



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 2020

Environmental Monitoring and Technical Services
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101
Tel (619) 758-2300 Fax (619) 758-2309



The City of
SAN DIEGO
Public Utilities Department

Environmental Monitoring & Technical Services Division

March 31, 2020

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

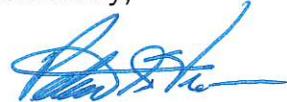
Dear Mr. Gibson:

Enclosed is the February 2020 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409.

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

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

Sincerely,



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

RK/rg

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. However, due to increasing instability, City staff have been unable to safely access and sample station D8-A since February 7, 2018. During March 2018, the City identified an alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A.

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 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

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.

Single Sample Maximums:

- (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 2020 Quality Assurance Report, which will be completed in March 2021.

SUMMARY OF RESULTS

Shore Stations

- During February, each of the eight shore stations was in compliance with California Ocean Plan (Ocean Plan) water contact standards.
- Notable observations included a sewage-like odor at station D5 on February 12 and 26.
- 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>).

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on February 5, 10, 18, and 25.
- During February, all stations were in compliance with the various Ocean Plan water contact standards.
- Water column temperatures ranged from 12.47 to 15.90°C. The difference between surface and bottom waters ranged from 0.01 to 3.02°C.
- Chlorophyll *a* concentrations ranged from 0.32 to 2.26 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

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

Offshore Stations

- Quarterly offshore water quality sampling was conducted on February 19, 20 and 21.
- During February, none 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*.
- Of the remaining 21 offshore stations, three had elevated densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL), as follows:
 - o the Single Sample Maximum (SSM) for *Enterococcus* was exceeded at stations F30, F31, and F32 on February 19 at various depths.
- During February, water column temperatures ranged from 11.16 to 15.91°C. The difference between surface and bottom waters ranged from 1.59 to 4.63°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.20 to 2.81 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.

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- Fecal Coliform Compliance Summary, Geometric Mean Standard
- Enterococcus Bacteria Compliance Summary, Geometric Mean Standard
- Total Coliform Single Sample Maximum
- Fecal Coliform Single Sample Maximum
- Enterococcus Bacteria Single Sample Maximum
- Fecal:Total Coliform Ratio Single Sample Maximum
- Shore Station Water Quality Summary Data
- Visual Observations

Kelp Stations

- Total Coliform Compliance Summary, Geometric Mean Standard
- Fecal Coliform Compliance Summary, Geometric Mean Standard
- Enterococcus Bacteria Compliance Summary, Geometric Mean Standard
- Total Coliform Single Sample Maximum
- Fecal Coliform Single Sample Maximum
- Enterococcus Bacteria Single Sample Maximum
- Fecal:Total Coliform Ratio Single Sample Maximum
- Kelp Station Water Quality Summary Data
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- CTD Profile Data
- CTD Profile Graphics

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- Enterococcus Bacteria Single Sample Maximum
- Water Quality Summary Data
- Visual Observations
- CTD Profile Data
- CTD Profile Graphics

APPENDIX A

Quality Assurance

- Water Quality Summary Data



TABLES AND FIGURES

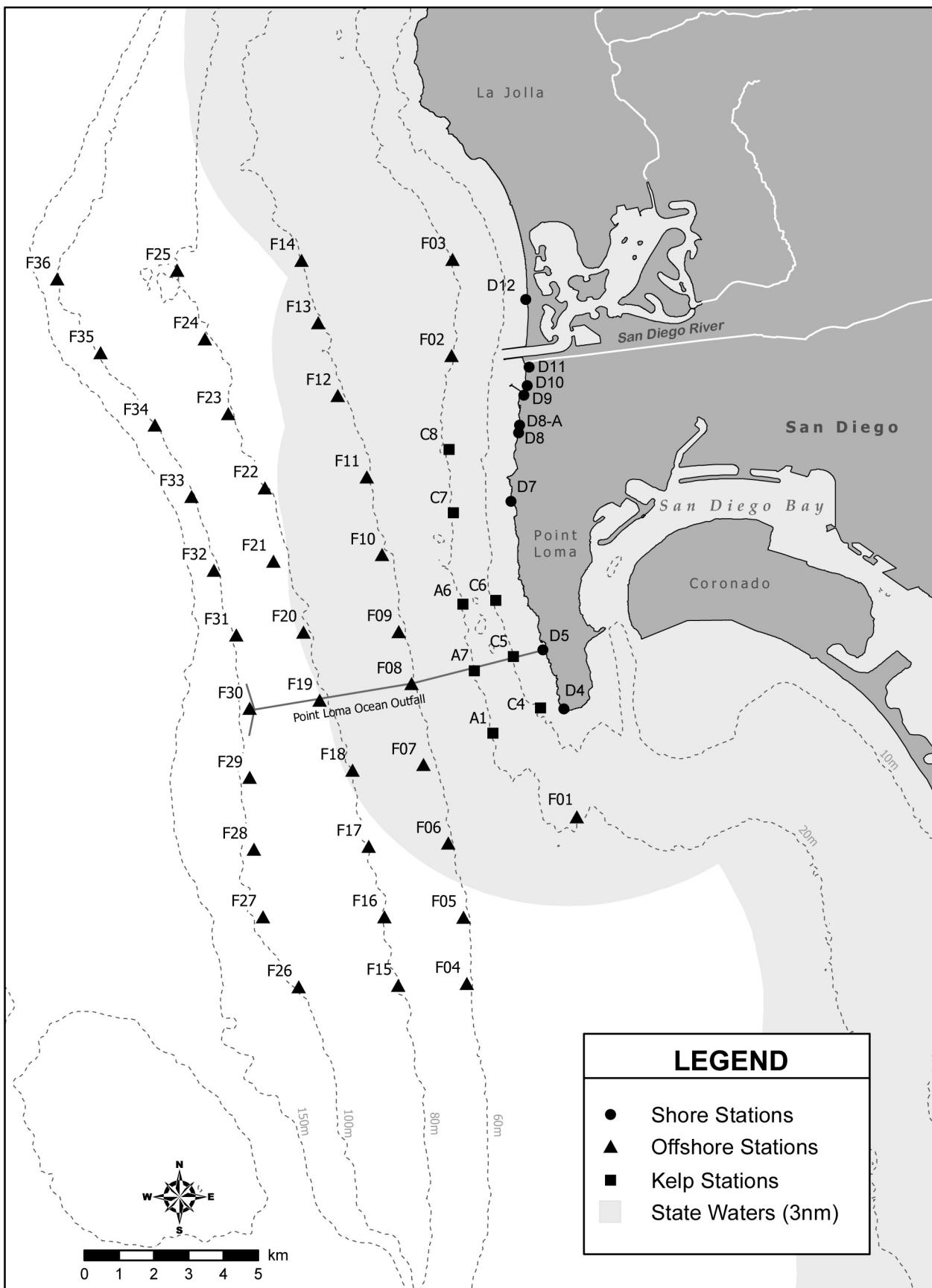


Figure 1.1 Station Map

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 2020	6*	11*	4*	26*	34*	19*	12*	5*
02 Feb 2020	6*	11*	4*	26*	34*	19*	12*	5*
03 Feb 2020	6*	11*	4*	26*	34*	19*	12*	5*
04 Feb 2020	6*	11*	4*	26*	34*	19*	12*	5*
05 Feb 2020	5	13	3	16	19	18	9	4
06 Feb 2020	5	13	3	16	19	18	9	4
07 Feb 2020	2*	11*	4*	6*	19*	17*	11*	5*
08 Feb 2020	2*	11*	4*	6*	19*	17*	11*	5*
09 Feb 2020	2*	11*	4*	6*	19*	17*	11*	5*
10 Feb 2020	2*	11*	4*	6*	19*	17*	11*	5*
11 Feb 2020	2*	11*	4*	6*	19*	17*	11*	5*
12 Feb 2020	2	8	6	8	15	16	12	4
13 Feb 2020	2	8	6	8	15	16	12	4
14 Feb 2020	2*	11*	5*	6*	14*	20*	15*	5*
15 Feb 2020	2*	11*	5*	6*	14*	20*	15*	5*
16 Feb 2020	2*	11*	5*	6*	14*	20*	15*	5*
17 Feb 2020	2*	11*	5*	6*	14*	20*	15*	5*
18 Feb 2020	2*	11*	5*	6*	14*	20*	15*	5*
19 Feb 2020	3	8	7	8	10	20	16	4
20 Feb 2020	3	8	7	8	10	20	16	4
21 Feb 2020	3*	6*	9*	6*	4*	15*	10*	3*
22 Feb 2020	3*	6*	9*	6*	4*	15*	10*	3*
23 Feb 2020	3*	6*	9*	6*	4*	15*	10*	3*
24 Feb 2020	3*	6*	9*	6*	4*	15*	10*	3*
25 Feb 2020	3*	6*	9*	6*	4*	15*	10*	3*
26 Feb 2020	3	5	11	6	4	13	12	2
27 Feb 2020	3	5	11	6	4	13	12	2
28 Feb 2020	3*	4*	17*	8*	3*	11*	13*	2*
29 Feb 2020	3*	4*	17*	8*	3*	11*	13*	2*

* Geometric mean calculated using n<5

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 2020	6*	5*	3*	3*	6*	4*	5*	2*
02 Feb 2020	6*	5*	3*	3*	6*	4*	5*	2*
03 Feb 2020	6*	5*	3*	3*	6*	4*	5*	2*
04 Feb 2020	6*	5*	3*	3*	6*	4*	5*	2*
05 Feb 2020	5	4	3	4	6	4	4	2
06 Feb 2020	5	4	3	4	6	4	4	2
07 Feb 2020	2*	4*	3*	5*	7*	3*	5*	2*
08 Feb 2020	2*	4*	3*	5*	7*	3*	5*	2*
09 Feb 2020	2*	4*	3*	5*	7*	3*	5*	2*
10 Feb 2020	2*	4*	3*	5*	7*	3*	5*	2*
11 Feb 2020	2*	4*	3*	5*	7*	3*	5*	2*
12 Feb 2020	3	3	6	4	6	3	4	2
13 Feb 2020	3	3	6	4	6	3	4	2
14 Feb 2020	3*	4*	5*	5*	6*	3*	5*	2*
15 Feb 2020	3*	4*	5*	5*	6*	3*	5*	2*
16 Feb 2020	3*	4*	5*	5*	6*	3*	5*	2*
17 Feb 2020	3*	4*	5*	5*	6*	3*	5*	2*
18 Feb 2020	3*	4*	5*	5*	6*	3*	5*	2*
19 Feb 2020	4	4	7	4	5	3	7	2
20 Feb 2020	4	4	7	4	5	3	7	2
21 Feb 2020	5*	3*	10*	3*	2*	3*	4*	2*
22 Feb 2020	5*	3*	10*	3*	2*	3*	4*	2*
23 Feb 2020	5*	3*	10*	3*	2*	3*	4*	2*
24 Feb 2020	5*	3*	10*	3*	2*	3*	4*	2*
25 Feb 2020	5*	3*	10*	3*	2*	3*	4*	2*
26 Feb 2020	4	3	10	3	2	3	4	2
27 Feb 2020	4	3	10	3	2	3	4	2
28 Feb 2020	5*	2*	16*	4*	2*	2*	4*	2*
29 Feb 2020	5*	2*	16*	4*	2*	2*	4*	2*

* Geometric mean calculated using n<5

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 2020	8*	3*	2*	5*	16	5*	4*	3*
02 Feb 2020	8*	3*	2*	5*	16	5*	4*	3*
03 Feb 2020	8*	3*	2*	5*	16	5*	4*	3*
04 Feb 2020	8*	3*	2*	5*	16	5*	4*	3*
05 Feb 2020	6	3	2	5	11	4	4	3
06 Feb 2020	6	3	2	5	11	4	4	3
07 Feb 2020	3*	3*	2*	5*	16	5*	4*	3*
08 Feb 2020	3*	3*	2*	5*	16	5*	4*	3*
09 Feb 2020	3*	3*	2*	5*	16	5*	4*	3*
10 Feb 2020	3*	3*	2*	5*	16	5*	4*	3*
11 Feb 2020	3*	3*	2*	5*	16	5*	4*	3*
12 Feb 2020	3	3	2	4	11	4	4	3
13 Feb 2020	3	3	2	4	11	4	4	3
14 Feb 2020	3*	3*	2*	5*	10	4*	4*	3*
15 Feb 2020	3*	3*	2*	5*	10	4*	4*	3*
16 Feb 2020	3*	3*	2*	5*	10	4*	4*	3*
17 Feb 2020	3*	3*	2*	5*	10	4*	4*	3*
18 Feb 2020	3*	3*	2*	5*	10	4*	4*	3*
19 Feb 2020	4	3	2	4	8	3	7	3
20 Feb 2020	4	3	2	4	8	3	7	3
21 Feb 2020	5*	2*	2*	3*	4	2*	4*	2*
22 Feb 2020	5*	2*	2*	3*	3*	2*	4*	2*
23 Feb 2020	5*	2*	2*	3*	3*	2*	4*	2*
24 Feb 2020	5*	2*	2*	3*	3*	2*	4*	2*
25 Feb 2020	5*	2*	2*	3*	3*	2*	4*	2*
26 Feb 2020	4	2	2	3	3	2	4	2
27 Feb 2020	4	2	2	3	3	2	4	2
28 Feb 2020	3*	2*	2*	3*	2*	2*	4*	2*
29 Feb 2020	3*	2*	2*	3*	2*	2*	4*	2*

* Geometric mean calculated using n<5

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
05 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
12 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
19 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
26 Feb 2020	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
05 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
12 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
19 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
26 Feb 2020	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
05 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
12 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
19 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
26 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
05 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
12 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
19 Feb 2020	IC	IC	IC	IC	IC	IC	IC	IC
26 Feb 2020	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	05 Feb 2020	824	<2	<2	<2	1.0
D4	12 Feb 2020	835	2e	6e	<2	3.0
D4	19 Feb 2020	714	12e	22e	16e	1.8
D4	26 Feb 2020	753	<2	2e	<2	1.0
D5	05 Feb 2020	730	<20	<2	<2	0.1
D5	12 Feb 2020	822	<2	<2	<2	1.0
D5	19 Feb 2020	659	<2	4e	4e	2.0
D5	26 Feb 2020	741	<2	2e	2e	1.0
D7	05 Feb 2020	844	2e	<2	<2	1.0
D7	12 Feb 2020	855	64	68	<2	1.1
D7	19 Feb 2020	739	30e	32e	<2	1.1
D7	26 Feb 2020	812	<20	14e	4e	0.7
D8-B	05 Feb 2020	900	2e	10e	4e	5.0
D8-B	12 Feb 2020	1003	18e	<2	4e	0.1
D8-B	19 Feb 2020	804	20e	2e	2e	0.1
D8-B	26 Feb 2020	830	6e	4e	<2	0.7
D9	05 Feb 2020	912	2e	4e	<2	2.0
D9	12 Feb 2020	1011	6e	<2	<2	0.3
D9	19 Feb 2020	816	2e	<2	<2	1.0
D9	26 Feb 2020	845	6e	2e	<2	0.3
D10	05 Feb 2020	1010	12e	<2	2e	0.2
D10	12 Feb 2020	1019	12e	<2	<2	0.2
D10	19 Feb 2020	851	20e	4e	<2	0.2
D10	26 Feb 2020	1008	6e	<2	<2	0.3
D11	05 Feb 2020	1021	4e	2e	<2	0.5
D11	12 Feb 2020	1028	16e	<2	<2	0.1
D11	19 Feb 2020	906	20e	36e	42	1.8
D11	26 Feb 2020	1019	<20	<2	<2	0.1
D12	05 Feb 2020	1042	<2	<2	<2	1.0
D12	12 Feb 2020	1047	<2	<2	<2	1.0
D12	19 Feb 2020	941	2e	2e	2e	1.0
D12	26 Feb 2020	1042	2e	<2	<2	1.0

ns = not sampled

Table 2.9

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

Station	Date	Parameter	Value
D4	05 Feb 2020	Arrive Time	824
D4	05 Feb 2020	Weather	Partly Cloudy
D4	05 Feb 2020	Wind Speed (kts)	8.5
D4	05 Feb 2020	Wind Dir	E
D4	05 Feb 2020	Animal Life	3 Terns
D4	05 Feb 2020	Floatables	None
D4	05 Feb 2020	Water Color	Blue
D4	05 Feb 2020	Current Direction	N
D4	05 Feb 2020	Water Temp (C)	11.8
D4	05 Feb 2020	Wave Height Low (ft)	2
D4	05 Feb 2020	High Tide (ft)	5.3
D4	05 Feb 2020	High Tide Time	541
D4	05 Feb 2020	Low Tide (ft)	-0.5
D4	05 Feb 2020	Low Tide Time	1311
D4	05 Feb 2020	Comments	Water clear
D4	12 Feb 2020	Arrive Time	835
D4	12 Feb 2020	Weather	Sunny
D4	12 Feb 2020	Wind Speed (kts)	8.5
D4	12 Feb 2020	Wind Dir	SE
D4	12 Feb 2020	Animal Life	None
D4	12 Feb 2020	Floatables	None
D4	12 Feb 2020	Water Color	Green
D4	12 Feb 2020	Current Direction	N
D4	12 Feb 2020	Water Temp (C)	13.7
D4	12 Feb 2020	Wave Height Low (ft)	2
D4	12 Feb 2020	High Tide (ft)	5.2
D4	12 Feb 2020	High Tide Time	1054
D4	12 Feb 2020	Low Tide (ft)	0.8
D4	12 Feb 2020	Low Tide Time	501
D4	12 Feb 2020	Comments	Water clear
D4	19 Feb 2020	Arrive Time	714
D4	19 Feb 2020	Weather	Cloudy
D4	19 Feb 2020	Wind Speed (kts)	0.7
D4	19 Feb 2020	Wind Dir	SE
D4	19 Feb 2020	Animal Life	2 Cormorants
D4	19 Feb 2020	Floatables	None
D4	19 Feb 2020	Water Color	Blue
D4	19 Feb 2020	Current Direction	N
D4	19 Feb 2020	Water Temp (C)	16.3
D4	19 Feb 2020	Wave Height Low (ft)	1
D4	19 Feb 2020	High Tide (ft)	5.3
D4	19 Feb 2020	High Tide Time	606
D4	19 Feb 2020	Low Tide (ft)	-0.8
D4	19 Feb 2020	Low Tide Time	1328
D4	19 Feb 2020	Comments	Water clear
D4	26 Feb 2020	Arrive Time	753
D4	26 Feb 2020	Weather	Sunny
D4	26 Feb 2020	Wind Speed (kts)	4

Station	Date	Parameter	Value
D4	26 Feb 2020	Wind Dir	S
D4	26 Feb 2020	Animal Life	1 Seal
D4	26 Feb 2020	Floatables	None
D4	26 Feb 2020	Water Color	Green
D4	26 Feb 2020	Current Direction	N
D4	26 Feb 2020	Water Temp (C)	15.6
D4	26 Feb 2020	Wave Height Low (ft)	1
D4	26 Feb 2020	High Tide (ft)	4.6
D4	26 Feb 2020	High Tide Time	1009
D4	26 Feb 2020	Low Tide (ft)	1.1
D4	26 Feb 2020	Low Tide Time	416
D4	26 Feb 2020	Comments	5 Surfers; 1 Boat; Water clear
D5	05 Feb 2020	Arrive Time	730
D5	05 Feb 2020	Weather	Partly Cloudy
D5	05 Feb 2020	Wind Speed (kts)	0.7
D5	05 Feb 2020	Wind Dir	W
D5	05 Feb 2020	Animal Life	14 Cormorants
D5	05 Feb 2020	Floatables	None
D5	05 Feb 2020	Water Color	Blue
D5	05 Feb 2020	Current Direction	N
D5	05 Feb 2020	Water Temp (C)	12
D5	05 Feb 2020	Wave Height Low (ft)	3
D5	05 Feb 2020	High Tide (ft)	5.3
D5	05 Feb 2020	High Tide Time	541
D5	05 Feb 2020	Low Tide (ft)	-0.5
D5	05 Feb 2020	Low Tide Time	1311
D5	05 Feb 2020	Comments	Water clear
D5	12 Feb 2020	Arrive Time	822
D5	12 Feb 2020	Weather	Sunny
D5	12 Feb 2020	Wind Speed (kts)	3.5
D5	12 Feb 2020	Wind Dir	W
D5	12 Feb 2020	Animal Life	12 Cormorants; 6 Seagulls; 1 Seal
D5	12 Feb 2020	Floatables	None
D5	12 Feb 2020	Water Color	Green
D5	12 Feb 2020	Current Direction	N
D5	12 Feb 2020	Water Temp (C)	14.1
D5	12 Feb 2020	Wave Height Low (ft)	2
D5	12 Feb 2020	High Tide (ft)	5.2
D5	12 Feb 2020	High Tide Time	1054
D5	12 Feb 2020	Low Tide (ft)	0.8
D5	12 Feb 2020	Low Tide Time	501
D5	12 Feb 2020	Comments	Sewage-like odor; Water clear
D5	19 Feb 2020	Arrive Time	659
D5	19 Feb 2020	Weather	Cloudy
D5	19 Feb 2020	Wind Speed (kts)	2.1
D5	19 Feb 2020	Wind Dir	NW
D5	19 Feb 2020	Animal Life	12 Cormorants; 2 Dolphins; 1 Pelican
D5	19 Feb 2020	Floatables	None
D5	19 Feb 2020	Water Color	Blue
D5	19 Feb 2020	Current Direction	N
D5	19 Feb 2020	Water Temp (C)	16.7
D5	19 Feb 2020	Wave Height Low (ft)	1

Station	Date	Parameter	Value
D5	19 Feb 2020	High Tide (ft)	5.3
D5	19 Feb 2020	High Tide Time	606
D5	19 Feb 2020	Low Tide (ft)	-0.8
D5	19 Feb 2020	Low Tide Time	1328
D5	19 Feb 2020	Comments	Water clear
D5	26 Feb 2020	Arrive Time	741
D5	26 Feb 2020	Weather	Sunny
D5	26 Feb 2020	Wind Speed (kts)	1.7
D5	26 Feb 2020	Wind Dir	W
D5	26 Feb 2020	Animal Life	4 Cormorants; 16 Terns
D5	26 Feb 2020	Floatables	None
D5	26 Feb 2020	Water Color	Green
D5	26 Feb 2020	Current Direction	N
D5	26 Feb 2020	Water Temp (C)	15.9
D5	26 Feb 2020	Wave Height Low (ft)	3
D5	26 Feb 2020	High Tide (ft)	4.6
D5	26 Feb 2020	High Tide Time	1009
D5	26 Feb 2020	Low Tide (ft)	1.1
D5	26 Feb 2020	Low Tide Time	416
D5	26 Feb 2020	Comments	Sewage-like odor; Water clear
D7	05 Feb 2020	Arrive Time	844
D7	05 Feb 2020	Weather	Partly Cloudy
D7	05 Feb 2020	Wind Speed (kts)	3.3
D7	05 Feb 2020	Wind Dir	S
D7	05 Feb 2020	Animal Life	1 Seagull
D7	05 Feb 2020	Floatables	None
D7	05 Feb 2020	Water Color	Blue
D7	05 Feb 2020	Current Direction	N
D7	05 Feb 2020	Water Temp (C)	12.1
D7	05 Feb 2020	Wave Height Low (ft)	3
D7	05 Feb 2020	High Tide (ft)	5.3
D7	05 Feb 2020	High Tide Time	541
D7	05 Feb 2020	Low Tide (ft)	-0.5
D7	05 Feb 2020	Low Tide Time	1311
D7	05 Feb 2020	Comments	Water clear
D7	12 Feb 2020	Arrive Time	855
D7	12 Feb 2020	Weather	Sunny
D7	12 Feb 2020	Wind Speed (kts)	4.4
D7	12 Feb 2020	Wind Dir	S
D7	12 Feb 2020	Animal Life	6 Seagulls
D7	12 Feb 2020	Floatables	None
D7	12 Feb 2020	Water Color	Green
D7	12 Feb 2020	Current Direction	N
D7	12 Feb 2020	Water Temp (C)	14
D7	12 Feb 2020	Wave Height Low (ft)	3
D7	12 Feb 2020	High Tide (ft)	5.2
D7	12 Feb 2020	High Tide Time	1054
D7	12 Feb 2020	Low Tide (ft)	0.8
D7	12 Feb 2020	Low Tide Time	501
D7	12 Feb 2020	Comments	Kelp; 2 Surfers; Water clear
D7	19 Feb 2020	Arrive Time	739

Station	Date	Parameter	Value
D7	19 Feb 2020	Weather	Cloudy
D7	19 Feb 2020	Wind Speed (kts)	1.3
D7	19 Feb 2020	Wind Dir	S
D7	19 Feb 2020	Animal Life	20 Cormorants; 2 Pelicans
D7	19 Feb 2020	Floatables	None
D7	19 Feb 2020	Water Color	Blue
D7	19 Feb 2020	Current Direction	N
D7	19 Feb 2020	Water Temp (C)	16.4
D7	19 Feb 2020	Wave Height Low (ft)	1
D7	19 Feb 2020	High Tide (ft)	5.3
D7	19 Feb 2020	High Tide Time	606
D7	19 Feb 2020	Low Tide (ft)	-0.8
D7	19 Feb 2020	Low Tide Time	1328
D7	19 Feb 2020	Comments	Water clear
D7	26 Feb 2020	Arrive Time	812
D7	26 Feb 2020	Weather	Sunny
D7	26 Feb 2020	Wind Speed (kts)	1.5
D7	26 Feb 2020	Wind Dir	S
D7	26 Feb 2020	Animal Life	2 Dogs; 1 Seagull; 5 Terns; 1 Duck
D7	26 Feb 2020	Floatables	None
D7	26 Feb 2020	Water Color	Green
D7	26 Feb 2020	Current Direction	N
D7	26 Feb 2020	Water Temp (C)	16.1
D7	26 Feb 2020	Wave Height Low (ft)	2
D7	26 Feb 2020	High Tide (ft)	4.6
D7	26 Feb 2020	High Tide Time	1009
D7	26 Feb 2020	Low Tide (ft)	1.1
D7	26 Feb 2020	Low Tide Time	416
D7	26 Feb 2020	Comments	Kelp; 2 Persons; 4 Surfers; Water clear
D8-B	05 Feb 2020	Arrive Time	900
D8-B	05 Feb 2020	Weather	Partly Cloudy
D8-B	05 Feb 2020	Wind Speed (kts)	4
D8-B	05 Feb 2020	Wind Dir	NE
D8-B	05 Feb 2020	Animal Life	1 Cormorant; 3 Seagulls
D8-B	05 Feb 2020	Floatables	Foam
D8-B	05 Feb 2020	Water Color	Brown
D8-B	05 Feb 2020	Current Direction	N
D8-B	05 Feb 2020	Water Temp (C)	12.1
D8-B	05 Feb 2020	Wave Height Low (ft)	2
D8-B	05 Feb 2020	High Tide (ft)	5.3
D8-B	05 Feb 2020	High Tide Time	541
D8-B	05 Feb 2020	Low Tide (ft)	-0.5
D8-B	05 Feb 2020	Low Tide Time	1311
D8-B	05 Feb 2020	Comments	Kelp; Water clear
D8-B	12 Feb 2020	Arrive Time	1003
D8-B	12 Feb 2020	Weather	Sunny
D8-B	12 Feb 2020	Wind Speed (kts)	2.9
D8-B	12 Feb 2020	Wind Dir	W
D8-B	12 Feb 2020	Animal Life	40 Seagulls
D8-B	12 Feb 2020	Floatables	None
D8-B	12 Feb 2020	Water Color	Brown
D8-B	12 Feb 2020	Current Direction	N

Station	Date	Parameter	Value
D8-B	12 Feb 2020	Water Temp (C)	14.3
D8-B	12 Feb 2020	Wave Height Low (ft)	2
D8-B	12 Feb 2020	High Tide (ft)	5.2
D8-B	12 Feb 2020	High Tide Time	1054
D8-B	12 Feb 2020	Low Tide (ft)	0.8
D8-B	12 Feb 2020	Low Tide Time	501
D8-B	12 Feb 2020	Comments	Kelp; Water clear
D8-B	19 Feb 2020	Arrive Time	804
D8-B	19 Feb 2020	Weather	Drizzle
D8-B	19 Feb 2020	Wind Speed (kts)	3.4
D8-B	19 Feb 2020	Wind Dir	W
D8-B	19 Feb 2020	Animal Life	1 Cormorant
D8-B	19 Feb 2020	Floatables	None
D8-B	19 Feb 2020	Water Color	Blue
D8-B	19 Feb 2020	Current Direction	N
D8-B	19 Feb 2020	Water Temp (C)	16.6
D8-B	19 Feb 2020	Wave Height Low (ft)	2
D8-B	19 Feb 2020	High Tide (ft)	5.3
D8-B	19 Feb 2020	High Tide Time	606
D8-B	19 Feb 2020	Low Tide (ft)	-0.8
D8-B	19 Feb 2020	Low Tide Time	1328
D8-B	19 Feb 2020	Comments	Water clear
D8-B	26 Feb 2020	Arrive Time	830
D8-B	26 Feb 2020	Weather	Sunny
D8-B	26 Feb 2020	Wind Speed (kts)	1.9
D8-B	26 Feb 2020	Wind Dir	NW
D8-B	26 Feb 2020	Animal Life	1 Cormorant; 1 Seagull; 25 Terns
D8-B	26 Feb 2020	Floatables	None
D8-B	26 Feb 2020	Water Color	Green
D8-B	26 Feb 2020	Current Direction	N
D8-B	26 Feb 2020	Water Temp (C)	15.8
D8-B	26 Feb 2020	Wave Height Low (ft)	2
D8-B	26 Feb 2020	High Tide (ft)	4.6
D8-B	26 Feb 2020	High Tide Time	1009
D8-B	26 Feb 2020	Low Tide (ft)	1.1
D8-B	26 Feb 2020	Low Tide Time	416
D8-B	26 Feb 2020	Comments	1 Person; Water turbid
D9	05 Feb 2020	Arrive Time	912
D9	05 Feb 2020	Weather	Partly Cloudy
D9	05 Feb 2020	Wind Speed (kts)	0.7
D9	05 Feb 2020	Wind Dir	S
D9	05 Feb 2020	Animal Life	2 Seagulls
D9	05 Feb 2020	Floatables	None
D9	05 Feb 2020	Water Color	Green
D9	05 Feb 2020	Current Direction	N
D9	05 Feb 2020	Water Temp (C)	12.6
D9	05 Feb 2020	Wave Height Low (ft)	3
D9	05 Feb 2020	High Tide (ft)	5.3
D9	05 Feb 2020	High Tide Time	541
D9	05 Feb 2020	Low Tide (ft)	-0.5
D9	05 Feb 2020	Low Tide Time	1311
D9	05 Feb 2020	Comments	Algae; 1 Person; Water clear

Station	Date	Parameter	Value
D9	12 Feb 2020	Arrive Time	1011
D9	12 Feb 2020	Weather	Sunny
D9	12 Feb 2020	Wind Speed (kts)	2.1
D9	12 Feb 2020	Wind Dir	SW
D9	12 Feb 2020	Animal Life	1 Seagull
D9	12 Feb 2020	Floatables	None
D9	12 Feb 2020	Water Color	Green
D9	12 Feb 2020	Current Direction	N
D9	12 Feb 2020	Water Temp (C)	16.7
D9	12 Feb 2020	Wave Height Low (ft)	3
D9	12 Feb 2020	High Tide (ft)	5.2
D9	12 Feb 2020	High Tide Time	1054
D9	12 Feb 2020	Low Tide (ft)	0.8
D9	12 Feb 2020	Low Tide Time	501
D9	12 Feb 2020	Comments	Algae; 1 Surfer; Water clear
D9	19 Feb 2020	Arrive Time	816
D9	19 Feb 2020	Weather	Cloudy
D9	19 Feb 2020	Wind Speed (kts)	2.3
D9	19 Feb 2020	Wind Dir	SW
D9	19 Feb 2020	Animal Life	5 Pelicans
D9	19 Feb 2020	Floatables	None
D9	19 Feb 2020	Water Color	Blue
D9	19 Feb 2020	Current Direction	N
D9	19 Feb 2020	Water Temp (C)	16.4
D9	19 Feb 2020	Wave Height Low (ft)	2
D9	19 Feb 2020	High Tide (ft)	5.3
D9	19 Feb 2020	High Tide Time	606
D9	19 Feb 2020	Low Tide (ft)	-0.8
D9	19 Feb 2020	Low Tide Time	1328
D9	19 Feb 2020	Comments	Algae; 1 Swimmer; Water clear
D9	26 Feb 2020	Arrive Time	845
D9	26 Feb 2020	Weather	Sunny
D9	26 Feb 2020	Wind Speed (kts)	1.3
D9	26 Feb 2020	Wind Dir	S
D9	26 Feb 2020	Animal Life	2 Pelicans; 1 Seagull
D9	26 Feb 2020	Floatables	None
D9	26 Feb 2020	Water Color	Green
D9	26 Feb 2020	Current Direction	N
D9	26 Feb 2020	Water Temp (C)	16.5
D9	26 Feb 2020	Wave Height Low (ft)	3
D9	26 Feb 2020	High Tide (ft)	4.6
D9	26 Feb 2020	High Tide Time	1009
D9	26 Feb 2020	Low Tide (ft)	1.1
D9	26 Feb 2020	Low Tide Time	416
D9	26 Feb 2020	Comments	Algae; Water clear
D10	05 Feb 2020	Arrive Time	1010
D10	05 Feb 2020	Weather	Partly Cloudy
D10	05 Feb 2020	Wind Speed (kts)	3.6
D10	05 Feb 2020	Wind Dir	NE
D10	05 Feb 2020	Animal Life	1 Grebe; 2 Seagulls
D10	05 Feb 2020	Floatables	None

Station	Date	Parameter	Value
D10	05 Feb 2020	Water Color	Green
D10	05 Feb 2020	Current Direction	N
D10	05 Feb 2020	Water Temp (C)	12.7
D10	05 Feb 2020	Wave Height Low (ft)	3
D10	05 Feb 2020	High Tide (ft)	5.3
D10	05 Feb 2020	High Tide Time	541
D10	05 Feb 2020	Low Tide (ft)	-0.5
D10	05 Feb 2020	Low Tide Time	1311
D10	05 Feb 2020	Comments	1 Jogger; 4 Persons; 13 Surfers; Water clear
D10	12 Feb 2020	Arrive Time	1019
D10	12 Feb 2020	Weather	Sunny
D10	12 Feb 2020	Wind Speed (kts)	5
D10	12 Feb 2020	Wind Dir	S
D10	12 Feb 2020	Animal Life	4 Seagulls
D10	12 Feb 2020	Floatables	None
D10	12 Feb 2020	Water Color	Green
D10	12 Feb 2020	Current Direction	N
D10	12 Feb 2020	Water Temp (C)	15.9
D10	12 Feb 2020	Wave Height Low (ft)	3
D10	12 Feb 2020	High Tide (ft)	5.2
D10	12 Feb 2020	High Tide Time	1054
D10	12 Feb 2020	Low Tide (ft)	0.8
D10	12 Feb 2020	Low Tide Time	501
D10	12 Feb 2020	Comments	5 Persons; 36 Surfers; Water clear
D10	19 Feb 2020	Arrive Time	851
D10	19 Feb 2020	Weather	Cloudy
D10	19 Feb 2020	Wind Speed (kts)	3.6
D10	19 Feb 2020	Wind Dir	W
D10	19 Feb 2020	Animal Life	7 Seagulls
D10	19 Feb 2020	Floatables	None
D10	19 Feb 2020	Water Color	Blue
D10	19 Feb 2020	Current Direction	N
D10	19 Feb 2020	Water Temp (C)	16.3
D10	19 Feb 2020	Wave Height Low (ft)	3
D10	19 Feb 2020	High Tide (ft)	5.3
D10	19 Feb 2020	High Tide Time	606
D10	19 Feb 2020	Low Tide (ft)	-0.8
D10	19 Feb 2020	Low Tide Time	1328
D10	19 Feb 2020	Comments	5 Persons; 22 Surfers; Water clear
D10	26 Feb 2020	Arrive Time	1008
D10	26 Feb 2020	Weather	Sunny
D10	26 Feb 2020	Wind Speed (kts)	4.8
D10	26 Feb 2020	Wind Dir	W
D10	26 Feb 2020	Animal Life	1 Dog; 4 Seagulls
D10	26 Feb 2020	Floatables	None
D10	26 Feb 2020	Water Color	Green
D10	26 Feb 2020	Current Direction	S
D10	26 Feb 2020	Water Temp (C)	16.5
D10	26 Feb 2020	Wave Height Low (ft)	3
D10	26 Feb 2020	High Tide (ft)	4.6
D10	26 Feb 2020	High Tide Time	1009
D10	26 Feb 2020	Low Tide (ft)	1.1

Station	Date	Parameter	Value
D10	26 Feb 2020	Low Tide Time	416
D10	26 Feb 2020	Comments	9 Persons; 24 Surfers; Water clear
D11	05 Feb 2020	Arrive Time	1021
D11	05 Feb 2020	Weather	Partly Cloudy
D11	05 Feb 2020	Wind Speed (kts)	0
D11	05 Feb 2020	Wind Dir	
D11	05 Feb 2020	Animal Life	1 Shorebird; 4 Dogs; 200 Flies; 2 Seagulls
D11	05 Feb 2020	Floatables	None
D11	05 Feb 2020	Water Color	Green
D11	05 Feb 2020	Current Direction	N
D11	05 Feb 2020	Water Temp (C)	14.9
D11	05 Feb 2020	Wave Height Low (ft)	4
D11	05 Feb 2020	High Tide (ft)	5.3
D11	05 Feb 2020	High Tide Time	541
D11	05 Feb 2020	Low Tide (ft)	-0.5
D11	05 Feb 2020	Low Tide Time	1311
D11	05 Feb 2020	Comments	6 Persons; 13 Surfers; Water clear
D11	12 Feb 2020	Arrive Time	1028
D11	12 Feb 2020	Weather	Sunny
D11	12 Feb 2020	Wind Speed (kts)	6.4
D11	12 Feb 2020	Wind Dir	S
D11	12 Feb 2020	Animal Life	4 Dogs; 2 Seagulls
D11	12 Feb 2020	Floatables	None
D11	12 Feb 2020	Water Color	Green
D11	12 Feb 2020	Current Direction	N
D11	12 Feb 2020	Water Temp (C)	17.2
D11	12 Feb 2020	Wave Height Low (ft)	3
D11	12 Feb 2020	High Tide (ft)	5.2
D11	12 Feb 2020	High Tide Time	1054
D11	12 Feb 2020	Low Tide (ft)	0.8
D11	12 Feb 2020	Low Tide Time	501
D11	12 Feb 2020	Comments	12 Persons; 15 Surfers; Water clear
D11	19 Feb 2020	Arrive Time	906
D11	19 Feb 2020	Weather	Cloudy
D11	19 Feb 2020	Wind Speed (kts)	3.6
D11	19 Feb 2020	Wind Dir	W
D11	19 Feb 2020	Animal Life	1 Shorebird; 6 Dogs; 3 Seagulls
D11	19 Feb 2020	Floatables	None
D11	19 Feb 2020	Water Color	Blue
D11	19 Feb 2020	Current Direction	N
D11	19 Feb 2020	Water Temp (C)	16.5
D11	19 Feb 2020	Wave Height Low (ft)	2
D11	19 Feb 2020	High Tide (ft)	5.3
D11	19 Feb 2020	High Tide Time	606
D11	19 Feb 2020	Low Tide (ft)	-0.8
D11	19 Feb 2020	Low Tide Time	1328
D11	19 Feb 2020	Comments	4 Persons; 10 Surfers; 1 Fisherman; Water clear
D11	26 Feb 2020	Arrive Time	1019
D11	26 Feb 2020	Weather	Sunny
D11	26 Feb 2020	Wind Speed (kts)	5.8
D11	26 Feb 2020	Wind Dir	N

Station	Date	Parameter	Value
D11	26 Feb 2020	Animal Life	8 Dogs; 1 Pelican; 3 Seagulls
D11	26 Feb 2020	Floatables	None
D11	26 Feb 2020	Water Color	Green
D11	26 Feb 2020	Current Direction	S
D11	26 Feb 2020	Water Temp (C)	17.1
D11	26 Feb 2020	Wave Height Low (ft)	3
D11	26 Feb 2020	High Tide (ft)	4.6
D11	26 Feb 2020	High Tide Time	1009
D11	26 Feb 2020	Low Tide (ft)	1.1
D11	26 Feb 2020	Low Tide Time	416
D11	26 Feb 2020	Comments	Kelp; 12 Persons; 34 Surfers; Water clear
D12	05 Feb 2020	Arrive Time	1042
D12	05 Feb 2020	Weather	Partly Cloudy
D12	05 Feb 2020	Wind Speed (kts)	2.1
D12	05 Feb 2020	Wind Dir	S
D12	05 Feb 2020	Animal Life	16 Seagulls
D12	05 Feb 2020	Floatables	None
D12	05 Feb 2020	Water Color	Green
D12	05 Feb 2020	Current Direction	N
D12	05 Feb 2020	Water Temp (C)	15.1
D12	05 Feb 2020	Wave Height Low (ft)	3
D12	05 Feb 2020	High Tide (ft)	5.3
D12	05 Feb 2020	High Tide Time	541
D12	05 Feb 2020	Low Tide (ft)	-0.5
D12	05 Feb 2020	Low Tide Time	1311
D12	05 Feb 2020	Comments	3 Joggers; 2 Persons; 7 Surfers; Water clear
D12	12 Feb 2020	Arrive Time	1047
D12	12 Feb 2020	Weather	Sunny
D12	12 Feb 2020	Wind Speed (kts)	6.9
D12	12 Feb 2020	Wind Dir	S
D12	12 Feb 2020	Animal Life	20 Seagulls
D12	12 Feb 2020	Floatables	None
D12	12 Feb 2020	Water Color	Green
D12	12 Feb 2020	Current Direction	N
D12	12 Feb 2020	Water Temp (C)	17
D12	12 Feb 2020	Wave Height Low (ft)	2
D12	12 Feb 2020	High Tide (ft)	5.2
D12	12 Feb 2020	High Tide Time	1054
D12	12 Feb 2020	Low Tide (ft)	0.8
D12	12 Feb 2020	Low Tide Time	501
D12	12 Feb 2020	Comments	1 Jogger; 19 Persons; 4 Surfers; Water clear
D12	19 Feb 2020	Arrive Time	941
D12	19 Feb 2020	Weather	Cloudy
D12	19 Feb 2020	Wind Speed (kts)	3.6
D12	19 Feb 2020	Wind Dir	W
D12	19 Feb 2020	Animal Life	2 Godwits; 1 Seagull
D12	19 Feb 2020	Floatables	None
D12	19 Feb 2020	Water Color	Blue
D12	19 Feb 2020	Current Direction	N
D12	19 Feb 2020	Water Temp (C)	16.8
D12	19 Feb 2020	Wave Height Low (ft)	2
D12	19 Feb 2020	High Tide (ft)	5.3

Station	Date	Parameter	Value
D12	19 Feb 2020	High Tide Time	606
D12	19 Feb 2020	Low Tide (ft)	-0.8
D12	19 Feb 2020	Low Tide Time	1328
D12	19 Feb 2020	Comments	10 Persons; 1 Fisherman; Water clear
D12	26 Feb 2020	Arrive Time	1042
D12	26 Feb 2020	Weather	Sunny
D12	26 Feb 2020	Wind Speed (kts)	4.6
D12	26 Feb 2020	Wind Dir	W
D12	26 Feb 2020	Animal Life	2 Seagulls
D12	26 Feb 2020	Floatables	None
D12	26 Feb 2020	Water Color	Green
D12	26 Feb 2020	Current Direction	N
D12	26 Feb 2020	Water Temp (C)	18.3
D12	26 Feb 2020	Wave Height Low (ft)	2
D12	26 Feb 2020	High Tide (ft)	4.6
D12	26 Feb 2020	High Tide Time	1009
D12	26 Feb 2020	Low Tide (ft)	0.3
D12	26 Feb 2020	Low Tide Time	1640
D12	26 Feb 2020	Comments	Kelp; 21 Persons; 3 Surfers; 1 Boat; Water clear

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Feb 2020	28*	9*	22*	8*	6*	5*	5*	6*
02 Feb 2020	28*	9*	22*	8*	6*	5*	5*	6*
03 Feb 2020	28*	9*	22*	8*	6*	5*	5*	6*
04 Feb 2020	28*	9*	22*	8*	6*	5*	5*	6*
05 Feb 2020	25	8	18	6	5	4	6	6
06 Feb 2020	32*	9*	27*	5*	4*	5*	6*	8*
07 Feb 2020	32*	9*	27*	5*	4*	5*	6*	8*
08 Feb 2020	32*	9*	27*	5*	4*	5*	6*	8*
09 Feb 2020	32*	9*	27*	5*	4*	5*	6*	8*
10 Feb 2020	35	7	21	7	4	4	5	6
11 Feb 2020	35	7	21	7	4	4	5	6
12 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
13 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
14 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
15 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
16 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
17 Feb 2020	21*	5*	14*	7*	4*	3*	5*	5*
18 Feb 2020	15	5	11	5	4	3	4	4
19 Feb 2020	15	5	11	5	4	3	4	4
20 Feb 2020	24*	6*	13*	4*	2*	2*	3*	4*
21 Feb 2020	24*	6*	13*	4*	2*	2*	3*	4*
22 Feb 2020	24*	6*	13*	4*	2*	2*	3*	4*
23 Feb 2020	24*	6*	13*	4*	2*	2*	3*	4*
24 Feb 2020	24*	6*	13*	4*	2*	2*	3*	4*
25 Feb 2020	24	8	23	3	2	2	3	7
26 Feb 2020	24	8	23	3	2	2	3	7
27 Feb 2020	16*	7*	14*	4*	2*	2*	4*	7*
28 Feb 2020	16*	7*	14*	4*	2*	2*	4*	7*
29 Feb 2020	16*	7*	14*	4*	2*	2*	4*	7*

* 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 2020	8*	3*	4*	2*	3*	2*	2*	2*
02 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
03 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
04 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
05 Feb 2020	6	3	4	2	3	2	3	2
06 Feb 2020	8*	4*	5*	2*	3*	2*	3*	2*
07 Feb 2020	8*	4*	5*	2*	3*	2*	3*	2*
08 Feb 2020	8*	4*	5*	2*	3*	2*	3*	2*
09 Feb 2020	8*	4*	5*	2*	3*	2*	3*	2*
10 Feb 2020	10	3	4	2	3	2	3	2
11 Feb 2020	10	3	4	2	3	2	3	2
12 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
13 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
14 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
15 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
16 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
17 Feb 2020	8*	3*	4*	2*	3*	2*	2*	2*
18 Feb 2020	6	3	4	2	3	2	2	2
19 Feb 2020	6	3	4	2	3	2	2	2
20 Feb 2020	8*	3*	4*	2*	2*	2*	2*	2*
21 Feb 2020	8*	3*	4*	2*	2*	2*	2*	2*
22 Feb 2020	8*	3*	4*	2*	2*	2*	2*	2*
23 Feb 2020	8*	3*	4*	2*	2*	2*	2*	2*
24 Feb 2020	8*	3*	4*	2*	2*	2*	2*	2*
25 Feb 2020	8	4	7	2	2	2	2	2
26 Feb 2020	8	4	7	2	2	2	2	2
27 Feb 2020	5*	4*	5*	2*	2*	2*	2*	2*
28 Feb 2020	5*	4*	5*	2*	2*	2*	2*	2*
29 Feb 2020	5*	4*	5*	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 2020	3*	3*	2*	2*	2*	2*	2*	2*
02 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
03 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
04 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
05 Feb 2020	3	3	2	2	2	2	2	2
06 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
07 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
08 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
09 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
10 Feb 2020	3	3	2	2	2	2	2	2
11 Feb 2020	3	3	2	2	2	2	2	2
12 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
13 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
14 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
15 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
16 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
17 Feb 2020	3*	3*	2*	2*	2*	2*	2*	2*
18 Feb 2020	3	3	2	2	2	2	2	2
19 Feb 2020	3	3	2	2	2	2	2	2
20 Feb 2020	3*	2*	2*	2*	2*	2*	2*	2*
21 Feb 2020	3*	2*	2*	2*	2*	2*	2*	2*
22 Feb 2020	3*	2*	2*	2*	2*	2*	2*	2*
23 Feb 2020	3*	2*	2*	2*	2*	2*	2*	2*
24 Feb 2020	3*	2*	2*	2*	2*	2*	2*	2*
25 Feb 2020	3	2	3	2	2	2	2	2
26 Feb 2020	3	2	3	2	2	2	2	2
27 Feb 2020	2*	2*	3*	2*	2*	2*	2*	2*
28 Feb 2020	2*	2*	3*	2*	2*	2*	2*	2*
29 Feb 2020	2*	2*	3*	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
05 Feb 2020	IC							
10 Feb 2020	IC							
18 Feb 2020	IC							
25 Feb 2020	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
05 Feb 2020	IC							
10 Feb 2020	IC							
18 Feb 2020	IC							
25 Feb 2020	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
05 Feb 2020	IC							
10 Feb 2020	IC							
18 Feb 2020	IC							
25 Feb 2020	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
05 Feb 2020	IC							
10 Feb 2020	IC							
18 Feb 2020	IC							
25 Feb 2020	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	05 Feb 2020	821	1	<2	<2	<2	1.00	14.7	86.73	7.2	33.53	8.1
A1	05 Feb 2020	821	12	<2	<2	<2	1.00	14.7	86.79	7.7	33.53	8.1
A1	05 Feb 2020	821	18	46	<2	<2	0.04	14.6	87.95	7.2	33.55	8.0
A1	10 Feb 2020	805	1	<2	<2	<2	1.00	15.1	89.68	7.8	33.43	8.0
A1	10 Feb 2020	805	12	26e	2e	<2	0.08	14.8	88.26	7.6	33.53	8.0
A1	10 Feb 2020	805	18	120e	78	10e	0.65	13.3	87.32	6.6	33.56	7.9
A1	18 Feb 2020	750	1	2e	<2	<2	1.00	15.4	89.03	8.0	33.51	8.0
A1	18 Feb 2020	750	12	<2	<2	<2	1.00	15.2	86.92	8.3	33.51	8.0
A1	18 Feb 2020	750	18	6e	4e	2e	0.67	14.2	88.95	7.1	33.54	7.9
A1	25 Feb 2020	818	1	2e	<2	<2	1.00	15.3	87.18	8.3	33.53	8.1
A1	25 Feb 2020	818	12	66	12e	<2	0.18	12.9	88.05	6.3	33.55	7.9
A1	25 Feb 2020	818	18	8e	2e	2e	0.25	12.5	88.44	6.0	33.56	7.8
A6	05 Feb 2020	847	1	4e	<2	<2	0.50	14.7	87.32	7.6	33.54	8.1
A6	05 Feb 2020	847	12	10e	<2	<2	0.20	14.6	86.18	7.3	33.55	8.1
A6	05 Feb 2020	847	18	<2	12e	2e	6.00	14.3	85.55	7.0	33.59	8.0
A6	10 Feb 2020	833	1	2e	<2	<2	1.00	15.0	86.01	7.9	33.39	8.1
A6	10 Feb 2020	833	12	<2	<2	<2	1.00	15.1	87.37	7.8	33.52	8.1
A6	10 Feb 2020	833	18	2e	<2	<2	1.00	15.0	87.59	7.7	33.53	8.1
A6	18 Feb 2020	820	1	2e	<2	<2	1.00	15.4	87.34	8.5	33.51	8.1
A6	18 Feb 2020	820	12	<2	<2	<2	1.00	15.4	87.43	8.3	33.51	8.1
A6	18 Feb 2020	820	18	<20	2e	<2	0.10	14.8	88.63	7.4	33.55	8.0
A6	25 Feb 2020	853	1	2e	<2	<2	1.00	15.5	85.63	8.2	33.51	8.0
A6	25 Feb 2020	853	12	28e	14e	<2	0.50	13.3	88.26	6.6	33.54	7.9
A6	25 Feb 2020	853	18	56	16e	2e	0.29	13.1	87.38	6.2	33.53	7.9
A7	05 Feb 2020	833	1	<2	<2	<2	1.00	14.7	83.65	7.6	33.54	8.1
A7	05 Feb 2020	833	12	2e	2e	2e	1.00	14.7	86.85	7.4	33.54	8.1
A7	05 Feb 2020	833	18	18e	6e	<2	0.33	14.5	86.71	7.1	33.57	8.0
A7	10 Feb 2020	820	1	<2	<2	<2	1.00	15.0	83.20	7.8	33.32	8.1
A7	10 Feb 2020	820	12	4e	<2	<2	0.50	15.1	87.52	7.6	33.52	8.1
A7	10 Feb 2020	820	18	14e	<2	<2	0.14	14.1	86.72	7.1	33.56	8.0
A7	18 Feb 2020	807	1	2e	<2	<2	1.00	15.4	86.19	8.5	33.49	8.1
A7	18 Feb 2020	807	12	<2	<2	<2	1.00	15.4	88.34	8.1	33.51	8.0
A7	18 Feb 2020	807	18	8e	<2	<2	0.25	14.9	88.10	7.6	33.54	8.0
A7	25 Feb 2020	835	1	4e	<2	<2	0.50	15.5	86.17	8.2	33.51	8.0
A7	25 Feb 2020	835	12	400	84	4e	0.21	12.6	88.43	6.0	33.55	7.8
A7	25 Feb 2020	835	18	180e	78	10e	0.43	12.5	87.64	5.8	33.55	7.8

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C4	05 Feb 2020	1003	1	<2	<2	<2	1.00	14.6	81.31	7.6	33.57	8.1
C4	05 Feb 2020	1003	3	<2	<2	<2	1.00	14.6	80.89	7.6	33.57	8.1
C4	05 Feb 2020	1003	9	<2	<2	<2	1.00	14.5	68.55	7.6	33.58	8.1
C4	10 Feb 2020	951	1	4e	<2	<2	0.50	14.7	83.70	8.1	33.31	8.1
C4	10 Feb 2020	951	3	<20	<2	<2	0.10	14.8	82.71	8.1	33.33	8.1
C4	10 Feb 2020	951	9	40e	10e	<2	0.25	14.9	72.98	7.6	33.48	8.1
C4	18 Feb 2020	935	1	<2	2e	<2	1.00	15.7	81.82	8.4	33.50	8.1
C4	18 Feb 2020	935	3	<2	<2	<2	1.00	15.7	81.70	8.4	33.50	8.1
C4	18 Feb 2020	935	9	<2	<2	<2	1.00	14.9	84.66	7.1	33.54	8.0
C4	25 Feb 2020	1021	1	2e	<2	<2	1.00	15.9	73.01	7.6	33.51	8.1
C4	25 Feb 2020	1021	3	2e	<2	<2	1.00	15.8	75.30	7.8	33.54	8.1
C4	25 Feb 2020	1021	9	<2	<2	<2	1.00	14.3	84.74	6.6	33.56	7.9
C5	05 Feb 2020	951	1	<2	<2	<2	1.00	14.5	76.97	7.6	33.57	8.1
C5	05 Feb 2020	951	3	<2	<2	<2	1.00	14.5	77.36	7.6	33.57	8.1
C5	05 Feb 2020	951	9	2e	<2	<2	1.00	14.2	60.56	7.8	33.59	8.1
C5	10 Feb 2020	940	1	<2	2e	<2	1.00	14.9	87.57	7.8	33.33	8.1
C5	10 Feb 2020	940	3	4e	<2	<2	0.50	15.1	88.32	7.8	33.38	8.1
C5	10 Feb 2020	940	9	<2	<2	<2	1.00	14.9	78.20	7.7	33.46	8.1
C5	18 Feb 2020	925	1	2e	<2	<2	1.00	15.6	81.75	8.5	33.49	8.1
C5	18 Feb 2020	925	3	<2	<2	<2	1.00	15.6	81.58	8.5	33.50	8.1
C5	18 Feb 2020	925	9	<2	<2	<2	1.00	14.8	84.34	7.4	33.52	8.0
C5	25 Feb 2020	1007	1	2e	<2	<2	1.00	15.7	82.87	8.0	33.51	8.1
C5	25 Feb 2020	1007	3	<2	<2	<2	1.00	15.7	80.87	8.0	33.52	8.1
C5	25 Feb 2020	1007	9	<2	<2	<2	1.00	14.6	84.47	7.3	33.52	8.0
C6	05 Feb 2020	940	1	<2	<2	2e	1.00	14.6	86.73	7.7	33.55	8.1
C6	05 Feb 2020	940	3	<2	<2	<2	1.00	14.6	86.65	7.7	33.55	8.1
C6	05 Feb 2020	940	9	2e	<2	<2	1.00	14.6	86.74	7.7	33.55	8.1
C6	10 Feb 2020	928	1	<2	<2	<2	1.00	14.9	88.65	7.9	33.32	8.1
C6	10 Feb 2020	928	3	<2	<2	<2	1.00	15.1	88.65	7.9	33.38	8.1
C6	10 Feb 2020	928	9	<2	<2	<2	1.00	15.1	87.23	7.7	33.50	8.1
C6	18 Feb 2020	913	1	<2	<2	<2	1.00	15.4	82.32	8.0	33.49	8.1
C6	18 Feb 2020	913	3	<2	<2	<2	1.00	15.4	82.08	8.0	33.49	8.1
C6	18 Feb 2020	913	9	<2	<2	<2	1.00	15.1	83.76	7.4	33.51	8.0
C6	25 Feb 2020	954	1	<2	<2	<2	1.00	15.7	84.28	8.1	33.51	8.1
C6	25 Feb 2020	954	3	<2	<2	<2	1.00	15.4	84.51	8.0	33.53	8.1
C6	25 Feb 2020	954	9	2e	<2	<2	1.00	14.6	86.07	7.2	33.52	8.0
C7	05 Feb 2020	904	1	<2	<2	<2	1.00	14.7	87.91	7.6	33.54	8.1
C7	05 Feb 2020	904	12	16e	4e	<2	0.25	14.5	87.45	7.4	33.56	8.1
C7	05 Feb 2020	904	18	20e	4e	<2	0.20	14.1	86.14	6.6	33.55	8.0
C7	10 Feb 2020	854	1	<2	<2	<2	1.00	15.0	88.17	7.9	33.46	8.1
C7	10 Feb 2020	854	12	<2	<2	<2	1.00	15.0	88.36	7.6	33.53	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C7	10 Feb 2020	854	18	4e	<2	2e	0.50	14.8	87.45	7.5	33.54	8.0
C7	18 Feb 2020	838	1	<2	<2	<2	1.00	15.4	87.95	8.0	33.52	8.1
C7	18 Feb 2020	838	12	<2	<2	<2	1.00	15.2	88.12	8.0	33.53	8.1
C7	18 Feb 2020	838	18	<2	<2	<2	1.00	14.2	88.63	7.0	33.52	8.0
C7	25 Feb 2020	912	1	<2	<2	<2	1.00	15.4	86.60	8.1	33.50	8.0
C7	25 Feb 2020	912	12	2e	2e	<2	1.00	14.1	87.01	7.2	33.52	8.0
C7	25 Feb 2020	912	18	6e	<2	<2	0.33	13.9	88.94	7.0	33.52	7.9
C8	05 Feb 2020	917	1	<2	<2	<2	1.00	14.8	87.57	7.7	33.54	8.1
C8	05 Feb 2020	917	12	6e	<2	<2	0.33	14.7	87.72	7.5	33.54	8.1
C8	05 Feb 2020	917	18	18e	2e	2e	0.11	14.3	86.08	7.0	33.56	8.0
C8	10 Feb 2020	907	1	<2	<2	<2	1.00	14.9	87.99	7.9	33.40	8.1
C8	10 Feb 2020	907	12	2e	<2	<2	1.00	15.0	86.20	7.7	33.53	8.1
C8	10 Feb 2020	907	18	<2	<2	<2	1.00	14.9	83.89	7.6	33.53	8.1
C8	18 Feb 2020	850	1	<2	<2	<2	1.00	15.4	86.84	8.1	33.52	8.1
C8	18 Feb 2020	850	12	<2	<2	<2	1.00	15.2	87.57	8.0	33.53	8.1
C8	18 Feb 2020	850	18	<2	<2	<2	1.00	14.2	86.81	7.2	33.52	8.0
C8	25 Feb 2020	928	1	<200	<2	<2	0.01	15.5	87.35	8.2	33.51	8.1
C8	25 Feb 2020	928	12	<2	<2	<2	1.00	14.4	87.10	7.5	33.52	8.0
C8	25 Feb 2020	928	18	2e	<2	<2	1.00	13.9	88.00	7.0	33.54	8.0

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	05 Feb 2020	Depth (m)	18
A1	05 Feb 2020	Arrive Time	821
A1	05 Feb 2020	Depart Time	824
A1	05 Feb 2020	Air Temp (C)	9
A1	05 Feb 2020	Weather	Partly Cloudy
A1	05 Feb 2020	Visibility (mi)	15
A1	05 Feb 2020	Wind Speed (kts)	12
A1	05 Feb 2020	Wind Dir	E
A1	05 Feb 2020	Water Color	Blue
A1	05 Feb 2020	Wave Ht Low (ft)	3
A1	05 Feb 2020	Wave Period (sec)	11
A1	05 Feb 2020	Sea State	Confused swell
A1	05 Feb 2020	High Tide (ft)	5.28
A1	05 Feb 2020	High Tide Time	541
A1	05 Feb 2020	Low Tide (ft)	-0.5
A1	05 Feb 2020	Low Tide Time	1311
A1	05 Feb 2020	Comments	Kelp
A1	10 Feb 2020	Depth (m)	19
A1	10 Feb 2020	Arrive Time	805
A1	10 Feb 2020	Depart Time	813
A1	10 Feb 2020	Air Temp (C)	11
A1	10 Feb 2020	Weather	Rain
A1	10 Feb 2020	Visibility (mi)	2
A1	10 Feb 2020	Wind Speed (kts)	1
A1	10 Feb 2020	Wind Dir	S
A1	10 Feb 2020	Water Color	Bluish-Green
A1	10 Feb 2020	Wave Ht Low (ft)	4
A1	10 Feb 2020	Wave Period (sec)	16
A1	10 Feb 2020	Sea State	Calm
A1	10 Feb 2020	High Tide (ft)	6.34
A1	10 Feb 2020	High Tide Time	919
A1	10 Feb 2020	Low Tide (ft)	-1.37
A1	10 Feb 2020	Low Tide Time	1616
A1	10 Feb 2020	Comments	none
A1	18 Feb 2020	Depth (m)	18
A1	18 Feb 2020	Arrive Time	750
A1	18 Feb 2020	Depart Time	758
A1	18 Feb 2020	Air Temp (C)	14
A1	18 Feb 2020	Weather	Partly Cloudy
A1	18 Feb 2020	Visibility (mi)	5
A1	18 Feb 2020	Wind Speed (kts)	6
A1	18 Feb 2020	Wind Dir	E
A1	18 Feb 2020	Water Color	Brownish-Green
A1	18 Feb 2020	Wave Ht Low (ft)	3
A1	18 Feb 2020	Wave Period (sec)	9
A1	18 Feb 2020	Sea State	Calm
A1	18 Feb 2020	High Tide (ft)	5.12
A1	18 Feb 2020	High Tide Time	511
A1	18 Feb 2020	Low Tide (ft)	-0.48

Station	Date	Parameter	Value
A1	18 Feb 2020	Low Tide Time	1246
A1	18 Feb 2020	Comments	Birds on station; Cormorants; Gulls; Pelicans
A1	25 Feb 2020	Depth (m)	18
A1	25 Feb 2020	Arrive Time	818
A1	25 Feb 2020	Depart Time	829
A1	25 Feb 2020	Air Temp (C)	13
A1	25 Feb 2020	Weather	Fog
A1	25 Feb 2020	Visibility (mi)	< 1
A1	25 Feb 2020	Wind Speed (kts)	8
A1	25 Feb 2020	Wind Dir	N
A1	25 Feb 2020	Water Color	Bluish-Green
A1	25 Feb 2020	Wave Ht Low (ft)	2
A1	25 Feb 2020	Wave Period (sec)	11
A1	25 Feb 2020	Sea State	Light chop
A1	25 Feb 2020	High Tide (ft)	4.99
A1	25 Feb 2020	High Tide Time	938
A1	25 Feb 2020	Low Tide (ft)	-0.1
A1	25 Feb 2020	Low Tide Time	1617
A1	25 Feb 2020	Comments	Kelp
A6	05 Feb 2020	Depth (m)	15
A6	05 Feb 2020	Arrive Time	847
A6	05 Feb 2020	Depart Time	852
A6	05 Feb 2020	Air Temp (C)	10
A6	05 Feb 2020	Weather	Partly Cloudy
A6	05 Feb 2020	Visibility (mi)	15
A6	05 Feb 2020	Wind Speed (kts)	7
A6	05 Feb 2020	Wind Dir	E
A6	05 Feb 2020	Water Color	Bluish-Green
A6	05 Feb 2020	Wave Ht Low (ft)	3
A6	05 Feb 2020	Wave Period (sec)	11
A6	05 Feb 2020	Sea State	Confused swell
A6	05 Feb 2020	High Tide (ft)	5.28
A6	05 Feb 2020	High Tide Time	541
A6	05 Feb 2020	Low Tide (ft)	-0.5
A6	05 Feb 2020	Low Tide Time	1311
A6	05 Feb 2020	Comments	Kelp
A6	10 Feb 2020	Depth (m)	21
A6	10 Feb 2020	Arrive Time	833
A6	10 Feb 2020	Depart Time	845
A6	10 Feb 2020	Air Temp (C)	11
A6	10 Feb 2020	Weather	Rain
A6	10 Feb 2020	Visibility (mi)	2
A6	10 Feb 2020	Wind Speed (kts)	7
A6	10 Feb 2020	Wind Dir	S
A6	10 Feb 2020	Water Color	Bluish-Green
A6	10 Feb 2020	Wave Ht Low (ft)	4
A6	10 Feb 2020	Wave Period (sec)	16
A6	10 Feb 2020	Sea State	Calm
A6	10 Feb 2020	High Tide (ft)	6.34
A6	10 Feb 2020	High Tide Time	919
A6	10 Feb 2020	Low Tide (ft)	-1.37
A6	10 Feb 2020	Low Tide Time	1616

Station	Date	Parameter	Value
A6	10 Feb 2020	Comments	none
A6	18 Feb 2020	Depth (m)	18
A6	18 Feb 2020	Arrive Time	820
A6	18 Feb 2020	Depart Time	824
A6	18 Feb 2020	Air Temp (C)	14
A6	18 Feb 2020	Weather	Continuous layer of clouds
A6	18 Feb 2020	Visibility (mi)	5
A6	18 Feb 2020	Wind Speed (kts)	6
A6	18 Feb 2020	Wind Dir	E
A6	18 Feb 2020	Water Color	Brownish-Green
A6	18 Feb 2020	Wave Ht Low (ft)	3
A6	18 Feb 2020	Wave Period (sec)	9
A6	18 Feb 2020	Sea State	Calm
A6	18 Feb 2020	High Tide (ft)	5.12
A6	18 Feb 2020	High Tide Time	511
A6	18 Feb 2020	Low Tide (ft)	-0.48
A6	18 Feb 2020	Low Tide Time	1246
A6	18 Feb 2020	Comments	none
A6	25 Feb 2020	Depth (m)	18
A6	25 Feb 2020	Arrive Time	853
A6	25 Feb 2020	Depart Time	904
A6	25 Feb 2020	Air Temp (C)	12
A6	25 Feb 2020	Weather	Fog
A6	25 Feb 2020	Visibility (mi)	< 1
A6	25 Feb 2020	Wind Speed (kts)	7
A6	25 Feb 2020	Wind Dir	N
A6	25 Feb 2020	Water Color	Bluish-Green
A6	25 Feb 2020	Wave Ht Low (ft)	2
A6	25 Feb 2020	Wave Period (sec)	11
A6	25 Feb 2020	Sea State	Light chop
A6	25 Feb 2020	High Tide (ft)	4.99
A6	25 Feb 2020	High Tide Time	938
A6	25 Feb 2020	Low Tide (ft)	-0.1
A6	25 Feb 2020	Low Tide Time	1617
A6	25 Feb 2020	Comments	Kelp; Kelp debris
A7	05 Feb 2020	Depth (m)	18
A7	05 Feb 2020	Arrive Time	833
A7	05 Feb 2020	Depart Time	838
A7	05 Feb 2020	Air Temp (C)	10
A7	05 Feb 2020	Weather	Partly Cloudy
A7	05 Feb 2020	Visibility (mi)	15
A7	05 Feb 2020	Wind Speed (kts)	5
A7	05 Feb 2020	Wind Dir	E
A7	05 Feb 2020	Water Color	Bluish-Green
A7	05 Feb 2020	Wave Ht Low (ft)	3
A7	05 Feb 2020	Wave Period (sec)	11
A7	05 Feb 2020	Sea State	Confused swell
A7	05 Feb 2020	High Tide (ft)	5.28
A7	05 Feb 2020	High Tide Time	541
A7	05 Feb 2020	Low Tide (ft)	-0.5
A7	05 Feb 2020	Low Tide Time	1311
A7	05 Feb 2020	Comments	Kelp

Station	Date	Parameter	Value
A7	10 Feb 2020	Depth (m)	20
A7	10 Feb 2020	Arrive Time	820
A7	10 Feb 2020	Depart Time	825
A7	10 Feb 2020	Air Temp (C)	11
A7	10 Feb 2020	Weather	Rain
A7	10 Feb 2020	Visibility (mi)	2
A7	10 Feb 2020	Wind Speed (kts)	5
A7	10 Feb 2020	Wind Dir	S
A7	10 Feb 2020	Water Color	Bluish-Green
A7	10 Feb 2020	Wave Ht Low (ft)	4
A7	10 Feb 2020	Wave Period (sec)	16
A7	10 Feb 2020	Sea State	Calm
A7	10 Feb 2020	High Tide (ft)	6.34
A7	10 Feb 2020	High Tide Time	919
A7	10 Feb 2020	Low Tide (ft)	-1.37
A7	10 Feb 2020	Low Tide Time	1616
A7	10 Feb 2020	Comments	Kelp
A7	18 Feb 2020	Depth (m)	18
A7	18 Feb 2020	Arrive Time	807
A7	18 Feb 2020	Depart Time	813
A7	18 Feb 2020	Air Temp (C)	14
A7	18 Feb 2020	Weather	Continuous layer of clouds
A7	18 Feb 2020	Visibility (mi)	5
A7	18 Feb 2020	Wind Speed (kts)	6
A7	18 Feb 2020	Wind Dir	SE
A7	18 Feb 2020	Water Color	Brownish-Green
A7	18 Feb 2020	Wave Ht Low (ft)	3
A7	18 Feb 2020	Wave Period (sec)	9
A7	18 Feb 2020	Sea State	Calm
A7	18 Feb 2020	High Tide (ft)	5.12
A7	18 Feb 2020	High Tide Time	511
A7	18 Feb 2020	Low Tide (ft)	-0.48
A7	18 Feb 2020	Low Tide Time	1246
A7	18 Feb 2020	Comments	Kelp
A7	25 Feb 2020	Depth (m)	18
A7	25 Feb 2020	Arrive Time	835
A7	25 Feb 2020	Depart Time	847
A7	25 Feb 2020	Air Temp (C)	12
A7	25 Feb 2020	Weather	Fog
A7	25 Feb 2020	Visibility (mi)	< 1
A7	25 Feb 2020	Wind Speed (kts)	9
A7	25 Feb 2020	Wind Dir	N
A7	25 Feb 2020	Water Color	Bluish-Green
A7	25 Feb 2020	Wave Ht Low (ft)	2
A7	25 Feb 2020	Wave Period (sec)	11
A7	25 Feb 2020	Sea State	Light chop
A7	25 Feb 2020	High Tide (ft)	4.99
A7	25 Feb 2020	High Tide Time	938
A7	25 Feb 2020	Low Tide (ft)	-0.1
A7	25 Feb 2020	Low Tide Time	1617
A7	25 Feb 2020	Comments	Kelp

Station	Date	Parameter	Value
C4	05 Feb 2020	Depth (m)	9
C4	05 Feb 2020	Arrive Time	1003
C4	05 Feb 2020	Depart Time	1008
C4	05 Feb 2020	Air Temp (C)	11
C4	05 Feb 2020	Weather	Partly Cloudy
C4	05 Feb 2020	Visibility (mi)	15
C4	05 Feb 2020	Wind Speed (kts)	5
C4	05 Feb 2020	Wind Dir	E
C4	05 Feb 2020	Water Color	Brownish-Green
C4	05 Feb 2020	Wave Ht Low (ft)	3
C4	05 Feb 2020	Wave Period (sec)	11
C4	05 Feb 2020	Sea State	Calm
C4	05 Feb 2020	High Tide (ft)	5.28
C4	05 Feb 2020	High Tide Time	541
C4	05 Feb 2020	Low Tide (ft)	-0.5
C4	05 Feb 2020	Low Tide Time	1311
C4	05 Feb 2020	Comments	Kelp
C4	10 Feb 2020	Depth (m)	11
C4	10 Feb 2020	Arrive Time	951
C4	10 Feb 2020	Depart Time	959
C4	10 Feb 2020	Air Temp (C)	11
C4	10 Feb 2020	Weather	Rain
C4	10 Feb 2020	Visibility (mi)	2
C4	10 Feb 2020	Wind Speed (kts)	3
C4	10 Feb 2020	Wind Dir	S
C4	10 Feb 2020	Water Color	Bluish-Green
C4	10 Feb 2020	Wave Ht Low (ft)	4
C4	10 Feb 2020	Wave Period (sec)	16
C4	10 Feb 2020	Sea State	Calm
C4	10 Feb 2020	High Tide (ft)	6.34
C4	10 Feb 2020	High Tide Time	919
C4	10 Feb 2020	Low Tide (ft)	-1.37
C4	10 Feb 2020	Low Tide Time	1616
C4	10 Feb 2020	Comments	none
C4	18 Feb 2020	Depth (m)	9
C4	18 Feb 2020	Arrive Time	935
C4	18 Feb 2020	Depart Time	940
C4	18 Feb 2020	Air Temp (C)	14
C4	18 Feb 2020	Weather	Continuous layer of clouds
C4	18 Feb 2020	Visibility (mi)	5
C4	18 Feb 2020	Wind Speed (kts)	1
C4	18 Feb 2020	Wind Dir	SE
C4	18 Feb 2020	Water Color	Brownish-Green
C4	18 Feb 2020	Wave Ht Low (ft)	3
C4	18 Feb 2020	Wave Period (sec)	9
C4	18 Feb 2020	Sea State	Calm
C4	18 Feb 2020	High Tide (ft)	5.12
C4	18 Feb 2020	High Tide Time	511
C4	18 Feb 2020	Low Tide (ft)	-0.48
C4	18 Feb 2020	Low Tide Time	1246
C4	18 Feb 2020	Comments	none
C4	25 Feb 2020	Depth (m)	9

