



# **MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE POINT LOMA OCEAN OUTFALL**

## **POINT LOMA METROPOLITAN WASTEWATER TREATMENT PLANT**

NPDES PERMIT No. CA 0107409  
SDRWQCB Order No. R9-2017-0007

## **NOVEMBER 2017**

Environmental Monitoring and Technical Services  
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**Public Utilities Department**

Environmental Monitoring & Technical Services Division

December 31, 2017

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

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

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

Sincerely,

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

TS/rjg

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



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## 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 monitored at eight shore stations (D4, D5, D7–D12). These stations range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Due to site inaccessibility, station D8 has been temporarily abandoned and replaced with station D8-A. This new location will be sampled until access is restored at the original location. Seawater samples are collected from the surf zone at each station five times during the month. These samples are subsequently transported to the City's Marine Microbiology Laboratory and analyzed for the presence of several types of fecal indicator bacteria (FIBs), 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 four times during the month according to permit specifications in order 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 indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Additional samples for ammonium analysis are collected at these same sites and depths on a quarterly basis in order to correspond to sampling at the offshore stations located within State waters that is typically scheduled during the months of February, May, August and November. 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 primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for ammonium and bacteriological analyses are then drawn from these bottles into sterile sample bottles for processing at the City's Toxicology Laboratory (ammonium) and Marine Microbiology Laboratory (bacteria), respectively. 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 eight scans per second. These scans are then internally averaged to create water column profiles with data readings at a rate of one per meter. The CTD data are presented in both graphical and tabular form. Additionally, data for depths closest to those where bacteriological samples are collected are extracted from the CTD profiles and 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); 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 primarily 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. The CTD profile data are then presented in both graphical and tabular form. Additionally, data for depths closest to those at which bacteriological samples are collected are extracted from the CTD profiles and presented with the bacteriological data.

### ***Bacteriological Reporting and Quality Assurance***

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)<sup>[1]</sup>. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the geometric mean and single sample maximum water-contact standards specified in the 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;

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

(3) *Enterococcus* density shall not exceed 35 CFU/100 mL.

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 exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) 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 2017 Quality Assurance Report, which will be completed in March 2018.

## SUMMARY OF RESULTS

### ***Shore Stations***

- During November, the eight shore stations were in compliance with various California Ocean Plan (Ocean Plan) 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 surfgrass. See the City of San Diego's most recent *Point Loma Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- Nothing of sewage origin was observed at any of the shore stations.

### ***Kelp Bed Stations***

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled four times during the month (i.e. November 9, 14, 20, 29).
- During November, all of the kelp bed stations were in compliance with various water-contact standards specified in the Ocean Plan.
- Water column temperatures ranged from 12.69 to 17.74°C during the month. The difference between surface and bottom waters ranged from 0.16 to 3.41°C, indicating that the water column was stratified at all of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.05 to 2.19 µg/L during November, suggesting the presence of phytoplankton blooms during the month.
- There were no notable visual observations for October.

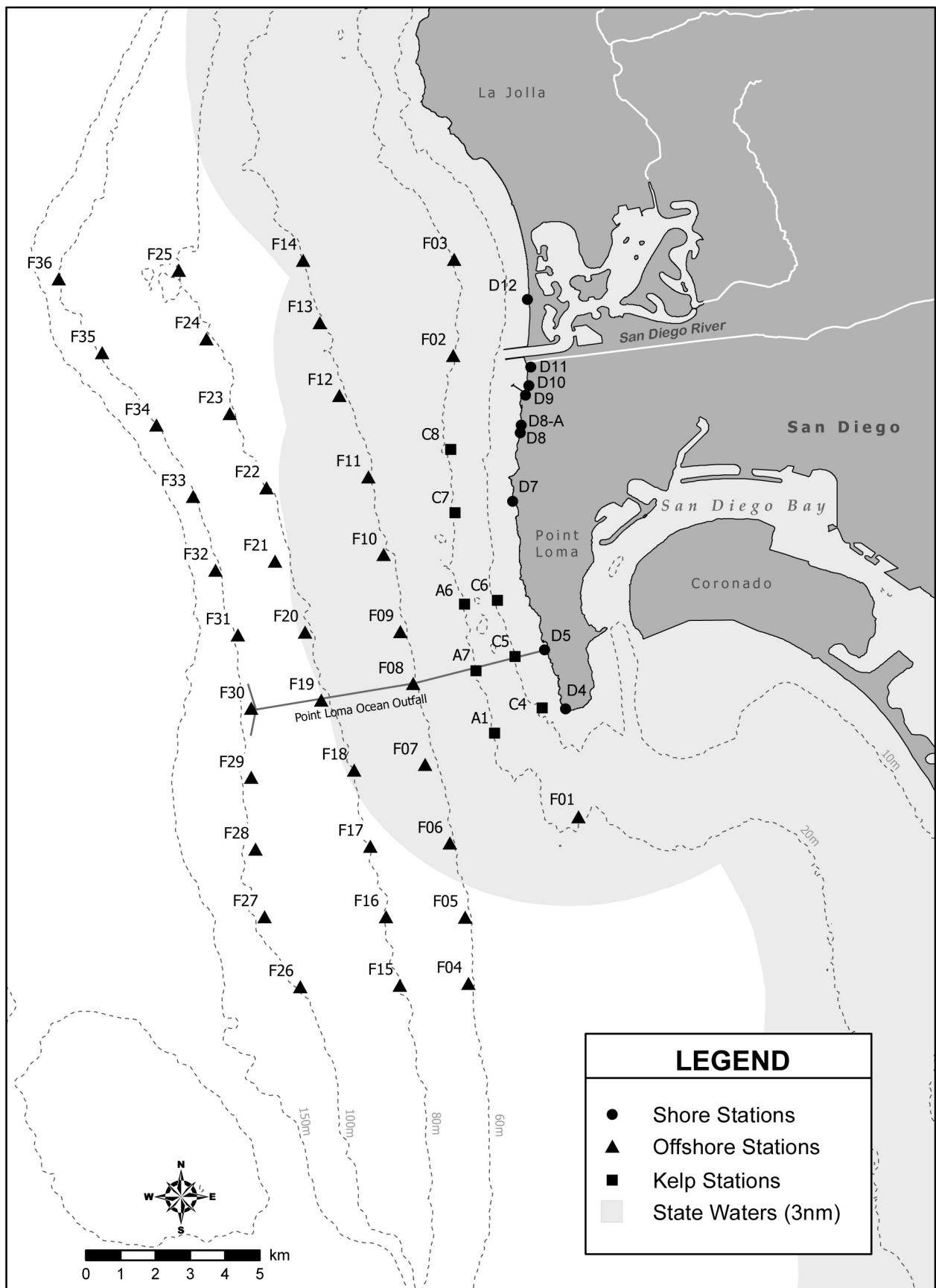
### ***Offshore Stations***

- Quarterly offshore water quality sampling was conducted on November 1, 2, and 3.
- During November, all of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were in compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*.
- All but 2 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F28 and F30, which exceeded the single sample maximum for *Enterococcus* at one or more depths on November 3.
- During the month, water column temperatures ranged from 11.34 to 19.53°C. The difference between surface and bottom waters ranged from 2.22 to 7.96°C, indicating that the water column was stratified at all of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.27 to 3.54 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.



## TABLES AND FIGURES





**Figure 1.1** Station Map



# Shore Stations



**Table 2.1**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	50	32	50	181	32	36	32	139
02 Nov 2017	50	32	50	181	32	36	32	139
03 Nov 2017	63*	36*	63*	176*	36*	42*	36*	63*
04 Nov 2017	63*	36*	63*	176*	36*	42*	36*	63*
05 Nov 2017	63*	36*	63*	176*	36*	42*	36*	63*
06 Nov 2017	63*	36*	63*	176*	36*	42*	36*	63*
07 Nov 2017	63*	36*	63*	176*	36*	42*	36*	63*
08 Nov 2017	50	32	66	207	36	36	32	50
09 Nov 2017	50	32	66	207	36	36	32	50
10 Nov 2017	36*	36*	89*	209*	42*	36*	36*	63*
11 Nov 2017	36*	36*	89*	209*	42*	36*	36*	63*
12 Nov 2017	36*	36*	89*	209*	42*	36*	36*	63*
13 Nov 2017	36*	36*	89*	209*	42*	36*	36*	63*
14 Nov 2017	36*	36*	89*	209*	42*	36*	36*	63*
15 Nov 2017	32	39	66	274	58	50	32	50
16 Nov 2017	32	39	66	274	58	50	32	50
17 Nov 2017	36*	47*	50*	296*	42*	36*	20*	36*
18 Nov 2017	36*	47*	50*	296*	42*	36*	20*	36*
19 Nov 2017	36*	47*	50*	296*	42*	36*	20*	36*
20 Nov 2017	32	39	52	274	42	36	20	32
21 Nov 2017	32	39	52	274	42	36	20	32
22 Nov 2017	32	39	52	274	42	36	20	32
23 Nov 2017	32	39	52	274	42	36	20	32
24 Nov 2017	36*	47*	66*	443*	50*	42*	20*	36*
25 Nov 2017	36*	47*	66*	443*	50*	42*	20*	36*
26 Nov 2017	36*	47*	66*	443*	50*	42*	20*	36*
27 Nov 2017	36*	47*	66*	443*	50*	42*	20*	36*
28 Nov 2017	36*	47*	66*	443*	50*	42*	20*	36*
29 Nov 2017	32	39	38	173	30	35	24	23
30 Nov 2017	32	39	38	173	30	35	24	23

\* Geometric mean calculated using n<5

**Table 2.2**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	2	3	3	3	2	6	6	5
02 Nov 2017	2	3	3	3	2	6	6	5
03 Nov 2017	2*	2*	4*	3*	2*	5*	8*	2*
04 Nov 2017	2*	2*	4*	3*	2*	5*	8*	2*
05 Nov 2017	2*	2*	4*	3*	2*	5*	8*	2*
06 Nov 2017	2*	2*	4*	3*	2*	5*	8*	2*
07 Nov 2017	2*	2*	4*	3*	2*	5*	8*	2*
08 Nov 2017	3	2	7	3	2	5	7	2
09 Nov 2017	3	2	7	3	2	5	7	2
10 Nov 2017	3*	2*	7*	4*	2*	4*	8*	2*
11 Nov 2017	3*	2*	7*	4*	2*	4*	8*	2*
12 Nov 2017	3*	2*	7*	4*	2*	4*	8*	2*
13 Nov 2017	3*	2*	7*	4*	2*	4*	8*	2*
14 Nov 2017	3*	2*	7*	4*	2*	4*	8*	2*
15 Nov 2017	3	3	5	6	2	5	7	2
16 Nov 2017	3	3	5	6	2	5	7	2
17 Nov 2017	3*	3*	7*	8*	2*	6*	6*	2*
18 Nov 2017	3*	3*	7*	8*	2*	6*	6*	2*
19 Nov 2017	3*	3*	7*	8*	2*	6*	6*	2*
20 Nov 2017	3	4	8	9	2	5	5	2
21 Nov 2017	3	4	8	9	2	5	5	2
22 Nov 2017	3	4	8	9	2	5	5	2
23 Nov 2017	3	4	8	9	2	5	5	2
24 Nov 2017	3*	5*	11*	13*	2*	6*	3*	2*
25 Nov 2017	3*	5*	11*	13*	2*	6*	3*	2*
26 Nov 2017	3*	5*	11*	13*	2*	6*	3*	2*
27 Nov 2017	3*	5*	11*	13*	2*	6*	3*	2*
28 Nov 2017	3*	5*	11*	13*	2*	6*	3*	2*
29 Nov 2017	3	4	8	9	2	5	4	2
30 Nov 2017	3	4	8	9	2	5	4	2

\* Geometric mean calculated using n<5

**Table 2.3**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	6	2	3	3	3	6	6	13
02 Nov 2017	6	2	3	3	3	6	6	13
03 Nov 2017	6*	2*	2*	3*	3*	6*	7*	8
04 Nov 2017	6*	2*	2*	3*	3*	6*	7*	8
05 Nov 2017	6*	2*	2*	3*	3*	6*	7*	5*
06 Nov 2017	6*	2*	2*	3*	3*	6*	7*	5*
07 Nov 2017	6*	2*	2*	3*	3*	6*	7*	5*
08 Nov 2017	6	2	5	3	3	5	6	4
09 Nov 2017	6	2	5	3	3	5	6	4
10 Nov 2017	3*	2*	6*	3*	3*	6*	9*	5*
11 Nov 2017	3*	2*	6*	3*	3*	6*	9*	5*
12 Nov 2017	3*	2*	6*	3*	3*	6*	9*	5*
13 Nov 2017	3*	2*	6*	3*	3*	6*	9*	5*
14 Nov 2017	3*	2*	6*	3*	3*	6*	9*	5*
15 Nov 2017	4	2	6	6	3	6	6	4
16 Nov 2017	4	2	6	6	3	6	6	4
17 Nov 2017	5*	2*	7*	8*	2*	4*	4*	3*
18 Nov 2017	5*	2*	7*	8*	2*	4*	4*	3*
19 Nov 2017	5*	2*	7*	8*	2*	4*	4*	3*
20 Nov 2017	5	2	6	10	2	3	4	3
21 Nov 2017	5	2	6	10	2	3	4	3
22 Nov 2017	5	2	6	10	2	3	4	3
23 Nov 2017	5	2	6	10	2	3	4	3
24 Nov 2017	6*	2*	9*	15*	2*	4*	4*	3*
25 Nov 2017	6*	2*	9*	15*	2*	4*	4*	3*
26 Nov 2017	6*	2*	9*	15*	2*	4*	4*	3*
27 Nov 2017	6*	2*	9*	15*	2*	4*	4*	3*
28 Nov 2017	6*	2*	9*	15*	2*	4*	4*	3*
29 Nov 2017	5	2	6	10	2	4	6	3
30 Nov 2017	5	2	6	10	2	4	6	3

\* Geometric mean calculated using n<5

**Table 2.4**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
29 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.5**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
29 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.6**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
29 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.7**

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
20 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC
29 Nov 2017	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.8**

Summary of water quality parameters at the PLOO shore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Enter) are reported as CFU/100 mL. The fecal:total coliform ratio (F:T) is unitless. Comments follow the data summary.

<b>Station</b>	<b>Date</b>	<b>Time</b>	<b>Total</b>	<b>Fecal</b>	<b>Enter</b>	<b>F:T</b>
D4	01 Nov 2017	829	<200	2e	6e	0.01
	08 Nov 2017	935	<20	10e	6e	0.50
	15 Nov 2017	804	<20	2e	8e	0.10
	20 Nov 2017	834	<20	<2	4e	0.10
	29 Nov 2017	1240	<20	<2	4e	0.10
D5	01 Nov 2017	811	200e	<2	<2	0.01
	08 Nov 2017	1002	<20	2e	<2	0.10
	15 Nov 2017	749	60e	8e	4e	0.13
	20 Nov 2017	817	20e	24e	<2	1.20
	29 Nov 2017	1259	<20	<2	<2	0.10
D7	01 Nov 2017	848	<200	6e	4e	0.03
	08 Nov 2017	859	80e	80	84	1.00
	15 Nov 2017	854	<20	2e	4e	0.10
	20 Nov 2017	911	60e	18e	4e	0.30
	29 Nov 2017	1214	4e	<2	2e	0.50
D8-A	01 Nov 2017	915	600e	8e	12e	0.01
	08 Nov 2017	846	400e	8e	2e	0.02
	15 Nov 2017	910	800e	40e	100e	0.05
	20 Nov 2017	942	<200	12e	20e	0.06
	29 Nov 2017	1157	4e	<2	2e	0.50
D9	01 Nov 2017	926	<20	<2	<2	0.10
	08 Nov 2017	824	40e	<2	<2	0.05
	15 Nov 2017	921	<200	2e	2e	0.01
	20 Nov 2017	1001	40e	2e	<2	0.05
	29 Nov 2017	1139	4e	<2	<2	0.50
D10	01 Nov 2017	937	<20	4e	6e	0.20
	08 Nov 2017	801	20e	6e	<2	0.30
	15 Nov 2017	934	<200	20e	8e	0.10
	20 Nov 2017	1016	40e	<2	2e	0.05
	29 Nov 2017	1121	16e	<2	8e	0.12
D11	01 Nov 2017	948	<20	<2	10e	0.10
	08 Nov 2017	743	<20	4e	4e	0.20
	15 Nov 2017	1014	<20	6e	2e	0.30
	20 Nov 2017	1034	<20	<2	4e	0.10
	29 Nov 2017	1108	48	6e	20e	0.12

<b>Station</b>	<b>Date</b>	<b>Time</b>	<b>Total</b>	<b>Fecal</b>	<b>Enterο</b>	<b>F:T</b>
D12	01 Nov 2017	1013	<200	<2	14e	0.01
D12	08 Nov 2017	720	<20	<2	2e	0.10
D12	15 Nov 2017	1044	<20	<2	<2	0.10
D12	20 Nov 2017	1106	<20	<2	<2	0.10
D12	29 Nov 2017	1046	4e	<2	2e	0.50

ns = not sampled

ND = no data

**Table 2.9**

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

Station	Date	Parameter	Value
D4	01 Nov 2017	Arrive Time	829
D4	01 Nov 2017	Weather	Cloudy
D4	01 Nov 2017	Wind Speed (kts)	0.9
D4	01 Nov 2017	Wind Dir	S
D4	01 Nov 2017	Animal Life	None
D4	01 Nov 2017	Floatables	None
D4	01 Nov 2017	Water Color	Green
D4	01 Nov 2017	Current Direction	N
D4	01 Nov 2017	Water Temp (C)	15.1
D4	01 Nov 2017	Wave Height Low (ft)	2
D4	01 Nov 2017	High Tide (ft)	5.5
D4	01 Nov 2017	High Tide Time	744
D4	01 Nov 2017	Low Tide (ft)	0.5
D4	01 Nov 2017	Low Tide Time	1407
D4	01 Nov 2017	Comments	Seagrass; Water clear
D4	08 Nov 2017	Arrive Time	935
D4	08 Nov 2017	Weather	Partly Cloudy
D4	08 Nov 2017	Wind Speed (kts)	1.1
D4	08 Nov 2017	Wind Dir	W
D4	08 Nov 2017	Animal Life	None
D4	08 Nov 2017	Floatables	None
D4	08 Nov 2017	Water Color	Green
D4	08 Nov 2017	Current Direction	W
D4	08 Nov 2017	Water Temp (C)	14.8
D4	08 Nov 2017	Wave Height Low (ft)	1
D4	08 Nov 2017	High Tide (ft)	5.6
D4	08 Nov 2017	High Tide Time	1120
D4	08 Nov 2017	Low Tide (ft)	2.4
D4	08 Nov 2017	Low Tide Time	513
D4	08 Nov 2017	Comments	Kelp; Seagrass; Algae; Water clear
D4	15 Nov 2017	Arrive Time	804
D4	15 Nov 2017	Weather	Cloudy
D4	15 Nov 2017	Wind Speed (kts)	0.5
D4	15 Nov 2017	Wind Dir	W
D4	15 Nov 2017	Animal Life	None
D4	15 Nov 2017	Floatables	None
D4	15 Nov 2017	Water Color	Green
D4	15 Nov 2017	Current Direction	N
D4	15 Nov 2017	Water Temp (C)	13.4
D4	15 Nov 2017	Wave Height Low (ft)	3
D4	15 Nov 2017	High Tide (ft)	5.7
D4	15 Nov 2017	High Tide Time	651
D4	15 Nov 2017	Low Tide (ft)	0.2
D4	15 Nov 2017	Low Tide Time	1330
D4	15 Nov 2017	Comments	Kelp; Seagrass; Algae; Water clear
D4	20 Nov 2017	Arrive Time	834
D4	20 Nov 2017	Weather	Partly Cloudy
D4	20 Nov 2017	Wind Speed (kts)	0.7

Station	Date	Parameter	Value
D4	20 Nov 2017	Wind Dir	N
D4	20 Nov 2017	Animal Life	None
D4	20 Nov 2017	Floatables	None
D4	20 Nov 2017	Water Color	Green
D4	20 Nov 2017	Current Direction	N
D4	20 Nov 2017	Water Temp (C)	12.3
D4	20 Nov 2017	Wave Height Low (ft)	2
D4	20 Nov 2017	High Tide (ft)	5.6
D4	20 Nov 2017	High Tide Time	907
D4	20 Nov 2017	Low Tide (ft)	2
D4	20 Nov 2017	Low Tide Time	301
D4	20 Nov 2017	Comments	Kelp; Seagrass; Algae; Water clear
D4	29 Nov 2017	Arrive Time	1240
D4	29 Nov 2017	Weather	Partly Cloudy
D4	29 Nov 2017	Wind Speed (kts)	3
D4	29 Nov 2017	Wind Dir	W
D4	29 Nov 2017	Animal Life	None
D4	29 Nov 2017	Floatables	None
D4	29 Nov 2017	Water Color	Green
D4	29 Nov 2017	Current Direction	W
D4	29 Nov 2017	Water Temp (C)	18
D4	29 Nov 2017	Wave Height Low (ft)	1
D4	29 Nov 2017	High Tide (ft)	4
D4	29 Nov 2017	High Tide Time	1753
D4	29 Nov 2017	Low Tide (ft)	0.9
D4	29 Nov 2017	Low Tide Time	1209
D4	29 Nov 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D5	01 Nov 2017	Arrive Time	811
D5	01 Nov 2017	Weather	Cloudy
D5	01 Nov 2017	Wind Speed (kts)	1.9
D5	01 Nov 2017	Wind Dir	S
D5	01 Nov 2017	Animal Life	None
D5	01 Nov 2017	Floatables	None
D5	01 Nov 2017	Water Color	Green
D5	01 Nov 2017	Current Direction	N
D5	01 Nov 2017	Water Temp (C)	18.1
D5	01 Nov 2017	Wave Height Low (ft)	2
D5	01 Nov 2017	High Tide (ft)	5.5
D5	01 Nov 2017	High Tide Time	744
D5	01 Nov 2017	Low Tide (ft)	0.5
D5	01 Nov 2017	Low Tide Time	1407
D5	01 Nov 2017	Comments	Water clear
D5	08 Nov 2017	Arrive Time	1002
D5	08 Nov 2017	Weather	Partly Cloudy
D5	08 Nov 2017	Wind Speed (kts)	2.5
D5	08 Nov 2017	Wind Dir	NE
D5	08 Nov 2017	Animal Life	None
D5	08 Nov 2017	Floatables	None
D5	08 Nov 2017	Water Color	Green
D5	08 Nov 2017	Current Direction	NE
D5	08 Nov 2017	Water Temp (C)	16.2
D5	08 Nov 2017	Wave Height Low (ft)	1

