



POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

**POINT LOMA
WASTEWATER TREATMENT PLANT**

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

NOVEMBER 2019

REVISED MARCH 2021

Environmental Monitoring and Technical Services
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Public Utilities Department

Environmental Monitoring & Technical Services Division

April 1, 2021

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the revised November 2019 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 revised report is being submitted to address data integrity issues identified to the Board in the letter dated October 22, 2020, subject: "San Diego NPDES Shoreline Sampling Program Report."

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,

A handwritten signature in blue ink, appearing to read "Peter S. Vroom".

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

PV/rk

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

INTRODUCTION

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

MATERIALS AND METHODS

Shore Stations

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

- Station D8 was replaced by alternate station D8-A during July 2016. 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 2019 Quality Assurance Report, which will be completed in March 2020.

SUMMARY OF RESULTS

Shore Stations

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled on November 6, 13, 20, and 25. Subsequent to initial reporting, the samples collected at stations D5, D9, D10, D11, and D12 on November 20 were determined to be problematic. The results from these samples have been removed from this report.
- During November, two of the eight shore stations were out of compliance with various water-contact standards specified in the Ocean Plan as follows:
 - o The single sample maximum (SSM) standard for *Enterococcus* was exceeded on November 13 and 20 at station D7, and on November 20 and 25 at station D8B.
 - o Per permit requirements, resamples were collected in response to these SSM exceedances (see Table 2.8 for details), and resamples did not exceed water-contact standards.
- 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>).
- Notable observations for November included a sewage-like odor on November 25 at station D5.

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

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on November 4, 12, 18, and 25.
- During November, one of seven stations was out of compliance with various Ocean Plan water contact standards as follows:
 - o The single sample maximum (SSM) standard for *Enterococcus* bacteria was exceeded on November 4 at station C7.
- Water column temperatures ranged from 14.64 to 18.08°C. The difference between surface and bottom waters ranged from 0.05 to 2.08°C.
- Chlorophyll *a* concentrations ranged from 0.45 to 3.76 µg/L.
- Nothing of sewage origin was observed at any of the kelp stations.

Offshore Stations

- Quarterly water quality sampling was conducted at the offshore stations on November 5, 6, and 7.
- During November, each of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) was in compliance with the relevant Ocean Plan single sample maximum standards for *Enterococcus*.
- All but four of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
 - o Exceptions included stations F21, F34, F35, and F36, which exceeded the single sample maximum for *Enterococcus* at one or more depths on November 5 or 7.
- During November, water column temperatures ranged from 11.59 to 19.09°C. The difference between surface and bottom waters ranged from 1.24 to 7.32°C.
- Chlorophyll *a* concentrations ranged from 0.23 to 3.55 µg/L.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES



Figure 1.1 Station Map

Shore Stations

Table 2.1

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2019	42	31	328	117	29	32	26	6
02 Nov 2019	42	31	328	117	29	32	26	6
03 Nov 2019	42	31	328	117	29	32	26	6
04 Nov 2019	42	31	328	117	29	32	26	6
05 Nov 2019	42	31	328	117	29	32	26	6
06 Nov 2019	36	22	297	75	21	28	18	5
07 Nov 2019	36	22	297	75	21	28	18	5
08 Nov 2019	24	23	328	54	22	20	18	4
09 Nov 2019	24	23	328	54	22	20	18	4
10 Nov 2019	24	23	328	54	22	20	18	4
11 Nov 2019	24	23	328	54	22	20	18	4
12 Nov 2019	24	23	328	54	22	20	18	4
13 Nov 2019	23	44	470	89	24	26	21	3
14 Nov 2019	23	44	470	89	24	26	21	3
15 Nov 2019	20	46	346	54	30	29	16	4
16 Nov 2019	20	46	288	54	30	29	16	4
17 Nov 2019	20	46	288	54	30	29	16	4
18 Nov 2019	20	46	288	54	30	29	16	4
19 Nov 2019	20	46	288	54	30	29	16	4
20 Nov 2019	20	46	313	75	30	29	16	4
21 Nov 2019	20	46	313	75	30	29	16	4
22 Nov 2019	36	90	543	117	36	35	15	4
23 Nov 2019	36	90	543	117	36	35	15	4
24 Nov 2019	36	90	543	117	36	35	15	4
25 Nov 2019	32	62	543	134	47	52	21	6
26 Nov 2019	32	62	283	134	47	52	21	6
27 Nov 2019	32	62	283	134	47	52	21	6
28 Nov 2019	32	62	283	134	47	52	21	6
29 Nov 2019	20	42	283	134	29	52	21	4
30 Nov 2019	20	42	283	134	29	52	21	4

* Geometric mean calculated using n<5

ns = not sampled

Table 2.2

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2019	3	4	31	3	2	3	3	2
02 Nov 2019	3	4	31	3	2	3	3	2
03 Nov 2019	3	4	31	3	2	3	3	2
04 Nov 2019	3	4	31	3	2	3	3	2
05 Nov 2019	3	4	31	3	2	3	3	2
06 Nov 2019	3	3	45	2	2	4	3	2
07 Nov 2019	3	3	45	2	2	4	3	2
08 Nov 2019	3	2	74	3	2	5	3	2
09 Nov 2019	3	2	74	3	2	5	3	2
10 Nov 2019	3	2	74	3	2	5	3	2
11 Nov 2019	3	2	74	3	2	5	3	2
12 Nov 2019	3	2	74	3	2	5	3	2
13 Nov 2019	3	5	76	4	3	5	4	2
14 Nov 2019	3	5	76	4	3	5	4	2
15 Nov 2019	3	6	45	5	3	5	4	2
16 Nov 2019	3	6	50	5	3	5	4	2
17 Nov 2019	3	6	50	5	3	5	4	2
18 Nov 2019	3	6	50	5	3	5	4	2
19 Nov 2019	3	6	50	5	3	5	4	2
20 Nov 2019	4	6	77	12	3	5	4	2
21 Nov 2019	4	6	77	12	3	5	4	2
22 Nov 2019	5	10	165	17	3	8	6	2
23 Nov 2019	5	10	165	17	3	8	6	2
24 Nov 2019	5	10	165	17	3	8	6	2
25 Nov 2019	4	12	165	19	6	14	9	3
26 Nov 2019	4	12	55	19	6	14	9	3
27 Nov 2019	4	12	55	19	6	14	9	3
28 Nov 2019	4	12	55	19	6	14	9	3
29 Nov 2019	4	21	55	19	8	14	10	4
30 Nov 2019	4	21	55	19	8	14	10	4

* Geometric mean calculated using n<5

ns = not sampled

Table 2.3

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Nov 2019	5	5	30	4	3	4	2	3
02 Nov 2019	5	5	30	4	3	4	2	3
03 Nov 2019	5	5	30	4	3	4	2	3
04 Nov 2019	5	5	30	4	3	4	2	3
05 Nov 2019	5	5	30	4	3	4	2	3
06 Nov 2019	5	4	17	3	3	4	2	3
07 Nov 2019	5	4	17	3	3	4	2	3
08 Nov 2019	6	5	23	4	2	4	2	3
09 Nov 2019	6	5	23	4	2	4	2	3
10 Nov 2019	6	5	23	4	2	4	2	3
11 Nov 2019	6	5	23	4	2	4	2	3
12 Nov 2019	6	5	23	4	2	4	2	3
13 Nov 2019	5	8	46	3	3	4	4	3
14 Nov 2019	5	8	27	3	3	4	4	3
15 Nov 2019	4	9	13	2	3	3	4	3
16 Nov 2019	4	9	12	2	3	3	4	3
17 Nov 2019	4	9	12	2	3	3	4	3
18 Nov 2019	4	9	12	2	3	3	4	3
19 Nov 2019	4	9	12	2	3	3	4	3
20 Nov 2019	4	9	21	6	3	3	4	3
21 Nov 2019	4	9	19	11	3	3	4	3
22 Nov 2019	5	11	24	17	3	2	6	3
23 Nov 2019	5	11	24	17	3	2	6	3
24 Nov 2019	5	11	24	17	3	2	6	3
25 Nov 2019	4	11	24	26	5	5	10	4
26 Nov 2019	4	11	20	27	5	5	10	4
27 Nov 2019	4	11	20	27	5	5	10	4
28 Nov 2019	4	11	20	27	5	5	10	4
29 Nov 2019	4	11	20	27	6	5	14	3
30 Nov 2019	4	11	20	27	6	5	14	3

* Geometric mean calculated using n<5

ns = not sampled

Table 2.4

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
06 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2019	IC	ns	IC	IC	ns	ns	ns	ns
25 Nov 2019	IC	IC	ns	IC	IC	IC	IC	IC
26 Nov 2019	ns	ns	IC	ns	ns	ns	ns	ns

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
06 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2019	IC	ns	IC	IC	ns	ns	ns	ns
25 Nov 2019	IC	IC	ns	IC	IC	IC	IC	IC
26 Nov 2019	ns	ns	IC	ns	ns	ns	ns	ns

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
06 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2019	IC	IC	E	IC	IC	IC	IC	IC
14 Nov 2019	ns	ns	IC	ns	ns	ns	ns	ns
20 Nov 2019	IC	ns	E	E	ns	ns	ns	ns
21 Nov 2019	ns	ns	IC	IC	ns	ns	ns	ns
25 Nov 2019	IC	IC	ns	E	IC	IC	IC	IC
26 Nov 2019	ns	ns	IC	IC	ns	ns	ns	ns

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
06 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2019	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2019	IC	ns	IC	IC	ns	ns	ns	ns
25 Nov 2019	IC	IC	ns	IC	IC	IC	IC	IC
26 Nov 2019	ns	ns	IC	ns	ns	ns	ns	ns

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	06 Nov 2019	808	<20	4e	8e	0.20
D4	13 Nov 2019	805	<20	4e	<2	0.20
D4	20 Nov 2019	759	20e	10e	6e	0.50
D4	25 Nov 2019	801	20e	<2	2e	0.10
D5	06 Nov 2019	744	6e	2e	<2	0.33
D5	13 Nov 2019	755	600e	220e	60e	0.37
D5	20 Nov 2019		ns	ns	ns	ns
D5	25 Nov 2019	743	20e	22e	12e	1.10
D7	06 Nov 2019	835	<200	<200	2e	1.00
D7	13 Nov 2019	834	2000e	80e	760	0.04
D7	14 Nov 2019	1402	ns	ns	<2	ns
D7	20 Nov 2019	825	400e	280e	200e	0.70
D7	21 Nov 2019	912	ns	ns	12e	ns
D7	25 Nov 2019	822	ns	ns	ns	ns
D7	26 Nov 2019	1310	40e	2e	8e	0.05
D8-B	06 Nov 2019	852	<20	<2	<2	0.10
D8-B	13 Nov 2019	854	400e	12e	2e	0.03
D8-B	20 Nov 2019	851	200e	220e	200e	1.10
D8-B	21 Nov 2019	900	ns	ns	100e	ns
D8-B	25 Nov 2019	843	<200	26e	140e	0.13
D8-B	26 Nov 2019	1255	ns	ns	36e	ns
D9	06 Nov 2019	909	6e	<2	<2	0.33
D9	13 Nov 2019	907	40e	8e	4e	0.20
D9	20 Nov 2019		ns	ns	ns	ns
D9	25 Nov 2019	855	100e	30e	22e	0.30
D10	06 Nov 2019	933	20e	8e	<2	0.40
D10	13 Nov 2019	922	60e	8e	2e	0.13
D10	20 Nov 2019		ns	ns	ns	ns
D10	25 Nov 2019	909	120e	42	34e	0.35
D11	06 Nov 2019	948	4e	<2	<2	0.50
D11	13 Nov 2019	936	40e	12e	24e	0.30
D11	20 Nov 2019		ns	ns	ns	ns
D11	25 Nov 2019	922	60e	36e	52	0.60
D12	06 Nov 2019	1022	2e	<2	2e	1.00
D12	13 Nov 2019	1025	2e	<2	<2	1.00
D12	20 Nov 2019		ns	ns	ns	ns
D12	25 Nov 2019	945	20e	16e	10e	0.80

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
D7	14 Nov 2019			Resample
D8-B	21 Nov 2019			Resample
D7	21 Nov 2019			Resample
D7	25 Nov 2019			No sample due to high surf; This site will be sampled on 20191126
D8-B	26 Nov 2019			Resample

Table 2.9

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

Station	Date	Parameter	Value
D4	06 Nov 2019	Arrive Time	808
D4	06 Nov 2019	Weather	Partly Cloudy
D4	06 Nov 2019	Wind Speed (kts)	2.5
D4	06 Nov 2019	Wind Dir	N
D4	06 Nov 2019	Animal Life	2 Cormorants; 1 Grebe
D4	06 Nov 2019	Floatables	Foam
D4	06 Nov 2019	Water Color	Green
D4	06 Nov 2019	Current Direction	N
D4	06 Nov 2019	Water Temp (C)	19
D4	06 Nov 2019	Wave Height Low (ft)	2
D4	06 Nov 2019	High Tide (ft)	4.5
D4	06 Nov 2019	High Tide Time	553
D4	06 Nov 2019	Low Tide (ft)	2.1
D4	06 Nov 2019	Low Tide Time	1149
D4	06 Nov 2019	Comments	Algae; 1 Surfer; 1 Boat; Water clear; Jet ski
D4	13 Nov 2019	Arrive Time	805
D4	13 Nov 2019	Weather	Partly Cloudy
D4	13 Nov 2019	Wind Speed (kts)	3.1
D4	13 Nov 2019	Wind Dir	N
D4	13 Nov 2019	Animal Life	None
D4	13 Nov 2019	Floatables	Foam
D4	13 Nov 2019	Water Color	Green
D4	13 Nov 2019	Current Direction	N
D4	13 Nov 2019	Water Temp (C)	19.5
D4	13 Nov 2019	Wave Height Low (ft)	3
D4	13 Nov 2019	High Tide (ft)	6
D4	13 Nov 2019	High Tide Time	835
D4	13 Nov 2019	Low Tide (ft)	1.6
D4	13 Nov 2019	Low Tide Time	228
D4	13 Nov 2019	Comments	Water clear
D4	20 Nov 2019	Arrive Time	759
D4	20 Nov 2019	Weather	Moderate Rain
D4	20 Nov 2019	Wind Speed (kts)	12.4
D4	20 Nov 2019	Wind Dir	W
D4	20 Nov 2019	Animal Life	None
D4	20 Nov 2019	Floatables	None
D4	20 Nov 2019	Water Color	Green
D4	20 Nov 2019	Current Direction	N
D4	20 Nov 2019	Water Temp (C)	16.9
D4	20 Nov 2019	Wave Height Low (ft)	3
D4	20 Nov 2019	High Tide (ft)	4.3
D4	20 Nov 2019	High Tide Time	428
D4	20 Nov 2019	Low Tide (ft)	2.5
D4	20 Nov 2019	Low Tide Time	1002
D4	20 Nov 2019	Comments	Kelp; Seagrass; Algae; Water clear
D4	25 Nov 2019	Arrive Time	801
D4	25 Nov 2019	Weather	Partly Cloudy
D4	25 Nov 2019	Wind Speed (kts)	5.8
D4	25 Nov 2019	Wind Dir	NW
D4	25 Nov 2019	Animal Life	None
D4	25 Nov 2019	Floatables	Foam
D4	25 Nov 2019	Water Color	Green
D4	25 Nov 2019	Current Direction	N

Station	Date	Parameter	Value
D4	25 Nov 2019	Water Temp (C)	16.8
D4	25 Nov 2019	Wave Height Low (ft)	4
D4	25 Nov 2019	High Tide (ft)	6.6
D4	25 Nov 2019	High Tide Time	727
D4	25 Nov 2019	Low Tide (ft)	-0.9
D4	25 Nov 2019	Low Tide Time	1423
D4	25 Nov 2019	Comments	Kelp; Seagrass; Algae; 2 Surfers; 4 Boats; Water clear
D5	06 Nov 2019	Arrive Time	744
D5	06 Nov 2019	Weather	Partly Cloudy
D5	06 Nov 2019	Wind Speed (kts)	0.7
D5	06 Nov 2019	Wind Dir	SW
D5	06 Nov 2019	Animal Life	None
D5	06 Nov 2019	Floatables	Foam
D5	06 Nov 2019	Water Color	Green
D5	06 Nov 2019	Current Direction	S
D5	06 Nov 2019	Water Temp (C)	19.7
D5	06 Nov 2019	Wave Height Low (ft)	1
D5	06 Nov 2019	High Tide (ft)	4.5
D5	06 Nov 2019	High Tide Time	553
D5	06 Nov 2019	Low Tide (ft)	2.1
D5	06 Nov 2019	Low Tide Time	1149
D5	06 Nov 2019	Comments	Kelp; Algae; Water clear
D5	13 Nov 2019	Arrive Time	755
D5	13 Nov 2019	Weather	Partly Cloudy
D5	13 Nov 2019	Wind Speed (kts)	3.3
D5	13 Nov 2019	Wind Dir	N
D5	13 Nov 2019	Animal Life	1 Pelican
D5	13 Nov 2019	Floatables	Foam
D5	13 Nov 2019	Water Color	Green
D5	13 Nov 2019	Current Direction	S
D5	13 Nov 2019	Water Temp (C)	19.2
D5	13 Nov 2019	Wave Height Low (ft)	3
D5	13 Nov 2019	High Tide (ft)	6
D5	13 Nov 2019	High Tide Time	835
D5	13 Nov 2019	Low Tide (ft)	1.6
D5	13 Nov 2019	Low Tide Time	228
D5	13 Nov 2019	Comments	Kelp; Water turbid
D5	25 Nov 2019	Arrive Time	743
D5	25 Nov 2019	Weather	Partly Cloudy
D5	25 Nov 2019	Wind Speed (kts)	2.9
D5	25 Nov 2019	Wind Dir	E
D5	25 Nov 2019	Animal Life	20 Cormorants; 1 Seagull
D5	25 Nov 2019	Floatables	Foam; Film
D5	25 Nov 2019	Water Color	Green
D5	25 Nov 2019	Current Direction	N
D5	25 Nov 2019	Water Temp (C)	17.3
D5	25 Nov 2019	Wave Height Low (ft)	4
D5	25 Nov 2019	High Tide (ft)	6.6
D5	25 Nov 2019	High Tide Time	727
D5	25 Nov 2019	Low Tide (ft)	0.9
D5	25 Nov 2019	Low Tide Time	115
D5	25 Nov 2019	Comments	Kelp; Seagrass; Algae; Sewage-like odor; Water clear
D7	06 Nov 2019	Arrive Time	835
D7	06 Nov 2019	Weather	Partly Cloudy
D7	06 Nov 2019	Wind Speed (kts)	3.4
D7	06 Nov 2019	Wind Dir	S
D7	06 Nov 2019	Animal Life	None

Station	Date	Parameter	Value
D7	06 Nov 2019	Floating	Foam
D7	06 Nov 2019	Water Color	Green
D7	06 Nov 2019	Current Direction	SE
D7	06 Nov 2019	Water Temp (C)	19.5
D7	06 Nov 2019	Wave Height Low (ft)	1
D7	06 Nov 2019	High Tide (ft)	4.5
D7	06 Nov 2019	High Tide Time	553
D7	06 Nov 2019	Low Tide (ft)	2.1
D7	06 Nov 2019	Low Tide Time	1149
D7	06 Nov 2019	Comments	Kelp; 3 Surfers; Water clear
D7	13 Nov 2019	Arrive Time	834
D7	13 Nov 2019	Weather	Hazy
D7	13 Nov 2019	Wind Speed (kts)	2.7
D7	13 Nov 2019	Wind Dir	W
D7	13 Nov 2019	Animal Life	None
D7	13 Nov 2019	Floating	Foam
D7	13 Nov 2019	Water Color	Green
D7	13 Nov 2019	Current Direction	S
D7	13 Nov 2019	Water Temp (C)	19.2
D7	13 Nov 2019	Wave Height Low (ft)	4
D7	13 Nov 2019	High Tide (ft)	6
D7	13 Nov 2019	High Tide Time	835
D7	13 Nov 2019	Low Tide (ft)	1.6
D7	13 Nov 2019	Low Tide Time	228
D7	13 Nov 2019	Comments	Kelp; Seagrass; 2 Persons; 1 Surfer
D7	14 Nov 2019	Arrive Time	1402
D7	14 Nov 2019	Weather	Sunny
D7	14 Nov 2019	Wind Speed (kts)	5.8
D7	14 Nov 2019	Wind Dir	E
D7	14 Nov 2019	Animal Life	2 Seagulls
D7	14 Nov 2019	Floating	Foam
D7	14 Nov 2019	Water Color	Green
D7	14 Nov 2019	Current Direction	S
D7	14 Nov 2019	Water Temp (C)	20.7
D7	14 Nov 2019	Wave Height Low (ft)	2
D7	14 Nov 2019	High Tide (ft)	5.9
D7	14 Nov 2019	High Tide Time	904
D7	14 Nov 2019	Low Tide (ft)	-0.3
D7	14 Nov 2019	Low Tide Time	1620
D7	14 Nov 2019	Comments	Resample; Kelp; Seagrass; Algae; 2 Persons; 4 Surfers; Water clear
D7	20 Nov 2019	Arrive Time	825
D7	20 Nov 2019	Weather	Drizzle
D7	20 Nov 2019	Wind Speed (kts)	10.3
D7	20 Nov 2019	Wind Dir	W
D7	20 Nov 2019	Animal Life	None
D7	20 Nov 2019	Floating	None
D7	20 Nov 2019	Water Color	Green
D7	20 Nov 2019	Current Direction	N
D7	20 Nov 2019	Water Temp (C)	16.8
D7	20 Nov 2019	Wave Height Low (ft)	4
D7	20 Nov 2019	High Tide (ft)	4.3
D7	20 Nov 2019	High Tide Time	428
D7	20 Nov 2019	Low Tide (ft)	2.5
D7	20 Nov 2019	Low Tide Time	1002
D7	20 Nov 2019	Comments	Kelp; Seagrass; Algae; Water clear
D7	21 Nov 2019	Arrive Time	912

Station	Date	Parameter	Value
D7	21 Nov 2019	Weather	Partly Cloudy
D7	21 Nov 2019	Wind Speed (kts)	3.2
D7	21 Nov 2019	Wind Dir	W
D7	21 Nov 2019	Animal Life	None
D7	21 Nov 2019	Floatables	None
D7	21 Nov 2019	Water Color	Green
D7	21 Nov 2019	Current Direction	N
D7	21 Nov 2019	Water Temp (C)	17.9
D7	21 Nov 2019	Wave Height Low (ft)	4
D7	21 Nov 2019	High Tide (ft)	4.8
D7	21 Nov 2019	High Tide Time	506
D7	21 Nov 2019	Low Tide (ft)	1.7
D7	21 Nov 2019	Low Tide Time	1111
D7	21 Nov 2019	Comments	Resample; Kelp; Seagrass; Algae; 1 Person; 2 Surfers; Water clear
D7	25 Nov 2019	Arrive Time	822
D7	25 Nov 2019	Weather	Partly Cloudy
D7	25 Nov 2019	Wind Speed (kts)	3.6
D7	25 Nov 2019	Wind Dir	NE
D7	25 Nov 2019	Animal Life	None
D7	25 Nov 2019	Floatables	Foam
D7	25 Nov 2019	Water Color	Green
D7	25 Nov 2019	Current Direction	N
D7	25 Nov 2019	Water Temp (C)	0
D7	25 Nov 2019	Wave Height Low (ft)	10
D7	25 Nov 2019	High Tide (ft)	6.6
D7	25 Nov 2019	High Tide Time	727
D7	25 Nov 2019	Low Tide (ft)	-0.9
D7	25 Nov 2019	Low Tide Time	1423
D7	25 Nov 2019	Comments	Kelp; Seagrass; Algae; 1 Boat; Water clear; Sample not collected due to high surf and unstable conditions
D7	26 Nov 2019	Arrive Time	1310
D7	26 Nov 2019	Weather	Sunny
D7	26 Nov 2019	Wind Speed (kts)	6.8
D7	26 Nov 2019	Wind Dir	W
D7	26 Nov 2019	Animal Life	1 Pigeon
D7	26 Nov 2019	Floatables	None
D7	26 Nov 2019	Water Color	Green
D7	26 Nov 2019	Current Direction	S
D7	26 Nov 2019	Water Temp (C)	18.5
D7	26 Nov 2019	Wave Height Low (ft)	3
D7	26 Nov 2019	High Tide (ft)	6.6
D7	26 Nov 2019	High Tide Time	802
D7	26 Nov 2019	Low Tide (ft)	-1.1
D7	26 Nov 2019	Low Tide Time	1507
D7	26 Nov 2019	Comments	Make-up sample for 11/25; Kelp; Seagrass; Algae; 11 Persons; 31 Surfers; Water clear
D8-B	06 Nov 2019	Arrive Time	852
D8-B	06 Nov 2019	Weather	Partly Cloudy
D8-B	06 Nov 2019	Wind Speed (kts)	2.5
D8-B	06 Nov 2019	Wind Dir	NE
D8-B	06 Nov 2019	Animal Life	1 Cormorant
D8-B	06 Nov 2019	Floatables	Foam
D8-B	06 Nov 2019	Water Color	Green
D8-B	06 Nov 2019	Current Direction	N
D8-B	06 Nov 2019	Water Temp (C)	19.6
D8-B	06 Nov 2019	Wave Height Low (ft)	3
D8-B	06 Nov 2019	High Tide (ft)	4.5

Station	Date	Parameter	Value
D8-B	06 Nov 2019	High Tide Time	553
D8-B	06 Nov 2019	Low Tide (ft)	2.1
D8-B	06 Nov 2019	Low Tide Time	1149
D8-B	06 Nov 2019	Comments	Kelp; Water clear
D8-B	13 Nov 2019	Arrive Time	854
D8-B	13 Nov 2019	Weather	Partly Cloudy
D8-B	13 Nov 2019	Wind Speed (kts)	5.8
D8-B	13 Nov 2019	Wind Dir	SW
D8-B	13 Nov 2019	Animal Life	None
D8-B	13 Nov 2019	Floatables	Foam
D8-B	13 Nov 2019	Water Color	Green
D8-B	13 Nov 2019	Current Direction	S
D8-B	13 Nov 2019	Water Temp (C)	19.5
D8-B	13 Nov 2019	Wave Height Low (ft)	4
D8-B	13 Nov 2019	High Tide (ft)	6
D8-B	13 Nov 2019	High Tide Time	835
D8-B	13 Nov 2019	Low Tide (ft)	1.6
D8-B	13 Nov 2019	Low Tide Time	228
D8-B	13 Nov 2019	Comments	Kelp; Seagrass; Algae; Water turbid
D8-B	20 Nov 2019	Arrive Time	851
D8-B	20 Nov 2019	Weather	Drizzle
D8-B	20 Nov 2019	Wind Speed (kts)	11.3
D8-B	20 Nov 2019	Wind Dir	W
D8-B	20 Nov 2019	Animal Life	None
D8-B	20 Nov 2019	Floatables	None
D8-B	20 Nov 2019	Water Color	Green
D8-B	20 Nov 2019	Current Direction	N
D8-B	20 Nov 2019	Water Temp (C)	17.5
D8-B	20 Nov 2019	Wave Height Low (ft)	4
D8-B	20 Nov 2019	High Tide (ft)	4.3
D8-B	20 Nov 2019	High Tide Time	428
D8-B	20 Nov 2019	Low Tide (ft)	2.5
D8-B	20 Nov 2019	Low Tide Time	1002
D8-B	20 Nov 2019	Comments	Kelp; Seagrass; Algae; Water clear
D8-B	21 Nov 2019	Arrive Time	900
D8-B	21 Nov 2019	Weather	Partly Cloudy
D8-B	21 Nov 2019	Wind Speed (kts)	1.9
D8-B	21 Nov 2019	Wind Dir	W
D8-B	21 Nov 2019	Animal Life	None
D8-B	21 Nov 2019	Floatables	None
D8-B	21 Nov 2019	Water Color	Green
D8-B	21 Nov 2019	Current Direction	N
D8-B	21 Nov 2019	Water Temp (C)	18.4
D8-B	21 Nov 2019	Wave Height Low (ft)	3
D8-B	21 Nov 2019	High Tide (ft)	4.8
D8-B	21 Nov 2019	High Tide Time	506
D8-B	21 Nov 2019	Low Tide (ft)	1.7
D8-B	21 Nov 2019	Low Tide Time	1111
D8-B	21 Nov 2019	Comments	Resample; Kelp; Seagrass; Algae; Water clear
D8-B	25 Nov 2019	Arrive Time	843
D8-B	25 Nov 2019	Weather	Partly Cloudy
D8-B	25 Nov 2019	Wind Speed (kts)	1.7
D8-B	25 Nov 2019	Wind Dir	NW
D8-B	25 Nov 2019	Animal Life	None
D8-B	25 Nov 2019	Floatables	Foam
D8-B	25 Nov 2019	Water Color	Green
D8-B	25 Nov 2019	Current Direction	N

Station	Date	Parameter	Value
D8-B	25 Nov 2019	Water Temp (C)	17.2
D8-B	25 Nov 2019	Wave Height Low (ft)	5
D8-B	25 Nov 2019	High Tide (ft)	6.6
D8-B	25 Nov 2019	High Tide Time	727
D8-B	25 Nov 2019	Low Tide (ft)	-0.9
D8-B	25 Nov 2019	Low Tide Time	1423
D8-B	25 Nov 2019	Comments	Kelp; Seagrass; Algae; 2 Boats; Water clear
D8-B	26 Nov 2019	Arrive Time	1255
D8-B	26 Nov 2019	Weather	Sunny
D8-B	26 Nov 2019	Wind Speed (kts)	3.6
D8-B	26 Nov 2019	Wind Dir	W
D8-B	26 Nov 2019	Animal Life	None
D8-B	26 Nov 2019	Floatables	None
D8-B	26 Nov 2019	Water Color	Green
D8-B	26 Nov 2019	Current Direction	S
D8-B	26 Nov 2019	Water Temp (C)	18.3
D8-B	26 Nov 2019	Wave Height Low (ft)	2
D8-B	26 Nov 2019	High Tide (ft)	6.6
D8-B	26 Nov 2019	High Tide Time	802
D8-B	26 Nov 2019	Low Tide (ft)	-1.1
D8-B	26 Nov 2019	Low Tide Time	1507
D8-B	26 Nov 2019	Comments	Resample; Kelp; Seagrass; Algae; 3 Persons; 1 Surfer; Water clear
D9	06 Nov 2019	Arrive Time	909
D9	06 Nov 2019	Weather	Partly Cloudy
D9	06 Nov 2019	Wind Speed (kts)	3.5
D9	06 Nov 2019	Wind Dir	NE
D9	06 Nov 2019	Animal Life	1 Seagull
D9	06 Nov 2019	Floatables	None
D9	06 Nov 2019	Water Color	Green
D9	06 Nov 2019	Current Direction	N
D9	06 Nov 2019	Water Temp (C)	20
D9	06 Nov 2019	Wave Height Low (ft)	3
D9	06 Nov 2019	High Tide (ft)	4.5
D9	06 Nov 2019	High Tide Time	553
D9	06 Nov 2019	Low Tide (ft)	2.1
D9	06 Nov 2019	Low Tide Time	1149
D9	06 Nov 2019	Comments	Algae; Water clear
D9	13 Nov 2019	Arrive Time	907
D9	13 Nov 2019	Weather	Partly Cloudy
D9	13 Nov 2019	Wind Speed (kts)	1.7
D9	13 Nov 2019	Wind Dir	W
D9	13 Nov 2019	Animal Life	None
D9	13 Nov 2019	Floatables	None
D9	13 Nov 2019	Water Color	Green
D9	13 Nov 2019	Current Direction	S
D9	13 Nov 2019	Water Temp (C)	20.3
D9	13 Nov 2019	Wave Height Low (ft)	4
D9	13 Nov 2019	High Tide (ft)	6
D9	13 Nov 2019	High Tide Time	835
D9	13 Nov 2019	Low Tide (ft)	1.6
D9	13 Nov 2019	Low Tide Time	228
D9	13 Nov 2019	Comments	Kelp; Seagrass; Algae; 1 Surfer; Water clear
D9	25 Nov 2019	Arrive Time	855
D9	25 Nov 2019	Weather	Partly Cloudy
D9	25 Nov 2019	Wind Speed (kts)	3.3
D9	25 Nov 2019	Wind Dir	E

Station	Date	Parameter	Value
D9	25 Nov 2019	Animal Life	None
D9	25 Nov 2019	Floatables	Foam
D9	25 Nov 2019	Water Color	Green
D9	25 Nov 2019	Current Direction	N
D9	25 Nov 2019	Water Temp (C)	17
D9	25 Nov 2019	Wave Height Low (ft)	6
D9	25 Nov 2019	High Tide (ft)	6.6
D9	25 Nov 2019	High Tide Time	727
D9	25 Nov 2019	Low Tide (ft)	-0.9
D9	25 Nov 2019	Low Tide Time	1423
D9	25 Nov 2019	Comments	Kelp; Seagrass; Algae; 2 Surfers; Water clear
D10	06 Nov 2019	Arrive Time	933
D10	06 Nov 2019	Weather	Partly Cloudy
D10	06 Nov 2019	Wind Speed (kts)	3.3
D10	06 Nov 2019	Wind Dir	SW
D10	06 Nov 2019	Animal Life	4 Seagulls
D10	06 Nov 2019	Floatables	None
D10	06 Nov 2019	Water Color	Green
D10	06 Nov 2019	Current Direction	N
D10	06 Nov 2019	Water Temp (C)	20
D10	06 Nov 2019	Wave Height Low (ft)	2
D10	06 Nov 2019	High Tide (ft)	4.5
D10	06 Nov 2019	High Tide Time	553
D10	06 Nov 2019	Low Tide (ft)	2.1
D10	06 Nov 2019	Low Tide Time	1149
D10	06 Nov 2019	Comments	Kelp; 11 Persons; 22 Surfers; 1 Swimmer; Water clear
D10	13 Nov 2019	Arrive Time	922
D10	13 Nov 2019	Weather	Partly Cloudy
D10	13 Nov 2019	Wind Speed (kts)	7.1
D10	13 Nov 2019	Wind Dir	W
D10	13 Nov 2019	Animal Life	1 Pigeon
D10	13 Nov 2019	Floatables	None
D10	13 Nov 2019	Water Color	Green
D10	13 Nov 2019	Current Direction	S
D10	13 Nov 2019	Water Temp (C)	20.2
D10	13 Nov 2019	Wave Height Low (ft)	4
D10	13 Nov 2019	High Tide (ft)	6
D10	13 Nov 2019	High Tide Time	835
D10	13 Nov 2019	Low Tide (ft)	-0.3
D10	13 Nov 2019	Low Tide Time	1539
D10	13 Nov 2019	Comments	Kelp; Seagrass; 13 Persons; 6 Surfers; 2 Swimmers; Water clear
D10	25 Nov 2019	Arrive Time	909
D10	25 Nov 2019	Weather	Overcast
D10	25 Nov 2019	Wind Speed (kts)	1.5
D10	25 Nov 2019	Wind Dir	SE
D10	25 Nov 2019	Animal Life	18 Seagulls
D10	25 Nov 2019	Floatables	Foam; Film
D10	25 Nov 2019	Water Color	Green
D10	25 Nov 2019	Current Direction	N
D10	25 Nov 2019	Water Temp (C)	17.3
D10	25 Nov 2019	Wave Height Low (ft)	7
D10	25 Nov 2019	High Tide (ft)	6.6
D10	25 Nov 2019	High Tide Time	727
D10	25 Nov 2019	Low Tide (ft)	-0.9
D10	25 Nov 2019	Low Tide Time	1423
D10	25 Nov 2019	Comments	Kelp; Seagrass; 6 Persons; 12 Surfers; Water clear

Station	Date	Parameter	Value
D11	06 Nov 2019	Arrive Time	948
D11	06 Nov 2019	Weather	Partly Cloudy
D11	06 Nov 2019	Wind Speed (kts)	1.7
D11	06 Nov 2019	Wind Dir	SE
D11	06 Nov 2019	Animal Life	4 Dogs; 1 Godwit
D11	06 Nov 2019	Floatables	None
D11	06 Nov 2019	Water Color	Green
D11	06 Nov 2019	Current Direction	N
D11	06 Nov 2019	Water Temp (C)	20.2
D11	06 Nov 2019	Wave Height Low (ft)	2
D11	06 Nov 2019	High Tide (ft)	4.5
D11	06 Nov 2019	High Tide Time	553
D11	06 Nov 2019	Low Tide (ft)	2.1
D11	06 Nov 2019	Low Tide Time	1149
D11	06 Nov 2019	Comments	Kelp; Algae; 5 Persons; 8 Surfers; Water clear
D11	13 Nov 2019	Arrive Time	936
D11	13 Nov 2019	Weather	Partly Cloudy
D11	13 Nov 2019	Wind Speed (kts)	5.2
D11	13 Nov 2019	Wind Dir	NW
D11	13 Nov 2019	Animal Life	1 Cormorant; 3 Dogs
D11	13 Nov 2019	Floatables	None
D11	13 Nov 2019	Water Color	Green
D11	13 Nov 2019	Current Direction	S
D11	13 Nov 2019	Water Temp (C)	20.6
D11	13 Nov 2019	Wave Height Low (ft)	4
D11	13 Nov 2019	High Tide (ft)	6
D11	13 Nov 2019	High Tide Time	835
D11	13 Nov 2019	Low Tide (ft)	-0.3
D11	13 Nov 2019	Low Tide Time	1539
D11	13 Nov 2019	Comments	Kelp; Seagrass; Algae; 7 Persons; 9 Surfers; Water clear
D11	25 Nov 2019	Arrive Time	922
D11	25 Nov 2019	Weather	Partly Cloudy
D11	25 Nov 2019	Wind Speed (kts)	2.7
D11	25 Nov 2019	Wind Dir	E
D11	25 Nov 2019	Animal Life	6 Seagulls
D11	25 Nov 2019	Floatables	Foam; Film
D11	25 Nov 2019	Water Color	Green
D11	25 Nov 2019	Current Direction	S
D11	25 Nov 2019	Water Temp (C)	18.2
D11	25 Nov 2019	Wave Height Low (ft)	8
D11	25 Nov 2019	High Tide (ft)	6.6
D11	25 Nov 2019	High Tide Time	727
D11	25 Nov 2019	Low Tide (ft)	-0.9
D11	25 Nov 2019	Low Tide Time	1423
D11	25 Nov 2019	Comments	3 Persons; 31 Surfers; 1 Boat; Water clear
D12	06 Nov 2019	Arrive Time	1022
D12	06 Nov 2019	Weather	Partly Cloudy
D12	06 Nov 2019	Wind Speed (kts)	3.8
D12	06 Nov 2019	Wind Dir	SW
D12	06 Nov 2019	Animal Life	120 Seagulls
D12	06 Nov 2019	Floatables	None
D12	06 Nov 2019	Water Color	Green
D12	06 Nov 2019	Current Direction	SE
D12	06 Nov 2019	Water Temp (C)	20.5
D12	06 Nov 2019	Wave Height Low (ft)	2
D12	06 Nov 2019	High Tide (ft)	4.5
D12	06 Nov 2019	High Tide Time	553
D12	06 Nov 2019	Low Tide (ft)	2.1

Station	Date	Parameter	Value
D12	06 Nov 2019	Low Tide Time	1149
D12	06 Nov 2019	Comments	Kelp; Seagrass; 10 Persons; 1 Surfer; 1 Swimmer; Water clear
D12	13 Nov 2019	Arrive Time	1025
D12	13 Nov 2019	Weather	Partly Cloudy
D12	13 Nov 2019	Wind Speed (kts)	7.9
D12	13 Nov 2019	Wind Dir	NW
D12	13 Nov 2019	Animal Life	100 Seagulls; 18 Terns
D12	13 Nov 2019	Floatables	None
D12	13 Nov 2019	Water Color	Green
D12	13 Nov 2019	Current Direction	S
D12	13 Nov 2019	Water Temp (C)	19.8
D12	13 Nov 2019	Wave Height Low (ft)	3
D12	13 Nov 2019	High Tide (ft)	6
D12	13 Nov 2019	High Tide Time	835
D12	13 Nov 2019	Low Tide (ft)	-0.3
D12	13 Nov 2019	Low Tide Time	1539
D12	13 Nov 2019	Comments	Kelp; Seagrass; 5 Persons; Water clear
D12	25 Nov 2019	Arrive Time	945
D12	25 Nov 2019	Weather	Sunny
D12	25 Nov 2019	Wind Speed (kts)	4.6
D12	25 Nov 2019	Wind Dir	W
D12	25 Nov 2019	Animal Life	50 Seagulls
D12	25 Nov 2019	Floatables	Foam; Film
D12	25 Nov 2019	Water Color	Green
D12	25 Nov 2019	Current Direction	S
D12	25 Nov 2019	Water Temp (C)	19.2
D12	25 Nov 2019	Wave Height Low (ft)	4
D12	25 Nov 2019	High Tide (ft)	6.6
D12	25 Nov 2019	High Tide Time	727
D12	25 Nov 2019	Low Tide (ft)	-0.9
D12	25 Nov 2019	Low Tide Time	1423
D12	25 Nov 2019	Comments	Kelp; Seagrass; 5 Persons; 8 Surfers; Water clear

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2019	3	4	4	4	4	4	7	6
02 Nov 2019	3	4	4	4	4	4	7	6
03 Nov 2019	3	4	4	4	4	4	7	6
04 Nov 2019	3	5	3	3	4	3	6	6
05 Nov 2019	3	5	3	3	4	3	6	6
06 Nov 2019	3	5	3	3	4	3	6	6
07 Nov 2019	3	5	3	3	4	3	6	6
08 Nov 2019	3	6	4	4	4	4	7	8
09 Nov 2019	3	6	4	4	4	4	7	8
10 Nov 2019	3	6	4	4	4	4	7	8
11 Nov 2019	3	6	4	4	4	4	7	8
12 Nov 2019	3	5	4	3	5	3	6	6
13 Nov 2019	3	5	4	3	5	3	6	6
14 Nov 2019	2	4	4	3	4	3	3	5
15 Nov 2019	2	4	4	3	4	3	3	5
16 Nov 2019	2	4	4	3	4	3	3	5
17 Nov 2019	2	4	4	3	4	3	3	5
18 Nov 2019	3	7	5	4	5	4	4	4
19 Nov 2019	3	7	5	4	5	4	4	4
20 Nov 2019	3	7	5	4	5	4	4	4
21 Nov 2019	3	10	5	5	6	4	5	5
22 Nov 2019	3	10	5	5	6	4	5	5
23 Nov 2019	3	10	5	5	6	4	5	5
24 Nov 2019	3	10	5	5	6	4	5	5
25 Nov 2019	4	14	6	6	6	5	5	5
26 Nov 2019	4	14	6	6	6	5	5	5
27 Nov 2019	4	14	6	6	6	5	5	5
28 Nov 2019	4	18	6	6	6	6	5	3
29 Nov 2019	4	18	6	6	6	6	5	3
30 Nov 2019	4	18	6	6	6	6	5	3

* Geometric mean calculated using n<5

Table 3.2

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2019	2	2	2	2	2	2	2	2
02 Nov 2019	2	2	2	2	2	2	2	2
03 Nov 2019	2	2	2	2	2	2	2	2
04 Nov 2019	2	2	2	2	2	2	2	2
05 Nov 2019	2	2	2	2	2	2	2	2
06 Nov 2019	2	2	2	2	2	2	2	2
07 Nov 2019	2	2	2	2	2	2	2	2
08 Nov 2019	2	2	2	2	2	2	2	2
09 Nov 2019	2	2	2	2	2	2	2	2
10 Nov 2019	2	2	2	2	2	2	2	2
11 Nov 2019	2	2	2	2	2	2	2	2
12 Nov 2019	2	2	2	2	2	2	2	2
13 Nov 2019	2	2	2	2	2	2	2	2
14 Nov 2019	2	2	2	2	2	2	2	2
15 Nov 2019	2	2	2	2	2	2	2	2
16 Nov 2019	2	2	2	2	2	2	2	2
17 Nov 2019	2	2	2	2	2	2	2	2
18 Nov 2019	2	2	2	2	2	2	2	2
19 Nov 2019	2	2	2	2	2	2	2	2
20 Nov 2019	2	2	2	2	2	2	2	2
21 Nov 2019	2	3	2	2	2	2	2	2
22 Nov 2019	2	3	2	2	2	2	2	2
23 Nov 2019	2	3	2	2	2	2	2	2
24 Nov 2019	2	3	2	2	2	2	2	2
25 Nov 2019	2	2	2	2	2	2	2	2
26 Nov 2019	2	2	2	2	2	2	2	2
27 Nov 2019	2	2	2	2	2	2	2	2
28 Nov 2019	2	3	2	2	3	2	2	2
29 Nov 2019	2	3	2	2	3	2	2	2
30 Nov 2019	2	3	2	2	3	2	2	2

* Geometric mean calculated using n<5

Table 3.3

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2019	2	2	2	2	2	2	2	2
02 Nov 2019	2	2	2	2	2	2	2	2
03 Nov 2019	2	2	2	2	2	2	2	2
04 Nov 2019	2	2	2	2	2	3	6	2
05 Nov 2019	2	2	2	2	2	3	6	2
06 Nov 2019	2	2	2	2	2	3	6	2
07 Nov 2019	2	2	2	2	2	3	6	2
08 Nov 2019	2	2	2	2	2	3	7	2
09 Nov 2019	2	2	2	2	2	3	7	2
10 Nov 2019	2	2	2	2	2	3	7	2
11 Nov 2019	2	2	2	2	2	3	7	2
12 Nov 2019	2	3	3	2	2	3	7	2
13 Nov 2019	2	3	3	2	2	3	7	2
14 Nov 2019	2	3	3	2	2	3	10	2
15 Nov 2019	2	3	3	2	2	3	10	2
16 Nov 2019	2	3	3	2	2	3	10	2
17 Nov 2019	2	3	3	2	2	3	10	2
18 Nov 2019	2	3	3	2	2	3	7	2
19 Nov 2019	2	3	3	2	2	3	7	2
20 Nov 2019	2	3	3	2	2	3	7	2
21 Nov 2019	2	3	3	2	2	3	10	2
22 Nov 2019	2	3	3	2	2	3	10	2
23 Nov 2019	2	3	3	2	2	3	10	2
24 Nov 2019	2	3	3	2	2	3	10	2
25 Nov 2019	2	3	3	2	2	3	7	2
26 Nov 2019	2	3	3	2	2	3	7	2
27 Nov 2019	2	3	3	2	2	3	7	2
28 Nov 2019	2	3	3	2	2	3	10	2
29 Nov 2019	2	3	3	2	2	3	10	2
30 Nov 2019	2	3	3	2	2	3	10	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
04 Nov 2019	IC							
12 Nov 2019	IC							
18 Nov 2019	IC							
25 Nov 2019	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
04 Nov 2019	IC							
12 Nov 2019	IC							
18 Nov 2019	IC							
25 Nov 2019	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
04 Nov 2019	IC	IC	IC	IC	IC	IC	E	IC
12 Nov 2019	IC							
18 Nov 2019	IC							
25 Nov 2019	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
04 Nov 2019	IC							
12 Nov 2019	IC							
18 Nov 2019	IC							
25 Nov 2019	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	04 Nov 2019	745	1	<2	<2	<2	1.00	17.2	82.06	8.6	33.62	8.1
A1	04 Nov 2019	745	12	<2	<2	<2	1.00	17.0	80.66	8.5	33.62	8.1
A1	04 Nov 2019	745	18	2e	<2	<2	1.00	16.4	82.37	7.7	33.61	8.1
A1	12 Nov 2019	803	1	<2	<2	<2	1.00	17.5	80.12	7.7	33.64	8.1
A1	12 Nov 2019	803	12	<2	<2	<2	1.00	17.1	79.14	7.7	33.63	8.1
A1	12 Nov 2019	803	18	<2	<2	<2	1.00	16.5	82.84	7.1	33.60	8.0
A1	18 Nov 2019	731	1	2e	<2	<2	1.00	16.6	82.94	7.8	33.60	8.1
A1	18 Nov 2019	731	12	<20	<2	<2	0.10	15.3	84.79	7.0	33.58	8.0
A1	18 Nov 2019	731	18	20e	4e	2e	0.20	14.6	85.06	6.6	33.59	8.0
A1	25 Nov 2019	742	1	4e	<2	2e	0.50	16.7	77.44	8.2	33.52	8.1
A1	25 Nov 2019	742	12	8e	2e	<2	0.25	16.3	79.01	7.6	33.57	8.1
A1	25 Nov 2019	742	18	6e	<2	4e	0.33	15.3	80.31	7.3	33.57	8.0
A6	04 Nov 2019	812	1	<2	<2	<2	1.00	17.1	82.02	8.6	33.62	8.1
A6	04 Nov 2019	812	12	<2	<2	<2	1.00	16.9	80.25	8.3	33.62	8.1
A6	04 Nov 2019	812	18	20e	2e	<2	0.10	16.4	82.17	7.7	33.61	8.1
A6	12 Nov 2019	828	1	<2	<2	<20	1.00	17.9	79.87	8.0	33.64	8.1
A6	12 Nov 2019	828	12	<2	<2	<2	1.00	16.4	80.75	7.4	33.59	8.1
A6	12 Nov 2019	828	18	2e	<2	<20	1.00	16.2	82.04	7.2	33.59	8.0
A6	18 Nov 2019	754	1	<2	<2	<2	1.00	16.8	81.94	8.0	33.61	8.1
A6	18 Nov 2019	754	12	<200	4e	<2	0.02	15.2	84.25	6.9	33.58	8.1
A6	18 Nov 2019	754	18	80e	10e	<2	0.12	14.7	84.38	6.6	33.59	8.0
A6	25 Nov 2019	805	1	2e	<2	2e	1.00	16.7	81.24	7.8	33.55	8.1
A6	25 Nov 2019	805	12	6e	2e	<2	0.33	16.7	81.75	7.8	33.55	8.1
A6	25 Nov 2019	805	18	<200	2e	<2	0.01	16.2	81.98	7.4	33.51	8.1
A7	04 Nov 2019	800	1	<2	<2	<2	1.00	17.0	80.04	8.7	33.62	8.1
A7	04 Nov 2019	800	12	<2	<2	<2	1.00	16.9	80.42	8.5	33.62	8.1
A7	04 Nov 2019	800	18	2e	<2	<2	1.00	16.7	81.51	7.9	33.62	8.1
A7	12 Nov 2019	816	1	<20	<2	<2	0.10	17.9	79.49	7.6	33.65	8.1
A7	12 Nov 2019	816	12	2e	<2	<2	1.00	17.1	78.61	7.5	33.62	8.1
A7	12 Nov 2019	816	18	2e	2e	<20	1.00	16.5	80.81	7.5	33.60	8.1
A7	18 Nov 2019	742	1	<2	<2	<2	1.00	16.8	80.21	8.1	33.61	8.1
A7	18 Nov 2019	742	12	<20	<2	<2	0.10	15.4	82.88	7.0	33.58	8.1
A7	18 Nov 2019	742	18	12e	2e	<2	0.17	15.1	84.00	6.7	33.58	8.0
A7	25 Nov 2019	753	1	<2	2e	<2	1.00	16.7	77.87	8.2	33.52	8.1
A7	25 Nov 2019	753	12	<2	<2	<2	1.00	16.7	78.42	8.2	33.52	8.1
A7	25 Nov 2019	753	18	14e	6e	<2	0.43	16.3	81.34	7.5	33.55	8.1
C4	04 Nov 2019	909	1	<2	<2	<2	1.00	17.4	81.20	7.5	33.64	8.1
C4	04 Nov 2019	909	3	<2	<2	<2	1.00	17.3	80.78	7.4	33.64	8.1
C4	04 Nov 2019	909	9	<2	<2	6e	1.00	17.1	81.29	6.0	33.63	8.0

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C4	12 Nov 2019	933	1	2e	<2	<2	1.00	17.7	76.29	7.6	33.66	8.1
C4	12 Nov 2019	933	3	<2	<2	<2	1.00	17.7	76.30	7.6	33.66	8.1
C4	12 Nov 2019	933	9	<2	<2	<2	1.00	17.6	77.53	7.3	33.65	8.1
C4	18 Nov 2019	853	1	<20	<2	<2	0.10	17.0	64.50	6.9	33.63	8.0
C4	18 Nov 2019	853	3	<20	2e	<2	0.10	17.0	64.15	6.8	33.63	8.0
C4	18 Nov 2019	853	9	<20	<2	<2	0.10	15.9	66.72	5.1	33.61	7.9
C4	25 Nov 2019	911	1	2e	<2	<2	1.00	16.9	67.03	6.7	33.53	8.0
C4	25 Nov 2019	911	3	<20	6e	<2	0.30	16.8	64.55	6.7	33.53	8.0
C4	25 Nov 2019	911	9	<20	<2	<2	0.10	16.8	60.61	6.6	33.53	8.0
C5	04 Nov 2019	900	1	<2	<2	6e	1.00	17.2	79.08	8.2	33.63	8.1
C5	04 Nov 2019	900	3	<2	<2	2e	1.00	17.2	79.59	8.2	33.63	8.1
C5	04 Nov 2019	900	9	2e	<2	<2	1.00	16.9	81.68	7.7	33.62	8.1
C5	12 Nov 2019	922	1	<20	<2	<2	0.10	18.1	72.37	6.9	33.66	8.1
C5	12 Nov 2019	922	3	<2	<2	<2	1.00	17.9	72.02	6.7	33.66	8.0
C5	12 Nov 2019	922	9	<2	4e	<2	2.00	16.9	82.32	7.0	33.61	8.1
C5	18 Nov 2019	844	1	2e	<2	<2	1.00	16.8	75.17	7.2	33.62	8.1
C5	18 Nov 2019	844	3	2e	<2	<2	1.00	16.8	74.61	7.1	33.62	8.1
C5	18 Nov 2019	844	9	<20	4e	<2	0.20	16.4	75.12	5.7	33.63	8.0
C5	25 Nov 2019	901	1	4e	4e	<2	1.00	16.9	64.48	6.5	33.58	8.0
C5	25 Nov 2019	901	3	2e	4e	<2	2.00	16.9	67.28	6.5	33.58	8.0
C5	25 Nov 2019	901	9	<20	<2	<2	0.10	16.7	29.25	6.3	33.57	8.0
C6	04 Nov 2019	852	1	<2	<2	2e	1.00	17.2	81.24	8.2	33.62	8.1
C6	04 Nov 2019	852	3	<2	<2	16e	1.00	17.2	80.77	8.3	33.62	8.1
C6	04 Nov 2019	852	9	2e	<2	4e	1.00	16.9	82.32	6.5	33.61	8.0
C6	12 Nov 2019	912	1	<2	<2	<2	1.00	18.0	77.91	7.4	33.64	8.1
C6	12 Nov 2019	912	3	2e	<2	<2	1.00	17.9	77.84	7.4	33.64	8.1
C6	12 Nov 2019	912	9	<2	<2	<2	1.00	17.1	79.26	5.8	33.62	8.0
C6	18 Nov 2019	835	1	<20	<2	<2	0.10	16.9	78.01	7.7	33.62	8.1
C6	18 Nov 2019	835	3	<20	<2	<2	0.10	16.8	77.72	7.7	33.62	8.1
C6	18 Nov 2019	835	9	<20	<2	<2	0.10	16.7	76.09	6.8	33.61	8.1
C6	25 Nov 2019	850	1	<20	<2	<2	0.10	16.8	74.26	6.6	33.57	8.0
C6	25 Nov 2019	850	3	<20	<2	4e	0.10	16.8	74.12	6.6	33.58	8.0
C6	25 Nov 2019	850	9	<20	<2	<2	0.10	16.6	73.30	6.3	33.56	8.0
C7	04 Nov 2019	825	1	<2	<2	120e	1.00	17.1	80.58	8.7	33.62	8.1
C7	04 Nov 2019	825	12	<2	2e	96	1.00	16.9	79.56	8.5	33.61	8.1
C7	04 Nov 2019	825	18	4e	2e	560	0.50	16.0	83.27	7.1	33.60	8.0
C7	12 Nov 2019	844	1	<2	<2	<2	1.00	17.7	81.46	8.1	33.62	8.1
C7	12 Nov 2019	844	12	<2	<2	<20	1.00	16.6	81.85	7.7	33.59	8.1
C7	12 Nov 2019	844	18	<2	<2	<2	1.00	16.5	84.41	7.2	33.60	8.1
C7	18 Nov 2019	808	1	<20	6e	<2	0.30	16.6	82.03	7.8	33.60	8.1
C7	18 Nov 2019	808	12	<20	<2	<2	0.10	15.8	81.83	7.7	33.55	8.1
C7	18 Nov 2019	808	18	8e	2e	<2	0.25	15.1	83.78	6.7	33.60	8.0
C7	25 Nov 2019	819	1	<2	<2	<2	1.00	16.7	80.81	8.1	33.54	8.1
C7	25 Nov 2019	819	12	<2	<2	<2	1.00	16.6	81.58	7.9	33.54	8.1
C7	25 Nov 2019	819	18	18e	<2	2e	0.11	15.7	82.45	7.2	33.58	8.1
C8	04 Nov 2019	835	1	4e	<2	<2	0.50	17.2	80.81	8.3	33.63	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C8	04 Nov 2019	835	12	<2	<2	<2	1.00	17.1	80.04	8.2	33.63	8.1
C8	04 Nov 2019	835	18	<20	<2	6e	0.10	16.3	82.50	7.5	33.61	8.1
C8	12 Nov 2019	856	1	<2	<2	<2	1.00	17.8	78.43	8.1	33.63	8.1
C8	12 Nov 2019	856	12	<2	<2	<2	1.00	16.6	83.46	7.3	33.60	8.1
C8	12 Nov 2019	856	18	<2	<2	<2	1.00	16.6	83.34	7.3	33.60	8.1
C8	18 Nov 2019	818	1	<2	<2	<2	1.00	16.6	80.14	7.8	33.60	8.1
C8	18 Nov 2019	818	12	<2	<2	<2	1.00	16.0	82.06	7.8	33.55	8.1
C8	18 Nov 2019	818	18	<2	<2	<2	1.00	15.1	82.57	6.9	33.58	8.1
C8	25 Nov 2019	830	1	<2	2e	<2	1.00	16.7	79.87	8.1	33.55	8.1
C8	25 Nov 2019	830	12	2e	4e	2e	2.00	16.5	81.91	7.8	33.54	8.1
C8	25 Nov 2019	830	18	6e	4e	<2	0.67	16.3	80.94	7.3	33.56	8.1

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	04 Nov 2019	Depth (m)	18
A1	04 Nov 2019	Arrive Time	745
A1	04 Nov 2019	Depart Time	752
A1	04 Nov 2019	Air Temp (C)	16
A1	04 Nov 2019	Weather	Cloudy
A1	04 Nov 2019	Visibility (mi)	11
A1	04 Nov 2019	Wind Speed (kts)	NA
A1	04 Nov 2019	Wind Dir	NA
A1	04 Nov 2019	Water Color	Greenish-Blue
A1	04 Nov 2019	Wave Ht Low (ft)	1
A1	04 Nov 2019	Wave Period (sec)	13
A1	04 Nov 2019	Sea State	Calm
A1	04 Nov 2019	High Tide (ft)	6.33
A1	04 Nov 2019	High Tide Time	2106
A1	04 Nov 2019	Low Tide (ft)	-0.71
A1	04 Nov 2019	Low Tide Time	405
A1	04 Nov 2019	Comments	Kelp; Wind data not recorded due to instrument error for all PL stations
A1	12 Nov 2019	Depth (m)	21
A1	12 Nov 2019	Arrive Time	803
A1	12 Nov 2019	Depart Time	808
A1	12 Nov 2019	Air Temp (C)	15
A1	12 Nov 2019	Weather	Fog
A1	12 Nov 2019	Visibility (mi)	1
A1	12 Nov 2019	Wind Speed (kts)	2
A1	12 Nov 2019	Wind Dir	NW
A1	12 Nov 2019	Water Color	Bluish-Green
A1	12 Nov 2019	Wave Ht Low (ft)	2
A1	12 Nov 2019	Wave Period (sec)	11
A1	12 Nov 2019	Sea State	Wind ripples
A1	12 Nov 2019	High Tide (ft)	6.33
A1	12 Nov 2019	High Tide Time	2106
A1	12 Nov 2019	Low Tide (ft)	-0.71
A1	12 Nov 2019	Low Tide Time	405
A1	12 Nov 2019	Comments	Lobster floats
A1	18 Nov 2019	Depth (m)	19
A1	18 Nov 2019	Arrive Time	731
A1	18 Nov 2019	Depart Time	736
A1	18 Nov 2019	Air Temp (C)	22
A1	18 Nov 2019	Weather	Partly Cloudy
A1	18 Nov 2019	Visibility (mi)	9
A1	18 Nov 2019	Wind Speed (kts)	11
A1	18 Nov 2019	Wind Dir	N
A1	18 Nov 2019	Water Color	Greenish-Blue
A1	18 Nov 2019	Wave Ht Low (ft)	3
A1	18 Nov 2019	Wave Period (sec)	13
A1	18 Nov 2019	Sea State	Calm
A1	18 Nov 2019	High Tide (ft)	6.33
A1	18 Nov 2019	High Tide Time	2106
A1	18 Nov 2019	Low Tide (ft)	-0.71
A1	18 Nov 2019	Low Tide Time	405
A1	18 Nov 2019	Comments	Lobster floats; Kelp
A1	25 Nov 2019	Depth (m)	18

Station	Date	Parameter	Value
A1	25 Nov 2019	Arrive Time	742
A1	25 Nov 2019	Depart Time	750
A1	25 Nov 2019	Air Temp (C)	14
A1	25 Nov 2019	Weather	Partly Cloudy
A1	25 Nov 2019	Visibility (mi)	3
A1	25 Nov 2019	Wind Speed (kts)	8
A1	25 Nov 2019	Wind Dir	NE
A1	25 Nov 2019	Water Color	Greenish-Blue
A1	25 Nov 2019	Wave Ht Low (ft)	3
A1	25 Nov 2019	Wave Period (sec)	11
A1	25 Nov 2019	Sea State	Light chop
A1	25 Nov 2019	High Tide (ft)	6.33
A1	25 Nov 2019	High Tide Time	2106
A1	25 Nov 2019	Low Tide (ft)	-0.71
A1	25 Nov 2019	Low Tide Time	405
A1	25 Nov 2019	Comments	Kelp; Kelp debris
A6	04 Nov 2019	Depth (m)	20
A6	04 Nov 2019	Arrive Time	812
A6	04 Nov 2019	Depart Time	814
A6	04 Nov 2019	Air Temp (C)	16
A6	04 Nov 2019	Weather	Cloudy
A6	04 Nov 2019	Visibility (mi)	11
A6	04 Nov 2019	Wind Speed (kts)	NA
A6	04 Nov 2019	Wind Dir	NA
A6	04 Nov 2019	Water Color	Greenish-Blue
A6	04 Nov 2019	Wave Ht Low (ft)	1
A6	04 Nov 2019	Wave Period (sec)	13
A6	04 Nov 2019	Sea State	Calm
A6	04 Nov 2019	High Tide (ft)	6.33
A6	04 Nov 2019	High Tide Time	2106
A6	04 Nov 2019	Low Tide (ft)	-0.71
A6	04 Nov 2019	Low Tide Time	405
A6	04 Nov 2019	Comments	none
A6	12 Nov 2019	Depth (m)	20
A6	12 Nov 2019	Arrive Time	828
A6	12 Nov 2019	Depart Time	835
A6	12 Nov 2019	Air Temp (C)	15
A6	12 Nov 2019	Weather	Fog
A6	12 Nov 2019	Visibility (mi)	1
A6	12 Nov 2019	Wind Speed (kts)	1
A6	12 Nov 2019	Wind Dir	NW
A6	12 Nov 2019	Water Color	Bluish-Green
A6	12 Nov 2019	Wave Ht Low (ft)	3
A6	12 Nov 2019	Wave Period (sec)	13
A6	12 Nov 2019	Sea State	Wind ripples
A6	12 Nov 2019	High Tide (ft)	6.33
A6	12 Nov 2019	High Tide Time	2106
A6	12 Nov 2019	Low Tide (ft)	-0.71
A6	12 Nov 2019	Low Tide Time	405
A6	12 Nov 2019	Comments	Lobster floats; Kelp
A6	18 Nov 2019	Depth (m)	19
A6	18 Nov 2019	Arrive Time	754
A6	18 Nov 2019	Depart Time	759
A6	18 Nov 2019	Air Temp (C)	26
A6	18 Nov 2019	Weather	Partly Cloudy
A6	18 Nov 2019	Visibility (mi)	9
A6	18 Nov 2019	Wind Speed (kts)	5
A6	18 Nov 2019	Wind Dir	N

Station	Date	Parameter	Value
A6	18 Nov 2019	Water Color	Greenish-Blue
A6	18 Nov 2019	Wave Ht Low (ft)	3
A6	18 Nov 2019	Wave Period (sec)	13
A6	18 Nov 2019	Sea State	Calm
A6	18 Nov 2019	High Tide (ft)	6.33
A6	18 Nov 2019	High Tide Time	2106
A6	18 Nov 2019	Low Tide (ft)	-0.71
A6	18 Nov 2019	Low Tide Time	405
A6	18 Nov 2019	Comments	Lobster floats; Kelp
A6	25 Nov 2019	Depth (m)	18
A6	25 Nov 2019	Arrive Time	805
A6	25 Nov 2019	Depart Time	811
A6	25 Nov 2019	Air Temp (C)	15
A6	25 Nov 2019	Weather	Partly Cloudy
A6	25 Nov 2019	Visibility (mi)	6
A6	25 Nov 2019	Wind Speed (kts)	10
A6	25 Nov 2019	Wind Dir	NE
A6	25 Nov 2019	Water Color	Greenish-Blue
A6	25 Nov 2019	Wave Ht Low (ft)	3
A6	25 Nov 2019	Wave Period (sec)	11
A6	25 Nov 2019	Sea State	Light chop
A6	25 Nov 2019	High Tide (ft)	6.33
A6	25 Nov 2019	High Tide Time	2106
A6	25 Nov 2019	Low Tide (ft)	-0.71
A6	25 Nov 2019	Low Tide Time	405
A6	25 Nov 2019	Comments	Kelp; Kelp debris
A7	04 Nov 2019	Depth (m)	19
A7	04 Nov 2019	Arrive Time	800
A7	04 Nov 2019	Depart Time	803
A7	04 Nov 2019	Air Temp (C)	16
A7	04 Nov 2019	Weather	Cloudy
A7	04 Nov 2019	Visibility (mi)	11
A7	04 Nov 2019	Wind Speed (kts)	NA
A7	04 Nov 2019	Wind Dir	NA
A7	04 Nov 2019	Water Color	Greenish-Blue
A7	04 Nov 2019	Wave Ht Low (ft)	1
A7	04 Nov 2019	Wave Period (sec)	13
A7	04 Nov 2019	Sea State	Calm
A7	04 Nov 2019	High Tide (ft)	6.33
A7	04 Nov 2019	High Tide Time	2106
A7	04 Nov 2019	Low Tide (ft)	-0.71
A7	04 Nov 2019	Low Tide Time	405
A7	04 Nov 2019	Comments	Kelp debris
A7	12 Nov 2019	Depth (m)	19
A7	12 Nov 2019	Arrive Time	816
A7	12 Nov 2019	Depart Time	821
A7	12 Nov 2019	Air Temp (C)	15
A7	12 Nov 2019	Weather	Fog
A7	12 Nov 2019	Visibility (mi)	1
A7	12 Nov 2019	Wind Speed (kts)	2
A7	12 Nov 2019	Wind Dir	NW
A7	12 Nov 2019	Water Color	Bluish-Green
A7	12 Nov 2019	Wave Ht Low (ft)	2
A7	12 Nov 2019	Wave Period (sec)	11
A7	12 Nov 2019	Sea State	Wind ripples
A7	12 Nov 2019	High Tide (ft)	6.33
A7	12 Nov 2019	High Tide Time	2106
A7	12 Nov 2019	Low Tide (ft)	-0.71

Station	Date	Parameter	Value
A7	12 Nov 2019	Low Tide Time	405
A7	12 Nov 2019	Comments	Lobster floats; Kelp
A7	18 Nov 2019	Depth (m)	19
A7	18 Nov 2019	Arrive Time	742
A7	18 Nov 2019	Depart Time	748
A7	18 Nov 2019	Air Temp (C)	23
A7	18 Nov 2019	Weather	Partly Cloudy
A7	18 Nov 2019	Visibility (mi)	9
A7	18 Nov 2019	Wind Speed (kts)	2
A7	18 Nov 2019	Wind Dir	W
A7	18 Nov 2019	Water Color	Greenish-Blue
A7	18 Nov 2019	Wave Ht Low (ft)	3
A7	18 Nov 2019	Wave Period (sec)	13
A7	18 Nov 2019	Sea State	Calm
A7	18 Nov 2019	High Tide (ft)	6.33
A7	18 Nov 2019	High Tide Time	2106
A7	18 Nov 2019	Low Tide (ft)	-0.71
A7	18 Nov 2019	Low Tide Time	405
A7	18 Nov 2019	Comments	Lobster floats; Kelp
A7	25 Nov 2019	Depth (m)	18
A7	25 Nov 2019	Arrive Time	753
A7	25 Nov 2019	Depart Time	758
A7	25 Nov 2019	Air Temp (C)	15
A7	25 Nov 2019	Weather	Partly Cloudy
A7	25 Nov 2019	Visibility (mi)	5
A7	25 Nov 2019	Wind Speed (kts)	9
A7	25 Nov 2019	Wind Dir	NE
A7	25 Nov 2019	Water Color	Greenish-Blue
A7	25 Nov 2019	Wave Ht Low (ft)	3
A7	25 Nov 2019	Wave Period (sec)	11
A7	25 Nov 2019	Sea State	Light chop
A7	25 Nov 2019	High Tide (ft)	6.33
A7	25 Nov 2019	High Tide Time	2106
A7	25 Nov 2019	Low Tide (ft)	-0.71
A7	25 Nov 2019	Low Tide Time	405
A7	25 Nov 2019	Comments	Kelp
C4	04 Nov 2019	Depth (m)	9
C4	04 Nov 2019	Arrive Time	909
C4	04 Nov 2019	Depart Time	911
C4	04 Nov 2019	Air Temp (C)	17
C4	04 Nov 2019	Weather	Haze
C4	04 Nov 2019	Visibility (mi)	13
C4	04 Nov 2019	Wind Speed (kts)	NA
C4	04 Nov 2019	Wind Dir	NA
C4	04 Nov 2019	Water Color	Green
C4	04 Nov 2019	Wave Ht Low (ft)	1
C4	04 Nov 2019	Wave Period (sec)	13
C4	04 Nov 2019	Sea State	Calm
C4	04 Nov 2019	High Tide (ft)	6.33
C4	04 Nov 2019	High Tide Time	2106
C4	04 Nov 2019	Low Tide (ft)	-0.71
C4	04 Nov 2019	Low Tide Time	405
C4	04 Nov 2019	Comments	Kelp
C4	12 Nov 2019	Depth (m)	12
C4	12 Nov 2019	Arrive Time	933
C4	12 Nov 2019	Depart Time	938
C4	12 Nov 2019	Air Temp (C)	15

Station	Date	Parameter	Value
C4	12 Nov 2019	Weather	Fog
C4	12 Nov 2019	Visibility (mi)	1
C4	12 Nov 2019	Wind Speed (kts)	5
C4	12 Nov 2019	Wind Dir	SW
C4	12 Nov 2019	Water Color	Green
C4	12 Nov 2019	Wave Ht Low (ft)	3
C4	12 Nov 2019	Wave Period (sec)	13
C4	12 Nov 2019	Sea State	Wind ripples
C4	12 Nov 2019	High Tide (ft)	6.33
C4	12 Nov 2019	High Tide Time	2106
C4	12 Nov 2019	Low Tide (ft)	-0.71
C4	12 Nov 2019	Low Tide Time	405
C4	12 Nov 2019	Comments	Lobster floats; Kelp
C4	18 Nov 2019	Depth (m)	10
C4	18 Nov 2019	Arrive Time	853
C4	18 Nov 2019	Depart Time	859
C4	18 Nov 2019	Air Temp (C)	26
C4	18 Nov 2019	Weather	Partly Cloudy
C4	18 Nov 2019	Visibility (mi)	9
C4	18 Nov 2019	Wind Speed (kts)	4
C4	18 Nov 2019	Wind Dir	W
C4	18 Nov 2019	Water Color	Green
C4	18 Nov 2019	Wave Ht Low (ft)	3
C4	18 Nov 2019	Wave Period (sec)	13
C4	18 Nov 2019	Sea State	Calm
C4	18 Nov 2019	High Tide (ft)	6.33
C4	18 Nov 2019	High Tide Time	2106
C4	18 Nov 2019	Low Tide (ft)	-0.71
C4	18 Nov 2019	Low Tide Time	405
C4	18 Nov 2019	Comments	Lobster floats; Kelp
C4	25 Nov 2019	Depth (m)	9
C4	25 Nov 2019	Arrive Time	911
C4	25 Nov 2019	Depart Time	914
C4	25 Nov 2019	Air Temp (C)	15
C4	25 Nov 2019	Weather	Partly Cloudy
C4	25 Nov 2019	Visibility (mi)	9
C4	25 Nov 2019	Wind Speed (kts)	11
C4	25 Nov 2019	Wind Dir	N
C4	25 Nov 2019	Water Color	Greenish-Brown
C4	25 Nov 2019	Wave Ht Low (ft)	3
C4	25 Nov 2019	Wave Period (sec)	11
C4	25 Nov 2019	Sea State	Light chop
C4	25 Nov 2019	High Tide (ft)	6.33
C4	25 Nov 2019	High Tide Time	2106
C4	25 Nov 2019	Low Tide (ft)	-0.71
C4	25 Nov 2019	Low Tide Time	405
C4	25 Nov 2019	Comments	none
C5	04 Nov 2019	Depth (m)	9
C5	04 Nov 2019	Arrive Time	900
C5	04 Nov 2019	Depart Time	902
C5	04 Nov 2019	Air Temp (C)	17
C5	04 Nov 2019	Weather	Haze
C5	04 Nov 2019	Visibility (mi)	13
C5	04 Nov 2019	Wind Speed (kts)	NA
C5	04 Nov 2019	Wind Dir	NA
C5	04 Nov 2019	Water Color	Green
C5	04 Nov 2019	Wave Ht Low (ft)	1
C5	04 Nov 2019	Wave Period (sec)	13