Station	Date	Parameter	Value
C4	25 Feb 2020	Arrive Time	1021
C4	25 Feb 2020	Depart Time	1031
C4	25 Feb 2020	Air Temp (C)	13
C4	25 Feb 2020	Weather	Fog
C4	25 Feb 2020	Visibility (mi)	5
C4	25 Feb 2020	Wind Speed (kts)	7
C4	25 Feb 2020	Wind Dir	N
C4	25 Feb 2020	Water Color	Green
C4	25 Feb 2020	Wave Ht Low (ft)	2
C4	25 Feb 2020	Wave Period (sec)	11
C4	25 Feb 2020	Sea State	Light chop
C4	25 Feb 2020	High Tide (ft)	4.99
C4	25 Feb 2020	High Tide Time	938
C4	25 Feb 2020	Low Tide (ft)	-0.1
C4	25 Feb 2020	Low Tide Time	1617
C4	25 Feb 2020	Comments	Kelp
C5	05 Feb 2020	Depth (m)	9
C5	05 Feb 2020	Arrive Time	951
C5	05 Feb 2020	Depart Time	955
C5	05 Feb 2020	Air Temp (C)	11
C5	05 Feb 2020	Weather	Partly Cloudy
C5	05 Feb 2020	Visibility (mi)	15
C5	05 Feb 2020	Wind Speed (kts)	5
C5	05 Feb 2020	Wind Dir	E
C5	05 Feb 2020	Water Color	Brownish-Green
C5	05 Feb 2020	Wave Ht Low (ft)	3
C5	05 Feb 2020	Wave Period (sec)	11
C5	05 Feb 2020	Sea State	Calm
C5	05 Feb 2020	High Tide (ft)	5.28
C5	05 Feb 2020	High Tide Time	541
C5	05 Feb 2020	Low Tide (ft)	-0.5
C5	05 Feb 2020	Low Tide Time	1311
C5	05 Feb 2020	Comments	none
C5	10 Feb 2020	Depth (m)	11
C5	10 Feb 2020	Arrive Time	940
C5	10 Feb 2020	Depart Time	944
C5	10 Feb 2020	Air Temp (C)	12
C5	10 Feb 2020	Weather	Rain
C5	10 Feb 2020	Visibility (mi)	2
C5	10 Feb 2020	Wind Speed (kts)	6
C5	10 Feb 2020	Wind Dir	SW
C5	10 Feb 2020	Water Color	Bluish-Green
C5	10 Feb 2020	Wave Ht Low (ft)	4
C5	10 Feb 2020	Wave Period (sec)	16
C5	10 Feb 2020	Sea State	Calm
C5	10 Feb 2020	High Tide (ft)	6.34
C5	10 Feb 2020	High Tide Time	919
C5	10 Feb 2020	Low Tide (ft)	-1.37
C5	10 Feb 2020	Low Tide Time	1616
C5	10 Feb 2020	Comments	Kelp
C5	18 Feb 2020	Depth (m)	9
C5	18 Feb 2020	Arrive Time	925

Station	Date	Parameter	Value
C5	18 Feb 2020	Depart Time	929
C5	18 Feb 2020	Air Temp (C)	14
C5	18 Feb 2020	Weather	Continuous layer of clouds
C5	18 Feb 2020	Visibility (mi)	5
C5	18 Feb 2020	Wind Speed (kts)	0
C5	18 Feb 2020	Wind Dir	
C5	18 Feb 2020	Water Color	Brownish-Green
C5	18 Feb 2020	Wave Ht Low (ft)	3
C5	18 Feb 2020	Wave Period (sec)	9
C5	18 Feb 2020	Sea State	Calm
C5	18 Feb 2020	High Tide (ft)	5.12
C5	18 Feb 2020	High Tide Time	511
C5	18 Feb 2020	Low Tide (ft)	-0.48
C5	18 Feb 2020	Low Tide Time	1246
C5	18 Feb 2020	Comments	none
C5	25 Feb 2020	Depth (m)	9
C5	25 Feb 2020	Arrive Time	1007
C5	25 Feb 2020	Depart Time	1014
C5	25 Feb 2020	Air Temp (C)	13
C5	25 Feb 2020	Weather	Haze
C5	25 Feb 2020	Visibility (mi)	10
C5	25 Feb 2020	Wind Speed (kts)	6
C5	25 Feb 2020	Wind Dir	N
C5	25 Feb 2020	Water Color	Greenish-Blue
C5	25 Feb 2020	Wave Ht Low (ft)	2
C5	25 Feb 2020	Wave Period (sec)	11
C5	25 Feb 2020	Sea State	Light chop
C5	25 Feb 2020	High Tide (ft)	4.99
C5	25 Feb 2020	High Tide Time	938
C5	25 Feb 2020	Low Tide (ft)	-0.1
C5	25 Feb 2020	Low Tide Time	1617
C5	25 Feb 2020	Comments	Kelp
C6	05 Feb 2020	Depth (m)	8
C6	05 Feb 2020	Arrive Time	940
C6	05 Feb 2020	Depart Time	943
C6	05 Feb 2020	Air Temp (C)	11
C6	05 Feb 2020	Weather	Partly Cloudy
C6	05 Feb 2020	Visibility (mi)	15
C6	05 Feb 2020	Wind Speed (kts)	5
C6	05 Feb 2020	Wind Dir	E
C6	05 Feb 2020	Water Color	Bluish-Green
C6	05 Feb 2020	Wave Ht Low (ft)	3
C6	05 Feb 2020	Wave Period (sec)	11
C6	05 Feb 2020	Sea State	Light chop
C6	05 Feb 2020	High Tide (ft)	5.28
C6	05 Feb 2020	High Tide Time	541
C6	05 Feb 2020	Low Tide (ft)	-0.5
C6	05 Feb 2020	Low Tide Time	1311
C6	05 Feb 2020	Comments	none
C6	10 Feb 2020	Depth (m)	10
C6	10 Feb 2020	Arrive Time	928
C6	10 Feb 2020	Depart Time	932

Station	Date	Parameter	Value
C6	10 Feb 2020	Air Temp (C)	11
C6	10 Feb 2020	Weather	Rain
C6	10 Feb 2020	Visibility (mi)	2
C6	10 Feb 2020	Wind Speed (kts)	7
C6	10 Feb 2020	Wind Dir	S
C6	10 Feb 2020	Water Color	Bluish-Green
C6	10 Feb 2020	Wave Ht Low (ft)	4
C6	10 Feb 2020	Wave Period (sec)	16
C6	10 Feb 2020	Sea State	Calm
C6	10 Feb 2020	High Tide (ft)	6.34
C6	10 Feb 2020	High Tide Time	919
C6	10 Feb 2020	Low Tide (ft)	-1.37
C6	10 Feb 2020	Low Tide Time	1616
C6	10 Feb 2020	Comments	Kelp
C6	18 Feb 2020	Depth (m)	10
C6	18 Feb 2020	Arrive Time	913
C6	18 Feb 2020	Depart Time	918
C6	18 Feb 2020	Air Temp (C)	14
C6	18 Feb 2020	Weather	Continuous layer of clouds
C6	18 Feb 2020	Visibility (mi)	5
C6	18 Feb 2020	Wind Speed (kts)	0
C6	18 Feb 2020	Wind Dir	
C6	18 Feb 2020	Water Color	Brownish-Green
C6	18 Feb 2020	Wave Ht Low (ft)	3
C6	18 Feb 2020	Wave Period (sec)	9
C6	18 Feb 2020	Sea State	Calm
C6	18 Feb 2020	High Tide (ft)	5.12
C6	18 Feb 2020	High Tide Time	511
C6	18 Feb 2020	Low Tide (ft)	-0.48
C6	18 Feb 2020	Low Tide Time	1246
C6	18 Feb 2020	Comments	Kelp
C6	25 Feb 2020	Depth (m)	9
C6	25 Feb 2020	Arrive Time	954
C6	25 Feb 2020	Depart Time	1002
C6	25 Feb 2020	Air Temp (C)	13
C6	25 Feb 2020	Weather	Haze
C6	25 Feb 2020	Visibility (mi)	10
C6	25 Feb 2020	Wind Speed (kts)	7
C6	25 Feb 2020	Wind Dir	N
C6	25 Feb 2020	Water Color	Greenish-Blue
C6	25 Feb 2020	Wave Ht Low (ft)	2
C6	25 Feb 2020	Wave Period (sec)	11
C6	25 Feb 2020	Sea State	Light chop
C6	25 Feb 2020	High Tide (ft)	4.99
C6	25 Feb 2020	High Tide Time	938
C6	25 Feb 2020	Low Tide (ft)	-0.1
C6	25 Feb 2020	Low Tide Time	1617
C6	25 Feb 2020	Comments	Kelp
C7	05 Feb 2020	Depth (m)	17
C7	05 Feb 2020	Arrive Time	904
C7	05 Feb 2020	Depart Time	908
C7	05 Feb 2020	Air Temp (C)	11

Station	Date	Parameter	Value
C7	05 Feb 2020	Weather	Partly Cloudy
C7	05 Feb 2020	Visibility (mi)	15
C7	05 Feb 2020	Wind Speed (kts)	6
C7	05 Feb 2020	Wind Dir	SE
C7	05 Feb 2020	Water Color	Bluish-Green
C7	05 Feb 2020	Wave Ht Low (ft)	3
C7	05 Feb 2020	Wave Period (sec)	11
C7	05 Feb 2020	Sea State	Confused swell
C7	05 Feb 2020	High Tide (ft)	5.28
C7	05 Feb 2020	High Tide Time	541
C7	05 Feb 2020	Low Tide (ft)	-0.5
C7	05 Feb 2020	Low Tide Time	1311
C7	05 Feb 2020	Comments	none
C7	10 Feb 2020	Depth (m)	20
C7	10 Feb 2020	Arrive Time	854
C7	10 Feb 2020	Depart Time	859
C7	10 Feb 2020	Air Temp (C)	11
C7	10 Feb 2020	Weather	Rain
C7	10 Feb 2020	Visibility (mi)	2
C7	10 Feb 2020	Wind Speed (kts)	4
C7	10 Feb 2020	Wind Dir	SE
C7	10 Feb 2020	Water Color	Bluish-Green
C7	10 Feb 2020	Wave Ht Low (ft)	4
C7	10 Feb 2020	Wave Period (sec)	16
C7	10 Feb 2020	Sea State	Calm
C7	10 Feb 2020	High Tide (ft)	6.34
C7	10 Feb 2020	High Tide Time	919
C7	10 Feb 2020	Low Tide (ft)	-1.37
C7	10 Feb 2020	Low Tide Time	1616
C7	10 Feb 2020	Comments	none
C7	18 Feb 2020	Depth (m)	18
C7	18 Feb 2020	Arrive Time	838
C7	18 Feb 2020	Depart Time	843
C7	18 Feb 2020	Air Temp (C)	14
C7	18 Feb 2020	Weather	Continuous layer of clouds
C7	18 Feb 2020	Visibility (mi)	5
C7	18 Feb 2020	Wind Speed (kts)	2
C7	18 Feb 2020	Wind Dir	SE
C7	18 Feb 2020	Water Color	Brownish-Green
C7	18 Feb 2020	Wave Ht Low (ft)	3
C7	18 Feb 2020	Wave Period (sec)	9
C7	18 Feb 2020	Sea State	Calm
C7	18 Feb 2020	High Tide (ft)	5.12
C7	18 Feb 2020	High Tide Time	511
C7	18 Feb 2020	Low Tide (ft)	-0.48
C7	18 Feb 2020	Low Tide Time	1246
C7	18 Feb 2020	Comments	none
C7	25 Feb 2020	Depth (m)	18
C7	25 Feb 2020	Arrive Time	912
C7	25 Feb 2020	Depart Time	920
C7	25 Feb 2020	Air Temp (C)	12
C7	25 Feb 2020	Weather	Haze

Station	Date	Parameter	Value
C7	25 Feb 2020	Visibility (mi)	7
C7	25 Feb 2020	Wind Speed (kts)	4
C7	25 Feb 2020	Wind Dir	N
C7	25 Feb 2020	Water Color	Bluish-Green
C7	25 Feb 2020	Wave Ht Low (ft)	2
C7	25 Feb 2020	Wave Period (sec)	11
C7	25 Feb 2020	Sea State	Light chop
C7	25 Feb 2020	High Tide (ft)	4.99
C7	25 Feb 2020	High Tide Time	938
C7	25 Feb 2020	Low Tide (ft)	-0.1
C7	25 Feb 2020	Low Tide Time	1617
C7	25 Feb 2020	Comments	Kelp
C8	05 Feb 2020	Depth (m)	19
C8	05 Feb 2020	Arrive Time	917
C8	05 Feb 2020	Depart Time	920
C8	05 Feb 2020	Air Temp (C)	11
C8	05 Feb 2020	Weather	Partly Cloudy
C8	05 Feb 2020	Visibility (mi)	15
C8	05 Feb 2020	Wind Speed (kts)	4
C8	05 Feb 2020	Wind Dir	SE
C8	05 Feb 2020	Water Color	Bluish-Green
C8	05 Feb 2020	Wave Ht Low (ft)	3
C8	05 Feb 2020	Wave Period (sec)	11
C8	05 Feb 2020	Sea State	Light chop
C8	05 Feb 2020	High Tide (ft)	5.28
C8	05 Feb 2020	High Tide Time	541
C8	05 Feb 2020	Low Tide (ft)	-0.5
C8	05 Feb 2020	Low Tide Time	1311
C8	05 Feb 2020	Comments	none
C8	10 Feb 2020	Depth (m)	20
C8	10 Feb 2020	Arrive Time	907
C8	10 Feb 2020	Depart Time	912
C8	10 Feb 2020	Air Temp (C)	11
C8	10 Feb 2020	Weather	Rain
C8	10 Feb 2020	Visibility (mi)	2
C8	10 Feb 2020	Wind Speed (kts)	8
C8	10 Feb 2020	Wind Dir	SE
C8	10 Feb 2020	Water Color	Bluish-Green
C8	10 Feb 2020	Wave Ht Low (ft)	4
C8	10 Feb 2020	Wave Period (sec)	16
C8	10 Feb 2020	Sea State	Calm
C8	10 Feb 2020	High Tide (ft)	6.34
C8	10 Feb 2020	High Tide Time	919
C8	10 Feb 2020	Low Tide (ft)	-1.37
C8	10 Feb 2020	Low Tide Time	1616
C8	10 Feb 2020	Comments	none
C8	18 Feb 2020	Depth (m)	19
C8	18 Feb 2020	Arrive Time	850
C8	18 Feb 2020	Depart Time	857
C8	18 Feb 2020	Air Temp (C)	14
C8	18 Feb 2020	Weather	Continuous layer of clouds
C8	18 Feb 2020	Visibility (mi)	5

Station	Date	Parameter	Value
C8	18 Feb 2020	Wind Speed (kts)	2
C8	18 Feb 2020	Wind Dir	SW
C8	18 Feb 2020	Water Color	Brownish-Green
C8	18 Feb 2020	Wave Ht Low (ft)	3
C8	18 Feb 2020	Wave Period (sec)	9
C8	18 Feb 2020	Sea State	Calm
C8	18 Feb 2020	High Tide (ft)	5.12
C8	18 Feb 2020	High Tide Time	511
C8	18 Feb 2020	Low Tide (ft)	-0.48
C8	18 Feb 2020	Low Tide Time	1246
C8	18 Feb 2020	Comments	none
C8	25 Feb 2020	Depth (m)	18
C8	25 Feb 2020	Arrive Time	928
C8	25 Feb 2020	Depart Time	938
C8	25 Feb 2020	Air Temp (C)	13
C8	25 Feb 2020	Weather	Haze
C8	25 Feb 2020	Visibility (mi)	10
C8	25 Feb 2020	Wind Speed (kts)	6
C8	25 Feb 2020	Wind Dir	NW
C8	25 Feb 2020	Water Color	Bluish-Green
C8	25 Feb 2020	Wave Ht Low (ft)	2
C8	25 Feb 2020	Wave Period (sec)	11
C8	25 Feb 2020	Sea State	Light chop
C8	25 Feb 2020	High Tide (ft)	4.99
C8	25 Feb 2020	High Tide Time	938
C8	25 Feb 2020	Low Tide (ft)	-0.1
C8	25 Feb 2020	Low Tide Time	1617
C8	25 Feb 2020	Comments	Kelp

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	05 Feb 2020	1	14.71	86.73	7.2	33.53	8.1	24.9	1.34
A1	05 Feb 2020	2	14.71	86.78	7.6	33.53	8.1	24.9	1.30
A1	05 Feb 2020	3	14.72	86.70	7.6	33.53	8.1	24.9	1.31
A1	05 Feb 2020	4	14.72	86.75	7.6	33.53	8.1	24.9	1.26
A1	05 Feb 2020	5	14.72	86.71	7.6	33.53	8.1	24.9	1.28
A1	05 Feb 2020	6	14.72	86.70	7.6	33.53	8.1	24.9	1.36
A1	05 Feb 2020	7	14.73	86.82	7.6	33.53	8.1	24.9	1.39
A1	05 Feb 2020	8	14.73	86.79	7.6	33.53	8.1	24.9	1.49
A1	05 Feb 2020	9	14.73	86.71	7.6	33.53	8.1	24.9	1.59
A1	05 Feb 2020	10	14.73	86.78	7.6	33.53	8.1	24.9	1.74
A1	05 Feb 2020	11	14.72	86.75	7.6	33.53	8.1	24.9	1.76
A1	05 Feb 2020	12	14.72	86.79	7.7	33.53	8.1	24.9	1.75
A1	05 Feb 2020	13	14.71	86.88	7.7	33.54	8.1	24.9	1.83
A1	05 Feb 2020	14	14.71	86.89	7.6	33.54	8.1	24.9	1.73
A1	05 Feb 2020	15	14.69	86.85	7.6	33.54	8.1	24.9	1.78
A1	05 Feb 2020	16	14.68	87.00	7.6	33.54	8.1	24.9	1.82
A1	05 Feb 2020	17	14.58	87.54	7.4	33.56	8.1	25.0	1.59
A1	05 Feb 2020	18	14.56	87.95	7.2	33.55	8.0	24.9	1.69
A1	05 Feb 2020	19	14.52	88.18	7.1	33.55	8.0	25.0	1.52
A1	10 Feb 2020	1	15.08	89.68	7.8	33.43	8.0	24.7	0.83
A1	10 Feb 2020	2	15.12	89.77	7.8	33.44	8.0	24.7	0.81
A1	10 Feb 2020	3	15.14	89.92	7.8	33.45	8.0	24.7	0.81
A1	10 Feb 2020	4	15.16	89.86	7.8	33.46	8.0	24.8	0.85
A1	10 Feb 2020	5	15.17	89.93	7.8	33.47	8.0	24.8	0.85
A1	10 Feb 2020	6	15.19	89.82	7.8	33.49	8.0	24.8	0.87
A1	10 Feb 2020	7	15.16	89.73	7.7	33.50	8.0	24.8	0.85
A1	10 Feb 2020	8	15.13	89.60	7.7	33.50	8.0	24.8	0.91
A1	10 Feb 2020	9	15.05	89.44	7.7	33.52	8.0	24.8	0.81
A1	10 Feb 2020	10	15.00	89.11	7.6	33.52	8.0	24.8	0.86
A1	10 Feb 2020	11	14.86	88.88	7.6	33.54	8.0	24.9	0.91
A1	10 Feb 2020	12	14.80	88.26	7.6	33.53	8.0	24.9	0.86
A1	10 Feb 2020	13	14.53	87.88	7.5	33.56	8.0	25.0	0.92
A1	10 Feb 2020	14	14.19	87.35	7.3	33.59	8.0	25.1	0.95
A1	10 Feb 2020	15	14.03	87.33	7.2	33.55	8.0	25.1	1.03
A1	10 Feb 2020	16	13.70	87.53	7.0	33.60	8.0	25.2	0.98
A1	10 Feb 2020	17	13.41	87.36	6.7	33.58	7.9	25.2	0.94
A1	10 Feb 2020	18	13.30	87.32	6.6	33.56	7.9	25.2	0.88
A1	10 Feb 2020	19	13.28	87.51	6.5	33.56	7.9	25.2	0.73
A1	18 Feb 2020	1	15.39	89.03	8.0	33.51	8.0	24.7	0.87
A1	18 Feb 2020	2	15.38	88.82	8.0	33.51	8.0	24.7	0.92
A1	18 Feb 2020	3	15.37	88.93	8.1	33.51	8.0	24.7	1.00
A1	18 Feb 2020	4	15.36	88.76	8.1	33.51	8.0	24.7	1.04
A1	18 Feb 2020	5	15.35	88.46	8.2	33.51	8.0	24.7	1.08
A1	18 Feb 2020	6	15.34	88.39	8.3	33.51	8.0	24.7	1.13
A1	18 Feb 2020	7	15.33	88.23	8.4	33.51	8.0	24.8	1.22
A1	18 Feb 2020	8	15.32	87.90	8.4	33.51	8.0	24.8	1.29
A1	18 Feb 2020	9	15.31	87.46	8.5	33.51	8.0	24.8	1.42
A1	18 Feb 2020	10	15.27	87.33	8.4	33.51	8.1	24.8	1.50
A1	18 Feb 2020	11	15.20	87.18	8.4	33.51	8.0	24.8	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	18 Feb 2020	12	15.18	86.92	8.3	33.51	8.0	24.8	1.75
A1	18 Feb 2020	13	15.13	86.81	8.2	33.51	8.0	24.8	1.87
A1	18 Feb 2020	14	15.00	86.80	7.9	33.53	8.0	24.8	1.91
A1	18 Feb 2020	15	14.76	87.26	7.7	33.53	8.0	24.9	1.84
A1	18 Feb 2020	16	14.65	88.24	7.5	33.54	8.0	24.9	1.56
A1	18 Feb 2020	17	14.41	88.45	7.3	33.55	8.0	25.0	1.41
A1	18 Feb 2020	18	14.22	88.95	7.1	33.54	7.9	25.0	1.22
A1	25 Feb 2020	1	15.34	87.18	8.3	33.53	8.1	24.8	0.61
A1	25 Feb 2020	2	15.16	86.96	8.2	33.55	8.1	24.8	0.65
A1	25 Feb 2020	3	14.46	86.47	7.8	33.56	8.0	25.0	0.73
A1	25 Feb 2020	4	14.38	86.54	7.5	33.54	8.0	25.0	0.89
A1	25 Feb 2020	5	14.16	86.85	7.4	33.54	8.0	25.0	1.02
A1	25 Feb 2020	6	13.95	87.37	7.1	33.55	8.0	25.1	1.03
A1	25 Feb 2020	7	13.71	88.03	6.9	33.54	7.9	25.1	0.87
A1	25 Feb 2020	8	13.63	88.92	6.7	33.54	7.9	25.1	0.76
A1	25 Feb 2020	9	13.22	88.63	6.6	33.57	7.9	25.2	0.70
A1	25 Feb 2020	10	13.03	88.07	6.4	33.55	7.9	25.3	0.77
A1	25 Feb 2020	11	12.98	87.93	6.4	33.54	7.9	25.3	0.64
A1	25 Feb 2020	12	12.86	88.05	6.3	33.55	7.9	25.3	0.68
A1	25 Feb 2020	13	12.73	88.82	6.3	33.54	7.9	25.3	0.62
A1	25 Feb 2020	14	12.69	89.60	6.3	33.54	7.9	25.3	0.57
A1	25 Feb 2020	15	12.63	89.55	6.2	33.54	7.9	25.3	0.50
A1	25 Feb 2020	16	12.60	89.15	6.1	33.55	7.9	25.3	0.49
A1	25 Feb 2020	17	12.57	88.74	6.0	33.55	7.9	25.4	0.49
A1	25 Feb 2020	18	12.51	88.44	6.0	33.56	7.8	25.4	0.47
A6	05 Feb 2020	1	14.67	87.32	7.6	33.54	8.1	24.9	0.62
A6	05 Feb 2020	2	14.68	87.44	7.6	33.54	8.1	24.9	0.63
A6	05 Feb 2020	3	14.68	87.55	7.5	33.54	8.1	24.9	0.63
A6	05 Feb 2020	4	14.65	87.42	7.5	33.54	8.1	24.9	0.69
A6	05 Feb 2020	5	14.64	86.37	7.5	33.54	8.1	24.9	0.74
A6	05 Feb 2020	6	14.64	86.28	7.4	33.54	8.1	24.9	0.77
A6	05 Feb 2020	7	14.64	86.35	7.4	33.54	8.1	24.9	0.83
A6	05 Feb 2020	8	14.64	86.12	7.4	33.54	8.1	24.9	1.00
A6	05 Feb 2020	9	14.64	85.94	7.4	33.54	8.1	24.9	1.01
A6	05 Feb 2020	10	14.64	86.27	7.4	33.54	8.1	24.9	1.07
A6	05 Feb 2020	11	14.62	86.54	7.4	33.55	8.1	24.9	1.16
A6	05 Feb 2020	12	14.60	86.18	7.3	33.55	8.1	24.9	1.17
A6	05 Feb 2020	13	14.58	85.73	7.2	33.55	8.1	24.9	1.19
A6	05 Feb 2020	14	14.55	85.42	7.2	33.55	8.1	25.0	1.22
A6	05 Feb 2020	15	14.54	85.06	7.1	33.55	8.0	25.0	1.24
A6	05 Feb 2020	16	14.51	85.01	7.1	33.55	8.0	25.0	1.29
A6	05 Feb 2020	17	14.51	85.21	7.1	33.55	8.0	25.0	1.30
A6	05 Feb 2020	18	14.33	85.55	7.0	33.59	8.0	25.0	1.42
A6	05 Feb 2020	19	14.28	86.04	6.8	33.55	8.0	25.0	1.37
A6	10 Feb 2020	1	14.98	86.01	7.9	33.39	8.1	24.7	0.88
A6	10 Feb 2020	2	15.01	85.81	7.8	33.40	8.1	24.7	0.94
A6	10 Feb 2020	3	15.06	86.26	7.9	33.41	8.1	24.7	0.93
A6	10 Feb 2020	4	15.08	86.66	7.8	33.44	8.1	24.7	0.96
A6	10 Feb 2020	5	15.08	86.77	7.9	33.44	8.1	24.8	0.94
A6	10 Feb 2020	6	15.08	86.94	7.8	33.44	8.1	24.8	0.96
A6	10 Feb 2020	7	15.09	87.14	7.8	33.44	8.1	24.8	0.89
A6	10 Feb 2020	8	15.10	87.25	7.9	33.44	8.1	24.8	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	10 Feb 2020	9	15.14	87.29	7.8	33.46	8.1	24.8	0.95
A6	10 Feb 2020	10	15.15	86.97	7.8	33.49	8.1	24.8	1.03
A6	10 Feb 2020	11	15.14	87.14	7.8	33.50	8.1	24.8	1.01
A6	10 Feb 2020	12	15.12	87.37	7.8	33.52	8.1	24.8	0.99
A6	10 Feb 2020	13	15.09	87.42	7.8	33.52	8.1	24.8	1.06
A6	10 Feb 2020	14	15.08	87.45	7.8	33.52	8.1	24.8	1.02
A6	10 Feb 2020	15	15.06	87.43	7.7	33.53	8.1	24.8	1.04
A6	10 Feb 2020	16	15.03	87.47	7.7	33.53	8.1	24.8	0.99
A6	10 Feb 2020	17	15.03	87.50	7.7	33.52	8.1	24.8	1.08
A6	10 Feb 2020	18	14.99	87.59	7.7	33.53	8.1	24.8	1.02
A6	10 Feb 2020	19	14.90	87.52	7.6	33.55	8.1	24.9	1.05
A6	10 Feb 2020	20	14.54	87.42	7.4	33.59	8.0	25.0	0.97
A6	10 Feb 2020	21	14.50	87.24	7.2	33.54	8.0	25.0	0.79
A6	18 Feb 2020	1	15.44	87.34	8.5	33.51	8.1	24.7	1.21
A6	18 Feb 2020	2	15.44	87.26	8.4	33.51	8.1	24.7	1.15
A6	18 Feb 2020	3	15.44	87.21	8.3	33.51	8.1	24.7	1.13
A6	18 Feb 2020	4	15.44	86.25	8.3	33.51	8.1	24.7	1.21
A6	18 Feb 2020	5	15.44	86.32	8.3	33.51	8.1	24.7	1.65
A6	18 Feb 2020	6	15.44	86.75	8.4	33.51	8.1	24.7	1.99
A6	18 Feb 2020	7	15.44	87.18	8.4	33.51	8.1	24.7	2.26
A6	18 Feb 2020	8	15.44	87.10	8.3	33.51	8.1	24.7	1.79
A6	18 Feb 2020	9	15.44	87.20	8.3	33.51	8.1	24.7	2.24
A6	18 Feb 2020	10	15.44	87.20	8.4	33.51	8.1	24.7	2.01
A6	18 Feb 2020	11	15.43	87.17	8.3	33.51	8.1	24.7	1.65
A6	18 Feb 2020	12	15.42	87.43	8.3	33.51	8.1	24.7	1.49
A6	18 Feb 2020	13	15.39	87.47	8.3	33.51	8.1	24.7	1.43
A6	18 Feb 2020	14	15.37	87.38	8.2	33.51	8.1	24.7	1.49
A6	18 Feb 2020	15	15.32	87.50	8.2	33.52	8.1	24.8	1.52
A6	18 Feb 2020	16	15.24	87.24	8.0	33.52	8.1	24.8	1.62
A6	18 Feb 2020	17	15.00	87.35	7.7	33.54	8.0	24.8	1.43
A6	18 Feb 2020	18	14.75	88.63	7.4	33.55	8.0	24.9	1.25
A6	18 Feb 2020	19	14.79	88.61	7.3	33.51	8.0	24.9	0.82
A6	25 Feb 2020	1	15.50	85.63	8.2	33.51	8.0	24.7	1.06
A6	25 Feb 2020	2	15.43	85.44	8.0	33.52	8.0	24.7	1.06
A6	25 Feb 2020	3	15.14	85.13	7.8	33.53	8.0	24.8	1.14
A6	25 Feb 2020	4	14.79	85.55	7.6	33.54	8.0	24.9	1.38
A6	25 Feb 2020	5	14.53	86.68	7.5	33.54	8.0	24.9	1.44
A6	25 Feb 2020	6	14.28	87.49	7.3	33.53	8.0	25.0	1.29
A6	25 Feb 2020	7	14.11	87.74	7.2	33.53	8.0	25.0	1.17
A6	25 Feb 2020	8	13.96	87.85	7.0	33.53	7.9	25.1	1.16
A6	25 Feb 2020	9	13.86	87.92	7.0	33.53	7.9	25.1	1.15
A6	25 Feb 2020	10	13.72	88.05	6.9	33.54	7.9	25.1	1.14
A6	25 Feb 2020	11	13.52	88.12	6.7	33.55	7.9	25.2	1.17
A6	25 Feb 2020	12	13.31	88.26	6.6	33.54	7.9	25.2	1.27
A6	25 Feb 2020	13	13.22	88.18	6.5	33.53	7.9	25.2	1.22
A6	25 Feb 2020	14	13.20	84.80	6.5	33.53	7.9	25.2	1.13
A6	25 Feb 2020	15	13.14	87.51	6.4	33.53	7.9	25.2	1.36
A6	25 Feb 2020	16	13.08	88.24	6.3	33.53	7.9	25.2	1.17
A6	25 Feb 2020	17	13.06	88.26	6.3	33.53	7.9	25.2	1.21
A6	25 Feb 2020	18	13.06	87.38	6.2	33.53	7.9	25.2	1.03
A7	05 Feb 2020	1	14.73	83.65	7.6	33.54	8.1	24.9	0.86
A7	05 Feb 2020	2	14.73	85.96	7.6	33.54	8.1	24.9	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	05 Feb 2020	3	14.73	86.13	7.6	33.54	8.1	24.9	0.93
A7	05 Feb 2020	4	14.74	86.80	7.6	33.54	8.1	24.9	0.87
A7	05 Feb 2020	5	14.74	86.78	7.6	33.54	8.1	24.9	0.93
A7	05 Feb 2020	6	14.74	86.90	7.6	33.54	8.1	24.9	0.99
A7	05 Feb 2020	7	14.74	86.88	7.6	33.54	8.1	24.9	1.07
A7	05 Feb 2020	8	14.74	86.65	7.6	33.54	8.1	24.9	1.15
A7	05 Feb 2020	9	14.74	86.69	7.6	33.54	8.1	24.9	1.21
A7	05 Feb 2020	10	14.74	86.95	7.6	33.54	8.1	24.9	1.25
A7	05 Feb 2020	11	14.74	86.93	7.5	33.54	8.1	24.9	1.36
A7	05 Feb 2020	12	14.74	86.85	7.4	33.54	8.1	24.9	1.33
A7	05 Feb 2020	13	14.73	86.86	7.5	33.55	8.1	24.9	1.35
A7	05 Feb 2020	14	14.70	86.89	7.5	33.55	8.1	24.9	1.41
A7	05 Feb 2020	15	14.65	86.92	7.4	33.56	8.1	24.9	1.41
A7	05 Feb 2020	16	14.60	86.90	7.3	33.55	8.1	24.9	1.31
A7	05 Feb 2020	17	14.58	86.84	7.2	33.55	8.0	24.9	1.23
A7	05 Feb 2020	18	14.50	86.71	7.1	33.57	8.0	25.0	1.18
A7	05 Feb 2020	19	14.42	86.40	7.0	33.56	8.0	25.0	1.07
A7	10 Feb 2020	1	15.03	83.20	7.8	33.32	8.1	24.7	0.83
A7	10 Feb 2020	2	15.06	85.47	7.8	33.38	8.1	24.7	0.87
A7	10 Feb 2020	3	15.17	88.10	7.8	33.42	8.1	24.7	0.91
A7	10 Feb 2020	4	15.23	88.15	7.8	33.47	8.1	24.7	0.93
A7	10 Feb 2020	5	15.24	88.20	7.8	33.49	8.1	24.8	1.01
A7	10 Feb 2020	6	15.23	88.24	7.8	33.51	8.1	24.8	0.97
A7	10 Feb 2020	7	15.22	88.25	7.8	33.50	8.1	24.8	0.96
A7	10 Feb 2020	8	15.20	88.30	7.8	33.51	8.1	24.8	0.93
A7	10 Feb 2020	9	15.15	88.32	7.8	33.52	8.1	24.8	0.93
A7	10 Feb 2020	10	15.13	88.07	7.7	33.52	8.1	24.8	0.89
A7	10 Feb 2020	11	15.06	87.77	7.7	33.52	8.1	24.8	0.88
A7	10 Feb 2020	12	15.05	87.52	7.6	33.52	8.1	24.8	0.82
A7	10 Feb 2020	13	14.97	87.61	7.6	33.54	8.1	24.9	0.79
A7	10 Feb 2020	14	14.90	87.58	7.5	33.53	8.0	24.9	0.75
A7	10 Feb 2020	15	14.71	87.11	7.5	33.56	8.0	24.9	0.74
A7	10 Feb 2020	16	14.60	86.81	7.5	33.54	8.0	24.9	0.82
A7	10 Feb 2020	17	14.44	87.11	7.3	33.58	8.0	25.0	0.93
A7	10 Feb 2020	18	14.11	86.72	7.1	33.56	8.0	25.1	0.98
A7	10 Feb 2020	19	14.10	86.03	7.1	33.57	8.0	25.1	0.92
A7	10 Feb 2020	20	14.02	85.43	7.0	33.56	8.0	25.1	0.83
A7	18 Feb 2020	1	15.41	86.19	8.5	33.49	8.1	24.7	1.30
A7	18 Feb 2020	2	15.41	86.33	8.5	33.49	8.1	24.7	1.27
A7	18 Feb 2020	3	15.41	86.23	8.4	33.49	8.1	24.7	1.25
A7	18 Feb 2020	4	15.40	86.19	8.4	33.49	8.1	24.7	1.33
A7	18 Feb 2020	5	15.38	86.24	8.3	33.50	8.1	24.7	1.39
A7	18 Feb 2020	6	15.38	86.70	8.2	33.50	8.1	24.7	1.32
A7	18 Feb 2020	7	15.38	85.66	8.2	33.51	8.0	24.7	1.32
A7	18 Feb 2020	8	15.37	83.30	8.1	33.51	8.0	24.7	1.31
A7	18 Feb 2020	9	15.37	85.87	8.1	33.51	8.0	24.7	1.29
A7	18 Feb 2020	10	15.37	87.67	8.1	33.51	8.0	24.7	1.23
A7	18 Feb 2020	11	15.37	88.24	8.1	33.51	8.0	24.7	1.20
A7	18 Feb 2020	12	15.37	88.34	8.1	33.51	8.0	24.7	1.19
A7	18 Feb 2020	13	15.36	88.42	8.1	33.51	8.0	24.7	1.17
A7	18 Feb 2020	14	15.35	88.41	8.1	33.51	8.0	24.7	1.23
A7	18 Feb 2020	15	15.33	88.40	8.0	33.52	8.0	24.8	1.22
A7	18 Feb 2020	16	15.27	88.40	8.0	33.52	8.0	24.8	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	18 Feb 2020	17	15.15	88.36	7.8	33.53	8.0	24.8	1.29
A7	18 Feb 2020	18	14.86	88.10	7.6	33.54	8.0	24.9	1.27
A7	18 Feb 2020	19	14.23	87.06	7.0	33.55	8.0	25.0	1.11
A7	25 Feb 2020	1	15.49	86.17	8.2	33.51	8.0	24.7	0.80
A7	25 Feb 2020	2	15.37	86.15	8.1	33.53	8.0	24.8	0.81
A7	25 Feb 2020	3	14.99	86.09	7.7	33.53	8.0	24.8	0.94
A7	25 Feb 2020	4	14.45	87.28	7.3	33.57	7.9	25.0	1.09
A7	25 Feb 2020	5	13.97	88.31	6.9	33.57	7.9	25.1	0.91
A7	25 Feb 2020	6	13.31	88.64	6.6	33.57	7.9	25.2	0.83
A7	25 Feb 2020	7	13.23	88.32	6.5	33.52	7.8	25.2	0.95
A7	25 Feb 2020	8	13.11	88.19	6.4	33.56	7.8	25.3	0.94
A7	25 Feb 2020	9	12.73	88.19	6.2	33.55	7.8	25.3	0.86
A7	25 Feb 2020	10	12.79	88.43	6.1	33.53	7.8	25.3	0.82
A7	25 Feb 2020	11	12.58	88.41	6.0	33.55	7.8	25.4	0.71
A7	25 Feb 2020	12	12.58	88.43	6.0	33.55	7.8	25.3	0.65
A7	25 Feb 2020	13	12.56	88.33	5.9	33.55	7.8	25.4	0.64
A7	25 Feb 2020	14	12.49	87.95	5.8	33.56	7.8	25.4	0.64
A7	25 Feb 2020	15	12.48	87.96	5.8	33.55	7.8	25.4	0.58
A7	25 Feb 2020	16	12.48	86.54	5.8	33.55	7.8	25.4	0.58
A7	25 Feb 2020	17	12.48	86.95	5.8	33.55	7.8	25.4	0.56
A7	25 Feb 2020	18	12.48	87.64	5.8	33.55	7.8	25.4	0.57
A7	25 Feb 2020	19	12.47	87.51	5.8	33.55	7.8	25.4	0.61
A7	25 Feb 2020	20	12.48	87.75	5.8	33.55	7.8	25.4	0.59
C4	05 Feb 2020	1	14.59	81.31	7.6	33.57	8.1	25.0	0.43
C4	05 Feb 2020	2	14.59	81.14	7.6	33.57	8.1	25.0	0.43
C4	05 Feb 2020	3	14.57	80.89	7.6	33.57	8.1	25.0	0.44
C4	05 Feb 2020	4	14.56	80.07	7.6	33.58	8.1	25.0	0.45
C4	05 Feb 2020	5	14.53	77.81	7.6	33.58	8.1	25.0	0.52
C4	05 Feb 2020	6	14.51	76.36	7.7	33.59	8.1	25.0	0.57
C4	05 Feb 2020	7	14.47	73.80	7.6	33.59	8.1	25.0	0.62
C4	05 Feb 2020	8	14.47	70.74	7.6	33.59	8.1	25.0	0.58
C4	05 Feb 2020	9	14.48	68.55	7.6	33.58	8.1	25.0	0.59
C4	05 Feb 2020	10	14.48	68.85	7.6	33.58	8.1	25.0	0.60
C4	10 Feb 2020	1	14.74	83.70	8.1	33.31	8.1	24.7	0.98
C4	10 Feb 2020	2	14.74	83.83	8.1	33.31	8.1	24.7	1.02
C4	10 Feb 2020	3	14.78	82.71	8.1	33.33	8.1	24.7	1.04
C4	10 Feb 2020	4	14.85	77.22	8.0	33.38	8.1	24.8	1.05
C4	10 Feb 2020	5	14.86	73.70	7.9	33.40	8.1	24.8	0.97
C4	10 Feb 2020	6	14.86	70.30	7.9	33.42	8.1	24.8	0.91
C4	10 Feb 2020	7	14.87	69.96	7.8	33.44	8.1	24.8	0.84
C4	10 Feb 2020	8	14.89	71.95	7.7	33.46	8.1	24.8	0.77
C4	10 Feb 2020	9	14.89	72.98	7.6	33.48	8.1	24.8	0.72
C4	10 Feb 2020	10	14.89	74.14	7.6	33.49	8.1	24.8	0.66
C4	10 Feb 2020	11	14.89	74.42	7.5	33.49	8.1	24.8	0.61
C4	10 Feb 2020	12	14.89	74.07	7.6	33.48	8.1	24.8	0.56
C4	18 Feb 2020	1	15.70	81.82	8.4	33.50	8.1	24.7	0.63
C4	18 Feb 2020	2	15.69	81.75	8.4	33.50	8.1	24.7	0.63
C4	18 Feb 2020	3	15.66	81.70	8.4	33.50	8.1	24.7	0.69
C4	18 Feb 2020	4	15.65	81.72	8.4	33.50	8.1	24.7	0.74
C4	18 Feb 2020	5	15.65	81.59	8.4	33.50	8.1	24.7	0.78
C4	18 Feb 2020	6	15.65	81.67	8.4	33.50	8.1	24.7	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	18 Feb 2020	7	15.60	81.90	8.3	33.51	8.1	24.7	0.88
C4	18 Feb 2020	8	15.13	82.81	7.6	33.55	8.0	24.8	0.89
C4	18 Feb 2020	9	14.86	84.66	7.1	33.54	8.0	24.9	0.78
C4	18 Feb 2020	10	14.73	84.05	6.8	33.52	8.0	24.9	0.64
C4	18 Feb 2020	11	14.77	82.49	6.7	33.51	8.0	24.9	0.61
C4	25 Feb 2020	1	15.90	73.01	7.6	33.51	8.1	24.6	0.35
C4	25 Feb 2020	2	15.89	74.07	7.7	33.52	8.1	24.6	0.33
C4	25 Feb 2020	3	15.76	75.30	7.8	33.54	8.1	24.7	0.32
C4	25 Feb 2020	4	15.68	77.41	7.9	33.54	8.1	24.7	0.34
C4	25 Feb 2020	5	15.60	80.45	8.0	33.54	8.1	24.7	0.40
C4	25 Feb 2020	6	15.44	81.73	8.0	33.55	8.1	24.8	0.47
C4	25 Feb 2020	7	15.04	83.46	7.7	33.61	8.0	24.9	0.57
C4	25 Feb 2020	8	14.46	85.15	7.0	33.59	8.0	25.0	0.66
C4	25 Feb 2020	9	14.28	84.74	6.6	33.56	7.9	25.0	0.63
C4	25 Feb 2020	10	14.34	83.80	6.5	33.52	7.9	25.0	0.50
C4	25 Feb 2020	11	14.35	83.71	6.6	33.55	7.9	25.0	0.45
C5	05 Feb 2020	1	14.51	76.97	7.6	33.57	8.1	25.0	0.32
C5	05 Feb 2020	2	14.52	77.32	7.6	33.57	8.1	25.0	0.34
C5	05 Feb 2020	3	14.51	77.36	7.6	33.57	8.1	25.0	0.35
C5	05 Feb 2020	4	14.46	76.72	7.6	33.58	8.1	25.0	0.37
C5	05 Feb 2020	5	14.45	74.77	7.7	33.58	8.1	25.0	0.39
C5	05 Feb 2020	6	14.41	74.00	7.7	33.59	8.1	25.0	0.43
C5	05 Feb 2020	7	14.28	71.91	7.8	33.61	8.1	25.1	0.47
C5	05 Feb 2020	8	14.24	68.82	7.8	33.60	8.1	25.1	0.50
C5	05 Feb 2020	9	14.23	60.56	7.8	33.59	8.1	25.1	0.52
C5	05 Feb 2020	10	14.23	50.25	7.8	33.60	8.1	25.1	0.57
C5	05 Feb 2020	11	14.24	48.33	7.8	33.59	8.1	25.1	0.59
C5	10 Feb 2020	1	14.95	87.57	7.8	33.33	8.1	24.7	0.63
C5	10 Feb 2020	2	14.99	88.11	7.8	33.34	8.1	24.7	0.63
C5	10 Feb 2020	3	15.09	88.32	7.8	33.38	8.1	24.7	0.65
C5	10 Feb 2020	4	15.12	88.44	7.8	33.40	8.1	24.7	0.68
C5	10 Feb 2020	5	15.11	88.58	7.8	33.42	8.1	24.7	0.70
C5	10 Feb 2020	6	15.07	88.56	7.8	33.43	8.1	24.7	0.78
C5	10 Feb 2020	7	14.98	88.35	7.8	33.44	8.1	24.8	0.78
C5	10 Feb 2020	8	14.96	83.93	7.8	33.45	8.1	24.8	0.79
C5	10 Feb 2020	9	14.95	78.20	7.7	33.46	8.1	24.8	0.76
C5	10 Feb 2020	10	14.90	69.66	7.6	33.47	8.1	24.8	0.70
C5	10 Feb 2020	11	14.89	59.62	7.5	33.47	8.1	24.8	0.67
C5	18 Feb 2020	1	15.64	81.75	8.5	33.49	8.1	24.7	0.66
C5	18 Feb 2020	2	15.66	81.57	8.5	33.49	8.1	24.7	0.65
C5	18 Feb 2020	3	15.60	81.58	8.5	33.50	8.1	24.7	0.65
C5	18 Feb 2020	4	15.48	81.81	8.4	33.50	8.1	24.7	0.70
C5	18 Feb 2020	5	15.29	82.39	8.0	33.52	8.1	24.8	0.76
C5	18 Feb 2020	6	15.09	83.84	7.8	33.53	8.0	24.8	0.79
C5	18 Feb 2020	7	14.97	84.35	7.6	33.52	8.0	24.8	0.67
C5	18 Feb 2020	8	14.88	84.59	7.5	33.52	8.0	24.9	0.56
C5	18 Feb 2020	9	14.78	84.34	7.4	33.52	8.0	24.9	0.51
C5	18 Feb 2020	10	14.77	78.71	7.4	33.52	8.0	24.9	0.50
C5	25 Feb 2020	1	15.67	82.87	8.0	33.51	8.1	24.7	0.37
C5	25 Feb 2020	2	15.67	78.68	8.0	33.51	8.1	24.7	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	25 Feb 2020	3	15.66	80.87	8.0	33.52	8.1	24.7	0.38
C5	25 Feb 2020	4	15.54	83.06	8.1	33.52	8.1	24.7	0.39
C5	25 Feb 2020	5	15.38	83.73	7.8	33.57	8.1	24.8	0.46
C5	25 Feb 2020	6	15.17	85.33	8.0	33.55	8.0	24.8	0.81
C5	25 Feb 2020	7	14.98	86.27	7.8	33.55	8.0	24.9	1.07
C5	25 Feb 2020	8	14.59	85.59	7.4	33.54	8.0	24.9	0.80
C5	25 Feb 2020	9	14.55	84.47	7.3	33.52	8.0	24.9	0.63
C5	25 Feb 2020	10	14.38	83.77	7.2	33.54	8.0	25.0	0.53
C5	25 Feb 2020	11	14.23	82.82	7.1	33.53	8.0	25.0	0.53
C6	05 Feb 2020	1	14.60	86.73	7.7	33.55	8.1	24.9	0.48
C6	05 Feb 2020	2	14.60	86.63	7.7	33.55	8.1	24.9	0.51
C6	05 Feb 2020	3	14.60	86.65	7.7	33.55	8.1	24.9	0.50
C6	05 Feb 2020	4	14.60	86.58	7.7	33.55	8.1	24.9	0.49
C6	05 Feb 2020	5	14.60	86.66	7.7	33.55	8.1	24.9	0.51
C6	05 Feb 2020	6	14.60	86.80	7.7	33.55	8.1	24.9	0.50
C6	05 Feb 2020	7	14.59	86.75	7.7	33.55	8.1	24.9	0.57
C6	05 Feb 2020	8	14.59	86.74	7.7	33.55	8.1	24.9	0.59
C6	05 Feb 2020	9	14.59	86.74	7.7	33.55	8.1	24.9	0.65
C6	05 Feb 2020	10	14.60	86.80	7.7	33.55	8.1	24.9	0.70
C6	05 Feb 2020	11	14.60	86.75	7.7	33.55	8.1	24.9	0.73
C6	10 Feb 2020	1	14.95	88.65	7.9	33.32	8.1	24.7	0.73
C6	10 Feb 2020	2	14.99	88.73	7.9	33.33	8.1	24.7	0.77
C6	10 Feb 2020	3	15.09	88.65	7.9	33.38	8.1	24.7	0.72
C6	10 Feb 2020	4	15.14	88.45	7.8	33.42	8.1	24.7	0.80
C6	10 Feb 2020	5	15.19	88.19	7.8	33.46	8.1	24.7	0.77
C6	10 Feb 2020	6	15.20	88.26	7.8	33.48	8.1	24.8	0.80
C6	10 Feb 2020	7	15.18	88.00	7.8	33.49	8.1	24.8	0.72
C6	10 Feb 2020	8	15.17	87.42	7.7	33.49	8.1	24.8	0.63
C6	10 Feb 2020	9	15.14	87.23	7.7	33.50	8.1	24.8	0.56
C6	10 Feb 2020	10	15.08	85.97	7.4	33.52	8.1	24.8	0.52
C6	18 Feb 2020	1	15.40	82.32	8.0	33.49	8.1	24.7	0.68
C6	18 Feb 2020	2	15.40	82.11	8.0	33.49	8.1	24.7	0.70
C6	18 Feb 2020	3	15.40	82.08	8.0	33.49	8.1	24.7	0.71
C6	18 Feb 2020	4	15.39	82.11	8.0	33.49	8.1	24.7	0.77
C6	18 Feb 2020	5	15.39	82.37	8.0	33.49	8.1	24.7	0.79
C6	18 Feb 2020	6	15.39	82.61	7.9	33.49	8.1	24.7	0.77
C6	18 Feb 2020	7	15.37	82.60	7.9	33.50	8.1	24.7	0.78
C6	18 Feb 2020	8	15.27	82.65	7.7	33.52	8.1	24.8	0.77
C6	18 Feb 2020	9	15.10	83.76	7.4	33.51	8.0	24.8	0.74
C6	25 Feb 2020	1	15.69	84.28	8.1	33.51	8.1	24.7	0.49
C6	25 Feb 2020	2	15.65	84.31	8.1	33.51	8.1	24.7	0.51
C6	25 Feb 2020	3	15.45	84.51	8.0	33.53	8.1	24.7	0.53
C6	25 Feb 2020	4	15.18	86.29	7.9	33.53	8.0	24.8	0.64
C6	25 Feb 2020	5	15.12	86.59	7.8	33.52	8.0	24.8	0.80
C6	25 Feb 2020	6	15.04	86.75	7.7	33.52	8.0	24.8	0.84
C6	25 Feb 2020	7	14.97	86.69	7.6	33.52	8.0	24.8	0.87
C6	25 Feb 2020	8	14.62	86.13	7.3	33.55	8.0	24.9	0.85
C6	25 Feb 2020	9	14.55	86.07	7.2	33.52	8.0	24.9	0.72
C7	05 Feb 2020	1	14.67	87.91	7.6	33.54	8.1	24.9	0.74
C7	05 Feb 2020	2	14.67	87.90	7.6	33.54	8.1	24.9	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	05 Feb 2020	3	14.68	87.87	7.7	33.54	8.1	24.9	0.78
C7	05 Feb 2020	4	14.70	87.82	7.6	33.53	8.1	24.9	0.76
C7	05 Feb 2020	5	14.69	87.76	7.6	33.54	8.1	24.9	0.80
C7	05 Feb 2020	6	14.69	87.83	7.6	33.54	8.1	24.9	0.97
C7	05 Feb 2020	7	14.69	87.80	7.6	33.54	8.1	24.9	1.01
C7	05 Feb 2020	8	14.69	87.82	7.7	33.54	8.1	24.9	1.15
C7	05 Feb 2020	9	14.68	87.76	7.5	33.55	8.1	24.9	1.23
C7	05 Feb 2020	10	14.60	87.60	7.4	33.55	8.1	24.9	1.19
C7	05 Feb 2020	11	14.61	87.48	7.4	33.53	8.1	24.9	1.22
C7	05 Feb 2020	12	14.54	87.45	7.4	33.56	8.1	25.0	1.19
C7	05 Feb 2020	13	14.47	86.92	7.2	33.55	8.1	25.0	1.27
C7	05 Feb 2020	14	14.30	86.65	7.0	33.58	8.0	25.0	1.23
C7	05 Feb 2020	15	14.18	86.41	6.8	33.57	8.0	25.0	1.29
C7	05 Feb 2020	16	14.12	86.11	6.7	33.56	8.0	25.1	1.20
C7	05 Feb 2020	17	14.12	86.18	6.7	33.56	8.0	25.0	1.12
C7	05 Feb 2020	18	14.11	86.14	6.6	33.55	8.0	25.0	1.01
C7	10 Feb 2020	1	15.03	88.17	7.9	33.46	8.1	24.8	0.69
C7	10 Feb 2020	2	15.04	88.25	7.9	33.47	8.1	24.8	0.69
C7	10 Feb 2020	3	15.04	88.44	7.9	33.48	8.1	24.8	0.73
C7	10 Feb 2020	4	15.05	88.52	7.9	33.48	8.1	24.8	0.74
C7	10 Feb 2020	5	15.07	88.57	7.9	33.49	8.1	24.8	0.76
C7	10 Feb 2020	6	15.10	88.50	7.8	33.51	8.1	24.8	0.82
C7	10 Feb 2020	7	15.10	88.34	7.8	33.52	8.1	24.8	0.94
C7	10 Feb 2020	8	15.07	88.38	7.8	33.53	8.1	24.8	0.94
C7	10 Feb 2020	9	15.05	88.28	7.8	33.53	8.1	24.8	1.01
C7	10 Feb 2020	10	15.04	88.33	7.7	33.53	8.1	24.8	0.90
C7	10 Feb 2020	11	15.03	88.40	7.6	33.53	8.1	24.8	0.89
C7	10 Feb 2020	12	15.02	88.36	7.6	33.53	8.1	24.8	0.79
C7	10 Feb 2020	13	15.01	88.29	7.6	33.53	8.1	24.8	0.72
C7	10 Feb 2020	14	14.95	88.31	7.6	33.54	8.1	24.9	0.63
C7	10 Feb 2020	15	14.93	88.22	7.6	33.53	8.0	24.9	0.59
C7	10 Feb 2020	16	14.86	88.06	7.5	33.55	8.0	24.9	0.63
C7	10 Feb 2020	17	14.89	87.77	7.5	33.53	8.0	24.9	0.62
C7	10 Feb 2020	18	14.83	87.45	7.5	33.54	8.0	24.9	0.67
C7	10 Feb 2020	19	14.81	87.58	7.4	33.54	8.0	24.9	0.64
C7	18 Feb 2020	1	15.42	87.95	8.0	33.52	8.1	24.7	0.94
C7	18 Feb 2020	2	15.40	87.97	8.0	33.52	8.1	24.7	0.94
C7	18 Feb 2020	3	15.39	87.98	8.1	33.52	8.1	24.7	0.97
C7	18 Feb 2020	4	15.38	87.96	8.0	33.52	8.1	24.7	1.01
C7	18 Feb 2020	5	15.37	88.08	8.0	33.52	8.1	24.7	1.02
C7	18 Feb 2020	6	15.36	88.14	8.1	33.52	8.1	24.8	1.08
C7	18 Feb 2020	7	15.35	88.15	8.1	33.52	8.1	24.8	1.07
C7	18 Feb 2020	8	15.35	88.31	8.1	33.52	8.1	24.8	1.04
C7	18 Feb 2020	9	15.35	88.45	8.0	33.52	8.1	24.8	1.03
C7	18 Feb 2020	10	15.34	88.55	8.1	33.52	8.1	24.8	1.07
C7	18 Feb 2020	11	15.29	88.46	8.0	33.52	8.1	24.8	1.05
C7	18 Feb 2020	12	15.22	88.12	8.0	33.53	8.1	24.8	1.12
C7	18 Feb 2020	13	15.04	87.87	7.9	33.53	8.0	24.8	1.23
C7	18 Feb 2020	14	14.91	87.64	7.8	33.53	8.0	24.9	1.31
C7	18 Feb 2020	15	14.69	87.76	7.6	33.55	8.0	24.9	1.29
C7	18 Feb 2020	16	14.42	88.28	7.3	33.55	8.0	25.0	1.19
C7	18 Feb 2020	17	14.20	88.69	7.1	33.56	8.0	25.0	0.99
C7	18 Feb 2020	18	14.19	88.63	7.0	33.52	8.0	25.0	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	25 Feb 2020	1	15.42	86.60	8.1	33.50	8.0	24.7	0.72
C7	25 Feb 2020	2	15.38	86.60	8.1	33.50	8.0	24.7	0.74
C7	25 Feb 2020	3	15.33	86.45	8.1	33.51	8.0	24.8	0.77
C7	25 Feb 2020	4	15.23	86.28	8.1	33.52	8.0	24.8	0.89
C7	25 Feb 2020	5	15.16	86.17	8.1	33.52	8.0	24.8	1.07
C7	25 Feb 2020	6	14.92	85.80	8.0	33.53	8.0	24.9	1.20
C7	25 Feb 2020	7	14.82	85.59	7.9	33.53	8.0	24.9	1.46
C7	25 Feb 2020	8	14.78	85.93	7.8	33.52	8.0	24.9	1.62
C7	25 Feb 2020	9	14.47	86.06	7.6	33.53	8.0	25.0	1.66
C7	25 Feb 2020	10	14.44	86.18	7.5	33.52	8.0	25.0	1.68
C7	25 Feb 2020	11	14.24	86.46	7.4	33.54	8.0	25.0	1.74
C7	25 Feb 2020	12	14.12	87.01	7.2	33.52	8.0	25.0	1.60
C7	25 Feb 2020	13	14.11	88.01	7.2	33.52	8.0	25.0	1.40
C7	25 Feb 2020	14	14.09	88.22	7.2	33.52	8.0	25.0	1.25
C7	25 Feb 2020	15	14.05	88.24	7.1	33.52	8.0	25.0	1.25
C7	25 Feb 2020	16	13.95	88.13	7.0	33.52	7.9	25.1	1.23
C7	25 Feb 2020	17	13.96	88.52	7.0	33.51	7.9	25.0	1.09
C7	25 Feb 2020	18	13.92	88.94	7.0	33.52	7.9	25.1	1.01
C7	25 Feb 2020	19	13.87	89.09	6.9	33.52	7.9	25.1	0.96
C8	05 Feb 2020	1	14.78	87.57	7.7	33.54	8.1	24.9	0.89
C8	05 Feb 2020	2	14.78	87.59	7.8	33.54	8.1	24.9	0.91
C8	05 Feb 2020	3	14.78	87.65	7.8	33.54	8.1	24.9	0.96
C8	05 Feb 2020	4	14.77	87.62	7.8	33.54	8.1	24.9	0.96
C8	05 Feb 2020	5	14.78	87.63	7.8	33.54	8.1	24.9	0.91
C8	05 Feb 2020	6	14.78	87.71	7.8	33.54	8.1	24.9	0.98
C8	05 Feb 2020	7	14.77	87.71	7.8	33.54	8.1	24.9	1.03
C8	05 Feb 2020	8	14.77	87.65	7.7	33.54	8.1	24.9	1.07
C8	05 Feb 2020	9	14.77	87.64	7.8	33.54	8.1	24.9	1.17
C8	05 Feb 2020	10	14.77	87.61	7.7	33.54	8.1	24.9	1.28
C8	05 Feb 2020	11	14.71	87.64	7.6	33.55	8.1	24.9	1.27
C8	05 Feb 2020	12	14.68	87.72	7.5	33.54	8.1	24.9	1.38
C8	05 Feb 2020	13	14.59	87.52	7.4	33.56	8.1	24.9	1.31
C8	05 Feb 2020	14	14.54	86.96	7.3	33.55	8.1	25.0	1.29
C8	05 Feb 2020	15	14.51	86.61	7.3	33.55	8.1	25.0	1.24
C8	05 Feb 2020	16	14.45	86.54	7.2	33.56	8.1	25.0	1.22
C8	05 Feb 2020	17	14.36	86.30	7.0	33.57	8.0	25.0	1.18
C8	05 Feb 2020	18	14.29	86.08	7.0	33.56	8.0	25.0	1.15
C8	05 Feb 2020	19	14.28	85.83	6.9	33.56	8.0	25.0	1.08
C8	10 Feb 2020	1	14.91	87.99	7.9	33.40	8.1	24.8	0.92
C8	10 Feb 2020	2	14.93	88.17	7.9	33.41	8.1	24.8	0.96
C8	10 Feb 2020	3	14.98	88.33	7.9	33.44	8.1	24.8	0.92
C8	10 Feb 2020	4	15.01	88.36	7.9	33.45	8.1	24.8	1.03
C8	10 Feb 2020	5	15.02	88.29	7.9	33.46	8.1	24.8	1.01
C8	10 Feb 2020	6	15.03	88.21	7.9	33.47	8.1	24.8	1.15
C8	10 Feb 2020	7	15.06	88.23	7.9	33.47	8.1	24.8	1.12
C8	10 Feb 2020	8	15.09	87.96	7.8	33.49	8.1	24.8	1.10
C8	10 Feb 2020	9	15.10	87.56	7.8	33.50	8.1	24.8	1.17
C8	10 Feb 2020	10	15.08	87.50	7.7	33.53	8.1	24.8	1.08
C8	10 Feb 2020	11	15.05	86.95	7.7	33.53	8.1	24.8	1.11
C8	10 Feb 2020	12	15.03	86.20	7.7	33.53	8.1	24.8	0.98
C8	10 Feb 2020	13	15.03	86.14	7.7	33.53	8.1	24.8	0.95
C8	10 Feb 2020	14	15.00	85.93	7.7	33.54	8.1	24.8	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	10 Feb 2020	15	14.96	85.84	7.7	33.54	8.1	24.9	0.97
C8	10 Feb 2020	16	14.95	85.18	7.6	33.53	8.1	24.9	1.00
C8	10 Feb 2020	17	14.94	84.55	7.7	33.53	8.1	24.9	0.96
C8	10 Feb 2020	18	14.93	83.89	7.6	33.53	8.1	24.9	1.05
C8	10 Feb 2020	19	14.93	83.55	7.6	33.53	8.1	24.9	0.98
C8	10 Feb 2020	20	14.92	82.97	7.6	33.53	8.1	24.9	1.02
C8	18 Feb 2020	1	15.40	86.84	8.1	33.52	8.1	24.7	0.62
C8	18 Feb 2020	2	15.39	86.76	8.1	33.52	8.1	24.7	0.62
C8	18 Feb 2020	3	15.38	86.84	8.1	33.52	8.1	24.7	0.65
C8	18 Feb 2020	4	15.37	87.04	8.1	33.52	8.1	24.7	0.66
C8	18 Feb 2020	5	15.36	87.13	8.1	33.52	8.1	24.8	0.71
C8	18 Feb 2020	6	15.36	87.34	8.1	33.52	8.1	24.8	0.73
C8	18 Feb 2020	7	15.35	87.51	8.0	33.52	8.1	24.8	0.73
C8	18 Feb 2020	8	15.33	87.69	8.1	33.52	8.1	24.8	0.69
C8	18 Feb 2020	9	15.32	87.88	8.0	33.52	8.1	24.8	0.69
C8	18 Feb 2020	10	15.31	88.02	8.1	33.52	8.1	24.8	0.71
C8	18 Feb 2020	11	15.29	87.80	8.1	33.52	8.1	24.8	0.80
C8	18 Feb 2020	12	15.20	87.57	8.0	33.53	8.1	24.8	0.88
C8	18 Feb 2020	13	14.99	87.04	8.0	33.54	8.0	24.8	1.05
C8	18 Feb 2020	14	14.88	86.61	7.9	33.53	8.0	24.9	1.41
C8	18 Feb 2020	15	14.73	85.97	7.7	33.54	8.0	24.9	1.66
C8	18 Feb 2020	16	14.36	86.11	7.5	33.55	8.0	25.0	1.75
C8	18 Feb 2020	17	14.28	86.55	7.3	33.53	8.0	25.0	1.57
C8	18 Feb 2020	18	14.22	86.81	7.2	33.52	8.0	25.0	1.38
C8	18 Feb 2020	19	14.22	83.36	7.2	33.52	8.0	25.0	1.46
C8	25 Feb 2020	1	15.46	87.35	8.2	33.51	8.1	24.7	0.59
C8	25 Feb 2020	2	15.45	87.30	8.2	33.51	8.1	24.7	0.59
C8	25 Feb 2020	3	15.41	87.27	8.2	33.52	8.1	24.7	0.59
C8	25 Feb 2020	4	15.39	87.07	8.2	33.51	8.1	24.7	0.65
C8	25 Feb 2020	5	15.37	86.88	8.2	33.51	8.1	24.7	0.70
C8	25 Feb 2020	6	15.35	86.78	8.1	33.51	8.1	24.7	0.78
C8	25 Feb 2020	7	15.15	86.47	8.1	33.53	8.0	24.8	0.89
C8	25 Feb 2020	8	14.97	85.82	8.0	33.53	8.0	24.8	1.21
C8	25 Feb 2020	9	14.77	85.33	7.9	33.52	8.0	24.9	1.54
C8	25 Feb 2020	10	14.63	85.70	7.7	33.53	8.0	24.9	1.77
C8	25 Feb 2020	11	14.38	85.99	7.5	33.53	8.0	25.0	1.70
C8	25 Feb 2020	12	14.40	87.10	7.5	33.52	8.0	25.0	1.64
C8	25 Feb 2020	13	14.31	87.23	7.4	33.52	8.0	25.0	1.53
C8	25 Feb 2020	14	14.31	87.25	7.4	33.52	8.0	25.0	1.48
C8	25 Feb 2020	15	14.29	87.39	7.3	33.52	8.0	25.0	1.52
C8	25 Feb 2020	16	14.27	87.39	7.3	33.52	8.0	25.0	1.46
C8	25 Feb 2020	17	14.16	87.61	7.2	33.52	8.0	25.0	1.50
C8	25 Feb 2020	18	13.89	88.00	7.0	33.54	8.0	25.1	1.45
C8	25 Feb 2020	19	13.86	87.84	6.9	33.52	7.9	25.1	1.09