Station	Date	Parameter	Value
D5	08 Nov 2017	High Tide (ft)	5.6
D5	08 Nov 2017	High Tide Time	1120
D5	08 Nov 2017	Low Tide (ft)	2.4
D5	08 Nov 2017	Low Tide Time	513
D5	08 Nov 2017	Comments	Kelp; Seagrass; Water clear
D5	15 Nov 2017	Arrive Time	749
D5	15 Nov 2017	Weather	Cloudy
D5	15 Nov 2017	Wind Speed (kts)	0.7
D5	15 Nov 2017	Wind Dir	NW
D5	15 Nov 2017	Animal Life	None
D5	15 Nov 2017	Floatables	None
D5	15 Nov 2017	Water Color	Green
D5	15 Nov 2017	Current Direction	N
D5	15 Nov 2017	Water Temp (C)	15.6
D5	15 Nov 2017	Wave Height Low (ft)	4
D5	15 Nov 2017	High Tide (ft)	5.7
D5	15 Nov 2017	High Tide Time	651
D5	15 Nov 2017	Low Tide (ft)	0.2
D5	15 Nov 2017	Low Tide Time	1330
D5	15 Nov 2017	Comments	Kelp; Seagrass; Algae; Water clear
D5	20 Nov 2017	Arrive Time	817
D5	20 Nov 2017	Weather	Partly Cloudy
D5	20 Nov 2017	Wind Speed (kts)	2.7
D5	20 Nov 2017	Wind Dir	N
D5	20 Nov 2017	Animal Life	None
D5	20 Nov 2017	Floatables	None
D5	20 Nov 2017	Water Color	Green
D5	20 Nov 2017	Current Direction	N
D5	20 Nov 2017	Water Temp (C)	15.4
D5	20 Nov 2017	Wave Height Low (ft)	2
D5	20 Nov 2017	High Tide (ft)	5.6
D5	20 Nov 2017	High Tide Time	907
D5	20 Nov 2017	Low Tide (ft)	2
D5	20 Nov 2017	Low Tide Time	301
D5	20 Nov 2017	Comments	Seagrass; Water clear
D5	29 Nov 2017	Arrive Time	1259
D5	29 Nov 2017	Weather	Partly Cloudy
D5	29 Nov 2017	Wind Speed (kts)	3
D5	29 Nov 2017	Wind Dir	W
D5	29 Nov 2017	Animal Life	None
D5	29 Nov 2017	Floatables	None
D5	29 Nov 2017	Water Color	Green
D5	29 Nov 2017	Current Direction	W
D5	29 Nov 2017	Water Temp (C)	15
D5	29 Nov 2017	Wave Height Low (ft)	1
D5	29 Nov 2017	High Tide (ft)	4
D5	29 Nov 2017	High Tide Time	1753
D5	29 Nov 2017	Low Tide (ft)	0.9
D5	29 Nov 2017	Low Tide Time	1209
D5	29 Nov 2017	Comments	Kelp; Seagrass; Water turbid
D7	01 Nov 2017	Arrive Time	848

Station	Date	Parameter	Value
D7	01 Nov 2017	Weather	Cloudy
D7	01 Nov 2017	Wind Speed (kts)	0.5
D7	01 Nov 2017	Wind Dir	S
D7	01 Nov 2017	Animal Life	None
D7	01 Nov 2017	Floatables	None
D7	01 Nov 2017	Water Color	Colorless
D7	01 Nov 2017	Current Direction	N
D7	01 Nov 2017	Water Temp (C)	16
D7	01 Nov 2017	Wave Height Low (ft)	1
D7	01 Nov 2017	High Tide (ft)	5.5
D7	01 Nov 2017	High Tide Time	744
D7	01 Nov 2017	Low Tide (ft)	0.5
D7	01 Nov 2017	Low Tide Time	1407
D7	01 Nov 2017	Comments	Water clear
D7	08 Nov 2017	Arrive Time	859
D7	08 Nov 2017	Weather	Partly Cloudy
D7	08 Nov 2017	Wind Speed (kts)	1.2
D7	08 Nov 2017	Wind Dir	W
D7	08 Nov 2017	Animal Life	None
D7	08 Nov 2017	Floatables	None
D7	08 Nov 2017	Water Color	Green
D7	08 Nov 2017	Current Direction	W
D7	08 Nov 2017	Water Temp (C)	14
D7	08 Nov 2017	Wave Height Low (ft)	1
D7	08 Nov 2017	High Tide (ft)	5.6
D7	08 Nov 2017	High Tide Time	1120
D7	08 Nov 2017	Low Tide (ft)	2.4
D7	08 Nov 2017	Low Tide Time	513
D7	08 Nov 2017	Comments	Kelp; Seagrass; Algae; 5 Persons; Water clear
D7	15 Nov 2017	Arrive Time	854
D7	15 Nov 2017	Weather	Partly Cloudy
D7	15 Nov 2017	Wind Speed (kts)	1.1
D7	15 Nov 2017	Wind Dir	W
D7	15 Nov 2017	Animal Life	None
D7	15 Nov 2017	Floatables	None
D7	15 Nov 2017	Water Color	Green
D7	15 Nov 2017	Current Direction	N
D7	15 Nov 2017	Water Temp (C)	13.8
D7	15 Nov 2017	Wave Height Low (ft)	4
D7	15 Nov 2017	High Tide (ft)	5.7
D7	15 Nov 2017	High Tide Time	651
D7	15 Nov 2017	Low Tide (ft)	0.2
D7	15 Nov 2017	Low Tide Time	1330
D7	15 Nov 2017	Comments	Kelp; Seagrass; Algae; 12 Persons; Water clear
D7	20 Nov 2017	Arrive Time	911
D7	20 Nov 2017	Weather	Sunny
D7	20 Nov 2017	Wind Speed (kts)	0.1
D7	20 Nov 2017	Wind Dir	N
D7	20 Nov 2017	Animal Life	None
D7	20 Nov 2017	Floatables	None
D7	20 Nov 2017	Water Color	Green
D7	20 Nov 2017	Current Direction	N

Station	Date	Parameter	Value
D7	20 Nov 2017	Water Temp (C)	14.1
D7	20 Nov 2017	Wave Height Low (ft)	1
D7	20 Nov 2017	High Tide (ft)	5.6
D7	20 Nov 2017	High Tide Time	907
D7	20 Nov 2017	Low Tide (ft)	2
D7	20 Nov 2017	Low Tide Time	301
D7	20 Nov 2017	Comments	Seagrass; Algae; 2 Persons; Water clear
D7	29 Nov 2017	Arrive Time	1214
D7	29 Nov 2017	Weather	Partly Cloudy
D7	29 Nov 2017	Wind Speed (kts)	3
D7	29 Nov 2017	Wind Dir	W
D7	29 Nov 2017	Animal Life	None
D7	29 Nov 2017	Floatables	None
D7	29 Nov 2017	Water Color	Green
D7	29 Nov 2017	Current Direction	W
D7	29 Nov 2017	Water Temp (C)	17
D7	29 Nov 2017	Wave Height Low (ft)	2
D7	29 Nov 2017	High Tide (ft)	4
D7	29 Nov 2017	High Tide Time	1753
D7	29 Nov 2017	Low Tide (ft)	0.9
D7	29 Nov 2017	Low Tide Time	1209
D7	29 Nov 2017	Comments	Kelp; Seagrass; 8 Surfers; Water turbid
D8-A	01 Nov 2017	Arrive Time	915
D8-A	01 Nov 2017	Weather	Cloudy
D8-A	01 Nov 2017	Wind Speed (kts)	2.1
D8-A	01 Nov 2017	Wind Dir	S
D8-A	01 Nov 2017	Animal Life	None
D8-A	01 Nov 2017	Floatables	None
D8-A	01 Nov 2017	Water Color	Green
D8-A	01 Nov 2017	Current Direction	N
D8-A	01 Nov 2017	Water Temp (C)	16.8
D8-A	01 Nov 2017	Wave Height Low (ft)	3
D8-A	01 Nov 2017	High Tide (ft)	5.5
D8-A	01 Nov 2017	High Tide Time	744
D8-A	01 Nov 2017	Low Tide (ft)	0.5
D8-A	01 Nov 2017	Low Tide Time	1407
D8-A	01 Nov 2017	Comments	Kelp; Seagrass; Water clear
D8-A	08 Nov 2017	Arrive Time	846
D8-A	08 Nov 2017	Weather	Partly Cloudy
D8-A	08 Nov 2017	Wind Speed (kts)	2.3
D8-A	08 Nov 2017	Wind Dir	NW
D8-A	08 Nov 2017	Animal Life	None
D8-A	08 Nov 2017	Floatables	None
D8-A	08 Nov 2017	Water Color	Green
D8-A	08 Nov 2017	Current Direction	NW
D8-A	08 Nov 2017	Water Temp (C)	14
D8-A	08 Nov 2017	Wave Height Low (ft)	2
D8-A	08 Nov 2017	High Tide (ft)	5.6
D8-A	08 Nov 2017	High Tide Time	1120
D8-A	08 Nov 2017	Low Tide (ft)	2.4
D8-A	08 Nov 2017	Low Tide Time	513
D8-A	08 Nov 2017	Comments	Kelp; Seagrass; Algae; 1 Fisherman; Water clear

Station	Date	Parameter	Value
D8-A	15 Nov 2017	Arrive Time	910
D8-A	15 Nov 2017	Weather	Partly Cloudy
D8-A	15 Nov 2017	Wind Speed (kts)	1.5
D8-A	15 Nov 2017	Wind Dir	W
D8-A	15 Nov 2017	Animal Life	None
D8-A	15 Nov 2017	Floatables	None
D8-A	15 Nov 2017	Water Color	Green
D8-A	15 Nov 2017	Current Direction	N
D8-A	15 Nov 2017	Water Temp (C)	14.2
D8-A	15 Nov 2017	Wave Height Low (ft)	3
D8-A	15 Nov 2017	High Tide (ft)	5.7
D8-A	15 Nov 2017	High Tide Time	651
D8-A	15 Nov 2017	Low Tide (ft)	0.2
D8-A	15 Nov 2017	Low Tide Time	1330
D8-A	15 Nov 2017	Comments	Kelp; Seagrass; Water clear
D8-A	20 Nov 2017	Arrive Time	942
D8-A	20 Nov 2017	Weather	Sunny
D8-A	20 Nov 2017	Wind Speed (kts)	0.7
D8-A	20 Nov 2017	Wind Dir	N
D8-A	20 Nov 2017	Animal Life	2 Dogs
D8-A	20 Nov 2017	Floatables	None
D8-A	20 Nov 2017	Water Color	Green
D8-A	20 Nov 2017	Current Direction	N
D8-A	20 Nov 2017	Water Temp (C)	12
D8-A	20 Nov 2017	Wave Height Low (ft)	2
D8-A	20 Nov 2017	High Tide (ft)	5.6
D8-A	20 Nov 2017	High Tide Time	907
D8-A	20 Nov 2017	Low Tide (ft)	2
D8-A	20 Nov 2017	Low Tide Time	301
D8-A	20 Nov 2017	Comments	Kelp; 1 Person; Water clear
D8-A	29 Nov 2017	Arrive Time	1157
D8-A	29 Nov 2017	Weather	Partly Cloudy
D8-A	29 Nov 2017	Wind Speed (kts)	3
D8-A	29 Nov 2017	Wind Dir	W
D8-A	29 Nov 2017	Animal Life	None
D8-A	29 Nov 2017	Floatables	None
D8-A	29 Nov 2017	Water Color	Green
D8-A	29 Nov 2017	Current Direction	W
D8-A	29 Nov 2017	Water Temp (C)	16
D8-A	29 Nov 2017	Wave Height Low (ft)	1
D8-A	29 Nov 2017	High Tide (ft)	4
D8-A	29 Nov 2017	High Tide Time	1753
D8-A	29 Nov 2017	Low Tide (ft)	0.9
D8-A	29 Nov 2017	Low Tide Time	1209
D8-A	29 Nov 2017	Comments	Kelp; Seagrass; 3 Surfers; Water turbid; Algae
D9	01 Nov 2017	Arrive Time	926
D9	01 Nov 2017	Weather	Cloudy
D9	01 Nov 2017	Wind Speed (kts)	0.8
D9	01 Nov 2017	Wind Dir	S
D9	01 Nov 2017	Animal Life	None
D9	01 Nov 2017	Floatables	None

Station	Date	Parameter	Value
D9	01 Nov 2017	Water Color	Green
D9	01 Nov 2017	Current Direction	N
D9	01 Nov 2017	Water Temp (C)	17.1
D9	01 Nov 2017	Wave Height Low (ft)	1
D9	01 Nov 2017	High Tide (ft)	5.5
D9	01 Nov 2017	High Tide Time	744
D9	01 Nov 2017	Low Tide (ft)	0.5
D9	01 Nov 2017	Low Tide Time	1407
D9	01 Nov 2017	Comments	1 Surfer; Water clear
D9	08 Nov 2017	Arrive Time	824
D9	08 Nov 2017	Weather	Partly Cloudy
D9	08 Nov 2017	Wind Speed (kts)	1.7
D9	08 Nov 2017	Wind Dir	SW
D9	08 Nov 2017	Animal Life	None
D9	08 Nov 2017	Floatables	None
D9	08 Nov 2017	Water Color	Green
D9	08 Nov 2017	Current Direction	SW
D9	08 Nov 2017	Water Temp (C)	13.2
D9	08 Nov 2017	Wave Height Low (ft)	1
D9	08 Nov 2017	High Tide (ft)	5.6
D9	08 Nov 2017	High Tide Time	1120
D9	08 Nov 2017	Low Tide (ft)	2.4
D9	08 Nov 2017	Low Tide Time	513
D9	08 Nov 2017	Comments	Seagrass; Algae; 5 Persons; Water clear
D9	15 Nov 2017	Arrive Time	921
D9	15 Nov 2017	Weather	Partly Cloudy
D9	15 Nov 2017	Wind Speed (kts)	0.5
D9	15 Nov 2017	Wind Dir	W
D9	15 Nov 2017	Animal Life	None
D9	15 Nov 2017	Floatables	None
D9	15 Nov 2017	Water Color	Green
D9	15 Nov 2017	Current Direction	N
D9	15 Nov 2017	Water Temp (C)	13.6
D9	15 Nov 2017	Wave Height Low (ft)	3
D9	15 Nov 2017	High Tide (ft)	5.7
D9	15 Nov 2017	High Tide Time	651
D9	15 Nov 2017	Low Tide (ft)	0.2
D9	15 Nov 2017	Low Tide Time	1330
D9	15 Nov 2017	Comments	Kelp; Seagrass; Algae; 2 Surfers; Water clear
D9	20 Nov 2017	Arrive Time	1001
D9	20 Nov 2017	Weather	Sunny
D9	20 Nov 2017	Wind Speed (kts)	0.3
D9	20 Nov 2017	Wind Dir	N
D9	20 Nov 2017	Animal Life	1 Dog
D9	20 Nov 2017	Floatables	None
D9	20 Nov 2017	Water Color	Green
D9	20 Nov 2017	Current Direction	N
D9	20 Nov 2017	Water Temp (C)	12.1
D9	20 Nov 2017	Wave Height Low (ft)	2
D9	20 Nov 2017	High Tide (ft)	5.6
D9	20 Nov 2017	High Tide Time	907
D9	20 Nov 2017	Low Tide (ft)	-0.1

Station	Date	Parameter	Value
D9	20 Nov 2017	Low Tide Time	1621
D9	20 Nov 2017	Comments	3 Persons; Water clear
D9	29 Nov 2017	Arrive Time	1139
D9	29 Nov 2017	Weather	Partly Cloudy
D9	29 Nov 2017	Wind Speed (kts)	1
D9	29 Nov 2017	Wind Dir	W
D9	29 Nov 2017	Animal Life	None
D9	29 Nov 2017	Floatables	None
D9	29 Nov 2017	Water Color	Green
D9	29 Nov 2017	Current Direction	W
D9	29 Nov 2017	Water Temp (C)	18
D9	29 Nov 2017	Wave Height Low (ft)	3
D9	29 Nov 2017	High Tide (ft)	5.2
D9	29 Nov 2017	High Tide Time	532
D9	29 Nov 2017	Low Tide (ft)	0.9
D9	29 Nov 2017	Low Tide Time	1209
D9	29 Nov 2017	Comments	Kelp; Seagrass; 4 Persons; Water turbid
D10	01 Nov 2017	Arrive Time	937
D10	01 Nov 2017	Weather	Cloudy
D10	01 Nov 2017	Wind Speed (kts)	4.4
D10	01 Nov 2017	Wind Dir	S
D10	01 Nov 2017	Animal Life	None
D10	01 Nov 2017	Floatables	None
D10	01 Nov 2017	Water Color	Green
D10	01 Nov 2017	Current Direction	N
D10	01 Nov 2017	Water Temp (C)	17.1
D10	01 Nov 2017	Wave Height Low (ft)	2
D10	01 Nov 2017	High Tide (ft)	5.5
D10	01 Nov 2017	High Tide Time	744
D10	01 Nov 2017	Low Tide (ft)	0.5
D10	01 Nov 2017	Low Tide Time	1407
D10	01 Nov 2017	Comments	Kelp; 10 Persons; 12 Surfers; Water clear
D10	08 Nov 2017	Arrive Time	801
D10	08 Nov 2017	Weather	Partly Cloudy
D10	08 Nov 2017	Wind Speed (kts)	1.1
D10	08 Nov 2017	Wind Dir	S
D10	08 Nov 2017	Animal Life	None
D10	08 Nov 2017	Floatables	None
D10	08 Nov 2017	Water Color	Green
D10	08 Nov 2017	Current Direction	S
D10	08 Nov 2017	Water Temp (C)	12.4
D10	08 Nov 2017	Wave Height Low (ft)	2
D10	08 Nov 2017	High Tide (ft)	5.6
D10	08 Nov 2017	High Tide Time	1120
D10	08 Nov 2017	Low Tide (ft)	2.4
D10	08 Nov 2017	Low Tide Time	513
D10	08 Nov 2017	Comments	Kelp; Seagrass; 2 Persons; 8 Surfers; Water clear
D10	15 Nov 2017	Arrive Time	934
D10	15 Nov 2017	Weather	Partly Cloudy
D10	15 Nov 2017	Wind Speed (kts)	2.3
D10	15 Nov 2017	Wind Dir	W

Station	Date	Parameter	Value
D10	15 Nov 2017	Animal Life	None
D10	15 Nov 2017	Floatables	None
D10	15 Nov 2017	Water Color	Green
D10	15 Nov 2017	Current Direction	N
D10	15 Nov 2017	Water Temp (C)	13.4
D10	15 Nov 2017	Wave Height Low (ft)	3
D10	15 Nov 2017	High Tide (ft)	5.7
D10	15 Nov 2017	High Tide Time	651
D10	15 Nov 2017	Low Tide (ft)	0.2
D10	15 Nov 2017	Low Tide Time	1330
D10	15 Nov 2017	Comments	Kelp; Seagrass; 3 Persons; 4 Surfers; 1 Swimmer; Water clear
D10	20 Nov 2017	Arrive Time	1016
D10	20 Nov 2017	Weather	Sunny
D10	20 Nov 2017	Wind Speed (kts)	2.5
D10	20 Nov 2017	Wind Dir	N
D10	20 Nov 2017	Animal Life	None
D10	20 Nov 2017	Floatables	None
D10	20 Nov 2017	Water Color	Green
D10	20 Nov 2017	Current Direction	N
D10	20 Nov 2017	Water Temp (C)	14
D10	20 Nov 2017	Wave Height Low (ft)	2
D10	20 Nov 2017	High Tide (ft)	5.6
D10	20 Nov 2017	High Tide Time	907
D10	20 Nov 2017	Low Tide (ft)	-0.1
D10	20 Nov 2017	Low Tide Time	1621
D10	20 Nov 2017	Comments	Kelp; Seagrass; 31 Persons; 9 Surfers; 3 Swimmers; Water clear
D10	29 Nov 2017	Arrive Time	1121
D10	29 Nov 2017	Weather	Partly Cloudy
D10	29 Nov 2017	Wind Speed (kts)	1
D10	29 Nov 2017	Wind Dir	W
D10	29 Nov 2017	Animal Life	None
D10	29 Nov 2017	Floatables	None
D10	29 Nov 2017	Water Color	Green
D10	29 Nov 2017	Current Direction	W
D10	29 Nov 2017	Water Temp (C)	16
D10	29 Nov 2017	Wave Height Low (ft)	3
D10	29 Nov 2017	High Tide (ft)	5.2
D10	29 Nov 2017	High Tide Time	532
D10	29 Nov 2017	Low Tide (ft)	0.9
D10	29 Nov 2017	Low Tide Time	1209
D10	29 Nov 2017	Comments	Kelp; Seagrass; 3 Swimmers; Water turbid
D11	01 Nov 2017	Arrive Time	948
D11	01 Nov 2017	Weather	Cloudy
D11	01 Nov 2017	Wind Speed (kts)	3.6
D11	01 Nov 2017	Wind Dir	S
D11	01 Nov 2017	Animal Life	1 Dog
D11	01 Nov 2017	Floatables	None
D11	01 Nov 2017	Water Color	Green
D11	01 Nov 2017	Current Direction	N
D11	01 Nov 2017	Water Temp (C)	16.6
D11	01 Nov 2017	Wave Height Low (ft)	2
D11	01 Nov 2017	High Tide (ft)	5.5

