57	4.1	33.78	7.8	25.8	0.50
F27	08 Feb 2022	90	10.98	84.54	4.0	33.79	7.8	25.8	0.49
F27	08 Feb 2022	91	10.96	84.59	4.0	33.79	7.8	25.8	0.49
F27	08 Feb 2022	92	10.92	84.49	4.0	33.80	7.8	25.9	0.50
F27	08 Feb 2022	93	10.90	84.26	3.9	33.81	7.8	25.9	0.49
F27	08 Feb 2022	94	10.89	84.03	3.9	33.81	7.8	25.9	0.47
F27	08 Feb 2022	95	10.89	83.99	3.9	33.81	7.8	25.9	0.49
F27	08 Feb 2022	96	10.89	83.88	3.9	33.81	7.8	25.9	0.51
F27	08 Feb 2022	97	10.88	83.62	3.9	33.82	7.8	25.9	0.51
F27	08 Feb 2022	98	10.86	83.34	3.8	33.82	7.8	25.9	0.51
F27	08 Feb 2022	99	10.79	83.22	3.7	33.85	7.8	25.9	0.51
F27	08 Feb 2022	100	10.74	83.35	3.7	33.86	7.7	25.9	0.51
F28	08 Feb 2022	1	15.76	80.52	7.8	33.48	8.1	24.6	0.46
F28	08 Feb 2022	2	15.47	84.08	7.8	33.48	8.1	24.7	0.46
F28	08 Feb 2022	3	15.33	84.28	7.8	33.47	8.1	24.7	0.48
F28	08 Feb 2022	4	15.29	84.28	7.8	33.47	8.1	24.7	0.50
F28	08 Feb 2022	5	15.29	84.22	7.9	33.47	8.1	24.7	0.49
F28	08 Feb 2022	6	15.28	84.12	7.8	33.47	8.1	24.7	0.51
F28	08 Feb 2022	7	15.27	84.18	7.8	33.47	8.1	24.7	0.51
F28	08 Feb 2022	8	15.26	84.15	7.9	33.47	8.1	24.7	0.52
F28	08 Feb 2022	9	15.26	84.15	7.9	33.47	8.1	24.7	0.52
F28	08 Feb 2022	10	15.25	84.21	7.8	33.47	8.1	24.7	0.52
F28	08 Feb 2022	11	15.25	84.30	7.8	33.47	8.1	24.7	0.53
F28	08 Feb 2022	12	15.25	84.26	7.8	33.47	8.1	24.7	0.53
F28	08 Feb 2022	13	15.24	84.17	7.8	33.47	8.1	24.7	0.54
F28	08 Feb 2022	14	15.24	84.29	7.9	33.47	8.1	24.7	0.54
F28	08 Feb 2022	15	15.23	84.26	7.9	33.47	8.1	24.7	0.53
F28	08 Feb 2022	16	15.22	84.28	7.9	33.47	8.1	24.7	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F28	08 Feb 2022	17	15.21	84.15	7.8	33.47	8.1	24.7	0.55
F28	08 Feb 2022	18	15.20	84.33	7.9	33.47	8.1	24.8	0.55
F28	08 Feb 2022	19	15.17	84.34	7.9	33.47	8.1	24.8	0.57
F28	08 Feb 2022	20	15.16	84.27	7.9	33.47	8.1	24.8	0.58
F28	08 Feb 2022	21	15.15	84.34	7.9	33.47	8.1	24.8	0.60
F28	08 Feb 2022	22	15.14	84.30	7.9	33.47	8.1	24.8	0.61
F28	08 Feb 2022	23	15.14	84.30	7.8	33.47	8.1	24.8	0.64
F28	08 Feb 2022	24	15.12	83.98	7.9	33.48	8.1	24.8	0.62
F28	08 Feb 2022	25	15.11	84.03	7.9	33.48	8.1	24.8	0.63
F28	08 Feb 2022	26	15.09	84.11	7.8	33.48	8.1	24.8	0.65
F28	08 Feb 2022	27	15.07	84.14	7.8	33.48	8.1	24.8	0.68
F28	08 Feb 2022	28	14.84	83.79	7.7	33.47	8.1	24.8	0.95
F28	08 Feb 2022	29	14.66	82.94	7.6	33.45	8.1	24.9	1.32
F28	08 Feb 2022	30	14.56	83.09	7.4	33.45	8.1	24.9	1.53
F28	08 Feb 2022	31	14.46	83.09	7.3	33.45	8.1	24.9	1.66
F28	08 Feb 2022	32	14.36	83.28	7.1	33.44	8.1	24.9	1.69
F28	08 Feb 2022	33	14.09	83.56	6.9	33.44	8.0	25.0	1.65
F28	08 Feb 2022	34	14.03	83.71	6.7	33.44	8.0	25.0	1.65
F28	08 Feb 2022	35	13.84	83.83	6.6	33.44	8.0	25.0	1.62
F28	08 Feb 2022	36	13.55	83.92	6.4	33.43	8.0	25.1	1.61
F28	08 Feb 2022	37	13.45	83.94	6.3	33.43	8.0	25.1	1.60
F28	08 Feb 2022	38	13.43	83.94	6.3	33.42	8.0	25.1	1.67
F28	08 Feb 2022	39	13.34	84.00	6.3	33.42	8.0	25.1	1.63
F28	08 Feb 2022	40	13.20	83.95	6.2	33.42	8.0	25.1	1.71
F28	08 Feb 2022	41	13.14	84.12	6.2	33.42	8.0	25.1	1.64
F28	08 Feb 2022	42	13.04	84.20	6.2	33.42	8.0	25.2	1.66
F28	08 Feb 2022	43	12.99	84.21	6.1	33.42	7.9	25.2	1.59
F28	08 Feb 2022	44	12.95	84.26	6.1	33.42	7.9	25.2	1.57
F28	08 Feb 2022	45	12.84	84.28	6.0	33.43	7.9	25.2	1.52
F28	08 Feb 2022	46	12.65	84.35	6.0	33.43	7.9	25.2	1.50
F28	08 Feb 2022	47	12.61	84.46	6.0	33.43	7.9	25.3	1.43
F28	08 Feb 2022	48	12.60	84.46	6.0	33.43	7.9	25.3	1.42
F28	08 Feb 2022	49	12.56	84.48	5.9	33.43	7.9	25.3	1.41
F28	08 Feb 2022	50	12.53	84.53	5.9	33.44	7.9	25.3	1.37
F28	08 Feb 2022	51	12.50	84.56	5.9	33.44	7.9	25.3	1.36
F28	08 Feb 2022	52	12.39	84.58	5.9	33.45	7.9	25.3	1.33
F28	08 Feb 2022	53	12.34	84.66	5.8	33.45	7.9	25.3	1.28
F28	08 Feb 2022	54	12.27	84.70	5.8	33.46	7.9	25.3	1.20
F28	08 Feb 2022	55	12.16	84.79	5.6	33.48	7.9	25.4	1.09
F28	08 Feb 2022	56	12.06	84.85	5.6	33.49	7.9	25.4	1.03
F28	08 Feb 2022	57	12.01	84.87	5.5	33.49	7.9	25.4	0.98
F28	08 Feb 2022	58	11.97	84.90	5.5	33.50	7.9	25.4	0.94
F28	08 Feb 2022	59	11.95	84.91	5.5	33.50	7.9	25.4	0.91
F28	08 Feb 2022	60	11.94	84.93	5.5	33.50	7.9	25.4	0.88
F28	08 Feb 2022	61	11.94	84.92	5.5	33.51	7.9	25.4	0.87
F28	08 Feb 2022	62	11.93	84.90	5.4	33.51	7.9	25.4	0.85
F28	08 Feb 2022	63	11.87	84.86	5.4	33.51	7.9	25.5	0.82
F28	08 Feb 2022	64	11.83	84.85	5.4	33.52	7.9	25.5	0.80
F28	08 Feb 2022	65	11.82	84.86	5.3	33.52	7.9	25.5	0.77
F28	08 Feb 2022	66	11.81	84.84	5.3	33.52	7.9	25.5	0.76
F28	08 Feb 2022	67	11.80	84.86	5.3	33.52	7.9	25.5	0.75
F28	08 Feb 2022	68	11.80	84.87	5.3	33.52	7.9	25.5	0.76
F28	08 Feb 2022	69	11.80	84.85	5.3	33.53	7.9	25.5	0.73
F28	08 Feb 2022	70	11.79	84.77	5.3	33.53	7.8	25.5	0.73
F28	08 Feb 2022	71	11.79	84.84	5.2	33.53	7.8	25.5	0.72
F28	08 Feb 2022	72	11.79	84.80	5.2	33.54	7.8	25.5	0.71
F28	08 Feb 2022	73	11.79	84.80	5.0	33.55	7.8	25.5	0.68
F28	08 Feb 2022	74	11.80	84.74	4.9	33.57	7.8	25.5	0.69
F28	08 Feb 2022	75	11.79	84.70	4.9	33.57	7.8	25.5	0.65
F28	08 Feb 2022	76	11.79	84.72	4.9	33.57	7.8	25.5	0.64
F28	08 Feb 2022	77	11.78	84.74	5.0	33.57	7.8	25.5	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	08 Feb 2022	78	11.78	84.74	4.9	33.58	7.8	25.5	0.63
F28	08 Feb 2022	79	11.75	84.75	4.9	33.58	7.8	25.5	0.61
F28	08 Feb 2022	80	11.65	84.86	4.9	33.58	7.8	25.6	0.61
F28	08 Feb 2022	81	11.49	84.61	4.8	33.58	7.8	25.6	0.57
F28	08 Feb 2022	82	11.40	83.14	4.7	33.59	7.8	25.6	0.55
F28	08 Feb 2022	83	11.47	84.36	4.7	33.63	7.8	25.6	0.54
F28	08 Feb 2022	84	11.41	84.65	4.7	33.63	7.8	25.6	0.53
F28	08 Feb 2022	85	11.37	84.66	4.6	33.66	7.8	25.7	0.52
F28	08 Feb 2022	86	11.34	84.78	4.5	33.67	7.8	25.7	0.50
F28	08 Feb 2022	87	11.30	84.68	4.5	33.68	7.8	25.7	0.49
F28	08 Feb 2022	88	11.29	84.64	4.5	33.68	7.8	25.7	0.49
F28	08 Feb 2022	89	11.27	84.68	4.4	33.69	7.8	25.7	0.49
F28	08 Feb 2022	90	11.21	84.39	4.2	33.72	7.8	25.7	0.47
F28	08 Feb 2022	91	11.19	84.18	4.1	33.73	7.8	25.7	0.46
F28	08 Feb 2022	92	11.16	84.25	4.1	33.74	7.8	25.8	0.45
F28	08 Feb 2022	93	11.09	84.29	4.1	33.76	7.8	25.8	0.44
F28	08 Feb 2022	94	11.08	84.69	4.1	33.77	7.8	25.8	0.44
F28	08 Feb 2022	95	11.05	84.96	4.1	33.78	7.8	25.8	0.43
F28	08 Feb 2022	96	10.96	85.05	4.0	33.81	7.8	25.9	0.44
F28	08 Feb 2022	97	10.90	84.74	3.9	33.82	7.8	25.9	0.44
F28	08 Feb 2022	98	10.88	84.27	3.8	33.83	7.8	25.9	0.45
F28	08 Feb 2022	99	10.82	83.89	3.8	33.84	7.8	25.9	0.45
F28	08 Feb 2022	100	10.79	83.64	3.8	33.85	7.7	25.9	0.45
F29	08 Feb 2022	1	15.57	84.44	7.8	33.48	8.1	24.7	0.55
F29	08 Feb 2022	2	15.37	84.42	7.8	33.47	8.1	24.7	0.56
F29	08 Feb 2022	3	15.35	84.32	7.8	33.47	8.1	24.7	0.56
F29	08 Feb 2022	4	15.33	84.26	7.8	33.47	8.1	24.7	0.57
F29	08 Feb 2022	5	15.32	84.24	7.8	33.47	8.1	24.7	0.59
F29	08 Feb 2022	6	15.31	84.24	7.8	33.47	8.1	24.7	0.59
F29	08 Feb 2022	7	15.30	84.22	7.8	33.47	8.1	24.7	0.59
F29	08 Feb 2022	8	15.30	84.24	7.8	33.47	8.1	24.7	0.60
F29	08 Feb 2022	9	15.29	84.27	7.8	33.47	8.1	24.7	0.61
F29	08 Feb 2022	10	15.28	84.28	7.8	33.47	8.1	24.7	0.60
F29	08 Feb 2022	11	15.24	84.29	7.8	33.47	8.1	24.7	0.61
F29	08 Feb 2022	12	15.21	84.30	7.8	33.47	8.1	24.7	0.57
F29	08 Feb 2022	13	15.18	84.34	7.8	33.47	8.1	24.8	0.56
F29	08 Feb 2022	14	15.17	84.35	7.8	33.46	8.1	24.8	0.58
F29	08 Feb 2022	15	15.16	84.24	7.9	33.46	8.1	24.8	0.60
F29	08 Feb 2022	16	15.16	84.32	7.9	33.46	8.1	24.8	0.60
F29	08 Feb 2022	17	15.16	84.28	7.9	33.46	8.1	24.8	0.62
F29	08 Feb 2022	18	15.15	84.30	7.8	33.46	8.1	24.8	0.63
F29	08 Feb 2022	19	15.15	84.30	7.8	33.46	8.1	24.8	0.66
F29	08 Feb 2022	20	15.15	84.31	7.9	33.47	8.1	24.8	0.67
F29	08 Feb 2022	21	15.13	84.25	7.8	33.47	8.1	24.8	0.69
F29	08 Feb 2022	22	15.13	84.27	7.8	33.47	8.1	24.8	0.71
F29	08 Feb 2022	23	15.12	84.27	7.9	33.47	8.1	24.8	0.71
F29	08 Feb 2022	24	15.12	84.26	7.9	33.47	8.1	24.8	0.74
F29	08 Feb 2022	25	15.09	84.08	7.8	33.47	8.1	24.8	0.80
F29	08 Feb 2022	26	15.07	84.08	7.9	33.46	8.1	24.8	0.91
F29	08 Feb 2022	27	15.05	83.96	7.9	33.46	8.1	24.8	1.03
F29	08 Feb 2022	28	15.04	83.73	7.8	33.46	8.1	24.8	1.09
F29	08 Feb 2022	29	15.01	83.59	7.8	33.46	8.1	24.8	1.15
F29	08 Feb 2022	30	14.93	83.35	7.8	33.46	8.1	24.8	1.26
F29	08 Feb 2022	31	14.84	83.30	7.6	33.45	8.1	24.8	1.41
F29	08 Feb 2022	32	14.43	83.39	7.3	33.43	8.1	24.9	1.60
F29	08 Feb 2022	33	14.25	83.50	7.1	33.43	8.1	24.9	1.72
F29	08 Feb 2022	34	14.22	83.73	7.1	33.43	8.0	24.9	1.73
F29	08 Feb 2022	35	14.18	83.75	7.1	33.43	8.0	24.9	1.74
F29	08 Feb 2022	36	14.12	83.85	7.0	33.42	8.0	24.9	1.72
F29	08 Feb 2022	37	13.84	83.86	6.7	33.43	8.0	25.0	1.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F29	08 Feb 2022	38	13.79	84.07	6.6	33.43	8.0	25.0	1.68
F29	08 Feb 2022	39	13.70	84.23	6.5	33.43	8.0	25.0	1.75
F29	08 Feb 2022	40	13.57	84.29	6.5	33.43	8.0	25.1	1.62
F29	08 Feb 2022	41	13.48	84.35	6.3	33.43	8.0	25.1	1.60
F29	08 Feb 2022	42	13.29	84.35	6.3	33.43	8.0	25.1	1.59
F29	08 Feb 2022	43	13.23	84.35	6.3	33.42	8.0	25.1	1.59
F29	08 Feb 2022	44	13.18	84.31	6.3	33.42	8.0	25.1	1.57
F29	08 Feb 2022	45	13.13	84.40	6.2	33.43	8.0	25.1	1.55
F29	08 Feb 2022	46	13.05	84.47	6.2	33.43	7.9	25.2	1.52
F29	08 Feb 2022	47	13.02	84.43	6.1	33.42	7.9	25.2	1.53
F29	08 Feb 2022	48	12.91	84.39	6.1	33.43	7.9	25.2	1.51
F29	08 Feb 2022	49	12.65	84.56	6.0	33.43	7.9	25.2	1.44
F29	08 Feb 2022	50	12.50	84.67	6.0	33.44	7.9	25.3	1.33
F29	08 Feb 2022	51	12.45	84.72	5.9	33.44	7.9	25.3	1.27
F29	08 Feb 2022	52	12.39	84.76	5.8	33.44	7.9	25.3	1.21
F29	08 Feb 2022	53	12.33	84.80	5.7	33.46	7.9	25.3	1.17
F29	08 Feb 2022	54	12.30	84.86	5.7	33.46	7.9	25.3	1.10
F29	08 Feb 2022	55	12.26	84.88	5.7	33.47	7.9	25.3	1.09
F29	08 Feb 2022	56	12.22	84.89	5.7	33.47	7.9	25.4	1.06
F29	08 Feb 2022	57	12.20	84.95	5.6	33.48	7.9	25.4	1.02
F29	08 Feb 2022	58	12.19	84.95	5.5	33.49	7.9	25.4	1.00
F29	08 Feb 2022	59	12.17	84.92	5.5	33.49	7.9	25.4	0.98
F29	08 Feb 2022	60	12.14	84.91	5.5	33.49	7.9	25.4	0.98
F29	08 Feb 2022	61	12.11	84.94	5.5	33.49	7.9	25.4	0.97
F29	08 Feb 2022	62	12.04	84.93	5.5	33.49	7.9	25.4	0.96
F29	08 Feb 2022	63	11.93	85.02	5.5	33.50	7.9	25.4	0.92
F29	08 Feb 2022	64	11.86	85.05	5.5	33.51	7.9	25.5	0.88
F29	08 Feb 2022	65	11.83	85.06	5.3	33.52	7.9	25.5	0.84
F29	08 Feb 2022	66	11.77	85.04	5.2	33.54	7.8	25.5	0.78
F29	08 Feb 2022	67	11.74	85.03	5.1	33.55	7.8	25.5	0.74
F29	08 Feb 2022	68	11.72	85.04	5.0	33.57	7.8	25.5	0.71
F29	08 Feb 2022	69	11.71	84.82	4.9	33.59	7.8	25.5	0.66
F29	08 Feb 2022	70	11.70	85.02	4.8	33.60	7.8	25.6	0.64
F29	08 Feb 2022	71	11.69	84.93	4.7	33.61	7.8	25.6	0.61
F29	08 Feb 2022	72	11.66	84.84	4.6	33.62	7.8	25.6	0.60
F29	08 Feb 2022	73	11.65	84.66	4.6	33.62	7.8	25.6	0.58
F29	08 Feb 2022	74	11.63	84.62	4.6	33.62	7.8	25.6	0.57
F29	08 Feb 2022	75	11.58	84.63	4.6	33.63	7.8	25.6	0.57
F29	08 Feb 2022	76	11.53	84.61	4.5	33.65	7.8	25.6	0.56
F29	08 Feb 2022	77	11.57	84.39	4.4	33.67	7.8	25.6	0.55
F29	08 Feb 2022	78	11.58	84.69	4.4	33.67	7.8	25.6	0.55
F29	08 Feb 2022	79	11.56	84.80	4.4	33.67	7.8	25.6	0.55
F29	08 Feb 2022	80	11.49	84.59	4.3	33.66	7.8	25.6	0.54
F29	08 Feb 2022	81	11.33	84.04	4.2	33.64	7.8	25.7	0.53
F29	08 Feb 2022	82	11.16	81.74	4.0	33.61	7.8	25.7	0.52
F29	08 Feb 2022	83	11.13	80.53	3.8	33.61	7.7	25.7	0.51
F29	08 Feb 2022	84	11.14	79.96	3.9	33.62	7.7	25.7	0.51
F29	08 Feb 2022	85	11.17	80.27	4.0	33.62	7.7	25.7	0.51
F29	08 Feb 2022	86	11.31	81.23	4.2	33.67	7.8	25.7	0.51
F29	08 Feb 2022	87	11.25	82.55	4.1	33.70	7.8	25.7	0.51
F29	08 Feb 2022	88	11.18	82.98	4.1	33.72	7.8	25.7	0.50
F29	08 Feb 2022	89	11.15	84.06	4.2	33.76	7.8	25.8	0.50
F29	08 Feb 2022	90	11.11	85.03	4.2	33.76	7.8	25.8	0.49
F29	08 Feb 2022	91	11.05	85.18	4.1	33.78	7.8	25.8	0.49
F29	08 Feb 2022	92	11.00	85.18	4.0	33.80	7.8	25.8	0.49
F29	08 Feb 2022	93	10.92	85.20	3.9	33.82	7.8	25.9	0.49
F29	08 Feb 2022	94	10.86	85.09	3.8	33.84	7.8	25.9	0.48
F29	08 Feb 2022	95	10.84	84.71	3.8	33.84	7.7	25.9	0.50
F29	08 Feb 2022	96	10.83	84.40	3.8	33.84	7.7	25.9	0.48
F29	08 Feb 2022	97	10.83	84.32	3.8	33.85	7.7	25.9	0.48
F29	08 Feb 2022	98	10.83	84.23	3.8	33.85	7.7	25.9	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F29	08 Feb 2022	99	10.83	84.16	3.8	33.85	7.7	25.9	0.48
F30	08 Feb 2022	1	15.44	84.66	7.9	33.48	8.1	24.7	0.59
F30	08 Feb 2022	2	15.39	84.58	7.8	33.48	8.1	24.7	0.59
F30	08 Feb 2022	3	15.28	84.52	7.9	33.47	8.1	24.7	0.60
F30	08 Feb 2022	4	15.27	84.46	7.9	33.47	8.1	24.7	0.61
F30	08 Feb 2022	5	15.26	84.44	7.8	33.47	8.1	24.7	0.63
F30	08 Feb 2022	6	15.26	84.43	7.9	33.47	8.1	24.7	0.63
F30	08 Feb 2022	7	15.25	84.42	7.8	33.47	8.1	24.7	0.62
F30	08 Feb 2022	8	15.25	84.44	7.8	33.47	8.1	24.7	0.63
F30	08 Feb 2022	9	15.25	84.42	7.8	33.47	8.1	24.7	0.65
F30	08 Feb 2022	10	15.24	84.38	7.9	33.47	8.1	24.7	0.64
F30	08 Feb 2022	11	15.24	84.41	7.9	33.47	8.1	24.7	0.65
F30	08 Feb 2022	12	15.24	84.31	7.8	33.47	8.1	24.7	0.66
F30	08 Feb 2022	13	15.24	84.45	7.8	33.47	8.1	24.7	0.66
F30	08 Feb 2022	14	15.23	84.42	7.8	33.47	8.1	24.7	0.68
F30	08 Feb 2022	15	15.23	84.44	7.8	33.47	8.1	24.7	0.68
F30	08 Feb 2022	16	15.23	84.29	7.9	33.47	8.1	24.7	0.69
F30	08 Feb 2022	17	15.22	84.33	7.9	33.47	8.1	24.7	0.71
F30	08 Feb 2022	18	15.22	84.45	7.8	33.47	8.1	24.7	0.73
F30	08 Feb 2022	19	15.21	84.46	7.8	33.47	8.1	24.7	0.73
F30	08 Feb 2022	20	15.21	84.49	7.9	33.47	8.1	24.8	0.73
F30	08 Feb 2022	21	15.20	84.49	7.8	33.47	8.1	24.8	0.73
F30	08 Feb 2022	22	15.19	84.52	7.8	33.47	8.1	24.8	0.74
F30	08 Feb 2022	23	15.16	84.51	7.8	33.47	8.1	24.8	0.75
F30	08 Feb 2022	24	15.13	84.32	7.8	33.48	8.1	24.8	0.79
F30	08 Feb 2022	25	15.11	84.32	7.8	33.48	8.1	24.8	0.85
F30	08 Feb 2022	26	15.09	84.29	7.9	33.48	8.1	24.8	0.91
F30	08 Feb 2022	27	15.06	84.26	7.9	33.48	8.1	24.8	0.97
F30	08 Feb 2022	28	15.03	84.18	7.9	33.48	8.1	24.8	1.07
F30	08 Feb 2022	29	15.00	84.00	7.9	33.47	8.1	24.8	1.22
F30	08 Feb 2022	30	14.97	83.85	7.8	33.47	8.1	24.8	1.38
F30	08 Feb 2022	31	14.85	83.62	7.7	33.46	8.1	24.8	1.61
F30	08 Feb 2022	32	14.59	83.27	7.4	33.44	8.1	24.9	1.80
F30	08 Feb 2022	33	14.35	83.33	7.3	33.42	8.1	24.9	1.92
F30	08 Feb 2022	34	14.27	83.35	7.2	33.41	8.1	24.9	1.97
F30	08 Feb 2022	35	14.17	83.39	7.2	33.40	8.0	24.9	2.04
F30	08 Feb 2022	36	14.10	83.35	7.1	33.39	8.0	24.9	2.08
F30	08 Feb 2022	37	14.00	83.51	7.0	33.39	8.0	24.9	2.10
F30	08 Feb 2022	38	13.95	83.41	7.0	33.39	8.0	24.9	2.16
F30	08 Feb 2022	39	13.90	83.47	7.0	33.38	8.0	25.0	2.22
F30	08 Feb 2022	40	13.80	83.29	6.8	33.38	8.0	25.0	2.26
F30	08 Feb 2022	41	13.73	83.61	6.6	33.40	8.0	25.0	2.03
F30	08 Feb 2022	42	13.60	84.07	6.5	33.42	8.0	25.1	1.90
F30	08 Feb 2022	43	13.52	84.25	6.4	33.43	8.0	25.1	1.74
F30	08 Feb 2022	44	13.45	84.46	6.4	33.43	8.0	25.1	1.66
F30	08 Feb 2022	45	13.29	84.51	6.3	33.42	8.0	25.1	1.61
F30	08 Feb 2022	46	13.20	84.62	6.2	33.42	7.9	25.1	1.55
F30	08 Feb 2022	47	13.15	84.62	6.2	33.43	7.9	25.1	1.54
F30	08 Feb 2022	48	13.00	84.62	6.1	33.43	7.9	25.2	1.55
F30	08 Feb 2022	49	12.87	84.67	6.1	33.43	7.9	25.2	1.51
F30	08 Feb 2022	50	12.85	84.68	6.1	33.43	7.9	25.2	1.47
F30	08 Feb 2022	51	12.75	84.69	6.0	33.43	7.9	25.2	1.43
F30	08 Feb 2022	52	12.66	84.71	6.0	33.43	7.9	25.2	1.37
F30	08 Feb 2022	53	12.53	84.79	5.9	33.44	7.9	25.3	1.33
F30	08 Feb 2022	54	12.49	84.83	5.9	33.44	7.9	25.3	1.31
F30	08 Feb 2022	55	12.36	84.89	5.9	33.45	7.9	25.3	1.26
F30	08 Feb 2022	56	12.34	84.92	5.8	33.45	7.9	25.3	1.22
F30	08 Feb 2022	57	12.32	84.94	5.7	33.46	7.9	25.3	1.18
F30	08 Feb 2022	58	12.25	84.97	5.6	33.48	7.9	25.4	1.12
F30	08 Feb 2022	59	12.19	85.00	5.5	33.49	7.9	25.4	1.04