NA = not available

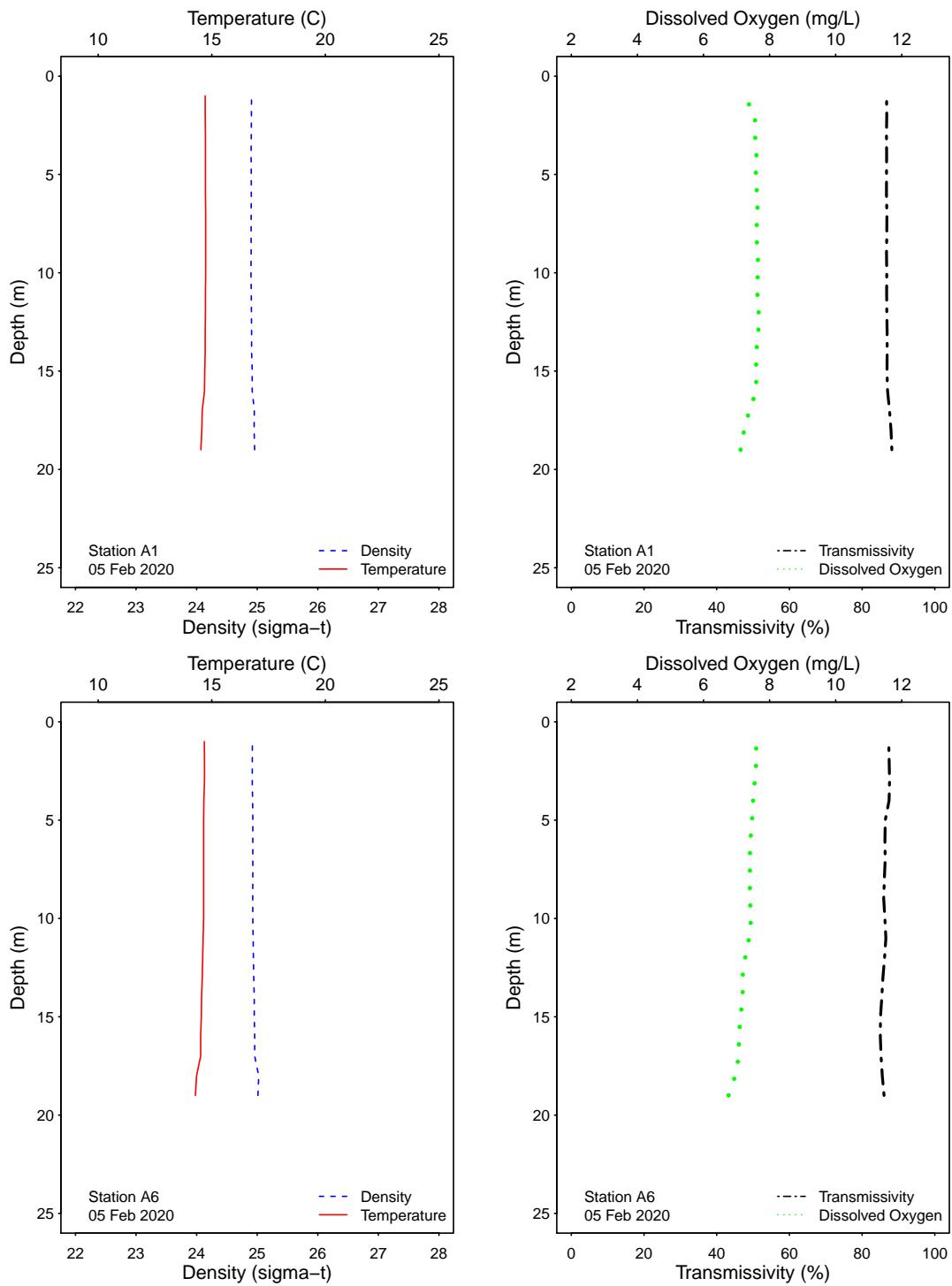


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

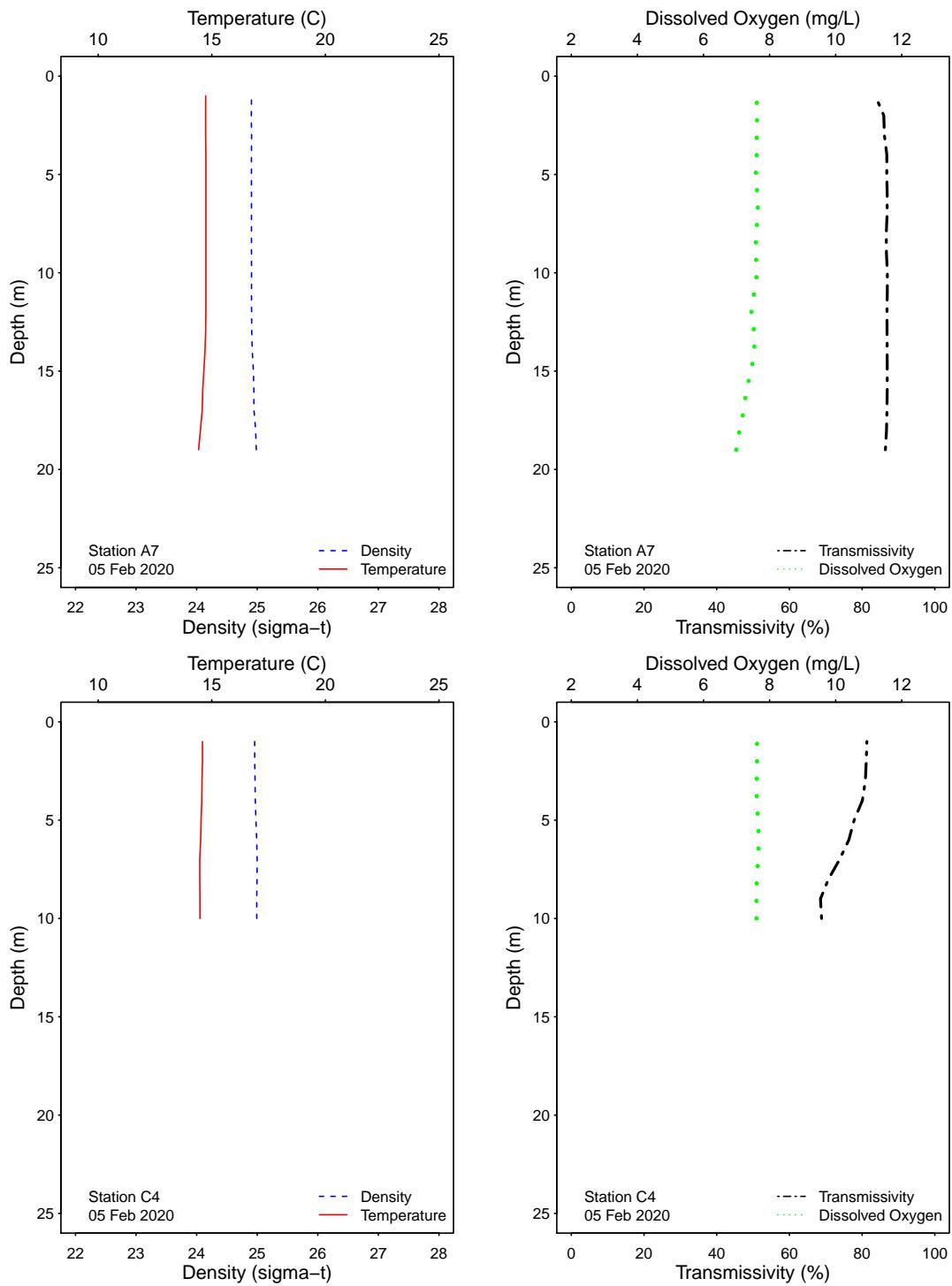


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

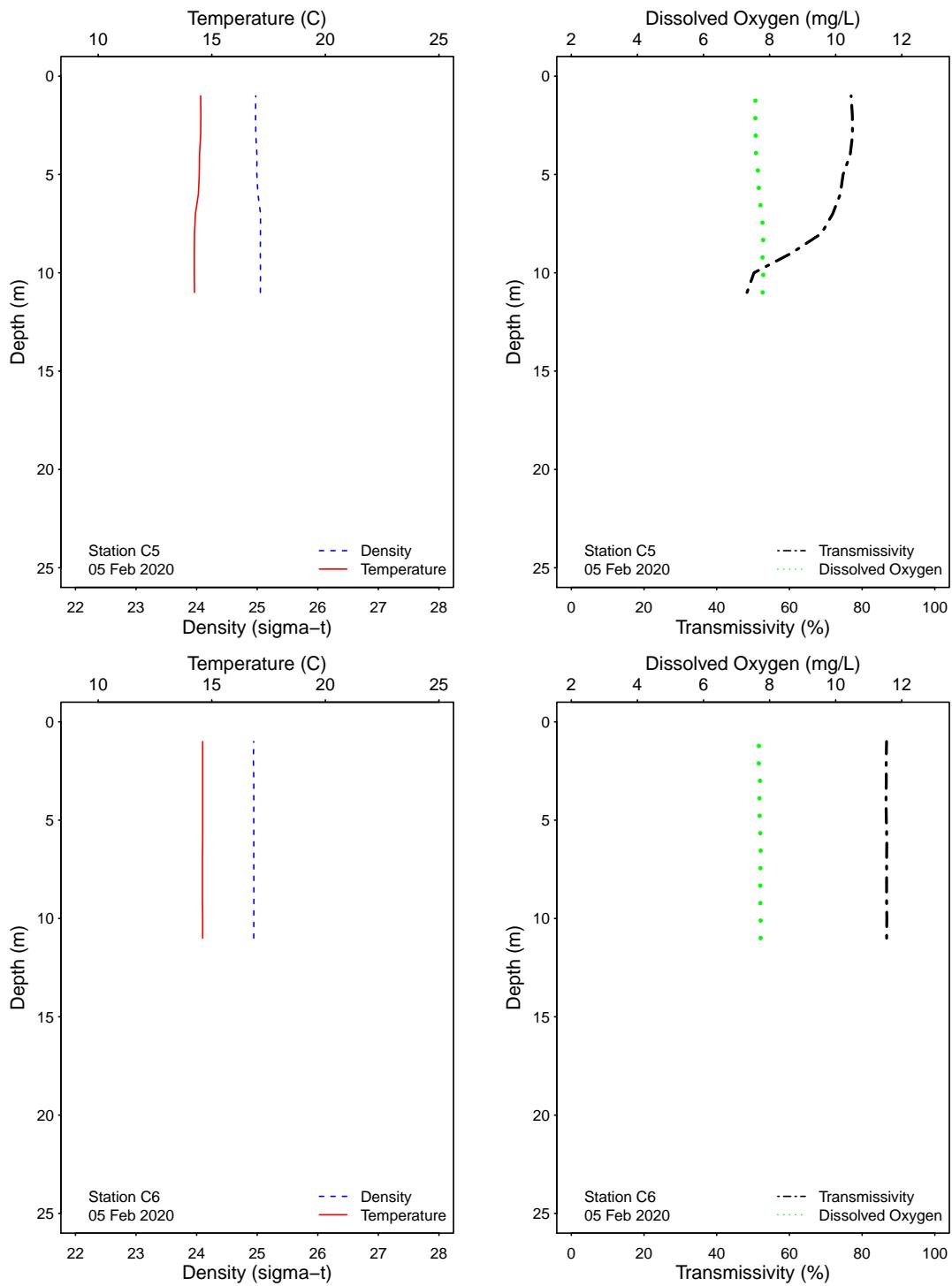


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

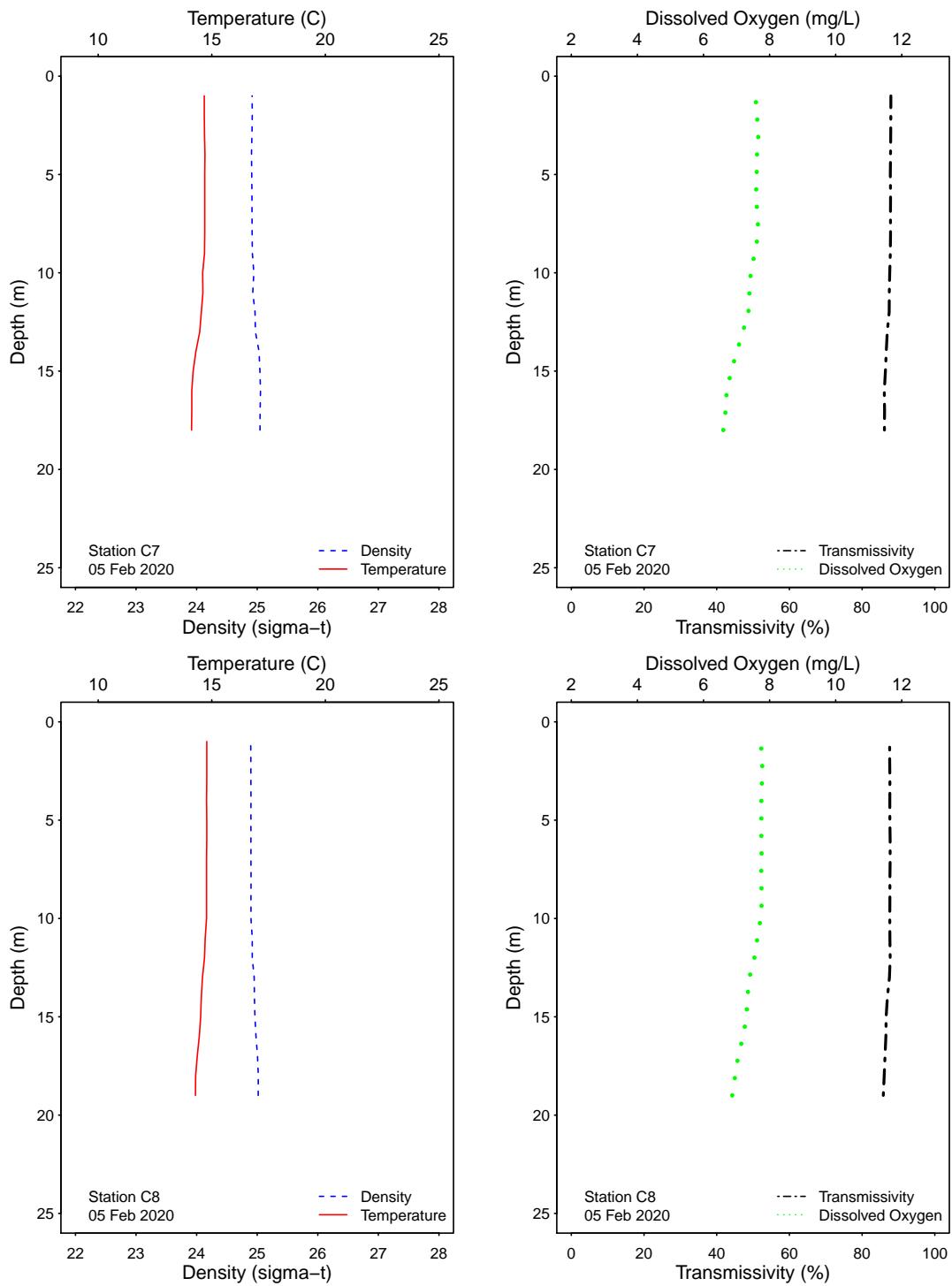


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

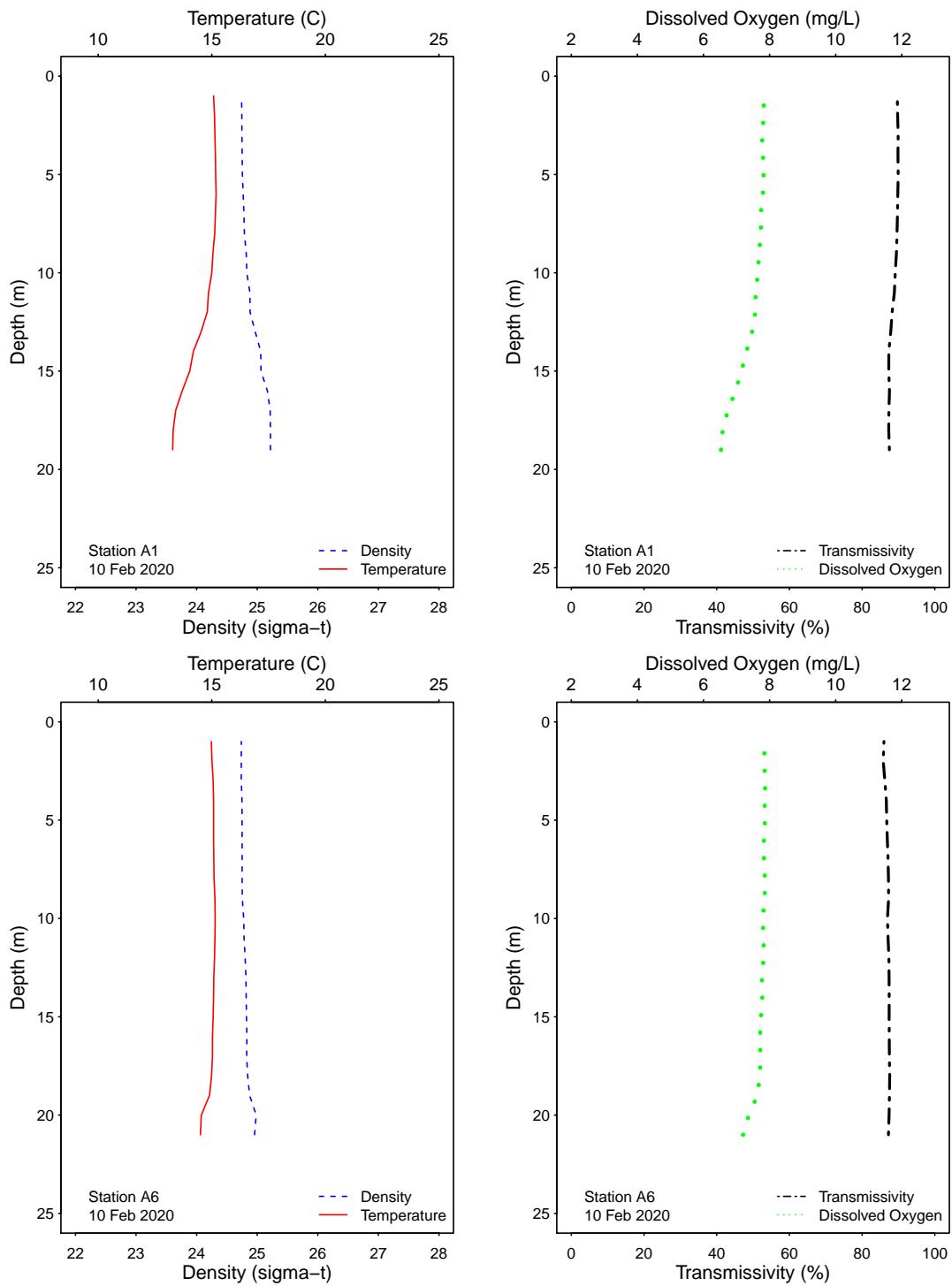


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

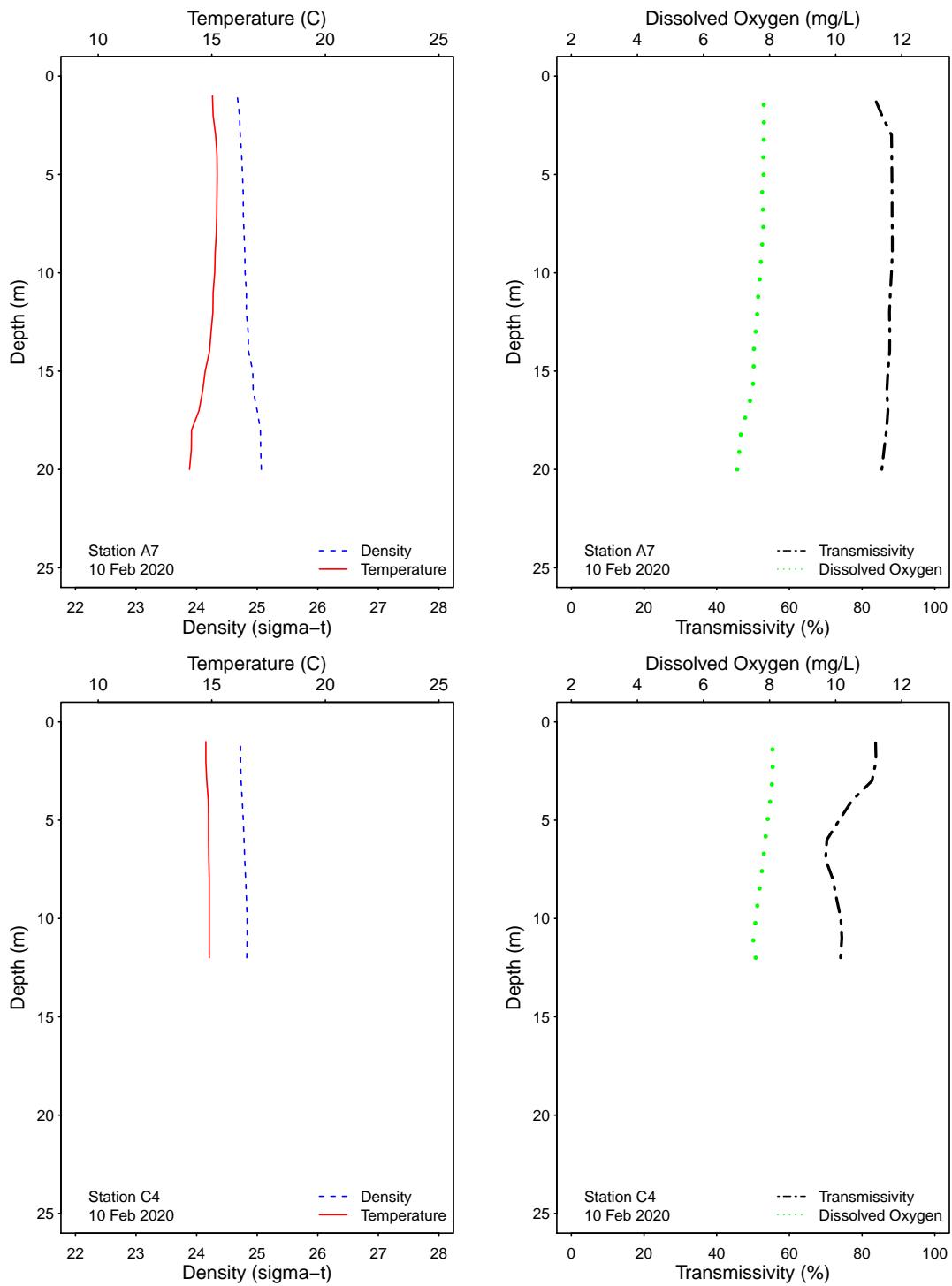


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

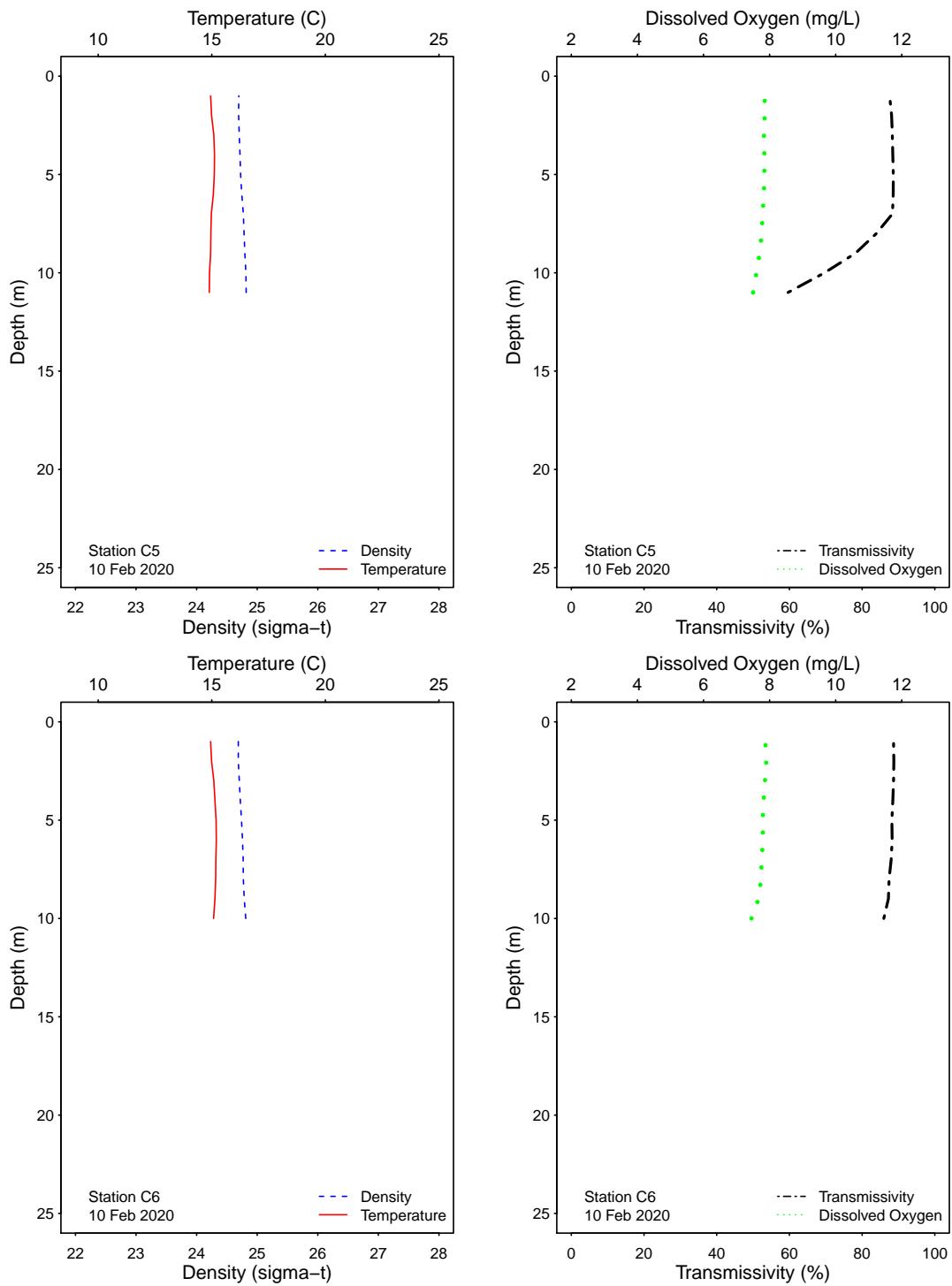


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

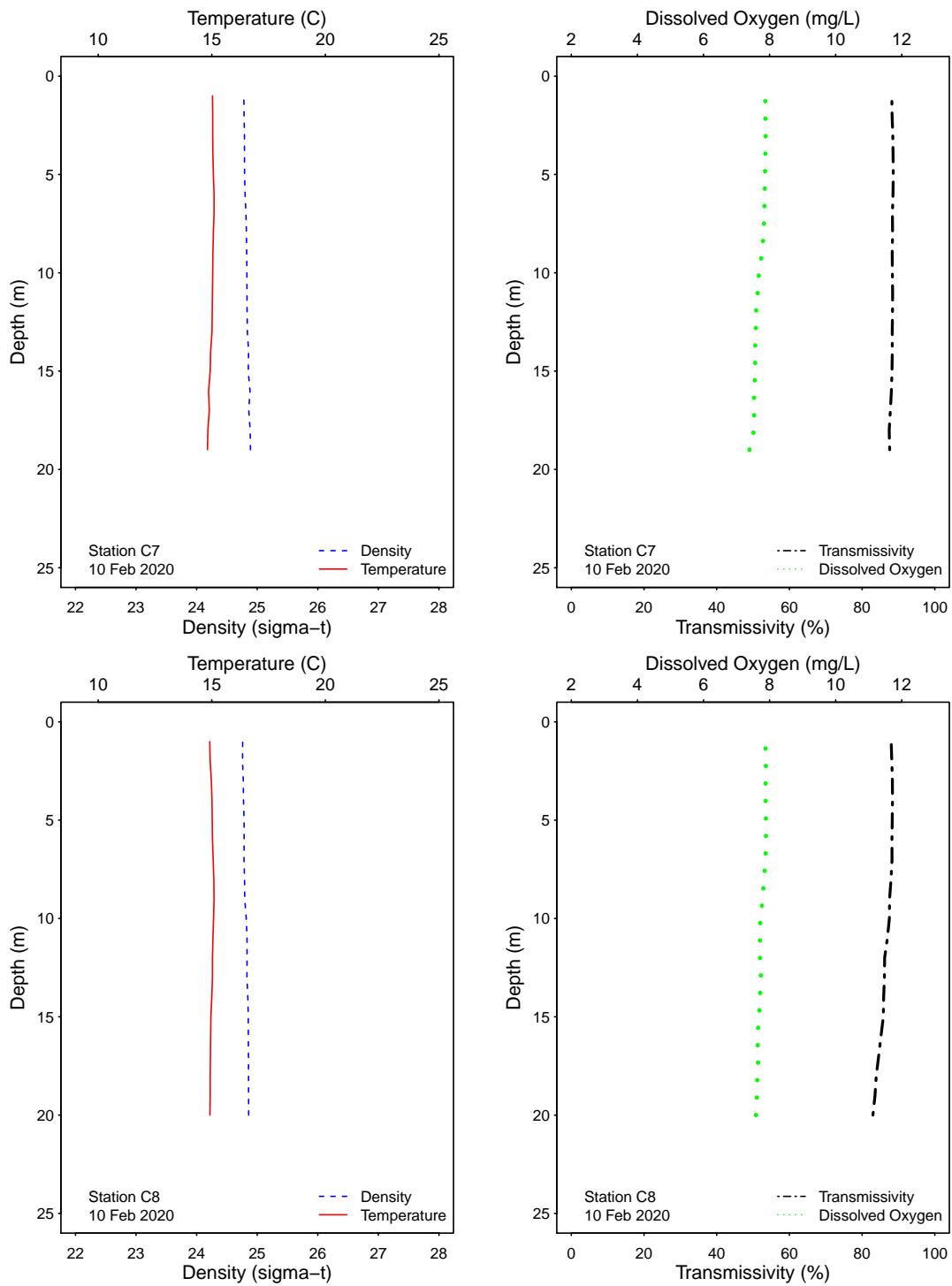


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

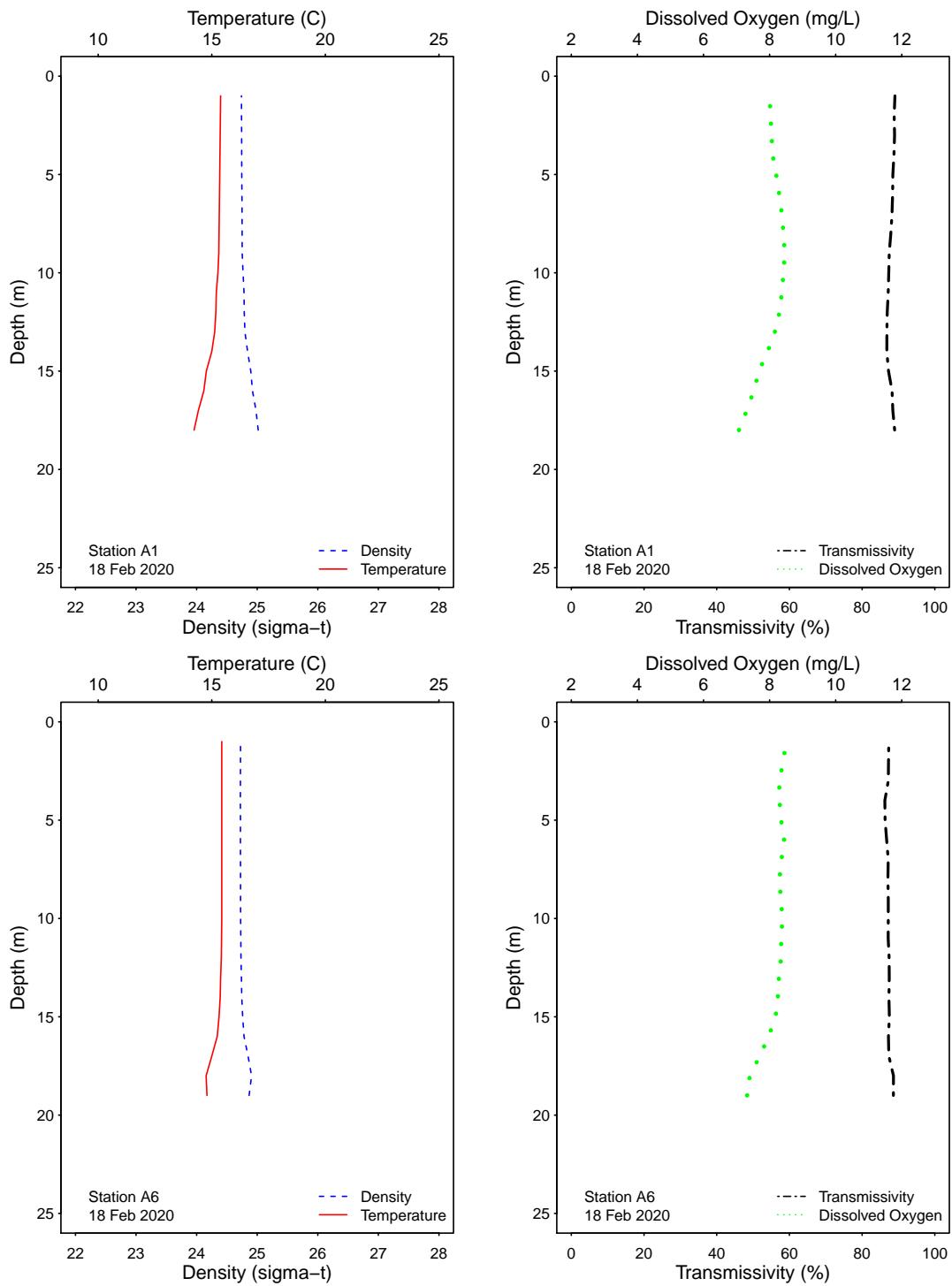


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

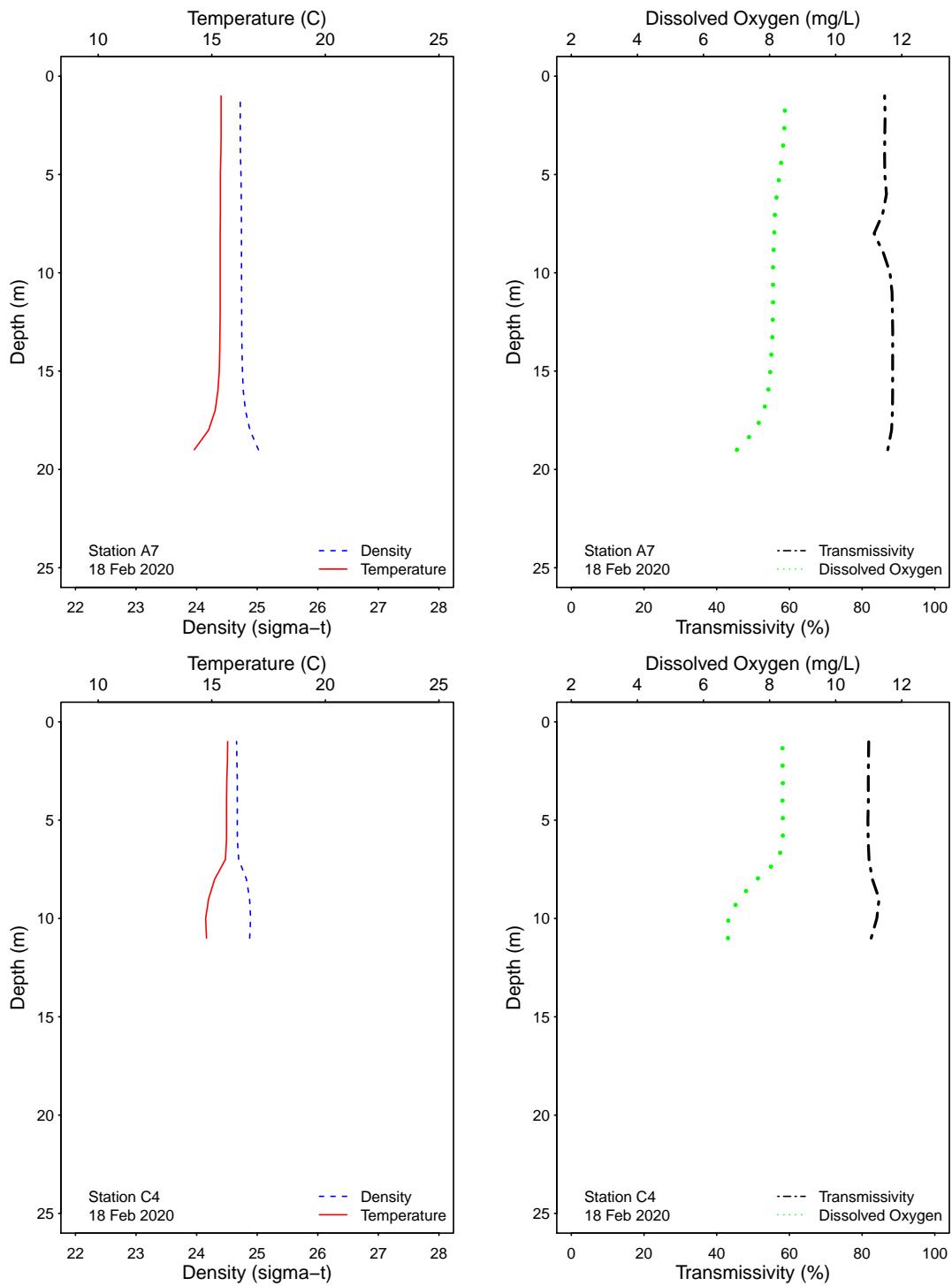


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

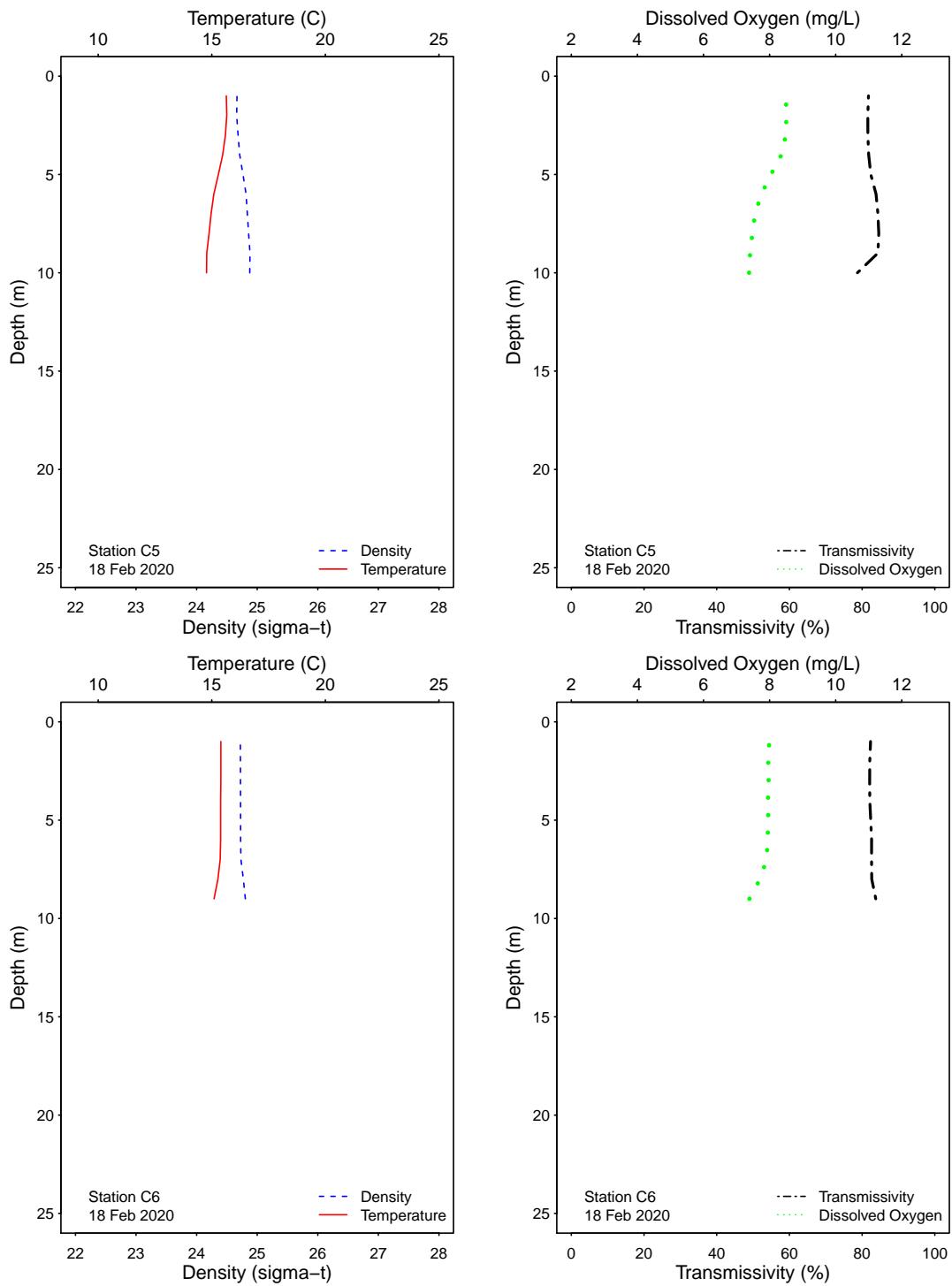


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

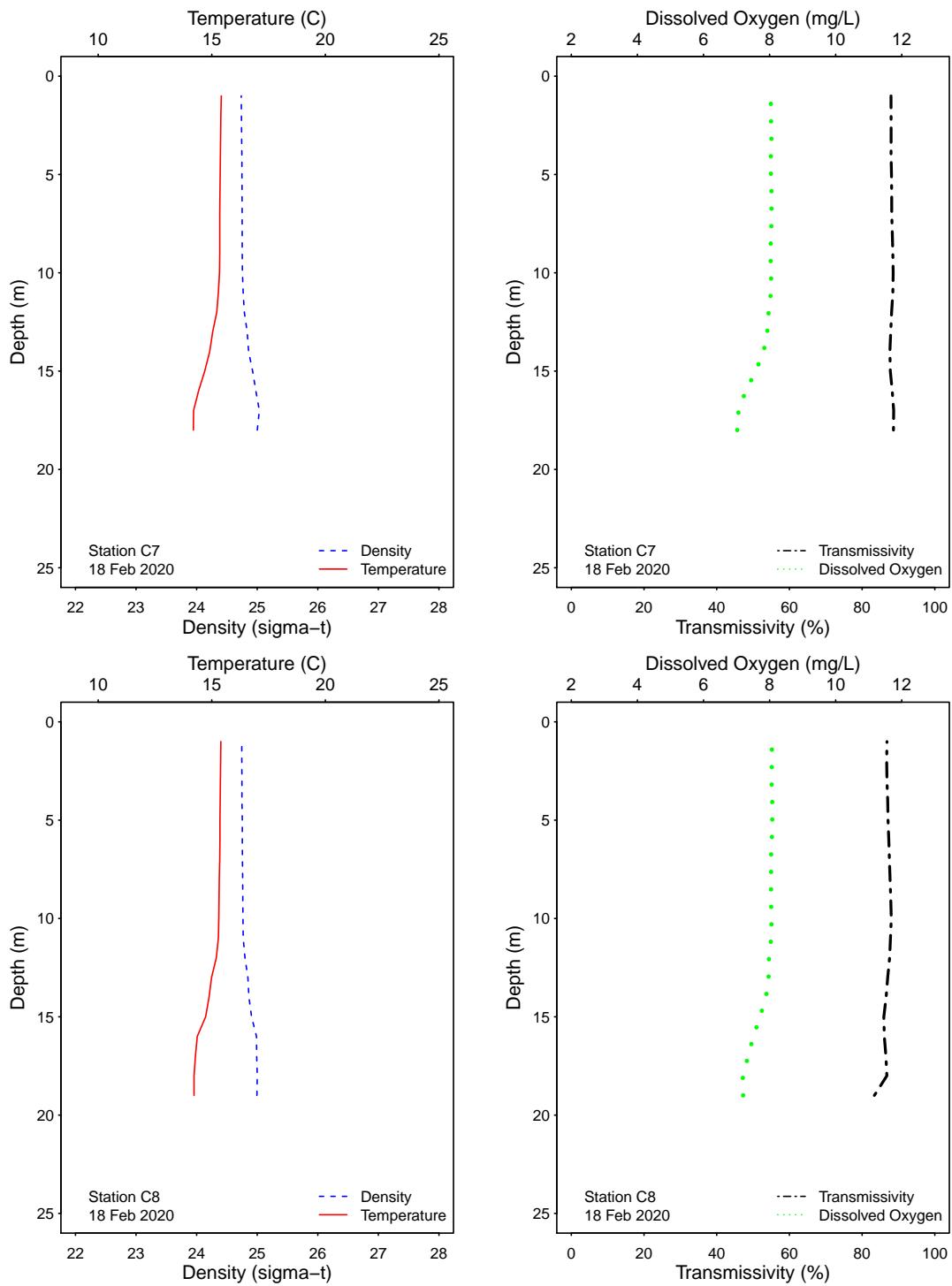


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

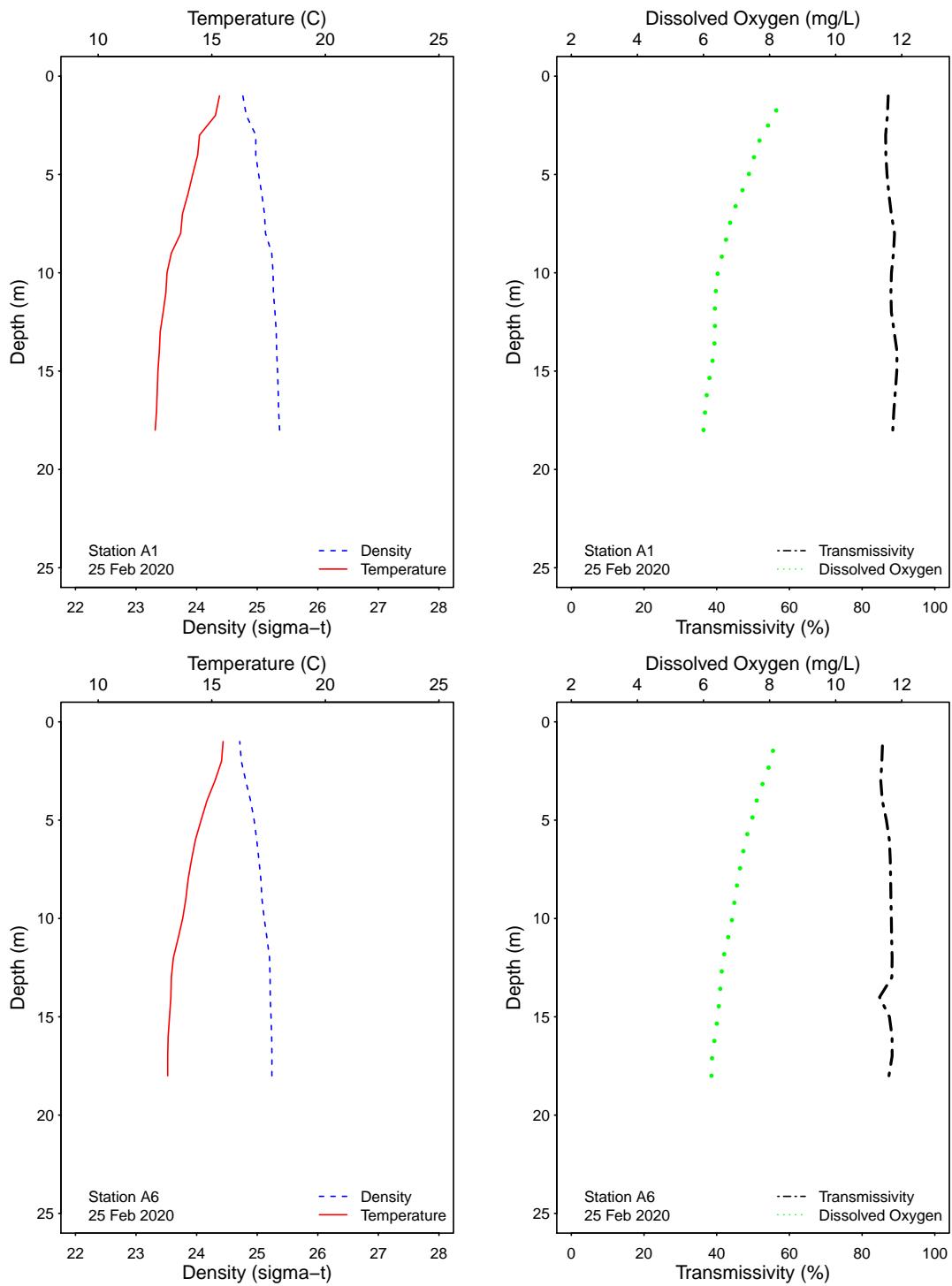


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

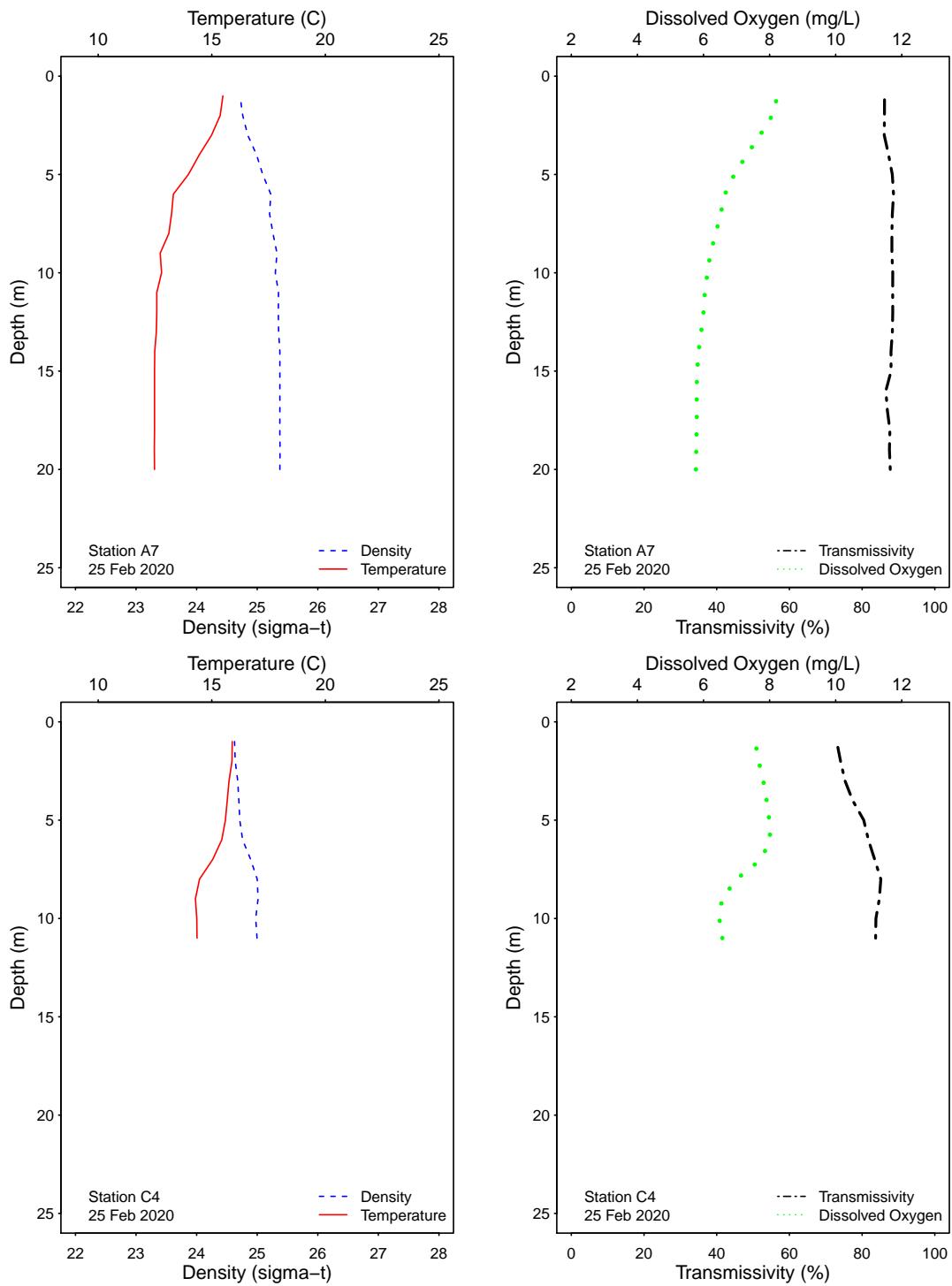


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

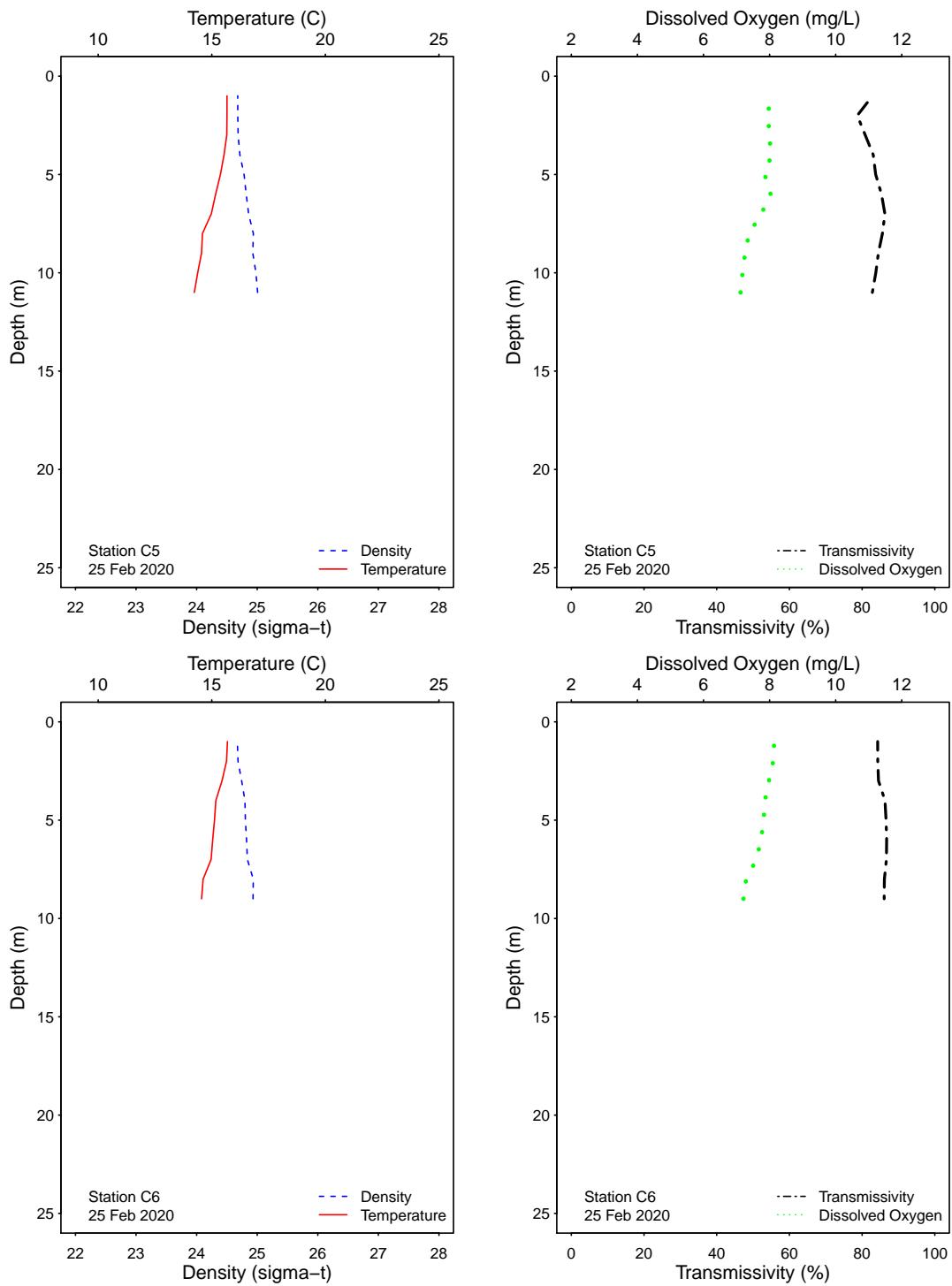


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

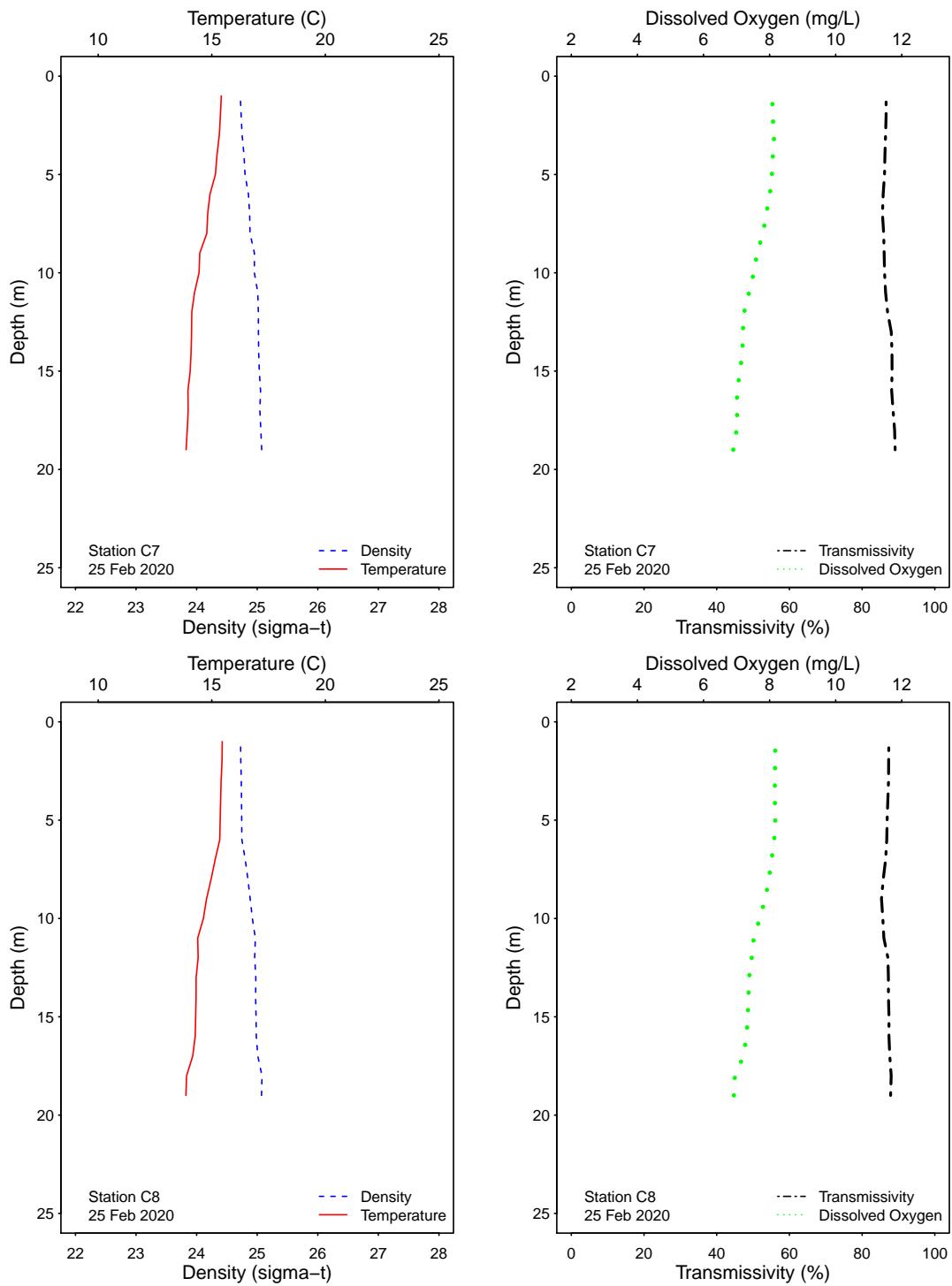


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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Offshore Stations

Table 4.1

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
20 Feb 2020	IC	ns	ns	ns											
21 Feb 2020	ns	IC	IC	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

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

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F01	20 Feb 2020	1258	1	<2	15.0	81.54	7.9	33.50	8.0
F01	20 Feb 2020	1258	12	<2	14.7	81.76	7.8	33.51	8.0
F01	20 Feb 2020	1258	18	<2	13.4	89.17	6.8	33.54	7.9
F02	20 Feb 2020	857	1	<2	15.5	86.91	8.2	33.52	8.0
F02	20 Feb 2020	857	12	<2	14.5	86.89	7.6	33.55	8.0
F02	20 Feb 2020	857	18	<2	13.8	88.97	6.9	33.55	7.9
F03	20 Feb 2020	914	1	<2	15.4	86.91	8.2	33.51	8.0
F03	20 Feb 2020	914	12	2e	13.8	86.82	6.9	33.58	7.9
F03	20 Feb 2020	914	18	2e	13.6	87.42	6.6	33.55	7.9
F04	20 Feb 2020	1214	1	<2	15.6	90.74	7.3	33.40	8.0
F04	20 Feb 2020	1214	25	<2	14.7	88.72	7.7	33.49	8.0
F04	20 Feb 2020	1214	60	2e	12.9	85.16	6.4	33.53	7.9
F05	20 Feb 2020	1200	1	<2	15.6	90.91	7.9	33.50	8.0
F05	20 Feb 2020	1200	25	<2	14.9	88.78	7.9	33.52	8.0
F05	20 Feb 2020	1200	60	<2	12.8	89.72	6.3	33.55	7.9
F06	20 Feb 2020	1131	1	<2	15.5	89.18	8.0	33.51	8.0
F06	20 Feb 2020	1131	25	<2	15.1	89.14	7.9	33.51	8.0
F06	20 Feb 2020	1131	60	<2	12.8	89.54	6.2	33.55	7.9
F07	20 Feb 2020	1118	1	<2	15.6	86.28	8.1	33.51	8.0
F07	20 Feb 2020	1118	25	<2	14.8	87.86	7.9	33.52	8.0
F07	20 Feb 2020	1118	60	<2	12.8	89.55	6.2	33.55	7.9
F08	20 Feb 2020	1103	1	<2	15.5	86.53	8.1	33.51	8.0
F08	20 Feb 2020	1103	25	<2	14.1	89.40	7.2	33.55	8.0
F08	20 Feb 2020	1103	60	<2	12.8	89.07	6.1	33.56	7.8
F09	20 Feb 2020	1052	1	<2	15.6	87.60	8.1	33.52	8.0
F09	20 Feb 2020	1052	25	<2	14.8	87.45	7.8	33.54	8.0
F09	20 Feb 2020	1052	60	<2	12.7	89.08	6.0	33.57	7.8
F10	20 Feb 2020	1035	1	<2	15.5	90.77	8.0	33.51	8.0
F10	20 Feb 2020	1035	25	<2	15.2	89.47	7.9	33.51	8.0
F10	20 Feb 2020	1035	60	2e	12.7	88.81	6.0	33.58	7.8
F11	20 Feb 2020	1022	1	<2	15.5	90.87	7.9	33.50	8.0
F11	20 Feb 2020	1022	25	<2	15.1	89.60	7.9	33.50	8.0
F11	20 Feb 2020	1022	60	2e	12.7	88.85	5.9	33.58	7.8
F12	20 Feb 2020	1009	1	<2	15.5	90.90	7.9	33.49	8.0
F12	20 Feb 2020	1009	25	<2	15.2	90.72	7.9	33.52	8.0
F12	20 Feb 2020	1009	60	2e	12.7	88.86	5.9	33.58	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F13	20 Feb 2020	955	1	<2	15.5	90.98	7.9	33.50	8.0
F13	20 Feb 2020	955	25	<2	15.0	88.97	7.9	33.51	8.0
F13	20 Feb 2020	955	60	<2	12.7	88.28	5.8	33.58	7.8
F14	20 Feb 2020	941	1	<2	15.6	90.33	8.0	33.52	8.0
F14	20 Feb 2020	941	25	<2	15.2	89.65	8.1	33.52	8.0
F14	20 Feb 2020	941	60	<2	12.6	87.63	5.7	33.59	7.8
F15	21 Feb 2020	1147	1	<2	15.9	91.08	7.8	33.45	8.1
F15	21 Feb 2020	1147	25	<2	15.0	89.52	7.9	33.50	8.1
F15	21 Feb 2020	1147	60	<2	12.4	91.81	6.6	33.49	7.9
F15	21 Feb 2020	1147	80	6e	11.8	85.76	4.6	33.67	7.8
F16	21 Feb 2020	1133	1	<2	15.9	91.18	7.8	33.45	8.1
F16	21 Feb 2020	1133	25	<2	14.9	88.87	7.8	33.52	8.1
F16	21 Feb 2020	1133	60	<2	12.2	91.73	6.4	33.53	7.9
F16	21 Feb 2020	1133	80	12e	11.8	84.06	4.6	33.66	7.8
F17	21 Feb 2020	1119	1	<2	15.9	91.36	7.8	33.46	8.1
F17	21 Feb 2020	1119	25	<2	15.0	90.20	7.9	33.49	8.1
F17	21 Feb 2020	1119	60	<2	12.6	91.50	6.4	33.52	7.9
F17	21 Feb 2020	1119	80	14e	11.8	81.20	4.4	33.62	7.8
F18	21 Feb 2020	1052	1	<2	15.9	91.25	7.8	33.46	8.1
F18	21 Feb 2020	1052	25	<2	15.0	89.85	7.9	33.50	8.1
F18	21 Feb 2020	1052	60	2e	12.6	91.43	6.0	33.58	7.9
F18	21 Feb 2020	1052	80	24e	11.9	77.86	4.5	33.63	7.8
F19	21 Feb 2020	1036	1	<2	15.8	90.74	7.9	33.49	8.1
F19	21 Feb 2020	1036	25	<2	14.8	89.55	7.8	33.49	8.0
F19	21 Feb 2020	1036	60	6e	12.6	91.29	6.1	33.57	7.9
F19	21 Feb 2020	1036	80	48	11.8	83.42	4.3	33.62	7.7
F20	21 Feb 2020	1020	1	<2	15.8	89.77	8.0	33.53	8.1
F20	21 Feb 2020	1020	25	<2	14.8	89.51	7.8	33.50	8.0
F20	21 Feb 2020	1020	60	32e	12.4	90.90	5.8	33.57	7.9
F20	21 Feb 2020	1020	80	26e	12.0	84.78	4.6	33.63	7.8
F21	21 Feb 2020	1006	1	<2	15.7	89.76	8.0	33.52	8.1
F21	21 Feb 2020	1006	25	<2	14.8	89.49	7.9	33.49	8.0
F21	21 Feb 2020	1006	60	4e	12.6	91.18	6.2	33.55	7.9
F21	21 Feb 2020	1006	80	28e	11.9	86.85	4.7	33.57	7.8
F22	21 Feb 2020	946	1	<2	15.7	89.61	8.0	33.52	8.1
F22	21 Feb 2020	946	25	<2	15.1	89.62	8.0	33.49	8.1
F22	21 Feb 2020	946	60	<2	12.6	91.26	6.2	33.56	7.9
F22	21 Feb 2020	946	80	16e	12.0	84.40	4.7	33.64	7.8
F23	21 Feb 2020	931	1	<2	15.7	89.80	8.0	33.53	8.1
F23	21 Feb 2020	931	25	<2	15.1	87.05	8.3	33.52	8.1
F23	21 Feb 2020	931	60	<2	12.6	91.52	6.3	33.56	7.9
F23	21 Feb 2020	931	80	4e	12.0	86.06	5.0	33.67	7.8
F24	21 Feb 2020	911	1	<2	15.6	89.90	8.0	33.53	8.1
F24	21 Feb 2020	911	25	<2	15.2	88.28	8.1	33.52	8.1

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F24	21 Feb 2020	911	60	<2	13.0	91.43	6.4	33.53	7.9
F24	21 Feb 2020	911	80	<2	12.0	87.81	5.1	33.67	7.8
F25	21 Feb 2020	856	1	<2	15.6	89.77	8.0	33.53	8.0
F25	21 Feb 2020	856	25	<2	15.2	89.09	8.1	33.52	8.0
F25	21 Feb 2020	856	60	<2	12.8	91.35	6.4	33.54	7.9
F25	21 Feb 2020	856	80	<2	11.9	86.58	5.2	33.66	7.8
F26	19 Feb 2020	1207	1	<2	15.8	91.18	7.8	33.48	8.1
F26	19 Feb 2020	1207	25	<2	15.3	90.74	7.9	33.49	8.1
F26	19 Feb 2020	1207	60	<2	12.4	91.54	6.3	33.53	7.9
F26	19 Feb 2020	1207	80	8e	11.8	83.53	4.6	33.65	7.8
F26	19 Feb 2020	1207	98	6e	11.2	77.93	3.9	33.85	7.7
F27	19 Feb 2020	1151	1	<2	15.9	91.30	7.8	33.49	8.1
F27	19 Feb 2020	1151	25	<2	15.3	91.12	7.9	33.48	8.1
F27	19 Feb 2020	1151	60	<2	12.2	91.97	6.7	33.51	7.9
F27	19 Feb 2020	1151	80	26e	11.8	86.63	4.4	33.61	7.8
F27	19 Feb 2020	1151	98	14e	11.4	77.14	4.1	33.75	7.7
F28	19 Feb 2020	1137	1	<2	15.8	91.38	7.8	33.49	8.1
F28	19 Feb 2020	1137	25	<2	15.2	91.01	7.8	33.49	8.1
F28	19 Feb 2020	1137	60	<2	12.2	91.32	6.0	33.57	7.9
F28	19 Feb 2020	1137	80	8e	11.9	85.41	4.6	33.62	7.8
F28	19 Feb 2020	1137	98	16e	11.4	79.70	4.1	33.71	7.7
F29	19 Feb 2020	1120	1	<2	15.7	91.41	7.8	33.49	8.1
F29	19 Feb 2020	1120	25	<2	15.3	91.17	7.9	33.48	8.1
F29	19 Feb 2020	1120	60	18e	12.4	91.25	6.1	33.57	7.9
F29	19 Feb 2020	1120	80	34e	12.0	89.44	4.9	33.61	7.8
F29	19 Feb 2020	1120	98	22e	11.2	85.81	4.3	33.80	7.7
F30	19 Feb 2020	1103	1	2e	15.7	91.06	7.8	33.50	8.1
F30	19 Feb 2020	1103	25	<2	15.2	90.95	7.9	33.49	8.1
F30	19 Feb 2020	1103	60	600	11.9	83.59	4.7	33.52	7.8
F30	19 Feb 2020	1103	80	520	11.7	82.71	4.2	33.57	7.7
F30	19 Feb 2020	1103	98	2e	11.2	84.82	4.0	33.84	7.7
F31	19 Feb 2020	1042	1	<2	15.7	91.21	7.8	33.50	8.1
F31	19 Feb 2020	1042	25	2e	15.3	90.93	7.9	33.51	8.1
F31	19 Feb 2020	1042	60	88	12.6	91.14	6.2	33.57	7.9
F31	19 Feb 2020	1042	80	160e	11.8	85.70	4.5	33.60	7.8
F31	19 Feb 2020	1042	98	12e	11.3	83.93	4.0	33.82	7.7
F32	19 Feb 2020	1023	1	<2	15.7	91.10	7.9	33.50	8.1
F32	19 Feb 2020	1023	25	<2	15.3	91.14	7.9	33.51	8.1
F32	19 Feb 2020	1023	60	<2	12.6	91.59	6.2	33.58	7.9
F32	19 Feb 2020	1023	80	200e	11.7	86.48	4.5	33.62	7.8
F32	19 Feb 2020	1023	98	6e	11.4	85.47	4.2	33.77	7.7
F33	19 Feb 2020	1006	1	<2	15.7	90.66	7.8	33.50	8.1
F33	19 Feb 2020	1006	25	<2	15.4	90.73	7.9	33.50	8.1
F33	19 Feb 2020	1006	60	<2	12.6	91.49	6.2	33.57	7.9
F33	19 Feb 2020	1006	80	34e	12.1	88.87	5.0	33.65	7.8
F33	19 Feb 2020	1006	98	2e	11.3	85.77	4.2	33.80	7.7

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F34	19 Feb 2020	948	1	<2	15.7	91.25	7.9	33.50	8.1
F34	19 Feb 2020	948	25	<2	15.3	90.91	7.9	33.49	8.1
F34	19 Feb 2020	948	60	<2	12.3	91.74	6.5	33.55	7.9
F34	19 Feb 2020	948	80	2e	12.0	89.53	5.2	33.66	7.8
F34	19 Feb 2020	948	98	<2	11.7	81.12	4.5	33.73	7.8
F35	19 Feb 2020	925	1	<2	15.8	90.80	7.9	33.51	8.1
F35	19 Feb 2020	925	25	<2	15.2	90.54	8.1	33.52	8.1
F35	19 Feb 2020	925	60	<2	12.5	91.73	6.9	33.48	7.9
F35	19 Feb 2020	925	80	<2	11.9	91.64	6.0	33.63	7.9
F35	19 Feb 2020	925	98	<2	11.6	86.32	5.0	33.72	7.8
F36	19 Feb 2020	906	1	<2	15.8	90.71	8.0	33.52	8.0
F36	19 Feb 2020	906	25	<2	15.2	90.10	8.1	33.52	8.1
F36	19 Feb 2020	906	60	<2	13.2	91.38	6.6	33.52	7.9
F36	19 Feb 2020	906	80	<2	11.7	92.13	6.3	33.58	7.9
F36	19 Feb 2020	906	98	<2	11.5	90.63	5.5	33.68	7.8

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	20 Feb 2020	Depth (m)	18
F01	20 Feb 2020	Arrive Time	1258
F01	20 Feb 2020	Depart Time	1301
F01	20 Feb 2020	Air Temp (C)	15
F01	20 Feb 2020	Weather	Fog
F01	20 Feb 2020	Visibility (mi)	3
F01	20 Feb 2020	Wind Speed (kts)	12
F01	20 Feb 2020	Wind Dir	NW
F01	20 Feb 2020	Water Color	Blue
F01	20 Feb 2020	Wave Ht Low (ft)	4
F01	20 Feb 2020	Wave Period (sec)	13
F01	20 Feb 2020	Sea State	Calm
F01	20 Feb 2020	High Tide (ft)	5.51
F01	20 Feb 2020	High Tide Time	651
F01	20 Feb 2020	Low Tide (ft)	-0.89
F01	20 Feb 2020	Low Tide Time	1403
F01	20 Feb 2020	Comments	none
F02	20 Feb 2020	Depth (m)	20
F02	20 Feb 2020	Arrive Time	857
F02	20 Feb 2020	Depart Time	902
F02	20 Feb 2020	Air Temp (C)	12
F02	20 Feb 2020	Weather	Fog
F02	20 Feb 2020	Visibility (mi)	1
F02	20 Feb 2020	Wind Speed (kts)	8
F02	20 Feb 2020	Wind Dir	NW
F02	20 Feb 2020	Water Color	Blue
F02	20 Feb 2020	Wave Ht Low (ft)	2
F02	20 Feb 2020	Wave Period (sec)	13
F02	20 Feb 2020	Sea State	Calm
F02	20 Feb 2020	High Tide (ft)	5.51
F02	20 Feb 2020	High Tide Time	651
F02	20 Feb 2020	Low Tide (ft)	-0.89
F02	20 Feb 2020	Low Tide Time	1403
F02	20 Feb 2020	Comments	none
F03	20 Feb 2020	Depth (m)	20
F03	20 Feb 2020	Arrive Time	914
F03	20 Feb 2020	Depart Time	918
F03	20 Feb 2020	Air Temp (C)	12
F03	20 Feb 2020	Weather	Fog
F03	20 Feb 2020	Visibility (mi)	1
F03	20 Feb 2020	Wind Speed (kts)	11
F03	20 Feb 2020	Wind Dir	NW
F03	20 Feb 2020	Water Color	Blue
F03	20 Feb 2020	Wave Ht Low (ft)	2
F03	20 Feb 2020	Wave Period (sec)	13
F03	20 Feb 2020	Sea State	Calm
F03	20 Feb 2020	High Tide (ft)	5.51
F03	20 Feb 2020	High Tide Time	651
F03	20 Feb 2020	Low Tide (ft)	-0.89

Station	Date	Parameter	Value
F03	20 Feb 2020	Low Tide Time	1403
F03	20 Feb 2020	Comments	none
F04	20 Feb 2020	Depth (m)	60
F04	20 Feb 2020	Arrive Time	1214
F04	20 Feb 2020	Depart Time	1234
F04	20 Feb 2020	Air Temp (C)	15
F04	20 Feb 2020	Weather	Fog
F04	20 Feb 2020	Visibility (mi)	3
F04	20 Feb 2020	Wind Speed (kts)	12
F04	20 Feb 2020	Wind Dir	N
F04	20 Feb 2020	Water Color	Blue
F04	20 Feb 2020	Wave Ht Low (ft)	2
F04	20 Feb 2020	Wave Period (sec)	13
F04	20 Feb 2020	Sea State	Calm
F04	20 Feb 2020	High Tide (ft)	5.51
F04	20 Feb 2020	High Tide Time	651
F04	20 Feb 2020	Low Tide (ft)	-0.89
F04	20 Feb 2020	Low Tide Time	1403
F04	20 Feb 2020	Comments	1st cast discarded; Bad CStar %Trans data due to cable; Connector/cable cleaned and 2nd cast kept
F05	20 Feb 2020	Depth (m)	63
F05	20 Feb 2020	Arrive Time	1200
F05	20 Feb 2020	Depart Time	1205
F05	20 Feb 2020	Air Temp (C)	15
F05	20 Feb 2020	Weather	Fog
F05	20 Feb 2020	Visibility (mi)	3
F05	20 Feb 2020	Wind Speed (kts)	12
F05	20 Feb 2020	Wind Dir	N
F05	20 Feb 2020	Water Color	Blue
F05	20 Feb 2020	Wave Ht Low (ft)	2
F05	20 Feb 2020	Wave Period (sec)	13
F05	20 Feb 2020	Sea State	Calm
F05	20 Feb 2020	High Tide (ft)	5.51
F05	20 Feb 2020	High Tide Time	651
F05	20 Feb 2020	Low Tide (ft)	-0.89
F05	20 Feb 2020	Low Tide Time	1403
F05	20 Feb 2020	Comments	none
F06	20 Feb 2020	Depth (m)	62
F06	20 Feb 2020	Arrive Time	1131
F06	20 Feb 2020	Depart Time	1153
F06	20 Feb 2020	Air Temp (C)	14
F06	20 Feb 2020	Weather	Fog
F06	20 Feb 2020	Visibility (mi)	3
F06	20 Feb 2020	Wind Speed (kts)	11
F06	20 Feb 2020	Wind Dir	N
F06	20 Feb 2020	Water Color	Blue
F06	20 Feb 2020	Wave Ht Low (ft)	2
F06	20 Feb 2020	Wave Period (sec)	13
F06	20 Feb 2020	Sea State	Calm
F06	20 Feb 2020	High Tide (ft)	5.51
F06	20 Feb 2020	High Tide Time	651
F06	20 Feb 2020	Low Tide (ft)	-0.89

Station	Date	Parameter	Value
F06	20 Feb 2020	Low Tide Time	1403
F06	20 Feb 2020	Comments	
F07	20 Feb 2020	Depth (m)	64
F07	20 Feb 2020	Arrive Time	1118
F07	20 Feb 2020	Depart Time	1123
F07	20 Feb 2020	Air Temp (C)	14
F07	20 Feb 2020	Weather	Fog
F07	20 Feb 2020	Visibility (mi)	3
F07	20 Feb 2020	Wind Speed (kts)	9
F07	20 Feb 2020	Wind Dir	N
F07	20 Feb 2020	Water Color	Blue
F07	20 Feb 2020	Wave Ht Low (ft)	2
F07	20 Feb 2020	Wave Period (sec)	13
F07	20 Feb 2020	Sea State	Calm
F07	20 Feb 2020	High Tide (ft)	5.51
F07	20 Feb 2020	High Tide Time	651
F07	20 Feb 2020	Low Tide (ft)	-0.89
F07	20 Feb 2020	Low Tide Time	1403
F07	20 Feb 2020	Comments	none
F08	20 Feb 2020	Depth (m)	2
F08	20 Feb 2020	Arrive Time	1103
F08	20 Feb 2020	Depart Time	1107
F08	20 Feb 2020	Air Temp (C)	14
F08	20 Feb 2020	Weather	Fog
F08	20 Feb 2020	Visibility (mi)	3
F08	20 Feb 2020	Wind Speed (kts)	8
F08	20 Feb 2020	Wind Dir	N
F08	20 Feb 2020	Water Color	Blue
F08	20 Feb 2020	Wave Ht Low (ft)	2
F08	20 Feb 2020	Wave Period (sec)	13
F08	20 Feb 2020	Sea State	Calm
F08	20 Feb 2020	High Tide (ft)	5.51
F08	20 Feb 2020	High Tide Time	651
F08	20 Feb 2020	Low Tide (ft)	-0.89
F08	20 Feb 2020	Low Tide Time	1403
F08	20 Feb 2020	Comments	none
F09	20 Feb 2020	Depth (m)	62
F09	20 Feb 2020	Arrive Time	1052
F09	20 Feb 2020	Depart Time	1057
F09	20 Feb 2020	Air Temp (C)	14
F09	20 Feb 2020	Weather	Fog
F09	20 Feb 2020	Visibility (mi)	3
F09	20 Feb 2020	Wind Speed (kts)	7
F09	20 Feb 2020	Wind Dir	N
F09	20 Feb 2020	Water Color	Blue
F09	20 Feb 2020	Wave Ht Low (ft)	2
F09	20 Feb 2020	Wave Period (sec)	13
F09	20 Feb 2020	Sea State	Calm
F09	20 Feb 2020	High Tide (ft)	5.51
F09	20 Feb 2020	High Tide Time	651
F09	20 Feb 2020	Low Tide (ft)	-0.89
F09	20 Feb 2020	Low Tide Time	1403