Station	Date	Parameter	Value
D11	01 Nov 2017	High Tide Time	744
D11	01 Nov 2017	Low Tide (ft)	0.5
D11	01 Nov 2017	Low Tide Time	1407
D11	01 Nov 2017	Comments	Kelp; 3 Persons; Water clear
D11	08 Nov 2017	Arrive Time	743
D11	08 Nov 2017	Weather	Partly Cloudy
D11	08 Nov 2017	Wind Speed (kts)	2.4
D11	08 Nov 2017	Wind Dir	SE
D11	08 Nov 2017	Animal Life	2 Dogs
D11	08 Nov 2017	Floatables	None
D11	08 Nov 2017	Water Color	Green
D11	08 Nov 2017	Current Direction	SE
D11	08 Nov 2017	Water Temp (C)	12.7
D11	08 Nov 2017	Wave Height Low (ft)	2
D11	08 Nov 2017	High Tide (ft)	5.6
D11	08 Nov 2017	High Tide Time	1120
D11	08 Nov 2017	Low Tide (ft)	2.4
D11	08 Nov 2017	Low Tide Time	513
D11	08 Nov 2017	Comments	Seagrass; 2 Joggers; 3 Persons; Water clear
D11	15 Nov 2017	Arrive Time	1014
D11	15 Nov 2017	Weather	Partly Cloudy
D11	15 Nov 2017	Wind Speed (kts)	3.4
D11	15 Nov 2017	Wind Dir	W
D11	15 Nov 2017	Animal Life	None
D11	15 Nov 2017	Floatables	None
D11	15 Nov 2017	Water Color	Green
D11	15 Nov 2017	Current Direction	N
D11	15 Nov 2017	Water Temp (C)	13.8
D11	15 Nov 2017	Wave Height Low (ft)	4
D11	15 Nov 2017	High Tide (ft)	5.7
D11	15 Nov 2017	High Tide Time	651
D11	15 Nov 2017	Low Tide (ft)	0.2
D11	15 Nov 2017	Low Tide Time	1330
D11	15 Nov 2017	Comments	Kelp; Seagrass; 1 Person; 8 Surfers; Water clear
D11	20 Nov 2017	Arrive Time	1034
D11	20 Nov 2017	Weather	Sunny
D11	20 Nov 2017	Wind Speed (kts)	0.5
D11	20 Nov 2017	Wind Dir	N
D11	20 Nov 2017	Animal Life	None
D11	20 Nov 2017	Floatables	None
D11	20 Nov 2017	Water Color	Green
D11	20 Nov 2017	Current Direction	N
D11	20 Nov 2017	Water Temp (C)	14.8
D11	20 Nov 2017	Wave Height Low (ft)	2
D11	20 Nov 2017	High Tide (ft)	5.6
D11	20 Nov 2017	High Tide Time	907
D11	20 Nov 2017	Low Tide (ft)	-0.1
D11	20 Nov 2017	Low Tide Time	1621
D11	20 Nov 2017	Comments	Kelp; 29 Persons; 5 Surfers; Water clear
D11	29 Nov 2017	Arrive Time	1108
D11	29 Nov 2017	Weather	Partly Cloudy

Station	Date	Parameter	Value
D11	29 Nov 2017	Wind Speed (kts)	1
D11	29 Nov 2017	Wind Dir	W
D11	29 Nov 2017	Animal Life	None
D11	29 Nov 2017	Floatables	None
D11	29 Nov 2017	Water Color	Green
D11	29 Nov 2017	Current Direction	W
D11	29 Nov 2017	Water Temp (C)	17
D11	29 Nov 2017	Wave Height Low (ft)	3
D11	29 Nov 2017	High Tide (ft)	5.2
D11	29 Nov 2017	High Tide Time	532
D11	29 Nov 2017	Low Tide (ft)	0.9
D11	29 Nov 2017	Low Tide Time	1209
D11	29 Nov 2017	Comments	Kelp; Seagrass; 3 Surfers; Water turbid
D12	01 Nov 2017	Arrive Time	1013
D12	01 Nov 2017	Weather	Cloudy
D12	01 Nov 2017	Wind Speed (kts)	3.6
D12	01 Nov 2017	Wind Dir	S
D12	01 Nov 2017	Animal Life	None
D12	01 Nov 2017	Floatables	None
D12	01 Nov 2017	Water Color	Green
D12	01 Nov 2017	Current Direction	N
D12	01 Nov 2017	Water Temp (C)	16.2
D12	01 Nov 2017	Wave Height Low (ft)	2
D12	01 Nov 2017	High Tide (ft)	5.5
D12	01 Nov 2017	High Tide Time	744
D12	01 Nov 2017	Low Tide (ft)	0.5
D12	01 Nov 2017	Low Tide Time	1407
D12	01 Nov 2017	Comments	3 Persons; 3 Surfers
D12	08 Nov 2017	Arrive Time	720
D12	08 Nov 2017	Weather	Partly Cloudy
D12	08 Nov 2017	Wind Speed (kts)	0.1
D12	08 Nov 2017	Wind Dir	N
D12	08 Nov 2017	Animal Life	None
D12	08 Nov 2017	Floatables	None
D12	08 Nov 2017	Water Color	Green
D12	08 Nov 2017	Current Direction	N
D12	08 Nov 2017	Water Temp (C)	13.6
D12	08 Nov 2017	Wave Height Low (ft)	1
D12	08 Nov 2017	High Tide (ft)	5.6
D12	08 Nov 2017	High Tide Time	1120
D12	08 Nov 2017	Low Tide (ft)	2.4
D12	08 Nov 2017	Low Tide Time	513
D12	08 Nov 2017	Comments	Seagrass; 3 Joggers; 1 Person; Water clear
D12	15 Nov 2017	Arrive Time	1044
D12	15 Nov 2017	Weather	Partly Cloudy
D12	15 Nov 2017	Wind Speed (kts)	3
D12	15 Nov 2017	Wind Dir	W
D12	15 Nov 2017	Animal Life	None
D12	15 Nov 2017	Floatables	None
D12	15 Nov 2017	Water Color	Green
D12	15 Nov 2017	Current Direction	N
D12	15 Nov 2017	Water Temp (C)	13.6

Station	Date	Parameter	Value
D12	15 Nov 2017	Wave Height Low (ft)	3
D12	15 Nov 2017	High Tide (ft)	5.7
D12	15 Nov 2017	High Tide Time	651
D12	15 Nov 2017	Low Tide (ft)	0.2
D12	15 Nov 2017	Low Tide Time	1330
D12	15 Nov 2017	Comments	Kelp; Seagrass; 6 Persons; 8 Swimmers; Water clear
D12	20 Nov 2017	Arrive Time	1106
D12	20 Nov 2017	Weather	Sunny
D12	20 Nov 2017	Wind Speed (kts)	4.8
D12	20 Nov 2017	Wind Dir	N
D12	20 Nov 2017	Animal Life	None
D12	20 Nov 2017	Floatables	None
D12	20 Nov 2017	Water Color	Green
D12	20 Nov 2017	Current Direction	N
D12	20 Nov 2017	Water Temp (C)	13
D12	20 Nov 2017	Wave Height Low (ft)	2
D12	20 Nov 2017	High Tide (ft)	5.6
D12	20 Nov 2017	High Tide Time	907
D12	20 Nov 2017	Low Tide (ft)	-0.1
D12	20 Nov 2017	Low Tide Time	1621
D12	20 Nov 2017	Comments	Kelp; 22 Persons; 3 Surfers; Water clear
D12	29 Nov 2017	Arrive Time	1046
D12	29 Nov 2017	Weather	Partly Cloudy
D12	29 Nov 2017	Wind Speed (kts)	1
D12	29 Nov 2017	Wind Dir	W
D12	29 Nov 2017	Animal Life	None
D12	29 Nov 2017	Floatables	None
D12	29 Nov 2017	Water Color	Blue
D12	29 Nov 2017	Current Direction	W
D12	29 Nov 2017	Water Temp (C)	16
D12	29 Nov 2017	Wave Height Low (ft)	3
D12	29 Nov 2017	High Tide (ft)	5.2
D12	29 Nov 2017	High Tide Time	532
D12	29 Nov 2017	Low Tide (ft)	0.9
D12	29 Nov 2017	Low Tide Time	1209
D12	29 Nov 2017	Comments	Kelp; Seagrass; Water turbid

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# Kelp Stations

**Table 3.1**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
02 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
03 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
04 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
05 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
06 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
07 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
08 Nov 2017	4*	7*	8*	3*	6*	2*	3*	2*
09 Nov 2017	4*	6*	7*	2*	3*	2*	3*	3*
10 Nov 2017	4*	6*	7*	2*	3*	2*	3*	3*
11 Nov 2017	4*	6*	7*	2*	3*	2*	3*	3*
12 Nov 2017	4*	6*	7*	2*	3*	2*	3*	3*
13 Nov 2017	4*	6*	7*	2*	3*	2*	3*	3*
14 Nov 2017	4	7	7	3	3	2	5	4
15 Nov 2017	4	7	7	3	3	2	5	4
16 Nov 2017	3*	6*	6*	3*	3*	2*	4*	4*
17 Nov 2017	3*	6*	6*	3*	3*	2*	4*	4*
18 Nov 2017	3*	6*	6*	3*	3*	2*	4*	4*
19 Nov 2017	3*	6*	6*	3*	3*	2*	4*	4*
20 Nov 2017	2	5	5	3	3	2	4	3
21 Nov 2017	2	5	5	3	3	2	4	3
22 Nov 2017	2	5	5	3	3	2	4	3
23 Nov 2017	2	5	5	3	3	2	4	3
24 Nov 2017	2	5	5	3	3	2	4	3
25 Nov 2017	2*	4*	4*	3*	3*	2*	4*	4*
26 Nov 2017	2*	4*	4*	3*	3*	2*	4*	4*
27 Nov 2017	2*	4*	4*	3*	3*	2*	4*	4*
28 Nov 2017	2*	4*	4*	3*	3*	2*	4*	4*
29 Nov 2017	3*	5*	4*	5*	4*	3*	4*	3*
30 Nov 2017	3*	5*	4*	5*	4*	3*	4*	3*

\* Geometric mean calculated using n<5

**Table 3.2**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
02 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
03 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
04 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
05 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
06 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
07 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
08 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
09 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
10 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
11 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
12 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
13 Nov 2017	2*	2*	3*	2*	2*	2*	2*	2*
14 Nov 2017	2	2	2	2	2	2	2	2
15 Nov 2017	2	2	2	2	2	2	2	2
16 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
17 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
18 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
19 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
20 Nov 2017	2	2	2	2	2	2	2	2
21 Nov 2017	2	2	2	2	2	2	2	2
22 Nov 2017	2	2	2	2	2	2	2	2
23 Nov 2017	2	2	2	2	2	2	2	2
24 Nov 2017	2	2	2	2	2	2	2	2
25 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
26 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
27 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
28 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
29 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
30 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*

\* Geometric mean calculated using n<5

**Table 3.3**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
02 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
03 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
04 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
05 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
06 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
07 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
08 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
09 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
10 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
11 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
12 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
13 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
14 Nov 2017	2	2	2	2	2	2	2	2
15 Nov 2017	2	2	2	2	2	2	2	2
16 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
17 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
18 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
19 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
20 Nov 2017	2	2	2	2	2	2	2	2
21 Nov 2017	2	2	2	2	2	2	2	2
22 Nov 2017	2	2	2	2	2	2	2	2
23 Nov 2017	2	2	2	2	2	2	2	2
24 Nov 2017	2	2	2	2	2	2	2	2
25 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
26 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
27 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
28 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
29 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*
30 Nov 2017	2*	2*	2*	2*	2*	2*	2*	2*

\* Geometric mean calculated using n<5

**Table 3.4**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
09 Nov 2017	IC							
14 Nov 2017	IC							
20 Nov 2017	IC							
29 Nov 2017	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
09 Nov 2017	IC							
14 Nov 2017	IC							
20 Nov 2017	IC							
29 Nov 2017	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
09 Nov 2017	IC							
14 Nov 2017	IC							
20 Nov 2017	IC							
29 Nov 2017	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
09 Nov 2017	IC							
14 Nov 2017	IC							
20 Nov 2017	IC							
29 Nov 2017	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.8**

Summary of water quality parameters at the PLOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; values for temperature (Temp, °C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
A1	09 Nov 2017	752	1	<2	<2	<2	1.00	17.0	80.62	7.5	33.43	8.1
A1	09 Nov 2017	752	12	4e	2e	<2	0.50	15.0	86.33	6.6	33.39	8.0
A1	09 Nov 2017	752	18	2e	<2	6e	1.00	14.4	86.85	6.4	33.39	8.0
A1	14 Nov 2017	747	1	<2	<2	<2	1.00	15.6	85.57	7.5	33.40	8.0
A1	14 Nov 2017	747	12	<2	<2	<2	1.00	14.5	87.45	7.2	33.38	8.0
A1	14 Nov 2017	747	18	6e	2e	<2	0.33	13.5	87.22	6.2	33.42	8.0
A1	20 Nov 2017	803	1	<2	<2	<2	1.00	15.6	87.52	8.1	33.39	8.0
A1	20 Nov 2017	803	12	<2	<2	<2	1.00	14.8	88.22	7.5	33.39	8.0
A1	20 Nov 2017	803	18	<2	<2	<2	1.00	13.6	89.11	6.6	33.40	7.9
A1	29 Nov 2017	754	1	<2	<2	4e	1.00	15.7	89.61	8.2	33.41	8.0
A1	29 Nov 2017	754	12	<2	<2	<2	1.00	15.6	89.53	8.2	33.40	8.0
A1	29 Nov 2017	754	18	4e	<2	<2	0.50	15.3	79.38	7.8	33.40	8.0
C4	09 Nov 2017	924	1	<2	<2	<2	1.00	17.1	80.35	7.2	33.44	8.0
C4	09 Nov 2017	924	3	<2	<2	<2	1.00	17.0	80.45	7.2	33.44	8.0
C4	09 Nov 2017	924	9	2e	<2	<2	1.00	16.2	84.55	7.2	33.43	8.1
C4	14 Nov 2017	908	1	<20	2e	<2	0.10	14.6	77.98	6.5	33.37	8.0
C4	14 Nov 2017	908	3	<2	<2	<2	1.00	16.0	64.71	7.0	33.42	8.0
C4	14 Nov 2017	908	9	<2	<2	<2	1.00	14.8	80.12	6.6	33.41	8.0
C4	20 Nov 2017	933	1	<2	<2	<2	1.00	14.1	75.36	6.8	33.40	8.0
C4	20 Nov 2017	933	3	<2	<2	<2	1.00	15.2	86.65	8.0	33.39	8.1
C4	20 Nov 2017	933	9	<2	<2	<2	1.00	15.0	86.71	8.2	33.39	8.1
C4	29 Nov 2017	933	1	<20	2e	<2	0.10	15.8	23.46	7.9	33.42	8.0
C4	29 Nov 2017	933	3	<20	<2	4e	0.10	15.8	22.50	7.9	33.42	8.0
C4	29 Nov 2017	933	9	<20	4e	<2	0.20	15.6	22.17	7.2	33.42	8.0
C5	09 Nov 2017	913	1	<2	<2	<2	1.00	17.7	79.95	6.8	33.45	8.0
C5	09 Nov 2017	913	3	<2	<2	<2	1.00	17.4	80.79	6.7	33.46	8.0
C5	09 Nov 2017	913	9	<2	<2	<2	1.00	15.5	85.12	5.7	33.40	8.0
C5	14 Nov 2017	859	1	<2	<2	<2	1.00	16.2	75.51	7.1	33.42	8.0
C5	14 Nov 2017	859	3	<2	<2	<2	1.00	16.2	68.95	7.1	33.42	8.0
C5	14 Nov 2017	859	9	2e	<2	2e	1.00	15.3	81.00	6.3	33.50	8.0
C5	20 Nov 2017	918	1	<2	<2	<2	1.00	15.3	85.04	8.0	33.40	8.1
C5	20 Nov 2017	918	3	<2	<2	<2	1.00	15.3	85.26	8.0	33.40	8.1
C5	20 Nov 2017	918	9	<2	<2	<2	1.00	14.9	86.81	7.5	33.40	8.1
C5	29 Nov 2017	917	1	<20	<2	<2	0.10	15.9	40.96	7.5	33.42	8.0
C5	29 Nov 2017	917	3	<20	<2	<2	0.10	15.9	44.97	7.4	33.42	8.0
C5	29 Nov 2017	917	9	<20	<2	<2	0.10	15.5	54.30	6.8	33.41	8.0

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
A6	09 Nov 2017	817	1	<2	<2	<2	1.00	17.4	85.26	7.8	33.44	8.1
A6	09 Nov 2017	817	12	8e	<2	<2	0.25	14.6	87.43	6.5	33.40	8.0
A6	09 Nov 2017	817	18	10e	<2	<2	0.20	14.0	87.63	6.3	33.38	8.0
A6	14 Nov 2017	810	1	2e	<2	<2	1.00	15.9	84.20	7.8	33.40	8.1
A6	14 Nov 2017	810	12	2e	<2	<2	1.00	14.9	86.56	7.0	33.41	8.0
A6	14 Nov 2017	810	18	34e	<2	<2	0.06	13.6	87.13	6.2	33.43	8.0
A6	20 Nov 2017	825	1	<2	<2	<2	1.00	15.0	87.12	7.8	33.38	8.1
A6	20 Nov 2017	825	12	<2	<2	<2	1.00	13.9	88.07	6.9	33.39	8.0
A6	20 Nov 2017	825	18	<2	<2	<2	1.00	13.4	88.15	6.4	33.41	8.0
A6	29 Nov 2017	819	1	2e	<2	<2	1.00	16.6	85.38	8.0	33.45	8.1
A6	29 Nov 2017	819	12	4e	<2	<2	0.50	15.9	81.49	7.9	33.42	8.1
A6	29 Nov 2017	819	18	2e	<2	<2	1.00	15.3	78.76	7.5	33.41	8.0
C6	09 Nov 2017	902	1	2e	<2	<2	1.00	17.5	82.42	7.5	33.44	8.1
C6	09 Nov 2017	902	3	2e	<2	<2	1.00	17.4	82.94	7.4	33.45	8.1
C6	09 Nov 2017	902	9	<2	<2	4e	1.00	16.3	85.29	6.4	33.54	8.0
C6	14 Nov 2017	848	1	<2	<2	<2	1.00	16.2	74.42	7.4	33.41	8.0
C6	14 Nov 2017	848	3	<2	<2	<2	1.00	16.1	75.00	7.4	33.41	8.0
C6	14 Nov 2017	848	9	<2	<2	<2	1.00	14.7	84.86	6.5	33.49	8.0
C6	20 Nov 2017	908	1	<2	<2	<2	1.00	15.6	83.13	8.0	33.42	8.1
C6	20 Nov 2017	908	3	2e	<2	<2	1.00	15.6	83.73	8.0	33.42	8.1
C6	20 Nov 2017	908	9	<2	<2	<2	1.00	14.7	85.22	7.1	33.42	8.0
C6	29 Nov 2017	907	1	<20	<2	<2	0.10	15.9	60.67	7.7	33.42	8.0
C6	29 Nov 2017	907	3	<20	2e	<2	0.10	15.9	57.97	7.6	33.42	8.0
C6	29 Nov 2017	907	9	<2	<2	<2	1.00	15.7	25.57	7.2	33.41	8.0
A7	09 Nov 2017	831	1	<2	<2	<2	1.00	17.1	85.20	7.4	33.43	8.1
A7	09 Nov 2017	831	12	8e	<2	<2	0.25	14.6	87.36	6.6	33.39	8.0
A7	09 Nov 2017	831	18	4e	<2	<2	0.50	14.0	87.84	6.4	33.39	8.0
A7	14 Nov 2017	759	1	<2	<2	2e	1.00	16.0	81.86	7.6	33.41	8.0
A7	14 Nov 2017	759	12	10e	<2	<2	0.20	14.1	87.21	6.7	33.39	8.0
A7	14 Nov 2017	759	18	22e	2e	<2	0.09	13.4	87.90	6.3	33.41	8.0
A7	20 Nov 2017	814	1	<2	<2	<2	1.00	15.0	87.18	7.8	33.38	8.0
A7	20 Nov 2017	814	12	<2	2e	<2	1.00	14.0	88.05	6.8	33.40	8.0
A7	20 Nov 2017	814	18	2e	<2	<2	1.00	13.6	88.50	6.4	33.41	8.0
A7	29 Nov 2017	806	1	2e	<2	<2	1.00	15.8	77.15	7.8	33.42	8.0
A7	29 Nov 2017	806	12	<2	<2	2e	1.00	15.5	72.88	7.9	33.42	8.0
A7	29 Nov 2017	806	18	<2	<2	<2	1.00	15.5	73.95	7.6	33.42	8.0
C7	09 Nov 2017	831	1	<2	<2	<2	1.00	17.5	86.02	7.8	33.44	8.1
C7	09 Nov 2017	831	12	2e	<2	<2	1.00	15.3	86.75	7.3	33.37	8.1
C7	09 Nov 2017	831	18	<2	<2	<2	1.00	14.1	88.48	6.5	33.42	8.0
C7	14 Nov 2017	822	1	<2	<2	<2	1.00	15.7	82.27	7.6	33.40	8.1
C7	14 Nov 2017	822	12	10e	<2	<2	0.20	13.6	87.23	6.2	33.40	8.0