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	08 Feb 2022	60	12.17	85.03	5.5	33.49	7.9	25.4	1.00
F30	08 Feb 2022	61	12.16	85.03	5.5	33.49	7.9	25.4	0.99
F30	08 Feb 2022	62	12.16	85.02	5.5	33.49	7.9	25.4	0.96
F30	08 Feb 2022	63	12.11	85.05	5.5	33.50	7.9	25.4	0.96
F30	08 Feb 2022	64	11.99	85.05	5.5	33.51	7.9	25.4	0.95
F30	08 Feb 2022	65	11.93	85.12	5.4	33.51	7.9	25.4	0.90
F30	08 Feb 2022	66	11.87	85.14	5.4	33.52	7.8	25.5	0.87
F30	08 Feb 2022	67	11.81	85.16	5.3	33.53	7.8	25.5	0.84
F30	08 Feb 2022	68	11.76	85.07	5.1	33.55	7.8	25.5	0.79
F30	08 Feb 2022	69	11.71	85.01	4.9	33.56	7.8	25.5	0.75
F30	08 Feb 2022	70	11.62	84.23	4.8	33.56	7.8	25.5	0.70
F30	08 Feb 2022	71	11.61	83.93	4.8	33.56	7.8	25.5	0.72
F30	08 Feb 2022	72	11.61	83.85	4.8	33.55	7.8	25.5	0.69
F30	08 Feb 2022	73	11.58	83.69	4.8	33.55	7.8	25.5	0.66
F30	08 Feb 2022	74	11.51	83.48	4.6	33.55	7.8	25.6	0.67
F30	08 Feb 2022	75	11.35	82.25	4.3	33.56	7.8	25.6	0.63
F30	08 Feb 2022	76	11.39	81.68	4.3	33.58	7.8	25.6	0.62
F30	08 Feb 2022	77	11.42	81.97	4.3	33.60	7.8	25.6	0.60
F30	08 Feb 2022	78	11.45	82.92	4.4	33.62	7.8	25.6	0.58
F30	08 Feb 2022	79	11.40	82.88	4.3	33.62	7.8	25.6	0.58
F30	08 Feb 2022	80	11.35	82.49	4.2	33.62	7.8	25.6	0.58
F30	08 Feb 2022	81	11.31	82.32	4.2	33.62	7.8	25.6	0.59
F30	08 Feb 2022	82	11.27	82.12	4.1	33.61	7.8	25.6	0.57
F30	08 Feb 2022	83	11.22	81.66	4.0	33.60	7.8	25.6	0.58
F30	08 Feb 2022	84	11.10	80.98	4.0	33.59	7.7	25.7	0.57
F30	08 Feb 2022	85	11.08	80.27	3.9	33.59	7.7	25.7	0.55
F30	08 Feb 2022	86	11.06	79.88	3.9	33.59	7.7	25.7	0.56
F30	08 Feb 2022	87	11.05	79.92	3.9	33.59	7.7	25.7	0.56
F30	08 Feb 2022	88	11.03	79.91	3.9	33.60	7.7	25.7	0.56
F30	08 Feb 2022	89	11.01	80.24	3.9	33.62	7.7	25.7	0.55
F30	08 Feb 2022	90	11.01	80.83	3.9	33.65	7.7	25.7	0.55
F30	08 Feb 2022	91	11.01	81.35	3.9	33.67	7.7	25.7	0.55
F30	08 Feb 2022	92	10.97	82.06	3.9	33.71	7.7	25.8	0.54
F30	08 Feb 2022	93	10.95	82.62	3.9	33.73	7.7	25.8	0.56
F30	08 Feb 2022	94	10.90	83.30	3.9	33.80	7.7	25.9	0.53
F30	08 Feb 2022	95	10.80	84.72	3.8	33.85	7.7	25.9	0.53
F30	08 Feb 2022	96	10.77	85.12	3.7	33.86	7.7	25.9	0.52
F30	08 Feb 2022	97	10.74	84.90	3.7	33.87	7.7	25.9	0.48
F30	08 Feb 2022	98	10.66	84.64	3.6	33.90	7.7	26.0	0.49
F31	08 Feb 2022	1	15.34	84.27	7.9	33.48	8.1	24.7	0.70
F31	08 Feb 2022	2	15.36	84.34	7.8	33.48	8.1	24.7	0.70
F31	08 Feb 2022	3	15.27	84.37	7.8	33.48	8.1	24.7	0.70
F31	08 Feb 2022	4	15.25	84.34	7.9	33.48	8.1	24.7	0.71
F31	08 Feb 2022	5	15.24	84.33	7.8	33.48	8.1	24.7	0.71
F31	08 Feb 2022	6	15.24	84.35	7.8	33.48	8.1	24.7	0.72
F31	08 Feb 2022	7	15.24	84.17	7.9	33.48	8.1	24.7	0.71
F31	08 Feb 2022	8	15.23	84.33	7.9	33.48	8.1	24.7	0.71
F31	08 Feb 2022	9	15.23	84.37	7.8	33.48	8.1	24.7	0.71
F31	08 Feb 2022	10	15.23	84.37	7.9	33.48	8.1	24.7	0.72
F31	08 Feb 2022	11	15.23	84.41	7.8	33.48	8.1	24.7	0.72
F31	08 Feb 2022	12	15.23	84.39	7.9	33.48	8.1	24.7	0.73
F31	08 Feb 2022	13	15.23	84.31	7.9	33.48	8.1	24.7	0.74
F31	08 Feb 2022	14	15.22	84.37	7.9	33.48	8.1	24.7	0.75
F31	08 Feb 2022	15	15.22	84.35	7.9	33.48	8.1	24.8	0.76
F31	08 Feb 2022	16	15.22	84.35	7.9	33.48	8.1	24.8	0.77
F31	08 Feb 2022	17	15.21	84.36	7.9	33.48	8.1	24.8	0.78
F31	08 Feb 2022	18	15.20	84.37	7.9	33.48	8.1	24.8	0.78
F31	08 Feb 2022	19	15.19	84.35	7.9	33.48	8.1	24.8	0.81
F31	08 Feb 2022	20	15.17	84.35	7.9	33.48	8.1	24.8	0.83
F31	08 Feb 2022	21	15.14	84.36	7.8	33.48	8.1	24.8	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	08 Feb 2022	22	15.11	84.37	7.9	33.47	8.1	24.8	0.85
F31	08 Feb 2022	23	15.07	84.36	7.9	33.48	8.1	24.8	0.89
F31	08 Feb 2022	24	15.05	84.18	7.9	33.48	8.1	24.8	0.93
F31	08 Feb 2022	25	15.05	84.20	7.9	33.48	8.1	24.8	0.96
F31	08 Feb 2022	26	15.04	84.13	7.9	33.48	8.1	24.8	0.99
F31	08 Feb 2022	27	15.01	84.10	7.9	33.48	8.1	24.8	1.03
F31	08 Feb 2022	28	14.98	84.07	7.9	33.48	8.1	24.8	1.16
F31	08 Feb 2022	29	14.95	83.88	7.9	33.48	8.1	24.8	1.25
F31	08 Feb 2022	30	14.91	83.69	7.9	33.47	8.1	24.8	1.44
F31	08 Feb 2022	31	14.81	83.59	7.7	33.45	8.1	24.8	1.65
F31	08 Feb 2022	32	14.67	83.27	7.7	33.44	8.1	24.8	2.00
F31	08 Feb 2022	33	14.66	82.83	7.6	33.45	8.1	24.9	2.20
F31	08 Feb 2022	34	14.60	82.83	7.6	33.45	8.1	24.9	2.34
F31	08 Feb 2022	35	14.49	82.93	7.4	33.45	8.1	24.9	2.36
F31	08 Feb 2022	36	14.44	83.00	7.4	33.44	8.1	24.9	2.40
F31	08 Feb 2022	37	14.36	82.98	7.2	33.44	8.1	24.9	2.50
F31	08 Feb 2022	38	14.17	82.93	7.0	33.42	8.0	24.9	2.55
F31	08 Feb 2022	39	13.96	83.09	7.0	33.40	8.0	25.0	2.48
F31	08 Feb 2022	40	13.86	83.12	7.0	33.39	8.0	25.0	2.48
F31	08 Feb 2022	41	13.73	83.22	6.8	33.38	8.0	25.0	2.41
F31	08 Feb 2022	42	13.63	83.41	6.8	33.37	8.0	25.0	2.23
F31	08 Feb 2022	43	13.51	83.60	6.7	33.37	8.0	25.0	2.12
F31	08 Feb 2022	44	13.42	83.78	6.6	33.37	8.0	25.0	2.00
F31	08 Feb 2022	45	13.32	83.96	6.4	33.40	8.0	25.1	1.91
F31	08 Feb 2022	46	13.26	84.19	6.3	33.41	8.0	25.1	1.75
F31	08 Feb 2022	47	13.13	84.39	6.3	33.41	7.9	25.1	1.63
F31	08 Feb 2022	48	13.07	84.59	6.2	33.42	7.9	25.2	1.59
F31	08 Feb 2022	49	13.03	84.61	6.2	33.42	7.9	25.2	1.55
F31	08 Feb 2022	50	12.96	84.74	6.1	33.43	7.9	25.2	1.54
F31	08 Feb 2022	51	12.89	84.75	6.1	33.43	7.9	25.2	1.49
F31	08 Feb 2022	52	12.85	84.77	6.0	33.43	7.9	25.2	1.52
F31	08 Feb 2022	53	12.75	84.81	6.0	33.44	7.9	25.2	1.45
F31	08 Feb 2022	54	12.69	84.85	6.0	33.44	7.9	25.2	1.44
F31	08 Feb 2022	55	12.64	84.84	6.0	33.44	7.9	25.3	1.41
F31	08 Feb 2022	56	12.58	84.86	5.9	33.44	7.9	25.3	1.42
F31	08 Feb 2022	57	12.47	84.87	5.9	33.44	7.9	25.3	1.37
F31	08 Feb 2022	58	12.37	84.89	5.8	33.45	7.9	25.3	1.32
F31	08 Feb 2022	59	12.26	84.95	5.7	33.46	7.9	25.3	1.26
F31	08 Feb 2022	60	12.21	85.00	5.6	33.47	7.9	25.4	1.16
F31	08 Feb 2022	61	12.02	85.03	5.4	33.51	7.9	25.4	1.05
F31	08 Feb 2022	62	11.95	85.08	5.4	33.51	7.8	25.4	0.98
F31	08 Feb 2022	63	11.89	85.17	5.3	33.52	7.8	25.5	0.93
F31	08 Feb 2022	64	11.88	85.18	5.3	33.52	7.8	25.5	0.90
F31	08 Feb 2022	65	11.87	85.16	5.3	33.52	7.8	25.5	0.89
F31	08 Feb 2022	66	11.84	85.16	5.3	33.53	7.8	25.5	0.88
F31	08 Feb 2022	67	11.82	85.16	5.2	33.53	7.8	25.5	0.86
F31	08 Feb 2022	68	11.78	85.13	5.1	33.54	7.8	25.5	0.84
F31	08 Feb 2022	69	11.74	85.07	5.0	33.56	7.8	25.5	0.79
F31	08 Feb 2022	70	11.72	85.04	4.9	33.58	7.8	25.5	0.76
F31	08 Feb 2022	71	11.70	84.97	4.9	33.58	7.8	25.5	0.74
F31	08 Feb 2022	72	11.67	84.90	4.8	33.59	7.8	25.6	0.73
F31	08 Feb 2022	73	11.54	84.50	4.8	33.57	7.8	25.6	0.72
F31	08 Feb 2022	74	11.53	83.82	4.7	33.58	7.8	25.6	0.70
F31	08 Feb 2022	75	11.63	84.23	4.6	33.64	7.8	25.6	0.68
F31	08 Feb 2022	76	11.60	84.91	4.5	33.67	7.8	25.6	0.67
F31	08 Feb 2022	77	11.58	85.12	4.4	33.68	7.8	25.6	0.65
F31	08 Feb 2022	78	11.57	85.11	4.4	33.68	7.8	25.6	0.65
F31	08 Feb 2022	79	11.55	85.12	4.4	33.69	7.8	25.7	0.65
F31	08 Feb 2022	80	11.52	85.12	4.4	33.69	7.8	25.7	0.64
F31	08 Feb 2022	81	11.46	85.09	4.3	33.70	7.8	25.7	0.63
F31	08 Feb 2022	82	11.44	85.14	4.3	33.71	7.8	25.7	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	08 Feb 2022	83	11.41	85.15	4.3	33.72	7.8	25.7	0.62
F31	08 Feb 2022	84	11.36	85.15	4.3	33.73	7.8	25.7	0.62
F31	08 Feb 2022	85	11.30	85.10	4.3	33.73	7.8	25.7	0.61
F31	08 Feb 2022	86	11.23	85.20	4.2	33.75	7.8	25.8	0.60
F31	08 Feb 2022	87	11.19	85.25	4.2	33.75	7.8	25.8	0.58
F31	08 Feb 2022	88	11.16	85.27	4.2	33.76	7.8	25.8	0.60
F31	08 Feb 2022	89	11.14	85.28	4.2	33.76	7.8	25.8	0.59
F31	08 Feb 2022	90	11.08	85.25	4.1	33.77	7.8	25.8	0.59
F31	08 Feb 2022	91	11.00	85.26	4.0	33.80	7.8	25.8	0.59
F31	08 Feb 2022	92	10.89	85.29	3.9	33.83	7.7	25.9	0.58
F31	08 Feb 2022	93	10.80	85.21	3.8	33.85	7.7	25.9	0.58
F31	08 Feb 2022	94	10.78	85.05	3.7	33.86	7.7	25.9	0.57
F31	08 Feb 2022	95	10.75	84.95	3.7	33.86	7.7	25.9	0.57
F31	08 Feb 2022	96	10.69	84.80	3.7	33.88	7.7	26.0	0.57
F31	08 Feb 2022	97	10.68	84.71	3.6	33.89	7.7	26.0	0.56
F31	08 Feb 2022	98	10.67	84.54	3.6	33.89	7.7	26.0	0.57
F31	08 Feb 2022	99	10.69	84.34	3.6	33.89	7.7	26.0	0.57
F32	08 Feb 2022	1	15.40	84.61	7.9	33.48	8.1	24.7	0.51
F32	08 Feb 2022	2	15.30	84.51	7.8	33.48	8.1	24.7	0.52
F32	08 Feb 2022	3	15.25	84.46	7.8	33.48	8.1	24.7	0.53
F32	08 Feb 2022	4	15.24	84.43	7.9	33.48	8.1	24.7	0.54
F32	08 Feb 2022	5	15.24	84.46	7.8	33.48	8.1	24.7	0.53
F32	08 Feb 2022	6	15.23	84.45	7.8	33.48	8.1	24.7	0.55
F32	08 Feb 2022	7	15.23	84.43	7.9	33.48	8.1	24.7	0.55
F32	08 Feb 2022	8	15.23	84.45	7.9	33.48	8.1	24.7	0.56
F32	08 Feb 2022	9	15.22	84.46	7.9	33.48	8.1	24.8	0.57
F32	08 Feb 2022	10	15.22	84.40	7.9	33.48	8.1	24.8	0.57
F32	08 Feb 2022	11	15.22	84.49	7.9	33.48	8.1	24.8	0.60
F32	08 Feb 2022	12	15.22	84.49	7.9	33.48	8.1	24.8	0.58
F32	08 Feb 2022	13	15.22	84.44	7.8	33.48	8.1	24.8	0.60
F32	08 Feb 2022	14	15.22	84.44	7.9	33.48	8.1	24.8	0.61
F32	08 Feb 2022	15	15.22	84.43	7.8	33.48	8.1	24.8	0.63
F32	08 Feb 2022	16	15.21	84.48	7.9	33.48	8.1	24.8	0.64
F32	08 Feb 2022	17	15.20	84.43	7.9	33.48	8.1	24.8	0.65
F32	08 Feb 2022	18	15.20	84.48	7.9	33.48	8.1	24.8	0.67
F32	08 Feb 2022	19	15.18	84.49	7.9	33.48	8.1	24.8	0.67
F32	08 Feb 2022	20	15.15	84.47	7.9	33.48	8.1	24.8	0.67
F32	08 Feb 2022	21	15.12	84.46	7.9	33.48	8.1	24.8	0.70
F32	08 Feb 2022	22	15.09	84.43	7.9	33.48	8.1	24.8	0.73
F32	08 Feb 2022	23	15.07	84.42	7.9	33.48	8.1	24.8	0.76
F32	08 Feb 2022	24	15.03	84.37	7.9	33.48	8.1	24.8	0.84
F32	08 Feb 2022	25	14.94	84.24	7.9	33.48	8.1	24.8	1.01
F32	08 Feb 2022	26	14.84	83.76	7.8	33.46	8.1	24.8	1.31
F32	08 Feb 2022	27	14.79	83.42	7.7	33.46	8.1	24.8	1.47
F32	08 Feb 2022	28	14.77	83.41	7.7	33.45	8.1	24.8	1.52
F32	08 Feb 2022	29	14.75	83.41	7.7	33.45	8.1	24.8	1.59
F32	08 Feb 2022	30	14.72	83.59	7.6	33.45	8.1	24.8	1.59
F32	08 Feb 2022	31	14.70	83.67	7.6	33.45	8.1	24.8	1.62
F32	08 Feb 2022	32	14.64	83.52	7.5	33.45	8.1	24.9	1.71
F32	08 Feb 2022	33	14.58	83.63	7.4	33.44	8.1	24.9	1.72
F32	08 Feb 2022	34	14.35	83.49	7.3	33.42	8.1	24.9	1.85
F32	08 Feb 2022	35	14.25	83.22	7.2	33.41	8.0	24.9	2.24
F32	08 Feb 2022	36	14.18	83.03	7.1	33.43	8.0	24.9	2.53
F32	08 Feb 2022	37	14.15	82.92	7.0	33.43	8.0	24.9	2.65
F32	08 Feb 2022	38	14.10	82.98	7.0	33.43	8.0	25.0	2.53
F32	08 Feb 2022	39	13.88	83.36	6.7	33.41	8.0	25.0	2.24
F32	08 Feb 2022	40	13.57	83.78	6.6	33.39	8.0	25.0	2.10
F32	08 Feb 2022	41	13.42	83.87	6.5	33.39	8.0	25.1	1.88
F32	08 Feb 2022	42	13.35	84.12	6.4	33.39	8.0	25.1	1.75
F32	08 Feb 2022	43	13.29	84.32	6.4	33.39	8.0	25.1	1.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	08 Feb 2022	44	13.21	84.43	6.3	33.40	8.0	25.1	1.62
F32	08 Feb 2022	45	13.11	84.48	6.3	33.40	8.0	25.1	1.57
F32	08 Feb 2022	46	13.03	84.56	6.2	33.41	7.9	25.2	1.55
F32	08 Feb 2022	47	12.98	84.60	6.1	33.42	7.9	25.2	1.49
F32	08 Feb 2022	48	12.87	84.67	6.0	33.42	7.9	25.2	1.43
F32	08 Feb 2022	49	12.81	84.76	6.0	33.43	7.9	25.2	1.44
F32	08 Feb 2022	50	12.77	84.81	6.0	33.43	7.9	25.2	1.38
F32	08 Feb 2022	51	12.72	84.74	5.9	33.43	7.9	25.2	1.35
F32	08 Feb 2022	52	12.48	84.83	5.9	33.45	7.9	25.3	1.32
F32	08 Feb 2022	53	12.33	84.94	5.8	33.45	7.9	25.3	1.24
F32	08 Feb 2022	54	12.26	84.98	5.7	33.45	7.9	25.3	1.18
F32	08 Feb 2022	55	12.06	85.06	5.5	33.48	7.9	25.4	1.06
F32	08 Feb 2022	56	11.93	85.06	5.3	33.51	7.9	25.4	0.91
F32	08 Feb 2022	57	11.92	85.12	5.3	33.51	7.8	25.4	0.84
F32	08 Feb 2022	58	11.91	85.13	5.3	33.52	7.8	25.5	0.84
F32	08 Feb 2022	59	11.90	85.12	5.3	33.52	7.8	25.5	0.81
F32	08 Feb 2022	60	11.90	85.12	5.3	33.52	7.8	25.5	0.81
F32	08 Feb 2022	61	11.89	85.15	5.4	33.52	7.8	25.5	0.81
F32	08 Feb 2022	62	11.89	85.15	5.4	33.52	7.8	25.5	0.80
F32	08 Feb 2022	63	11.89	85.15	5.3	33.52	7.8	25.5	0.80
F32	08 Feb 2022	64	11.88	85.13	5.4	33.52	7.8	25.5	0.80
F32	08 Feb 2022	65	11.84	85.16	5.4	33.53	7.8	25.5	0.80
F32	08 Feb 2022	66	11.80	85.14	5.3	33.54	7.8	25.5	0.77
F32	08 Feb 2022	67	11.78	85.15	5.1	33.55	7.8	25.5	0.75
F32	08 Feb 2022	68	11.76	85.10	5.1	33.55	7.8	25.5	0.70
F32	08 Feb 2022	69	11.69	85.12	4.9	33.58	7.8	25.5	0.67
F32	08 Feb 2022	70	11.63	85.14	4.9	33.60	7.8	25.6	0.65
F32	08 Feb 2022	71	11.58	85.14	4.9	33.60	7.8	25.6	0.62
F32	08 Feb 2022	72	11.48	85.13	4.9	33.61	7.8	25.6	0.61
F32	08 Feb 2022	73	11.43	85.07	4.8	33.61	7.8	25.6	0.60