Station	Date	Parameter	Value
F09	20 Feb 2020	Comments	none
F10	20 Feb 2020	Depth (m)	62
F10	20 Feb 2020	Arrive Time	1035
F10	20 Feb 2020	Depart Time	1040
F10	20 Feb 2020	Air Temp (C)	14
F10	20 Feb 2020	Weather	Fog
F10	20 Feb 2020	Visibility (mi)	1
F10	20 Feb 2020	Wind Speed (kts)	7
F10	20 Feb 2020	Wind Dir	N
F10	20 Feb 2020	Water Color	Blue
F10	20 Feb 2020	Wave Ht Low (ft)	2
F10	20 Feb 2020	Wave Period (sec)	13
F10	20 Feb 2020	Sea State	Calm
F10	20 Feb 2020	High Tide (ft)	5.51
F10	20 Feb 2020	High Tide Time	651
F10	20 Feb 2020	Low Tide (ft)	-0.89
F10	20 Feb 2020	Low Tide Time	1403
F10	20 Feb 2020	Comments	none
F11	20 Feb 2020	Depth (m)	60
F11	20 Feb 2020	Arrive Time	1022
F11	20 Feb 2020	Depart Time	1027
F11	20 Feb 2020	Air Temp (C)	13
F11	20 Feb 2020	Weather	Fog
F11	20 Feb 2020	Visibility (mi)	1
F11	20 Feb 2020	Wind Speed (kts)	9
F11	20 Feb 2020	Wind Dir	N
F11	20 Feb 2020	Water Color	Blue
F11	20 Feb 2020	Wave Ht Low (ft)	2
F11	20 Feb 2020	Wave Period (sec)	13
F11	20 Feb 2020	Sea State	Calm
F11	20 Feb 2020	High Tide (ft)	5.51
F11	20 Feb 2020	High Tide Time	651
F11	20 Feb 2020	Low Tide (ft)	-0.89
F11	20 Feb 2020	Low Tide Time	1403
F11	20 Feb 2020	Comments	none
F12	20 Feb 2020	Depth (m)	62
F12	20 Feb 2020	Arrive Time	1009
F12	20 Feb 2020	Depart Time	1013
F12	20 Feb 2020	Air Temp (C)	13
F12	20 Feb 2020	Weather	Fog
F12	20 Feb 2020	Visibility (mi)	1
F12	20 Feb 2020	Wind Speed (kts)	10
F12	20 Feb 2020	Wind Dir	NW
F12	20 Feb 2020	Water Color	Blue
F12	20 Feb 2020	Wave Ht Low (ft)	2
F12	20 Feb 2020	Wave Period (sec)	13
F12	20 Feb 2020	Sea State	Calm
F12	20 Feb 2020	High Tide (ft)	5.51
F12	20 Feb 2020	High Tide Time	651
F12	20 Feb 2020	Low Tide (ft)	-0.89
F12	20 Feb 2020	Low Tide Time	1403
F12	20 Feb 2020	Comments	none

Station	Date	Parameter	Value
F13	20 Feb 2020	Depth (m)	62
F13	20 Feb 2020	Arrive Time	955
F13	20 Feb 2020	Depart Time	1000
F13	20 Feb 2020	Air Temp (C)	13
F13	20 Feb 2020	Weather	Fog
F13	20 Feb 2020	Visibility (mi)	1
F13	20 Feb 2020	Wind Speed (kts)	9
F13	20 Feb 2020	Wind Dir	NW
F13	20 Feb 2020	Water Color	Blue
F13	20 Feb 2020	Wave Ht Low (ft)	2
F13	20 Feb 2020	Wave Period (sec)	13
F13	20 Feb 2020	Sea State	Calm
F13	20 Feb 2020	High Tide (ft)	5.51
F13	20 Feb 2020	High Tide Time	651
F13	20 Feb 2020	Low Tide (ft)	-0.89
F13	20 Feb 2020	Low Tide Time	1403
F13	20 Feb 2020	Comments	none
F14	20 Feb 2020	Depth (m)	60
F14	20 Feb 2020	Arrive Time	941
F14	20 Feb 2020	Depart Time	945
F14	20 Feb 2020	Air Temp (C)	13
F14	20 Feb 2020	Weather	Fog
F14	20 Feb 2020	Visibility (mi)	1
F14	20 Feb 2020	Wind Speed (kts)	6
F14	20 Feb 2020	Wind Dir	NW
F14	20 Feb 2020	Water Color	Blue
F14	20 Feb 2020	Wave Ht Low (ft)	2
F14	20 Feb 2020	Wave Period (sec)	13
F14	20 Feb 2020	Sea State	Calm
F14	20 Feb 2020	High Tide (ft)	5.51
F14	20 Feb 2020	High Tide Time	651
F14	20 Feb 2020	Low Tide (ft)	-0.89
F14	20 Feb 2020	Low Tide Time	1403
F14	20 Feb 2020	Comments	
F15	21 Feb 2020	Depth (m)	81
F15	21 Feb 2020	Arrive Time	1147
F15	21 Feb 2020	Depart Time	1157
F15	21 Feb 2020	Air Temp (C)	14
F15	21 Feb 2020	Weather	Haze
F15	21 Feb 2020	Visibility (mi)	12
F15	21 Feb 2020	Wind Speed (kts)	8
F15	21 Feb 2020	Wind Dir	SW
F15	21 Feb 2020	Water Color	Bluish-Green
F15	21 Feb 2020	Wave Ht Low (ft)	2
F15	21 Feb 2020	Wave Period (sec)	13
F15	21 Feb 2020	Sea State	Light chop
F15	21 Feb 2020	High Tide (ft)	5.61
F15	21 Feb 2020	High Tide Time	730
F15	21 Feb 2020	Low Tide (ft)	-0.9
F15	21 Feb 2020	Low Tide Time	1434
F15	21 Feb 2020	Comments	B18 Ocean Acidification samples collected at 1m #17719 and 81m #17720

Station	Date	Parameter	Value
F16	21 Feb 2020	Depth (m)	81
F16	21 Feb 2020	Arrive Time	1133
F16	21 Feb 2020	Depart Time	1136
F16	21 Feb 2020	Air Temp (C)	14
F16	21 Feb 2020	Weather	Haze
F16	21 Feb 2020	Visibility (mi)	12
F16	21 Feb 2020	Wind Speed (kts)	11
F16	21 Feb 2020	Wind Dir	SW
F16	21 Feb 2020	Water Color	Bluish-Green
F16	21 Feb 2020	Wave Ht Low (ft)	2
F16	21 Feb 2020	Wave Period (sec)	13
F16	21 Feb 2020	Sea State	Light chop
F16	21 Feb 2020	High Tide (ft)	5.61
F16	21 Feb 2020	High Tide Time	730
F16	21 Feb 2020	Low Tide (ft)	-0.9
F16	21 Feb 2020	Low Tide Time	1434
F16	21 Feb 2020	Comments	none
F17	21 Feb 2020	Depth (m)	83
F17	21 Feb 2020	Arrive Time	1119
F17	21 Feb 2020	Depart Time	1122
F17	21 Feb 2020	Air Temp (C)	14
F17	21 Feb 2020	Weather	Haze
F17	21 Feb 2020	Visibility (mi)	12
F17	21 Feb 2020	Wind Speed (kts)	10
F17	21 Feb 2020	Wind Dir	SW
F17	21 Feb 2020	Water Color	Bluish-Green
F17	21 Feb 2020	Wave Ht Low (ft)	2
F17	21 Feb 2020	Wave Period (sec)	13
F17	21 Feb 2020	Sea State	Light chop
F17	21 Feb 2020	High Tide (ft)	5.61
F17	21 Feb 2020	High Tide Time	730
F17	21 Feb 2020	Low Tide (ft)	-0.9
F17	21 Feb 2020	Low Tide Time	1434
F17	21 Feb 2020	Comments	none
F18	21 Feb 2020	Depth (m)	81
F18	21 Feb 2020	Arrive Time	1052
F18	21 Feb 2020	Depart Time	1056
F18	21 Feb 2020	Air Temp (C)	13
F18	21 Feb 2020	Weather	Haze
F18	21 Feb 2020	Visibility (mi)	12
F18	21 Feb 2020	Wind Speed (kts)	6
F18	21 Feb 2020	Wind Dir	SW
F18	21 Feb 2020	Water Color	Bluish-Green
F18	21 Feb 2020	Wave Ht Low (ft)	2
F18	21 Feb 2020	Wave Period (sec)	13
F18	21 Feb 2020	Sea State	Calm
F18	21 Feb 2020	High Tide (ft)	5.61
F18	21 Feb 2020	High Tide Time	730
F18	21 Feb 2020	Low Tide (ft)	-0.9
F18	21 Feb 2020	Low Tide Time	1434
F18	21 Feb 2020	Comments	none

Station	Date	Parameter	Value
F19	21 Feb 2020	Depth (m)	85
F19	21 Feb 2020	Arrive Time	1036
F19	21 Feb 2020	Depart Time	1039
F19	21 Feb 2020	Air Temp (C)	13
F19	21 Feb 2020	Weather	Haze
F19	21 Feb 2020	Visibility (mi)	12
F19	21 Feb 2020	Wind Speed (kts)	7
F19	21 Feb 2020	Wind Dir	S
F19	21 Feb 2020	Water Color	Bluish-Green
F19	21 Feb 2020	Wave Ht Low (ft)	2
F19	21 Feb 2020	Wave Period (sec)	13
F19	21 Feb 2020	Sea State	Calm
F19	21 Feb 2020	High Tide (ft)	5.61
F19	21 Feb 2020	High Tide Time	730
F19	21 Feb 2020	Low Tide (ft)	-0.9
F19	21 Feb 2020	Low Tide Time	1434
F19	21 Feb 2020	Comments	none
F20	21 Feb 2020	Depth (m)	82
F20	21 Feb 2020	Arrive Time	1020
F20	21 Feb 2020	Depart Time	1023
F20	21 Feb 2020	Air Temp (C)	13
F20	21 Feb 2020	Weather	Haze
F20	21 Feb 2020	Visibility (mi)	12
F20	21 Feb 2020	Wind Speed (kts)	7
F20	21 Feb 2020	Wind Dir	SE
F20	21 Feb 2020	Water Color	Bluish-Green
F20	21 Feb 2020	Wave Ht Low (ft)	2
F20	21 Feb 2020	Wave Period (sec)	13
F20	21 Feb 2020	Sea State	Calm
F20	21 Feb 2020	High Tide (ft)	5.61
F20	21 Feb 2020	High Tide Time	730
F20	21 Feb 2020	Low Tide (ft)	-0.9
F20	21 Feb 2020	Low Tide Time	1434
F20	21 Feb 2020	Comments	none
F21	21 Feb 2020	Depth (m)	84
F21	21 Feb 2020	Arrive Time	1006
F21	21 Feb 2020	Depart Time	1009
F21	21 Feb 2020	Air Temp (C)	13
F21	21 Feb 2020	Weather	Haze
F21	21 Feb 2020	Visibility (mi)	12
F21	21 Feb 2020	Wind Speed (kts)	4
F21	21 Feb 2020	Wind Dir	SE
F21	21 Feb 2020	Water Color	Bluish-Green
F21	21 Feb 2020	Wave Ht Low (ft)	2
F21	21 Feb 2020	Wave Period (sec)	9
F21	21 Feb 2020	Sea State	Calm
F21	21 Feb 2020	High Tide (ft)	5.61
F21	21 Feb 2020	High Tide Time	730
F21	21 Feb 2020	Low Tide (ft)	-0.9
F21	21 Feb 2020	Low Tide Time	1434
F21	21 Feb 2020	Comments	none
F22	21 Feb 2020	Depth (m)	82

Station	Date	Parameter	Value
F22	21 Feb 2020	Arrive Time	946
F22	21 Feb 2020	Depart Time	949
F22	21 Feb 2020	Air Temp (C)	13
F22	21 Feb 2020	Weather	Haze
F22	21 Feb 2020	Visibility (mi)	12
F22	21 Feb 2020	Wind Speed (kts)	5
F22	21 Feb 2020	Wind Dir	S
F22	21 Feb 2020	Water Color	Bluish-Green
F22	21 Feb 2020	Wave Ht Low (ft)	2
F22	21 Feb 2020	Wave Period (sec)	9
F22	21 Feb 2020	Sea State	Calm
F22	21 Feb 2020	High Tide (ft)	5.61
F22	21 Feb 2020	High Tide Time	730
F22	21 Feb 2020	Low Tide (ft)	-0.9
F22	21 Feb 2020	Low Tide Time	1434
F22	21 Feb 2020	Comments	none
F24	21 Feb 2020	Depth (m)	85
F24	21 Feb 2020	Arrive Time	911
F24	21 Feb 2020	Depart Time	914
F24	21 Feb 2020	Air Temp (C)	13
F24	21 Feb 2020	Weather	Haze
F24	21 Feb 2020	Visibility (mi)	12
F24	21 Feb 2020	Wind Speed (kts)	6
F24	21 Feb 2020	Wind Dir	S
F24	21 Feb 2020	Water Color	Bluish-Green
F24	21 Feb 2020	Wave Ht Low (ft)	2
F24	21 Feb 2020	Wave Period (sec)	13
F24	21 Feb 2020	Sea State	Calm
F24	21 Feb 2020	High Tide (ft)	5.61
F24	21 Feb 2020	High Tide Time	730
F24	21 Feb 2020	Low Tide (ft)	-0.9
F24	21 Feb 2020	Low Tide Time	1434
F24	21 Feb 2020	Comments	none
F25	21 Feb 2020	Depth (m)	81
F25	21 Feb 2020	Arrive Time	856
F25	21 Feb 2020	Depart Time	901
F25	21 Feb 2020	Air Temp (C)	13
F25	21 Feb 2020	Weather	Haze
F25	21 Feb 2020	Visibility (mi)	12
F25	21 Feb 2020	Wind Speed (kts)	5
F25	21 Feb 2020	Wind Dir	SW
F25	21 Feb 2020	Water Color	Bluish-Green
F25	21 Feb 2020	Wave Ht Low (ft)	2
F25	21 Feb 2020	Wave Period (sec)	13
F25	21 Feb 2020	Sea State	Calm
F25	21 Feb 2020	High Tide (ft)	5.61
F25	21 Feb 2020	High Tide Time	730
F25	21 Feb 2020	Low Tide (ft)	-0.9
F25	21 Feb 2020	Low Tide Time	1434
F25	21 Feb 2020	Comments	none
F26	19 Feb 2020	Depth (m)	100
F26	19 Feb 2020	Arrive Time	1207

Station	Date	Parameter	Value
F26	19 Feb 2020	Depart Time	1215
F26	19 Feb 2020	Air Temp (C)	14
F26	19 Feb 2020	Weather	Partly Cloudy
F26	19 Feb 2020	Visibility (mi)	15
F26	19 Feb 2020	Wind Speed (kts)	5
F26	19 Feb 2020	Wind Dir	NW
F26	19 Feb 2020	Water Color	Blue
F26	19 Feb 2020	Wave Ht Low (ft)	2
F26	19 Feb 2020	Wave Period (sec)	13
F26	19 Feb 2020	Sea State	Calm
F26	19 Feb 2020	High Tide (ft)	5.33
F26	19 Feb 2020	High Tide Time	606
F26	19 Feb 2020	Low Tide (ft)	-0.76
F26	19 Feb 2020	Low Tide Time	1328
F26	19 Feb 2020	Comments	none
F27	19 Feb 2020	Depth (m)	101
F27	19 Feb 2020	Arrive Time	1151
F27	19 Feb 2020	Depart Time	1158
F27	19 Feb 2020	Air Temp (C)	14
F27	19 Feb 2020	Weather	Overcast
F27	19 Feb 2020	Visibility (mi)	10
F27	19 Feb 2020	Wind Speed (kts)	4
F27	19 Feb 2020	Wind Dir	NW
F27	19 Feb 2020	Water Color	Blue
F27	19 Feb 2020	Wave Ht Low (ft)	2
F27	19 Feb 2020	Wave Period (sec)	13
F27	19 Feb 2020	Sea State	Calm
F27	19 Feb 2020	High Tide (ft)	5.33
F27	19 Feb 2020	High Tide Time	606
F27	19 Feb 2020	Low Tide (ft)	-0.76
F27	19 Feb 2020	Low Tide Time	1328
F27	19 Feb 2020	Comments	none
F28	19 Feb 2020	Depth (m)	99
F28	19 Feb 2020	Arrive Time	1137
F28	19 Feb 2020	Depart Time	1143
F28	19 Feb 2020	Air Temp (C)	14
F28	19 Feb 2020	Weather	Overcast
F28	19 Feb 2020	Visibility (mi)	10
F28	19 Feb 2020	Wind Speed (kts)	2
F28	19 Feb 2020	Wind Dir	NW
F28	19 Feb 2020	Water Color	Blue
F28	19 Feb 2020	Wave Ht Low (ft)	2
F28	19 Feb 2020	Wave Period (sec)	13
F28	19 Feb 2020	Sea State	Calm
F28	19 Feb 2020	High Tide (ft)	5.33
F28	19 Feb 2020	High Tide Time	606
F28	19 Feb 2020	Low Tide (ft)	-0.76
F28	19 Feb 2020	Low Tide Time	1328
F28	19 Feb 2020	Comments	none
F29	19 Feb 2020	Depth (m)	98
F29	19 Feb 2020	Arrive Time	1120
F29	19 Feb 2020	Depart Time	1127

Station	Date	Parameter	Value
F29	19 Feb 2020	Air Temp (C)	14
F29	19 Feb 2020	Weather	Overcast
F29	19 Feb 2020	Visibility (mi)	10
F29	19 Feb 2020	Wind Speed (kts)	8
F29	19 Feb 2020	Wind Dir	NW
F29	19 Feb 2020	Water Color	Blue
F29	19 Feb 2020	Wave Ht Low (ft)	3
F29	19 Feb 2020	Wave Period (sec)	13
F29	19 Feb 2020	Sea State	Calm
F29	19 Feb 2020	High Tide (ft)	5.33
F29	19 Feb 2020	High Tide Time	606
F29	19 Feb 2020	Low Tide (ft)	-0.76
F29	19 Feb 2020	Low Tide Time	1328
F29	19 Feb 2020	Comments	none
F30	19 Feb 2020	Depth (m)	98
F30	19 Feb 2020	Arrive Time	1103
F30	19 Feb 2020	Depart Time	1109
F30	19 Feb 2020	Air Temp (C)	14
F30	19 Feb 2020	Weather	Overcast
F30	19 Feb 2020	Visibility (mi)	10
F30	19 Feb 2020	Wind Speed (kts)	1
F30	19 Feb 2020	Wind Dir	N
F30	19 Feb 2020	Water Color	Blue
F30	19 Feb 2020	Wave Ht Low (ft)	3
F30	19 Feb 2020	Wave Period (sec)	13
F30	19 Feb 2020	Sea State	Calm
F30	19 Feb 2020	High Tide (ft)	5.33
F30	19 Feb 2020	High Tide Time	606
F30	19 Feb 2020	Low Tide (ft)	-0.76
F30	19 Feb 2020	Low Tide Time	1328
F30	19 Feb 2020	Comments	none
F31	19 Feb 2020	Depth (m)	98
F31	19 Feb 2020	Arrive Time	1042
F31	19 Feb 2020	Depart Time	1054
F31	19 Feb 2020	Air Temp (C)	14
F31	19 Feb 2020	Weather	Overcast
F31	19 Feb 2020	Visibility (mi)	10
F31	19 Feb 2020	Wind Speed (kts)	4
F31	19 Feb 2020	Wind Dir	N
F31	19 Feb 2020	Water Color	Blue
F31	19 Feb 2020	Wave Ht Low (ft)	3
F31	19 Feb 2020	Wave Period (sec)	13
F31	19 Feb 2020	Sea State	Calm
F31	19 Feb 2020	High Tide (ft)	5.33
F31	19 Feb 2020	High Tide Time	606
F31	19 Feb 2020	Low Tide (ft)	-0.76
F31	19 Feb 2020	Low Tide Time	1328
F31	19 Feb 2020	Comments	none
F32	19 Feb 2020	Depth (m)	101
F32	19 Feb 2020	Arrive Time	1023
F32	19 Feb 2020	Depart Time	1031
F32	19 Feb 2020	Air Temp (C)	14

Station	Date	Parameter	Value
F32	19 Feb 2020	Weather	Overcast
F32	19 Feb 2020	Visibility (mi)	10
F32	19 Feb 2020	Wind Speed (kts)	5
F32	19 Feb 2020	Wind Dir	N
F32	19 Feb 2020	Water Color	Blue
F32	19 Feb 2020	Wave Ht Low (ft)	3
F32	19 Feb 2020	Wave Period (sec)	13
F32	19 Feb 2020	Sea State	Calm
F32	19 Feb 2020	High Tide (ft)	5.33
F32	19 Feb 2020	High Tide Time	606
F32	19 Feb 2020	Low Tide (ft)	-0.76
F32	19 Feb 2020	Low Tide Time	1328
F32	19 Feb 2020	Comments	none
F33	19 Feb 2020	Depth (m)	101
F33	19 Feb 2020	Arrive Time	1006
F33	19 Feb 2020	Depart Time	1013
F33	19 Feb 2020	Air Temp (C)	14
F33	19 Feb 2020	Weather	Overcast
F33	19 Feb 2020	Visibility (mi)	10
F33	19 Feb 2020	Wind Speed (kts)	4
F33	19 Feb 2020	Wind Dir	N
F33	19 Feb 2020	Water Color	Blue
F33	19 Feb 2020	Wave Ht Low (ft)	3
F33	19 Feb 2020	Wave Period (sec)	13
F33	19 Feb 2020	Sea State	Calm
F33	19 Feb 2020	High Tide (ft)	5.33
F33	19 Feb 2020	High Tide Time	606
F33	19 Feb 2020	Low Tide (ft)	-0.76
F33	19 Feb 2020	Low Tide Time	1328
F33	19 Feb 2020	Comments	none
F34	19 Feb 2020	Depth (m)	100
F34	19 Feb 2020	Arrive Time	948
F34	19 Feb 2020	Depart Time	956
F34	19 Feb 2020	Air Temp (C)	14
F34	19 Feb 2020	Weather	Overcast
F34	19 Feb 2020	Visibility (mi)	10
F34	19 Feb 2020	Wind Speed (kts)	4
F34	19 Feb 2020	Wind Dir	NW
F34	19 Feb 2020	Water Color	Blue
F34	19 Feb 2020	Wave Ht Low (ft)	3
F34	19 Feb 2020	Wave Period (sec)	13
F34	19 Feb 2020	Sea State	Calm
F34	19 Feb 2020	High Tide (ft)	5.33
F34	19 Feb 2020	High Tide Time	606
F34	19 Feb 2020	Low Tide (ft)	-0.76
F34	19 Feb 2020	Low Tide Time	1328
F34	19 Feb 2020	Comments	none
F35	19 Feb 2020	Depth (m)	99
F35	19 Feb 2020	Arrive Time	925
F35	19 Feb 2020	Depart Time	934
F35	19 Feb 2020	Air Temp (C)	14
F35	19 Feb 2020	Weather	Overcast

Station	Date	Parameter	Value
F35	19 Feb 2020	Visibility (mi)	10
F35	19 Feb 2020	Wind Speed (kts)	8
F35	19 Feb 2020	Wind Dir	NW
F35	19 Feb 2020	Water Color	Blue
F35	19 Feb 2020	Wave Ht Low (ft)	3
F35	19 Feb 2020	Wave Period (sec)	13
F35	19 Feb 2020	Sea State	Calm
F35	19 Feb 2020	High Tide (ft)	5.33
F35	19 Feb 2020	High Tide Time	606
F35	19 Feb 2020	Low Tide (ft)	-0.76
F35	19 Feb 2020	Low Tide Time	1328
F35	19 Feb 2020	Comments	
F36	19 Feb 2020	Depth (m)	100
F36	19 Feb 2020	Arrive Time	906
F36	19 Feb 2020	Depart Time	917
F36	19 Feb 2020	Air Temp (C)	14
F36	19 Feb 2020	Weather	Overcast
F36	19 Feb 2020	Visibility (mi)	8
F36	19 Feb 2020	Wind Speed (kts)	4
F36	19 Feb 2020	Wind Dir	W
F36	19 Feb 2020	Water Color	Blue
F36	19 Feb 2020	Wave Ht Low (ft)	3
F36	19 Feb 2020	Wave Period (sec)	13
F36	19 Feb 2020	Sea State	Calm
F36	19 Feb 2020	High Tide (ft)	5.33
F36	19 Feb 2020	High Tide Time	606
F36	19 Feb 2020	Low Tide (ft)	-0.76
F36	19 Feb 2020	Low Tide Time	1328
F36	19 Feb 2020	Comments	none

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F01	20 Feb 2020	1	15.00	81.54	7.9	33.50	8.0	24.8	0.90
F01	20 Feb 2020	2	14.98	81.47	7.9	33.51	8.0	24.8	0.90
F01	20 Feb 2020	3	14.97	81.39	7.9	33.50	8.0	24.8	0.93
F01	20 Feb 2020	4	14.96	81.42	7.8	33.51	8.0	24.8	0.99
F01	20 Feb 2020	5	14.92	81.38	7.8	33.51	8.0	24.8	1.08
F01	20 Feb 2020	6	14.89	81.44	7.8	33.51	8.0	24.8	1.23
F01	20 Feb 2020	7	14.85	81.53	7.8	33.51	8.0	24.9	1.35
F01	20 Feb 2020	8	14.80	81.55	7.7	33.51	8.0	24.9	1.49
F01	20 Feb 2020	9	14.76	81.55	7.8	33.51	8.0	24.9	1.70
F01	20 Feb 2020	10	14.75	81.59	7.8	33.51	8.0	24.9	1.92
F01	20 Feb 2020	11	14.73	81.64	7.7	33.51	8.0	24.9	2.10
F01	20 Feb 2020	12	14.73	81.76	7.8	33.51	8.0	24.9	2.22
F01	20 Feb 2020	13	14.71	81.92	7.7	33.51	8.0	24.9	2.33
F01	20 Feb 2020	14	14.64	82.40	7.6	33.52	8.0	24.9	2.26
F01	20 Feb 2020	15	14.46	83.89	7.4	33.55	8.0	25.0	2.18
F01	20 Feb 2020	16	14.06	86.77	7.2	33.59	8.0	25.1	2.16
F01	20 Feb 2020	17	13.52	88.26	7.0	33.58	7.9	25.2	1.97
F01	20 Feb 2020	18	13.43	89.17	6.8	33.54	7.9	25.2	1.61
F01	20 Feb 2020	19	13.41	89.39	6.8	33.53	7.9	25.2	1.33
F01	20 Feb 2020	20	13.50	87.31	6.8	33.52	7.9	25.1	1.22
F02	20 Feb 2020	1	15.48	86.91	8.2	33.52	8.0	24.7	0.76
F02	20 Feb 2020	2	15.48	86.91	8.2	33.52	8.0	24.7	0.75
F02	20 Feb 2020	3	15.47	86.84	8.2	33.52	8.0	24.7	0.74
F02	20 Feb 2020	4	15.47	86.80	8.2	33.52	8.0	24.7	0.76
F02	20 Feb 2020	5	15.45	86.71	8.1	33.52	8.0	24.7	0.84
F02	20 Feb 2020	6	15.41	86.64	8.1	33.52	8.0	24.7	0.90
F02	20 Feb 2020	7	15.36	86.63	8.1	33.53	8.0	24.8	1.00
F02	20 Feb 2020	8	15.06	86.63	8.0	33.56	8.0	24.9	1.11
F02	20 Feb 2020	9	14.94	86.34	7.9	33.54	8.0	24.9	1.27
F02	20 Feb 2020	10	14.85	86.27	7.8	33.54	8.0	24.9	1.51
F02	20 Feb 2020	11	14.71	86.47	7.7	33.55	8.0	24.9	1.72
F02	20 Feb 2020	12	14.51	86.89	7.6	33.55	8.0	25.0	1.68
F02	20 Feb 2020	13	14.39	87.47	7.5	33.54	8.0	25.0	1.76
F02	20 Feb 2020	14	14.32	88.04	7.4	33.54	7.9	25.0	1.75
F02	20 Feb 2020	15	14.19	88.40	7.3	33.55	7.9	25.0	1.74
F02	20 Feb 2020	16	14.01	88.61	7.2	33.55	7.9	25.1	1.64
F02	20 Feb 2020	17	13.90	88.85	7.0	33.55	7.9	25.1	1.56
F02	20 Feb 2020	18	13.81	88.97	6.9	33.55	7.9	25.1	1.72
F02	20 Feb 2020	19	13.74	88.99	6.8	33.55	7.9	25.1	1.44
F02	20 Feb 2020	20	13.44	88.85	6.6	33.60	7.9	25.2	1.32
F02	20 Feb 2020	21	13.34	88.29	6.4	33.54	7.9	25.2	1.19
F03	20 Feb 2020	1	15.36	86.91	8.2	33.51	8.0	24.7	0.69
F03	20 Feb 2020	2	15.37	86.96	8.2	33.52	8.0	24.7	0.61
F03	20 Feb 2020	3	15.32	86.95	8.2	33.53	8.0	24.8	0.61
F03	20 Feb 2020	4	15.14	86.40	8.1	33.53	8.0	24.8	0.65
F03	20 Feb 2020	5	15.05	85.23	7.9	33.53	8.0	24.8	0.81
F03	20 Feb 2020	6	14.71	84.51	7.7	33.58	8.0	24.9	0.98
F03	20 Feb 2020	7	14.48	84.39	7.5	33.57	8.0	25.0	1.17
F03	20 Feb 2020	8	14.22	84.93	7.3	33.57	8.0	25.0	1.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	20 Feb 2020	9	14.12	85.75	7.2	33.55	7.9	25.0	1.39
F03	20 Feb 2020	10	14.07	86.18	7.1	33.55	7.9	25.0	1.38
F03	20 Feb 2020	11	14.01	86.48	7.0	33.55	7.9	25.1	1.37
F03	20 Feb 2020	12	13.80	86.82	6.9	33.58	7.9	25.1	1.55
F03	20 Feb 2020	13	13.72	87.11	6.8	33.56	7.9	25.1	1.44
F03	20 Feb 2020	14	13.67	87.35	6.7	33.56	7.9	25.1	1.41
F03	20 Feb 2020	15	13.61	87.44	6.6	33.56	7.9	25.2	1.46
F03	20 Feb 2020	16	13.60	87.38	6.6	33.56	7.9	25.2	1.41
F03	20 Feb 2020	17	13.56	87.37	6.6	33.56	7.9	25.2	1.49
F03	20 Feb 2020	18	13.55	87.42	6.6	33.55	7.9	25.2	1.37
F03	20 Feb 2020	19	13.53	87.34	6.5	33.56	7.9	25.2	1.29
F03	20 Feb 2020	20	13.52	87.36	6.5	33.55	7.9	25.2	1.30
F04	20 Feb 2020	1	15.63	90.74	7.3	33.40	8.0	24.6	0.32
F04	20 Feb 2020	2	15.62	90.86	7.6	33.50	8.0	24.7	0.34
F04	20 Feb 2020	3	15.57	90.79	7.5	33.50	8.0	24.7	0.30
F04	20 Feb 2020	4	15.58	90.85	7.7	33.49	8.0	24.7	0.25
F04	20 Feb 2020	5	15.59	90.84	7.8	33.49	8.0	24.7	0.23
F04	20 Feb 2020	6	15.60	90.90	7.8	33.49	8.0	24.7	0.23
F04	20 Feb 2020	7	15.58	90.91	7.8	33.50	8.0	24.7	0.22
F04	20 Feb 2020	8	15.58	90.87	7.8	33.49	8.0	24.7	0.23
F04	20 Feb 2020	9	15.54	90.84	7.8	33.51	8.0	24.7	0.23
F04	20 Feb 2020	10	15.53	90.80	7.8	33.50	8.0	24.7	0.23
F04	20 Feb 2020	11	15.53	90.79	7.8	33.50	8.0	24.7	0.24
F04	20 Feb 2020	12	15.52	90.79	7.8	33.50	8.0	24.7	0.24
F04	20 Feb 2020	13	15.52	90.79	7.8	33.50	8.0	24.7	0.25
F04	20 Feb 2020	14	15.52	90.76	7.8	33.50	8.0	24.7	0.26
F04	20 Feb 2020	15	15.52	90.77	7.7	33.50	8.0	24.7	0.28
F04	20 Feb 2020	16	15.52	90.77	7.8	33.50	8.0	24.7	0.28
F04	20 Feb 2020	17	15.51	90.81	7.9	33.50	8.0	24.7	0.29
F04	20 Feb 2020	18	15.50	90.76	7.9	33.50	8.0	24.7	0.30
F04	20 Feb 2020	19	15.42	90.74	7.8	33.52	8.0	24.7	0.31
F04	20 Feb 2020	20	15.12	90.68	7.8	33.55	8.0	24.8	0.32
F04	20 Feb 2020	21	14.92	90.41	7.9	33.53	8.0	24.9	0.35
F04	20 Feb 2020	22	14.81	89.82	7.8	33.50	8.0	24.9	0.42
F04	20 Feb 2020	23	14.78	89.23	7.8	33.49	8.0	24.9	0.56
F04	20 Feb 2020	24	14.74	88.93	7.8	33.50	8.0	24.9	0.77
F04	20 Feb 2020	25	14.66	88.72	7.7	33.49	8.0	24.9	0.88
F04	20 Feb 2020	26	14.61	88.60	7.8	33.49	8.0	24.9	1.07
F04	20 Feb 2020	27	14.51	88.39	7.7	33.51	8.0	24.9	1.19
F04	20 Feb 2020	28	14.13	88.39	7.6	33.52	8.0	25.0	1.38
F04	20 Feb 2020	29	13.99	88.78	7.6	33.47	8.0	25.0	1.53
F04	20 Feb 2020	30	13.79	89.49	7.5	33.47	8.0	25.1	1.75
F04	20 Feb 2020	31	13.73	90.06	7.4	33.46	8.0	25.1	1.68
F04	20 Feb 2020	32	13.71	90.23	7.4	33.45	8.0	25.1	1.77
F04	20 Feb 2020	33	13.65	90.30	7.3	33.46	8.0	25.1	1.69
F04	20 Feb 2020	34	13.55	90.41	7.3	33.48	8.0	25.1	1.50
F04	20 Feb 2020	35	13.41	90.68	7.2	33.48	8.0	25.1	1.39
F04	20 Feb 2020	36	13.32	90.99	7.2	33.48	8.0	25.1	1.62
F04	20 Feb 2020	37	13.29	91.14	7.2	33.47	8.0	25.1	1.27
F04	20 Feb 2020	38	13.29	91.09	7.2	33.47	8.0	25.1	1.26
F04	20 Feb 2020	39	13.27	91.16	7.1	33.47	8.0	25.1	1.25
F04	20 Feb 2020	40	13.23	91.22	7.1	33.47	7.9	25.2	1.21
F04	20 Feb 2020	41	13.22	91.25	7.1	33.47	7.9	25.2	1.14
F04	20 Feb 2020	42	13.18	91.26	7.0	33.47	7.9	25.2	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	20 Feb 2020	43	13.18	91.28	7.0	33.47	7.9	25.2	1.19
F04	20 Feb 2020	44	13.19	91.29	7.0	33.47	7.9	25.2	1.17
F04	20 Feb 2020	45	13.18	91.27	7.0	33.47	7.9	25.2	1.07
F04	20 Feb 2020	46	13.18	91.29	7.0	33.47	7.9	25.2	1.13
F04	20 Feb 2020	47	13.16	91.28	7.0	33.48	7.9	25.2	1.11
F04	20 Feb 2020	48	13.14	91.30	7.0	33.48	7.9	25.2	1.17
F04	20 Feb 2020	49	13.13	91.31	6.9	33.48	7.9	25.2	1.13
F04	20 Feb 2020	50	13.08	91.30	6.8	33.49	7.9	25.2	1.22
F04	20 Feb 2020	51	13.03	91.27	6.8	33.50	7.9	25.2	1.17
F04	20 Feb 2020	52	13.01	91.17	6.8	33.50	7.9	25.2	1.10
F04	20 Feb 2020	53	12.99	91.20	6.7	33.51	7.9	25.2	1.12
F04	20 Feb 2020	54	12.98	91.08	6.6	33.51	7.9	25.2	1.11
F04	20 Feb 2020	55	12.94	90.81	6.6	33.52	7.9	25.3	1.10
F04	20 Feb 2020	56	12.92	90.53	6.5	33.53	7.9	25.3	1.09
F04	20 Feb 2020	57	12.90	90.48	6.4	33.53	7.9	25.3	1.09
F04	20 Feb 2020	58	12.89	90.51	6.4	33.53	7.9	25.3	1.05
F04	20 Feb 2020	59	12.88	90.43	6.4	33.53	7.9	25.3	1.20
F04	20 Feb 2020	60	12.89	85.16	6.4	33.53	7.9	25.3	1.03
F05	20 Feb 2020	1	15.62	90.91	7.9	33.50	8.0	24.7	0.22
F05	20 Feb 2020	2	15.62	90.87	7.9	33.50	8.0	24.7	0.23
F05	20 Feb 2020	3	15.62	90.93	8.0	33.51	8.0	24.7	0.22
F05	20 Feb 2020	4	15.61	90.91	8.0	33.51	8.0	24.7	0.22
F05	20 Feb 2020	5	15.60	90.92	8.0	33.51	8.0	24.7	0.22
F05	20 Feb 2020	6	15.59	90.92	7.9	33.51	8.0	24.7	0.22
F05	20 Feb 2020	7	15.59	90.90	7.9	33.51	8.0	24.7	0.25
F05	20 Feb 2020	8	15.58	90.88	7.9	33.51	8.0	24.7	0.25
F05	20 Feb 2020	9	15.56	90.84	7.9	33.51	8.0	24.7	0.25
F05	20 Feb 2020	10	15.55	90.82	7.9	33.51	8.0	24.7	0.25
F05	20 Feb 2020	11	15.55	90.80	7.9	33.51	8.0	24.7	0.27
F05	20 Feb 2020	12	15.53	90.77	7.9	33.51	8.0	24.7	0.28
F05	20 Feb 2020	13	15.53	90.83	8.0	33.50	8.0	24.7	0.29
F05	20 Feb 2020	14	15.51	90.83	7.9	33.51	8.0	24.7	0.28
F05	20 Feb 2020	15	15.50	90.79	7.9	33.50	8.0	24.7	0.29
F05	20 Feb 2020	16	15.49	90.77	7.9	33.50	8.0	24.7	0.32
F05	20 Feb 2020	17	15.45	90.75	7.9	33.51	8.0	24.7	0.33
F05	20 Feb 2020	18	15.42	90.62	7.9	33.50	8.0	24.7	0.37
F05	20 Feb 2020	19	15.38	90.43	8.0	33.50	8.0	24.7	0.37
F05	20 Feb 2020	20	15.29	90.18	7.9	33.51	8.0	24.8	0.43
F05	20 Feb 2020	21	15.14	89.93	7.8	33.52	8.0	24.8	0.49
F05	20 Feb 2020	22	15.11	89.50	7.8	33.51	8.0	24.8	0.57
F05	20 Feb 2020	23	15.07	89.20	8.0	33.51	8.0	24.8	0.69
F05	20 Feb 2020	24	15.02	89.03	7.9	33.51	8.0	24.8	0.83
F05	20 Feb 2020	25	14.92	88.78	7.9	33.52	8.0	24.9	0.95
F05	20 Feb 2020	26	14.86	88.40	7.9	33.51	8.0	24.9	1.16
F05	20 Feb 2020	27	14.81	88.20	7.8	33.52	8.0	24.9	1.36
F05	20 Feb 2020	28	14.74	87.99	7.8	33.51	8.0	24.9	1.47
F05	20 Feb 2020	29	14.69	87.67	7.8	33.51	8.0	24.9	1.69
F05	20 Feb 2020	30	14.63	87.60	7.7	33.52	8.0	24.9	1.91
F05	20 Feb 2020	31	14.53	87.71	7.7	33.52	8.0	24.9	1.98
F05	20 Feb 2020	32	14.39	87.93	7.6	33.53	8.0	25.0	2.14
F05	20 Feb 2020	33	14.15	88.48	7.5	33.52	8.0	25.0	2.19
F05	20 Feb 2020	34	14.02	89.21	7.4	33.50	8.0	25.0	2.27
F05	20 Feb 2020	35	13.96	89.54	7.4	33.49	8.0	25.0	2.08
F05	20 Feb 2020	36	13.91	89.65	7.4	33.49	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)
F05	20 Feb 2020	37	13.87	89.75	7.4	33.48	8.0	25.0	1.94
F05	20 Feb 2020	38	13.82	89.84	7.4	33.48	8.0	25.1	1.91
F05	20 Feb 2020	39	13.79	90.00	7.4	33.48	8.0	25.1	1.89
F05	20 Feb 2020	40	13.74	90.04	7.3	33.48	8.0	25.1	1.78
F05	20 Feb 2020	41	13.66	90.13	7.2	33.49	8.0	25.1	1.85
F05	20 Feb 2020	42	13.57	90.22	7.2	33.48	8.0	25.1	1.71
F05	20 Feb 2020	43	13.47	90.51	7.2	33.49	8.0	25.1	1.77
F05	20 Feb 2020	44	13.26	90.79	7.2	33.48	7.9	25.2	1.57
F05	20 Feb 2020	45	13.22	90.98	7.1	33.46	7.9	25.2	1.52
F05	20 Feb 2020	46	13.20	91.09	7.1	33.46	7.9	25.2	1.45
F05	20 Feb 2020	47	13.19	91.15	7.1	33.46	7.9	25.2	1.38
F05	20 Feb 2020	48	13.16	91.16	7.1	33.46	7.9	25.2	1.25
F05	20 Feb 2020	49	13.12	91.18	7.0	33.47	7.9	25.2	1.17
F05	20 Feb 2020	50	13.09	91.32	6.9	33.48	7.9	25.2	1.20
F05	20 Feb 2020	51	12.99	91.34	6.9	33.50	7.9	25.2	1.18
F05	20 Feb 2020	52	12.94	91.35	6.8	33.51	7.9	25.2	1.12
F05	20 Feb 2020	53	12.94	91.26	6.7	33.51	7.9	25.2	1.04
F05	20 Feb 2020	54	12.94	91.18	6.6	33.51	7.9	25.3	1.03
F05	20 Feb 2020	55	12.91	90.91	6.5	33.53	7.9	25.3	1.09
F05	20 Feb 2020	56	12.87	90.43	6.4	33.54	7.9	25.3	1.06
F05	20 Feb 2020	57	12.86	90.11	6.4	33.54	7.9	25.3	1.16
F05	20 Feb 2020	58	12.85	90.01	6.3	33.54	7.9	25.3	1.04
F05	20 Feb 2020	59	12.84	89.88	6.3	33.54	7.9	25.3	0.99
F05	20 Feb 2020	60	12.81	89.72	6.3	33.55	7.9	25.3	0.97
F05	20 Feb 2020	61	12.79	88.90	6.2	33.55	7.9	25.3	0.95
F06	20 Feb 2020	1	15.52	89.18	8.0	33.51	8.0	24.7	0.28
F06	20 Feb 2020	2	15.52	89.75	8.0	33.51	8.0	24.7	0.28
F06	20 Feb 2020	3	15.50	89.77	8.0	33.51	8.0	24.7	0.27
F06	20 Feb 2020	4	15.50	89.70	8.0	33.51	8.0	24.7	0.28
F06	20 Feb 2020	5	15.50	89.75	8.0	33.51	8.0	24.7	0.29
F06	20 Feb 2020	6	15.49	89.74	8.0	33.51	8.0	24.7	0.31
F06	20 Feb 2020	7	15.47	89.75	8.0	33.51	8.0	24.7	0.32
F06	20 Feb 2020	8	15.46	89.73	8.0	33.51	8.0	24.7	0.36
F06	20 Feb 2020	9	15.45	89.72	8.0	33.51	8.0	24.7	0.36
F06	20 Feb 2020	10	15.43	89.71	8.0	33.51	8.0	24.7	0.34
F06	20 Feb 2020	11	15.42	89.76	8.0	33.51	8.0	24.7	0.36
F06	20 Feb 2020	12	15.43	89.72	8.0	33.51	8.0	24.7	0.40
F06	20 Feb 2020	13	15.40	89.60	8.0	33.51	8.0	24.7	0.41
F06	20 Feb 2020	14	15.39	89.83	8.0	33.50	8.0	24.7	0.40
F06	20 Feb 2020	15	15.38	89.88	8.0	33.50	8.0	24.7	0.42
F06	20 Feb 2020	16	15.38	89.87	8.0	33.50	8.0	24.7	0.45
F06	20 Feb 2020	17	15.36	89.87	8.0	33.50	8.0	24.7	0.47
F06	20 Feb 2020	18	15.33	89.96	8.0	33.50	8.0	24.7	0.49
F06	20 Feb 2020	19	15.30	90.05	8.0	33.50	8.0	24.8	0.52
F06	20 Feb 2020	20	15.28	90.07	8.0	33.50	8.0	24.8	0.52
F06	20 Feb 2020	21	15.26	89.93	8.0	33.50	8.0	24.8	0.57
F06	20 Feb 2020	22	15.24	89.80	8.0	33.50	8.0	24.8	0.64
F06	20 Feb 2020	23	15.14	89.63	7.9	33.51	8.0	24.8	0.68
F06	20 Feb 2020	24	15.10	89.23	8.0	33.50	8.0	24.8	0.80
F06	20 Feb 2020	25	15.07	89.14	7.9	33.51	8.0	24.8	0.95
F06	20 Feb 2020	26	15.01	88.72	7.9	33.51	8.0	24.8	1.06
F06	20 Feb 2020	27	15.02	88.70	7.9	33.51	8.0	24.8	1.21
F06	20 Feb 2020	28	14.94	88.56	7.8	33.52	8.0	24.8	1.35
F06	20 Feb 2020	29	14.89	87.93	7.9	33.52	8.0	24.9	1.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F06	20 Feb 2020	30	14.84	87.79	7.8	33.52	8.0	24.9	1.69
F06	20 Feb 2020	31	14.75	87.62	7.8	33.53	8.0	24.9	1.81
F06	20 Feb 2020	32	14.68	87.55	7.8	33.53	8.0	24.9	1.99
F06	20 Feb 2020	33	14.61	87.34	7.7	33.52	8.0	24.9	2.19
F06	20 Feb 2020	34	14.48	87.24	7.6	33.53	8.0	25.0	2.31
F06	20 Feb 2020	35	14.41	87.76	7.5	33.53	8.0	25.0	2.44
F06	20 Feb 2020	36	14.19	88.40	7.4	33.54	8.0	25.0	2.42
F06	20 Feb 2020	37	14.06	89.02	7.3	33.52	8.0	25.0	2.39
F06	20 Feb 2020	38	14.04	89.37	7.3	33.51	8.0	25.0	2.23
F06	20 Feb 2020	39	13.91	89.44	7.2	33.51	8.0	25.1	1.97
F06	20 Feb 2020	40	13.88	89.68	7.2	33.50	8.0	25.1	1.95
F06	20 Feb 2020	41	13.74	89.96	7.2	33.51	8.0	25.1	1.98
F06	20 Feb 2020	42	13.59	90.02	7.1	33.50	7.9	25.1	1.77
F06	20 Feb 2020	43	13.46	90.40	7.0	33.51	7.9	25.1	1.64
F06	20 Feb 2020	44	13.20	90.66	7.0	33.49	7.9	25.2	1.58
F06	20 Feb 2020	45	13.18	90.86	7.0	33.48	7.9	25.2	1.49
F06	20 Feb 2020	46	13.15	90.92	7.0	33.48	7.9	25.2	1.38
F06	20 Feb 2020	47	13.11	91.01	7.0	33.48	7.9	25.2	1.23
F06	20 Feb 2020	48	13.06	91.01	6.9	33.48	7.9	25.2	1.29
F06	20 Feb 2020	49	13.02	91.10	6.8	33.49	7.9	25.2	1.21
F06	20 Feb 2020	50	13.01	91.11	6.8	33.49	7.9	25.2	1.16
F06	20 Feb 2020	51	13.01	91.03	6.8	33.49	7.9	25.2	1.11
F06	20 Feb 2020	52	12.95	91.12	6.7	33.51	7.9	25.2	1.10
F06	20 Feb 2020	53	12.90	91.22	6.6	33.52	7.9	25.3	1.07
F06	20 Feb 2020	54	12.88	91.27	6.6	33.52	7.9	25.3	1.06
F06	20 Feb 2020	55	12.87	91.24	6.5	33.52	7.9	25.3	1.05
F06	20 Feb 2020	56	12.86	91.11	6.4	33.53	7.9	25.3	0.98
F06	20 Feb 2020	57	12.85	90.65	6.4	33.54	7.9	25.3	0.96
F06	20 Feb 2020	58	12.81	90.07	6.3	33.55	7.9	25.3	0.96
F06	20 Feb 2020	59	12.79	89.77	6.2	33.55	7.9	25.3	0.96
F06	20 Feb 2020	60	12.78	89.54	6.2	33.55	7.9	25.3	0.91
F06	20 Feb 2020	61	12.75	89.25	6.2	33.56	7.9	25.3	0.90
F06	20 Feb 2020	62	12.79	87.24	6.2	33.55	7.9	25.3	0.93
F07	20 Feb 2020	1	15.55	86.28	8.1	33.51	8.0	24.7	0.47
F07	20 Feb 2020	2	15.53	87.18	8.1	33.51	8.0	24.7	0.47
F07	20 Feb 2020	3	15.52	87.24	8.1	33.51	8.0	24.7	0.48
F07	20 Feb 2020	4	15.51	87.38	8.1	33.51	8.0	24.7	0.48
F07	20 Feb 2020	5	15.50	87.43	8.1	33.51	8.0	24.7	0.51
F07	20 Feb 2020	6	15.48	87.55	8.1	33.52	8.0	24.7	0.51
F07	20 Feb 2020	7	15.46	87.93	8.1	33.52	8.0	24.7	0.52
F07	20 Feb 2020	8	15.44	88.56	8.1	33.52	8.0	24.7	0.51
F07	20 Feb 2020	9	15.42	89.04	8.0	33.52	8.0	24.7	0.50
F07	20 Feb 2020	10	15.41	89.30	8.0	33.51	8.0	24.7	0.50
F07	20 Feb 2020	11	15.39	89.47	8.0	33.51	8.0	24.7	0.48
F07	20 Feb 2020	12	15.32	89.83	8.0	33.51	8.0	24.8	0.47
F07	20 Feb 2020	13	15.29	90.08	8.0	33.50	8.0	24.8	0.47
F07	20 Feb 2020	14	15.29	90.12	8.0	33.50	8.0	24.8	0.46
F07	20 Feb 2020	15	15.28	90.06	8.0	33.50	8.0	24.8	0.48
F07	20 Feb 2020	16	15.28	90.01	7.9	33.50	8.0	24.8	0.50
F07	20 Feb 2020	17	15.27	89.88	7.9	33.50	8.0	24.8	0.52
F07	20 Feb 2020	18	15.17	89.65	8.0	33.53	8.0	24.8	0.59
F07	20 Feb 2020	19	15.05	88.65	8.0	33.52	8.0	24.8	0.68
F07	20 Feb 2020	20	15.02	88.35	8.0	33.52	8.0	24.8	0.88
F07	20 Feb 2020	21	15.02	88.19	8.0	33.51	8.0	24.8	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	20 Feb 2020	22	15.01	88.20	7.9	33.51	8.0	24.8	1.24
F07	20 Feb 2020	23	15.00	88.11	7.8	33.51	8.0	24.8	1.36
F07	20 Feb 2020	24	14.95	88.17	7.8	33.52	8.0	24.8	1.42
F07	20 Feb 2020	25	14.85	87.86	7.9	33.52	8.0	24.9	1.53
F07	20 Feb 2020	26	14.82	87.73	7.8	33.52	8.0	24.9	1.76
F07	20 Feb 2020	27	14.71	87.47	7.8	33.53	8.0	24.9	1.99
F07	20 Feb 2020	28	14.61	87.37	7.7	33.54	8.0	24.9	2.15
F07	20 Feb 2020	29	14.38	87.74	7.5	33.55	8.0	25.0	2.14
F07	20 Feb 2020	30	14.27	88.50	7.4	33.53	8.0	25.0	2.20
F07	20 Feb 2020	31	14.16	88.94	7.3	33.54	8.0	25.0	2.15
F07	20 Feb 2020	32	14.04	89.24	7.3	33.53	8.0	25.0	2.17
F07	20 Feb 2020	33	13.96	89.41	7.2	33.52	8.0	25.1	2.09
F07	20 Feb 2020	34	13.92	89.44	7.2	33.52	8.0	25.1	1.93
F07	20 Feb 2020	35	13.89	89.52	7.2	33.52	8.0	25.1	1.85
F07	20 Feb 2020	36	13.88	89.48	7.1	33.51	8.0	25.1	1.80
F07	20 Feb 2020	37	13.83	89.63	7.1	33.52	8.0	25.1	1.90
F07	20 Feb 2020	38	13.78	89.73	7.1	33.51	8.0	25.1	1.76
F07	20 Feb 2020	39	13.73	89.74	7.1	33.52	8.0	25.1	1.75
F07	20 Feb 2020	40	13.67	89.87	7.0	33.51	7.9	25.1	1.69
F07	20 Feb 2020	41	13.57	89.90	6.9	33.52	7.9	25.1	1.54
F07	20 Feb 2020	42	13.40	90.10	6.9	33.52	7.9	25.2	1.72
F07	20 Feb 2020	43	13.32	90.33	6.9	33.51	7.9	25.2	1.61
F07	20 Feb 2020	44	13.18	90.58	6.8	33.51	7.9	25.2	1.41
F07	20 Feb 2020	45	13.07	90.84	6.8	33.50	7.9	25.2	1.50
F07	20 Feb 2020	46	13.03	91.05	6.8	33.50	7.9	25.2	1.28
F07	20 Feb 2020	47	12.99	91.16	6.8	33.50	7.9	25.2	1.36
F07	20 Feb 2020	48	12.93	91.32	6.7	33.51	7.9	25.3	1.24
F07	20 Feb 2020	49	12.92	91.30	6.7	33.51	7.9	25.3	1.09
F07	20 Feb 2020	50	12.89	91.27	6.6	33.52	7.9	25.3	1.05
F07	20 Feb 2020	51	12.87	91.14	6.5	33.53	7.9	25.3	1.02
F07	20 Feb 2020	52	12.86	91.03	6.4	33.53	7.9	25.3	0.96
F07	20 Feb 2020	53	12.84	90.97	6.3	33.53	7.9	25.3	0.98
F07	20 Feb 2020	54	12.84	90.87	6.4	33.54	7.9	25.3	0.97
F07	20 Feb 2020	55	12.84	90.87	6.3	33.54	7.9	25.3	0.96
F07	20 Feb 2020	56	12.84	90.73	6.3	33.54	7.9	25.3	0.94
F07	20 Feb 2020	57	12.83	90.57	6.3	33.54	7.9	25.3	0.94
F07	20 Feb 2020	58	12.82	90.49	6.2	33.55	7.9	25.3	0.98
F07	20 Feb 2020	59	12.81	90.20	6.2	33.55	7.9	25.3	0.98
F07	20 Feb 2020	60	12.80	89.55	6.2	33.55	7.9	25.3	1.01
F07	20 Feb 2020	61	12.79	89.34	6.1	33.56	7.9	25.3	0.98
F07	20 Feb 2020	62	12.76	89.12	6.1	33.56	7.9	25.3	0.92
F07	20 Feb 2020	63	12.74	88.97	6.1	33.56	7.8	25.3	0.91
F07	20 Feb 2020	64	12.69	78.61	6.0	33.57	7.8	25.3	0.89
F08	20 Feb 2020	1	15.54	86.53	8.1	33.51	8.0	24.7	0.59
F08	20 Feb 2020	2	15.53	86.43	8.1	33.51	8.0	24.7	0.60
F08	20 Feb 2020	3	15.53	86.51	8.1	33.51	8.0	24.7	0.61
F08	20 Feb 2020	4	15.50	86.55	8.1	33.51	8.0	24.7	0.64
F08	20 Feb 2020	5	15.48	86.50	8.1	33.51	8.0	24.7	0.66
F08	20 Feb 2020	6	15.45	86.51	8.1	33.51	8.0	24.7	0.71
F08	20 Feb 2020	7	15.42	86.62	8.1	33.52	8.0	24.7	0.77
F08	20 Feb 2020	8	15.36	86.75	8.1	33.52	8.0	24.8	0.87
F08	20 Feb 2020	9	15.34	86.86	8.2	33.52	8.0	24.8	0.94
F08	20 Feb 2020	10	15.33	86.93	8.1	33.52	8.0	24.8	1.06
F08	20 Feb 2020	11	15.33	86.93	8.0	33.52	8.0	24.8	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	20 Feb 2020	12	15.23	86.96	8.1	33.54	8.0	24.8	1.21
F08	20 Feb 2020	13	15.13	86.63	8.1	33.52	8.0	24.8	1.34
F08	20 Feb 2020	14	15.11	86.29	8.1	33.52	8.0	24.8	1.64
F08	20 Feb 2020	15	15.05	86.27	8.0	33.52	8.0	24.8	1.91
F08	20 Feb 2020	16	14.97	86.39	7.9	33.53	8.0	24.8	2.08
F08	20 Feb 2020	17	14.91	86.43	8.0	33.52	8.0	24.9	2.18
F08	20 Feb 2020	18	14.85	86.40	7.9	33.52	8.0	24.9	2.22
F08	20 Feb 2020	19	14.78	86.66	7.8	33.52	8.0	24.9	2.31
F08	20 Feb 2020	20	14.67	86.80	7.7	33.53	8.0	24.9	2.43
F08	20 Feb 2020	21	14.61	87.35	7.7	33.53	8.0	24.9	2.41
F08	20 Feb 2020	22	14.57	87.91	7.6	33.52	8.0	24.9	2.36
F08	20 Feb 2020	23	14.48	88.31	7.4	33.54	8.0	25.0	2.32
F08	20 Feb 2020	24	14.24	88.91	7.3	33.56	8.0	25.0	2.22
F08	20 Feb 2020	25	14.06	89.40	7.2	33.55	8.0	25.1	2.07
F08	20 Feb 2020	26	13.97	89.76	7.1	33.54	8.0	25.1	1.97
F08	20 Feb 2020	27	13.95	89.93	7.0	33.54	7.9	25.1	1.88
F08	20 Feb 2020	28	13.92	89.96	7.0	33.53	7.9	25.1	1.65
F08	20 Feb 2020	29	13.90	89.94	7.0	33.53	7.9	25.1	1.77
F08	20 Feb 2020	30	13.88	89.92	7.0	33.53	7.9	25.1	1.73
F08	20 Feb 2020	31	13.84	89.92	7.0	33.53	7.9	25.1	1.61
F08	20 Feb 2020	32	13.84	89.95	7.0	33.53	7.9	25.1	1.51
F08	20 Feb 2020	33	13.82	89.85	7.0	33.53	7.9	25.1	1.49
F08	20 Feb 2020	34	13.79	89.92	6.9	33.53	7.9	25.1	1.49
F08	20 Feb 2020	35	13.78	89.94	6.9	33.53	7.9	25.1	1.53
F08	20 Feb 2020	36	13.75	89.95	6.9	33.53	7.9	25.1	1.48
F08	20 Feb 2020	37	13.61	89.98	6.8	33.53	7.9	25.1	1.49
F08	20 Feb 2020	38	13.60	90.02	6.9	33.52	7.9	25.1	1.43
F08	20 Feb 2020	39	13.55	90.02	6.8	33.53	7.9	25.1	1.41
F08	20 Feb 2020	40	13.51	90.08	6.8	33.52	7.9	25.1	1.40
F08	20 Feb 2020	41	13.50	90.07	6.8	33.52	7.9	25.1	1.47
F08	20 Feb 2020	42	13.45	90.15	6.7	33.52	7.9	25.2	1.35
F08	20 Feb 2020	43	13.41	90.18	6.7	33.52	7.9	25.2	1.39
F08	20 Feb 2020	44	13.38	90.22	6.7	33.52	7.9	25.2	1.38
F08	20 Feb 2020	45	13.30	90.25	6.7	33.52	7.9	25.2	1.33
F08	20 Feb 2020	46	13.23	90.29	6.6	33.53	7.9	25.2	1.33
F08	20 Feb 2020	47	13.13	90.18	6.6	33.53	7.9	25.2	1.26
F08	20 Feb 2020	48	13.08	90.17	6.5	33.53	7.9	25.2	1.20
F08	20 Feb 2020	49	13.06	90.22	6.5	33.53	7.9	25.2	1.22
F08	20 Feb 2020	50	13.05	90.07	6.5	33.53	7.9	25.2	1.13
F08	20 Feb 2020	51	12.98	89.89	6.4	33.55	7.9	25.3	1.19
F08	20 Feb 2020	52	12.93	89.47	6.3	33.55	7.9	25.3	1.16
F08	20 Feb 2020	53	12.89	89.14	6.2	33.56	7.9	25.3	1.03
F08	20 Feb 2020	54	12.83	89.92	6.2	33.55	7.9	25.3	1.04
F08	20 Feb 2020	55	12.82	89.96	6.2	33.55	7.9	25.3	1.00
F08	20 Feb 2020	56	12.82	89.72	6.2	33.55	7.9	25.3	0.96
F08	20 Feb 2020	57	12.81	89.55	6.1	33.56	7.9	25.3	0.96
F08	20 Feb 2020	58	12.79	89.42	6.1	33.56	7.9	25.3	0.96
F08	20 Feb 2020	59	12.78	89.24	6.1	33.56	7.9	25.3	0.96
F08	20 Feb 2020	60	12.76	89.07	6.1	33.56	7.8	25.3	0.92
F08	20 Feb 2020	61	12.74	88.93	6.1	33.56	7.8	25.3	0.89
F08	20 Feb 2020	62	12.76	68.94	6.0	33.56	7.8	25.3	0.90
F09	20 Feb 2020	1	15.55	87.60	8.1	33.52	8.0	24.7	0.41
F09	20 Feb 2020	2	15.55	87.58	8.1	33.52	8.0	24.7	0.41
F09	20 Feb 2020	3	15.55	87.79	8.1	33.52	8.0	24.7	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	20 Feb 2020	4	15.55	87.73	8.1	33.52	8.0	24.7	0.43
F09	20 Feb 2020	5	15.53	87.79	8.1	33.52	8.0	24.7	0.41
F09	20 Feb 2020	6	15.53	87.71	8.1	33.52	8.0	24.7	0.43
F09	20 Feb 2020	7	15.50	87.73	8.1	33.52	8.0	24.7	0.47
F09	20 Feb 2020	8	15.49	87.41	8.1	33.52	8.0	24.7	0.51
F09	20 Feb 2020	9	15.49	87.11	8.2	33.52	8.0	24.7	0.58
F09	20 Feb 2020	10	15.48	86.97	8.1	33.52	8.0	24.7	0.65
F09	20 Feb 2020	11	15.47	86.91	8.1	33.52	8.0	24.7	0.70
F09	20 Feb 2020	12	15.45	86.85	8.1	33.52	8.0	24.7	0.76
F09	20 Feb 2020	13	15.41	87.08	8.1	33.52	8.0	24.7	0.95
F09	20 Feb 2020	14	15.34	87.70	8.1	33.52	8.0	24.8	1.02
F09	20 Feb 2020	15	15.30	88.26	8.1	33.52	8.0	24.8	1.12
F09	20 Feb 2020	16	15.29	88.41	8.1	33.51	8.0	24.8	1.12
F09	20 Feb 2020	17	15.28	87.96	8.1	33.51	8.0	24.8	1.20
F09	20 Feb 2020	18	15.22	87.22	8.1	33.52	8.0	24.8	1.36
F09	20 Feb 2020	19	15.15	86.59	8.0	33.52	8.0	24.8	1.62
F09	20 Feb 2020	20	15.10	86.55	8.0	33.52	8.0	24.8	1.91
F09	20 Feb 2020	21	15.08	86.56	8.0	33.52	8.0	24.8	2.16
F09	20 Feb 2020	22	15.04	86.51	8.0	33.52	8.0	24.8	2.26
F09	20 Feb 2020	23	15.00	86.76	8.0	33.52	8.0	24.8	2.33
F09	20 Feb 2020	24	14.94	87.04	7.9	33.52	8.0	24.8	2.31
F09	20 Feb 2020	25	14.79	87.45	7.8	33.54	8.0	24.9	2.28
F09	20 Feb 2020	26	14.58	87.39	7.6	33.54	8.0	24.9	2.23
F09	20 Feb 2020	27	14.50	87.79	7.6	33.52	8.0	24.9	2.19
F09	20 Feb 2020	28	14.40	88.24	7.5	33.55	8.0	25.0	2.22
F09	20 Feb 2020	29	14.09	88.83	7.2	33.56	8.0	25.1	2.34
F09	20 Feb 2020	30	13.99	89.43	7.0	33.54	8.0	25.1	2.07
F09	20 Feb 2020	31	13.96	89.73	7.0	33.54	8.0	25.1	1.83
F09	20 Feb 2020	32	13.95	89.77	7.0	33.54	7.9	25.1	1.79
F09	20 Feb 2020	33	13.92	89.77	7.0	33.54	7.9	25.1	1.74
F09	20 Feb 2020	34	13.87	89.79	6.9	33.54	7.9	25.1	1.65
F09	20 Feb 2020	35	13.80	89.88	6.9	33.54	7.9	25.1	1.59
F09	20 Feb 2020	36	13.77	89.96	6.9	33.54	7.9	25.1	1.61
F09	20 Feb 2020	37	13.73	89.94	6.9	33.54	7.9	25.1	1.58
F09	20 Feb 2020	38	13.70	90.07	6.8	33.53	7.9	25.1	1.53
F09	20 Feb 2020	39	13.69	89.96	6.8	33.53	7.9	25.1	1.63
F09	20 Feb 2020	40	13.64	89.97	6.8	33.53	7.9	25.1	1.47
F09	20 Feb 2020	41	13.58	90.03	6.8	33.53	7.9	25.1	1.45
F09	20 Feb 2020	42	13.56	90.11	6.8	33.53	7.9	25.1	1.40
F09	20 Feb 2020	43	13.46	90.08	6.7	33.53	7.9	25.2	1.44
F09	20 Feb 2020	44	13.38	90.14	6.7	33.53	7.9	25.2	1.40
F09	20 Feb 2020	45	13.28	90.19	6.6	33.53	7.9	25.2	1.32
F09	20 Feb 2020	46	13.20	90.23	6.6	33.53	7.9	25.2	1.27
F09	20 Feb 2020	47	13.15	90.22	6.5	33.53	7.9	25.2	1.22
F09	20 Feb 2020	48	13.06	90.31	6.4	33.54	7.9	25.3	1.25
F09	20 Feb 2020	49	13.05	90.15	6.4	33.53	7.9	25.2	1.21
F09	20 Feb 2020	50	12.99	89.93	6.4	33.54	7.9	25.3	1.14
F09	20 Feb 2020	51	12.93	89.87	6.3	33.55	7.9	25.3	1.10
F09	20 Feb 2020	52	12.91	89.75	6.3	33.55	7.9	25.3	1.12
F09	20 Feb 2020	53	12.87	89.93	6.3	33.55	7.9	25.3	1.04
F09	20 Feb 2020	54	12.83	90.23	6.2	33.55	7.9	25.3	0.96
F09	20 Feb 2020	55	12.82	90.16	6.2	33.55	7.9	25.3	0.95
F09	20 Feb 2020	56	12.80	89.98	6.2	33.56	7.9	25.3	0.93
F09	20 Feb 2020	57	12.76	89.99	6.1	33.56	7.9	25.3	0.94
F09	20 Feb 2020	58	12.74	89.88	6.1	33.56	7.9	25.3	0.91