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C7	14 Nov 2017	822	18	56	2e	<2	0.04	12.8	87.22	5.5	33.44	7.9
C7	20 Nov 2017	838	1	<2	<2	<2	1.00	14.7	88.21	7.4	33.39	8.0
C7	20 Nov 2017	838	12	6e	<2	<2	0.33	13.8	88.61	6.7	33.40	8.0
C7	20 Nov 2017	838	18	4e	<2	<2	0.50	13.5	88.72	6.4	33.41	8.0
C7	29 Nov 2017	832	1	<2	<2	<2	1.00	17.5	85.99	8.0	33.48	8.1
C7	29 Nov 2017	832	12	2e	<2	<2	1.00	16.3	74.39	8.1	33.43	8.1
C7	29 Nov 2017	832	18	2e	<2	<2	1.00	15.1	74.60	7.5	33.41	8.0
C8	09 Nov 2017	842	1	<2	<2	<2	1.00	17.4	85.72	7.8	33.44	8.1
C8	09 Nov 2017	842	12	2e	2e	<2	1.00	14.7	88.06	7.1	33.36	8.0
C8	09 Nov 2017	842	18	4e	<2	<2	0.50	14.4	88.23	6.7	33.38	8.0
C8	14 Nov 2017	832	1	<2	<2	<2	1.00	15.5	81.36	7.5	33.39	8.0
C8	14 Nov 2017	832	12	8e	<2	<2	0.25	13.7	86.39	6.3	33.39	8.0
C8	14 Nov 2017	832	18	26e	<2	4e	0.08	12.7	87.31	5.4	33.44	7.9
C8	20 Nov 2017	850	1	<2	<2	<2	1.00	13.4	88.24	6.5	33.40	8.0
C8	20 Nov 2017	850	12	<2	<2	<2	1.00	14.3	87.91	7.2	33.39	8.0
C8	20 Nov 2017	850	18	2e	<2	<2	1.00	13.7	88.12	6.7	33.41	8.0
C8	29 Nov 2017	845	1	<2	<2	<2	1.00	17.4	87.29	8.2	33.48	8.1
C8	29 Nov 2017	845	12	<2	<2	<2	1.00	16.9	88.43	8.1	33.47	8.1
C8	29 Nov 2017	845	18	2e	<2	<2	1.00	15.8	70.36	8.0	33.42	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	09 Nov 2017	Depth (m)	19
A1	09 Nov 2017	Arrive Time	752
A1	09 Nov 2017	Depart Time	757
A1	09 Nov 2017	Air Temp (C)	18
A1	09 Nov 2017	Weather	Overcast
A1	09 Nov 2017	Visibility (mi)	8
A1	09 Nov 2017	Wind Speed (kts)	1
A1	09 Nov 2017	Wind Dir	NW
A1	09 Nov 2017	Water Color	Green
A1	09 Nov 2017	Wave Ht Low (ft)	3
A1	09 Nov 2017	Wave Period (sec)	13
A1	09 Nov 2017	Sea State	Calm
A1	09 Nov 2017	High Tide (ft)	5.1
A1	09 Nov 2017	High Tide Time	1230
A1	09 Nov 2017	Low Tide (ft)	2.7
A1	09 Nov 2017	Low Tide Time	634
A1	09 Nov 2017	Comments	Kelp
A1	14 Nov 2017	Depth (m)	18
A1	14 Nov 2017	Arrive Time	747
A1	14 Nov 2017	Depart Time	752
A1	14 Nov 2017	Air Temp (C)	16
A1	14 Nov 2017	Weather	Haze
A1	14 Nov 2017	Visibility (mi)	10
A1	14 Nov 2017	Wind Speed (kts)	1
A1	14 Nov 2017	Wind Dir	S
A1	14 Nov 2017	Water Color	Greenish-Blue
A1	14 Nov 2017	Wave Ht Low (ft)	2
A1	14 Nov 2017	Wave Period (sec)	13
A1	14 Nov 2017	Sea State	Calm
A1	14 Nov 2017	High Tide (ft)	5.5
A1	14 Nov 2017	High Tide Time	621
A1	14 Nov 2017	Low Tide (ft)	0.6
A1	14 Nov 2017	Low Tide Time	1251
A1	14 Nov 2017	Comments	Kelp debris
A1	20 Nov 2017	Depth (m)	19
A1	20 Nov 2017	Arrive Time	803
A1	20 Nov 2017	Depart Time	808
A1	20 Nov 2017	Air Temp (C)	15
A1	20 Nov 2017	Weather	Partly Cloudy
A1	20 Nov 2017	Visibility (mi)	7
A1	20 Nov 2017	Wind Speed (kts)	3
A1	20 Nov 2017	Wind Dir	NE
A1	20 Nov 2017	Water Color	Green
A1	20 Nov 2017	Wave Ht Low (ft)	3
A1	20 Nov 2017	Wave Period (sec)	11
A1	20 Nov 2017	Sea State	Calm
A1	20 Nov 2017	High Tide (ft)	5.6
A1	20 Nov 2017	High Tide Time	907
A1	20 Nov 2017	Low Tide (ft)	-0.1

Station	Date	Parameter	Value
A1	20 Nov 2017	Low Tide Time	1621
A1	20 Nov 2017	Comments	Kelp; Lobster floats
A1	29 Nov 2017	Depth (m)	19
A1	29 Nov 2017	Arrive Time	754
A1	29 Nov 2017	Depart Time	804
A1	29 Nov 2017	Air Temp (C)	16
A1	29 Nov 2017	Weather	Partly Cloudy
A1	29 Nov 2017	Visibility (mi)	5
A1	29 Nov 2017	Wind Speed (kts)	3
A1	29 Nov 2017	Wind Dir	SW
A1	29 Nov 2017	Water Color	Green
A1	29 Nov 2017	Wave Ht Low (ft)	3
A1	29 Nov 2017	Wave Period (sec)	9
A1	29 Nov 2017	Sea State	Calm
A1	29 Nov 2017	High Tide (ft)	5.2
A1	29 Nov 2017	High Tide Time	532
A1	29 Nov 2017	Low Tide (ft)	0.9
A1	29 Nov 2017	Low Tide Time	1209
A1	29 Nov 2017	Comments	Kelp
C4	09 Nov 2017	Depth (m)	9
C4	09 Nov 2017	Arrive Time	924
C4	09 Nov 2017	Depart Time	928
C4	09 Nov 2017	Air Temp (C)	20
C4	09 Nov 2017	Weather	Overcast
C4	09 Nov 2017	Visibility (mi)	12
C4	09 Nov 2017	Wind Speed (kts)	2
C4	09 Nov 2017	Wind Dir	W
C4	09 Nov 2017	Water Color	Green
C4	09 Nov 2017	Wave Ht Low (ft)	3
C4	09 Nov 2017	Wave Period (sec)	13
C4	09 Nov 2017	Sea State	Calm
C4	09 Nov 2017	High Tide (ft)	5.1
C4	09 Nov 2017	High Tide Time	1230
C4	09 Nov 2017	Low Tide (ft)	2.7
C4	09 Nov 2017	Low Tide Time	634
C4	09 Nov 2017	Comments	Kelp; Lobster floats
C4	14 Nov 2017	Depth (m)	11
C4	14 Nov 2017	Arrive Time	908
C4	14 Nov 2017	Depart Time	910
C4	14 Nov 2017	Air Temp (C)	17
C4	14 Nov 2017	Weather	Haze
C4	14 Nov 2017	Visibility (mi)	11
C4	14 Nov 2017	Wind Speed (kts)	2
C4	14 Nov 2017	Wind Dir	SE
C4	14 Nov 2017	Water Color	Brown
C4	14 Nov 2017	Wave Ht Low (ft)	2
C4	14 Nov 2017	Wave Period (sec)	13
C4	14 Nov 2017	Sea State	Calm
C4	14 Nov 2017	High Tide (ft)	5.5
C4	14 Nov 2017	High Tide Time	621
C4	14 Nov 2017	Low Tide (ft)	0.6
C4	14 Nov 2017	Low Tide Time	1251

Station	Date	Parameter	Value
C4	14 Nov 2017	Comments	none
C4	20 Nov 2017	Depth (m)	12
C4	20 Nov 2017	Arrive Time	933
C4	20 Nov 2017	Depart Time	936
C4	20 Nov 2017	Air Temp (C)	16
C4	20 Nov 2017	Weather	Partly Cloudy
C4	20 Nov 2017	Visibility (mi)	7
C4	20 Nov 2017	Wind Speed (kts)	5
C4	20 Nov 2017	Wind Dir	S
C4	20 Nov 2017	Water Color	Green
C4	20 Nov 2017	Wave Ht Low (ft)	3
C4	20 Nov 2017	Wave Period (sec)	11
C4	20 Nov 2017	Sea State	Calm
C4	20 Nov 2017	High Tide (ft)	5.6
C4	20 Nov 2017	High Tide Time	907
C4	20 Nov 2017	Low Tide (ft)	-0.1
C4	20 Nov 2017	Low Tide Time	1621
C4	20 Nov 2017	Comments	Kelp; Lobster floats
C4	29 Nov 2017	Depth (m)	12
C4	29 Nov 2017	Arrive Time	933
C4	29 Nov 2017	Depart Time	937
C4	29 Nov 2017	Air Temp (C)	16
C4	29 Nov 2017	Weather	Partly Cloudy
C4	29 Nov 2017	Visibility (mi)	8
C4	29 Nov 2017	Wind Speed (kts)	3
C4	29 Nov 2017	Wind Dir	E
C4	29 Nov 2017	Water Color	Greenish-Brown
C4	29 Nov 2017	Wave Ht Low (ft)	3
C4	29 Nov 2017	Wave Period (sec)	9
C4	29 Nov 2017	Sea State	Calm
C4	29 Nov 2017	High Tide (ft)	5.2
C4	29 Nov 2017	High Tide Time	532
C4	29 Nov 2017	Low Tide (ft)	0.9
C4	29 Nov 2017	Low Tide Time	1209
C4	29 Nov 2017	Comments	Kelp; Lobster floats; Murky waters; Low transmissivity; Boats
C5	09 Nov 2017	Depth (m)	12
C5	09 Nov 2017	Arrive Time	913
C5	09 Nov 2017	Depart Time	916
C5	09 Nov 2017	Air Temp (C)	19
C5	09 Nov 2017	Weather	Overcast
C5	09 Nov 2017	Visibility (mi)	12
C5	09 Nov 2017	Wind Speed (kts)	6
C5	09 Nov 2017	Wind Dir	W
C5	09 Nov 2017	Water Color	Green
C5	09 Nov 2017	Wave Ht Low (ft)	3
C5	09 Nov 2017	Wave Period (sec)	13
C5	09 Nov 2017	Sea State	Calm
C5	09 Nov 2017	High Tide (ft)	5.1
C5	09 Nov 2017	High Tide Time	1230
C5	09 Nov 2017	Low Tide (ft)	2.7
C5	09 Nov 2017	Low Tide Time	634
C5	09 Nov 2017	Comments	Kelp; Lobster floats

Station	Date	Parameter	Value
C5	14 Nov 2017	Depth (m)	9
C5	14 Nov 2017	Arrive Time	859
C5	14 Nov 2017	Depart Time	901
C5	14 Nov 2017	Air Temp (C)	16
C5	14 Nov 2017	Weather	Haze
C5	14 Nov 2017	Visibility (mi)	11
C5	14 Nov 2017	Wind Speed (kts)	4
C5	14 Nov 2017	Wind Dir	S
C5	14 Nov 2017	Water Color	Green
C5	14 Nov 2017	Wave Ht Low (ft)	2
C5	14 Nov 2017	Wave Period (sec)	13
C5	14 Nov 2017	Sea State	Calm
C5	14 Nov 2017	High Tide (ft)	5.5
C5	14 Nov 2017	High Tide Time	621
C5	14 Nov 2017	Low Tide (ft)	0.6
C5	14 Nov 2017	Low Tide Time	1251
C5	14 Nov 2017	Comments	Kelp
C5	20 Nov 2017	Depth (m)	12
C5	20 Nov 2017	Arrive Time	918
C5	20 Nov 2017	Depart Time	928
C5	20 Nov 2017	Air Temp (C)	16
C5	20 Nov 2017	Weather	Partly Cloudy
C5	20 Nov 2017	Visibility (mi)	7
C5	20 Nov 2017	Wind Speed (kts)	0
C5	20 Nov 2017	Wind Dir	
C5	20 Nov 2017	Water Color	Green
C5	20 Nov 2017	Wave Ht Low (ft)	3
C5	20 Nov 2017	Wave Period (sec)	11
C5	20 Nov 2017	Sea State	Calm
C5	20 Nov 2017	High Tide (ft)	5.6
C5	20 Nov 2017	High Tide Time	907
C5	20 Nov 2017	Low Tide (ft)	-0.1
C5	20 Nov 2017	Low Tide Time	1621
C5	20 Nov 2017	Comments	Kelp
C5	29 Nov 2017	Depth (m)	10
C5	29 Nov 2017	Arrive Time	917
C5	29 Nov 2017	Depart Time	919
C5	29 Nov 2017	Air Temp (C)	16
C5	29 Nov 2017	Weather	Partly Cloudy
C5	29 Nov 2017	Visibility (mi)	8
C5	29 Nov 2017	Wind Speed (kts)	5
C5	29 Nov 2017	Wind Dir	SE
C5	29 Nov 2017	Water Color	Brownish-Green
C5	29 Nov 2017	Wave Ht Low (ft)	3
C5	29 Nov 2017	Wave Period (sec)	9
C5	29 Nov 2017	Sea State	Calm
C5	29 Nov 2017	High Tide (ft)	5.2
C5	29 Nov 2017	High Tide Time	532
C5	29 Nov 2017	Low Tide (ft)	0.9
C5	29 Nov 2017	Low Tide Time	1209
C5	29 Nov 2017	Comments	Kelp

Station	Date	Parameter	Value
A6	09 Nov 2017	Depth (m)	18
A6	09 Nov 2017	Arrive Time	817
A6	09 Nov 2017	Depart Time	820
A6	09 Nov 2017	Air Temp (C)	18
A6	09 Nov 2017	Weather	Overcast
A6	09 Nov 2017	Visibility (mi)	10
A6	09 Nov 2017	Wind Speed (kts)	2
A6	09 Nov 2017	Wind Dir	W
A6	09 Nov 2017	Water Color	Green
A6	09 Nov 2017	Wave Ht Low (ft)	3
A6	09 Nov 2017	Wave Period (sec)	13
A6	09 Nov 2017	Sea State	Calm
A6	09 Nov 2017	High Tide (ft)	5.1
A6	09 Nov 2017	High Tide Time	1230
A6	09 Nov 2017	Low Tide (ft)	2.7
A6	09 Nov 2017	Low Tide Time	634
A6	09 Nov 2017	Comments	Kelp
A6	14 Nov 2017	Depth (m)	18
A6	14 Nov 2017	Arrive Time	810
A6	14 Nov 2017	Depart Time	812
A6	14 Nov 2017	Air Temp (C)	16
A6	14 Nov 2017	Weather	Haze
A6	14 Nov 2017	Visibility (mi)	10
A6	14 Nov 2017	Wind Speed (kts)	4
A6	14 Nov 2017	Wind Dir	S
A6	14 Nov 2017	Water Color	Greenish-Blue
A6	14 Nov 2017	Wave Ht Low (ft)	2
A6	14 Nov 2017	Wave Period (sec)	13
A6	14 Nov 2017	Sea State	Calm
A6	14 Nov 2017	High Tide (ft)	5.5
A6	14 Nov 2017	High Tide Time	621
A6	14 Nov 2017	Low Tide (ft)	0.6
A6	14 Nov 2017	Low Tide Time	1251
A6	14 Nov 2017	Comments	Kelp; Kelp debris
A6	20 Nov 2017	Depth (m)	18
A6	20 Nov 2017	Arrive Time	825
A6	20 Nov 2017	Depart Time	827
A6	20 Nov 2017	Air Temp (C)	15
A6	20 Nov 2017	Weather	Partly Cloudy
A6	20 Nov 2017	Visibility (mi)	7
A6	20 Nov 2017	Wind Speed (kts)	2
A6	20 Nov 2017	Wind Dir	W
A6	20 Nov 2017	Water Color	Green
A6	20 Nov 2017	Wave Ht Low (ft)	3
A6	20 Nov 2017	Wave Period (sec)	11
A6	20 Nov 2017	Sea State	Calm
A6	20 Nov 2017	High Tide (ft)	5.6
A6	20 Nov 2017	High Tide Time	907
A6	20 Nov 2017	Low Tide (ft)	-0.1
A6	20 Nov 2017	Low Tide Time	1621
A6	20 Nov 2017	Comments	Kelp; Lobster floats
A6	29 Nov 2017	Depth (m)	20

Station	Date	Parameter	Value
A6	29 Nov 2017	Arrive Time	819
A6	29 Nov 2017	Depart Time	822
A6	29 Nov 2017	Air Temp (C)	16
A6	29 Nov 2017	Weather	Partly Cloudy
A6	29 Nov 2017	Visibility (mi)	5
A6	29 Nov 2017	Wind Speed (kts)	0
A6	29 Nov 2017	Wind Dir	
A6	29 Nov 2017	Water Color	Green
A6	29 Nov 2017	Wave Ht Low (ft)	3
A6	29 Nov 2017	Wave Period (sec)	9
A6	29 Nov 2017	Sea State	Calm
A6	29 Nov 2017	High Tide (ft)	5.2
A6	29 Nov 2017	High Tide Time	532
A6	29 Nov 2017	Low Tide (ft)	0.9
A6	29 Nov 2017	Low Tide Time	1209
A6	29 Nov 2017	Comments	Kelp; Lobster floats
C6	09 Nov 2017	Depth (m)	10
C6	09 Nov 2017	Arrive Time	902
C6	09 Nov 2017	Depart Time	905
C6	09 Nov 2017	Air Temp (C)	19
C6	09 Nov 2017	Weather	Overcast
C6	09 Nov 2017	Visibility (mi)	12
C6	09 Nov 2017	Wind Speed (kts)	4
C6	09 Nov 2017	Wind Dir	S
C6	09 Nov 2017	Water Color	Green
C6	09 Nov 2017	Wave Ht Low (ft)	3
C6	09 Nov 2017	Wave Period (sec)	13
C6	09 Nov 2017	Sea State	Calm
C6	09 Nov 2017	High Tide (ft)	5.1
C6	09 Nov 2017	High Tide Time	1230
C6	09 Nov 2017	Low Tide (ft)	2.7
C6	09 Nov 2017	Low Tide Time	634
C6	09 Nov 2017	Comments	Kelp; Lobster floats
C6	14 Nov 2017	Depth (m)	9
C6	14 Nov 2017	Arrive Time	848
C6	14 Nov 2017	Depart Time	850
C6	14 Nov 2017	Air Temp (C)	17
C6	14 Nov 2017	Weather	Haze
C6	14 Nov 2017	Visibility (mi)	11
C6	14 Nov 2017	Wind Speed (kts)	2
C6	14 Nov 2017	Wind Dir	NE
C6	14 Nov 2017	Water Color	Green
C6	14 Nov 2017	Wave Ht Low (ft)	2
C6	14 Nov 2017	Wave Period (sec)	13
C6	14 Nov 2017	Sea State	Calm
C6	14 Nov 2017	High Tide (ft)	5.5
C6	14 Nov 2017	High Tide Time	621
C6	14 Nov 2017	Low Tide (ft)	0.6
C6	14 Nov 2017	Low Tide Time	1251
C6	14 Nov 2017	Comments	Kelp
C6	20 Nov 2017	Depth (m)	10
C6	20 Nov 2017	Arrive Time	908

Station	Date	Parameter	Value
C6	20 Nov 2017	Depart Time	911
C6	20 Nov 2017	Air Temp (C)	17
C6	20 Nov 2017	Weather	Partly Cloudy
C6	20 Nov 2017	Visibility (mi)	7
C6	20 Nov 2017	Wind Speed (kts)	0
C6	20 Nov 2017	Wind Dir	
C6	20 Nov 2017	Water Color	Green
C6	20 Nov 2017	Wave Ht Low (ft)	3
C6	20 Nov 2017	Wave Period (sec)	11
C6	20 Nov 2017	Sea State	Calm
C6	20 Nov 2017	High Tide (ft)	5.6
C6	20 Nov 2017	High Tide Time	907
C6	20 Nov 2017	Low Tide (ft)	-0.1
C6	20 Nov 2017	Low Tide Time	1621
C6	20 Nov 2017	Comments	Small whale on station; Kelp; Lobster floats
C6	29 Nov 2017	Depth (m)	10
C6	29 Nov 2017	Arrive Time	907
C6	29 Nov 2017	Depart Time	909
C6	29 Nov 2017	Air Temp (C)	16
C6	29 Nov 2017	Weather	Partly Cloudy
C6	29 Nov 2017	Visibility (mi)	8
C6	29 Nov 2017	Wind Speed (kts)	1
C6	29 Nov 2017	Wind Dir	SE
C6	29 Nov 2017	Water Color	Brownish-Green
C6	29 Nov 2017	Wave Ht Low (ft)	3
C6	29 Nov 2017	Wave Period (sec)	9
C6	29 Nov 2017	Sea State	Calm
C6	29 Nov 2017	High Tide (ft)	5.2
C6	29 Nov 2017	High Tide Time	532
C6	29 Nov 2017	Low Tide (ft)	0.9
C6	29 Nov 2017	Low Tide Time	1209
C6	29 Nov 2017	Comments	Kelp; Boats; Lobster floats
A7	09 Nov 2017	Depth (m)	19
A7	09 Nov 2017	Arrive Time	805
A7	09 Nov 2017	Depart Time	808
A7	09 Nov 2017	Air Temp (C)	18
A7	09 Nov 2017	Weather	Overcast
A7	09 Nov 2017	Visibility (mi)	10
A7	09 Nov 2017	Wind Speed (kts)	4
A7	09 Nov 2017	Wind Dir	S
A7	09 Nov 2017	Water Color	Green
A7	09 Nov 2017	Wave Ht Low (ft)	3
A7	09 Nov 2017	Wave Period (sec)	13
A7	09 Nov 2017	Sea State	Calm
A7	09 Nov 2017	High Tide (ft)	5.1
A7	09 Nov 2017	High Tide Time	1230
A7	09 Nov 2017	Low Tide (ft)	2.7
A7	09 Nov 2017	Low Tide Time	634
A7	09 Nov 2017	Comments	Kelp; Lobster floats
A7	14 Nov 2017	Depth (m)	20
A7	14 Nov 2017	Arrive Time	759
A7	14 Nov 2017	Depart Time	802

Station	Date	Parameter	Value
A7	14 Nov 2017	Air Temp (C)	16
A7	14 Nov 2017	Weather	Haze
A7	14 Nov 2017	Visibility (mi)	10
A7	14 Nov 2017	Wind Speed (kts)	3
A7	14 Nov 2017	Wind Dir	E
A7	14 Nov 2017	Water Color	Greenish-Blue
A7	14 Nov 2017	Wave Ht Low (ft)	2
A7	14 Nov 2017	Wave Period (sec)	13
A7	14 Nov 2017	Sea State	Calm
A7	14 Nov 2017	High Tide (ft)	5.5
A7	14 Nov 2017	High Tide Time	621
A7	14 Nov 2017	Low Tide (ft)	0.6
A7	14 Nov 2017	Low Tide Time	1251
A7	14 Nov 2017	Comments	none
A7	20 Nov 2017	Depth (m)	19
A7	20 Nov 2017	Arrive Time	814
A7	20 Nov 2017	Depart Time	817
A7	20 Nov 2017	Air Temp (C)	16
A7	20 Nov 2017	Weather	Partly Cloudy
A7	20 Nov 2017	Visibility (mi)	7
A7	20 Nov 2017	Wind Speed (kts)	1
A7	20 Nov 2017	Wind Dir	N
A7	20 Nov 2017	Water Color	Green
A7	20 Nov 2017	Wave Ht Low (ft)	3
A7	20 Nov 2017	Wave Period (sec)	11
A7	20 Nov 2017	Sea State	Calm
A7	20 Nov 2017	High Tide (ft)	5.6
A7	20 Nov 2017	High Tide Time	907
A7	20 Nov 2017	Low Tide (ft)	-0.1
A7	20 Nov 2017	Low Tide Time	1621
A7	20 Nov 2017	Comments	Lobster floats
A7	29 Nov 2017	Depth (m)	19
A7	29 Nov 2017	Arrive Time	806
A7	29 Nov 2017	Depart Time	815
A7	29 Nov 2017	Air Temp (C)	16
A7	29 Nov 2017	Weather	Partly Cloudy
A7	29 Nov 2017	Visibility (mi)	5
A7	29 Nov 2017	Wind Speed (kts)	2
A7	29 Nov 2017	Wind Dir	NE
A7	29 Nov 2017	Water Color	Green
A7	29 Nov 2017	Wave Ht Low (ft)	3
A7	29 Nov 2017	Wave Period (sec)	9
A7	29 Nov 2017	Sea State	Calm
A7	29 Nov 2017	High Tide (ft)	5.2
A7	29 Nov 2017	High Tide Time	532
A7	29 Nov 2017	Low Tide (ft)	0.9
A7	29 Nov 2017	Low Tide Time	1209
A7	29 Nov 2017	Comments	Kelp; seagrass; Lobster floats; Kelp debris
C7	09 Nov 2017	Depth (m)	18
C7	09 Nov 2017	Arrive Time	831
C7	09 Nov 2017	Depart Time	834
C7	09 Nov 2017	Air Temp (C)	18