F32	08 Feb 2022	74	11.37	84.72	4.7	33.62	7.8	25.6	0.58
F32	08 Feb 2022	75	11.34	84.29	4.6	33.62	7.8	25.6	0.56
F32	08 Feb 2022	76	11.34	84.30	4.6	33.63	7.8	25.6	0.56
F32	08 Feb 2022	77	11.33	84.39	4.6	33.65	7.8	25.7	0.54
F32	08 Feb 2022	78	11.28	84.56	4.4	33.66	7.8	25.7	0.52
F32	08 Feb 2022	79	11.21	84.09	4.2	33.65	7.8	25.7	0.50
F32	08 Feb 2022	80	11.14	83.30	4.0	33.65	7.8	25.7	0.50
F32	08 Feb 2022	81	11.11	82.22	4.0	33.65	7.8	25.7	0.49
F32	08 Feb 2022	82	11.13	81.93	4.1	33.66	7.8	25.7	0.48
F32	08 Feb 2022	83	11.12	82.16	4.2	33.68	7.8	25.7	0.49
F32	08 Feb 2022	84	11.12	82.94	4.2	33.70	7.8	25.7	0.48
F32	08 Feb 2022	85	11.11	83.30	4.2	33.70	7.8	25.7	0.49
F32	08 Feb 2022	86	11.10	83.38	4.2	33.70	7.8	25.7	0.48
F32	08 Feb 2022	87	11.09	83.42	4.2	33.73	7.8	25.8	0.46
F32	08 Feb 2022	88	11.10	84.24	4.2	33.76	7.8	25.8	0.46
F32	08 Feb 2022	89	11.07	84.69	4.1	33.77	7.8	25.8	0.47
F32	08 Feb 2022	90	11.05	85.00	4.1	33.78	7.8	25.8	0.46
F32	08 Feb 2022	91	11.03	85.18	4.0	33.79	7.8	25.8	0.45
F32	08 Feb 2022	92	11.03	85.24	4.0	33.79	7.8	25.8	0.44
F32	08 Feb 2022	93	10.97	85.26	4.0	33.81	7.8	25.9	0.45
F32	08 Feb 2022	94	10.92	85.28	3.9	33.82	7.7	25.9	0.45
F32	08 Feb 2022	95	10.90	85.13	3.9	33.83	7.7	25.9	0.46
F32	08 Feb 2022	96	10.87	84.90	3.9	33.83	7.7	25.9	0.45
F32	08 Feb 2022	97	10.87	84.52	3.8	33.83	7.7	25.9	0.45
F32	08 Feb 2022	98	10.83	84.28	3.8	33.84	7.7	25.9	0.46
F32	08 Feb 2022	99	10.79	84.12	3.8	33.86	7.7	25.9	0.47
F32	08 Feb 2022	100	10.73	84.15	3.7	33.88	7.7	25.9	0.46
F32	08 Feb 2022	101	10.66	84.41	3.6	33.90	7.7	26.0	0.45
F33	08 Feb 2022	1	15.30	84.22	7.8	33.48	8.1	24.7	0.54
F33	08 Feb 2022	2	15.30	84.17	7.9	33.48	8.1	24.7	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F33	08 Feb 2022	3	15.25	84.23	7.9	33.48	8.1	24.7	0.53
F33	08 Feb 2022	4	15.21	84.23	7.9	33.48	8.1	24.8	0.54
F33	08 Feb 2022	5	15.20	84.08	7.9	33.48	8.1	24.8	0.55
F33	08 Feb 2022	6	15.20	84.12	7.9	33.48	8.1	24.8	0.57
F33	08 Feb 2022	7	15.20	84.04	7.9	33.48	8.1	24.8	0.58
F33	08 Feb 2022	8	15.19	84.15	7.8	33.48	8.1	24.8	0.60
F33	08 Feb 2022	9	15.19	84.07	7.8	33.48	8.1	24.8	0.60
F33	08 Feb 2022	10	15.18	83.95	7.9	33.48	8.1	24.8	0.61
F33	08 Feb 2022	11	15.18	84.10	7.8	33.48	8.1	24.8	0.62
F33	08 Feb 2022	12	15.17	84.11	7.8	33.48	8.1	24.8	0.64
F33	08 Feb 2022	13	15.17	84.07	7.8	33.48	8.1	24.8	0.65
F33	08 Feb 2022	14	15.16	84.04	7.9	33.48	8.1	24.8	0.67
F33	08 Feb 2022	15	15.16	84.03	7.9	33.48	8.1	24.8	0.68
F33	08 Feb 2022	16	15.16	84.10	7.9	33.48	8.1	24.8	0.69
F33	08 Feb 2022	17	15.16	84.11	7.9	33.48	8.1	24.8	0.71
F33	08 Feb 2022	18	15.15	84.09	7.8	33.48	8.1	24.8	0.74
F33	08 Feb 2022	19	15.14	84.02	7.8	33.48	8.1	24.8	0.74
F33	08 Feb 2022	20	15.12	84.06	7.8	33.47	8.1	24.8	0.78
F33	08 Feb 2022	21	15.07	84.04	7.8	33.47	8.1	24.8	0.89
F33	08 Feb 2022	22	15.00	83.78	7.8	33.46	8.1	24.8	1.08
F33	08 Feb 2022	23	14.96	83.49	7.7	33.46	8.1	24.8	1.22
F33	08 Feb 2022	24	14.91	83.41	7.7	33.46	8.1	24.8	1.28
F33	08 Feb 2022	25	14.77	83.35	7.7	33.45	8.1	24.8	1.42
F33	08 Feb 2022	26	14.65	83.08	7.5	33.45	8.1	24.9	1.54
F33	08 Feb 2022	27	14.60	83.16	7.5	33.45	8.1	24.9	1.62
F33	08 Feb 2022	28	14.55	83.18	7.4	33.45	8.1	24.9	1.61
F33	08 Feb 2022	29	14.51	83.24	7.4	33.45	8.1	24.9	1.62
F33	08 Feb 2022	30	14.43	83.28	7.3	33.44	8.1	24.9	1.70
F33	08 Feb 2022	31	14.31	83.26	7.1	33.44	8.0	24.9	1.70
F33	08 Feb 2022	32	14.26	83.24	7.1	33.44	8.0	24.9	1.77
F33	08 Feb 2022	33	14.11	83.27	7.0	33.42	8.0	24.9	1.85
F33	08 Feb 2022	34	14.04	83.27	7.0	33.41	8.0	24.9	1.87
F33	08 Feb 2022	35	13.94	83.25	7.0	33.40	8.0	25.0	1.97
F33	08 Feb 2022	36	13.82	83.10	6.9	33.39	8.0	25.0	2.13
F33	08 Feb 2022	37	13.79	83.16	6.9	33.39	8.0	25.0	2.20
F33	08 Feb 2022	38	13.78	83.31	6.8	33.39	8.0	25.0	2.14
F33	08 Feb 2022	39	13.62	83.42	6.6	33.40	8.0	25.0	2.03
F33	08 Feb 2022	40	13.32	83.70	6.3	33.41	8.0	25.1	1.89
F33	08 Feb 2022	41	13.26	83.88	6.3	33.41	8.0	25.1	1.75
F33	08 Feb 2022	42	13.25	84.11	6.3	33.41	8.0	25.1	1.69
F33	08 Feb 2022	43	13.19	84.16	6.2	33.41	8.0	25.1	1.62
F33	08 Feb 2022	44	13.04	84.21	6.2	33.42	7.9	25.2	1.57
F33	08 Feb 2022	45	12.92	84.28	6.1	33.43	7.9	25.2	1.51
F33	08 Feb 2022	46	12.82	84.38	6.0	33.43	7.9	25.2	1.46
F33	08 Feb 2022	47	12.76	84.39	6.0	33.44	7.9	25.2	1.41
F33	08 Feb 2022	48	12.66	84.43	5.9	33.44	7.9	25.2	1.40
F33	08 Feb 2022	49	12.53	84.43	5.9	33.45	7.9	25.3	1.32
F33	08 Feb 2022	50	12.45	84.54	5.8	33.45	7.9	25.3	1.30
F33	08 Feb 2022	51	12.41	84.51	5.8	33.45	7.9	25.3	1.26
F33	08 Feb 2022	52	12.39	84.62	5.8	33.45	7.9	25.3	1.25
F33	08 Feb 2022	53	12.38	84.65	5.8	33.45	7.9	25.3	1.24
F33	08 Feb 2022	54	12.33	84.67	5.8	33.46	7.9	25.3	1.18
F33	08 Feb 2022	55	12.30	84.65	5.7	33.46	7.9	25.3	1.15
F33	08 Feb 2022	56	12.24	84.70	5.7	33.46	7.9	25.4	1.12
F33	08 Feb 2022	57	12.11	84.77	5.6	33.48	7.9	25.4	1.07
F33	08 Feb 2022	58	12.07	84.79	5.6	33.48	7.9	25.4	1.04
F33	08 Feb 2022	59	12.04	84.83	5.6	33.48	7.9	25.4	1.00
F33	08 Feb 2022	60	11.98	84.82	5.5	33.50	7.9	25.4	0.95
F33	08 Feb 2022	61	11.89	84.86	5.3	33.52	7.8	25.5	0.88
F33	08 Feb 2022	62	11.86	84.82	5.2	33.53	7.8	25.5	0.83
F33	08 Feb 2022	63	11.84	84.78	5.2	33.53	7.8	25.5	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F33	08 Feb 2022	64	11.74	84.73	5.1	33.55	7.8	25.5	0.74
F33	08 Feb 2022	65	11.69	84.67	5.1	33.57	7.8	25.5	0.73
F33	08 Feb 2022	66	11.68	84.74	5.0	33.57	7.8	25.5	0.71
F33	08 Feb 2022	67	11.67	84.75	5.0	33.57	7.8	25.5	0.69
F33	08 Feb 2022	68	11.67	84.77	5.0	33.57	7.8	25.5	0.68
F33	08 Feb 2022	69	11.66	84.78	5.0	33.58	7.8	25.5	0.69
F33	08 Feb 2022	70	11.66	84.78	5.0	33.58	7.8	25.6	0.68
F33	08 Feb 2022	71	11.58	84.76	4.8	33.61	7.8	25.6	0.65
F33	08 Feb 2022	72	11.54	84.77	4.8	33.62	7.8	25.6	0.63
F33	08 Feb 2022	73	11.46	84.76	4.7	33.64	7.8	25.6	0.61
F33	08 Feb 2022	74	11.38	84.63	4.6	33.65	7.8	25.7	0.60
F33	08 Feb 2022	75	11.36	84.44	4.6	33.65	7.8	25.7	0.59
F33	08 Feb 2022	76	11.35	84.34	4.6	33.65	7.8	25.7	0.58
F33	08 Feb 2022	77	11.35	84.27	4.6	33.66	7.8	25.7	0.58
F33	08 Feb 2022	78	11.34	84.24	4.6	33.66	7.8	25.7	0.57
F33	08 Feb 2022	79	11.34	84.23	4.6	33.66	7.8	25.7	0.55
F33	08 Feb 2022	80	11.34	84.19	4.6	33.66	7.8	25.7	0.55
F33	08 Feb 2022	81	11.33	84.16	4.6	33.66	7.8	25.7	0.54
F33	08 Feb 2022	82	11.27	83.90	4.5	33.68	7.8	25.7	0.54
F33	08 Feb 2022	83	11.23	83.34	4.4	33.69	7.8	25.7	0.53
F33	08 Feb 2022	84	11.20	82.93	4.3	33.70	7.8	25.7	0.52
F33	08 Feb 2022	85	11.18	82.80	4.3	33.71	7.8	25.7	0.52
F33	08 Feb 2022	86	11.15	82.70	4.3	33.72	7.8	25.8	0.51
F33	08 Feb 2022	87	11.13	82.56	4.2	33.73	7.8	25.8	0.52
F33	08 Feb 2022	88	11.12	82.42	4.2	33.73	7.8	25.8	0.51
F33	08 Feb 2022	89	11.10	82.41	4.2	33.74	7.8	25.8	0.50
F33	08 Feb 2022	90	11.08	82.48	4.2	33.74	7.8	25.8	0.51
F33	08 Feb 2022	91	11.03	82.68	4.1	33.77	7.8	25.8	0.50
F33	08 Feb 2022	92	10.97	82.92	4.0	33.79	7.8	25.8	0.50
F33	08 Feb 2022	93	10.91	83.08	3.9	33.81	7.7	25.9	0.50
F33	08 Feb 2022	94	10.81	83.35	3.8	33.85	7.7	25.9	0.49
F33	08 Feb 2022	95	10.72	83.71	3.7	33.88	7.7	25.9	0.48
F33	08 Feb 2022	96	10.69	84.07	3.6	33.89	7.7	26.0	0.48
F33	08 Feb 2022	97	10.69	84.10	3.7	33.89	7.7	26.0	0.48
F33	08 Feb 2022	98	10.67	84.26	3.6	33.90	7.7	26.0	0.47
F33	08 Feb 2022	99	10.65	84.25	3.6	33.91	7.7	26.0	0.46
F33	08 Feb 2022	100	10.65	84.18	3.6	33.91	7.7	26.0	0.46
F34	08 Feb 2022	1	15.21	83.71	7.9	33.47	8.1	24.7	0.69
F34	08 Feb 2022	2	15.21	83.68	7.9	33.47	8.1	24.7	0.68
F34	08 Feb 2022	3	15.21	83.83	7.9	33.47	8.1	24.7	0.68
F34	08 Feb 2022	4	15.20	83.81	7.9	33.47	8.1	24.8	0.69
F34	08 Feb 2022	5	15.19	83.77	7.9	33.47	8.1	24.8	0.69
F34	08 Feb 2022	6	15.18	83.76	7.9	33.47	8.1	24.8	0.71
F34	08 Feb 2022	7	15.18	83.72	7.9	33.47	8.1	24.8	0.73
F34	08 Feb 2022	8	15.17	83.74	7.9	33.47	8.1	24.8	0.76
F34	08 Feb 2022	9	15.10	83.77	7.9	33.47	8.1	24.8	0.86
F34	08 Feb 2022	10	15.03	83.43	8.0	33.46	8.1	24.8	1.02
F34	08 Feb 2022	11	14.98	82.99	8.0	33.46	8.1	24.8	1.12
F34	08 Feb 2022	12	14.95	82.82	8.0	33.46	8.1	24.8	1.23
F34	08 Feb 2022	13	14.93	82.90	8.0	33.46	8.1	24.8	1.27
F34	08 Feb 2022	14	14.92	82.88	8.0	33.46	8.1	24.8	1.32
F34	08 Feb 2022	15	14.91	82.89	8.0	33.46	8.1	24.8	1.35
F34	08 Feb 2022	16	14.91	83.06	8.0	33.46	8.1	24.8	1.34
F34	08 Feb 2022	17	14.90	82.91	8.0	33.46	8.1	24.8	1.36
F34	08 Feb 2022	18	14.89	83.00	8.0	33.46	8.1	24.8	1.40
F34	08 Feb 2022	19	14.87	83.08	8.0	33.46	8.1	24.8	1.40
F34	08 Feb 2022	20	14.86	82.95	8.0	33.46	8.1	24.8	1.46
F34	08 Feb 2022	21	14.85	82.80	7.9	33.46	8.1	24.8	1.44
F34	08 Feb 2022	22	14.83	82.91	7.9	33.46	8.1	24.8	1.52
F34	08 Feb 2022	23	14.83	82.90	7.9	33.46	8.1	24.8	1.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	08 Feb 2022	24	14.83	82.94	7.9	33.46	8.1	24.8	1.59
F34	08 Feb 2022	25	14.83	83.03	7.9	33.46	8.1	24.8	1.53
F34	08 Feb 2022	26	14.83	83.06	7.9	33.46	8.1	24.8	1.51
F34	08 Feb 2022	27	14.83	83.06	7.8	33.46	8.1	24.8	1.55
F34	08 Feb 2022	28	14.82	83.10	7.9	33.46	8.1	24.8	1.53
F34	08 Feb 2022	29	14.81	83.06	7.9	33.47	8.1	24.8	1.58
F34	08 Feb 2022	30	14.81	83.18	7.8	33.47	8.1	24.8	1.55
F34	08 Feb 2022	31	14.80	83.17	7.8	33.47	8.1	24.8	1.50
F34	08 Feb 2022	32	14.78	83.31	7.8	33.46	8.1	24.8	1.47
F34	08 Feb 2022	33	14.73	83.41	7.6	33.46	8.1	24.8	1.49
F34	08 Feb 2022	34	14.68	83.45	7.6	33.46	8.1	24.9	1.51
F34	08 Feb 2022	35	14.64	83.53	7.5	33.45	8.1	24.9	1.51
F34	08 Feb 2022	36	14.54	83.57	7.1	33.45	8.1	24.9	1.54
F34	08 Feb 2022	37	14.20	83.48	6.8	33.43	8.0	24.9	1.57
F34	08 Feb 2022	38	14.09	83.55	6.7	33.43	8.0	25.0	1.61
F34	08 Feb 2022	39	13.87	83.49	6.6	33.43	8.0	25.0	1.60
F34	08 Feb 2022	40	13.71	83.61	6.5	33.43	8.0	25.0	1.62
F34	08 Feb 2022	41	13.63	83.41	6.4	33.43	8.0	25.0	1.65
F34	08 Feb 2022	42	13.43	83.48	6.4	33.41	8.0	25.1	1.66
F34	08 Feb 2022	43	13.27	83.61	6.3	33.41	8.0	25.1	1.63
F34	08 Feb 2022	44	13.20	83.55	6.3	33.41	8.0	25.1	1.60
F34	08 Feb 2022	45	13.18	83.63	6.3	33.40	8.0	25.1	1.62
F34	08 Feb 2022	46	13.14	83.69	6.3	33.40	7.9	25.1	1.55
F34	08 Feb 2022	47	13.10	83.75	6.2	33.40	7.9	25.1	1.54
F34	08 Feb 2022	48	13.07	83.77	6.2	33.41	7.9	25.1	1.53
F34	08 Feb 2022	49	13.04	83.78	6.2	33.41	7.9	25.2	1.51
F34	08 Feb 2022	50	13.00	83.74	6.1	33.42	7.9	25.2	1.48
F34	08 Feb 2022	51	12.94	83.76	6.1	33.42	7.9	25.2	1.44
F34	08 Feb 2022	52	12.87	83.77	6.0	33.42	7.9	25.2	1.41
F34	08 Feb 2022	53	12.72	83.90	6.0	33.42	7.9	25.2	1.35
F34	08 Feb 2022	54	12.64	84.16	5.9	33.43	7.9	25.2	1.34
F34	08 Feb 2022	55	12.46	84.33	5.8	33.44	7.9	25.3	1.30
F34	08 Feb 2022	56	12.27	84.45	5.7	33.47	7.9	25.3	1.18
F34	08 Feb 2022	57	12.25	84.37	5.6	33.47	7.9	25.4	1.12
F34	08 Feb 2022	58	12.23	84.22	5.6	33.47	7.9	25.4	1.08
F34	08 Feb 2022	59	12.19	84.17	5.5	33.48	7.9	25.4	1.04
F34	08 Feb 2022	60	12.17	84.04	5.5	33.48	7.9	25.4	1.02
F34	08 Feb 2022	61	12.14	84.01	5.4	33.48	7.9	25.4	0.99
F34	08 Feb 2022	62	12.09	84.03	5.4	33.49	7.9	25.4	0.96
F34	08 Feb 2022	63	11.98	84.04	5.3	33.51	7.8	25.4	0.91
F34	08 Feb 2022	64	11.93	83.98	5.2	33.51	7.8	25.4	0.87
F34	08 Feb 2022	65	11.86	83.92	5.2	33.53	7.8	25.5	0.83
F34	08 Feb 2022	66	11.75	83.88	5.1	33.55	7.8	25.5	0.77
F34	08 Feb 2022	67	11.72	83.85	5.0	33.56	7.8	25.5	0.74
F34	08 Feb 2022	68	11.69	84.04	5.0	33.56	7.8	25.5	0.72
F34	08 Feb 2022	69	11.64	84.17	5.0	33.57	7.8	25.5	0.71
F34	08 Feb 2022	70	11.59	84.24	5.0	33.58	7.8	25.6	0.67
F34	08 Feb 2022	71	11.55	84.27	4.9	33.59	7.8	25.6	0.66
F34	08 Feb 2022	72	11.53	84.28	4.8	33.60	7.8	25.6	0.66
F34	08 Feb 2022	73	11.41	84.18	4.7	33.63	7.8	25.6	0.63
F34	08 Feb 2022	74	11.39	84.11	4.7	33.65	7.8	25.6	0.62
F34	08 Feb 2022	75	11.38	84.12	4.6	33.65	7.8	25.7	0.61
F34	08 Feb 2022	76	11.38	84.10	4.6	33.65	7.8	25.7	0.59
F34	08 Feb 2022	77	11.38	84.12	4.6	33.65	7.8	25.7	0.60
F34	08 Feb 2022	78	11.36	84.10	4.6	33.66	7.8	25.7	0.62
F34	08 Feb 2022	79	11.35	84.01	4.6	33.66	7.8	25.7	0.64
F34	08 Feb 2022	80	11.34	83.94	4.6	33.67	7.8	25.7	0.63
F34	08 Feb 2022	81	11.32	83.85	4.6	33.67	7.8	25.7	0.63
F34	08 Feb 2022	82	11.31	83.87	4.5	33.68	7.8	25.7	0.63
F34	08 Feb 2022	83	11.29	83.76	4.5	33.68	7.8	25.7	0.62
F34	08 Feb 2022	84	11.27	83.81	4.5	33.69	7.8	25.7	0.62