Station	Date	Parameter	Value
C5	04 Nov 2019	Sea State	Calm
C5	04 Nov 2019	High Tide (ft)	6.33
C5	04 Nov 2019	High Tide Time	2106
C5	04 Nov 2019	Low Tide (ft)	-0.71
C5	04 Nov 2019	Low Tide Time	405
C5	04 Nov 2019	Comments	none
C5	12 Nov 2019	Depth (m)	11
C5	12 Nov 2019	Arrive Time	922
C5	12 Nov 2019	Depart Time	928
C5	12 Nov 2019	Air Temp (C)	15
C5	12 Nov 2019	Weather	Fog
C5	12 Nov 2019	Visibility (mi)	1
C5	12 Nov 2019	Wind Speed (kts)	3
C5	12 Nov 2019	Wind Dir	NW
C5	12 Nov 2019	Water Color	Green
C5	12 Nov 2019	Wave Ht Low (ft)	3
C5	12 Nov 2019	Wave Period (sec)	13
C5	12 Nov 2019	Sea State	Wind ripples
C5	12 Nov 2019	High Tide (ft)	6.33
C5	12 Nov 2019	High Tide Time	2106
C5	12 Nov 2019	Low Tide (ft)	-0.71
C5	12 Nov 2019	Low Tide Time	405
C5	12 Nov 2019	Comments	Lobster floats; Kelp
C5	18 Nov 2019	Depth (m)	10
C5	18 Nov 2019	Arrive Time	844
C5	18 Nov 2019	Depart Time	848
C5	18 Nov 2019	Air Temp (C)	25
C5	18 Nov 2019	Weather	Partly Cloudy
C5	18 Nov 2019	Visibility (mi)	9
C5	18 Nov 2019	Wind Speed (kts)	0
C5	18 Nov 2019	Wind Dir	
C5	18 Nov 2019	Water Color	Green
C5	18 Nov 2019	Wave Ht Low (ft)	3
C5	18 Nov 2019	Wave Period (sec)	13
C5	18 Nov 2019	Sea State	Calm
C5	18 Nov 2019	High Tide (ft)	6.33
C5	18 Nov 2019	High Tide Time	2106
C5	18 Nov 2019	Low Tide (ft)	-0.71
C5	18 Nov 2019	Low Tide Time	405
C5	18 Nov 2019	Comments	Lobster floats
C5	25 Nov 2019	Depth (m)	9
C5	25 Nov 2019	Arrive Time	901
C5	25 Nov 2019	Depart Time	904
C5	25 Nov 2019	Air Temp (C)	15
C5	25 Nov 2019	Weather	Partly Cloudy
C5	25 Nov 2019	Visibility (mi)	9
C5	25 Nov 2019	Wind Speed (kts)	6
C5	25 Nov 2019	Wind Dir	N
C5	25 Nov 2019	Water Color	Greenish-Brown
C5	25 Nov 2019	Wave Ht Low (ft)	3
C5	25 Nov 2019	Wave Period (sec)	11
C5	25 Nov 2019	Sea State	Light chop
C5	25 Nov 2019	High Tide (ft)	6.33
C5	25 Nov 2019	High Tide Time	2106
C5	25 Nov 2019	Low Tide (ft)	-0.71
C5	25 Nov 2019	Low Tide Time	405
C5	25 Nov 2019	Comments	Kelp

Station	Date	Parameter	Value
C6	04 Nov 2019	Depth (m)	9
C6	04 Nov 2019	Arrive Time	852
C6	04 Nov 2019	Depart Time	853
C6	04 Nov 2019	Air Temp (C)	17
C6	04 Nov 2019	Weather	Cloudy
C6	04 Nov 2019	Visibility (mi)	11
C6	04 Nov 2019	Wind Speed (kts)	NA
C6	04 Nov 2019	Wind Dir	NA
C6	04 Nov 2019	Water Color	Green
C6	04 Nov 2019	Wave Ht Low (ft)	1
C6	04 Nov 2019	Wave Period (sec)	13
C6	04 Nov 2019	Sea State	Calm
C6	04 Nov 2019	High Tide (ft)	6.33
C6	04 Nov 2019	High Tide Time	2106
C6	04 Nov 2019	Low Tide (ft)	-0.71
C6	04 Nov 2019	Low Tide Time	405
C6	04 Nov 2019	Comments	Kelp
C6	12 Nov 2019	Depth (m)	11
C6	12 Nov 2019	Arrive Time	912
C6	12 Nov 2019	Depart Time	917
C6	12 Nov 2019	Air Temp (C)	15
C6	12 Nov 2019	Weather	Fog
C6	12 Nov 2019	Visibility (mi)	1
C6	12 Nov 2019	Wind Speed (kts)	4
C6	12 Nov 2019	Wind Dir	W
C6	12 Nov 2019	Water Color	Bluish-Green
C6	12 Nov 2019	Wave Ht Low (ft)	3
C6	12 Nov 2019	Wave Period (sec)	13
C6	12 Nov 2019	Sea State	Wind ripples
C6	12 Nov 2019	High Tide (ft)	6.33
C6	12 Nov 2019	High Tide Time	2106
C6	12 Nov 2019	Low Tide (ft)	-0.71
C6	12 Nov 2019	Low Tide Time	405
C6	12 Nov 2019	Comments	Lobster floats
C6	18 Nov 2019	Depth (m)	10
C6	18 Nov 2019	Arrive Time	835
C6	18 Nov 2019	Depart Time	839
C6	18 Nov 2019	Air Temp (C)	25
C6	18 Nov 2019	Weather	Partly Cloudy
C6	18 Nov 2019	Visibility (mi)	9
C6	18 Nov 2019	Wind Speed (kts)	2
C6	18 Nov 2019	Wind Dir	SW
C6	18 Nov 2019	Water Color	Green
C6	18 Nov 2019	Wave Ht Low (ft)	3
C6	18 Nov 2019	Wave Period (sec)	13
C6	18 Nov 2019	Sea State	Calm
C6	18 Nov 2019	High Tide (ft)	6.33
C6	18 Nov 2019	High Tide Time	2106
C6	18 Nov 2019	Low Tide (ft)	-0.71
C6	18 Nov 2019	Low Tide Time	405
C6	18 Nov 2019	Comments	Lobster floats
C6	25 Nov 2019	Depth (m)	9
C6	25 Nov 2019	Arrive Time	850
C6	25 Nov 2019	Depart Time	853
C6	25 Nov 2019	Air Temp (C)	15
C6	25 Nov 2019	Weather	Partly Cloudy
C6	25 Nov 2019	Visibility (mi)	9
C6	25 Nov 2019	Wind Speed (kts)	11

Station	Date	Parameter	Value
C6	25 Nov 2019	Wind Dir	N
C6	25 Nov 2019	Water Color	Green
C6	25 Nov 2019	Wave Ht Low (ft)	3
C6	25 Nov 2019	Wave Period (sec)	11
C6	25 Nov 2019	Sea State	Light chop
C6	25 Nov 2019	High Tide (ft)	6.33
C6	25 Nov 2019	High Tide Time	2106
C6	25 Nov 2019	Low Tide (ft)	-0.71
C6	25 Nov 2019	Low Tide Time	405
C6	25 Nov 2019	Comments	Kelp
C7	04 Nov 2019	Depth (m)	18
C7	04 Nov 2019	Arrive Time	825
C7	04 Nov 2019	Depart Time	829
C7	04 Nov 2019	Air Temp (C)	17
C7	04 Nov 2019	Weather	Cloudy
C7	04 Nov 2019	Visibility (mi)	11
C7	04 Nov 2019	Wind Speed (kts)	NA
C7	04 Nov 2019	Wind Dir	NA
C7	04 Nov 2019	Water Color	Greenish-Blue
C7	04 Nov 2019	Wave Ht Low (ft)	1
C7	04 Nov 2019	Wave Period (sec)	13
C7	04 Nov 2019	Sea State	Calm
C7	04 Nov 2019	High Tide (ft)	6.33
C7	04 Nov 2019	High Tide Time	2106
C7	04 Nov 2019	Low Tide (ft)	-0.71
C7	04 Nov 2019	Low Tide Time	405
C7	04 Nov 2019	Comments	Kelp
C7	12 Nov 2019	Depth (m)	20
C7	12 Nov 2019	Arrive Time	844
C7	12 Nov 2019	Depart Time	850
C7	12 Nov 2019	Air Temp (C)	15
C7	12 Nov 2019	Weather	Fog
C7	12 Nov 2019	Visibility (mi)	1
C7	12 Nov 2019	Wind Speed (kts)	7
C7	12 Nov 2019	Wind Dir	NW
C7	12 Nov 2019	Water Color	Bluish-Green
C7	12 Nov 2019	Wave Ht Low (ft)	3
C7	12 Nov 2019	Wave Period (sec)	13
C7	12 Nov 2019	Sea State	Wind ripples
C7	12 Nov 2019	High Tide (ft)	6.33
C7	12 Nov 2019	High Tide Time	2106
C7	12 Nov 2019	Low Tide (ft)	-0.71
C7	12 Nov 2019	Low Tide Time	405
C7	12 Nov 2019	Comments	Lobster floats; Kelp debris
C7	18 Nov 2019	Depth (m)	19
C7	18 Nov 2019	Arrive Time	808
C7	18 Nov 2019	Depart Time	813
C7	18 Nov 2019	Air Temp (C)	22
C7	18 Nov 2019	Weather	Partly Cloudy
C7	18 Nov 2019	Visibility (mi)	9
C7	18 Nov 2019	Wind Speed (kts)	1
C7	18 Nov 2019	Wind Dir	W
C7	18 Nov 2019	Water Color	Greenish-Blue
C7	18 Nov 2019	Wave Ht Low (ft)	3
C7	18 Nov 2019	Wave Period (sec)	13
C7	18 Nov 2019	Sea State	Calm
C7	18 Nov 2019	High Tide (ft)	6.33
C7	18 Nov 2019	High Tide Time	2106

Station	Date	Parameter	Value
C7	18 Nov 2019	Low Tide (ft)	-0.71
C7	18 Nov 2019	Low Tide Time	405
C7	18 Nov 2019	Comments	Lobster floats
C7	25 Nov 2019	Depth (m)	18
C7	25 Nov 2019	Arrive Time	819
C7	25 Nov 2019	Depart Time	823
C7	25 Nov 2019	Air Temp (C)	14
C7	25 Nov 2019	Weather	Partly Cloudy
C7	25 Nov 2019	Visibility (mi)	6
C7	25 Nov 2019	Wind Speed (kts)	8
C7	25 Nov 2019	Wind Dir	N
C7	25 Nov 2019	Water Color	Greenish-Blue
C7	25 Nov 2019	Wave Ht Low (ft)	3
C7	25 Nov 2019	Wave Period (sec)	11
C7	25 Nov 2019	Sea State	Light chop
C7	25 Nov 2019	High Tide (ft)	6.33
C7	25 Nov 2019	High Tide Time	2106
C7	25 Nov 2019	Low Tide (ft)	-0.71
C7	25 Nov 2019	Low Tide Time	405
C7	25 Nov 2019	Comments	Kelp
C8	04 Nov 2019	Depth (m)	20
C8	04 Nov 2019	Arrive Time	835
C8	04 Nov 2019	Depart Time	837
C8	04 Nov 2019	Air Temp (C)	17
C8	04 Nov 2019	Weather	Cloudy
C8	04 Nov 2019	Visibility (mi)	11
C8	04 Nov 2019	Wind Speed (kts)	NA
C8	04 Nov 2019	Wind Dir	NA
C8	04 Nov 2019	Water Color	Greenish-Blue
C8	04 Nov 2019	Wave Ht Low (ft)	1
C8	04 Nov 2019	Wave Period (sec)	13
C8	04 Nov 2019	Sea State	Calm
C8	04 Nov 2019	High Tide (ft)	6.33
C8	04 Nov 2019	High Tide Time	2106
C8	04 Nov 2019	Low Tide (ft)	-0.71
C8	04 Nov 2019	Low Tide Time	405
C8	04 Nov 2019	Comments	Kelp debris
C8	12 Nov 2019	Depth (m)	19
C8	12 Nov 2019	Arrive Time	856
C8	12 Nov 2019	Depart Time	901
C8	12 Nov 2019	Air Temp (C)	15
C8	12 Nov 2019	Weather	Fog
C8	12 Nov 2019	Visibility (mi)	1
C8	12 Nov 2019	Wind Speed (kts)	3
C8	12 Nov 2019	Wind Dir	NW
C8	12 Nov 2019	Water Color	Bluish-Green
C8	12 Nov 2019	Wave Ht Low (ft)	3
C8	12 Nov 2019	Wave Period (sec)	13
C8	12 Nov 2019	Sea State	Wind ripples
C8	12 Nov 2019	High Tide (ft)	6.33
C8	12 Nov 2019	High Tide Time	2106
C8	12 Nov 2019	Low Tide (ft)	-0.71
C8	12 Nov 2019	Low Tide Time	405
C8	12 Nov 2019	Comments	Lobster floats
C8	18 Nov 2019	Depth (m)	20
C8	18 Nov 2019	Arrive Time	818
C8	18 Nov 2019	Depart Time	824

Station	Date	Parameter	Value
C8	18 Nov 2019	Air Temp (C)	20
C8	18 Nov 2019	Weather	Partly Cloudy
C8	18 Nov 2019	Visibility (mi)	9
C8	18 Nov 2019	Wind Speed (kts)	6
C8	18 Nov 2019	Wind Dir	NW
C8	18 Nov 2019	Water Color	Greenish-Blue
C8	18 Nov 2019	Wave Ht Low (ft)	3
C8	18 Nov 2019	Wave Period (sec)	13
C8	18 Nov 2019	Sea State	Calm
C8	18 Nov 2019	High Tide (ft)	6.33
C8	18 Nov 2019	High Tide Time	2106
C8	18 Nov 2019	Low Tide (ft)	-0.71
C8	18 Nov 2019	Low Tide Time	405
C8	18 Nov 2019	Comments	Lobster floats; Kelp debris
C8	25 Nov 2019	Depth (m)	20
C8	25 Nov 2019	Arrive Time	830
C8	25 Nov 2019	Depart Time	837
C8	25 Nov 2019	Air Temp (C)	14
C8	25 Nov 2019	Weather	Partly Cloudy
C8	25 Nov 2019	Visibility (mi)	7
C8	25 Nov 2019	Wind Speed (kts)	9
C8	25 Nov 2019	Wind Dir	NE
C8	25 Nov 2019	Water Color	Greenish-Blue
C8	25 Nov 2019	Wave Ht Low (ft)	3
C8	25 Nov 2019	Wave Period (sec)	11
C8	25 Nov 2019	Sea State	Light chop
C8	25 Nov 2019	High Tide (ft)	6.33
C8	25 Nov 2019	High Tide Time	2106
C8	25 Nov 2019	Low Tide (ft)	-0.71
C8	25 Nov 2019	Low Tide Time	405
C8	25 Nov 2019	Comments	none

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	04 Nov 2019	1	17.20	82.06	8.6	33.62	8.1	24.4	1.13
A1	04 Nov 2019	2	17.20	82.09	8.6	33.62	8.1	24.4	1.12
A1	04 Nov 2019	3	17.20	82.13	8.5	33.62	8.1	24.4	1.18
A1	04 Nov 2019	4	17.19	82.14	8.5	33.62	8.1	24.4	1.32
A1	04 Nov 2019	5	17.15	82.07	8.6	33.62	8.1	24.4	1.45
A1	04 Nov 2019	6	17.12	81.93	8.6	33.62	8.1	24.4	1.59
A1	04 Nov 2019	7	17.10	81.74	8.6	33.62	8.1	24.4	1.64
A1	04 Nov 2019	8	17.06	81.43	8.5	33.62	8.1	24.4	1.87
A1	04 Nov 2019	9	17.05	81.19	8.5	33.62	8.1	24.4	2.05
A1	04 Nov 2019	10	17.04	80.89	8.5	33.62	8.1	24.4	2.12
A1	04 Nov 2019	11	17.03	80.88	8.5	33.62	8.1	24.4	2.24
A1	04 Nov 2019	12	17.01	80.66	8.5	33.62	8.1	24.5	2.31
A1	04 Nov 2019	13	17.01	80.59	8.5	33.62	8.1	24.5	2.40
A1	04 Nov 2019	14	17.01	80.55	8.5	33.62	8.1	24.5	2.44
A1	04 Nov 2019	15	17.01	80.46	8.5	33.62	8.1	24.5	2.45
A1	04 Nov 2019	16	16.97	80.45	8.4	33.62	8.1	24.5	2.53
A1	04 Nov 2019	17	16.70	80.50	8.0	33.63	8.1	24.5	2.69
A1	04 Nov 2019	18	16.41	82.37	7.7	33.61	8.1	24.6	1.96
A1	04 Nov 2019	19	16.39	81.96	7.7	33.60	8.1	24.6	1.52
A1	12 Nov 2019	1	17.53	80.12	7.7	33.64	8.1	24.3	1.61
A1	12 Nov 2019	2	17.52	80.14	7.8	33.64	8.1	24.4	1.60
A1	12 Nov 2019	3	17.49	79.88	7.8	33.64	8.1	24.4	1.77
A1	12 Nov 2019	4	17.48	79.67	7.8	33.64	8.1	24.4	1.84
A1	12 Nov 2019	5	17.46	79.66	7.8	33.64	8.1	24.4	1.92
A1	12 Nov 2019	6	17.45	79.59	7.8	33.63	8.1	24.4	1.93
A1	12 Nov 2019	7	17.42	79.56	7.8	33.63	8.1	24.4	1.97
A1	12 Nov 2019	8	17.40	79.43	7.8	33.63	8.1	24.4	2.08
A1	12 Nov 2019	9	17.38	79.37	7.7	33.63	8.1	24.4	2.09
A1	12 Nov 2019	10	17.34	79.25	7.7	33.63	8.1	24.4	2.17
A1	12 Nov 2019	11	17.22	79.17	7.7	33.64	8.1	24.4	2.17
A1	12 Nov 2019	12	17.06	79.14	7.7	33.63	8.1	24.4	2.24
A1	12 Nov 2019	13	16.97	79.38	7.6	33.62	8.1	24.5	2.39
A1	12 Nov 2019	14	16.89	80.04	7.4	33.62	8.1	24.5	2.26
A1	12 Nov 2019	15	16.79	80.83	7.2	33.63	8.1	24.5	2.09
A1	12 Nov 2019	16	16.60	81.83	7.1	33.62	8.0	24.5	1.69
A1	12 Nov 2019	17	16.56	82.41	7.1	33.60	8.0	24.5	1.38
A1	12 Nov 2019	18	16.52	82.84	7.1	33.60	8.0	24.6	1.26
A1	12 Nov 2019	19	16.50	82.91	7.1	33.60	8.0	24.6	1.19
A1	12 Nov 2019	20	16.49	82.89	7.1	33.60	8.0	24.6	1.12
A1	18 Nov 2019	1	16.62	82.94	7.8	33.60	8.1	24.5	1.14
A1	18 Nov 2019	2	16.62	82.97	7.8	33.60	8.1	24.5	1.17
A1	18 Nov 2019	3	16.62	83.17	7.9	33.60	8.1	24.5	1.22
A1	18 Nov 2019	4	16.62	83.05	7.9	33.60	8.1	24.5	1.31
A1	18 Nov 2019	5	16.57	82.78	7.8	33.60	8.1	24.5	1.46
A1	18 Nov 2019	6	16.35	82.80	7.8	33.59	8.1	24.6	1.63
A1	18 Nov 2019	7	16.15	82.71	7.8	33.58	8.1	24.6	1.84
A1	18 Nov 2019	8	15.93	82.76	7.6	33.57	8.1	24.7	1.90
A1	18 Nov 2019	9	15.84	82.92	7.4	33.57	8.1	24.7	1.98
A1	18 Nov 2019	10	15.52	82.73	7.2	33.61	8.1	24.8	1.82
A1	18 Nov 2019	11	15.28	84.01	7.0	33.59	8.0	24.8	1.42
A1	18 Nov 2019	12	15.27	84.79	7.0	33.58	8.0	24.8	1.29
A1	18 Nov 2019	13	15.17	84.97	6.9	33.59	8.0	24.9	1.25
A1	18 Nov 2019	14	15.11	85.12	6.9	33.59	8.0	24.9	1.10
A1	18 Nov 2019	15	14.89	84.79	6.7	33.60	8.0	24.9	0.90

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	18 Nov 2019	16	14.70	84.74	6.7	33.60	8.0	25.0	0.68
A1	18 Nov 2019	17	14.64	85.07	6.7	33.59	8.0	25.0	0.61
A1	18 Nov 2019	18	14.65	85.06	6.6	33.59	8.0	25.0	0.57
A1	25 Nov 2019	1	16.71	77.44	8.2	33.52	8.1	24.4	2.53
A1	25 Nov 2019	2	16.71	77.19	8.2	33.52	8.1	24.4	2.66
A1	25 Nov 2019	3	16.71	77.53	8.2	33.52	8.1	24.4	2.81
A1	25 Nov 2019	4	16.71	77.27	8.2	33.52	8.1	24.4	2.92
A1	25 Nov 2019	5	16.71	77.49	8.2	33.52	8.1	24.4	2.92
A1	25 Nov 2019	6	16.71	77.41	8.2	33.52	8.1	24.4	2.96
A1	25 Nov 2019	7	16.71	77.36	8.2	33.52	8.1	24.4	2.93
A1	25 Nov 2019	8	16.71	77.49	8.2	33.52	8.1	24.4	2.96
A1	25 Nov 2019	9	16.70	77.47	8.1	33.52	8.1	24.5	2.86
A1	25 Nov 2019	10	16.68	77.68	8.1	33.52	8.1	24.5	2.70
A1	25 Nov 2019	11	16.62	77.72	7.9	33.53	8.1	24.5	2.50
A1	25 Nov 2019	12	16.30	79.01	7.6	33.57	8.1	24.6	1.93
A1	25 Nov 2019	13	15.87	80.49	7.4	33.58	8.1	24.7	1.42
A1	25 Nov 2019	14	15.49	81.09	7.2	33.59	8.0	24.8	1.07
A1	25 Nov 2019	15	15.35	80.91	7.2	33.58	8.0	24.8	1.00
A1	25 Nov 2019	16	15.31	80.77	7.2	33.57	8.0	24.8	1.04
A1	25 Nov 2019	17	15.30	80.72	7.3	33.57	8.0	24.8	1.02
A1	25 Nov 2019	18	15.30	80.31	7.3	33.57	8.0	24.8	1.02
A1	25 Nov 2019	19	15.30	80.05	7.3	33.57	8.0	24.8	0.98
A6	04 Nov 2019	1	17.10	82.02	8.6	33.62	8.1	24.4	0.88
A6	04 Nov 2019	2	17.07	81.54	8.6	33.62	8.1	24.4	1.03
A6	04 Nov 2019	3	17.04	81.31	8.6	33.62	8.1	24.4	1.41
A6	04 Nov 2019	4	17.04	81.30	8.6	33.62	8.1	24.4	1.56
A6	04 Nov 2019	5	17.03	81.18	8.6	33.62	8.1	24.4	1.78
A6	04 Nov 2019	6	17.01	81.03	8.6	33.62	8.1	24.5	1.96
A6	04 Nov 2019	7	17.00	80.90	8.6	33.62	8.1	24.5	2.17
A6	04 Nov 2019	8	16.99	80.89	8.6	33.62	8.1	24.5	2.20
A6	04 Nov 2019	9	16.96	80.51	8.6	33.62	8.1	24.5	2.45
A6	04 Nov 2019	10	16.95	80.39	8.6	33.62	8.1	24.5	2.65
A6	04 Nov 2019	11	16.92	80.28	8.5	33.62	8.1	24.5	2.74
A6	04 Nov 2019	12	16.85	80.25	8.3	33.62	8.1	24.5	2.75
A6	04 Nov 2019	13	16.77	80.57	8.1	33.62	8.1	24.5	2.68
A6	04 Nov 2019	14	16.63	81.13	7.9	33.61	8.1	24.5	2.50
A6	04 Nov 2019	15	16.52	81.80	7.7	33.62	8.1	24.6	2.25
A6	04 Nov 2019	16	16.48	82.32	7.7	33.61	8.1	24.6	2.08
A6	04 Nov 2019	17	16.49	82.21	7.7	33.61	8.1	24.6	2.10
A6	04 Nov 2019	18	16.36	82.17	7.7	33.61	8.1	24.6	2.18
A6	04 Nov 2019	19	16.30	82.14	7.6	33.61	8.1	24.6	2.13
A6	04 Nov 2019	20	16.26	82.76	7.5	33.61	8.1	24.6	1.79
A6	04 Nov 2019	21	16.08	82.49	7.4	33.61	8.0	24.7	1.52
A6	12 Nov 2019	1	17.94	79.87	8.0	33.64	8.1	24.2	1.38
A6	12 Nov 2019	2	17.88	79.88	8.0	33.64	8.1	24.3	1.53
A6	12 Nov 2019	3	17.63	80.10	7.9	33.64	8.1	24.3	1.77
A6	12 Nov 2019	4	17.34	80.75	7.8	33.63	8.1	24.4	1.81
A6	12 Nov 2019	5	17.04	78.21	7.7	33.62	8.1	24.4	1.89
A6	12 Nov 2019	6	17.11	78.91	7.6	33.61	8.1	24.4	1.90
A6	12 Nov 2019	7	16.86	77.05	7.5	33.61	8.1	24.5	1.93
A6	12 Nov 2019	8	16.78	78.04	7.5	33.60	8.1	24.5	1.87
A6	12 Nov 2019	9	16.78	78.85	7.4	33.60	8.1	24.5	1.86
A6	12 Nov 2019	10	16.67	80.06	7.4	33.60	8.1	24.5	1.79
A6	12 Nov 2019	11	16.51	80.04	7.4	33.61	8.1	24.6	1.68
A6	12 Nov 2019	12	16.41	80.75	7.4	33.59	8.1	24.6	1.56
A6	12 Nov 2019	13	16.31	81.41	7.4	33.60	8.1	24.6	1.46
A6	12 Nov 2019	14	16.36	82.35	7.3	33.59	8.1	24.6	1.33
A6	12 Nov 2019	15	16.23	81.35	7.3	33.60	8.1	24.6	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	12 Nov 2019	16	16.24	82.65	7.2	33.59	8.0	24.6	1.16
A6	12 Nov 2019	17	16.19	82.25	7.2	33.59	8.0	24.6	1.03
A6	12 Nov 2019	18	16.19	82.04	7.2	33.59	8.0	24.6	0.97
A6	12 Nov 2019	19	16.18	82.41	7.1	33.59	8.0	24.6	0.97
A6	18 Nov 2019	1	16.82	81.94	8.0	33.61	8.1	24.5	1.14
A6	18 Nov 2019	2	16.79	81.90	8.0	33.61	8.1	24.5	1.21
A6	18 Nov 2019	3	16.65	82.08	7.8	33.62	8.1	24.5	1.32
A6	18 Nov 2019	4	15.99	82.35	7.4	33.61	8.1	24.7	1.48
A6	18 Nov 2019	5	15.83	82.73	7.3	33.59	8.1	24.7	1.52
A6	18 Nov 2019	6	15.54	83.17	7.2	33.59	8.1	24.8	1.61
A6	18 Nov 2019	7	15.38	83.44	7.1	33.58	8.1	24.8	1.60
A6	18 Nov 2019	8	15.33	83.55	7.0	33.58	8.1	24.8	1.60
A6	18 Nov 2019	9	15.31	83.76	7.0	33.58	8.1	24.8	1.46
A6	18 Nov 2019	10	15.28	84.05	7.0	33.58	8.1	24.8	1.47
A6	18 Nov 2019	11	15.21	84.03	7.0	33.59	8.1	24.8	1.37
A6	18 Nov 2019	12	15.15	84.25	6.9	33.58	8.1	24.8	1.22
A6	18 Nov 2019	13	15.06	83.88	6.9	33.59	8.0	24.9	1.16
A6	18 Nov 2019	14	14.99	84.33	6.8	33.59	8.0	24.9	1.05
A6	18 Nov 2019	15	14.90	84.53	6.8	33.59	8.0	24.9	0.91
A6	18 Nov 2019	16	14.81	84.35	6.7	33.59	8.0	24.9	0.82
A6	18 Nov 2019	17	14.74	84.38	6.7	33.59	8.0	24.9	0.73
A6	18 Nov 2019	18	14.74	84.38	6.6	33.59	8.0	24.9	0.65
A6	25 Nov 2019	1	16.68	81.24	7.8	33.55	8.1	24.5	1.43
A6	25 Nov 2019	2	16.69	81.21	7.8	33.55	8.1	24.5	1.47
A6	25 Nov 2019	3	16.70	80.95	7.8	33.55	8.1	24.5	1.55
A6	25 Nov 2019	4	16.70	81.30	7.8	33.55	8.1	24.5	1.68
A6	25 Nov 2019	5	16.70	81.47	7.8	33.55	8.1	24.5	1.62
A6	25 Nov 2019	6	16.69	81.47	7.8	33.55	8.1	24.5	1.57
A6	25 Nov 2019	7	16.69	81.63	7.8	33.55	8.1	24.5	1.48
A6	25 Nov 2019	8	16.69	81.58	7.8	33.55	8.1	24.5	1.46
A6	25 Nov 2019	9	16.69	81.54	7.8	33.55	8.1	24.5	1.41
A6	25 Nov 2019	10	16.69	81.66	7.7	33.55	8.1	24.5	1.42
A6	25 Nov 2019	11	16.69	81.74	7.7	33.55	8.1	24.5	1.37
A6	25 Nov 2019	12	16.69	81.75	7.8	33.55	8.1	24.5	1.34
A6	25 Nov 2019	13	16.65	81.80	7.7	33.56	8.1	24.5	1.36
A6	25 Nov 2019	14	16.45	81.73	7.7	33.56	8.1	24.5	1.46
A6	25 Nov 2019	15	16.30	81.86	7.6	33.56	8.1	24.6	1.49
A6	25 Nov 2019	16	16.22	81.67	7.4	33.55	8.1	24.6	1.43
A6	25 Nov 2019	17	15.86	82.06	7.3	33.57	8.1	24.7	1.12
A6	25 Nov 2019	18	16.17	81.98	7.4	33.51	8.1	24.6	1.09
A7	04 Nov 2019	1	17.02	80.04	8.7	33.62	8.1	24.5	1.72
A7	04 Nov 2019	2	17.02	79.87	8.7	33.62	8.1	24.5	1.85
A7	04 Nov 2019	3	17.01	80.04	8.7	33.62	8.1	24.5	1.97
A7	04 Nov 2019	4	17.00	80.18	8.7	33.62	8.1	24.5	2.09
A7	04 Nov 2019	5	17.00	80.21	8.7	33.62	8.1	24.5	2.19
A7	04 Nov 2019	6	17.00	80.22	8.7	33.62	8.1	24.5	2.23
A7	04 Nov 2019	7	16.98	80.26	8.6	33.62	8.1	24.5	2.27
A7	04 Nov 2019	8	16.94	80.41	8.6	33.62	8.1	24.5	2.44
A7	04 Nov 2019	9	16.93	80.44	8.6	33.62	8.1	24.5	2.57
A7	04 Nov 2019	10	16.91	80.50	8.5	33.62	8.1	24.5	2.64
A7	04 Nov 2019	11	16.92	80.42	8.5	33.62	8.1	24.5	2.68
A7	04 Nov 2019	12	16.91	80.42	8.5	33.62	8.1	24.5	2.66
A7	04 Nov 2019	13	16.91	80.44	8.5	33.62	8.1	24.5	2.75
A7	04 Nov 2019	14	16.90	80.29	8.5	33.62	8.1	24.5	2.77
A7	04 Nov 2019	15	16.89	80.43	8.4	33.62	8.1	24.5	2.74
A7	04 Nov 2019	16	16.88	80.65	8.4	33.62	8.1	24.5	2.65
A7	04 Nov 2019	17	16.87	80.68	8.3	33.62	8.1	24.5	2.72
A7	04 Nov 2019	18	16.70	81.51	7.9	33.62	8.1	24.5	2.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	04 Nov 2019	19	16.65	81.86	7.7	33.61	8.1	24.5	1.33
A7	12 Nov 2019	1	17.92	79.49	7.6	33.65	8.1	24.3	1.48
A7	12 Nov 2019	2	17.87	79.57	7.6	33.65	8.1	24.3	1.63
A7	12 Nov 2019	3	17.77	79.75	7.5	33.65	8.1	24.3	1.79
A7	12 Nov 2019	4	17.56	79.85	7.5	33.64	8.1	24.3	2.10
A7	12 Nov 2019	5	17.54	80.01	7.4	33.63	8.1	24.3	2.21
A7	12 Nov 2019	6	17.49	79.97	7.3	33.64	8.1	24.4	2.35
A7	12 Nov 2019	7	17.39	79.49	7.4	33.64	8.1	24.4	2.35
A7	12 Nov 2019	8	17.34	78.40	7.4	33.63	8.1	24.4	2.25
A7	12 Nov 2019	9	17.32	79.71	7.4	33.62	8.1	24.4	2.21
A7	12 Nov 2019	10	17.27	79.31	7.4	33.62	8.1	24.4	2.17
A7	12 Nov 2019	11	17.21	78.91	7.4	33.62	8.1	24.4	2.18
A7	12 Nov 2019	12	17.14	78.61	7.5	33.62	8.1	24.4	2.23
A7	12 Nov 2019	13	17.02	79.19	7.5	33.62	8.1	24.4	2.28
A7	12 Nov 2019	14	16.91	80.05	7.5	33.61	8.1	24.5	2.35
A7	12 Nov 2019	15	16.79	80.17	7.5	33.61	8.1	24.5	2.44
A7	12 Nov 2019	16	16.74	80.06	7.5	33.61	8.1	24.5	2.58
A7	12 Nov 2019	17	16.55	80.51	7.5	33.61	8.1	24.6	2.60
A7	12 Nov 2019	18	16.50	80.81	7.5	33.60	8.1	24.6	2.50
A7	12 Nov 2019	19	16.32	81.77	7.3	33.61	8.1	24.6	2.13
A7	12 Nov 2019	20	16.18	81.91	7.3	33.60	8.1	24.6	1.84
A7	18 Nov 2019	1	16.83	80.21	8.1	33.61	8.1	24.5	1.65
A7	18 Nov 2019	2	16.83	80.48	8.1	33.61	8.1	24.5	1.64
A7	18 Nov 2019	3	16.80	80.89	8.0	33.61	8.1	24.5	1.76
A7	18 Nov 2019	4	16.77	80.82	8.0	33.60	8.1	24.5	1.74
A7	18 Nov 2019	5	16.71	80.26	7.8	33.61	8.1	24.5	1.82
A7	18 Nov 2019	6	16.52	81.20	7.5	33.63	8.1	24.6	1.79
A7	18 Nov 2019	7	16.18	81.53	7.2	33.61	8.1	24.6	1.59
A7	18 Nov 2019	8	16.01	76.40	7.0	33.60	8.1	24.7	1.50
A7	18 Nov 2019	9	15.67	71.58	7.1	33.59	8.1	24.7	1.64
A7	18 Nov 2019	10	15.49	77.94	7.0	33.59	8.1	24.8	1.62
A7	18 Nov 2019	11	15.41	81.83	7.0	33.58	8.1	24.8	1.56
A7	18 Nov 2019	12	15.40	82.88	7.0	33.58	8.1	24.8	1.47
A7	18 Nov 2019	13	15.37	83.11	6.9	33.58	8.0	24.8	1.38
A7	18 Nov 2019	14	15.28	83.52	6.9	33.59	8.0	24.8	1.26
A7	18 Nov 2019	15	15.20	83.57	6.8	33.59	8.0	24.8	1.15
A7	18 Nov 2019	16	15.15	84.34	6.8	33.59	8.0	24.9	1.06
A7	18 Nov 2019	17	15.09	84.59	6.7	33.59	8.0	24.9	0.90
A7	18 Nov 2019	18	15.11	84.00	6.7	33.58	8.0	24.9	0.86
A7	25 Nov 2019	1	16.69	77.87	8.2	33.52	8.1	24.5	2.57
A7	25 Nov 2019	2	16.69	77.91	8.2	33.52	8.1	24.5	2.64
A7	25 Nov 2019	3	16.69	78.13	8.2	33.52	8.1	24.5	2.77
A7	25 Nov 2019	4	16.69	78.42	8.2	33.52	8.1	24.5	2.85
A7	25 Nov 2019	5	16.68	78.37	8.2	33.52	8.1	24.5	2.98
A7	25 Nov 2019	6	16.68	78.39	8.2	33.52	8.1	24.5	2.99
A7	25 Nov 2019	7	16.68	78.44	8.2	33.52	8.1	24.5	3.01
A7	25 Nov 2019	8	16.68	78.35	8.2	33.52	8.1	24.5	3.02
A7	25 Nov 2019	9	16.68	78.32	8.2	33.52	8.1	24.5	2.94
A7	25 Nov 2019	10	16.68	78.33	8.2	33.52	8.1	24.5	2.89
A7	25 Nov 2019	11	16.67	78.50	8.2	33.52	8.1	24.5	2.84
A7	25 Nov 2019	12	16.67	78.42	8.2	33.52	8.1	24.5	2.80
A7	25 Nov 2019	13	16.65	78.51	8.2	33.52	8.1	24.5	2.76
A7	25 Nov 2019	14	16.64	78.45	8.1	33.52	8.1	24.5	2.66
A7	25 Nov 2019	15	16.61	78.61	8.1	33.53	8.1	24.5	2.58
A7	25 Nov 2019	16	16.58	79.01	8.0	33.53	8.1	24.5	2.34
A7	25 Nov 2019	17	16.40	80.38	7.8	33.55	8.1	24.5	2.00
A7	25 Nov 2019	18	16.26	81.34	7.5	33.55	8.1	24.6	1.59
A7	25 Nov 2019	19	15.96	81.62	7.4	33.57	8.1	24.7	1.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C4	04 Nov 2019	1	17.43	81.20	7.5	33.64	8.1	24.4	0.84
C4	04 Nov 2019	2	17.37	81.01	7.5	33.64	8.1	24.4	0.95
C4	04 Nov 2019	3	17.34	80.78	7.4	33.64	8.1	24.4	1.11
C4	04 Nov 2019	4	17.31	80.70	7.3	33.63	8.0	24.4	1.21
C4	04 Nov 2019	5	17.31	80.54	7.2	33.63	8.0	24.4	1.24
C4	04 Nov 2019	6	17.31	80.63	7.2	33.63	8.0	24.4	1.25
C4	04 Nov 2019	7	17.28	80.50	7.1	33.63	8.0	24.4	1.26
C4	04 Nov 2019	8	17.26	80.79	6.9	33.63	8.0	24.4	1.17
C4	04 Nov 2019	9	17.06	81.29	6.0	33.63	8.0	24.4	0.84
C4	04 Nov 2019	10	16.99	81.02	5.4	33.62	7.9	24.5	0.60
C4	04 Nov 2019	11	16.96	80.29	5.3	33.62	7.9	24.5	0.54
C4	12 Nov 2019	1	17.68	76.29	7.6	33.66	8.1	24.3	1.43
C4	12 Nov 2019	2	17.67	76.15	7.6	33.66	8.1	24.3	1.55
C4	12 Nov 2019	3	17.68	76.30	7.6	33.66	8.1	24.3	1.61
C4	12 Nov 2019	4	17.68	76.31	7.5	33.67	8.1	24.3	1.75
C4	12 Nov 2019	5	17.64	76.63	7.5	33.66	8.1	24.3	1.79
C4	12 Nov 2019	6	17.64	76.77	7.5	33.66	8.1	24.3	1.69
C4	12 Nov 2019	7	17.61	76.94	7.4	33.66	8.1	24.3	1.59
C4	12 Nov 2019	8	17.59	77.23	7.4	33.65	8.1	24.3	1.40
C4	12 Nov 2019	9	17.58	77.53	7.3	33.65	8.1	24.3	1.22
C4	12 Nov 2019	10	17.55	77.28	7.2	33.65	8.1	24.3	1.09
C4	12 Nov 2019	11	17.54	75.05	7.1	33.64	8.1	24.3	0.90
C4	12 Nov 2019	12	17.54	72.44	7.0	33.64	8.1	24.3	0.79
C4	18 Nov 2019	1	16.99	64.50	6.9	33.63	8.0	24.5	0.91
C4	18 Nov 2019	2	16.98	64.22	6.9	33.63	8.0	24.5	0.94
C4	18 Nov 2019	3	16.96	64.15	6.8	33.63	8.0	24.5	1.00
C4	18 Nov 2019	4	16.93	64.21	6.8	33.63	8.0	24.5	1.08
C4	18 Nov 2019	5	16.79	67.92	6.6	33.64	8.0	24.5	1.08
C4	18 Nov 2019	6	16.53	70.40	6.1	33.63	8.0	24.6	0.88
C4	18 Nov 2019	7	16.27	71.33	5.6	33.63	8.0	24.6	0.70
C4	18 Nov 2019	8	16.03	69.75	5.3	33.62	8.0	24.7	0.61
C4	18 Nov 2019	9	15.90	66.72	5.1	33.61	7.9	24.7	0.57
C4	18 Nov 2019	10	15.88	58.25	5.0	33.60	7.9	24.7	0.56
C4	18 Nov 2019	11	15.88	56.12	5.0	33.60	7.9	24.7	0.56
C4	25 Nov 2019	1	16.85	67.03	6.7	33.53	8.0	24.4	0.67
C4	25 Nov 2019	2	16.85	66.72	6.7	33.53	8.0	24.4	0.71
C4	25 Nov 2019	3	16.84	64.55	6.7	33.53	8.0	24.4	0.78
C4	25 Nov 2019	4	16.84	61.82	6.6	33.53	8.0	24.4	0.80
C4	25 Nov 2019	5	16.82	65.25	6.6	33.53	8.0	24.4	0.83
C4	25 Nov 2019	6	16.81	64.28	6.7	33.53	8.0	24.4	0.84
C4	25 Nov 2019	7	16.80	63.54	6.6	33.53	8.0	24.4	0.81
C4	25 Nov 2019	8	16.80	62.61	6.6	33.52	8.0	24.4	0.90
C4	25 Nov 2019	9	16.80	60.61	6.6	33.53	8.0	24.4	0.87
C4	25 Nov 2019	10	16.80	57.11	6.6	33.53	8.0	24.4	0.77
C4	25 Nov 2019	11	16.80	55.36	6.6	33.53	8.0	24.4	0.77
C5	04 Nov 2019	1	17.20	79.08	8.2	33.63	8.1	24.4	2.07
C5	04 Nov 2019	2	17.20	79.19	8.2	33.63	8.1	24.4	2.14
C5	04 Nov 2019	3	17.21	79.59	8.2	33.63	8.1	24.4	2.01
C5	04 Nov 2019	4	17.15	79.51	8.2	33.63	8.1	24.4	2.53
C5	04 Nov 2019	5	17.08	78.13	8.2	33.63	8.1	24.4	3.33
C5	04 Nov 2019	6	17.00	78.44	8.3	33.62	8.1	24.5	3.42
C5	04 Nov 2019	7	16.95	79.36	8.2	33.62	8.1	24.5	3.35
C5	04 Nov 2019	8	16.91	80.37	7.9	33.62	8.1	24.5	2.94
C5	04 Nov 2019	9	16.88	81.68	7.7	33.62	8.1	24.5	2.12
C5	04 Nov 2019	10	16.88	82.18	7.6	33.62	8.1	24.5	1.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C5	12 Nov 2019	1	18.08	72.37	6.9	33.66	8.1	24.2	0.94
	12 Nov 2019	2	18.03	71.95	6.8	33.66	8.1	24.2	0.97
	12 Nov 2019	3	17.94	72.02	6.7	33.66	8.0	24.3	0.98
	12 Nov 2019	4	17.88	72.90	6.4	33.67	8.0	24.3	0.93
	12 Nov 2019	5	17.44	75.86	5.9	33.67	8.0	24.4	0.85
	12 Nov 2019	6	17.34	78.49	6.0	33.64	8.0	24.4	0.75
	12 Nov 2019	7	17.13	80.39	6.6	33.64	8.0	24.4	0.80
	12 Nov 2019	8	16.92	81.90	7.0	33.62	8.1	24.5	1.01
	12 Nov 2019	9	16.85	82.32	7.0	33.61	8.1	24.5	1.08
	12 Nov 2019	10	16.85	81.53	7.0	33.60	8.1	24.5	1.02
	12 Nov 2019	11	16.85	80.41	6.9	33.60	8.1	24.5	0.95
C5	18 Nov 2019	1	16.84	75.17	7.2	33.62	8.1	24.5	1.34
	18 Nov 2019	2	16.79	74.83	7.2	33.62	8.1	24.5	1.48
	18 Nov 2019	3	16.78	74.61	7.1	33.62	8.1	24.5	1.66
	18 Nov 2019	4	16.78	74.64	7.1	33.62	8.1	24.5	1.71
	18 Nov 2019	5	16.77	74.65	7.1	33.62	8.1	24.5	1.70
	18 Nov 2019	6	16.77	74.69	7.1	33.62	8.1	24.5	1.70
	18 Nov 2019	7	16.76	74.85	6.9	33.62	8.1	24.5	1.60
	18 Nov 2019	8	16.65	75.51	6.5	33.63	8.0	24.5	1.24
	18 Nov 2019	9	16.36	75.12	5.7	33.63	8.0	24.6	0.88
	18 Nov 2019	10	16.17	69.91	5.3	33.61	7.9	24.6	0.74
	25 Nov 2019	1	16.93	64.48	6.5	33.58	8.0	24.4	0.61
C5	25 Nov 2019	2	16.92	65.44	6.5	33.58	8.0	24.4	0.62
	25 Nov 2019	3	16.91	67.28	6.5	33.58	8.0	24.4	0.65
	25 Nov 2019	4	16.90	68.09	6.5	33.58	8.0	24.4	0.65
	25 Nov 2019	5	16.90	68.04	6.5	33.58	8.0	24.4	0.66
	25 Nov 2019	6	16.88	70.26	6.5	33.58	8.0	24.5	0.66
	25 Nov 2019	7	16.83	69.22	6.4	33.58	8.0	24.5	0.63
	25 Nov 2019	8	16.74	47.15	6.3	33.57	8.0	24.5	0.70
	25 Nov 2019	9	16.70	29.25	6.3	33.57	8.0	24.5	0.73
	25 Nov 2019	10	16.58	34.79	6.2	33.56	8.0	24.5	0.83
	25 Nov 2019	11	16.61	6.51	6.2	33.55	8.0	24.5	1.18
C6	04 Nov 2019	1	17.22	81.24	8.2	33.62	8.1	24.4	1.03
	04 Nov 2019	2	17.19	81.02	8.2	33.62	8.1	24.4	1.12
	04 Nov 2019	3	17.17	80.77	8.3	33.62	8.1	24.4	1.36
	04 Nov 2019	4	17.15	81.06	8.3	33.62	8.1	24.4	1.51
	04 Nov 2019	5	17.13	81.01	8.2	33.62	8.1	24.4	1.76
	04 Nov 2019	6	17.09	80.23	8.1	33.62	8.1	24.4	2.32
	04 Nov 2019	7	17.00	80.00	7.8	33.62	8.1	24.5	2.48
	04 Nov 2019	8	16.91	80.79	6.7	33.61	8.0	24.5	1.46
	04 Nov 2019	9	16.91	82.32	6.5	33.61	8.0	24.5	0.63
	04 Nov 2019	10	16.91	81.91	6.5	33.61	8.0	24.5	0.49
C6	12 Nov 2019	1	17.98	77.91	7.4	33.64	8.1	24.2	1.02
	12 Nov 2019	2	17.95	77.79	7.4	33.64	8.1	24.2	1.06
	12 Nov 2019	3	17.94	77.84	7.4	33.64	8.1	24.2	1.18
	12 Nov 2019	4	17.92	77.72	7.4	33.64	8.1	24.3	1.25
	12 Nov 2019	5	17.76	78.36	7.2	33.64	8.1	24.3	1.20
	12 Nov 2019	6	17.51	80.21	6.8	33.63	8.1	24.3	0.95
	12 Nov 2019	7	17.39	80.86	6.4	33.62	8.0	24.4	0.70
	12 Nov 2019	8	17.22	80.59	6.0	33.63	8.0	24.4	0.56
	12 Nov 2019	9	17.13	79.26	5.8	33.62	8.0	24.4	0.47
	12 Nov 2019	10	17.04	76.93	5.9	33.62	8.0	24.4	0.45
C6	18 Nov 2019	1	16.86	78.01	7.7	33.62	8.1	24.5	1.46
	18 Nov 2019	2	16.85	77.91	7.7	33.62	8.1	24.5	1.49
	18 Nov 2019	3	16.84	77.72	7.7	33.62	8.1	24.5	1.58
	18 Nov 2019	4	16.85	77.70	7.7	33.62	8.1	24.5	1.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C6	18 Nov 2019	5	16.83	77.83	7.6	33.62	8.1	24.5	1.64
C6	18 Nov 2019	6	16.80	77.75	7.4	33.62	8.1	24.5	1.69
C6	18 Nov 2019	7	16.72	77.44	7.1	33.62	8.1	24.5	1.57
C6	18 Nov 2019	8	16.68	76.09	6.8	33.61	8.1	24.5	1.35
C6	25 Nov 2019	1	16.80	74.26	6.6	33.57	8.0	24.5	0.65
C6	25 Nov 2019	2	16.81	74.14	6.6	33.58	8.0	24.5	0.66
C6	25 Nov 2019	3	16.80	74.12	6.6	33.58	8.0	24.5	0.68
C6	25 Nov 2019	4	16.80	73.85	6.6	33.58	8.0	24.5	0.70
C6	25 Nov 2019	5	16.80	74.16	6.6	33.57	8.0	24.5	0.70
C6	25 Nov 2019	6	16.80	74.62	6.7	33.57	8.0	24.5	0.73
C6	25 Nov 2019	7	16.77	74.63	6.6	33.58	8.0	24.5	0.71
C6	25 Nov 2019	8	16.67	74.71	6.4	33.57	8.0	24.5	0.70
C6	25 Nov 2019	9	16.62	73.30	6.3	33.56	8.0	24.5	0.65
C7	04 Nov 2019	1	17.11	80.58	8.7	33.62	8.1	24.4	1.34
C7	04 Nov 2019	2	17.11	80.56	8.7	33.62	8.1	24.4	1.36
C7	04 Nov 2019	3	17.10	80.66	8.7	33.62	8.1	24.4	1.45
C7	04 Nov 2019	4	17.09	80.61	8.7	33.62	8.1	24.4	1.59
C7	04 Nov 2019	5	17.07	80.60	8.8	33.62	8.1	24.4	1.78
C7	04 Nov 2019	6	17.06	80.57	8.8	33.62	8.1	24.4	1.90
C7	04 Nov 2019	7	17.05	80.49	8.8	33.62	8.1	24.4	2.08
C7	04 Nov 2019	8	17.02	80.47	8.7	33.62	8.1	24.4	2.20
C7	04 Nov 2019	9	16.99	80.22	8.7	33.62	8.1	24.5	2.49
C7	04 Nov 2019	10	16.98	80.01	8.7	33.62	8.1	24.5	2.59
C7	04 Nov 2019	11	16.95	79.87	8.6	33.62	8.1	24.5	2.76
C7	04 Nov 2019	12	16.92	79.56	8.5	33.61	8.1	24.5	2.99
C7	04 Nov 2019	13	16.90	79.37	8.4	33.61	8.1	24.5	3.24
C7	04 Nov 2019	14	16.82	79.22	8.1	33.62	8.1	24.5	3.54
C7	04 Nov 2019	15	16.69	79.17	7.9	33.61	8.1	24.5	3.76
C7	04 Nov 2019	16	16.58	79.68	7.7	33.61	8.1	24.5	3.44
C7	04 Nov 2019	17	16.40	80.87	7.3	33.62	8.1	24.6	2.49
C7	04 Nov 2019	18	16.03	83.27	7.1	33.60	8.0	24.7	0.95
C7	12 Nov 2019	1	17.73	81.46	8.1	33.62	8.1	24.3	1.37
C7	12 Nov 2019	2	17.72	82.03	8.1	33.62	8.1	24.3	1.48
C7	12 Nov 2019	3	17.70	82.04	8.1	33.62	8.1	24.3	1.68
C7	12 Nov 2019	4	17.53	81.96	7.8	33.64	8.1	24.3	1.85
C7	12 Nov 2019	5	17.01	81.44	7.6	33.63	8.1	24.5	2.30
C7	12 Nov 2019	6	16.90	81.94	7.6	33.62	8.1	24.5	2.22
C7	12 Nov 2019	7	16.79	82.01	7.6	33.61	8.1	24.5	2.22
C7	12 Nov 2019	8	16.76	82.05	7.5	33.61	8.1	24.5	2.31
C7	12 Nov 2019	9	16.74	82.31	7.5	33.61	8.1	24.5	2.21
C7	12 Nov 2019	10	16.65	81.97	7.6	33.60	8.1	24.5	2.34
C7	12 Nov 2019	11	16.59	81.93	7.7	33.60	8.1	24.5	2.32
C7	12 Nov 2019	12	16.57	81.85	7.7	33.59	8.1	24.5	2.31
C7	12 Nov 2019	13	16.55	81.94	7.7	33.60	8.1	24.5	2.26
C7	12 Nov 2019	14	16.55	82.10	7.6	33.60	8.1	24.5	2.12
C7	12 Nov 2019	15	16.51	82.75	7.4	33.60	8.1	24.6	1.89
C7	12 Nov 2019	16	16.49	83.52	7.3	33.60	8.1	24.6	1.41
C7	12 Nov 2019	17	16.48	84.25	7.2	33.60	8.1	24.6	1.12
C7	12 Nov 2019	18	16.47	84.41	7.2	33.60	8.1	24.6	0.89
C7	12 Nov 2019	19	16.48	84.54	7.1	33.60	8.0	24.6	0.81
C7	18 Nov 2019	1	16.60	82.03	7.8	33.60	8.1	24.5	1.27
C7	18 Nov 2019	2	16.56	81.99	7.8	33.60	8.1	24.5	1.42
C7	18 Nov 2019	3	16.51	81.58	7.8	33.59	8.1	24.5	1.66
C7	18 Nov 2019	4	16.47	81.39	7.8	33.59	8.1	24.6	1.74
C7	18 Nov 2019	5	16.45	81.57	7.7	33.58	8.1	24.6	1.81
C7	18 Nov 2019	6	16.25	82.05	7.7	33.59	8.1	24.6	1.88
C7	18 Nov 2019	7	16.14	82.78	7.7	33.57	8.1	24.6	1.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	18 Nov 2019	8	16.12	82.87	7.7	33.56	8.1	24.6	1.87
C7	18 Nov 2019	9	16.05	82.90	7.8	33.56	8.1	24.6	2.00
C7	18 Nov 2019	10	15.99	82.45	7.8	33.55	8.1	24.6	2.18
C7	18 Nov 2019	11	15.92	82.26	7.7	33.55	8.1	24.7	2.23
C7	18 Nov 2019	12	15.83	81.83	7.7	33.55	8.1	24.7	2.31
C7	18 Nov 2019	13	15.76	81.97	7.7	33.55	8.1	24.7	2.31
C7	18 Nov 2019	14	15.72	82.16	7.5	33.55	8.1	24.7	2.27
C7	18 Nov 2019	15	15.71	82.36	7.4	33.56	8.1	24.7	2.02
C7	18 Nov 2019	16	15.62	82.98	7.2	33.57	8.1	24.7	1.53
C7	18 Nov 2019	17	15.34	83.95	6.8	33.59	8.1	24.8	1.07
C7	18 Nov 2019	18	15.06	83.78	6.7	33.60	8.0	24.9	0.82
C7	25 Nov 2019	1	16.69	80.81	8.1	33.54	8.1	24.5	1.80
C7	25 Nov 2019	2	16.69	81.08	8.1	33.54	8.1	24.5	1.83
C7	25 Nov 2019	3	16.69	81.11	8.1	33.54	8.1	24.5	1.92
C7	25 Nov 2019	4	16.69	80.93	8.0	33.54	8.1	24.5	2.00
C7	25 Nov 2019	5	16.69	80.86	8.0	33.54	8.1	24.5	2.11
C7	25 Nov 2019	6	16.69	81.04	8.1	33.54	8.1	24.5	2.11
C7	25 Nov 2019	7	16.68	81.02	8.0	33.54	8.1	24.5	2.27
C7	25 Nov 2019	8	16.68	80.93	8.0	33.54	8.1	24.5	2.16
C7	25 Nov 2019	9	16.64	81.10	8.0	33.54	8.1	24.5	2.18
C7	25 Nov 2019	10	16.58	81.36	8.0	33.54	8.1	24.5	2.28
C7	25 Nov 2019	11	16.57	81.50	7.9	33.54	8.1	24.5	2.28
C7	25 Nov 2019	12	16.55	81.58	7.9	33.54	8.1	24.5	2.17
C7	25 Nov 2019	13	16.53	81.69	7.8	33.54	8.1	24.5	2.11
C7	25 Nov 2019	14	16.49	81.75	7.7	33.55	8.1	24.5	1.89
C7	25 Nov 2019	15	16.43	81.89	7.6	33.55	8.1	24.5	1.73
C7	25 Nov 2019	16	16.36	82.07	7.5	33.55	8.1	24.6	1.51
C7	25 Nov 2019	17	16.13	82.25	7.3	33.57	8.1	24.6	1.48
C7	25 Nov 2019	18	15.71	82.45	7.2	33.58	8.1	24.7	1.16
C7	25 Nov 2019	19	15.71	81.26	7.3	33.55	8.1	24.7	0.92
C8	04 Nov 2019	1	17.17	80.81	8.3	33.63	8.1	24.4	1.62
C8	04 Nov 2019	2	17.16	80.69	8.3	33.63	8.1	24.4	1.82
C8	04 Nov 2019	3	17.15	80.61	8.2	33.63	8.1	24.4	1.95
C8	04 Nov 2019	4	17.14	80.65	8.2	33.63	8.1	24.4	2.03
C8	04 Nov 2019	5	17.13	80.58	8.2	33.63	8.1	24.4	2.11
C8	04 Nov 2019	6	17.13	80.51	8.2	33.63	8.1	24.4	2.19
C8	04 Nov 2019	7	17.13	80.53	8.2	33.63	8.1	24.4	2.13
C8	04 Nov 2019	8	17.12	80.46	8.2	33.63	8.1	24.4	2.32
C8	04 Nov 2019	9	17.12	80.30	8.2	33.63	8.1	24.4	2.44
C8	04 Nov 2019	10	17.11	80.16	8.2	33.63	8.1	24.4	2.56
C8	04 Nov 2019	11	17.11	80.12	8.2	33.63	8.1	24.4	2.64
C8	04 Nov 2019	12	17.06	80.04	8.2	33.63	8.1	24.5	2.89
C8	04 Nov 2019	13	16.96	79.52	8.2	33.62	8.1	24.5	3.32
C8	04 Nov 2019	14	16.90	79.15	8.1	33.62	8.1	24.5	3.58
C8	04 Nov 2019	15	16.81	79.12	8.2	33.62	8.1	24.5	3.59
C8	04 Nov 2019	16	16.69	79.65	8.0	33.62	8.1	24.5	3.47
C8	04 Nov 2019	17	16.45	80.44	7.6	33.62	8.1	24.6	2.96
C8	04 Nov 2019	18	16.30	82.50	7.5	33.61	8.1	24.6	1.80
C8	04 Nov 2019	19	16.19	83.55	7.4	33.60	8.0	24.6	1.17
C8	12 Nov 2019	1	17.78	78.43	8.1	33.63	8.1	24.3	2.01
C8	12 Nov 2019	2	17.77	78.51	8.1	33.63	8.1	24.3	2.17
C8	12 Nov 2019	3	17.60	78.16	8.1	33.63	8.1	24.3	2.86
C8	12 Nov 2019	4	17.46	78.74	8.1	33.62	8.1	24.3	3.28
C8	12 Nov 2019	5	17.34	79.67	8.0	33.62	8.1	24.4	3.06
C8	12 Nov 2019	6	17.29	79.83	7.9	33.62	8.1	24.4	2.67
C8	12 Nov 2019	7	17.12	80.38	7.8	33.62	8.1	24.4	2.22
C8	12 Nov 2019	8	16.92	81.37	7.6	33.62	8.1	24.5	2.04
C8	12 Nov 2019	9	16.72	81.60	7.5	33.61	8.1	24.5	2.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	12 Nov 2019	10	16.66	82.45	7.4	33.60	8.1	24.5	1.71
C8	12 Nov 2019	11	16.61	83.12	7.4	33.61	8.1	24.5	1.41
C8	12 Nov 2019	12	16.57	83.46	7.3	33.60	8.1	24.5	1.08
C8	12 Nov 2019	13	16.57	83.48	7.3	33.60	8.1	24.5	1.00
C8	12 Nov 2019	14	16.55	83.61	7.3	33.60	8.1	24.5	0.91
C8	12 Nov 2019	15	16.55	83.57	7.3	33.60	8.1	24.5	0.90
C8	12 Nov 2019	16	16.54	83.46	7.3	33.60	8.1	24.6	0.88
C8	12 Nov 2019	17	16.55	83.42	7.3	33.60	8.1	24.5	0.89
C8	12 Nov 2019	18	16.55	83.34	7.3	33.60	8.1	24.6	0.87
C8	12 Nov 2019	19	16.55	83.24	7.2	33.60	8.1	24.6	0.83
C8	12 Nov 2019	20	16.55	83.41	7.2	33.60	8.1	24.5	0.90
C8	18 Nov 2019	1	16.55	80.14	7.8	33.60	8.1	24.5	1.72
C8	18 Nov 2019	2	16.53	80.00	7.8	33.60	8.1	24.5	1.85
C8	18 Nov 2019	3	16.52	80.46	7.8	33.59	8.1	24.5	1.94
C8	18 Nov 2019	4	16.50	80.64	7.8	33.59	8.1	24.6	2.09
C8	18 Nov 2019	5	16.39	81.35	7.8	33.59	8.1	24.6	2.12
C8	18 Nov 2019	6	16.35	82.13	7.8	33.58	8.1	24.6	2.02
C8	18 Nov 2019	7	16.33	82.42	7.8	33.58	8.1	24.6	1.97
C8	18 Nov 2019	8	16.31	82.70	7.7	33.58	8.1	24.6	1.98
C8	18 Nov 2019	9	16.31	82.60	7.7	33.58	8.1	24.6	2.11
C8	18 Nov 2019	10	16.20	82.57	7.7	33.58	8.1	24.6	2.43
C8	18 Nov 2019	11	16.04	82.46	7.8	33.56	8.1	24.6	2.77
C8	18 Nov 2019	12	15.99	82.06	7.8	33.55	8.1	24.6	2.67
C8	18 Nov 2019	13	15.86	81.69	7.7	33.55	8.1	24.7	2.87
C8	18 Nov 2019	14	15.71	81.27	7.4	33.57	8.1	24.7	2.55
C8	18 Nov 2019	15	15.61	81.66	7.3	33.56	8.1	24.7	2.15
C8	18 Nov 2019	16	15.38	82.49	7.1	33.58	8.1	24.8	1.61
C8	18 Nov 2019	17	15.29	82.63	6.9	33.58	8.1	24.8	1.14
C8	18 Nov 2019	18	15.13	82.57	6.9	33.58	8.1	24.8	0.93
C8	18 Nov 2019	19	15.11	82.43	6.9	33.57	8.0	24.8	0.84
C8	25 Nov 2019	1	16.72	79.87	8.1	33.55	8.1	24.5	2.26
C8	25 Nov 2019	2	16.72	79.95	8.1	33.55	8.1	24.5	2.25
C8	25 Nov 2019	3	16.72	80.05	8.1	33.55	8.1	24.5	2.34
C8	25 Nov 2019	4	16.72	80.14	8.1	33.55	8.1	24.5	2.48
C8	25 Nov 2019	5	16.72	80.31	8.1	33.55	8.1	24.5	2.44
C8	25 Nov 2019	6	16.72	80.37	8.1	33.55	8.1	24.5	2.50
C8	25 Nov 2019	7	16.69	80.43	8.0	33.55	8.1	24.5	2.52
C8	25 Nov 2019	8	16.65	80.43	8.0	33.54	8.1	24.5	2.54
C8	25 Nov 2019	9	16.61	80.91	7.9	33.55	8.1	24.5	2.46
C8	25 Nov 2019	10	16.49	81.65	7.8	33.54	8.1	24.5	2.12
C8	25 Nov 2019	11	16.49	81.77	7.8	33.54	8.1	24.5	1.99
C8	25 Nov 2019	12	16.46	81.91	7.8	33.54	8.1	24.5	1.97
C8	25 Nov 2019	13	16.43	81.87	7.7	33.55	8.1	24.5	2.09
C8	25 Nov 2019	14	16.38	81.94	7.7	33.55	8.1	24.5	1.93
C8	25 Nov 2019	15	16.36	82.17	7.6	33.55	8.1	24.5	1.84
C8	25 Nov 2019	16	16.35	82.29	7.6	33.55	8.1	24.6	1.69
C8	25 Nov 2019	17	16.32	82.01	7.5	33.55	8.1	24.6	1.45
C8	25 Nov 2019	18	16.29	80.94	7.3	33.56	8.1	24.6	1.16
C8	25 Nov 2019	19	16.28	78.38	7.2	33.56	8.1	24.6	0.97
C8	25 Nov 2019	20	16.28	76.91	7.2	33.56	8.1	24.6	0.94