Station	Date	Parameter	Value
C7	09 Nov 2017	Weather	Overcast
C7	09 Nov 2017	Visibility (mi)	10
C7	09 Nov 2017	Wind Speed (kts)	5
C7	09 Nov 2017	Wind Dir	SE
C7	09 Nov 2017	Water Color	Green
C7	09 Nov 2017	Wave Ht Low (ft)	3
C7	09 Nov 2017	Wave Period (sec)	13
C7	09 Nov 2017	Sea State	Calm
C7	09 Nov 2017	High Tide (ft)	5.1
C7	09 Nov 2017	High Tide Time	1230
C7	09 Nov 2017	Low Tide (ft)	2.7
C7	09 Nov 2017	Low Tide Time	634
C7	09 Nov 2017	Comments	Kelp; Lobster floats
C7	14 Nov 2017	Depth (m)	19
C7	14 Nov 2017	Arrive Time	822
C7	14 Nov 2017	Depart Time	825
C7	14 Nov 2017	Air Temp (C)	16
C7	14 Nov 2017	Weather	Haze
C7	14 Nov 2017	Visibility (mi)	10
C7	14 Nov 2017	Wind Speed (kts)	4
C7	14 Nov 2017	Wind Dir	NE
C7	14 Nov 2017	Water Color	Greenish-Blue
C7	14 Nov 2017	Wave Ht Low (ft)	2
C7	14 Nov 2017	Wave Period (sec)	13
C7	14 Nov 2017	Sea State	Calm
C7	14 Nov 2017	High Tide (ft)	5.5
C7	14 Nov 2017	High Tide Time	621
C7	14 Nov 2017	Low Tide (ft)	0.6
C7	14 Nov 2017	Low Tide Time	1251
C7	14 Nov 2017	Comments	Kelp
C7	20 Nov 2017	Depth (m)	20
C7	20 Nov 2017	Arrive Time	838
C7	20 Nov 2017	Depart Time	841
C7	20 Nov 2017	Air Temp (C)	16
C7	20 Nov 2017	Weather	Partly Cloudy
C7	20 Nov 2017	Visibility (mi)	7
C7	20 Nov 2017	Wind Speed (kts)	0
C7	20 Nov 2017	Wind Dir	
C7	20 Nov 2017	Water Color	Green
C7	20 Nov 2017	Wave Ht Low (ft)	3
C7	20 Nov 2017	Wave Period (sec)	11
C7	20 Nov 2017	Sea State	Calm
C7	20 Nov 2017	High Tide (ft)	5.6
C7	20 Nov 2017	High Tide Time	907
C7	20 Nov 2017	Low Tide (ft)	-0.1
C7	20 Nov 2017	Low Tide Time	1621
C7	20 Nov 2017	Comments	Kelp; Lobster floats
C7	29 Nov 2017	Depth (m)	18
C7	29 Nov 2017	Arrive Time	832
C7	29 Nov 2017	Depart Time	839
C7	29 Nov 2017	Air Temp (C)	16
C7	29 Nov 2017	Weather	Partly Cloudy

Station	Date	Parameter	Value
C7	29 Nov 2017	Visibility (mi)	5
C7	29 Nov 2017	Wind Speed (kts)	0
C7	29 Nov 2017	Wind Dir	
C7	29 Nov 2017	Water Color	Green
C7	29 Nov 2017	Wave Ht Low (ft)	3
C7	29 Nov 2017	Wave Period (sec)	9
C7	29 Nov 2017	Sea State	Calm
C7	29 Nov 2017	High Tide (ft)	5.2
C7	29 Nov 2017	High Tide Time	532
C7	29 Nov 2017	Low Tide (ft)	0.9
C7	29 Nov 2017	Low Tide Time	1209
C7	29 Nov 2017	Comments	Kelp; Lobster floats
C8	09 Nov 2017	Depth (m)	18
C8	09 Nov 2017	Arrive Time	842
C8	09 Nov 2017	Depart Time	846
C8	09 Nov 2017	Air Temp (C)	18
C8	09 Nov 2017	Weather	Overcast
C8	09 Nov 2017	Visibility (mi)	12
C8	09 Nov 2017	Wind Speed (kts)	6
C8	09 Nov 2017	Wind Dir	NE
C8	09 Nov 2017	Water Color	Green
C8	09 Nov 2017	Wave Ht Low (ft)	3
C8	09 Nov 2017	Wave Period (sec)	13
C8	09 Nov 2017	Sea State	Calm
C8	09 Nov 2017	High Tide (ft)	5.1
C8	09 Nov 2017	High Tide Time	1230
C8	09 Nov 2017	Low Tide (ft)	2.7
C8	09 Nov 2017	Low Tide Time	634
C8	09 Nov 2017	Comments	Lobster floats
C8	14 Nov 2017	Depth (m)	19
C8	14 Nov 2017	Arrive Time	832
C8	14 Nov 2017	Depart Time	834
C8	14 Nov 2017	Air Temp (C)	16
C8	14 Nov 2017	Weather	Haze
C8	14 Nov 2017	Visibility (mi)	10
C8	14 Nov 2017	Wind Speed (kts)	1
C8	14 Nov 2017	Wind Dir	NE
C8	14 Nov 2017	Water Color	Greenish-Blue
C8	14 Nov 2017	Wave Ht Low (ft)	2
C8	14 Nov 2017	Wave Period (sec)	13
C8	14 Nov 2017	Sea State	Calm
C8	14 Nov 2017	High Tide (ft)	5.5
C8	14 Nov 2017	High Tide Time	621
C8	14 Nov 2017	Low Tide (ft)	0.6
C8	14 Nov 2017	Low Tide Time	1251
C8	14 Nov 2017	Comments	none
C8	20 Nov 2017	Depth (m)	20
C8	20 Nov 2017	Arrive Time	850
C8	20 Nov 2017	Depart Time	853
C8	20 Nov 2017	Air Temp (C)	15
C8	20 Nov 2017	Weather	Partly Cloudy
C8	20 Nov 2017	Visibility (mi)	7

Station	Date	Parameter	Value
C8	20 Nov 2017	Wind Speed (kts)	2
C8	20 Nov 2017	Wind Dir	W
C8	20 Nov 2017	Water Color	Green
C8	20 Nov 2017	Wave Ht Low (ft)	3
C8	20 Nov 2017	Wave Period (sec)	11
C8	20 Nov 2017	Sea State	Calm
C8	20 Nov 2017	High Tide (ft)	5.6
C8	20 Nov 2017	High Tide Time	907
C8	20 Nov 2017	Low Tide (ft)	-0.1
C8	20 Nov 2017	Low Tide Time	1621
C8	20 Nov 2017	Comments	Kelp; Lobster floats
C8	29 Nov 2017	Depth (m)	20
C8	29 Nov 2017	Arrive Time	845
C8	29 Nov 2017	Depart Time	851
C8	29 Nov 2017	Air Temp (C)	16
C8	29 Nov 2017	Weather	Partly Cloudy
C8	29 Nov 2017	Visibility (mi)	5
C8	29 Nov 2017	Wind Speed (kts)	4
C8	29 Nov 2017	Wind Dir	E
C8	29 Nov 2017	Water Color	Green
C8	29 Nov 2017	Wave Ht Low (ft)	3
C8	29 Nov 2017	Wave Period (sec)	9
C8	29 Nov 2017	Sea State	Calm
C8	29 Nov 2017	High Tide (ft)	5.2
C8	29 Nov 2017	High Tide Time	532
C8	29 Nov 2017	Low Tide (ft)	0.9
C8	29 Nov 2017	Low Tide Time	1209
C8	29 Nov 2017	Comments	Kelp; Seagrass