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	20 Feb 2020	59	12.72	89.47	6.0	33.57	7.8	25.3	0.92
F09	20 Feb 2020	60	12.70	89.08	6.0	33.57	7.8	25.3	0.87
F09	20 Feb 2020	61	12.64	88.88	6.0	33.58	7.8	25.4	0.84
F09	20 Feb 2020	62	12.59	87.50	5.9	33.57	7.8	25.4	0.83
F09	20 Feb 2020	63	12.65	28.45	5.9	33.57	7.8	25.4	0.79
F10	20 Feb 2020	1	15.52	90.77	8.0	33.51	8.0	24.7	0.23
F10	20 Feb 2020	2	15.53	90.77	7.9	33.51	8.0	24.7	0.24
F10	20 Feb 2020	3	15.51	90.74	7.9	33.51	8.0	24.7	0.24
F10	20 Feb 2020	4	15.49	90.76	7.9	33.51	8.0	24.7	0.25
F10	20 Feb 2020	5	15.48	90.70	7.9	33.51	8.0	24.7	0.24
F10	20 Feb 2020	6	15.45	90.62	7.9	33.51	8.0	24.7	0.24
F10	20 Feb 2020	7	15.42	90.52	7.9	33.51	8.0	24.7	0.26
F10	20 Feb 2020	8	15.35	90.39	8.0	33.51	8.0	24.7	0.27
F10	20 Feb 2020	9	15.34	90.28	8.0	33.50	8.0	24.7	0.30
F10	20 Feb 2020	10	15.34	90.24	8.0	33.50	8.0	24.7	0.35
F10	20 Feb 2020	11	15.33	90.26	8.0	33.50	8.0	24.7	0.35
F10	20 Feb 2020	12	15.32	90.30	7.9	33.50	8.0	24.7	0.37
F10	20 Feb 2020	13	15.31	90.32	7.9	33.50	8.0	24.7	0.38
F10	20 Feb 2020	14	15.31	90.34	8.0	33.50	8.0	24.7	0.38
F10	20 Feb 2020	15	15.31	90.34	7.9	33.50	8.0	24.7	0.40
F10	20 Feb 2020	16	15.30	90.26	7.9	33.50	8.0	24.7	0.41
F10	20 Feb 2020	17	15.30	90.26	8.0	33.50	8.0	24.8	0.43
F10	20 Feb 2020	18	15.29	90.29	8.0	33.50	8.0	24.8	0.45
F10	20 Feb 2020	19	15.28	90.24	7.9	33.50	8.0	24.8	0.46
F10	20 Feb 2020	20	15.26	90.19	8.0	33.51	8.0	24.8	0.51
F10	20 Feb 2020	21	15.23	90.04	7.9	33.50	8.0	24.8	0.54
F10	20 Feb 2020	22	15.22	89.93	7.9	33.50	8.0	24.8	0.59
F10	20 Feb 2020	23	15.19	89.79	8.0	33.51	8.0	24.8	0.62
F10	20 Feb 2020	24	15.17	89.60	8.0	33.51	8.0	24.8	0.68
F10	20 Feb 2020	25	15.16	89.47	7.9	33.51	8.0	24.8	0.85
F10	20 Feb 2020	26	15.14	89.36	7.8	33.51	8.0	24.8	0.87
F10	20 Feb 2020	27	15.07	89.08	7.8	33.52	8.0	24.8	0.94
F10	20 Feb 2020	28	14.96	88.25	7.9	33.53	8.0	24.8	1.13
F10	20 Feb 2020	29	14.88	87.57	7.9	33.52	8.0	24.9	1.47
F10	20 Feb 2020	30	14.83	87.45	7.8	33.52	8.0	24.9	1.78
F10	20 Feb 2020	31	14.70	87.21	7.7	33.53	8.0	24.9	1.88
F10	20 Feb 2020	32	14.59	87.54	7.6	33.54	8.0	24.9	2.03
F10	20 Feb 2020	33	14.39	88.00	7.5	33.55	8.0	25.0	2.14
F10	20 Feb 2020	34	14.18	88.39	7.3	33.55	8.0	25.0	2.05
F10	20 Feb 2020	35	14.10	88.90	7.2	33.53	8.0	25.0	2.07
F10	20 Feb 2020	36	13.96	89.12	7.1	33.55	8.0	25.1	1.89
F10	20 Feb 2020	37	13.90	89.26	7.0	33.54	7.9	25.1	1.79
F10	20 Feb 2020	38	13.87	89.46	6.9	33.54	7.9	25.1	1.76
F10	20 Feb 2020	39	13.82	89.56	6.8	33.55	7.9	25.1	1.72
F10	20 Feb 2020	40	13.69	89.74	6.8	33.57	7.9	25.1	1.80
F10	20 Feb 2020	41	13.54	89.89	6.8	33.56	7.9	25.2	1.70
F10	20 Feb 2020	42	13.45	90.02	6.7	33.55	7.9	25.2	1.66
F10	20 Feb 2020	43	13.43	90.09	6.7	33.54	7.9	25.2	1.58
F10	20 Feb 2020	44	13.41	90.07	6.6	33.53	7.9	25.2	1.45
F10	20 Feb 2020	45	13.40	90.08	6.6	33.53	7.9	25.2	1.47
F10	20 Feb 2020	46	13.39	90.13	6.6	33.53	7.9	25.2	1.41
F10	20 Feb 2020	47	13.37	90.14	6.6	33.53	7.9	25.2	1.35
F10	20 Feb 2020	48	13.33	90.12	6.6	33.53	7.9	25.2	1.27
F10	20 Feb 2020	49	13.29	90.15	6.6	33.53	7.9	25.2	1.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	20 Feb 2020	50	13.27	90.14	6.5	33.53	7.9	25.2	1.34
F10	20 Feb 2020	51	13.24	90.07	6.5	33.53	7.9	25.2	1.27
F10	20 Feb 2020	52	13.15	90.11	6.5	33.54	7.9	25.2	1.30
F10	20 Feb 2020	53	13.00	90.10	6.3	33.57	7.9	25.3	1.22
F10	20 Feb 2020	54	12.89	89.54	6.2	33.57	7.9	25.3	1.18
F10	20 Feb 2020	55	12.84	89.24	6.2	33.56	7.9	25.3	1.16
F10	20 Feb 2020	56	12.79	89.26	6.1	33.57	7.9	25.3	1.12
F10	20 Feb 2020	57	12.77	89.12	6.1	33.56	7.9	25.3	0.99
F10	20 Feb 2020	58	12.74	89.07	6.0	33.57	7.8	25.3	0.94
F10	20 Feb 2020	59	12.70	88.96	6.0	33.57	7.8	25.3	0.97
F10	20 Feb 2020	60	12.67	88.81	6.0	33.58	7.8	25.4	0.98
F10	20 Feb 2020	61	12.64	88.55	5.9	33.58	7.8	25.4	0.85
F10	20 Feb 2020	62	12.60	88.08	5.9	33.58	7.8	25.4	0.81
F10	20 Feb 2020	63	12.66	63.44	5.9	33.57	7.8	25.4	0.80
F11	20 Feb 2020	1	15.50	90.87	7.9	33.50	8.0	24.7	0.25
F11	20 Feb 2020	2	15.49	90.88	7.9	33.50	8.0	24.7	0.26
F11	20 Feb 2020	3	15.48	90.84	7.9	33.50	8.0	24.7	0.25
F11	20 Feb 2020	4	15.48	90.84	7.9	33.50	8.0	24.7	0.26
F11	20 Feb 2020	5	15.47	90.87	7.9	33.50	8.0	24.7	0.26
F11	20 Feb 2020	6	15.45	90.87	7.9	33.50	8.0	24.7	0.27
F11	20 Feb 2020	7	15.45	90.80	7.9	33.50	8.0	24.7	0.28
F11	20 Feb 2020	8	15.44	90.77	7.9	33.50	8.0	24.7	0.30
F11	20 Feb 2020	9	15.42	90.77	7.9	33.50	8.0	24.7	0.31
F11	20 Feb 2020	10	15.41	90.72	7.9	33.50	8.0	24.7	0.29
F11	20 Feb 2020	11	15.41	90.60	8.0	33.50	8.0	24.7	0.32
F11	20 Feb 2020	12	15.41	90.72	8.0	33.50	8.0	24.7	0.31
F11	20 Feb 2020	13	15.40	90.72	7.9	33.50	8.0	24.7	0.34
F11	20 Feb 2020	14	15.39	90.67	7.9	33.50	8.0	24.7	0.34
F11	20 Feb 2020	15	15.39	90.70	7.9	33.50	8.0	24.7	0.35
F11	20 Feb 2020	16	15.37	90.68	7.9	33.50	8.0	24.7	0.35
F11	20 Feb 2020	17	15.34	90.67	8.0	33.50	8.0	24.7	0.37
F11	20 Feb 2020	18	15.33	90.52	8.0	33.49	8.0	24.7	0.39
F11	20 Feb 2020	19	15.31	90.49	7.9	33.50	8.0	24.7	0.40
F11	20 Feb 2020	20	15.27	90.42	8.0	33.50	8.0	24.8	0.43
F11	20 Feb 2020	21	15.23	90.26	8.0	33.50	8.0	24.8	0.48
F11	20 Feb 2020	22	15.21	90.05	7.9	33.50	8.0	24.8	0.57
F11	20 Feb 2020	23	15.18	89.93	7.9	33.50	8.0	24.8	0.63
F11	20 Feb 2020	24	15.16	89.75	7.9	33.50	8.0	24.8	0.70
F11	20 Feb 2020	25	15.14	89.60	7.9	33.50	8.0	24.8	0.78
F11	20 Feb 2020	26	15.11	89.35	7.9	33.51	8.0	24.8	0.92
F11	20 Feb 2020	27	15.09	89.12	7.9	33.51	8.0	24.8	1.02
F11	20 Feb 2020	28	15.05	88.96	7.9	33.51	8.0	24.8	1.11
F11	20 Feb 2020	29	14.85	88.49	7.8	33.55	8.0	24.9	1.25
F11	20 Feb 2020	30	14.66	87.77	7.7	33.54	8.0	24.9	1.48
F11	20 Feb 2020	31	14.49	87.76	7.6	33.54	8.0	25.0	1.81
F11	20 Feb 2020	32	14.43	88.17	7.5	33.53	8.0	25.0	1.95
F11	20 Feb 2020	33	14.27	88.38	7.4	33.53	8.0	25.0	1.98
F11	20 Feb 2020	34	14.21	88.55	7.3	33.53	8.0	25.0	1.95
F11	20 Feb 2020	35	14.06	88.69	7.2	33.55	8.0	25.0	1.98
F11	20 Feb 2020	36	13.91	88.84	7.1	33.55	8.0	25.1	2.09
F11	20 Feb 2020	37	13.84	89.20	7.0	33.53	7.9	25.1	1.88
F11	20 Feb 2020	38	13.79	89.31	6.9	33.53	7.9	25.1	1.71
F11	20 Feb 2020	39	13.77	89.44	6.9	33.53	7.9	25.1	1.62
F11	20 Feb 2020	40	13.73	89.52	6.8	33.54	7.9	25.1	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	20 Feb 2020	41	13.68	89.67	6.8	33.54	7.9	25.1	1.50
F11	20 Feb 2020	42	13.61	89.83	6.7	33.55	7.9	25.1	1.57
F11	20 Feb 2020	43	13.51	89.89	6.6	33.55	7.9	25.2	1.52
F11	20 Feb 2020	44	13.38	90.00	6.6	33.55	7.9	25.2	1.37
F11	20 Feb 2020	45	13.32	90.00	6.5	33.55	7.9	25.2	1.43
F11	20 Feb 2020	46	13.13	90.09	6.4	33.55	7.9	25.2	1.35
F11	20 Feb 2020	47	13.07	90.15	6.4	33.54	7.9	25.2	1.30
F11	20 Feb 2020	48	13.04	90.28	6.4	33.54	7.9	25.3	1.28
F11	20 Feb 2020	49	12.93	90.42	6.3	33.55	7.9	25.3	1.18
F11	20 Feb 2020	50	12.90	90.17	6.2	33.55	7.9	25.3	1.14
F11	20 Feb 2020	51	12.90	89.85	6.2	33.55	7.9	25.3	1.06
F11	20 Feb 2020	52	12.90	89.83	6.2	33.55	7.9	25.3	1.07
F11	20 Feb 2020	53	12.89	89.71	6.2	33.55	7.9	25.3	1.05
F11	20 Feb 2020	54	12.88	89.69	6.2	33.55	7.9	25.3	1.09
F11	20 Feb 2020	55	12.86	89.48	6.1	33.56	7.9	25.3	1.05
F11	20 Feb 2020	56	12.80	89.28	6.1	33.57	7.8	25.3	1.06
F11	20 Feb 2020	57	12.77	89.40	6.0	33.56	7.8	25.3	1.05
F11	20 Feb 2020	58	12.73	89.31	6.0	33.57	7.8	25.3	1.00
F11	20 Feb 2020	59	12.72	89.18	6.0	33.57	7.8	25.3	0.91
F11	20 Feb 2020	60	12.67	88.85	5.9	33.58	7.8	25.4	0.86
F11	20 Feb 2020	61	12.68	52.61	5.9	33.57	7.8	25.3	0.87
F12	20 Feb 2020	1	15.48	90.90	7.9	33.49	8.0	24.7	0.26
F12	20 Feb 2020	2	15.47	91.09	7.9	33.49	8.0	24.7	0.26
F12	20 Feb 2020	3	15.46	91.07	7.9	33.49	8.0	24.7	0.26
F12	20 Feb 2020	4	15.46	91.17	7.9	33.49	8.0	24.7	0.25
F12	20 Feb 2020	5	15.46	91.18	7.9	33.49	8.0	24.7	0.26
F12	20 Feb 2020	6	15.44	91.16	7.8	33.49	8.0	24.7	0.25
F12	20 Feb 2020	7	15.44	91.11	7.9	33.49	8.0	24.7	0.26
F12	20 Feb 2020	8	15.43	91.11	7.9	33.49	8.0	24.7	0.27
F12	20 Feb 2020	9	15.43	91.08	7.9	33.49	8.0	24.7	0.28
F12	20 Feb 2020	10	15.42	91.08	7.9	33.49	8.0	24.7	0.28
F12	20 Feb 2020	11	15.42	91.05	7.9	33.49	8.0	24.7	0.29
F12	20 Feb 2020	12	15.42	91.06	7.9	33.49	8.0	24.7	0.30
F12	20 Feb 2020	13	15.41	91.04	7.9	33.49	8.0	24.7	0.32
F12	20 Feb 2020	14	15.41	91.01	7.9	33.49	8.0	24.7	0.33
F12	20 Feb 2020	15	15.41	90.99	7.9	33.49	8.0	24.7	0.32
F12	20 Feb 2020	16	15.41	90.99	7.9	33.49	8.0	24.7	0.32
F12	20 Feb 2020	17	15.39	90.98	7.9	33.49	8.0	24.7	0.35
F12	20 Feb 2020	18	15.39	90.94	7.9	33.49	8.0	24.7	0.36
F12	20 Feb 2020	19	15.39	90.92	7.9	33.49	8.0	24.7	0.37
F12	20 Feb 2020	20	15.38	90.89	7.9	33.49	8.0	24.7	0.36
F12	20 Feb 2020	21	15.38	90.89	7.9	33.49	8.0	24.7	0.38
F12	20 Feb 2020	22	15.38	90.87	7.9	33.49	8.0	24.7	0.39
F12	20 Feb 2020	23	15.37	90.85	7.9	33.49	8.0	24.7	0.39
F12	20 Feb 2020	24	15.34	90.82	7.9	33.50	8.0	24.7	0.42
F12	20 Feb 2020	25	15.21	90.72	7.9	33.52	8.0	24.8	0.43
F12	20 Feb 2020	26	15.16	90.19	7.9	33.50	8.0	24.8	0.55
F12	20 Feb 2020	27	15.15	89.83	7.9	33.50	8.0	24.8	0.64
F12	20 Feb 2020	28	15.13	89.62	7.9	33.50	8.0	24.8	0.77
F12	20 Feb 2020	29	15.11	89.49	7.9	33.50	8.0	24.8	0.89
F12	20 Feb 2020	30	15.10	89.32	7.9	33.50	8.0	24.8	0.99
F12	20 Feb 2020	31	15.08	89.20	7.9	33.50	8.0	24.8	1.18
F12	20 Feb 2020	32	15.07	89.08	7.9	33.50	8.0	24.8	1.21
F12	20 Feb 2020	33	15.06	88.95	7.9	33.50	8.0	24.8	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	20 Feb 2020	34	15.04	88.77	7.9	33.50	8.0	24.8	1.39
F12	20 Feb 2020	35	15.02	88.63	7.9	33.51	8.0	24.8	1.47
F12	20 Feb 2020	36	14.95	88.46	7.8	33.52	8.0	24.8	1.65
F12	20 Feb 2020	37	14.78	88.04	7.7	33.55	8.0	24.9	1.71
F12	20 Feb 2020	38	14.53	87.97	7.6	33.55	8.0	25.0	1.77
F12	20 Feb 2020	39	14.37	88.49	7.4	33.56	8.0	25.0	2.03
F12	20 Feb 2020	40	14.16	88.85	7.3	33.55	8.0	25.0	1.94
F12	20 Feb 2020	41	14.07	89.08	7.2	33.55	8.0	25.0	2.10
F12	20 Feb 2020	42	13.92	89.41	7.0	33.56	7.9	25.1	1.98
F12	20 Feb 2020	43	13.81	89.45	7.0	33.54	7.9	25.1	1.85
F12	20 Feb 2020	44	13.78	89.36	6.9	33.54	7.9	25.1	1.65
F12	20 Feb 2020	45	13.73	89.32	6.9	33.54	7.9	25.1	1.68
F12	20 Feb 2020	46	13.63	89.35	6.8	33.56	7.9	25.1	1.62
F12	20 Feb 2020	47	13.45	89.57	6.7	33.55	7.9	25.2	1.60
F12	20 Feb 2020	48	13.38	89.79	6.6	33.55	7.9	25.2	1.50
F12	20 Feb 2020	49	13.24	90.10	6.6	33.55	7.9	25.2	1.38
F12	20 Feb 2020	50	13.08	90.33	6.5	33.56	7.9	25.3	1.34
F12	20 Feb 2020	51	13.01	90.49	6.4	33.54	7.9	25.3	1.26
F12	20 Feb 2020	52	12.98	90.35	6.3	33.55	7.9	25.3	1.17
F12	20 Feb 2020	53	12.96	90.19	6.3	33.55	7.9	25.3	1.11
F12	20 Feb 2020	54	12.96	90.01	6.3	33.55	7.9	25.3	1.09
F12	20 Feb 2020	55	12.93	89.96	6.2	33.55	7.9	25.3	1.02
F12	20 Feb 2020	56	12.85	89.83	6.1	33.57	7.9	25.3	1.08
F12	20 Feb 2020	57	12.81	89.53	6.1	33.56	7.8	25.3	1.01
F12	20 Feb 2020	58	12.78	89.37	6.0	33.57	7.8	25.3	1.02
F12	20 Feb 2020	59	12.76	89.17	6.0	33.57	7.8	25.3	1.02
F12	20 Feb 2020	60	12.71	88.86	5.9	33.58	7.8	25.3	0.98
F12	20 Feb 2020	61	12.63	88.60	5.9	33.59	7.8	25.4	0.99
F12	20 Feb 2020	62	12.61	88.02	5.8	33.58	7.8	25.4	0.92
F12	20 Feb 2020	63	12.71	87.82	5.8	33.56	7.8	25.3	0.84
F13	20 Feb 2020	1	15.47	90.98	7.9	33.50	8.0	24.7	0.27
F13	20 Feb 2020	2	15.47	90.93	7.9	33.50	8.0	24.7	0.27
F13	20 Feb 2020	3	15.45	90.94	7.9	33.50	8.0	24.7	0.27
F13	20 Feb 2020	4	15.44	90.93	7.9	33.50	8.0	24.7	0.26
F13	20 Feb 2020	5	15.44	90.89	7.9	33.50	8.0	24.7	0.27
F13	20 Feb 2020	6	15.43	90.90	7.9	33.50	8.0	24.7	0.28
F13	20 Feb 2020	7	15.42	90.89	7.9	33.49	8.0	24.7	0.28
F13	20 Feb 2020	8	15.42	90.90	7.9	33.49	8.0	24.7	0.30
F13	20 Feb 2020	9	15.41	90.91	7.9	33.49	8.0	24.7	0.30
F13	20 Feb 2020	10	15.41	90.90	7.9	33.49	8.0	24.7	0.30
F13	20 Feb 2020	11	15.41	90.91	7.9	33.49	8.0	24.7	0.31
F13	20 Feb 2020	12	15.41	90.90	7.9	33.49	8.0	24.7	0.32
F13	20 Feb 2020	13	15.40	90.89	7.9	33.49	8.0	24.7	0.33
F13	20 Feb 2020	14	15.40	90.89	7.9	33.49	8.0	24.7	0.33
F13	20 Feb 2020	15	15.39	90.93	7.9	33.49	8.0	24.7	0.35
F13	20 Feb 2020	16	15.39	90.93	7.9	33.49	8.0	24.7	0.37
F13	20 Feb 2020	17	15.39	90.92	7.9	33.49	8.0	24.7	0.39
F13	20 Feb 2020	18	15.37	90.87	7.9	33.50	8.0	24.7	0.39
F13	20 Feb 2020	19	15.35	90.82	7.9	33.50	8.0	24.7	0.39
F13	20 Feb 2020	20	15.33	90.79	8.0	33.51	8.0	24.8	0.40
F13	20 Feb 2020	21	15.23	90.68	8.0	33.53	8.0	24.8	0.43
F13	20 Feb 2020	22	15.12	90.27	8.0	33.53	8.0	24.8	0.50
F13	20 Feb 2020	23	15.04	89.69	8.0	33.52	8.0	24.8	0.60
F13	20 Feb 2020	24	15.01	89.22	7.9	33.51	8.0	24.8	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	20 Feb 2020	25	14.99	88.97	7.9	33.51	8.0	24.8	1.03
F13	20 Feb 2020	26	14.98	88.78	7.9	33.51	8.0	24.8	1.18
F13	20 Feb 2020	27	14.98	88.77	7.9	33.51	8.0	24.8	1.33
F13	20 Feb 2020	28	14.96	88.75	7.8	33.51	8.0	24.8	1.41
F13	20 Feb 2020	29	14.90	88.65	7.8	33.52	8.0	24.9	1.49
F13	20 Feb 2020	30	14.82	88.54	7.7	33.53	8.0	24.9	1.62
F13	20 Feb 2020	31	14.68	88.55	7.6	33.55	8.0	24.9	1.70
F13	20 Feb 2020	32	14.50	88.58	7.5	33.54	8.0	25.0	1.85
F13	20 Feb 2020	33	14.44	88.76	7.4	33.54	8.0	25.0	1.81
F13	20 Feb 2020	34	14.33	88.96	7.3	33.55	8.0	25.0	1.88
F13	20 Feb 2020	35	14.21	89.16	7.2	33.56	8.0	25.0	1.73
F13	20 Feb 2020	36	14.04	89.26	7.1	33.57	8.0	25.1	1.77
F13	20 Feb 2020	37	13.89	89.38	7.0	33.57	7.9	25.1	1.61
F13	20 Feb 2020	38	13.74	89.36	6.8	33.58	7.9	25.1	1.61
F13	20 Feb 2020	39	13.61	89.49	6.7	33.57	7.9	25.2	1.56
F13	20 Feb 2020	40	13.57	89.43	6.6	33.56	7.9	25.2	1.61
F13	20 Feb 2020	41	13.48	89.45	6.6	33.57	7.9	25.2	1.43
F13	20 Feb 2020	42	13.41	89.55	6.5	33.56	7.9	25.2	1.48
F13	20 Feb 2020	43	13.38	89.51	6.5	33.56	7.9	25.2	1.50
F13	20 Feb 2020	44	13.34	89.56	6.5	33.56	7.9	25.2	1.51
F13	20 Feb 2020	45	13.31	89.65	6.5	33.56	7.9	25.2	1.40
F13	20 Feb 2020	46	13.18	89.72	6.4	33.57	7.9	25.2	1.29
F13	20 Feb 2020	47	13.07	90.00	6.4	33.56	7.9	25.3	1.25
F13	20 Feb 2020	48	13.04	90.17	6.4	33.55	7.9	25.3	1.21
F13	20 Feb 2020	49	12.92	90.31	6.3	33.56	7.9	25.3	1.18
F13	20 Feb 2020	50	12.77	90.37	6.2	33.57	7.9	25.3	1.09
F13	20 Feb 2020	51	12.74	89.95	6.1	33.57	7.8	25.3	1.06
F13	20 Feb 2020	52	12.74	89.38	6.0	33.57	7.8	25.3	0.95
F13	20 Feb 2020	53	12.74	89.09	6.0	33.57	7.8	25.3	0.95
F13	20 Feb 2020	54	12.74	89.08	6.0	33.57	7.8	25.3	0.88
F13	20 Feb 2020	55	12.73	88.95	5.9	33.57	7.8	25.3	0.97
F13	20 Feb 2020	56	12.71	88.77	5.8	33.57	7.8	25.3	0.89
F13	20 Feb 2020	57	12.70	88.68	5.9	33.58	7.8	25.3	0.84
F13	20 Feb 2020	58	12.69	88.59	5.8	33.58	7.8	25.4	0.87
F13	20 Feb 2020	59	12.67	88.35	5.8	33.58	7.8	25.4	0.85
F13	20 Feb 2020	60	12.66	88.28	5.8	33.58	7.8	25.4	0.80
F13	20 Feb 2020	61	12.65	88.19	5.7	33.58	7.8	25.4	0.81
F13	20 Feb 2020	62	12.66	87.30	5.8	33.58	7.8	25.4	0.81
F14	20 Feb 2020	1	15.61	90.33	8.0	33.52	8.0	24.7	0.29
F14	20 Feb 2020	2	15.60	90.29	8.0	33.53	8.0	24.7	0.29
F14	20 Feb 2020	3	15.58	90.23	8.0	33.52	8.0	24.7	0.28
F14	20 Feb 2020	4	15.55	90.34	8.0	33.52	8.0	24.7	0.29
F14	20 Feb 2020	5	15.54	90.36	8.0	33.52	8.0	24.7	0.30
F14	20 Feb 2020	6	15.52	90.43	7.9	33.52	8.0	24.7	0.31
F14	20 Feb 2020	7	15.51	90.48	8.0	33.52	8.0	24.7	0.31
F14	20 Feb 2020	8	15.50	90.59	7.9	33.51	8.0	24.7	0.32
F14	20 Feb 2020	9	15.50	90.61	7.9	33.51	8.0	24.7	0.31
F14	20 Feb 2020	10	15.48	90.62	7.9	33.52	8.0	24.7	0.33
F14	20 Feb 2020	11	15.46	90.69	7.9	33.51	8.0	24.7	0.32
F14	20 Feb 2020	12	15.46	90.70	7.9	33.51	8.0	24.7	0.34
F14	20 Feb 2020	13	15.45	90.63	8.0	33.51	8.0	24.7	0.35
F14	20 Feb 2020	14	15.42	90.59	8.0	33.52	8.0	24.7	0.34
F14	20 Feb 2020	15	15.35	90.18	8.0	33.53	8.0	24.8	0.39
F14	20 Feb 2020	16	15.30	89.98	8.0	33.52	8.0	24.8	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F14	20 Feb 2020	17	15.28	89.93	8.1	33.52	8.0	24.8	0.47
F14	20 Feb 2020	18	15.27	89.96	8.1	33.52	8.0	24.8	0.51
F14	20 Feb 2020	19	15.26	89.99	8.1	33.52	8.0	24.8	0.55
F14	20 Feb 2020	20	15.24	89.95	8.1	33.52	8.0	24.8	0.58
F14	20 Feb 2020	21	15.24	89.94	8.1	33.52	8.0	24.8	0.61
F14	20 Feb 2020	22	15.23	89.77	8.1	33.52	8.0	24.8	0.64
F14	20 Feb 2020	23	15.23	89.72	8.1	33.52	8.0	24.8	0.71
F14	20 Feb 2020	24	15.23	89.66	8.1	33.52	8.0	24.8	0.75
F14	20 Feb 2020	25	15.23	89.65	8.1	33.52	8.0	24.8	0.75
F14	20 Feb 2020	26	15.22	89.65	8.1	33.52	8.0	24.8	0.76
F14	20 Feb 2020	27	15.18	89.58	8.1	33.53	8.0	24.8	0.84
F14	20 Feb 2020	28	15.10	89.44	8.1	33.53	8.0	24.8	0.85
F14	20 Feb 2020	29	15.04	89.16	8.0	33.52	8.0	24.8	0.92
F14	20 Feb 2020	30	15.02	89.03	8.0	33.52	8.0	24.8	1.02
F14	20 Feb 2020	31	14.98	88.98	7.9	33.52	8.0	24.8	1.16
F14	20 Feb 2020	32	14.96	88.85	7.9	33.52	8.0	24.8	1.26
F14	20 Feb 2020	33	14.92	88.79	7.8	33.52	8.0	24.8	1.40
F14	20 Feb 2020	34	14.89	88.74	7.8	33.52	8.0	24.9	1.56
F14	20 Feb 2020	35	14.85	88.58	7.8	33.52	8.0	24.9	1.62
F14	20 Feb 2020	36	14.79	88.41	7.7	33.52	8.0	24.9	1.83
F14	20 Feb 2020	37	14.70	88.35	7.6	33.54	8.0	24.9	1.90
F14	20 Feb 2020	38	14.55	88.60	7.5	33.55	8.0	25.0	1.94
F14	20 Feb 2020	39	14.40	88.96	7.4	33.56	8.0	25.0	2.02
F14	20 Feb 2020	40	14.25	89.08	7.3	33.56	8.0	25.0	1.85
F14	20 Feb 2020	41	14.20	89.15	7.2	33.55	8.0	25.0	1.72
F14	20 Feb 2020	42	14.09	89.07	7.2	33.56	8.0	25.1	1.62
F14	20 Feb 2020	43	14.03	89.05	7.0	33.55	7.9	25.1	1.67
F14	20 Feb 2020	44	13.86	89.17	6.9	33.59	7.9	25.1	1.58
F14	20 Feb 2020	45	13.55	89.26	6.7	33.60	7.9	25.2	1.44
F14	20 Feb 2020	46	13.41	89.23	6.5	33.59	7.9	25.2	1.59
F14	20 Feb 2020	47	13.27	89.06	6.4	33.60	7.9	25.3	1.48
F14	20 Feb 2020	48	13.12	88.84	6.3	33.59	7.9	25.3	1.35
F14	20 Feb 2020	49	13.02	89.07	6.2	33.58	7.9	25.3	1.31
F14	20 Feb 2020	50	12.93	89.17	6.2	33.58	7.9	25.3	1.28
F14	20 Feb 2020	51	12.82	89.46	6.2	33.59	7.9	25.3	1.16
F14	20 Feb 2020	52	12.74	89.86	6.1	33.58	7.8	25.3	1.08
F14	20 Feb 2020	53	12.68	89.89	6.0	33.58	7.8	25.4	1.07
F14	20 Feb 2020	54	12.67	89.22	5.9	33.58	7.8	25.4	0.98
F14	20 Feb 2020	55	12.67	88.86	5.8	33.58	7.8	25.4	0.89
F14	20 Feb 2020	56	12.67	88.70	5.8	33.58	7.8	25.4	0.85
F14	20 Feb 2020	57	12.66	88.46	5.8	33.59	7.8	25.4	0.82
F14	20 Feb 2020	58	12.66	88.07	5.7	33.59	7.8	25.4	0.80
F14	20 Feb 2020	59	12.65	87.74	5.7	33.59	7.8	25.4	0.77
F14	20 Feb 2020	60	12.65	87.63	5.7	33.59	7.8	25.4	0.75
F14	20 Feb 2020	61	12.65	87.40	5.7	33.59	7.8	25.4	0.75
F14	20 Feb 2020	62	12.65	87.29	5.7	33.59	7.8	25.4	0.80
F15	21 Feb 2020	1	15.88	91.08	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	2	15.88	91.35	7.8	33.45	8.1	24.6	0.24
F15	21 Feb 2020	3	15.87	91.41	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	4	15.87	91.41	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	5	15.84	91.39	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	6	15.82	91.37	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	7	15.81	91.37	7.8	33.45	8.1	24.6	0.23
F15	21 Feb 2020	8	15.78	91.35	7.8	33.45	8.1	24.6	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	21 Feb 2020	9	15.77	91.32	7.8	33.45	8.1	24.6	0.24
F15	21 Feb 2020	10	15.74	91.28	7.8	33.45	8.1	24.6	0.24
F15	21 Feb 2020	11	15.73	91.24	7.8	33.45	8.1	24.6	0.24
F15	21 Feb 2020	12	15.72	91.22	7.8	33.45	8.1	24.6	0.26
F15	21 Feb 2020	13	15.69	91.20	7.8	33.45	8.1	24.6	0.25
F15	21 Feb 2020	14	15.57	91.16	7.8	33.45	8.1	24.7	0.26
F15	21 Feb 2020	15	15.49	91.07	7.8	33.44	8.1	24.7	0.28
F15	21 Feb 2020	16	15.43	90.94	7.8	33.44	8.1	24.7	0.29
F15	21 Feb 2020	17	15.35	90.92	7.8	33.45	8.1	24.7	0.29
F15	21 Feb 2020	18	15.26	90.78	7.8	33.44	8.1	24.7	0.32
F15	21 Feb 2020	19	15.17	90.66	7.8	33.45	8.1	24.7	0.32
F15	21 Feb 2020	20	15.05	90.48	7.8	33.46	8.1	24.8	0.36
F15	21 Feb 2020	21	15.03	90.17	7.9	33.46	8.1	24.8	0.41
F15	21 Feb 2020	22	15.02	90.01	7.8	33.47	8.1	24.8	0.47
F15	21 Feb 2020	23	15.02	89.84	7.9	33.48	8.1	24.8	0.53
F15	21 Feb 2020	24	15.02	89.68	7.9	33.49	8.1	24.8	0.61
F15	21 Feb 2020	25	15.03	89.52	7.9	33.50	8.1	24.8	0.68
F15	21 Feb 2020	26	15.02	89.36	7.9	33.51	8.1	24.8	0.79
F15	21 Feb 2020	27	14.99	89.13	7.9	33.52	8.1	24.8	0.92
F15	21 Feb 2020	28	14.97	88.87	7.9	33.52	8.1	24.8	1.01
F15	21 Feb 2020	29	14.93	88.63	7.9	33.53	8.1	24.9	1.14
F15	21 Feb 2020	30	14.89	88.41	7.9	33.53	8.1	24.9	1.25
F15	21 Feb 2020	31	14.78	88.13	7.8	33.54	8.1	24.9	1.45
F15	21 Feb 2020	32	14.70	87.82	7.8	33.53	8.0	24.9	1.64
F15	21 Feb 2020	33	14.57	87.87	7.7	33.53	8.0	24.9	1.87
F15	21 Feb 2020	34	14.52	88.12	7.7	33.52	8.0	24.9	2.04
F15	21 Feb 2020	35	14.46	88.22	7.5	33.53	8.0	25.0	2.20
F15	21 Feb 2020	36	14.36	88.45	7.5	33.52	8.0	25.0	2.18
F15	21 Feb 2020	37	14.31	88.80	7.4	33.52	8.0	25.0	2.29
F15	21 Feb 2020	38	14.10	89.22	7.4	33.53	8.0	25.0	2.25
F15	21 Feb 2020	39	14.06	89.58	7.3	33.51	8.0	25.0	2.16
F15	21 Feb 2020	40	14.01	89.77	7.3	33.51	8.0	25.0	1.89
F15	21 Feb 2020	41	13.99	89.90	7.2	33.50	8.0	25.0	1.91
F15	21 Feb 2020	42	13.98	89.89	7.2	33.51	8.0	25.0	1.93
F15	21 Feb 2020	43	13.89	90.01	7.2	33.51	8.0	25.1	1.81
F15	21 Feb 2020	44	13.80	90.20	7.2	33.51	8.0	25.1	1.83
F15	21 Feb 2020	45	13.70	90.31	7.1	33.52	8.0	25.1	1.80
F15	21 Feb 2020	46	13.38	90.52	7.1	33.51	8.0	25.2	1.66
F15	21 Feb 2020	47	13.29	90.91	7.1	33.48	8.0	25.2	1.75
F15	21 Feb 2020	48	13.26	91.18	7.1	33.47	8.0	25.2	1.58
F15	21 Feb 2020	49	13.14	91.31	7.0	33.48	8.0	25.2	1.36
F15	21 Feb 2020	50	13.04	91.39	7.0	33.48	8.0	25.2	1.20
F15	21 Feb 2020	51	12.96	91.43	7.0	33.48	8.0	25.2	1.22
F15	21 Feb 2020	52	12.84	91.47	6.9	33.49	7.9	25.3	1.09
F15	21 Feb 2020	53	12.70	91.65	6.8	33.51	7.9	25.3	1.06
F15	21 Feb 2020	54	12.58	91.73	6.8	33.50	7.9	25.3	0.96
F15	21 Feb 2020	55	12.51	91.79	6.8	33.49	7.9	25.3	0.94
F15	21 Feb 2020	56	12.48	91.76	6.8	33.49	7.9	25.3	0.89
F15	21 Feb 2020	57	12.46	91.83	6.7	33.49	7.9	25.3	0.86
F15	21 Feb 2020	58	12.43	91.80	6.7	33.49	7.9	25.3	0.83
F15	21 Feb 2020	59	12.42	91.83	6.7	33.49	7.9	25.3	0.83
F15	21 Feb 2020	60	12.42	91.81	6.6	33.49	7.9	25.3	0.83
F15	21 Feb 2020	61	12.42	91.78	6.6	33.50	7.9	25.3	0.82
F15	21 Feb 2020	62	12.42	91.81	6.6	33.50	7.9	25.3	0.81
F15	21 Feb 2020	63	12.42	91.78	6.6	33.50	7.9	25.3	0.78

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	21 Feb 2020	64	12.41	91.74	6.5	33.51	7.9	25.4	0.79
F15	21 Feb 2020	65	12.40	91.72	6.5	33.51	7.9	25.4	0.79
F15	21 Feb 2020	66	12.40	91.72	6.5	33.51	7.9	25.4	0.75
F15	21 Feb 2020	67	12.41	91.70	6.5	33.51	7.9	25.4	0.78
F15	21 Feb 2020	68	12.44	91.67	6.3	33.53	7.9	25.4	0.76
F15	21 Feb 2020	69	12.42	91.45	6.0	33.56	7.9	25.4	0.75
F15	21 Feb 2020	70	12.36	91.12	5.7	33.58	7.8	25.4	0.72
F15	21 Feb 2020	71	12.35	90.90	5.6	33.58	7.8	25.4	0.69
F15	21 Feb 2020	72	12.34	90.70	5.5	33.59	7.8	25.4	0.64
F15	21 Feb 2020	73	12.33	90.43	5.4	33.59	7.8	25.4	0.60
F15	21 Feb 2020	74	12.32	90.31	5.4	33.59	7.8	25.4	0.61
F15	21 Feb 2020	75	12.30	90.06	5.4	33.60	7.8	25.4	0.58
F15	21 Feb 2020	76	12.22	89.62	5.3	33.62	7.8	25.5	0.56
F15	21 Feb 2020	77	12.15	88.45	5.2	33.63	7.8	25.5	0.53
F15	21 Feb 2020	78	12.07	87.84	5.0	33.64	7.8	25.5	0.53
F15	21 Feb 2020	79	11.91	86.92	4.9	33.67	7.8	25.6	0.50
F15	21 Feb 2020	80	11.79	85.76	4.6	33.67	7.8	25.6	0.47
F15	21 Feb 2020	81	11.72	84.52	4.5	33.67	7.8	25.6	0.38
F15	21 Feb 2020	82	11.83	84.14	4.6	33.64	7.8	25.6	0.35
F16	21 Feb 2020	1	15.88	91.18	7.8	33.45	8.1	24.6	0.24
F16	21 Feb 2020	2	15.87	91.20	7.8	33.46	8.1	24.6	0.25
F16	21 Feb 2020	3	15.86	91.29	7.8	33.46	8.1	24.6	0.25
F16	21 Feb 2020	4	15.85	91.29	7.8	33.46	8.1	24.6	0.25
F16	21 Feb 2020	5	15.81	91.26	7.8	33.46	8.1	24.6	0.25
F16	21 Feb 2020	6	15.81	91.22	7.8	33.46	8.1	24.6	0.26
F16	21 Feb 2020	7	15.80	91.19	7.8	33.46	8.1	24.6	0.27
F16	21 Feb 2020	8	15.80	91.22	7.8	33.46	8.1	24.6	0.28
F16	21 Feb 2020	9	15.79	91.20	7.8	33.46	8.1	24.6	0.28
F16	21 Feb 2020	10	15.78	91.21	7.8	33.46	8.1	24.6	0.28
F16	21 Feb 2020	11	15.76	91.17	7.8	33.45	8.1	24.6	0.29
F16	21 Feb 2020	12	15.74	91.21	7.7	33.45	8.1	24.6	0.30
F16	21 Feb 2020	13	15.62	91.21	7.8	33.46	8.1	24.6	0.30
F16	21 Feb 2020	14	15.57	91.22	7.8	33.44	8.1	24.6	0.32
F16	21 Feb 2020	15	15.49	91.13	7.8	33.45	8.1	24.7	0.32
F16	21 Feb 2020	16	15.41	91.04	7.8	33.45	8.1	24.7	0.32
F16	21 Feb 2020	17	15.30	91.00	7.8	33.45	8.1	24.7	0.33
F16	21 Feb 2020	18	15.16	90.80	7.8	33.45	8.1	24.7	0.36
F16	21 Feb 2020	19	15.06	90.55	7.8	33.46	8.1	24.8	0.37
F16	21 Feb 2020	20	14.96	90.25	7.8	33.48	8.0	24.8	0.42
F16	21 Feb 2020	21	14.94	89.74	7.9	33.48	8.1	24.8	0.54
F16	21 Feb 2020	22	14.94	89.49	7.9	33.49	8.1	24.8	0.63
F16	21 Feb 2020	23	14.94	89.31	7.9	33.50	8.1	24.8	0.76
F16	21 Feb 2020	24	14.93	89.14	7.8	33.51	8.1	24.8	0.88
F16	21 Feb 2020	25	14.89	88.87	7.8	33.52	8.1	24.9	1.02
F16	21 Feb 2020	26	14.87	88.48	7.8	33.53	8.1	24.9	1.17
F16	21 Feb 2020	27	14.81	88.23	7.8	33.53	8.0	24.9	1.34
F16	21 Feb 2020	28	14.78	88.02	7.8	33.53	8.0	24.9	1.53
F16	21 Feb 2020	29	14.76	87.93	7.8	33.53	8.0	24.9	1.80
F16	21 Feb 2020	30	14.71	87.90	7.8	33.53	8.0	24.9	1.89
F16	21 Feb 2020	31	14.64	87.90	7.7	33.53	8.0	24.9	1.93
F16	21 Feb 2020	32	14.49	87.65	7.6	33.54	8.0	25.0	2.24
F16	21 Feb 2020	33	14.40	87.83	7.5	33.53	8.0	25.0	2.37
F16	21 Feb 2020	34	14.29	88.43	7.5	33.53	8.0	25.0	2.48
F16	21 Feb 2020	35	14.23	88.94	7.3	33.53	8.0	25.0	2.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F16	21 Feb 2020	36	14.16	89.25	7.2	33.53	8.0	25.0	2.36
F16	21 Feb 2020	37	14.02	89.57	7.2	33.53	8.0	25.0	2.26
F16	21 Feb 2020	38	13.91	89.92	7.1	33.54	8.0	25.1	1.96
F16	21 Feb 2020	39	13.78	90.17	7.1	33.52	8.0	25.1	1.99
F16	21 Feb 2020	40	13.74	90.23	7.0	33.51	8.0	25.1	1.87
F16	21 Feb 2020	41	13.66	90.31	7.0	33.52	8.0	25.1	1.66
F16	21 Feb 2020	42	13.54	90.43	7.0	33.51	8.0	25.1	1.82
F16	21 Feb 2020	43	13.26	90.69	7.0	33.52	8.0	25.2	1.53
F16	21 Feb 2020	44	13.10	91.02	7.0	33.49	8.0	25.2	1.45
F16	21 Feb 2020	45	13.05	91.28	7.0	33.47	8.0	25.2	1.23
F16	21 Feb 2020	46	13.01	91.38	7.0	33.47	8.0	25.2	1.19
F16	21 Feb 2020	47	12.95	91.39	7.0	33.48	8.0	25.2	1.22
F16	21 Feb 2020	48	12.92	91.45	6.9	33.48	7.9	25.2	1.21
F16	21 Feb 2020	49	12.88	91.45	6.9	33.48	7.9	25.2	1.04
F16	21 Feb 2020	50	12.82	91.54	6.8	33.49	7.9	25.3	1.07
F16	21 Feb 2020	51	12.75	91.55	6.8	33.50	7.9	25.3	1.02
F16	21 Feb 2020	52	12.73	91.63	6.7	33.49	7.9	25.3	0.96
F16	21 Feb 2020	53	12.69	91.64	6.7	33.50	7.9	25.3	0.94
F16	21 Feb 2020	54	12.65	91.64	6.7	33.51	7.9	25.3	0.92
F16	21 Feb 2020	55	12.59	91.67	6.6	33.51	7.9	25.3	0.88
F16	21 Feb 2020	56	12.54	91.70	6.6	33.51	7.9	25.3	0.86
F16	21 Feb 2020	57	12.49	91.73	6.6	33.51	7.9	25.3	0.82
F16	21 Feb 2020	58	12.42	91.73	6.5	33.52	7.9	25.4	0.85
F16	21 Feb 2020	59	12.31	91.71	6.4	33.53	7.9	25.4	0.81
F16	21 Feb 2020	60	12.25	91.73	6.4	33.53	7.9	25.4	0.77
F16	21 Feb 2020	61	12.25	91.71	6.3	33.52	7.9	25.4	0.76
F16	21 Feb 2020	62	12.24	91.70	6.3	33.52	7.9	25.4	0.74
F16	21 Feb 2020	63	12.24	91.70	6.3	33.53	7.9	25.4	0.71
F16	21 Feb 2020	64	12.24	91.65	6.2	33.54	7.9	25.4	0.71
F16	21 Feb 2020	65	12.23	91.47	6.0	33.55	7.9	25.4	0.67
F16	21 Feb 2020	66	12.24	91.15	5.8	33.57	7.8	25.4	0.63
F16	21 Feb 2020	67	12.24	90.75	5.6	33.58	7.8	25.4	0.62
F16	21 Feb 2020	68	12.22	90.48	5.5	33.59	7.8	25.4	0.60
F16	21 Feb 2020	69	12.21	90.21	5.5	33.59	7.8	25.5	0.59
F16	21 Feb 2020	70	12.21	89.59	5.4	33.60	7.8	25.5	0.57
F16	21 Feb 2020	71	12.21	89.39	5.4	33.60	7.8	25.5	0.55
F16	21 Feb 2020	72	12.21	89.38	5.4	33.59	7.8	25.5	0.56
F16	21 Feb 2020	73	12.21	89.37	5.4	33.60	7.8	25.5	0.54
F16	21 Feb 2020	74	12.21	89.30	5.4	33.60	7.8	25.5	0.55
F16	21 Feb 2020	75	12.20	89.10	5.3	33.61	7.8	25.5	0.54
F16	21 Feb 2020	76	12.17	88.53	5.2	33.61	7.8	25.5	0.53
F16	21 Feb 2020	77	12.13	87.73	5.1	33.62	7.8	25.5	0.51
F16	21 Feb 2020	78	12.04	87.05	5.0	33.64	7.8	25.5	0.50
F16	21 Feb 2020	79	11.89	85.85	4.8	33.66	7.8	25.6	0.46
F16	21 Feb 2020	80	11.80	84.06	4.6	33.66	7.8	25.6	0.41
F16	21 Feb 2020	81	11.70	82.26	4.5	33.68	7.8	25.6	0.35
F16	21 Feb 2020	82	11.66	76.64	4.5	33.68	7.7	25.6	0.32
F17	21 Feb 2020	1	15.91	91.36	7.8	33.46	8.1	24.6	0.26
F17	21 Feb 2020	2	15.90	91.35	7.8	33.46	8.1	24.6	0.25
F17	21 Feb 2020	3	15.89	91.37	7.8	33.46	8.1	24.6	0.25
F17	21 Feb 2020	4	15.85	91.36	7.8	33.46	8.1	24.6	0.26
F17	21 Feb 2020	5	15.83	91.31	7.8	33.46	8.1	24.6	0.26
F17	21 Feb 2020	6	15.82	91.22	7.8	33.46	8.1	24.6	0.28
F17	21 Feb 2020	7	15.83	91.09	7.8	33.47	8.1	24.6	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	21 Feb 2020	8	15.83	91.07	7.8	33.47	8.1	24.6	0.29
F17	21 Feb 2020	9	15.83	91.07	7.8	33.47	8.1	24.6	0.31
F17	21 Feb 2020	10	15.80	91.05	7.8	33.47	8.1	24.6	0.32
F17	21 Feb 2020	11	15.77	91.10	7.8	33.47	8.1	24.6	0.32
F17	21 Feb 2020	12	15.76	91.15	7.8	33.46	8.1	24.6	0.33
F17	21 Feb 2020	13	15.76	91.11	7.8	33.46	8.1	24.6	0.32
F17	21 Feb 2020	14	15.75	91.12	7.8	33.46	8.1	24.6	0.34
F17	21 Feb 2020	15	15.70	91.15	7.8	33.46	8.1	24.6	0.35
F17	21 Feb 2020	16	15.66	91.15	7.8	33.45	8.1	24.6	0.33
F17	21 Feb 2020	17	15.64	91.15	7.8	33.45	8.1	24.6	0.33
F17	21 Feb 2020	18	15.60	91.11	7.9	33.46	8.1	24.6	0.33
F17	21 Feb 2020	19	15.55	91.06	7.9	33.47	8.1	24.7	0.34
F17	21 Feb 2020	20	15.35	90.96	7.9	33.47	8.1	24.7	0.36
F17	21 Feb 2020	21	15.29	90.84	7.9	33.45	8.1	24.7	0.42
F17	21 Feb 2020	22	15.22	90.80	7.8	33.45	8.1	24.7	0.44
F17	21 Feb 2020	23	15.09	90.74	7.8	33.45	8.1	24.8	0.46
F17	21 Feb 2020	24	14.99	90.53	7.9	33.46	8.0	24.8	0.50
F17	21 Feb 2020	25	14.97	90.20	7.9	33.49	8.1	24.8	0.55
F17	21 Feb 2020	26	14.97	89.71	7.9	33.51	8.1	24.8	0.64
F17	21 Feb 2020	27	14.91	89.32	7.9	33.51	8.1	24.8	0.76
F17	21 Feb 2020	28	14.87	89.01	7.9	33.52	8.1	24.9	0.97
F17	21 Feb 2020	29	14.79	88.63	7.8	33.52	8.0	24.9	1.16
F17	21 Feb 2020	30	14.74	88.08	7.8	33.53	8.0	24.9	1.44
F17	21 Feb 2020	31	14.70	87.82	7.8	33.53	8.0	24.9	1.70
F17	21 Feb 2020	32	14.64	87.77	7.7	33.53	8.0	24.9	1.87
F17	21 Feb 2020	33	14.60	87.78	7.6	33.53	8.0	24.9	2.01
F17	21 Feb 2020	34	14.48	87.81	7.6	33.54	8.0	25.0	2.15
F17	21 Feb 2020	35	14.29	88.00	7.5	33.53	8.0	25.0	2.33
F17	21 Feb 2020	36	14.22	88.37	7.4	33.52	8.0	25.0	2.35
F17	21 Feb 2020	37	14.16	88.82	7.3	33.52	8.0	25.0	2.32
F17	21 Feb 2020	38	14.06	89.29	7.2	33.53	8.0	25.0	2.16
F17	21 Feb 2020	39	13.92	89.64	7.1	33.53	8.0	25.1	2.07
F17	21 Feb 2020	40	13.77	89.89	7.0	33.53	8.0	25.1	1.99
F17	21 Feb 2020	41	13.70	90.21	7.0	33.52	8.0	25.1	1.73
F17	21 Feb 2020	42	13.63	90.27	6.9	33.52	8.0	25.1	1.57
F17	21 Feb 2020	43	13.56	90.36	6.8	33.52	8.0	25.1	1.66
F17	21 Feb 2020	44	13.51	90.40	6.8	33.51	8.0	25.1	1.52
F17	21 Feb 2020	45	13.42	90.56	6.9	33.52	8.0	25.2	1.41
F17	21 Feb 2020	46	13.21	90.70	6.9	33.51	8.0	25.2	1.34
F17	21 Feb 2020	47	13.12	91.01	6.9	33.49	7.9	25.2	1.29
F17	21 Feb 2020	48	13.08	91.17	6.9	33.48	7.9	25.2	1.36
F17	21 Feb 2020	49	13.03	91.26	6.9	33.48	7.9	25.2	1.17
F17	21 Feb 2020	50	12.97	91.36	6.8	33.49	7.9	25.2	1.16
F17	21 Feb 2020	51	12.88	91.37	6.8	33.50	7.9	25.3	1.11
F17	21 Feb 2020	52	12.83	91.48	6.7	33.51	7.9	25.3	1.05
F17	21 Feb 2020	53	12.79	91.48	6.6	33.51	7.9	25.3	1.01
F17	21 Feb 2020	54	12.74	91.57	6.6	33.51	7.9	25.3	1.01
F17	21 Feb 2020	55	12.72	91.57	6.6	33.52	7.9	25.3	0.93
F17	21 Feb 2020	56	12.70	91.52	6.5	33.52	7.9	25.3	0.92
F17	21 Feb 2020	57	12.68	91.45	6.5	33.52	7.9	25.3	0.90
F17	21 Feb 2020	58	12.67	91.47	6.5	33.52	7.9	25.3	0.88
F17	21 Feb 2020	59	12.66	91.45	6.5	33.52	7.9	25.3	0.86
F17	21 Feb 2020	60	12.64	91.50	6.4	33.52	7.9	25.3	0.89
F17	21 Feb 2020	61	12.60	91.50	6.3	33.53	7.9	25.3	0.85
F17	21 Feb 2020	62	12.54	91.39	6.3	33.54	7.9	25.4	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	21 Feb 2020	63	12.46	91.37	6.2	33.55	7.9	25.4	0.80
F17	21 Feb 2020	64	12.35	91.38	6.0	33.56	7.9	25.4	0.80
F17	21 Feb 2020	65	12.29	91.26	5.9	33.56	7.9	25.4	0.77
F17	21 Feb 2020	66	12.20	91.16	5.9	33.57	7.8	25.4	0.68
F17	21 Feb 2020	67	12.14	91.15	5.8	33.56	7.8	25.4	0.64
F17	21 Feb 2020	68	12.16	91.15	5.7	33.57	7.8	25.4	0.60
F17	21 Feb 2020	69	12.17	90.86	5.6	33.57	7.8	25.4	0.60
F17	21 Feb 2020	70	12.20	90.31	5.5	33.58	7.8	25.4	0.54
F17	21 Feb 2020	71	12.19	89.56	5.3	33.60	7.8	25.5	0.53
F17	21 Feb 2020	72	12.14	88.45	5.2	33.60	7.8	25.5	0.51
F17	21 Feb 2020	73	12.12	88.25	5.1	33.60	7.8	25.5	0.48
F17	21 Feb 2020	74	12.07	88.00	5.0	33.61	7.8	25.5	0.46
F17	21 Feb 2020	75	12.04	87.31	4.9	33.60	7.8	25.5	0.44
F17	21 Feb 2020	76	11.97	86.77	4.8	33.61	7.8	25.5	0.41
F17	21 Feb 2020	77	11.93	85.42	4.7	33.61	7.8	25.5	0.37
F17	21 Feb 2020	78	11.89	84.10	4.6	33.61	7.8	25.5	0.34
F17	21 Feb 2020	79	11.86	82.80	4.5	33.61	7.8	25.5	0.35
F17	21 Feb 2020	80	11.83	81.20	4.4	33.62	7.8	25.5	0.31
F17	21 Feb 2020	81	11.76	78.77	4.3	33.65	7.7	25.6	0.30
F17	21 Feb 2020	82	11.76	66.13	4.3	33.64	7.7	25.6	0.30
F18	21 Feb 2020	1	15.90	91.25	7.8	33.46	8.1	24.6	0.29
F18	21 Feb 2020	2	15.90	91.21	7.9	33.46	8.1	24.6	0.29
F18	21 Feb 2020	3	15.87	91.18	7.8	33.47	8.1	24.6	0.29
F18	21 Feb 2020	4	15.84	91.17	7.8	33.48	8.1	24.6	0.31
F18	21 Feb 2020	5	15.80	91.11	7.8	33.47	8.1	24.6	0.32
F18	21 Feb 2020	6	15.80	91.09	7.9	33.47	8.1	24.6	0.33
F18	21 Feb 2020	7	15.79	91.10	7.8	33.47	8.1	24.6	0.33
F18	21 Feb 2020	8	15.79	90.85	7.8	33.47	8.1	24.6	0.34
F18	21 Feb 2020	9	15.79	90.82	7.9	33.47	8.1	24.6	0.36
F18	21 Feb 2020	10	15.76	91.06	7.9	33.47	8.1	24.6	0.37
F18	21 Feb 2020	11	15.69	91.12	7.8	33.46	8.1	24.6	0.36
F18	21 Feb 2020	12	15.66	91.18	7.9	33.45	8.1	24.6	0.34
F18	21 Feb 2020	13	15.65	91.19	7.9	33.45	8.1	24.6	0.33
F18	21 Feb 2020	14	15.62	91.19	7.9	33.45	8.1	24.6	0.33
F18	21 Feb 2020	15	15.59	91.15	7.8	33.45	8.1	24.6	0.34
F18	21 Feb 2020	16	15.57	91.10	7.8	33.45	8.1	24.7	0.34
F18	21 Feb 2020	17	15.55	91.06	7.9	33.45	8.1	24.7	0.37
F18	21 Feb 2020	18	15.55	91.02	7.9	33.46	8.1	24.7	0.39
F18	21 Feb 2020	19	15.53	90.97	7.9	33.46	8.1	24.7	0.40
F18	21 Feb 2020	20	15.41	90.96	7.9	33.47	8.1	24.7	0.42
F18	21 Feb 2020	21	15.27	90.91	7.9	33.47	8.1	24.7	0.47
F18	21 Feb 2020	22	15.13	90.83	7.9	33.45	8.0	24.8	0.47
F18	21 Feb 2020	23	15.02	90.70	7.9	33.46	8.0	24.8	0.49
F18	21 Feb 2020	24	15.01	90.37	8.0	33.49	8.1	24.8	0.56
F18	21 Feb 2020	25	14.99	89.85	7.9	33.50	8.1	24.8	0.66
F18	21 Feb 2020	26	14.95	89.50	7.9	33.51	8.1	24.8	0.77
F18	21 Feb 2020	27	14.90	89.29	7.9	33.51	8.1	24.8	0.94
F18	21 Feb 2020	28	14.85	89.06	7.9	33.51	8.0	24.9	1.09
F18	21 Feb 2020	29	14.75	88.51	7.8	33.53	8.0	24.9	1.37
F18	21 Feb 2020	30	14.64	87.54	7.8	33.53	8.0	24.9	1.74
F18	21 Feb 2020	31	14.60	87.30	7.7	33.53	8.0	24.9	1.91
F18	21 Feb 2020	32	14.57	87.57	7.7	33.53	8.0	24.9	2.22
F18	21 Feb 2020	33	14.54	87.74	7.6	33.52	8.0	24.9	2.30
F18	21 Feb 2020	34	14.49	87.82	7.6	33.52	8.0	24.9	2.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F18	21 Feb 2020	35	14.37	87.97	7.5	33.53	8.0	25.0	2.37
F18	21 Feb 2020	36	14.16	88.33	7.4	33.54	8.0	25.0	2.47
F18	21 Feb 2020	37	14.02	88.89	7.2	33.52	8.0	25.0	2.35
F18	21 Feb 2020	38	13.94	89.39	7.1	33.52	8.0	25.1	2.26
F18	21 Feb 2020	39	13.81	89.77	7.1	33.53	8.0	25.1	2.07
F18	21 Feb 2020	40	13.69	90.10	7.0	33.53	8.0	25.1	1.75
F18	21 Feb 2020	41	13.56	90.27	6.9	33.52	8.0	25.1	1.74
F18	21 Feb 2020	42	13.46	90.50	6.9	33.51	8.0	25.1	1.65
F18	21 Feb 2020	43	13.42	90.60	6.9	33.51	8.0	25.2	1.52
F18	21 Feb 2020	44	13.38	90.77	6.8	33.51	7.9	25.2	1.48
F18	21 Feb 2020	45	13.34	90.77	6.8	33.50	7.9	25.2	1.51
F18	21 Feb 2020	46	13.30	90.78	6.8	33.50	7.9	25.2	1.39
F18	21 Feb 2020	47	13.23	90.85	6.8	33.51	7.9	25.2	1.48
F18	21 Feb 2020	48	13.13	90.91	6.7	33.51	7.9	25.2	1.30
F18	21 Feb 2020	49	13.11	90.99	6.7	33.50	7.9	25.2	1.31
F18	21 Feb 2020	50	13.04	91.04	6.7	33.50	7.9	25.2	1.25
F18	21 Feb 2020	51	12.95	91.15	6.8	33.49	7.9	25.2	1.14
F18	21 Feb 2020	52	12.92	91.30	6.8	33.50	7.9	25.2	1.09
F18	21 Feb 2020	53	12.89	91.38	6.7	33.50	7.9	25.3	1.08
F18	21 Feb 2020	54	12.85	91.39	6.6	33.51	7.9	25.3	1.06
F18	21 Feb 2020	55	12.79	91.41	6.5	33.54	7.9	25.3	1.01
F18	21 Feb 2020	56	12.74	91.50	6.3	33.55	7.9	25.3	0.94
F18	21 Feb 2020	57	12.68	91.51	6.2	33.56	7.9	25.3	0.94
F18	21 Feb 2020	58	12.63	91.49	6.2	33.57	7.9	25.4	0.88
F18	21 Feb 2020	59	12.59	91.47	6.1	33.57	7.9	25.4	0.88
F18	21 Feb 2020	60	12.56	91.43	6.0	33.58	7.9	25.4	0.85
F18	21 Feb 2020	61	12.52	91.37	5.9	33.59	7.9	25.4	0.82
F18	21 Feb 2020	62	12.49	91.27	5.8	33.59	7.9	25.4	0.79
F18	21 Feb 2020	63	12.45	91.16	5.7	33.59	7.8	25.4	0.75
F18	21 Feb 2020	64	12.41	90.92	5.7	33.60	7.8	25.4	0.71
F18	21 Feb 2020	65	12.38	90.68	5.6	33.60	7.8	25.4	0.69
F18	21 Feb 2020	66	12.37	90.60	5.6	33.60	7.8	25.4	0.66
F18	21 Feb 2020	67	12.37	90.53	5.5	33.60	7.8	25.4	0.64
F18	21 Feb 2020	68	12.35	90.48	5.5	33.60	7.8	25.4	0.60
F18	21 Feb 2020	69	12.30	90.24	5.4	33.61	7.8	25.5	0.60
F18	21 Feb 2020	70	12.23	89.37	5.3	33.61	7.8	25.5	0.57
F18	21 Feb 2020	71	12.19	88.24	5.3	33.61	7.8	25.5	0.54
F18	21 Feb 2020	72	12.17	87.42	5.2	33.61	7.8	25.5	0.52
F18	21 Feb 2020	73	12.14	85.90	5.1	33.61	7.8	25.5	0.51
F18	21 Feb 2020	74	12.12	84.04	5.0	33.61	7.8	25.5	0.47
F18	21 Feb 2020	75	12.08	83.01	5.0	33.62	7.8	25.5	0.46
F18	21 Feb 2020	76	12.03	82.89	4.9	33.62	7.8	25.5	0.45
F18	21 Feb 2020	77	11.97	81.44	4.7	33.63	7.8	25.5	0.42
F18	21 Feb 2020	78	11.93	80.50	4.6	33.62	7.8	25.5	0.39
F18	21 Feb 2020	79	11.91	79.39	4.5	33.62	7.8	25.5	0.36
F18	21 Feb 2020	80	11.89	77.86	4.5	33.63	7.8	25.5	0.34
F18	21 Feb 2020	81	11.85	76.21	4.4	33.63	7.7	25.6	0.35
F18	21 Feb 2020	82	11.80	55.33	4.3	33.63	7.7	25.6	0.32
F19	21 Feb 2020	1	15.83	90.74	7.9	33.49	8.1	24.6	0.34
F19	21 Feb 2020	2	15.80	90.81	7.9	33.50	8.1	24.6	0.34
F19	21 Feb 2020	3	15.73	90.78	7.9	33.50	8.1	24.7	0.34
F19	21 Feb 2020	4	15.72	90.62	7.9	33.50	8.1	24.7	0.36
F19	21 Feb 2020	5	15.71	90.53	7.9	33.50	8.1	24.7	0.39
F19	21 Feb 2020	6	15.71	90.45	7.9	33.50	8.1	24.7	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	21 Feb 2020	7	15.70	90.44	7.9	33.51	8.1	24.7	0.41
F19	21 Feb 2020	8	15.70	90.46	7.9	33.51	8.1	24.7	0.41
F19	21 Feb 2020	9	15.70	90.41	7.9	33.51	8.1	24.7	0.42
F19	21 Feb 2020	10	15.68	90.42	7.9	33.51	8.1	24.7	0.42
F19	21 Feb 2020	11	15.65	90.49	7.9	33.50	8.1	24.7	0.44
F19	21 Feb 2020	12	15.64	90.57	7.9	33.50	8.1	24.7	0.43
F19	21 Feb 2020	13	15.63	90.64	7.9	33.50	8.1	24.7	0.44
F19	21 Feb 2020	14	15.62	90.66	7.9	33.50	8.1	24.7	0.44
F19	21 Feb 2020	15	15.62	90.66	7.9	33.50	8.1	24.7	0.46
F19	21 Feb 2020	16	15.59	90.63	7.9	33.50	8.1	24.7	0.46
F19	21 Feb 2020	17	15.56	90.64	7.9	33.50	8.1	24.7	0.47
F19	21 Feb 2020	18	15.50	90.71	7.9	33.49	8.1	24.7	0.47
F19	21 Feb 2020	19	15.42	90.78	7.9	33.49	8.1	24.7	0.49
F19	21 Feb 2020	20	15.29	90.72	7.9	33.48	8.1	24.7	0.51
F19	21 Feb 2020	21	15.20	90.67	7.9	33.47	8.1	24.7	0.54
F19	21 Feb 2020	22	15.08	90.58	7.9	33.47	8.0	24.8	0.57
F19	21 Feb 2020	23	14.90	90.46	7.9	33.48	8.0	24.8	0.60
F19	21 Feb 2020	24	14.83	90.17	7.9	33.48	8.0	24.8	0.70
F19	21 Feb 2020	25	14.81	89.55	7.8	33.49	8.0	24.9	0.87
F19	21 Feb 2020	26	14.76	89.13	7.8	33.50	8.0	24.9	1.05
F19	21 Feb 2020	27	14.71	88.66	7.8	33.49	8.0	24.9	1.26
F19	21 Feb 2020	28	14.70	88.19	7.8	33.51	8.0	24.9	1.60
F19	21 Feb 2020	29	14.60	88.03	7.6	33.53	8.0	24.9	1.92
F19	21 Feb 2020	30	14.50	87.56	7.5	33.54	8.0	24.9	2.21
F19	21 Feb 2020	31	14.44	87.31	7.5	33.53	8.0	25.0	2.32
F19	21 Feb 2020	32	14.38	87.54	7.4	33.53	8.0	25.0	2.48
F19	21 Feb 2020	33	14.34	87.99	7.4	33.53	8.0	25.0	2.42
F19	21 Feb 2020	34	14.19	88.31	7.3	33.54	8.0	25.0	2.31
F19	21 Feb 2020	35	13.98	88.70	7.3	33.52	8.0	25.0	2.31
F19	21 Feb 2020	36	13.93	89.10	7.2	33.51	8.0	25.1	2.45
F19	21 Feb 2020	37	13.90	89.58	7.2	33.51	8.0	25.1	2.16
F19	21 Feb 2020	38	13.83	89.74	7.0	33.52	8.0	25.1	2.00
F19	21 Feb 2020	39	13.69	90.00	6.9	33.54	8.0	25.1	1.89
F19	21 Feb 2020	40	13.47	90.10	6.8	33.55	8.0	25.2	1.90
F19	21 Feb 2020	41	13.26	90.47	6.8	33.52	7.9	25.2	1.69
F19	21 Feb 2020	42	13.17	90.80	6.8	33.50	7.9	25.2	1.39
F19	21 Feb 2020	43	13.11	91.03	6.8	33.50	7.9	25.2	1.33
F19	21 Feb 2020	44	12.99	91.07	6.8	33.50	7.9	25.2	1.28
F19	21 Feb 2020	45	12.95	91.14	6.7	33.50	7.9	25.2	1.12
F19	21 Feb 2020	46	12.90	91.23	6.7	33.50	7.9	25.3	1.11
F19	21 Feb 2020	47	12.86	91.32	6.7	33.51	7.9	25.3	1.06
F19	21 Feb 2020	48	12.83	91.39	6.6	33.52	7.9	25.3	1.06
F19	21 Feb 2020	49	12.80	91.39	6.6	33.52	7.9	25.3	1.01
F19	21 Feb 2020	50	12.79	91.42	6.5	33.53	7.9	25.3	1.00
F19	21 Feb 2020	51	12.77	91.44	6.5	33.53	7.9	25.3	0.96
F19	21 Feb 2020	52	12.76	91.45	6.4	33.53	7.9	25.3	0.93
F19	21 Feb 2020	53	12.74	91.40	6.4	33.55	7.9	25.3	0.97
F19	21 Feb 2020	54	12.71	91.45	6.3	33.56	7.9	25.3	0.96
F19	21 Feb 2020	55	12.69	91.42	6.3	33.56	7.9	25.3	0.92
F19	21 Feb 2020	56	12.68	91.37	6.2	33.56	7.9	25.3	0.89
F19	21 Feb 2020	57	12.66	91.42	6.2	33.55	7.9	25.3	0.92
F19	21 Feb 2020	58	12.64	91.36	6.2	33.56	7.9	25.3	0.90
F19	21 Feb 2020	59	12.64	91.26	6.2	33.57	7.9	25.4	0.89
F19	21 Feb 2020	60	12.61	91.29	6.1	33.57	7.9	25.4	0.87
F19	21 Feb 2020	61	12.60	91.03	6.1	33.57	7.9	25.4	0.90