NA = not available

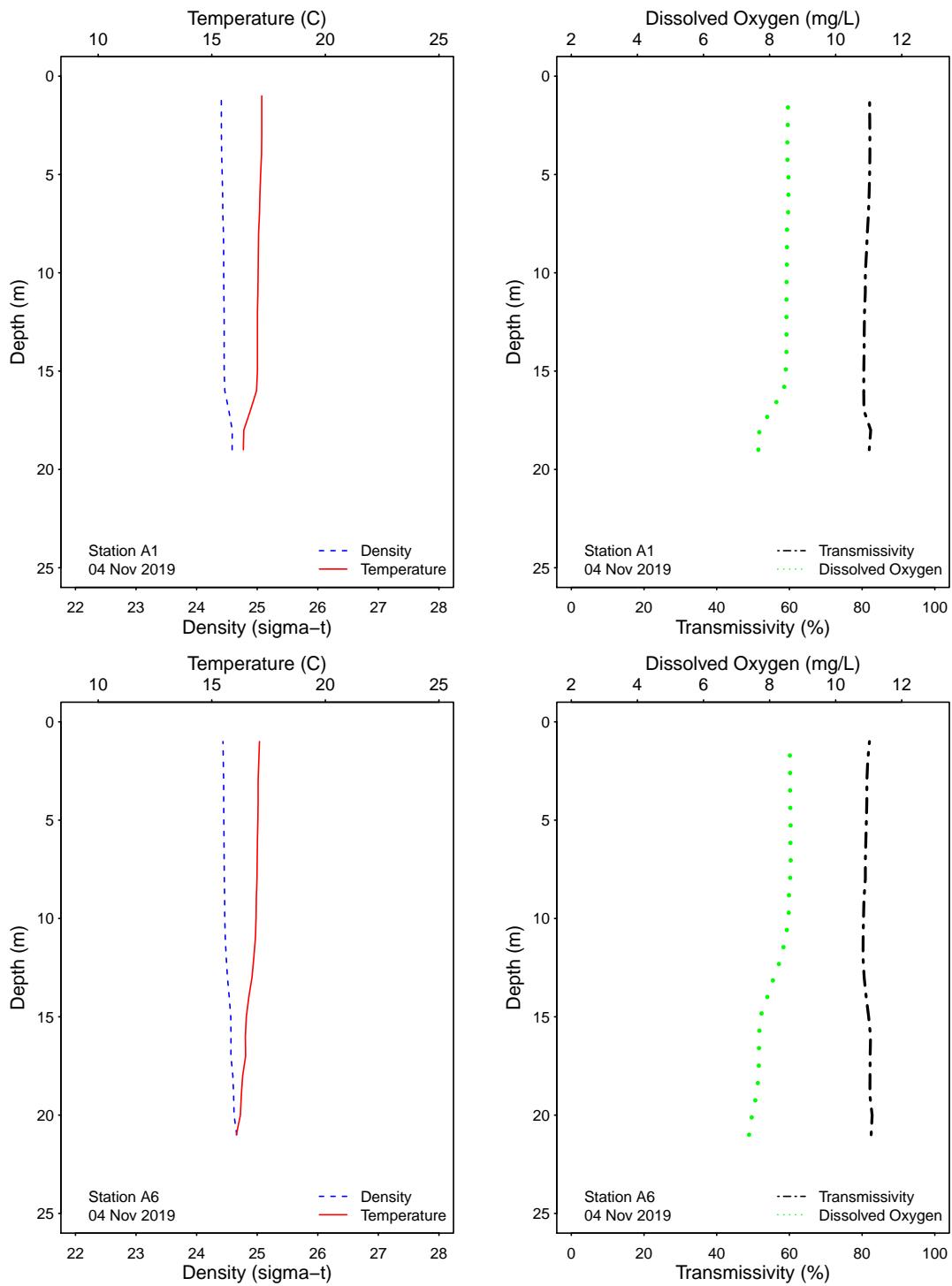


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

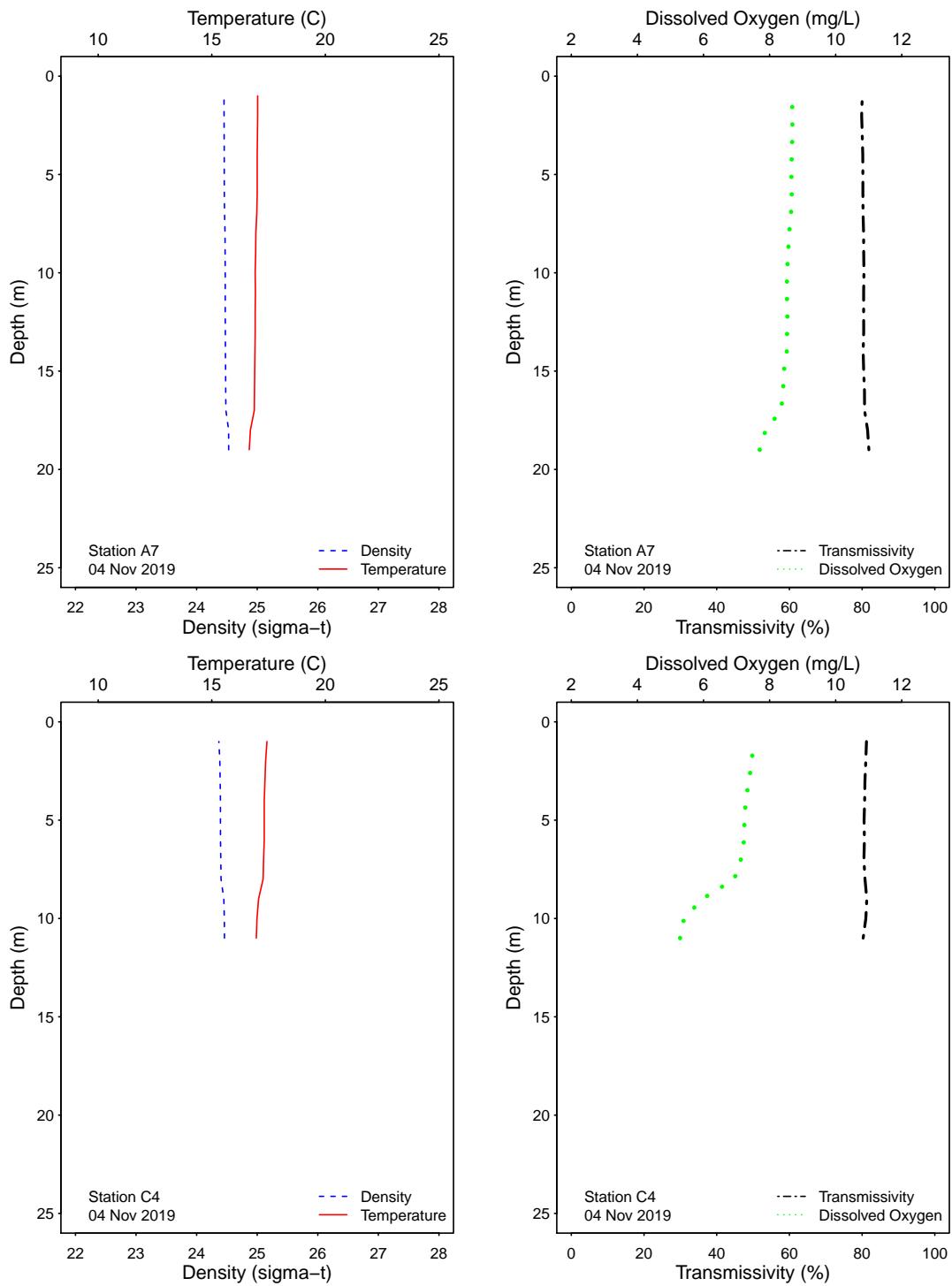


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

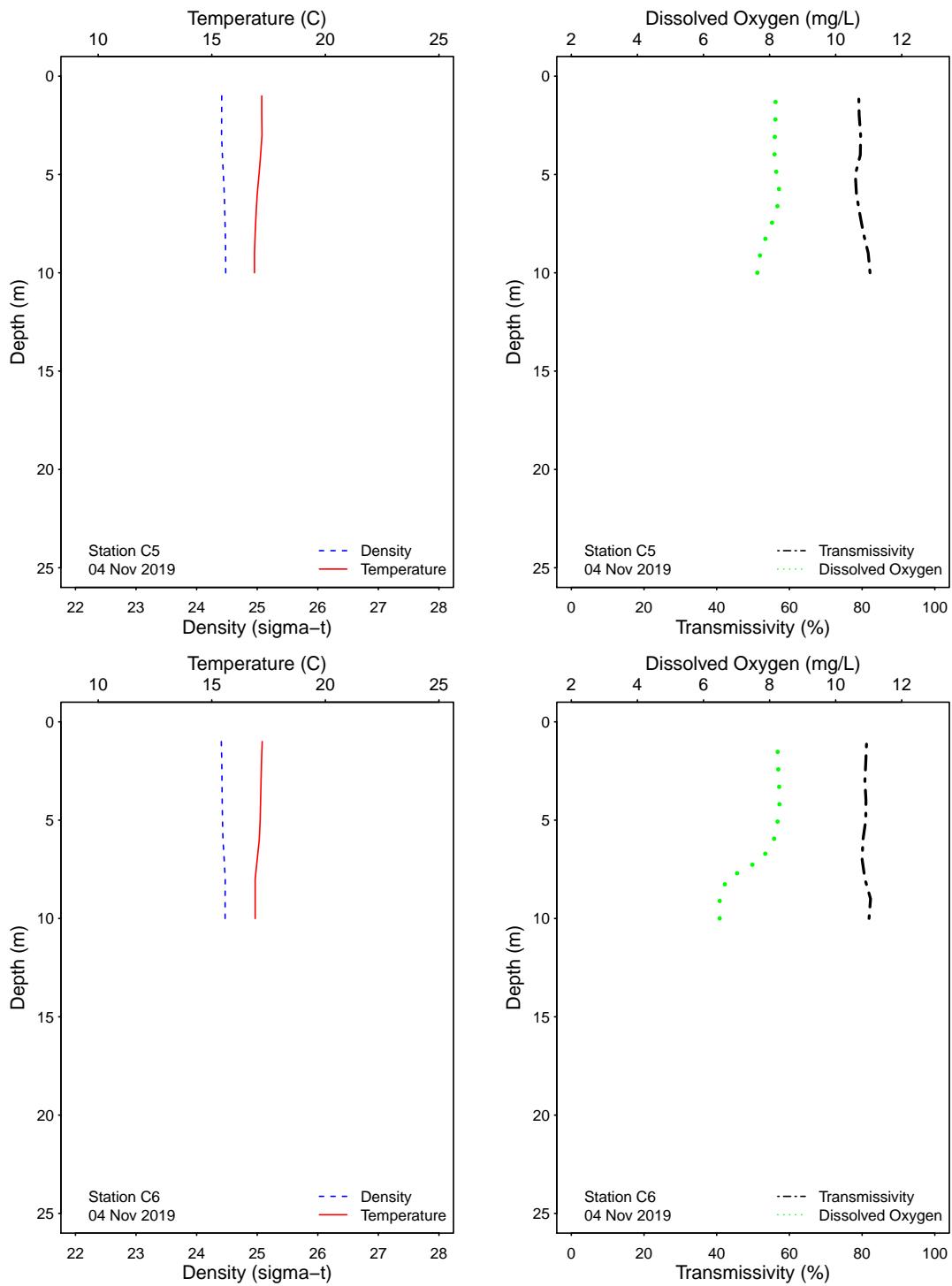


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

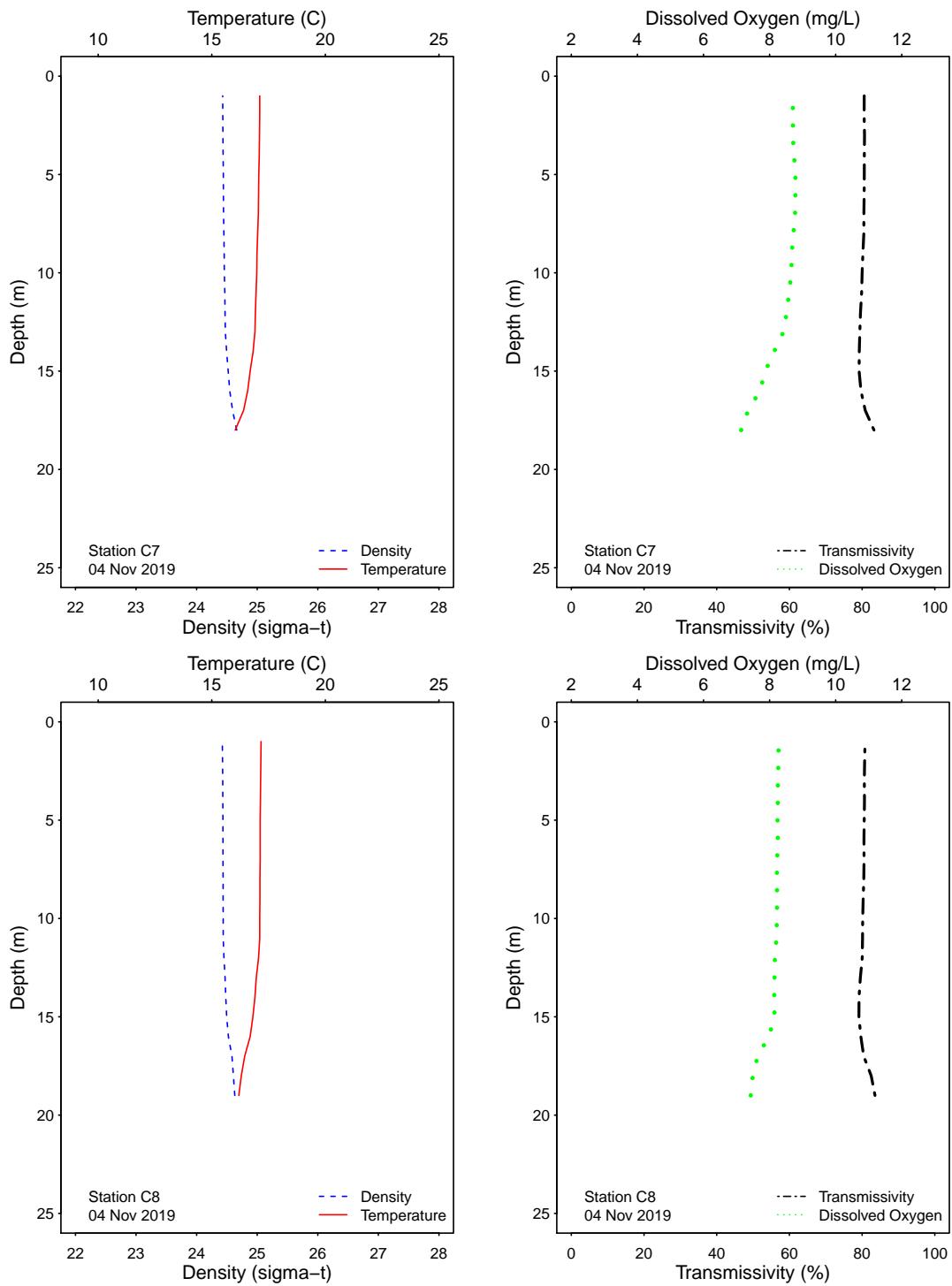


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

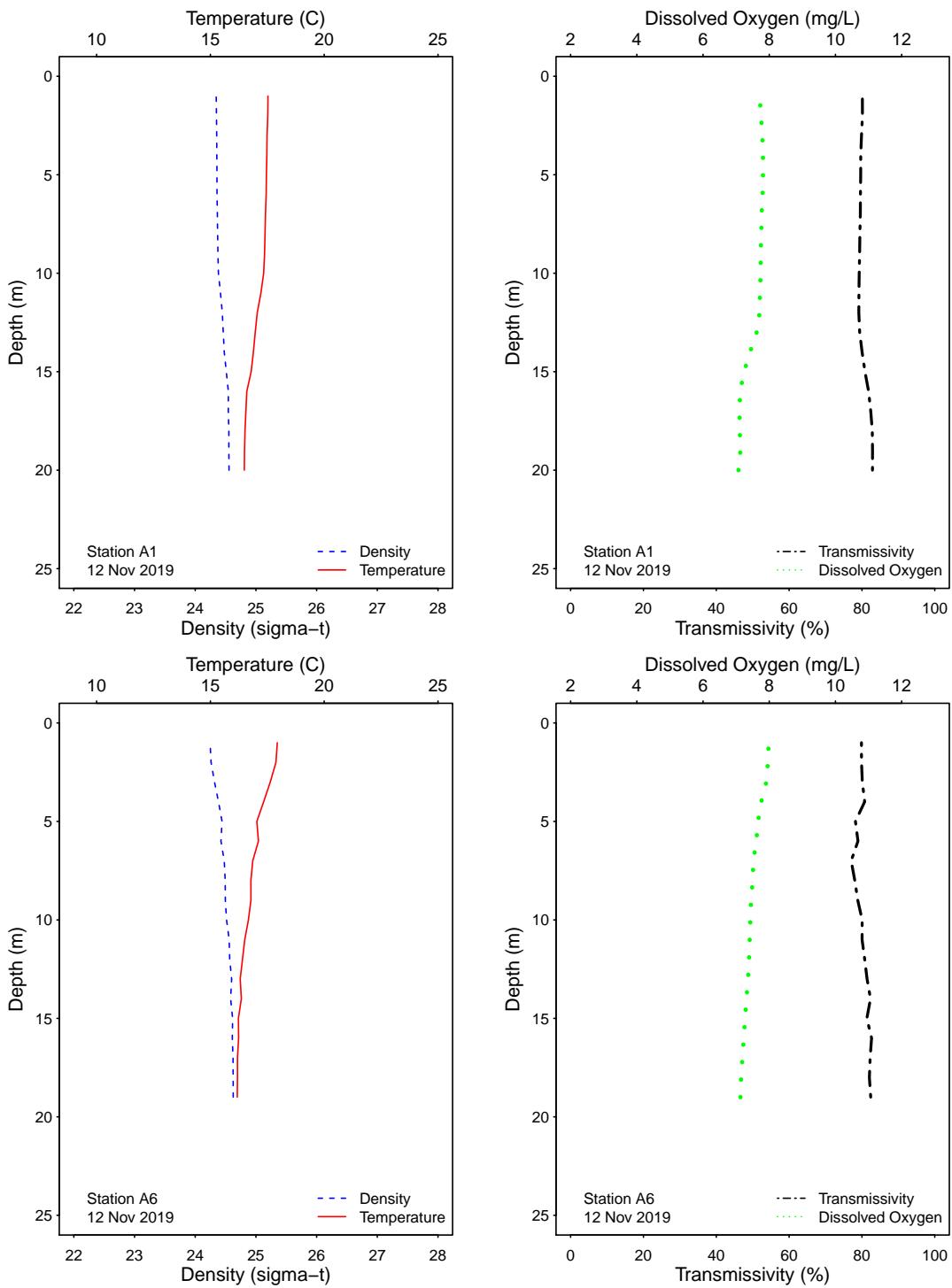


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

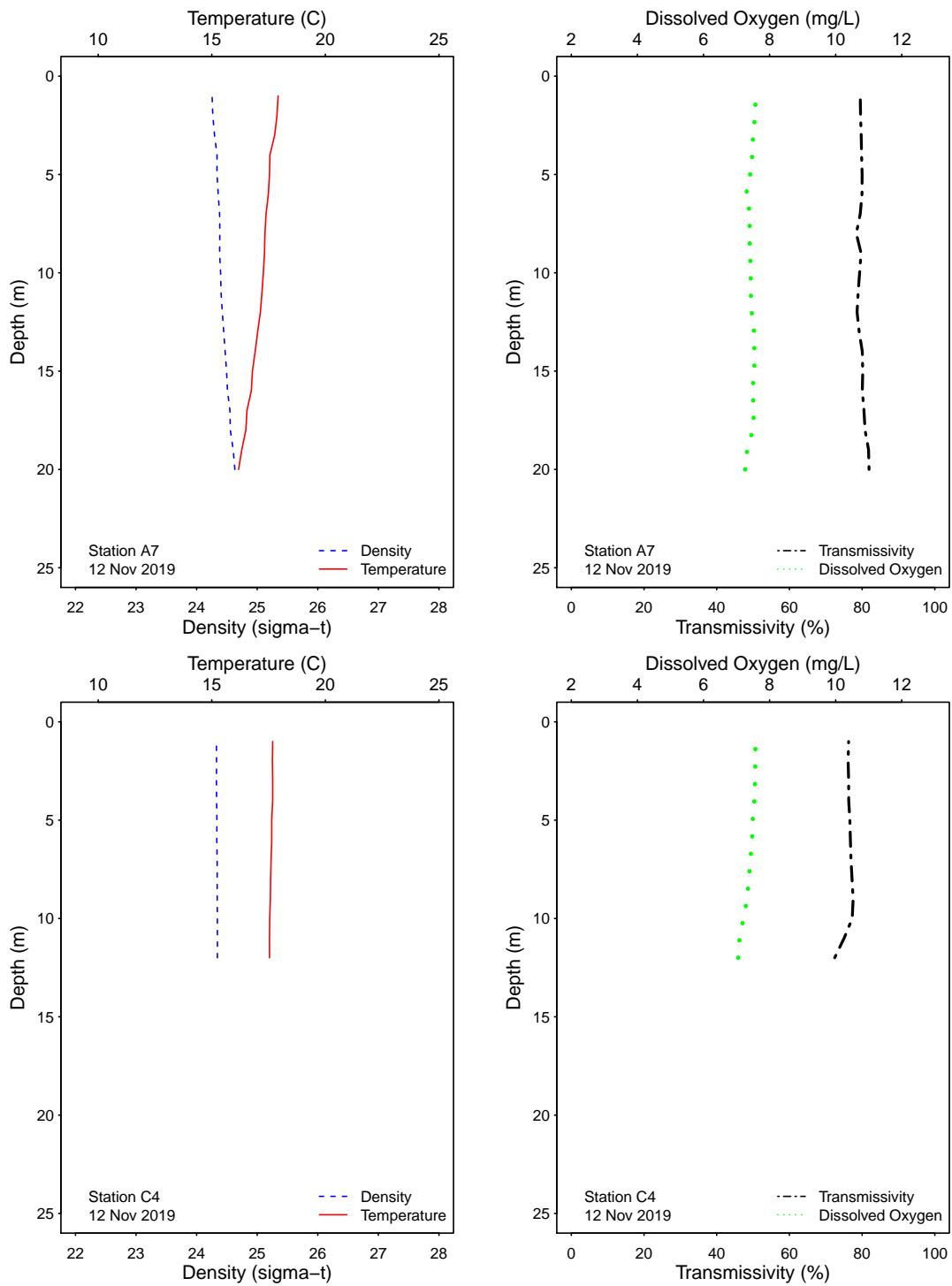


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

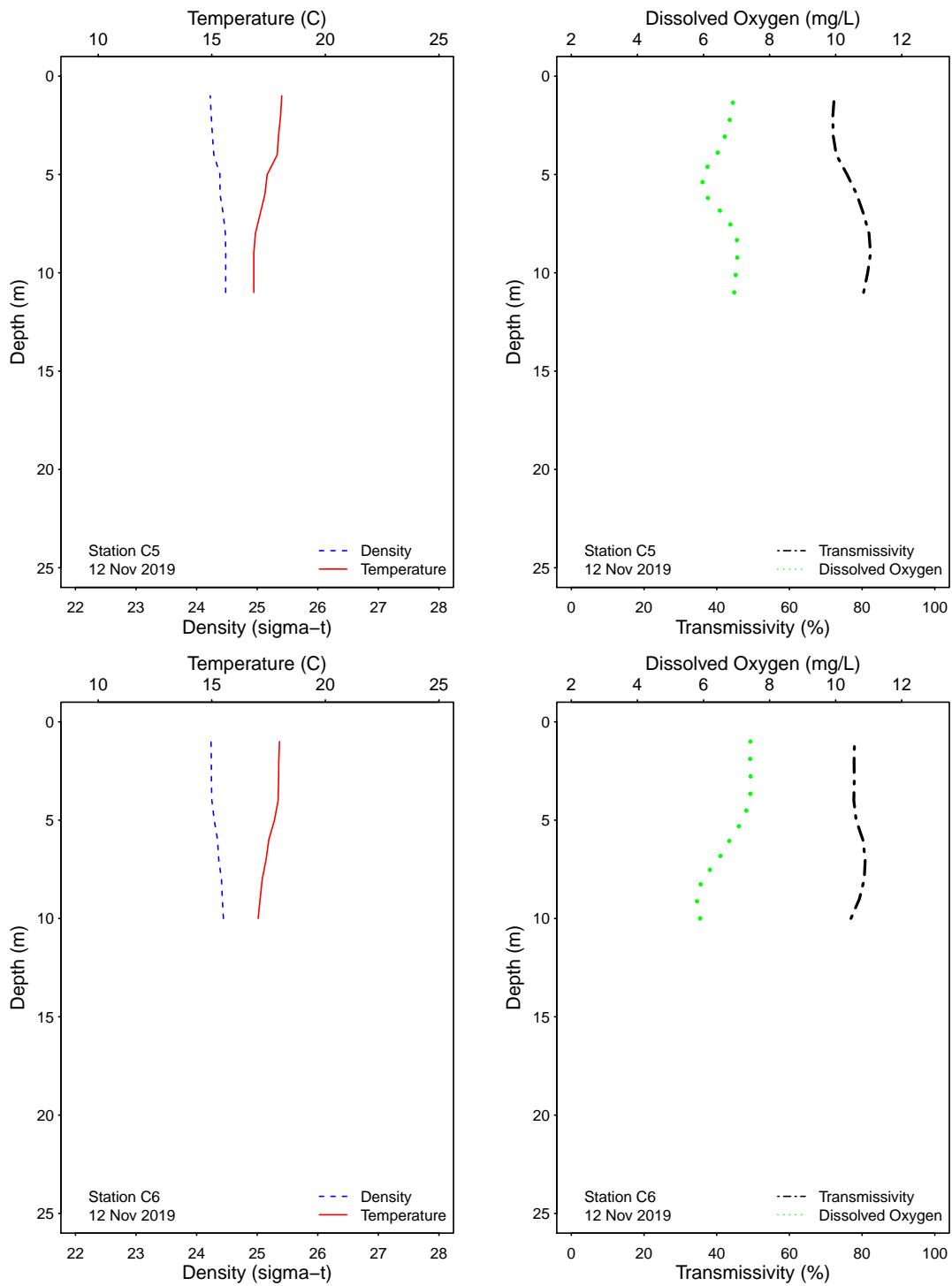


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

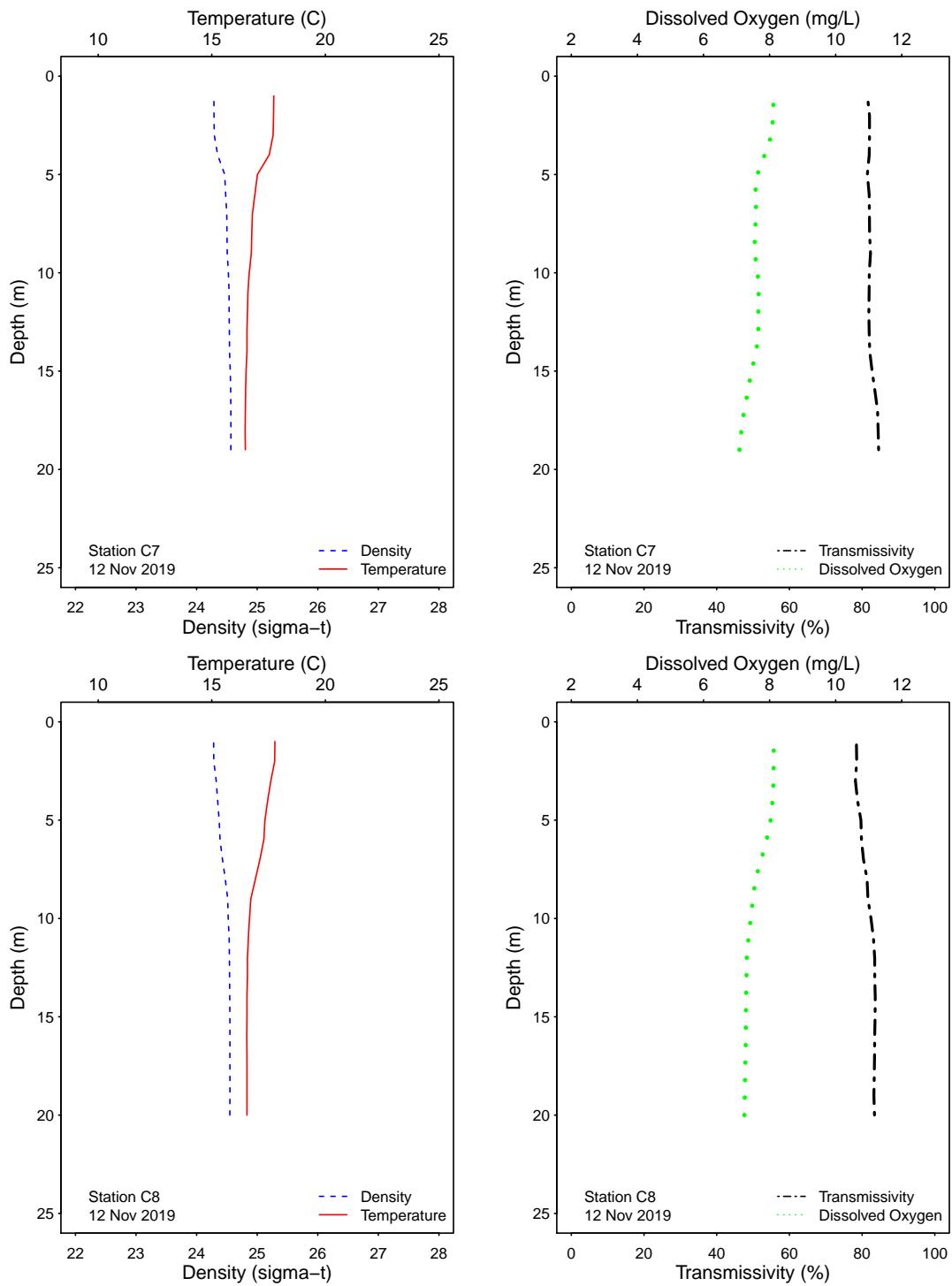


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

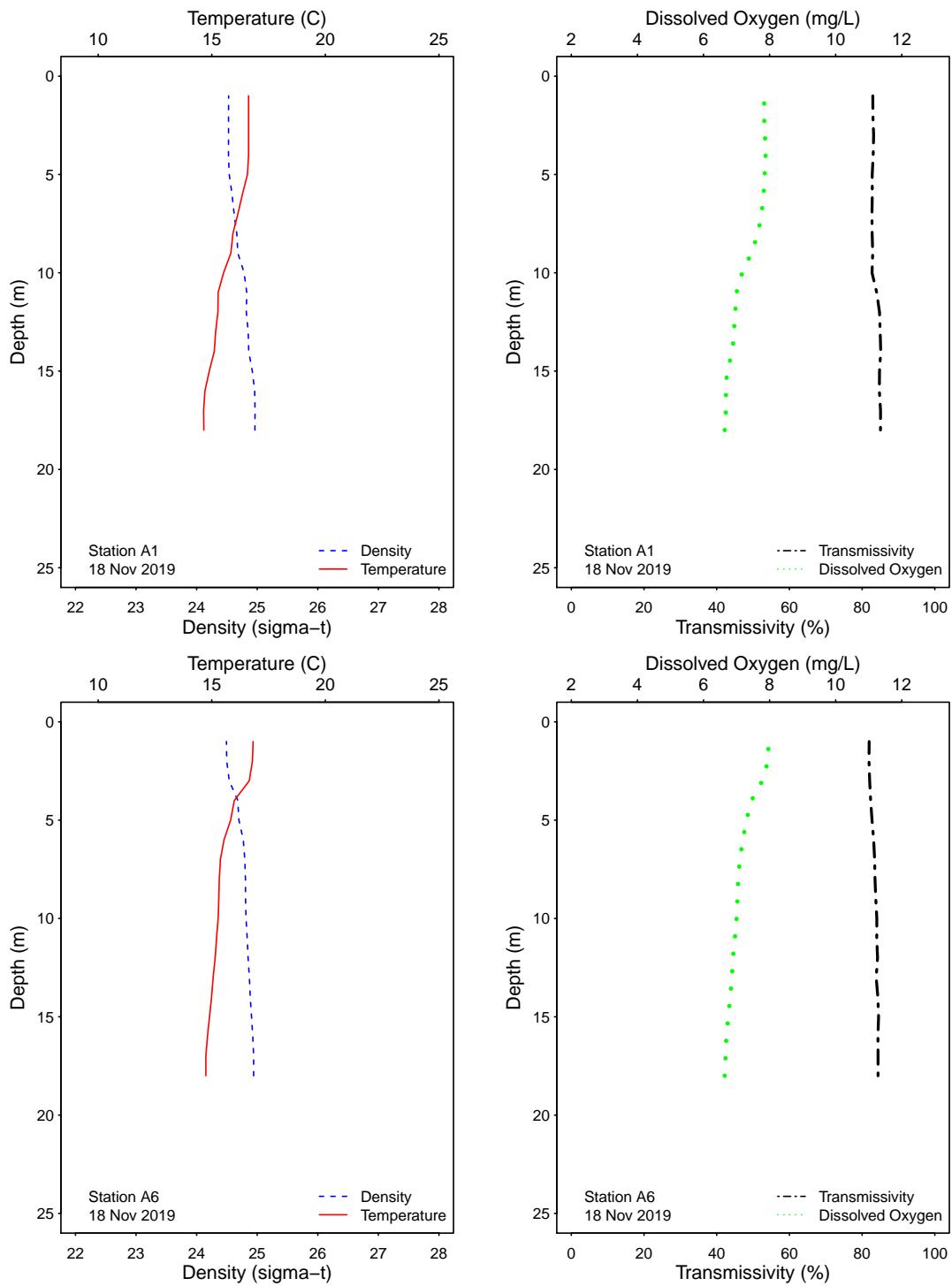


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

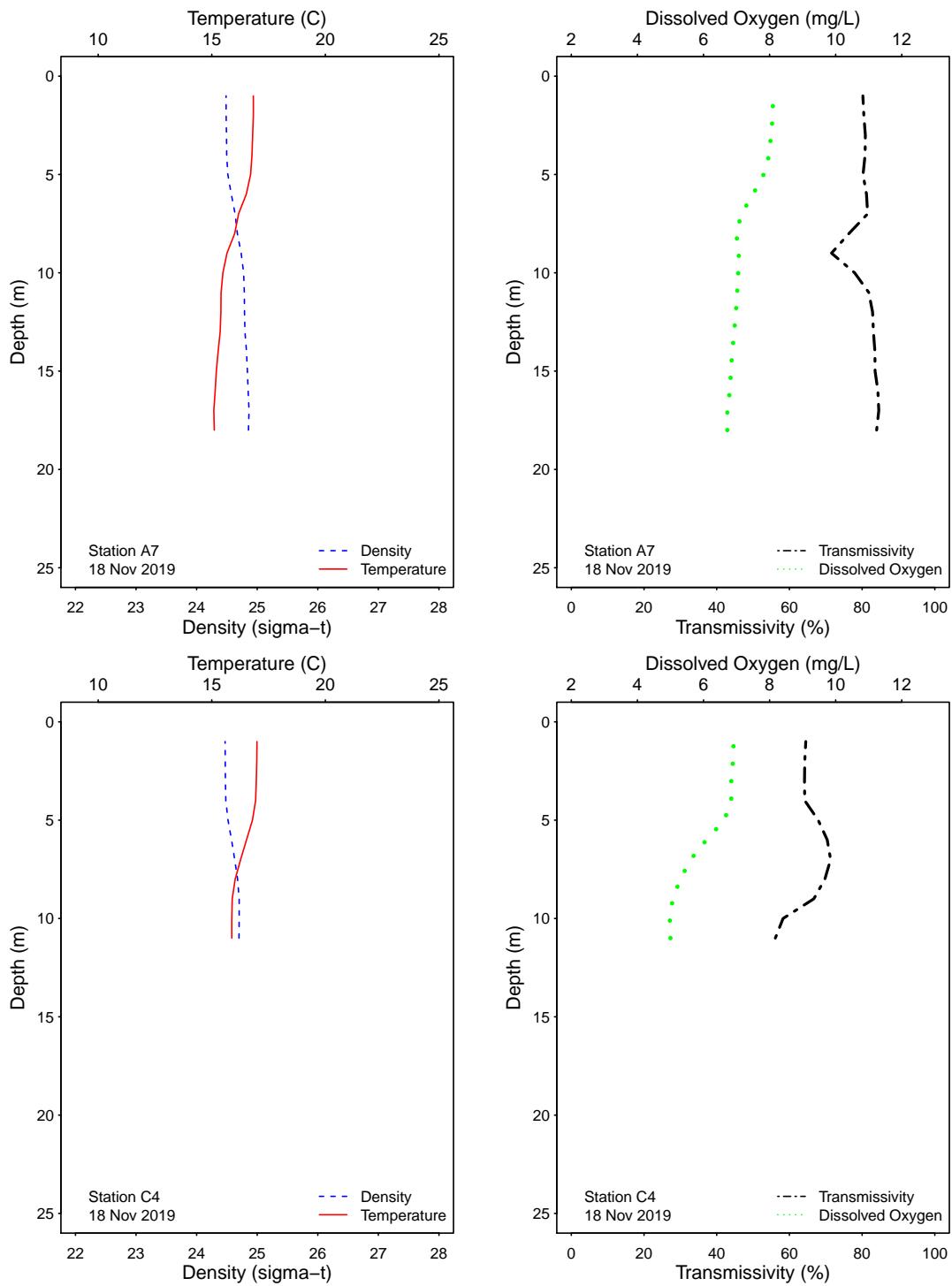


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

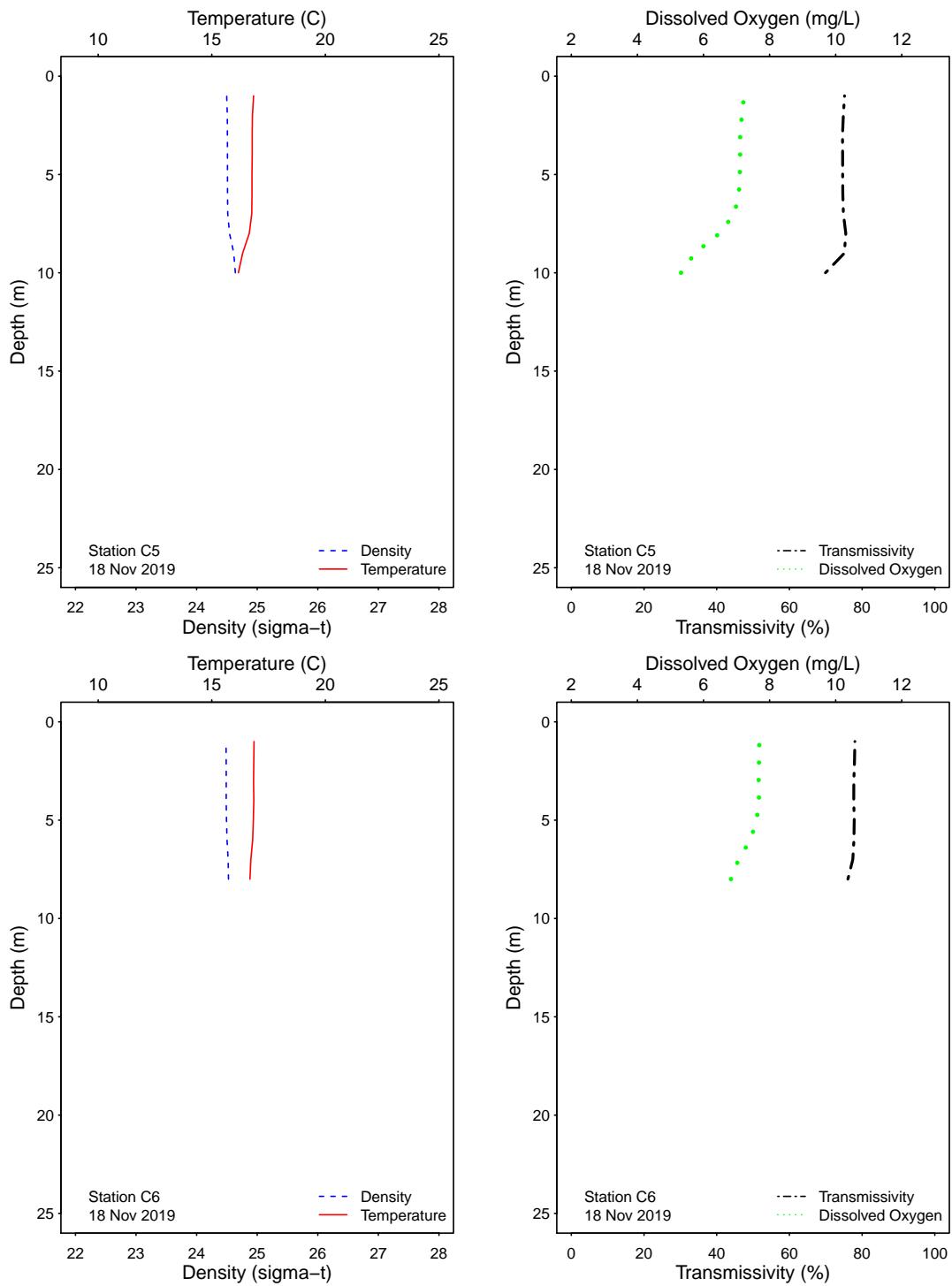


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

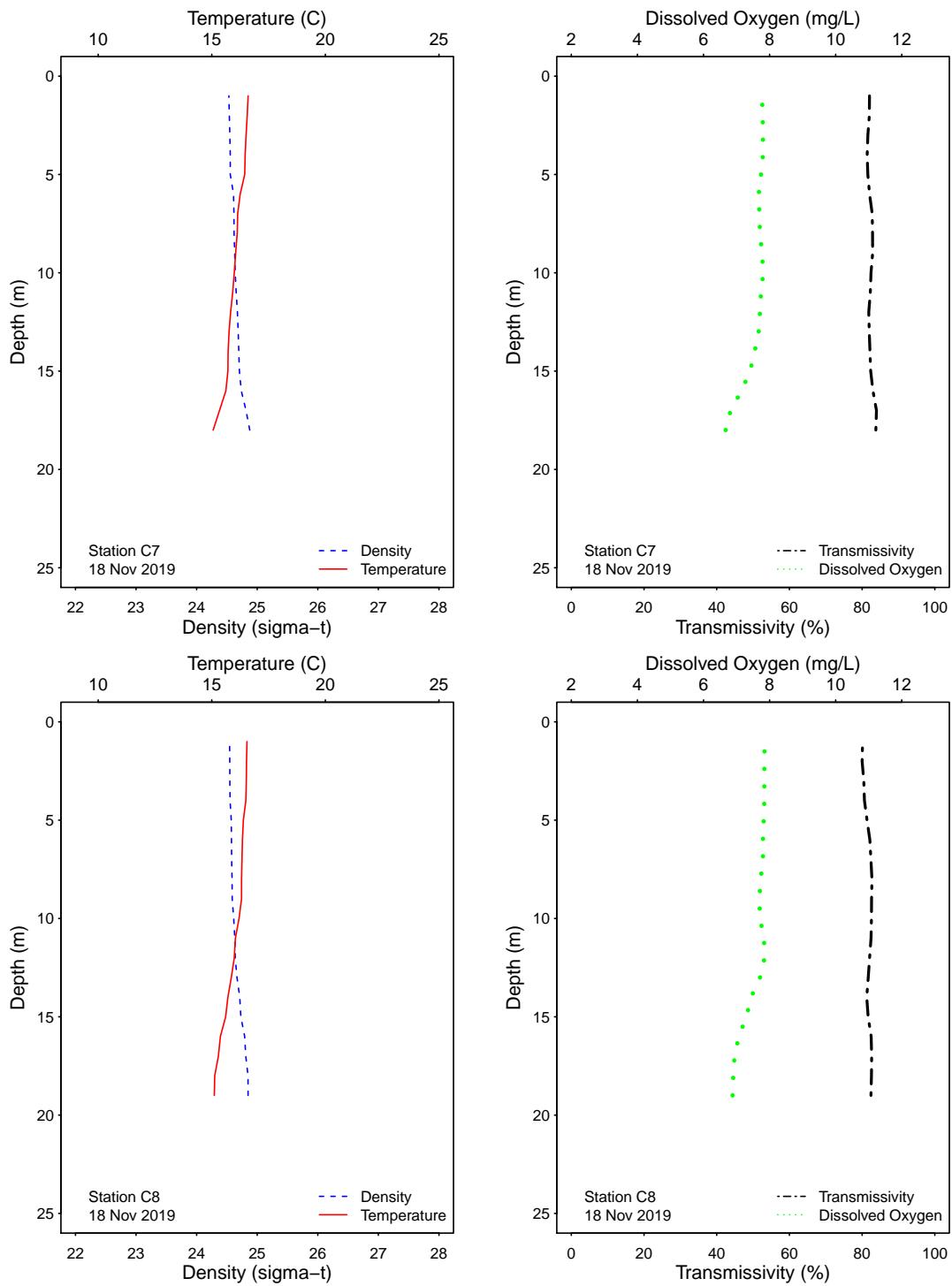


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

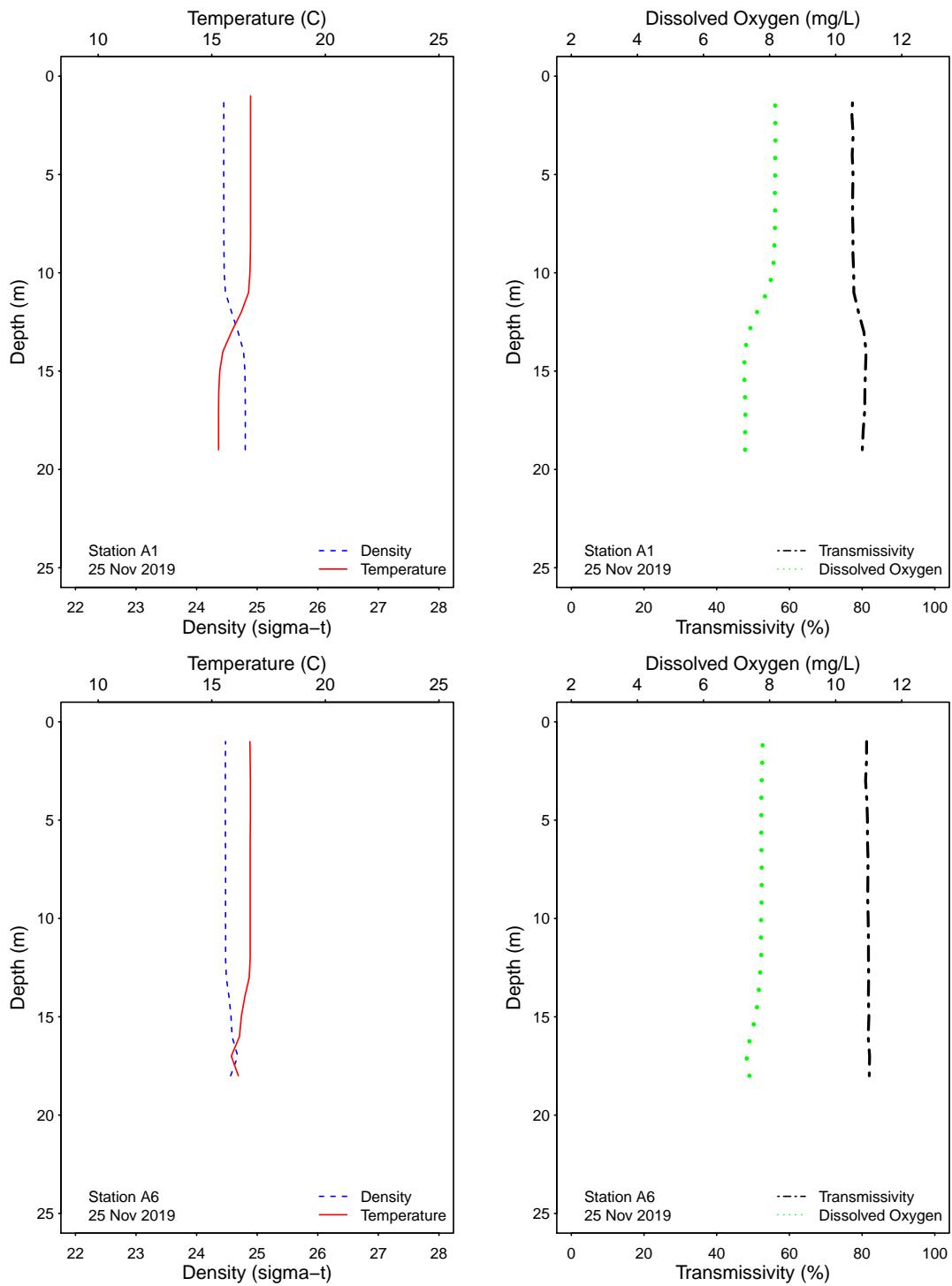


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

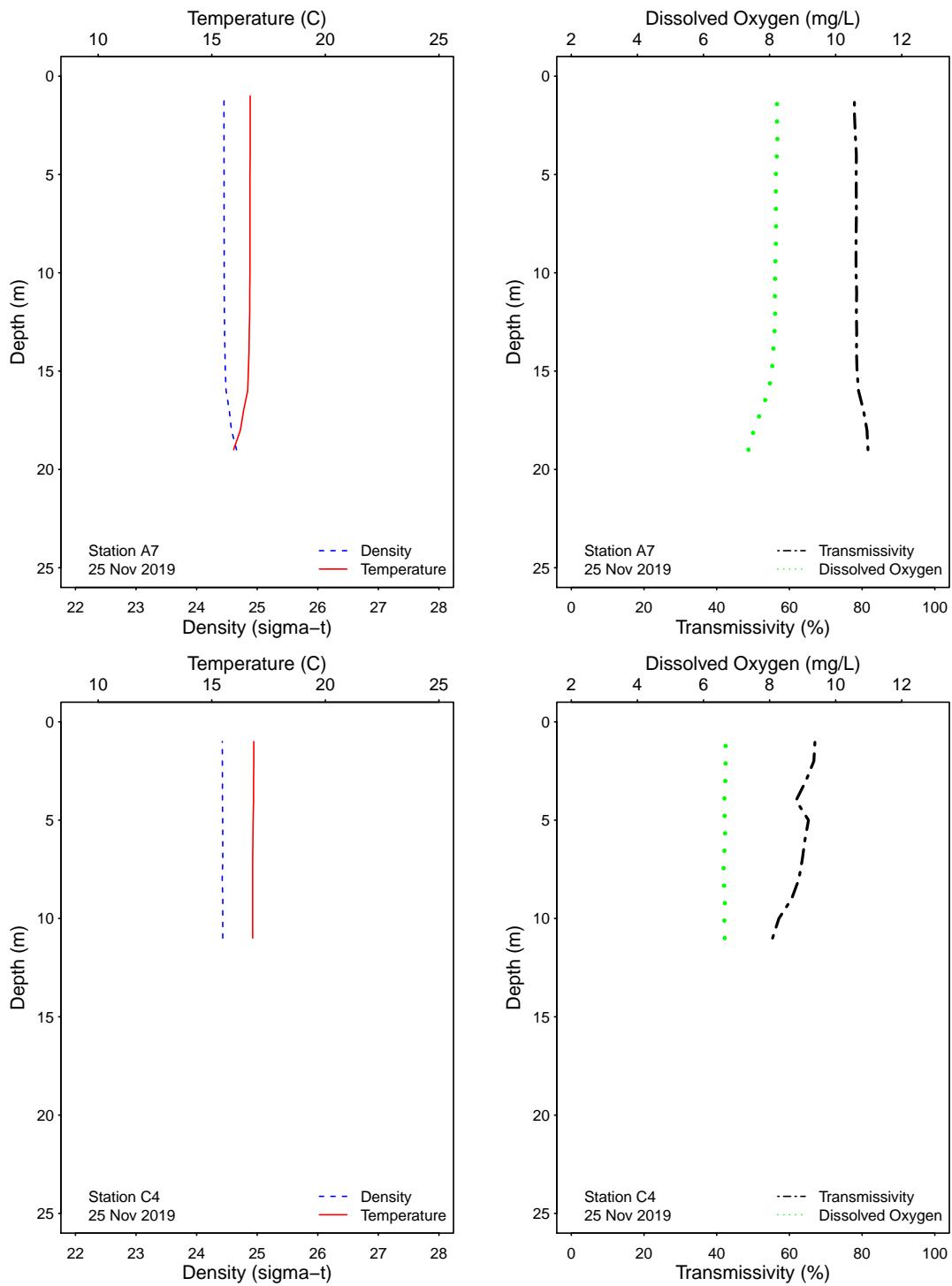


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

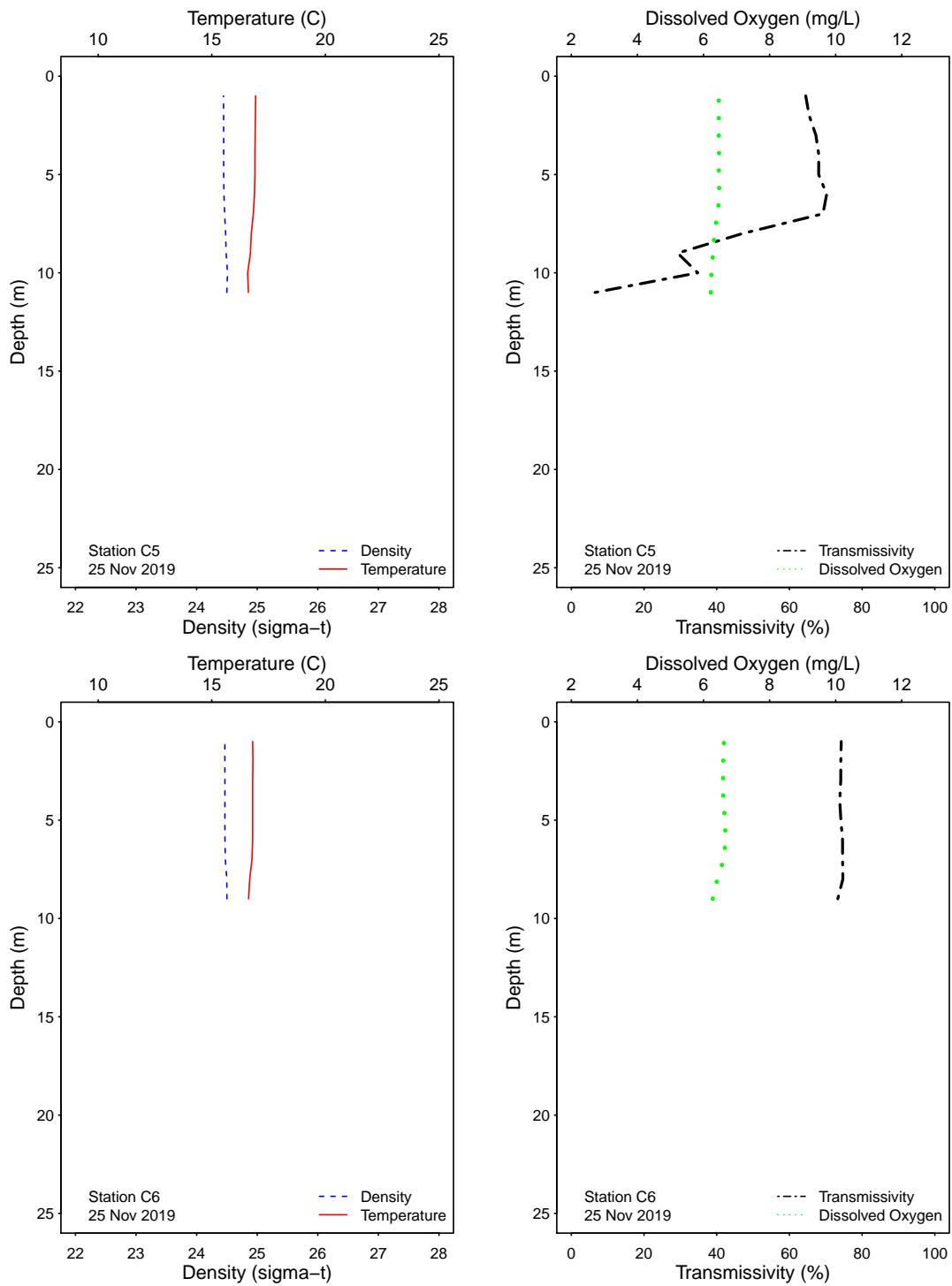


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

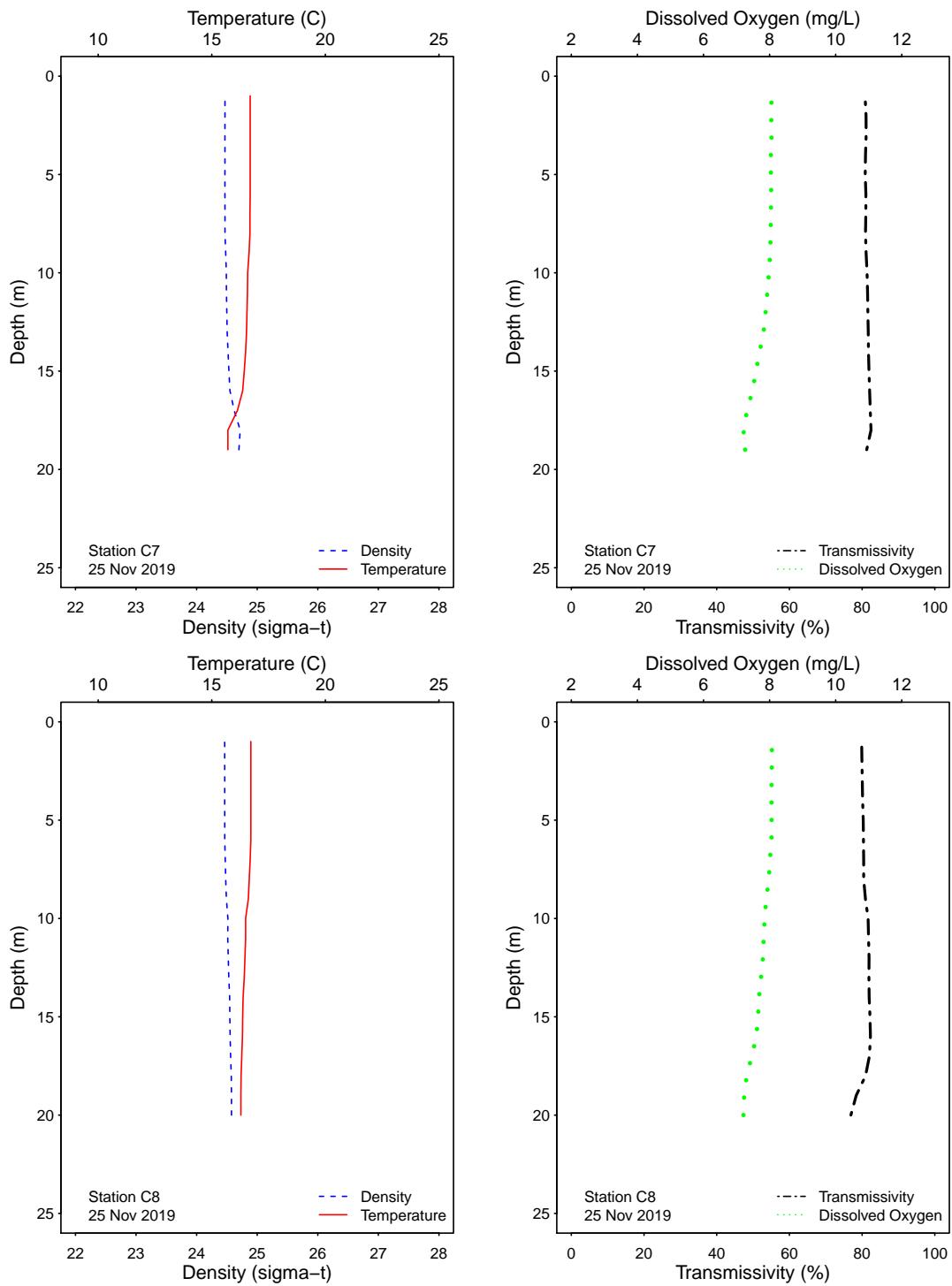


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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
06 Nov 2019	IC	ns	ns	ns											
07 Nov 2019	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	06 Nov 2019	1137	1	<2	17.5	79.03	8.6	33.65	8.2
F01	06 Nov 2019	1137	12	<2	17.0	79.78	8.4	33.63	8.2
F01	06 Nov 2019	1137	18	<2	16.5	81.11	7.4	33.62	8.1
F02	06 Nov 2019	805	1	<2	17.7	82.04	8.3	33.64	8.2
F02	06 Nov 2019	805	12	<2	16.6	80.04	7.9	33.62	8.1
F02	06 Nov 2019	805	18	<2	16.1	81.77	7.2	33.61	8.1
F03	06 Nov 2019	819	1	<2	17.5	81.78	8.4	33.63	8.2
F03	06 Nov 2019	819	12	<2	16.7	79.23	7.9	33.62	8.2
F03	06 Nov 2019	819	18	<2	15.4	84.82	7.0	33.60	8.1
F04	06 Nov 2019	1112	1	<2	17.5	81.36	8.4	33.61	8.2
F04	06 Nov 2019	1112	25	<2	15.9	82.14	7.5	33.59	8.1
F04	06 Nov 2019	1112	60	<2	13.7	85.90	6.3	33.61	8.0
F05	06 Nov 2019	1056	1	<2	17.4	80.16	8.7	33.63	8.2
F05	06 Nov 2019	1056	25	<2	16.1	82.69	7.6	33.60	8.1
F05	06 Nov 2019	1056	60	2e	13.6	84.34	6.2	33.61	8.0
F06	06 Nov 2019	1040	1	<2	17.6	79.01	8.6	33.63	8.2
F06	06 Nov 2019	1040	25	<2	16.5	81.14	7.9	33.61	8.2
F06	06 Nov 2019	1040	60	12e	13.0	85.61	6.0	33.60	8.0
F07	06 Nov 2019	1024	1	<2	17.4	77.77	8.5	33.65	8.2
F07	06 Nov 2019	1024	25	<2	16.4	82.34	7.8	33.60	8.2
F07	06 Nov 2019	1024	60	4e	13.0	85.40	6.0	33.60	8.0
F08	06 Nov 2019	1008	1	<2	17.4	81.04	8.7	33.62	8.2
F08	06 Nov 2019	1008	25	<2	16.5	81.48	8.0	33.60	8.2
F08	06 Nov 2019	1008	60	22e	12.9	85.06	5.9	33.61	8.0
F09	06 Nov 2019	953	1	<2	17.7	82.42	8.5	33.63	8.2
F09	06 Nov 2019	953	25	<2	16.4	82.19	7.7	33.62	8.2
F09	06 Nov 2019	953	60	12e	12.9	85.30	6.0	33.61	8.0
F10	06 Nov 2019	934	1	<2	18.4	84.73	8.2	33.65	8.2
F10	06 Nov 2019	934	25	2e	15.4	84.39	7.6	33.59	8.1
F10	06 Nov 2019	934	60	22e	13.0	84.85	6.0	33.60	8.0
F11	06 Nov 2019	920	1	<2	18.3	84.74	8.3	33.63	8.2
F11	06 Nov 2019	920	25	<2	15.8	82.31	8.0	33.57	8.1
F11	06 Nov 2019	920	60	22e	13.1	84.84	6.0	33.60	8.0
F12	06 Nov 2019	902	1	<2	18.5	84.91	8.2	33.65	8.2
F12	06 Nov 2019	902	25	<2	15.9	85.05	7.3	33.62	8.1
F12	06 Nov 2019	902	60	14e	13.0	85.17	5.9	33.61	8.0
F13	06 Nov 2019	847	1	<2	18.2	84.23	8.2	33.65	8.2
F13	06 Nov 2019	847	25	<2	15.3	85.94	7.2	33.59	8.1
F13	06 Nov 2019	847	60	6e	12.9	84.38	5.8	33.61	8.0
F14	06 Nov 2019	935	1	<2	18.2	83.98	8.3	33.65	8.2

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F14	06 Nov 2019	935	25	<2	15.0	84.90	8.3	33.47	8.2
F14	06 Nov 2019	935	60	2e	13.0	84.76	5.9	33.60	8.0
F15	07 Nov 2019	1053	1	<2	17.7	84.46	8.3	33.61	8.2
F15	07 Nov 2019	1053	25	<2	16.1	83.97	7.9	33.59	8.1
F15	07 Nov 2019	1053	60	<2	13.4	87.26	6.4	33.59	8.0
F15	07 Nov 2019	1053	80	2e	12.9	86.71	5.8	33.64	7.9
F16	07 Nov 2019	1040	1	<2	17.7	82.79	8.4	33.61	8.2
F16	07 Nov 2019	1040	25	<2	16.3	84.22	8.0	33.58	8.1
F16	07 Nov 2019	1040	60	<2	13.5	86.91	6.2	33.61	7.9
F16	07 Nov 2019	1040	80	<2	12.7	85.60	5.5	33.66	7.9
F17	07 Nov 2019	1026	1	<2	17.5	83.47	8.3	33.62	8.2
F17	07 Nov 2019	1026	25	<2	15.8	82.60	7.8	33.60	8.1
F17	07 Nov 2019	1026	60	<2	13.9	86.82	6.3	33.61	8.0
F17	07 Nov 2019	1026	80	8e	12.7	85.63	5.6	33.65	7.9
F18	07 Nov 2019	1013	1	<2	17.6	82.77	8.4	33.62	8.2
F18	07 Nov 2019	1013	25	<2	15.7	82.65	7.5	33.60	8.1
F18	07 Nov 2019	1013	60	4e	13.7	86.40	6.4	33.59	8.0
F18	07 Nov 2019	1013	80	10e	12.4	84.46	5.4	33.67	7.9
F19	07 Nov 2019	956	1	<2	17.4	81.67	8.3	33.62	8.2
F19	07 Nov 2019	956	25	<2	15.8	82.33	7.7	33.60	8.1
F19	07 Nov 2019	956	60	<2	13.8	86.89	6.6	33.61	8.0
F19	07 Nov 2019	956	80	12e	12.5	85.00	5.5	33.67	7.9
F20	07 Nov 2019	942	1	<2	17.2	80.33	8.6	33.64	8.2
F20	07 Nov 2019	942	25	<2	15.8	83.59	7.5	33.57	8.1
F20	07 Nov 2019	942	60	<2	13.6	86.94	6.5	33.62	8.0
F20	07 Nov 2019	942	80	22e	12.8	86.13	5.8	33.64	7.9
F21	07 Nov 2019	926	1	<2	17.2	79.66	8.6	33.63	8.2
F21	07 Nov 2019	926	25	<2	16.1	83.71	7.1	33.62	8.1
F21	07 Nov 2019	926	60	<2	13.2	87.22	6.1	33.64	7.9
F21	07 Nov 2019	926	80	540	12.5	85.95	5.4	33.61	7.8
F22	07 Nov 2019	908	1	<2	17.4	78.89	8.5	33.64	8.2
F22	07 Nov 2019	908	25	<2	16.1	84.76	7.5	33.60	8.1
F22	07 Nov 2019	908	60	<2	13.4	87.17	6.3	33.63	7.9
F22	07 Nov 2019	908	80	28e	12.5	86.05	5.4	33.68	7.8
F23	07 Nov 2019	853	1	<2	17.6	81.58	8.5	33.63	8.2
F23	07 Nov 2019	853	25	<2	16.4	83.49	7.5	33.61	8.1
F23	07 Nov 2019	853	60	2e	13.3	87.36	6.2	33.64	7.9
F23	07 Nov 2019	853	80	16e	12.5	86.30	5.4	33.68	7.9
F24	07 Nov 2019	837	1	<2	18.4	84.37	8.2	33.65	8.1
F24	07 Nov 2019	837	25	<2	16.3	83.56	7.5	33.61	8.1
F24	07 Nov 2019	837	60	24e	13.4	87.35	6.5	33.61	8.0
F24	07 Nov 2019	837	80	<2	12.4	86.01	5.3	33.69	7.8
F25	07 Nov 2019	814	1	<2	18.7	85.25	8.1	33.66	8.1
F25	07 Nov 2019	814	25	2e	16.0	83.16	7.8	33.58	8.1
F25	07 Nov 2019	814	60	<2	12.9	87.79	5.8	33.68	7.9
F25	07 Nov 2019	814	80	4e	12.4	85.27	5.4	33.69	7.8
F26	05 Nov 2019	1205	1	<2	17.6	80.60	8.7	33.62	8.2
F26	05 Nov 2019	1205	25	<2	15.8	84.94	7.6	33.60	8.1
F26	05 Nov 2019	1205	60	<2	12.8	87.35	5.6	33.69	7.9

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F26	05 Nov 2019	1205	80	<2	12.1	87.48	5.3	33.70	7.9
F26	05 Nov 2019	1205	98	2e	11.6	86.71	4.7	33.76	7.8
F27	05 Nov 2019	1150	1	<2	17.6	80.37	8.7	33.62	8.2
F27	05 Nov 2019	1150	25	<2	16.3	82.82	7.8	33.60	8.1
F27	05 Nov 2019	1150	60	<2	12.7	87.57	5.5	33.69	7.9
F27	05 Nov 2019	1150	80	<2	12.2	87.46	5.2	33.71	7.9
F27	05 Nov 2019	1150	98	<2	11.7	86.52	4.7	33.75	7.8
F28	05 Nov 2019	1133	1	<2	18.0	82.50	8.5	33.63	8.2
F28	05 Nov 2019	1133	25	<2	16.9	80.77	8.4	33.61	8.2
F28	05 Nov 2019	1133	60	<2	12.9	87.67	5.8	33.68	7.9
F28	05 Nov 2019	1133	80	<2	12.3	87.55	5.3	33.70	7.9
F28	05 Nov 2019	1133	98	<2	11.9	86.48	4.9	33.73	7.8
F29	05 Nov 2019	1117	1	<2	18.1	82.51	8.4	33.63	8.2
F29	05 Nov 2019	1117	25	<2	16.2	82.19	8.0	33.59	8.1
F29	05 Nov 2019	1117	60	<2	12.6	87.67	5.5	33.70	7.9
F29	05 Nov 2019	1117	80	<2	12.0	87.59	5.0	33.73	7.8
F29	05 Nov 2019	1117	98	2e	11.9	86.19	4.9	33.73	7.8
F30	05 Nov 2019	1102	1	<2	18.7	85.20	8.1	33.66	8.2
F30	05 Nov 2019	1102	25	<2	16.6	81.50	8.0	33.61	8.1
F30	05 Nov 2019	1102	60	28e	12.3	83.87	5.2	33.63	7.9
F30	05 Nov 2019	1102	80	22e	12.3	87.42	5.2	33.71	7.9
F30	05 Nov 2019	1102	98	24e	11.8	84.12	4.7	33.74	7.8
F31	05 Nov 2019	1046	1	<2	19.1	86.89	7.8	33.66	8.2
F31	05 Nov 2019	1046	25	<2	16.5	81.93	7.8	33.61	8.1
F31	05 Nov 2019	1046	60	<2	12.9	87.35	5.6	33.69	7.9
F31	05 Nov 2019	1046	80	72	12.1	86.29	5.0	33.70	7.8
F31	05 Nov 2019	1046	98	6e	11.9	85.45	4.9	33.74	7.8
F32	05 Nov 2019	1032	1	<2	18.9	84.46	8.0	33.67	8.2
F32	05 Nov 2019	1032	25	<2	16.1	83.66	7.7	33.60	8.1
F32	05 Nov 2019	1032	60	38e	12.7	87.33	5.6	33.68	7.9
F32	05 Nov 2019	1032	80	90	12.0	86.57	5.0	33.73	7.8
F32	05 Nov 2019	1032	98	6e	11.8	86.42	4.8	33.74	7.8
F33	05 Nov 2019	1014	1	<2	19.0	86.42	7.9	33.66	8.2
F33	05 Nov 2019	1014	25	<2	15.3	85.18	8.6	33.45	8.1
F33	05 Nov 2019	1014	60	76	12.8	87.05	5.8	33.65	7.9
F33	05 Nov 2019	1014	80	38e	12.0	86.05	5.1	33.70	7.8
F33	05 Nov 2019	1014	98	28e	11.8	85.14	4.9	33.72	7.8
F34	05 Nov 2019	959	1	<2	18.8	84.97	8.1	33.66	8.2
F34	05 Nov 2019	959	25	<2	15.2	84.41	8.6	33.46	8.1
F34	05 Nov 2019	959	60	560	12.5	86.68	5.5	33.61	7.9
F34	05 Nov 2019	959	80	200e	12.0	86.53	5.0	33.67	7.8
F34	05 Nov 2019	959	98	82	11.8	84.43	4.9	33.71	7.8
F35	05 Nov 2019	938	1	<2	18.9	85.99	8.0	33.66	8.2
F35	05 Nov 2019	938	25	<2	16.3	82.66	8.5	33.54	8.2
F35	05 Nov 2019	938	60	14e	12.9	87.24	5.9	33.65	7.9
F35	05 Nov 2019	938	80	80	12.2	86.51	5.3	33.68	7.9
F35	05 Nov 2019	938	98	110	11.8	85.03	4.8	33.72	7.8
F36	05 Nov 2019	853	1	<2	19.1	82.72	7.9	33.68	8.2
F36	05 Nov 2019	853	25	<2	15.9	83.06	8.4	33.52	8.1
F36	05 Nov 2019	853	60	<2	13.2	87.44	6.4	33.58	8.0
F36	05 Nov 2019	853	80	200e	12.5	86.60	5.5	33.64	7.9

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F36	05 Nov 2019	853	98	140e	12.1	85.71	5.0	33.70	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	06 Nov 2019	Depth (m)	2
F01	06 Nov 2019	Arrive Time	1137
F01	06 Nov 2019	Depart Time	1146
F01	06 Nov 2019	Air Temp (C)	17
F01	06 Nov 2019	Weather	Cloudy
F01	06 Nov 2019	Visibility (mi)	5
F01	06 Nov 2019	Wind Speed (kts)	4
F01	06 Nov 2019	Wind Dir	S
F01	06 Nov 2019	Water Color	Green
F01	06 Nov 2019	Wave Ht Low (ft)	2
F01	06 Nov 2019	Wave Period (sec)	16
F01	06 Nov 2019	Sea State	Calm
F01	06 Nov 2019	High Tide (ft)	6.33
F01	06 Nov 2019	High Tide Time	2106
F01	06 Nov 2019	Low Tide (ft)	-0.71
F01	06 Nov 2019	Low Tide Time	405
F01	06 Nov 2019	Comments	none
F02	06 Nov 2019	Depth (m)	20
F02	06 Nov 2019	Arrive Time	805
F02	06 Nov 2019	Depart Time	809
F02	06 Nov 2019	Air Temp (C)	17
F02	06 Nov 2019	Weather	Fog
F02	06 Nov 2019	Visibility (mi)	2
F02	06 Nov 2019	Wind Speed (kts)	0
F02	06 Nov 2019	Wind Dir	
F02	06 Nov 2019	Water Color	Bluish-Green
F02	06 Nov 2019	Wave Ht Low (ft)	2
F02	06 Nov 2019	Wave Period (sec)	16
F02	06 Nov 2019	Sea State	Calm
F02	06 Nov 2019	High Tide (ft)	6.33
F02	06 Nov 2019	High Tide Time	2106
F02	06 Nov 2019	Low Tide (ft)	-0.71
F02	06 Nov 2019	Low Tide Time	405
F02	06 Nov 2019	Comments	Boats
F03	06 Nov 2019	Depth (m)	20
F03	06 Nov 2019	Arrive Time	819
F03	06 Nov 2019	Depart Time	822
F03	06 Nov 2019	Air Temp (C)	17
F03	06 Nov 2019	Weather	Fog
F03	06 Nov 2019	Visibility (mi)	2
F03	06 Nov 2019	Wind Speed (kts)	0
F03	06 Nov 2019	Wind Dir	
F03	06 Nov 2019	Water Color	Green
F03	06 Nov 2019	Wave Ht Low (ft)	2
F03	06 Nov 2019	Wave Period (sec)	16
F03	06 Nov 2019	Sea State	Calm
F03	06 Nov 2019	High Tide (ft)	6.33
F03	06 Nov 2019	High Tide Time	2106
F03	06 Nov 2019	Low Tide (ft)	-0.71
F03	06 Nov 2019	Low Tide Time	405
F03	06 Nov 2019	Comments	none
F04	06 Nov 2019	Depth (m)	61
F04	06 Nov 2019	Arrive Time	1112

Station	Date	Parameter	Value
F04	06 Nov 2019	Depart Time	1118
F04	06 Nov 2019	Air Temp (C)	17
F04	06 Nov 2019	Weather	Cloudy
F04	06 Nov 2019	Visibility (mi)	5
F04	06 Nov 2019	Wind Speed (kts)	1
F04	06 Nov 2019	Wind Dir	W
F04	06 Nov 2019	Water Color	Green
F04	06 Nov 2019	Wave Ht Low (ft)	2
F04	06 Nov 2019	Wave Period (sec)	16
F04	06 Nov 2019	Sea State	Calm
F04	06 Nov 2019	High Tide (ft)	6.33
F04	06 Nov 2019	High Tide Time	2106
F04	06 Nov 2019	Low Tide (ft)	-0.71
F04	06 Nov 2019	Low Tide Time	405
F04	06 Nov 2019	Comments	none
F05	06 Nov 2019	Depth (m)	61
F05	06 Nov 2019	Arrive Time	1056
F05	06 Nov 2019	Depart Time	1102
F05	06 Nov 2019	Air Temp (C)	17
F05	06 Nov 2019	Weather	Cloudy
F05	06 Nov 2019	Visibility (mi)	5
F05	06 Nov 2019	Wind Speed (kts)	2
F05	06 Nov 2019	Wind Dir	SW
F05	06 Nov 2019	Water Color	Green
F05	06 Nov 2019	Wave Ht Low (ft)	2
F05	06 Nov 2019	Wave Period (sec)	16
F05	06 Nov 2019	Sea State	Calm
F05	06 Nov 2019	High Tide (ft)	6.33
F05	06 Nov 2019	High Tide Time	2106
F05	06 Nov 2019	Low Tide (ft)	-0.71
F05	06 Nov 2019	Low Tide Time	405
F05	06 Nov 2019	Comments	none
F06	06 Nov 2019	Depth (m)	61
F06	06 Nov 2019	Arrive Time	1040
F06	06 Nov 2019	Depart Time	1045
F06	06 Nov 2019	Air Temp (C)	17
F06	06 Nov 2019	Weather	Cloudy
F06	06 Nov 2019	Visibility (mi)	5
F06	06 Nov 2019	Wind Speed (kts)	2
F06	06 Nov 2019	Wind Dir	SW
F06	06 Nov 2019	Water Color	Green
F06	06 Nov 2019	Wave Ht Low (ft)	2
F06	06 Nov 2019	Wave Period (sec)	16
F06	06 Nov 2019	Sea State	Calm
F06	06 Nov 2019	High Tide (ft)	6.33
F06	06 Nov 2019	High Tide Time	2106
F06	06 Nov 2019	Low Tide (ft)	-0.71
F06	06 Nov 2019	Low Tide Time	405
F06	06 Nov 2019	Comments	none
F07	06 Nov 2019	Depth (m)	64
F07	06 Nov 2019	Arrive Time	1024
F07	06 Nov 2019	Depart Time	1031
F07	06 Nov 2019	Air Temp (C)	17
F07	06 Nov 2019	Weather	Cloudy
F07	06 Nov 2019	Visibility (mi)	5
F07	06 Nov 2019	Wind Speed (kts)	1
F07	06 Nov 2019	Wind Dir	SW
F07	06 Nov 2019	Water Color	Green

Station	Date	Parameter	Value
F07	06 Nov 2019	Wave Ht Low (ft)	2
F07	06 Nov 2019	Wave Period (sec)	16
F07	06 Nov 2019	Sea State	Calm
F07	06 Nov 2019	High Tide (ft)	6.33
F07	06 Nov 2019	High Tide Time	2106
F07	06 Nov 2019	Low Tide (ft)	-0.71
F07	06 Nov 2019	Low Tide Time	405
F07	06 Nov 2019	Comments	none
F08	06 Nov 2019	Depth (m)	61
F08	06 Nov 2019	Arrive Time	1008
F08	06 Nov 2019	Depart Time	1013
F08	06 Nov 2019	Air Temp (C)	17
F08	06 Nov 2019	Weather	Cloudy
F08	06 Nov 2019	Visibility (mi)	5
F08	06 Nov 2019	Wind Speed (kts)	1
F08	06 Nov 2019	Wind Dir	SE
F08	06 Nov 2019	Water Color	Green
F08	06 Nov 2019	Wave Ht Low (ft)	2
F08	06 Nov 2019	Wave Period (sec)	16
F08	06 Nov 2019	Sea State	Calm
F08	06 Nov 2019	High Tide (ft)	6.33
F08	06 Nov 2019	High Tide Time	2106
F08	06 Nov 2019	Low Tide (ft)	-0.71
F08	06 Nov 2019	Low Tide Time	405
F08	06 Nov 2019	Comments	none
F09	06 Nov 2019	Depth (m)	62
F09	06 Nov 2019	Arrive Time	953
F09	06 Nov 2019	Depart Time	958
F09	06 Nov 2019	Air Temp (C)	17
F09	06 Nov 2019	Weather	Cloudy
F09	06 Nov 2019	Visibility (mi)	5
F09	06 Nov 2019	Wind Speed (kts)	3
F09	06 Nov 2019	Wind Dir	SE
F09	06 Nov 2019	Water Color	Bluish-Green
F09	06 Nov 2019	Wave Ht Low (ft)	2
F09	06 Nov 2019	Wave Period (sec)	16
F09	06 Nov 2019	Sea State	Calm
F09	06 Nov 2019	High Tide (ft)	6.33
F09	06 Nov 2019	High Tide Time	2106
F09	06 Nov 2019	Low Tide (ft)	-0.71
F09	06 Nov 2019	Low Tide Time	405
F09	06 Nov 2019	Comments	none
F10	06 Nov 2019	Depth (m)	61
F10	06 Nov 2019	Arrive Time	934
F10	06 Nov 2019	Depart Time	940
F10	06 Nov 2019	Air Temp (C)	17
F10	06 Nov 2019	Weather	Cloudy
F10	06 Nov 2019	Visibility (mi)	5
F10	06 Nov 2019	Wind Speed (kts)	3
F10	06 Nov 2019	Wind Dir	SE
F10	06 Nov 2019	Water Color	Bluish-Green
F10	06 Nov 2019	Wave Ht Low (ft)	2
F10	06 Nov 2019	Wave Period (sec)	16
F10	06 Nov 2019	Sea State	Calm
F10	06 Nov 2019	High Tide (ft)	6.33
F10	06 Nov 2019	High Tide Time	2106
F10	06 Nov 2019	Low Tide (ft)	-0.71
F10	06 Nov 2019	Low Tide Time	405