**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	09 Nov 2017	1	16.99	80.62	7.5	33.43	8.1	24.3	1.69
A1	09 Nov 2017	2	17.00	84.35	7.5	33.43	8.1	24.3	1.80
A1	09 Nov 2017	3	16.98	84.39	7.5	33.43	8.1	24.3	1.83
A1	09 Nov 2017	4	16.93	84.71	7.5	33.43	8.1	24.3	1.91
A1	09 Nov 2017	5	16.89	84.83	7.5	33.43	8.1	24.3	1.89
A1	09 Nov 2017	6	16.76	84.93	7.4	33.44	8.1	24.4	1.86
A1	09 Nov 2017	7	16.61	85.51	7.4	33.42	8.1	24.4	1.93
A1	09 Nov 2017	8	16.23	85.91	7.2	33.44	8.1	24.5	1.74
A1	09 Nov 2017	9	15.68	86.06	7.0	33.43	8.1	24.6	1.54
A1	09 Nov 2017	10	15.35	86.48	6.9	33.38	8.0	24.6	1.41
A1	09 Nov 2017	11	15.31	86.27	6.8	33.41	8.0	24.7	1.37
A1	09 Nov 2017	12	14.96	86.33	6.6	33.39	8.0	24.7	1.28
A1	09 Nov 2017	13	14.74	86.63	6.5	33.39	8.0	24.8	1.11
A1	09 Nov 2017	14	14.70	86.81	6.4	33.39	8.0	24.8	1.02
A1	09 Nov 2017	15	14.52	86.82	6.4	33.39	8.0	24.8	0.93
A1	09 Nov 2017	16	14.49	86.93	6.4	33.39	8.0	24.8	0.93
A1	09 Nov 2017	17	14.47	86.97	6.4	33.39	8.0	24.8	0.91
A1	09 Nov 2017	18	14.38	86.85	6.4	33.39	8.0	24.9	0.91
A1	14 Nov 2017	1	15.58	85.57	7.5	33.40	8.0	24.6	1.22
A1	14 Nov 2017	2	15.55	85.15	7.5	33.40	8.0	24.6	1.29
A1	14 Nov 2017	3	15.39	85.65	7.5	33.40	8.0	24.7	1.30
A1	14 Nov 2017	4	15.30	86.01	7.4	33.40	8.0	24.7	1.35
A1	14 Nov 2017	5	15.23	86.22	7.4	33.39	8.0	24.7	1.34
A1	14 Nov 2017	6	15.17	86.47	7.4	33.39	8.0	24.7	1.34
A1	14 Nov 2017	7	14.98	86.54	7.3	33.40	8.0	24.7	1.41
A1	14 Nov 2017	8	14.73	86.88	7.3	33.39	8.0	24.8	1.39
A1	14 Nov 2017	9	14.61	87.61	7.3	33.38	8.0	24.8	1.40
A1	14 Nov 2017	10	14.60	87.53	7.3	33.37	8.0	24.8	1.44
A1	14 Nov 2017	11	14.60	87.46	7.3	33.38	8.0	24.8	1.46
A1	14 Nov 2017	12	14.46	87.45	7.2	33.38	8.0	24.8	1.50
A1	14 Nov 2017	13	14.29	87.56	7.0	33.38	8.0	24.9	1.46
A1	14 Nov 2017	14	14.23	87.55	6.9	33.38	8.0	24.9	1.44
A1	14 Nov 2017	15	14.17	87.49	6.8	33.39	8.0	24.9	1.35
A1	14 Nov 2017	16	14.13	87.30	6.8	33.39	8.0	24.9	1.31
A1	14 Nov 2017	17	14.03	87.58	6.5	33.40	8.0	24.9	1.20
A1	14 Nov 2017	18	13.53	87.22	6.2	33.42	8.0	25.1	1.02
A1	14 Nov 2017	19	13.03	87.75	5.9	33.44	7.9	25.2	0.84
A1	14 Nov 2017	20	13.07	87.97	5.8	33.41	7.9	25.2	0.69
A1	20 Nov 2017	1	15.60	87.52	8.1	33.39	8.0	24.6	0.88
A1	20 Nov 2017	2	15.60	87.23	8.1	33.39	8.0	24.6	0.93
A1	20 Nov 2017	3	15.60	87.09	8.1	33.39	8.0	24.6	0.97
A1	20 Nov 2017	4	15.60	87.08	8.1	33.39	8.0	24.6	1.05
A1	20 Nov 2017	5	15.56	87.07	8.1	33.39	8.0	24.6	1.16
A1	20 Nov 2017	6	15.54	87.12	8.1	33.39	8.0	24.6	1.27
A1	20 Nov 2017	7	15.51	86.98	8.0	33.39	8.0	24.6	1.34
A1	20 Nov 2017	8	15.47	87.02	8.0	33.39	8.0	24.6	1.44
A1	20 Nov 2017	9	15.42	87.15	7.9	33.39	8.0	24.6	1.48
A1	20 Nov 2017	10	15.15	87.57	7.8	33.40	8.0	24.7	1.50
A1	20 Nov 2017	11	14.99	88.01	7.7	33.39	8.0	24.7	1.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	20 Nov 2017	12	14.81	88.22	7.5	33.39	8.0	24.8	1.36
A1	20 Nov 2017	13	14.23	88.29	7.2	33.42	8.0	24.9	1.21
A1	20 Nov 2017	14	14.06	88.46	7.0	33.39	8.0	24.9	1.14
A1	20 Nov 2017	15	13.98	88.52	6.9	33.40	8.0	25.0	1.09
A1	20 Nov 2017	16	13.78	88.61	6.8	33.40	8.0	25.0	1.01
A1	20 Nov 2017	17	13.68	88.92	6.7	33.40	8.0	25.0	0.92
A1	20 Nov 2017	18	13.64	89.11	6.6	33.40	7.9	25.0	0.86
A1	20 Nov 2017	19	13.62	88.98	6.6	33.39	7.9	25.0	0.81
A1	29 Nov 2017	1	15.73	89.61	8.2	33.41	8.0	24.6	0.71
A1	29 Nov 2017	2	15.73	89.49	8.2	33.41	8.0	24.6	0.72
A1	29 Nov 2017	3	15.73	89.33	8.2	33.41	8.0	24.6	0.76
A1	29 Nov 2017	4	15.73	89.03	8.2	33.41	8.0	24.6	0.76
A1	29 Nov 2017	5	15.73	88.75	8.2	33.41	8.0	24.6	0.79
A1	29 Nov 2017	6	15.73	89.34	8.2	33.41	8.0	24.6	0.80
A1	29 Nov 2017	7	15.73	89.59	8.2	33.41	8.0	24.6	0.75
A1	29 Nov 2017	8	15.71	89.61	8.2	33.41	8.0	24.6	0.67
A1	29 Nov 2017	9	15.67	89.55	8.2	33.41	8.0	24.6	0.69
A1	29 Nov 2017	10	15.63	89.06	8.2	33.41	8.0	24.6	0.66
A1	29 Nov 2017	11	15.60	89.37	8.2	33.41	8.0	24.6	0.60
A1	29 Nov 2017	12	15.58	89.53	8.2	33.40	8.0	24.6	0.62
A1	29 Nov 2017	13	15.56	89.47	8.2	33.41	8.0	24.6	0.66
A1	29 Nov 2017	14	15.51	89.41	8.1	33.41	8.0	24.6	0.60
A1	29 Nov 2017	15	15.39	87.05	8.0	33.40	8.0	24.7	0.68
A1	29 Nov 2017	16	15.36	83.25	7.9	33.40	8.0	24.7	0.68
A1	29 Nov 2017	17	15.34	80.77	7.8	33.40	8.0	24.7	0.74
A1	29 Nov 2017	18	15.29	79.38	7.8	33.40	8.0	24.7	0.74
A1	29 Nov 2017	19	15.26	77.48	7.8	33.40	8.0	24.7	0.74
A1	29 Nov 2017	20	15.25	76.92	7.7	33.40	8.0	24.7	0.73
C4	09 Nov 2017	1	17.06	80.35	7.2	33.44	8.0	24.3	1.57
C4	09 Nov 2017	2	17.03	80.36	7.2	33.45	8.0	24.3	1.58
C4	09 Nov 2017	3	16.99	80.45	7.2	33.44	8.0	24.3	1.66
C4	09 Nov 2017	4	16.99	80.57	7.2	33.44	8.0	24.3	1.71
C4	09 Nov 2017	5	16.88	80.22	7.2	33.45	8.0	24.4	1.86
C4	09 Nov 2017	6	16.60	80.98	7.3	33.44	8.1	24.4	1.94
C4	09 Nov 2017	7	16.48	82.49	7.3	33.43	8.1	24.4	1.99
C4	09 Nov 2017	8	16.39	83.66	7.3	33.42	8.1	24.4	1.96
C4	09 Nov 2017	9	16.18	84.55	7.2	33.43	8.1	24.5	1.77
C4	09 Nov 2017	10	15.95	84.89	6.8	33.42	8.1	24.5	1.51
C4	09 Nov 2017	11	15.42	84.26	6.4	33.43	8.0	24.7	1.21
C4	09 Nov 2017	12	15.09	80.11	6.4	33.40	8.0	24.7	1.06
C4	14 Nov 2017	2	16.16	56.08	7.0	33.42	7.9	24.5	1.21
C4	14 Nov 2017	3	16.04	64.71	7.0	33.42	8.0	24.5	1.26
C4	14 Nov 2017	4	15.93	70.37	7.1	33.42	8.0	24.6	1.32
C4	14 Nov 2017	5	15.83	72.98	7.1	33.41	8.0	24.6	1.36
C4	14 Nov 2017	6	15.64	76.78	7.1	33.41	8.0	24.6	1.32
C4	14 Nov 2017	7	15.51	78.82	7.0	33.41	8.0	24.6	1.27
C4	14 Nov 2017	8	15.17	79.95	6.8	33.41	8.0	24.7	1.18
C4	14 Nov 2017	9	14.75	80.12	6.6	33.41	8.0	24.8	1.04
C4	14 Nov 2017	10	14.46	78.76	6.5	33.40	8.0	24.9	0.82
C4	14 Nov 2017	11	14.58	77.98	6.5	33.37	8.0	24.8	0.72
C4	20 Nov 2017	2	15.25	86.67	8.0	33.39	8.1	24.7	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	20 Nov 2017	3	15.24	86.65	8.0	33.39	8.1	24.7	0.76
C4	20 Nov 2017	4	15.22	86.38	8.0	33.38	8.1	24.7	0.83
C4	20 Nov 2017	5	15.20	86.05	8.0	33.38	8.1	24.7	0.93
C4	20 Nov 2017	6	15.18	86.11	8.0	33.39	8.1	24.7	1.05
C4	20 Nov 2017	7	15.09	86.23	7.9	33.39	8.1	24.7	1.18
C4	20 Nov 2017	8	15.05	86.83	7.8	33.38	8.1	24.7	1.24
C4	20 Nov 2017	9	14.97	86.71	8.2	33.39	8.1	24.7	1.29
C4	20 Nov 2017	10	14.85	86.66	7.4	33.39	8.1	24.8	1.26
C4	20 Nov 2017	11	14.33	85.18	6.9	33.43	8.0	24.9	1.07
C4	20 Nov 2017	12	14.05	75.36	6.8	33.40	8.0	24.9	0.81
C4	29 Nov 2017	1	15.85	23.46	7.9	33.42	8.0	24.6	0.99
C4	29 Nov 2017	2	15.86	22.70	7.9	33.42	8.0	24.6	0.94
C4	29 Nov 2017	3	15.84	22.50	7.9	33.42	8.0	24.6	0.93
C4	29 Nov 2017	4	15.83	24.71	7.9	33.42	8.0	24.6	0.91
C4	29 Nov 2017	5	15.82	23.99	7.9	33.42	8.0	24.6	0.93
C4	29 Nov 2017	6	15.81	23.79	7.8	33.42	8.0	24.6	0.94
C4	29 Nov 2017	7	15.81	22.31	7.8	33.42	8.0	24.6	0.92
C4	29 Nov 2017	8	15.77	19.33	7.5	33.42	8.0	24.6	0.89
C4	29 Nov 2017	9	15.59	22.17	7.2	33.42	8.0	24.6	0.83
C4	29 Nov 2017	10	15.46	21.22	7.0	33.41	8.0	24.6	0.84
C4	29 Nov 2017	11	15.41	18.20	7.0	33.41	8.0	24.7	0.88
C5	09 Nov 2017	1	17.74	79.95	6.8	33.45	8.0	24.2	1.01
C5	09 Nov 2017	2	17.70	80.23	6.7	33.45	8.0	24.2	1.06
C5	09 Nov 2017	3	17.44	80.79	6.7	33.46	8.0	24.2	1.15
C5	09 Nov 2017	4	17.27	81.84	6.7	33.43	8.0	24.2	1.20
C5	09 Nov 2017	5	16.98	81.32	6.5	33.45	8.0	24.3	1.19
C5	09 Nov 2017	6	16.48	83.47	6.2	33.43	8.0	24.4	1.13
C5	09 Nov 2017	7	16.13	85.13	6.0	33.41	8.0	24.5	0.99
C5	09 Nov 2017	8	15.81	85.33	5.8	33.42	8.0	24.6	0.89
C5	09 Nov 2017	9	15.52	85.12	5.7	33.40	8.0	24.6	0.81
C5	09 Nov 2017	10	15.38	84.83	5.7	33.40	8.0	24.7	0.78
C5	09 Nov 2017	11	15.17	83.87	5.8	33.39	8.0	24.7	0.78
C5	14 Nov 2017	1	16.22	75.51	7.1	33.42	8.0	24.5	0.75
C5	14 Nov 2017	2	16.21	74.75	7.1	33.42	8.0	24.5	0.76
C5	14 Nov 2017	3	16.18	68.95	7.1	33.42	8.0	24.5	0.83
C5	14 Nov 2017	4	16.17	63.90	7.1	33.42	8.0	24.5	0.99
C5	14 Nov 2017	5	16.18	74.29	7.1	33.41	8.0	24.5	0.98
C5	14 Nov 2017	6	16.15	72.41	7.0	33.43	8.0	24.5	0.95
C5	14 Nov 2017	7	16.04	71.72	6.8	33.43	8.0	24.5	0.93
C5	14 Nov 2017	8	15.87	80.44	6.6	33.46	8.0	24.6	0.89
C5	14 Nov 2017	9	15.28	81.00	6.3	33.50	8.0	24.8	0.87
C5	14 Nov 2017	10	14.77	79.44	5.9	33.48	8.0	24.8	0.80
C5	14 Nov 2017	11	14.31	79.18	5.8	33.45	7.9	24.9	0.71
C5	20 Nov 2017	1	15.34	85.04	8.0	33.40	8.1	24.7	0.84
C5	20 Nov 2017	2	15.32	84.97	8.0	33.40	8.1	24.7	0.86
C5	20 Nov 2017	3	15.35	85.26	8.0	33.40	8.1	24.7	0.90
C5	20 Nov 2017	4	15.35	84.96	8.0	33.40	8.1	24.7	0.94
C5	20 Nov 2017	5	15.30	84.86	7.9	33.40	8.1	24.7	0.96
C5	20 Nov 2017	6	15.21	85.58	7.9	33.40	8.1	24.7	1.00
C5	20 Nov 2017	7	15.15	86.49	7.9	33.40	8.1	24.7	1.09
C5	20 Nov 2017	8	15.05	86.76	7.8	33.39	8.1	24.7	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C5	20 Nov 2017	9	14.90	86.81	7.5	33.40	8.1	24.8	1.15
C5	20 Nov 2017	10	14.70	87.05	7.2	33.41	8.0	24.8	0.99
C5	20 Nov 2017	11	14.46	86.60	6.7	33.41	8.0	24.9	0.80
C5	29 Nov 2017	1	15.94	40.96	7.5	33.42	8.0	24.5	0.80
C5	29 Nov 2017	2	15.92	43.16	7.5	33.43	8.0	24.6	0.83
C5	29 Nov 2017	3	15.89	44.97	7.4	33.42	8.0	24.6	0.78
C5	29 Nov 2017	4	15.85	47.02	7.4	33.42	8.0	24.6	0.75
C5	29 Nov 2017	5	15.82	49.46	7.3	33.42	8.0	24.6	0.69
C5	29 Nov 2017	6	15.80	51.90	7.3	33.42	8.0	24.6	0.65
C5	29 Nov 2017	7	15.78	54.80	7.2	33.42	8.0	24.6	0.62
C5	29 Nov 2017	8	15.65	55.38	7.0	33.42	8.0	24.6	0.61
C5	29 Nov 2017	9	15.54	54.30	6.8	33.41	8.0	24.6	0.59
C5	29 Nov 2017	10	15.43	44.54	6.7	33.41	8.0	24.7	0.64
C5	29 Nov 2017	11	15.38	34.77	6.6	33.40	8.0	24.7	0.74
A6	09 Nov 2017	1	17.40	85.26	7.8	33.44	8.1	24.2	1.60
A6	09 Nov 2017	2	17.38	83.52	7.8	33.44	8.1	24.2	1.72
A6	09 Nov 2017	3	17.31	83.75	7.8	33.44	8.1	24.2	1.97
A6	09 Nov 2017	4	17.29	84.58	7.8	33.43	8.1	24.2	2.08
A6	09 Nov 2017	5	17.08	84.66	7.7	33.44	8.1	24.3	2.19
A6	09 Nov 2017	6	16.86	84.86	7.5	33.43	8.1	24.3	2.13
A6	09 Nov 2017	7	16.41	85.16	7.4	33.43	8.1	24.4	1.97
A6	09 Nov 2017	8	16.09	85.45	7.1	33.42	8.1	24.5	1.75
A6	09 Nov 2017	9	15.65	86.08	6.8	33.42	8.1	24.6	1.47
A6	09 Nov 2017	10	15.24	86.73	6.7	33.42	8.0	24.7	1.24
A6	09 Nov 2017	11	14.79	86.98	6.6	33.40	8.0	24.8	1.10
A6	09 Nov 2017	12	14.56	87.43	6.5	33.40	8.0	24.8	1.03
A6	09 Nov 2017	13	14.42	87.54	6.4	33.39	8.0	24.9	1.01
A6	09 Nov 2017	14	14.26	87.40	6.4	33.39	8.0	24.9	1.01
A6	09 Nov 2017	15	14.16	87.39	6.4	33.38	8.0	24.9	1.05
A6	09 Nov 2017	16	14.09	87.58	6.4	33.38	8.0	24.9	1.02
A6	09 Nov 2017	17	14.05	87.61	6.3	33.38	8.0	24.9	0.96
A6	09 Nov 2017	18	14.03	87.63	6.3	33.38	8.0	24.9	0.91
A6	09 Nov 2017	19	14.02	87.59	6.2	33.39	8.0	24.9	0.89
A6	14 Nov 2017	1	15.95	84.20	7.8	33.40	8.1	24.5	1.11
A6	14 Nov 2017	2	15.95	85.14	7.8	33.41	8.1	24.5	1.15
A6	14 Nov 2017	3	15.95	84.95	7.8	33.41	8.1	24.5	1.17
A6	14 Nov 2017	4	15.94	84.87	7.8	33.41	8.1	24.5	1.23
A6	14 Nov 2017	5	15.94	84.84	7.8	33.41	8.1	24.5	1.34
A6	14 Nov 2017	6	15.92	84.84	7.7	33.41	8.1	24.5	1.37
A6	14 Nov 2017	7	15.76	84.91	7.6	33.42	8.1	24.6	1.37
A6	14 Nov 2017	8	15.60	84.88	7.4	33.41	8.1	24.6	1.39
A6	14 Nov 2017	9	15.38	85.58	7.3	33.41	8.0	24.7	1.35
A6	14 Nov 2017	10	15.21	86.29	7.2	33.41	8.0	24.7	1.30
A6	14 Nov 2017	11	15.00	86.00	7.1	33.41	8.0	24.7	1.30
A6	14 Nov 2017	12	14.86	86.56	7.0	33.41	8.0	24.8	1.28
A6	14 Nov 2017	13	14.57	86.59	6.9	33.42	8.0	24.9	1.19
A6	14 Nov 2017	14	14.42	86.95	6.7	33.41	8.0	24.9	1.11
A6	14 Nov 2017	15	14.26	87.15	6.6	33.41	8.0	24.9	1.03
A6	14 Nov 2017	16	14.11	87.08	6.5	33.42	8.0	24.9	1.02
A6	14 Nov 2017	17	13.83	87.08	6.3	33.44	8.0	25.0	0.94
A6	14 Nov 2017	18	13.62	87.13	6.2	33.43	8.0	25.1	0.85
A6	14 Nov 2017	19	13.59	87.55	6.1	33.43	8.0	25.1	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	20 Nov 2017	1	14.96	87.12	7.8	33.38	8.1	24.7	1.04
A6	20 Nov 2017	2	14.94	87.16	7.8	33.38	8.1	24.7	1.06
A6	20 Nov 2017	3	14.93	87.16	7.8	33.38	8.1	24.7	1.13
A6	20 Nov 2017	4	14.85	87.12	7.7	33.39	8.1	24.8	1.18
A6	20 Nov 2017	5	14.53	87.36	7.5	33.40	8.0	24.8	1.20
A6	20 Nov 2017	6	14.52	87.65	7.3	33.38	8.0	24.8	1.19
A6	20 Nov 2017	7	14.18	87.62	7.2	33.40	8.0	24.9	1.15
A6	20 Nov 2017	8	14.05	87.82	7.1	33.39	8.0	24.9	1.17
A6	20 Nov 2017	9	14.07	87.83	7.1	33.38	8.0	24.9	1.21
A6	20 Nov 2017	10	14.02	87.77	7.0	33.39	8.0	24.9	1.27
A6	20 Nov 2017	11	13.92	87.85	7.0	33.39	8.0	25.0	1.17
A6	20 Nov 2017	12	13.92	88.07	6.9	33.39	8.0	25.0	1.15
A6	20 Nov 2017	13	13.85	88.04	6.8	33.40	8.0	25.0	1.07
A6	20 Nov 2017	14	13.80	88.01	6.8	33.40	8.0	25.0	1.05
A6	20 Nov 2017	15	13.75	88.07	6.8	33.40	8.0	25.0	1.06
A6	20 Nov 2017	16	13.67	88.11	6.6	33.41	8.0	25.0	1.04
A6	20 Nov 2017	17	13.51	88.22	6.5	33.42	8.0	25.1	0.97
A6	20 Nov 2017	18	13.36	88.15	6.4	33.41	8.0	25.1	0.91
A6	20 Nov 2017	19	13.26	88.14	6.4	33.42	8.0	25.1	0.88
A6	29 Nov 2017	1	16.58	85.38	8.0	33.45	8.1	24.4	1.08
A6	29 Nov 2017	2	16.61	85.30	8.0	33.45	8.1	24.4	1.12
A6	29 Nov 2017	3	16.52	84.92	8.0	33.46	8.1	24.4	1.17
A6	29 Nov 2017	4	16.42	85.21	8.0	33.45	8.1	24.5	1.21
A6	29 Nov 2017	5	16.43	85.01	8.0	33.45	8.1	24.5	1.22
A6	29 Nov 2017	6	16.31	84.91	7.9	33.45	8.1	24.5	1.21
A6	29 Nov 2017	7	16.15	83.46	7.9	33.44	8.1	24.5	1.19
A6	29 Nov 2017	8	16.07	82.17	7.9	33.44	8.1	24.5	1.14
A6	29 Nov 2017	9	15.99	82.85	8.0	33.42	8.1	24.5	1.11
A6	29 Nov 2017	10	15.94	82.55	8.0	33.42	8.1	24.5	1.13
A6	29 Nov 2017	11	15.90	82.15	7.9	33.42	8.1	24.6	1.08
A6	29 Nov 2017	12	15.87	81.49	7.9	33.42	8.1	24.6	1.08
A6	29 Nov 2017	13	15.84	81.20	7.9	33.42	8.1	24.6	1.00
A6	29 Nov 2017	14	15.81	80.87	7.8	33.42	8.1	24.6	0.94
A6	29 Nov 2017	15	15.73	80.64	7.8	33.42	8.1	24.6	0.87
A6	29 Nov 2017	16	15.62	80.52	7.6	33.42	8.0	24.6	0.83
A6	29 Nov 2017	17	15.38	79.37	7.6	33.42	8.0	24.7	0.79
A6	29 Nov 2017	18	15.31	78.76	7.5	33.41	8.0	24.7	0.73
A6	29 Nov 2017	19	15.28	78.12	7.5	33.40	8.0	24.7	0.70
C6	09 Nov 2017	1	17.53	82.42	7.5	33.44	8.1	24.2	1.33
C6	09 Nov 2017	2	17.52	82.44	7.5	33.44	8.1	24.2	1.38
C6	09 Nov 2017	3	17.42	82.94	7.4	33.45	8.1	24.2	1.49
C6	09 Nov 2017	4	17.41	82.97	7.5	33.44	8.1	24.2	1.57
C6	09 Nov 2017	5	17.39	83.23	7.3	33.44	8.1	24.2	1.67
C6	09 Nov 2017	6	17.29	84.31	7.2	33.44	8.1	24.3	1.67
C6	09 Nov 2017	7	17.16	84.91	6.7	33.48	8.1	24.3	1.62
C6	09 Nov 2017	8	16.76	85.21	6.8	33.56	8.0	24.5	1.63
C6	09 Nov 2017	9	16.32	85.29	6.4	33.54	8.0	24.6	1.43
C6	09 Nov 2017	10	16.07	85.66	6.2	33.45	8.0	24.5	1.13
C6	14 Nov 2017	1	16.18	74.42	7.4	33.41	8.0	24.5	0.70
C6	14 Nov 2017	2	16.17	74.70	7.4	33.40	8.0	24.5	0.76
C6	14 Nov 2017	3	16.15	75.00	7.4	33.41	8.0	24.5	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C6	14 Nov 2017	4	16.07	75.86	7.5	33.42	8.0	24.5	0.99