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	08 Feb 2022	85	11.26	83.94	4.4	33.69	7.8	25.7	0.62
F34	08 Feb 2022	86	11.25	83.79	4.4	33.70	7.8	25.7	0.61
F34	08 Feb 2022	87	11.24	83.61	4.4	33.70	7.8	25.7	0.61
F34	08 Feb 2022	88	11.23	83.50	4.4	33.70	7.8	25.7	0.61
F34	08 Feb 2022	89	11.22	83.39	4.4	33.70	7.8	25.7	0.60
F34	08 Feb 2022	90	11.20	83.21	4.3	33.71	7.8	25.7	0.60
F34	08 Feb 2022	91	11.18	83.00	4.3	33.72	7.8	25.7	0.59
F34	08 Feb 2022	92	11.16	82.86	4.3	33.72	7.8	25.8	0.59
F34	08 Feb 2022	93	11.15	82.64	4.2	33.73	7.8	25.8	0.60
F34	08 Feb 2022	94	11.10	82.65	4.2	33.74	7.8	25.8	0.59
F34	08 Feb 2022	95	11.02	82.74	4.1	33.77	7.8	25.8	0.57
F34	08 Feb 2022	96	10.90	82.92	3.9	33.81	7.8	25.9	0.57
F34	08 Feb 2022	97	10.79	83.22	3.8	33.85	7.7	25.9	0.54
F34	08 Feb 2022	98	10.75	83.43	3.7	33.86	7.7	25.9	0.55
F34	08 Feb 2022	99	10.66	83.51	3.6	33.89	7.7	26.0	0.54
F34	08 Feb 2022	100	10.62	83.62	3.6	33.91	7.7	26.0	0.53
F34	08 Feb 2022	101	10.63	83.61	3.6	33.91	7.7	26.0	0.52
F35	08 Feb 2022	1	15.18	83.98	7.9	33.48	8.1	24.8	0.59
F35	08 Feb 2022	2	15.18	83.87	7.9	33.48	8.1	24.8	0.59
F35	08 Feb 2022	3	15.17	84.06	7.9	33.48	8.1	24.8	0.59
F35	08 Feb 2022	4	15.17	84.06	7.9	33.48	8.1	24.8	0.61
F35	08 Feb 2022	5	15.17	84.10	7.9	33.48	8.1	24.8	0.61
F35	08 Feb 2022	6	15.16	84.03	7.9	33.48	8.1	24.8	0.63
F35	08 Feb 2022	7	15.16	84.12	7.9	33.48	8.1	24.8	0.63
F35	08 Feb 2022	8	15.16	84.11	7.9	33.48	8.1	24.8	0.65
F35	08 Feb 2022	9	15.16	84.08	7.9	33.48	8.1	24.8	0.65
F35	08 Feb 2022	10	15.15	84.06	7.9	33.48	8.1	24.8	0.68
F35	08 Feb 2022	11	15.14	84.05	7.9	33.48	8.1	24.8	0.68
F35	08 Feb 2022	12	15.13	84.08	7.9	33.48	8.1	24.8	0.72
F35	08 Feb 2022	13	15.13	84.02	7.9	33.48	8.1	24.8	0.75
F35	08 Feb 2022	14	15.13	84.06	7.9	33.48	8.1	24.8	0.76
F35	08 Feb 2022	15	15.13	84.09	7.9	33.48	8.1	24.8	0.78
F35	08 Feb 2022	16	15.13	84.01	7.9	33.48	8.1	24.8	0.77
F35	08 Feb 2022	17	15.12	84.01	8.0	33.48	8.1	24.8	0.80
F35	08 Feb 2022	18	15.11	84.09	7.9	33.48	8.1	24.8	0.82
F35	08 Feb 2022	19	15.11	84.03	7.9	33.48	8.1	24.8	0.84
F35	08 Feb 2022	20	15.10	83.99	7.9	33.48	8.1	24.8	0.84
F35	08 Feb 2022	21	15.09	84.03	7.9	33.48	8.1	24.8	0.83
F35	08 Feb 2022	22	15.08	84.15	7.9	33.48	8.1	24.8	0.79
F35	08 Feb 2022	23	15.06	84.19	7.9	33.48	8.1	24.8	0.79
F35	08 Feb 2022	24	15.04	84.26	7.9	33.48	8.1	24.8	0.82
F35	08 Feb 2022	25	15.03	84.33	7.9	33.47	8.1	24.8	0.92
F35	08 Feb 2022	26	15.00	84.25	7.9	33.47	8.1	24.8	0.90
F35	08 Feb 2022	27	14.97	84.16	7.9	33.47	8.1	24.8	1.00
F35	08 Feb 2022	28	14.93	83.91	7.9	33.47	8.1	24.8	1.21
F35	08 Feb 2022	29	14.90	83.60	7.9	33.46	8.1	24.8	1.88
F35	08 Feb 2022	30	14.89	83.38	7.8	33.46	8.1	24.8	1.56
F35	08 Feb 2022	31	14.87	83.38	7.9	33.46	8.1	24.8	1.62
F35	08 Feb 2022	32	14.86	83.31	7.8	33.46	8.1	24.8	1.69
F35	08 Feb 2022	33	14.82	83.21	7.7	33.46	8.1	24.8	1.79
F35	08 Feb 2022	34	14.63	83.27	7.3	33.45	8.1	24.9	1.77
F35	08 Feb 2022	35	14.40	83.15	7.1	33.45	8.1	24.9	1.84
F35	08 Feb 2022	36	14.31	83.21	6.9	33.44	8.0	24.9	1.85
F35	08 Feb 2022	37	13.97	83.36	6.6	33.44	8.0	25.0	1.73
F35	08 Feb 2022	38	13.81	83.52	6.5	33.43	8.0	25.0	1.71
F35	08 Feb 2022	39	13.71	83.66	6.5	33.43	8.0	25.0	1.72
F35	08 Feb 2022	40	13.62	83.76	6.5	33.42	8.0	25.0	1.70
F35	08 Feb 2022	41	13.59	83.84	6.5	33.42	8.0	25.1	1.69
F35	08 Feb 2022	42	13.58	83.91	6.5	33.42	8.0	25.1	1.67
F35	08 Feb 2022	43	13.52	83.89	6.4	33.43	8.0	25.1	1.65