Station	Date	Parameter	Value
F10	06 Nov 2019	Comments	none
F11	06 Nov 2019	Depth (m)	60
F11	06 Nov 2019	Arrive Time	920
F11	06 Nov 2019	Depart Time	924
F11	06 Nov 2019	Air Temp (C)	18
F11	06 Nov 2019	Weather	Cloudy
F11	06 Nov 2019	Visibility (mi)	5
F11	06 Nov 2019	Wind Speed (kts)	4
F11	06 Nov 2019	Wind Dir	SE
F11	06 Nov 2019	Water Color	Bluish-Green
F11	06 Nov 2019	Wave Ht Low (ft)	2
F11	06 Nov 2019	Wave Period (sec)	16
F11	06 Nov 2019	Sea State	Calm
F11	06 Nov 2019	High Tide (ft)	6.33
F11	06 Nov 2019	High Tide Time	2106
F11	06 Nov 2019	Low Tide (ft)	-0.71
F11	06 Nov 2019	Low Tide Time	405
F11	06 Nov 2019	Comments	none
F12	06 Nov 2019	Depth (m)	61
F12	06 Nov 2019	Arrive Time	902
F12	06 Nov 2019	Depart Time	919
F12	06 Nov 2019	Air Temp (C)	17
F12	06 Nov 2019	Weather	Cloudy
F12	06 Nov 2019	Visibility (mi)	5
F12	06 Nov 2019	Wind Speed (kts)	3
F12	06 Nov 2019	Wind Dir	S
F12	06 Nov 2019	Water Color	Bluish-Green
F12	06 Nov 2019	Wave Ht Low (ft)	2
F12	06 Nov 2019	Wave Period (sec)	16
F12	06 Nov 2019	Sea State	Calm
F12	06 Nov 2019	High Tide (ft)	6.33
F12	06 Nov 2019	High Tide Time	2106
F12	06 Nov 2019	Low Tide (ft)	-0.71
F12	06 Nov 2019	Low Tide Time	405
F12	06 Nov 2019	Comments	none
F13	06 Nov 2019	Depth (m)	61
F13	06 Nov 2019	Arrive Time	847
F13	06 Nov 2019	Depart Time	853
F13	06 Nov 2019	Air Temp (C)	17
F13	06 Nov 2019	Weather	Cloudy
F13	06 Nov 2019	Visibility (mi)	5
F13	06 Nov 2019	Wind Speed (kts)	0
F13	06 Nov 2019	Wind Dir	
F13	06 Nov 2019	Water Color	Green
F13	06 Nov 2019	Wave Ht Low (ft)	2
F13	06 Nov 2019	Wave Period (sec)	16
F13	06 Nov 2019	Sea State	Calm
F13	06 Nov 2019	High Tide (ft)	6.33
F13	06 Nov 2019	High Tide Time	2106
F13	06 Nov 2019	Low Tide (ft)	-0.71
F13	06 Nov 2019	Low Tide Time	405
F13	06 Nov 2019	Comments	none
F14	06 Nov 2019	Depth (m)	60
F14	06 Nov 2019	Arrive Time	835
F14	06 Nov 2019	Depart Time	840
F14	06 Nov 2019	Air Temp (C)	17
F14	06 Nov 2019	Weather	Cloudy

Station	Date	Parameter	Value
F14	06 Nov 2019	Visibility (mi)	5
F14	06 Nov 2019	Wind Speed (kts)	0
F14	06 Nov 2019	Wind Dir	
F14	06 Nov 2019	Water Color	Green
F14	06 Nov 2019	Wave Ht Low (ft)	2
F14	06 Nov 2019	Wave Period (sec)	16
F14	06 Nov 2019	Sea State	Calm
F14	06 Nov 2019	High Tide (ft)	6.33
F14	06 Nov 2019	High Tide Time	2106
F14	06 Nov 2019	Low Tide (ft)	-0.71
F14	06 Nov 2019	Low Tide Time	405
F14	06 Nov 2019	Comments	Kelp
F15	07 Nov 2019	Depth (m)	80
F15	07 Nov 2019	Arrive Time	1053
F15	07 Nov 2019	Depart Time	1105
F15	07 Nov 2019	Air Temp (C)	16
F15	07 Nov 2019	Weather	Fog
F15	07 Nov 2019	Visibility (mi)	3
F15	07 Nov 2019	Wind Speed (kts)	8
F15	07 Nov 2019	Wind Dir	W
F15	07 Nov 2019	Water Color	Bluish-Green
F15	07 Nov 2019	Wave Ht Low (ft)	1
F15	07 Nov 2019	Wave Period (sec)	13
F15	07 Nov 2019	Sea State	Calm
F15	07 Nov 2019	High Tide (ft)	6.33
F15	07 Nov 2019	High Tide Time	2106
F15	07 Nov 2019	Low Tide (ft)	-0.71
F15	07 Nov 2019	Low Tide Time	405
F15	07 Nov 2019	Comments	Bight' 18 Ocean Acidification samples collected at 1m Bottle 17222 and 80m bottle 17223
F16	07 Nov 2019	Depth (m)	81
F16	07 Nov 2019	Arrive Time	1040
F16	07 Nov 2019	Depart Time	1046
F16	07 Nov 2019	Air Temp (C)	16
F16	07 Nov 2019	Weather	Fog
F16	07 Nov 2019	Visibility (mi)	1
F16	07 Nov 2019	Wind Speed (kts)	10
F16	07 Nov 2019	Wind Dir	W
F16	07 Nov 2019	Water Color	Bluish-Green
F16	07 Nov 2019	Wave Ht Low (ft)	1
F16	07 Nov 2019	Wave Period (sec)	13
F16	07 Nov 2019	Sea State	Calm
F16	07 Nov 2019	High Tide (ft)	6.33
F16	07 Nov 2019	High Tide Time	2106
F16	07 Nov 2019	Low Tide (ft)	-0.71
F16	07 Nov 2019	Low Tide Time	405
F16	07 Nov 2019	Comments	none
F17	07 Nov 2019	Depth (m)	81
F17	07 Nov 2019	Arrive Time	1026
F17	07 Nov 2019	Depart Time	1029
F17	07 Nov 2019	Air Temp (C)	16
F17	07 Nov 2019	Weather	Fog
F17	07 Nov 2019	Visibility (mi)	1
F17	07 Nov 2019	Wind Speed (kts)	6
F17	07 Nov 2019	Wind Dir	W
F17	07 Nov 2019	Water Color	Bluish-Green
F17	07 Nov 2019	Wave Ht Low (ft)	1
F17	07 Nov 2019	Wave Period (sec)	13

Station	Date	Parameter	Value
F17	07 Nov 2019	Sea State	Calm
F17	07 Nov 2019	High Tide (ft)	6.33
F17	07 Nov 2019	High Tide Time	2106
F17	07 Nov 2019	Low Tide (ft)	-0.71
F17	07 Nov 2019	Low Tide Time	405
F17	07 Nov 2019	Comments	none
F18	07 Nov 2019	Depth (m)	80
F18	07 Nov 2019	Arrive Time	1013
F18	07 Nov 2019	Depart Time	1018
F18	07 Nov 2019	Air Temp (C)	16
F18	07 Nov 2019	Weather	Fog
F18	07 Nov 2019	Visibility (mi)	1
F18	07 Nov 2019	Wind Speed (kts)	2
F18	07 Nov 2019	Wind Dir	W
F18	07 Nov 2019	Water Color	Bluish-Green
F18	07 Nov 2019	Wave Ht Low (ft)	1
F18	07 Nov 2019	Wave Period (sec)	13
F18	07 Nov 2019	Sea State	Calm
F18	07 Nov 2019	High Tide (ft)	6.33
F18	07 Nov 2019	High Tide Time	2106
F18	07 Nov 2019	Low Tide (ft)	-0.71
F18	07 Nov 2019	Low Tide Time	405
F18	07 Nov 2019	Comments	none
F19	07 Nov 2019	Depth (m)	81
F19	07 Nov 2019	Arrive Time	956
F19	07 Nov 2019	Depart Time	1002
F19	07 Nov 2019	Air Temp (C)	16
F19	07 Nov 2019	Weather	Fog
F19	07 Nov 2019	Visibility (mi)	1
F19	07 Nov 2019	Wind Speed (kts)	5
F19	07 Nov 2019	Wind Dir	W
F19	07 Nov 2019	Water Color	Bluish-Green
F19	07 Nov 2019	Wave Ht Low (ft)	1
F19	07 Nov 2019	Wave Period (sec)	13
F19	07 Nov 2019	Sea State	Calm
F19	07 Nov 2019	High Tide (ft)	6.33
F19	07 Nov 2019	High Tide Time	2106
F19	07 Nov 2019	Low Tide (ft)	-0.71
F19	07 Nov 2019	Low Tide Time	405
F19	07 Nov 2019	Comments	none
F20	07 Nov 2019	Depth (m)	82
F20	07 Nov 2019	Arrive Time	942
F20	07 Nov 2019	Depart Time	946
F20	07 Nov 2019	Air Temp (C)	16
F20	07 Nov 2019	Weather	Fog
F20	07 Nov 2019	Visibility (mi)	1
F20	07 Nov 2019	Wind Speed (kts)	6
F20	07 Nov 2019	Wind Dir	NW
F20	07 Nov 2019	Water Color	Bluish-Green
F20	07 Nov 2019	Wave Ht Low (ft)	1
F20	07 Nov 2019	Wave Period (sec)	13
F20	07 Nov 2019	Sea State	Calm
F20	07 Nov 2019	High Tide (ft)	6.33
F20	07 Nov 2019	High Tide Time	2106
F20	07 Nov 2019	Low Tide (ft)	-0.71
F20	07 Nov 2019	Low Tide Time	405
F20	07 Nov 2019	Comments	none

Station	Date	Parameter	Value
F21	07 Nov 2019	Depth (m)	80
F21	07 Nov 2019	Arrive Time	926
F21	07 Nov 2019	Depart Time	931
F21	07 Nov 2019	Air Temp (C)	16
F21	07 Nov 2019	Weather	Fog
F21	07 Nov 2019	Visibility (mi)	1
F21	07 Nov 2019	Wind Speed (kts)	5
F21	07 Nov 2019	Wind Dir	W
F21	07 Nov 2019	Water Color	Bluish-Green
F21	07 Nov 2019	Wave Ht Low (ft)	1
F21	07 Nov 2019	Wave Period (sec)	13
F21	07 Nov 2019	Sea State	Calm
F21	07 Nov 2019	High Tide (ft)	6.33
F21	07 Nov 2019	High Tide Time	2106
F21	07 Nov 2019	Low Tide (ft)	-0.71
F21	07 Nov 2019	Low Tide Time	405
F21	07 Nov 2019	Comments	none
F22	07 Nov 2019	Depth (m)	81
F22	07 Nov 2019	Arrive Time	908
F22	07 Nov 2019	Depart Time	911
F22	07 Nov 2019	Air Temp (C)	16
F22	07 Nov 2019	Weather	Fog
F22	07 Nov 2019	Visibility (mi)	1
F22	07 Nov 2019	Wind Speed (kts)	6
F22	07 Nov 2019	Wind Dir	W
F22	07 Nov 2019	Water Color	Bluish-Green
F22	07 Nov 2019	Wave Ht Low (ft)	1
F22	07 Nov 2019	Wave Period (sec)	13
F22	07 Nov 2019	Sea State	Calm
F22	07 Nov 2019	High Tide (ft)	6.33
F22	07 Nov 2019	High Tide Time	2106
F22	07 Nov 2019	Low Tide (ft)	-0.71
F22	07 Nov 2019	Low Tide Time	405
F22	07 Nov 2019	Comments	none
F24	07 Nov 2019	Depth (m)	81
F24	07 Nov 2019	Arrive Time	837
F24	07 Nov 2019	Depart Time	841
F24	07 Nov 2019	Air Temp (C)	16
F24	07 Nov 2019	Weather	Fog
F24	07 Nov 2019	Visibility (mi)	1
F24	07 Nov 2019	Wind Speed (kts)	4
F24	07 Nov 2019	Wind Dir	W
F24	07 Nov 2019	Water Color	Bluish-Green
F24	07 Nov 2019	Wave Ht Low (ft)	1
F24	07 Nov 2019	Wave Period (sec)	13
F24	07 Nov 2019	Sea State	Calm
F24	07 Nov 2019	High Tide (ft)	6.33
F24	07 Nov 2019	High Tide Time	2106
F24	07 Nov 2019	Low Tide (ft)	-0.71
F24	07 Nov 2019	Low Tide Time	405
F24	07 Nov 2019	Comments	none
F25	07 Nov 2019	Depth (m)	81
F25	07 Nov 2019	Arrive Time	814
F25	07 Nov 2019	Depart Time	825
F25	07 Nov 2019	Air Temp (C)	16
F25	07 Nov 2019	Weather	Fog
F25	07 Nov 2019	Visibility (mi)	1
F25	07 Nov 2019	Wind Speed (kts)	4

Station	Date	Parameter	Value
F25	07 Nov 2019	Wind Dir	W
F25	07 Nov 2019	Water Color	Bluish-Green
F25	07 Nov 2019	Wave Ht Low (ft)	1
F25	07 Nov 2019	Wave Period (sec)	13
F25	07 Nov 2019	Sea State	Calm
F25	07 Nov 2019	High Tide (ft)	6.33
F25	07 Nov 2019	High Tide Time	2106
F25	07 Nov 2019	Low Tide (ft)	-0.71
F25	07 Nov 2019	Low Tide Time	405
F25	07 Nov 2019	Comments	none
F26	05 Nov 2019	Depth (m)	99
F26	05 Nov 2019	Arrive Time	1205
F26	05 Nov 2019	Depart Time	1216
F26	05 Nov 2019	Air Temp (C)	18
F26	05 Nov 2019	Weather	Clear
F26	05 Nov 2019	Visibility (mi)	12
F26	05 Nov 2019	Wind Speed (kts)	6
F26	05 Nov 2019	Wind Dir	SW
F26	05 Nov 2019	Water Color	Blue
F26	05 Nov 2019	Wave Ht Low (ft)	4
F26	05 Nov 2019	Wave Period (sec)	9
F26	05 Nov 2019	Sea State	Light chop
F26	05 Nov 2019	High Tide (ft)	6.33
F26	05 Nov 2019	High Tide Time	2106
F26	05 Nov 2019	Low Tide (ft)	-0.71
F26	05 Nov 2019	Low Tide Time	405
F26	05 Nov 2019	Comments	none
F27	05 Nov 2019	Depth (m)	100
F27	05 Nov 2019	Arrive Time	1150
F27	05 Nov 2019	Depart Time	1159
F27	05 Nov 2019	Air Temp (C)	18
F27	05 Nov 2019	Weather	Clear
F27	05 Nov 2019	Visibility (mi)	12
F27	05 Nov 2019	Wind Speed (kts)	8
F27	05 Nov 2019	Wind Dir	SW
F27	05 Nov 2019	Water Color	Blue
F27	05 Nov 2019	Wave Ht Low (ft)	4
F27	05 Nov 2019	Wave Period (sec)	9
F27	05 Nov 2019	Sea State	Light chop
F27	05 Nov 2019	High Tide (ft)	6.33
F27	05 Nov 2019	High Tide Time	2106
F27	05 Nov 2019	Low Tide (ft)	-0.71
F27	05 Nov 2019	Low Tide Time	405
F27	05 Nov 2019	Comments	none
F28	05 Nov 2019	Depth (m)	99
F28	05 Nov 2019	Arrive Time	1133
F28	05 Nov 2019	Depart Time	1143
F28	05 Nov 2019	Air Temp (C)	18
F28	05 Nov 2019	Weather	Clear
F28	05 Nov 2019	Visibility (mi)	12
F28	05 Nov 2019	Wind Speed (kts)	9
F28	05 Nov 2019	Wind Dir	SW
F28	05 Nov 2019	Water Color	Blue
F28	05 Nov 2019	Wave Ht Low (ft)	4
F28	05 Nov 2019	Wave Period (sec)	9
F28	05 Nov 2019	Sea State	Light chop
F28	05 Nov 2019	High Tide (ft)	6.33
F28	05 Nov 2019	High Tide Time	2106

Station	Date	Parameter	Value
F28	05 Nov 2019	Low Tide (ft)	-0.71
F28	05 Nov 2019	Low Tide Time	405
F28	05 Nov 2019	Comments	none
F29	05 Nov 2019	Depth (m)	98
F29	05 Nov 2019	Arrive Time	1117
F29	05 Nov 2019	Depart Time	1123
F29	05 Nov 2019	Air Temp (C)	18
F29	05 Nov 2019	Weather	Clear
F29	05 Nov 2019	Visibility (mi)	12
F29	05 Nov 2019	Wind Speed (kts)	8
F29	05 Nov 2019	Wind Dir	SW
F29	05 Nov 2019	Water Color	Blue
F29	05 Nov 2019	Wave Ht Low (ft)	4
F29	05 Nov 2019	Wave Period (sec)	9
F29	05 Nov 2019	Sea State	Light chop
F29	05 Nov 2019	High Tide (ft)	6.33
F29	05 Nov 2019	High Tide Time	2106
F29	05 Nov 2019	Low Tide (ft)	-0.71
F29	05 Nov 2019	Low Tide Time	405
F29	05 Nov 2019	Comments	none
F30	05 Nov 2019	Depth (m)	97
F30	05 Nov 2019	Arrive Time	1102
F30	05 Nov 2019	Depart Time	1111
F30	05 Nov 2019	Air Temp (C)	17
F30	05 Nov 2019	Weather	Clear
F30	05 Nov 2019	Visibility (mi)	12
F30	05 Nov 2019	Wind Speed (kts)	7
F30	05 Nov 2019	Wind Dir	SW
F30	05 Nov 2019	Water Color	Blue
F30	05 Nov 2019	Wave Ht Low (ft)	3
F30	05 Nov 2019	Wave Period (sec)	9
F30	05 Nov 2019	Sea State	Light chop
F30	05 Nov 2019	High Tide (ft)	6.33
F30	05 Nov 2019	High Tide Time	2106
F30	05 Nov 2019	Low Tide (ft)	-0.71
F30	05 Nov 2019	Low Tide Time	405
F30	05 Nov 2019	Comments	none
F31	05 Nov 2019	Depth (m)	98
F31	05 Nov 2019	Arrive Time	1046
F31	05 Nov 2019	Depart Time	1057
F31	05 Nov 2019	Air Temp (C)	17
F31	05 Nov 2019	Weather	Clear
F31	05 Nov 2019	Visibility (mi)	12
F31	05 Nov 2019	Wind Speed (kts)	8
F31	05 Nov 2019	Wind Dir	SW
F31	05 Nov 2019	Water Color	Blue
F31	05 Nov 2019	Wave Ht Low (ft)	3
F31	05 Nov 2019	Wave Period (sec)	9
F31	05 Nov 2019	Sea State	Wind ripples
F31	05 Nov 2019	High Tide (ft)	6.33
F31	05 Nov 2019	High Tide Time	2106
F31	05 Nov 2019	Low Tide (ft)	-0.71
F31	05 Nov 2019	Low Tide Time	405
F31	05 Nov 2019	Comments	none
F32	05 Nov 2019	Depth (m)	100
F32	05 Nov 2019	Arrive Time	1032
F32	05 Nov 2019	Depart Time	1041

Station	Date	Parameter	Value
F32	05 Nov 2019	Air Temp (C)	17
F32	05 Nov 2019	Weather	Clear
F32	05 Nov 2019	Visibility (mi)	12
F32	05 Nov 2019	Wind Speed (kts)	6
F32	05 Nov 2019	Wind Dir	W
F32	05 Nov 2019	Water Color	Blue
F32	05 Nov 2019	Wave Ht Low (ft)	3
F32	05 Nov 2019	Wave Period (sec)	9
F32	05 Nov 2019	Sea State	Wind ripples
F32	05 Nov 2019	High Tide (ft)	6.33
F32	05 Nov 2019	High Tide Time	2106
F32	05 Nov 2019	Low Tide (ft)	-0.71
F32	05 Nov 2019	Low Tide Time	405
F32	05 Nov 2019	Comments	none
F33	05 Nov 2019	Depth (m)	102
F33	05 Nov 2019	Arrive Time	1014
F33	05 Nov 2019	Depart Time	1025
F33	05 Nov 2019	Air Temp (C)	17
F33	05 Nov 2019	Weather	Clear
F33	05 Nov 2019	Visibility (mi)	12
F33	05 Nov 2019	Wind Speed (kts)	6
F33	05 Nov 2019	Wind Dir	W
F33	05 Nov 2019	Water Color	Blue
F33	05 Nov 2019	Wave Ht Low (ft)	3
F33	05 Nov 2019	Wave Period (sec)	9
F33	05 Nov 2019	Sea State	Calm
F33	05 Nov 2019	High Tide (ft)	6.33
F33	05 Nov 2019	High Tide Time	2106
F33	05 Nov 2019	Low Tide (ft)	-0.71
F33	05 Nov 2019	Low Tide Time	405
F33	05 Nov 2019	Comments	none
F34	05 Nov 2019	Depth (m)	99
F34	05 Nov 2019	Arrive Time	959
F34	05 Nov 2019	Depart Time	1009
F34	05 Nov 2019	Air Temp (C)	17
F34	05 Nov 2019	Weather	Clear
F34	05 Nov 2019	Visibility (mi)	12
F34	05 Nov 2019	Wind Speed (kts)	8
F34	05 Nov 2019	Wind Dir	SW
F34	05 Nov 2019	Water Color	Blue
F34	05 Nov 2019	Wave Ht Low (ft)	3
F34	05 Nov 2019	Wave Period (sec)	9
F34	05 Nov 2019	Sea State	Calm
F34	05 Nov 2019	High Tide (ft)	6.33
F34	05 Nov 2019	High Tide Time	2106
F34	05 Nov 2019	Low Tide (ft)	-0.71
F34	05 Nov 2019	Low Tide Time	405
F34	05 Nov 2019	Comments	none
F35	05 Nov 2019	Depth (m)	99
F35	05 Nov 2019	Arrive Time	938
F35	05 Nov 2019	Depart Time	957
F35	05 Nov 2019	Air Temp (C)	17
F35	05 Nov 2019	Weather	Clear
F35	05 Nov 2019	Visibility (mi)	12
F35	05 Nov 2019	Wind Speed (kts)	6
F35	05 Nov 2019	Wind Dir	W
F35	05 Nov 2019	Water Color	Blue
F35	05 Nov 2019	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
F35	05 Nov 2019	Wave Period (sec)	9
F35	05 Nov 2019	Sea State	Calm
F35	05 Nov 2019	High Tide (ft)	6.33
F35	05 Nov 2019	High Tide Time	2106
F35	05 Nov 2019	Low Tide (ft)	-0.71
F35	05 Nov 2019	Low Tide Time	405
F35	05 Nov 2019	Comments	none
F36	05 Nov 2019	Depth (m)	99
F36	05 Nov 2019	Arrive Time	853
F36	05 Nov 2019	Depart Time	921
F36	05 Nov 2019	Air Temp (C)	17
F36	05 Nov 2019	Weather	Clear
F36	05 Nov 2019	Visibility (mi)	12
F36	05 Nov 2019	Wind Speed (kts)	2
F36	05 Nov 2019	Wind Dir	SW
F36	05 Nov 2019	Water Color	Blue
F36	05 Nov 2019	Wave Ht Low (ft)	3
F36	05 Nov 2019	Wave Period (sec)	9
F36	05 Nov 2019	Sea State	Calm
F36	05 Nov 2019	High Tide (ft)	6.33
F36	05 Nov 2019	High Tide Time	2106
F36	05 Nov 2019	Low Tide (ft)	-0.71
F36	05 Nov 2019	Low Tide Time	405
F36	05 Nov 2019	Comments	none

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F01	06 Nov 2019	1	17.46	79.03	8.6	33.65	8.2	24.4	1.07
F01	06 Nov 2019	2	17.28	79.15	8.7	33.63	8.2	24.4	1.15
F01	06 Nov 2019	3	17.29	78.81	8.6	33.62	8.2	24.4	1.25
F01	06 Nov 2019	4	17.18	78.91	8.7	33.62	8.2	24.4	1.43
F01	06 Nov 2019	5	17.17	78.76	8.7	33.62	8.2	24.4	1.59
F01	06 Nov 2019	6	17.17	78.77	8.7	33.62	8.2	24.4	1.78
F01	06 Nov 2019	7	17.17	78.79	8.7	33.62	8.2	24.4	1.99
F01	06 Nov 2019	8	17.16	78.94	8.7	33.62	8.2	24.4	2.08
F01	06 Nov 2019	9	17.15	79.03	8.7	33.62	8.2	24.4	2.19
F01	06 Nov 2019	10	17.15	79.19	8.7	33.62	8.2	24.4	2.21
F01	06 Nov 2019	11	17.13	79.36	8.7	33.62	8.2	24.4	2.27
F01	06 Nov 2019	12	17.04	79.78	8.4	33.63	8.2	24.5	2.30
F01	06 Nov 2019	13	16.67	79.92	8.1	33.63	8.2	24.5	2.48
F01	06 Nov 2019	14	16.67	79.87	7.9	33.60	8.2	24.5	2.87
F01	06 Nov 2019	15	16.59	80.34	7.7	33.61	8.2	24.5	2.73
F01	06 Nov 2019	16	16.58	80.64	7.6	33.61	8.2	24.5	2.51
F01	06 Nov 2019	17	16.56	80.75	7.5	33.61	8.2	24.6	2.33
F01	06 Nov 2019	18	16.46	81.11	7.4	33.62	8.1	24.6	2.10
F01	06 Nov 2019	19	16.26	82.14	7.3	33.62	8.1	24.6	1.76
F01	06 Nov 2019	20	16.22	83.76	7.3	33.60	8.1	24.6	1.37
F02	06 Nov 2019	1	17.70	82.04	8.3	33.64	8.2	24.3	1.37
F02	06 Nov 2019	2	17.69	82.04	8.3	33.64	8.2	24.3	1.43
F02	06 Nov 2019	3	17.64	82.10	8.3	33.64	8.2	24.3	1.55
F02	06 Nov 2019	4	17.48	81.59	8.3	33.64	8.2	24.4	1.78
F02	06 Nov 2019	5	17.42	81.44	8.3	33.63	8.2	24.4	1.99
F02	06 Nov 2019	6	17.35	81.18	8.4	33.63	8.2	24.4	2.05
F02	06 Nov 2019	7	17.29	80.97	8.4	33.62	8.2	24.4	2.12
F02	06 Nov 2019	8	17.16	80.76	8.3	33.63	8.2	24.4	2.22
F02	06 Nov 2019	9	16.91	80.84	8.3	33.62	8.2	24.5	2.24
F02	06 Nov 2019	10	16.91	80.78	8.3	33.61	8.2	24.5	2.35
F02	06 Nov 2019	11	16.79	80.54	8.1	33.62	8.2	24.5	2.60
F02	06 Nov 2019	12	16.55	80.04	7.9	33.62	8.1	24.6	2.91
F02	06 Nov 2019	13	16.47	80.17	7.7	33.61	8.1	24.6	3.16
F02	06 Nov 2019	14	16.36	80.27	7.6	33.61	8.1	24.6	3.24
F02	06 Nov 2019	15	16.25	80.34	7.5	33.61	8.1	24.6	3.28
F02	06 Nov 2019	16	16.17	80.69	7.3	33.61	8.1	24.6	3.04
F02	06 Nov 2019	17	16.12	81.38	7.3	33.60	8.1	24.6	2.63
F02	06 Nov 2019	18	16.09	81.77	7.2	33.61	8.1	24.7	2.37
F02	06 Nov 2019	19	16.06	82.39	7.2	33.60	8.1	24.7	2.15
F02	06 Nov 2019	20	16.05	82.48	7.2	33.60	8.1	24.7	1.83
F03	06 Nov 2019	1	17.47	81.78	8.4	33.63	8.2	24.4	1.10
F03	06 Nov 2019	2	17.47	82.16	8.4	33.63	8.2	24.4	1.13
F03	06 Nov 2019	3	17.47	82.27	8.4	33.63	8.2	24.4	1.18
F03	06 Nov 2019	4	17.43	81.97	8.3	33.64	8.2	24.4	1.39
F03	06 Nov 2019	5	17.21	81.37	8.3	33.64	8.2	24.4	1.81
F03	06 Nov 2019	6	17.13	80.70	8.3	33.63	8.2	24.4	2.19
F03	06 Nov 2019	7	17.07	80.13	8.2	33.63	8.2	24.4	2.46
F03	06 Nov 2019	8	17.00	79.92	8.2	33.63	8.2	24.5	2.68
F03	06 Nov 2019	9	16.91	79.59	8.1	33.63	8.2	24.5	2.95
F03	06 Nov 2019	10	16.83	79.52	8.0	33.62	8.2	24.5	3.20
F03	06 Nov 2019	11	16.77	79.48	8.0	33.62	8.2	24.5	3.37
F03	06 Nov 2019	12	16.68	79.23	7.9	33.62	8.2	24.5	3.52
F03	06 Nov 2019	13	16.57	79.49	7.7	33.62	8.1	24.6	3.39
F03	06 Nov 2019	14	16.29	80.22	7.5	33.63	8.1	24.6	2.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	06 Nov 2019	15	15.95	82.24	7.4	33.62	8.1	24.7	2.28
F03	06 Nov 2019	16	15.90	83.32	7.3	33.60	8.1	24.7	1.82
F03	06 Nov 2019	17	15.58	84.18	7.1	33.62	8.1	24.8	1.41
F03	06 Nov 2019	18	15.37	84.82	7.0	33.60	8.1	24.8	1.05
F03	06 Nov 2019	19	15.18	85.17	6.9	33.60	8.1	24.9	0.81
F03	06 Nov 2019	20	15.16	84.67	6.9	33.59	8.1	24.8	0.71
F04	06 Nov 2019	1	17.46	81.36	8.4	33.61	8.2	24.3	1.08
F04	06 Nov 2019	2	17.44	81.51	8.5	33.62	8.2	24.4	1.14
F04	06 Nov 2019	3	17.26	81.05	8.6	33.64	8.2	24.4	1.16
F04	06 Nov 2019	4	17.24	80.62	8.6	33.63	8.2	24.4	1.41
F04	06 Nov 2019	5	17.23	80.35	8.6	33.63	8.2	24.4	1.64
F04	06 Nov 2019	6	17.15	80.52	8.6	33.64	8.2	24.4	1.93
F04	06 Nov 2019	7	17.11	80.67	8.5	33.63	8.2	24.4	2.10
F04	06 Nov 2019	8	17.08	80.77	8.5	33.63	8.2	24.4	2.31
F04	06 Nov 2019	9	17.06	80.68	8.5	33.62	8.2	24.4	2.38
F04	06 Nov 2019	10	17.04	80.69	8.4	33.62	8.2	24.4	2.56
F04	06 Nov 2019	11	17.00	80.72	8.4	33.62	8.2	24.5	2.59
F04	06 Nov 2019	12	16.92	80.84	8.2	33.63	8.2	24.5	2.70
F04	06 Nov 2019	13	16.82	81.09	8.0	33.63	8.2	24.5	2.80
F04	06 Nov 2019	14	16.69	81.23	7.7	33.63	8.2	24.5	2.70
F04	06 Nov 2019	15	16.67	81.36	7.5	33.62	8.2	24.5	2.65
F04	06 Nov 2019	16	16.67	81.37	7.5	33.62	8.2	24.5	2.63
F04	06 Nov 2019	17	16.66	81.47	7.4	33.63	8.2	24.5	2.60
F04	06 Nov 2019	18	16.64	81.60	7.3	33.63	8.1	24.5	2.54
F04	06 Nov 2019	19	16.61	81.78	7.2	33.63	8.1	24.6	2.37
F04	06 Nov 2019	20	16.47	81.93	7.2	33.63	8.1	24.6	2.34
F04	06 Nov 2019	21	16.37	81.99	7.2	33.62	8.1	24.6	2.35
F04	06 Nov 2019	22	16.30	81.92	7.3	33.62	8.1	24.6	2.43
F04	06 Nov 2019	23	16.22	81.95	7.3	33.62	8.1	24.6	2.50
F04	06 Nov 2019	24	16.08	82.07	7.4	33.62	8.1	24.7	2.52
F04	06 Nov 2019	25	15.89	82.14	7.5	33.59	8.1	24.7	2.61
F04	06 Nov 2019	26	15.85	82.20	7.5	33.59	8.1	24.7	2.59
F04	06 Nov 2019	27	15.74	82.49	7.5	33.59	8.1	24.7	2.53
F04	06 Nov 2019	28	15.61	82.91	7.4	33.60	8.1	24.8	2.36
F04	06 Nov 2019	29	15.34	83.34	7.3	33.61	8.1	24.8	2.15
F04	06 Nov 2019	30	15.20	84.33	7.2	33.60	8.1	24.8	1.86
F04	06 Nov 2019	31	15.14	85.01	7.2	33.60	8.1	24.9	1.50
F04	06 Nov 2019	32	15.09	85.27	7.1	33.60	8.1	24.9	1.31
F04	06 Nov 2019	33	15.09	85.71	7.1	33.59	8.1	24.9	1.15
F04	06 Nov 2019	34	15.05	85.72	7.1	33.60	8.1	24.9	1.07
F04	06 Nov 2019	35	15.01	85.79	7.1	33.60	8.1	24.9	1.02
F04	06 Nov 2019	36	14.98	85.85	7.0	33.60	8.1	24.9	1.00
F04	06 Nov 2019	37	14.97	85.88	7.0	33.60	8.1	24.9	0.98
F04	06 Nov 2019	38	14.93	86.01	7.0	33.60	8.1	24.9	0.87
F04	06 Nov 2019	39	14.92	85.97	7.0	33.60	8.1	24.9	0.87
F04	06 Nov 2019	40	14.90	85.98	6.9	33.60	8.1	24.9	0.82
F04	06 Nov 2019	41	14.90	86.14	6.9	33.60	8.1	24.9	0.77
F04	06 Nov 2019	42	14.91	86.10	6.9	33.60	8.1	24.9	0.76
F04	06 Nov 2019	43	14.90	86.11	6.9	33.60	8.1	24.9	0.78
F04	06 Nov 2019	44	14.90	86.20	6.9	33.60	8.1	24.9	0.76
F04	06 Nov 2019	45	14.88	86.11	6.9	33.60	8.1	24.9	0.77
F04	06 Nov 2019	46	14.87	86.06	6.9	33.60	8.1	24.9	0.73
F04	06 Nov 2019	47	14.86	86.05	6.9	33.60	8.1	24.9	0.73
F04	06 Nov 2019	48	14.82	86.12	6.8	33.61	8.1	24.9	0.72
F04	06 Nov 2019	49	14.77	86.08	6.8	33.61	8.1	24.9	0.69
F04	06 Nov 2019	50	14.72	86.20	6.7	33.61	8.1	25.0	0.63
F04	06 Nov 2019	51	14.67	86.25	6.7	33.60	8.1	25.0	0.63
F04	06 Nov 2019	52	14.58	86.29	6.7	33.61	8.1	25.0	0.73
F04	06 Nov 2019	53	14.47	86.46	6.7	33.60	8.1	25.0	0.66
F04	06 Nov 2019	54	14.38	86.63	6.7	33.60	8.0	25.0	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F04	06 Nov 2019	55	14.33	86.70	6.8	33.59	8.0	25.0	0.53
F04	06 Nov 2019	56	14.30	86.86	6.8	33.59	8.1	25.0	0.53
F04	06 Nov 2019	57	14.26	86.92	6.7	33.59	8.0	25.0	0.50
F04	06 Nov 2019	58	14.13	86.60	6.5	33.61	8.0	25.1	0.49
F04	06 Nov 2019	59	13.89	86.41	6.4	33.59	8.0	25.1	0.46
F04	06 Nov 2019	60	13.74	85.90	6.3	33.61	8.0	25.2	0.49
F04	06 Nov 2019	61	13.60	84.85	6.2	33.60	8.0	25.2	0.44
F04	06 Nov 2019	62	13.62	85.07	6.2	33.60	8.0	25.2	0.43
F05	06 Nov 2019	1	17.39	80.16	8.7	33.63	8.2	24.4	1.23
F05	06 Nov 2019	2	17.33	79.80	8.7	33.63	8.2	24.4	1.39
F05	06 Nov 2019	3	17.30	79.38	8.7	33.63	8.2	24.4	1.68
F05	06 Nov 2019	4	17.29	79.29	8.7	33.63	8.2	24.4	1.88
F05	06 Nov 2019	5	17.28	79.22	8.7	33.63	8.2	24.4	2.06
F05	06 Nov 2019	6	17.25	79.09	8.6	33.63	8.2	24.4	2.20
F05	06 Nov 2019	7	17.23	79.09	8.6	33.63	8.2	24.4	2.28
F05	06 Nov 2019	8	17.18	78.95	8.6	33.63	8.2	24.4	2.52
F05	06 Nov 2019	9	17.15	78.95	8.5	33.63	8.2	24.4	2.67
F05	06 Nov 2019	10	17.02	79.13	8.4	33.63	8.2	24.5	2.82
F05	06 Nov 2019	11	16.88	79.63	8.4	33.62	8.2	24.5	2.90
F05	06 Nov 2019	12	16.82	80.40	8.4	33.61	8.2	24.5	2.84
F05	06 Nov 2019	13	16.74	80.55	8.3	33.61	8.2	24.5	2.83
F05	06 Nov 2019	14	16.65	80.64	8.2	33.61	8.2	24.5	2.79
F05	06 Nov 2019	15	16.64	80.77	8.2	33.61	8.2	24.5	2.84
F05	06 Nov 2019	16	16.61	80.76	8.1	33.61	8.2	24.5	2.82
F05	06 Nov 2019	17	16.57	80.88	8.1	33.61	8.2	24.5	2.89
F05	06 Nov 2019	18	16.57	81.01	8.0	33.61	8.2	24.5	2.86
F05	06 Nov 2019	19	16.48	81.10	7.9	33.61	8.2	24.6	2.88
F05	06 Nov 2019	20	16.37	81.41	7.8	33.61	8.2	24.6	2.85
F05	06 Nov 2019	21	16.27	81.72	7.8	33.61	8.2	24.6	2.75
F05	06 Nov 2019	22	16.26	81.91	7.7	33.60	8.2	24.6	2.74
F05	06 Nov 2019	23	16.18	82.18	7.7	33.61	8.1	24.6	2.61
F05	06 Nov 2019	24	16.08	82.65	7.6	33.60	8.1	24.7	2.38
F05	06 Nov 2019	25	16.10	82.69	7.6	33.60	8.1	24.6	2.27
F05	06 Nov 2019	26	16.03	83.01	7.6	33.60	8.1	24.7	2.14
F05	06 Nov 2019	27	16.01	83.32	7.6	33.60	8.1	24.7	1.99
F05	06 Nov 2019	28	15.98	83.64	7.6	33.60	8.1	24.7	1.99
F05	06 Nov 2019	29	15.92	83.97	7.5	33.60	8.1	24.7	1.74
F05	06 Nov 2019	30	15.89	84.26	7.5	33.60	8.1	24.7	1.52
F05	06 Nov 2019	31	15.79	84.59	7.4	33.61	8.1	24.7	1.34
F05	06 Nov 2019	32	15.69	85.33	7.4	33.60	8.1	24.7	1.13
F05	06 Nov 2019	33	15.58	85.80	7.2	33.61	8.1	24.8	0.97
F05	06 Nov 2019	34	15.36	86.02	7.1	33.61	8.1	24.8	0.78
F05	06 Nov 2019	35	15.32	86.22	7.1	33.60	8.1	24.8	0.68
F05	06 Nov 2019	36	15.18	86.25	7.0	33.61	8.1	24.9	0.67
F05	06 Nov 2019	37	15.02	86.16	7.0	33.60	8.1	24.9	0.64
F05	06 Nov 2019	38	14.98	86.17	7.0	33.60	8.1	24.9	0.67
F05	06 Nov 2019	39	14.96	86.20	7.0	33.60	8.1	24.9	0.69
F05	06 Nov 2019	40	14.93	86.22	7.0	33.60	8.1	24.9	0.70
F05	06 Nov 2019	41	14.93	86.25	7.0	33.60	8.1	24.9	0.72
F05	06 Nov 2019	42	14.92	86.33	7.0	33.60	8.1	24.9	0.78
F05	06 Nov 2019	43	14.91	86.34	7.0	33.60	8.1	24.9	0.68
F05	06 Nov 2019	44	14.89	86.31	7.0	33.60	8.1	24.9	0.69
F05	06 Nov 2019	45	14.89	86.37	7.0	33.60	8.1	24.9	0.67
F05	06 Nov 2019	46	14.79	86.49	6.9	33.61	8.1	24.9	0.65
F05	06 Nov 2019	47	14.61	86.69	6.9	33.60	8.1	25.0	0.55
F05	06 Nov 2019	48	14.60	86.74	6.9	33.59	8.1	25.0	0.54
F05	06 Nov 2019	49	14.58	86.67	6.8	33.59	8.1	25.0	0.53
F05	06 Nov 2019	50	14.56	86.55	6.8	33.59	8.1	25.0	0.52
F05	06 Nov 2019	51	14.55	86.44	6.8	33.59	8.1	25.0	0.51
F05	06 Nov 2019	52	14.54	86.31	6.7	33.60	8.1	25.0	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F05	06 Nov 2019	53	14.49	86.11	6.6	33.60	8.1	25.0	0.51
	06 Nov 2019	54	14.40	85.79	6.6	33.60	8.0	25.0	0.48
	06 Nov 2019	55	14.32	85.48	6.5	33.60	8.0	25.0	0.45
	06 Nov 2019	56	14.18	85.27	6.5	33.60	8.0	25.1	0.45
	06 Nov 2019	57	14.06	84.97	6.4	33.60	8.0	25.1	0.44
	06 Nov 2019	58	13.93	84.75	6.3	33.60	8.0	25.1	0.42
	06 Nov 2019	59	13.80	84.45	6.3	33.60	8.0	25.1	0.43
	06 Nov 2019	60	13.60	84.34	6.2	33.61	8.0	25.2	0.44
	06 Nov 2019	61	13.68	83.76	6.2	33.59	8.0	25.2	0.45
F06	06 Nov 2019	1	17.61	79.01	8.6	33.63	8.2	24.3	1.19
	06 Nov 2019	2	17.51	79.14	8.6	33.64	8.2	24.4	1.33
	06 Nov 2019	3	17.39	79.06	8.6	33.63	8.2	24.4	1.72
	06 Nov 2019	4	17.38	77.55	8.6	33.64	8.2	24.4	2.10
	06 Nov 2019	5	17.33	77.38	8.6	33.63	8.2	24.4	2.40
	06 Nov 2019	6	17.27	78.15	8.6	33.63	8.2	24.4	2.63
	06 Nov 2019	7	17.23	78.49	8.6	33.62	8.2	24.4	2.81
	06 Nov 2019	8	17.21	78.73	8.6	33.62	8.2	24.4	2.86
	06 Nov 2019	9	17.20	78.97	8.6	33.62	8.2	24.4	2.88
	06 Nov 2019	10	17.16	79.15	8.5	33.62	8.2	24.4	2.83
	06 Nov 2019	11	17.12	79.30	8.5	33.62	8.2	24.4	2.75
	06 Nov 2019	12	17.02	80.10	8.5	33.62	8.2	24.4	2.64
	06 Nov 2019	13	16.97	80.64	8.5	33.61	8.2	24.5	2.56
	06 Nov 2019	14	16.92	80.78	8.5	33.61	8.2	24.5	2.53
	06 Nov 2019	15	16.85	81.09	8.4	33.61	8.2	24.5	2.56
	06 Nov 2019	16	16.70	81.11	8.3	33.61	8.2	24.5	2.59
	06 Nov 2019	17	16.67	81.12	8.2	33.60	8.2	24.5	2.69
	06 Nov 2019	18	16.64	81.06	8.2	33.60	8.2	24.5	2.76
	06 Nov 2019	19	16.63	81.14	8.2	33.60	8.2	24.5	2.83
	06 Nov 2019	20	16.63	80.94	8.2	33.60	8.2	24.5	2.84
	06 Nov 2019	21	16.62	80.90	8.2	33.60	8.2	24.5	2.92
	06 Nov 2019	22	16.60	80.94	8.1	33.60	8.2	24.5	2.88
	06 Nov 2019	23	16.54	80.90	8.0	33.61	8.2	24.6	2.98
	06 Nov 2019	24	16.53	80.94	7.9	33.61	8.2	24.6	3.00
	06 Nov 2019	25	16.52	81.14	7.9	33.61	8.2	24.6	2.96
	06 Nov 2019	26	16.50	81.10	7.9	33.61	8.2	24.6	2.89
	06 Nov 2019	27	16.48	81.38	7.9	33.61	8.2	24.6	2.78
	06 Nov 2019	28	16.47	81.74	7.8	33.61	8.2	24.6	2.78
	06 Nov 2019	29	16.45	81.80	7.8	33.61	8.2	24.6	2.66
	06 Nov 2019	30	16.44	81.98	7.8	33.61	8.2	24.6	2.65
	06 Nov 2019	31	16.44	81.83	7.8	33.61	8.2	24.6	2.60
	06 Nov 2019	32	16.43	82.02	7.7	33.61	8.2	24.6	2.53
	06 Nov 2019	33	16.39	82.11	7.7	33.62	8.2	24.6	2.51
	06 Nov 2019	34	16.32	82.34	7.7	33.61	8.2	24.6	2.60
	06 Nov 2019	35	16.28	82.33	7.7	33.61	8.2	24.6	2.57
	06 Nov 2019	36	16.13	82.17	7.7	33.60	8.2	24.6	2.48
	06 Nov 2019	37	16.07	82.41	7.7	33.59	8.1	24.7	2.44
	06 Nov 2019	38	15.98	82.74	7.6	33.60	8.1	24.7	2.22
	06 Nov 2019	39	15.82	83.34	7.5	33.61	8.1	24.7	2.05
	06 Nov 2019	40	15.70	83.74	7.5	33.60	8.1	24.7	1.93
	06 Nov 2019	41	15.52	83.94	7.3	33.61	8.1	24.8	1.78
	06 Nov 2019	42	15.34	84.58	7.2	33.60	8.1	24.8	1.64
	06 Nov 2019	43	15.23	84.71	7.1	33.60	8.1	24.8	1.40
	06 Nov 2019	44	15.09	84.85	7.0	33.60	8.1	24.9	1.18
	06 Nov 2019	45	14.86	85.77	6.9	33.60	8.1	24.9	0.82
	06 Nov 2019	46	14.74	86.07	6.8	33.60	8.1	24.9	0.68
	06 Nov 2019	47	14.66	85.95	6.7	33.60	8.1	25.0	0.64
	06 Nov 2019	48	14.55	85.85	6.6	33.60	8.1	25.0	0.54
	06 Nov 2019	49	14.47	85.72	6.6	33.60	8.1	25.0	0.48
	06 Nov 2019	50	14.35	85.70	6.6	33.60	8.0	25.0	0.59
	06 Nov 2019	51	14.30	85.72	6.6	33.59	8.0	25.0	0.50