C6	14 Nov 2017	5	16.00	75.69	7.6	33.42	8.0	24.5	1.23
C6	14 Nov 2017	6	15.92	74.09	7.5	33.42	8.1	24.6	1.40
C6	14 Nov 2017	7	15.62	78.23	7.3	33.43	8.0	24.6	1.31
C6	14 Nov 2017	8	15.48	83.92	6.9	33.40	8.0	24.6	1.19
C6	14 Nov 2017	9	14.66	84.86	6.5	33.49	8.0	24.9	1.09
C6	14 Nov 2017	10	14.09	85.37	6.5	33.45	7.9	25.0	0.94
C6	20 Nov 2017	1	15.60	83.13	8.0	33.42	8.1	24.6	0.85
C6	20 Nov 2017	2	15.59	83.39	8.0	33.42	8.1	24.6	0.88
C6	20 Nov 2017	3	15.58	83.73	8.0	33.42	8.1	24.6	0.94
C6	20 Nov 2017	4	15.51	83.38	8.0	33.42	8.1	24.6	0.95
C6	20 Nov 2017	5	15.39	83.93	7.9	33.42	8.1	24.7	0.98
C6	20 Nov 2017	6	15.29	84.65	7.8	33.42	8.1	24.7	1.00
C6	20 Nov 2017	7	15.17	84.37	7.7	33.42	8.1	24.7	1.05
C6	20 Nov 2017	8	14.99	84.46	7.5	33.42	8.0	24.8	1.01
C6	20 Nov 2017	9	14.68	85.22	7.1	33.42	8.0	24.8	0.92
C6	29 Nov 2017	1	15.87	60.67	7.7	33.42	8.0	24.6	0.79
C6	29 Nov 2017	2	15.87	59.34	7.7	33.42	8.0	24.6	0.81
C6	29 Nov 2017	3	15.87	57.97	7.6	33.42	8.0	24.6	0.84
C6	29 Nov 2017	4	15.85	56.52	7.6	33.42	8.0	24.6	0.84
C6	29 Nov 2017	5	15.83	52.34	7.6	33.42	8.0	24.6	0.81
C6	29 Nov 2017	6	15.82	48.67	7.5	33.42	8.0	24.6	0.79
C6	29 Nov 2017	7	15.81	47.69	7.5	33.42	8.0	24.6	0.77
C6	29 Nov 2017	8	15.76	41.53	7.3	33.42	8.0	24.6	0.80
C6	29 Nov 2017	9	15.74	25.57	7.2	33.41	8.0	24.6	0.84
C6	29 Nov 2017	10	15.71	11.88	7.1	33.41	8.0	24.6	0.91
A7	09 Nov 2017	1	17.05	85.20	7.4	33.43	8.1	24.3	1.46
A7	09 Nov 2017	2	16.94	85.06	7.3	33.45	8.1	24.3	1.46
A7	09 Nov 2017	3	16.36	85.19	7.1	33.43	8.1	24.5	1.49
A7	09 Nov 2017	4	16.29	85.41	7.0	33.42	8.0	24.5	1.46
A7	09 Nov 2017	5	15.82	86.21	6.8	33.43	8.0	24.6	1.38
A7	09 Nov 2017	6	15.30	86.58	6.7	33.42	8.0	24.7	1.22
A7	09 Nov 2017	7	15.14	86.89	6.7	33.40	8.0	24.7	1.14
A7	09 Nov 2017	8	14.99	86.95	6.7	33.39	8.0	24.7	1.13
A7	09 Nov 2017	9	14.83	87.11	6.6	33.40	8.0	24.8	1.15
A7	09 Nov 2017	10	14.67	87.18	6.6	33.39	8.0	24.8	1.15
A7	09 Nov 2017	11	14.62	87.24	6.6	33.38	8.0	24.8	1.14
A7	09 Nov 2017	12	14.57	87.36	6.6	33.39	8.0	24.8	1.12
A7	09 Nov 2017	13	14.50	87.41	6.6	33.39	8.0	24.8	1.11
A7	09 Nov 2017	14	14.47	87.48	6.5	33.39	8.0	24.8	1.09
A7	09 Nov 2017	15	14.12	87.69	6.4	33.40	8.0	24.9	1.01
A7	09 Nov 2017	16	14.12	87.85	6.4	33.39	8.0	24.9	0.99
A7	09 Nov 2017	17	14.03	87.85	6.4	33.39	8.0	24.9	0.97
A7	09 Nov 2017	18	14.02	87.84	6.4	33.39	8.0	24.9	0.96
A7	09 Nov 2017	19	14.02	87.80	6.3	33.39	8.0	24.9	0.95
A7	14 Nov 2017	1	15.99	81.86	7.6	33.41	8.0	24.5	1.09
A7	14 Nov 2017	2	15.98	82.34	7.6	33.41	8.0	24.5	1.12
A7	14 Nov 2017	3	15.99	82.28	7.6	33.41	8.0	24.5	1.18
A7	14 Nov 2017	4	15.96	82.28	7.5	33.41	8.0	24.5	1.20
A7	14 Nov 2017	5	15.49	83.27	7.3	33.43	8.0	24.7	1.22
A7	14 Nov 2017	6	15.29	84.29	7.0	33.41	8.0	24.7	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	14 Nov 2017	7	14.76	85.71	6.9	33.43	8.0	24.8	1.24
A7	14 Nov 2017	8	14.28	86.35	6.8	33.41	8.0	24.9	1.21
A7	14 Nov 2017	9	14.14	86.89	6.8	33.39	8.0	24.9	1.19
A7	14 Nov 2017	10	14.11	86.97	6.8	33.38	8.0	24.9	1.15
A7	14 Nov 2017	11	14.11	86.82	6.8	33.39	8.0	24.9	1.13
A7	14 Nov 2017	12	14.05	87.21	6.7	33.39	8.0	24.9	1.12
A7	14 Nov 2017	13	13.98	87.66	6.7	33.39	8.0	24.9	1.15
A7	14 Nov 2017	14	13.96	87.62	6.6	33.39	8.0	25.0	1.09
A7	14 Nov 2017	15	13.82	87.20	6.5	33.40	8.0	25.0	1.10
A7	14 Nov 2017	16	13.53	87.34	6.5	33.41	8.0	25.1	1.07
A7	14 Nov 2017	17	13.40	87.68	6.4	33.40	8.0	25.1	1.02
A7	14 Nov 2017	18	13.37	87.90	6.3	33.41	8.0	25.1	0.94
A7	14 Nov 2017	19	13.24	88.24	5.9	33.42	7.9	25.1	0.78
A7	20 Nov 2017	1	15.00	87.18	7.8	33.38	8.0	24.7	1.07
A7	20 Nov 2017	2	15.02	87.42	7.8	33.38	8.0	24.7	1.04
A7	20 Nov 2017	3	15.00	87.51	7.7	33.38	8.0	24.7	1.06
A7	20 Nov 2017	4	14.91	86.97	7.6	33.39	8.0	24.8	1.10
A7	20 Nov 2017	5	14.60	87.31	7.4	33.41	8.0	24.8	1.07
A7	20 Nov 2017	6	14.24	87.86	7.1	33.41	8.0	24.9	1.02
A7	20 Nov 2017	7	14.17	87.92	7.0	33.40	8.0	24.9	0.98
A7	20 Nov 2017	8	14.07	87.91	7.0	33.40	8.0	24.9	1.01
A7	20 Nov 2017	9	14.02	88.00	6.9	33.39	8.0	24.9	0.95
A7	20 Nov 2017	10	14.03	87.99	6.9	33.39	8.0	24.9	0.96
A7	20 Nov 2017	11	14.00	87.95	6.8	33.40	8.0	24.9	0.93
A7	20 Nov 2017	12	13.96	88.05	6.8	33.40	8.0	25.0	0.89
A7	20 Nov 2017	13	13.90	88.19	6.7	33.40	8.0	25.0	0.87
A7	20 Nov 2017	14	13.83	88.24	6.6	33.41	8.0	25.0	0.82
A7	20 Nov 2017	15	13.72	88.23	6.6	33.41	8.0	25.0	0.82
A7	20 Nov 2017	16	13.69	88.25	6.5	33.41	8.0	25.0	0.84
A7	20 Nov 2017	17	13.66	88.26	6.6	33.41	8.0	25.0	0.83
A7	20 Nov 2017	18	13.62	88.50	6.4	33.41	8.0	25.0	0.81
A7	20 Nov 2017	19	13.52	88.59	6.4	33.42	7.9	25.1	0.79
A7	29 Nov 2017	2	15.75	77.15	7.8	33.42	8.0	24.6	0.98
A7	29 Nov 2017	3	15.75	76.36	7.8	33.42	8.0	24.6	1.04
A7	29 Nov 2017	4	15.74	76.77	7.8	33.42	8.0	24.6	1.03
A7	29 Nov 2017	5	15.73	76.58	7.8	33.42	8.0	24.6	1.07
A7	29 Nov 2017	6	15.73	76.26	7.8	33.42	8.0	24.6	1.13
A7	29 Nov 2017	7	15.72	74.54	7.8	33.42	8.0	24.6	1.15
A7	29 Nov 2017	8	15.72	74.23	7.8	33.42	8.0	24.6	1.12
A7	29 Nov 2017	9	15.71	74.51	7.8	33.42	8.0	24.6	1.13
A7	29 Nov 2017	10	15.70	74.24	7.9	33.42	8.0	24.6	1.19
A7	29 Nov 2017	11	15.70	73.43	7.8	33.42	8.0	24.6	1.18
A7	29 Nov 2017	12	15.69	72.88	7.9	33.42	8.0	24.6	1.19
A7	29 Nov 2017	13	15.68	73.00	7.9	33.42	8.0	24.6	1.13
A7	29 Nov 2017	14	15.68	73.42	7.8	33.42	8.0	24.6	1.12
A7	29 Nov 2017	15	15.68	73.46	7.8	33.42	8.0	24.6	1.07
A7	29 Nov 2017	16	15.67	74.03	7.8	33.42	8.0	24.6	1.09
A7	29 Nov 2017	17	15.67	73.57	7.8	33.42	8.0	24.6	1.07
A7	29 Nov 2017	18	15.50	73.95	7.6	33.42	8.0	24.6	0.95
C7	09 Nov 2017	1	17.54	86.02	7.8	33.44	8.1	24.2	1.49
C7	09 Nov 2017	2	17.39	85.98	7.7	33.45	8.1	24.2	1.55
C7	09 Nov 2017	3	16.93	85.57	7.6	33.44	8.1	24.3	1.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	09 Nov 2017	4	16.59	85.90	7.6	33.42	8.1	24.4	1.73
C7	09 Nov 2017	5	16.08	86.16	7.8	33.39	8.1	24.5	1.80
C7	09 Nov 2017	6	15.75	86.85	8.1	33.36	8.1	24.5	1.68
C7	09 Nov 2017	7	15.61	87.25	8.1	33.35	8.1	24.6	1.66
C7	09 Nov 2017	8	15.56	87.03	8.0	33.35	8.1	24.6	1.81
C7	09 Nov 2017	9	15.51	86.78	7.8	33.35	8.1	24.6	2.03
C7	09 Nov 2017	10	15.44	86.31	7.7	33.35	8.1	24.6	2.15
C7	09 Nov 2017	11	15.39	86.53	7.5	33.36	8.1	24.6	2.07
C7	09 Nov 2017	12	15.33	86.75	7.3	33.37	8.1	24.6	1.81
C7	09 Nov 2017	13	15.26	87.38	7.2	33.37	8.1	24.7	1.59
C7	09 Nov 2017	14	15.20	87.79	7.1	33.38	8.0	24.7	1.39
C7	09 Nov 2017	15	15.10	88.06	6.9	33.38	8.0	24.7	1.20
C7	09 Nov 2017	16	14.58	88.22	6.6	33.40	8.0	24.8	1.00
C7	09 Nov 2017	17	14.23	88.42	6.6	33.37	8.0	24.9	0.91
C7	09 Nov 2017	18	14.13	88.48	6.5	33.42	8.0	24.9	0.91
C7	14 Nov 2017	1	15.74	82.27	7.6	33.40	8.1	24.6	1.42
C7	14 Nov 2017	2	15.73	82.99	7.5	33.40	8.1	24.6	1.49
C7	14 Nov 2017	3	15.69	82.87	7.5	33.41	8.1	24.6	1.60
C7	14 Nov 2017	4	15.61	83.15	7.5	33.40	8.1	24.6	1.78
C7	14 Nov 2017	5	15.62	83.34	7.5	33.40	8.1	24.6	1.95
C7	14 Nov 2017	6	15.55	83.43	7.5	33.41	8.1	24.6	2.01
C7	14 Nov 2017	7	15.37	83.46	7.3	33.41	8.0	24.7	2.03
C7	14 Nov 2017	8	15.06	83.69	7.1	33.42	8.0	24.7	1.96
C7	14 Nov 2017	9	14.65	84.61	6.7	33.43	8.0	24.8	1.67
C7	14 Nov 2017	10	14.00	86.00	6.4	33.43	8.0	25.0	1.31
C7	14 Nov 2017	11	13.71	86.49	6.3	33.41	8.0	25.0	1.13
C7	14 Nov 2017	12	13.64	87.23	6.2	33.40	8.0	25.0	1.04
C7	14 Nov 2017	13	13.52	87.19	6.1	33.41	8.0	25.1	1.00
C7	14 Nov 2017	14	13.27	87.18	6.0	33.42	7.9	25.1	0.97
C7	14 Nov 2017	15	13.13	87.46	5.8	33.41	7.9	25.1	0.78
C7	14 Nov 2017	16	13.11	87.47	5.8	33.43	7.9	25.2	0.73
C7	14 Nov 2017	17	12.90	87.61	5.6	33.44	7.9	25.2	0.62
C7	14 Nov 2017	18	12.83	87.22	5.5	33.44	7.9	25.2	0.55
C7	14 Nov 2017	19	12.81	87.31	5.5	33.44	7.9	25.2	0.51
C7	20 Nov 2017	1	14.68	88.21	7.4	33.39	8.0	24.8	0.87
C7	20 Nov 2017	2	14.78	88.06	7.5	33.39	8.0	24.8	0.84
C7	20 Nov 2017	3	14.77	87.98	7.5	33.39	8.0	24.8	0.86
C7	20 Nov 2017	4	14.72	87.42	7.4	33.39	8.0	24.8	0.87
C7	20 Nov 2017	5	14.50	87.50	7.3	33.41	8.0	24.9	0.92
C7	20 Nov 2017	6	14.27	87.35	7.2	33.39	8.0	24.9	0.99
C7	20 Nov 2017	7	14.23	87.61	7.2	33.39	8.0	24.9	1.04
C7	20 Nov 2017	8	14.18	88.02	7.0	33.39	8.0	24.9	1.05
C7	20 Nov 2017	9	13.90	87.85	6.9	33.41	8.0	25.0	1.01
C7	20 Nov 2017	10	13.84	88.09	6.8	33.40	8.0	25.0	0.98
C7	20 Nov 2017	11	13.79	88.36	6.7	33.40	8.0	25.0	0.93
C7	20 Nov 2017	12	13.76	88.61	6.7	33.40	8.0	25.0	0.88
C7	20 Nov 2017	13	13.73	88.40	6.6	33.40	8.0	25.0	0.86
C7	20 Nov 2017	14	13.72	88.26	6.6	33.40	8.0	25.0	0.87
C7	20 Nov 2017	15	13.67	88.26	6.5	33.41	8.0	25.0	0.86
C7	20 Nov 2017	16	13.61	88.11	6.5	33.41	8.0	25.0	0.87
C7	20 Nov 2017	17	13.56	88.66	6.5	33.41	8.0	25.0	0.93
C7	20 Nov 2017	18	13.53	88.72	6.4	33.41	8.0	25.1	0.90
C7	20 Nov 2017	19	13.39	88.42	6.4	33.44	8.0	25.1	1.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	20 Nov 2017	20	13.36	87.35	6.3	33.43	8.0	25.1	1.90
C7	29 Nov 2017	1	17.46	85.99	8.0	33.48	8.1	24.2	1.03
C7	29 Nov 2017	2	17.33	85.60	7.9	33.49	8.1	24.3	1.09
C7	29 Nov 2017	3	17.15	84.59	7.9	33.48	8.1	24.3	1.03
C7	29 Nov 2017	4	17.09	83.85	7.8	33.47	8.1	24.3	1.05
C7	29 Nov 2017	5	16.92	81.97	7.8	33.47	8.1	24.4	1.00
C7	29 Nov 2017	6	16.86	80.29	7.8	33.46	8.1	24.4	1.00
C7	29 Nov 2017	7	16.70	78.10	7.8	33.46	8.1	24.4	1.07
C7	29 Nov 2017	8	16.62	76.38	7.8	33.45	8.1	24.4	1.03
C7	29 Nov 2017	9	16.63	75.85	7.8	33.44	8.1	24.4	1.02
C7	29 Nov 2017	10	16.48	74.94	7.9	33.45	8.1	24.4	1.09
C7	29 Nov 2017	11	16.37	74.72	8.0	33.44	8.1	24.5	1.13
C7	29 Nov 2017	12	16.30	74.39	8.1	33.43	8.1	24.5	1.14
C7	29 Nov 2017	13	16.25	74.08	8.0	33.43	8.1	24.5	1.12
C7	29 Nov 2017	14	16.05	75.61	7.9	33.44	8.1	24.5	1.02
C7	29 Nov 2017	15	15.76	77.10	7.8	33.43	8.1	24.6	0.85
C7	29 Nov 2017	16	15.62	75.46	7.7	33.41	8.1	24.6	0.78
C7	29 Nov 2017	17	15.35	75.57	7.6	33.41	8.1	24.7	0.73
C7	29 Nov 2017	18	15.11	74.60	7.5	33.41	8.0	24.7	0.73
C7	29 Nov 2017	19	14.94	66.42	7.4	33.40	8.0	24.8	0.85
C8	09 Nov 2017	1	17.41	85.72	7.8	33.44	8.1	24.2	1.48
C8	09 Nov 2017	2	17.41	85.44	7.8	33.44	8.1	24.2	1.56
C8	09 Nov 2017	3	17.33	85.45	7.7	33.44	8.1	24.2	1.84
C8	09 Nov 2017	4	16.86	84.97	7.6	33.44	8.1	24.3	1.95
C8	09 Nov 2017	5	16.53	85.28	7.6	33.41	8.1	24.4	1.98
C8	09 Nov 2017	6	15.78	85.92	7.7	33.38	8.1	24.6	1.95
C8	09 Nov 2017	7	15.71	86.27	7.7	33.35	8.1	24.5	2.00
C8	09 Nov 2017	8	15.19	86.60	7.4	33.38	8.1	24.7	2.00
C8	09 Nov 2017	9	14.98	87.14	7.3	33.35	8.1	24.7	1.87
C8	09 Nov 2017	10	14.89	87.67	7.2	33.35	8.1	24.7	1.72
C8	09 Nov 2017	11	14.83	87.95	7.2	33.35	8.1	24.7	1.63
C8	09 Nov 2017	12	14.71	88.06	7.1	33.36	8.0	24.8	1.53
C8	09 Nov 2017	13	14.56	88.18	6.9	33.37	8.0	24.8	1.34
C8	09 Nov 2017	14	14.44	88.29	6.8	33.38	8.0	24.8	1.14
C8	09 Nov 2017	15	14.41	88.34	6.7	33.38	8.0	24.8	1.07
C8	09 Nov 2017	16	14.40	88.38	6.7	33.38	8.0	24.8	1.02
C8	09 Nov 2017	17	14.41	88.27	6.7	33.38	8.0	24.8	0.99
C8	09 Nov 2017	18	14.41	88.23	6.7	33.38	8.0	24.8	0.98
C8	09 Nov 2017	19	14.42	88.24	6.6	33.38	8.0	24.8	0.97
C8	09 Nov 2017	20	14.42	88.27	6.7	33.38	8.0	24.8	0.95
C8	14 Nov 2017	1	15.46	81.36	7.5	33.39	8.0	24.6	1.80
C8	14 Nov 2017	2	15.42	81.14	7.5	33.40	8.0	24.6	1.85
C8	14 Nov 2017	3	15.27	80.96	7.3	33.40	8.0	24.7	1.90
C8	14 Nov 2017	4	15.01	81.73	7.2	33.41	8.0	24.7	1.82
C8	14 Nov 2017	5	14.92	82.94	7.0	33.39	8.0	24.8	1.72
C8	14 Nov 2017	6	14.87	83.43	6.8	33.39	8.0	24.8	1.65
C8	14 Nov 2017	7	14.29	83.76	6.5	33.44	8.0	24.9	1.48
C8	14 Nov 2017	8	13.88	85.16	6.3	33.41	8.0	25.0	1.25
C8	14 Nov 2017	9	13.85	84.79	6.3	33.39	8.0	25.0	1.13
C8	14 Nov 2017	10	13.80	85.34	6.3	33.39	8.0	25.0	1.13
C8	14 Nov 2017	11	13.75	85.91	6.3	33.39	8.0	25.0	1.12
C8	14 Nov 2017	12	13.74	86.39	6.3	33.39	8.0	25.0	1.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	14 Nov 2017	13	13.71	86.38	6.2	33.39	8.0	25.0	1.10
C8	14 Nov 2017	14	13.65	86.41	6.2	33.40	8.0	25.0	1.07
C8	14 Nov 2017	15	13.33	86.64	5.9	33.43	7.9	25.1	0.98
C8	14 Nov 2017	16	13.06	86.79	5.7	33.44	7.9	25.2	0.83
C8	14 Nov 2017	17	12.71	86.94	5.5	33.45	7.9	25.3	0.67
C8	14 Nov 2017	18	12.69	87.31	5.4	33.44	7.9	25.2	0.55
C8	14 Nov 2017	19	12.69	87.00	5.4	33.44	7.9	25.2	0.51
C8	14 Nov 2017	20	12.69	86.75	5.3	33.44	7.9	25.2	0.50
C8	20 Nov 2017	2	14.96	87.61	7.7	33.40	8.1	24.7	0.87
C8	20 Nov 2017	3	14.95	87.87	7.6	33.40	8.1	24.7	0.88
C8	20 Nov 2017	4	14.93	87.77	7.6	33.39	8.1	24.8	0.93
C8	20 Nov 2017	5	14.88	87.79	7.6	33.40	8.1	24.8	1.03
C8	20 Nov 2017	6	14.79	87.83	7.6	33.39	8.1	24.8	1.17
C8	20 Nov 2017	7	14.72	87.73	7.6	33.39	8.0	24.8	1.25
C8	20 Nov 2017	8	14.70	87.66	7.5	33.39	8.0	24.8	1.29
C8	20 Nov 2017	9	14.52	87.60	7.4	33.39	8.0	24.8	1.34
C8	20 Nov 2017	10	14.48	87.67	7.3	33.38	8.0	24.8	1.32
C8	20 Nov 2017	11	14.40	87.90	7.3	33.39	8.0	24.9	1.33
C8	20 Nov 2017	12	14.33	87.91	7.2	33.39	8.0	24.9	1.29
C8	20 Nov 2017	13	14.24	88.00	7.2	33.39	8.0	24.9	1.23
C8	20 Nov 2017	14	14.22	88.28	7.1	33.39	8.0	24.9	1.26
C8	20 Nov 2017	15	14.08	87.97	7.0	33.40	8.0	24.9	1.22
C8	20 Nov 2017	16	13.94	88.11	6.9	33.40	8.0	25.0	1.19
C8	20 Nov 2017	17	13.92	88.22	6.8	33.40	8.0	25.0	1.16
C8	20 Nov 2017	18	13.72	88.12	6.7	33.41	8.0	25.0	1.16
C8	20 Nov 2017	19	13.50	88.05	6.6	33.40	8.0	25.1	1.09
C8	20 Nov 2017	20	13.43	88.24	6.5	33.40	8.0	25.1	1.04
C8	29 Nov 2017	1	17.41	87.29	8.2	33.48	8.1	24.3	1.16
C8	29 Nov 2017	2	17.42	86.86	8.2	33.48	8.1	24.2	1.16
C8	29 Nov 2017	3	17.43	86.93	8.2	33.48	8.1	24.2	1.26
C8	29 Nov 2017	4	17.42	87.08	8.1	33.48	8.1	24.2	1.31
C8	29 Nov 2017	5	17.37	86.53	8.1	33.48	8.1	24.3	1.32
C8	29 Nov 2017	6	17.32	86.81	8.1	33.48	8.1	24.3	1.29
C8	29 Nov 2017	7	17.30	87.01	8.1	33.48	8.1	24.3	1.21
C8	29 Nov 2017	8	17.25	86.86	8.1	33.48	8.1	24.3	1.22
C8	29 Nov 2017	9	17.20	86.63	8.1	33.48	8.1	24.3	1.23
C8	29 Nov 2017	10	17.15	85.38	8.0	33.47	8.1	24.3	1.22
C8	29 Nov 2017	11	17.05	86.10	8.0	33.47	8.1	24.3	1.15
C8	29 Nov 2017	12	16.91	88.43	8.1	33.47	8.1	24.4	1.04
C8	29 Nov 2017	13	16.77	89.06	8.1	33.46	8.1	24.4	0.95
C8	29 Nov 2017	14	16.63	89.14	8.1	33.45	8.1	24.4	0.88
C8	29 Nov 2017	15	16.37	89.00	8.2	33.44	8.1	24.5	0.94
C8	29 Nov 2017	16	16.22	87.75	8.1	33.44	8.1	24.5	0.99
C8	29 Nov 2017	17	15.99	80.80	8.1	33.42	8.1	24.5	1.05
C8	29 Nov 2017	18	15.85	70.36	8.0	33.42	8.1	24.6	1.14
C8	29 Nov 2017	19	15.71	51.10	7.9	33.41	8.1	24.6	1.28
C8	29 Nov 2017	20	15.59	39.77	7.9	33.41	8.1	24.6	1.54