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F35	08 Feb 2022	44	13.50	83.92	6.3	33.44	8.0	25.1	1.59
F35	08 Feb 2022	45	13.44	83.77	6.3	33.44	8.0	25.1	1.55
F35	08 Feb 2022	46	13.34	83.87	6.2	33.43	8.0	25.1	1.52
F35	08 Feb 2022	47	13.12	83.85	6.0	33.45	7.9	25.2	1.44
F35	08 Feb 2022	48	13.10	83.81	5.9	33.45	7.9	25.2	1.39
F35	08 Feb 2022	49	13.05	83.78	5.9	33.45	7.9	25.2	1.39
F35	08 Feb 2022	50	12.90	83.78	5.8	33.45	7.9	25.2	1.34
F35	08 Feb 2022	51	12.82	83.87	5.8	33.45	7.9	25.2	1.29
F35	08 Feb 2022	52	12.68	83.88	5.7	33.46	7.9	25.3	1.25
F35	08 Feb 2022	53	12.46	83.92	5.7	33.45	7.9	25.3	1.17
F35	08 Feb 2022	54	12.29	84.27	5.7	33.46	7.9	25.3	1.15
F35	08 Feb 2022	55	12.21	84.57	5.6	33.47	7.9	25.4	1.14
F35	08 Feb 2022	56	12.17	84.71	5.5	33.49	7.9	25.4	1.04
F35	08 Feb 2022	57	12.17	84.65	5.4	33.50	7.9	25.4	0.98
F35	08 Feb 2022	58	12.13	84.57	5.4	33.50	7.9	25.4	0.92
F35	08 Feb 2022	59	12.04	84.59	5.4	33.51	7.9	25.4	0.88
F35	08 Feb 2022	60	12.01	84.69	5.4	33.51	7.8	25.4	0.86
F35	08 Feb 2022	61	11.98	84.73	5.4	33.51	7.8	25.4	0.85
F35	08 Feb 2022	62	11.89	84.80	5.2	33.54	7.8	25.5	0.83
F35	08 Feb 2022	63	11.80	84.79	5.0	33.57	7.8	25.5	0.76
F35	08 Feb 2022	64	11.80	84.81	4.9	33.58	7.8	25.5	0.67
F35	08 Feb 2022	65	11.79	84.83	4.9	33.58	7.8	25.5	0.66
F35	08 Feb 2022	66	11.77	84.80	4.8	33.59	7.8	25.5	0.64
F35	08 Feb 2022	67	11.74	84.79	4.8	33.60	7.8	25.5	0.62
F35	08 Feb 2022	68	11.70	84.79	4.8	33.61	7.8	25.6	0.62
F35	08 Feb 2022	69	11.63	84.61	4.8	33.62	7.8	25.6	0.61
F35	08 Feb 2022	70	11.61	84.32	4.8	33.62	7.8	25.6	0.61
F35	08 Feb 2022	71	11.58	84.05	4.8	33.62	7.8	25.6	0.60
F35	08 Feb 2022	72	11.57	83.82	4.7	33.62	7.8	25.6	0.61
F35	08 Feb 2022	73	11.56	83.67	4.7	33.62	7.8	25.6	0.60
F35	08 Feb 2022	74	11.55	83.59	4.7	33.63	7.8	25.6	0.61
F35	08 Feb 2022	75	11.55	83.55	4.7	33.63	7.8	25.6	0.60
F35	08 Feb 2022	76	11.55	83.48	4.7	33.63	7.8	25.6	0.61
F35	08 Feb 2022	77	11.55	83.48	4.7	33.63	7.8	25.6	0.59
F35	08 Feb 2022	78	11.52	83.48	4.7	33.63	7.8	25.6	0.60
F35	08 Feb 2022	79	11.49	83.41	4.7	33.63	7.8	25.6	0.58
F35	08 Feb 2022	80	11.47	82.98	4.6	33.63	7.8	25.6	0.58
F35	08 Feb 2022	81	11.44	82.62	4.6	33.64	7.8	25.6	0.58
F35	08 Feb 2022	82	11.38	82.46	4.6	33.65	7.8	25.7	0.57
F35	08 Feb 2022	83	11.34	82.35	4.5	33.67	7.8	25.7	0.55
F35	08 Feb 2022	84	11.30	82.12	4.4	33.68	7.8	25.7	0.54
F35	08 Feb 2022	85	11.24	82.32	4.3	33.71	7.8	25.7	0.53
F35	08 Feb 2022	86	11.24	82.84	4.4	33.71	7.8	25.7	0.52
F35	08 Feb 2022	87	11.20	83.07	4.3	33.72	7.8	25.7	0.51
F35	08 Feb 2022	88	11.12	83.22	4.2	33.75	7.8	25.8	0.50
F35	08 Feb 2022	89	11.07	83.33	4.1	33.77	7.8	25.8	0.49
F35	08 Feb 2022	90	11.04	83.22	4.1	33.77	7.8	25.8	0.49
F35	08 Feb 2022	91	10.99	83.04	4.0	33.79	7.8	25.8	0.48
F35	08 Feb 2022	92	10.98	82.80	4.0	33.79	7.7	25.8	0.49
F35	08 Feb 2022	93	10.97	82.70	4.0	33.80	7.7	25.8	0.49
F35	08 Feb 2022	94	10.95	82.62	4.0	33.80	7.7	25.9	0.48
F35	08 Feb 2022	95	10.90	82.72	3.9	33.82	7.7	25.9	0.47
F35	08 Feb 2022	96	10.85	83.03	3.8	33.84	7.7	25.9	0.47
F35	08 Feb 2022	97	10.76	83.31	3.7	33.87	7.7	25.9	0.48
F35	08 Feb 2022	98	10.68	83.43	3.6	33.89	7.7	26.0	0.47
F35	08 Feb 2022	99	10.52	83.74	3.4	33.94	7.7	26.0	0.47
F35	08 Feb 2022	100	10.57	83.71	3.5	33.92	7.7	26.0	0.48
F36	08 Feb 2022	1	15.16	84.18	7.9	33.48	8.1	24.8	0.75
F36	08 Feb 2022	2	15.16	84.20	7.9	33.48	8.1	24.8	0.74
F36	08 Feb 2022	3	15.16	84.07	7.8	33.48	8.1	24.8	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F36	08 Feb 2022	4	15.16	84.13	7.9	33.48	8.1	24.8	0.75
F36	08 Feb 2022	5	15.16	84.18	7.9	33.48	8.1	24.8	0.77
F36	08 Feb 2022	6	15.16	84.22	7.9	33.48	8.1	24.8	0.78
F36	08 Feb 2022	7	15.16	84.24	7.9	33.48	8.1	24.8	0.78
F36	08 Feb 2022	8	15.16	84.23	7.9	33.48	8.1	24.8	0.81
F36	08 Feb 2022	9	15.16	84.24	7.9	33.48	8.1	24.8	0.83
F36	08 Feb 2022	10	15.15	84.17	7.9	33.48	8.1	24.8	0.85
F36	08 Feb 2022	11	15.15	84.17	7.9	33.48	8.1	24.8	0.86
F36	08 Feb 2022	12	15.15	84.21	7.9	33.48	8.1	24.8	0.87
F36	08 Feb 2022	13	15.16	84.25	7.9	33.48	8.1	24.8	0.85
F36	08 Feb 2022	14	15.16	84.24	7.9	33.48	8.1	24.8	0.90
F36	08 Feb 2022	15	15.13	84.26	7.9	33.48	8.1	24.8	0.92
F36	08 Feb 2022	16	15.12	84.31	8.0	33.47	8.1	24.8	0.97
F36	08 Feb 2022	17	15.11	84.28	8.0	33.47	8.1	24.8	1.02
F36	08 Feb 2022	18	15.07	84.20	7.9	33.47	8.1	24.8	1.04
F36	08 Feb 2022	19	15.03	84.25	7.9	33.47	8.1	24.8	1.04
F36	08 Feb 2022	20	14.97	84.27	7.9	33.47	8.1	24.8	1.16
F36	08 Feb 2022	21	14.96	83.95	7.9	33.46	8.1	24.8	1.39
F36	08 Feb 2022	22	14.96	83.70	7.8	33.46	8.1	24.8	1.45
F36	08 Feb 2022	23	14.95	83.62	7.9	33.46	8.1	24.8	1.53
F36	08 Feb 2022	24	14.93	83.43	7.9	33.46	8.1	24.8	1.69
F36	08 Feb 2022	25	14.91	83.43	7.9	33.46	8.1	24.8	1.72
F36	08 Feb 2022	26	14.90	83.64	7.9	33.46	8.1	24.8	1.69
F36	08 Feb 2022	27	14.85	83.54	7.8	33.46	8.1	24.8	1.76
F36	08 Feb 2022	28	14.78	83.44	7.6	33.46	8.1	24.8	1.84
F36	08 Feb 2022	29	14.66	83.53	7.4	33.45	8.1	24.9	1.84
F36	08 Feb 2022	30	14.31	83.54	7.1	33.44	8.1	24.9	1.98
F36	08 Feb 2022	31	14.10	83.54	6.9	33.43	8.0	25.0	2.04
F36	08 Feb 2022	32	13.95	83.68	6.8	33.42	8.0	25.0	2.01
F36	08 Feb 2022	33	13.86	83.79	6.7	33.42	8.0	25.0	1.95
F36	08 Feb 2022	34	13.62	83.99	6.5	33.41	8.0	25.0	1.88
F36	08 Feb 2022	35	13.47	84.15	6.5	33.40	8.0	25.1	1.81
F36	08 Feb 2022	36	13.48	84.22	6.6	33.40	8.0	25.1	1.74
F36	08 Feb 2022	37	13.44	84.19	6.5	33.40	8.0	25.1	1.73
F36	08 Feb 2022	38	13.38	84.24	6.4	33.40	8.0	25.1	1.72
F36	08 Feb 2022	39	13.33	84.27	6.4	33.40	8.0	25.1	1.68
F36	08 Feb 2022	40	13.30	84.26	6.4	33.40	8.0	25.1	1.66
F36	08 Feb 2022	41	13.26	84.22	6.3	33.41	8.0	25.1	1.63
F36	08 Feb 2022	42	13.15	84.21	6.2	33.41	7.9	25.1	1.58
F36	08 Feb 2022	43	12.97	84.27	6.0	33.42	7.9	25.2	1.52
F36	08 Feb 2022	44	12.94	84.30	5.9	33.43	7.9	25.2	1.46
F36	08 Feb 2022	45	12.94	84.26	5.9	33.44	7.9	25.2	1.41
F36	08 Feb 2022	46	12.93	84.23	5.9	33.45	7.9	25.2	1.37
F36	08 Feb 2022	47	12.91	84.12	5.8	33.45	7.9	25.2	1.33
F36	08 Feb 2022	48	12.90	84.20	5.8	33.46	7.9	25.2	1.32
F36	08 Feb 2022	49	12.86	84.17	5.8	33.46	7.9	25.2	1.29
F36	08 Feb 2022	50	12.74	84.19	5.8	33.45	7.9	25.2	1.27
F36	08 Feb 2022	51	12.69	84.24	5.8	33.45	7.9	25.3	1.26
F36	08 Feb 2022	52	12.66	84.31	5.7	33.46	7.9	25.3	1.23
F36	08 Feb 2022	53	12.63	84.24	5.7	33.47	7.9	25.3	1.20
F36	08 Feb 2022	54	12.57	84.27	5.6	33.47	7.9	25.3	1.17
F36	08 Feb 2022	55	12.51	84.30	5.5	33.48	7.9	25.3	1.13
F36	08 Feb 2022	56	12.38	84.30	5.4	33.50	7.9	25.4	1.07
F36	08 Feb 2022	57	12.28	84.37	5.3	33.51	7.9	25.4	1.00
F36	08 Feb 2022	58	12.26	84.39	5.3	33.52	7.8	25.4	0.97
F36	08 Feb 2022	59	12.23	84.38	5.2	33.52	7.8	25.4	0.93
F36	08 Feb 2022	60	12.15	84.38	5.2	33.53	7.8	25.4	0.92
F36	08 Feb 2022	61	12.03	84.41	5.1	33.55	7.8	25.5	0.87
F36	08 Feb 2022	62	12.01	84.51	5.2	33.55	7.8	25.5	0.83
F36	08 Feb 2022	63	11.99	84.63	5.1	33.55	7.8	25.5	0.82
F36	08 Feb 2022	64	11.98	84.64	5.1	33.55	7.8	25.5	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	08 Feb 2022	65	11.96	84.71	5.1	33.55	7.8	25.5	0.81
F36	08 Feb 2022	66	11.95	84.75	5.1	33.55	7.8	25.5	0.80
F36	08 Feb 2022	67	11.94	84.72	5.1	33.55	7.8	25.5	0.80
F36	08 Feb 2022	68	11.93	84.74	5.1	33.55	7.8	25.5	0.79
F36	08 Feb 2022	69	11.91	84.78	5.1	33.56	7.8	25.5	0.80
F36	08 Feb 2022	70	11.90	84.78	5.1	33.56	7.8	25.5	0.80
F36	08 Feb 2022	71	11.90	84.77	5.1	33.56	7.8	25.5	0.82
F36	08 Feb 2022	72	11.88	84.77	5.1	33.56	7.8	25.5	0.81
F36	08 Feb 2022	73	11.88	84.75	5.1	33.56	7.8	25.5	0.81
F36	08 Feb 2022	74	11.86	84.73	5.0	33.57	7.8	25.5	0.79
F36	08 Feb 2022	75	11.84	84.66	5.0	33.57	7.8	25.5	0.79
F36	08 Feb 2022	76	11.81	84.76	5.0	33.58	7.8	25.5	0.78
F36	08 Feb 2022	77	11.77	84.75	4.9	33.60	7.8	25.5	0.77
F36	08 Feb 2022	78	11.72	84.72	4.8	33.61	7.8	25.6	0.71
F36	08 Feb 2022	79	11.62	84.80	4.6	33.64	7.8	25.6	0.69
F36	08 Feb 2022	80	11.62	84.79	4.6	33.64	7.8	25.6	0.67
F36	08 Feb 2022	81	11.57	84.73	4.5	33.66	7.8	25.6	0.66
F36	08 Feb 2022	82	11.49	84.73	4.5	33.68	7.8	25.7	0.64
F36	08 Feb 2022	83	11.43	84.77	4.4	33.70	7.8	25.7	0.63
F36	08 Feb 2022	84	11.37	84.81	4.3	33.71	7.8	25.7	0.62
F36	08 Feb 2022	85	11.32	84.81	4.2	33.73	7.8	25.7	0.60
F36	08 Feb 2022	86	11.27	84.85	4.2	33.75	7.8	25.8	0.58
F36	08 Feb 2022	87	11.24	84.81	4.1	33.76	7.8	25.8	0.58
F36	08 Feb 2022	88	11.20	84.83	4.1	33.77	7.8	25.8	0.57
F36	08 Feb 2022	89	11.19	84.77	4.0	33.77	7.8	25.8	0.57
F36	08 Feb 2022	90	11.18	84.79	4.0	33.77	7.8	25.8	0.57
F36	08 Feb 2022	91	11.17	84.77	4.0	33.78	7.8	25.8	0.57
F36	08 Feb 2022	92	11.15	84.78	4.0	33.78	7.7	25.8	0.56
F36	08 Feb 2022	93	11.13	84.69	4.0	33.79	7.7	25.8	0.56
F36	08 Feb 2022	94	11.09	84.70	3.9	33.80	7.7	25.8	0.56
F36	08 Feb 2022	95	11.07	84.66	3.9	33.80	7.7	25.8	0.55
F36	08 Feb 2022	96	11.04	84.58	3.9	33.81	7.7	25.8	0.56
F36	08 Feb 2022	97	10.98	84.53	3.8	33.83	7.7	25.9	0.57
F36	08 Feb 2022	98	10.91	84.28	3.8	33.84	7.7	25.9	0.56
F36	08 Feb 2022	99	10.84	84.09	3.7	33.86	7.7	25.9	0.55
F36	08 Feb 2022	100	10.87	84.19	3.7	33.86	7.7	25.9	0.56