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F06	06 Nov 2019	52	14.24	85.90	6.6	33.59	8.0	25.1	0.50
F06	06 Nov 2019	53	14.01	85.96	6.5	33.60	8.0	25.1	0.49
F06	06 Nov 2019	54	13.71	85.71	6.5	33.61	8.0	25.2	0.48
F06	06 Nov 2019	55	13.56	85.72	6.4	33.59	8.0	25.2	0.47
F06	06 Nov 2019	56	13.47	85.78	6.3	33.59	8.0	25.2	0.46
F06	06 Nov 2019	57	13.32	85.40	6.2	33.60	8.0	25.2	0.46
F06	06 Nov 2019	58	13.19	85.36	6.1	33.59	8.0	25.3	0.46
F06	06 Nov 2019	59	13.12	85.65	6.1	33.59	8.0	25.3	0.45
F06	06 Nov 2019	60	13.03	85.61	6.0	33.60	8.0	25.3	0.43
F06	06 Nov 2019	61	12.84	85.21	6.0	33.61	8.0	25.4	0.43
F06	06 Nov 2019	62	13.07	85.15	6.0	33.59	8.0	25.3	0.44
F07	06 Nov 2019	1	17.38	77.77	8.5	33.65	8.2	24.4	1.32
F07	06 Nov 2019	2	17.33	77.69	8.5	33.64	8.2	24.4	1.48
F07	06 Nov 2019	3	17.29	78.01	8.6	33.63	8.2	24.4	1.64
F07	06 Nov 2019	4	17.25	78.24	8.6	33.63	8.2	24.4	1.80
F07	06 Nov 2019	5	17.23	78.93	8.7	33.62	8.2	24.4	1.99
F07	06 Nov 2019	6	17.21	79.42	8.6	33.62	8.2	24.4	2.13
F07	06 Nov 2019	7	17.18	79.68	8.7	33.62	8.2	24.4	2.29
F07	06 Nov 2019	8	17.16	80.01	8.7	33.62	8.2	24.4	2.35
F07	06 Nov 2019	9	17.14	80.15	8.7	33.62	8.2	24.4	2.46
F07	06 Nov 2019	10	17.14	80.25	8.6	33.62	8.2	24.4	2.41
F07	06 Nov 2019	11	17.12	80.29	8.7	33.62	8.2	24.4	2.57
F07	06 Nov 2019	12	17.11	80.40	8.6	33.62	8.2	24.4	2.52
F07	06 Nov 2019	13	17.08	80.62	8.6	33.62	8.2	24.4	2.51
F07	06 Nov 2019	14	16.97	80.97	8.4	33.62	8.2	24.5	2.51
F07	06 Nov 2019	15	16.75	81.05	8.4	33.61	8.2	24.5	2.57
F07	06 Nov 2019	16	16.72	81.15	8.3	33.60	8.2	24.5	2.65
F07	06 Nov 2019	17	16.68	80.85	8.3	33.60	8.2	24.5	2.76
F07	06 Nov 2019	18	16.64	80.93	8.2	33.60	8.2	24.5	2.89
F07	06 Nov 2019	19	16.59	81.10	8.1	33.60	8.2	24.5	2.93
F07	06 Nov 2019	20	16.56	81.68	8.0	33.60	8.2	24.5	2.88
F07	06 Nov 2019	21	16.52	81.73	8.0	33.60	8.2	24.6	2.87
F07	06 Nov 2019	22	16.46	81.90	7.9	33.60	8.2	24.6	2.88
F07	06 Nov 2019	23	16.42	82.17	7.8	33.60	8.2	24.6	2.83
F07	06 Nov 2019	24	16.40	82.26	7.8	33.60	8.2	24.6	2.70
F07	06 Nov 2019	25	16.39	82.34	7.8	33.60	8.2	24.6	2.73
F07	06 Nov 2019	26	16.38	82.49	7.8	33.60	8.2	24.6	2.63
F07	06 Nov 2019	27	16.35	82.72	7.8	33.60	8.2	24.6	2.50
F07	06 Nov 2019	28	16.25	83.08	7.7	33.61	8.1	24.6	2.26
F07	06 Nov 2019	29	16.19	83.39	7.6	33.60	8.1	24.6	2.18
F07	06 Nov 2019	30	16.14	83.56	7.6	33.60	8.1	24.6	2.02
F07	06 Nov 2019	31	16.11	83.65	7.6	33.60	8.1	24.6	1.91
F07	06 Nov 2019	32	16.09	83.81	7.5	33.60	8.1	24.7	1.84
F07	06 Nov 2019	33	16.10	83.89	7.6	33.60	8.1	24.7	1.82
F07	06 Nov 2019	34	16.06	83.86	7.6	33.60	8.1	24.7	1.80
F07	06 Nov 2019	35	16.02	83.84	7.5	33.60	8.1	24.7	1.83
F07	06 Nov 2019	36	15.97	84.00	7.5	33.61	8.1	24.7	1.76
F07	06 Nov 2019	37	15.77	84.06	7.5	33.60	8.1	24.7	1.63
F07	06 Nov 2019	38	15.66	84.14	7.5	33.60	8.1	24.7	1.55
F07	06 Nov 2019	39	15.62	84.39	7.5	33.60	8.1	24.8	1.49
F07	06 Nov 2019	40	15.54	84.58	7.4	33.60	8.1	24.8	1.42
F07	06 Nov 2019	41	15.42	84.65	7.4	33.60	8.1	24.8	1.48
F07	06 Nov 2019	42	15.26	84.87	7.3	33.61	8.1	24.8	1.43
F07	06 Nov 2019	43	14.88	84.91	7.2	33.61	8.1	24.9	1.44
F07	06 Nov 2019	44	14.70	85.36	7.2	33.59	8.1	25.0	1.29
F07	06 Nov 2019	45	14.66	85.64	7.1	33.59	8.1	25.0	1.08
F07	06 Nov 2019	46	14.64	85.80	7.1	33.58	8.1	25.0	1.01
F07	06 Nov 2019	47	14.63	85.93	7.0	33.58	8.1	25.0	0.97
F07	06 Nov 2019	48	14.62	86.03	7.0	33.58	8.1	25.0	0.94
F07	06 Nov 2019	49	14.38	86.29	6.8	33.62	8.1	25.0	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	06 Nov 2019	50	13.89	86.45	6.6	33.61	8.0	25.1	0.60
F07	06 Nov 2019	51	13.77	86.45	6.6	33.60	8.0	25.2	0.55
F07	06 Nov 2019	52	13.66	86.53	6.5	33.59	8.0	25.2	0.54
F07	06 Nov 2019	53	13.52	86.77	6.5	33.60	8.0	25.2	0.53
F07	06 Nov 2019	54	13.34	86.81	6.4	33.60	8.0	25.2	0.49
F07	06 Nov 2019	55	13.22	86.80	6.3	33.60	8.0	25.3	0.49
F07	06 Nov 2019	56	13.12	86.78	6.2	33.60	8.0	25.3	0.47
F07	06 Nov 2019	57	13.05	86.97	6.2	33.60	8.0	25.3	0.45
F07	06 Nov 2019	58	13.02	86.45	6.1	33.60	8.0	25.3	0.44
F07	06 Nov 2019	59	13.01	85.67	6.0	33.60	8.0	25.3	0.43
F07	06 Nov 2019	60	12.99	85.40	6.0	33.60	8.0	25.3	0.42
F07	06 Nov 2019	61	12.97	85.10	5.9	33.60	8.0	25.3	0.42
F07	06 Nov 2019	62	12.93	84.79	5.9	33.61	8.0	25.3	0.42
F07	06 Nov 2019	63	12.86	84.88	5.9	33.61	8.0	25.3	0.41
F07	06 Nov 2019	64	12.83	84.62	5.8	33.61	8.0	25.4	0.40
F07	06 Nov 2019	65	12.85	84.74	5.8	33.61	8.0	25.3	0.40
F08	06 Nov 2019	1	17.37	81.04	8.7	33.62	8.2	24.4	0.95
F08	06 Nov 2019	2	17.35	80.91	8.7	33.62	8.2	24.4	1.06
F08	06 Nov 2019	3	17.34	80.52	8.7	33.62	8.2	24.4	1.22
F08	06 Nov 2019	4	17.30	80.47	8.7	33.62	8.2	24.4	1.36
F08	06 Nov 2019	5	17.28	80.54	8.6	33.62	8.2	24.4	1.54
F08	06 Nov 2019	6	17.28	80.48	8.7	33.62	8.2	24.4	1.70
F08	06 Nov 2019	7	17.27	80.46	8.6	33.62	8.2	24.4	1.85
F08	06 Nov 2019	8	17.26	80.57	8.6	33.62	8.2	24.4	2.06
F08	06 Nov 2019	9	17.25	80.62	8.6	33.62	8.2	24.4	2.11
F08	06 Nov 2019	10	17.24	80.59	8.6	33.62	8.2	24.4	2.25
F08	06 Nov 2019	11	17.24	80.66	8.6	33.62	8.2	24.4	2.37
F08	06 Nov 2019	12	17.23	80.65	8.6	33.62	8.2	24.4	2.38
F08	06 Nov 2019	13	17.21	80.69	8.6	33.62	8.2	24.4	2.38
F08	06 Nov 2019	14	17.19	80.87	8.6	33.62	8.2	24.4	2.43
F08	06 Nov 2019	15	17.15	80.88	8.5	33.62	8.2	24.4	2.57
F08	06 Nov 2019	16	17.10	80.87	8.5	33.62	8.2	24.4	2.53
F08	06 Nov 2019	17	17.01	80.84	8.5	33.62	8.2	24.4	2.71
F08	06 Nov 2019	18	16.94	80.83	8.4	33.61	8.2	24.5	2.65
F08	06 Nov 2019	19	16.90	81.04	8.4	33.61	8.2	24.5	2.79
F08	06 Nov 2019	20	16.84	81.11	8.3	33.61	8.2	24.5	2.71
F08	06 Nov 2019	21	16.74	81.10	8.2	33.61	8.2	24.5	2.84
F08	06 Nov 2019	22	16.65	81.16	8.2	33.60	8.2	24.5	2.85
F08	06 Nov 2019	23	16.58	81.33	8.1	33.60	8.2	24.5	2.93
F08	06 Nov 2019	24	16.55	81.35	8.0	33.60	8.2	24.5	3.04
F08	06 Nov 2019	25	16.53	81.48	8.0	33.60	8.2	24.6	3.07
F08	06 Nov 2019	26	16.49	81.74	7.9	33.60	8.2	24.6	2.89
F08	06 Nov 2019	27	16.46	82.05	7.9	33.60	8.2	24.6	2.76
F08	06 Nov 2019	28	16.41	82.91	7.8	33.60	8.2	24.6	2.49
F08	06 Nov 2019	29	16.33	83.54	7.7	33.60	8.1	24.6	2.15
F08	06 Nov 2019	30	16.18	83.82	7.6	33.61	8.1	24.6	1.90
F08	06 Nov 2019	31	16.02	84.10	7.6	33.61	8.1	24.7	1.79
F08	06 Nov 2019	32	16.03	84.16	7.6	33.60	8.1	24.7	1.73
F08	06 Nov 2019	33	15.97	84.04	7.5	33.61	8.1	24.7	1.68
F08	06 Nov 2019	34	15.83	84.15	7.5	33.61	8.1	24.7	1.64
F08	06 Nov 2019	35	15.53	84.61	7.5	33.60	8.1	24.8	1.49
F08	06 Nov 2019	36	15.58	84.41	7.4	33.60	8.1	24.8	1.40
F08	06 Nov 2019	37	15.20	85.08	7.3	33.62	8.1	24.9	1.37
F08	06 Nov 2019	38	15.04	85.30	7.2	33.60	8.1	24.9	1.29
F08	06 Nov 2019	39	14.77	85.41	7.2	33.61	8.1	24.9	1.21
F08	06 Nov 2019	40	14.68	85.59	7.2	33.59	8.1	25.0	1.15
F08	06 Nov 2019	41	14.68	85.79	7.1	33.59	8.1	25.0	1.07
F08	06 Nov 2019	42	14.58	85.92	7.1	33.59	8.1	25.0	0.95
F08	06 Nov 2019	43	14.47	86.02	7.0	33.59	8.1	25.0	0.82
F08	06 Nov 2019	44	14.39	86.08	6.9	33.59	8.1	25.0	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F08	06 Nov 2019	45	14.36	86.21	6.8	33.58	8.1	25.0	0.71
F08	06 Nov 2019	46	14.04	86.45	6.6	33.62	8.1	25.1	0.61
F08	06 Nov 2019	47	13.77	86.48	6.5	33.61	8.0	25.2	0.57
F08	06 Nov 2019	48	13.70	86.23	6.4	33.60	8.0	25.2	0.51
F08	06 Nov 2019	49	13.63	86.09	6.4	33.60	8.0	25.2	0.50
F08	06 Nov 2019	50	13.53	86.37	6.3	33.60	8.0	25.2	0.49
F08	06 Nov 2019	51	13.23	86.69	6.2	33.61	8.0	25.3	0.47
F08	06 Nov 2019	52	13.13	86.34	6.2	33.60	8.0	25.3	0.44
F08	06 Nov 2019	53	13.10	86.06	6.1	33.60	8.0	25.3	0.43
F08	06 Nov 2019	54	13.08	85.84	6.1	33.60	8.0	25.3	0.44
F08	06 Nov 2019	55	13.08	85.70	6.1	33.60	8.0	25.3	0.42
F08	06 Nov 2019	56	13.06	85.69	6.0	33.60	8.0	25.3	0.42
F08	06 Nov 2019	57	13.06	85.59	6.0	33.60	8.0	25.3	0.41
F08	06 Nov 2019	58	12.99	85.50	6.0	33.61	8.0	25.3	0.41
F08	06 Nov 2019	59	12.95	85.33	6.0	33.61	8.0	25.3	0.42
F08	06 Nov 2019	60	12.94	85.06	5.9	33.61	8.0	25.3	0.40
F08	06 Nov 2019	61	12.95	85.08	5.9	33.61	8.0	25.3	0.40
F09	06 Nov 2019	1	17.71	82.42	8.5	33.63	8.2	24.3	0.80
F09	06 Nov 2019	2	17.67	82.14	8.5	33.63	8.2	24.3	0.85
F09	06 Nov 2019	3	17.60	82.31	8.5	33.63	8.2	24.3	0.99
F09	06 Nov 2019	4	17.56	82.10	8.5	33.63	8.2	24.3	1.17
F09	06 Nov 2019	5	17.55	81.90	8.5	33.63	8.2	24.3	1.38
F09	06 Nov 2019	6	17.54	81.76	8.6	33.63	8.2	24.3	1.59
F09	06 Nov 2019	7	17.53	81.78	8.5	33.63	8.2	24.3	1.68
F09	06 Nov 2019	8	17.51	81.73	8.5	33.63	8.2	24.3	1.75
F09	06 Nov 2019	9	17.33	81.55	8.4	33.64	8.2	24.4	1.96
F09	06 Nov 2019	10	17.03	81.36	8.4	33.62	8.2	24.4	2.25
F09	06 Nov 2019	11	16.91	81.15	8.4	33.61	8.2	24.5	2.45
F09	06 Nov 2019	12	16.86	80.98	8.4	33.61	8.2	24.5	2.63
F09	06 Nov 2019	13	16.83	80.87	8.4	33.61	8.2	24.5	2.59
F09	06 Nov 2019	14	16.80	80.96	8.3	33.61	8.2	24.5	2.72
F09	06 Nov 2019	15	16.75	80.96	8.3	33.61	8.2	24.5	2.80
F09	06 Nov 2019	16	16.67	80.78	8.2	33.61	8.2	24.5	3.01
F09	06 Nov 2019	17	16.60	80.84	8.1	33.61	8.2	24.5	3.13
F09	06 Nov 2019	18	16.56	80.86	8.0	33.60	8.2	24.5	3.16
F09	06 Nov 2019	19	16.54	80.84	8.0	33.61	8.2	24.6	3.12
F09	06 Nov 2019	20	16.52	80.89	8.0	33.61	8.2	24.6	3.33
F09	06 Nov 2019	21	16.52	80.86	7.9	33.61	8.2	24.6	3.22
F09	06 Nov 2019	22	16.51	81.22	7.9	33.61	8.2	24.6	3.08
F09	06 Nov 2019	23	16.49	81.53	7.9	33.62	8.2	24.6	2.86
F09	06 Nov 2019	24	16.49	81.61	7.8	33.62	8.2	24.6	2.76
F09	06 Nov 2019	25	16.43	82.19	7.7	33.62	8.2	24.6	2.44
F09	06 Nov 2019	26	16.36	82.79	7.6	33.62	8.2	24.6	2.12
F09	06 Nov 2019	27	16.22	83.34	7.6	33.63	8.1	24.6	1.96
F09	06 Nov 2019	28	16.05	83.96	7.5	33.61	8.1	24.7	1.74
F09	06 Nov 2019	29	15.95	84.25	7.5	33.60	8.1	24.7	1.55
F09	06 Nov 2019	30	15.85	84.55	7.5	33.60	8.1	24.7	1.48
F09	06 Nov 2019	31	15.72	84.54	7.5	33.60	8.1	24.7	1.48
F09	06 Nov 2019	32	15.58	84.68	7.5	33.60	8.1	24.8	1.42
F09	06 Nov 2019	33	15.53	84.56	7.5	33.60	8.1	24.8	1.45
F09	06 Nov 2019	34	15.42	84.89	7.5	33.60	8.1	24.8	1.44
F09	06 Nov 2019	35	15.40	84.98	7.4	33.59	8.1	24.8	1.39
F09	06 Nov 2019	36	15.38	85.11	7.4	33.59	8.1	24.8	1.33
F09	06 Nov 2019	37	15.33	85.38	7.4	33.60	8.1	24.8	1.19
F09	06 Nov 2019	38	15.23	85.58	7.3	33.61	8.1	24.8	1.15
F09	06 Nov 2019	39	14.97	85.79	7.3	33.61	8.1	24.9	1.03
F09	06 Nov 2019	40	14.86	85.73	7.2	33.60	8.1	24.9	1.09
F09	06 Nov 2019	41	14.79	85.72	7.2	33.60	8.1	24.9	1.09
F09	06 Nov 2019	42	14.78	85.66	7.2	33.59	8.1	24.9	1.08
F09	06 Nov 2019	43	14.77	85.68	7.2	33.59	8.1	24.9	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	06 Nov 2019	44	14.71	85.76	7.0	33.60	8.1	25.0	1.04
F09	06 Nov 2019	45	14.30	86.00	6.8	33.61	8.1	25.1	0.83
F09	06 Nov 2019	46	14.02	86.29	6.7	33.61	8.1	25.1	0.76
F09	06 Nov 2019	47	13.89	86.32	6.6	33.60	8.0	25.1	0.62
F09	06 Nov 2019	48	13.79	86.27	6.6	33.60	8.0	25.1	0.56
F09	06 Nov 2019	49	13.77	86.23	6.5	33.60	8.0	25.2	0.54
F09	06 Nov 2019	50	13.67	86.12	6.4	33.60	8.0	25.2	0.52
F09	06 Nov 2019	51	13.50	86.10	6.3	33.61	8.0	25.2	0.52
F09	06 Nov 2019	52	13.23	85.98	6.2	33.61	8.0	25.3	0.46
F09	06 Nov 2019	53	13.14	85.63	6.1	33.60	8.0	25.3	0.45
F09	06 Nov 2019	54	13.09	85.59	6.1	33.60	8.0	25.3	0.41
F09	06 Nov 2019	55	13.07	85.55	6.0	33.60	8.0	25.3	0.40
F09	06 Nov 2019	56	13.06	85.36	6.0	33.60	8.0	25.3	0.39
F09	06 Nov 2019	57	13.04	85.37	6.0	33.60	8.0	25.3	0.39
F09	06 Nov 2019	58	13.03	85.33	6.0	33.60	8.0	25.3	0.40
F09	06 Nov 2019	59	13.01	85.23	6.0	33.60	8.0	25.3	0.40
F09	06 Nov 2019	60	12.94	85.30	6.0	33.61	8.0	25.3	0.39
F09	06 Nov 2019	61	12.90	85.34	5.9	33.61	8.0	25.3	0.40
F09	06 Nov 2019	62	12.95	85.07	6.0	33.61	8.0	25.3	0.38
F10	06 Nov 2019	1	18.35	84.73	8.2	33.65	8.2	24.2	0.58
F10	06 Nov 2019	2	18.25	84.72	8.2	33.66	8.2	24.2	0.59
F10	06 Nov 2019	3	17.84	83.89	8.3	33.67	8.2	24.3	0.68
F10	06 Nov 2019	4	17.72	82.79	8.5	33.64	8.2	24.3	0.86
F10	06 Nov 2019	5	17.63	82.49	8.5	33.64	8.2	24.3	0.96
F10	06 Nov 2019	6	17.56	82.19	8.5	33.63	8.2	24.3	1.09
F10	06 Nov 2019	7	17.46	81.86	8.5	33.63	8.2	24.4	1.35
F10	06 Nov 2019	8	17.25	81.32	8.5	33.63	8.2	24.4	1.76
F10	06 Nov 2019	9	17.09	81.57	8.4	33.62	8.2	24.4	1.94
F10	06 Nov 2019	10	16.94	81.55	8.3	33.61	8.2	24.5	2.25
F10	06 Nov 2019	11	16.81	81.54	8.2	33.61	8.2	24.5	2.35
F10	06 Nov 2019	12	16.73	81.42	8.2	33.60	8.2	24.5	2.52
F10	06 Nov 2019	13	16.70	81.62	8.2	33.60	8.2	24.5	2.61
F10	06 Nov 2019	14	16.64	81.63	8.1	33.60	8.2	24.5	2.62
F10	06 Nov 2019	15	16.59	81.77	8.1	33.60	8.2	24.5	2.69
F10	06 Nov 2019	16	16.44	81.88	8.1	33.59	8.2	24.6	2.72
F10	06 Nov 2019	17	16.33	81.75	8.0	33.59	8.2	24.6	2.74
F10	06 Nov 2019	18	16.23	82.10	8.0	33.59	8.2	24.6	2.69
F10	06 Nov 2019	19	16.10	82.39	7.9	33.59	8.2	24.6	2.44
F10	06 Nov 2019	20	15.97	83.03	7.8	33.58	8.2	24.7	2.30
F10	06 Nov 2019	21	15.81	83.28	7.8	33.59	8.1	24.7	2.08
F10	06 Nov 2019	22	15.74	83.65	7.7	33.59	8.1	24.7	1.89
F10	06 Nov 2019	23	15.66	83.94	7.7	33.59	8.1	24.7	1.83
F10	06 Nov 2019	24	15.57	84.12	7.6	33.59	8.1	24.8	1.64
F10	06 Nov 2019	25	15.45	84.39	7.6	33.59	8.1	24.8	1.52
F10	06 Nov 2019	26	15.39	84.63	7.5	33.59	8.1	24.8	1.59
F10	06 Nov 2019	27	15.36	84.70	7.5	33.59	8.1	24.8	1.50
F10	06 Nov 2019	28	15.35	84.76	7.5	33.59	8.1	24.8	1.42
F10	06 Nov 2019	29	15.34	84.81	7.5	33.59	8.1	24.8	1.42
F10	06 Nov 2019	30	15.33	84.85	7.5	33.59	8.1	24.8	1.38
F10	06 Nov 2019	31	15.32	85.00	7.5	33.59	8.1	24.8	1.31
F10	06 Nov 2019	32	15.28	85.10	7.4	33.59	8.1	24.8	1.28
F10	06 Nov 2019	33	15.23	85.24	7.4	33.60	8.1	24.8	1.31
F10	06 Nov 2019	34	15.09	85.39	7.4	33.60	8.1	24.9	1.15
F10	06 Nov 2019	35	14.94	85.52	7.5	33.59	8.1	24.9	1.20
F10	06 Nov 2019	36	14.90	85.50	7.5	33.58	8.1	24.9	1.16
F10	06 Nov 2019	37	14.83	85.55	7.4	33.60	8.1	24.9	1.11
F10	06 Nov 2019	38	14.68	83.46	7.3	33.60	8.1	25.0	1.06
F10	06 Nov 2019	39	14.68	85.78	7.2	33.60	8.1	25.0	1.04
F10	06 Nov 2019	40	14.69	85.68	7.2	33.60	8.1	25.0	1.06
F10	06 Nov 2019	41	14.66	85.79	7.2	33.60	8.1	25.0	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	06 Nov 2019	42	14.55	85.88	7.1	33.60	8.1	25.0	1.03
F10	06 Nov 2019	43	14.45	85.85	7.0	33.59	8.1	25.0	0.90
F10	06 Nov 2019	44	14.04	86.14	6.7	33.62	8.1	25.1	0.71
F10	06 Nov 2019	45	13.80	86.23	6.6	33.60	8.0	25.2	0.59
F10	06 Nov 2019	46	13.69	86.17	6.5	33.60	8.0	25.2	0.54
F10	06 Nov 2019	47	13.63	85.99	6.5	33.60	8.0	25.2	0.51
F10	06 Nov 2019	48	13.61	86.15	6.4	33.60	8.0	25.2	0.51
F10	06 Nov 2019	49	13.56	86.38	6.4	33.60	8.0	25.2	0.50
F10	06 Nov 2019	50	13.41	86.70	6.3	33.62	8.0	25.2	0.50
F10	06 Nov 2019	51	13.16	86.91	6.2	33.61	8.0	25.3	0.48
F10	06 Nov 2019	52	13.10	86.60	6.1	33.60	8.0	25.3	0.43
F10	06 Nov 2019	53	13.10	86.06	6.1	33.60	8.0	25.3	0.40
F10	06 Nov 2019	54	13.09	86.02	6.1	33.59	8.0	25.3	0.40
F10	06 Nov 2019	55	13.09	85.99	6.1	33.60	8.0	25.3	0.40
F10	06 Nov 2019	56	13.08	85.82	6.1	33.60	8.0	25.3	0.39
F10	06 Nov 2019	57	13.07	85.63	6.0	33.60	8.0	25.3	0.40
F10	06 Nov 2019	58	13.04	85.47	6.0	33.60	8.0	25.3	0.40
F10	06 Nov 2019	59	13.03	85.14	6.0	33.60	8.0	25.3	0.39
F10	06 Nov 2019	60	13.02	84.85	6.0	33.60	8.0	25.3	0.38
F10	06 Nov 2019	61	13.02	84.65	6.0	33.60	8.0	25.3	0.38
F10	06 Nov 2019	62	13.02	84.49	6.0	33.60	8.0	25.3	0.39
F11	06 Nov 2019	1	18.34	84.74	8.3	33.63	8.2	24.1	0.58
F11	06 Nov 2019	2	18.36	83.91	8.3	33.63	8.2	24.1	0.59
F11	06 Nov 2019	3	18.05	84.04	8.4	33.62	8.2	24.2	0.66
F11	06 Nov 2019	4	17.80	84.56	8.6	33.60	8.2	24.2	0.88
F11	06 Nov 2019	5	17.73	82.99	8.5	33.63	8.2	24.3	1.32
F11	06 Nov 2019	6	17.35	81.98	8.6	33.64	8.2	24.4	1.64
F11	06 Nov 2019	7	17.21	81.23	8.5	33.62	8.2	24.4	1.96
F11	06 Nov 2019	8	17.11	80.86	8.5	33.61	8.2	24.4	2.11
F11	06 Nov 2019	9	17.05	80.76	8.4	33.61	8.2	24.4	2.22
F11	06 Nov 2019	10	16.96	80.99	8.4	33.61	8.2	24.5	2.26
F11	06 Nov 2019	11	16.88	81.34	8.3	33.60	8.2	24.5	2.37
F11	06 Nov 2019	12	16.80	81.22	8.2	33.60	8.2	24.5	2.54
F11	06 Nov 2019	13	16.70	81.00	8.1	33.61	8.2	24.5	2.80
F11	06 Nov 2019	14	16.59	80.65	8.0	33.61	8.2	24.5	3.01
F11	06 Nov 2019	15	16.55	80.85	7.9	33.61	8.2	24.5	3.08
F11	06 Nov 2019	16	16.52	80.91	7.9	33.61	8.2	24.6	3.06
F11	06 Nov 2019	17	16.48	81.17	7.8	33.61	8.2	24.6	3.06
F11	06 Nov 2019	18	16.47	81.33	7.8	33.61	8.2	24.6	3.02
F11	06 Nov 2019	19	16.45	81.33	7.8	33.61	8.2	24.6	2.97
F11	06 Nov 2019	20	16.44	81.46	7.8	33.61	8.2	24.6	2.99
F11	06 Nov 2019	21	16.40	81.66	7.8	33.61	8.2	24.6	2.86
F11	06 Nov 2019	22	16.17	81.83	8.0	33.59	8.2	24.6	2.82
F11	06 Nov 2019	23	15.98	81.84	8.1	33.57	8.2	24.7	2.74
F11	06 Nov 2019	24	15.90	82.23	8.0	33.57	8.2	24.7	2.70
F11	06 Nov 2019	25	15.82	82.31	8.0	33.57	8.1	24.7	2.59
F11	06 Nov 2019	26	15.79	82.39	8.0	33.57	8.1	24.7	2.52
F11	06 Nov 2019	27	15.72	82.79	7.9	33.57	8.1	24.7	2.36
F11	06 Nov 2019	28	15.63	83.01	7.8	33.57	8.1	24.7	2.20
F11	06 Nov 2019	29	15.59	83.23	7.8	33.57	8.1	24.7	2.07
F11	06 Nov 2019	30	15.56	83.28	7.8	33.57	8.1	24.7	2.06
F11	06 Nov 2019	31	15.52	83.56	7.8	33.57	8.1	24.8	1.96
F11	06 Nov 2019	32	15.47	83.66	7.7	33.58	8.1	24.8	1.93
F11	06 Nov 2019	33	15.37	83.93	7.7	33.58	8.1	24.8	1.77
F11	06 Nov 2019	34	15.29	84.14	7.6	33.58	8.1	24.8	1.70
F11	06 Nov 2019	35	15.16	84.26	7.6	33.59	8.1	24.9	1.54
F11	06 Nov 2019	36	15.03	84.63	7.5	33.59	8.1	24.9	1.45
F11	06 Nov 2019	37	14.97	84.86	7.5	33.59	8.1	24.9	1.36
F11	06 Nov 2019	38	14.87	84.96	7.4	33.59	8.1	24.9	1.28
F11	06 Nov 2019	39	14.83	85.19	7.3	33.59	8.1	24.9	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F11	06 Nov 2019	40	14.67	85.32	7.3	33.60	8.1	25.0	1.15
F11	06 Nov 2019	41	14.55	85.48	7.2	33.60	8.1	25.0	1.12
F11	06 Nov 2019	42	14.57	85.43	7.2	33.59	8.1	25.0	1.05
F11	06 Nov 2019	43	14.45	85.80	7.1	33.60	8.1	25.0	0.96
F11	06 Nov 2019	44	14.34	86.13	7.0	33.59	8.1	25.0	0.80
F11	06 Nov 2019	45	14.12	86.41	6.8	33.60	8.1	25.1	0.65
F11	06 Nov 2019	46	13.78	86.63	6.6	33.60	8.0	25.2	0.56
F11	06 Nov 2019	47	13.71	86.71	6.5	33.59	8.0	25.2	0.48
F11	06 Nov 2019	48	13.68	86.64	6.5	33.59	8.0	25.2	0.47
F11	06 Nov 2019	49	13.59	86.81	6.5	33.60	8.0	25.2	0.47
F11	06 Nov 2019	50	13.50	86.89	6.4	33.60	8.0	25.2	0.45
F11	06 Nov 2019	51	13.38	86.75	6.4	33.60	8.0	25.2	0.45
F11	06 Nov 2019	52	13.31	86.99	6.3	33.59	8.0	25.2	0.44
F11	06 Nov 2019	53	13.23	86.96	6.3	33.59	8.0	25.3	0.42
F11	06 Nov 2019	54	13.18	86.60	6.2	33.59	8.0	25.3	0.41
F11	06 Nov 2019	55	13.16	86.49	6.2	33.59	8.0	25.3	0.40
F11	06 Nov 2019	56	13.12	86.71	6.2	33.59	8.0	25.3	0.40
F11	06 Nov 2019	57	13.12	86.47	6.1	33.59	8.0	25.3	0.40
F11	06 Nov 2019	58	13.12	85.96	6.1	33.60	8.0	25.3	0.39
F11	06 Nov 2019	59	13.12	85.53	6.0	33.60	8.0	25.3	0.39
F11	06 Nov 2019	60	13.11	84.84	6.0	33.60	8.0	25.3	0.39
F11	06 Nov 2019	61	13.11	84.86	6.0	33.60	8.0	25.3	0.38
F12	06 Nov 2019	1	18.52	84.91	8.2	33.65	8.2	24.1	0.57
F12	06 Nov 2019	2	18.51	84.98	8.2	33.65	8.2	24.1	0.58
F12	06 Nov 2019	3	18.51	84.93	8.2	33.66	8.2	24.1	0.60
F12	06 Nov 2019	4	18.49	85.00	8.2	33.65	8.2	24.1	0.67
F12	06 Nov 2019	5	18.36	84.93	8.1	33.66	8.2	24.2	0.77
F12	06 Nov 2019	6	17.25	84.81	8.4	33.62	8.2	24.4	0.85
F12	06 Nov 2019	7	16.64	85.06	8.6	33.53	8.2	24.5	0.93
F12	06 Nov 2019	8	16.48	84.79	8.4	33.55	8.2	24.5	1.11
F12	06 Nov 2019	9	16.48	84.13	8.1	33.58	8.2	24.5	1.27
F12	06 Nov 2019	10	16.41	83.82	7.8	33.60	8.2	24.6	1.41
F12	06 Nov 2019	11	16.38	83.51	7.7	33.60	8.1	24.6	1.61
F12	06 Nov 2019	12	16.36	83.06	7.7	33.60	8.1	24.6	1.80
F12	06 Nov 2019	13	16.34	83.00	7.7	33.60	8.1	24.6	1.97
F12	06 Nov 2019	14	16.34	82.87	7.7	33.60	8.1	24.6	2.09
F12	06 Nov 2019	15	16.33	82.79	7.7	33.60	8.1	24.6	2.12
F12	06 Nov 2019	16	16.33	82.96	7.7	33.61	8.1	24.6	2.10
F12	06 Nov 2019	17	16.32	83.04	7.6	33.61	8.1	24.6	2.12
F12	06 Nov 2019	18	16.29	83.06	7.6	33.61	8.1	24.6	2.11
F12	06 Nov 2019	19	16.22	83.39	7.6	33.61	8.1	24.6	2.01
F12	06 Nov 2019	20	16.16	83.86	7.5	33.61	8.1	24.6	1.92
F12	06 Nov 2019	21	16.14	83.91	7.5	33.61	8.1	24.6	1.87
F12	06 Nov 2019	22	16.12	84.17	7.5	33.61	8.1	24.7	1.75
F12	06 Nov 2019	23	16.05	84.44	7.4	33.61	8.1	24.7	1.65
F12	06 Nov 2019	24	16.01	84.68	7.4	33.61	8.1	24.7	1.33
F12	06 Nov 2019	25	15.89	85.05	7.3	33.62	8.1	24.7	1.06
F12	06 Nov 2019	26	15.43	85.71	7.2	33.62	8.1	24.8	0.88
F12	06 Nov 2019	27	15.07	86.23	7.2	33.59	8.1	24.9	0.73
F12	06 Nov 2019	28	15.04	86.40	7.2	33.58	8.1	24.9	0.70
F12	06 Nov 2019	29	15.04	86.41	7.2	33.58	8.1	24.9	0.66
F12	06 Nov 2019	30	15.00	86.44	7.1	33.59	8.1	24.9	0.64
F12	06 Nov 2019	31	14.90	86.46	7.2	33.58	8.1	24.9	0.63
F12	06 Nov 2019	32	14.92	86.53	7.2	33.58	8.1	24.9	0.65
F12	06 Nov 2019	33	14.79	86.51	7.2	33.58	8.1	24.9	0.69
F12	06 Nov 2019	34	14.77	86.57	7.2	33.57	8.1	24.9	0.64
F12	06 Nov 2019	35	14.76	86.53	7.2	33.57	8.1	24.9	0.66
F12	06 Nov 2019	36	14.73	86.59	7.2	33.58	8.1	24.9	0.66
F12	06 Nov 2019	37	14.65	86.61	7.1	33.58	8.1	25.0	0.65
F12	06 Nov 2019	38	14.57	86.68	7.0	33.58	8.1	25.0	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F12	06 Nov 2019	39	14.48	86.74	6.9	33.58	8.1	25.0	0.57
F12	06 Nov 2019	40	14.30	86.90	6.7	33.60	8.0	25.0	0.51
F12	06 Nov 2019	41	13.94	86.75	6.5	33.61	8.0	25.1	0.47
F12	06 Nov 2019	42	13.72	86.49	6.4	33.60	8.0	25.2	0.42
F12	06 Nov 2019	43	13.63	86.46	6.3	33.59	8.0	25.2	0.41
F12	06 Nov 2019	44	13.59	86.46	6.3	33.59	8.0	25.2	0.41
F12	06 Nov 2019	45	13.54	86.58	6.3	33.59	8.0	25.2	0.40
F12	06 Nov 2019	46	13.50	86.56	6.3	33.59	8.0	25.2	0.40
F12	06 Nov 2019	47	13.42	86.59	6.3	33.59	8.0	25.2	0.41
F12	06 Nov 2019	48	13.39	86.59	6.2	33.60	8.0	25.2	0.42
F12	06 Nov 2019	49	13.33	86.44	6.2	33.60	8.0	25.2	0.40
F12	06 Nov 2019	50	13.28	86.49	6.2	33.60	8.0	25.3	0.42
F12	06 Nov 2019	51	13.19	86.51	6.1	33.60	8.0	25.3	0.40
F12	06 Nov 2019	52	13.07	86.20	6.0	33.60	8.0	25.3	0.39
F12	06 Nov 2019	53	13.04	86.11	6.0	33.60	8.0	25.3	0.38
F12	06 Nov 2019	54	13.03	86.43	6.0	33.60	8.0	25.3	0.39
F12	06 Nov 2019	55	13.01	86.29	6.0	33.60	8.0	25.3	0.38
F12	06 Nov 2019	56	13.00	86.26	6.0	33.60	8.0	25.3	0.41
F12	06 Nov 2019	57	13.00	86.05	6.0	33.60	8.0	25.3	0.38
F12	06 Nov 2019	58	12.99	85.68	5.9	33.61	8.0	25.3	0.38
F12	06 Nov 2019	59	12.98	85.43	5.9	33.61	8.0	25.3	0.38
F12	06 Nov 2019	60	12.97	85.17	5.9	33.61	8.0	25.3	0.37
F12	06 Nov 2019	61	12.96	84.86	5.9	33.61	8.0	25.3	0.37
F12	06 Nov 2019	62	12.96	84.64	5.9	33.61	8.0	25.3	0.36
F13	06 Nov 2019	1	18.25	84.23	8.2	33.65	8.2	24.2	0.72
F13	06 Nov 2019	2	18.18	84.50	8.2	33.66	8.2	24.2	0.73
F13	06 Nov 2019	3	18.00	84.50	8.2	33.65	8.2	24.2	0.82
F13	06 Nov 2019	4	17.96	84.16	8.3	33.64	8.2	24.2	0.90
F13	06 Nov 2019	5	17.90	84.12	8.3	33.64	8.2	24.3	0.98
F13	06 Nov 2019	6	17.82	83.87	8.3	33.63	8.2	24.3	1.12
F13	06 Nov 2019	7	17.68	83.77	8.4	33.63	8.2	24.3	1.22
F13	06 Nov 2019	8	17.43	83.75	8.5	33.60	8.2	24.3	1.20
F13	06 Nov 2019	9	17.35	84.02	8.5	33.59	8.2	24.3	1.15
F13	06 Nov 2019	10	17.24	83.98	8.5	33.58	8.2	24.4	1.17
F13	06 Nov 2019	11	16.83	84.14	8.5	33.58	8.2	24.5	1.17
F13	06 Nov 2019	12	16.49	84.09	8.5	33.55	8.2	24.5	1.23
F13	06 Nov 2019	13	15.76	84.57	8.6	33.51	8.2	24.7	1.21
F13	06 Nov 2019	14	15.69	85.00	8.7	33.47	8.2	24.6	1.22
F13	06 Nov 2019	15	15.72	84.84	8.6	33.48	8.2	24.6	1.32
F13	06 Nov 2019	16	15.73	84.70	8.3	33.48	8.2	24.6	1.31
F13	06 Nov 2019	17	15.85	84.38	7.8	33.56	8.1	24.7	1.50
F13	06 Nov 2019	18	15.85	84.33	7.5	33.59	8.1	24.7	1.57
F13	06 Nov 2019	19	15.81	84.65	7.5	33.60	8.1	24.7	1.52
F13	06 Nov 2019	20	15.73	84.84	7.4	33.60	8.1	24.7	1.43
F13	06 Nov 2019	21	15.68	84.98	7.4	33.60	8.1	24.7	1.32
F13	06 Nov 2019	22	15.57	85.40	7.3	33.60	8.1	24.8	1.15
F13	06 Nov 2019	23	15.48	85.74	7.3	33.60	8.1	24.8	1.02
F13	06 Nov 2019	24	15.34	85.84	7.2	33.60	8.1	24.8	0.91
F13	06 Nov 2019	25	15.26	85.94	7.2	33.59	8.1	24.8	0.85
F13	06 Nov 2019	26	15.20	85.96	7.2	33.59	8.1	24.8	0.83
F13	06 Nov 2019	27	15.17	85.98	7.2	33.59	8.1	24.8	0.80
F13	06 Nov 2019	28	15.14	86.14	7.1	33.59	8.1	24.9	0.74
F13	06 Nov 2019	29	14.94	86.30	7.0	33.61	8.1	24.9	0.68
F13	06 Nov 2019	30	14.67	86.26	6.9	33.61	8.1	25.0	0.55
F13	06 Nov 2019	31	14.47	86.07	6.8	33.60	8.1	25.0	0.51
F13	06 Nov 2019	32	14.40	86.11	6.8	33.59	8.0	25.0	0.51
F13	06 Nov 2019	33	14.38	86.10	6.8	33.59	8.0	25.0	0.53
F13	06 Nov 2019	34	14.37	86.07	6.7	33.59	8.0	25.0	0.52
F13	06 Nov 2019	35	14.33	85.91	6.7	33.59	8.0	25.0	0.52
F13	06 Nov 2019	36	14.27	85.95	6.7	33.59	8.0	25.0	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	06 Nov 2019	37	14.21	86.29	6.8	33.59	8.0	25.1	0.54
F13	06 Nov 2019	38	14.12	86.57	6.8	33.59	8.0	25.1	0.56
F13	06 Nov 2019	39	13.95	86.65	6.7	33.59	8.0	25.1	0.49
F13	06 Nov 2019	40	13.74	86.63	6.6	33.59	8.0	25.2	0.49
F13	06 Nov 2019	41	13.63	86.77	6.5	33.59	8.0	25.2	0.44
F13	06 Nov 2019	42	13.56	86.83	6.4	33.59	8.0	25.2	0.43
F13	06 Nov 2019	43	13.35	86.58	6.3	33.60	8.0	25.2	0.41
F13	06 Nov 2019	44	13.22	86.39	6.2	33.60	8.0	25.3	0.40
F13	06 Nov 2019	45	13.15	85.99	6.1	33.60	8.0	25.3	0.39
F13	06 Nov 2019	46	13.12	85.90	6.0	33.60	8.0	25.3	0.38
F13	06 Nov 2019	47	13.08	85.69	6.0	33.60	8.0	25.3	0.37
F13	06 Nov 2019	48	13.07	85.42	6.0	33.60	8.0	25.3	0.37
F13	06 Nov 2019	49	13.06	85.23	6.0	33.60	8.0	25.3	0.37
F13	06 Nov 2019	50	13.05	85.45	6.0	33.60	8.0	25.3	0.36
F13	06 Nov 2019	51	13.03	85.33	6.0	33.60	8.0	25.3	0.37
F13	06 Nov 2019	52	13.01	85.25	6.0	33.60	8.0	25.3	0.37
F13	06 Nov 2019	53	12.99	85.08	5.9	33.60	8.0	25.3	0.36
F13	06 Nov 2019	54	12.98	85.14	5.9	33.60	8.0	25.3	0.36
F13	06 Nov 2019	55	12.98	85.37	5.9	33.60	8.0	25.3	0.36
F13	06 Nov 2019	56	12.98	85.46	5.9	33.60	8.0	25.3	0.36
F13	06 Nov 2019	57	12.94	85.23	5.9	33.61	8.0	25.3	0.36
F13	06 Nov 2019	58	12.92	84.72	5.9	33.61	8.0	25.3	0.36
F13	06 Nov 2019	59	12.92	84.58	5.8	33.61	8.0	25.3	0.35
F13	06 Nov 2019	60	12.90	84.38	5.8	33.61	8.0	25.3	0.36
F13	06 Nov 2019	61	12.91	83.54	5.8	33.61	8.0	25.3	0.36
F13	06 Nov 2019	62	12.91	80.18	5.8	33.61	8.0	25.3	0.36
F14	06 Nov 2019	1	18.17	83.98	8.3	33.65	8.2	24.2	0.97
F14	06 Nov 2019	2	18.10	84.09	8.2	33.65	8.2	24.2	0.99
F14	06 Nov 2019	3	17.92	84.07	8.3	33.64	8.2	24.2	0.99
F14	06 Nov 2019	4	17.91	84.07	8.3	33.63	8.2	24.2	1.01
F14	06 Nov 2019	5	17.89	84.12	8.3	33.63	8.2	24.3	1.00
F14	06 Nov 2019	6	17.84	84.04	8.3	33.63	8.2	24.3	1.09
F14	06 Nov 2019	7	17.78	83.88	8.4	33.63	8.2	24.3	1.12
F14	06 Nov 2019	8	17.76	83.68	8.4	33.63	8.2	24.3	1.13
F14	06 Nov 2019	9	17.75	83.66	8.4	33.63	8.2	24.3	1.17
F14	06 Nov 2019	10	17.75	83.70	8.4	33.63	8.2	24.3	1.18
F14	06 Nov 2019	11	17.68	83.58	8.4	33.63	8.2	24.3	1.21
F14	06 Nov 2019	12	17.47	83.57	8.5	33.60	8.2	24.3	1.28
F14	06 Nov 2019	13	17.19	83.60	8.6	33.60	8.2	24.4	1.29
F14	06 Nov 2019	14	16.98	83.74	8.7	33.55	8.2	24.4	1.33
F14	06 Nov 2019	15	16.92	83.83	8.6	33.55	8.2	24.4	1.25
F14	06 Nov 2019	16	16.56	84.13	8.7	33.54	8.2	24.5	1.17
F14	06 Nov 2019	17	16.22	84.31	8.7	33.52	8.2	24.6	1.19
F14	06 Nov 2019	18	15.94	84.57	8.7	33.50	8.2	24.6	1.24
F14	06 Nov 2019	19	15.72	84.88	8.7	33.48	8.2	24.6	1.17
F14	06 Nov 2019	20	15.58	84.90	8.7	33.48	8.2	24.7	1.16
F14	06 Nov 2019	21	15.37	85.04	8.7	33.47	8.2	24.7	1.16
F14	06 Nov 2019	22	15.32	85.09	8.7	33.46	8.2	24.7	1.22
F14	06 Nov 2019	23	15.16	85.06	8.7	33.46	8.2	24.7	1.27
F14	06 Nov 2019	24	15.13	85.11	8.7	33.44	8.2	24.7	1.32
F14	06 Nov 2019	25	15.00	84.90	8.3	33.47	8.2	24.8	1.41
F14	06 Nov 2019	26	14.94	84.65	7.9	33.53	8.1	24.9	1.62
F14	06 Nov 2019	27	14.93	84.58	7.7	33.52	8.1	24.8	1.77
F14	06 Nov 2019	28	14.90	84.57	7.5	33.55	8.1	24.9	1.78
F14	06 Nov 2019	29	14.89	84.77	7.4	33.57	8.1	24.9	1.63
F14	06 Nov 2019	30	14.78	84.79	7.4	33.56	8.1	24.9	1.64
F14	06 Nov 2019	31	14.74	84.90	7.4	33.56	8.1	24.9	1.59
F14	06 Nov 2019	32	14.68	85.35	7.3	33.56	8.1	24.9	1.40
F14	06 Nov 2019	33	14.65	85.70	7.3	33.56	8.1	24.9	1.23
F14	06 Nov 2019	34	14.62	86.09	7.2	33.57	8.1	25.0	1.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F14	06 Nov 2019	35	14.54	86.35	7.1	33.58	8.1	25.0	0.90
F14	06 Nov 2019	36	14.38	86.49	7.0	33.58	8.1	25.0	0.76
F14	06 Nov 2019	37	14.28	86.85	6.9	33.58	8.0	25.0	0.67
F14	06 Nov 2019	38	14.05	86.92	6.9	33.58	8.0	25.1	0.60
F14	06 Nov 2019	39	13.97	87.03	6.8	33.58	8.0	25.1	0.56
F14	06 Nov 2019	40	13.95	87.12	6.8	33.58	8.0	25.1	0.53
F14	06 Nov 2019	41	13.81	87.00	6.7	33.59	8.0	25.1	0.51
F14	06 Nov 2019	42	13.73	87.02	6.7	33.59	8.0	25.1	0.52
F14	06 Nov 2019	43	13.66	87.06	6.6	33.59	8.0	25.2	0.48
F14	06 Nov 2019	44	13.60	86.75	6.5	33.59	8.0	25.2	0.46
F14	06 Nov 2019	45	13.52	86.68	6.5	33.59	8.0	25.2	0.45
F14	06 Nov 2019	46	13.41	87.01	6.5	33.59	8.0	25.2	0.45
F14	06 Nov 2019	47	13.32	87.13	6.4	33.59	8.0	25.2	0.45
F14	06 Nov 2019	48	13.29	87.06	6.4	33.59	8.0	25.2	0.45
F14	06 Nov 2019	49	13.25	87.06	6.3	33.59	8.0	25.3	0.43
F14	06 Nov 2019	50	13.21	87.00	6.3	33.59	8.0	25.3	0.41
F14	06 Nov 2019	51	13.19	86.65	6.2	33.59	8.0	25.3	0.41
F14	06 Nov 2019	52	13.17	86.05	6.2	33.59	8.0	25.3	0.39
F14	06 Nov 2019	53	13.16	85.73	6.1	33.60	8.0	25.3	0.38
F14	06 Nov 2019	54	13.15	85.52	6.1	33.60	8.0	25.3	0.37
F14	06 Nov 2019	55	13.14	85.57	6.1	33.60	8.0	25.3	0.36
F14	06 Nov 2019	56	13.11	85.51	6.0	33.60	8.0	25.3	0.36
F14	06 Nov 2019	57	13.01	85.07	6.0	33.60	8.0	25.3	0.35
F14	06 Nov 2019	58	12.99	84.89	5.9	33.60	8.0	25.3	0.35
F14	06 Nov 2019	59	12.98	84.90	5.9	33.60	8.0	25.3	0.35
F14	06 Nov 2019	60	12.97	84.76	5.9	33.60	8.0	25.3	0.35
F14	06 Nov 2019	61	12.99	84.78	5.9	33.60	8.0	25.3	0.35
F15	07 Nov 2019	1	17.72	84.46	8.3	33.61	8.2	24.3	0.71
F15	07 Nov 2019	2	17.72	84.24	8.3	33.61	8.2	24.3	0.71
F15	07 Nov 2019	3	17.72	84.31	8.3	33.61	8.2	24.3	0.72
F15	07 Nov 2019	4	17.72	84.36	8.3	33.61	8.2	24.3	0.75
F15	07 Nov 2019	5	17.71	84.42	8.3	33.61	8.2	24.3	0.86
F15	07 Nov 2019	6	17.71	84.43	8.3	33.61	8.2	24.3	0.84
F15	07 Nov 2019	7	17.71	84.42	8.3	33.61	8.2	24.3	0.92
F15	07 Nov 2019	8	17.70	84.46	8.3	33.61	8.2	24.3	0.94
F15	07 Nov 2019	9	17.69	84.17	8.3	33.61	8.2	24.3	0.98
F15	07 Nov 2019	10	17.68	84.48	8.3	33.61	8.2	24.3	1.03
F15	07 Nov 2019	11	17.67	84.55	8.3	33.61	8.2	24.3	1.03
F15	07 Nov 2019	12	17.63	84.41	8.3	33.61	8.2	24.3	1.16
F15	07 Nov 2019	13	17.52	84.10	8.3	33.60	8.1	24.3	1.47
F15	07 Nov 2019	14	17.49	83.98	8.3	33.60	8.1	24.3	1.57
F15	07 Nov 2019	15	17.44	84.00	8.3	33.59	8.1	24.3	1.67
F15	07 Nov 2019	16	17.43	83.96	8.2	33.59	8.1	24.3	1.76
F15	07 Nov 2019	17	17.22	84.04	8.2	33.60	8.1	24.4	1.80
F15	07 Nov 2019	18	17.05	83.75	8.2	33.59	8.1	24.4	1.92
F15	07 Nov 2019	19	16.91	84.12	8.1	33.59	8.1	24.5	1.91
F15	07 Nov 2019	20	16.63	84.50	8.1	33.58	8.1	24.5	1.81
F15	07 Nov 2019	21	16.60	84.39	8.1	33.58	8.1	24.5	1.82
F15	07 Nov 2019	22	16.44	84.17	8.0	33.59	8.1	24.6	1.99
F15	07 Nov 2019	23	16.34	84.13	8.0	33.59	8.1	24.6	2.16
F15	07 Nov 2019	24	16.23	83.79	7.9	33.59	8.1	24.6	2.16
F15	07 Nov 2019	25	16.10	83.97	7.9	33.59	8.1	24.6	2.18
F15	07 Nov 2019	26	16.05	83.91	7.8	33.59	8.1	24.7	2.15
F15	07 Nov 2019	27	16.02	83.82	7.8	33.59	8.1	24.7	2.06
F15	07 Nov 2019	28	16.01	84.02	7.8	33.59	8.1	24.7	2.01
F15	07 Nov 2019	29	15.91	84.32	7.8	33.59	8.1	24.7	2.04
F15	07 Nov 2019	30	15.77	84.72	7.9	33.57	8.1	24.7	1.74
F15	07 Nov 2019	31	15.77	84.82	7.9	33.57	8.1	24.7	1.69
F15	07 Nov 2019	32	15.72	84.96	8.0	33.57	8.1	24.7	1.58
F15	07 Nov 2019	33	15.66	85.10	8.0	33.55	8.1	24.7	1.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	07 Nov 2019	34	15.66	85.27	8.1	33.55	8.1	24.7	1.51
F15	07 Nov 2019	35	15.62	85.08	7.7	33.59	8.1	24.7	1.56
F15	07 Nov 2019	36	15.52	84.77	7.6	33.60	8.1	24.8	1.76
F15	07 Nov 2019	37	15.51	83.96	7.5	33.59	8.1	24.8	1.79
F15	07 Nov 2019	38	15.46	83.80	7.4	33.60	8.1	24.8	1.91
F15	07 Nov 2019	39	15.42	83.88	7.4	33.60	8.1	24.8	1.90
F15	07 Nov 2019	40	15.34	84.26	7.3	33.60	8.0	24.8	1.82
F15	07 Nov 2019	41	15.17	84.72	7.2	33.60	8.0	24.9	1.66
F15	07 Nov 2019	42	15.00	85.27	7.1	33.60	8.0	24.9	1.34
F15	07 Nov 2019	43	14.92	86.00	7.0	33.60	8.0	24.9	1.16
F15	07 Nov 2019	44	14.69	86.55	6.9	33.60	8.0	25.0	0.89
F15	07 Nov 2019	45	14.55	86.87	6.8	33.60	8.0	25.0	0.71
F15	07 Nov 2019	46	14.27	86.92	6.8	33.59	8.0	25.0	0.62
F15	07 Nov 2019	47	14.18	86.97	6.8	33.59	8.0	25.1	0.58
F15	07 Nov 2019	48	14.16	86.95	6.7	33.58	8.0	25.1	0.57
F15	07 Nov 2019	49	14.11	86.96	6.7	33.59	8.0	25.1	0.55
F15	07 Nov 2019	50	14.02	87.02	6.7	33.59	8.0	25.1	0.60
F15	07 Nov 2019	51	13.98	87.07	6.6	33.59	8.0	25.1	0.54
F15	07 Nov 2019	52	13.85	87.16	6.6	33.59	8.0	25.1	0.52
F15	07 Nov 2019	53	13.81	87.20	6.6	33.59	8.0	25.1	0.52
F15	07 Nov 2019	54	13.64	87.07	6.5	33.59	8.0	25.2	0.50
F15	07 Nov 2019	55	13.56	87.09	6.5	33.59	8.0	25.2	0.49
F15	07 Nov 2019	56	13.55	87.14	6.5	33.59	8.0	25.2	0.50
F15	07 Nov 2019	57	13.52	87.13	6.4	33.59	8.0	25.2	0.49
F15	07 Nov 2019	58	13.48	87.16	6.4	33.59	8.0	25.2	0.49
F15	07 Nov 2019	59	13.44	87.25	6.4	33.59	8.0	25.2	0.48
F15	07 Nov 2019	60	13.38	87.26	6.4	33.59	8.0	25.2	0.49
F15	07 Nov 2019	61	13.35	87.14	6.3	33.59	7.9	25.2	0.48
F15	07 Nov 2019	62	13.31	87.18	6.3	33.60	7.9	25.2	0.48
F15	07 Nov 2019	63	13.28	87.19	6.3	33.60	7.9	25.3	0.47
F15	07 Nov 2019	64	13.26	87.24	6.2	33.61	7.9	25.3	0.45
F15	07 Nov 2019	65	13.25	87.26	6.2	33.61	7.9	25.3	0.45
F15	07 Nov 2019	66	13.24	87.25	6.2	33.61	7.9	25.3	0.44
F15	07 Nov 2019	67	13.20	87.35	6.2	33.62	7.9	25.3	0.44
F15	07 Nov 2019	68	13.17	87.34	6.1	33.62	7.9	25.3	0.43
F15	07 Nov 2019	69	13.17	87.17	6.1	33.62	7.9	25.3	0.43
F15	07 Nov 2019	70	13.17	87.11	6.0	33.62	7.9	25.3	0.43
F15	07 Nov 2019	71	13.17	87.10	6.0	33.63	7.9	25.3	0.42
F15	07 Nov 2019	72	13.14	87.05	6.0	33.62	7.9	25.3	0.43
F15	07 Nov 2019	73	13.12	86.97	6.0	33.62	7.9	25.3	0.42
F15	07 Nov 2019	74	13.10	86.92	6.0	33.62	7.9	25.3	0.40
F15	07 Nov 2019	75	13.06	86.79	5.9	33.62	7.9	25.3	0.39
F15	07 Nov 2019	76	13.03	86.75	5.9	33.62	7.9	25.3	0.39
F15	07 Nov 2019	77	13.01	86.73	5.9	33.63	7.9	25.3	0.39
F15	07 Nov 2019	78	12.98	86.80	5.8	33.63	7.9	25.3	0.39
F15	07 Nov 2019	79	12.95	86.62	5.8	33.64	7.9	25.3	0.38
F15	07 Nov 2019	80	12.92	86.71	5.8	33.64	7.9	25.4	0.39
F15	07 Nov 2019	81	12.85	86.59	5.7	33.66	7.9	25.4	0.39
F15	07 Nov 2019	82	12.81	86.23	5.7	33.65	7.9	25.4	0.38
F16	07 Nov 2019	1	17.68	82.79	8.4	33.61	8.2	24.3	0.92
F16	07 Nov 2019	2	17.68	82.58	8.4	33.61	8.2	24.3	0.94
F16	07 Nov 2019	3	17.68	82.72	8.4	33.61	8.2	24.3	1.00
F16	07 Nov 2019	4	17.68	82.73	8.4	33.61	8.2	24.3	1.07
F16	07 Nov 2019	5	17.67	82.72	8.4	33.61	8.2	24.3	1.15
F16	07 Nov 2019	6	17.67	82.70	8.4	33.61	8.2	24.3	1.21
F16	07 Nov 2019	7	17.67	82.67	8.4	33.61	8.2	24.3	1.24
F16	07 Nov 2019	8	17.66	82.57	8.4	33.61	8.2	24.3	1.32
F16	07 Nov 2019	9	17.66	82.70	8.4	33.61	8.2	24.3	1.39
F16	07 Nov 2019	10	17.64	82.86	8.3	33.61	8.2	24.3	1.47
F16	07 Nov 2019	11	17.58	83.22	8.3	33.61	8.2	24.3	1.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	07 Nov 2019	12	17.51	83.72	8.3	33.60	8.1	24.3	1.67
F16	07 Nov 2019	13	17.46	84.10	8.2	33.60	8.1	24.3	1.66
F16	07 Nov 2019	14	17.35	84.26	8.2	33.60	8.1	24.4	1.66
F16	07 Nov 2019	15	17.18	84.10	8.3	33.60	8.1	24.4	1.69
F16	07 Nov 2019	16	17.08	83.72	8.3	33.59	8.1	24.4	1.80
F16	07 Nov 2019	17	17.00	83.70	8.2	33.59	8.1	24.4	1.85
F16	07 Nov 2019	18	16.92	84.24	8.2	33.59	8.1	24.4	1.86
F16	07 Nov 2019	19	16.70	84.06	8.1	33.60	8.1	24.5	1.88
F16	07 Nov 2019	20	16.50	84.03	8.1	33.59	8.1	24.5	2.12
F16	07 Nov 2019	21	16.45	84.12	8.1	33.58	8.1	24.6	1.93
F16	07 Nov 2019	22	16.37	84.29	8.1	33.58	8.1	24.6	1.82
F16	07 Nov 2019	23	16.36	84.34	8.1	33.57	8.1	24.6	1.83
F16	07 Nov 2019	24	16.34	84.37	8.1	33.57	8.1	24.6	1.81
F16	07 Nov 2019	25	16.27	84.22	8.0	33.58	8.1	24.6	1.89
F16	07 Nov 2019	26	16.26	84.09	8.0	33.58	8.1	24.6	1.94
F16	07 Nov 2019	27	16.10	83.46	8.0	33.60	8.1	24.6	2.09
F16	07 Nov 2019	28	16.03	82.99	7.9	33.59	8.1	24.7	2.25
F16	07 Nov 2019	29	15.96	82.76	7.9	33.60	8.1	24.7	2.33
F16	07 Nov 2019	30	15.83	82.36	7.7	33.60	8.1	24.7	2.55
F16	07 Nov 2019	31	15.64	82.48	7.5	33.61	8.1	24.8	2.53
F16	07 Nov 2019	32	15.44	82.58	7.4	33.61	8.1	24.8	2.55
F16	07 Nov 2019	33	15.28	83.30	7.2	33.60	8.0	24.8	2.46
F16	07 Nov 2019	34	15.18	84.02	7.1	33.60	8.0	24.9	2.13
F16	07 Nov 2019	35	14.89	85.40	7.0	33.61	8.0	24.9	1.49
F16	07 Nov 2019	36	14.72	86.25	7.0	33.60	8.0	25.0	1.06
F16	07 Nov 2019	37	14.66	86.50	7.0	33.59	8.0	25.0	0.85
F16	07 Nov 2019	38	14.60	86.63	6.9	33.60	8.0	25.0	0.75
F16	07 Nov 2019	39	14.51	86.81	6.9	33.60	8.0	25.0	0.68
F16	07 Nov 2019	40	14.42	86.95	6.8	33.61	8.0	25.0	0.65
F16	07 Nov 2019	41	14.28	86.95	6.6	33.61	8.0	25.1	0.60
F16	07 Nov 2019	42	14.25	86.71	6.5	33.61	8.0	25.1	0.58
F16	07 Nov 2019	43	14.22	86.61	6.5	33.61	8.0	25.1	0.62
F16	07 Nov 2019	44	14.16	86.61	6.4	33.60	8.0	25.1	0.55
F16	07 Nov 2019	45	14.10	86.68	6.5	33.60	8.0	25.1	0.52
F16	07 Nov 2019	46	14.06	86.73	6.4	33.60	8.0	25.1	0.51
F16	07 Nov 2019	47	13.95	86.72	6.4	33.61	8.0	25.1	0.60
F16	07 Nov 2019	48	13.89	86.73	6.4	33.60	8.0	25.1	0.49
F16	07 Nov 2019	49	13.88	86.78	6.4	33.60	8.0	25.1	0.64
F16	07 Nov 2019	50	13.76	86.83	6.3	33.61	8.0	25.2	0.46
F16	07 Nov 2019	51	13.60	86.74	6.3	33.61	8.0	25.2	0.43
F16	07 Nov 2019	52	13.56	86.80	6.3	33.60	8.0	25.2	0.43
F16	07 Nov 2019	53	13.55	86.85	6.2	33.60	7.9	25.2	0.42
F16	07 Nov 2019	54	13.55	86.72	6.2	33.60	7.9	25.2	0.44
F16	07 Nov 2019	55	13.55	86.90	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	56	13.54	86.99	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	57	13.53	87.08	6.2	33.61	7.9	25.2	0.51
F16	07 Nov 2019	58	13.53	86.94	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	59	13.53	86.92	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	60	13.53	86.91	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	61	13.53	86.93	6.2	33.61	7.9	25.2	0.43
F16	07 Nov 2019	62	13.52	86.95	6.2	33.61	7.9	25.2	0.42
F16	07 Nov 2019	63	13.46	86.93	6.2	33.61	7.9	25.2	0.42
F16	07 Nov 2019	64	13.35	87.08	6.1	33.61	7.9	25.2	0.42
F16	07 Nov 2019	65	13.26	87.13	6.1	33.61	7.9	25.3	0.40
F16	07 Nov 2019	66	13.25	87.02	6.1	33.61	7.9	25.3	0.42
F16	07 Nov 2019	67	13.24	86.97	6.1	33.61	7.9	25.3	0.41
F16	07 Nov 2019	68	13.23	86.98	6.1	33.61	7.9	25.3	0.42
F16	07 Nov 2019	69	13.23	87.01	6.1	33.61	7.9	25.3	0.43
F16	07 Nov 2019	70	13.21	87.01	6.1	33.61	7.9	25.3	0.41
F16	07 Nov 2019	71	13.20	86.99	6.1	33.61	7.9	25.3	0.41
F16	07 Nov 2019	72	13.19	86.99	6.1	33.61	7.9	25.3	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	07 Nov 2019	73	13.06	86.52	5.9	33.63	7.9	25.3	0.40
F16	07 Nov 2019	74	12.89	86.01	5.8	33.63	7.9	25.4	0.39
F16	07 Nov 2019	75	12.84	86.11	5.7	33.64	7.9	25.4	0.38
F16	07 Nov 2019	76	12.81	86.08	5.7	33.64	7.9	25.4	0.38
F16	07 Nov 2019	77	12.79	86.20	5.7	33.64	7.9	25.4	0.38
F16	07 Nov 2019	78	12.76	86.08	5.6	33.65	7.9	25.4	0.38
F16	07 Nov 2019	79	12.73	85.92	5.6	33.65	7.9	25.4	0.38
F16	07 Nov 2019	80	12.66	85.60	5.5	33.66	7.9	25.4	0.38
F16	07 Nov 2019	81	12.55	84.99	5.5	33.67	7.9	25.5	0.37
F16	07 Nov 2019	82	12.58	84.26	5.5	33.66	7.9	25.4	0.39
F17	07 Nov 2019	1	17.53	83.47	8.3	33.62	8.2	24.3	0.73
F17	07 Nov 2019	2	17.53	83.46	8.3	33.62	8.2	24.3	0.76
F17	07 Nov 2019	3	17.53	83.29	8.3	33.62	8.2	24.3	0.81
F17	07 Nov 2019	4	17.52	83.28	8.3	33.62	8.2	24.3	0.88
F17	07 Nov 2019	5	17.52	83.13	8.3	33.62	8.2	24.3	0.93
F17	07 Nov 2019	6	17.51	83.24	8.3	33.62	8.2	24.3	0.99
F17	07 Nov 2019	7	17.49	83.14	8.3	33.62	8.2	24.3	1.04
F17	07 Nov 2019	8	17.38	83.10	8.4	33.62	8.2	24.4	1.19
F17	07 Nov 2019	9	17.28	83.28	8.4	33.62	8.2	24.4	1.26
F17	07 Nov 2019	10	17.12	83.27	8.5	33.62	8.2	24.4	1.42
F17	07 Nov 2019	11	17.08	83.18	8.5	33.61	8.2	24.4	1.54
F17	07 Nov 2019	12	17.05	83.12	8.5	33.61	8.2	24.4	1.49
F17	07 Nov 2019	13	16.99	83.16	8.5	33.61	8.2	24.4	1.52
F17	07 Nov 2019	14	16.90	83.09	8.5	33.61	8.2	24.5	1.55
F17	07 Nov 2019	15	16.73	82.88	8.5	33.61	8.2	24.5	1.66
F17	07 Nov 2019	16	16.63	82.65	8.5	33.60	8.1	24.5	1.75
F17	07 Nov 2019	17	16.60	82.56	8.5	33.60	8.1	24.5	1.83
F17	07 Nov 2019	18	16.50	82.75	8.4	33.60	8.1	24.6	1.83
F17	07 Nov 2019	19	16.43	82.73	8.4	33.60	8.1	24.6	1.92
F17	07 Nov 2019	20	16.36	82.75	8.4	33.60	8.1	24.6	1.99
F17	07 Nov 2019	21	16.33	82.66	8.3	33.60	8.1	24.6	2.13
F17	07 Nov 2019	22	16.29	82.52	8.2	33.60	8.1	24.6	2.16
F17	07 Nov 2019	23	15.95	82.44	8.0	33.62	8.1	24.7	2.27
F17	07 Nov 2019	24	15.84	82.44	7.9	33.60	8.1	24.7	2.48
F17	07 Nov 2019	25	15.80	82.60	7.8	33.60	8.1	24.7	2.57
F17	07 Nov 2019	26	15.74	82.67	7.7	33.60	8.1	24.7	2.52
F17	07 Nov 2019	27	15.63	82.87	7.6	33.60	8.1	24.8	2.42
F17	07 Nov 2019	28	15.53	83.28	7.5	33.60	8.1	24.8	2.35
F17	07 Nov 2019	29	15.46	84.21	7.4	33.60	8.1	24.8	2.07
F17	07 Nov 2019	30	15.37	85.06	7.3	33.60	8.1	24.8	1.63
F17	07 Nov 2019	31	15.31	85.15	7.3	33.60	8.0	24.8	1.39
F17	07 Nov 2019	32	15.25	85.15	7.2	33.60	8.0	24.8	1.34
F17	07 Nov 2019	33	15.14	85.23	7.1	33.60	8.0	24.9	1.30
F17	07 Nov 2019	34	15.01	85.59	7.1	33.60	8.0	24.9	1.21
F17	07 Nov 2019	35	14.97	85.90	7.1	33.59	8.0	24.9	1.15
F17	07 Nov 2019	36	14.96	85.89	7.1	33.59	8.0	24.9	1.06
F17	07 Nov 2019	37	14.95	85.93	7.1	33.59	8.0	24.9	1.05
F17	07 Nov 2019	38	14.88	86.19	7.1	33.60	8.0	24.9	0.93
F17	07 Nov 2019	39	14.74	86.47	7.0	33.60	8.0	24.9	0.91
F17	07 Nov 2019	40	14.68	86.56	6.9	33.60	8.0	25.0	0.84
F17	07 Nov 2019	41	14.55	86.65	6.8	33.61	8.0	25.0	0.71
F17	07 Nov 2019	42	14.44	86.73	6.7	33.61	8.0	25.0	0.66
F17	07 Nov 2019	43	14.40	86.81	6.7	33.61	8.0	25.0	0.63
F17	07 Nov 2019	44	14.36	86.81	6.7	33.61	8.0	25.0	0.61
F17	07 Nov 2019	45	14.33	86.83	6.6	33.61	8.0	25.0	0.59
F17	07 Nov 2019	46	14.28	86.75	6.6	33.61	8.0	25.1	0.60
F17	07 Nov 2019	47	14.17	86.71	6.5	33.61	8.0	25.1	0.56
F17	07 Nov 2019	48	14.14	86.68	6.5	33.60	8.0	25.1	0.54
F17	07 Nov 2019	49	14.12	86.74	6.5	33.60	8.0	25.1	0.55
F17	07 Nov 2019	50	14.11	86.72	6.5	33.60	8.0	25.1	0.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	07 Nov 2019	51	14.11	86.77	6.5	33.60	8.0	25.1	0.55
F17	07 Nov 2019	52	14.11	86.77	6.5	33.60	8.0	25.1	0.53
F17	07 Nov 2019	53	14.08	86.90	6.5	33.60	8.0	25.1	0.52
F17	07 Nov 2019	54	14.05	86.90	6.5	33.60	8.0	25.1	0.52
F17	07 Nov 2019	55	14.00	86.89	6.4	33.61	8.0	25.1	0.51
F17	07 Nov 2019	56	13.91	86.82	6.4	33.60	8.0	25.1	0.50
F17	07 Nov 2019	57	13.91	86.81	6.4	33.60	8.0	25.1	0.49
F17	07 Nov 2019	58	13.89	86.80	6.4	33.60	8.0	25.1	0.48
F17	07 Nov 2019	59	13.88	86.82	6.3	33.61	8.0	25.1	0.48
F17	07 Nov 2019	60	13.88	86.82	6.3	33.61	8.0	25.1	0.49
F17	07 Nov 2019	61	13.88	86.77	6.3	33.61	8.0	25.1	0.50
F17	07 Nov 2019	62	13.85	86.89	6.4	33.61	8.0	25.1	0.54
F17	07 Nov 2019	63	13.83	87.02	6.4	33.60	8.0	25.1	0.50
F17	07 Nov 2019	64	13.82	87.07	6.4	33.60	8.0	25.1	0.49
F17	07 Nov 2019	65	13.78	87.04	6.4	33.60	8.0	25.2	0.50
F17	07 Nov 2019	66	13.66	87.15	6.3	33.61	8.0	25.2	0.48
F17	07 Nov 2019	67	13.54	87.13	6.3	33.60	7.9	25.2	0.45
F17	07 Nov 2019	68	13.44	87.00	6.2	33.61	7.9	25.2	0.46
F17	07 Nov 2019	69	13.36	86.95	6.2	33.60	7.9	25.2	0.42
F17	07 Nov 2019	70	13.35	86.94	6.2	33.60	7.9	25.2	0.41
F17	07 Nov 2019	71	13.34	86.84	6.2	33.60	7.9	25.2	0.42
F17	07 Nov 2019	72	13.32	86.82	6.2	33.60	7.9	25.2	0.41
F17	07 Nov 2019	73	13.29	86.79	6.2	33.60	7.9	25.2	0.41
F17	07 Nov 2019	74	13.28	86.87	6.2	33.60	7.9	25.3	0.41
F17	07 Nov 2019	75	13.25	86.85	6.2	33.60	7.9	25.3	0.41
F17	07 Nov 2019	76	13.22	86.57	6.1	33.60	7.9	25.3	0.40
F17	07 Nov 2019	77	13.12	86.33	6.0	33.62	7.9	25.3	0.40
F17	07 Nov 2019	78	12.96	85.55	5.9	33.62	7.9	25.3	0.39
F17	07 Nov 2019	79	12.82	85.63	5.8	33.63	7.9	25.4	0.38
F17	07 Nov 2019	80	12.67	85.63	5.6	33.65	7.9	25.4	0.38
F17	07 Nov 2019	81	12.56	85.53	5.5	33.67	7.9	25.4	0.37
F17	07 Nov 2019	82	12.50	85.00	5.5	33.67	7.9	25.5	0.41
F18	07 Nov 2019	1	17.57	82.77	8.4	33.62	8.2	24.3	0.96
F18	07 Nov 2019	2	17.56	82.93	8.4	33.62	8.2	24.3	1.02
F18	07 Nov 2019	3	17.55	82.82	8.4	33.62	8.2	24.3	1.13
F18	07 Nov 2019	4	17.49	82.63	8.4	33.62	8.2	24.3	1.34
F18	07 Nov 2019	5	17.46	82.52	8.4	33.62	8.2	24.3	1.56
F18	07 Nov 2019	6	17.37	82.25	8.5	33.62	8.2	24.4	1.72
F18	07 Nov 2019	7	17.26	81.94	8.5	33.61	8.2	24.4	1.97
F18	07 Nov 2019	8	17.17	81.85	8.5	33.61	8.2	24.4	2.02
F18	07 Nov 2019	9	17.09	81.77	8.5	33.61	8.2	24.4	2.09
F18	07 Nov 2019	10	16.95	81.56	8.5	33.60	8.1	24.5	2.15
F18	07 Nov 2019	11	16.93	81.55	8.5	33.60	8.1	24.5	2.30
F18	07 Nov 2019	12	16.83	81.43	8.4	33.60	8.1	24.5	2.39
F18	07 Nov 2019	13	16.62	81.40	8.3	33.60	8.1	24.5	2.43
F18	07 Nov 2019	14	16.55	81.41	8.2	33.59	8.1	24.5	2.63
F18	07 Nov 2019	15	16.51	80.96	8.2	33.59	8.1	24.5	2.80
F18	07 Nov 2019	16	16.42	80.57	8.1	33.59	8.1	24.6	3.04
F18	07 Nov 2019	17	16.42	80.83	8.1	33.59	8.1	24.6	3.08
F18	07 Nov 2019	18	16.34	81.03	8.0	33.59	8.1	24.6	3.01
F18	07 Nov 2019	19	16.21	81.57	8.1	33.60	8.1	24.6	2.76
F18	07 Nov 2019	20	16.19	81.98	8.0	33.59	8.1	24.6	2.66
F18	07 Nov 2019	21	16.13	82.23	7.9	33.60	8.1	24.6	2.58
F18	07 Nov 2019	22	16.04	82.09	7.8	33.60	8.1	24.7	2.54
F18	07 Nov 2019	23	15.92	82.21	7.7	33.60	8.1	24.7	2.67
F18	07 Nov 2019	24	15.82	82.41	7.6	33.61	8.1	24.7	2.70
F18	07 Nov 2019	25	15.74	82.65	7.5	33.60	8.1	24.7	2.60
F18	07 Nov 2019	26	15.70	82.47	7.5	33.60	8.1	24.7	2.62
F18	07 Nov 2019	27	15.68	82.27	7.5	33.60	8.1	24.7	2.73
F18	07 Nov 2019	28	15.66	82.20	7.5	33.60	8.1	24.7	2.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	07 Nov 2019	29	15.61	81.96	7.5	33.60	8.1	24.8	2.91
F18	07 Nov 2019	30	15.56	82.17	7.4	33.60	8.1	24.8	2.91
F18	07 Nov 2019	31	15.25	83.71	7.2	33.61	8.0	24.8	2.29
F18	07 Nov 2019	32	15.13	84.79	7.1	33.60	8.0	24.9	1.77
F18	07 Nov 2019	33	15.02	85.12	7.1	33.60	8.0	24.9	1.52
F18	07 Nov 2019	34	14.94	85.44	7.1	33.60	8.0	24.9	1.28
F18	07 Nov 2019	35	14.90	85.71	7.0	33.59	8.0	24.9	1.11
F18	07 Nov 2019	36	14.88	85.79	7.0	33.59	8.0	24.9	1.06
F18	07 Nov 2019	37	14.78	86.06	7.0	33.60	8.0	24.9	1.03
F18	07 Nov 2019	38	14.67	86.39	7.0	33.59	8.0	25.0	0.89
F18	07 Nov 2019	39	14.59	86.64	7.0	33.59	8.0	25.0	0.79
F18	07 Nov 2019	40	14.60	86.79	7.0	33.59	8.0	25.0	0.82
F18	07 Nov 2019	41	14.51	86.78	7.0	33.59	8.0	25.0	0.74
F18	07 Nov 2019	42	14.51	86.80	7.0	33.59	8.0	25.0	0.71
F18	07 Nov 2019	43	14.50	86.87	6.9	33.59	8.0	25.0	0.70
F18	07 Nov 2019	44	14.46	86.86	6.9	33.59	8.0	25.0	0.68
F18	07 Nov 2019	45	14.43	86.92	6.9	33.59	8.0	25.0	0.66
F18	07 Nov 2019	46	14.41	86.87	6.9	33.59	8.0	25.0	0.65
F18	07 Nov 2019	47	14.40	86.97	6.9	33.59	8.0	25.0	0.64
F18	07 Nov 2019	48	14.35	87.01	6.8	33.60	8.0	25.0	0.61
F18	07 Nov 2019	49	14.26	86.92	6.8	33.59	8.0	25.0	0.60
F18	07 Nov 2019	50	14.27	87.00	6.8	33.59	8.0	25.0	0.59
F18	07 Nov 2019	51	14.22	87.02	6.8	33.59	8.0	25.1	0.57
F18	07 Nov 2019	52	14.21	86.99	6.8	33.59	8.0	25.1	0.57
F18	07 Nov 2019	53	14.18	87.04	6.8	33.59	8.0	25.1	0.54
F18	07 Nov 2019	54	14.12	87.03	6.7	33.59	8.0	25.1	0.52
F18	07 Nov 2019	55	14.06	87.02	6.6	33.59	8.0	25.1	0.50
F18	07 Nov 2019	56	14.04	87.04	6.6	33.59	8.0	25.1	0.51
F18	07 Nov 2019	57	13.91	86.94	6.5	33.60	8.0	25.1	0.49
F18	07 Nov 2019	58	13.78	86.68	6.5	33.60	8.0	25.1	0.48
F18	07 Nov 2019	59	13.73	86.50	6.4	33.59	8.0	25.2	0.44
F18	07 Nov 2019	60	13.67	86.40	6.4	33.59	8.0	25.2	0.44
F18	07 Nov 2019	61	13.65	86.50	6.4	33.59	8.0	25.2	0.44
F18	07 Nov 2019	62	13.63	86.49	6.4	33.59	7.9	25.2	0.43
F18	07 Nov 2019	63	13.60	86.46	6.3	33.59	7.9	25.2	0.43
F18	07 Nov 2019	64	13.57	86.23	6.3	33.60	7.9	25.2	0.43
F18	07 Nov 2019	65	13.54	86.25	6.3	33.59	7.9	25.2	0.43
F18	07 Nov 2019	66	13.53	86.26	6.3	33.59	7.9	25.2	0.43
F18	07 Nov 2019	67	13.49	86.32	6.3	33.60	7.9	25.2	0.43
F18	07 Nov 2019	68	13.46	86.40	6.3	33.60	7.9	25.2	0.44
F18	07 Nov 2019	69	13.41	86.30	6.2	33.60	7.9	25.2	0.43
F18	07 Nov 2019	70	13.36	85.87	6.2	33.60	7.9	25.2	0.42
F18	07 Nov 2019	71	13.24	85.73	6.1	33.61	7.9	25.3	0.44
F18	07 Nov 2019	72	13.15	85.78	6.1	33.61	7.9	25.3	0.47
F18	07 Nov 2019	73	13.03	85.77	6.0	33.62	7.9	25.3	0.41
F18	07 Nov 2019	74	12.90	85.64	5.9	33.62	7.9	25.3	0.40
F18	07 Nov 2019	75	12.77	85.87	5.8	33.63	7.9	25.4	0.39
F18	07 Nov 2019	76	12.63	85.73	5.7	33.65	7.9	25.4	0.39
F18	07 Nov 2019	77	12.64	85.27	5.6	33.64	7.9	25.4	0.39
F18	07 Nov 2019	78	12.49	84.67	5.5	33.67	7.9	25.5	0.39
F18	07 Nov 2019	79	12.46	84.57	5.4	33.67	7.9	25.5	0.37
F18	07 Nov 2019	80	12.44	84.46	5.4	33.67	7.9	25.5	0.37
F18	07 Nov 2019	81	12.44	84.44	5.4	33.67	7.9	25.5	0.37
F18	07 Nov 2019	82	12.41	83.95	5.4	33.68	7.9	25.5	0.37
F19	07 Nov 2019	1	17.45	81.67	8.3	33.62	8.2	24.3	1.28
F19	07 Nov 2019	2	17.44	81.57	8.4	33.62	8.2	24.3	1.37
F19	07 Nov 2019	3	17.44	81.56	8.4	33.62	8.2	24.3	1.36
F19	07 Nov 2019	4	17.44	81.57	8.4	33.62	8.2	24.4	1.42