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	21 Feb 2020	62	12.60	91.07	6.1	33.57	7.9	25.4	0.84
F19	21 Feb 2020	63	12.60	91.00	6.0	33.57	7.9	25.4	0.86
F19	21 Feb 2020	64	12.58	91.03	6.0	33.58	7.9	25.4	0.82
F19	21 Feb 2020	65	12.50	90.98	5.9	33.59	7.9	25.4	0.82
F19	21 Feb 2020	66	12.45	90.79	5.8	33.60	7.9	25.4	0.77
F19	21 Feb 2020	67	12.34	90.31	5.6	33.61	7.8	25.4	0.73
F19	21 Feb 2020	68	12.26	89.23	5.5	33.61	7.8	25.5	0.68
F19	21 Feb 2020	69	12.23	87.91	5.4	33.61	7.8	25.5	0.63
F19	21 Feb 2020	70	12.22	87.31	5.3	33.61	7.8	25.5	0.61
F19	21 Feb 2020	71	12.19	86.83	5.2	33.62	7.8	25.5	0.57
F19	21 Feb 2020	72	12.11	86.47	5.1	33.62	7.8	25.5	0.53
F19	21 Feb 2020	73	12.07	86.40	4.9	33.62	7.8	25.5	0.50
F19	21 Feb 2020	74	12.02	86.28	4.8	33.62	7.8	25.5	0.47
F19	21 Feb 2020	75	11.98	85.90	4.7	33.62	7.8	25.5	0.43
F19	21 Feb 2020	76	11.94	85.68	4.6	33.62	7.8	25.5	0.42
F19	21 Feb 2020	77	11.90	85.19	4.5	33.62	7.8	25.5	0.39
F19	21 Feb 2020	78	11.85	84.40	4.4	33.62	7.7	25.5	0.38
F19	21 Feb 2020	79	11.84	83.86	4.4	33.62	7.7	25.6	0.35
F19	21 Feb 2020	80	11.81	83.42	4.3	33.62	7.7	25.6	0.34
F19	21 Feb 2020	81	11.77	82.97	4.3	33.63	7.7	25.6	0.33
F19	21 Feb 2020	82	11.73	82.71	4.2	33.63	7.7	25.6	0.33
F19	21 Feb 2020	83	11.72	82.17	4.2	33.62	7.7	25.6	0.32
F19	21 Feb 2020	84	11.73	81.10	4.1	33.63	7.7	25.6	0.31
F20	21 Feb 2020	1	15.77	89.77	8.0	33.53	8.1	24.7	0.35
F20	21 Feb 2020	2	15.75	89.78	8.0	33.53	8.1	24.7	0.35
F20	21 Feb 2020	3	15.73	89.53	7.9	33.53	8.1	24.7	0.34
F20	21 Feb 2020	4	15.71	89.74	7.9	33.53	8.1	24.7	0.36
F20	21 Feb 2020	5	15.69	89.70	8.0	33.53	8.1	24.7	0.38
F20	21 Feb 2020	6	15.68	89.68	7.9	33.53	8.1	24.7	0.37
F20	21 Feb 2020	7	15.67	89.72	7.9	33.53	8.1	24.7	0.38
F20	21 Feb 2020	8	15.67	89.72	7.9	33.53	8.1	24.7	0.40
F20	21 Feb 2020	9	15.66	89.75	7.9	33.53	8.1	24.7	0.41
F20	21 Feb 2020	10	15.66	89.69	7.9	33.53	8.1	24.7	0.41
F20	21 Feb 2020	11	15.62	89.79	7.9	33.53	8.1	24.7	0.44
F20	21 Feb 2020	12	15.56	89.94	7.9	33.52	8.1	24.7	0.46
F20	21 Feb 2020	13	15.54	90.26	7.9	33.51	8.1	24.7	0.46
F20	21 Feb 2020	14	15.52	90.29	7.9	33.51	8.1	24.7	0.46
F20	21 Feb 2020	15	15.50	90.39	7.9	33.51	8.1	24.7	0.47
F20	21 Feb 2020	16	15.40	90.47	7.8	33.51	8.1	24.7	0.50
F20	21 Feb 2020	17	15.33	90.62	7.9	33.49	8.1	24.7	0.51
F20	21 Feb 2020	18	15.27	90.57	7.9	33.50	8.1	24.8	0.49
F20	21 Feb 2020	19	15.14	90.51	7.9	33.50	8.1	24.8	0.50
F20	21 Feb 2020	20	15.06	90.31	7.9	33.48	8.0	24.8	0.53
F20	21 Feb 2020	21	15.02	90.21	7.9	33.47	8.0	24.8	0.63
F20	21 Feb 2020	22	14.98	90.15	7.8	33.47	8.0	24.8	0.67
F20	21 Feb 2020	23	14.92	90.05	7.8	33.48	8.0	24.8	0.70
F20	21 Feb 2020	24	14.81	89.97	7.9	33.50	8.0	24.9	0.73
F20	21 Feb 2020	25	14.77	89.51	7.8	33.50	8.0	24.9	0.81
F20	21 Feb 2020	26	14.76	88.92	7.8	33.50	8.0	24.9	0.98
F20	21 Feb 2020	27	14.67	88.62	7.7	33.53	8.0	24.9	1.22
F20	21 Feb 2020	28	14.48	88.22	7.6	33.55	8.0	25.0	1.47
F20	21 Feb 2020	29	14.42	87.69	7.4	33.54	8.0	25.0	1.84
F20	21 Feb 2020	30	14.40	87.62	7.3	33.54	8.0	25.0	2.23
F20	21 Feb 2020	31	14.32	87.74	7.3	33.55	8.0	25.0	2.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F20	21 Feb 2020	32	14.21	87.96	7.2	33.54	8.0	25.0	2.40
F20	21 Feb 2020	33	14.09	88.60	7.2	33.54	8.0	25.0	2.31
F20	21 Feb 2020	34	13.91	89.27	7.1	33.53	8.0	25.1	2.45
F20	21 Feb 2020	35	13.85	89.60	7.1	33.52	8.0	25.1	2.20
F20	21 Feb 2020	36	13.79	89.76	7.0	33.52	8.0	25.1	2.04
F20	21 Feb 2020	37	13.56	90.06	6.9	33.56	8.0	25.2	1.93
F20	21 Feb 2020	38	13.43	90.29	6.8	33.55	7.9	25.2	1.93
F20	21 Feb 2020	39	13.26	90.44	6.7	33.55	7.9	25.2	1.74
F20	21 Feb 2020	40	13.16	90.71	6.8	33.52	7.9	25.2	1.49
F20	21 Feb 2020	41	13.09	90.93	6.7	33.51	7.9	25.2	1.50
F20	21 Feb 2020	42	13.03	90.96	6.7	33.52	7.9	25.2	1.27
F20	21 Feb 2020	43	12.89	91.05	6.6	33.54	7.9	25.3	1.31
F20	21 Feb 2020	44	12.83	91.16	6.6	33.52	7.9	25.3	1.26
F20	21 Feb 2020	45	12.81	91.24	6.6	33.52	7.9	25.3	1.10
F20	21 Feb 2020	46	12.79	91.24	6.5	33.53	7.9	25.3	1.04
F20	21 Feb 2020	47	12.74	91.26	6.5	33.54	7.9	25.3	1.00
F20	21 Feb 2020	48	12.71	91.35	6.4	33.55	7.9	25.3	0.94
F20	21 Feb 2020	49	12.68	91.37	6.3	33.56	7.9	25.3	0.90
F20	21 Feb 2020	50	12.67	91.39	6.2	33.56	7.9	25.3	0.89
F20	21 Feb 2020	51	12.66	91.38	6.2	33.56	7.9	25.3	0.92
F20	21 Feb 2020	52	12.66	91.38	6.2	33.56	7.9	25.3	0.85
F20	21 Feb 2020	53	12.66	91.35	6.2	33.55	7.9	25.3	0.90
F20	21 Feb 2020	54	12.66	91.35	6.2	33.55	7.9	25.3	0.87
F20	21 Feb 2020	55	12.66	91.35	6.2	33.55	7.9	25.3	0.87
F20	21 Feb 2020	56	12.66	91.35	6.2	33.55	7.9	25.3	0.87
F20	21 Feb 2020	57	12.65	91.34	6.2	33.56	7.9	25.3	0.86
F20	21 Feb 2020	58	12.58	91.32	6.1	33.57	7.9	25.4	0.85
F20	21 Feb 2020	59	12.49	91.20	6.0	33.57	7.9	25.4	0.85
F20	21 Feb 2020	60	12.45	90.90	5.8	33.57	7.9	25.4	0.84
F20	21 Feb 2020	61	12.42	90.46	5.8	33.57	7.8	25.4	0.80
F20	21 Feb 2020	62	12.41	90.02	5.7	33.56	7.8	25.4	0.75
F20	21 Feb 2020	63	12.41	89.89	5.7	33.56	7.8	25.4	0.68
F20	21 Feb 2020	64	12.43	89.82	5.7	33.57	7.8	25.4	0.66
F20	21 Feb 2020	65	12.44	89.83	5.7	33.57	7.8	25.4	0.64
F20	21 Feb 2020	66	12.40	89.96	5.6	33.59	7.8	25.4	0.65
F20	21 Feb 2020	67	12.34	89.97	5.6	33.59	7.8	25.4	0.64
F20	21 Feb 2020	68	12.32	89.73	5.5	33.58	7.8	25.4	0.61
F20	21 Feb 2020	69	12.31	89.40	5.5	33.59	7.8	25.4	0.61
F20	21 Feb 2020	70	12.29	89.41	5.4	33.59	7.8	25.4	0.59
F20	21 Feb 2020	71	12.25	89.20	5.3	33.60	7.8	25.5	0.56
F20	21 Feb 2020	72	12.20	88.83	5.2	33.61	7.8	25.5	0.52
F20	21 Feb 2020	73	12.15	88.51	5.1	33.61	7.8	25.5	0.52
F20	21 Feb 2020	74	12.12	87.84	5.0	33.62	7.8	25.5	0.50
F20	21 Feb 2020	75	12.10	87.34	4.9	33.62	7.8	25.5	0.46
F20	21 Feb 2020	76	12.07	86.65	4.9	33.63	7.8	25.5	0.46
F20	21 Feb 2020	77	12.02	86.31	4.8	33.63	7.8	25.5	0.41
F20	21 Feb 2020	78	12.01	86.05	4.7	33.63	7.8	25.5	0.37
F20	21 Feb 2020	79	12.00	85.42	4.7	33.63	7.8	25.5	0.36
F20	21 Feb 2020	80	11.98	84.78	4.6	33.63	7.8	25.5	0.34
F20	21 Feb 2020	81	11.97	84.12	4.6	33.64	7.8	25.5	0.33
F20	21 Feb 2020	82	11.91	83.29	4.5	33.65	7.8	25.6	0.31
F20	21 Feb 2020	83	11.86	82.20	4.4	33.64	7.7	25.6	0.31
F21	21 Feb 2020	1	15.72	89.76	8.0	33.52	8.1	24.7	0.34
F21	21 Feb 2020	2	15.71	89.80	8.0	33.53	8.1	24.7	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	21 Feb 2020	3	15.67	89.76	8.0	33.53	8.1	24.7	0.33
F21	21 Feb 2020	4	15.66	89.69	8.0	33.53	8.1	24.7	0.34
F21	21 Feb 2020	5	15.65	89.60	8.0	33.53	8.1	24.7	0.36
F21	21 Feb 2020	6	15.65	89.56	8.0	33.53	8.1	24.7	0.36
F21	21 Feb 2020	7	15.64	89.47	8.0	33.53	8.1	24.7	0.39
F21	21 Feb 2020	8	15.64	89.51	8.0	33.53	8.1	24.7	0.41
F21	21 Feb 2020	9	15.63	89.45	8.0	33.53	8.1	24.7	0.41
F21	21 Feb 2020	10	15.63	89.44	8.0	33.53	8.1	24.7	0.44
F21	21 Feb 2020	11	15.63	89.45	8.0	33.53	8.1	24.7	0.47
F21	21 Feb 2020	12	15.63	89.43	8.0	33.53	8.1	24.7	0.47
F21	21 Feb 2020	13	15.62	89.45	8.0	33.53	8.1	24.7	0.50
F21	21 Feb 2020	14	15.59	89.53	8.0	33.53	8.1	24.7	0.55
F21	21 Feb 2020	15	15.50	89.45	8.0	33.53	8.1	24.7	0.55
F21	21 Feb 2020	16	15.36	89.47	8.0	33.53	8.1	24.8	0.56
F21	21 Feb 2020	17	15.23	89.48	8.0	33.51	8.1	24.8	0.57
F21	21 Feb 2020	18	15.16	89.53	8.0	33.49	8.1	24.8	0.60
F21	21 Feb 2020	19	15.11	89.89	8.0	33.49	8.1	24.8	0.65
F21	21 Feb 2020	20	15.09	90.07	8.0	33.48	8.1	24.8	0.65
F21	21 Feb 2020	21	15.07	90.11	8.0	33.48	8.1	24.8	0.69
F21	21 Feb 2020	22	14.99	90.09	7.9	33.49	8.0	24.8	0.66
F21	21 Feb 2020	23	14.92	90.03	7.9	33.48	8.0	24.8	0.70
F21	21 Feb 2020	24	14.89	89.88	7.9	33.48	8.0	24.8	0.79
F21	21 Feb 2020	25	14.85	89.49	7.9	33.49	8.0	24.8	0.85
F21	21 Feb 2020	26	14.79	89.65	7.9	33.49	8.0	24.9	0.95
F21	21 Feb 2020	27	14.73	89.48	7.8	33.49	8.0	24.9	1.07
F21	21 Feb 2020	28	14.67	89.14	7.8	33.49	8.0	24.9	1.37
F21	21 Feb 2020	29	14.61	88.60	7.7	33.49	8.0	24.9	1.81
F21	21 Feb 2020	30	14.51	88.10	7.6	33.51	8.0	24.9	2.11
F21	21 Feb 2020	31	14.42	88.11	7.5	33.52	8.0	25.0	2.27
F21	21 Feb 2020	32	14.39	88.30	7.4	33.52	8.0	25.0	2.28
F21	21 Feb 2020	33	14.35	88.37	7.4	33.52	8.0	25.0	2.39
F21	21 Feb 2020	34	14.34	88.45	7.3	33.52	8.0	25.0	2.52
F21	21 Feb 2020	35	14.29	88.52	7.2	33.53	8.0	25.0	2.39
F21	21 Feb 2020	36	14.10	88.53	7.1	33.54	8.0	25.0	2.40
F21	21 Feb 2020	37	13.95	88.80	7.0	33.53	8.0	25.1	2.19
F21	21 Feb 2020	38	13.86	89.41	6.9	33.53	8.0	25.1	2.05
F21	21 Feb 2020	39	13.81	90.04	6.9	33.53	8.0	25.1	1.81
F21	21 Feb 2020	40	13.68	90.44	6.8	33.54	8.0	25.1	1.73
F21	21 Feb 2020	41	13.48	90.63	6.8	33.55	7.9	25.2	1.76
F21	21 Feb 2020	42	13.33	90.91	6.8	33.52	7.9	25.2	1.54
F21	21 Feb 2020	43	13.28	91.11	6.8	33.51	7.9	25.2	1.43
F21	21 Feb 2020	44	13.21	91.25	6.8	33.51	7.9	25.2	1.27
F21	21 Feb 2020	45	13.15	91.28	6.8	33.50	7.9	25.2	1.26
F21	21 Feb 2020	46	13.13	91.37	6.7	33.50	7.9	25.2	1.23
F21	21 Feb 2020	47	13.15	91.37	6.6	33.52	7.9	25.2	1.26
F21	21 Feb 2020	48	13.07	91.29	6.6	33.54	7.9	25.2	1.12
F21	21 Feb 2020	49	13.02	91.24	6.6	33.53	7.9	25.2	1.05
F21	21 Feb 2020	50	12.99	91.23	6.6	33.52	7.9	25.2	1.11
F21	21 Feb 2020	51	12.94	91.27	6.6	33.52	7.9	25.3	1.04
F21	21 Feb 2020	52	12.83	91.28	6.5	33.53	7.9	25.3	1.08
F21	21 Feb 2020	53	12.74	91.28	6.5	33.54	7.9	25.3	0.97
F21	21 Feb 2020	54	12.68	91.28	6.4	33.54	7.9	25.3	0.97
F21	21 Feb 2020	55	12.67	91.23	6.3	33.54	7.9	25.3	0.93
F21	21 Feb 2020	56	12.66	91.21	6.3	33.54	7.9	25.3	0.95
F21	21 Feb 2020	57	12.65	91.17	6.2	33.55	7.9	25.3	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F21	21 Feb 2020	58	12.65	91.13	6.2	33.55	7.9	25.3	0.87
F21	21 Feb 2020	59	12.65	91.12	6.2	33.55	7.9	25.3	0.87
F21	21 Feb 2020	60	12.64	91.18	6.2	33.55	7.9	25.3	0.87
F21	21 Feb 2020	61	12.64	91.22	6.2	33.55	7.9	25.3	0.82
F21	21 Feb 2020	62	12.63	91.21	6.2	33.55	7.9	25.3	0.81
F21	21 Feb 2020	63	12.59	91.18	6.2	33.56	7.9	25.4	0.81
F21	21 Feb 2020	64	12.54	91.28	6.1	33.58	7.9	25.4	0.83
F21	21 Feb 2020	65	12.35	91.24	6.0	33.60	7.9	25.4	0.78
F21	21 Feb 2020	66	12.17	91.40	5.8	33.59	7.8	25.5	0.76
F21	21 Feb 2020	67	12.04	90.92	5.4	33.56	7.8	25.5	0.70
F21	21 Feb 2020	68	11.99	89.78	5.1	33.56	7.8	25.5	0.61
F21	21 Feb 2020	69	11.97	88.52	4.9	33.55	7.8	25.5	0.55
F21	21 Feb 2020	70	11.97	87.52	4.9	33.55	7.8	25.5	0.48
F21	21 Feb 2020	71	11.97	87.18	4.8	33.55	7.8	25.5	0.43
F21	21 Feb 2020	72	11.97	87.11	4.8	33.54	7.8	25.5	0.40
F21	21 Feb 2020	73	11.97	87.06	4.8	33.54	7.8	25.5	0.40
F21	21 Feb 2020	74	11.96	87.04	4.8	33.54	7.8	25.5	0.38
F21	21 Feb 2020	75	11.96	86.95	4.8	33.54	7.8	25.5	0.35
F21	21 Feb 2020	76	11.96	86.88	4.8	33.54	7.8	25.5	0.35
F21	21 Feb 2020	77	11.96	86.84	4.8	33.54	7.8	25.5	0.36
F21	21 Feb 2020	78	11.96	86.85	4.8	33.54	7.8	25.5	0.36
F21	21 Feb 2020	79	11.97	86.84	4.7	33.55	7.8	25.5	0.38
F21	21 Feb 2020	80	11.93	86.85	4.7	33.57	7.8	25.5	0.35
F21	21 Feb 2020	81	11.91	86.84	4.6	33.59	7.8	25.5	0.33
F21	21 Feb 2020	82	11.90	86.50	4.6	33.59	7.8	25.5	0.32
F21	21 Feb 2020	83	11.88	86.01	4.6	33.60	7.8	25.5	0.31
F21	21 Feb 2020	84	11.88	85.67	4.5	33.60	7.8	25.5	0.31
F21	21 Feb 2020	85	11.89	85.48	4.5	33.59	7.8	25.5	0.31
F22	21 Feb 2020	1	15.66	89.61	8.0	33.52	8.1	24.7	0.41
F22	21 Feb 2020	2	15.65	89.58	8.0	33.52	8.1	24.7	0.43
F22	21 Feb 2020	3	15.63	89.60	8.0	33.52	8.1	24.7	0.44
F22	21 Feb 2020	4	15.62	89.59	8.1	33.52	8.1	24.7	0.45
F22	21 Feb 2020	5	15.62	89.51	8.0	33.52	8.1	24.7	0.46
F22	21 Feb 2020	6	15.62	89.47	8.0	33.52	8.1	24.7	0.48
F22	21 Feb 2020	7	15.62	89.47	8.0	33.52	8.1	24.7	0.52
F22	21 Feb 2020	8	15.62	89.39	8.0	33.52	8.1	24.7	0.52
F22	21 Feb 2020	9	15.61	89.29	8.0	33.52	8.1	24.7	0.56
F22	21 Feb 2020	10	15.60	89.27	8.0	33.53	8.1	24.7	0.59
F22	21 Feb 2020	11	15.53	89.19	8.1	33.54	8.1	24.7	0.57
F22	21 Feb 2020	12	15.40	89.04	8.1	33.53	8.1	24.8	0.61
F22	21 Feb 2020	13	15.34	89.01	8.2	33.53	8.1	24.8	0.65
F22	21 Feb 2020	14	15.32	88.95	8.2	33.53	8.1	24.8	0.74
F22	21 Feb 2020	15	15.29	88.51	8.2	33.53	8.1	24.8	0.74
F22	21 Feb 2020	16	15.26	88.30	8.2	33.53	8.1	24.8	0.83
F22	21 Feb 2020	17	15.19	88.43	8.2	33.52	8.1	24.8	0.87
F22	21 Feb 2020	18	15.17	88.87	8.2	33.52	8.1	24.8	0.91
F22	21 Feb 2020	19	15.14	89.15	8.1	33.51	8.1	24.8	0.89
F22	21 Feb 2020	20	15.12	89.29	8.1	33.51	8.1	24.8	0.90
F22	21 Feb 2020	21	15.10	89.34	8.1	33.51	8.1	24.8	0.94
F22	21 Feb 2020	22	15.09	89.41	8.1	33.50	8.1	24.8	0.96
F22	21 Feb 2020	23	15.08	89.48	8.1	33.50	8.1	24.8	0.95
F22	21 Feb 2020	24	15.06	89.49	8.0	33.50	8.1	24.8	0.93
F22	21 Feb 2020	25	15.05	89.62	8.0	33.49	8.1	24.8	0.92
F22	21 Feb 2020	26	15.02	89.63	8.0	33.50	8.1	24.8	0.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	21 Feb 2020	27	14.96	89.60	8.0	33.50	8.0	24.8	0.98
F22	21 Feb 2020	28	14.90	89.36	8.0	33.50	8.0	24.8	0.97
F22	21 Feb 2020	29	14.87	89.28	7.9	33.50	8.0	24.8	1.03
F22	21 Feb 2020	30	14.84	89.17	7.9	33.50	8.0	24.8	1.16
F22	21 Feb 2020	31	14.77	88.99	7.9	33.50	8.0	24.9	1.28
F22	21 Feb 2020	32	14.71	88.88	7.8	33.50	8.0	24.9	1.39
F22	21 Feb 2020	33	14.65	88.45	7.8	33.50	8.0	24.9	1.74
F22	21 Feb 2020	34	14.61	87.69	7.7	33.50	8.0	24.9	2.05
F22	21 Feb 2020	35	14.55	87.46	7.6	33.51	8.0	24.9	2.44
F22	21 Feb 2020	36	14.46	87.49	7.6	33.51	8.0	24.9	2.75
F22	21 Feb 2020	37	14.37	87.55	7.4	33.52	8.0	25.0	2.74
F22	21 Feb 2020	38	14.33	88.05	7.4	33.52	8.0	25.0	2.76
F22	21 Feb 2020	39	14.30	88.18	7.3	33.53	8.0	25.0	2.59
F22	21 Feb 2020	40	14.18	88.24	7.1	33.54	8.0	25.0	2.68
F22	21 Feb 2020	41	14.05	88.67	7.0	33.54	8.0	25.0	2.35
F22	21 Feb 2020	42	14.01	89.45	7.0	33.53	8.0	25.1	2.08
F22	21 Feb 2020	43	13.93	89.98	6.9	33.53	8.0	25.1	1.77
F22	21 Feb 2020	44	13.88	90.14	6.8	33.53	8.0	25.1	1.70
F22	21 Feb 2020	45	13.79	90.35	6.8	33.53	7.9	25.1	1.79
F22	21 Feb 2020	46	13.73	90.50	6.8	33.52	7.9	25.1	1.59
F22	21 Feb 2020	47	13.64	90.60	6.8	33.53	7.9	25.1	1.41
F22	21 Feb 2020	48	13.49	90.80	6.7	33.53	7.9	25.2	1.39
F22	21 Feb 2020	49	13.29	91.03	6.7	33.53	7.9	25.2	1.45
F22	21 Feb 2020	50	13.17	91.24	6.6	33.53	7.9	25.2	1.22
F22	21 Feb 2020	51	13.03	91.39	6.6	33.53	7.9	25.2	1.11
F22	21 Feb 2020	52	12.98	91.48	6.6	33.51	7.9	25.2	1.03
F22	21 Feb 2020	53	12.95	91.49	6.6	33.51	7.9	25.3	1.02
F22	21 Feb 2020	54	12.91	91.47	6.6	33.52	7.9	25.3	1.01
F22	21 Feb 2020	55	12.87	91.45	6.6	33.52	7.9	25.3	1.00
F22	21 Feb 2020	56	12.83	91.44	6.5	33.53	7.9	25.3	0.99
F22	21 Feb 2020	57	12.76	91.40	6.4	33.54	7.9	25.3	0.94
F22	21 Feb 2020	58	12.67	91.25	6.4	33.55	7.9	25.3	0.87
F22	21 Feb 2020	59	12.62	91.38	6.3	33.55	7.9	25.3	0.89
F22	21 Feb 2020	60	12.59	91.26	6.2	33.56	7.9	25.4	0.82
F22	21 Feb 2020	61	12.58	91.13	6.2	33.56	7.9	25.4	0.79
F22	21 Feb 2020	62	12.57	91.06	6.1	33.56	7.9	25.4	0.77
F22	21 Feb 2020	63	12.56	91.02	6.0	33.57	7.9	25.4	0.75
F22	21 Feb 2020	64	12.51	90.97	5.9	33.58	7.9	25.4	0.73
F22	21 Feb 2020	65	12.39	90.78	5.8	33.59	7.8	25.4	0.70
F22	21 Feb 2020	66	12.28	90.38	5.5	33.59	7.8	25.4	0.68
F22	21 Feb 2020	67	12.21	89.64	5.4	33.59	7.8	25.5	0.62
F22	21 Feb 2020	68	12.18	89.25	5.2	33.60	7.8	25.5	0.56
F22	21 Feb 2020	69	12.14	88.99	5.2	33.59	7.8	25.5	0.51
F22	21 Feb 2020	70	12.10	88.78	5.1	33.59	7.8	25.5	0.47
F22	21 Feb 2020	71	12.10	88.54	5.1	33.58	7.8	25.5	0.45
F22	21 Feb 2020	72	12.10	88.48	5.1	33.59	7.8	25.5	0.43
F22	21 Feb 2020	73	12.05	88.47	5.0	33.59	7.8	25.5	0.41
F22	21 Feb 2020	74	12.01	88.32	5.0	33.58	7.8	25.5	0.39
F22	21 Feb 2020	75	11.98	88.21	5.0	33.58	7.8	25.5	0.37
F22	21 Feb 2020	76	11.94	88.16	5.0	33.59	7.8	25.5	0.36
F22	21 Feb 2020	77	11.90	88.23	5.0	33.59	7.8	25.5	0.36
F22	21 Feb 2020	78	11.95	88.25	4.8	33.61	7.8	25.5	0.34
F22	21 Feb 2020	79	11.98	87.13	4.7	33.64	7.8	25.5	0.34
F22	21 Feb 2020	80	11.97	84.40	4.7	33.64	7.8	25.5	0.33
F22	21 Feb 2020	81	11.97	83.13	4.6	33.64	7.8	25.5	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F22	21 Feb 2020	82	11.96	81.85	4.6	33.64	7.8	25.5	0.33
F22	21 Feb 2020	83	11.97	81.80	4.6	33.64	7.8	25.5	0.31
F23	21 Feb 2020	1	15.68	89.80	8.0	33.53	8.1	24.7	0.40
F23	21 Feb 2020	2	15.68	89.56	8.0	33.53	8.1	24.7	0.39
F23	21 Feb 2020	3	15.66	89.65	8.1	33.53	8.1	24.7	0.40
F23	21 Feb 2020	4	15.65	89.64	8.0	33.53	8.1	24.7	0.42
F23	21 Feb 2020	5	15.64	89.65	8.0	33.53	8.1	24.7	0.44
F23	21 Feb 2020	6	15.64	89.67	8.0	33.53	8.1	24.7	0.44
F23	21 Feb 2020	7	15.64	89.69	8.0	33.53	8.1	24.7	0.47
F23	21 Feb 2020	8	15.63	89.72	8.0	33.53	8.1	24.7	0.48
F23	21 Feb 2020	9	15.63	89.71	8.0	33.53	8.1	24.7	0.53
F23	21 Feb 2020	10	15.62	89.68	8.0	33.53	8.1	24.7	0.50
F23	21 Feb 2020	11	15.61	89.67	8.0	33.53	8.1	24.7	0.53
F23	21 Feb 2020	12	15.57	89.64	8.0	33.54	8.1	24.7	0.55
F23	21 Feb 2020	13	15.47	89.54	8.1	33.53	8.1	24.7	0.62
F23	21 Feb 2020	14	15.46	89.42	8.1	33.52	8.1	24.7	0.61
F23	21 Feb 2020	15	15.39	89.33	8.0	33.53	8.1	24.8	0.67
F23	21 Feb 2020	16	15.31	89.45	8.1	33.53	8.1	24.8	0.68
F23	21 Feb 2020	17	15.26	89.21	8.1	33.53	8.1	24.8	0.74
F23	21 Feb 2020	18	15.22	88.84	8.2	33.53	8.1	24.8	0.83
F23	21 Feb 2020	19	15.20	88.59	8.2	33.53	8.1	24.8	0.90
F23	21 Feb 2020	20	15.20	88.29	8.2	33.52	8.1	24.8	0.99
F23	21 Feb 2020	21	15.19	88.04	8.3	33.53	8.1	24.8	1.03
F23	21 Feb 2020	22	15.17	87.87	8.3	33.53	8.1	24.8	1.13
F23	21 Feb 2020	23	15.14	87.68	8.3	33.53	8.1	24.8	1.25
F23	21 Feb 2020	24	15.12	87.31	8.3	33.53	8.1	24.8	1.41
F23	21 Feb 2020	25	15.11	87.05	8.3	33.52	8.1	24.8	1.55
F23	21 Feb 2020	26	15.11	86.95	8.3	33.52	8.1	24.8	1.65
F23	21 Feb 2020	27	15.11	87.20	8.2	33.52	8.1	24.8	1.72
F23	21 Feb 2020	28	15.09	87.31	8.2	33.53	8.1	24.8	1.71
F23	21 Feb 2020	29	15.08	87.41	8.1	33.53	8.1	24.8	1.76
F23	21 Feb 2020	30	15.03	87.63	8.1	33.53	8.1	24.8	1.77
F23	21 Feb 2020	31	14.91	87.95	8.0	33.53	8.1	24.9	1.74
F23	21 Feb 2020	32	14.83	88.03	7.9	33.53	8.0	24.9	1.79
F23	21 Feb 2020	33	14.71	88.09	7.8	33.52	8.0	24.9	1.85
F23	21 Feb 2020	34	14.64	88.10	7.7	33.51	8.0	24.9	2.00
F23	21 Feb 2020	35	14.63	87.93	7.7	33.50	8.0	24.9	2.15
F23	21 Feb 2020	36	14.55	87.80	7.6	33.52	8.0	24.9	2.35
F23	21 Feb 2020	37	14.34	87.77	7.5	33.53	8.0	25.0	2.43
F23	21 Feb 2020	38	14.25	88.27	7.3	33.52	8.0	25.0	2.37
F23	21 Feb 2020	39	14.16	88.74	7.2	33.52	8.0	25.0	2.37
F23	21 Feb 2020	40	14.08	88.95	7.1	33.53	8.0	25.0	2.33
F23	21 Feb 2020	41	13.89	89.21	6.9	33.54	8.0	25.1	2.30
F23	21 Feb 2020	42	13.80	89.67	6.8	33.53	7.9	25.1	2.02
F23	21 Feb 2020	43	13.71	90.11	6.7	33.53	7.9	25.1	1.81
F23	21 Feb 2020	44	13.63	90.46	6.7	33.53	7.9	25.1	1.64
F23	21 Feb 2020	45	13.52	90.35	6.6	33.54	7.9	25.2	1.59
F23	21 Feb 2020	46	13.41	90.62	6.6	33.54	7.9	25.2	1.37
F23	21 Feb 2020	47	13.34	90.99	6.5	33.54	7.9	25.2	1.40
F23	21 Feb 2020	48	13.28	91.08	6.5	33.54	7.9	25.2	1.24
F23	21 Feb 2020	49	13.24	91.21	6.5	33.54	7.9	25.2	1.21
F23	21 Feb 2020	50	13.16	91.24	6.4	33.54	7.9	25.2	1.14
F23	21 Feb 2020	51	13.07	91.32	6.4	33.55	7.9	25.3	1.04
F23	21 Feb 2020	52	12.97	91.45	6.4	33.56	7.9	25.3	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	21 Feb 2020	53	12.89	91.52	6.4	33.55	7.9	25.3	0.94
F23	21 Feb 2020	54	12.86	91.57	6.4	33.55	7.9	25.3	0.93
F23	21 Feb 2020	55	12.82	91.65	6.4	33.55	7.9	25.3	0.85
F23	21 Feb 2020	56	12.75	91.68	6.4	33.55	7.9	25.3	0.86
F23	21 Feb 2020	57	12.70	91.67	6.4	33.54	7.9	25.3	0.83
F23	21 Feb 2020	58	12.66	91.61	6.4	33.54	7.9	25.3	0.82
F23	21 Feb 2020	59	12.62	91.51	6.3	33.55	7.9	25.3	0.90
F23	21 Feb 2020	60	12.55	91.52	6.3	33.56	7.9	25.4	0.82
F23	21 Feb 2020	61	12.50	91.48	6.1	33.58	7.9	25.4	0.80
F23	21 Feb 2020	62	12.49	91.33	6.0	33.59	7.9	25.4	0.77
F23	21 Feb 2020	63	12.49	91.28	6.0	33.59	7.9	25.4	0.75
F23	21 Feb 2020	64	12.48	91.08	5.9	33.59	7.9	25.4	0.73
F23	21 Feb 2020	65	12.47	90.89	5.9	33.59	7.9	25.4	0.72
F23	21 Feb 2020	66	12.44	90.92	5.8	33.60	7.8	25.4	0.68
F23	21 Feb 2020	67	12.39	90.83	5.7	33.61	7.8	25.4	0.70
F23	21 Feb 2020	68	12.37	90.52	5.7	33.61	7.8	25.4	0.70
F23	21 Feb 2020	69	12.34	90.24	5.6	33.62	7.8	25.5	0.65
F23	21 Feb 2020	70	12.28	90.12	5.5	33.63	7.8	25.5	0.62
F23	21 Feb 2020	71	12.24	90.02	5.5	33.63	7.8	25.5	0.61
F23	21 Feb 2020	72	12.22	89.92	5.5	33.63	7.8	25.5	0.60
F23	21 Feb 2020	73	12.19	89.89	5.4	33.64	7.8	25.5	0.56
F23	21 Feb 2020	74	12.15	89.73	5.4	33.64	7.8	25.5	0.56
F23	21 Feb 2020	75	12.14	89.28	5.3	33.64	7.8	25.5	0.53
F23	21 Feb 2020	76	12.13	88.89	5.3	33.64	7.8	25.5	0.50
F23	21 Feb 2020	77	12.12	88.30	5.2	33.65	7.8	25.5	0.49
F23	21 Feb 2020	78	12.10	87.70	5.2	33.65	7.8	25.5	0.49
F23	21 Feb 2020	79	12.06	87.15	5.1	33.66	7.8	25.5	0.50
F23	21 Feb 2020	80	12.00	86.06	5.0	33.67	7.8	25.6	0.46
F23	21 Feb 2020	81	12.00	84.71	5.0	33.67	7.8	25.6	0.45
F23	21 Feb 2020	82	11.99	83.44	5.0	33.67	7.8	25.6	0.42
F23	21 Feb 2020	83	11.98	82.23	5.0	33.67	7.8	25.6	0.42
F24	21 Feb 2020	1	15.63	89.90	8.0	33.53	8.1	24.7	0.38
F24	21 Feb 2020	2	15.62	89.77	8.0	33.53	8.1	24.7	0.38
F24	21 Feb 2020	3	15.61	89.59	8.0	33.53	8.1	24.7	0.39
F24	21 Feb 2020	4	15.60	89.77	8.0	33.53	8.1	24.7	0.41
F24	21 Feb 2020	5	15.57	89.81	8.0	33.53	8.1	24.7	0.40
F24	21 Feb 2020	6	15.49	89.84	8.0	33.53	8.1	24.7	0.43
F24	21 Feb 2020	7	15.48	89.76	8.0	33.52	8.1	24.7	0.45
F24	21 Feb 2020	8	15.47	89.72	8.0	33.52	8.1	24.7	0.48
F24	21 Feb 2020	9	15.46	89.75	8.0	33.52	8.1	24.7	0.46
F24	21 Feb 2020	10	15.46	89.86	8.0	33.52	8.1	24.7	0.47
F24	21 Feb 2020	11	15.45	89.77	8.0	33.52	8.1	24.7	0.51
F24	21 Feb 2020	12	15.44	89.79	8.0	33.52	8.1	24.7	0.52
F24	21 Feb 2020	13	15.42	89.79	8.0	33.52	8.1	24.7	0.58
F24	21 Feb 2020	14	15.40	89.80	8.0	33.52	8.1	24.7	0.61
F24	21 Feb 2020	15	15.38	89.79	8.0	33.52	8.1	24.7	0.68
F24	21 Feb 2020	16	15.33	89.70	8.0	33.52	8.1	24.8	0.75
F24	21 Feb 2020	17	15.30	89.57	8.1	33.52	8.1	24.8	0.81
F24	21 Feb 2020	18	15.29	89.23	8.1	33.52	8.1	24.8	0.87
F24	21 Feb 2020	19	15.29	89.12	8.1	33.52	8.1	24.8	0.97
F24	21 Feb 2020	20	15.28	89.07	8.1	33.52	8.1	24.8	1.02
F24	21 Feb 2020	21	15.27	88.98	8.1	33.52	8.1	24.8	1.06
F24	21 Feb 2020	22	15.23	88.86	8.1	33.52	8.1	24.8	1.08
F24	21 Feb 2020	23	15.22	88.62	8.1	33.52	8.1	24.8	1.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F24	21 Feb 2020	24	15.20	88.37	8.2	33.52	8.1	24.8	1.20
F24	21 Feb 2020	25	15.19	88.28	8.1	33.52	8.1	24.8	1.28
F24	21 Feb 2020	26	15.15	88.08	8.1	33.52	8.1	24.8	1.32
F24	21 Feb 2020	27	15.11	87.97	8.1	33.52	8.1	24.8	1.46
F24	21 Feb 2020	28	15.09	87.98	8.1	33.52	8.1	24.8	1.52
F24	21 Feb 2020	29	15.09	88.01	8.2	33.52	8.1	24.8	1.57
F24	21 Feb 2020	30	15.09	88.02	8.1	33.52	8.1	24.8	1.59
F24	21 Feb 2020	31	15.08	87.99	8.1	33.52	8.1	24.8	1.63
F24	21 Feb 2020	32	15.07	87.97	8.1	33.52	8.1	24.8	1.61
F24	21 Feb 2020	33	15.04	87.93	8.1	33.52	8.1	24.8	1.61
F24	21 Feb 2020	34	15.02	87.94	8.1	33.52	8.1	24.8	1.67
F24	21 Feb 2020	35	15.00	87.78	8.1	33.52	8.1	24.8	1.77
F24	21 Feb 2020	36	14.96	87.63	8.0	33.53	8.1	24.8	1.83
F24	21 Feb 2020	37	14.92	87.31	8.0	33.53	8.0	24.9	2.01
F24	21 Feb 2020	38	14.86	86.87	8.0	33.53	8.0	24.9	2.24
F24	21 Feb 2020	39	14.79	86.83	7.9	33.53	8.0	24.9	2.26
F24	21 Feb 2020	40	14.75	87.05	7.8	33.52	8.0	24.9	2.27
F24	21 Feb 2020	41	14.72	87.39	7.8	33.52	8.0	24.9	2.20
F24	21 Feb 2020	42	14.66	87.47	7.7	33.52	8.0	24.9	2.14
F24	21 Feb 2020	43	14.56	87.58	7.6	33.52	8.0	24.9	2.19
F24	21 Feb 2020	44	14.47	87.58	7.5	33.53	8.0	25.0	2.31
F24	21 Feb 2020	45	14.38	87.48	7.5	33.52	8.0	25.0	2.47
F24	21 Feb 2020	46	14.35	87.58	7.4	33.52	8.0	25.0	2.42
F24	21 Feb 2020	47	14.32	87.74	7.4	33.52	8.0	25.0	2.40
F24	21 Feb 2020	48	14.24	87.92	7.3	33.52	8.0	25.0	2.44
F24	21 Feb 2020	49	14.07	88.22	7.1	33.53	8.0	25.0	2.28
F24	21 Feb 2020	50	13.88	88.88	7.0	33.53	8.0	25.1	2.27
F24	21 Feb 2020	51	13.81	89.67	6.9	33.52	7.9	25.1	1.93
F24	21 Feb 2020	52	13.72	90.17	6.8	33.52	7.9	25.1	1.77
F24	21 Feb 2020	53	13.56	90.47	6.7	33.54	7.9	25.1	1.70
F24	21 Feb 2020	54	13.35	90.80	6.6	33.54	7.9	25.2	1.36
F24	21 Feb 2020	55	13.18	91.02	6.5	33.54	7.9	25.2	1.25
F24	21 Feb 2020	56	13.14	91.15	6.5	33.53	7.9	25.2	1.11
F24	21 Feb 2020	57	13.10	91.31	6.4	33.53	7.9	25.2	1.06
F24	21 Feb 2020	58	13.05	91.39	6.4	33.53	7.9	25.2	1.02
F24	21 Feb 2020	59	13.03	91.42	6.4	33.53	7.9	25.2	0.97
F24	21 Feb 2020	60	12.99	91.43	6.4	33.53	7.9	25.3	0.94
F24	21 Feb 2020	61	12.92	91.47	6.3	33.55	7.9	25.3	0.91
F24	21 Feb 2020	62	12.88	91.53	6.3	33.55	7.9	25.3	0.91
F24	21 Feb 2020	63	12.83	91.62	6.3	33.56	7.9	25.3	0.89
F24	21 Feb 2020	64	12.69	91.65	6.2	33.57	7.9	25.3	0.81
F24	21 Feb 2020	65	12.64	91.65	6.2	33.57	7.9	25.4	0.77
F24	21 Feb 2020	66	12.58	91.62	6.2	33.57	7.9	25.4	0.73
F24	21 Feb 2020	67	12.55	91.40	6.1	33.57	7.9	25.4	0.72
F24	21 Feb 2020	68	12.51	91.19	6.1	33.57	7.9	25.4	0.71
F24	21 Feb 2020	69	12.44	91.10	6.0	33.59	7.9	25.4	0.70
F24	21 Feb 2020	70	12.37	91.04	5.9	33.60	7.9	25.4	0.66
F24	21 Feb 2020	71	12.28	91.12	5.8	33.62	7.8	25.5	0.67
F24	21 Feb 2020	72	12.16	90.84	5.6	33.64	7.8	25.5	0.63
F24	21 Feb 2020	73	12.09	90.47	5.4	33.66	7.8	25.5	0.61
F24	21 Feb 2020	74	12.05	89.92	5.3	33.66	7.8	25.5	0.54
F24	21 Feb 2020	75	12.02	89.11	5.2	33.66	7.8	25.5	0.52
F24	21 Feb 2020	76	12.01	88.45	5.2	33.66	7.8	25.6	0.48
F24	21 Feb 2020	77	12.01	88.25	5.2	33.66	7.8	25.6	0.45
F24	21 Feb 2020	78	12.00	88.09	5.2	33.66	7.8	25.6	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	21 Feb 2020	79	12.00	87.94	5.2	33.67	7.8	25.6	0.42
F24	21 Feb 2020	80	11.99	87.81	5.1	33.67	7.8	25.6	0.43
F24	21 Feb 2020	81	11.98	87.53	5.1	33.67	7.8	25.6	0.43
F24	21 Feb 2020	82	11.95	87.17	5.1	33.68	7.8	25.6	0.43
F24	21 Feb 2020	83	11.93	86.45	5.0	33.68	7.8	25.6	0.42
F25	21 Feb 2020	1	15.61	89.77	8.0	33.53	8.0	24.7	0.45
F25	21 Feb 2020	2	15.60	89.27	8.1	33.53	8.0	24.7	0.43
F25	21 Feb 2020	3	15.60	88.62	8.0	33.53	8.0	24.7	0.46
F25	21 Feb 2020	4	15.60	89.21	8.0	33.53	8.0	24.7	0.46
F25	21 Feb 2020	5	15.60	89.54	8.0	33.53	8.0	24.7	0.48
F25	21 Feb 2020	6	15.59	89.69	8.0	33.53	8.0	24.7	0.48
F25	21 Feb 2020	7	15.59	89.76	8.0	33.53	8.0	24.7	0.51
F25	21 Feb 2020	8	15.59	89.45	8.0	33.53	8.0	24.7	0.50
F25	21 Feb 2020	9	15.59	89.58	8.0	33.53	8.0	24.7	0.50
F25	21 Feb 2020	10	15.58	89.76	8.0	33.53	8.0	24.7	0.52
F25	21 Feb 2020	11	15.57	89.78	8.0	33.53	8.0	24.7	0.52
F25	21 Feb 2020	12	15.57	89.81	8.0	33.53	8.0	24.7	0.55
F25	21 Feb 2020	13	15.57	89.79	8.0	33.53	8.0	24.7	0.56
F25	21 Feb 2020	14	15.53	89.87	8.0	33.53	8.0	24.7	0.54
F25	21 Feb 2020	15	15.45	89.83	8.0	33.53	8.0	24.7	0.57
F25	21 Feb 2020	16	15.43	89.75	8.0	33.52	8.0	24.7	0.58
F25	21 Feb 2020	17	15.41	89.68	8.0	33.52	8.0	24.7	0.59
F25	21 Feb 2020	18	15.38	89.61	8.1	33.52	8.0	24.8	0.63
F25	21 Feb 2020	19	15.34	89.47	8.1	33.52	8.0	24.8	0.71
F25	21 Feb 2020	20	15.32	89.36	8.0	33.52	8.0	24.8	0.76
F25	21 Feb 2020	21	15.30	89.45	8.1	33.52	8.0	24.8	0.79
F25	21 Feb 2020	22	15.28	89.45	8.1	33.52	8.0	24.8	0.86
F25	21 Feb 2020	23	15.27	89.33	8.1	33.52	8.0	24.8	0.88
F25	21 Feb 2020	24	15.25	89.23	8.1	33.52	8.0	24.8	0.95
F25	21 Feb 2020	25	15.25	89.09	8.1	33.52	8.0	24.8	1.00
F25	21 Feb 2020	26	15.24	89.02	8.1	33.52	8.0	24.8	1.09
F25	21 Feb 2020	27	15.22	88.74	8.1	33.52	8.0	24.8	1.13
F25	21 Feb 2020	28	15.18	88.40	8.2	33.53	8.0	24.8	1.24
F25	21 Feb 2020	29	15.14	88.17	8.2	33.53	8.0	24.8	1.35
F25	21 Feb 2020	30	15.06	87.82	8.1	33.53	8.0	24.8	1.50
F25	21 Feb 2020	31	14.90	87.37	8.0	33.54	8.0	24.9	1.71
F25	21 Feb 2020	32	14.83	87.25	7.9	33.52	8.0	24.9	1.93
F25	21 Feb 2020	33	14.81	86.98	7.9	33.52	8.0	24.9	2.26
F25	21 Feb 2020	34	14.77	86.76	7.8	33.52	8.0	24.9	2.52
F25	21 Feb 2020	35	14.76	86.81	7.8	33.52	8.0	24.9	2.70
F25	21 Feb 2020	36	14.76	86.78	7.8	33.52	8.0	24.9	2.79
F25	21 Feb 2020	37	14.76	86.69	7.8	33.52	8.0	24.9	2.81
F25	21 Feb 2020	38	14.76	86.72	7.9	33.52	8.0	24.9	2.81
F25	21 Feb 2020	39	14.75	86.65	7.8	33.52	8.0	24.9	2.79
F25	21 Feb 2020	40	14.74	86.53	7.8	33.52	8.0	24.9	2.76
F25	21 Feb 2020	41	14.71	86.66	7.8	33.53	8.0	24.9	2.77
F25	21 Feb 2020	42	14.58	86.60	7.6	33.54	8.0	24.9	2.67
F25	21 Feb 2020	43	14.36	86.80	7.4	33.54	8.0	25.0	2.77
F25	21 Feb 2020	44	14.24	87.29	7.3	33.53	8.0	25.0	2.66
F25	21 Feb 2020	45	14.16	88.05	7.2	33.52	8.0	25.0	2.33
F25	21 Feb 2020	46	14.08	88.72	7.1	33.52	8.0	25.0	2.13
F25	21 Feb 2020	47	14.01	89.22	7.1	33.52	7.9	25.0	2.06
F25	21 Feb 2020	48	13.94	89.64	7.0	33.52	7.9	25.1	1.99
F25	21 Feb 2020	49	13.88	89.84	6.9	33.51	7.9	25.1	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F25	21 Feb 2020	50	13.84	90.21	6.9	33.51	7.9	25.1	1.72
F25	21 Feb 2020	51	13.80	90.37	6.8	33.51	7.9	25.1	1.56
F25	21 Feb 2020	52	13.55	90.55	6.7	33.55	7.9	25.2	1.45
F25	21 Feb 2020	53	13.28	90.75	6.6	33.54	7.9	25.2	1.47
F25	21 Feb 2020	54	13.14	91.05	6.6	33.53	7.9	25.2	1.31
F25	21 Feb 2020	55	13.09	91.25	6.5	33.52	7.9	25.2	1.20
F25	21 Feb 2020	56	13.07	91.42	6.5	33.52	7.9	25.2	1.14
F25	21 Feb 2020	57	13.03	91.47	6.5	33.53	7.9	25.2	1.01
F25	21 Feb 2020	58	12.97	91.46	6.4	33.53	7.9	25.3	0.99
F25	21 Feb 2020	59	12.91	91.46	6.4	33.54	7.9	25.3	0.97
F25	21 Feb 2020	60	12.78	91.35	6.4	33.54	7.9	25.3	0.95
F25	21 Feb 2020	61	12.70	91.49	6.3	33.55	7.9	25.3	0.90
F25	21 Feb 2020	62	12.67	91.63	6.3	33.56	7.9	25.3	0.82
F25	21 Feb 2020	63	12.64	91.72	6.2	33.56	7.9	25.4	0.78
F25	21 Feb 2020	64	12.60	91.72	6.2	33.58	7.9	25.4	0.74
F25	21 Feb 2020	65	12.45	91.70	6.1	33.60	7.8	25.4	0.73
F25	21 Feb 2020	66	12.39	91.46	5.9	33.60	7.8	25.4	0.70
F25	21 Feb 2020	67	12.35	91.08	5.8	33.61	7.8	25.4	0.68
F25	21 Feb 2020	68	12.29	90.51	5.7	33.62	7.8	25.5	0.65
F25	21 Feb 2020	69	12.26	89.90	5.6	33.62	7.8	25.5	0.62
F25	21 Feb 2020	70	12.23	89.49	5.6	33.62	7.8	25.5	0.58
F25	21 Feb 2020	71	12.18	89.30	5.5	33.65	7.8	25.5	0.56
F25	21 Feb 2020	72	12.09	88.73	5.4	33.66	7.8	25.5	0.53
F25	21 Feb 2020	73	12.07	88.15	5.4	33.65	7.8	25.5	0.50
F25	21 Feb 2020	74	12.02	87.73	5.4	33.66	7.8	25.5	0.47
F25	21 Feb 2020	75	12.00	87.66	5.3	33.66	7.8	25.5	0.45
F25	21 Feb 2020	76	11.99	87.50	5.3	33.66	7.8	25.5	0.45
F25	21 Feb 2020	77	11.98	87.36	5.3	33.66	7.8	25.6	0.44
F25	21 Feb 2020	78	11.96	87.19	5.3	33.66	7.8	25.6	0.43
F25	21 Feb 2020	79	11.95	86.93	5.2	33.66	7.8	25.6	0.41
F25	21 Feb 2020	80	11.94	86.58	5.2	33.66	7.8	25.6	0.41
F25	21 Feb 2020	81	11.96	86.01	5.2	33.66	7.8	25.6	0.39
F26	19 Feb 2020	1	15.81	91.18	7.8	33.48	8.1	24.6	0.25
F26	19 Feb 2020	2	15.80	91.16	7.8	33.48	8.1	24.6	0.25
F26	19 Feb 2020	3	15.77	91.14	7.8	33.49	8.1	24.6	0.24
F26	19 Feb 2020	4	15.75	91.23	7.8	33.49	8.1	24.6	0.24
F26	19 Feb 2020	5	15.72	91.21	7.9	33.49	8.1	24.6	0.25
F26	19 Feb 2020	6	15.69	91.21	7.8	33.49	8.1	24.7	0.26
F26	19 Feb 2020	7	15.66	91.18	7.9	33.49	8.1	24.7	0.27
F26	19 Feb 2020	8	15.62	91.18	7.8	33.49	8.1	24.7	0.27
F26	19 Feb 2020	9	15.62	91.17	7.8	33.49	8.1	24.7	0.27
F26	19 Feb 2020	10	15.56	91.09	7.9	33.49	8.1	24.7	0.29
F26	19 Feb 2020	11	15.54	91.17	7.8	33.49	8.1	24.7	0.29
F26	19 Feb 2020	12	15.53	91.15	7.9	33.49	8.1	24.7	0.29
F26	19 Feb 2020	13	15.50	91.21	7.9	33.49	8.1	24.7	0.29
F26	19 Feb 2020	14	15.49	91.20	7.9	33.49	8.1	24.7	0.31
F26	19 Feb 2020	15	15.49	91.15	7.9	33.49	8.1	24.7	0.33
F26	19 Feb 2020	16	15.47	91.10	7.9	33.49	8.1	24.7	0.34
F26	19 Feb 2020	17	15.45	90.94	7.9	33.49	8.1	24.7	0.36
F26	19 Feb 2020	18	15.42	90.96	7.9	33.49	8.1	24.7	0.35
F26	19 Feb 2020	19	15.40	90.95	7.9	33.48	8.1	24.7	0.35
F26	19 Feb 2020	20	15.40	90.93	7.9	33.48	8.1	24.7	0.36
F26	19 Feb 2020	21	15.39	90.84	7.9	33.48	8.1	24.7	0.38
F26	19 Feb 2020	22	15.37	90.89	7.9	33.49	8.1	24.7	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F26	19 Feb 2020	23	15.36	90.85	7.9	33.49	8.1	24.7	0.42
F26	19 Feb 2020	24	15.33	90.77	7.9	33.49	8.1	24.7	0.47
F26	19 Feb 2020	25	15.31	90.74	7.9	33.49	8.1	24.7	0.49
F26	19 Feb 2020	26	15.27	90.68	7.9	33.50	8.1	24.8	0.51
F26	19 Feb 2020	27	15.25	90.61	8.0	33.51	8.1	24.8	0.57
F26	19 Feb 2020	28	15.22	90.63	7.9	33.50	8.1	24.8	0.56
F26	19 Feb 2020	29	15.20	90.55	7.9	33.50	8.1	24.8	0.63
F26	19 Feb 2020	30	15.10	90.54	7.9	33.50	8.1	24.8	0.61
F26	19 Feb 2020	31	15.06	90.53	7.9	33.49	8.1	24.8	0.65
F26	19 Feb 2020	32	14.97	90.55	7.9	33.50	8.1	24.8	0.70
F26	19 Feb 2020	33	14.71	90.26	7.8	33.49	8.1	24.9	0.76
F26	19 Feb 2020	34	14.50	89.50	7.8	33.48	8.0	24.9	0.89
F26	19 Feb 2020	35	14.37	89.10	7.7	33.46	8.0	24.9	1.29
F26	19 Feb 2020	36	14.29	89.20	7.6	33.45	8.0	24.9	1.50
F26	19 Feb 2020	37	14.15	89.24	7.6	33.44	8.0	25.0	1.63
F26	19 Feb 2020	38	14.10	89.10	7.6	33.44	8.0	25.0	1.70
F26	19 Feb 2020	39	14.01	89.48	7.6	33.43	8.0	25.0	1.78
F26	19 Feb 2020	40	13.90	90.01	7.5	33.45	8.0	25.0	1.79
F26	19 Feb 2020	41	13.83	90.22	7.5	33.44	8.0	25.0	1.66
F26	19 Feb 2020	42	13.75	90.32	7.4	33.44	8.0	25.0	1.66
F26	19 Feb 2020	43	13.75	90.45	7.4	33.44	8.0	25.0	1.62
F26	19 Feb 2020	44	13.66	90.52	7.3	33.46	8.0	25.1	1.65
F26	19 Feb 2020	45	13.62	90.79	7.3	33.45	8.0	25.1	1.54
F26	19 Feb 2020	46	13.44	91.01	7.2	33.47	8.0	25.1	1.33
F26	19 Feb 2020	47	13.38	91.06	7.2	33.47	8.0	25.1	1.26
F26	19 Feb 2020	48	13.29	91.14	7.2	33.47	8.0	25.2	1.16
F26	19 Feb 2020	49	13.23	91.23	7.1	33.48	8.0	25.2	1.12
F26	19 Feb 2020	50	13.18	91.35	7.1	33.48	8.0	25.2	1.12
F26	19 Feb 2020	51	12.99	91.43	7.0	33.51	8.0	25.2	1.06
F26	19 Feb 2020	52	12.66	91.70	7.0	33.48	7.9	25.3	0.95
F26	19 Feb 2020	53	12.55	91.80	6.9	33.48	7.9	25.3	0.86
F26	19 Feb 2020	54	12.54	91.82	6.9	33.47	7.9	25.3	0.83
F26	19 Feb 2020	55	12.51	91.83	6.9	33.47	7.9	25.3	0.82
F26	19 Feb 2020	56	12.49	91.83	6.8	33.48	7.9	25.3	0.80
F26	19 Feb 2020	57	12.44	91.79	6.6	33.51	7.9	25.3	0.78
F26	19 Feb 2020	58	12.40	91.71	6.5	33.52	7.9	25.4	0.76
F26	19 Feb 2020	59	12.39	91.67	6.4	33.52	7.9	25.4	0.74
F26	19 Feb 2020	60	12.36	91.54	6.3	33.53	7.9	25.4	0.77
F26	19 Feb 2020	61	12.35	91.36	6.2	33.53	7.9	25.4	0.69
F26	19 Feb 2020	62	12.33	91.17	6.0	33.54	7.9	25.4	0.67
F26	19 Feb 2020	63	12.29	90.86	5.7	33.56	7.8	25.4	0.62
F26	19 Feb 2020	64	12.28	90.34	5.5	33.57	7.8	25.4	0.59
F26	19 Feb 2020	65	12.27	90.21	5.5	33.57	7.8	25.4	0.56
F26	19 Feb 2020	66	12.25	90.14	5.4	33.58	7.8	25.4	0.54
F26	19 Feb 2020	67	12.22	89.78	5.3	33.58	7.8	25.4	0.53
F26	19 Feb 2020	68	12.13	89.28	5.0	33.60	7.8	25.5	0.49
F26	19 Feb 2020	69	12.11	88.71	5.0	33.59	7.8	25.5	0.44
F26	19 Feb 2020	70	12.07	88.54	4.9	33.59	7.8	25.5	0.41
F26	19 Feb 2020	71	12.05	88.45	4.9	33.59	7.8	25.5	0.40
F26	19 Feb 2020	72	12.05	88.31	4.8	33.59	7.8	25.5	0.38
F26	19 Feb 2020	73	12.03	88.22	4.8	33.59	7.8	25.5	0.37
F26	19 Feb 2020	74	12.03	87.84	4.8	33.59	7.8	25.5	0.36
F26	19 Feb 2020	75	12.02	87.63	4.8	33.60	7.8	25.5	0.37
F26	19 Feb 2020	76	12.02	87.37	4.8	33.60	7.8	25.5	0.36
F26	19 Feb 2020	77	11.99	86.81	4.8	33.61	7.8	25.5	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	19 Feb 2020	78	11.93	86.01	4.7	33.62	7.8	25.5	0.36
F26	19 Feb 2020	79	11.89	84.89	4.7	33.62	7.8	25.5	0.34
F26	19 Feb 2020	80	11.80	83.53	4.6	33.65	7.8	25.6	0.33
F26	19 Feb 2020	81	11.77	82.29	4.5	33.65	7.8	25.6	0.30
F26	19 Feb 2020	82	11.74	82.08	4.5	33.65	7.8	25.6	0.28
F26	19 Feb 2020	83	11.70	81.34	4.4	33.66	7.7	25.6	0.28
F26	19 Feb 2020	84	11.69	80.97	4.4	33.66	7.7	25.6	0.27
F26	19 Feb 2020	85	11.67	80.52	4.4	33.67	7.7	25.6	0.27
F26	19 Feb 2020	86	11.62	80.07	4.3	33.68	7.7	25.6	0.27
F26	19 Feb 2020	87	11.56	79.74	4.2	33.69	7.7	25.7	0.27
F26	19 Feb 2020	88	11.52	79.56	4.2	33.71	7.7	25.7	0.24
F26	19 Feb 2020	89	11.46	79.41	4.2	33.73	7.7	25.7	0.23
F26	19 Feb 2020	90	11.41	79.17	4.1	33.75	7.7	25.7	0.22
F26	19 Feb 2020	91	11.32	79.19	4.0	33.79	7.7	25.8	0.23
F26	19 Feb 2020	92	11.22	79.32	4.0	33.84	7.7	25.8	0.22
F26	19 Feb 2020	93	11.20	79.30	4.0	33.84	7.7	25.8	0.22
F26	19 Feb 2020	94	11.19	78.86	3.9	33.85	7.7	25.8	0.21
F26	19 Feb 2020	95	11.19	78.78	3.9	33.85	7.7	25.8	0.21
F26	19 Feb 2020	96	11.18	78.28	3.9	33.85	7.7	25.8	0.22
F26	19 Feb 2020	97	11.18	78.20	3.9	33.85	7.7	25.8	0.23
F26	19 Feb 2020	98	11.18	77.93	3.9	33.85	7.7	25.8	0.22
F26	19 Feb 2020	99	11.19	77.48	3.9	33.85	7.7	25.8	0.22
F27	19 Feb 2020	1	15.87	91.30	7.8	33.49	8.1	24.6	0.23
F27	19 Feb 2020	2	15.84	91.32	7.8	33.49	8.1	24.6	0.23
F27	19 Feb 2020	3	15.81	91.29	7.8	33.49	8.1	24.6	0.23
F27	19 Feb 2020	4	15.79	91.39	7.8	33.49	8.1	24.6	0.23
F27	19 Feb 2020	5	15.77	91.34	7.8	33.49	8.1	24.6	0.23
F27	19 Feb 2020	6	15.73	91.30	7.8	33.50	8.1	24.7	0.24
F27	19 Feb 2020	7	15.67	91.31	7.8	33.50	8.1	24.7	0.25
F27	19 Feb 2020	8	15.59	91.32	7.9	33.49	8.1	24.7	0.26
F27	19 Feb 2020	9	15.60	91.23	7.9	33.49	8.1	24.7	0.26
F27	19 Feb 2020	10	15.58	91.21	7.9	33.49	8.1	24.7	0.27
F27	19 Feb 2020	11	15.52	91.20	7.9	33.49	8.1	24.7	0.29
F27	19 Feb 2020	12	15.49	91.15	7.9	33.49	8.1	24.7	0.29
F27	19 Feb 2020	13	15.45	91.13	7.9	33.49	8.1	24.7	0.29
F27	19 Feb 2020	14	15.42	91.20	7.9	33.48	8.1	24.7	0.30
F27	19 Feb 2020	15	15.42	91.21	7.9	33.48	8.1	24.7	0.31
F27	19 Feb 2020	16	15.40	91.22	7.9	33.48	8.1	24.7	0.32
F27	19 Feb 2020	17	15.38	91.09	7.9	33.48	8.1	24.7	0.33
F27	19 Feb 2020	18	15.38	91.26	7.9	33.48	8.1	24.7	0.33
F27	19 Feb 2020	19	15.37	91.30	7.9	33.48	8.1	24.7	0.35
F27	19 Feb 2020	20	15.35	91.31	7.9	33.48	8.1	24.7	0.35
F27	19 Feb 2020	21	15.35	91.30	7.9	33.48	8.1	24.7	0.37
F27	19 Feb 2020	22	15.34	91.26	7.9	33.48	8.1	24.7	0.38
F27	19 Feb 2020	23	15.33	91.25	7.9	33.48	8.1	24.7	0.41
F27	19 Feb 2020	24	15.30	91.20	7.9	33.48	8.1	24.7	0.41
F27	19 Feb 2020	25	15.29	91.12	7.9	33.48	8.1	24.7	0.45
F27	19 Feb 2020	26	15.27	91.07	7.9	33.48	8.1	24.7	0.47
F27	19 Feb 2020	27	15.20	90.94	7.9	33.49	8.1	24.8	0.50
F27	19 Feb 2020	28	15.18	90.80	7.9	33.49	8.1	24.8	0.55
F27	19 Feb 2020	29	15.07	90.75	7.9	33.52	8.1	24.8	0.60
F27	19 Feb 2020	30	14.84	90.58	7.9	33.50	8.1	24.9	0.64
F27	19 Feb 2020	31	14.71	90.35	7.9	33.48	8.1	24.9	0.72
F27	19 Feb 2020	32	14.69	90.17	7.9	33.46	8.1	24.9	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	19 Feb 2020	33	14.71	90.22	7.8	33.47	8.1	24.9	0.84
F27	19 Feb 2020	34	14.52	90.22	7.7	33.50	8.0	24.9	0.88
F27	19 Feb 2020	35	14.17	89.69	7.7	33.46	8.0	25.0	1.01
F27	19 Feb 2020	36	14.02	88.92	7.6	33.47	8.0	25.0	1.27
F27	19 Feb 2020	37	13.85	89.22	7.5	33.45	8.0	25.0	1.54
F27	19 Feb 2020	38	13.74	89.88	7.5	33.45	8.0	25.0	1.67
F27	19 Feb 2020	39	13.62	90.29	7.4	33.45	8.0	25.1	1.50
F27	19 Feb 2020	40	13.53	90.47	7.3	33.45	8.0	25.1	1.51
F27	19 Feb 2020	41	13.47	90.73	7.3	33.45	8.0	25.1	1.44
F27	19 Feb 2020	42	13.45	90.96	7.3	33.46	8.0	25.1	1.28
F27	19 Feb 2020	43	13.44	90.94	7.2	33.45	8.0	25.1	1.31
F27	19 Feb 2020	44	13.43	90.97	7.2	33.46	8.0	25.1	1.28
F27	19 Feb 2020	45	13.43	91.06	7.2	33.46	8.0	25.1	1.16
F27	19 Feb 2020	46	13.39	91.08	7.2	33.47	8.0	25.1	1.28
F27	19 Feb 2020	47	13.24	91.15	7.2	33.49	8.0	25.2	1.27
F27	19 Feb 2020	48	13.13	91.24	7.1	33.49	8.0	25.2	1.22
F27	19 Feb 2020	49	13.07	91.33	7.1	33.48	8.0	25.2	1.14
F27	19 Feb 2020	50	13.03	91.40	7.1	33.48	8.0	25.2	1.10
F27	19 Feb 2020	51	12.97	91.46	7.0	33.48	8.0	25.2	1.07
F27	19 Feb 2020	52	12.85	91.53	7.0	33.49	8.0	25.3	1.00
F27	19 Feb 2020	53	12.72	91.59	7.0	33.49	8.0	25.3	0.94
F27	19 Feb 2020	54	12.57	91.67	6.9	33.49	8.0	25.3	0.90
F27	19 Feb 2020	55	12.43	91.74	6.9	33.50	7.9	25.3	0.93
F27	19 Feb 2020	56	12.34	91.81	6.9	33.48	7.9	25.3	0.95
F27	19 Feb 2020	57	12.32	91.86	6.8	33.48	7.9	25.4	0.87
F27	19 Feb 2020	58	12.27	91.89	6.8	33.49	7.9	25.4	0.83
F27	19 Feb 2020	59	12.23	91.93	6.8	33.49	7.9	25.4	0.78
F27	19 Feb 2020	60	12.19	91.97	6.7	33.51	7.9	25.4	0.74
F27	19 Feb 2020	61	12.13	91.89	6.4	33.53	7.9	25.4	0.72
F27	19 Feb 2020	62	12.10	91.54	6.0	33.56	7.9	25.4	0.70
F27	19 Feb 2020	63	12.08	91.09	5.7	33.56	7.9	25.5	0.64
F27	19 Feb 2020	64	12.06	90.60	5.5	33.58	7.8	25.5	0.60
F27	19 Feb 2020	65	12.05	90.22	5.4	33.58	7.8	25.5	0.54
F27	19 Feb 2020	66	12.03	90.04	5.3	33.58	7.8	25.5	0.50
F27	19 Feb 2020	67	11.98	89.78	5.1	33.60	7.8	25.5	0.49
F27	19 Feb 2020	68	11.92	89.34	4.9	33.60	7.8	25.5	0.46
F27	19 Feb 2020	69	11.92	88.63	4.7	33.60	7.8	25.5	0.41
F27	19 Feb 2020	70	11.91	88.07	4.7	33.60	7.8	25.5	0.37
F27	19 Feb 2020	71	11.90	87.71	4.7	33.60	7.8	25.5	0.35
F27	19 Feb 2020	72	11.88	87.25	4.6	33.60	7.8	25.5	0.34
F27	19 Feb 2020	73	11.84	87.02	4.6	33.61	7.8	25.5	0.32
F27	19 Feb 2020	74	11.80	86.97	4.5	33.61	7.8	25.5	0.32
F27	19 Feb 2020	75	11.78	87.17	4.4	33.60	7.8	25.5	0.30
F27	19 Feb 2020	76	11.78	87.35	4.4	33.60	7.8	25.5	0.28
F27	19 Feb 2020	77	11.77	87.47	4.4	33.60	7.8	25.5	0.27
F27	19 Feb 2020	78	11.77	87.61	4.4	33.60	7.8	25.5	0.26
F27	19 Feb 2020	79	11.77	87.02	4.4	33.60	7.8	25.5	0.25
F27	19 Feb 2020	80	11.76	86.63	4.4	33.61	7.8	25.6	0.27
F27	19 Feb 2020	81	11.76	86.14	4.3	33.61	7.7	25.6	0.26
F27	19 Feb 2020	82	11.74	85.68	4.3	33.61	7.7	25.6	0.25
F27	19 Feb 2020	83	11.74	85.84	4.3	33.62	7.7	25.6	0.25
F27	19 Feb 2020	84	11.73	85.67	4.3	33.62	7.7	25.6	0.26
F27	19 Feb 2020	85	11.73	85.02	4.3	33.62	7.7	25.6	0.24
F27	19 Feb 2020	86	11.72	83.94	4.3	33.63	7.7	25.6	0.24
F27	19 Feb 2020	87	11.68	83.36	4.3	33.65	7.7	25.6	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	19 Feb 2020	88	11.59	81.32	4.2	33.68	7.7	25.6	0.26
F27	19 Feb 2020	89	11.52	80.12	4.2	33.70	7.7	25.7	0.23
F27	19 Feb 2020	90	11.49	79.25	4.1	33.70	7.7	25.7	0.23
F27	19 Feb 2020	91	11.46	79.17	4.1	33.72	7.7	25.7	0.22
F27	19 Feb 2020	92	11.45	79.31	4.1	33.72	7.7	25.7	0.22
F27	19 Feb 2020	93	11.43	79.28	4.1	33.73	7.7	25.7	0.22
F27	19 Feb 2020	94	11.40	78.77	4.1	33.75	7.7	25.7	0.22
F27	19 Feb 2020	95	11.39	77.52	4.1	33.75	7.7	25.7	0.22
F27	19 Feb 2020	96	11.39	76.73	4.1	33.75	7.7	25.7	0.20
F27	19 Feb 2020	97	11.39	76.91	4.1	33.75	7.7	25.7	0.22
F27	19 Feb 2020	98	11.39	77.14	4.1	33.75	7.7	25.7	0.21
F27	19 Feb 2020	99	11.39	77.31	4.1	33.75	7.7	25.7	0.21
F27	19 Feb 2020	100	11.39	75.85	4.1	33.75	7.7	25.7	0.21
F28	19 Feb 2020	1	15.78	91.38	7.8	33.49	8.1	24.6	0.24
F28	19 Feb 2020	2	15.78	91.35	7.8	33.50	8.1	24.6	0.25
F28	19 Feb 2020	3	15.72	91.27	7.8	33.50	8.1	24.7	0.25
F28	19 Feb 2020	4	15.69	91.27	7.8	33.50	8.1	24.7	0.24
F28	19 Feb 2020	5	15.65	91.33	7.8	33.50	8.1	24.7	0.25
F28	19 Feb 2020	6	15.62	91.30	7.8	33.49	8.1	24.7	0.27
F28	19 Feb 2020	7	15.60	91.32	7.8	33.49	8.1	24.7	0.27
F28	19 Feb 2020	8	15.58	91.19	7.8	33.49	8.1	24.7	0.27
F28	19 Feb 2020	9	15.57	91.19	7.8	33.49	8.1	24.7	0.29
F28	19 Feb 2020	10	15.56	91.23	7.8	33.49	8.1	24.7	0.29
F28	19 Feb 2020	11	15.55	91.21	7.8	33.49	8.1	24.7	0.28
F28	19 Feb 2020	12	15.54	91.18	7.8	33.49	8.1	24.7	0.28
F28	19 Feb 2020	13	15.54	91.16	7.8	33.49	8.1	24.7	0.30
F28	19 Feb 2020	14	15.52	91.15	7.8	33.49	8.1	24.7	0.31
F28	19 Feb 2020	15	15.49	91.15	7.8	33.49	8.1	24.7	0.31
F28	19 Feb 2020	16	15.47	91.21	7.9	33.49	8.1	24.7	0.32
F28	19 Feb 2020	17	15.46	91.22	7.8	33.49	8.1	24.7	0.34
F28	19 Feb 2020	18	15.44	91.24	7.9	33.48	8.1	24.7	0.31
F28	19 Feb 2020	19	15.41	91.27	7.8	33.49	8.1	24.7	0.33
F28	19 Feb 2020	20	15.35	91.30	7.8	33.49	8.1	24.7	0.33
F28	19 Feb 2020	21	15.33	91.26	7.9	33.48	8.1	24.7	0.35
F28	19 Feb 2020	22	15.32	91.15	7.9	33.48	8.1	24.7	0.41
F28	19 Feb 2020	23	15.31	91.08	7.9	33.48	8.1	24.7	0.43
F28	19 Feb 2020	24	15.29	91.05	7.9	33.49	8.1	24.7	0.47
F28	19 Feb 2020	25	15.23	91.01	7.8	33.49	8.1	24.8	0.49
F28	19 Feb 2020	26	15.18	90.93	7.9	33.49	8.1	24.8	0.53
F28	19 Feb 2020	27	15.12	90.84	7.9	33.50	8.1	24.8	0.59
F28	19 Feb 2020	28	15.10	90.64	7.9	33.50	8.1	24.8	0.65
F28	19 Feb 2020	29	15.08	90.63	7.9	33.50	8.1	24.8	0.72
F28	19 Feb 2020	30	15.07	90.57	7.9	33.50	8.1	24.8	0.76
F28	19 Feb 2020	31	15.05	90.50	7.9	33.51	8.1	24.8	0.81
F28	19 Feb 2020	32	14.91	90.25	7.9	33.52	8.1	24.8	0.83
F28	19 Feb 2020	33	14.61	90.08	7.8	33.50	8.0	24.9	0.87
F28	19 Feb 2020	34	14.51	89.79	7.8	33.47	8.0	24.9	1.01
F28	19 Feb 2020	35	14.30	89.54	7.8	33.47	8.0	24.9	1.12
F28	19 Feb 2020	36	14.08	89.15	7.7	33.46	8.0	25.0	1.26
F28	19 Feb 2020	37	13.93	88.86	7.6	33.46	8.0	25.0	1.46
F28	19 Feb 2020	38	13.76	89.28	7.5	33.46	8.0	25.0	1.63
F28	19 Feb 2020	39	13.51	90.19	7.3	33.48	8.0	25.1	1.65
F28	19 Feb 2020	40	13.46	90.99	7.2	33.48	8.0	25.1	1.53
F28	19 Feb 2020	41	13.37	91.20	7.2	33.47	8.0	25.1	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	19 Feb 2020	42	13.35	91.18	7.2	33.47	8.0	25.1	1.14
F28	19 Feb 2020	43	13.32	91.25	7.2	33.47	8.0	25.1	1.15
F28	19 Feb 2020	44	13.27	91.25	7.2	33.47	8.0	25.2	1.13
F28	19 Feb 2020	45	13.18	91.21	7.1	33.47	8.0	25.2	1.12
F28	19 Feb 2020	46	13.15	91.25	7.1	33.46	8.0	25.2	1.05
F28	19 Feb 2020	47	13.13	91.22	7.1	33.46	8.0	25.2	1.07
F28	19 Feb 2020	48	13.10	91.24	7.1	33.47	8.0	25.2	1.01
F28	19 Feb 2020	49	13.00	91.29	7.1	33.48	8.0	25.2	1.07
F28	19 Feb 2020	50	12.92	91.42	7.0	33.48	8.0	25.2	1.04
F28	19 Feb 2020	51	12.86	91.49	7.0	33.48	8.0	25.2	0.98
F28	19 Feb 2020	52	12.71	91.54	7.0	33.50	8.0	25.3	0.96
F28	19 Feb 2020	53	12.56	91.62	6.9	33.49	7.9	25.3	0.96
F28	19 Feb 2020	54	12.50	91.72	6.9	33.49	7.9	25.3	0.96
F28	19 Feb 2020	55	12.44	91.79	6.8	33.49	7.9	25.3	0.91
F28	19 Feb 2020	56	12.37	91.81	6.8	33.50	7.9	25.4	0.86
F28	19 Feb 2020	57	12.30	91.81	6.6	33.52	7.9	25.4	0.83
F28	19 Feb 2020	58	12.24	91.66	6.3	33.56	7.9	25.4	0.81
F28	19 Feb 2020	59	12.25	91.48	6.1	33.57	7.9	25.4	0.75
F28	19 Feb 2020	60	12.25	91.32	6.0	33.57	7.9	25.4	0.71
F28	19 Feb 2020	61	12.25	91.24	5.9	33.58	7.9	25.4	0.65
F28	19 Feb 2020	62	12.26	91.09	5.8	33.58	7.9	25.4	0.61
F28	19 Feb 2020	63	12.26	90.98	5.7	33.59	7.9	25.4	0.60
F28	19 Feb 2020	64	12.27	90.58	5.5	33.60	7.8	25.5	0.59
F28	19 Feb 2020	65	12.27	90.42	5.4	33.60	7.8	25.5	0.54
F28	19 Feb 2020	66	12.26	90.36	5.4	33.60	7.8	25.5	0.54
F28	19 Feb 2020	67	12.24	90.28	5.3	33.61	7.8	25.5	0.51
F28	19 Feb 2020	68	12.19	90.17	5.2	33.61	7.8	25.5	0.50
F28	19 Feb 2020	69	12.12	90.05	5.1	33.61	7.8	25.5	0.48
F28	19 Feb 2020	70	12.11	89.93	5.0	33.60	7.8	25.5	0.43
F28	19 Feb 2020	71	12.11	89.90	5.0	33.60	7.8	25.5	0.40
F28	19 Feb 2020	72	12.10	89.83	5.0	33.60	7.8	25.5	0.41
F28	19 Feb 2020	73	12.08	89.82	5.0	33.60	7.8	25.5	0.39
F28	19 Feb 2020	74	12.07	89.66	4.9	33.60	7.8	25.5	0.38
F28	19 Feb 2020	75	12.06	89.37	4.9	33.60	7.8	25.5	0.36
F28	19 Feb 2020	76	12.05	89.07	4.9	33.60	7.8	25.5	0.36
F28	19 Feb 2020	77	12.02	88.78	4.8	33.60	7.8	25.5	0.36
F28	19 Feb 2020	78	12.01	88.76	4.8	33.60	7.8	25.5	0.36
F28	19 Feb 2020	79	11.96	88.33	4.7	33.61	7.8	25.5	0.34
F28	19 Feb 2020	80	11.89	85.41	4.6	33.62	7.8	25.5	0.33
F28	19 Feb 2020	81	11.84	81.65	4.5	33.62	7.8	25.5	0.33
F28	19 Feb 2020	82	11.81	80.59	4.4	33.62	7.8	25.6	0.30
F28	19 Feb 2020	83	11.76	80.15	4.4	33.63	7.7	25.6	0.29
F28	19 Feb 2020	84	11.73	80.21	4.3	33.62	7.7	25.6	0.28
F28	19 Feb 2020	85	11.70	80.26	4.2	33.63	7.7	25.6	0.26
F28	19 Feb 2020	86	11.69	80.44	4.2	33.62	7.7	25.6	0.25
F28	19 Feb 2020	87	11.68	80.25	4.2	33.62	7.7	25.6	0.24
F28	19 Feb 2020	88	11.67	80.33	4.2	33.62	7.7	25.6	0.23
F28	19 Feb 2020	89	11.67	80.45	4.2	33.62	7.7	25.6	0.23
F28	19 Feb 2020	90	11.67	80.68	4.2	33.62	7.7	25.6	0.23
F28	19 Feb 2020	91	11.65	80.99	4.2	33.63	7.7	25.6	0.22
F28	19 Feb 2020	92	11.63	80.88	4.1	33.63	7.7	25.6	0.23