NA = not available

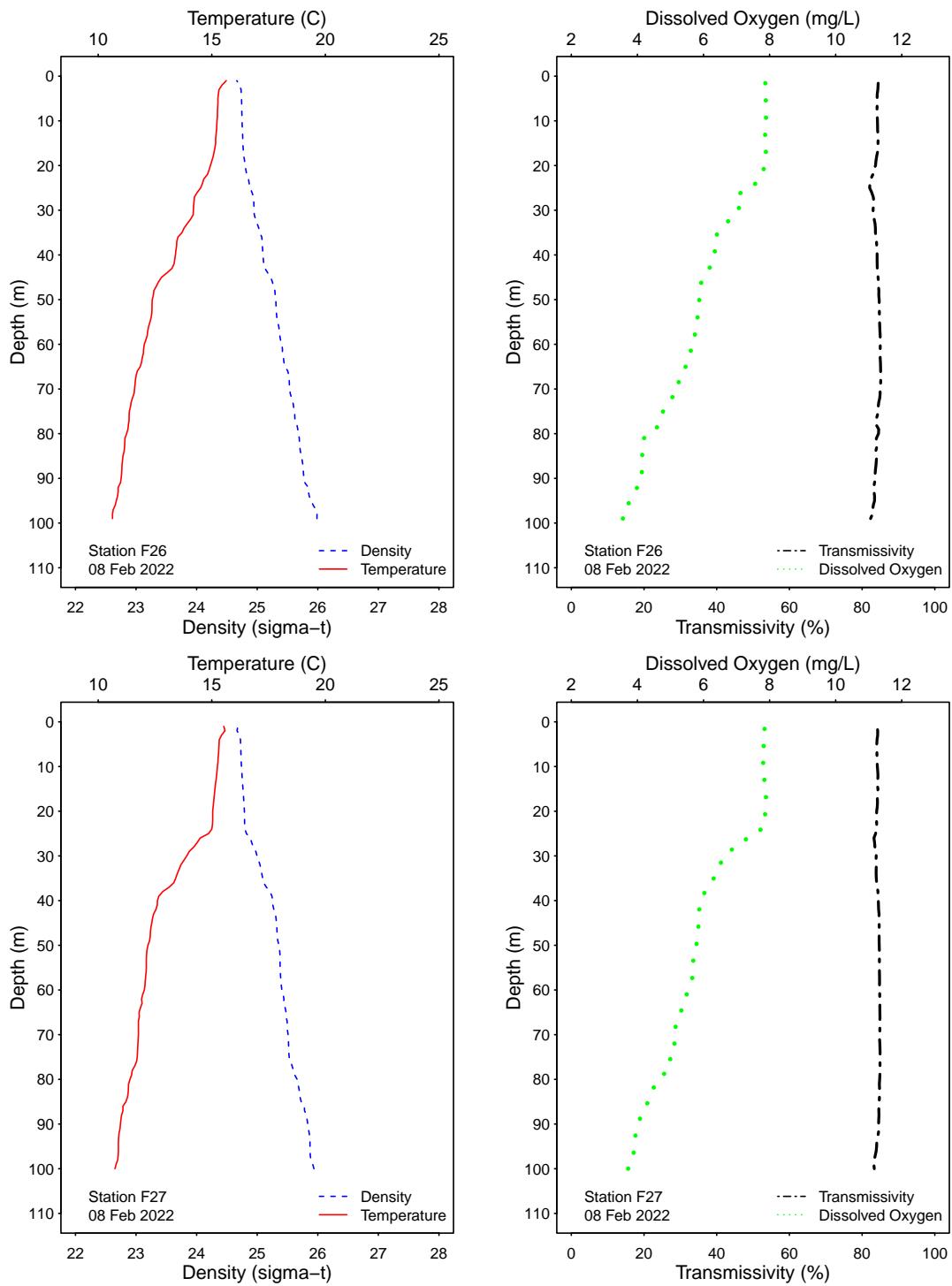


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

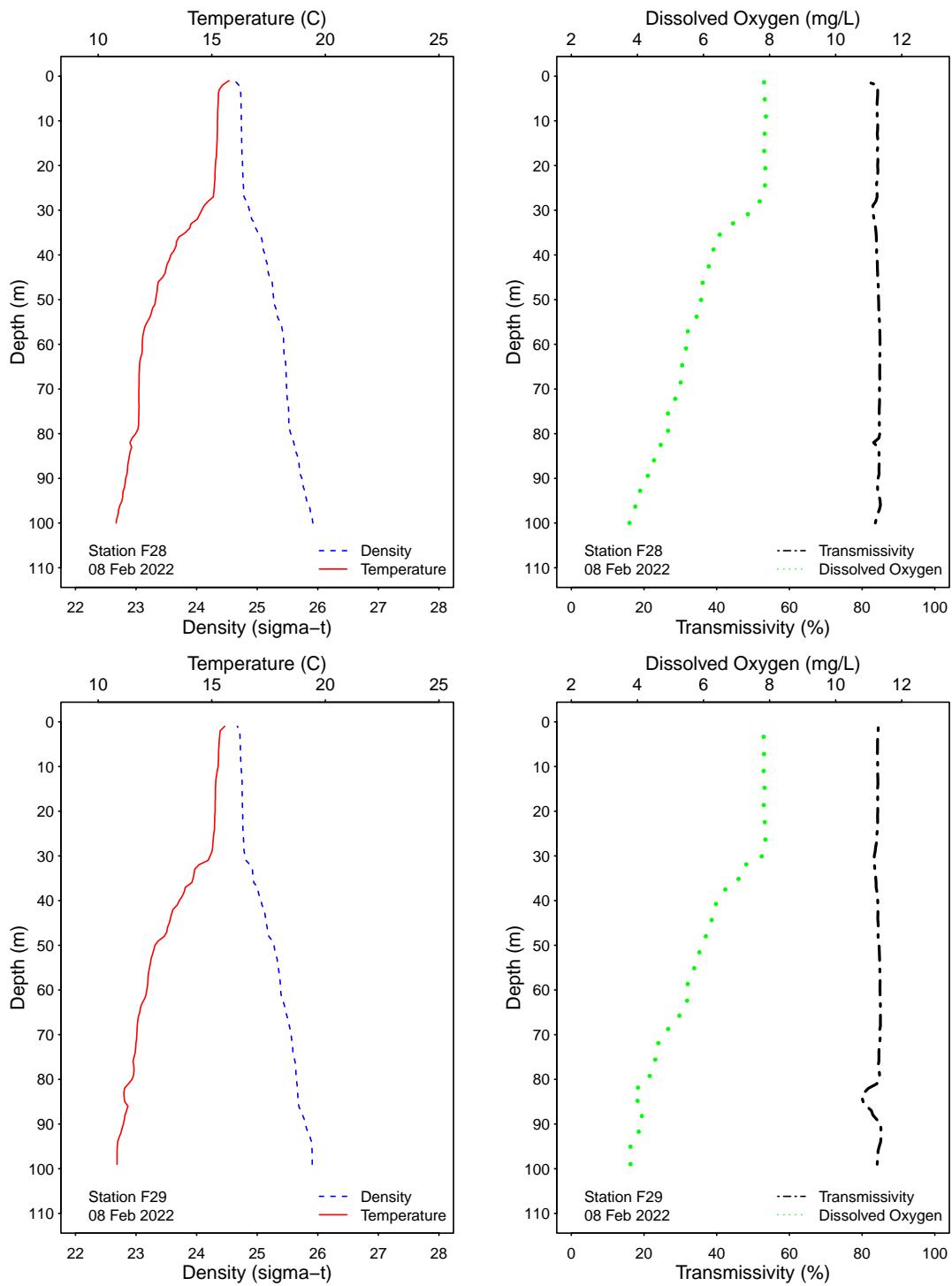


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

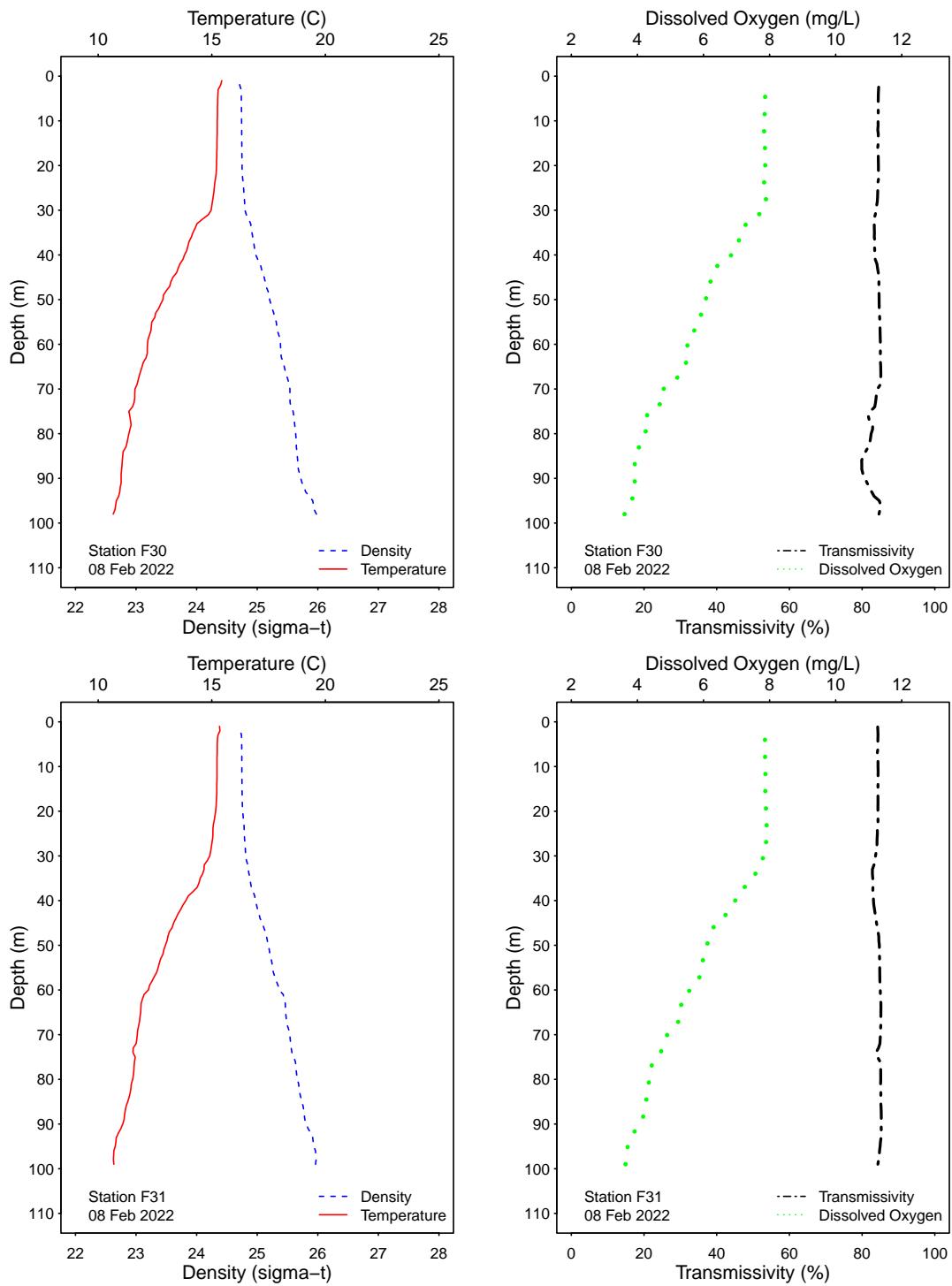


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

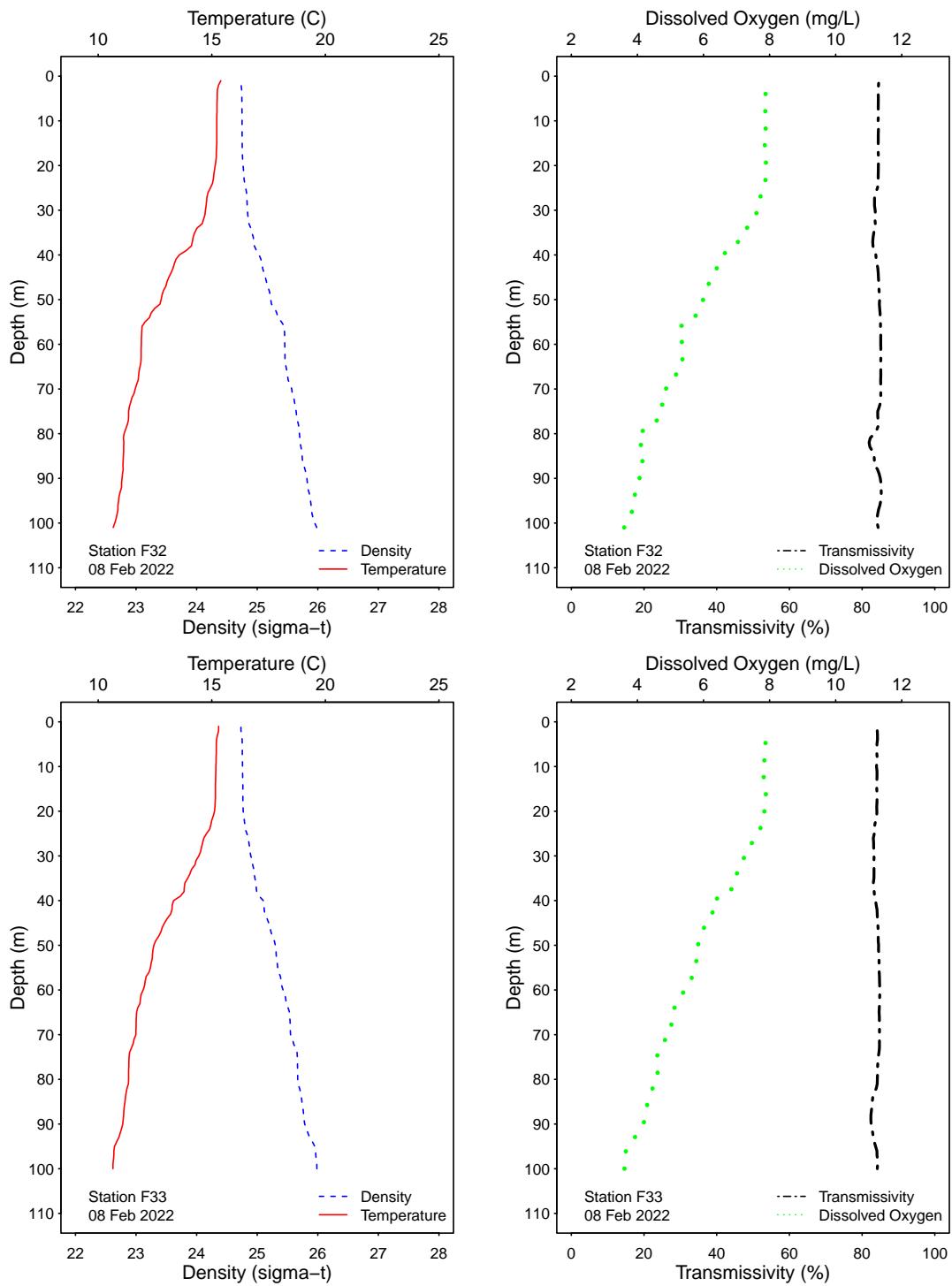


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

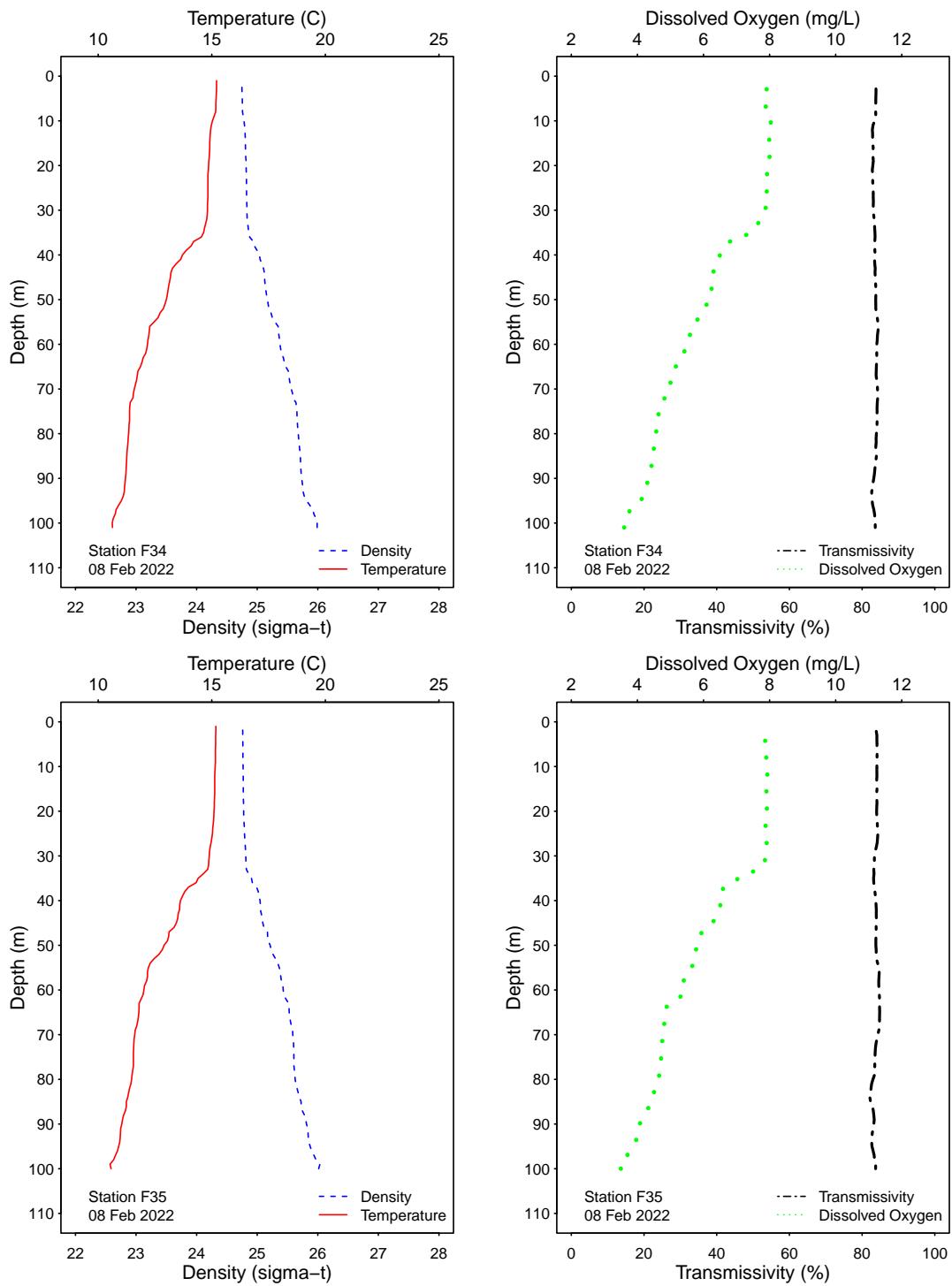


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

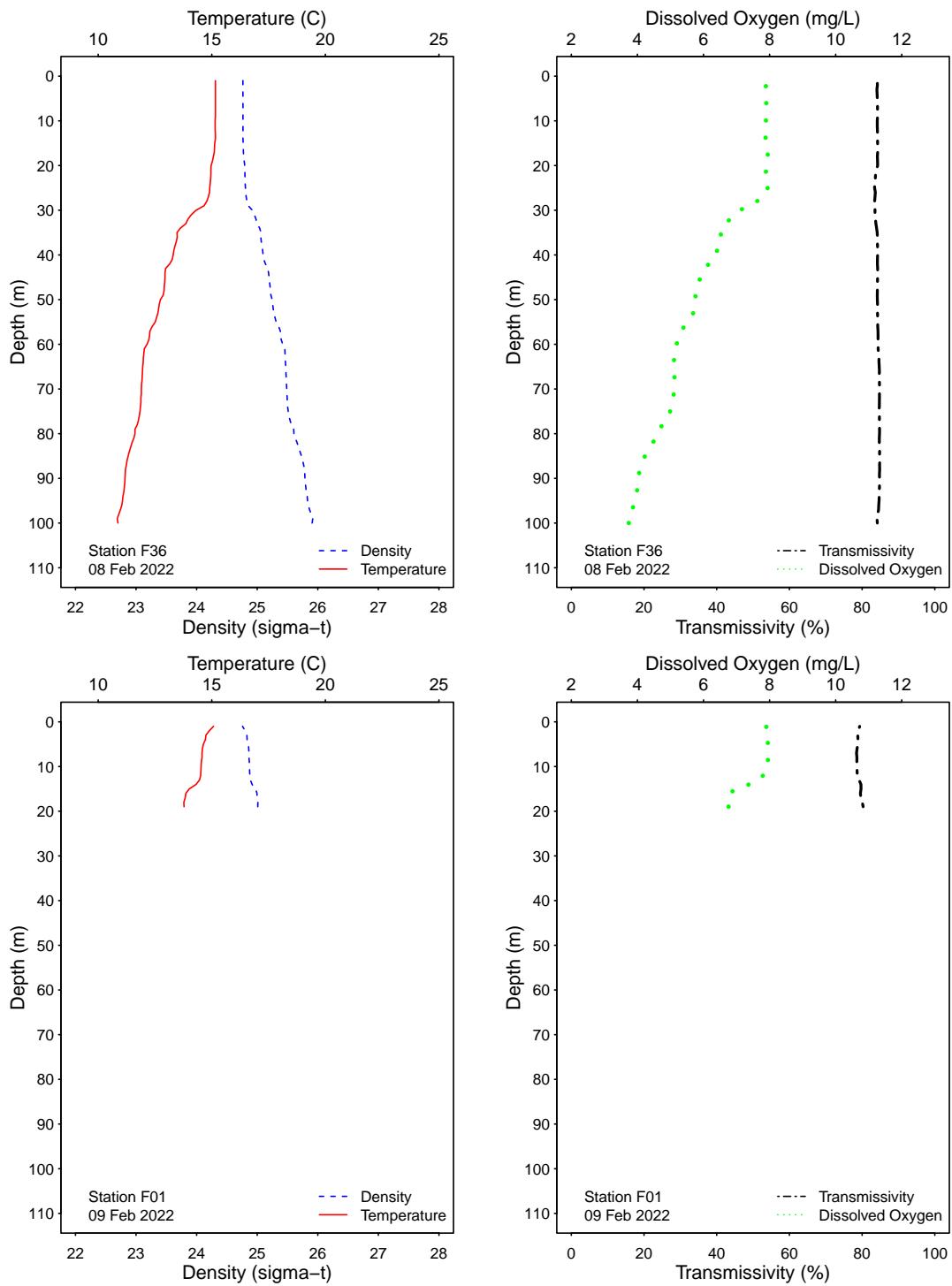


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

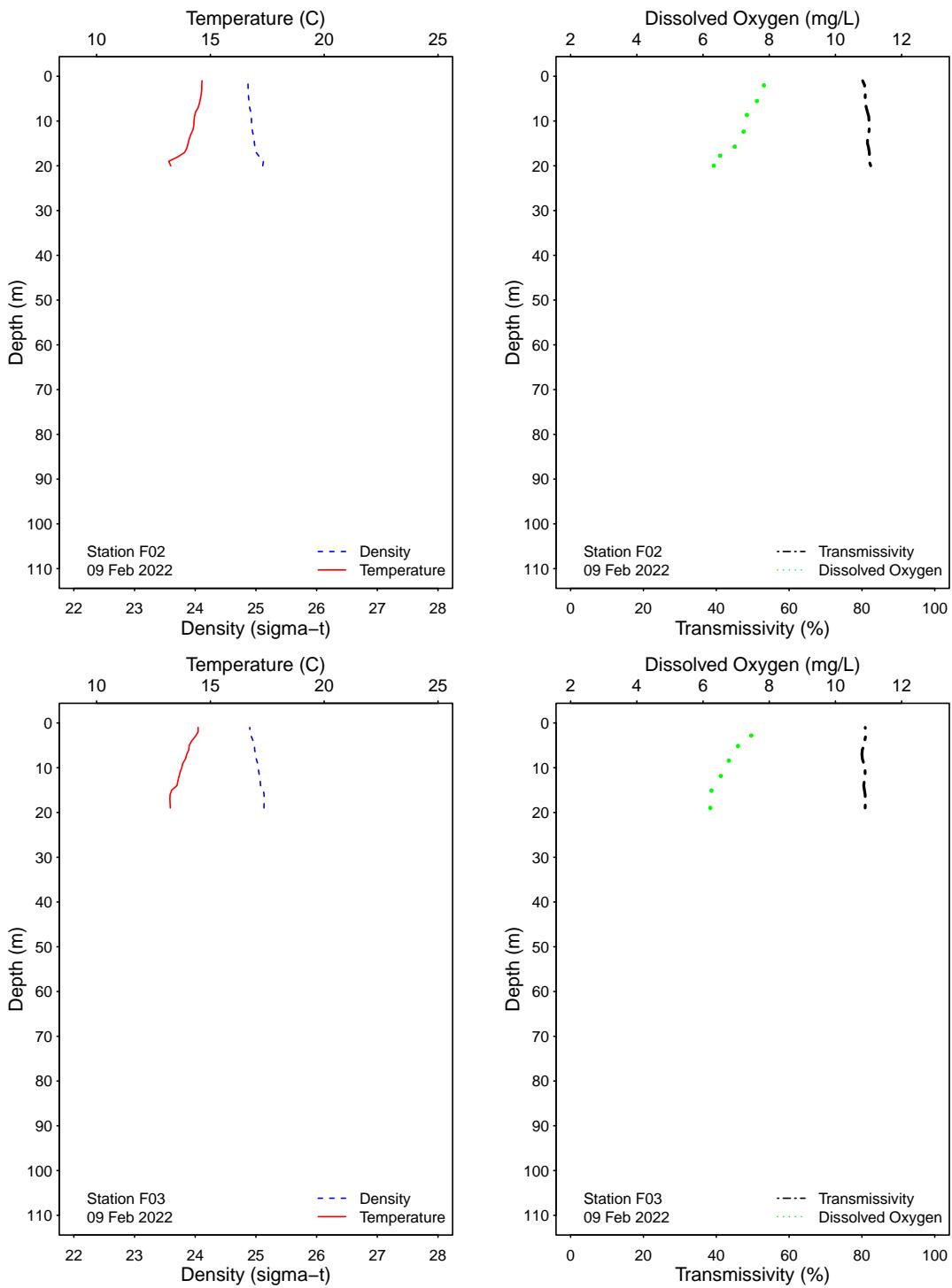


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

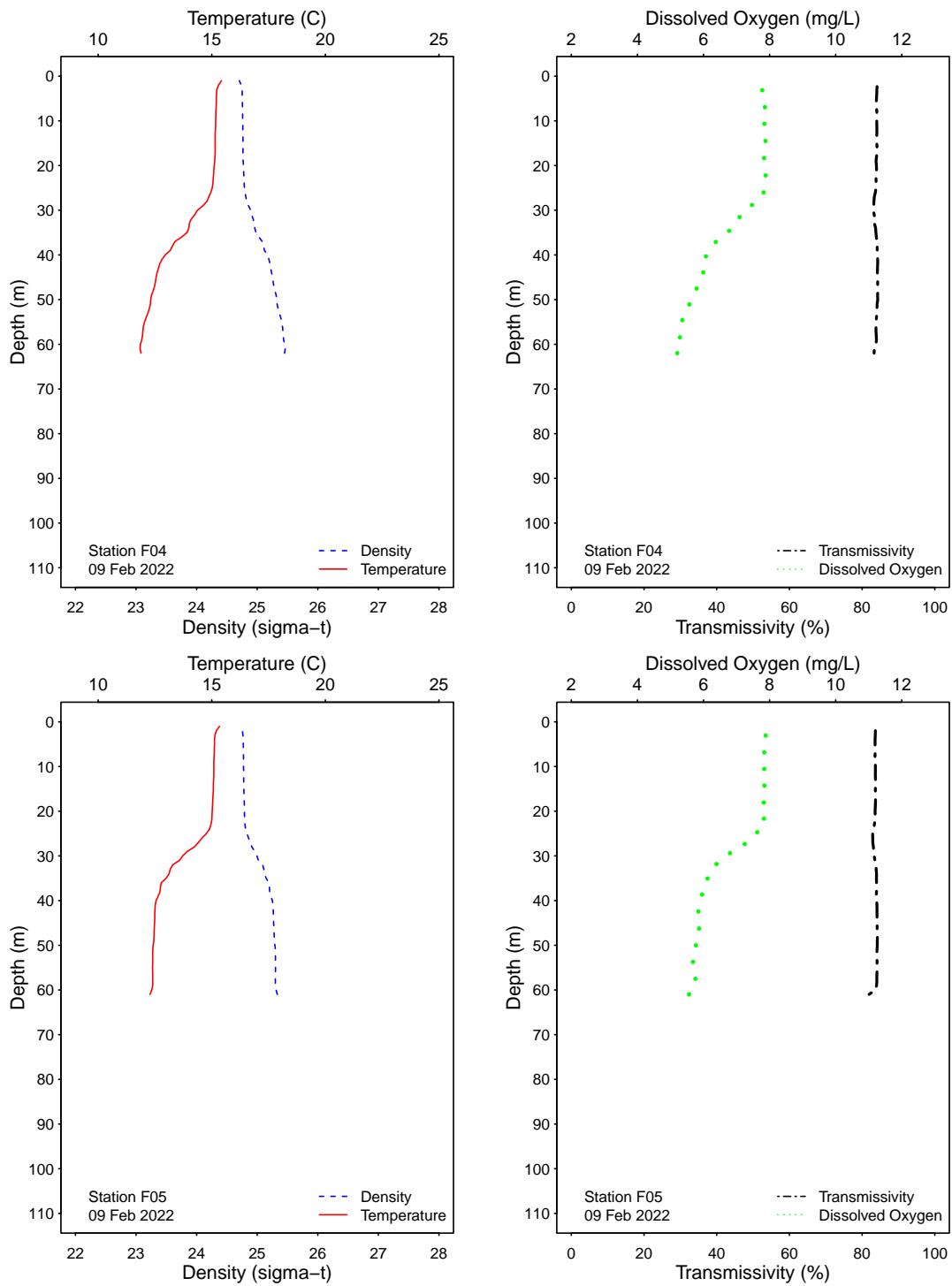


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

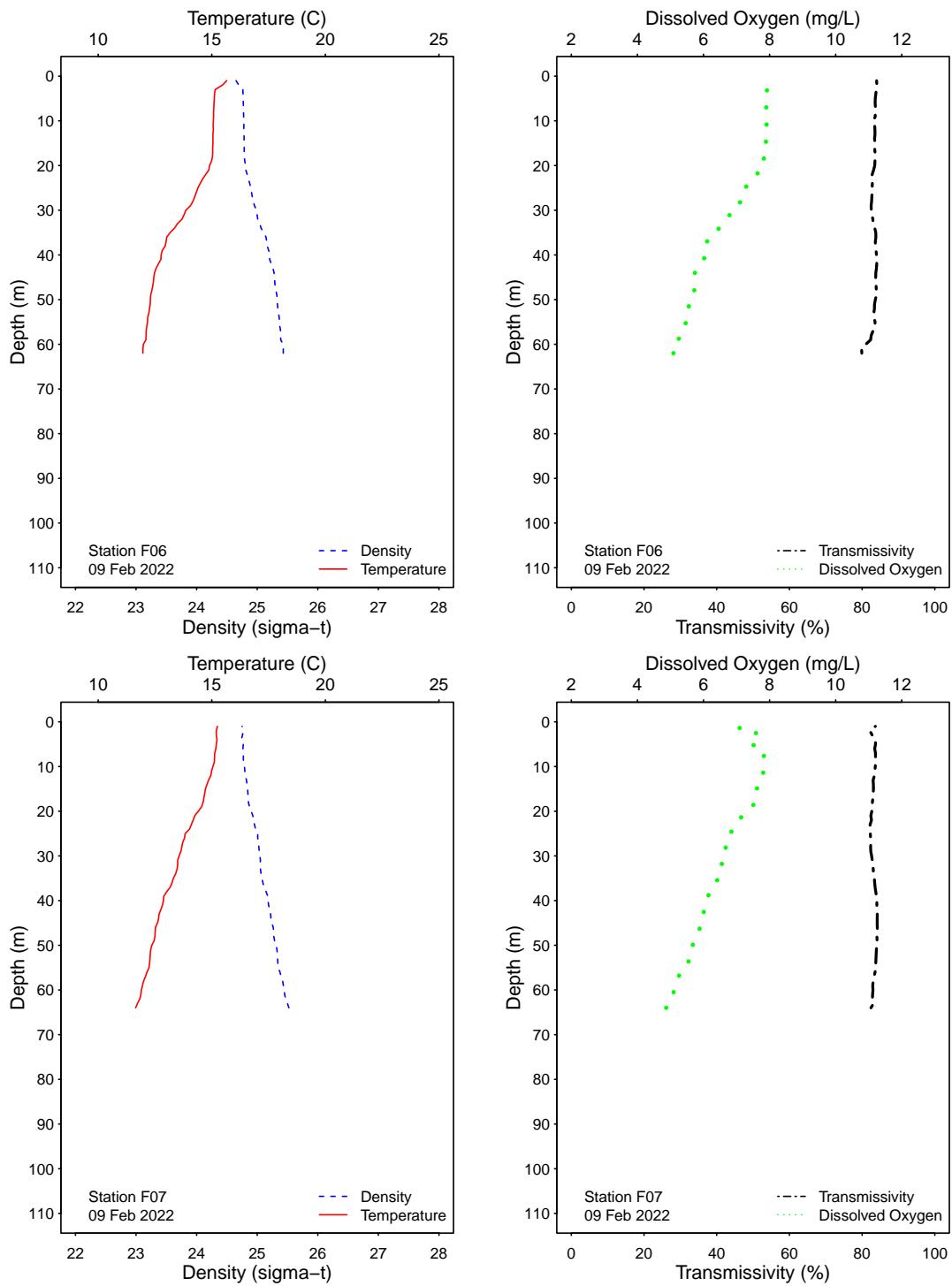


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

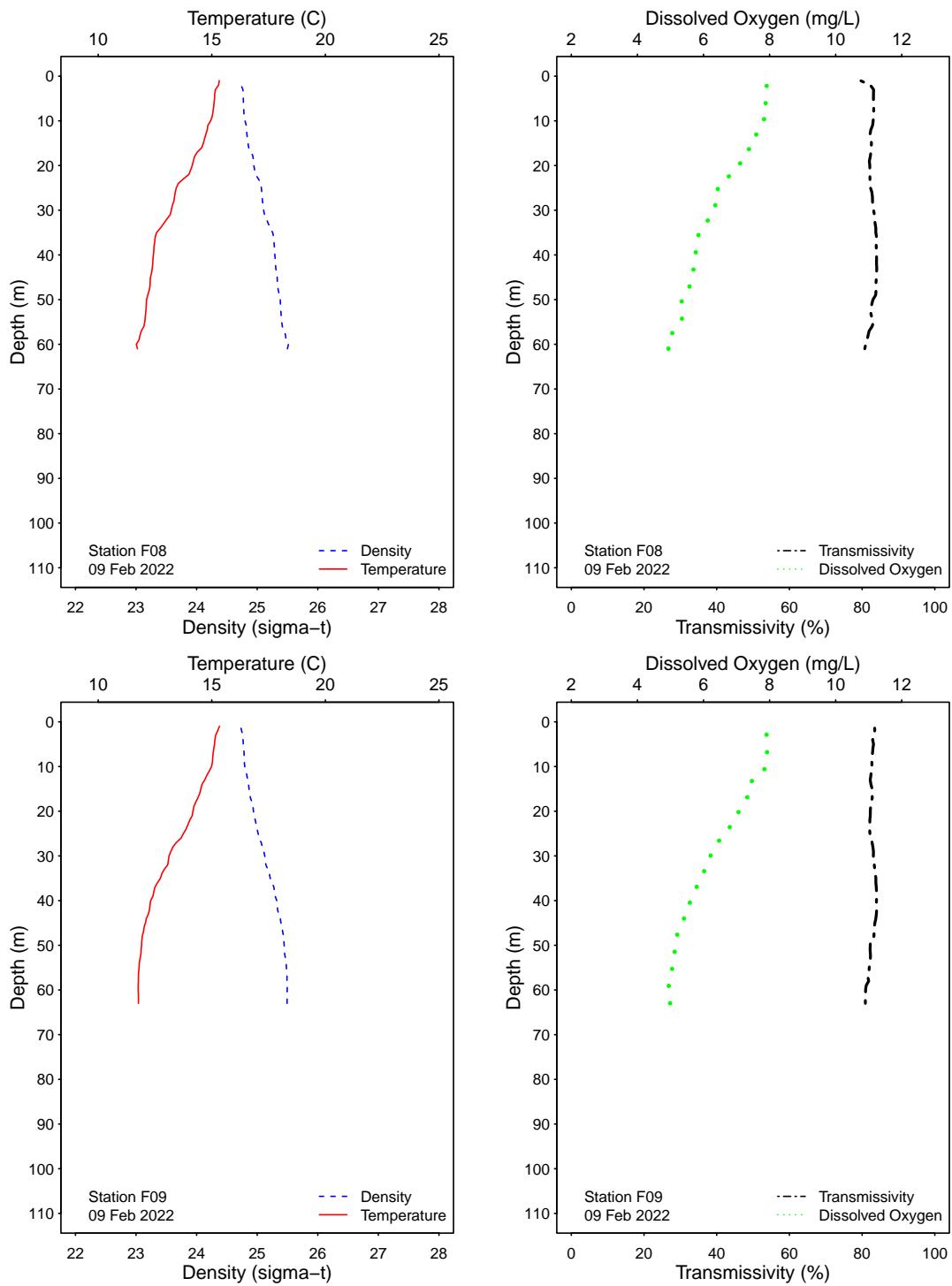


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

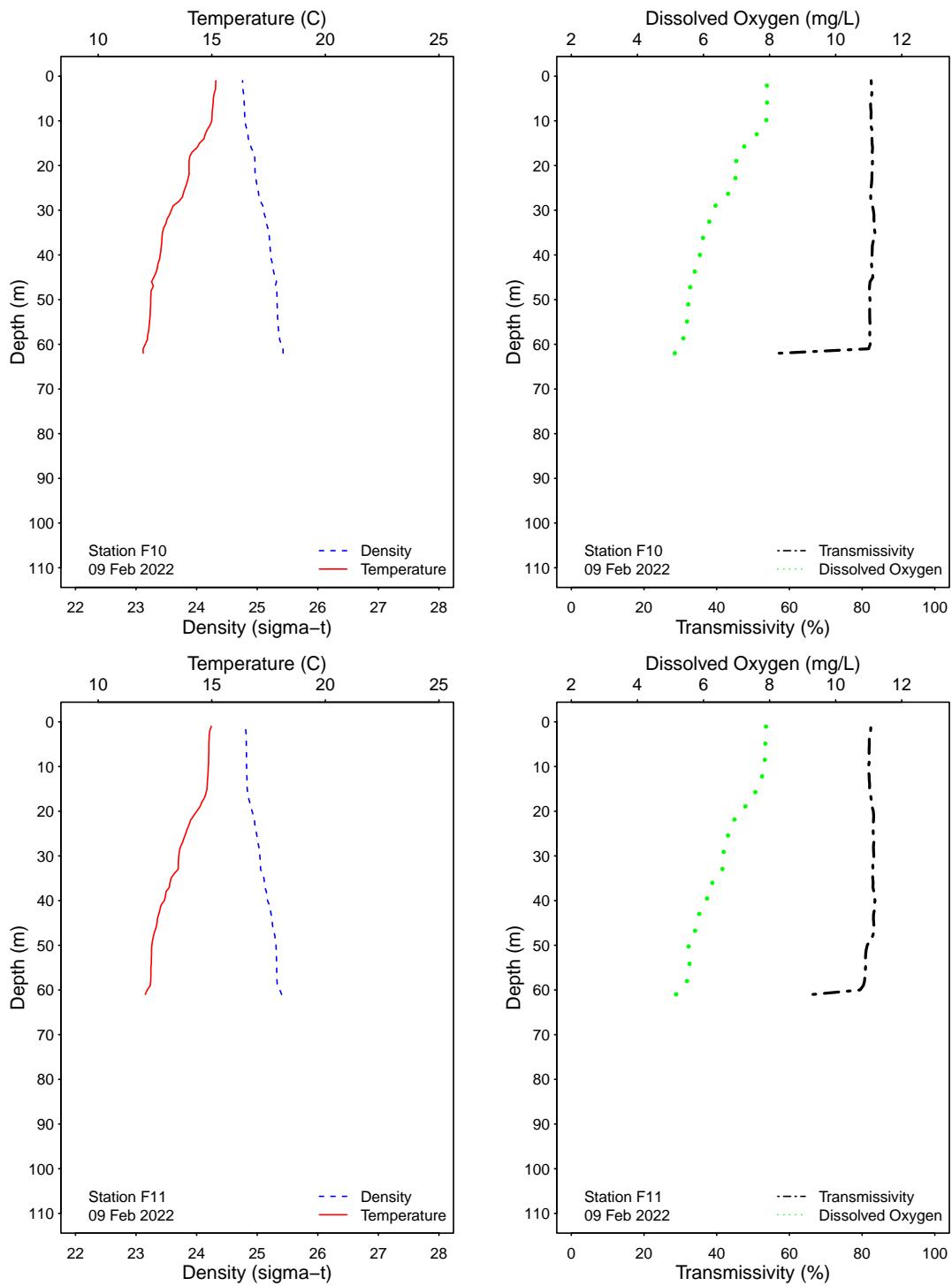


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

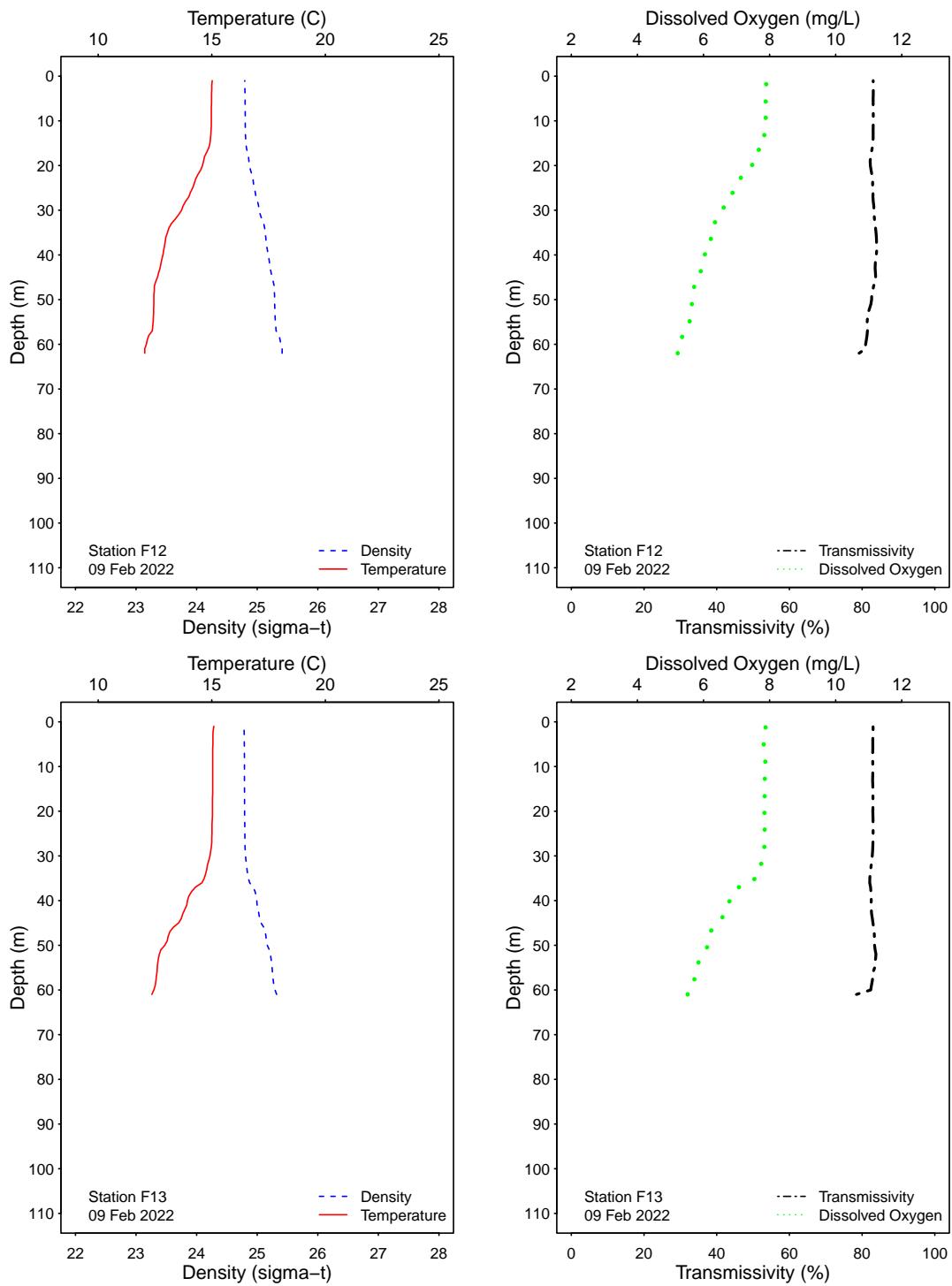


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

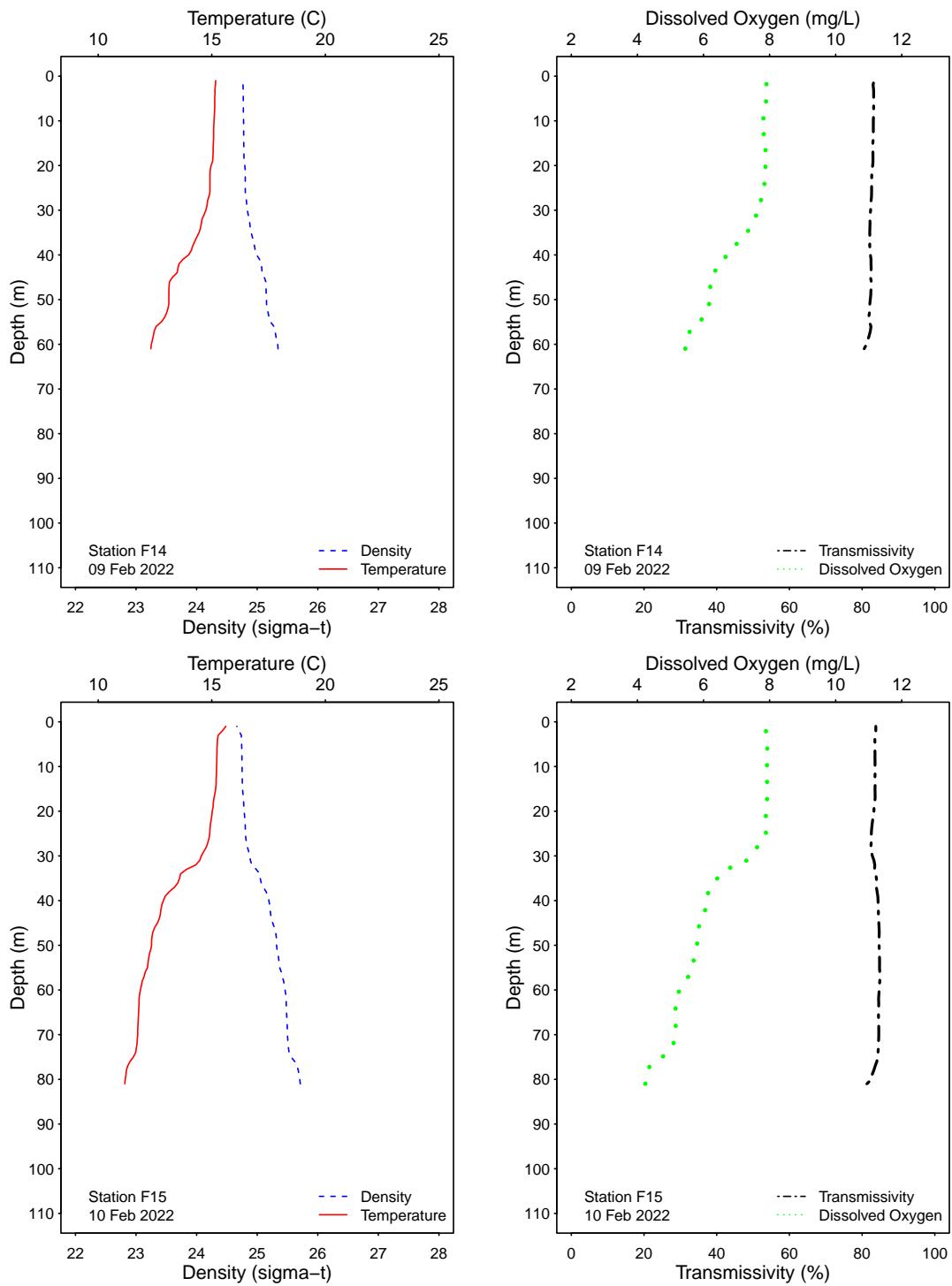


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

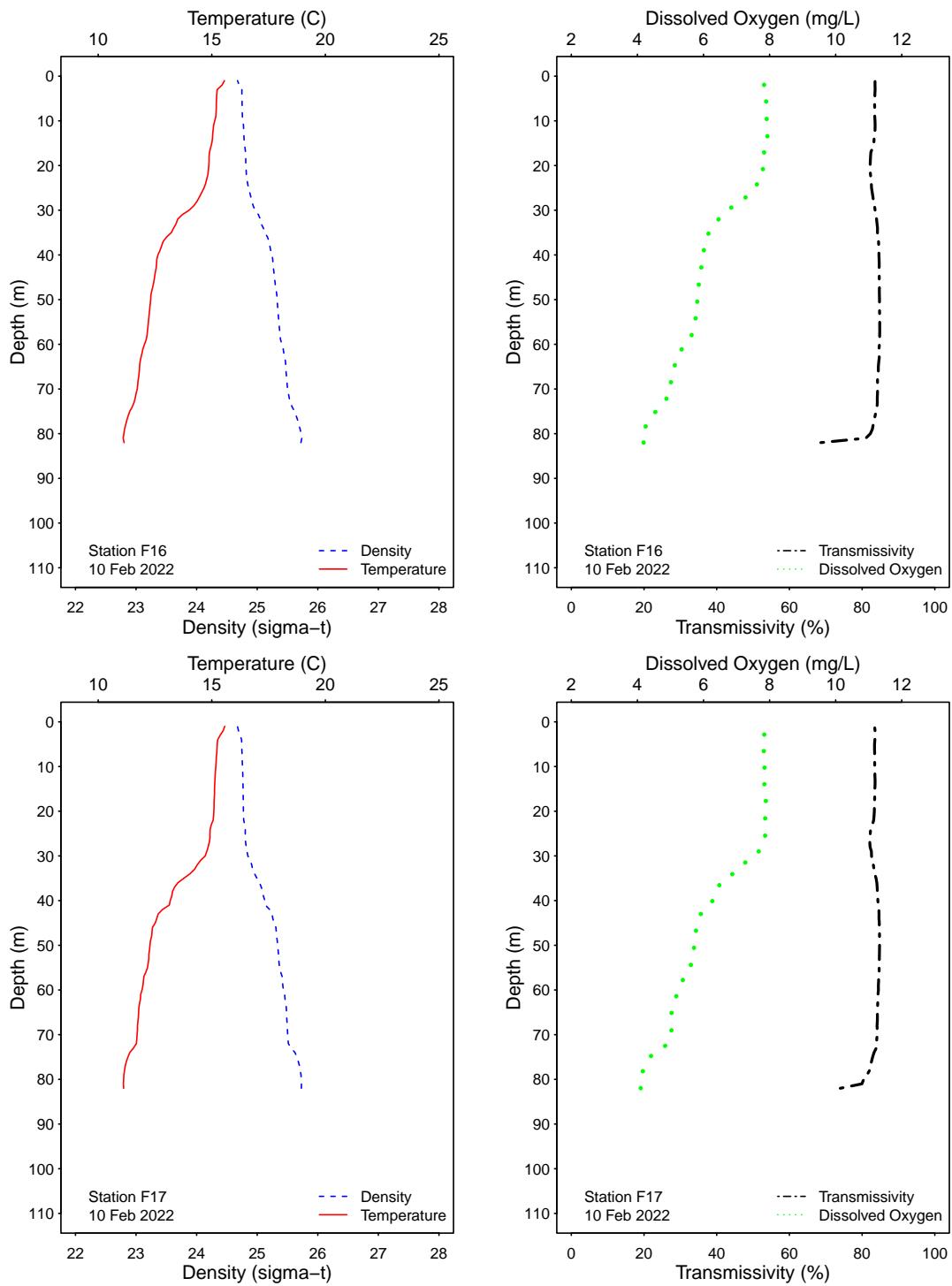


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

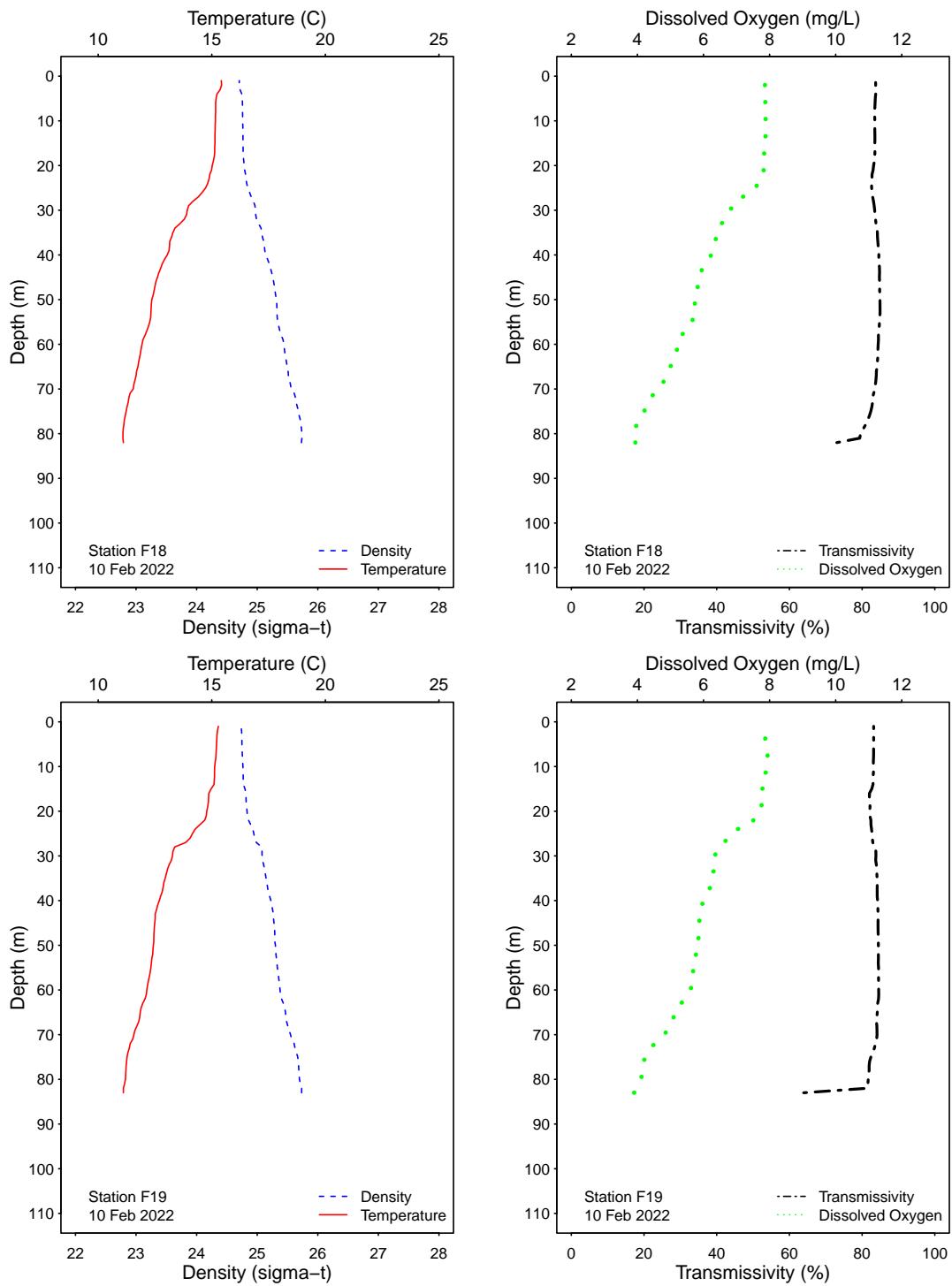


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

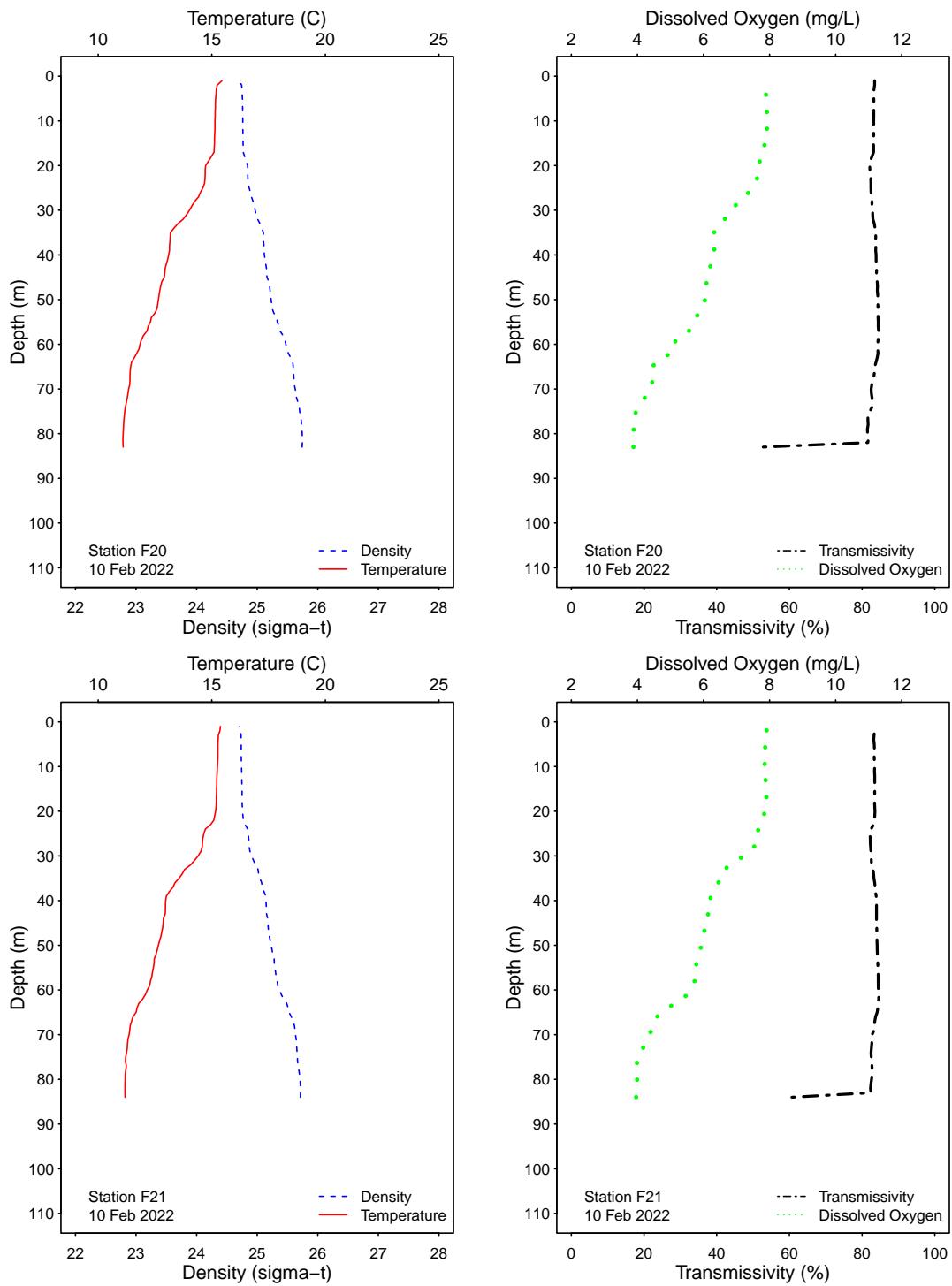


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

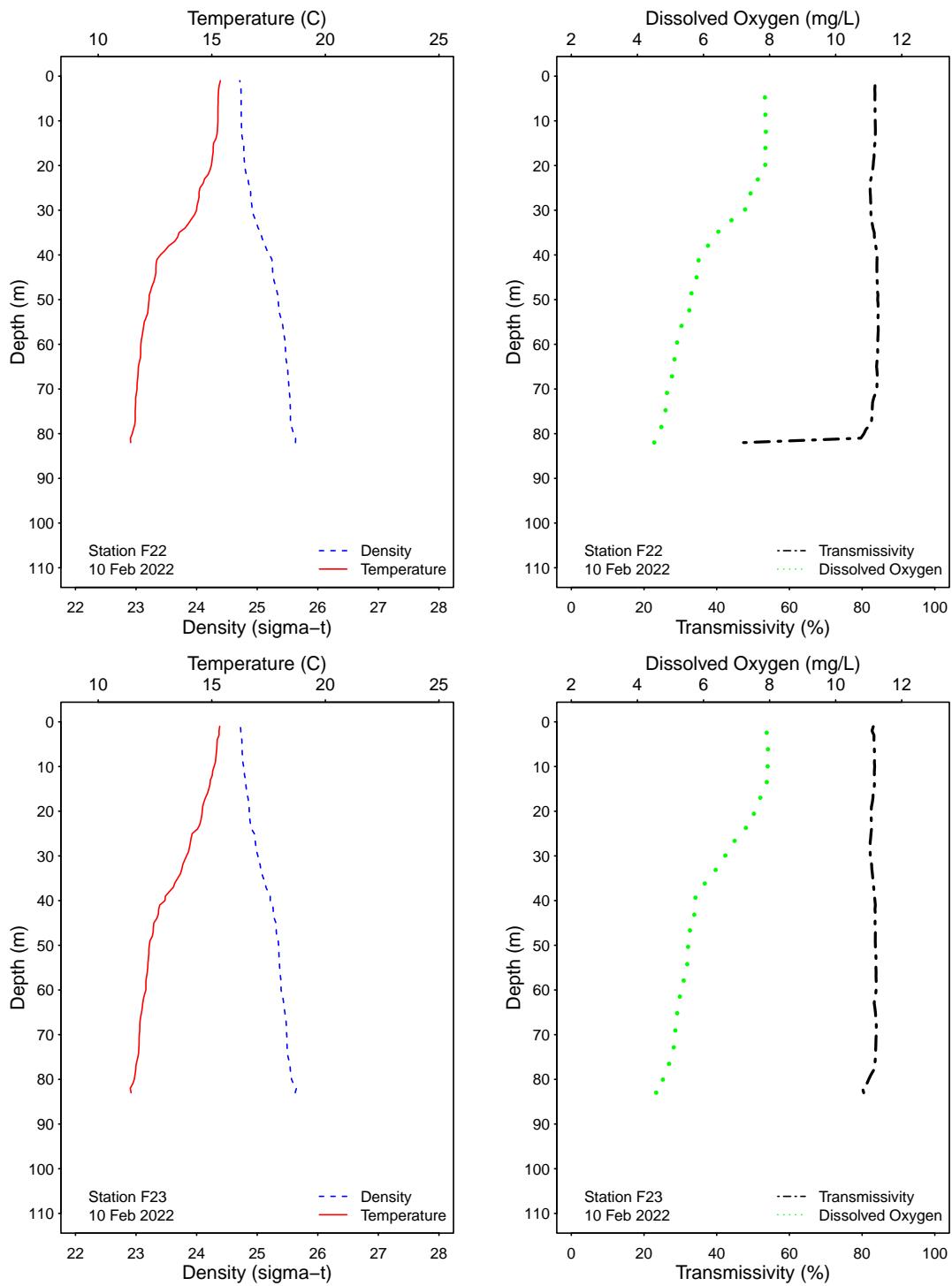


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

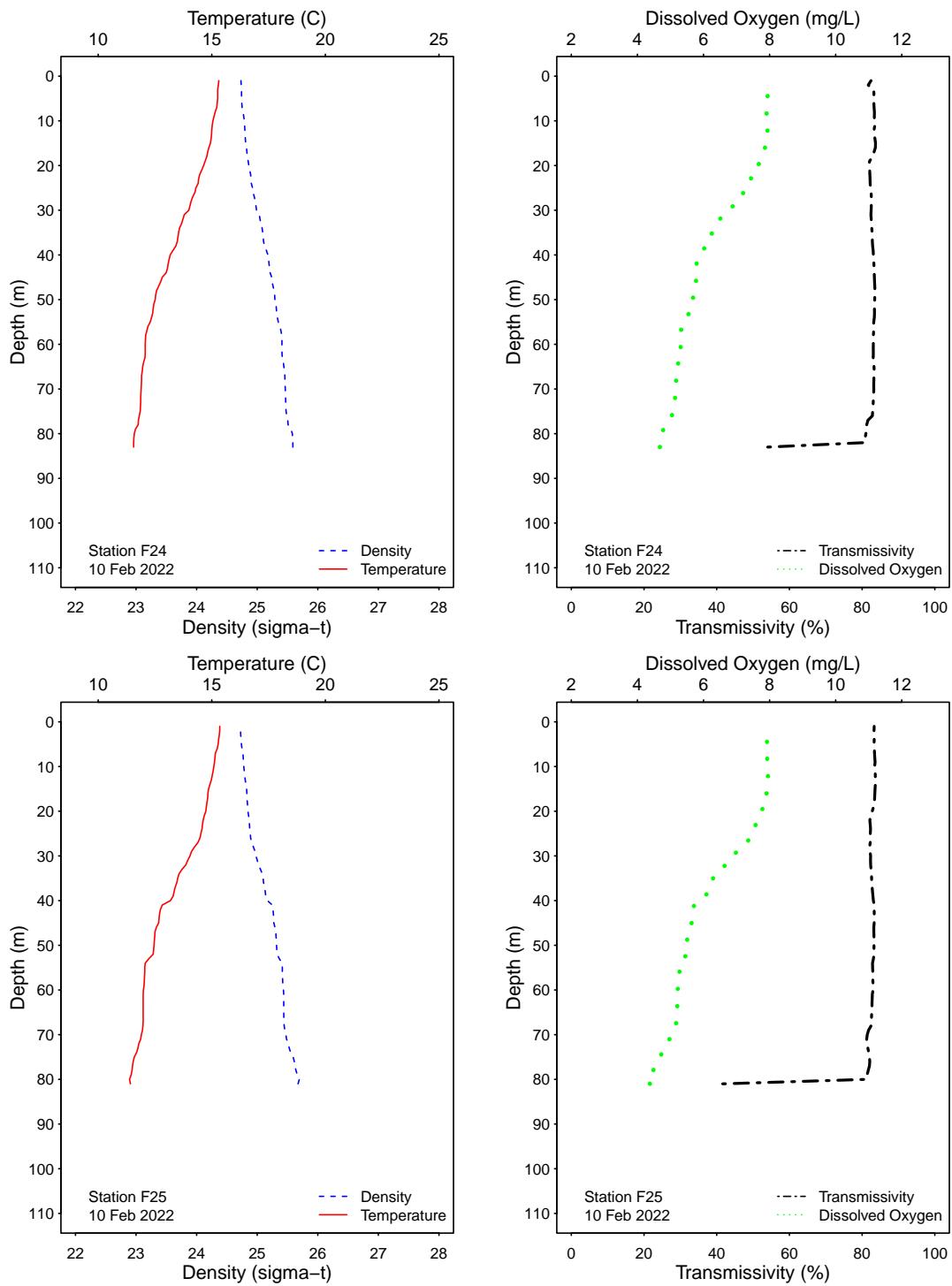


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	07 Feb 2022	18	BS	LAB DUPLICATE	2e	<2	<2
A7	17 Feb 2022	18	AR	LAB DUPLICATE	<2	<2	<2
A7	25 Feb 2022	18	JF	LAB DUPLICATE	6e	<2	<2
C7	07 Feb 2022	18	BS	LAB DUPLICATE	<2	<2	<2