F19	07 Nov 2019	5	17.43	81.55	8.4	33.62	8.2	24.4	1.52
F19	07 Nov 2019	6	17.42	81.52	8.4	33.62	8.2	24.4	1.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	07 Nov 2019	7	17.39	81.50	8.4	33.63	8.2	24.4	1.61
F19	07 Nov 2019	8	17.33	81.17	8.4	33.64	8.2	24.4	1.74
F19	07 Nov 2019	9	17.29	80.81	8.4	33.64	8.2	24.4	1.89
F19	07 Nov 2019	10	17.25	80.68	8.4	33.64	8.2	24.4	2.01
F19	07 Nov 2019	11	17.25	80.47	8.4	33.64	8.2	24.4	2.19
F19	07 Nov 2019	12	17.20	80.17	8.4	33.64	8.2	24.4	2.30
F19	07 Nov 2019	13	17.13	79.94	8.4	33.64	8.2	24.4	2.44
F19	07 Nov 2019	14	17.07	79.74	8.3	33.63	8.2	24.4	2.77
F19	07 Nov 2019	15	16.97	79.60	8.2	33.63	8.1	24.5	2.88
F19	07 Nov 2019	16	16.88	79.66	8.0	33.63	8.1	24.5	3.08
F19	07 Nov 2019	17	16.58	80.29	7.8	33.64	8.1	24.6	2.99
F19	07 Nov 2019	18	16.36	81.08	7.6	33.62	8.1	24.6	2.95
F19	07 Nov 2019	19	16.21	81.59	7.6	33.61	8.1	24.6	2.70
F19	07 Nov 2019	20	16.08	81.77	7.6	33.59	8.1	24.6	2.67
F19	07 Nov 2019	21	16.05	81.95	7.6	33.59	8.1	24.6	2.63
F19	07 Nov 2019	22	16.00	82.04	7.7	33.59	8.1	24.7	2.64
F19	07 Nov 2019	23	15.95	82.10	7.7	33.59	8.1	24.7	2.64
F19	07 Nov 2019	24	15.88	82.25	7.7	33.59	8.1	24.7	2.64
F19	07 Nov 2019	25	15.78	82.33	7.7	33.60	8.1	24.7	2.69
F19	07 Nov 2019	26	15.75	82.45	7.6	33.60	8.1	24.7	2.62
F19	07 Nov 2019	27	15.67	82.44	7.6	33.60	8.1	24.7	2.61
F19	07 Nov 2019	28	15.64	82.44	7.6	33.60	8.1	24.7	2.66
F19	07 Nov 2019	29	15.52	82.65	7.5	33.60	8.1	24.8	2.53
F19	07 Nov 2019	30	15.46	83.17	7.5	33.60	8.1	24.8	2.36
F19	07 Nov 2019	31	15.38	83.48	7.4	33.60	8.0	24.8	2.14
F19	07 Nov 2019	32	15.37	83.67	7.4	33.59	8.0	24.8	2.06
F19	07 Nov 2019	33	15.34	83.78	7.4	33.60	8.0	24.8	2.00
F19	07 Nov 2019	34	15.30	83.86	7.3	33.60	8.0	24.8	1.93
F19	07 Nov 2019	35	15.18	84.23	7.3	33.60	8.0	24.9	1.79
F19	07 Nov 2019	36	15.12	84.48	7.2	33.60	8.0	24.9	1.68
F19	07 Nov 2019	37	14.88	85.01	7.1	33.61	8.0	24.9	1.41
F19	07 Nov 2019	38	14.66	86.27	7.0	33.60	8.0	25.0	1.01
F19	07 Nov 2019	39	14.62	86.70	6.9	33.60	8.0	25.0	0.79
F19	07 Nov 2019	40	14.46	86.82	6.8	33.60	8.0	25.0	0.67
F19	07 Nov 2019	41	14.40	86.86	6.8	33.59	8.0	25.0	0.65
F19	07 Nov 2019	42	14.38	86.92	6.8	33.60	8.0	25.0	0.57
F19	07 Nov 2019	43	14.33	86.89	6.7	33.59	8.0	25.0	0.55
F19	07 Nov 2019	44	14.32	86.84	6.7	33.59	8.0	25.0	0.58
F19	07 Nov 2019	45	14.30	86.80	6.7	33.59	8.0	25.0	0.65
F19	07 Nov 2019	46	14.26	86.77	6.7	33.60	8.0	25.0	0.55
F19	07 Nov 2019	47	14.25	86.75	6.7	33.60	8.0	25.1	0.55
F19	07 Nov 2019	48	14.23	86.74	6.6	33.60	8.0	25.1	0.52
F19	07 Nov 2019	49	14.23	86.84	6.7	33.59	8.0	25.1	0.52
F19	07 Nov 2019	50	14.22	86.82	6.6	33.60	8.0	25.1	0.51
F19	07 Nov 2019	51	14.22	86.79	6.7	33.59	8.0	25.1	0.52
F19	07 Nov 2019	52	14.21	86.80	6.7	33.59	8.0	25.1	0.50
F19	07 Nov 2019	53	14.20	86.65	6.7	33.60	8.0	25.1	0.49
F19	07 Nov 2019	54	14.20	86.61	6.6	33.59	8.0	25.1	0.50
F19	07 Nov 2019	55	14.19	86.64	6.6	33.60	8.0	25.1	0.49
F19	07 Nov 2019	56	14.16	86.76	6.6	33.60	8.0	25.1	0.49
F19	07 Nov 2019	57	14.09	86.71	6.6	33.60	8.0	25.1	0.50
F19	07 Nov 2019	58	14.06	86.79	6.6	33.60	8.0	25.1	0.50
F19	07 Nov 2019	59	13.96	86.83	6.6	33.61	8.0	25.1	0.51
F19	07 Nov 2019	60	13.83	86.89	6.6	33.61	8.0	25.1	0.51
F19	07 Nov 2019	61	13.82	86.85	6.6	33.60	8.0	25.1	0.53
F19	07 Nov 2019	62	13.81	86.92	6.5	33.60	8.0	25.1	0.52
F19	07 Nov 2019	63	13.77	86.85	6.5	33.61	8.0	25.2	0.53
F19	07 Nov 2019	64	13.74	86.88	6.5	33.61	8.0	25.2	0.53
F19	07 Nov 2019	65	13.68	86.96	6.5	33.61	8.0	25.2	0.52
F19	07 Nov 2019	66	13.61	87.02	6.4	33.62	8.0	25.2	0.54
F19	07 Nov 2019	67	13.59	87.14	6.4	33.62	8.0	25.2	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	07 Nov 2019	68	13.43	87.04	6.3	33.62	7.9	25.2	0.52
F19	07 Nov 2019	69	13.36	86.83	6.3	33.62	7.9	25.2	0.50
F19	07 Nov 2019	70	13.32	86.95	6.2	33.62	7.9	25.3	0.48
F19	07 Nov 2019	71	13.24	87.03	6.2	33.63	7.9	25.3	0.49
F19	07 Nov 2019	72	13.19	87.17	6.2	33.63	7.9	25.3	0.49
F19	07 Nov 2019	73	13.15	87.14	6.1	33.63	7.9	25.3	0.47
F19	07 Nov 2019	74	13.14	87.11	6.1	33.62	7.9	25.3	0.47
F19	07 Nov 2019	75	13.12	87.14	6.1	33.63	7.9	25.3	0.46
F19	07 Nov 2019	76	13.02	86.98	6.0	33.63	7.9	25.3	0.45
F19	07 Nov 2019	77	12.92	87.04	5.9	33.63	7.9	25.4	0.43
F19	07 Nov 2019	78	12.68	86.74	5.7	33.67	7.9	25.4	0.41
F19	07 Nov 2019	79	12.52	85.77	5.5	33.68	7.9	25.5	0.39
F19	07 Nov 2019	80	12.51	85.00	5.5	33.67	7.9	25.5	0.39
F19	07 Nov 2019	81	12.51	84.87	5.4	33.67	7.9	25.5	0.38
F19	07 Nov 2019	82	12.50	84.53	5.4	33.67	7.9	25.5	0.38
F19	07 Nov 2019	83	12.50	84.28	5.4	33.68	7.9	25.5	0.38
F20	07 Nov 2019	1	17.23	80.33	8.6	33.64	8.2	24.4	1.44
F20	07 Nov 2019	2	17.23	80.55	8.6	33.64	8.2	24.4	1.48
F20	07 Nov 2019	3	17.23	80.55	8.6	33.64	8.2	24.4	1.59
F20	07 Nov 2019	4	17.23	80.46	8.6	33.64	8.2	24.4	1.64
F20	07 Nov 2019	5	17.22	80.29	8.5	33.64	8.2	24.4	1.82
F20	07 Nov 2019	6	17.22	80.22	8.5	33.64	8.2	24.4	2.02
F20	07 Nov 2019	7	17.21	80.26	8.5	33.64	8.2	24.4	2.11
F20	07 Nov 2019	8	17.21	80.29	8.5	33.64	8.2	24.4	2.20
F20	07 Nov 2019	9	17.20	80.38	8.5	33.64	8.2	24.4	2.23
F20	07 Nov 2019	10	17.20	80.22	8.5	33.64	8.2	24.4	2.27
F20	07 Nov 2019	11	17.20	80.35	8.5	33.64	8.2	24.4	2.25
F20	07 Nov 2019	12	17.19	80.31	8.4	33.64	8.2	24.4	2.32
F20	07 Nov 2019	13	17.19	80.39	8.4	33.64	8.2	24.4	2.35
F20	07 Nov 2019	14	17.18	80.41	8.4	33.64	8.2	24.4	2.40
F20	07 Nov 2019	15	17.17	80.44	8.4	33.64	8.2	24.4	2.35
F20	07 Nov 2019	16	17.15	80.63	8.4	33.64	8.2	24.4	2.35
F20	07 Nov 2019	17	17.10	80.74	8.3	33.64	8.2	24.4	2.36
F20	07 Nov 2019	18	16.97	80.99	8.1	33.63	8.1	24.5	2.47
F20	07 Nov 2019	19	16.92	81.13	8.0	33.63	8.1	24.5	2.45
F20	07 Nov 2019	20	16.77	81.62	7.7	33.64	8.1	24.5	2.32
F20	07 Nov 2019	21	16.37	82.49	7.3	33.64	8.1	24.6	2.11
F20	07 Nov 2019	22	16.07	82.87	7.3	33.62	8.1	24.7	1.93
F20	07 Nov 2019	23	15.90	83.16	7.4	33.59	8.1	24.7	1.89
F20	07 Nov 2019	24	15.80	83.27	7.5	33.58	8.1	24.7	1.89
F20	07 Nov 2019	25	15.78	83.59	7.5	33.57	8.1	24.7	1.90
F20	07 Nov 2019	26	15.75	83.62	7.5	33.57	8.1	24.7	1.80
F20	07 Nov 2019	27	15.73	83.72	7.5	33.57	8.1	24.7	1.74
F20	07 Nov 2019	28	15.71	83.88	7.4	33.58	8.1	24.7	1.72
F20	07 Nov 2019	29	15.64	84.12	7.4	33.58	8.0	24.7	1.70
F20	07 Nov 2019	30	15.46	84.56	7.3	33.59	8.0	24.8	1.42
F20	07 Nov 2019	31	15.37	84.83	7.2	33.59	8.0	24.8	1.23
F20	07 Nov 2019	32	15.30	85.32	7.1	33.60	8.0	24.8	1.04
F20	07 Nov 2019	33	15.21	85.49	7.1	33.60	8.0	24.8	0.95
F20	07 Nov 2019	34	15.12	85.83	7.1	33.60	8.0	24.9	0.86
F20	07 Nov 2019	35	15.11	86.05	7.1	33.59	8.0	24.9	0.86
F20	07 Nov 2019	36	15.05	86.00	7.0	33.60	8.0	24.9	0.86
F20	07 Nov 2019	37	15.03	86.09	7.0	33.60	8.0	24.9	0.83
F20	07 Nov 2019	38	15.01	86.10	7.0	33.60	8.0	24.9	0.78
F20	07 Nov 2019	39	14.99	86.07	7.0	33.60	8.0	24.9	0.78
F20	07 Nov 2019	40	14.97	86.18	7.0	33.60	8.0	24.9	0.73
F20	07 Nov 2019	41	14.96	86.23	7.0	33.60	8.0	24.9	0.75
F20	07 Nov 2019	42	14.94	86.28	6.9	33.60	8.0	24.9	0.73
F20	07 Nov 2019	43	14.87	86.17	6.9	33.60	8.0	24.9	0.77
F20	07 Nov 2019	44	14.77	86.26	6.9	33.60	8.0	24.9	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F20	07 Nov 2019	45	14.69	86.42	6.9	33.60	8.0	25.0	0.63
F20	07 Nov 2019	46	14.62	86.58	6.9	33.60	8.0	25.0	0.68
F20	07 Nov 2019	47	14.55	86.69	6.9	33.59	8.0	25.0	0.68
F20	07 Nov 2019	48	14.51	86.82	6.9	33.59	8.0	25.0	0.58
F20	07 Nov 2019	49	14.48	86.76	6.9	33.59	8.0	25.0	0.58
F20	07 Nov 2019	50	14.41	86.84	6.9	33.59	8.0	25.0	0.56
F20	07 Nov 2019	51	14.33	86.88	6.9	33.59	8.0	25.0	0.55
F20	07 Nov 2019	52	14.24	86.87	6.8	33.60	8.0	25.1	0.55
F20	07 Nov 2019	53	14.02	86.78	6.8	33.62	8.0	25.1	0.61
F20	07 Nov 2019	54	14.00	86.89	6.8	33.61	8.0	25.1	0.65
F20	07 Nov 2019	55	13.95	86.80	6.7	33.62	8.0	25.1	0.67
F20	07 Nov 2019	56	13.92	86.84	6.7	33.61	8.0	25.1	0.65
F20	07 Nov 2019	57	13.81	86.92	6.6	33.62	8.0	25.2	0.64
F20	07 Nov 2019	58	13.71	86.89	6.6	33.62	8.0	25.2	0.63
F20	07 Nov 2019	59	13.63	87.00	6.5	33.62	8.0	25.2	0.61
F20	07 Nov 2019	60	13.60	86.94	6.5	33.62	8.0	25.2	0.60
F20	07 Nov 2019	61	13.58	87.02	6.4	33.62	8.0	25.2	0.66
F20	07 Nov 2019	62	13.53	87.02	6.4	33.62	8.0	25.2	0.60
F20	07 Nov 2019	63	13.46	87.09	6.4	33.62	7.9	25.2	0.59
F20	07 Nov 2019	64	13.44	87.10	6.4	33.62	7.9	25.2	0.57
F20	07 Nov 2019	65	13.41	87.19	6.3	33.62	7.9	25.2	0.56
F20	07 Nov 2019	66	13.32	87.17	6.3	33.62	7.9	25.3	0.52
F20	07 Nov 2019	67	13.29	86.80	6.2	33.62	7.9	25.3	0.50
F20	07 Nov 2019	68	13.27	86.78	6.2	33.62	7.9	25.3	0.51
F20	07 Nov 2019	69	13.23	86.76	6.2	33.62	7.9	25.3	0.49
F20	07 Nov 2019	70	13.18	86.68	6.2	33.62	7.9	25.3	0.47
F20	07 Nov 2019	71	13.17	86.50	6.1	33.62	7.9	25.3	0.46
F20	07 Nov 2019	72	13.13	86.63	6.1	33.62	7.9	25.3	0.46
F20	07 Nov 2019	73	13.12	86.51	6.1	33.62	7.9	25.3	0.46
F20	07 Nov 2019	74	13.09	86.64	6.0	33.62	7.9	25.3	0.45
F20	07 Nov 2019	75	13.04	86.48	6.0	33.62	7.9	25.3	0.44
F20	07 Nov 2019	76	12.99	86.48	6.0	33.63	7.9	25.3	0.43
F20	07 Nov 2019	77	12.97	86.67	6.0	33.63	7.9	25.3	0.43
F20	07 Nov 2019	78	12.94	86.69	5.9	33.63	7.9	25.3	0.43
F20	07 Nov 2019	79	12.88	86.48	5.9	33.64	7.9	25.4	0.42
F20	07 Nov 2019	80	12.84	86.13	5.8	33.64	7.9	25.4	0.41
F20	07 Nov 2019	81	12.73	86.49	5.7	33.66	7.9	25.4	0.41
F20	07 Nov 2019	82	12.62	85.66	5.6	33.66	7.9	25.4	0.39
F20	07 Nov 2019	83	12.57	84.63	5.6	33.67	7.9	25.4	0.39
F21	07 Nov 2019	1	17.23	79.66	8.6	33.63	8.2	24.4	2.06
F21	07 Nov 2019	2	17.22	79.49	8.6	33.63	8.2	24.4	2.06
F21	07 Nov 2019	3	17.21	79.64	8.6	33.63	8.2	24.4	2.17
F21	07 Nov 2019	4	17.23	79.55	8.6	33.63	8.2	24.4	2.09
F21	07 Nov 2019	5	17.24	79.40	8.6	33.63	8.2	24.4	2.11
F21	07 Nov 2019	6	17.24	79.60	8.6	33.63	8.2	24.4	2.13
F21	07 Nov 2019	7	17.19	79.91	8.5	33.64	8.2	24.4	2.16
F21	07 Nov 2019	8	17.18	80.35	8.5	33.63	8.2	24.4	2.19
F21	07 Nov 2019	9	17.17	80.48	8.5	33.63	8.2	24.4	2.21
F21	07 Nov 2019	10	17.14	80.73	8.4	33.63	8.2	24.4	2.25
F21	07 Nov 2019	11	17.08	80.92	8.3	33.64	8.2	24.4	2.22
F21	07 Nov 2019	12	16.95	81.22	8.1	33.64	8.1	24.5	2.34
F21	07 Nov 2019	13	16.82	81.52	7.9	33.64	8.1	24.5	2.20
F21	07 Nov 2019	14	16.74	82.09	7.7	33.63	8.1	24.5	2.01
F21	07 Nov 2019	15	16.67	82.37	7.6	33.63	8.1	24.5	1.89
F21	07 Nov 2019	16	16.53	82.61	7.5	33.63	8.1	24.6	1.76
F21	07 Nov 2019	17	16.44	82.95	7.4	33.62	8.1	24.6	1.65
F21	07 Nov 2019	18	16.40	83.06	7.3	33.62	8.1	24.6	1.50
F21	07 Nov 2019	19	16.36	83.21	7.2	33.62	8.1	24.6	1.49
F21	07 Nov 2019	20	16.34	83.41	7.2	33.62	8.1	24.6	1.40
F21	07 Nov 2019	21	16.32	83.30	7.2	33.62	8.1	24.6	1.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	07 Nov 2019	22	16.29	83.34	7.2	33.62	8.1	24.6	1.36
F21	07 Nov 2019	23	16.27	83.77	7.2	33.62	8.1	24.6	1.32
F21	07 Nov 2019	24	16.23	83.70	7.2	33.62	8.1	24.6	1.31
F21	07 Nov 2019	25	16.10	83.71	7.1	33.62	8.1	24.7	1.25
F21	07 Nov 2019	26	16.05	83.96	7.1	33.62	8.0	24.7	1.18
F21	07 Nov 2019	27	15.99	84.21	7.1	33.61	8.0	24.7	1.10
F21	07 Nov 2019	28	15.96	84.86	7.1	33.61	8.0	24.7	1.02
F21	07 Nov 2019	29	15.92	85.01	7.2	33.61	8.0	24.7	0.95
F21	07 Nov 2019	30	15.87	85.11	7.2	33.61	8.0	24.7	0.94
F21	07 Nov 2019	31	15.75	85.25	7.2	33.61	8.0	24.7	0.93
F21	07 Nov 2019	32	15.63	85.42	7.2	33.61	8.0	24.8	0.86
F21	07 Nov 2019	33	15.52	85.71	7.2	33.60	8.0	24.8	0.84
F21	07 Nov 2019	34	15.39	85.71	7.1	33.60	8.0	24.8	0.81
F21	07 Nov 2019	35	15.30	86.02	7.1	33.60	8.0	24.8	0.67
F21	07 Nov 2019	36	15.19	86.45	7.1	33.59	8.0	24.8	0.61
F21	07 Nov 2019	37	15.13	86.52	7.2	33.59	8.0	24.9	0.62
F21	07 Nov 2019	38	15.08	86.52	7.2	33.59	8.0	24.9	0.61
F21	07 Nov 2019	39	15.01	86.30	7.2	33.59	8.0	24.9	0.66
F21	07 Nov 2019	40	14.91	86.43	7.2	33.59	8.0	24.9	0.70
F21	07 Nov 2019	41	14.71	86.35	7.1	33.61	8.0	25.0	0.72
F21	07 Nov 2019	42	14.55	86.43	7.1	33.60	8.0	25.0	0.75
F21	07 Nov 2019	43	14.49	86.66	7.0	33.60	8.0	25.0	0.72
F21	07 Nov 2019	44	14.45	86.65	7.0	33.60	8.0	25.0	0.70
F21	07 Nov 2019	45	14.34	86.67	6.9	33.61	8.0	25.0	0.68
F21	07 Nov 2019	46	14.18	86.79	6.9	33.61	8.0	25.1	0.67
F21	07 Nov 2019	47	14.03	86.73	6.8	33.61	8.0	25.1	0.69
F21	07 Nov 2019	48	13.92	86.89	6.8	33.62	8.0	25.1	0.68
F21	07 Nov 2019	49	13.79	86.93	6.7	33.62	8.0	25.2	0.63
F21	07 Nov 2019	50	13.71	86.98	6.6	33.62	8.0	25.2	0.61
F21	07 Nov 2019	51	13.68	87.10	6.6	33.62	8.0	25.2	0.61
F21	07 Nov 2019	52	13.65	87.05	6.5	33.62	8.0	25.2	0.61
F21	07 Nov 2019	53	13.61	87.06	6.5	33.62	8.0	25.2	0.57
F21	07 Nov 2019	54	13.53	87.08	6.4	33.63	8.0	25.2	0.56
F21	07 Nov 2019	55	13.44	87.15	6.3	33.64	7.9	25.2	0.54
F21	07 Nov 2019	56	13.43	87.12	6.2	33.64	7.9	25.3	0.53
F21	07 Nov 2019	57	13.42	87.10	6.2	33.64	7.9	25.3	0.54
F21	07 Nov 2019	58	13.38	87.14	6.1	33.64	7.9	25.3	0.52
F21	07 Nov 2019	59	13.30	87.23	6.1	33.64	7.9	25.3	0.51
F21	07 Nov 2019	60	13.24	87.22	6.1	33.64	7.9	25.3	0.51
F21	07 Nov 2019	61	13.16	87.21	6.1	33.64	7.9	25.3	0.49
F21	07 Nov 2019	62	13.15	87.24	6.1	33.64	7.9	25.3	0.48
F21	07 Nov 2019	63	13.11	87.41	6.0	33.64	7.9	25.3	0.47
F21	07 Nov 2019	64	13.08	87.32	6.0	33.65	7.9	25.3	0.46
F21	07 Nov 2019	65	13.05	87.28	6.0	33.65	7.9	25.3	0.46
F21	07 Nov 2019	66	12.98	87.29	5.9	33.65	7.9	25.4	0.44
F21	07 Nov 2019	67	12.95	87.41	5.9	33.65	7.9	25.4	0.43
F21	07 Nov 2019	68	12.93	87.33	5.9	33.65	7.9	25.4	0.43
F21	07 Nov 2019	69	12.91	87.32	5.8	33.65	7.9	25.4	0.42
F21	07 Nov 2019	70	12.91	87.30	5.8	33.65	7.9	25.4	0.43
F21	07 Nov 2019	71	12.91	87.36	5.8	33.65	7.9	25.4	0.42
F21	07 Nov 2019	72	12.89	87.42	5.8	33.65	7.9	25.4	0.41
F21	07 Nov 2019	73	12.78	87.18	5.7	33.64	7.9	25.4	0.40
F21	07 Nov 2019	74	12.65	86.73	5.5	33.63	7.9	25.4	0.38
F21	07 Nov 2019	75	12.61	86.25	5.5	33.62	7.9	25.4	0.37
F21	07 Nov 2019	76	12.61	86.32	5.4	33.62	7.9	25.4	0.36
F21	07 Nov 2019	77	12.58	86.25	5.4	33.62	7.9	25.4	0.36
F21	07 Nov 2019	78	12.55	86.13	5.4	33.61	7.9	25.4	0.36
F21	07 Nov 2019	79	12.52	86.00	5.4	33.61	7.8	25.4	0.35
F21	07 Nov 2019	80	12.52	85.95	5.4	33.61	7.8	25.4	0.35
F21	07 Nov 2019	81	12.52	85.85	5.4	33.61	7.8	25.4	0.35
F21	07 Nov 2019	82	12.53	85.97	5.4	33.61	7.8	25.4	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	07 Nov 2019	83	12.58	86.15	5.4	33.64	7.9	25.4	0.37
F21	07 Nov 2019	84	12.56	85.76	5.4	33.66	7.9	25.4	0.36
F21	07 Nov 2019	85	12.55	85.41	5.4	33.66	7.8	25.4	0.38
F22	07 Nov 2019	1	17.40	78.89	8.5	33.64	8.2	24.4	1.68
F22	07 Nov 2019	2	17.38	79.49	8.6	33.64	8.2	24.4	1.81
F22	07 Nov 2019	3	17.36	79.52	8.6	33.64	8.2	24.4	1.97
F22	07 Nov 2019	4	17.36	79.31	8.5	33.64	8.2	24.4	2.02
F22	07 Nov 2019	5	17.33	79.22	8.6	33.64	8.2	24.4	2.13
F22	07 Nov 2019	6	17.29	79.01	8.6	33.63	8.2	24.4	2.34
F22	07 Nov 2019	7	17.28	78.71	8.6	33.63	8.2	24.4	2.55
F22	07 Nov 2019	8	17.27	78.49	8.6	33.63	8.2	24.4	2.61
F22	07 Nov 2019	9	17.25	78.61	8.6	33.63	8.2	24.4	2.74
F22	07 Nov 2019	10	17.23	78.68	8.6	33.63	8.2	24.4	2.84
F22	07 Nov 2019	11	17.21	78.66	8.5	33.63	8.2	24.4	2.86
F22	07 Nov 2019	12	17.15	78.93	8.5	33.63	8.1	24.4	2.91
F22	07 Nov 2019	13	17.07	79.09	8.3	33.63	8.1	24.4	2.97
F22	07 Nov 2019	14	16.93	79.58	8.2	33.62	8.1	24.5	3.02
F22	07 Nov 2019	15	16.81	79.74	8.1	33.62	8.1	24.5	3.00
F22	07 Nov 2019	16	16.69	79.98	7.9	33.62	8.1	24.5	3.07
F22	07 Nov 2019	17	16.60	80.64	7.8	33.61	8.1	24.5	2.85
F22	07 Nov 2019	18	16.53	81.48	7.7	33.61	8.1	24.6	2.55
F22	07 Nov 2019	19	16.33	82.52	7.6	33.61	8.1	24.6	2.13
F22	07 Nov 2019	20	16.23	83.39	7.6	33.60	8.1	24.6	1.80
F22	07 Nov 2019	21	16.19	83.82	7.6	33.60	8.1	24.6	1.69
F22	07 Nov 2019	22	16.17	84.01	7.5	33.60	8.1	24.6	1.61
F22	07 Nov 2019	23	16.16	84.15	7.5	33.60	8.1	24.6	1.56
F22	07 Nov 2019	24	16.12	84.61	7.5	33.60	8.1	24.6	1.40
F22	07 Nov 2019	25	16.12	84.76	7.5	33.60	8.1	24.6	1.34
F22	07 Nov 2019	26	16.09	85.00	7.5	33.60	8.1	24.7	1.29
F22	07 Nov 2019	27	16.06	85.14	7.5	33.60	8.1	24.7	1.21
F22	07 Nov 2019	28	16.04	85.12	7.5	33.60	8.1	24.7	1.18
F22	07 Nov 2019	29	16.02	85.10	7.4	33.60	8.1	24.7	1.15
F22	07 Nov 2019	30	15.99	85.26	7.5	33.60	8.1	24.7	1.10
F22	07 Nov 2019	31	15.95	85.37	7.5	33.60	8.1	24.7	1.12
F22	07 Nov 2019	32	15.86	85.31	7.4	33.61	8.1	24.7	1.05
F22	07 Nov 2019	33	15.80	85.37	7.4	33.60	8.1	24.7	1.08
F22	07 Nov 2019	34	15.65	85.51	7.3	33.62	8.0	24.8	1.02
F22	07 Nov 2019	35	15.42	85.70	7.3	33.60	8.0	24.8	1.05
F22	07 Nov 2019	36	15.38	85.75	7.3	33.60	8.0	24.8	0.94
F22	07 Nov 2019	37	15.30	85.80	7.2	33.61	8.0	24.8	0.96
F22	07 Nov 2019	38	14.89	86.25	7.2	33.61	8.0	24.9	0.87
F22	07 Nov 2019	39	14.73	86.37	7.2	33.60	8.0	25.0	0.84
F22	07 Nov 2019	40	14.47	86.56	7.1	33.61	8.0	25.0	0.78
F22	07 Nov 2019	41	14.29	86.60	7.1	33.60	8.0	25.0	0.80
F22	07 Nov 2019	42	14.23	86.73	7.1	33.59	8.0	25.0	0.79
F22	07 Nov 2019	43	14.12	86.84	7.1	33.59	8.0	25.1	0.82
F22	07 Nov 2019	44	14.02	86.82	7.1	33.59	8.0	25.1	0.78
F22	07 Nov 2019	45	14.02	86.90	7.0	33.59	8.0	25.1	0.75
F22	07 Nov 2019	46	14.01	86.86	7.0	33.59	8.0	25.1	0.73
F22	07 Nov 2019	47	13.99	86.94	6.9	33.60	8.0	25.1	0.69
F22	07 Nov 2019	48	13.92	87.03	6.8	33.62	8.0	25.1	0.65
F22	07 Nov 2019	49	13.78	86.93	6.6	33.62	8.0	25.2	0.62
F22	07 Nov 2019	50	13.71	87.14	6.6	33.62	8.0	25.2	0.60
F22	07 Nov 2019	51	13.66	87.07	6.5	33.62	8.0	25.2	0.59
F22	07 Nov 2019	52	13.61	86.99	6.4	33.62	8.0	25.2	0.60
F22	07 Nov 2019	53	13.60	87.09	6.4	33.62	7.9	25.2	0.58
F22	07 Nov 2019	54	13.58	87.06	6.4	33.62	7.9	25.2	0.56
F22	07 Nov 2019	55	13.53	87.18	6.4	33.63	7.9	25.2	0.54
F22	07 Nov 2019	56	13.51	87.23	6.3	33.63	7.9	25.2	0.54
F22	07 Nov 2019	57	13.48	87.24	6.3	33.64	7.9	25.2	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	07 Nov 2019	58	13.47	87.27	6.3	33.64	7.9	25.2	0.53
F22	07 Nov 2019	59	13.45	87.17	6.3	33.63	7.9	25.2	0.54
F22	07 Nov 2019	60	13.43	87.17	6.3	33.63	7.9	25.2	0.55
F22	07 Nov 2019	61	13.42	87.20	6.3	33.63	7.9	25.2	0.52
F22	07 Nov 2019	62	13.39	87.14	6.2	33.63	7.9	25.3	0.53
F22	07 Nov 2019	63	13.31	87.30	6.2	33.63	7.9	25.3	0.51
F22	07 Nov 2019	64	13.26	87.34	6.2	33.64	7.9	25.3	0.51
F22	07 Nov 2019	65	13.10	87.39	6.0	33.65	7.9	25.3	0.49
F22	07 Nov 2019	66	13.01	87.52	6.0	33.65	7.9	25.3	0.47
F22	07 Nov 2019	67	12.99	87.53	5.9	33.65	7.9	25.4	0.45
F22	07 Nov 2019	68	12.96	87.37	5.9	33.65	7.9	25.4	0.44
F22	07 Nov 2019	69	12.93	87.38	5.9	33.65	7.9	25.4	0.44
F22	07 Nov 2019	70	12.92	87.47	5.9	33.65	7.9	25.4	0.44
F22	07 Nov 2019	71	12.91	87.36	5.8	33.65	7.9	25.4	0.43
F22	07 Nov 2019	72	12.87	87.33	5.8	33.66	7.9	25.4	0.42
F22	07 Nov 2019	73	12.85	87.42	5.8	33.66	7.9	25.4	0.42
F22	07 Nov 2019	74	12.83	87.46	5.7	33.67	7.9	25.4	0.42
F22	07 Nov 2019	75	12.81	87.53	5.6	33.68	7.9	25.4	0.42
F22	07 Nov 2019	76	12.76	87.61	5.5	33.70	7.9	25.4	0.41
F22	07 Nov 2019	77	12.71	87.46	5.4	33.69	7.9	25.4	0.41
F22	07 Nov 2019	78	12.66	87.06	5.4	33.69	7.9	25.4	0.40
F22	07 Nov 2019	79	12.56	86.74	5.4	33.68	7.9	25.5	0.38
F22	07 Nov 2019	80	12.50	86.05	5.4	33.68	7.8	25.5	0.38
F22	07 Nov 2019	81	12.48	85.57	5.4	33.68	7.8	25.5	0.40
F22	07 Nov 2019	82	12.47	85.35	5.4	33.68	7.8	25.5	0.36
F23	07 Nov 2019	1	17.65	81.58	8.5	33.63	8.2	24.3	1.61
F23	07 Nov 2019	2	17.65	81.38	8.5	33.63	8.2	24.3	1.61
F23	07 Nov 2019	3	17.65	81.59	8.5	33.63	8.2	24.3	1.68
F23	07 Nov 2019	4	17.58	81.41	8.5	33.65	8.2	24.3	1.69
F23	07 Nov 2019	5	17.44	80.30	8.6	33.64	8.2	24.4	2.07
F23	07 Nov 2019	6	17.36	79.93	8.6	33.63	8.2	24.4	2.27
F23	07 Nov 2019	7	17.28	79.94	8.6	33.63	8.2	24.4	2.45
F23	07 Nov 2019	8	17.26	79.89	8.6	33.62	8.2	24.4	2.63
F23	07 Nov 2019	9	17.25	80.01	8.6	33.62	8.2	24.4	2.67
F23	07 Nov 2019	10	17.24	80.25	8.5	33.62	8.2	24.4	2.76
F23	07 Nov 2019	11	17.23	80.44	8.5	33.62	8.2	24.4	2.70
F23	07 Nov 2019	12	17.19	80.64	8.4	33.63	8.2	24.4	2.75
F23	07 Nov 2019	13	17.11	80.89	8.4	33.63	8.1	24.4	2.74
F23	07 Nov 2019	14	17.06	81.09	8.3	33.62	8.1	24.4	2.68
F23	07 Nov 2019	15	17.04	81.24	8.3	33.62	8.1	24.4	2.56
F23	07 Nov 2019	16	17.01	81.39	8.2	33.62	8.1	24.5	2.49
F23	07 Nov 2019	17	16.82	81.54	8.0	33.64	8.1	24.5	2.47
F23	07 Nov 2019	18	16.67	81.87	7.8	33.62	8.1	24.5	2.44
F23	07 Nov 2019	19	16.60	82.11	7.6	33.62	8.1	24.5	2.43
F23	07 Nov 2019	20	16.54	82.26	7.6	33.62	8.1	24.6	2.40
F23	07 Nov 2019	21	16.53	82.45	7.6	33.61	8.1	24.6	2.31
F23	07 Nov 2019	22	16.51	82.59	7.5	33.61	8.1	24.6	2.21
F23	07 Nov 2019	23	16.50	82.90	7.5	33.61	8.1	24.6	2.18
F23	07 Nov 2019	24	16.47	83.01	7.5	33.61	8.1	24.6	2.08
F23	07 Nov 2019	25	16.42	83.49	7.5	33.61	8.1	24.6	1.94
F23	07 Nov 2019	26	16.39	83.79	7.5	33.61	8.1	24.6	1.76
F23	07 Nov 2019	27	16.36	83.89	7.4	33.61	8.1	24.6	1.65
F23	07 Nov 2019	28	16.32	83.95	7.4	33.61	8.1	24.6	1.59
F23	07 Nov 2019	29	16.27	84.18	7.4	33.61	8.1	24.6	1.44
F23	07 Nov 2019	30	16.20	84.55	7.4	33.62	8.1	24.6	1.35
F23	07 Nov 2019	31	16.11	85.00	7.4	33.62	8.1	24.7	1.23
F23	07 Nov 2019	32	15.98	85.16	7.3	33.62	8.1	24.7	1.08
F23	07 Nov 2019	33	15.64	85.61	7.3	33.62	8.1	24.8	1.04
F23	07 Nov 2019	34	15.33	85.80	7.3	33.61	8.0	24.8	1.06
F23	07 Nov 2019	35	14.98	85.98	7.3	33.62	8.0	24.9	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	07 Nov 2019	36	14.66	85.85	7.4	33.58	8.0	25.0	1.00
F23	07 Nov 2019	37	14.62	85.92	7.4	33.57	8.0	25.0	0.98
F23	07 Nov 2019	38	14.60	85.95	7.4	33.57	8.0	25.0	0.97
F23	07 Nov 2019	39	14.58	86.12	7.3	33.58	8.0	25.0	0.96
F23	07 Nov 2019	40	14.54	86.08	7.3	33.59	8.0	25.0	0.98
F23	07 Nov 2019	41	14.50	86.14	7.2	33.59	8.0	25.0	0.98
F23	07 Nov 2019	42	14.46	86.40	7.1	33.60	8.0	25.0	0.97
F23	07 Nov 2019	43	14.43	86.52	7.0	33.60	8.0	25.0	0.90
F23	07 Nov 2019	44	14.39	86.63	7.0	33.61	8.0	25.0	0.84
F23	07 Nov 2019	45	14.36	86.56	7.0	33.61	8.0	25.0	0.85
F23	07 Nov 2019	46	14.24	86.82	6.9	33.62	8.0	25.1	0.79
F23	07 Nov 2019	47	14.07	86.83	6.8	33.62	8.0	25.1	0.69
F23	07 Nov 2019	48	13.97	86.89	6.8	33.62	8.0	25.1	0.65
F23	07 Nov 2019	49	13.89	86.98	6.7	33.62	8.0	25.1	0.62
F23	07 Nov 2019	50	13.79	86.98	6.6	33.62	8.0	25.2	0.60
F23	07 Nov 2019	51	13.71	87.14	6.6	33.62	8.0	25.2	0.58
F23	07 Nov 2019	52	13.69	87.09	6.5	33.62	8.0	25.2	0.58
F23	07 Nov 2019	53	13.61	87.14	6.5	33.62	8.0	25.2	0.54
F23	07 Nov 2019	54	13.54	87.12	6.4	33.63	8.0	25.2	0.52
F23	07 Nov 2019	55	13.47	87.16	6.3	33.63	7.9	25.2	0.51
F23	07 Nov 2019	56	13.42	87.24	6.3	33.64	7.9	25.3	0.52
F23	07 Nov 2019	57	13.39	87.20	6.2	33.64	7.9	25.3	0.50
F23	07 Nov 2019	58	13.36	87.20	6.2	33.63	7.9	25.3	0.48
F23	07 Nov 2019	59	13.33	87.33	6.2	33.63	7.9	25.3	0.49
F23	07 Nov 2019	60	13.28	87.36	6.2	33.64	7.9	25.3	0.48
F23	07 Nov 2019	61	13.22	87.41	6.1	33.64	7.9	25.3	0.49
F23	07 Nov 2019	62	13.19	87.38	6.1	33.64	7.9	25.3	0.48
F23	07 Nov 2019	63	13.16	87.41	6.1	33.64	7.9	25.3	0.47
F23	07 Nov 2019	64	13.15	87.34	6.0	33.64	7.9	25.3	0.48
F23	07 Nov 2019	65	13.06	87.45	6.0	33.65	7.9	25.3	0.48
F23	07 Nov 2019	66	12.93	87.48	5.9	33.66	7.9	25.4	0.43
F23	07 Nov 2019	67	12.89	87.38	5.8	33.66	7.9	25.4	0.43
F23	07 Nov 2019	68	12.87	87.45	5.8	33.66	7.9	25.4	0.42
F23	07 Nov 2019	69	12.83	87.49	5.7	33.67	7.9	25.4	0.41
F23	07 Nov 2019	70	12.82	87.40	5.7	33.67	7.9	25.4	0.40
F23	07 Nov 2019	71	12.81	87.47	5.6	33.67	7.9	25.4	0.41
F23	07 Nov 2019	72	12.80	87.54	5.6	33.68	7.9	25.4	0.41
F23	07 Nov 2019	73	12.77	87.48	5.6	33.68	7.9	25.4	0.41
F23	07 Nov 2019	74	12.75	87.42	5.5	33.69	7.9	25.4	0.40
F23	07 Nov 2019	75	12.63	87.43	5.4	33.69	7.9	25.4	0.40
F23	07 Nov 2019	76	12.52	86.89	5.4	33.67	7.9	25.5	0.39
F23	07 Nov 2019	77	12.51	86.81	5.4	33.67	7.9	25.5	0.36
F23	07 Nov 2019	78	12.50	86.75	5.4	33.68	7.9	25.5	0.35
F23	07 Nov 2019	79	12.48	86.40	5.4	33.68	7.9	25.5	0.38
F23	07 Nov 2019	80	12.47	86.30	5.4	33.68	7.9	25.5	0.35
F23	07 Nov 2019	81	12.45	86.01	5.4	33.69	7.9	25.5	0.35
F23	07 Nov 2019	82	12.44	85.94	5.4	33.69	7.9	25.5	0.35
F23	07 Nov 2019	83	12.45	85.81	5.4	33.68	7.8	25.5	0.36
F24	07 Nov 2019	1	18.38	84.37	8.2	33.65	8.1	24.1	0.80
F24	07 Nov 2019	2	18.38	83.63	8.2	33.65	8.1	24.1	0.80
F24	07 Nov 2019	3	18.37	84.64	8.2	33.65	8.1	24.1	0.89
F24	07 Nov 2019	4	18.32	84.77	8.2	33.65	8.1	24.2	1.17
F24	07 Nov 2019	5	18.17	83.62	8.2	33.66	8.1	24.2	1.46
F24	07 Nov 2019	6	17.75	82.71	8.5	33.67	8.2	24.3	1.82
F24	07 Nov 2019	7	17.57	81.28	8.6	33.63	8.2	24.3	2.11
F24	07 Nov 2019	8	17.56	81.16	8.6	33.62	8.2	24.3	2.11
F24	07 Nov 2019	9	17.54	81.14	8.6	33.62	8.2	24.3	2.13
F24	07 Nov 2019	10	17.47	81.18	8.6	33.63	8.2	24.3	2.23
F24	07 Nov 2019	11	17.39	81.20	8.6	33.62	8.2	24.4	2.29
F24	07 Nov 2019	12	17.30	81.29	8.6	33.62	8.2	24.4	2.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	07 Nov 2019	13	17.26	81.34	8.6	33.62	8.2	24.4	2.33
F24	07 Nov 2019	14	17.15	81.29	8.5	33.62	8.2	24.4	2.32
F24	07 Nov 2019	15	17.08	81.55	8.4	33.62	8.1	24.4	2.33
F24	07 Nov 2019	16	16.99	81.67	8.3	33.62	8.1	24.5	2.26
F24	07 Nov 2019	17	16.89	82.06	8.2	33.62	8.1	24.5	2.10
F24	07 Nov 2019	18	16.83	82.17	8.1	33.61	8.1	24.5	2.09
F24	07 Nov 2019	19	16.78	82.31	8.1	33.62	8.1	24.5	2.10
F24	07 Nov 2019	20	16.74	82.43	8.0	33.62	8.1	24.5	1.98
F24	07 Nov 2019	21	16.67	82.46	7.9	33.62	8.1	24.5	1.97
F24	07 Nov 2019	22	16.54	82.34	7.7	33.62	8.1	24.6	1.92
F24	07 Nov 2019	23	16.44	82.81	7.6	33.62	8.1	24.6	1.85
F24	07 Nov 2019	24	16.36	83.36	7.5	33.61	8.1	24.6	1.75
F24	07 Nov 2019	25	16.31	83.56	7.5	33.61	8.1	24.6	1.68
F24	07 Nov 2019	26	16.26	83.73	7.5	33.61	8.1	24.6	1.63
F24	07 Nov 2019	27	16.24	83.92	7.5	33.61	8.1	24.6	1.54
F24	07 Nov 2019	28	16.20	84.12	7.5	33.61	8.1	24.6	1.52
F24	07 Nov 2019	29	16.11	84.26	7.5	33.61	8.1	24.7	1.45
F24	07 Nov 2019	30	15.97	84.44	7.5	33.60	8.1	24.7	1.40
F24	07 Nov 2019	31	15.92	84.62	7.5	33.60	8.1	24.7	1.32
F24	07 Nov 2019	32	15.67	84.91	7.5	33.61	8.1	24.8	1.15
F24	07 Nov 2019	33	15.54	85.26	7.5	33.58	8.1	24.8	1.09
F24	07 Nov 2019	34	15.38	85.53	7.6	33.59	8.1	24.8	1.20
F24	07 Nov 2019	35	15.15	85.26	7.6	33.57	8.1	24.8	1.20
F24	07 Nov 2019	36	15.07	85.07	7.7	33.57	8.1	24.9	1.22
F24	07 Nov 2019	37	14.95	85.19	7.6	33.57	8.0	24.9	1.24
F24	07 Nov 2019	38	14.57	85.65	7.4	33.58	8.0	25.0	1.08
F24	07 Nov 2019	39	14.36	86.37	7.3	33.57	8.0	25.0	0.92
F24	07 Nov 2019	40	14.29	86.53	7.3	33.57	8.0	25.0	0.86
F24	07 Nov 2019	41	14.20	86.60	7.3	33.57	8.0	25.0	0.83
F24	07 Nov 2019	42	14.12	86.63	7.3	33.57	8.0	25.1	0.84
F24	07 Nov 2019	43	14.08	86.74	7.2	33.57	8.0	25.1	0.84
F24	07 Nov 2019	44	13.95	86.85	7.1	33.58	8.0	25.1	0.78
F24	07 Nov 2019	45	13.91	86.98	7.0	33.59	8.0	25.1	0.73
F24	07 Nov 2019	46	13.88	87.04	6.9	33.60	8.0	25.1	0.68
F24	07 Nov 2019	47	13.80	87.11	6.8	33.61	8.0	25.2	0.64
F24	07 Nov 2019	48	13.73	87.15	6.7	33.62	8.0	25.2	0.58
F24	07 Nov 2019	49	13.67	87.12	6.6	33.62	8.0	25.2	0.55
F24	07 Nov 2019	50	13.62	87.20	6.6	33.62	8.0	25.2	0.52
F24	07 Nov 2019	51	13.59	87.27	6.6	33.62	8.0	25.2	0.53
F24	07 Nov 2019	52	13.58	87.27	6.6	33.61	8.0	25.2	0.54
F24	07 Nov 2019	53	13.57	87.28	6.6	33.61	8.0	25.2	0.55
F24	07 Nov 2019	54	13.56	87.27	6.6	33.61	8.0	25.2	0.57
F24	07 Nov 2019	55	13.55	87.33	6.6	33.61	8.0	25.2	0.57
F24	07 Nov 2019	56	13.55	87.33	6.6	33.61	8.0	25.2	0.56
F24	07 Nov 2019	57	13.54	87.27	6.6	33.61	8.0	25.2	0.55
F24	07 Nov 2019	58	13.53	87.29	6.6	33.61	8.0	25.2	0.56
F24	07 Nov 2019	59	13.51	87.32	6.6	33.61	8.0	25.2	0.54
F24	07 Nov 2019	60	13.45	87.35	6.5	33.61	8.0	25.2	0.55
F24	07 Nov 2019	61	13.37	87.28	6.5	33.61	8.0	25.2	0.56
F24	07 Nov 2019	62	13.34	87.43	6.5	33.61	8.0	25.2	0.56
F24	07 Nov 2019	63	13.31	87.57	6.6	33.60	8.0	25.2	0.60
F24	07 Nov 2019	64	13.24	87.56	6.5	33.61	8.0	25.3	0.58
F24	07 Nov 2019	65	13.02	87.73	6.2	33.65	7.9	25.3	0.55
F24	07 Nov 2019	66	12.91	87.80	6.0	33.66	7.9	25.4	0.48
F24	07 Nov 2019	67	12.83	87.63	5.9	33.66	7.9	25.4	0.45
F24	07 Nov 2019	68	12.76	87.58	5.8	33.66	7.9	25.4	0.43
F24	07 Nov 2019	69	12.74	87.57	5.8	33.67	7.9	25.4	0.43
F24	07 Nov 2019	70	12.69	87.63	5.7	33.67	7.9	25.4	0.42
F24	07 Nov 2019	71	12.65	87.83	5.7	33.68	7.9	25.4	0.41
F24	07 Nov 2019	72	12.64	87.83	5.6	33.68	7.9	25.4	0.40
F24	07 Nov 2019	73	12.61	87.80	5.5	33.69	7.9	25.5	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	07 Nov 2019	74	12.59	87.65	5.5	33.69	7.9	25.5	0.38
F24	07 Nov 2019	75	12.59	87.69	5.5	33.69	7.9	25.5	0.39
F24	07 Nov 2019	76	12.52	87.68	5.4	33.69	7.9	25.5	0.38
F24	07 Nov 2019	77	12.49	87.42	5.4	33.69	7.9	25.5	0.37
F24	07 Nov 2019	78	12.45	86.95	5.4	33.69	7.8	25.5	0.35
F24	07 Nov 2019	79	12.45	86.40	5.4	33.69	7.8	25.5	0.34
F24	07 Nov 2019	80	12.42	86.01	5.3	33.69	7.8	25.5	0.34
F24	07 Nov 2019	81	12.42	85.77	5.3	33.69	7.8	25.5	0.34
F24	07 Nov 2019	82	12.43	85.91	5.3	33.69	7.8	25.5	0.34
F24	07 Nov 2019	83	12.42	85.87	5.3	33.69	7.8	25.5	0.34
F25	07 Nov 2019	1	18.68	85.25	8.1	33.66	8.1	24.1	0.74
F25	07 Nov 2019	2	18.68	85.27	8.1	33.67	8.1	24.1	0.73
F25	07 Nov 2019	3	18.67	85.42	8.1	33.66	8.1	24.1	0.80
F25	07 Nov 2019	4	18.67	85.31	8.1	33.66	8.1	24.1	0.76
F25	07 Nov 2019	5	18.64	85.30	8.1	33.66	8.1	24.1	0.81
F25	07 Nov 2019	6	18.58	85.27	8.1	33.66	8.1	24.1	0.86
F25	07 Nov 2019	7	18.24	85.05	8.3	33.66	8.1	24.2	1.14
F25	07 Nov 2019	8	17.92	84.15	8.5	33.60	8.1	24.2	1.34
F25	07 Nov 2019	9	17.74	83.85	8.6	33.59	8.1	24.3	1.44
F25	07 Nov 2019	10	17.64	83.68	8.6	33.57	8.1	24.3	1.49
F25	07 Nov 2019	11	17.63	83.40	8.6	33.60	8.1	24.3	1.72
F25	07 Nov 2019	12	17.53	82.21	8.5	33.63	8.1	24.3	2.05
F25	07 Nov 2019	13	17.35	81.17	8.5	33.62	8.1	24.4	2.37
F25	07 Nov 2019	14	17.11	80.44	8.5	33.63	8.1	24.4	2.69
F25	07 Nov 2019	15	16.98	80.44	8.4	33.62	8.1	24.5	2.89
F25	07 Nov 2019	16	16.91	80.58	8.3	33.62	8.1	24.5	2.91
F25	07 Nov 2019	17	16.61	81.13	8.1	33.62	8.1	24.5	2.72
F25	07 Nov 2019	18	16.44	81.82	7.9	33.61	8.1	24.6	2.48
F25	07 Nov 2019	19	16.41	82.20	7.8	33.60	8.1	24.6	2.34
F25	07 Nov 2019	20	16.37	82.38	7.7	33.60	8.1	24.6	2.27
F25	07 Nov 2019	21	16.32	82.65	7.6	33.61	8.1	24.6	2.17
F25	07 Nov 2019	22	16.26	82.88	7.7	33.61	8.1	24.6	2.02
F25	07 Nov 2019	23	16.10	83.01	7.8	33.60	8.1	24.7	1.97
F25	07 Nov 2019	24	15.97	83.13	7.8	33.58	8.1	24.7	2.00
F25	07 Nov 2019	25	15.96	83.16	7.8	33.58	8.1	24.7	1.98
F25	07 Nov 2019	26	15.83	83.50	7.9	33.59	8.1	24.7	1.85
F25	07 Nov 2019	27	15.68	83.89	7.8	33.57	8.1	24.7	1.74
F25	07 Nov 2019	28	15.53	84.24	7.8	33.58	8.1	24.8	1.62
F25	07 Nov 2019	29	15.29	84.76	7.8	33.58	8.1	24.8	1.43
F25	07 Nov 2019	30	15.09	85.22	7.8	33.56	8.1	24.8	1.35
F25	07 Nov 2019	31	15.05	85.22	7.7	33.56	8.0	24.9	1.32
F25	07 Nov 2019	32	14.80	85.37	7.6	33.58	8.0	24.9	1.19
F25	07 Nov 2019	33	14.58	85.78	7.5	33.57	8.0	25.0	1.09
F25	07 Nov 2019	34	14.50	86.09	7.5	33.56	8.0	25.0	0.99
F25	07 Nov 2019	35	14.47	86.14	7.5	33.56	8.0	25.0	0.94
F25	07 Nov 2019	36	14.46	86.16	7.4	33.56	8.0	25.0	0.93
F25	07 Nov 2019	37	14.44	86.24	7.4	33.56	8.0	25.0	0.91
F25	07 Nov 2019	38	14.40	86.31	7.4	33.56	8.0	25.0	0.91
F25	07 Nov 2019	39	14.37	86.36	7.4	33.56	8.0	25.0	0.89
F25	07 Nov 2019	40	14.36	86.40	7.4	33.56	8.0	25.0	0.87
F25	07 Nov 2019	41	14.34	86.35	7.3	33.56	8.0	25.0	0.86
F25	07 Nov 2019	42	14.23	86.43	7.3	33.57	8.0	25.0	0.83
F25	07 Nov 2019	43	14.18	86.52	7.2	33.57	8.0	25.0	0.81
F25	07 Nov 2019	44	14.10	86.69	7.2	33.57	8.0	25.1	0.81
F25	07 Nov 2019	45	14.10	86.82	7.2	33.57	8.0	25.1	0.77
F25	07 Nov 2019	46	14.09	86.69	7.2	33.57	8.0	25.1	0.78
F25	07 Nov 2019	47	14.08	86.71	7.2	33.57	8.0	25.1	0.76
F25	07 Nov 2019	48	14.05	86.81	7.1	33.58	8.0	25.1	0.76
F25	07 Nov 2019	49	13.93	86.89	7.0	33.59	8.0	25.1	0.73
F25	07 Nov 2019	50	13.72	87.07	6.9	33.60	8.0	25.2	0.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	07 Nov 2019	51	13.62	87.11	6.7	33.60	8.0	25.2	0.66
F25	07 Nov 2019	52	13.50	87.19	6.6	33.60	8.0	25.2	0.64
F25	07 Nov 2019	53	13.43	87.29	6.5	33.60	8.0	25.2	0.61
F25	07 Nov 2019	54	13.35	87.42	6.5	33.61	7.9	25.2	0.62
F25	07 Nov 2019	55	13.30	87.44	6.4	33.62	7.9	25.3	0.58
F25	07 Nov 2019	56	13.24	87.52	6.3	33.62	7.9	25.3	0.57
F25	07 Nov 2019	57	13.18	87.56	6.2	33.63	7.9	25.3	0.53
F25	07 Nov 2019	58	13.01	87.65	6.0	33.66	7.9	25.4	0.49
F25	07 Nov 2019	59	12.90	87.76	5.9	33.67	7.9	25.4	0.47
F25	07 Nov 2019	60	12.87	87.79	5.8	33.68	7.9	25.4	0.46
F25	07 Nov 2019	61	12.81	87.73	5.7	33.69	7.9	25.4	0.44
F25	07 Nov 2019	62	12.72	87.70	5.6	33.69	7.9	25.4	0.42
F25	07 Nov 2019	63	12.67	87.68	5.6	33.69	7.9	25.4	0.40
F25	07 Nov 2019	64	12.64	87.62	5.5	33.69	7.9	25.4	0.39
F25	07 Nov 2019	65	12.61	87.54	5.5	33.69	7.9	25.5	0.40
F25	07 Nov 2019	66	12.56	87.50	5.5	33.69	7.9	25.5	0.38
F25	07 Nov 2019	67	12.51	86.86	5.5	33.68	7.9	25.5	0.36
F25	07 Nov 2019	68	12.50	86.62	5.5	33.67	7.9	25.5	0.35
F25	07 Nov 2019	69	12.49	86.55	5.5	33.68	7.9	25.5	0.35
F25	07 Nov 2019	70	12.46	86.45	5.4	33.68	7.9	25.5	0.34
F25	07 Nov 2019	71	12.43	86.19	5.4	33.68	7.9	25.5	0.33
F25	07 Nov 2019	72	12.41	85.85	5.4	33.68	7.8	25.5	0.33
F25	07 Nov 2019	73	12.41	85.70	5.4	33.68	7.8	25.5	0.33
F25	07 Nov 2019	74	12.40	85.63	5.4	33.68	7.8	25.5	0.32
F25	07 Nov 2019	75	12.41	85.62	5.4	33.68	7.8	25.5	0.33
F25	07 Nov 2019	76	12.41	85.58	5.4	33.68	7.8	25.5	0.33
F25	07 Nov 2019	77	12.40	85.64	5.4	33.69	7.8	25.5	0.33
F25	07 Nov 2019	78	12.39	85.68	5.4	33.69	7.8	25.5	0.34
F25	07 Nov 2019	79	12.39	85.50	5.4	33.69	7.8	25.5	0.33
F25	07 Nov 2019	80	12.39	85.27	5.4	33.69	7.8	25.5	0.33
F25	07 Nov 2019	81	12.39	85.21	5.3	33.69	7.8	25.5	0.33
F26	05 Nov 2019	1	17.56	80.60	8.7	33.62	8.2	24.3	0.77
F26	05 Nov 2019	2	17.53	80.57	8.6	33.62	8.2	24.3	0.81
F26	05 Nov 2019	3	17.38	80.35	8.6	33.63	8.2	24.4	0.85
F26	05 Nov 2019	4	17.24	80.34	8.7	33.62	8.2	24.4	0.98
F26	05 Nov 2019	5	17.21	80.22	8.7	33.62	8.2	24.4	1.15
F26	05 Nov 2019	6	17.18	80.00	8.7	33.62	8.2	24.4	1.38
F26	05 Nov 2019	7	17.16	79.75	8.7	33.62	8.2	24.4	1.68
F26	05 Nov 2019	8	17.13	79.71	8.7	33.62	8.2	24.4	1.95
F26	05 Nov 2019	9	17.12	79.91	8.7	33.62	8.2	24.4	2.16
F26	05 Nov 2019	10	17.07	80.05	8.6	33.62	8.2	24.4	2.27
F26	05 Nov 2019	11	17.02	80.40	8.6	33.62	8.2	24.4	2.39
F26	05 Nov 2019	12	16.99	80.55	8.5	33.62	8.2	24.5	2.42
F26	05 Nov 2019	13	16.85	81.10	8.4	33.62	8.2	24.5	2.43
F26	05 Nov 2019	14	16.77	81.29	8.2	33.62	8.2	24.5	2.44
F26	05 Nov 2019	15	16.64	81.74	8.0	33.62	8.2	24.5	2.43
F26	05 Nov 2019	16	16.46	82.12	7.8	33.62	8.1	24.6	2.41
F26	05 Nov 2019	17	16.41	82.87	7.7	33.61	8.1	24.6	2.22
F26	05 Nov 2019	18	16.34	83.21	7.7	33.61	8.1	24.6	2.15
F26	05 Nov 2019	19	16.29	83.15	7.6	33.61	8.1	24.6	2.14
F26	05 Nov 2019	20	16.26	83.27	7.7	33.60	8.1	24.6	2.08
F26	05 Nov 2019	21	16.16	83.52	7.6	33.62	8.1	24.6	2.00
F26	05 Nov 2019	22	16.00	83.98	7.6	33.60	8.1	24.7	1.82
F26	05 Nov 2019	23	15.93	84.58	7.6	33.61	8.1	24.7	1.54
F26	05 Nov 2019	24	15.88	84.86	7.6	33.60	8.1	24.7	1.34
F26	05 Nov 2019	25	15.84	84.94	7.6	33.60	8.1	24.7	1.28
F26	05 Nov 2019	26	15.79	85.00	7.5	33.60	8.1	24.7	1.23
F26	05 Nov 2019	27	15.76	85.02	7.5	33.60	8.1	24.7	1.18
F26	05 Nov 2019	28	15.29	85.23	7.4	33.62	8.1	24.8	1.17
F26	05 Nov 2019	29	15.00	85.69	7.3	33.60	8.1	24.9	1.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	05 Nov 2019	30	14.68	85.86	7.2	33.62	8.1	25.0	0.99
F26	05 Nov 2019	31	14.44	86.00	7.1	33.61	8.0	25.0	0.95
F26	05 Nov 2019	32	14.42	86.13	7.1	33.60	8.0	25.0	0.89
F26	05 Nov 2019	33	14.30	86.17	7.0	33.60	8.0	25.0	0.88
F26	05 Nov 2019	34	14.30	86.21	7.0	33.60	8.0	25.0	0.85
F26	05 Nov 2019	35	14.22	86.28	7.0	33.61	8.0	25.1	0.84
F26	05 Nov 2019	36	14.20	86.29	7.0	33.61	8.0	25.1	0.84
F26	05 Nov 2019	37	14.18	86.27	6.9	33.61	8.0	25.1	0.83
F26	05 Nov 2019	38	14.00	86.40	6.8	33.63	8.0	25.1	0.83
F26	05 Nov 2019	39	13.92	86.55	6.8	33.62	8.0	25.1	0.79
F26	05 Nov 2019	40	13.89	86.65	6.8	33.61	8.0	25.1	0.76
F26	05 Nov 2019	41	13.87	86.74	6.8	33.62	8.0	25.1	0.74
F26	05 Nov 2019	42	13.85	86.80	6.8	33.62	8.0	25.1	0.74
F26	05 Nov 2019	43	13.73	86.90	6.6	33.63	8.0	25.2	0.69
F26	05 Nov 2019	44	13.65	87.05	6.6	33.63	8.0	25.2	0.69
F26	05 Nov 2019	45	13.60	87.04	6.5	33.64	8.0	25.2	0.64
F26	05 Nov 2019	46	13.41	87.18	6.4	33.65	8.0	25.3	0.67
F26	05 Nov 2019	47	13.41	87.24	6.3	33.64	8.0	25.3	0.58
F26	05 Nov 2019	48	13.30	87.34	6.2	33.65	8.0	25.3	0.55
F26	05 Nov 2019	49	13.27	87.36	6.1	33.66	8.0	25.3	0.53
F26	05 Nov 2019	50	13.15	87.42	6.0	33.66	8.0	25.3	0.51
F26	05 Nov 2019	51	13.02	87.48	5.9	33.67	7.9	25.4	0.48
F26	05 Nov 2019	52	12.95	87.43	5.8	33.68	7.9	25.4	0.46
F26	05 Nov 2019	53	12.91	87.55	5.8	33.68	7.9	25.4	0.45
F26	05 Nov 2019	54	12.90	87.43	5.7	33.68	7.9	25.4	0.46
F26	05 Nov 2019	55	12.89	87.39	5.7	33.68	7.9	25.4	0.44
F26	05 Nov 2019	56	12.89	87.38	5.7	33.68	7.9	25.4	0.44
F26	05 Nov 2019	57	12.88	87.32	5.6	33.68	7.9	25.4	0.44
F26	05 Nov 2019	58	12.86	87.34	5.6	33.69	7.9	25.4	0.44
F26	05 Nov 2019	59	12.85	87.35	5.6	33.69	7.9	25.4	0.44
F26	05 Nov 2019	60	12.85	87.35	5.6	33.69	7.9	25.4	0.43
F26	05 Nov 2019	61	12.84	87.41	5.6	33.69	7.9	25.4	0.43
F26	05 Nov 2019	62	12.82	87.54	5.6	33.69	7.9	25.4	0.43
F26	05 Nov 2019	63	12.81	87.30	5.5	33.69	7.9	25.4	0.43
F26	05 Nov 2019	64	12.81	87.28	5.5	33.69	7.9	25.4	0.43
F26	05 Nov 2019	65	12.79	87.22	5.5	33.69	7.9	25.4	0.42
F26	05 Nov 2019	66	12.75	87.29	5.6	33.68	7.9	25.4	0.42
F26	05 Nov 2019	67	12.71	87.27	5.6	33.68	7.9	25.4	0.41
F26	05 Nov 2019	68	12.68	87.28	5.6	33.68	7.9	25.4	0.41
F26	05 Nov 2019	69	12.65	87.30	5.6	33.68	7.9	25.4	0.42
F26	05 Nov 2019	70	12.59	87.35	5.6	33.67	7.9	25.4	0.40
F26	05 Nov 2019	71	12.52	87.40	5.5	33.69	7.9	25.5	0.38
F26	05 Nov 2019	72	12.46	87.37	5.5	33.69	7.9	25.5	0.37
F26	05 Nov 2019	73	12.44	87.37	5.4	33.69	7.9	25.5	0.37
F26	05 Nov 2019	74	12.38	87.42	5.4	33.70	7.9	25.5	0.36
F26	05 Nov 2019	75	12.27	87.43	5.3	33.70	7.9	25.5	0.35
F26	05 Nov 2019	76	12.21	87.46	5.3	33.70	7.9	25.5	0.34
F26	05 Nov 2019	77	12.18	87.49	5.4	33.69	7.9	25.5	0.34
F26	05 Nov 2019	78	12.17	87.52	5.4	33.69	7.9	25.5	0.34
F26	05 Nov 2019	79	12.15	87.52	5.4	33.69	7.9	25.5	0.33
F26	05 Nov 2019	80	12.12	87.48	5.3	33.70	7.9	25.6	0.33
F26	05 Nov 2019	81	12.07	87.50	5.3	33.70	7.9	25.6	0.32
F26	05 Nov 2019	82	12.02	87.50	5.2	33.71	7.9	25.6	0.33
F26	05 Nov 2019	83	11.97	87.50	5.2	33.71	7.9	25.6	0.31
F26	05 Nov 2019	84	11.94	87.49	5.1	33.72	7.9	25.6	0.31
F26	05 Nov 2019	85	11.88	87.52	5.1	33.72	7.8	25.6	0.30
F26	05 Nov 2019	86	11.84	87.47	5.0	33.73	7.8	25.6	0.30
F26	05 Nov 2019	87	11.84	87.52	5.0	33.73	7.8	25.6	0.30
F26	05 Nov 2019	88	11.82	87.57	4.9	33.74	7.8	25.6	0.30
F26	05 Nov 2019	89	11.76	87.62	4.9	33.74	7.8	25.7	0.29
F26	05 Nov 2019	90	11.73	87.70	4.9	33.74	7.8	25.7	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	05 Nov 2019	91	11.71	87.67	4.8	33.74	7.8	25.7	0.29
F26	05 Nov 2019	92	11.70	87.61	4.8	33.74	7.8	25.7	0.29
F26	05 Nov 2019	93	11.68	87.35	4.8	33.75	7.8	25.7	0.29
F26	05 Nov 2019	94	11.66	86.96	4.8	33.75	7.8	25.7	0.29
F26	05 Nov 2019	95	11.64	86.70	4.7	33.75	7.8	25.7	0.28
F26	05 Nov 2019	96	11.63	86.57	4.7	33.76	7.8	25.7	0.28
F26	05 Nov 2019	97	11.60	86.64	4.7	33.76	7.8	25.7	0.27
F26	05 Nov 2019	98	11.59	86.71	4.7	33.76	7.8	25.7	0.27
F26	05 Nov 2019	99	11.60	86.71	4.7	33.76	7.8	25.7	0.27
F27	05 Nov 2019	1	17.65	80.37	8.7	33.62	8.2	24.3	0.84
F27	05 Nov 2019	2	17.63	80.55	8.6	33.63	8.2	24.3	0.86
F27	05 Nov 2019	3	17.56	80.33	8.7	33.63	8.2	24.3	0.94
F27	05 Nov 2019	4	17.54	80.23	8.7	33.62	8.2	24.3	1.05
F27	05 Nov 2019	5	17.48	80.02	8.7	33.63	8.2	24.3	1.14
F27	05 Nov 2019	6	17.39	79.72	8.7	33.63	8.2	24.4	1.28
F27	05 Nov 2019	7	17.28	79.56	8.7	33.63	8.2	24.4	1.45
F27	05 Nov 2019	8	17.26	79.57	8.7	33.62	8.2	24.4	1.70
F27	05 Nov 2019	9	17.24	79.60	8.7	33.62	8.2	24.4	1.89
F27	05 Nov 2019	10	17.24	79.69	8.7	33.62	8.2	24.4	2.14
F27	05 Nov 2019	11	17.21	80.08	8.7	33.62	8.2	24.4	2.24
F27	05 Nov 2019	12	17.15	80.34	8.7	33.62	8.2	24.4	2.37
F27	05 Nov 2019	13	17.06	80.19	8.6	33.62	8.2	24.4	2.62
F27	05 Nov 2019	14	16.95	80.13	8.6	33.62	8.2	24.5	2.76
F27	05 Nov 2019	15	16.91	80.03	8.6	33.61	8.2	24.5	2.89
F27	05 Nov 2019	16	16.81	80.07	8.5	33.61	8.2	24.5	2.98
F27	05 Nov 2019	17	16.67	80.02	8.4	33.61	8.2	24.5	3.13
F27	05 Nov 2019	18	16.64	79.89	8.3	33.60	8.2	24.5	3.26
F27	05 Nov 2019	19	16.62	79.84	8.3	33.60	8.2	24.5	3.41
F27	05 Nov 2019	20	16.62	79.99	8.3	33.60	8.1	24.5	3.55
F27	05 Nov 2019	21	16.60	80.12	8.2	33.60	8.1	24.5	3.52
F27	05 Nov 2019	22	16.59	80.32	8.2	33.60	8.1	24.5	3.48
F27	05 Nov 2019	23	16.53	80.74	8.0	33.61	8.1	24.6	3.42
F27	05 Nov 2019	24	16.40	81.67	7.9	33.61	8.1	24.6	3.07
F27	05 Nov 2019	25	16.33	82.82	7.8	33.60	8.1	24.6	2.81
F27	05 Nov 2019	26	16.19	83.26	7.7	33.60	8.1	24.6	2.44
F27	05 Nov 2019	27	16.04	83.71	7.6	33.61	8.1	24.7	2.07
F27	05 Nov 2019	28	15.93	84.30	7.5	33.60	8.1	24.7	1.80
F27	05 Nov 2019	29	15.85	84.59	7.5	33.61	8.1	24.7	1.56
F27	05 Nov 2019	30	15.69	84.93	7.4	33.60	8.1	24.7	1.37
F27	05 Nov 2019	31	15.56	85.26	7.4	33.61	8.1	24.8	1.24
F27	05 Nov 2019	32	15.26	85.38	7.4	33.61	8.1	24.8	1.22
F27	05 Nov 2019	33	15.04	85.29	7.4	33.60	8.1	24.9	1.23
F27	05 Nov 2019	34	14.87	85.42	7.3	33.60	8.1	24.9	1.24
F27	05 Nov 2019	35	14.71	85.50	7.3	33.61	8.1	25.0	1.23
F27	05 Nov 2019	36	14.62	85.58	7.3	33.60	8.1	25.0	1.17
F27	05 Nov 2019	37	14.50	85.72	7.2	33.60	8.0	25.0	1.08
F27	05 Nov 2019	38	14.32	86.02	7.2	33.60	8.0	25.0	1.00
F27	05 Nov 2019	39	14.28	86.21	7.2	33.60	8.0	25.0	0.95
F27	05 Nov 2019	40	14.15	86.32	7.1	33.60	8.0	25.1	0.88
F27	05 Nov 2019	41	14.01	86.61	7.1	33.60	8.0	25.1	0.81
F27	05 Nov 2019	42	13.93	86.79	7.0	33.60	8.0	25.1	0.75
F27	05 Nov 2019	43	13.70	86.96	6.8	33.62	8.0	25.2	0.71
F27	05 Nov 2019	44	13.54	87.22	6.7	33.62	8.0	25.2	0.68
F27	05 Nov 2019	45	13.46	87.36	6.6	33.61	8.0	25.2	0.62
F27	05 Nov 2019	46	13.40	87.41	6.5	33.63	8.0	25.3	0.64
F27	05 Nov 2019	47	13.34	87.42	6.3	33.65	8.0	25.3	0.65
F27	05 Nov 2019	48	13.29	87.46	6.2	33.65	8.0	25.3	0.56
F27	05 Nov 2019	49	13.28	87.45	6.2	33.66	8.0	25.3	0.55
F27	05 Nov 2019	50	13.26	87.48	6.1	33.66	8.0	25.3	0.54
F27	05 Nov 2019	51	13.24	87.53	6.1	33.66	8.0	25.3	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	05 Nov 2019	52	13.19	87.59	6.0	33.67	7.9	25.3	0.53
F27	05 Nov 2019	53	12.99	87.55	5.9	33.68	7.9	25.4	0.50
F27	05 Nov 2019	54	12.89	87.57	5.8	33.68	7.9	25.4	0.50
F27	05 Nov 2019	55	12.84	87.56	5.7	33.68	7.9	25.4	0.50
F27	05 Nov 2019	56	12.81	87.58	5.7	33.68	7.9	25.4	0.46
F27	05 Nov 2019	57	12.77	87.57	5.6	33.69	7.9	25.4	0.46
F27	05 Nov 2019	58	12.74	87.53	5.6	33.69	7.9	25.4	0.44
F27	05 Nov 2019	59	12.72	87.53	5.6	33.69	7.9	25.4	0.43
F27	05 Nov 2019	60	12.68	87.57	5.5	33.69	7.9	25.4	0.43
F27	05 Nov 2019	61	12.67	87.53	5.5	33.69	7.9	25.4	0.43
F27	05 Nov 2019	62	12.65	87.57	5.5	33.69	7.9	25.4	0.41
F27	05 Nov 2019	63	12.64	87.56	5.5	33.69	7.9	25.4	0.41
F27	05 Nov 2019	64	12.64	87.54	5.5	33.69	7.9	25.4	0.40
F27	05 Nov 2019	65	12.64	87.69	5.5	33.69	7.9	25.4	0.40
F27	05 Nov 2019	66	12.61	87.49	5.5	33.69	7.9	25.5	0.40
F27	05 Nov 2019	67	12.60	87.51	5.5	33.69	7.9	25.5	0.39
F27	05 Nov 2019	68	12.53	87.47	5.5	33.69	7.9	25.5	0.39
F27	05 Nov 2019	69	12.50	87.43	5.5	33.68	7.9	25.5	0.37
F27	05 Nov 2019	70	12.50	87.39	5.5	33.68	7.9	25.5	0.36
F27	05 Nov 2019	71	12.48	87.41	5.5	33.67	7.9	25.5	0.37
F27	05 Nov 2019	72	12.45	87.42	5.5	33.67	7.9	25.5	0.36
F27	05 Nov 2019	73	12.47	87.33	5.5	33.67	7.9	25.5	0.36
F27	05 Nov 2019	74	12.48	87.41	5.4	33.68	7.9	25.5	0.37
F27	05 Nov 2019	75	12.49	87.46	5.4	33.69	7.9	25.5	0.36
F27	05 Nov 2019	76	12.46	87.39	5.3	33.70	7.9	25.5	0.37
F27	05 Nov 2019	77	12.37	87.41	5.3	33.71	7.9	25.5	0.36
F27	05 Nov 2019	78	12.28	87.41	5.3	33.71	7.9	25.5	0.35
F27	05 Nov 2019	79	12.23	87.45	5.2	33.71	7.9	25.5	0.34
F27	05 Nov 2019	80	12.18	87.46	5.2	33.71	7.9	25.6	0.33
F27	05 Nov 2019	81	12.08	87.48	5.2	33.72	7.9	25.6	0.33
F27	05 Nov 2019	82	12.04	87.46	5.2	33.71	7.9	25.6	0.32
F27	05 Nov 2019	83	11.97	87.50	5.2	33.71	7.9	25.6	0.31
F27	05 Nov 2019	84	11.94	87.64	5.1	33.72	7.9	25.6	0.31
F27	05 Nov 2019	85	11.87	87.58	5.1	33.72	7.8	25.6	0.31
F27	05 Nov 2019	86	11.85	87.52	5.1	33.72	7.8	25.6	0.31
F27	05 Nov 2019	87	11.83	87.48	5.0	33.73	7.8	25.6	0.29
F27	05 Nov 2019	88	11.80	87.45	5.0	33.73	7.8	25.6	0.29
F27	05 Nov 2019	89	11.77	87.31	4.9	33.74	7.8	25.7	0.29
F27	05 Nov 2019	90	11.73	87.00	4.9	33.74	7.8	25.7	0.29
F27	05 Nov 2019	91	11.72	86.77	4.8	33.74	7.8	25.7	0.28
F27	05 Nov 2019	92	11.71	86.70	4.8	33.75	7.8	25.7	0.29
F27	05 Nov 2019	93	11.71	86.61	4.8	33.75	7.8	25.7	0.28
F27	05 Nov 2019	94	11.71	86.56	4.8	33.75	7.8	25.7	0.28
F27	05 Nov 2019	95	11.71	86.58	4.8	33.75	7.8	25.7	0.28
F27	05 Nov 2019	96	11.70	86.59	4.8	33.75	7.8	25.7	0.28
F27	05 Nov 2019	97	11.70	86.57	4.7	33.75	7.8	25.7	0.28
F27	05 Nov 2019	98	11.70	86.52	4.7	33.75	7.8	25.7	0.28
F27	05 Nov 2019	99	11.70	86.56	4.8	33.75	7.8	25.7	0.28
F27	05 Nov 2019	100	11.71	86.37	4.7	33.75	7.8	25.7	0.28
F28	05 Nov 2019	1	17.99	82.50	8.5	33.63	8.2	24.2	0.62
F28	05 Nov 2019	2	17.97	82.56	8.5	33.63	8.2	24.2	0.62
F28	05 Nov 2019	3	17.92	82.47	8.5	33.63	8.2	24.2	0.68
F28	05 Nov 2019	4	17.76	82.22	8.5	33.63	8.2	24.3	0.76
F28	05 Nov 2019	5	17.68	82.10	8.5	33.63	8.2	24.3	0.84
F28	05 Nov 2019	6	17.57	81.71	8.6	33.63	8.2	24.3	0.98
F28	05 Nov 2019	7	17.51	81.15	8.6	33.62	8.2	24.3	1.16
F28	05 Nov 2019	8	17.49	81.08	8.6	33.62	8.2	24.3	1.30
F28	05 Nov 2019	9	17.48	81.09	8.6	33.62	8.2	24.3	1.42
F28	05 Nov 2019	10	17.47	81.03	8.6	33.62	8.2	24.3	1.56
F28	05 Nov 2019	11	17.46	81.13	8.6	33.62	8.2	24.4	1.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	05 Nov 2019	12	17.45	80.99	8.7	33.62	8.2	24.4	1.67
F28	05 Nov 2019	13	17.45	80.95	8.6	33.62	8.2	24.4	1.75
F28	05 Nov 2019	14	17.45	81.01	8.6	33.62	8.2	24.4	1.71
F28	05 Nov 2019	15	17.45	81.04	8.6	33.62	8.2	24.4	1.77
F28	05 Nov 2019	16	17.42	80.93	8.6	33.62	8.2	24.4	2.01
F28	05 Nov 2019	17	17.42	80.87	8.6	33.62	8.2	24.4	2.18
F28	05 Nov 2019	18	17.40	80.78	8.6	33.62	8.2	24.4	2.25
F28	05 Nov 2019	19	17.40	80.72	8.6	33.62	8.2	24.4	2.43
F28	05 Nov 2019	20	17.39	80.65	8.6	33.62	8.2	24.4	2.54
F28	05 Nov 2019	21	17.38	80.59	8.6	33.62	8.2	24.4	2.62
F28	05 Nov 2019	22	17.34	80.59	8.6	33.63	8.2	24.4	2.71
F28	05 Nov 2019	23	17.08	80.54	8.6	33.63	8.2	24.4	2.85
F28	05 Nov 2019	24	16.93	80.65	8.5	33.62	8.2	24.5	2.92
F28	05 Nov 2019	25	16.86	80.77	8.4	33.61	8.2	24.5	2.94
F28	05 Nov 2019	26	16.67	80.80	8.3	33.61	8.2	24.5	3.00
F28	05 Nov 2019	27	16.64	80.87	8.2	33.61	8.2	24.5	2.98
F28	05 Nov 2019	28	16.55	80.81	8.0	33.61	8.1	24.6	3.20
F28	05 Nov 2019	29	16.51	80.92	7.9	33.61	8.1	24.6	3.23
F28	05 Nov 2019	30	16.37	81.99	7.7	33.61	8.1	24.6	2.89
F28	05 Nov 2019	31	16.31	82.91	7.7	33.61	8.1	24.6	2.43
F28	05 Nov 2019	32	16.22	83.41	7.6	33.61	8.1	24.6	2.09
F28	05 Nov 2019	33	16.02	84.07	7.5	33.61	8.1	24.7	1.77
F28	05 Nov 2019	34	15.84	84.79	7.5	33.60	8.1	24.7	1.44
F28	05 Nov 2019	35	15.49	84.74	7.4	33.61	8.1	24.8	1.44
F28	05 Nov 2019	36	15.16	84.54	7.5	33.60	8.1	24.9	1.47
F28	05 Nov 2019	37	14.78	84.87	7.6	33.58	8.1	24.9	1.45
F28	05 Nov 2019	38	14.58	85.39	7.5	33.56	8.1	25.0	1.30
F28	05 Nov 2019	39	14.53	85.53	7.5	33.56	8.1	25.0	1.26
F28	05 Nov 2019	40	14.46	85.53	7.4	33.56	8.1	25.0	1.21
F28	05 Nov 2019	41	14.29	85.62	7.3	33.57	8.0	25.0	1.17
F28	05 Nov 2019	42	14.16	85.86	7.2	33.56	8.0	25.0	1.13
F28	05 Nov 2019	43	14.14	85.91	7.3	33.56	8.0	25.0	1.09
F28	05 Nov 2019	44	14.13	85.97	7.3	33.56	8.0	25.0	1.08
F28	05 Nov 2019	45	14.11	86.11	7.2	33.58	8.0	25.1	1.07
F28	05 Nov 2019	46	14.08	86.18	7.2	33.59	8.0	25.1	1.01
F28	05 Nov 2019	47	13.97	86.45	7.0	33.60	8.0	25.1	0.92
F28	05 Nov 2019	48	13.92	86.74	6.9	33.62	8.0	25.1	0.85
F28	05 Nov 2019	49	13.79	87.01	6.8	33.63	8.0	25.2	0.76
F28	05 Nov 2019	50	13.77	86.99	6.8	33.63	8.0	25.2	0.71
F28	05 Nov 2019	51	13.75	86.98	6.7	33.63	8.0	25.2	0.69
F28	05 Nov 2019	52	13.71	87.02	6.6	33.64	8.0	25.2	0.68
F28	05 Nov 2019	53	13.61	87.01	6.6	33.64	8.0	25.2	0.66
F28	05 Nov 2019	54	13.54	87.27	6.5	33.64	8.0	25.2	0.62
F28	05 Nov 2019	55	13.47	87.31	6.4	33.65	8.0	25.2	0.62
F28	05 Nov 2019	56	13.32	87.42	6.3	33.65	8.0	25.3	0.60
F28	05 Nov 2019	57	13.26	87.52	6.3	33.64	8.0	25.3	0.56
F28	05 Nov 2019	58	13.21	87.56	6.2	33.66	8.0	25.3	0.55
F28	05 Nov 2019	59	13.08	87.61	6.0	33.67	7.9	25.3	0.52
F28	05 Nov 2019	60	12.94	87.67	5.8	33.68	7.9	25.4	0.49
F28	05 Nov 2019	61	12.78	87.71	5.7	33.68	7.9	25.4	0.45
F28	05 Nov 2019	62	12.72	87.61	5.6	33.69	7.9	25.4	0.45
F28	05 Nov 2019	63	12.72	87.61	5.6	33.69	7.9	25.4	0.43
F28	05 Nov 2019	64	12.69	87.61	5.6	33.69	7.9	25.4	0.43
F28	05 Nov 2019	65	12.68	87.55	5.5	33.69	7.9	25.4	0.43