F28	19 Feb 2020	93	11.58	80.82	4.1	33.64	7.7	25.6	0.22
F28	19 Feb 2020	94	11.52	81.09	4.0	33.66	7.7	25.6	0.22
F28	19 Feb 2020	95	11.48	80.74	4.0	33.69	7.7	25.7	0.21
F28	19 Feb 2020	96	11.47	80.24	4.1	33.69	7.7	25.7	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	19 Feb 2020	97	11.46	79.74	4.1	33.70	7.7	25.7	0.21
F28	19 Feb 2020	98	11.44	79.70	4.1	33.71	7.7	25.7	0.21
F28	19 Feb 2020	99	11.44	78.32	4.1	33.71	7.7	25.7	0.21
F28	19 Feb 2020	100	11.45	77.42	4.0	33.70	7.7	25.7	0.21
F29	19 Feb 2020	1	15.73	91.41	7.8	33.49	8.1	24.6	0.26
F29	19 Feb 2020	2	15.71	91.43	7.9	33.50	8.1	24.7	0.27
F29	19 Feb 2020	3	15.68	91.41	7.9	33.50	8.1	24.7	0.26
F29	19 Feb 2020	4	15.67	91.35	7.9	33.49	8.1	24.7	0.27
F29	19 Feb 2020	5	15.66	91.30	7.9	33.49	8.1	24.7	0.27
F29	19 Feb 2020	6	15.66	91.31	7.9	33.49	8.1	24.7	0.27
F29	19 Feb 2020	7	15.65	91.31	7.8	33.49	8.1	24.7	0.28
F29	19 Feb 2020	8	15.64	91.26	7.9	33.49	8.1	24.7	0.28
F29	19 Feb 2020	9	15.64	91.30	7.9	33.49	8.1	24.7	0.30
F29	19 Feb 2020	10	15.63	91.29	7.9	33.50	8.1	24.7	0.29
F29	19 Feb 2020	11	15.56	91.29	7.9	33.50	8.1	24.7	0.30
F29	19 Feb 2020	12	15.52	91.35	7.9	33.49	8.1	24.7	0.31
F29	19 Feb 2020	13	15.51	91.34	7.9	33.49	8.1	24.7	0.32
F29	19 Feb 2020	14	15.50	91.34	7.9	33.49	8.1	24.7	0.33
F29	19 Feb 2020	15	15.48	91.24	7.9	33.49	8.1	24.7	0.33
F29	19 Feb 2020	16	15.44	91.24	7.9	33.49	8.1	24.7	0.35
F29	19 Feb 2020	17	15.42	91.27	7.9	33.48	8.1	24.7	0.36
F29	19 Feb 2020	18	15.41	91.32	7.9	33.48	8.1	24.7	0.35
F29	19 Feb 2020	19	15.39	91.36	7.9	33.48	8.1	24.7	0.35
F29	19 Feb 2020	20	15.36	91.34	7.9	33.48	8.1	24.7	0.36
F29	19 Feb 2020	21	15.35	91.32	7.9	33.48	8.1	24.7	0.39
F29	19 Feb 2020	22	15.34	91.33	7.9	33.48	8.1	24.7	0.38
F29	19 Feb 2020	23	15.32	91.30	7.9	33.48	8.1	24.7	0.39
F29	19 Feb 2020	24	15.31	91.26	7.9	33.48	8.1	24.7	0.42
F29	19 Feb 2020	25	15.30	91.17	7.9	33.48	8.1	24.7	0.46
F29	19 Feb 2020	26	15.29	91.08	7.9	33.48	8.1	24.7	0.50
F29	19 Feb 2020	27	15.26	91.04	7.9	33.49	8.1	24.7	0.54
F29	19 Feb 2020	28	15.20	90.93	7.9	33.49	8.1	24.8	0.60
F29	19 Feb 2020	29	15.16	90.90	7.9	33.49	8.1	24.8	0.62
F29	19 Feb 2020	30	15.10	90.84	7.9	33.49	8.1	24.8	0.71
F29	19 Feb 2020	31	15.07	90.70	7.9	33.49	8.1	24.8	0.76
F29	19 Feb 2020	32	15.00	90.66	7.9	33.52	8.1	24.8	0.84
F29	19 Feb 2020	33	14.88	90.40	7.9	33.52	8.1	24.9	0.91
F29	19 Feb 2020	34	14.77	90.12	7.8	33.50	8.1	24.9	1.03
F29	19 Feb 2020	35	14.56	89.96	7.8	33.50	8.0	24.9	1.12
F29	19 Feb 2020	36	14.33	89.59	7.8	33.45	8.0	24.9	1.33
F29	19 Feb 2020	37	14.16	89.05	7.7	33.46	8.0	25.0	1.61
F29	19 Feb 2020	38	14.00	88.95	7.7	33.44	8.0	25.0	1.70
F29	19 Feb 2020	39	13.97	89.20	7.7	33.43	8.0	25.0	1.90
F29	19 Feb 2020	40	13.94	89.33	7.6	33.42	8.0	25.0	1.82
F29	19 Feb 2020	41	13.92	89.43	7.5	33.42	8.0	25.0	1.97
F29	19 Feb 2020	42	13.88	89.67	7.5	33.43	8.0	25.0	1.92
F29	19 Feb 2020	43	13.76	89.98	7.4	33.45	8.0	25.0	1.85
F29	19 Feb 2020	44	13.55	90.44	7.3	33.49	8.0	25.1	1.83
F29	19 Feb 2020	45	13.36	90.96	7.2	33.48	8.0	25.1	1.59
F29	19 Feb 2020	46	13.27	91.26	7.2	33.48	8.0	25.2	1.49
F29	19 Feb 2020	47	13.17	91.32	7.2	33.48	8.0	25.2	1.36
F29	19 Feb 2020	48	13.10	91.36	7.1	33.46	8.0	25.2	1.34
F29	19 Feb 2020	49	13.05	91.36	7.1	33.47	8.0	25.2	1.17
F29	19 Feb 2020	50	13.02	91.39	7.1	33.46	8.0	25.2	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	19 Feb 2020	51	12.90	91.42	7.0	33.48	8.0	25.2	1.04
F29	19 Feb 2020	52	12.80	91.42	6.9	33.48	8.0	25.3	1.08
F29	19 Feb 2020	53	12.70	91.32	6.8	33.49	7.9	25.3	1.02
F29	19 Feb 2020	54	12.59	91.38	6.8	33.50	7.9	25.3	0.96
F29	19 Feb 2020	55	12.55	91.52	6.8	33.50	7.9	25.3	0.98
F29	19 Feb 2020	56	12.53	91.62	6.7	33.51	7.9	25.3	0.90
F29	19 Feb 2020	57	12.49	91.58	6.6	33.52	7.9	25.3	0.86
F29	19 Feb 2020	58	12.47	91.55	6.5	33.53	7.9	25.4	0.80
F29	19 Feb 2020	59	12.41	91.48	6.3	33.55	7.9	25.4	0.78
F29	19 Feb 2020	60	12.37	91.25	6.1	33.57	7.9	25.4	0.75
F29	19 Feb 2020	61	12.34	91.08	6.0	33.58	7.9	25.4	0.70
F29	19 Feb 2020	62	12.31	90.91	5.8	33.60	7.9	25.4	0.67
F29	19 Feb 2020	63	12.30	90.66	5.7	33.60	7.8	25.4	0.63
F29	19 Feb 2020	64	12.30	90.57	5.6	33.60	7.8	25.4	0.60
F29	19 Feb 2020	65	12.30	90.46	5.6	33.61	7.8	25.5	0.57
F29	19 Feb 2020	66	12.28	90.38	5.5	33.61	7.8	25.5	0.56
F29	19 Feb 2020	67	12.26	90.26	5.4	33.61	7.8	25.5	0.56
F29	19 Feb 2020	68	12.24	90.16	5.4	33.62	7.8	25.5	0.54
F29	19 Feb 2020	69	12.21	89.98	5.3	33.62	7.8	25.5	0.51
F29	19 Feb 2020	70	12.19	89.84	5.2	33.63	7.8	25.5	0.52
F29	19 Feb 2020	71	12.17	89.72	5.2	33.62	7.8	25.5	0.50
F29	19 Feb 2020	72	12.17	89.68	5.2	33.62	7.8	25.5	0.45
F29	19 Feb 2020	73	12.17	89.72	5.2	33.62	7.8	25.5	0.46
F29	19 Feb 2020	74	12.15	89.69	5.1	33.62	7.8	25.5	0.45
F29	19 Feb 2020	75	12.14	89.79	5.1	33.62	7.8	25.5	0.44
F29	19 Feb 2020	76	12.10	89.84	5.1	33.62	7.8	25.5	0.43
F29	19 Feb 2020	77	12.03	89.85	5.0	33.62	7.8	25.5	0.43
F29	19 Feb 2020	78	12.02	89.68	5.0	33.62	7.8	25.5	0.40
F29	19 Feb 2020	79	12.02	89.54	5.0	33.61	7.8	25.5	0.38
F29	19 Feb 2020	80	12.01	89.44	4.9	33.61	7.8	25.5	0.38
F29	19 Feb 2020	81	12.00	89.25	4.9	33.62	7.8	25.5	0.36
F29	19 Feb 2020	82	11.99	89.16	4.8	33.62	7.8	25.5	0.36
F29	19 Feb 2020	83	11.96	88.98	4.8	33.62	7.8	25.5	0.35
F29	19 Feb 2020	84	11.91	88.75	4.7	33.62	7.8	25.5	0.34
F29	19 Feb 2020	85	11.86	88.13	4.6	33.62	7.8	25.5	0.33
F29	19 Feb 2020	86	11.78	86.69	4.5	33.63	7.8	25.6	0.32
F29	19 Feb 2020	87	11.74	85.02	4.5	33.63	7.7	25.6	0.29
F29	19 Feb 2020	88	11.71	84.30	4.4	33.64	7.7	25.6	0.27
F29	19 Feb 2020	89	11.69	83.98	4.4	33.64	7.7	25.6	0.25
F29	19 Feb 2020	90	11.67	83.88	4.4	33.65	7.7	25.6	0.24
F29	19 Feb 2020	91	11.64	84.00	4.4	33.65	7.7	25.6	0.26
F29	19 Feb 2020	92	11.60	84.19	4.3	33.66	7.7	25.6	0.24
F29	19 Feb 2020	93	11.56	84.27	4.3	33.67	7.7	25.6	0.24
F29	19 Feb 2020	94	11.54	84.43	4.3	33.67	7.7	25.6	0.24
F29	19 Feb 2020	95	11.50	84.65	4.3	33.69	7.7	25.7	0.23
F29	19 Feb 2020	96	11.43	84.62	4.3	33.72	7.7	25.7	0.23
F29	19 Feb 2020	97	11.30	85.03	4.3	33.78	7.7	25.8	0.23
F29	19 Feb 2020	98	11.24	85.81	4.3	33.80	7.7	25.8	0.23
F29	19 Feb 2020	99	11.24	84.62	4.2	33.80	7.7	25.8	0.21
F30	19 Feb 2020	1	15.74	91.06	7.8	33.50	8.1	24.7	0.26
F30	19 Feb 2020	2	15.74	91.02	7.8	33.50	8.1	24.7	0.27
F30	19 Feb 2020	3	15.73	91.07	7.8	33.50	8.1	24.7	0.27
F30	19 Feb 2020	4	15.70	91.07	7.9	33.51	8.1	24.7	0.27
F30	19 Feb 2020	5	15.68	90.76	7.9	33.50	8.1	24.7	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	19 Feb 2020	6	15.67	91.07	7.9	33.50	8.1	24.7	0.28
F30	19 Feb 2020	7	15.66	91.02	7.9	33.50	8.1	24.7	0.31
F30	19 Feb 2020	8	15.65	91.17	7.9	33.50	8.1	24.7	0.30
F30	19 Feb 2020	9	15.61	91.24	7.8	33.50	8.1	24.7	0.29
F30	19 Feb 2020	10	15.61	91.25	7.9	33.49	8.1	24.7	0.31
F30	19 Feb 2020	11	15.56	91.23	7.8	33.50	8.1	24.7	0.33
F30	19 Feb 2020	12	15.50	91.15	7.8	33.49	8.1	24.7	0.35
F30	19 Feb 2020	13	15.49	91.13	7.9	33.49	8.1	24.7	0.35
F30	19 Feb 2020	14	15.49	91.11	7.9	33.49	8.1	24.7	0.35
F30	19 Feb 2020	15	15.48	91.07	7.9	33.49	8.1	24.7	0.36
F30	19 Feb 2020	16	15.48	91.06	7.9	33.49	8.1	24.7	0.37
F30	19 Feb 2020	17	15.48	91.08	7.9	33.49	8.1	24.7	0.38
F30	19 Feb 2020	18	15.48	91.05	7.8	33.49	8.1	24.7	0.40
F30	19 Feb 2020	19	15.46	91.00	7.9	33.49	8.1	24.7	0.41
F30	19 Feb 2020	20	15.45	91.00	7.9	33.49	8.1	24.7	0.42
F30	19 Feb 2020	21	15.43	91.03	7.8	33.50	8.1	24.7	0.44
F30	19 Feb 2020	22	15.37	91.02	7.9	33.51	8.1	24.7	0.46
F30	19 Feb 2020	23	15.30	91.01	7.9	33.50	8.1	24.8	0.50
F30	19 Feb 2020	24	15.23	91.01	7.9	33.49	8.1	24.8	0.56
F30	19 Feb 2020	25	15.18	90.95	7.9	33.49	8.1	24.8	0.61
F30	19 Feb 2020	26	15.16	90.91	7.9	33.48	8.1	24.8	0.65
F30	19 Feb 2020	27	15.15	90.90	7.9	33.48	8.1	24.8	0.67
F30	19 Feb 2020	28	15.15	90.85	7.9	33.48	8.1	24.8	0.72
F30	19 Feb 2020	29	15.03	90.84	7.8	33.49	8.1	24.8	0.74
F30	19 Feb 2020	30	14.93	90.80	7.9	33.48	8.1	24.8	0.78
F30	19 Feb 2020	31	14.78	90.73	7.9	33.47	8.1	24.8	0.82
F30	19 Feb 2020	32	14.65	90.33	7.8	33.47	8.0	24.9	0.90
F30	19 Feb 2020	33	14.45	90.02	7.9	33.45	8.0	24.9	1.01
F30	19 Feb 2020	34	14.31	89.61	7.8	33.46	8.0	24.9	1.24
F30	19 Feb 2020	35	14.14	89.08	7.6	33.46	8.0	25.0	1.50
F30	19 Feb 2020	36	13.98	88.95	7.5	33.46	8.0	25.0	1.81
F30	19 Feb 2020	37	13.83	89.34	7.5	33.45	8.0	25.0	1.94
F30	19 Feb 2020	38	13.74	89.76	7.5	33.44	8.0	25.0	2.02
F30	19 Feb 2020	39	13.66	90.11	7.4	33.46	8.0	25.1	1.95
F30	19 Feb 2020	40	13.54	90.48	7.2	33.49	8.0	25.1	1.68
F30	19 Feb 2020	41	13.33	90.98	7.2	33.49	8.0	25.2	1.50
F30	19 Feb 2020	42	13.30	91.24	7.1	33.48	8.0	25.2	1.40
F30	19 Feb 2020	43	13.25	91.25	7.1	33.48	8.0	25.2	1.45
F30	19 Feb 2020	44	13.16	91.36	7.1	33.48	8.0	25.2	1.19
F30	19 Feb 2020	45	13.11	91.37	7.1	33.47	8.0	25.2	1.18
F30	19 Feb 2020	46	13.04	91.39	7.1	33.47	8.0	25.2	1.08
F30	19 Feb 2020	47	12.96	91.38	7.1	33.47	8.0	25.2	1.11
F30	19 Feb 2020	48	12.90	91.37	7.0	33.47	8.0	25.2	1.10
F30	19 Feb 2020	49	12.84	91.41	6.9	33.49	8.0	25.3	1.06
F30	19 Feb 2020	50	12.71	91.46	6.6	33.54	7.9	25.3	1.06
F30	19 Feb 2020	51	12.61	91.49	6.4	33.53	7.9	25.3	0.98
F30	19 Feb 2020	52	12.53	90.98	6.3	33.53	7.9	25.3	0.91
F30	19 Feb 2020	53	12.39	90.60	6.3	33.54	7.9	25.4	0.84
F30	19 Feb 2020	54	12.33	90.25	6.1	33.53	7.9	25.4	0.79
F30	19 Feb 2020	55	12.28	89.25	5.9	33.53	7.9	25.4	0.74
F30	19 Feb 2020	56	12.11	88.64	5.6	33.57	7.8	25.5	0.68
F30	19 Feb 2020	57	11.88	88.11	5.1	33.55	7.8	25.5	0.61
F30	19 Feb 2020	58	11.85	85.69	4.8	33.52	7.8	25.5	0.58
F30	19 Feb 2020	59	11.87	84.20	4.7	33.52	7.8	25.5	0.49
F30	19 Feb 2020	60	11.88	83.59	4.7	33.52	7.8	25.5	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	19 Feb 2020	61	11.87	83.58	4.7	33.52	7.8	25.5	0.39
F30	19 Feb 2020	62	11.88	83.57	4.6	33.53	7.8	25.5	0.37
F30	19 Feb 2020	63	11.87	83.61	4.6	33.53	7.8	25.5	0.36
F30	19 Feb 2020	64	11.87	83.58	4.6	33.53	7.8	25.5	0.35
F30	19 Feb 2020	65	11.87	83.55	4.6	33.53	7.8	25.5	0.35
F30	19 Feb 2020	66	11.85	83.52	4.5	33.53	7.8	25.5	0.34
F30	19 Feb 2020	67	11.84	83.45	4.5	33.52	7.8	25.5	0.34
F30	19 Feb 2020	68	11.83	83.07	4.5	33.52	7.8	25.5	0.33
F30	19 Feb 2020	69	11.80	82.93	4.4	33.53	7.7	25.5	0.32
F30	19 Feb 2020	70	11.75	82.61	4.3	33.53	7.7	25.5	0.32
F30	19 Feb 2020	71	11.74	82.31	4.2	33.53	7.7	25.5	0.31
F30	19 Feb 2020	72	11.72	82.30	4.2	33.53	7.7	25.5	0.29
F30	19 Feb 2020	73	11.71	82.12	4.2	33.53	7.7	25.5	0.28
F30	19 Feb 2020	74	11.72	81.95	4.2	33.53	7.7	25.5	0.28
F30	19 Feb 2020	75	11.71	82.08	4.2	33.53	7.7	25.5	0.28
F30	19 Feb 2020	76	11.70	82.20	4.2	33.54	7.7	25.5	0.27
F30	19 Feb 2020	77	11.70	82.28	4.2	33.55	7.7	25.5	0.28
F30	19 Feb 2020	78	11.68	82.54	4.2	33.56	7.7	25.5	0.27
F30	19 Feb 2020	79	11.68	82.59	4.2	33.57	7.7	25.5	0.26
F30	19 Feb 2020	80	11.68	82.71	4.2	33.57	7.7	25.5	0.26
F30	19 Feb 2020	81	11.66	82.98	4.2	33.58	7.7	25.5	0.26
F30	19 Feb 2020	82	11.66	83.18	4.2	33.58	7.7	25.5	0.26
F30	19 Feb 2020	83	11.66	83.17	4.2	33.58	7.7	25.6	0.26
F30	19 Feb 2020	84	11.63	83.22	4.2	33.59	7.7	25.6	0.25
F30	19 Feb 2020	85	11.61	83.23	4.2	33.59	7.7	25.6	0.25
F30	19 Feb 2020	86	11.61	83.41	4.2	33.60	7.7	25.6	0.25
F30	19 Feb 2020	87	11.58	83.72	4.2	33.61	7.7	25.6	0.24
F30	19 Feb 2020	88	11.56	84.05	4.2	33.62	7.7	25.6	0.24
F30	19 Feb 2020	89	11.54	84.27	4.2	33.63	7.7	25.6	0.23
F30	19 Feb 2020	90	11.50	84.42	4.2	33.65	7.7	25.6	0.23
F30	19 Feb 2020	91	11.48	84.80	4.2	33.67	7.7	25.7	0.22
F30	19 Feb 2020	92	11.46	85.14	4.2	33.70	7.7	25.7	0.22
F30	19 Feb 2020	93	11.33	85.48	4.2	33.79	7.7	25.8	0.22
F30	19 Feb 2020	94	11.20	85.61	4.1	33.84	7.7	25.8	0.23
F30	19 Feb 2020	95	11.17	86.50	4.1	33.84	7.7	25.8	0.21
F30	19 Feb 2020	96	11.17	86.42	4.0	33.84	7.7	25.8	0.21
F30	19 Feb 2020	97	11.16	85.64	4.0	33.84	7.7	25.8	0.21
F30	19 Feb 2020	98	11.16	84.82	4.0	33.84	7.7	25.8	0.20
F31	19 Feb 2020	1	15.70	91.21	7.8	33.50	8.1	24.7	0.31
F31	19 Feb 2020	2	15.70	91.29	7.9	33.50	8.1	24.7	0.30
F31	19 Feb 2020	3	15.69	91.26	7.9	33.50	8.1	24.7	0.30
F31	19 Feb 2020	4	15.68	91.24	7.8	33.50	8.1	24.7	0.30
F31	19 Feb 2020	5	15.68	91.25	7.8	33.50	8.1	24.7	0.31
F31	19 Feb 2020	6	15.68	91.23	7.8	33.50	8.1	24.7	0.34
F31	19 Feb 2020	7	15.67	91.24	7.8	33.50	8.1	24.7	0.32
F31	19 Feb 2020	8	15.67	91.25	7.8	33.50	8.1	24.7	0.33
F31	19 Feb 2020	9	15.67	91.28	7.8	33.50	8.1	24.7	0.34
F31	19 Feb 2020	10	15.67	91.28	7.8	33.50	8.1	24.7	0.34
F31	19 Feb 2020	11	15.64	91.26	7.8	33.51	8.1	24.7	0.35
F31	19 Feb 2020	12	15.60	91.22	7.8	33.50	8.1	24.7	0.36
F31	19 Feb 2020	13	15.57	91.13	7.8	33.50	8.1	24.7	0.38
F31	19 Feb 2020	14	15.56	91.17	7.9	33.50	8.1	24.7	0.37
F31	19 Feb 2020	15	15.54	91.12	7.9	33.50	8.1	24.7	0.37
F31	19 Feb 2020	16	15.53	91.06	7.9	33.50	8.1	24.7	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	19 Feb 2020	17	15.52	91.07	7.9	33.50	8.1	24.7	0.39
F31	19 Feb 2020	18	15.50	91.05	7.9	33.50	8.1	24.7	0.40
F31	19 Feb 2020	19	15.47	91.05	7.9	33.49	8.1	24.7	0.42
F31	19 Feb 2020	20	15.46	91.05	7.9	33.50	8.1	24.7	0.44
F31	19 Feb 2020	21	15.44	91.04	7.9	33.50	8.1	24.7	0.46
F31	19 Feb 2020	22	15.42	90.97	7.9	33.50	8.1	24.7	0.46
F31	19 Feb 2020	23	15.38	91.02	7.9	33.51	8.1	24.7	0.47
F31	19 Feb 2020	24	15.34	90.98	7.9	33.50	8.1	24.7	0.50
F31	19 Feb 2020	25	15.30	90.93	7.9	33.51	8.1	24.8	0.56
F31	19 Feb 2020	26	15.26	90.91	7.9	33.50	8.1	24.8	0.58
F31	19 Feb 2020	27	15.22	90.78	7.9	33.50	8.1	24.8	0.63
F31	19 Feb 2020	28	15.11	90.69	7.9	33.51	8.1	24.8	0.72
F31	19 Feb 2020	29	14.91	90.64	7.9	33.50	8.1	24.8	0.75
F31	19 Feb 2020	30	14.69	90.58	7.9	33.48	8.1	24.9	0.83
F31	19 Feb 2020	31	14.51	90.26	7.9	33.47	8.1	24.9	0.87
F31	19 Feb 2020	32	14.40	89.59	7.8	33.45	8.0	24.9	0.99
F31	19 Feb 2020	33	14.46	88.85	7.8	33.45	8.0	24.9	1.37
F31	19 Feb 2020	34	14.47	88.43	7.7	33.48	8.0	24.9	1.70
F31	19 Feb 2020	35	14.45	88.42	7.6	33.50	8.0	24.9	1.92
F31	19 Feb 2020	36	14.29	88.97	7.6	33.52	8.0	25.0	2.09
F31	19 Feb 2020	37	13.89	89.49	7.5	33.49	8.0	25.0	2.13
F31	19 Feb 2020	38	13.76	90.15	7.4	33.47	8.0	25.1	2.20
F31	19 Feb 2020	39	13.52	90.56	7.3	33.51	8.0	25.1	2.01
F31	19 Feb 2020	40	13.37	91.11	7.2	33.48	8.0	25.1	1.76
F31	19 Feb 2020	41	13.23	91.28	7.2	33.50	8.0	25.2	1.49
F31	19 Feb 2020	42	13.00	91.41	7.1	33.51	8.0	25.2	1.22
F31	19 Feb 2020	43	12.87	91.48	7.0	33.50	8.0	25.3	1.14
F31	19 Feb 2020	44	12.81	91.47	6.8	33.50	8.0	25.3	1.10
F31	19 Feb 2020	45	12.78	91.48	6.8	33.51	7.9	25.3	1.06
F31	19 Feb 2020	46	12.78	91.53	6.7	33.51	7.9	25.3	0.98
F31	19 Feb 2020	47	12.76	91.49	6.6	33.52	7.9	25.3	1.01
F31	19 Feb 2020	48	12.74	91.46	6.6	33.53	7.9	25.3	0.93
F31	19 Feb 2020	49	12.72	91.52	6.5	33.55	7.9	25.3	0.94
F31	19 Feb 2020	50	12.71	91.49	6.4	33.56	7.9	25.3	0.94
F31	19 Feb 2020	51	12.70	91.49	6.3	33.56	7.9	25.3	0.96
F31	19 Feb 2020	52	12.70	91.53	6.3	33.56	7.9	25.3	0.93
F31	19 Feb 2020	53	12.70	91.50	6.3	33.56	7.9	25.3	0.89
F31	19 Feb 2020	54	12.70	91.49	6.3	33.56	7.9	25.3	0.89
F31	19 Feb 2020	55	12.70	91.45	6.3	33.56	7.9	25.3	0.88
F31	19 Feb 2020	56	12.69	91.50	6.3	33.56	7.9	25.3	0.88
F31	19 Feb 2020	57	12.68	91.44	6.3	33.56	7.9	25.3	0.87
F31	19 Feb 2020	58	12.67	91.39	6.2	33.56	7.9	25.3	0.84
F31	19 Feb 2020	59	12.64	91.30	6.2	33.57	7.9	25.4	0.85
F31	19 Feb 2020	60	12.59	91.14	6.2	33.57	7.9	25.4	0.81
F31	19 Feb 2020	61	12.56	91.03	6.1	33.57	7.9	25.4	0.81
F31	19 Feb 2020	62	12.47	91.43	6.1	33.59	7.9	25.4	0.80
F31	19 Feb 2020	63	12.33	91.68	6.2	33.60	7.9	25.4	0.80
F31	19 Feb 2020	64	12.07	90.95	6.0	33.61	7.9	25.5	0.72
F31	19 Feb 2020	65	12.02	89.51	5.7	33.59	7.8	25.5	0.71
F31	19 Feb 2020	66	12.02	88.77	5.4	33.60	7.8	25.5	0.64
F31	19 Feb 2020	67	11.98	87.87	5.1	33.61	7.8	25.5	0.56
F31	19 Feb 2020	68	11.92	87.58	4.9	33.62	7.8	25.5	0.51
F31	19 Feb 2020	69	11.89	87.07	4.7	33.62	7.8	25.5	0.45
F31	19 Feb 2020	70	11.83	86.15	4.6	33.61	7.8	25.5	0.41
F31	19 Feb 2020	71	11.82	85.84	4.6	33.61	7.8	25.5	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	19 Feb 2020	72	11.82	85.79	4.5	33.60	7.8	25.5	0.34
F31	19 Feb 2020	73	11.82	85.93	4.5	33.60	7.8	25.5	0.32
F31	19 Feb 2020	74	11.82	86.08	4.5	33.60	7.8	25.5	0.32
F31	19 Feb 2020	75	11.82	86.08	4.5	33.60	7.8	25.5	0.33
F31	19 Feb 2020	76	11.82	86.03	4.5	33.60	7.8	25.5	0.34
F31	19 Feb 2020	77	11.82	85.95	4.5	33.60	7.8	25.5	0.30
F31	19 Feb 2020	78	11.82	85.91	4.5	33.60	7.8	25.5	0.30
F31	19 Feb 2020	79	11.81	85.87	4.5	33.60	7.8	25.5	0.29
F31	19 Feb 2020	80	11.81	85.70	4.5	33.60	7.8	25.5	0.30
F31	19 Feb 2020	81	11.81	85.62	4.5	33.60	7.8	25.5	0.31
F31	19 Feb 2020	82	11.81	85.61	4.5	33.60	7.8	25.5	0.28
F31	19 Feb 2020	83	11.80	85.49	4.5	33.62	7.8	25.6	0.29
F31	19 Feb 2020	84	11.79	85.07	4.5	33.63	7.8	25.6	0.29
F31	19 Feb 2020	85	11.78	84.81	4.5	33.64	7.8	25.6	0.28
F31	19 Feb 2020	86	11.77	84.62	4.5	33.65	7.8	25.6	0.29
F31	19 Feb 2020	87	11.76	84.59	4.5	33.65	7.8	25.6	0.27
F31	19 Feb 2020	88	11.74	84.62	4.5	33.65	7.8	25.6	0.28
F31	19 Feb 2020	89	11.71	84.61	4.4	33.66	7.8	25.6	0.28
F31	19 Feb 2020	90	11.69	84.77	4.4	33.66	7.7	25.6	0.26
F31	19 Feb 2020	91	11.65	84.82	4.4	33.67	7.7	25.6	0.26
F31	19 Feb 2020	92	11.61	84.83	4.4	33.68	7.7	25.6	0.24
F31	19 Feb 2020	93	11.54	84.91	4.3	33.70	7.7	25.7	0.25
F31	19 Feb 2020	94	11.48	84.99	4.3	33.74	7.7	25.7	0.24
F31	19 Feb 2020	95	11.40	85.24	4.2	33.78	7.7	25.8	0.24
F31	19 Feb 2020	96	11.29	85.36	4.1	33.82	7.7	25.8	0.23
F31	19 Feb 2020	97	11.25	84.79	4.0	33.83	7.7	25.8	0.24
F31	19 Feb 2020	98	11.26	83.93	4.0	33.82	7.7	25.8	0.22
F31	19 Feb 2020	99	11.29	55.73	4.0	33.81	7.7	25.8	0.21
F32	19 Feb 2020	1	15.70	91.10	7.9	33.50	8.1	24.7	0.35
F32	19 Feb 2020	2	15.69	91.14	7.9	33.50	8.1	24.7	0.36
F32	19 Feb 2020	3	15.69	91.13	7.9	33.50	8.1	24.7	0.43
F32	19 Feb 2020	4	15.68	91.14	7.9	33.50	8.1	24.7	0.37
F32	19 Feb 2020	5	15.68	91.14	7.9	33.50	8.1	24.7	0.36
F32	19 Feb 2020	6	15.68	91.17	7.9	33.50	8.1	24.7	0.38
F32	19 Feb 2020	7	15.68	91.18	7.9	33.50	8.1	24.7	0.38
F32	19 Feb 2020	8	15.67	91.16	7.9	33.50	8.1	24.7	0.40
F32	19 Feb 2020	9	15.67	91.12	7.9	33.50	8.1	24.7	0.39
F32	19 Feb 2020	10	15.64	91.16	7.9	33.50	8.1	24.7	0.38
F32	19 Feb 2020	11	15.60	91.04	7.9	33.50	8.1	24.7	0.39
F32	19 Feb 2020	12	15.54	91.00	7.9	33.49	8.1	24.7	0.39
F32	19 Feb 2020	13	15.53	91.10	7.9	33.49	8.1	24.7	0.42
F32	19 Feb 2020	14	15.53	91.07	7.9	33.49	8.1	24.7	0.41
F32	19 Feb 2020	15	15.52	91.08	7.9	33.49	8.1	24.7	0.40
F32	19 Feb 2020	16	15.53	91.12	7.9	33.49	8.1	24.7	0.41
F32	19 Feb 2020	17	15.52	91.14	7.9	33.50	8.1	24.7	0.40
F32	19 Feb 2020	18	15.50	91.16	7.9	33.50	8.1	24.7	0.41
F32	19 Feb 2020	19	15.50	91.03	7.9	33.50	8.1	24.7	0.46
F32	19 Feb 2020	20	15.48	91.18	7.9	33.50	8.1	24.7	0.43
F32	19 Feb 2020	21	15.45	91.27	7.9	33.50	8.1	24.7	0.43
F32	19 Feb 2020	22	15.41	91.22	7.9	33.50	8.1	24.7	0.48
F32	19 Feb 2020	23	15.39	91.13	7.9	33.50	8.1	24.7	0.51
F32	19 Feb 2020	24	15.38	91.11	7.9	33.50	8.1	24.7	0.55
F32	19 Feb 2020	25	15.35	91.14	7.9	33.51	8.1	24.7	0.55
F32	19 Feb 2020	26	15.29	91.13	7.9	33.50	8.1	24.8	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	19 Feb 2020	27	15.29	91.05	7.9	33.50	8.1	24.8	0.62
F32	19 Feb 2020	28	15.26	91.00	7.9	33.50	8.1	24.8	0.66
F32	19 Feb 2020	29	15.20	90.96	7.9	33.50	8.1	24.8	0.68
F32	19 Feb 2020	30	15.15	90.91	7.9	33.49	8.1	24.8	0.71
F32	19 Feb 2020	31	15.06	90.89	7.9	33.49	8.1	24.8	0.84
F32	19 Feb 2020	32	14.68	90.80	7.9	33.49	8.1	24.9	0.78
F32	19 Feb 2020	33	14.53	90.22	7.9	33.45	8.1	24.9	1.02
F32	19 Feb 2020	34	14.43	89.67	7.8	33.45	8.1	24.9	1.28
F32	19 Feb 2020	35	14.31	89.26	7.8	33.44	8.0	24.9	1.55
F32	19 Feb 2020	36	14.29	88.82	7.7	33.45	8.0	24.9	1.88
F32	19 Feb 2020	37	14.35	88.70	7.6	33.49	8.0	24.9	2.12
F32	19 Feb 2020	38	14.16	89.02	7.5	33.48	8.0	25.0	2.15
F32	19 Feb 2020	39	13.98	89.56	7.5	33.48	8.0	25.0	1.98
F32	19 Feb 2020	40	13.81	89.96	7.3	33.46	8.0	25.0	1.82
F32	19 Feb 2020	41	13.51	90.34	7.3	33.47	8.0	25.1	1.60
F32	19 Feb 2020	42	13.42	90.71	7.2	33.46	8.0	25.1	1.41
F32	19 Feb 2020	43	13.39	91.12	7.2	33.46	8.0	25.1	1.28
F32	19 Feb 2020	44	13.24	91.22	7.1	33.47	8.0	25.2	1.28
F32	19 Feb 2020	45	13.03	91.24	7.1	33.47	8.0	25.2	1.13
F32	19 Feb 2020	46	12.97	91.42	7.1	33.46	8.0	25.2	1.11
F32	19 Feb 2020	47	12.97	91.44	7.1	33.46	8.0	25.2	1.06
F32	19 Feb 2020	48	12.96	91.46	7.1	33.46	8.0	25.2	1.01
F32	19 Feb 2020	49	12.94	91.47	7.0	33.46	8.0	25.2	1.00
F32	19 Feb 2020	50	12.90	91.51	7.0	33.47	8.0	25.2	0.99
F32	19 Feb 2020	51	12.84	91.50	6.9	33.49	8.0	25.3	1.02
F32	19 Feb 2020	52	12.77	91.56	6.7	33.51	7.9	25.3	0.95
F32	19 Feb 2020	53	12.72	91.54	6.5	33.54	7.9	25.3	0.90
F32	19 Feb 2020	54	12.70	91.55	6.4	33.55	7.9	25.3	0.86
F32	19 Feb 2020	55	12.67	91.50	6.3	33.56	7.9	25.3	0.88
F32	19 Feb 2020	56	12.66	91.42	6.3	33.56	7.9	25.3	0.83
F32	19 Feb 2020	57	12.66	91.46	6.2	33.57	7.9	25.3	0.84
F32	19 Feb 2020	58	12.65	91.49	6.2	33.57	7.9	25.4	0.82
F32	19 Feb 2020	59	12.65	91.57	6.2	33.57	7.9	25.4	0.81
F32	19 Feb 2020	60	12.58	91.59	6.2	33.58	7.9	25.4	0.81
F32	19 Feb 2020	61	12.46	91.61	6.1	33.59	7.9	25.4	0.79
F32	19 Feb 2020	62	12.38	91.55	6.0	33.60	7.9	25.4	0.75
F32	19 Feb 2020	63	12.28	91.37	5.8	33.61	7.9	25.5	0.68
F32	19 Feb 2020	64	12.24	90.97	5.7	33.61	7.9	25.5	0.62
F32	19 Feb 2020	65	12.21	90.76	5.6	33.61	7.9	25.5	0.59
F32	19 Feb 2020	66	12.17	90.53	5.6	33.61	7.8	25.5	0.57
F32	19 Feb 2020	67	12.04	90.06	5.5	33.61	7.8	25.5	0.54
F32	19 Feb 2020	68	11.98	89.59	5.5	33.59	7.8	25.5	0.50
F32	19 Feb 2020	69	11.95	89.13	5.4	33.59	7.8	25.5	0.46
F32	19 Feb 2020	70	11.94	88.60	5.4	33.59	7.8	25.5	0.44
F32	19 Feb 2020	71	11.94	88.99	5.4	33.60	7.8	25.5	0.44
F32	19 Feb 2020	72	11.95	89.70	5.4	33.61	7.8	25.5	0.44
F32	19 Feb 2020	73	11.96	90.16	5.4	33.62	7.8	25.5	0.44
F32	19 Feb 2020	74	11.95	90.34	5.3	33.63	7.8	25.5	0.46
F32	19 Feb 2020	75	11.86	89.93	5.0	33.64	7.8	25.6	0.42
F32	19 Feb 2020	76	11.76	88.75	4.7	33.63	7.8	25.6	0.40
F32	19 Feb 2020	77	11.75	87.30	4.6	33.62	7.8	25.6	0.33
F32	19 Feb 2020	78	11.74	86.60	4.6	33.62	7.8	25.6	0.31
F32	19 Feb 2020	79	11.72	86.50	4.5	33.62	7.8	25.6	0.30
F32	19 Feb 2020	80	11.72	86.48	4.5	33.62	7.8	25.6	0.28
F32	19 Feb 2020	81	11.72	86.36	4.5	33.62	7.8	25.6	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	19 Feb 2020	82	11.72	86.40	4.5	33.62	7.8	25.6	0.27
F32	19 Feb 2020	83	11.71	86.43	4.5	33.62	7.8	25.6	0.27
F32	19 Feb 2020	84	11.71	86.36	4.5	33.62	7.8	25.6	0.27
F32	19 Feb 2020	85	11.72	86.31	4.5	33.62	7.8	25.6	0.27
F32	19 Feb 2020	86	11.73	86.20	4.5	33.65	7.8	25.6	0.27
F32	19 Feb 2020	87	11.73	85.42	4.5	33.67	7.8	25.6	0.27
F32	19 Feb 2020	88	11.73	85.25	4.5	33.67	7.8	25.6	0.26
F32	19 Feb 2020	89	11.70	85.23	4.5	33.68	7.8	25.6	0.27
F32	19 Feb 2020	90	11.67	85.35	4.5	33.69	7.8	25.6	0.26
F32	19 Feb 2020	91	11.64	85.59	4.5	33.70	7.8	25.6	0.26
F32	19 Feb 2020	92	11.60	85.63	4.5	33.72	7.8	25.7	0.27
F32	19 Feb 2020	93	11.55	85.42	4.4	33.74	7.8	25.7	0.25
F32	19 Feb 2020	94	11.55	84.88	4.4	33.74	7.7	25.7	0.26
F32	19 Feb 2020	95	11.47	84.77	4.3	33.76	7.7	25.7	0.24
F32	19 Feb 2020	96	11.44	84.78	4.3	33.77	7.7	25.7	0.23
F32	19 Feb 2020	97	11.41	85.16	4.2	33.77	7.7	25.7	0.24
F32	19 Feb 2020	98	11.42	85.47	4.2	33.77	7.7	25.7	0.23
F32	19 Feb 2020	99	11.40	85.57	4.2	33.78	7.7	25.8	0.23
F32	19 Feb 2020	100	11.35	85.49	4.2	33.79	7.7	25.8	0.23
F32	19 Feb 2020	101	11.30	85.18	4.1	33.81	7.7	25.8	0.22
F33	19 Feb 2020	1	15.68	90.66	7.8	33.50	8.1	24.7	0.35
F33	19 Feb 2020	2	15.68	90.65	7.8	33.50	8.1	24.7	0.33
F33	19 Feb 2020	3	15.68	90.69	7.8	33.50	8.1	24.7	0.34
F33	19 Feb 2020	4	15.67	90.71	7.9	33.50	8.1	24.7	0.36
F33	19 Feb 2020	5	15.67	90.74	7.8	33.50	8.1	24.7	0.35
F33	19 Feb 2020	6	15.67	90.81	7.8	33.50	8.1	24.7	0.37
F33	19 Feb 2020	7	15.67	90.83	7.8	33.50	8.1	24.7	0.37
F33	19 Feb 2020	8	15.67	90.82	7.8	33.50	8.1	24.7	0.38
F33	19 Feb 2020	9	15.67	90.86	7.8	33.50	8.1	24.7	0.38
F33	19 Feb 2020	10	15.67	90.89	7.8	33.50	8.1	24.7	0.39
F33	19 Feb 2020	11	15.66	90.89	7.8	33.50	8.1	24.7	0.38
F33	19 Feb 2020	12	15.66	90.91	7.8	33.50	8.1	24.7	0.39
F33	19 Feb 2020	13	15.66	90.90	7.8	33.50	8.1	24.7	0.39
F33	19 Feb 2020	14	15.66	90.98	7.8	33.50	8.1	24.7	0.40
F33	19 Feb 2020	15	15.66	90.99	7.8	33.50	8.1	24.7	0.40
F33	19 Feb 2020	16	15.61	91.01	7.8	33.51	8.1	24.7	0.40
F33	19 Feb 2020	17	15.56	91.01	7.8	33.51	8.1	24.7	0.41
F33	19 Feb 2020	18	15.54	90.97	7.9	33.50	8.1	24.7	0.40
F33	19 Feb 2020	19	15.53	90.92	7.9	33.50	8.1	24.7	0.39
F33	19 Feb 2020	20	15.53	90.96	7.9	33.50	8.1	24.7	0.40
F33	19 Feb 2020	21	15.52	90.93	7.9	33.50	8.1	24.7	0.42
F33	19 Feb 2020	22	15.51	90.91	7.8	33.50	8.1	24.7	0.43
F33	19 Feb 2020	23	15.50	90.89	7.9	33.50	8.1	24.7	0.44
F33	19 Feb 2020	24	15.46	90.74	7.9	33.50	8.1	24.7	0.44
F33	19 Feb 2020	25	15.41	90.73	7.9	33.50	8.1	24.7	0.46
F33	19 Feb 2020	26	15.37	90.76	7.9	33.50	8.1	24.7	0.49
F33	19 Feb 2020	27	15.35	90.70	7.9	33.50	8.1	24.7	0.53
F33	19 Feb 2020	28	15.27	90.65	7.9	33.50	8.1	24.8	0.57
F33	19 Feb 2020	29	15.23	90.50	7.9	33.50	8.1	24.8	0.63
F33	19 Feb 2020	30	15.21	90.49	7.8	33.49	8.1	24.8	0.83
F33	19 Feb 2020	31	15.17	90.60	7.9	33.50	8.1	24.8	0.80
F33	19 Feb 2020	32	15.10	90.69	7.8	33.50	8.1	24.8	0.83
F33	19 Feb 2020	33	15.02	90.60	7.9	33.50	8.1	24.8	0.81
F33	19 Feb 2020	34	15.00	90.51	7.9	33.49	8.1	24.8	0.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	19 Feb 2020	35	15.01	90.18	7.9	33.50	8.1	24.8	0.90
F33	19 Feb 2020	36	14.99	89.89	7.9	33.51	8.1	24.8	0.98
F33	19 Feb 2020	37	14.83	89.25	7.8	33.54	8.1	24.9	1.07
F33	19 Feb 2020	38	14.65	88.40	7.7	33.55	8.1	24.9	1.43
F33	19 Feb 2020	39	14.55	87.98	7.7	33.53	8.0	24.9	1.88
F33	19 Feb 2020	40	14.51	88.06	7.6	33.53	8.0	24.9	2.15
F33	19 Feb 2020	41	14.44	88.28	7.5	33.54	8.0	25.0	2.33
F33	19 Feb 2020	42	14.08	88.72	7.4	33.53	8.0	25.0	2.31
F33	19 Feb 2020	43	14.02	89.67	7.3	33.50	8.0	25.0	2.21
F33	19 Feb 2020	44	13.96	90.03	7.2	33.53	8.0	25.1	2.09
F33	19 Feb 2020	45	13.54	90.37	7.1	33.55	8.0	25.2	1.95
F33	19 Feb 2020	46	13.36	90.75	7.1	33.50	8.0	25.2	1.80
F33	19 Feb 2020	47	13.35	91.04	7.0	33.49	8.0	25.2	1.47
F33	19 Feb 2020	48	13.28	91.08	7.0	33.50	8.0	25.2	1.37
F33	19 Feb 2020	49	13.09	91.20	7.0	33.49	8.0	25.2	1.29
F33	19 Feb 2020	50	12.95	91.32	7.0	33.49	8.0	25.2	1.28
F33	19 Feb 2020	51	12.83	91.36	7.0	33.48	8.0	25.2	1.20
F33	19 Feb 2020	52	12.79	91.46	7.0	33.48	8.0	25.3	1.06
F33	19 Feb 2020	53	12.72	91.47	7.0	33.48	8.0	25.3	1.08
F33	19 Feb 2020	54	12.64	91.52	6.8	33.51	8.0	25.3	1.02
F33	19 Feb 2020	55	12.62	91.57	6.6	33.53	7.9	25.3	1.02
F33	19 Feb 2020	56	12.63	91.63	6.5	33.54	7.9	25.3	0.93
F33	19 Feb 2020	57	12.63	91.61	6.4	33.55	7.9	25.3	0.86
F33	19 Feb 2020	58	12.62	91.56	6.3	33.56	7.9	25.3	0.83
F33	19 Feb 2020	59	12.62	91.56	6.3	33.56	7.9	25.4	0.82
F33	19 Feb 2020	60	12.60	91.49	6.2	33.57	7.9	25.4	0.82
F33	19 Feb 2020	61	12.58	91.50	6.2	33.59	7.9	25.4	0.80
F33	19 Feb 2020	62	12.56	91.55	6.1	33.59	7.9	25.4	0.80
F33	19 Feb 2020	63	12.54	91.55	6.1	33.59	7.9	25.4	0.78
F33	19 Feb 2020	64	12.35	91.21	5.9	33.64	7.9	25.5	0.77
F33	19 Feb 2020	65	12.13	89.85	5.4	33.67	7.8	25.5	0.77
F33	19 Feb 2020	66	12.09	89.51	5.2	33.66	7.8	25.5	0.68
F33	19 Feb 2020	67	12.08	89.32	5.1	33.66	7.8	25.5	0.57
F33	19 Feb 2020	68	12.08	89.26	5.1	33.66	7.8	25.5	0.49
F33	19 Feb 2020	69	12.06	89.12	5.1	33.66	7.8	25.5	0.47
F33	19 Feb 2020	70	12.06	89.00	5.0	33.66	7.8	25.5	0.44
F33	19 Feb 2020	71	12.06	88.90	5.0	33.66	7.8	25.5	0.44
F33	19 Feb 2020	72	12.06	88.89	5.0	33.66	7.8	25.5	0.42
F33	19 Feb 2020	73	12.07	88.91	5.0	33.66	7.8	25.5	0.41
F33	19 Feb 2020	74	12.07	88.92	5.0	33.66	7.8	25.5	0.41
F33	19 Feb 2020	75	12.07	88.91	5.0	33.66	7.8	25.5	0.45
F33	19 Feb 2020	76	12.06	88.93	5.0	33.66	7.8	25.5	0.42
F33	19 Feb 2020	77	12.06	88.90	5.0	33.66	7.8	25.5	0.43
F33	19 Feb 2020	78	12.06	88.86	5.0	33.66	7.8	25.5	0.41
F33	19 Feb 2020	79	12.06	88.89	5.0	33.66	7.8	25.5	0.41
F33	19 Feb 2020	80	12.07	88.87	5.0	33.65	7.8	25.5	0.42
F33	19 Feb 2020	81	12.07	88.89	5.0	33.65	7.8	25.5	0.41
F33	19 Feb 2020	82	12.07	88.94	5.0	33.65	7.8	25.5	0.41
F33	19 Feb 2020	83	12.07	88.95	5.0	33.65	7.8	25.5	0.42
F33	19 Feb 2020	84	12.04	88.93	5.0	33.66	7.8	25.5	0.40
F33	19 Feb 2020	85	12.02	87.89	4.9	33.67	7.8	25.6	0.40
F33	19 Feb 2020	86	11.96	87.27	4.9	33.68	7.8	25.6	0.40
F33	19 Feb 2020	87	11.91	86.58	4.8	33.69	7.8	25.6	0.39
F33	19 Feb 2020	88	11.88	86.05	4.7	33.70	7.8	25.6	0.38
F33	19 Feb 2020	89	11.88	85.08	4.7	33.70	7.8	25.6	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	19 Feb 2020	90	11.83	84.57	4.6	33.70	7.8	25.6	0.36
F33	19 Feb 2020	91	11.82	84.55	4.6	33.71	7.8	25.6	0.33
F33	19 Feb 2020	92	11.80	84.40	4.6	33.71	7.8	25.6	0.32
F33	19 Feb 2020	93	11.77	84.15	4.6	33.72	7.8	25.6	0.31
F33	19 Feb 2020	94	11.67	84.10	4.5	33.74	7.8	25.7	0.32
F33	19 Feb 2020	95	11.58	84.09	4.4	33.76	7.8	25.7	0.29
F33	19 Feb 2020	96	11.48	84.73	4.4	33.77	7.7	25.7	0.29
F33	19 Feb 2020	97	11.40	85.85	4.3	33.79	7.7	25.8	0.27
F33	19 Feb 2020	98	11.34	85.77	4.2	33.80	7.7	25.8	0.24
F33	19 Feb 2020	99	11.32	85.42	4.2	33.80	7.7	25.8	0.23
F33	19 Feb 2020	100	11.31	85.24	4.1	33.80	7.7	25.8	0.22
F33	19 Feb 2020	101	11.31	85.20	4.1	33.81	7.7	25.8	0.22
F33	19 Feb 2020	102	11.30	84.31	4.1	33.81	7.7	25.8	0.22
F34	19 Feb 2020	1	15.72	91.25	7.9	33.50	8.1	24.7	0.35
F34	19 Feb 2020	2	15.72	91.21	7.9	33.50	8.1	24.7	0.38
F34	19 Feb 2020	3	15.72	91.17	7.8	33.50	8.1	24.7	0.37
F34	19 Feb 2020	4	15.72	91.22	7.9	33.50	8.1	24.7	0.37
F34	19 Feb 2020	5	15.71	91.22	7.9	33.50	8.1	24.7	0.37
F34	19 Feb 2020	6	15.68	91.11	7.8	33.50	8.1	24.7	0.37
F34	19 Feb 2020	7	15.63	91.15	7.8	33.50	8.1	24.7	0.37
F34	19 Feb 2020	8	15.59	91.15	7.9	33.50	8.1	24.7	0.42
F34	19 Feb 2020	9	15.55	91.17	7.9	33.49	8.1	24.7	0.40
F34	19 Feb 2020	10	15.53	91.19	7.9	33.49	8.1	24.7	0.38
F34	19 Feb 2020	11	15.52	91.13	7.9	33.49	8.1	24.7	0.39
F34	19 Feb 2020	12	15.50	91.09	7.9	33.49	8.1	24.7	0.39
F34	19 Feb 2020	13	15.48	91.08	7.9	33.49	8.1	24.7	0.40
F34	19 Feb 2020	14	15.46	91.08	7.8	33.48	8.1	24.7	0.41
F34	19 Feb 2020	15	15.46	91.13	7.8	33.48	8.1	24.7	0.41
F34	19 Feb 2020	16	15.45	91.10	7.9	33.48	8.1	24.7	0.41
F34	19 Feb 2020	17	15.44	91.12	7.9	33.48	8.1	24.7	0.41
F34	19 Feb 2020	18	15.43	91.13	7.9	33.48	8.1	24.7	0.42
F34	19 Feb 2020	19	15.43	91.11	7.9	33.48	8.1	24.7	0.43
F34	19 Feb 2020	20	15.42	91.13	7.9	33.49	8.1	24.7	0.42
F34	19 Feb 2020	21	15.40	91.11	7.9	33.49	8.1	24.7	0.42
F34	19 Feb 2020	22	15.38	91.06	7.9	33.49	8.1	24.7	0.43
F34	19 Feb 2020	23	15.37	90.98	7.9	33.49	8.1	24.7	0.46
F34	19 Feb 2020	24	15.35	90.97	7.9	33.49	8.1	24.7	0.49
F34	19 Feb 2020	25	15.34	90.91	7.9	33.49	8.1	24.7	0.50
F34	19 Feb 2020	26	15.32	90.88	7.9	33.49	8.1	24.7	0.52
F34	19 Feb 2020	27	15.32	90.82	7.9	33.49	8.1	24.7	0.53
F34	19 Feb 2020	28	15.28	90.76	7.9	33.50	8.1	24.8	0.56
F34	19 Feb 2020	29	15.16	90.61	7.9	33.52	8.1	24.8	0.59
F34	19 Feb 2020	30	15.05	90.27	7.9	33.53	8.1	24.8	0.71
F34	19 Feb 2020	31	14.83	89.97	7.9	33.54	8.1	24.9	0.85
F34	19 Feb 2020	32	14.66	89.62	7.8	33.52	8.1	24.9	0.96
F34	19 Feb 2020	33	14.62	89.22	7.7	33.52	8.1	24.9	1.24
F34	19 Feb 2020	34	14.57	88.25	7.7	33.53	8.0	24.9	1.65
F34	19 Feb 2020	35	14.51	88.08	7.6	33.53	8.0	24.9	2.14
F34	19 Feb 2020	36	14.47	88.43	7.5	33.53	8.0	25.0	2.24
F34	19 Feb 2020	37	14.27	88.73	7.4	33.57	8.0	25.0	2.24
F34	19 Feb 2020	38	14.01	89.00	7.2	33.54	8.0	25.1	2.27
F34	19 Feb 2020	39	13.93	89.74	7.1	33.53	8.0	25.1	2.07
F34	19 Feb 2020	40	13.92	90.21	7.1	33.52	8.0	25.1	1.91
F34	19 Feb 2020	41	13.89	90.37	7.1	33.52	8.0	25.1	1.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F34	19 Feb 2020	42	13.79	90.51	7.0	33.53	8.0	25.1	1.70
F34	19 Feb 2020	43	13.49	90.66	6.9	33.54	8.0	25.2	1.67
F34	19 Feb 2020	44	13.44	90.77	7.0	33.50	8.0	25.1	1.61
F34	19 Feb 2020	45	13.35	90.90	7.0	33.51	8.0	25.2	1.51
F34	19 Feb 2020	46	13.29	91.17	7.0	33.49	8.0	25.2	1.42
F34	19 Feb 2020	47	13.26	91.15	6.9	33.49	8.0	25.2	1.34
F34	19 Feb 2020	48	13.23	91.28	6.9	33.48	8.0	25.2	1.24
F34	19 Feb 2020	49	13.16	91.34	6.9	33.49	8.0	25.2	1.19
F34	19 Feb 2020	50	12.96	91.36	6.9	33.51	8.0	25.2	1.12
F34	19 Feb 2020	51	12.80	91.42	6.9	33.50	8.0	25.3	1.06
F34	19 Feb 2020	52	12.64	91.51	6.9	33.49	8.0	25.3	1.00
F34	19 Feb 2020	53	12.61	91.60	6.9	33.48	8.0	25.3	0.96
F34	19 Feb 2020	54	12.57	91.44	6.9	33.47	8.0	25.3	0.92
F34	19 Feb 2020	55	12.53	91.58	6.9	33.47	8.0	25.3	0.95
F34	19 Feb 2020	56	12.46	91.69	6.9	33.48	8.0	25.3	0.89
F34	19 Feb 2020	57	12.42	91.70	6.8	33.49	7.9	25.3	0.89
F34	19 Feb 2020	58	12.36	91.70	6.7	33.51	7.9	25.4	0.91
F34	19 Feb 2020	59	12.34	91.76	6.6	33.53	7.9	25.4	0.86
F34	19 Feb 2020	60	12.33	91.74	6.5	33.55	7.9	25.4	0.83
F34	19 Feb 2020	61	12.33	91.74	6.4	33.55	7.9	25.4	0.79
F34	19 Feb 2020	62	12.31	91.72	6.4	33.55	7.9	25.4	0.76
F34	19 Feb 2020	63	12.25	91.74	6.4	33.57	7.9	25.4	0.75
F34	19 Feb 2020	64	12.14	91.78	6.3	33.60	7.9	25.5	0.71
F34	19 Feb 2020	65	12.14	91.83	6.2	33.60	7.9	25.5	0.67
F34	19 Feb 2020	66	12.15	91.68	6.1	33.60	7.9	25.5	0.67
F34	19 Feb 2020	67	12.15	91.55	6.0	33.61	7.9	25.5	0.63
F34	19 Feb 2020	68	12.14	91.43	5.8	33.62	7.9	25.5	0.61
F34	19 Feb 2020	69	12.09	91.15	5.6	33.65	7.8	25.5	0.59
F34	19 Feb 2020	70	12.07	90.34	5.4	33.66	7.8	25.5	0.57
F34	19 Feb 2020	71	12.07	89.88	5.3	33.66	7.8	25.5	0.54
F34	19 Feb 2020	72	12.07	89.84	5.2	33.66	7.8	25.5	0.51
F34	19 Feb 2020	73	12.07	89.82	5.2	33.66	7.8	25.5	0.47
F34	19 Feb 2020	74	12.07	89.83	5.3	33.66	7.8	25.5	0.47
F34	19 Feb 2020	75	12.06	89.77	5.2	33.66	7.8	25.5	0.48
F34	19 Feb 2020	76	12.05	89.68	5.2	33.66	7.8	25.5	0.45
F34	19 Feb 2020	77	12.05	89.63	5.2	33.66	7.8	25.5	0.45
F34	19 Feb 2020	78	12.04	89.63	5.2	33.66	7.8	25.5	0.45
F34	19 Feb 2020	79	12.04	89.57	5.2	33.66	7.8	25.5	0.45
F34	19 Feb 2020	80	12.03	89.53	5.2	33.66	7.8	25.5	0.43
F34	19 Feb 2020	81	12.01	89.46	5.1	33.67	7.8	25.6	0.42
F34	19 Feb 2020	82	12.00	89.42	5.1	33.67	7.8	25.6	0.42
F34	19 Feb 2020	83	11.95	89.44	5.2	33.67	7.8	25.6	0.41
F34	19 Feb 2020	84	11.93	89.60	5.3	33.67	7.8	25.6	0.42
F34	19 Feb 2020	85	11.92	89.57	5.2	33.67	7.8	25.6	0.43
F34	19 Feb 2020	86	11.91	89.29	5.1	33.68	7.8	25.6	0.42
F34	19 Feb 2020	87	11.88	88.87	5.0	33.69	7.8	25.6	0.42
F34	19 Feb 2020	88	11.77	87.80	4.8	33.72	7.8	25.6	0.39
F34	19 Feb 2020	89	11.75	83.90	4.7	33.72	7.8	25.6	0.37
F34	19 Feb 2020	90	11.74	82.74	4.7	33.72	7.8	25.6	0.35
F34	19 Feb 2020	91	11.73	82.70	4.6	33.72	7.8	25.6	0.34
F34	19 Feb 2020	92	11.73	82.13	4.6	33.72	7.8	25.6	0.31
F34	19 Feb 2020	93	11.71	82.05	4.6	33.73	7.8	25.7	0.31
F34	19 Feb 2020	94	11.70	81.64	4.6	33.73	7.8	25.7	0.31
F34	19 Feb 2020	95	11.69	81.35	4.5	33.73	7.8	25.7	0.31
F34	19 Feb 2020	96	11.69	81.14	4.5	33.73	7.8	25.7	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	19 Feb 2020	97	11.69	81.16	4.5	33.73	7.8	25.7	0.29
F34	19 Feb 2020	98	11.69	81.12	4.5	33.73	7.8	25.7	0.30
F34	19 Feb 2020	99	11.69	81.23	4.5	33.73	7.8	25.7	0.30
F34	19 Feb 2020	100	11.66	81.12	4.5	33.73	7.8	25.7	0.29
F34	19 Feb 2020	101	11.65	80.91	4.5	33.74	7.8	25.7	0.30
F34	19 Feb 2020	102	11.65	80.62	4.5	33.73	7.8	25.7	0.29
F35	19 Feb 2020	1	15.79	90.80	7.9	33.51	8.1	24.7	0.42
F35	19 Feb 2020	2	15.78	90.74	7.9	33.51	8.1	24.7	0.44
F35	19 Feb 2020	3	15.78	90.53	7.9	33.51	8.1	24.7	0.45
F35	19 Feb 2020	4	15.77	90.59	7.9	33.51	8.1	24.7	0.42
F35	19 Feb 2020	5	15.77	90.80	7.9	33.51	8.1	24.7	0.45
F35	19 Feb 2020	6	15.76	90.91	7.9	33.51	8.1	24.7	0.46
F35	19 Feb 2020	7	15.71	90.94	7.9	33.52	8.1	24.7	0.44
F35	19 Feb 2020	8	15.61	90.96	7.9	33.51	8.1	24.7	0.43
F35	19 Feb 2020	9	15.57	91.01	7.9	33.51	8.1	24.7	0.44
F35	19 Feb 2020	10	15.53	91.02	7.9	33.51	8.1	24.7	0.44
F35	19 Feb 2020	11	15.48	90.95	7.9	33.51	8.1	24.7	0.42
F35	19 Feb 2020	12	15.46	91.03	7.9	33.51	8.1	24.7	0.41
F35	19 Feb 2020	13	15.45	91.01	7.9	33.51	8.1	24.7	0.41
F35	19 Feb 2020	14	15.43	91.06	7.9	33.51	8.1	24.7	0.42
F35	19 Feb 2020	15	15.42	91.05	7.9	33.51	8.1	24.7	0.44
F35	19 Feb 2020	16	15.39	91.03	7.9	33.51	8.1	24.7	0.46
F35	19 Feb 2020	17	15.37	90.96	7.9	33.51	8.1	24.7	0.46
F35	19 Feb 2020	18	15.36	90.88	7.9	33.51	8.1	24.7	0.49
F35	19 Feb 2020	19	15.35	90.86	7.9	33.51	8.1	24.7	0.49
F35	19 Feb 2020	20	15.34	90.85	8.0	33.51	8.1	24.8	0.51
F35	19 Feb 2020	21	15.33	90.72	8.0	33.51	8.1	24.8	0.53
F35	19 Feb 2020	22	15.33	90.64	8.0	33.51	8.1	24.8	0.56
F35	19 Feb 2020	23	15.32	90.65	8.0	33.52	8.1	24.8	0.55
F35	19 Feb 2020	24	15.28	90.56	8.1	33.52	8.1	24.8	0.57
F35	19 Feb 2020	25	15.24	90.54	8.1	33.52	8.1	24.8	0.58
F35	19 Feb 2020	26	15.19	90.38	8.0	33.52	8.1	24.8	0.61
F35	19 Feb 2020	27	15.14	90.42	8.0	33.51	8.1	24.8	0.64
F35	19 Feb 2020	28	15.08	90.43	8.0	33.50	8.1	24.8	0.67
F35	19 Feb 2020	29	15.02	90.56	7.9	33.50	8.1	24.8	0.70
F35	19 Feb 2020	30	14.97	90.56	7.9	33.50	8.1	24.8	0.75
F35	19 Feb 2020	31	14.94	90.60	7.9	33.49	8.1	24.8	0.80
F35	19 Feb 2020	32	14.89	90.44	7.9	33.49	8.1	24.8	0.87
F35	19 Feb 2020	33	14.87	90.37	7.9	33.50	8.1	24.8	1.02
F35	19 Feb 2020	34	14.82	89.99	7.8	33.51	8.1	24.9	1.18
F35	19 Feb 2020	35	14.74	89.37	7.8	33.52	8.1	24.9	1.47
F35	19 Feb 2020	36	14.55	88.78	7.7	33.51	8.0	24.9	1.91
F35	19 Feb 2020	37	14.48	87.93	7.7	33.50	8.0	24.9	2.14
F35	19 Feb 2020	38	14.44	87.97	7.7	33.49	8.0	24.9	2.17
F35	19 Feb 2020	39	14.40	88.19	7.6	33.50	8.0	24.9	2.11
F35	19 Feb 2020	40	14.34	88.43	7.6	33.49	8.0	25.0	2.23
F35	19 Feb 2020	41	14.29	88.42	7.6	33.49	8.0	25.0	2.22
F35	19 Feb 2020	42	14.17	88.70	7.4	33.50	8.0	25.0	2.13
F35	19 Feb 2020	43	13.97	89.06	7.3	33.51	8.0	25.0	1.89
F35	19 Feb 2020	44	13.93	89.46	7.2	33.51	8.0	25.0	1.70
F35	19 Feb 2020	45	13.88	89.95	7.1	33.51	8.0	25.1	1.66
F35	19 Feb 2020	46	13.73	90.30	7.0	33.52	8.0	25.1	1.55
F35	19 Feb 2020	47	13.57	90.36	7.0	33.51	8.0	25.1	1.59
F35	19 Feb 2020	48	13.50	90.64	6.9	33.51	8.0	25.1	1.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	19 Feb 2020	49	13.44	90.82	6.9	33.50	8.0	25.1	1.32
F35	19 Feb 2020	50	13.42	90.95	6.9	33.50	8.0	25.1	1.34
F35	19 Feb 2020	51	13.37	91.07	6.9	33.50	8.0	25.2	1.18
F35	19 Feb 2020	52	13.34	91.11	6.9	33.50	8.0	25.2	1.21
F35	19 Feb 2020	53	13.31	91.09	6.8	33.50	8.0	25.2	1.20
F35	19 Feb 2020	54	13.25	91.19	6.8	33.50	8.0	25.2	1.16
F35	19 Feb 2020	55	13.09	91.28	6.8	33.53	8.0	25.2	1.16
F35	19 Feb 2020	56	12.69	91.33	6.8	33.52	7.9	25.3	1.12
F35	19 Feb 2020	57	12.59	91.39	6.9	33.49	7.9	25.3	1.06
F35	19 Feb 2020	58	12.56	91.63	6.8	33.48	7.9	25.3	0.95
F35	19 Feb 2020	59	12.53	91.76	6.9	33.48	7.9	25.3	0.86
F35	19 Feb 2020	60	12.48	91.73	6.9	33.48	7.9	25.3	0.89
F35	19 Feb 2020	61	12.45	91.74	6.8	33.48	7.9	25.3	0.81
F35	19 Feb 2020	62	12.42	91.75	6.8	33.48	7.9	25.3	0.86
F35	19 Feb 2020	63	12.39	91.77	6.8	33.48	7.9	25.3	0.84
F35	19 Feb 2020	64	12.34	91.77	6.8	33.50	7.9	25.4	0.85
F35	19 Feb 2020	65	12.24	91.77	6.7	33.52	7.9	25.4	0.88
F35	19 Feb 2020	66	12.17	91.77	6.6	33.54	7.9	25.4	0.83
F35	19 Feb 2020	67	12.12	91.82	6.5	33.55	7.9	25.4	0.76
F35	19 Feb 2020	68	12.05	91.90	6.5	33.57	7.9	25.5	0.69
F35	19 Feb 2020	69	12.02	91.94	6.4	33.58	7.9	25.5	0.65
F35	19 Feb 2020	70	11.98	91.97	6.3	33.60	7.9	25.5	0.63
F35	19 Feb 2020	71	11.95	91.98	6.2	33.60	7.9	25.5	0.58
F35	19 Feb 2020	72	11.95	91.91	6.2	33.61	7.9	25.5	0.57
F35	19 Feb 2020	73	11.95	91.81	6.2	33.61	7.9	25.5	0.57
F35	19 Feb 2020	74	11.95	91.81	6.1	33.61	7.9	25.5	0.54
F35	19 Feb 2020	75	11.95	91.78	6.1	33.61	7.9	25.5	0.52
F35	19 Feb 2020	76	11.95	91.76	6.1	33.61	7.9	25.5	0.53
F35	19 Feb 2020	77	11.95	91.72	6.1	33.61	7.9	25.5	0.51
F35	19 Feb 2020	78	11.95	91.80	6.1	33.61	7.9	25.5	0.54
F35	19 Feb 2020	79	11.95	91.72	6.1	33.61	7.9	25.5	0.52
F35	19 Feb 2020	80	11.90	91.64	6.0	33.63	7.9	25.5	0.55
F35	19 Feb 2020	81	11.87	91.41	5.8	33.64	7.9	25.6	0.53
F35	19 Feb 2020	82	11.84	91.27	5.8	33.64	7.9	25.6	0.50
F35	19 Feb 2020	83	11.81	91.07	5.7	33.65	7.8	25.6	0.50
F35	19 Feb 2020	84	11.80	90.85	5.6	33.65	7.8	25.6	0.48
F35	19 Feb 2020	85	11.77	90.30	5.5	33.67	7.8	25.6	0.45
F35	19 Feb 2020	86	11.76	89.90	5.4	33.67	7.8	25.6	0.43
F35	19 Feb 2020	87	11.77	89.66	5.4	33.67	7.8	25.6	0.41
F35	19 Feb 2020	88	11.76	89.52	5.3	33.67	7.8	25.6	0.40
F35	19 Feb 2020	89	11.76	89.28	5.3	33.68	7.8	25.6	0.40
F35	19 Feb 2020	90	11.76	88.86	5.2	33.68	7.8	25.6	0.38
F35	19 Feb 2020	91	11.76	88.62	5.2	33.69	7.8	25.6	0.39
F35	19 Feb 2020	92	11.73	88.02	5.0	33.70	7.8	25.6	0.37
F35	19 Feb 2020	93	11.69	87.17	5.0	33.71	7.8	25.6	0.35
F35	19 Feb 2020	94	11.67	86.56	5.0	33.71	7.8	25.6	0.35
F35	19 Feb 2020	95	11.65	86.40	5.0	33.71	7.8	25.7	0.34
F35	19 Feb 2020	96	11.61	86.36	5.0	33.71	7.8	25.7	0.33
F35	19 Feb 2020	97	11.62	86.30	5.0	33.71	7.8	25.7	0.32
F35	19 Feb 2020	98	11.58	86.32	5.0	33.72	7.8	25.7	0.32
F35	19 Feb 2020	99	11.57	86.47	5.0	33.71	7.8	25.7	0.31
F35	19 Feb 2020	100	11.56	86.53	5.0	33.71	7.8	25.7	0.32
F35	19 Feb 2020	101	11.55	86.34	5.0	33.71	7.8	25.7	0.31
F36	19 Feb 2020	1	15.83	90.71	8.0	33.52	8.0	24.7	0.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	19 Feb 2020	2	15.83	90.48	8.0	33.53	8.0	24.7	0.51
F36	19 Feb 2020	3	15.83	89.57	8.0	33.53	8.0	24.7	0.50
F36	19 Feb 2020	4	15.83	89.88	8.0	33.53	8.0	24.7	0.56
F36	19 Feb 2020	5	15.82	90.21	7.9	33.53	8.0	24.7	0.54
F36	19 Feb 2020	6	15.78	90.69	8.0	33.53	8.0	24.7	0.57
F36	19 Feb 2020	7	15.72	90.67	8.0	33.53	8.0	24.7	0.54
F36	19 Feb 2020	8	15.67	90.64	7.9	33.53	8.0	24.7	0.57
F36	19 Feb 2020	9	15.55	90.58	8.0	33.54	8.0	24.7	0.56
F36	19 Feb 2020	10	15.49	90.51	8.0	33.53	8.1	24.7	0.56
F36	19 Feb 2020	11	15.47	90.43	8.0	33.52	8.1	24.7	0.56
F36	19 Feb 2020	12	15.44	90.41	8.0	33.52	8.1	24.7	0.69
F36	19 Feb 2020	13	15.41	90.48	8.0	33.52	8.1	24.7	0.55
F36	19 Feb 2020	14	15.37	90.56	8.0	33.52	8.1	24.8	0.55
F36	19 Feb 2020	15	15.35	90.57	8.1	33.52	8.1	24.8	0.54
F36	19 Feb 2020	16	15.35	90.49	8.1	33.52	8.1	24.8	0.55
F36	19 Feb 2020	17	15.33	90.41	8.0	33.52	8.1	24.8	0.55
F36	19 Feb 2020	18	15.32	90.44	8.0	33.52	8.1	24.8	0.55
F36	19 Feb 2020	19	15.31	90.46	8.1	33.52	8.1	24.8	0.58
F36	19 Feb 2020	20	15.30	90.49	8.1	33.52	8.1	24.8	0.60
F36	19 Feb 2020	21	15.28	90.38	8.0	33.52	8.1	24.8	0.62
F36	19 Feb 2020	22	15.27	90.34	8.0	33.52	8.1	24.8	0.64
F36	19 Feb 2020	23	15.25	90.28	8.1	33.52	8.1	24.8	0.62
F36	19 Feb 2020	24	15.23	90.21	8.1	33.52	8.1	24.8	0.68
F36	19 Feb 2020	25	15.21	90.10	8.1	33.52	8.1	24.8	0.74
F36	19 Feb 2020	26	15.18	89.93	8.1	33.53	8.1	24.8	0.80
F36	19 Feb 2020	27	15.14	89.86	8.1	33.53	8.1	24.8	0.89
F36	19 Feb 2020	28	15.08	89.77	8.0	33.53	8.1	24.8	0.93
F36	19 Feb 2020	29	15.07	89.53	8.1	33.53	8.1	24.8	1.06
F36	19 Feb 2020	30	15.05	89.46	8.1	33.53	8.1	24.8	1.13
F36	19 Feb 2020	31	15.04	89.44	8.1	33.53	8.1	24.8	1.25
F36	19 Feb 2020	32	15.03	89.36	8.1	33.53	8.1	24.8	1.28
F36	19 Feb 2020	33	15.03	89.38	8.0	33.52	8.1	24.8	1.31
F36	19 Feb 2020	34	15.02	89.41	8.0	33.53	8.1	24.8	1.34
F36	19 Feb 2020	35	15.00	89.43	8.0	33.53	8.1	24.8	1.31
F36	19 Feb 2020	36	14.92	89.43	8.0	33.54	8.1	24.9	1.31
F36	19 Feb 2020	37	14.86	89.25	8.0	33.53	8.1	24.9	1.39
F36	19 Feb 2020	38	14.82	88.99	7.9	33.53	8.1	24.9	1.53
F36	19 Feb 2020	39	14.75	88.84	7.9	33.53	8.1	24.9	1.62
F36	19 Feb 2020	40	14.67	88.77	7.8	33.52	8.0	24.9	1.68
F36	19 Feb 2020	41	14.60	88.64	7.8	33.52	8.0	24.9	1.79
F36	19 Feb 2020	42	14.52	88.52	7.7	33.51	8.0	24.9	1.87
F36	19 Feb 2020	43	14.47	88.76	7.6	33.51	8.0	24.9	1.96
F36	19 Feb 2020	44	14.40	88.81	7.6	33.50	8.0	24.9	2.00
F36	19 Feb 2020	45	14.36	88.99	7.5	33.50	8.0	25.0	1.99
F36	19 Feb 2020	46	14.32	89.07	7.5	33.50	8.0	25.0	1.99
F36	19 Feb 2020	47	14.26	89.30	7.4	33.51	8.0	25.0	1.97
F36	19 Feb 2020	48	14.10	89.41	7.3	33.51	8.0	25.0	2.01
F36	19 Feb 2020	49	14.07	89.43	7.3	33.50	8.0	25.0	2.02
F36	19 Feb 2020	50	14.01	89.71	7.2	33.51	8.0	25.0	1.93
F36	19 Feb 2020	51	13.94	89.79	7.2	33.50	8.0	25.0	1.76
F36	19 Feb 2020	52	13.91	90.06	7.2	33.49	8.0	25.0	1.72
F36	19 Feb 2020	53	13.86	90.29	7.1	33.50	8.0	25.1	1.64
F36	19 Feb 2020	54	13.67	90.43	6.9	33.54	8.0	25.1	1.60
F36	19 Feb 2020	55	13.58	90.57	6.8	33.53	8.0	25.1	1.51
F36	19 Feb 2020	56	13.41	90.97	6.7	33.55	7.9	25.2	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	19 Feb 2020	57	13.27	91.09	6.6	33.53	7.9	25.2	1.34
F36	19 Feb 2020	58	13.22	91.29	6.6	33.53	7.9	25.2	1.21
F36	19 Feb 2020	59	13.19	91.38	6.6	33.53	7.9	25.2	1.17
F36	19 Feb 2020	60	13.15	91.38	6.6	33.52	7.9	25.2	1.16
F36	19 Feb 2020	61	13.13	91.39	6.6	33.52	7.9	25.2	1.09
F36	19 Feb 2020	62	13.07	91.45	6.6	33.52	7.9	25.2	1.11
F36	19 Feb 2020	63	13.01	91.47	6.6	33.53	7.9	25.3	1.13
F36	19 Feb 2020	64	12.94	91.51	6.5	33.53	7.9	25.3	0.99
F36	19 Feb 2020	65	12.94	91.57	6.5	33.52	7.9	25.3	0.95
F36	19 Feb 2020	66	12.91	91.50	6.5	33.53	7.9	25.3	0.93
F36	19 Feb 2020	67	12.80	91.60	6.4	33.55	7.9	25.3	0.95
F36	19 Feb 2020	68	12.74	91.68	6.4	33.56	7.9	25.3	0.90
F36	19 Feb 2020	69	12.66	91.79	6.2	33.57	7.9	25.4	0.87
F36	19 Feb 2020	70	12.52	91.79	6.2	33.58	7.9	25.4	0.84
F36	19 Feb 2020	71	12.44	91.88	6.2	33.58	7.9	25.4	0.81
F36	19 Feb 2020	72	12.39	91.92	6.2	33.58	7.9	25.4	0.76
F36	19 Feb 2020	73	12.31	91.95	6.2	33.57	7.9	25.4	0.72
F36	19 Feb 2020	74	12.21	91.98	6.3	33.57	7.9	25.4	0.72
F36	19 Feb 2020	75	12.11	91.97	6.3	33.56	7.9	25.5	0.70
F36	19 Feb 2020	76	11.95	91.98	6.3	33.57	7.9	25.5	0.71
F36	19 Feb 2020	77	11.86	91.98	6.3	33.57	7.9	25.5	0.73
F36	19 Feb 2020	78	11.82	92.01	6.3	33.57	7.9	25.5	0.67
F36	19 Feb 2020	79	11.75	92.03	6.3	33.58	7.9	25.5	0.65
F36	19 Feb 2020	80	11.72	92.13	6.3	33.58	7.9	25.5	0.62
F36	19 Feb 2020	81	11.70	92.16	6.3	33.59	7.9	25.5	0.60
F36	19 Feb 2020	82	11.71	92.14	6.3	33.59	7.9	25.5	0.59
F36	19 Feb 2020	83	11.73	92.17	6.2	33.60	7.9	25.6	0.55
F36	19 Feb 2020	84	11.73	92.07	6.1	33.61	7.9	25.6	0.54
F36	19 Feb 2020	85	11.72	91.95	6.0	33.63	7.9	25.6	0.53
F36	19 Feb 2020	86	11.70	91.72	6.0	33.63	7.9	25.6	0.50
F36	19 Feb 2020	87	11.69	91.63	5.9	33.64	7.9	25.6	0.48
F36	19 Feb 2020	88	11.58	91.57	5.8	33.67	7.8	25.6	0.47
F36	19 Feb 2020	89	11.54	91.48	5.7	33.68	7.8	25.6	0.45
F36	19 Feb 2020	90	11.50	91.24	5.6	33.68	7.8	25.7	0.43
F36	19 Feb 2020	91	11.50	91.05	5.6	33.68	7.8	25.7	0.40
F36	19 Feb 2020	92	11.50	90.99	5.5	33.68	7.8	25.7	0.39
F36	19 Feb 2020	93	11.50	90.93	5.5	33.68	7.8	25.7	0.38
F36	19 Feb 2020	94	11.50	90.90	5.5	33.68	7.8	25.7	0.38
F36	19 Feb 2020	95	11.50	90.92	5.5	33.68	7.8	25.7	0.37
F36	19 Feb 2020	96	11.50	90.84	5.5	33.68	7.8	25.7	0.38
F36	19 Feb 2020	97	11.51	90.76	5.5	33.68	7.8	25.7	0.36
F36	19 Feb 2020	98	11.50	90.63	5.5	33.68	7.8	25.7	0.37
F36	19 Feb 2020	99	11.51	90.60	5.4	33.69	7.8	25.7	0.36
F36	19 Feb 2020	100	11.39	89.95	5.1	33.74	7.8	25.7	0.37
F36	19 Feb 2020	101	11.37	88.82	5.0	33.74	7.8	25.7	0.34