C7	17 Feb 2022	18	AR	LAB DUPLICATE	40e	8e	2e
C7	25 Feb 2022	18	JF	LAB DUPLICATE	10e	<2	<2
C8	07 Feb 2022	12	BS	LAB DUPLICATE	<2	<2	<2
C8	17 Feb 2022	12	AR	LAB DUPLICATE	<2	<2	<2
C8	25 Feb 2022	12	JF	LAB DUPLICATE	2e	<2	<2
D12	02 Feb 2022		KA	FIELD DUPLICATE	<2	2e	2e
D12	02 Feb 2022		KA	LAB DUPLICATE	2e	<2	4e
D12	09 Feb 2022		HF	FIELD DUPLICATE	<2	<2	<2
D12	09 Feb 2022		HF	LAB DUPLICATE	2e	<2	<2
D12	16 Feb 2022		KA	FIELD DUPLICATE	<20	2e	4e
D12	16 Feb 2022		KA	LAB DUPLICATE	20e	6e	6e
D12	23 Feb 2022		CRE	FIELD DUPLICATE	<2	<2	<2
D12	23 Feb 2022		CRE	LAB DUPLICATE	<2	<2	<2
F01	09 Feb 2022	12	KA	LAB DUPLICATE	ns	ns	<2
F02	09 Feb 2022	12	CRE	LAB DUPLICATE	ns	ns	<2
F07	09 Feb 2022	60	AR	LAB DUPLICATE	ns	ns	8e
F08	09 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	8e
F11	09 Feb 2022	60	CRE	LAB DUPLICATE	ns	ns	10e
F17	10 Feb 2022	80	CRE	LAB DUPLICATE	ns	ns	48
F18	10 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	2e
F19	10 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	2e
F20	10 Feb 2022	60	CRE	LAB DUPLICATE	ns	ns	4e
F21	10 Feb 2022	80	AR	LAB DUPLICATE	ns	ns	240e
F28	08 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	<2
F29	08 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	<2
F30	08 Feb 2022	60	KA	LAB DUPLICATE	ns	ns	2e
F31	08 Feb 2022	80	KA	LAB DUPLICATE	ns	ns	2e
F32	08 Feb 2022	80	KA	LAB DUPLICATE	ns	ns	320e
F34	08 Feb 2022	60	JF	LAB DUPLICATE	ns	ns	<2

ns = not sampled

ND = no data

APPENDIX B

New 2019 Ocean Plan Water Quality Objectives

Shore Stations

Table B.1

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Feb 2022	2	2	3	7	8	17	10	3
02 Feb 2022	2	2	3	9	5	17	15	2
03 Feb 2022	2	2	3	9	5	17	15	2
04 Feb 2022	2	2	3	9	5	17	15	2
05 Feb 2022	2	2	3	9	5	17	15	2
06 Feb 2022	2	2	3	9	5	17	15	2
07 Feb 2022	2	2	3	9	5	17	15	2
08 Feb 2022	2	2	3	9	5	17	15	2
09 Feb 2022	2	2	2	6	5	22	23	2
10 Feb 2022	2	2	2	6	5	22	23	2
11 Feb 2022	2	2	2	6	5	22	23	2
12 Feb 2022	2	2	2	6	5	22	23	2