F28	05 Nov 2019	66	12.64	87.58	5.5	33.69	7.9	25.5	0.42
F28	05 Nov 2019	67	12.62	87.59	5.5	33.69	7.9	25.5	0.41
F28	05 Nov 2019	68	12.57	87.58	5.4	33.70	7.9	25.5	0.41
F28	05 Nov 2019	69	12.55	87.55	5.4	33.69	7.9	25.5	0.40
F28	05 Nov 2019	70	12.53	87.58	5.4	33.69	7.9	25.5	0.38
F28	05 Nov 2019	71	12.51	87.63	5.4	33.69	7.9	25.5	0.38
F28	05 Nov 2019	72	12.51	87.63	5.4	33.69	7.9	25.5	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F28	05 Nov 2019	73	12.49	87.58	5.4	33.69	7.9	25.5	0.37
F28	05 Nov 2019	74	12.48	87.51	5.4	33.69	7.9	25.5	0.38
F28	05 Nov 2019	75	12.47	87.49	5.4	33.69	7.9	25.5	0.37
F28	05 Nov 2019	76	12.45	87.48	5.4	33.69	7.9	25.5	0.36
F28	05 Nov 2019	77	12.43	87.49	5.5	33.68	7.9	25.5	0.36
F28	05 Nov 2019	78	12.41	87.47	5.5	33.68	7.9	25.5	0.36
F28	05 Nov 2019	79	12.42	87.48	5.4	33.69	7.9	25.5	0.38
F28	05 Nov 2019	80	12.34	87.55	5.3	33.70	7.9	25.5	0.36
F28	05 Nov 2019	81	12.29	87.46	5.3	33.70	7.9	25.5	0.35
F28	05 Nov 2019	82	12.21	87.50	5.2	33.71	7.9	25.6	0.35
F28	05 Nov 2019	83	12.19	87.50	5.1	33.72	7.9	25.6	0.34
F28	05 Nov 2019	84	12.06	87.49	5.1	33.72	7.8	25.6	0.33
F28	05 Nov 2019	85	12.02	87.57	5.1	33.72	7.8	25.6	0.32
F28	05 Nov 2019	86	12.00	87.59	5.1	33.72	7.8	25.6	0.32
F28	05 Nov 2019	87	11.99	87.56	5.1	33.72	7.8	25.6	0.31
F28	05 Nov 2019	88	11.98	87.40	5.1	33.72	7.8	25.6	0.31
F28	05 Nov 2019	89	11.98	87.42	5.1	33.72	7.8	25.6	0.31
F28	05 Nov 2019	90	11.96	87.35	5.0	33.72	7.8	25.6	0.30
F28	05 Nov 2019	91	11.95	87.17	5.0	33.72	7.8	25.6	0.31
F28	05 Nov 2019	92	11.92	87.00	5.0	33.73	7.8	25.6	0.30
F28	05 Nov 2019	93	11.90	86.81	5.0	33.73	7.8	25.6	0.30
F28	05 Nov 2019	94	11.89	86.75	4.9	33.73	7.8	25.6	0.30
F28	05 Nov 2019	95	11.89	86.67	4.9	33.73	7.8	25.6	0.30
F28	05 Nov 2019	96	11.88	86.65	4.9	33.73	7.8	25.6	0.31
F28	05 Nov 2019	97	11.88	85.64	4.9	33.73	7.8	25.6	0.30
F28	05 Nov 2019	98	11.88	86.48	4.9	33.73	7.8	25.6	0.30
F28	05 Nov 2019	99	11.87	86.42	4.9	33.73	7.8	25.6	0.30
F28	05 Nov 2019	100	11.87	86.40	4.9	33.73	7.8	25.6	0.30
F29	05 Nov 2019	1	18.08	82.51	8.4	33.63	8.2	24.2	0.51
F29	05 Nov 2019	2	18.05	82.57	8.3	33.64	8.2	24.2	0.51
F29	05 Nov 2019	3	17.88	82.67	8.4	33.64	8.2	24.3	0.55
F29	05 Nov 2019	4	17.87	82.36	8.4	33.63	8.2	24.3	0.64
F29	05 Nov 2019	5	17.85	82.32	8.4	33.63	8.2	24.3	0.71
F29	05 Nov 2019	6	17.84	82.10	8.4	33.63	8.2	24.3	0.84
F29	05 Nov 2019	7	17.82	81.86	8.4	33.63	8.2	24.3	1.00
F29	05 Nov 2019	8	17.76	81.61	8.5	33.63	8.2	24.3	1.20
F29	05 Nov 2019	9	17.71	81.33	8.5	33.63	8.2	24.3	1.46
F29	05 Nov 2019	10	17.64	81.14	8.5	33.64	8.2	24.3	1.70
F29	05 Nov 2019	11	17.45	81.20	8.5	33.64	8.2	24.4	1.97
F29	05 Nov 2019	12	17.18	80.78	8.5	33.63	8.2	24.4	2.18
F29	05 Nov 2019	13	17.09	80.30	8.5	33.61	8.2	24.4	2.48
F29	05 Nov 2019	14	17.05	80.28	8.5	33.61	8.2	24.4	2.72
F29	05 Nov 2019	15	16.98	80.48	8.5	33.60	8.2	24.4	2.80
F29	05 Nov 2019	16	16.94	80.45	8.5	33.60	8.2	24.5	2.89
F29	05 Nov 2019	17	16.91	80.40	8.4	33.60	8.2	24.5	2.98
F29	05 Nov 2019	18	16.79	80.37	8.3	33.60	8.2	24.5	3.02
F29	05 Nov 2019	19	16.64	80.30	8.3	33.60	8.2	24.5	3.03
F29	05 Nov 2019	20	16.62	80.68	8.2	33.59	8.2	24.5	3.11
F29	05 Nov 2019	21	16.51	80.91	8.1	33.60	8.1	24.6	3.19
F29	05 Nov 2019	22	16.37	80.89	8.1	33.60	8.1	24.6	3.18
F29	05 Nov 2019	23	16.36	81.39	8.1	33.59	8.1	24.6	3.13
F29	05 Nov 2019	24	16.29	81.81	8.0	33.59	8.1	24.6	2.99
F29	05 Nov 2019	25	16.24	82.19	8.0	33.59	8.1	24.6	2.77
F29	05 Nov 2019	26	16.22	82.47	7.9	33.59	8.1	24.6	2.67
F29	05 Nov 2019	27	16.20	82.38	7.9	33.59	8.1	24.6	2.67
F29	05 Nov 2019	28	16.15	82.41	7.9	33.59	8.1	24.6	2.68
F29	05 Nov 2019	29	16.08	82.61	7.9	33.58	8.1	24.6	2.56
F29	05 Nov 2019	30	15.97	82.81	7.9	33.58	8.1	24.7	2.44
F29	05 Nov 2019	31	15.81	83.13	7.9	33.58	8.1	24.7	2.22
F29	05 Nov 2019	32	15.77	83.48	7.9	33.57	8.1	24.7	2.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	05 Nov 2019	33	15.68	83.73	7.8	33.57	8.1	24.7	1.97
F29	05 Nov 2019	34	15.48	84.02	7.8	33.57	8.1	24.8	1.80
F29	05 Nov 2019	35	15.44	84.08	7.8	33.56	8.1	24.8	1.72
F29	05 Nov 2019	36	15.39	84.13	7.8	33.56	8.1	24.8	1.65
F29	05 Nov 2019	37	15.26	84.14	7.8	33.56	8.1	24.8	1.58
F29	05 Nov 2019	38	15.08	84.41	7.8	33.57	8.1	24.9	1.49
F29	05 Nov 2019	39	14.99	84.73	7.7	33.56	8.1	24.9	1.46
F29	05 Nov 2019	40	14.72	84.84	7.4	33.60	8.1	25.0	1.42
F29	05 Nov 2019	41	14.33	85.66	7.2	33.59	8.0	25.0	1.21
F29	05 Nov 2019	42	14.11	86.12	7.1	33.62	8.0	25.1	1.01
F29	05 Nov 2019	43	14.03	86.36	7.0	33.61	8.0	25.1	0.90
F29	05 Nov 2019	44	13.98	86.51	6.9	33.62	8.0	25.1	0.82
F29	05 Nov 2019	45	13.88	86.72	6.9	33.62	8.0	25.1	0.79
F29	05 Nov 2019	46	13.82	86.99	6.8	33.63	8.0	25.2	0.72
F29	05 Nov 2019	47	13.70	87.12	6.7	33.63	8.0	25.2	0.67
F29	05 Nov 2019	48	13.66	87.21	6.6	33.64	8.0	25.2	0.65
F29	05 Nov 2019	49	13.55	87.19	6.5	33.64	8.0	25.2	0.66
F29	05 Nov 2019	50	13.43	87.15	6.3	33.66	8.0	25.3	0.62
F29	05 Nov 2019	51	13.31	87.29	6.2	33.66	8.0	25.3	0.59
F29	05 Nov 2019	52	13.30	87.30	6.2	33.66	8.0	25.3	0.57
F29	05 Nov 2019	53	13.26	87.34	6.2	33.66	8.0	25.3	0.57
F29	05 Nov 2019	54	13.25	87.35	6.1	33.66	8.0	25.3	0.56
F29	05 Nov 2019	55	13.20	87.46	6.1	33.67	8.0	25.3	0.54
F29	05 Nov 2019	56	12.93	87.57	5.9	33.69	7.9	25.4	0.49
F29	05 Nov 2019	57	12.78	87.55	5.7	33.69	7.9	25.4	0.45
F29	05 Nov 2019	58	12.75	87.58	5.6	33.69	7.9	25.4	0.44
F29	05 Nov 2019	59	12.70	87.71	5.6	33.69	7.9	25.4	0.43
F29	05 Nov 2019	60	12.62	87.67	5.5	33.70	7.9	25.5	0.42
F29	05 Nov 2019	61	12.51	87.49	5.4	33.70	7.9	25.5	0.38
F29	05 Nov 2019	62	12.48	87.44	5.4	33.69	7.9	25.5	0.38
F29	05 Nov 2019	63	12.46	87.43	5.4	33.69	7.9	25.5	0.37
F29	05 Nov 2019	64	12.45	87.45	5.5	33.69	7.9	25.5	0.36
F29	05 Nov 2019	65	12.45	87.44	5.5	33.69	7.9	25.5	0.37
F29	05 Nov 2019	66	12.43	87.41	5.4	33.69	7.9	25.5	0.36
F29	05 Nov 2019	67	12.42	87.46	5.5	33.69	7.9	25.5	0.36
F29	05 Nov 2019	68	12.42	87.47	5.4	33.69	7.9	25.5	0.36
F29	05 Nov 2019	69	12.41	87.47	5.4	33.69	7.9	25.5	0.36
F29	05 Nov 2019	70	12.39	87.58	5.5	33.68	7.9	25.5	0.35
F29	05 Nov 2019	71	12.39	87.52	5.5	33.68	7.9	25.5	0.35
F29	05 Nov 2019	72	12.38	87.45	5.5	33.68	7.9	25.5	0.35
F29	05 Nov 2019	73	12.37	87.42	5.4	33.68	7.9	25.5	0.35
F29	05 Nov 2019	74	12.37	87.43	5.4	33.68	7.9	25.5	0.35
F29	05 Nov 2019	75	12.37	87.43	5.4	33.69	7.9	25.5	0.35
F29	05 Nov 2019	76	12.30	87.41	5.4	33.69	7.9	25.5	0.35
F29	05 Nov 2019	77	12.27	87.46	5.4	33.69	7.9	25.5	0.35
F29	05 Nov 2019	78	12.26	87.48	5.3	33.70	7.9	25.5	0.34
F29	05 Nov 2019	79	12.04	87.56	5.1	33.73	7.9	25.6	0.33
F29	05 Nov 2019	80	12.00	87.59	5.0	33.73	7.8	25.6	0.32
F29	05 Nov 2019	81	11.98	87.39	5.0	33.73	7.8	25.6	0.31
F29	05 Nov 2019	82	11.96	87.33	5.0	33.73	7.8	25.6	0.31
F29	05 Nov 2019	83	11.94	87.24	5.0	33.73	7.8	25.6	0.31
F29	05 Nov 2019	84	11.92	87.20	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	85	11.92	86.95	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	86	11.89	86.94	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	87	11.89	86.89	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	88	11.89	86.77	5.0	33.73	7.8	25.6	0.29
F29	05 Nov 2019	89	11.89	86.69	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	90	11.89	86.86	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	91	11.89	86.75	4.9	33.73	7.8	25.6	0.29
F29	05 Nov 2019	92	11.89	86.69	4.9	33.73	7.8	25.6	0.30
F29	05 Nov 2019	93	11.89	86.63	4.9	33.73	7.8	25.6	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	05 Nov 2019	94	11.89	86.56	5.0	33.73	7.8	25.6	0.30
F29	05 Nov 2019	95	11.89	86.53	4.9	33.73	7.8	25.6	0.30
F29	05 Nov 2019	96	11.89	86.51	4.9	33.73	7.8	25.6	0.30
F29	05 Nov 2019	97	11.89	86.45	4.9	33.73	7.8	25.6	0.31
F29	05 Nov 2019	98	11.90	86.19	4.9	33.73	7.8	25.6	0.30
F29	05 Nov 2019	99	11.90	86.44	4.9	33.73	7.8	25.6	0.30
F30	05 Nov 2019	1	18.67	85.20	8.1	33.66	8.2	24.1	0.41
F30	05 Nov 2019	2	18.65	85.37	8.1	33.66	8.2	24.1	0.42
F30	05 Nov 2019	3	18.58	85.10	8.1	33.66	8.2	24.1	0.45
F30	05 Nov 2019	4	18.54	84.80	8.1	33.65	8.2	24.1	0.49
F30	05 Nov 2019	5	18.52	84.73	8.1	33.65	8.2	24.1	0.54
F30	05 Nov 2019	6	18.46	84.26	8.1	33.66	8.2	24.1	0.57
F30	05 Nov 2019	7	18.20	83.28	8.2	33.66	8.2	24.2	0.74
F30	05 Nov 2019	8	18.08	82.07	8.3	33.64	8.2	24.2	1.07
F30	05 Nov 2019	9	18.00	81.74	8.3	33.65	8.2	24.2	1.27
F30	05 Nov 2019	10	17.94	81.71	8.3	33.64	8.2	24.2	1.45
F30	05 Nov 2019	11	17.93	81.51	8.4	33.64	8.2	24.2	1.60
F30	05 Nov 2019	12	17.91	81.46	8.4	33.64	8.2	24.3	1.72
F30	05 Nov 2019	13	17.90	81.43	8.4	33.64	8.2	24.3	1.78
F30	05 Nov 2019	14	17.86	81.09	8.4	33.64	8.2	24.3	1.87
F30	05 Nov 2019	15	17.84	80.86	8.4	33.64	8.2	24.3	2.15
F30	05 Nov 2019	16	17.80	80.25	8.5	33.64	8.2	24.3	2.47
F30	05 Nov 2019	17	17.77	80.24	8.5	33.64	8.2	24.3	2.59
F30	05 Nov 2019	18	17.75	80.37	8.5	33.64	8.2	24.3	2.63
F30	05 Nov 2019	19	17.70	80.40	8.5	33.64	8.2	24.3	2.58
F30	05 Nov 2019	20	17.66	80.51	8.5	33.64	8.2	24.3	2.55
F30	05 Nov 2019	21	17.49	80.18	8.5	33.65	8.2	24.4	2.40
F30	05 Nov 2019	22	17.13	80.07	8.7	33.63	8.2	24.4	2.49
F30	05 Nov 2019	23	17.07	80.49	8.5	33.63	8.2	24.4	2.50
F30	05 Nov 2019	24	16.66	80.85	8.1	33.62	8.2	24.5	2.58
F30	05 Nov 2019	25	16.56	81.50	8.0	33.61	8.1	24.5	2.74
F30	05 Nov 2019	26	16.53	82.12	7.9	33.61	8.1	24.6	2.67
F30	05 Nov 2019	27	16.42	82.58	7.8	33.60	8.1	24.6	2.54
F30	05 Nov 2019	28	16.42	82.39	7.8	33.60	8.1	24.6	2.50
F30	05 Nov 2019	29	16.33	82.53	7.9	33.60	8.1	24.6	2.53
F30	05 Nov 2019	30	16.16	83.23	7.8	33.60	8.1	24.6	2.35
F30	05 Nov 2019	31	15.91	84.16	7.7	33.61	8.1	24.7	2.03
F30	05 Nov 2019	32	15.55	83.76	7.7	33.59	8.1	24.8	1.91
F30	05 Nov 2019	33	15.27	83.51	7.7	33.58	8.1	24.8	1.94
F30	05 Nov 2019	34	15.09	84.20	7.5	33.58	8.1	24.9	1.84
F30	05 Nov 2019	35	14.74	84.71	7.4	33.60	8.1	25.0	1.63
F30	05 Nov 2019	36	14.42	85.49	7.2	33.61	8.0	25.0	1.33
F30	05 Nov 2019	37	14.21	85.97	7.0	33.61	8.0	25.1	1.10
F30	05 Nov 2019	38	14.12	86.17	6.9	33.61	8.0	25.1	0.93
F30	05 Nov 2019	39	14.09	86.26	6.9	33.61	8.0	25.1	0.93
F30	05 Nov 2019	40	13.99	86.36	6.8	33.62	8.0	25.1	0.85
F30	05 Nov 2019	41	13.93	86.62	6.7	33.62	8.0	25.1	0.79
F30	05 Nov 2019	42	13.72	86.92	6.6	33.64	8.0	25.2	0.73
F30	05 Nov 2019	43	13.66	86.99	6.6	33.63	8.0	25.2	0.68
F30	05 Nov 2019	44	13.52	87.10	6.4	33.66	8.0	25.2	0.66
F30	05 Nov 2019	45	13.30	87.25	6.2	33.67	8.0	25.3	0.58
F30	05 Nov 2019	46	13.26	87.26	6.1	33.67	8.0	25.3	0.56
F30	05 Nov 2019	47	13.22	86.91	5.9	33.67	8.0	25.3	0.57
F30	05 Nov 2019	48	12.77	85.02	5.7	33.66	7.9	25.4	0.50
F30	05 Nov 2019	49	12.67	84.43	5.5	33.63	7.9	25.4	0.46
F30	05 Nov 2019	50	12.53	84.39	5.4	33.63	7.9	25.4	0.43
F30	05 Nov 2019	51	12.54	84.18	5.4	33.63	7.9	25.4	0.43
F30	05 Nov 2019	52	12.58	84.30	5.4	33.63	7.9	25.4	0.42
F30	05 Nov 2019	53	12.55	84.16	5.4	33.64	7.9	25.4	0.43
F30	05 Nov 2019	54	12.46	83.95	5.3	33.64	7.9	25.4	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	05 Nov 2019	55	12.39	83.91	5.3	33.63	7.9	25.5	0.39
F30	05 Nov 2019	56	12.37	83.95	5.2	33.63	7.9	25.5	0.38
F30	05 Nov 2019	57	12.35	83.98	5.2	33.63	7.9	25.5	0.38
F30	05 Nov 2019	58	12.32	83.82	5.2	33.63	7.9	25.5	0.38
F30	05 Nov 2019	59	12.30	83.60	5.2	33.63	7.9	25.5	0.37
F30	05 Nov 2019	60	12.30	83.87	5.2	33.63	7.9	25.5	0.38
F30	05 Nov 2019	61	12.32	84.01	5.2	33.63	7.9	25.5	0.37
F30	05 Nov 2019	62	12.31	83.92	5.2	33.64	7.9	25.5	0.37
F30	05 Nov 2019	63	12.31	83.98	5.2	33.64	7.9	25.5	0.36
F30	05 Nov 2019	64	12.26	83.83	5.1	33.63	7.9	25.5	0.36
F30	05 Nov 2019	65	12.25	83.68	5.1	33.63	7.9	25.5	0.36
F30	05 Nov 2019	66	12.23	83.33	5.1	33.63	7.8	25.5	0.35
F30	05 Nov 2019	67	12.21	83.31	5.1	33.63	7.8	25.5	0.35
F30	05 Nov 2019	68	12.22	83.43	5.1	33.63	7.8	25.5	0.35
F30	05 Nov 2019	69	12.21	83.43	5.1	33.63	7.8	25.5	0.35
F30	05 Nov 2019	70	12.20	83.41	5.0	33.63	7.8	25.5	0.35
F30	05 Nov 2019	71	12.19	83.39	5.0	33.63	7.8	25.5	0.34
F30	05 Nov 2019	72	12.18	83.36	5.0	33.63	7.8	25.5	0.34
F30	05 Nov 2019	73	12.18	83.34	5.0	33.63	7.8	25.5	0.34
F30	05 Nov 2019	74	12.16	83.46	5.0	33.64	7.8	25.5	0.34
F30	05 Nov 2019	75	12.15	83.77	5.0	33.64	7.8	25.5	0.34
F30	05 Nov 2019	76	12.17	84.15	5.1	33.65	7.8	25.5	0.34
F30	05 Nov 2019	77	12.24	86.16	5.1	33.68	7.8	25.5	0.36
F30	05 Nov 2019	78	12.28	86.61	5.2	33.69	7.9	25.5	0.38
F30	05 Nov 2019	79	12.30	87.00	5.2	33.70	7.9	25.5	0.37
F30	05 Nov 2019	80	12.29	87.42	5.2	33.71	7.9	25.5	0.36
F30	05 Nov 2019	81	12.22	87.57	5.2	33.72	7.9	25.6	0.36
F30	05 Nov 2019	82	12.10	87.45	5.1	33.72	7.8	25.6	0.35
F30	05 Nov 2019	83	12.04	87.35	5.1	33.72	7.8	25.6	0.34
F30	05 Nov 2019	84	12.02	87.29	5.0	33.72	7.8	25.6	0.33
F30	05 Nov 2019	85	12.00	87.19	5.0	33.73	7.8	25.6	0.33
F30	05 Nov 2019	86	11.98	87.07	5.0	33.73	7.8	25.6	0.36
F30	05 Nov 2019	87	11.98	86.94	5.0	33.73	7.8	25.6	0.32
F30	05 Nov 2019	88	11.96	86.90	5.0	33.73	7.8	25.6	0.32
F30	05 Nov 2019	89	11.96	86.84	4.9	33.73	7.8	25.6	0.33
F30	05 Nov 2019	90	11.94	86.57	4.9	33.73	7.8	25.6	0.31
F30	05 Nov 2019	91	11.92	86.56	4.9	33.73	7.8	25.6	0.32
F30	05 Nov 2019	92	11.89	86.23	4.8	33.73	7.8	25.6	0.31
F30	05 Nov 2019	93	11.89	85.98	4.8	33.73	7.8	25.6	0.30
F30	05 Nov 2019	94	11.88	85.94	4.8	33.73	7.8	25.6	0.30
F30	05 Nov 2019	95	11.87	85.82	4.8	33.73	7.8	25.6	0.30
F30	05 Nov 2019	96	11.86	85.67	4.8	33.73	7.8	25.6	0.31
F30	05 Nov 2019	97	11.82	85.07	4.7	33.74	7.8	25.6	0.30
F30	05 Nov 2019	98	11.75	84.12	4.7	33.74	7.8	25.7	0.30
F31	05 Nov 2019	1	19.09	86.89	7.8	33.66	8.2	24.0	0.28
F31	05 Nov 2019	2	19.07	86.94	7.8	33.66	8.2	24.0	0.26
F31	05 Nov 2019	3	18.97	86.91	7.8	33.66	8.2	24.0	0.27
F31	05 Nov 2019	4	18.95	86.71	7.8	33.66	8.2	24.0	0.28
F31	05 Nov 2019	5	18.94	86.68	7.8	33.66	8.2	24.0	0.28
F31	05 Nov 2019	6	18.94	86.59	7.8	33.66	8.2	24.0	0.29
F31	05 Nov 2019	7	18.93	86.51	7.8	33.66	8.2	24.0	0.30
F31	05 Nov 2019	8	18.89	86.04	7.9	33.66	8.2	24.0	0.37
F31	05 Nov 2019	9	18.84	85.80	7.9	33.66	8.2	24.0	0.39
F31	05 Nov 2019	10	18.54	85.66	8.0	33.64	8.2	24.1	0.45
F31	05 Nov 2019	11	18.28	85.66	8.1	33.58	8.2	24.1	0.49
F31	05 Nov 2019	12	17.88	85.51	8.2	33.60	8.2	24.2	0.54
F31	05 Nov 2019	13	17.27	84.84	8.5	33.56	8.2	24.3	0.67
F31	05 Nov 2019	14	17.13	82.55	8.6	33.59	8.2	24.4	0.91
F31	05 Nov 2019	15	17.08	81.95	8.6	33.60	8.2	24.4	1.17
F31	05 Nov 2019	16	17.05	81.59	8.6	33.60	8.2	24.4	1.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	05 Nov 2019	17	17.03	81.52	8.6	33.60	8.2	24.4	1.60
F31	05 Nov 2019	18	16.97	81.34	8.5	33.61	8.2	24.5	1.67
F31	05 Nov 2019	19	16.86	81.12	8.4	33.61	8.2	24.5	1.83
F31	05 Nov 2019	20	16.81	80.93	8.3	33.61	8.2	24.5	1.97
F31	05 Nov 2019	21	16.73	80.78	8.2	33.62	8.2	24.5	2.19
F31	05 Nov 2019	22	16.68	80.77	8.1	33.61	8.1	24.5	2.40
F31	05 Nov 2019	23	16.64	80.84	8.0	33.61	8.1	24.5	2.50
F31	05 Nov 2019	24	16.58	80.93	7.9	33.62	8.1	24.6	2.63
F31	05 Nov 2019	25	16.47	81.93	7.8	33.61	8.1	24.6	2.57
F31	05 Nov 2019	26	16.43	82.47	7.7	33.61	8.1	24.6	2.44
F31	05 Nov 2019	27	16.39	82.63	7.7	33.61	8.1	24.6	2.42
F31	05 Nov 2019	28	16.37	82.83	7.7	33.61	8.1	24.6	2.40
F31	05 Nov 2019	29	16.35	83.95	7.6	33.61	8.1	24.6	2.11
F31	05 Nov 2019	30	16.20	84.88	7.6	33.62	8.1	24.6	1.65
F31	05 Nov 2019	31	16.12	85.15	7.5	33.61	8.1	24.6	1.21
F31	05 Nov 2019	32	16.07	85.27	7.4	33.61	8.1	24.7	1.05
F31	05 Nov 2019	33	15.91	85.38	7.4	33.61	8.1	24.7	0.90
F31	05 Nov 2019	34	15.82	85.54	7.2	33.62	8.1	24.7	0.78
F31	05 Nov 2019	35	15.41	85.75	7.2	33.62	8.1	24.8	0.64
F31	05 Nov 2019	36	15.22	85.94	7.1	33.60	8.1	24.8	0.56
F31	05 Nov 2019	37	15.13	86.03	7.0	33.60	8.1	24.9	0.55
F31	05 Nov 2019	38	14.86	86.34	7.0	33.60	8.0	24.9	0.54
F31	05 Nov 2019	39	14.55	86.60	7.0	33.59	8.0	25.0	0.51
F31	05 Nov 2019	40	14.49	86.42	7.0	33.58	8.0	25.0	0.54
F31	05 Nov 2019	41	14.36	86.20	7.0	33.58	8.0	25.0	0.70
F31	05 Nov 2019	42	14.27	85.99	7.0	33.59	8.0	25.0	0.83
F31	05 Nov 2019	43	14.07	86.15	6.9	33.61	8.0	25.1	0.89
F31	05 Nov 2019	44	13.99	86.52	6.8	33.61	8.0	25.1	0.81
F31	05 Nov 2019	45	13.92	86.42	6.8	33.62	8.0	25.1	0.77
F31	05 Nov 2019	46	13.85	86.66	6.7	33.62	8.0	25.1	0.72
F31	05 Nov 2019	47	13.82	86.78	6.6	33.62	8.0	25.2	0.68
F31	05 Nov 2019	48	13.64	86.96	6.4	33.65	8.0	25.2	0.64
F31	05 Nov 2019	49	13.47	87.08	6.2	33.66	8.0	25.3	0.59
F31	05 Nov 2019	50	13.33	87.17	6.1	33.68	8.0	25.3	0.57
F31	05 Nov 2019	51	13.27	87.20	6.0	33.67	7.9	25.3	0.54
F31	05 Nov 2019	52	13.25	87.22	6.0	33.68	7.9	25.3	0.54
F31	05 Nov 2019	53	13.21	87.20	5.9	33.68	7.9	25.3	0.54
F31	05 Nov 2019	54	13.16	87.25	5.9	33.68	7.9	25.3	0.52
F31	05 Nov 2019	55	13.08	87.22	5.8	33.69	7.9	25.4	0.60
F31	05 Nov 2019	56	13.00	87.31	5.7	33.69	7.9	25.4	0.48
F31	05 Nov 2019	57	12.96	87.32	5.7	33.69	7.9	25.4	0.47
F31	05 Nov 2019	58	12.94	87.35	5.6	33.69	7.9	25.4	0.45
F31	05 Nov 2019	59	12.90	87.34	5.6	33.69	7.9	25.4	0.45
F31	05 Nov 2019	60	12.87	87.35	5.6	33.69	7.9	25.4	0.44
F31	05 Nov 2019	61	12.84	87.47	5.5	33.70	7.9	25.4	0.44
F31	05 Nov 2019	62	12.81	87.51	5.5	33.70	7.9	25.4	0.44
F31	05 Nov 2019	63	12.69	87.38	5.4	33.70	7.9	25.4	0.43
F31	05 Nov 2019	64	12.64	87.35	5.4	33.70	7.9	25.5	0.41
F31	05 Nov 2019	65	12.63	87.38	5.4	33.70	7.9	25.5	0.41
F31	05 Nov 2019	66	12.59	87.39	5.3	33.70	7.9	25.5	0.39
F31	05 Nov 2019	67	12.55	87.40	5.3	33.70	7.9	25.5	0.38
F31	05 Nov 2019	68	12.53	87.40	5.3	33.71	7.9	25.5	0.39
F31	05 Nov 2019	69	12.48	87.42	5.3	33.71	7.9	25.5	0.37
F31	05 Nov 2019	70	12.37	87.43	5.2	33.72	7.9	25.5	0.36
F31	05 Nov 2019	71	12.31	87.44	5.2	33.72	7.9	25.5	0.35
F31	05 Nov 2019	72	12.20	87.16	5.1	33.72	7.9	25.6	0.33
F31	05 Nov 2019	73	12.17	86.87	5.1	33.71	7.9	25.6	0.33
F31	05 Nov 2019	74	12.15	86.75	5.1	33.71	7.8	25.6	0.32
F31	05 Nov 2019	75	12.13	86.63	5.0	33.71	7.8	25.6	0.31
F31	05 Nov 2019	76	12.12	86.62	5.0	33.70	7.8	25.6	0.31
F31	05 Nov 2019	77	12.11	86.57	5.0	33.70	7.8	25.6	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	05 Nov 2019	78	12.10	86.41	5.0	33.70	7.8	25.6	0.30
F31	05 Nov 2019	79	12.10	86.38	5.0	33.70	7.8	25.6	0.30
F31	05 Nov 2019	80	12.09	86.29	5.0	33.70	7.8	25.6	0.30
F31	05 Nov 2019	81	12.09	86.12	5.0	33.70	7.8	25.6	0.30
F31	05 Nov 2019	82	12.08	85.98	5.0	33.70	7.8	25.6	0.30
F31	05 Nov 2019	83	12.08	85.98	5.0	33.70	7.8	25.6	0.29
F31	05 Nov 2019	84	12.08	86.11	5.0	33.71	7.8	25.6	0.30
F31	05 Nov 2019	85	12.09	86.35	5.0	33.72	7.8	25.6	0.30
F31	05 Nov 2019	86	12.09	86.44	5.1	33.72	7.8	25.6	0.30
F31	05 Nov 2019	87	12.09	86.45	5.0	33.72	7.8	25.6	0.30
F31	05 Nov 2019	88	12.09	86.46	5.0	33.72	7.8	25.6	0.30
F31	05 Nov 2019	89	12.08	86.42	5.1	33.72	7.8	25.6	0.30
F31	05 Nov 2019	90	12.08	86.33	5.1	33.72	7.8	25.6	0.30
F31	05 Nov 2019	91	12.07	86.26	5.0	33.72	7.8	25.6	0.36
F31	05 Nov 2019	92	12.07	86.06	5.0	33.72	7.8	25.6	0.37
F31	05 Nov 2019	93	12.06	86.15	5.0	33.72	7.8	25.6	0.37
F31	05 Nov 2019	94	12.06	86.01	5.0	33.72	7.8	25.6	0.37
F31	05 Nov 2019	95	12.05	85.87	5.0	33.72	7.8	25.6	0.38
F31	05 Nov 2019	96	12.05	85.68	5.0	33.72	7.8	25.6	0.38
F31	05 Nov 2019	97	12.03	85.46	5.0	33.72	7.8	25.6	0.39
F31	05 Nov 2019	98	11.89	85.45	4.9	33.74	7.8	25.6	0.37
F31	05 Nov 2019	99	11.77	84.55	4.8	33.75	7.8	25.7	0.35
F32	05 Nov 2019	1	18.87	84.46	8.0	33.67	8.2	24.0	0.31
F32	05 Nov 2019	2	18.82	85.73	8.0	33.66	8.2	24.0	0.33
F32	05 Nov 2019	3	18.77	85.73	8.0	33.66	8.2	24.1	0.34
F32	05 Nov 2019	4	18.76	85.63	8.0	33.66	8.2	24.1	0.36
F32	05 Nov 2019	5	18.75	85.61	8.0	33.66	8.2	24.1	0.38
F32	05 Nov 2019	6	18.68	85.49	8.1	33.66	8.2	24.1	0.40
F32	05 Nov 2019	7	18.58	84.80	8.2	33.65	8.2	24.1	0.47
F32	05 Nov 2019	8	18.51	84.36	8.3	33.65	8.2	24.1	0.55
F32	05 Nov 2019	9	18.37	84.15	8.3	33.63	8.2	24.1	0.62
F32	05 Nov 2019	10	18.33	84.22	8.3	33.63	8.2	24.1	0.66
F32	05 Nov 2019	11	18.26	84.24	8.4	33.62	8.2	24.2	0.71
F32	05 Nov 2019	12	18.17	84.48	8.4	33.61	8.2	24.2	0.71
F32	05 Nov 2019	13	18.11	84.62	8.4	33.60	8.2	24.2	0.74
F32	05 Nov 2019	14	18.06	84.51	8.3	33.60	8.2	24.2	0.80
F32	05 Nov 2019	15	17.78	84.67	8.3	33.59	8.2	24.2	0.84
F32	05 Nov 2019	16	17.36	85.07	8.4	33.53	8.2	24.3	0.90
F32	05 Nov 2019	17	17.18	85.41	8.5	33.51	8.2	24.3	0.93
F32	05 Nov 2019	18	16.92	85.10	8.6	33.51	8.2	24.4	0.98
F32	05 Nov 2019	19	16.70	84.04	8.6	33.54	8.2	24.5	1.24
F32	05 Nov 2019	20	16.67	82.98	8.4	33.56	8.2	24.5	1.44
F32	05 Nov 2019	21	16.49	82.55	8.0	33.60	8.1	24.6	1.82
F32	05 Nov 2019	22	16.45	82.65	7.9	33.60	8.1	24.6	2.01
F32	05 Nov 2019	23	16.34	82.79	7.9	33.60	8.1	24.6	2.04
F32	05 Nov 2019	24	16.16	83.11	7.9	33.58	8.1	24.6	2.02
F32	05 Nov 2019	25	16.07	83.66	7.7	33.60	8.1	24.7	1.90
F32	05 Nov 2019	26	15.95	85.00	7.6	33.60	8.1	24.7	1.58
F32	05 Nov 2019	27	15.86	85.57	7.5	33.60	8.1	24.7	1.15
F32	05 Nov 2019	28	15.84	85.76	7.5	33.60	8.1	24.7	0.91
F32	05 Nov 2019	29	15.82	85.76	7.4	33.61	8.1	24.7	0.85
F32	05 Nov 2019	30	15.61	85.94	7.3	33.61	8.1	24.8	0.76
F32	05 Nov 2019	31	15.56	86.16	7.3	33.60	8.1	24.8	0.70
F32	05 Nov 2019	32	15.31	86.18	7.1	33.62	8.1	24.8	0.59
F32	05 Nov 2019	33	14.90	86.25	7.0	33.60	8.0	24.9	0.50
F32	05 Nov 2019	34	14.46	86.58	6.9	33.60	8.0	25.0	0.47
F32	05 Nov 2019	35	14.24	86.78	6.9	33.58	8.0	25.0	0.45
F32	05 Nov 2019	36	14.09	86.79	6.8	33.58	8.0	25.1	0.48
F32	05 Nov 2019	37	14.04	86.77	6.8	33.58	8.0	25.1	0.46
F32	05 Nov 2019	38	13.95	86.79	6.7	33.59	8.0	25.1	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	05 Nov 2019	39	13.87	86.68	6.7	33.59	8.0	25.1	0.49
F32	05 Nov 2019	40	13.80	86.79	6.7	33.61	8.0	25.2	0.55
F32	05 Nov 2019	41	13.65	86.87	6.6	33.62	8.0	25.2	0.57
F32	05 Nov 2019	42	13.64	86.95	6.5	33.62	8.0	25.2	0.57
F32	05 Nov 2019	43	13.56	86.92	6.4	33.64	8.0	25.2	0.55
F32	05 Nov 2019	44	13.55	87.00	6.3	33.64	8.0	25.2	0.54
F32	05 Nov 2019	45	13.48	87.09	6.3	33.65	8.0	25.3	0.54
F32	05 Nov 2019	46	13.45	87.19	6.2	33.66	8.0	25.3	0.54
F32	05 Nov 2019	47	13.41	87.32	6.1	33.66	8.0	25.3	0.55
F32	05 Nov 2019	48	13.22	87.06	6.0	33.67	8.0	25.3	0.50
F32	05 Nov 2019	49	13.15	87.10	5.9	33.67	7.9	25.3	0.47
F32	05 Nov 2019	50	13.11	87.21	5.8	33.68	7.9	25.3	0.46
F32	05 Nov 2019	51	12.96	87.05	5.8	33.66	7.9	25.4	0.45
F32	05 Nov 2019	52	12.90	86.98	5.8	33.66	7.9	25.4	0.46
F32	05 Nov 2019	53	12.87	86.97	5.7	33.66	7.9	25.4	0.42
F32	05 Nov 2019	54	12.84	86.99	5.7	33.66	7.9	25.4	0.40
F32	05 Nov 2019	55	12.83	86.78	5.7	33.66	7.9	25.4	0.41
F32	05 Nov 2019	56	12.84	87.16	5.7	33.67	7.9	25.4	0.42
F32	05 Nov 2019	57	12.80	87.30	5.7	33.67	7.9	25.4	0.41
F32	05 Nov 2019	58	12.77	87.34	5.7	33.67	7.9	25.4	0.39
F32	05 Nov 2019	59	12.72	87.42	5.6	33.67	7.9	25.4	0.40
F32	05 Nov 2019	60	12.70	87.33	5.6	33.68	7.9	25.4	0.40
F32	05 Nov 2019	61	12.68	87.29	5.6	33.68	7.9	25.4	0.38
F32	05 Nov 2019	62	12.67	87.33	5.6	33.68	7.9	25.4	0.39
F32	05 Nov 2019	63	12.62	87.36	5.6	33.68	7.9	25.4	0.37
F32	05 Nov 2019	64	12.62	87.52	5.5	33.68	7.9	25.4	0.37
F32	05 Nov 2019	65	12.60	87.43	5.5	33.69	7.9	25.5	0.38
F32	05 Nov 2019	66	12.58	87.43	5.5	33.69	7.9	25.5	0.37
F32	05 Nov 2019	67	12.53	87.26	5.4	33.69	7.9	25.5	0.37
F32	05 Nov 2019	68	12.50	87.36	5.4	33.70	7.9	25.5	0.37
F32	05 Nov 2019	69	12.46	87.39	5.3	33.70	7.9	25.5	0.35
F32	05 Nov 2019	70	12.33	86.60	5.2	33.68	7.9	25.5	0.33
F32	05 Nov 2019	71	12.14	85.29	5.0	33.64	7.8	25.5	0.30
F32	05 Nov 2019	72	12.02	83.78	4.9	33.62	7.8	25.5	0.28
F32	05 Nov 2019	73	11.95	83.52	4.8	33.62	7.8	25.5	0.26
F32	05 Nov 2019	74	11.93	83.70	4.8	33.62	7.8	25.5	0.28
F32	05 Nov 2019	75	11.94	84.02	4.8	33.63	7.8	25.5	0.26
F32	05 Nov 2019	76	11.99	85.09	4.9	33.66	7.8	25.6	0.27
F32	05 Nov 2019	77	12.04	85.75	5.0	33.68	7.8	25.6	0.28
F32	05 Nov 2019	78	12.06	86.19	5.0	33.70	7.8	25.6	0.29
F32	05 Nov 2019	79	12.06	86.55	5.0	33.72	7.8	25.6	0.29
F32	05 Nov 2019	80	11.99	86.57	5.0	33.73	7.8	25.6	0.29
F32	05 Nov 2019	81	11.95	86.38	4.9	33.73	7.8	25.6	0.29
F32	05 Nov 2019	82	11.94	86.31	4.9	33.73	7.8	25.6	0.28
F32	05 Nov 2019	83	11.91	86.38	4.9	33.73	7.8	25.6	0.28
F32	05 Nov 2019	84	11.91	86.47	4.9	33.73	7.8	25.6	0.27
F32	05 Nov 2019	85	11.91	86.41	4.9	33.73	7.8	25.6	0.27
F32	05 Nov 2019	86	11.90	86.51	4.8	33.73	7.8	25.6	0.28
F32	05 Nov 2019	87	11.89	86.50	4.8	33.74	7.8	25.6	0.31
F32	05 Nov 2019	88	11.87	86.70	4.8	33.74	7.8	25.6	0.34
F32	05 Nov 2019	89	11.86	86.75	4.8	33.74	7.8	25.6	0.34
F32	05 Nov 2019	90	11.85	86.76	4.8	33.74	7.8	25.6	0.36
F32	05 Nov 2019	91	11.85	86.61	4.8	33.74	7.8	25.6	0.37
F32	05 Nov 2019	92	11.84	86.62	4.8	33.74	7.8	25.6	0.38
F32	05 Nov 2019	93	11.83	86.57	4.8	33.74	7.8	25.6	0.37
F32	05 Nov 2019	94	11.83	86.54	4.8	33.74	7.8	25.6	0.38
F32	05 Nov 2019	95	11.83	86.52	4.8	33.74	7.8	25.6	0.39
F32	05 Nov 2019	96	11.83	86.64	4.8	33.74	7.8	25.6	0.39
F32	05 Nov 2019	97	11.83	86.57	4.8	33.74	7.8	25.6	0.38
F32	05 Nov 2019	98	11.83	86.42	4.8	33.74	7.8	25.6	0.39
F32	05 Nov 2019	99	11.83	86.32	4.8	33.74	7.8	25.6	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	05 Nov 2019	100	11.83	86.23	4.8	33.74	7.8	25.6	0.38
F32	05 Nov 2019	101	11.83	86.15	4.8	33.74	7.8	25.6	0.38
F33	05 Nov 2019	1	18.97	86.42	7.9	33.66	8.2	24.0	0.29
F33	05 Nov 2019	2	18.93	86.31	7.9	33.67	8.2	24.0	0.29
F33	05 Nov 2019	3	18.86	86.24	7.9	33.67	8.2	24.0	0.31
F33	05 Nov 2019	4	18.84	86.21	7.9	33.66	8.2	24.0	0.32
F33	05 Nov 2019	5	18.81	86.09	7.9	33.66	8.2	24.0	0.34
F33	05 Nov 2019	6	18.79	86.02	7.9	33.66	8.2	24.1	0.35
F33	05 Nov 2019	7	18.76	85.91	8.0	33.66	8.2	24.1	0.37
F33	05 Nov 2019	8	18.73	85.78	8.0	33.66	8.2	24.1	0.40
F33	05 Nov 2019	9	18.70	85.69	8.0	33.66	8.2	24.1	0.42
F33	05 Nov 2019	10	18.39	84.77	8.2	33.65	8.2	24.1	0.53
F33	05 Nov 2019	11	18.27	84.18	8.3	33.63	8.2	24.2	0.63
F33	05 Nov 2019	12	17.99	84.05	8.4	33.61	8.2	24.2	0.73
F33	05 Nov 2019	13	17.78	83.62	8.5	33.60	8.2	24.3	0.86
F33	05 Nov 2019	14	17.69	83.48	8.5	33.59	8.2	24.3	0.95
F33	05 Nov 2019	15	17.24	83.78	8.5	33.57	8.2	24.4	0.99
F33	05 Nov 2019	16	16.99	84.39	8.5	33.53	8.2	24.4	1.03
F33	05 Nov 2019	17	16.58	84.98	8.6	33.50	8.2	24.5	1.00
F33	05 Nov 2019	18	16.40	85.36	8.6	33.47	8.2	24.5	0.99
F33	05 Nov 2019	19	16.21	85.41	8.6	33.47	8.2	24.5	0.98
F33	05 Nov 2019	20	15.91	85.55	8.7	33.46	8.1	24.6	0.97
F33	05 Nov 2019	21	15.82	85.41	8.7	33.46	8.1	24.6	0.99
F33	05 Nov 2019	22	15.78	85.38	8.7	33.45	8.1	24.6	1.02
F33	05 Nov 2019	23	15.73	85.36	8.7	33.46	8.1	24.6	1.09
F33	05 Nov 2019	24	15.45	85.37	8.7	33.47	8.1	24.7	1.12
F33	05 Nov 2019	25	15.28	85.18	8.6	33.45	8.1	24.7	1.16
F33	05 Nov 2019	26	14.97	85.07	8.6	33.46	8.1	24.8	1.28
F33	05 Nov 2019	27	14.61	84.93	8.6	33.43	8.1	24.8	1.42
F33	05 Nov 2019	28	14.49	85.02	8.5	33.42	8.1	24.9	1.50
F33	05 Nov 2019	29	14.49	84.93	8.3	33.43	8.1	24.9	1.64
F33	05 Nov 2019	30	14.57	84.80	8.1	33.47	8.1	24.9	1.70
F33	05 Nov 2019	31	14.66	84.92	7.7	33.52	8.1	24.9	1.68
F33	05 Nov 2019	32	14.71	85.40	7.3	33.57	8.1	24.9	1.47
F33	05 Nov 2019	33	14.69	85.73	7.2	33.57	8.0	24.9	1.36
F33	05 Nov 2019	34	14.47	86.38	7.1	33.60	8.0	25.0	0.95
F33	05 Nov 2019	35	14.38	86.54	7.0	33.59	8.0	25.0	0.67
F33	05 Nov 2019	36	14.30	86.65	7.0	33.59	8.0	25.0	0.59
F33	05 Nov 2019	37	14.21	86.63	7.1	33.59	8.0	25.1	0.58
F33	05 Nov 2019	38	14.09	86.74	7.0	33.59	8.0	25.1	0.59
F33	05 Nov 2019	39	13.90	86.86	6.9	33.60	8.0	25.1	0.58
F33	05 Nov 2019	40	13.80	86.89	6.8	33.60	8.0	25.1	0.55
F33	05 Nov 2019	41	13.77	86.89	6.7	33.60	8.0	25.2	0.54
F33	05 Nov 2019	42	13.68	86.93	6.7	33.61	8.0	25.2	0.54
F33	05 Nov 2019	43	13.65	86.97	6.6	33.61	8.0	25.2	0.52
F33	05 Nov 2019	44	13.63	86.97	6.5	33.62	8.0	25.2	0.52
F33	05 Nov 2019	45	13.63	87.00	6.5	33.62	8.0	25.2	0.53
F33	05 Nov 2019	46	13.54	86.93	6.4	33.64	8.0	25.2	0.52
F33	05 Nov 2019	47	13.46	87.02	6.2	33.65	8.0	25.3	0.53
F33	05 Nov 2019	48	13.45	87.04	6.2	33.65	8.0	25.3	0.51
F33	05 Nov 2019	49	13.39	87.05	6.1	33.66	8.0	25.3	0.51
F33	05 Nov 2019	50	13.27	87.06	6.1	33.66	7.9	25.3	0.50
F33	05 Nov 2019	51	13.23	87.07	6.0	33.65	7.9	25.3	0.49
F33	05 Nov 2019	52	13.18	87.05	6.0	33.65	7.9	25.3	0.47
F33	05 Nov 2019	53	13.14	87.14	6.0	33.65	7.9	25.3	0.45
F33	05 Nov 2019	54	13.04	87.17	5.8	33.67	7.9	25.4	0.44
F33	05 Nov 2019	55	12.86	86.71	5.8	33.66	7.9	25.4	0.42
F33	05 Nov 2019	56	12.83	86.64	5.7	33.65	7.9	25.4	0.40
F33	05 Nov 2019	57	12.81	86.66	5.7	33.65	7.9	25.4	0.38
F33	05 Nov 2019	58	12.80	86.82	5.7	33.65	7.9	25.4	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	05 Nov 2019	59	12.78	86.89	5.7	33.65	7.9	25.4	0.38
F33	05 Nov 2019	60	12.76	87.05	5.8	33.65	7.9	25.4	0.39
F33	05 Nov 2019	61	12.71	87.18	5.8	33.65	7.9	25.4	0.37
F33	05 Nov 2019	62	12.68	87.09	5.7	33.65	7.9	25.4	0.37
F33	05 Nov 2019	63	12.60	87.03	5.6	33.66	7.9	25.4	0.40
F33	05 Nov 2019	64	12.55	86.95	5.6	33.66	7.9	25.4	0.36
F33	05 Nov 2019	65	12.46	87.02	5.6	33.66	7.9	25.5	0.32
F33	05 Nov 2019	66	12.43	86.84	5.5	33.66	7.9	25.5	0.33
F33	05 Nov 2019	67	12.39	87.00	5.3	33.69	7.9	25.5	0.38
F33	05 Nov 2019	68	12.34	87.06	5.2	33.70	7.9	25.5	0.41
F33	05 Nov 2019	69	12.24	86.72	5.2	33.69	7.9	25.5	0.42
F33	05 Nov 2019	70	12.22	86.48	5.1	33.69	7.9	25.5	0.41
F33	05 Nov 2019	71	12.21	86.45	5.1	33.69	7.8	25.5	0.41
F33	05 Nov 2019	72	12.20	86.43	5.1	33.69	7.8	25.5	0.43
F33	05 Nov 2019	73	12.18	86.51	5.1	33.69	7.8	25.5	0.44
F33	05 Nov 2019	74	12.15	86.42	5.1	33.69	7.9	25.5	0.45
F33	05 Nov 2019	75	12.09	86.31	5.1	33.70	7.8	25.6	0.45
F33	05 Nov 2019	76	12.06	86.20	5.1	33.70	7.8	25.6	0.44
F33	05 Nov 2019	77	12.05	86.09	5.1	33.70	7.8	25.6	0.44
F33	05 Nov 2019	78	12.04	85.98	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	79	12.04	86.08	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	80	12.04	86.05	5.1	33.70	7.8	25.6	0.44
F33	05 Nov 2019	81	12.04	86.00	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	82	12.03	85.91	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	83	12.02	85.92	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	84	12.02	85.88	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	85	12.01	85.81	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	86	12.01	85.82	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	87	12.01	85.78	5.1	33.70	7.8	25.6	0.43
F33	05 Nov 2019	88	12.00	85.70	5.1	33.71	7.8	25.6	0.42
F33	05 Nov 2019	89	11.99	85.72	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	90	11.99	85.82	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	91	11.98	85.66	5.1	33.71	7.8	25.6	0.43
F33	05 Nov 2019	92	11.97	85.56	5.0	33.71	7.8	25.6	0.42
F33	05 Nov 2019	93	11.93	85.53	5.0	33.72	7.8	25.6	0.43
F33	05 Nov 2019	94	11.90	85.27	5.0	33.71	7.8	25.6	0.42
F33	05 Nov 2019	95	11.89	85.10	5.0	33.71	7.8	25.6	0.41
F33	05 Nov 2019	96	11.87	85.10	5.0	33.72	7.8	25.6	0.41
F33	05 Nov 2019	97	11.87	85.17	5.0	33.72	7.8	25.6	0.41
F33	05 Nov 2019	98	11.85	85.14	4.9	33.72	7.8	25.6	0.41
F33	05 Nov 2019	99	11.83	85.31	4.9	33.72	7.8	25.6	0.41
F33	05 Nov 2019	100	11.79	85.45	4.9	33.73	7.8	25.6	0.40
F33	05 Nov 2019	101	11.73	85.59	4.9	33.73	7.8	25.7	0.40
F34	05 Nov 2019	1	18.79	84.97	8.1	33.66	8.2	24.0	0.37
F34	05 Nov 2019	2	18.75	85.00	8.1	33.66	8.2	24.1	0.37
F34	05 Nov 2019	3	18.67	84.76	8.1	33.66	8.2	24.1	0.38
F34	05 Nov 2019	4	18.66	84.54	8.1	33.66	8.2	24.1	0.42
F34	05 Nov 2019	5	18.65	84.45	8.1	33.66	8.2	24.1	0.46
F34	05 Nov 2019	6	18.65	84.42	8.2	33.66	8.2	24.1	0.50
F34	05 Nov 2019	7	18.64	84.40	8.2	33.66	8.2	24.1	0.52
F34	05 Nov 2019	8	18.63	84.36	8.2	33.66	8.2	24.1	0.55
F34	05 Nov 2019	9	18.63	84.36	8.2	33.66	8.2	24.1	0.59
F34	05 Nov 2019	10	18.62	84.31	8.2	33.66	8.2	24.1	0.63
F34	05 Nov 2019	11	18.61	84.38	8.2	33.66	8.2	24.1	0.67
F34	05 Nov 2019	12	18.60	84.39	8.2	33.66	8.2	24.1	0.68
F34	05 Nov 2019	13	18.55	84.11	8.2	33.66	8.2	24.1	0.78
F34	05 Nov 2019	14	18.35	83.30	8.3	33.66	8.2	24.2	0.94
F34	05 Nov 2019	15	18.09	83.29	8.4	33.63	8.2	24.2	1.10
F34	05 Nov 2019	16	17.94	83.48	8.4	33.62	8.2	24.2	1.18
F34	05 Nov 2019	17	17.76	83.48	8.4	33.60	8.2	24.3	1.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	05 Nov 2019	18	17.48	83.55	8.5	33.60	8.2	24.3	1.34
F34	05 Nov 2019	19	17.31	83.52	8.5	33.58	8.2	24.3	1.40
F34	05 Nov 2019	20	16.85	83.50	8.5	33.59	8.2	24.5	1.46
F34	05 Nov 2019	21	16.39	84.04	8.6	33.52	8.2	24.5	1.44
F34	05 Nov 2019	22	16.24	84.08	8.5	33.51	8.1	24.5	1.44
F34	05 Nov 2019	23	15.86	83.75	8.5	33.52	8.1	24.6	1.59
F34	05 Nov 2019	24	15.52	83.87	8.5	33.49	8.1	24.7	1.68
F34	05 Nov 2019	25	15.22	84.41	8.6	33.46	8.1	24.7	1.68
F34	05 Nov 2019	26	14.99	84.92	8.6	33.43	8.1	24.8	1.57
F34	05 Nov 2019	27	14.92	84.94	8.6	33.42	8.1	24.8	1.53
F34	05 Nov 2019	28	14.89	84.91	8.6	33.42	8.1	24.8	1.59
F34	05 Nov 2019	29	14.84	84.81	8.6	33.42	8.1	24.8	1.67
F34	05 Nov 2019	30	14.80	84.76	8.6	33.43	8.1	24.8	1.76
F34	05 Nov 2019	31	14.74	84.66	8.6	33.43	8.1	24.8	1.83
F34	05 Nov 2019	32	14.73	84.63	8.5	33.43	8.1	24.8	1.89
F34	05 Nov 2019	33	14.67	84.66	8.5	33.43	8.1	24.8	1.87
F34	05 Nov 2019	34	14.46	84.78	8.4	33.43	8.1	24.9	1.91
F34	05 Nov 2019	35	14.10	84.77	8.4	33.39	8.1	24.9	1.97
F34	05 Nov 2019	36	14.00	84.83	8.4	33.38	8.1	24.9	2.03
F34	05 Nov 2019	37	13.92	84.68	8.3	33.38	8.1	25.0	2.14
F34	05 Nov 2019	38	13.91	84.68	8.3	33.39	8.1	25.0	2.21
F34	05 Nov 2019	39	13.90	84.63	8.2	33.40	8.1	25.0	2.24
F34	05 Nov 2019	40	13.86	84.63	8.1	33.41	8.1	25.0	2.27
F34	05 Nov 2019	41	13.78	84.57	8.2	33.40	8.1	25.0	2.38
F34	05 Nov 2019	42	13.77	84.63	8.1	33.41	8.1	25.0	2.33
F34	05 Nov 2019	43	13.76	84.76	8.0	33.44	8.1	25.0	2.26
F34	05 Nov 2019	44	13.83	84.94	7.7	33.49	8.1	25.1	2.18
F34	05 Nov 2019	45	13.89	85.18	7.4	33.55	8.0	25.1	2.09
F34	05 Nov 2019	46	13.89	85.57	7.3	33.57	8.0	25.1	1.80
F34	05 Nov 2019	47	13.83	85.86	7.2	33.58	8.0	25.1	1.57
F34	05 Nov 2019	48	13.77	86.22	7.0	33.59	8.0	25.1	1.35
F34	05 Nov 2019	49	13.72	86.66	6.8	33.60	8.0	25.2	0.99
F34	05 Nov 2019	50	13.62	86.85	6.5	33.61	8.0	25.2	0.72
F34	05 Nov 2019	51	13.45	87.04	6.3	33.64	8.0	25.2	0.55
F34	05 Nov 2019	52	13.36	87.07	6.2	33.65	8.0	25.3	0.51
F34	05 Nov 2019	53	13.11	87.15	5.9	33.67	7.9	25.3	0.48
F34	05 Nov 2019	54	12.98	87.04	5.8	33.65	7.9	25.4	0.44
F34	05 Nov 2019	55	12.92	86.94	5.7	33.65	7.9	25.4	0.43
F34	05 Nov 2019	56	12.80	86.84	5.7	33.64	7.9	25.4	0.40
F34	05 Nov 2019	57	12.73	86.84	5.6	33.63	7.9	25.4	0.37
F34	05 Nov 2019	58	12.62	86.78	5.5	33.62	7.9	25.4	0.34
F34	05 Nov 2019	59	12.51	86.66	5.5	33.61	7.9	25.4	0.32
F34	05 Nov 2019	60	12.51	86.68	5.5	33.61	7.9	25.4	0.31
F34	05 Nov 2019	61	12.52	86.84	5.5	33.62	7.9	25.4	0.32
F34	05 Nov 2019	62	12.53	86.87	5.6	33.65	7.9	25.4	0.32
F34	05 Nov 2019	63	12.50	86.78	5.5	33.66	7.9	25.4	0.33
F34	05 Nov 2019	64	12.45	86.41	5.4	33.66	7.9	25.5	0.38
F34	05 Nov 2019	65	12.38	85.50	5.2	33.65	7.9	25.5	0.33
F34	05 Nov 2019	66	12.27	85.14	5.1	33.65	7.9	25.5	0.30
F34	05 Nov 2019	67	12.20	84.52	5.0	33.63	7.8	25.5	0.27
F34	05 Nov 2019	68	12.19	84.81	4.9	33.64	7.8	25.5	0.27
F34	05 Nov 2019	69	12.17	85.23	5.0	33.65	7.8	25.5	0.27
F34	05 Nov 2019	70	12.17	85.27	5.0	33.66	7.8	25.5	0.27
F34	05 Nov 2019	71	12.15	85.35	5.0	33.66	7.8	25.5	0.27
F34	05 Nov 2019	72	12.14	84.96	5.0	33.66	7.8	25.5	0.27
F34	05 Nov 2019	73	12.12	85.10	4.9	33.65	7.8	25.5	0.26
F34	05 Nov 2019	74	12.09	84.86	4.9	33.65	7.8	25.5	0.26
F34	05 Nov 2019	75	12.07	84.99	4.9	33.65	7.8	25.5	0.25
F34	05 Nov 2019	76	12.04	85.27	4.9	33.66	7.8	25.5	0.25
F34	05 Nov 2019	77	12.04	85.42	4.9	33.66	7.8	25.5	0.25
F34	05 Nov 2019	78	12.02	85.91	5.0	33.67	7.8	25.6	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	05 Nov 2019	79	12.00	86.39	5.0	33.67	7.8	25.6	0.24
F34	05 Nov 2019	80	12.00	86.53	5.0	33.67	7.8	25.6	0.24
F34	05 Nov 2019	81	12.00	86.41	5.0	33.67	7.8	25.6	0.28
F34	05 Nov 2019	82	12.00	86.33	5.0	33.67	7.8	25.6	0.32
F34	05 Nov 2019	83	12.00	86.40	5.0	33.67	7.8	25.6	0.33
F34	05 Nov 2019	84	12.00	86.22	5.0	33.67	7.8	25.6	0.33
F34	05 Nov 2019	85	12.00	86.39	5.1	33.67	7.8	25.6	0.34
F34	05 Nov 2019	86	11.99	86.43	5.1	33.68	7.8	25.6	0.33
F34	05 Nov 2019	87	11.99	86.35	5.1	33.68	7.8	25.6	0.34
F34	05 Nov 2019	88	11.98	86.54	5.1	33.69	7.8	25.6	0.36
F34	05 Nov 2019	89	11.97	86.66	5.1	33.69	7.8	25.6	0.39
F34	05 Nov 2019	90	11.96	86.62	5.1	33.70	7.8	25.6	0.39
F34	05 Nov 2019	91	11.94	86.17	5.0	33.70	7.8	25.6	0.40
F34	05 Nov 2019	92	11.94	85.72	5.0	33.70	7.8	25.6	0.40
F34	05 Nov 2019	93	11.93	85.26	5.0	33.70	7.8	25.6	0.40
F34	05 Nov 2019	94	11.93	85.02	5.0	33.70	7.8	25.6	0.40
F34	05 Nov 2019	95	11.92	84.80	5.0	33.70	7.8	25.6	0.40
F34	05 Nov 2019	96	11.90	84.62	4.9	33.70	7.8	25.6	0.49
F34	05 Nov 2019	97	11.87	84.58	4.9	33.71	7.8	25.6	0.39
F34	05 Nov 2019	98	11.84	84.43	4.9	33.71	7.8	25.6	0.38
F34	05 Nov 2019	99	11.80	84.60	4.8	33.71	7.8	25.6	0.38
F34	05 Nov 2019	100	11.75	84.64	4.8	33.72	7.8	25.6	0.38
F35	05 Nov 2019	1	18.95	85.99	8.0	33.66	8.2	24.0	0.29
F35	05 Nov 2019	2	18.89	85.96	8.0	33.66	8.2	24.0	0.29
F35	05 Nov 2019	3	18.86	85.80	8.0	33.66	8.2	24.0	0.31
F35	05 Nov 2019	4	18.85	85.83	8.0	33.66	8.2	24.0	0.32
F35	05 Nov 2019	5	18.84	85.76	8.0	33.66	8.2	24.0	0.35
F35	05 Nov 2019	6	18.84	85.79	8.0	33.66	8.2	24.0	0.36
F35	05 Nov 2019	7	18.84	85.79	8.0	33.66	8.2	24.0	0.38
F35	05 Nov 2019	8	18.84	85.81	8.0	33.66	8.2	24.0	0.39
F35	05 Nov 2019	9	18.84	85.82	8.0	33.66	8.2	24.0	0.42
F35	05 Nov 2019	10	18.83	85.79	8.0	33.66	8.2	24.0	0.46
F35	05 Nov 2019	11	18.77	85.62	8.0	33.66	8.2	24.1	0.52
F35	05 Nov 2019	12	18.68	85.50	8.1	33.65	8.2	24.1	0.62
F35	05 Nov 2019	13	18.51	84.95	8.2	33.65	8.2	24.1	0.76
F35	05 Nov 2019	14	18.32	84.19	8.3	33.63	8.2	24.1	0.92
F35	05 Nov 2019	15	18.28	83.92	8.3	33.63	8.2	24.2	1.02
F35	05 Nov 2019	16	17.96	83.65	8.4	33.61	8.2	24.2	1.21
F35	05 Nov 2019	17	17.87	83.29	8.4	33.60	8.2	24.2	1.35
F35	05 Nov 2019	18	17.68	82.81	8.5	33.59	8.2	24.3	1.48
F35	05 Nov 2019	19	17.46	82.49	8.5	33.59	8.2	24.3	1.66
F35	05 Nov 2019	20	17.23	82.03	8.4	33.58	8.2	24.4	1.89
F35	05 Nov 2019	21	17.09	81.80	8.5	33.57	8.2	24.4	2.06
F35	05 Nov 2019	22	16.95	81.58	8.5	33.57	8.2	24.4	2.16
F35	05 Nov 2019	23	16.79	81.71	8.5	33.56	8.2	24.5	2.18
F35	05 Nov 2019	24	16.50	82.25	8.5	33.55	8.2	24.5	2.07
F35	05 Nov 2019	25	16.28	82.66	8.5	33.54	8.2	24.6	1.98
F35	05 Nov 2019	26	16.06	83.24	8.5	33.52	8.1	24.6	1.88
F35	05 Nov 2019	27	15.94	83.48	8.5	33.51	8.1	24.6	1.84
F35	05 Nov 2019	28	15.72	83.50	8.5	33.52	8.1	24.7	1.95
F35	05 Nov 2019	29	15.53	83.25	8.4	33.52	8.1	24.7	2.12
F35	05 Nov 2019	30	15.36	83.14	8.2	33.52	8.1	24.7	2.21
F35	05 Nov 2019	31	15.34	83.04	8.1	33.52	8.1	24.8	2.40
F35	05 Nov 2019	32	15.34	82.85	8.1	33.53	8.1	24.8	2.39
F35	05 Nov 2019	33	15.32	82.92	8.0	33.54	8.1	24.8	2.44
F35	05 Nov 2019	34	15.32	82.85	8.0	33.55	8.1	24.8	2.39
F35	05 Nov 2019	35	15.31	82.89	7.9	33.56	8.1	24.8	2.48
F35	05 Nov 2019	36	15.23	83.06	7.8	33.56	8.1	24.8	2.44
F35	05 Nov 2019	37	15.18	83.32	7.8	33.56	8.1	24.8	2.27
F35	05 Nov 2019	38	15.12	83.39	7.7	33.56	8.1	24.8	2.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	05 Nov 2019	39	14.93	83.61	7.8	33.54	8.1	24.9	2.08
F35	05 Nov 2019	40	14.68	84.00	8.0	33.51	8.1	24.9	1.95
F35	05 Nov 2019	41	14.53	84.23	8.1	33.47	8.1	24.9	1.91
F35	05 Nov 2019	42	14.59	84.44	7.8	33.49	8.1	24.9	1.83
F35	05 Nov 2019	43	14.57	85.03	7.3	33.57	8.1	25.0	1.38
F35	05 Nov 2019	44	14.41	85.96	7.2	33.57	8.0	25.0	1.01
F35	05 Nov 2019	45	14.35	86.15	7.0	33.57	8.0	25.0	0.88
F35	05 Nov 2019	46	14.24	86.21	6.9	33.58	8.0	25.0	0.82
F35	05 Nov 2019	47	14.20	86.24	6.9	33.58	8.0	25.0	0.83
F35	05 Nov 2019	48	13.83	86.07	6.8	33.58	8.0	25.1	0.88
F35	05 Nov 2019	49	13.73	86.23	6.8	33.57	8.0	25.1	0.94
F35	05 Nov 2019	50	13.67	86.30	6.8	33.57	8.0	25.2	0.92
F35	05 Nov 2019	51	13.64	86.48	6.7	33.57	8.0	25.2	0.88
F35	05 Nov 2019	52	13.63	86.54	6.6	33.58	8.0	25.2	0.86
F35	05 Nov 2019	53	13.46	86.63	6.5	33.59	8.0	25.2	0.83
F35	05 Nov 2019	54	13.42	86.73	6.5	33.60	8.0	25.2	0.74
F35	05 Nov 2019	55	13.32	86.82	6.3	33.61	8.0	25.3	0.65
F35	05 Nov 2019	56	13.18	86.81	6.2	33.62	8.0	25.3	0.58
F35	05 Nov 2019	57	13.14	86.80	6.2	33.62	7.9	25.3	0.54
F35	05 Nov 2019	58	13.10	86.97	6.1	33.63	7.9	25.3	0.52
F35	05 Nov 2019	59	12.96	87.10	6.0	33.65	7.9	25.4	0.50
F35	05 Nov 2019	60	12.87	87.24	5.9	33.65	7.9	25.4	0.48
F35	05 Nov 2019	61	12.77	87.18	5.8	33.66	7.9	25.4	0.43
F35	05 Nov 2019	62	12.67	87.02	5.7	33.66	7.9	25.4	0.38
F35	05 Nov 2019	63	12.63	87.05	5.6	33.66	7.9	25.4	0.37
F35	05 Nov 2019	64	12.63	87.11	5.6	33.67	7.9	25.4	0.38
F35	05 Nov 2019	65	12.53	87.06	5.5	33.67	7.9	25.5	0.36
F35	05 Nov 2019	66	12.46	87.00	5.4	33.66	7.9	25.5	0.33
F35	05 Nov 2019	67	12.24	86.36	5.2	33.65	7.9	25.5	0.29
F35	05 Nov 2019	68	12.11	86.19	5.0	33.62	7.8	25.5	0.25
F35	05 Nov 2019	69	12.01	86.01	4.9	33.62	7.8	25.5	0.23
F35	05 Nov 2019	70	12.02	86.08	4.9	33.61	7.8	25.5	0.32
F35	05 Nov 2019	71	12.05	86.25	5.0	33.63	7.8	25.5	0.31
F35	05 Nov 2019	72	12.05	86.33	5.0	33.63	7.8	25.5	0.32
F35	05 Nov 2019	73	12.06	86.39	5.0	33.64	7.8	25.5	0.33
F35	05 Nov 2019	74	12.13	86.65	5.2	33.66	7.8	25.5	0.36
F35	05 Nov 2019	75	12.14	86.57	5.2	33.67	7.9	25.5	0.37
F35	05 Nov 2019	76	12.14	86.46	5.2	33.67	7.9	25.5	0.37
F35	05 Nov 2019	77	12.14	86.47	5.2	33.67	7.9	25.5	0.38
F35	05 Nov 2019	78	12.15	86.53	5.2	33.67	7.9	25.5	0.38
F35	05 Nov 2019	79	12.15	86.59	5.2	33.67	7.9	25.5	0.38
F35	05 Nov 2019	80	12.16	86.51	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	81	12.16	86.55	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	82	12.16	86.59	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	83	12.16	86.58	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	84	12.16	86.59	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	85	12.15	86.67	5.3	33.68	7.9	25.5	0.39
F35	05 Nov 2019	86	12.15	86.69	5.2	33.68	7.9	25.5	0.39
F35	05 Nov 2019	87	12.14	86.52	5.2	33.68	7.8	25.5	0.39
F35	05 Nov 2019	88	12.14	84.72	5.2	33.68	7.8	25.5	0.39
F35	05 Nov 2019	89	12.13	86.36	5.2	33.68	7.8	25.5	0.38
F35	05 Nov 2019	90	12.12	86.82	5.2	33.67	7.8	25.5	0.38
F35	05 Nov 2019	91	12.12	86.69	5.2	33.67	7.8	25.5	0.38
F35	05 Nov 2019	92	12.11	86.56	5.2	33.68	7.8	25.5	0.44
F35	05 Nov 2019	93	12.11	85.99	5.1	33.68	7.8	25.5	0.38
F35	05 Nov 2019	94	12.11	85.74	5.1	33.68	7.8	25.5	0.38
F35	05 Nov 2019	95	12.10	85.83	5.1	33.68	7.8	25.5	0.37
F35	05 Nov 2019	96	12.10	85.82	5.1	33.68	7.8	25.5	0.37
F35	05 Nov 2019	97	12.01	85.57	5.0	33.70	7.8	25.6	0.38
F35	05 Nov 2019	98	11.85	85.03	4.8	33.72	7.8	25.6	0.39
F35	05 Nov 2019	99	11.76	84.75	4.7	33.73	7.8	25.6	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	05 Nov 2019	100	11.71	84.47	4.7	33.74	7.8	25.7	0.38
F36	05 Nov 2019	1	19.08	82.72	7.9	33.68	8.2	24.0	0.31
F36	05 Nov 2019	2	19.07	85.50	7.9	33.68	8.2	24.0	0.32
F36	05 Nov 2019	3	19.06	86.34	7.9	33.68	8.2	24.0	0.32
F36	05 Nov 2019	4	19.04	86.32	7.9	33.68	8.2	24.0	0.33
F36	05 Nov 2019	5	19.04	86.25	7.9	33.67	8.2	24.0	0.34
F36	05 Nov 2019	6	19.02	86.28	7.9	33.68	8.2	24.0	0.36
F36	05 Nov 2019	7	19.01	86.24	7.9	33.67	8.2	24.0	0.39
F36	05 Nov 2019	8	18.98	86.21	7.9	33.68	8.2	24.0	0.44
F36	05 Nov 2019	9	18.65	85.91	8.1	33.66	8.2	24.1	0.53
F36	05 Nov 2019	10	18.55	85.56	8.1	33.64	8.2	24.1	0.58
F36	05 Nov 2019	11	18.43	85.43	8.1	33.64	8.2	24.1	0.65
F36	05 Nov 2019	12	18.27	85.36	8.2	33.62	8.2	24.1	0.73
F36	05 Nov 2019	13	18.24	85.24	8.2	33.62	8.2	24.2	0.79
F36	05 Nov 2019	14	18.16	85.01	8.2	33.61	8.2	24.2	0.85
F36	05 Nov 2019	15	17.96	84.83	8.3	33.61	8.2	24.2	0.97
F36	05 Nov 2019	16	17.69	84.39	8.4	33.60	8.2	24.3	1.12
F36	05 Nov 2019	17	17.41	83.84	8.4	33.58	8.2	24.3	1.28
F36	05 Nov 2019	18	17.14	83.81	8.4	33.57	8.2	24.4	1.35
F36	05 Nov 2019	19	16.75	83.80	8.5	33.55	8.2	24.5	1.38
F36	05 Nov 2019	20	16.47	84.34	8.5	33.53	8.1	24.5	1.36
F36	05 Nov 2019	21	16.35	84.65	8.5	33.51	8.1	24.5	1.31
F36	05 Nov 2019	22	16.20	84.52	8.5	33.52	8.1	24.6	1.39
F36	05 Nov 2019	23	15.97	84.13	8.4	33.51	8.1	24.6	1.62
F36	05 Nov 2019	24	15.91	83.44	8.4	33.51	8.1	24.6	1.84
F36	05 Nov 2019	25	15.89	83.06	8.4	33.52	8.1	24.6	1.97
F36	05 Nov 2019	26	15.73	82.80	8.2	33.53	8.1	24.7	2.08
F36	05 Nov 2019	27	15.25	82.85	8.2	33.53	8.1	24.8	2.13
F36	05 Nov 2019	28	14.96	83.25	8.3	33.50	8.1	24.8	2.20
F36	05 Nov 2019	29	14.85	83.33	8.3	33.50	8.1	24.8	2.18
F36	05 Nov 2019	30	14.73	83.43	8.3	33.48	8.1	24.9	2.32
F36	05 Nov 2019	31	14.72	83.45	8.3	33.48	8.1	24.9	2.33
F36	05 Nov 2019	32	14.64	83.51	8.3	33.48	8.1	24.9	2.36
F36	05 Nov 2019	33	14.57	83.60	8.3	33.47	8.1	24.9	2.34
F36	05 Nov 2019	34	14.50	83.76	8.3	33.47	8.1	24.9	2.34
F36	05 Nov 2019	35	14.28	84.03	8.3	33.43	8.1	24.9	2.39
F36	05 Nov 2019	36	14.29	84.01	8.3	33.43	8.1	24.9	2.39
F36	05 Nov 2019	37	14.11	84.08	8.2	33.44	8.1	25.0	2.37
F36	05 Nov 2019	38	13.96	84.18	8.2	33.41	8.1	25.0	2.41
F36	05 Nov 2019	39	13.91	84.28	8.2	33.41	8.1	25.0	2.41
F36	05 Nov 2019	40	13.81	84.36	8.1	33.41	8.1	25.0	2.35
F36	05 Nov 2019	41	13.68	84.74	8.0	33.42	8.1	25.0	2.29
F36	05 Nov 2019	42	13.57	85.24	8.0	33.41	8.1	25.1	2.01
F36	05 Nov 2019	43	13.54	85.42	8.0	33.41	8.1	25.1	1.87
F36	05 Nov 2019	44	13.53	85.60	8.0	33.41	8.1	25.1	1.83
F36	05 Nov 2019	45	13.52	85.58	8.0	33.41	8.1	25.1	1.80
F36	05 Nov 2019	46	13.51	85.60	7.9	33.41	8.1	25.1	1.76
F36	05 Nov 2019	47	13.52	85.63	7.9	33.41	8.1	25.1	1.75
F36	05 Nov 2019	48	13.55	85.60	7.8	33.43	8.1	25.1	1.74
F36	05 Nov 2019	49	13.57	85.57	7.7	33.44	8.0	25.1	1.67
F36	05 Nov 2019	50	13.55	85.66	7.5	33.46	8.0	25.1	1.58
F36	05 Nov 2019	51	13.53	85.80	7.5	33.47	8.0	25.1	1.49
F36	05 Nov 2019	52	13.53	85.98	7.4	33.47	8.0	25.1	1.41
F36	05 Nov 2019	53	13.61	86.06	7.2	33.50	8.0	25.1	1.31
F36	05 Nov 2019	54	13.61	86.13	7.1	33.51	8.0	25.1	1.22
F36	05 Nov 2019	55	13.54	86.32	6.9	33.54	8.0	25.2	1.08
F36	05 Nov 2019	56	13.31	86.64	6.6	33.58	8.0	25.2	0.88
F36	05 Nov 2019	57	13.23	87.31	6.5	33.58	8.0	25.2	0.74
F36	05 Nov 2019	58	13.23	87.43	6.5	33.58	8.0	25.2	0.68
F36	05 Nov 2019	59	13.22	87.40	6.5	33.58	8.0	25.2	0.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	05 Nov 2019	60	13.18	87.44	6.4	33.58	8.0	25.3	0.65
F36	05 Nov 2019	61	13.09	87.52	6.4	33.59	8.0	25.3	0.65
F36	05 Nov 2019	62	13.06	87.55	6.4	33.60	8.0	25.3	0.63
F36	05 Nov 2019	63	13.04	87.61	6.4	33.60	8.0	25.3	0.60
F36	05 Nov 2019	64	13.03	87.60	6.4	33.60	8.0	25.3	0.61
F36	05 Nov 2019	65	13.02	87.71	6.4	33.60	8.0	25.3	0.61
F36	05 Nov 2019	66	13.02	87.63	6.4	33.60	8.0	25.3	0.58
F36	05 Nov 2019	67	13.04	87.62	6.3	33.61	8.0	25.3	0.59
F36	05 Nov 2019	68	13.06	87.67	6.3	33.62	8.0	25.3	0.60
F36	05 Nov 2019	69	13.08	87.68	6.3	33.63	7.9	25.3	0.60
F36	05 Nov 2019	70	13.07	87.70	6.2	33.64	7.9	25.3	0.54
F36	05 Nov 2019	71	13.05	87.66	6.2	33.65	7.9	25.3	0.56
F36	05 Nov 2019	72	13.02	87.69	6.1	33.66	7.9	25.3	0.54
F36	05 Nov 2019	73	12.96	87.69	6.0	33.67	7.9	25.4	0.54
F36	05 Nov 2019	74	12.82	87.58	5.8	33.67	7.9	25.4	0.47
F36	05 Nov 2019	75	12.77	87.45	5.8	33.66	7.9	25.4	0.44
F36	05 Nov 2019	76	12.72	87.18	5.7	33.65	7.9	25.4	0.40
F36	05 Nov 2019	77	12.70	87.06	5.7	33.65	7.9	25.4	0.38
F36	05 Nov 2019	78	12.67	87.06	5.7	33.64	7.9	25.4	0.39
F36	05 Nov 2019	79	12.62	86.85	5.6	33.64	7.9	25.4	0.36
F36	05 Nov 2019	80	12.50	86.60	5.5	33.64	7.9	25.4	0.33
F36	05 Nov 2019	81	12.50	86.66	5.5	33.64	7.9	25.4	0.31
F36	05 Nov 2019	82	12.38	86.57	5.4	33.65	7.9	25.5	0.30
F36	05 Nov 2019	83	12.36	86.62	5.4	33.65	7.9	25.5	0.29
F36	05 Nov 2019	84	12.34	86.46	5.4	33.65	7.9	25.5	0.29
F36	05 Nov 2019	85	12.34	86.57	5.4	33.65	7.9	25.5	0.29
F36	05 Nov 2019	86	12.33	86.54	5.4	33.65	7.9	25.5	0.28
F36	05 Nov 2019	87	12.33	86.46	5.4	33.65	7.9	25.5	0.28
F36	05 Nov 2019	88	12.32	86.53	5.4	33.65	7.9	25.5	0.28
F36	05 Nov 2019	89	12.31	86.39	5.3	33.65	7.9	25.5	0.28
F36	05 Nov 2019	90	12.29	86.35	5.3	33.65	7.9	25.5	0.27
F36	05 Nov 2019	91	12.29	86.44	5.3	33.65	7.9	25.5	0.28
F36	05 Nov 2019	92	12.27	86.40	5.3	33.66	7.9	25.5	0.27
F36	05 Nov 2019	93	12.27	86.47	5.3	33.66	7.9	25.5	0.28
F36	05 Nov 2019	94	12.27	86.50	5.3	33.66	7.9	25.5	0.28
F36	05 Nov 2019	95	12.25	86.40	5.2	33.66	7.8	25.5	0.28
F36	05 Nov 2019	96	12.18	86.27	5.2	33.67	7.8	25.5	0.32
F36	05 Nov 2019	97	12.13	85.92	5.1	33.69	7.8	25.5	0.32
F36	05 Nov 2019	98	12.05	85.71	5.0	33.70	7.8	25.6	0.32
F36	05 Nov 2019	99	11.97	85.59	4.9	33.73	7.8	25.6	0.33
F36	05 Nov 2019	100	11.91	85.97	4.8	33.73	7.8	25.6	0.33
F36	05 Nov 2019	101	11.85	85.93	4.8	33.74	7.8	25.6	0.33