NA = not available

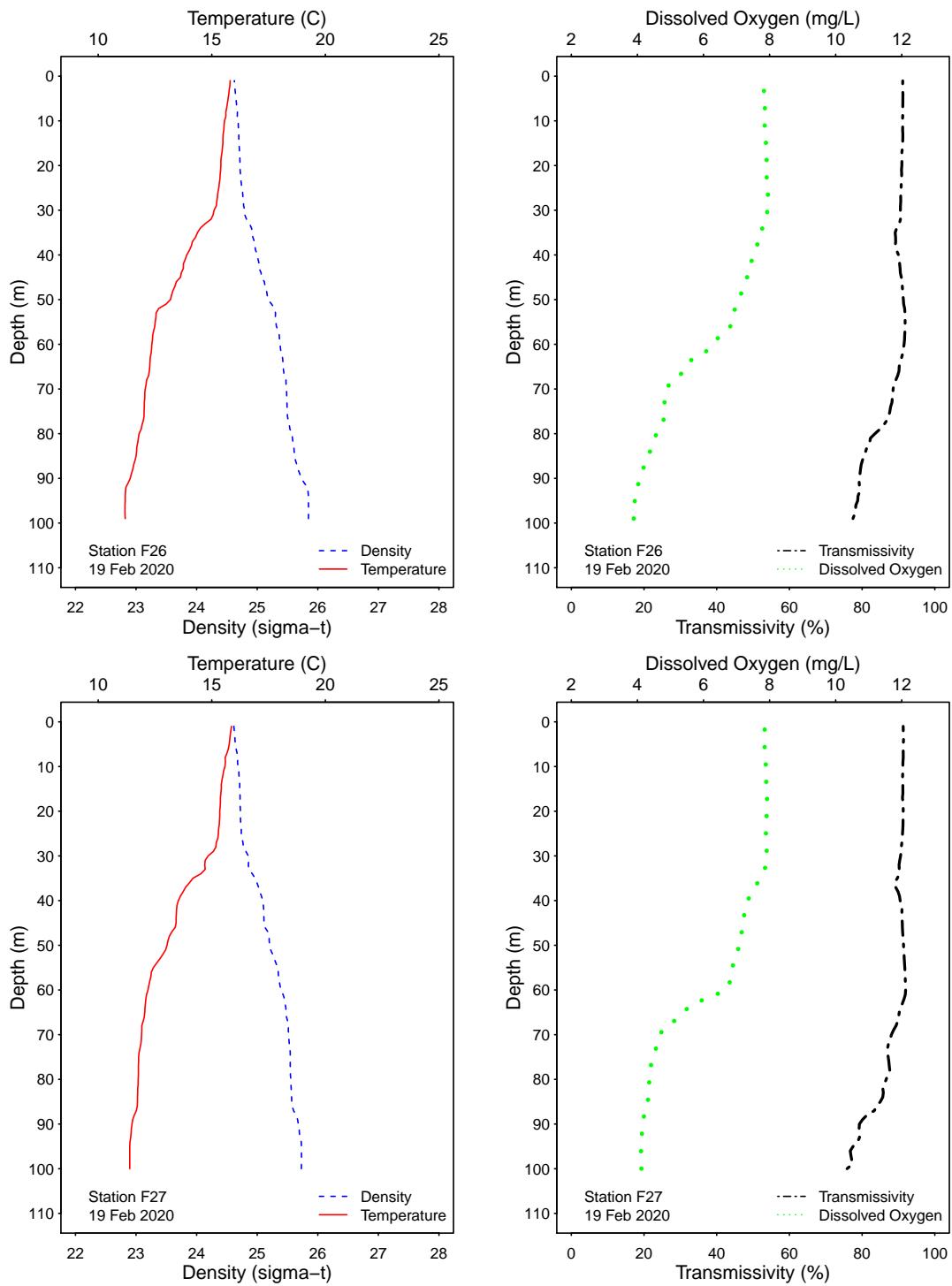


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

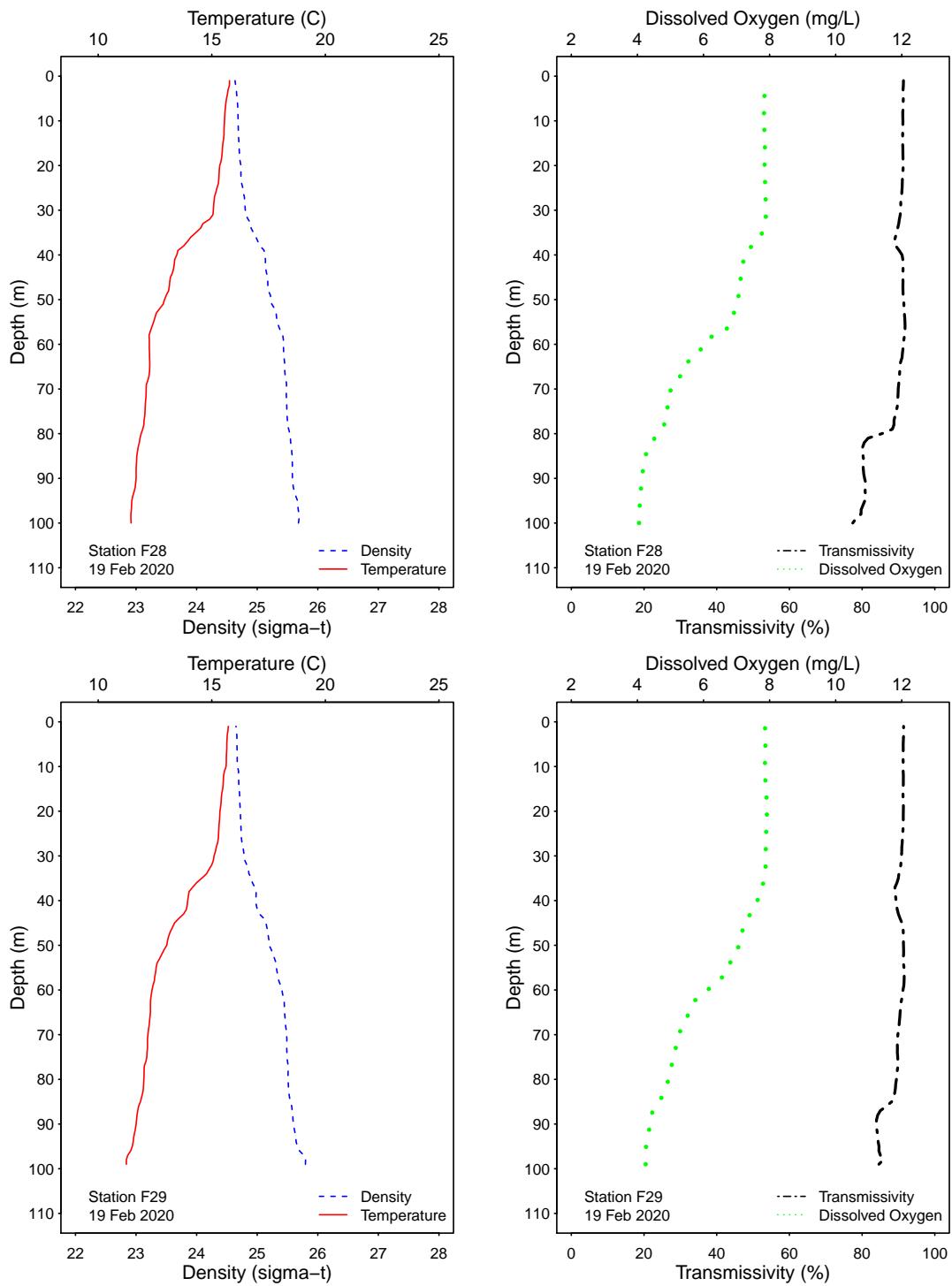


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

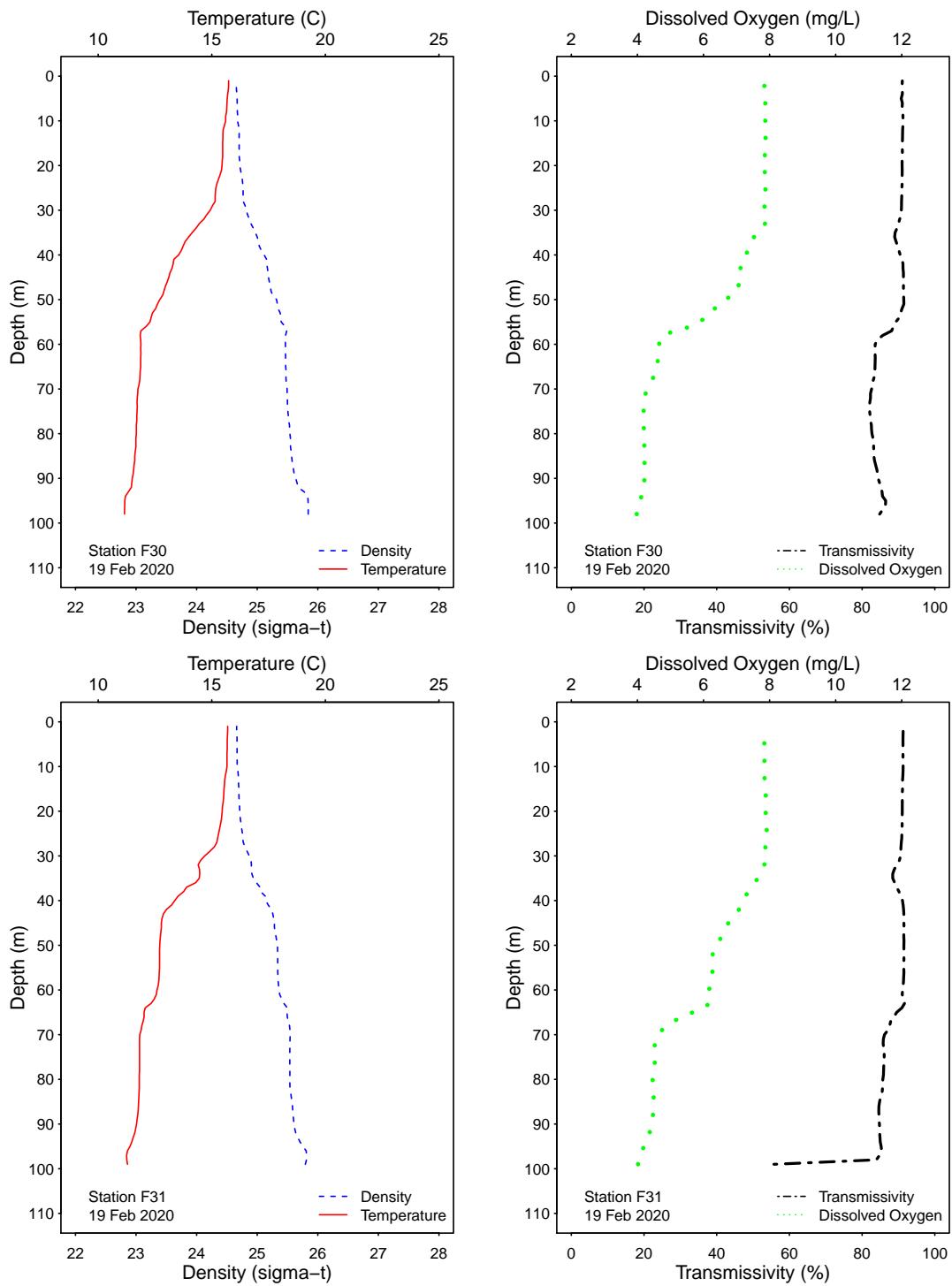


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

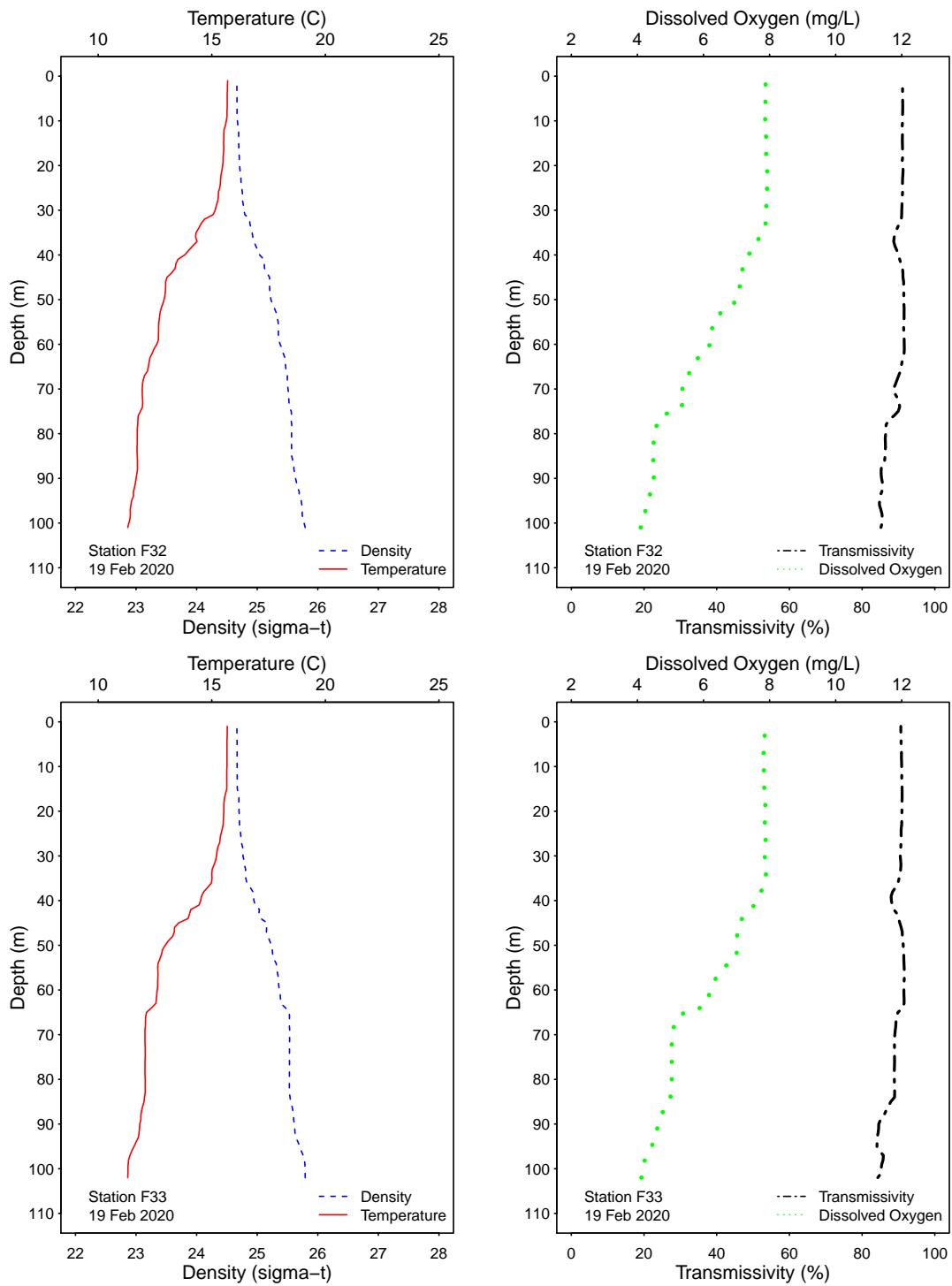


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

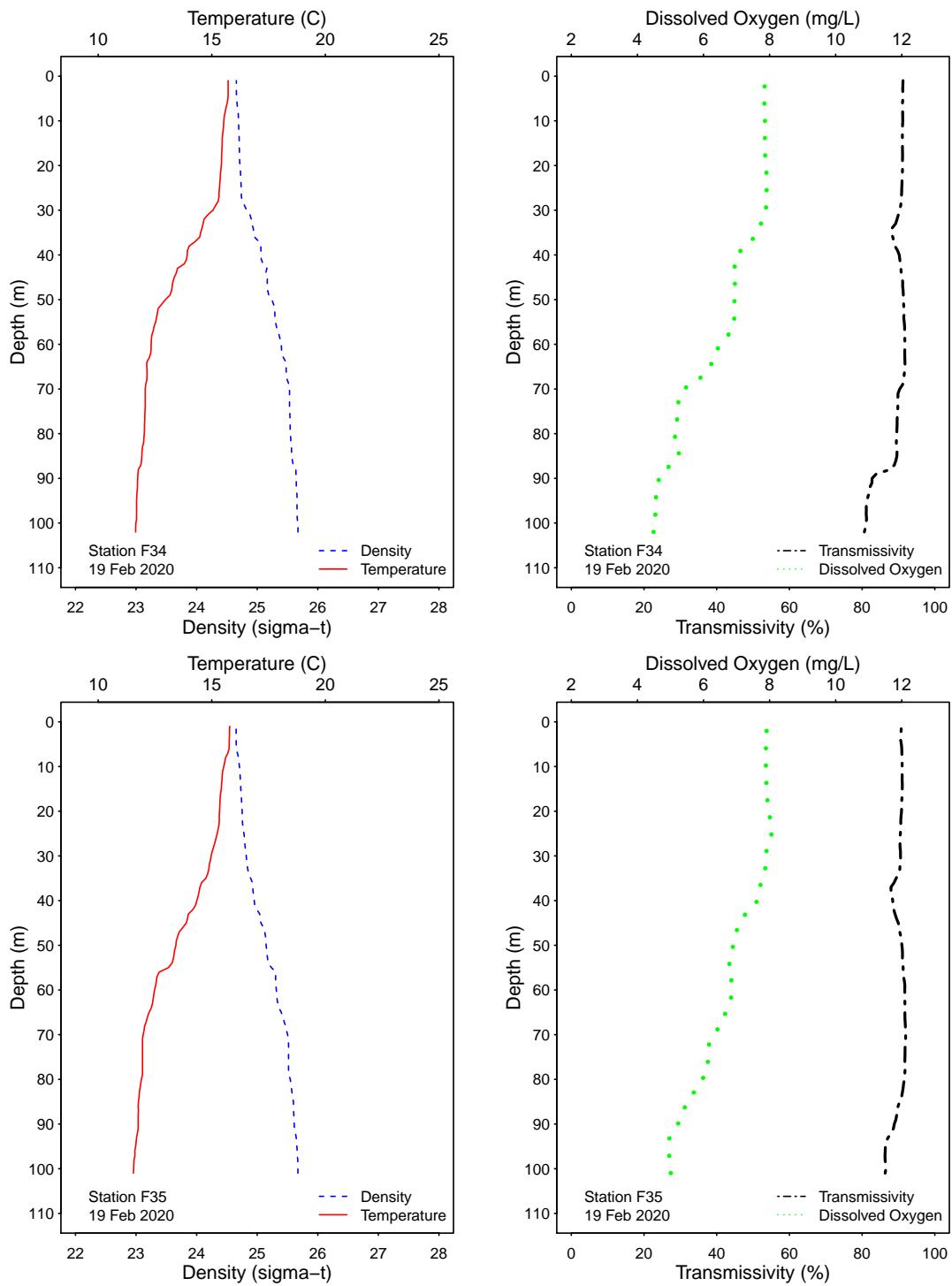


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

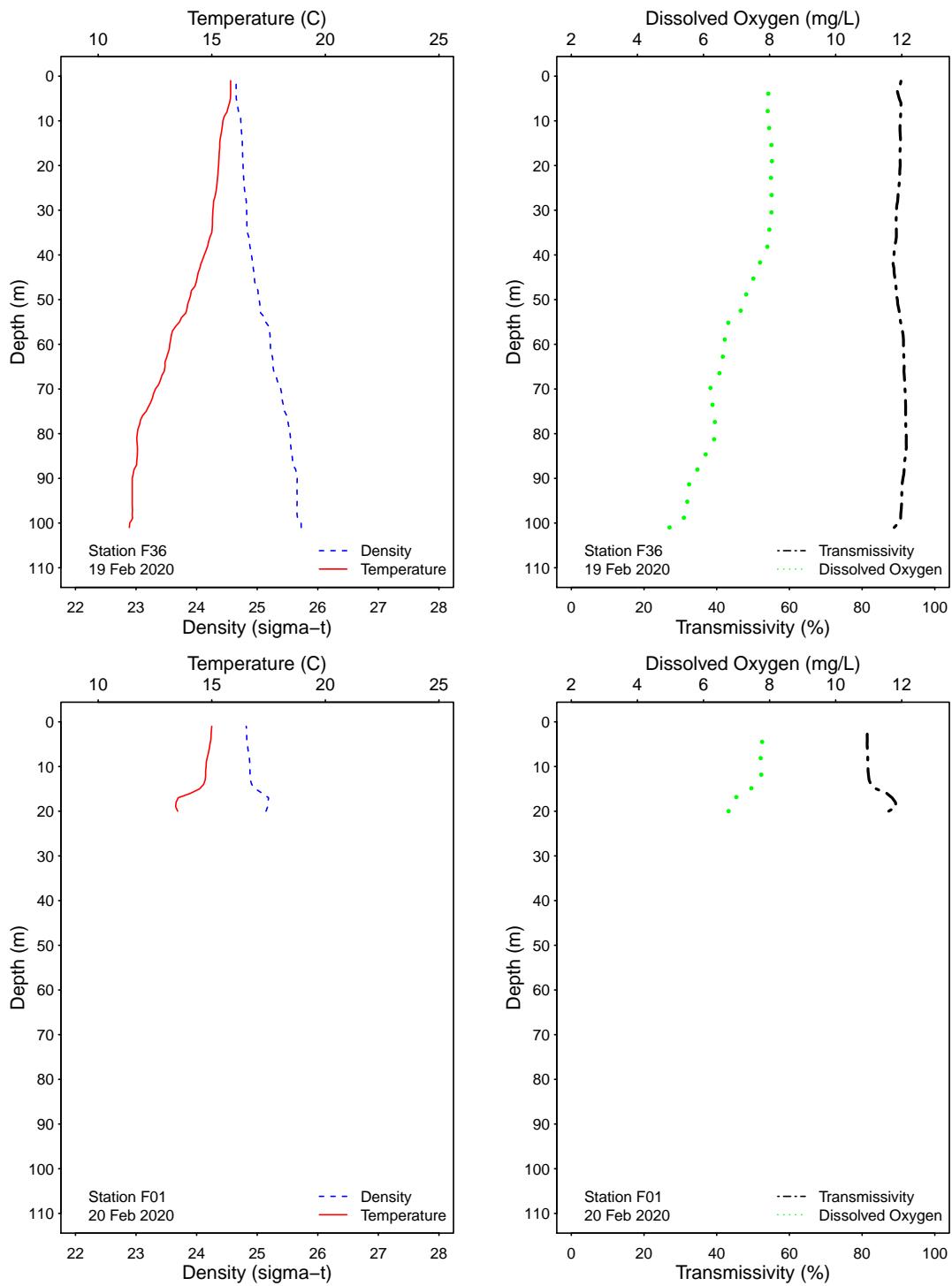


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

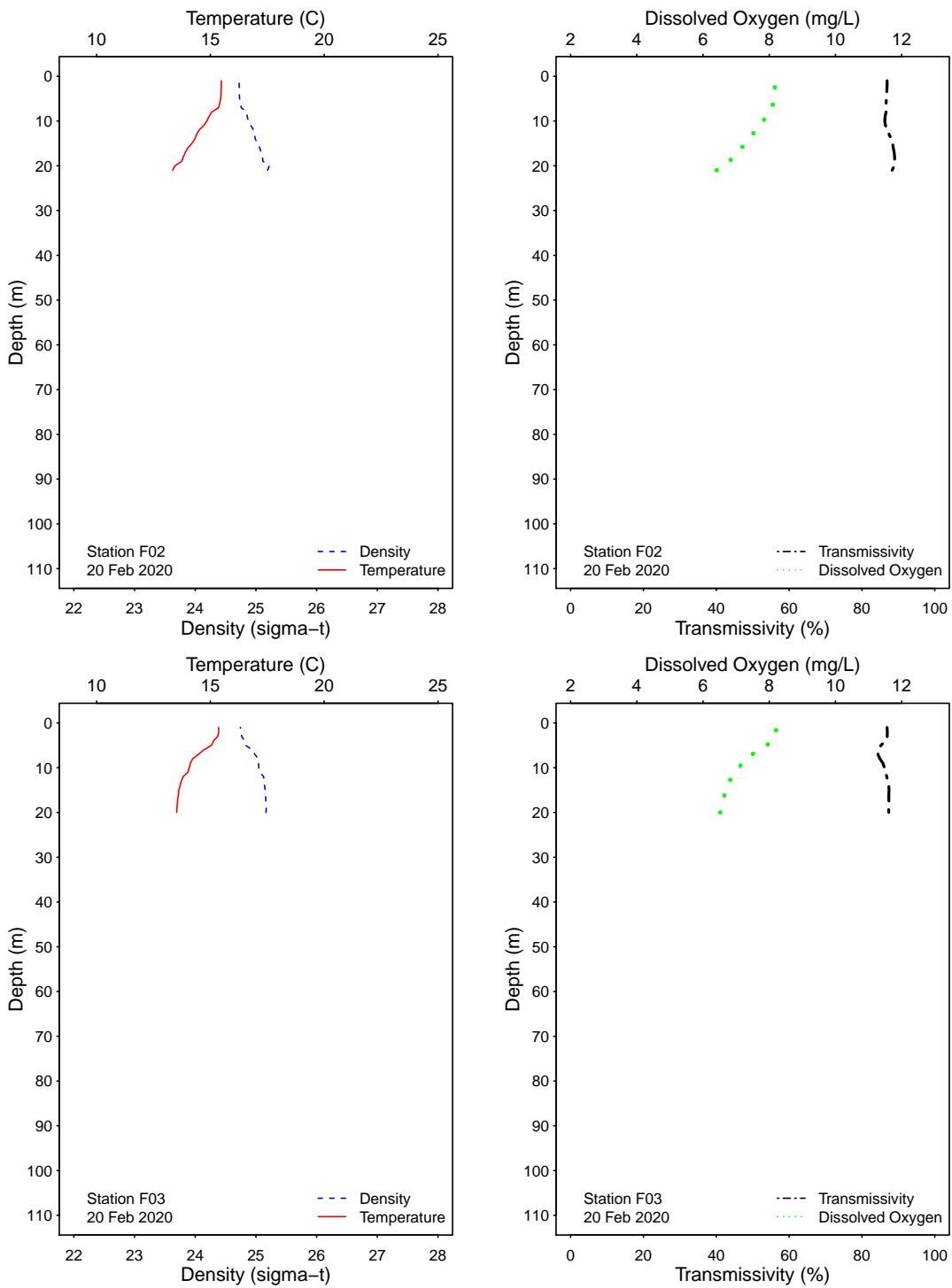


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

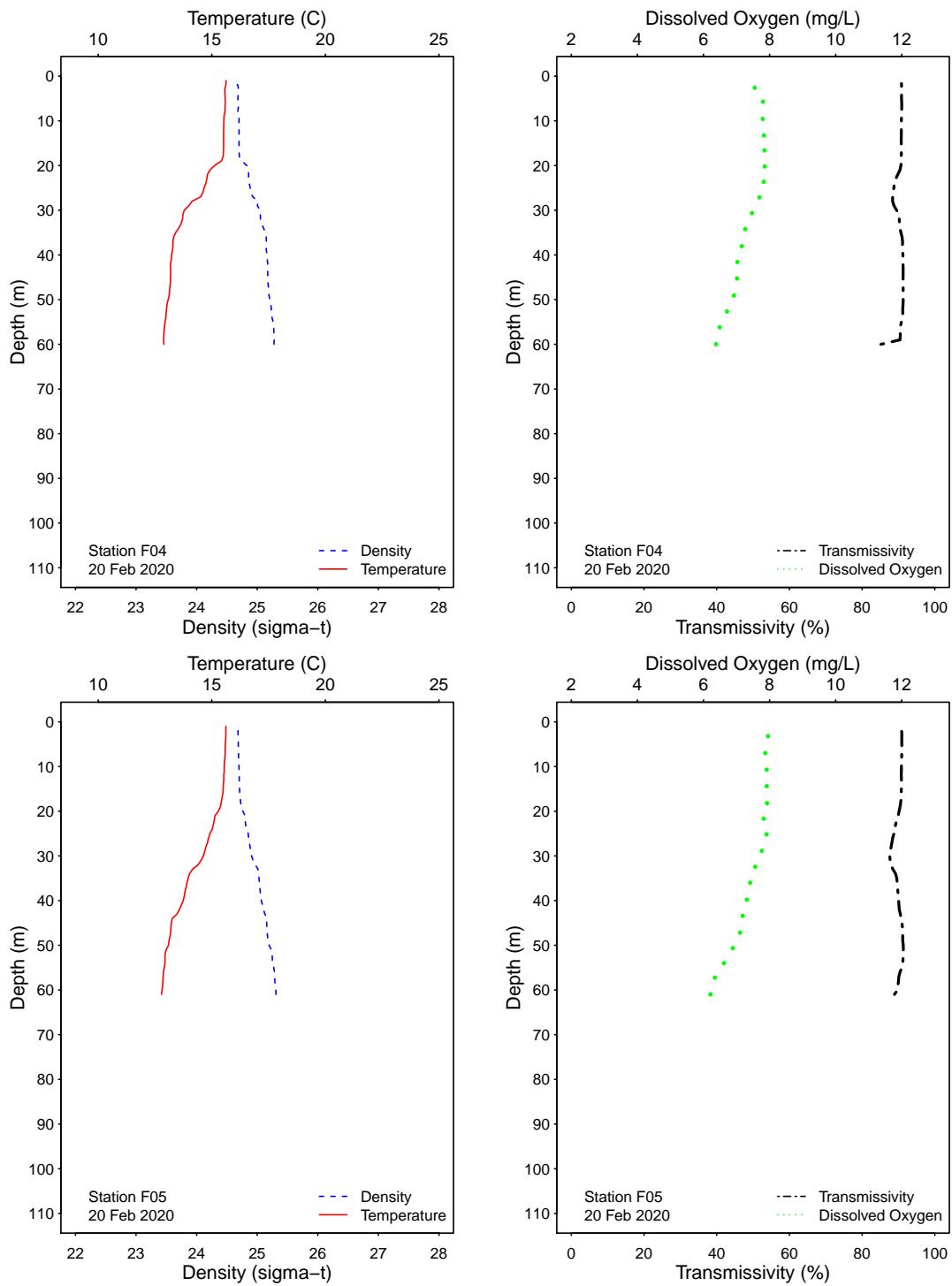


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

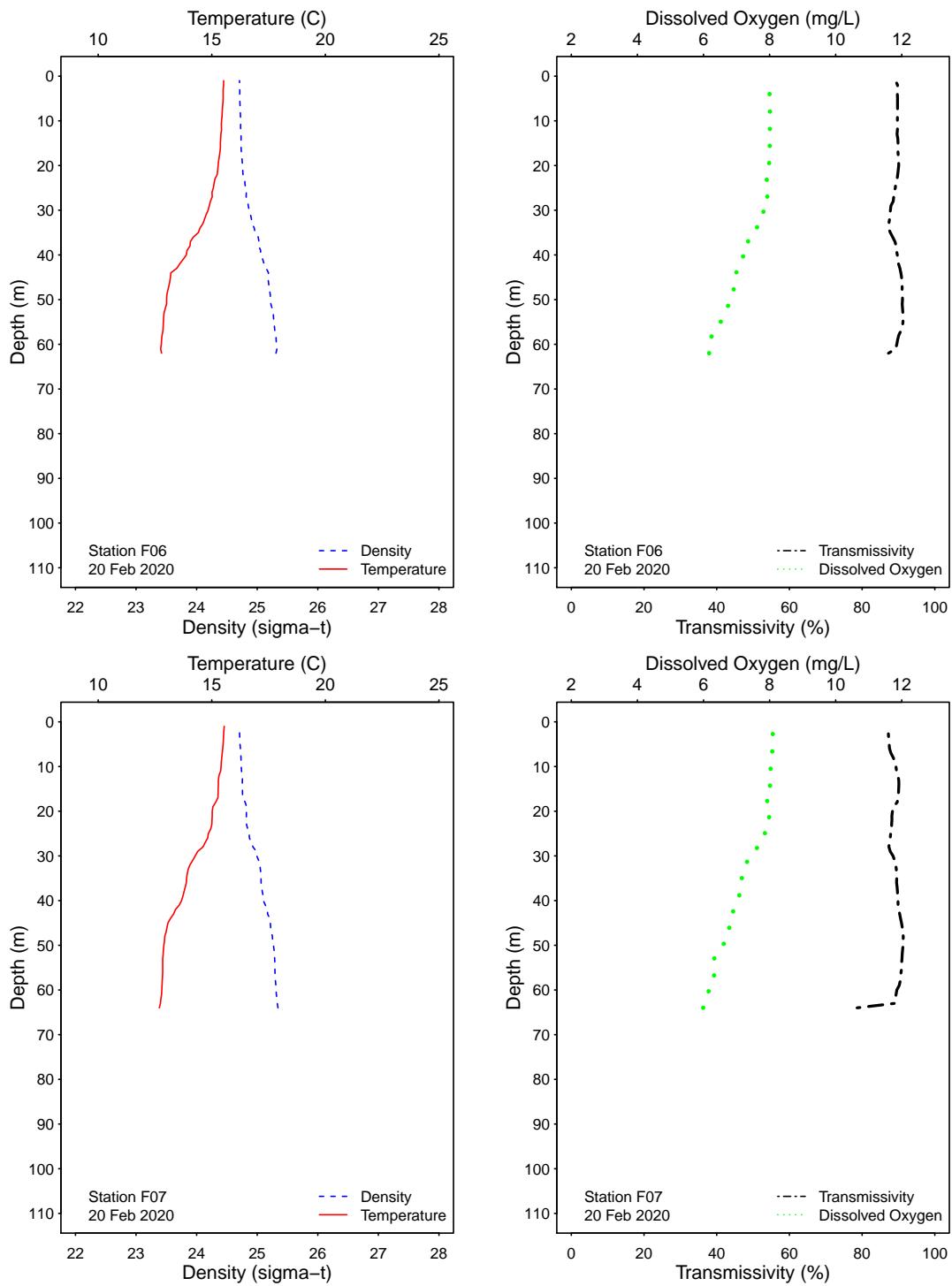


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

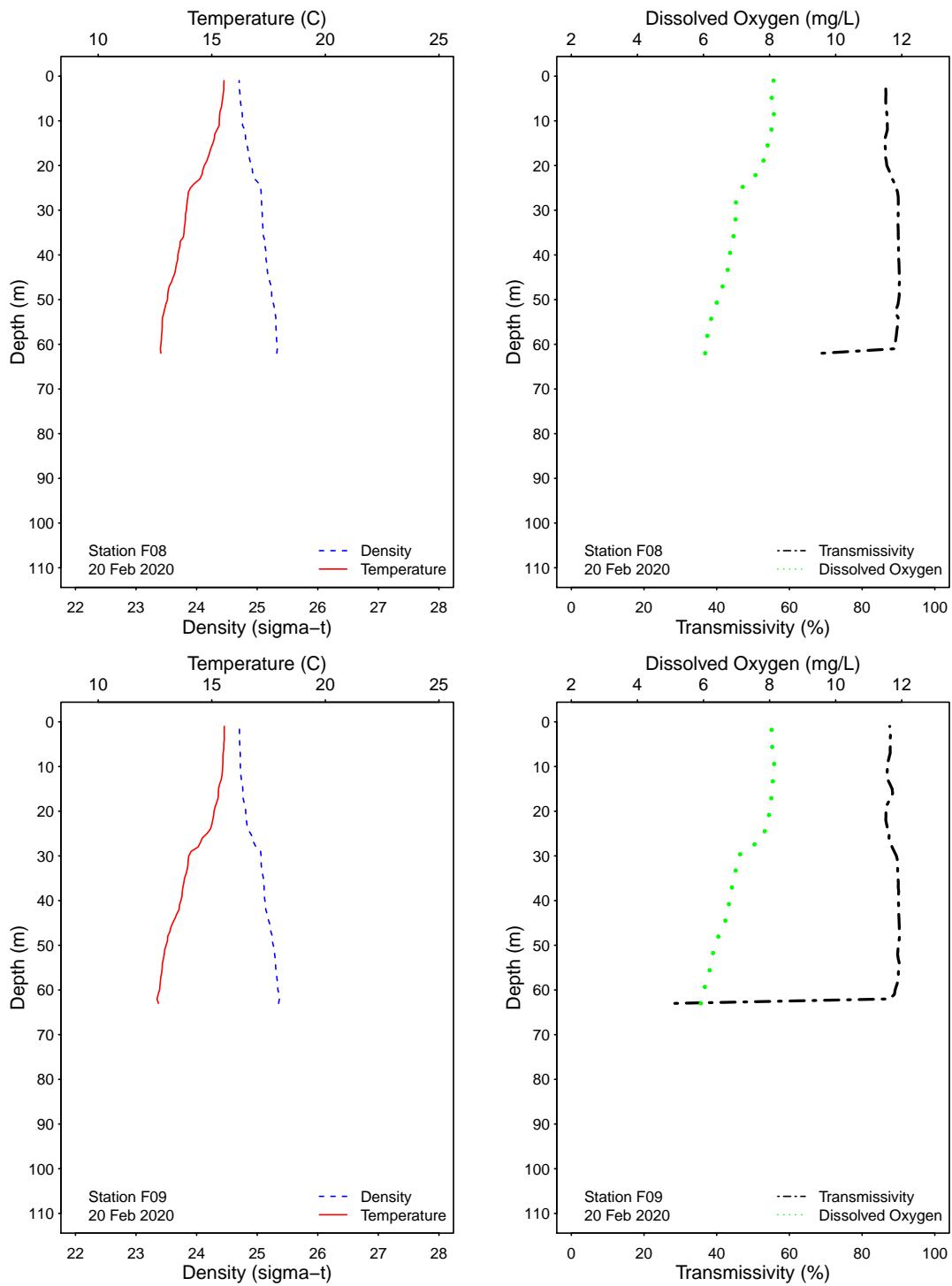


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

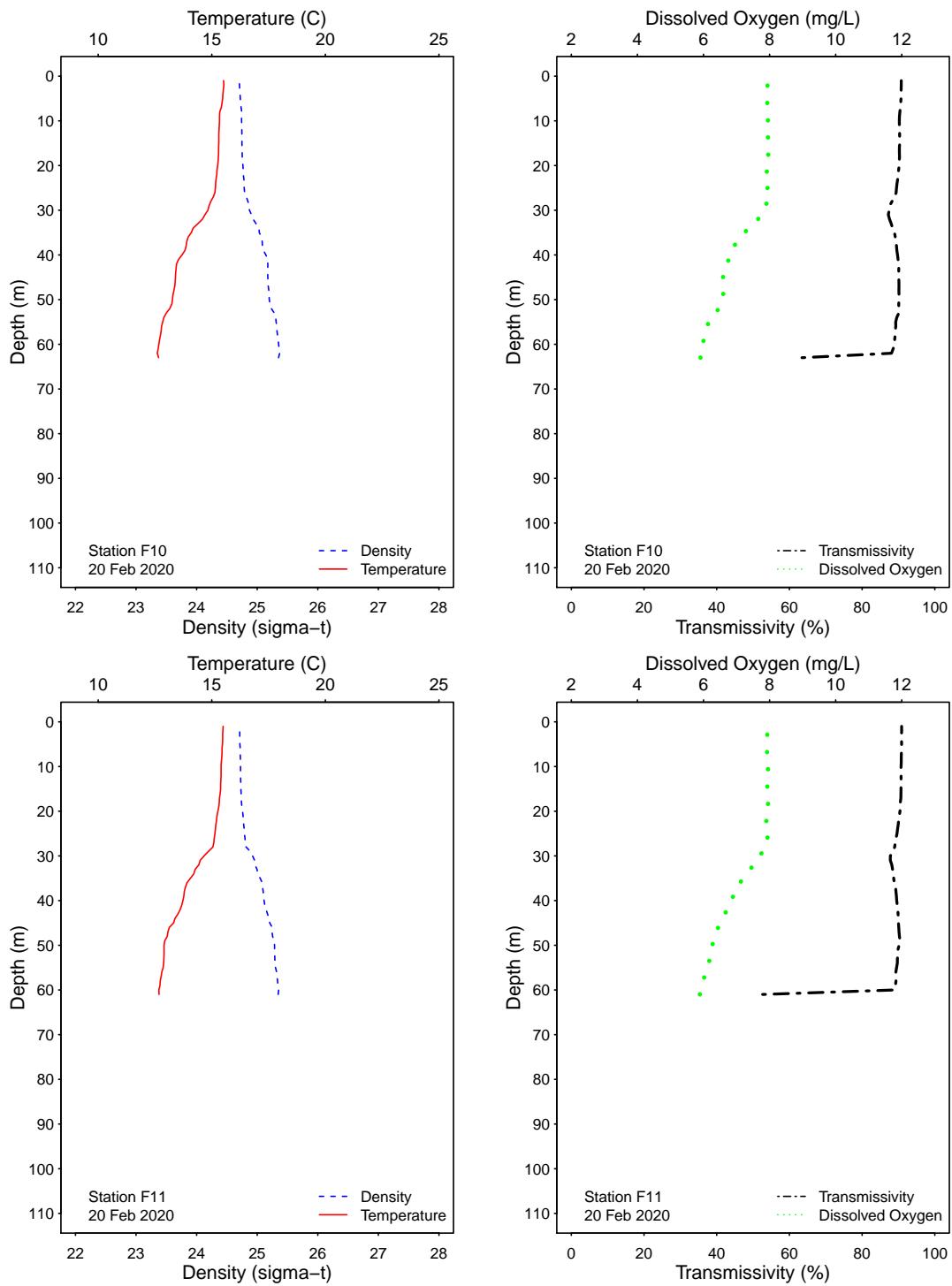


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

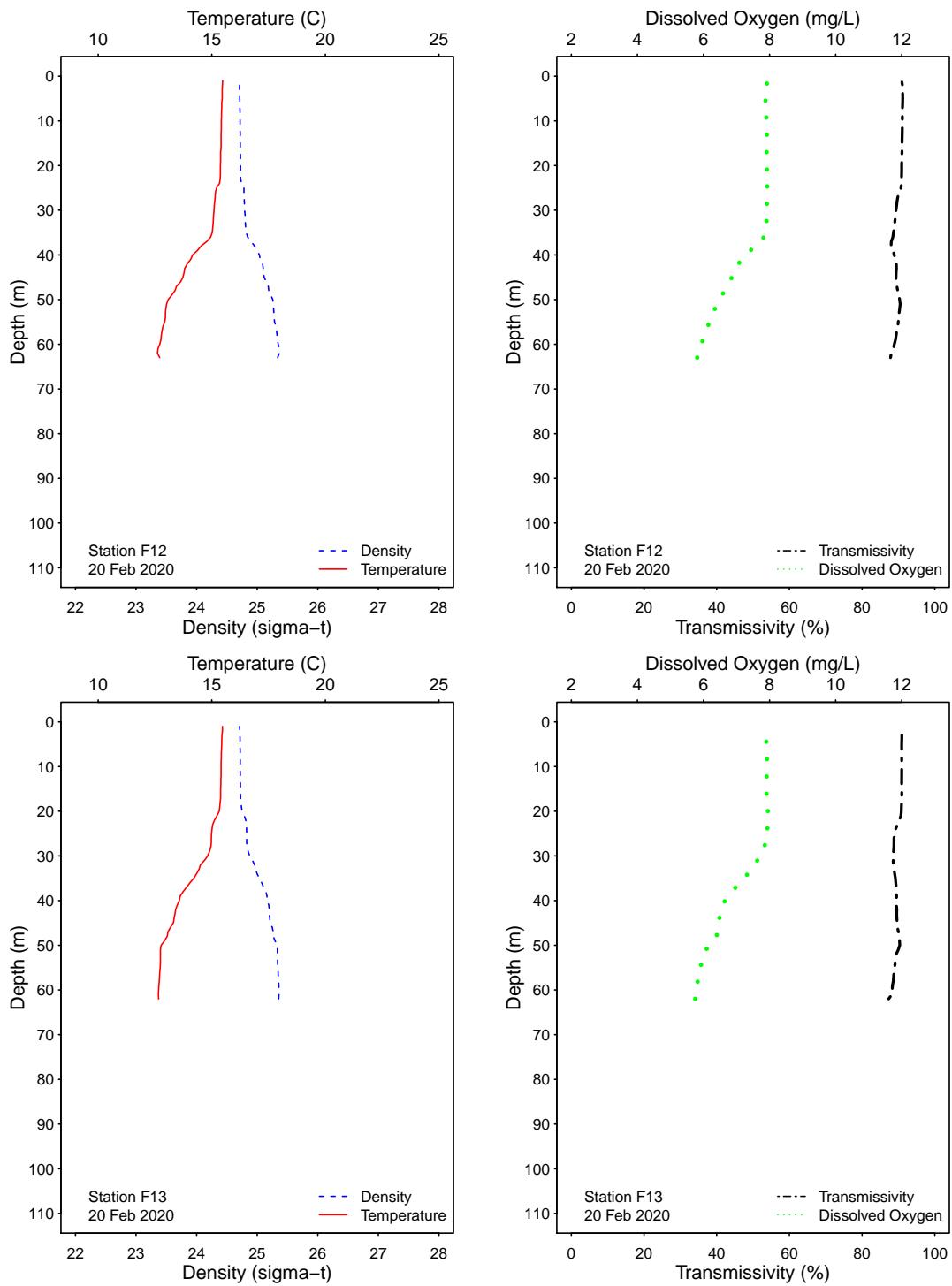


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

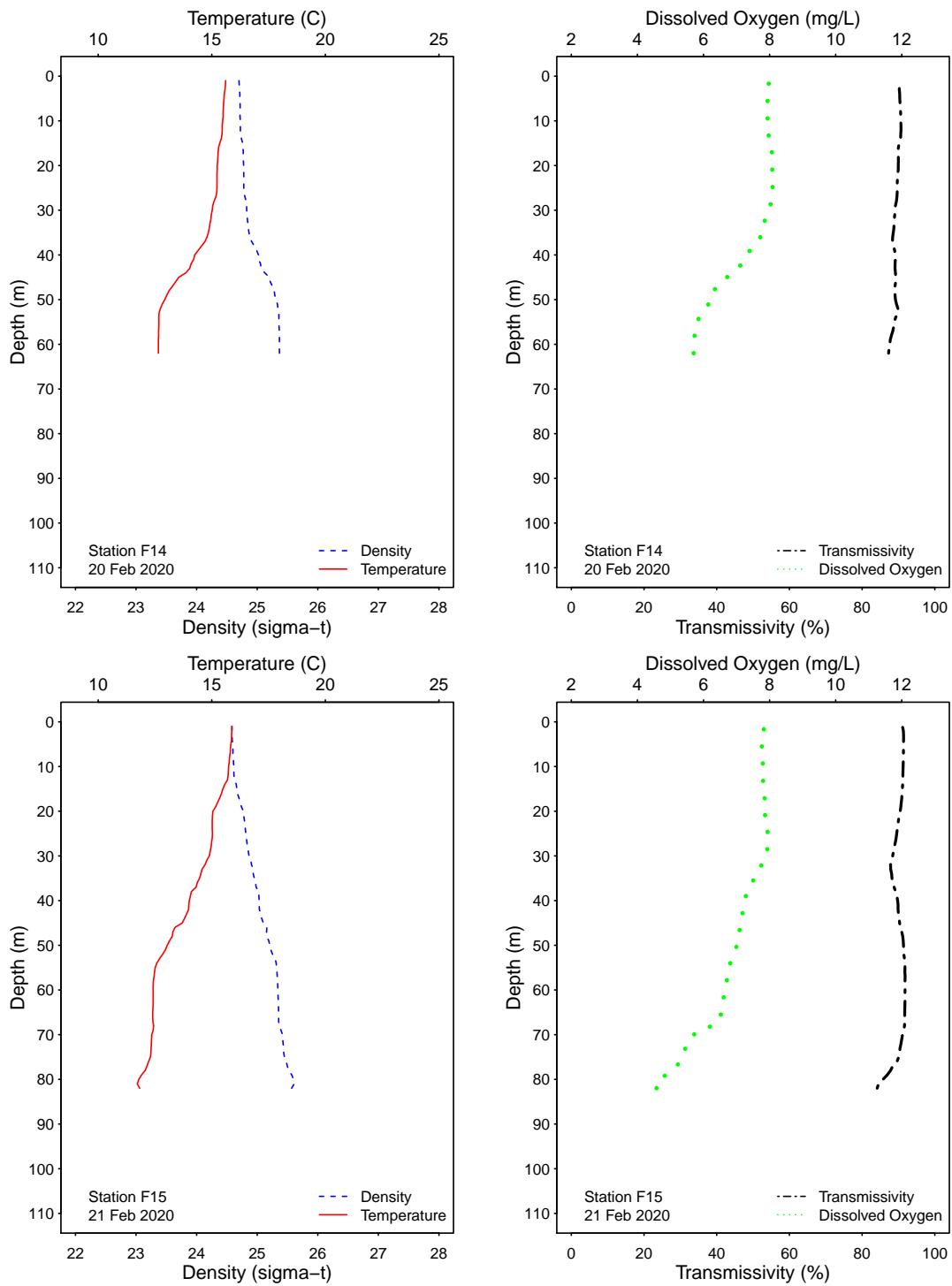


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

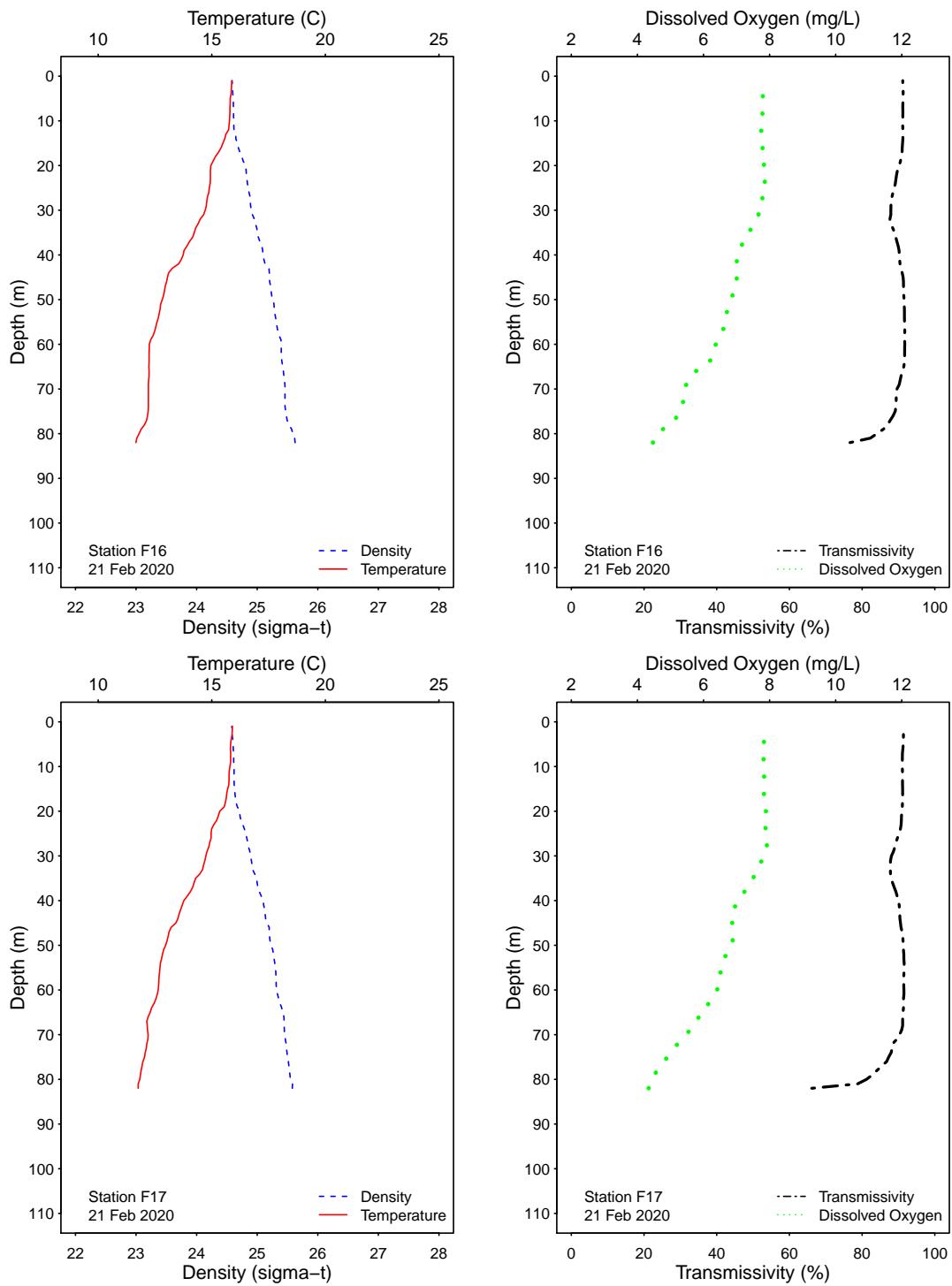


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

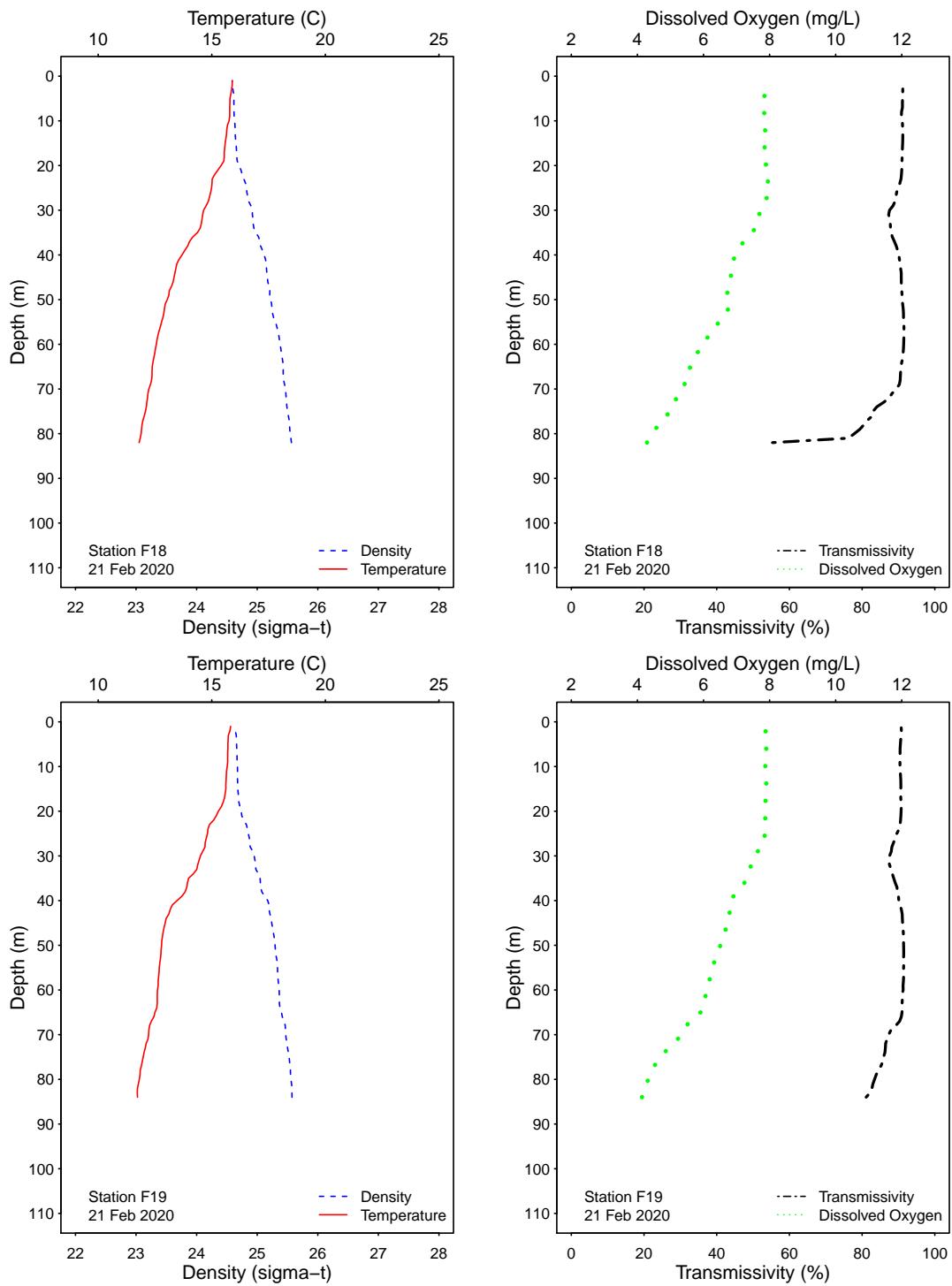


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

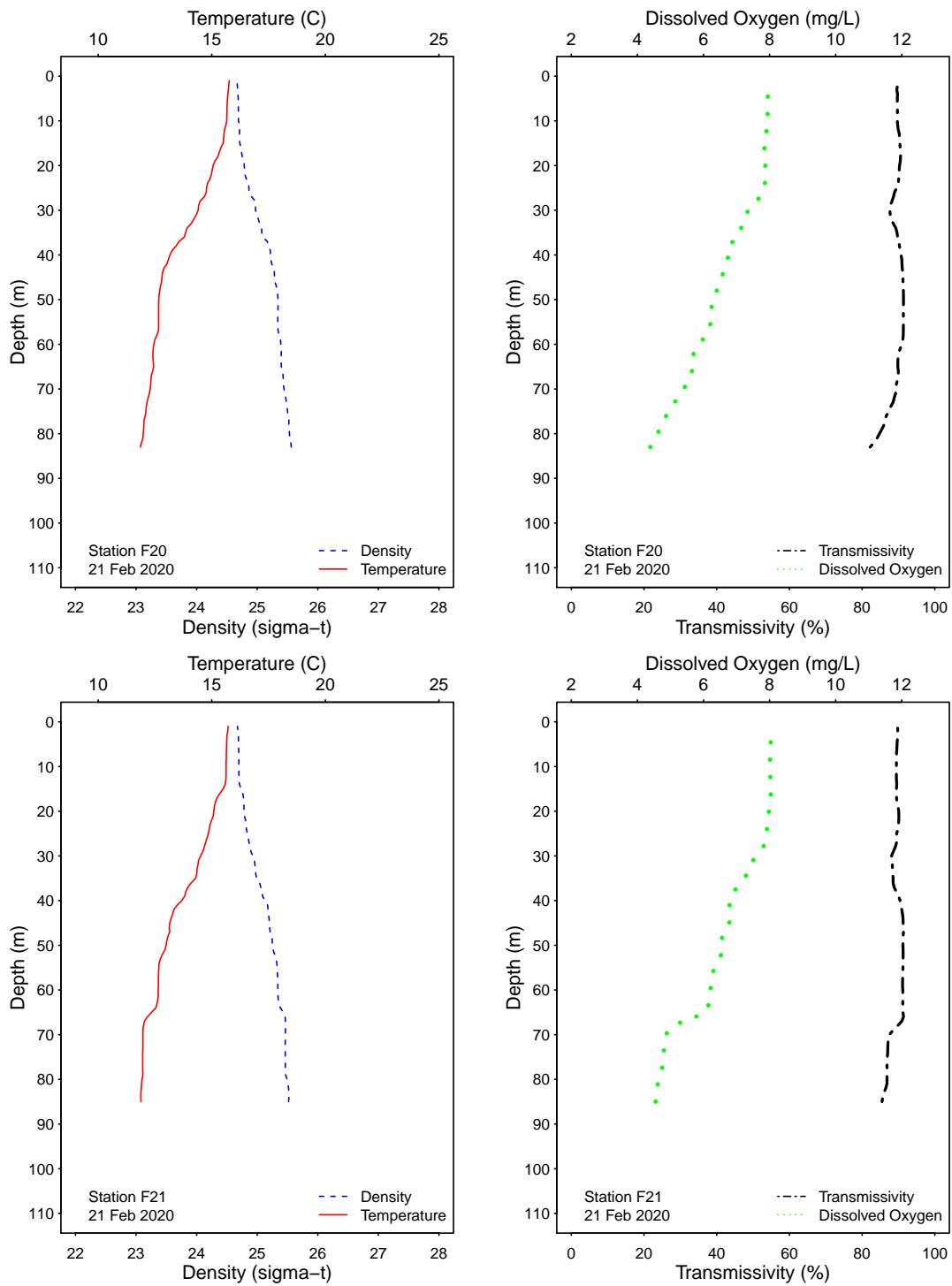


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

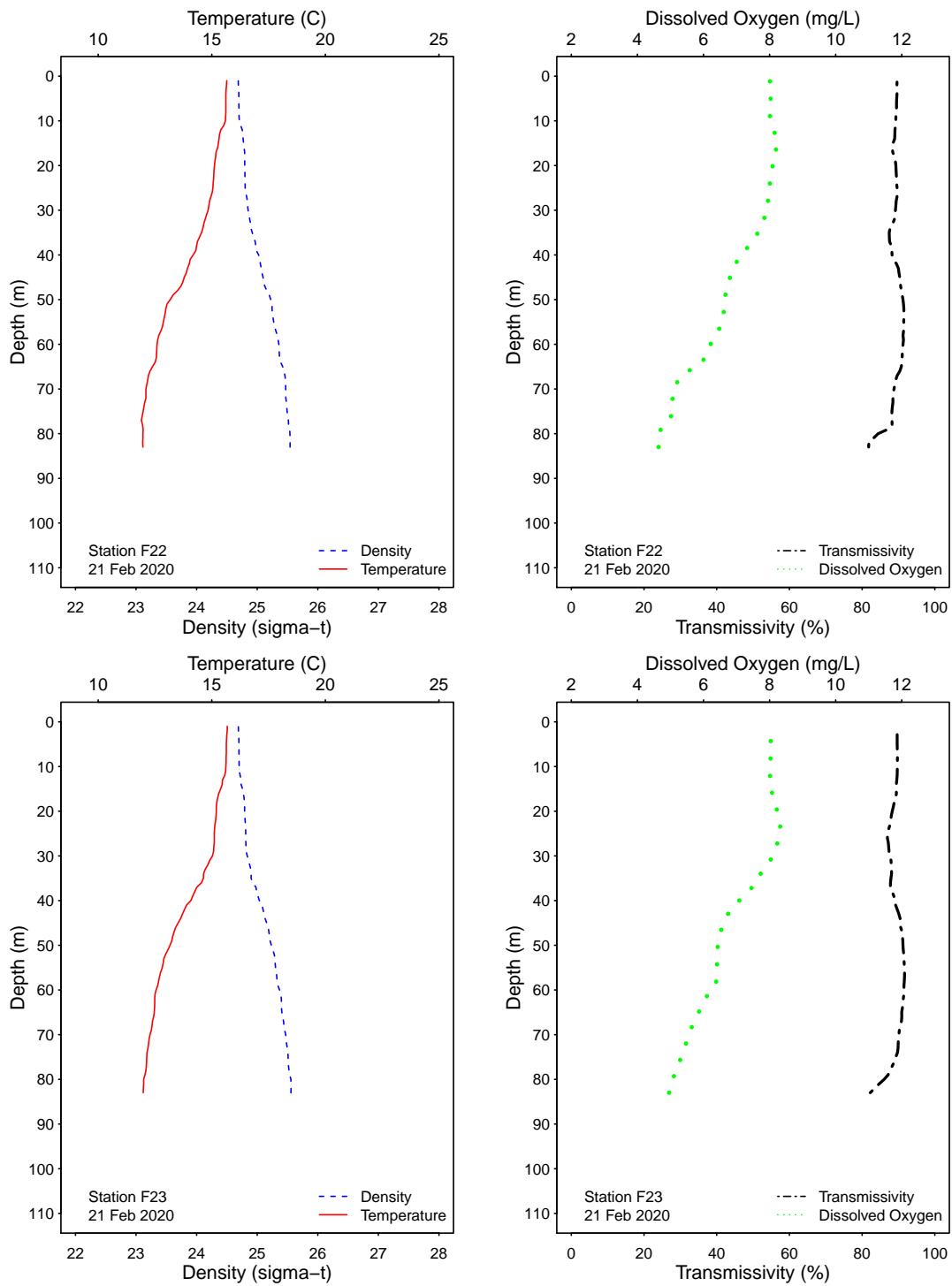


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

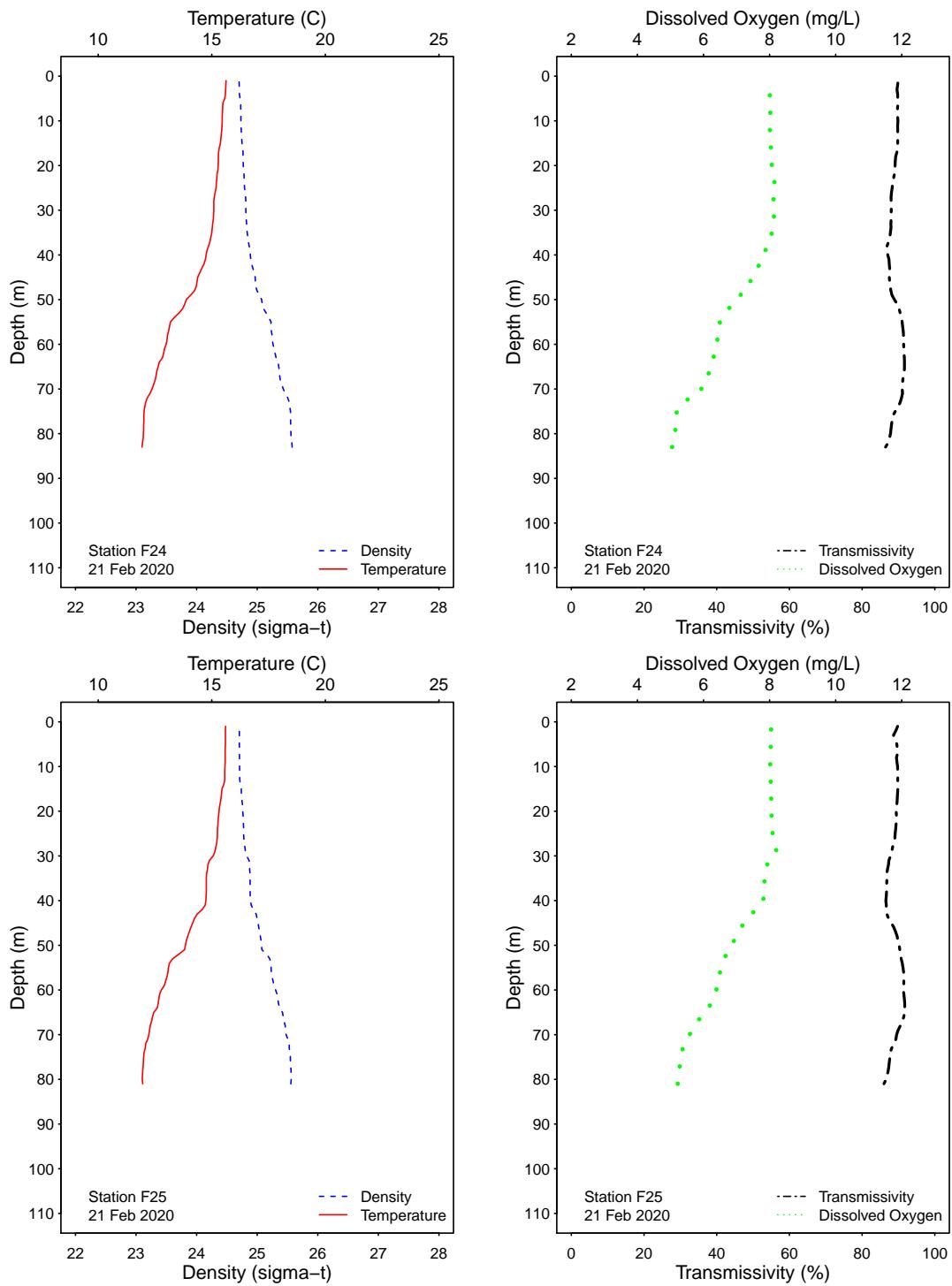


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A6	10 Feb 2020	18	AE	LAB DUPLICATE	4e	<2	2e
A7	05 Feb 2020	18	AE	LAB DUPLICATE	30e	6e	<2
A7	18 Feb 2020	18	AR	LAB DUPLICATE	4e	<2	<2
A7	25 Feb 2020	18	AR	LAB DUPLICATE	420	66	8e
C7	05 Feb 2020	18	BS	LAB DUPLICATE	18e	2e	<2
C7	10 Feb 2020	18	LMA	LAB DUPLICATE	4e	2e	2e
C7	18 Feb 2020	18	AR	LAB DUPLICATE	<2	<2	<2
C7	25 Feb 2020	18	AR	LAB DUPLICATE	2e	4e	<2
C8	05 Feb 2020	12	JF	LAB DUPLICATE	<2	<2	<2
C8	10 Feb 2020	12	BS	LAB DUPLICATE	<2	2e	<2
C8	18 Feb 2020	12	BS	LAB DUPLICATE	<2	<2	<2
C8	25 Feb 2020	12	AR	LAB DUPLICATE	<2	<2	<2
D12	05 Feb 2020		AE	FIELD DUPLICATE	<2	<2	<2
D12	05 Feb 2020		AE	LAB DUPLICATE	<2	<2	<2
D12	12 Feb 2020		AE	FIELD DUPLICATE	<2	<2	<2
D12	12 Feb 2020		AE	LAB DUPLICATE	<2	<2	<2
D12	19 Feb 2020		JF	FIELD DUPLICATE	2e	2e	<2
D12	19 Feb 2020		JF	LAB DUPLICATE	2e	4e	<2
D12	26 Feb 2020		AE	FIELD DUPLICATE	2e	<2	<2
D12	26 Feb 2020		AE	LAB DUPLICATE	4e	<2	<2
F01	20 Feb 2020	12	AE	LAB DUPLICATE	ns	ns	<2
F02	20 Feb 2020	12	AE	LAB DUPLICATE	ns	ns	<2
F07	20 Feb 2020	60	AE	LAB DUPLICATE	ns	ns	<2
F08	20 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	<2
F11	20 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	<2
F17	21 Feb 2020	80	AE	LAB DUPLICATE	ns	ns	8e
F18	21 Feb 2020	60	AE	LAB DUPLICATE	ns	ns	<2
F19	21 Feb 2020	60	AE	LAB DUPLICATE	ns	ns	6e
F20	21 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	30e
F21	21 Feb 2020	80	BS	LAB DUPLICATE	ns	ns	30e
F28	19 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	2e
F29	19 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	22e
F30	19 Feb 2020	60	BS	LAB DUPLICATE	ns	ns	600
F31	19 Feb 2020	80	AR	LAB DUPLICATE	ns	ns	280e
F32	19 Feb 2020	80	AR	LAB DUPLICATE	ns	ns	240e
F34	19 Feb 2020	60	AR	LAB DUPLICATE	ns	ns	2e

ns = not sampled

ND = no data