13 Feb 2022	2	2	2	6	5	22	23	2
14 Feb 2022	2	2	2	6	5	22	23	2
15 Feb 2022	2	2	2	6	5	22	23	2
16 Feb 2022	2	2	2	10	6	20	20	3
17 Feb 2022	2	2	2	10	6	20	20	3
18 Feb 2022	2	2	2	10	6	20	20	3
19 Feb 2022	2	2	2	10	6	20	20	3
20 Feb 2022	2	2	2	10	6	20	20	3
21 Feb 2022	2	2	2	10	6	20	20	3
22 Feb 2022	2	2	2	10	6	20	20	3
23 Feb 2022	2	2	3	6	3	21	24	3
24 Feb 2022	2	2	3	6	3	21	24	3
25 Feb 2022	2	2	3	6	3	21	21	3
26 Feb 2022	2	2	3	6	3	21	21	3
27 Feb 2022	2	2	3	6	3	21	21	3
28 Feb 2022	2	2	3	6	3	21	21	3

* Geometric mean calculated using n<5

ns = not sampled

Table B.2

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

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

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Kelp Stations

Table B.3

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Feb 2022	2	2	2	2	2	2	2	2
02 Feb 2022	2	2	2	2	2	2	2	2
03 Feb 2022	2	2	2	2	2	2	2	2
04 Feb 2022	2	2	2	2	2	2	2	2
05 Feb 2022	2	2	2	2	2	2	2	2
06 Feb 2022	2	2	2	2	2	2	2	2
07 Feb 2022	2	2	2	2	2	2	2	2
08 Feb 2022	2	2	2	2	2	2	2	2
09 Feb 2022	2	2	2	2	2	2	2	2
10 Feb 2022	2	2	2	2	2	2	2	2
11 Feb 2022	2	2	2	2	2	2	2	2
12 Feb 2022	2	2	2	2	2	2	2	2
13 Feb 2022	2	2	2	2	2	2	2	2
14 Feb 2022	2	2	2	2	2	2	2	2
15 Feb 2022	2	2	2	2	2	2	2	2
16 Feb 2022	2	2	2	2	2	2	2	2
17 Feb 2022	2	2	2	2	2	2	2	2
18 Feb 2022	2	2	2	2	2	2	2	2
19 Feb 2022	2	2	2	2	2	2	2	2
20 Feb 2022	2	2	2	2	2	2	2	2
21 Feb 2022	2	2	2	2	2	2	2	2
22 Feb 2022	2	2	2	2	2	2	2	2
23 Feb 2022	2	2	2	2	2	2	2	2
24 Feb 2022	2	2	2	2	2	2	2	2
25 Feb 2022	2	2	2	2	2	2	2	2
26 Feb 2022	2	2	2	2	2	2	2	2
27 Feb 2022	2	2	2	2	2	2	2	2
28 Feb 2022	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table B.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
February	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Offshore Stations

Table B.5

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

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

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