NA = not available

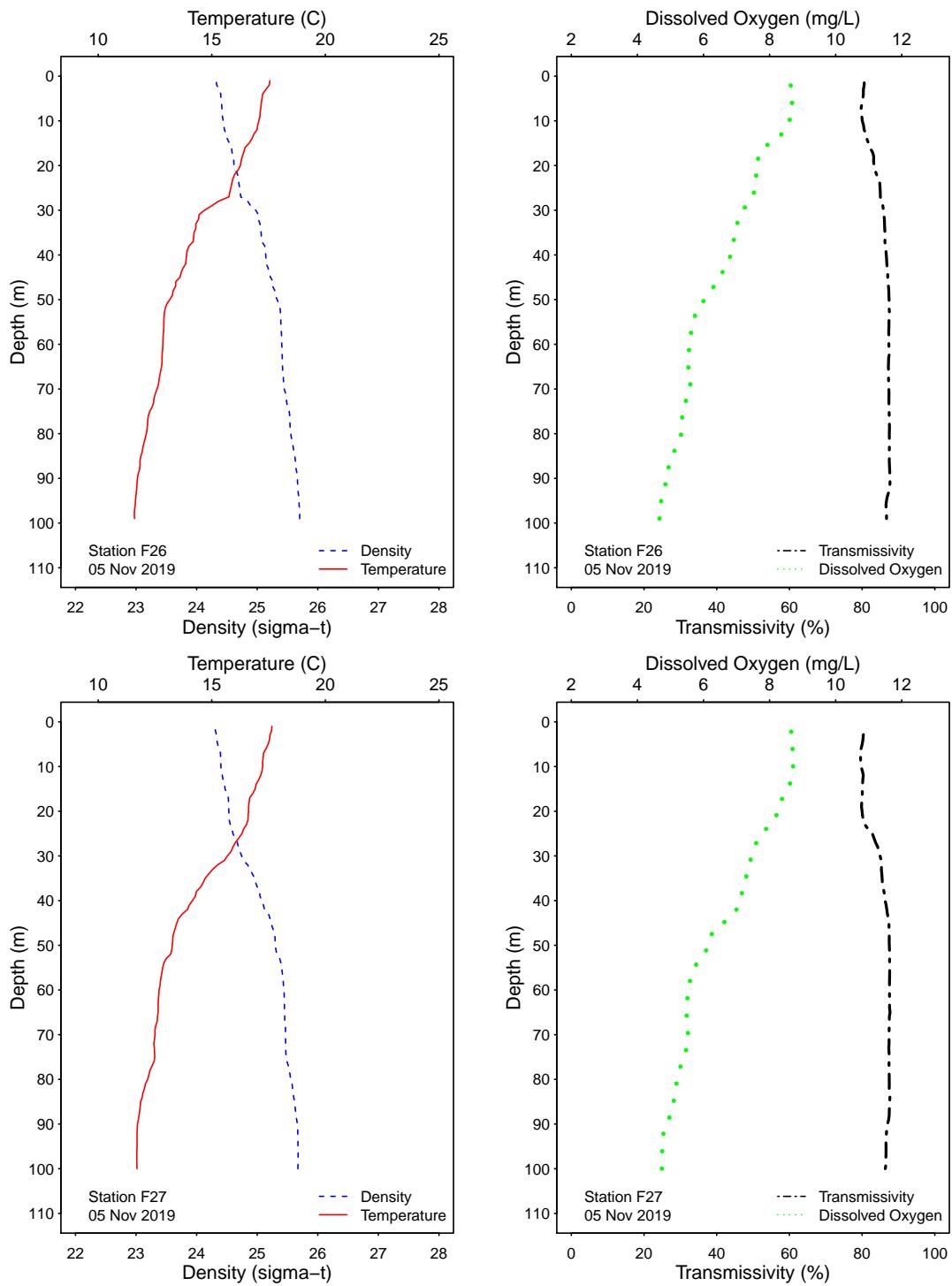


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

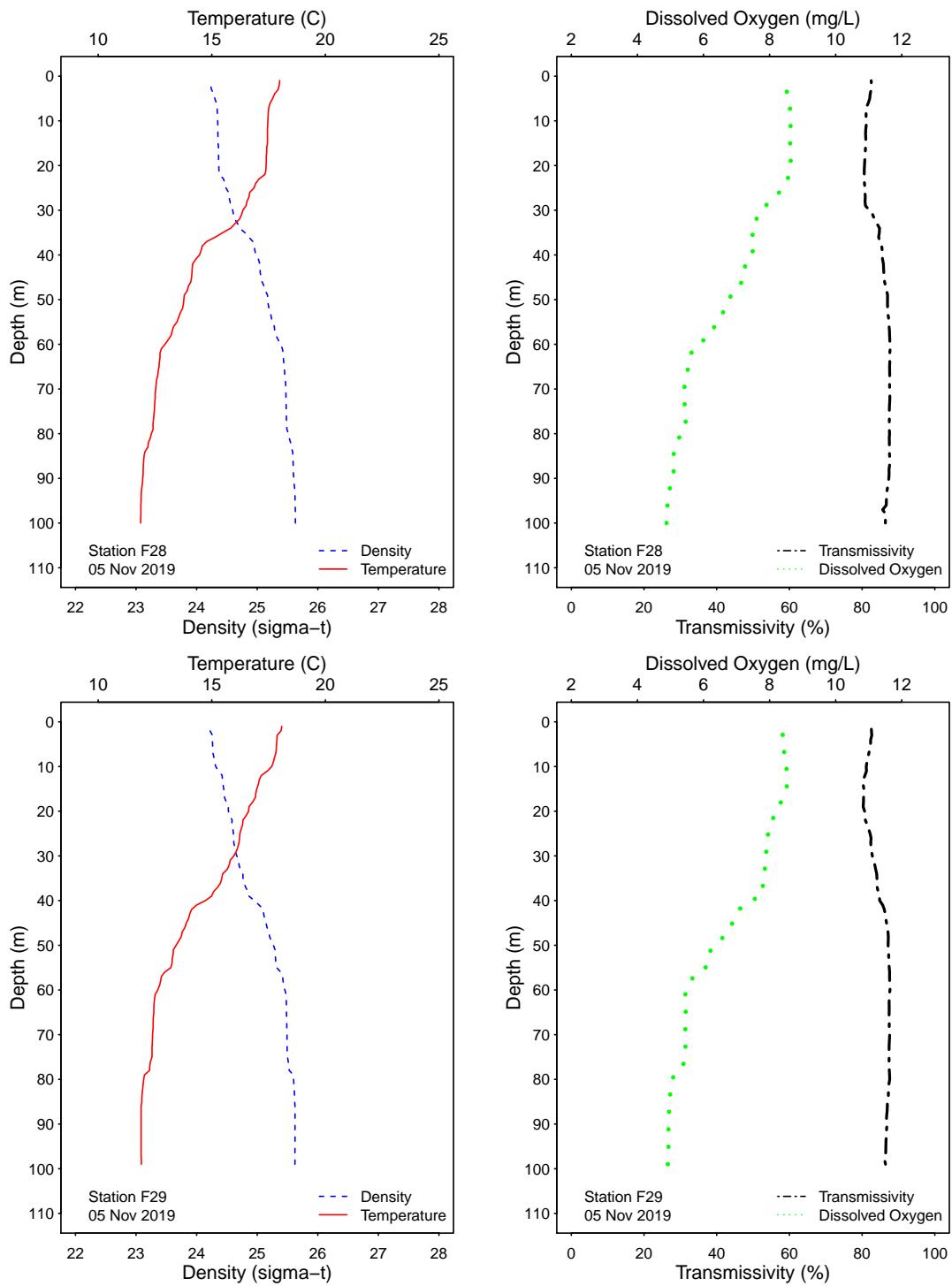


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

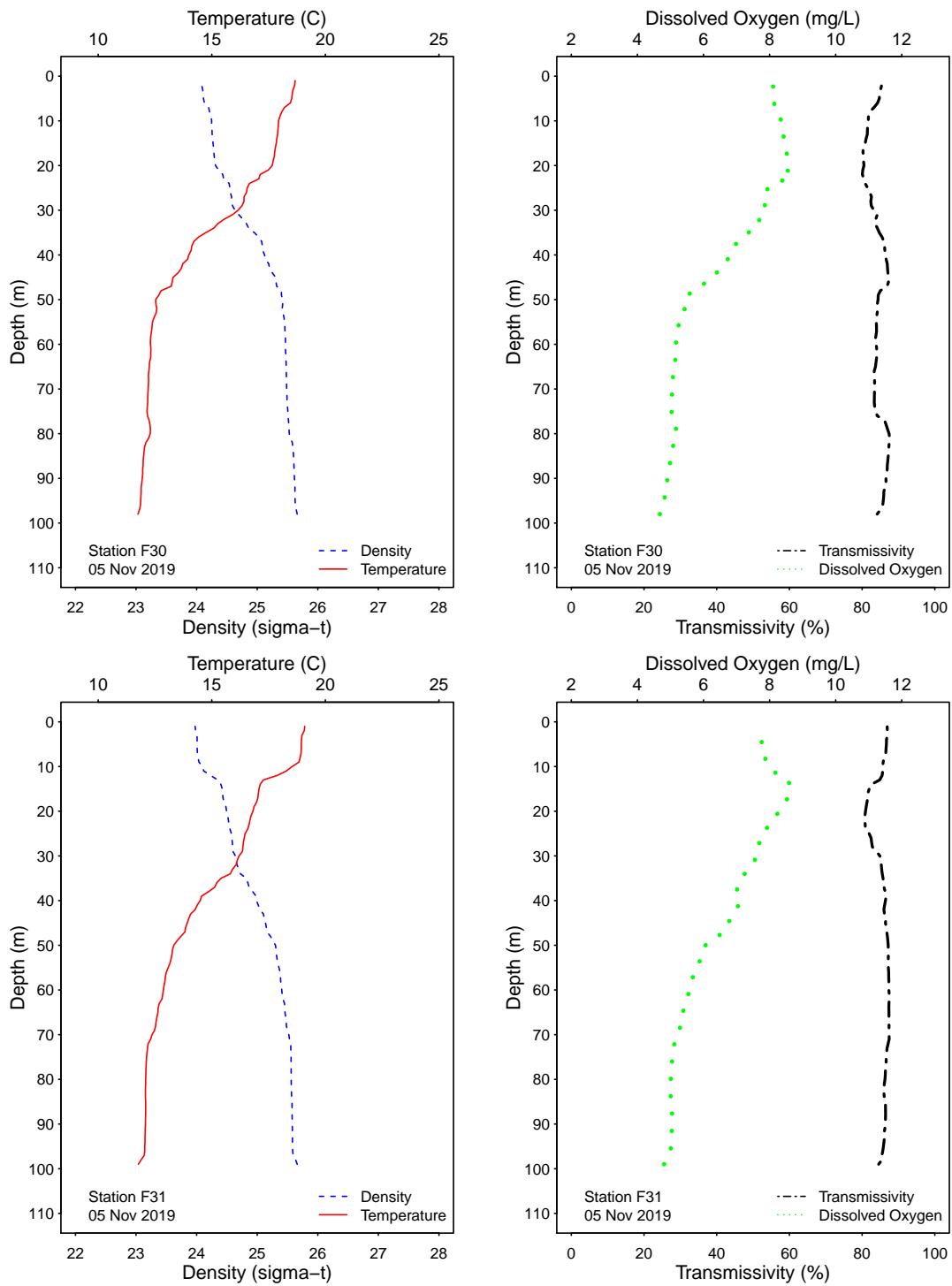


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

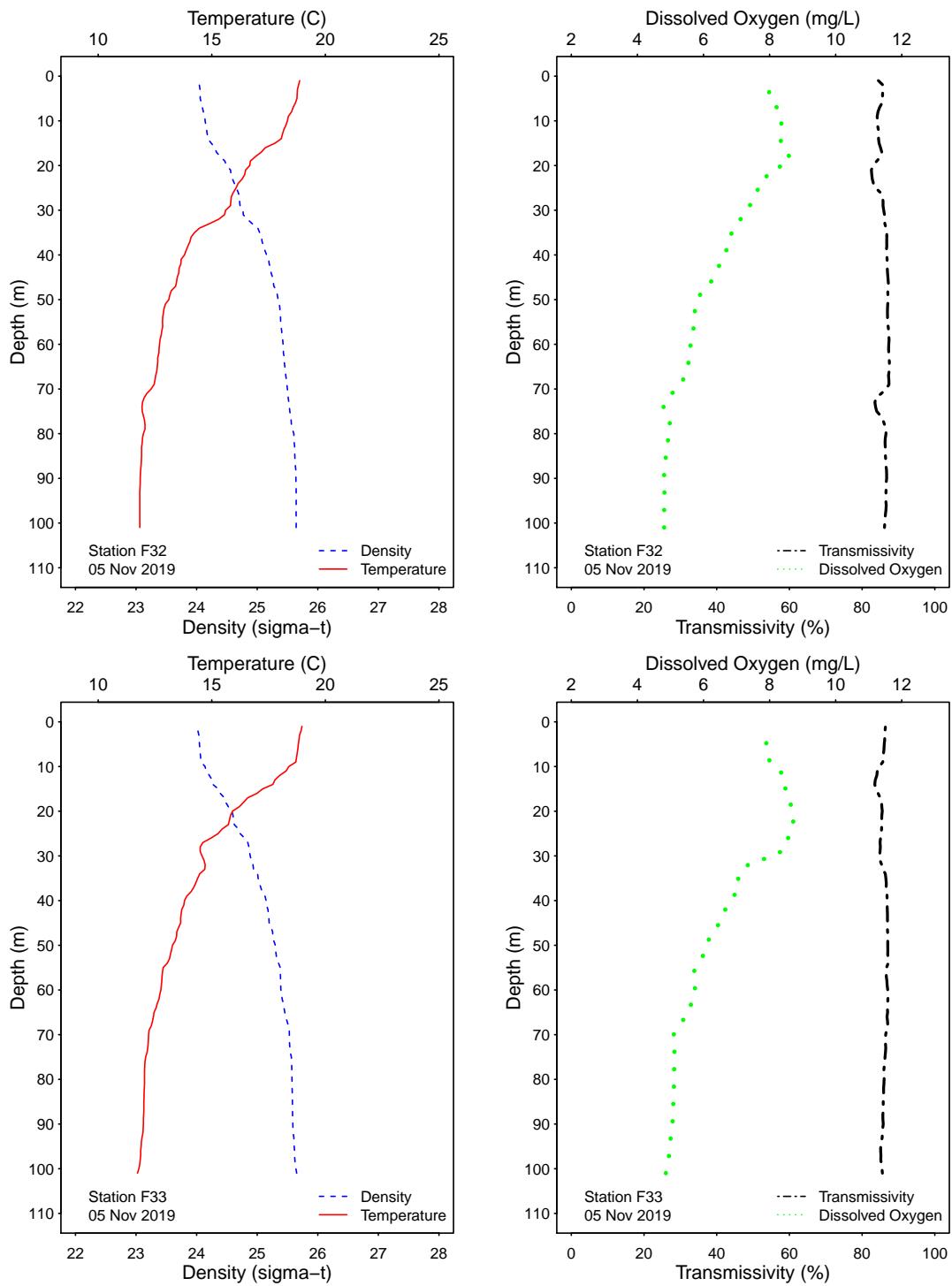


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

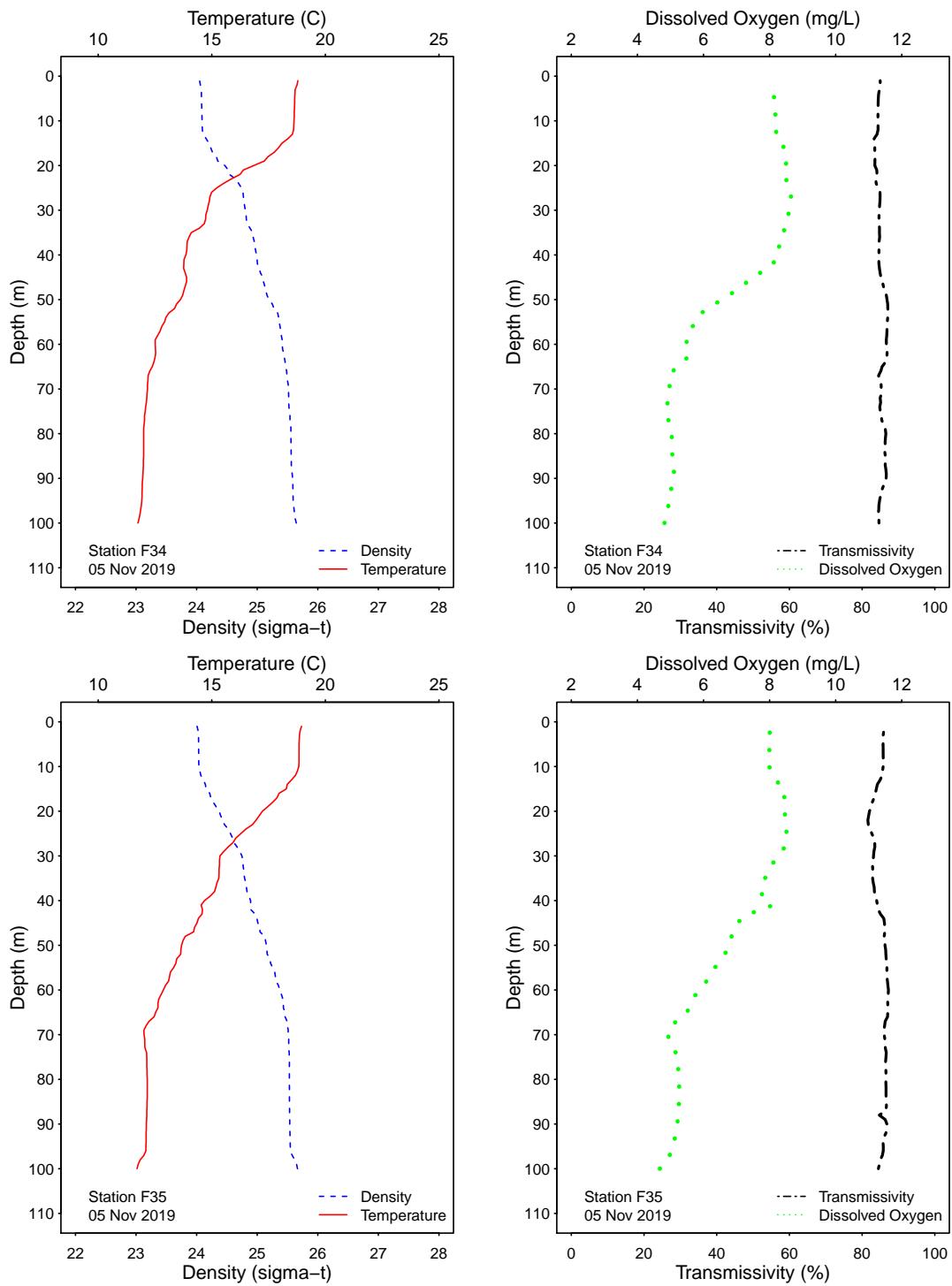


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

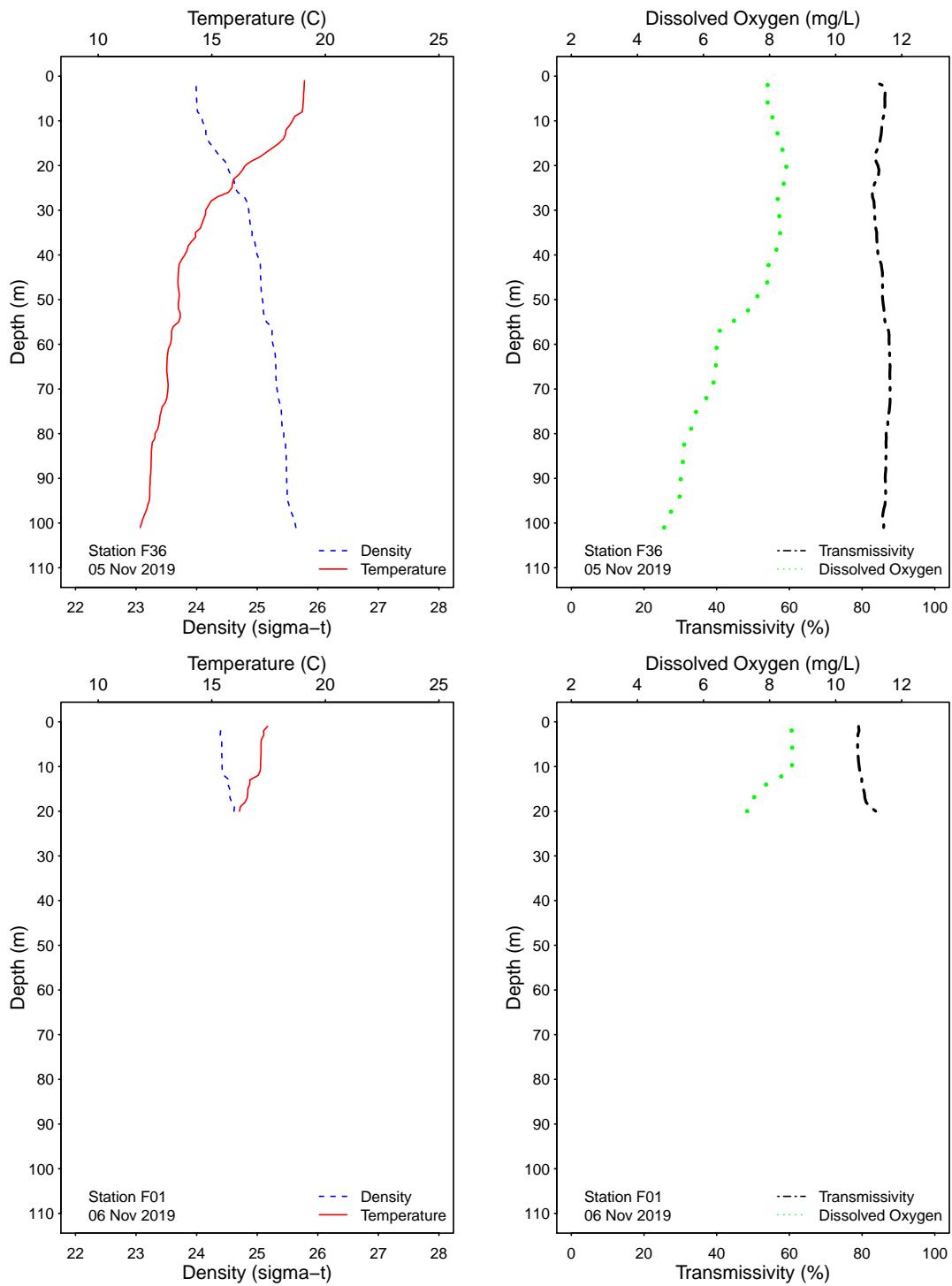


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

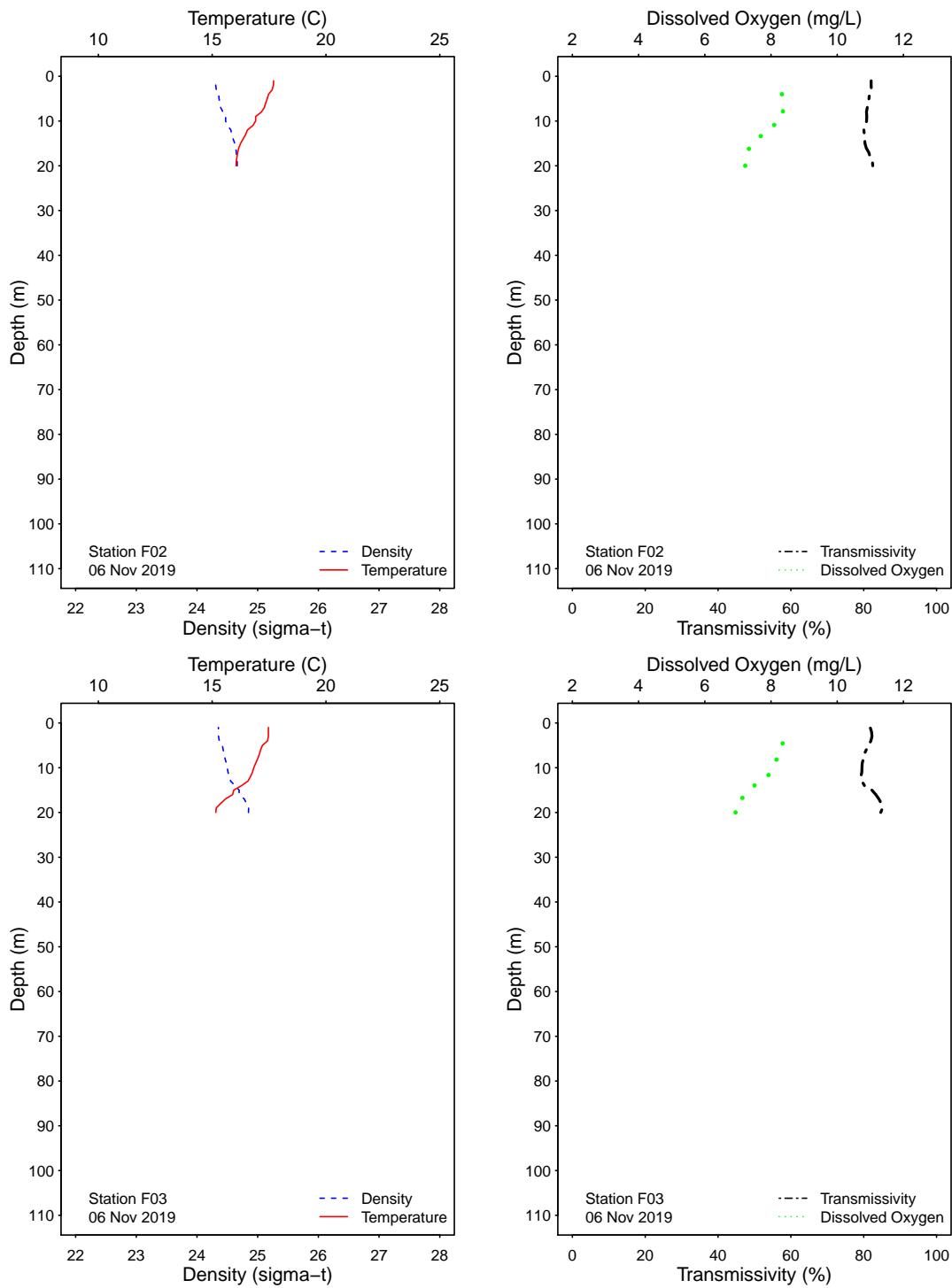


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

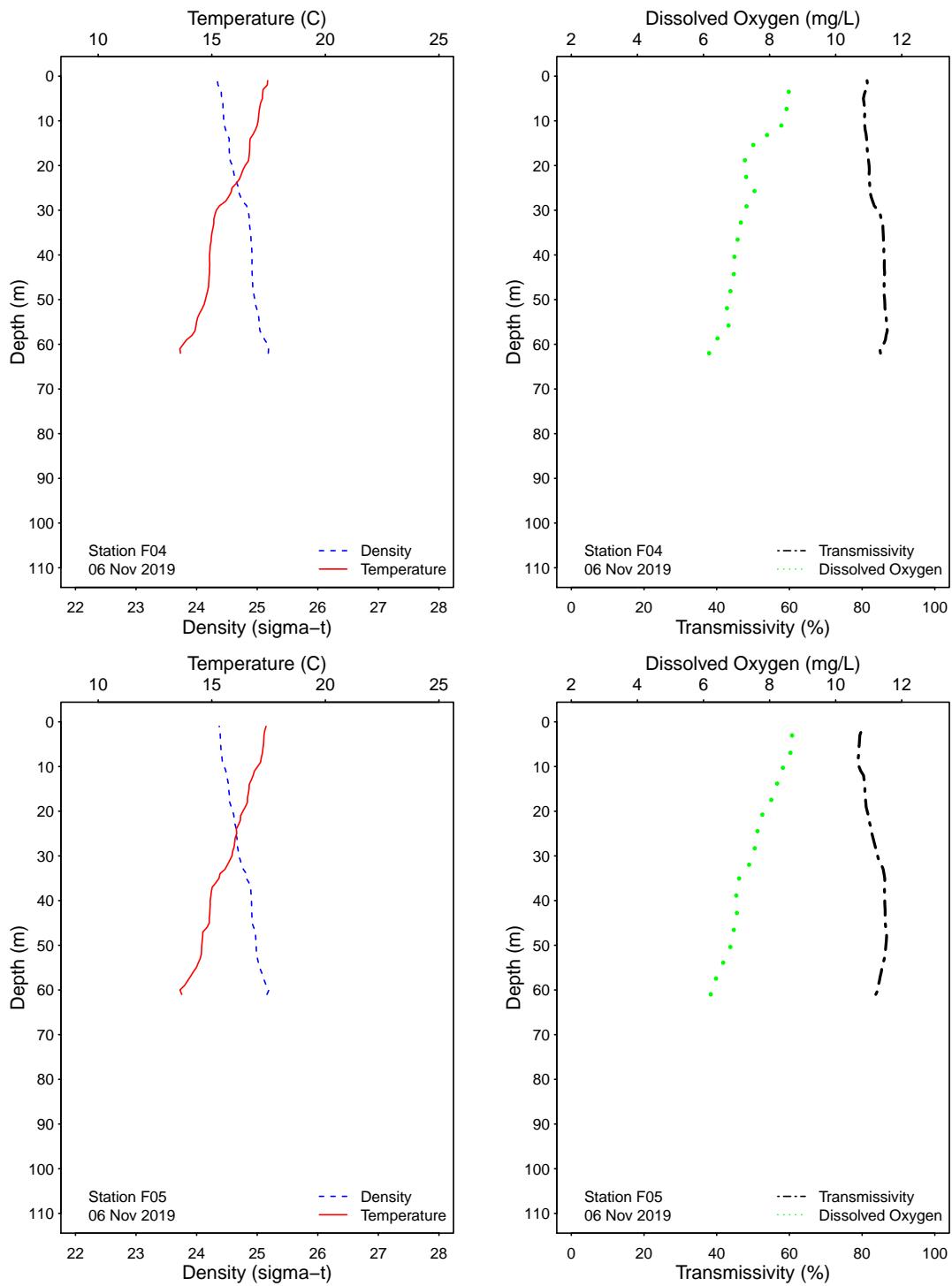


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

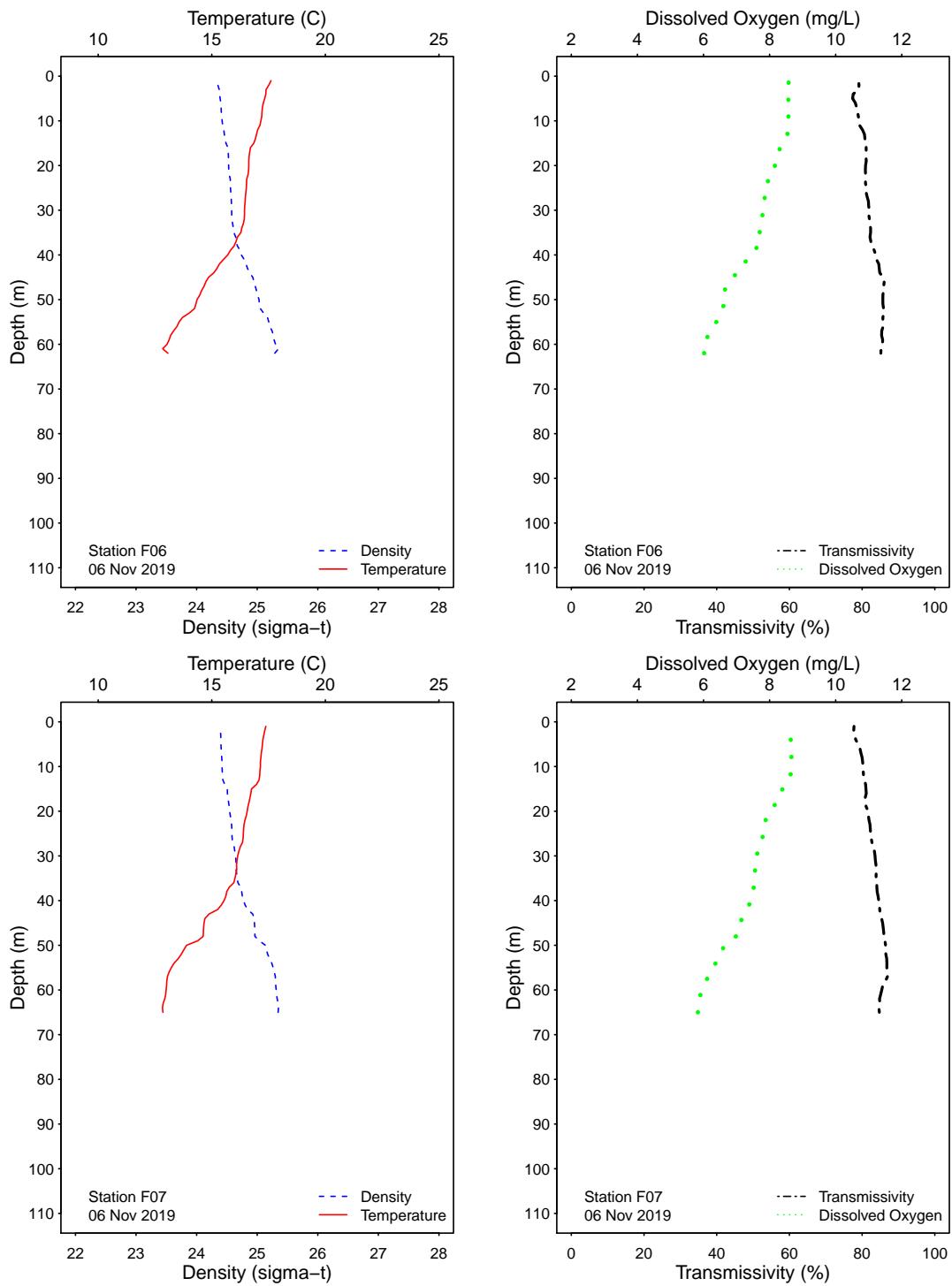


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

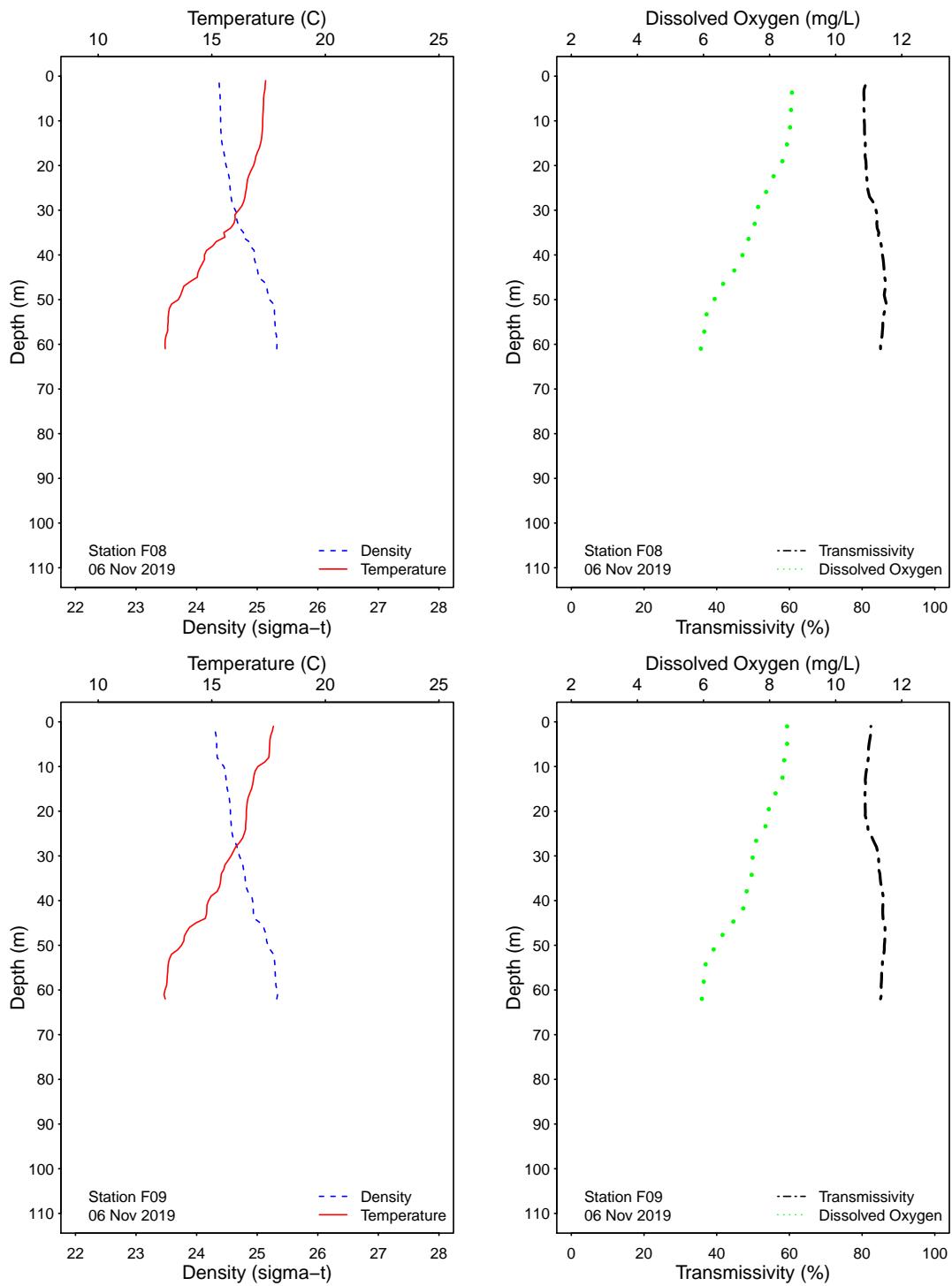


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

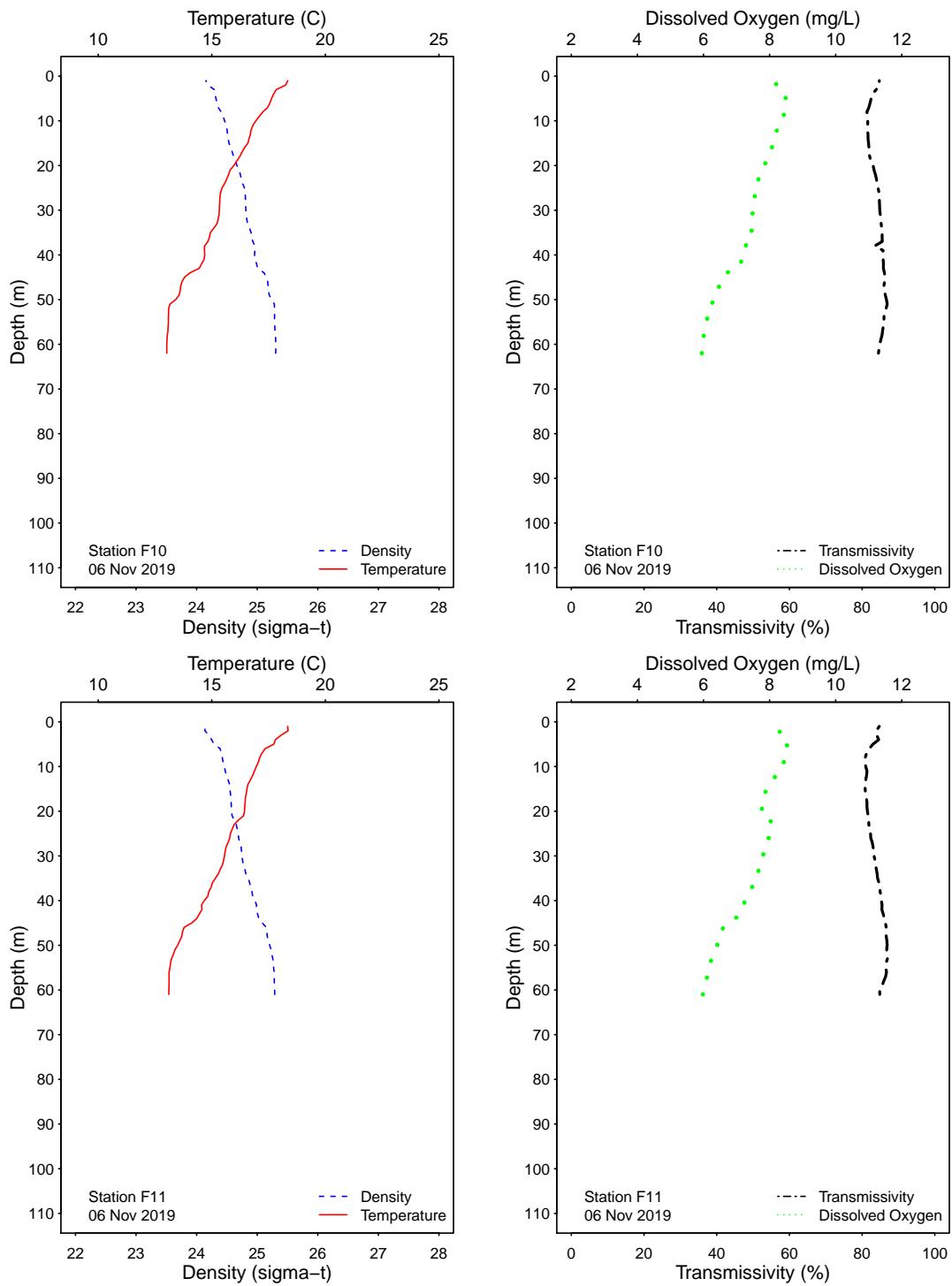


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

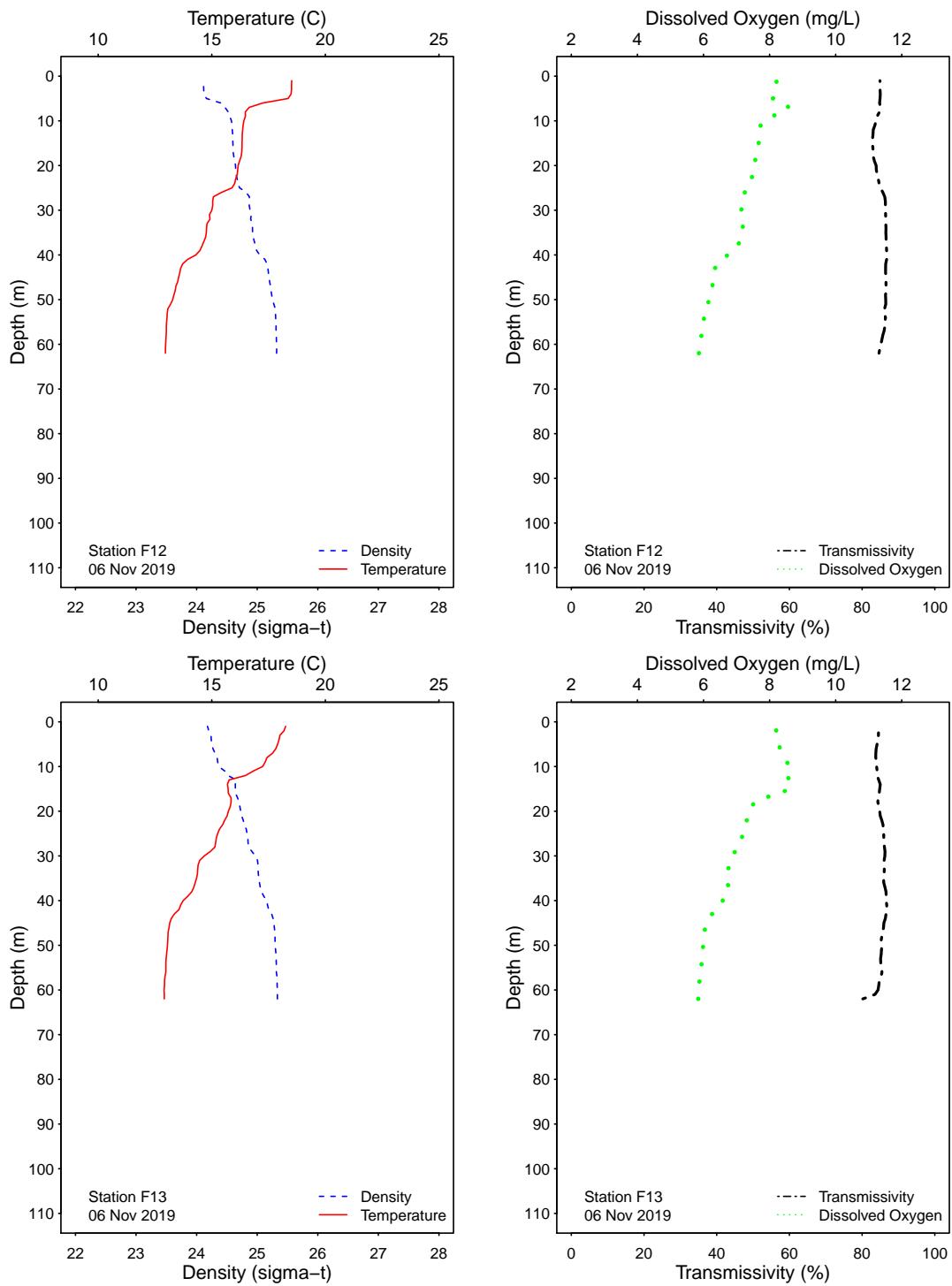


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

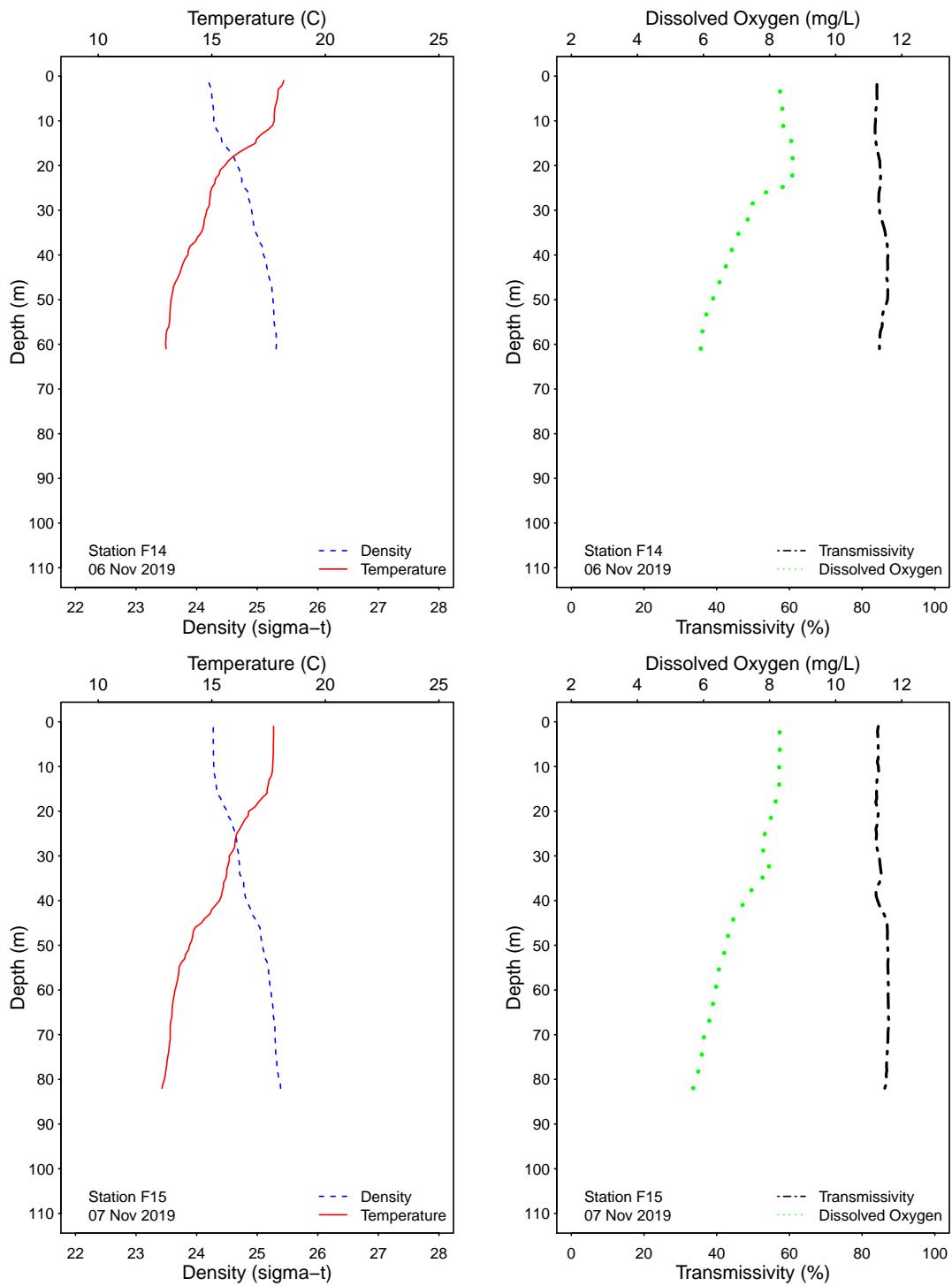


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

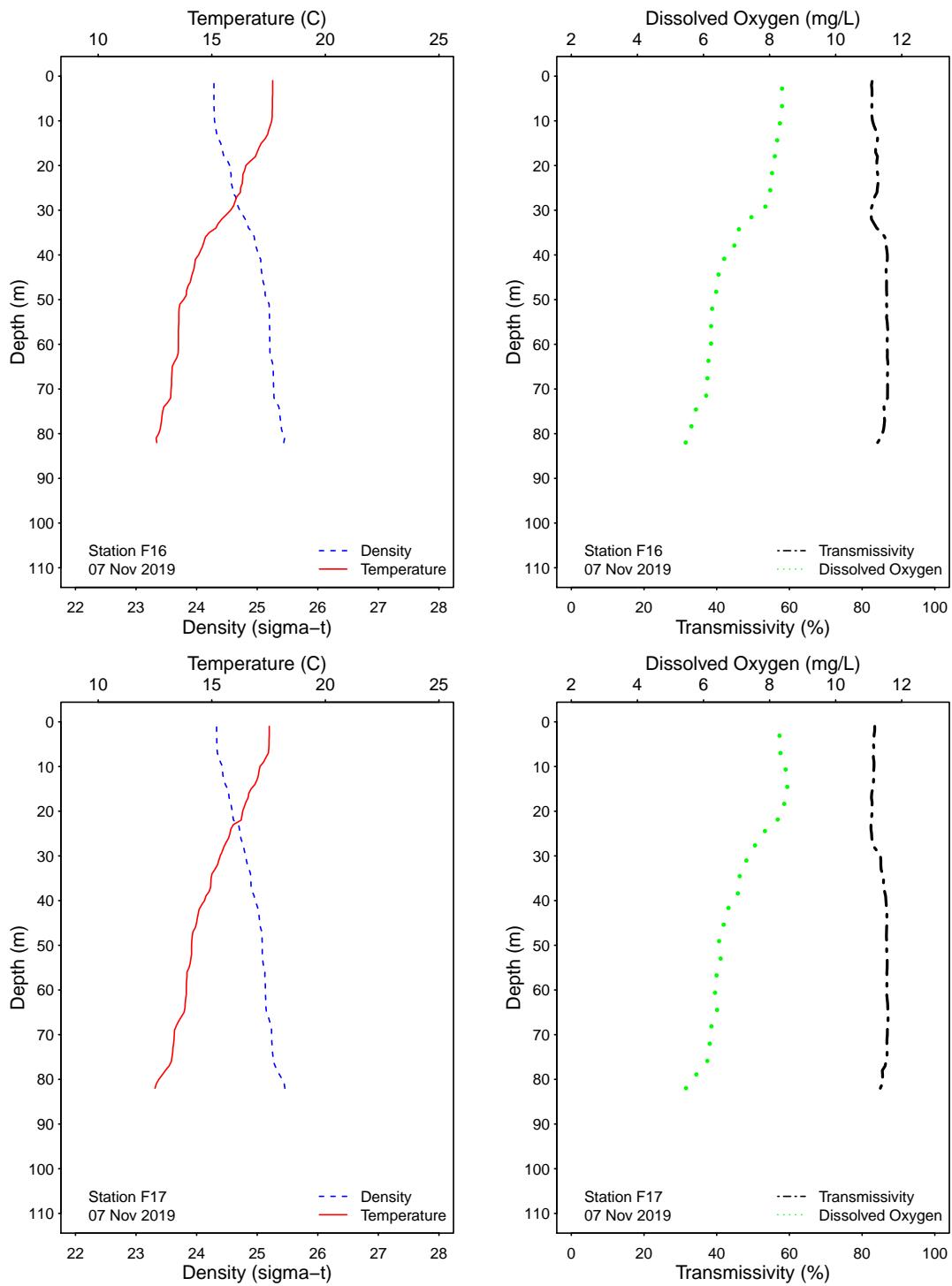


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

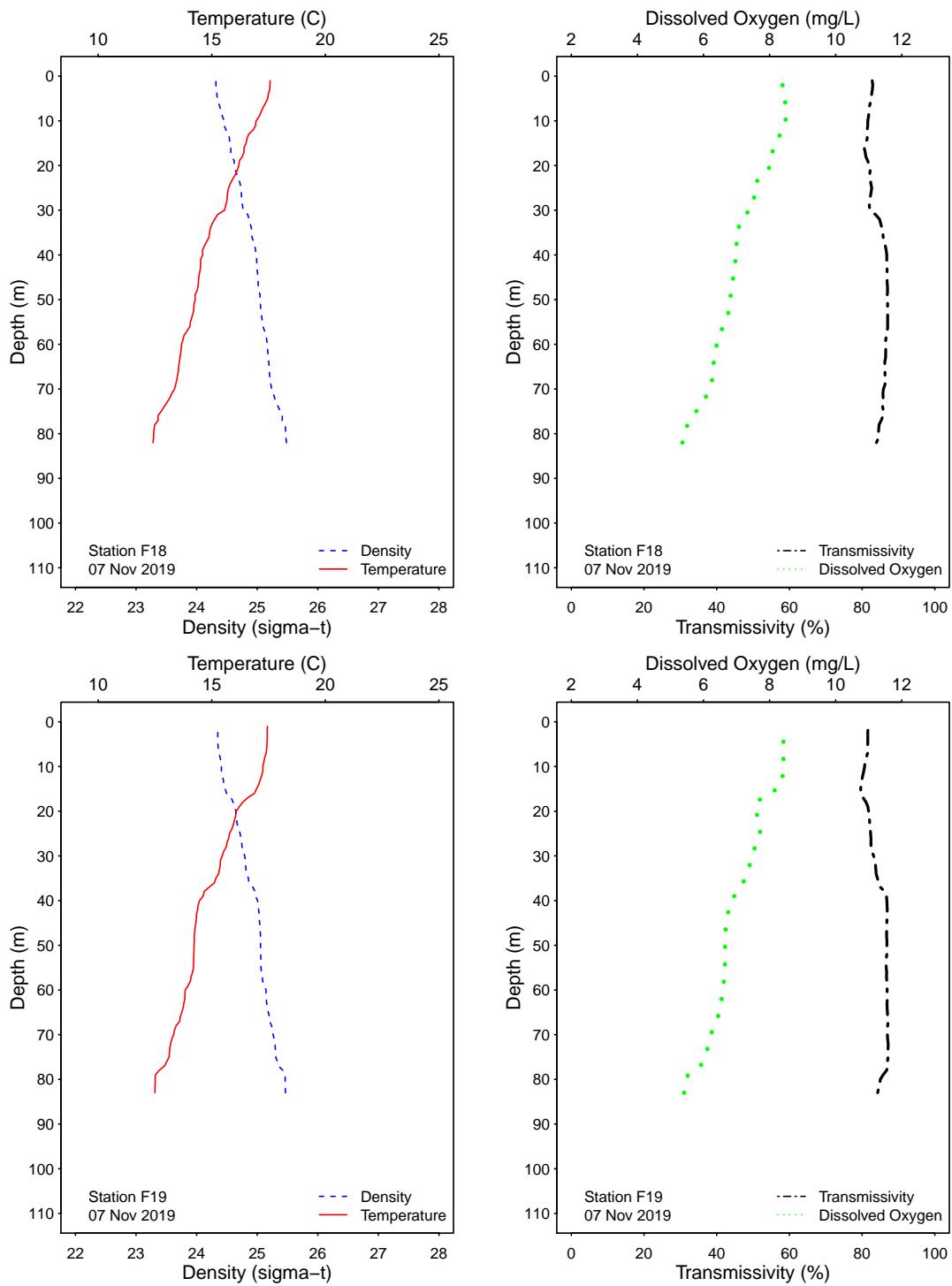


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

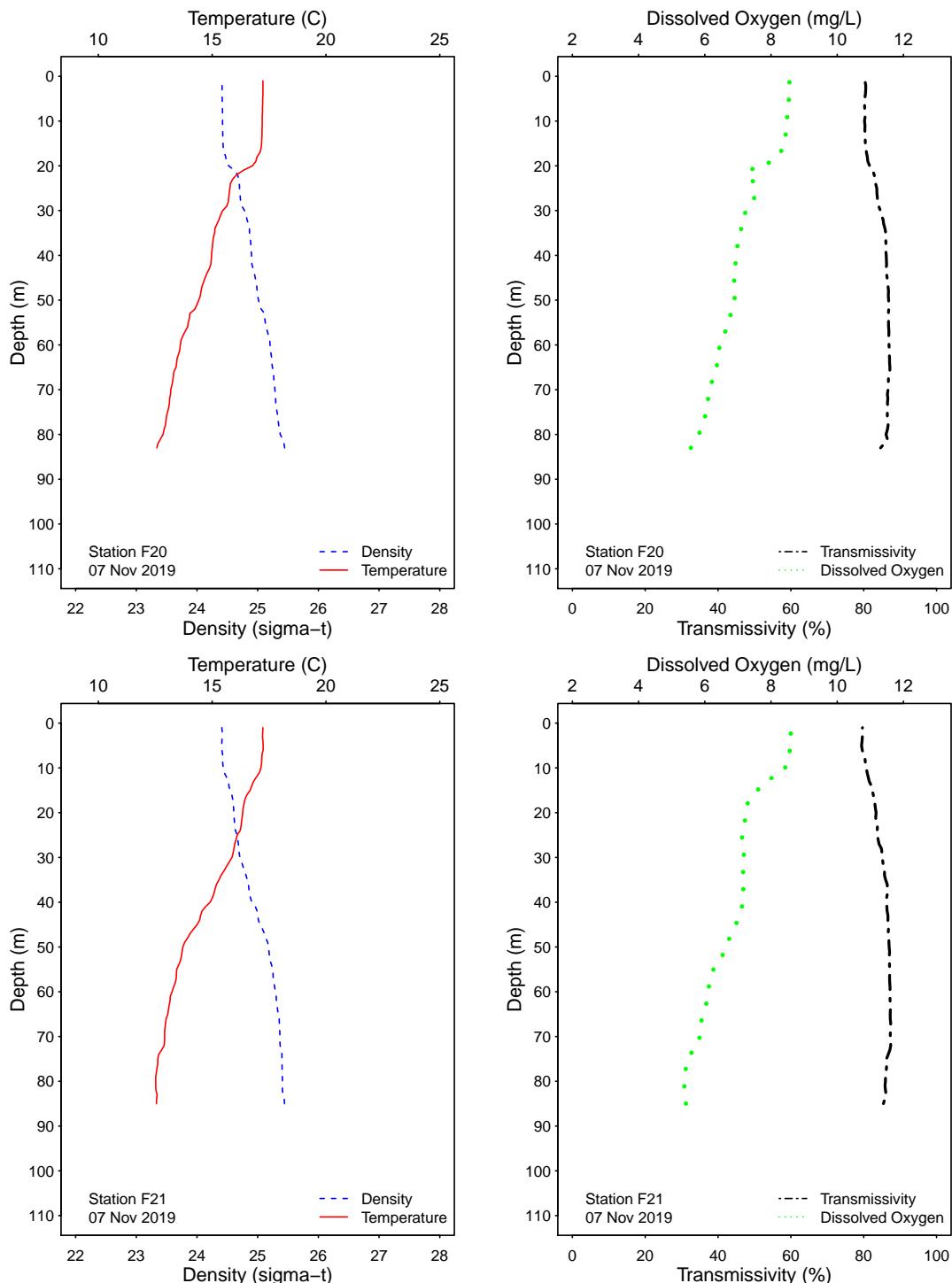


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

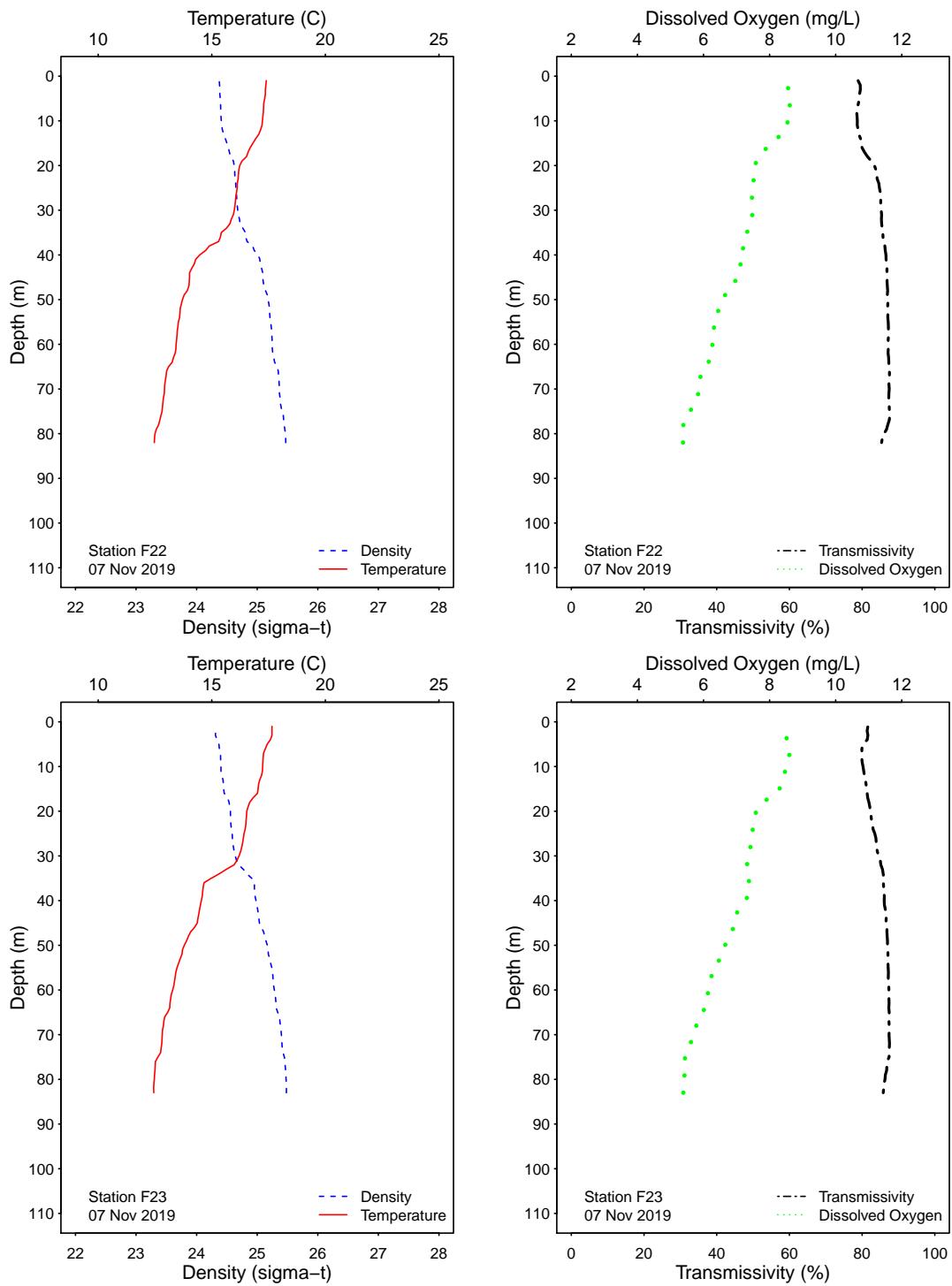


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

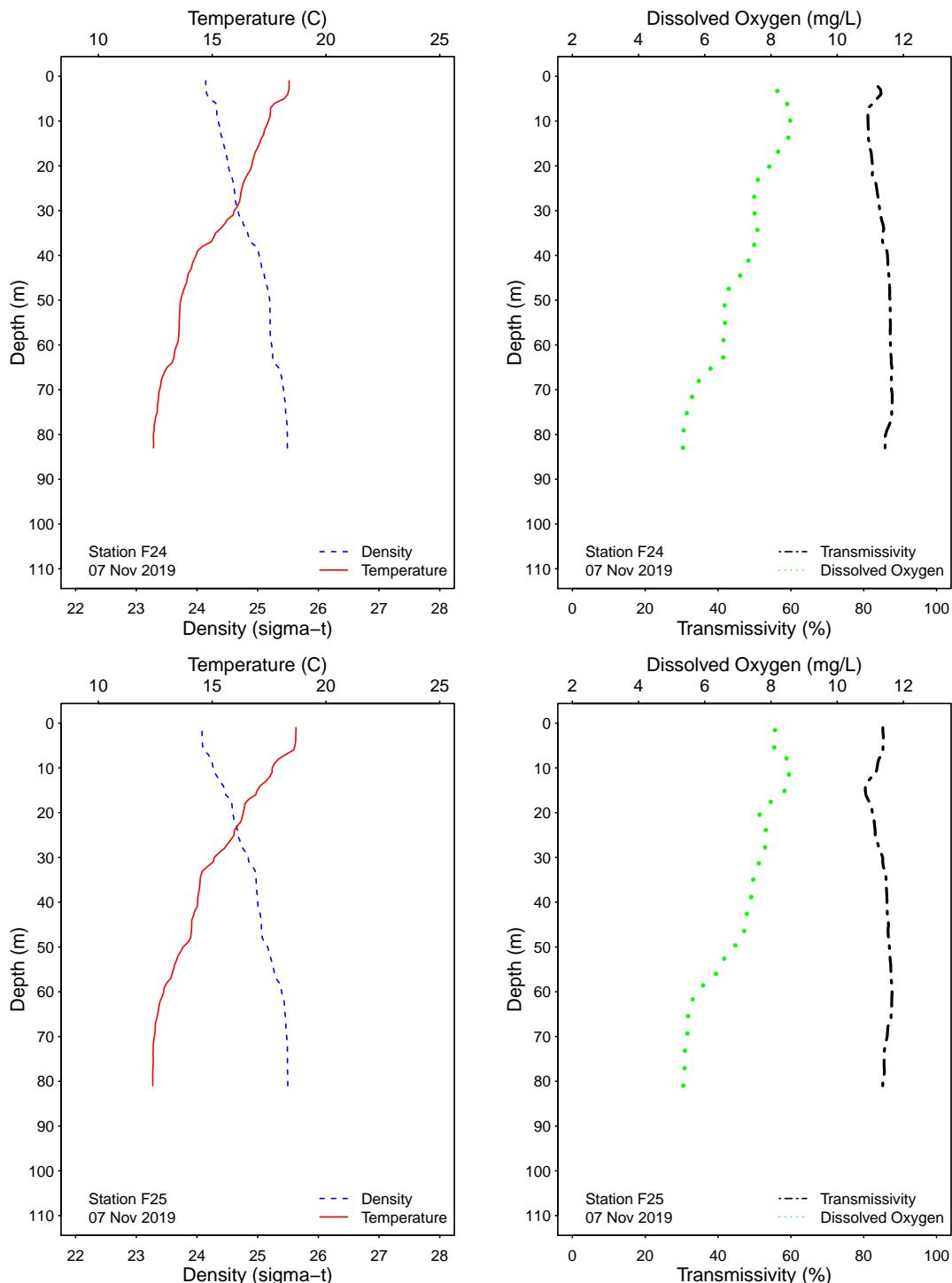


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	04 Nov 2019	18	JT	LAB DUPLICATE	2e	<2	<2
A7	12 Nov 2019	18	JT	LAB DUPLICATE	<2	<2	<20
A7	18 Nov 2019	18	AE	LAB DUPLICATE	<20	4e	2e
A7	25 Nov 2019	18	JF	LAB DUPLICATE	6e	2e	<2
C7	04 Nov 2019	18	JT	LAB DUPLICATE	6e	2e	600
C7	12 Nov 2019	18	JT	LAB DUPLICATE	6e	<2	<2
C7	18 Nov 2019	18	AE	LAB DUPLICATE	<20	2e	2e
C7	25 Nov 2019	18	JT	LAB DUPLICATE	20e	4e	4e
C8	04 Nov 2019	12	JF	LAB DUPLICATE	<2	<2	10e
C8	12 Nov 2019	12	JT	LAB DUPLICATE	<2	2e	<2
C8	18 Nov 2019	12	AE	LAB DUPLICATE	<2	<2	<2
C8	25 Nov 2019	12	JT	LAB DUPLICATE	6e	<2	<2
D12	06 Nov 2019		AR	FIELD DUPLICATE	<2	<2	4e
D12	06 Nov 2019		AR	LAB DUPLICATE	<2	<2	<2
D12	13 Nov 2019		JF	FIELD DUPLICATE	2e	6e	<2
D12	13 Nov 2019		JF	LAB DUPLICATE	4e	<2	<2
D12	20 Nov 2019		AE	FIELD DUPLICATE	ns	ns	ns
D12	20 Nov 2019		AE	LAB DUPLICATE	ns	ns	ns
D12	25 Nov 2019		BS	FIELD DUPLICATE	<200	8e	16e
D12	25 Nov 2019		BS	LAB DUPLICATE	<20	<2	26e
F01	06 Nov 2019	12	JT	LAB DUPLICATE	ns	ns	<2
F02	06 Nov 2019	12	JT	LAB DUPLICATE	ns	ns	<2
F07	06 Nov 2019	60	JF	LAB DUPLICATE	ns	ns	8e
F08	06 Nov 2019	60	JT	LAB DUPLICATE	ns	ns	16e
F11	06 Nov 2019	60	JF	LAB DUPLICATE	ns	ns	8e
F17	07 Nov 2019	80	JT	LAB DUPLICATE	ns	ns	2e
F18	07 Nov 2019	60	JT	LAB DUPLICATE	ns	ns	2e
F19	07 Nov 2019	60	JT	LAB DUPLICATE	ns	ns	<2
F20	07 Nov 2019	60	JT	LAB DUPLICATE	ns	ns	<2
F21	07 Nov 2019	80	JT	LAB DUPLICATE	ns	ns	360e
F28	05 Nov 2019	60	JF	LAB DUPLICATE	ns	ns	<2
F29	05 Nov 2019	60	AE	LAB DUPLICATE	ns	ns	<2
F30	05 Nov 2019	60	AE	LAB DUPLICATE	ns	ns	36e
F31	05 Nov 2019	80	JF	LAB DUPLICATE	ns	ns	70
F32	05 Nov 2019	80	JF	LAB DUPLICATE	ns	ns	94
F34	05 Nov 2019	60	JF	LAB DUPLICATE	ns	ns	580

ns = not sampled

ND = no data