NA = not available

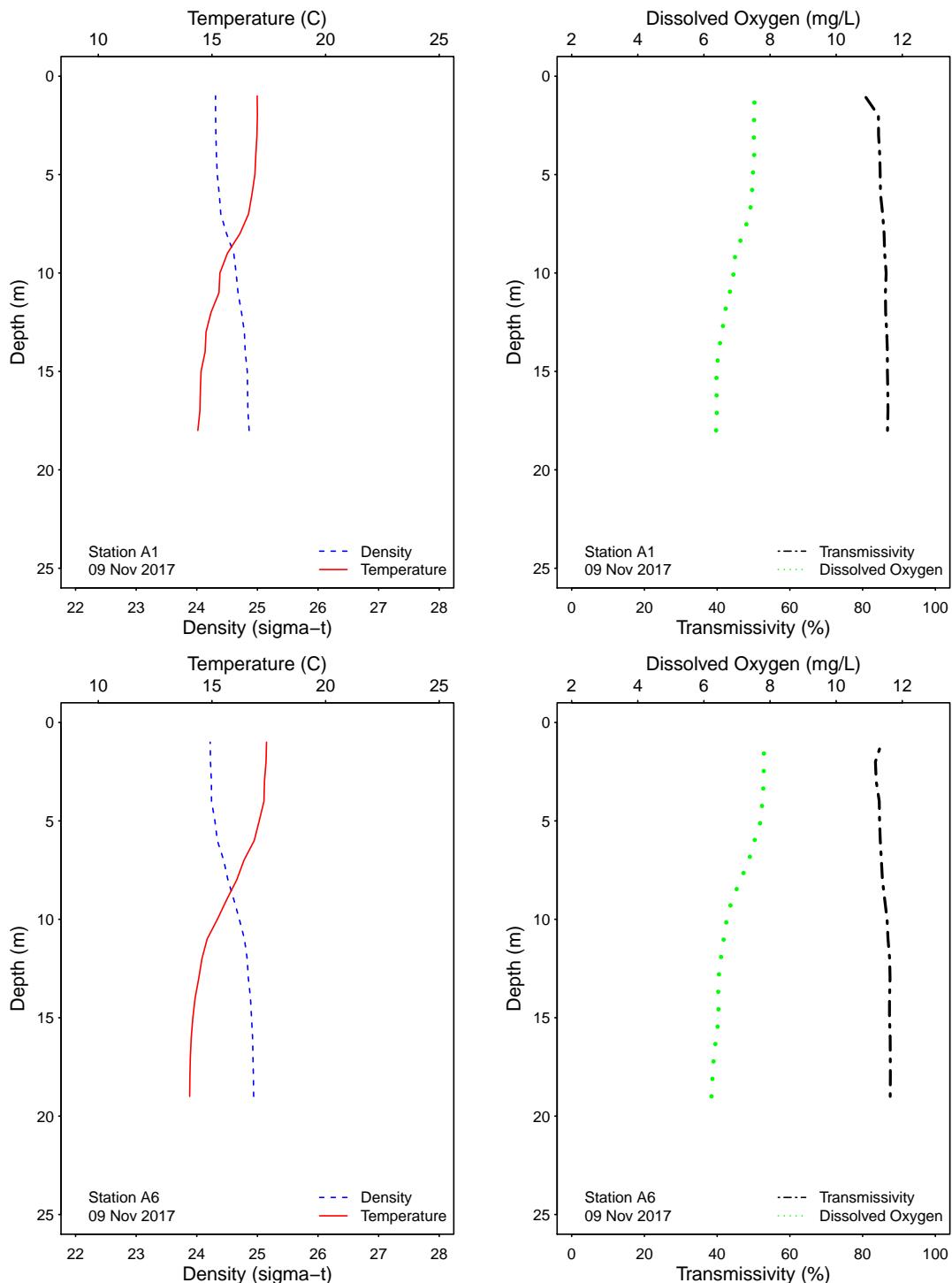


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

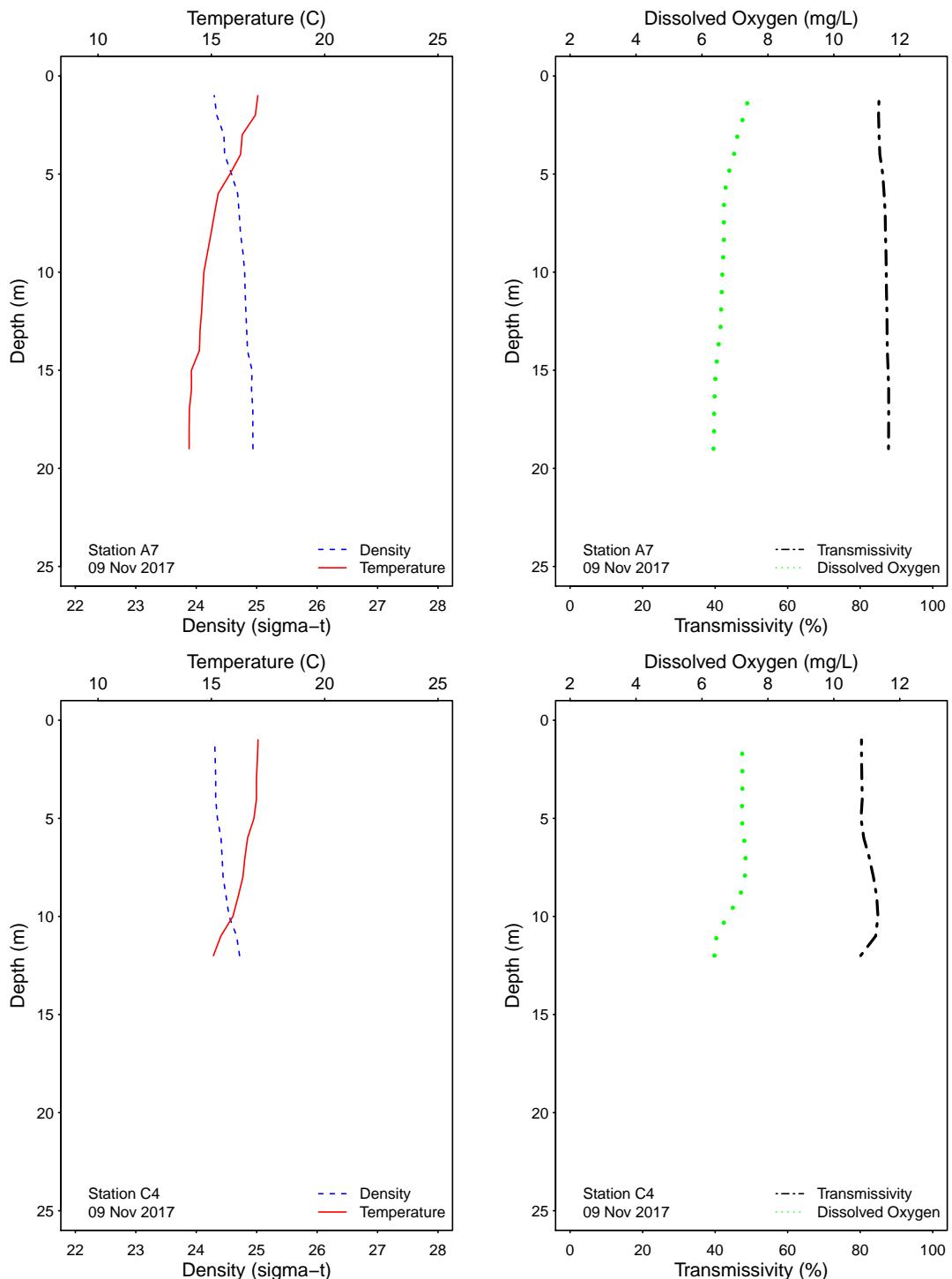


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

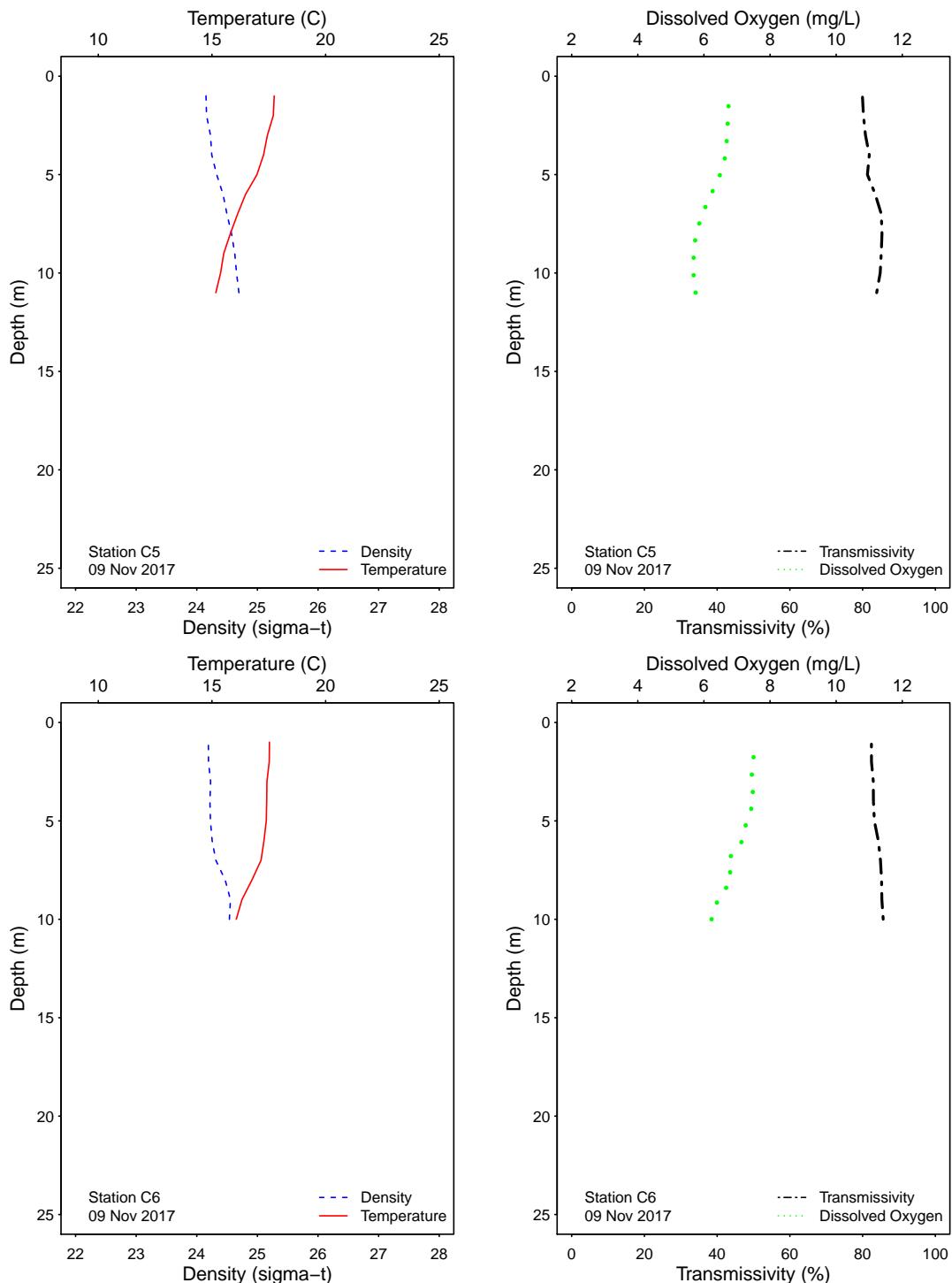


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

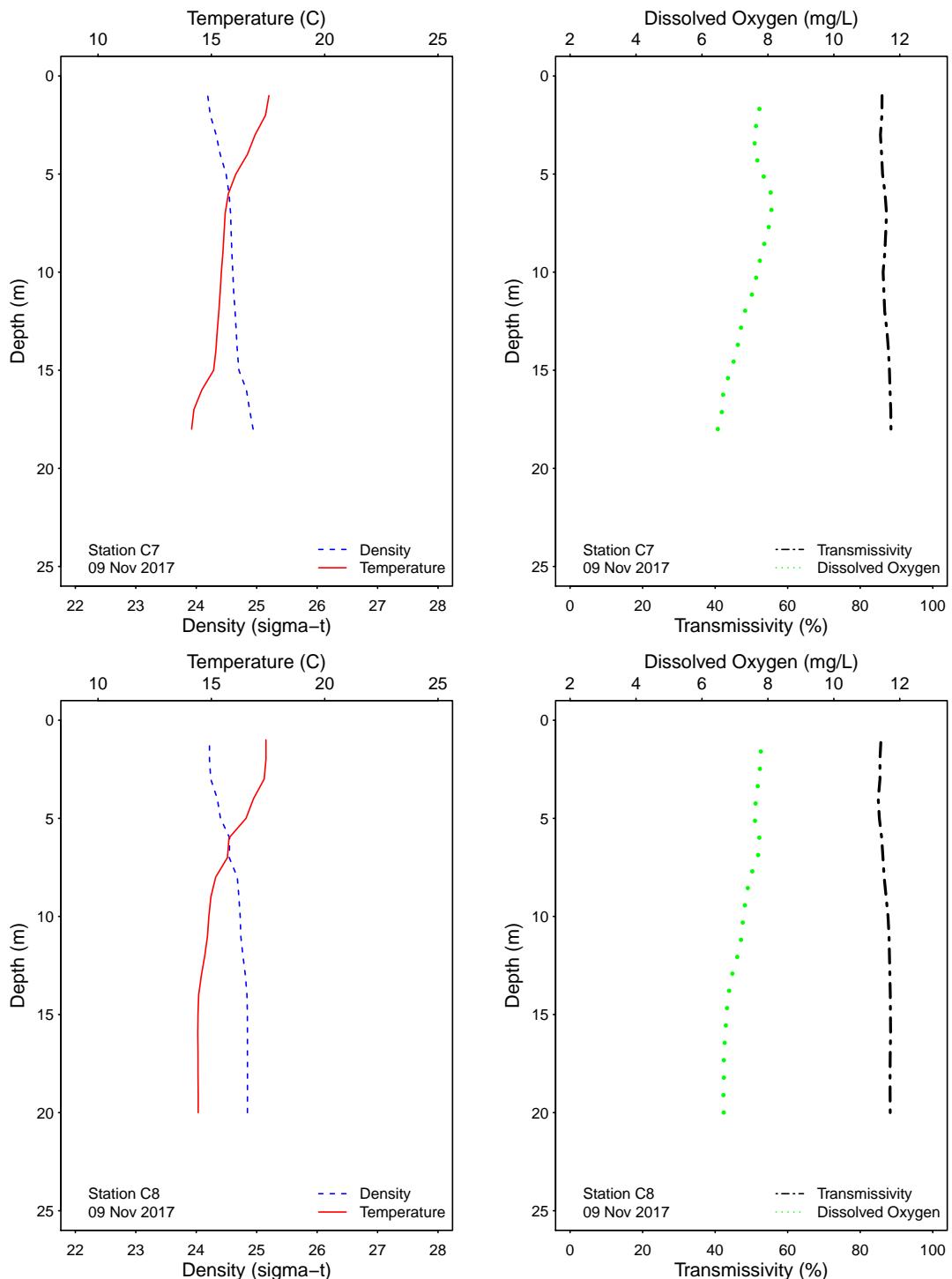


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

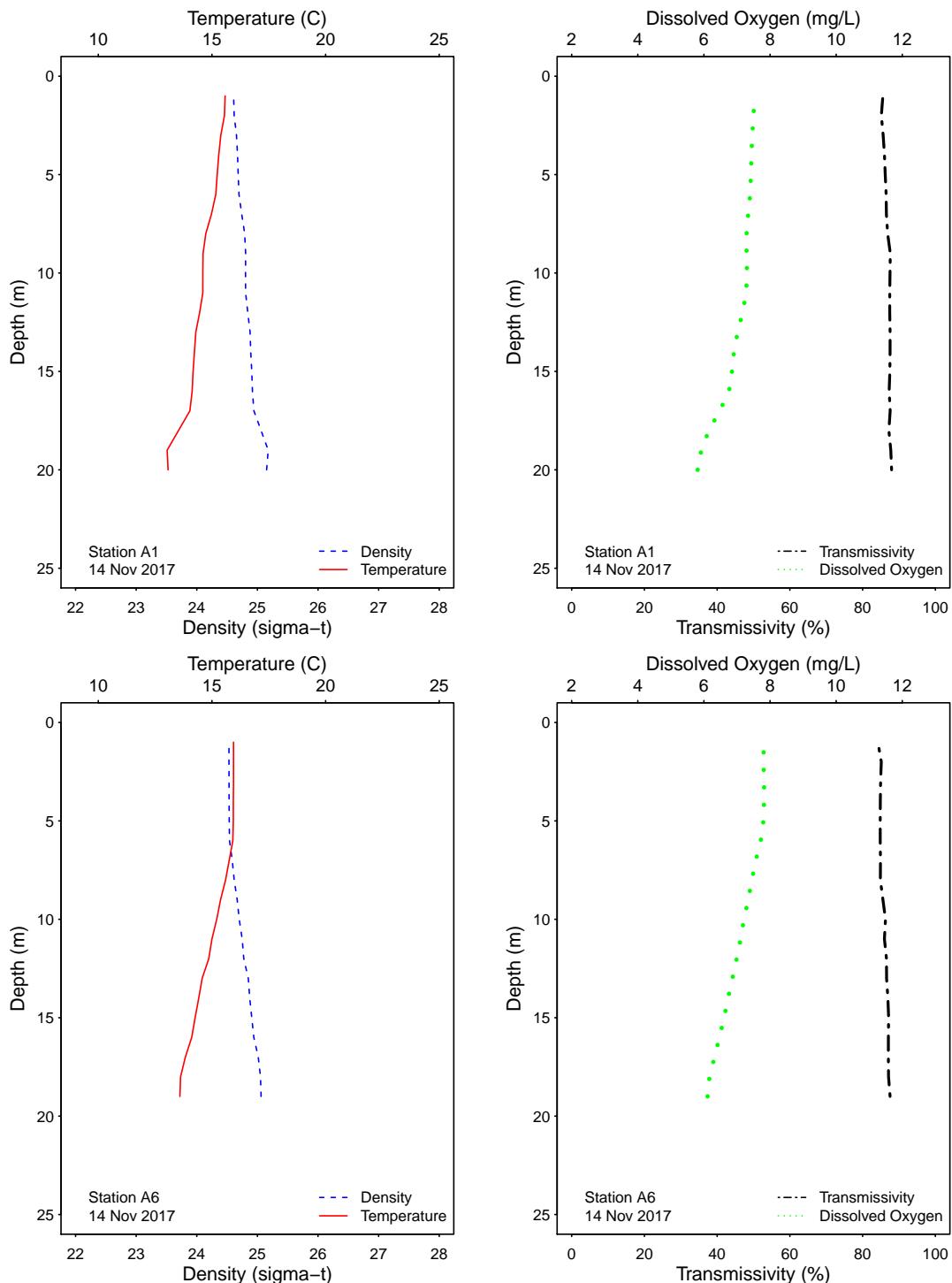


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

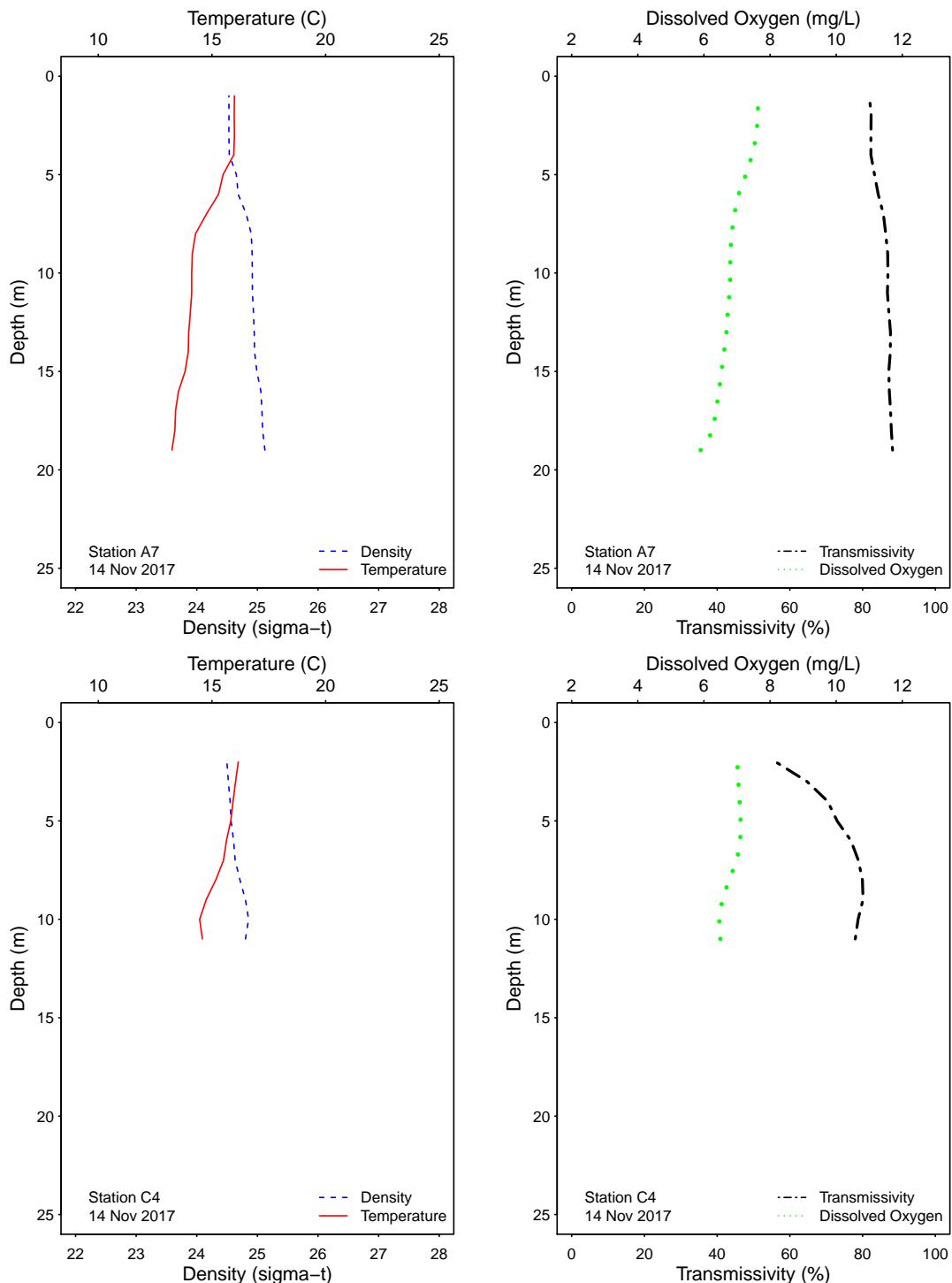


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

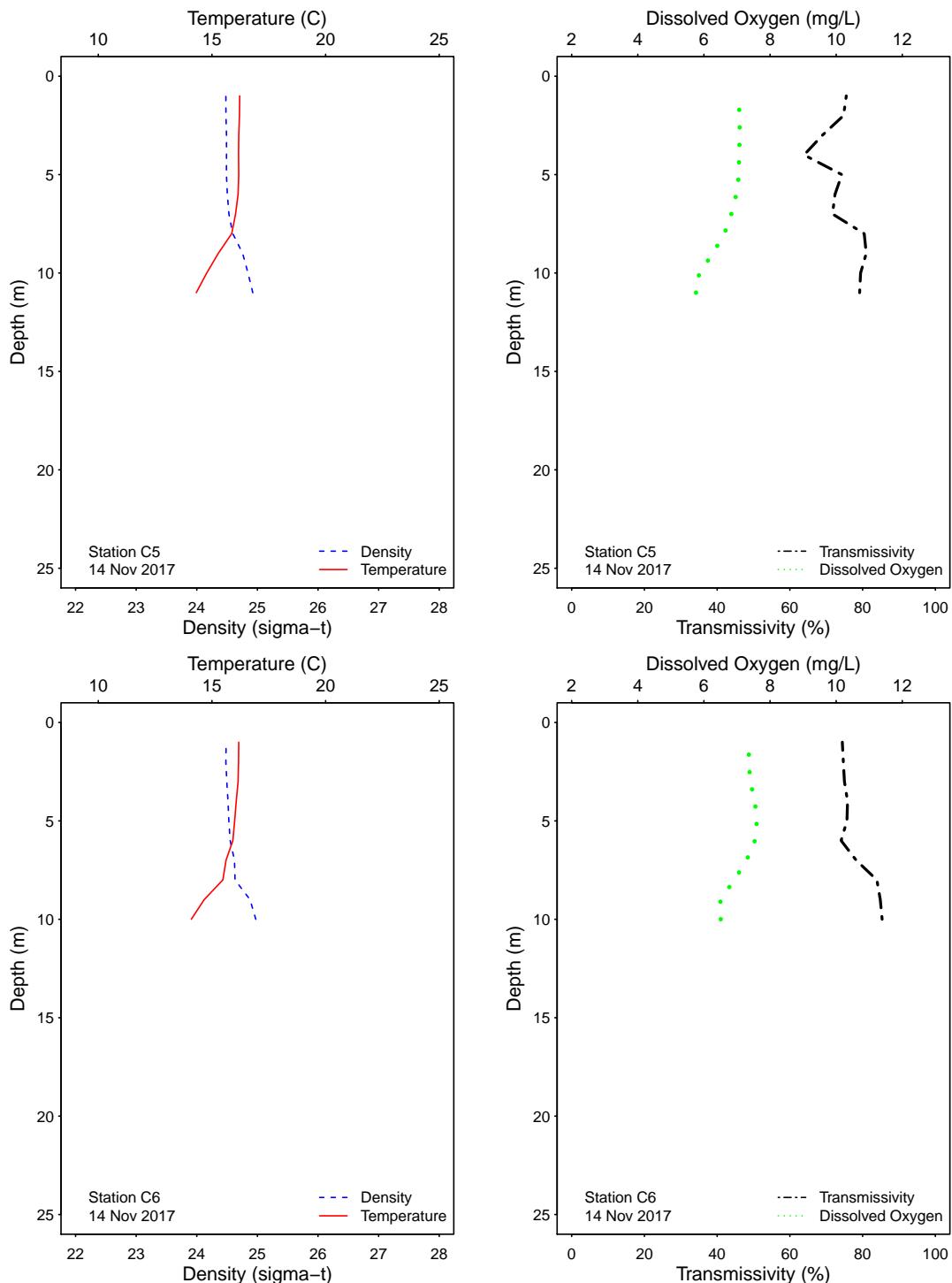


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

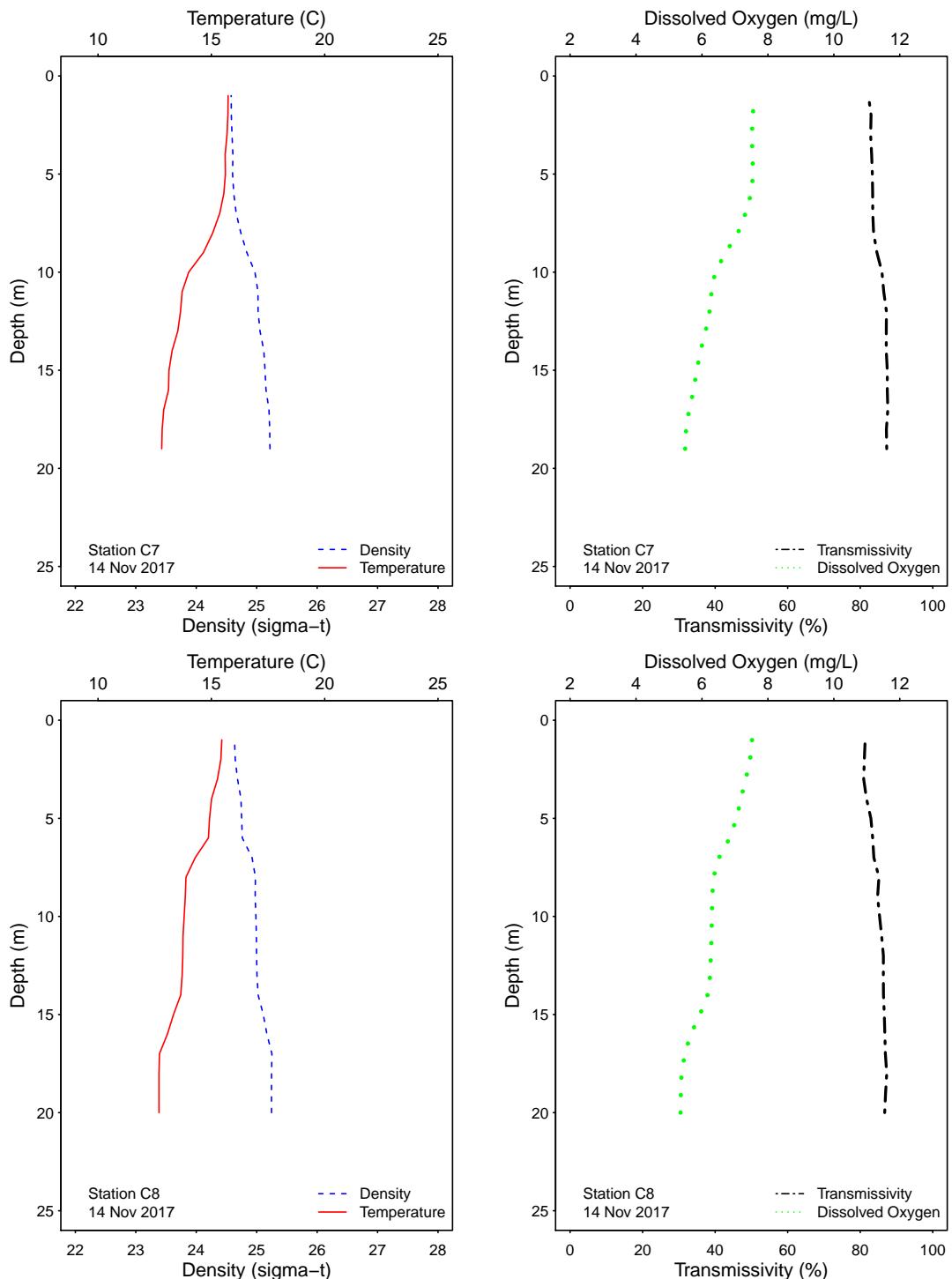


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

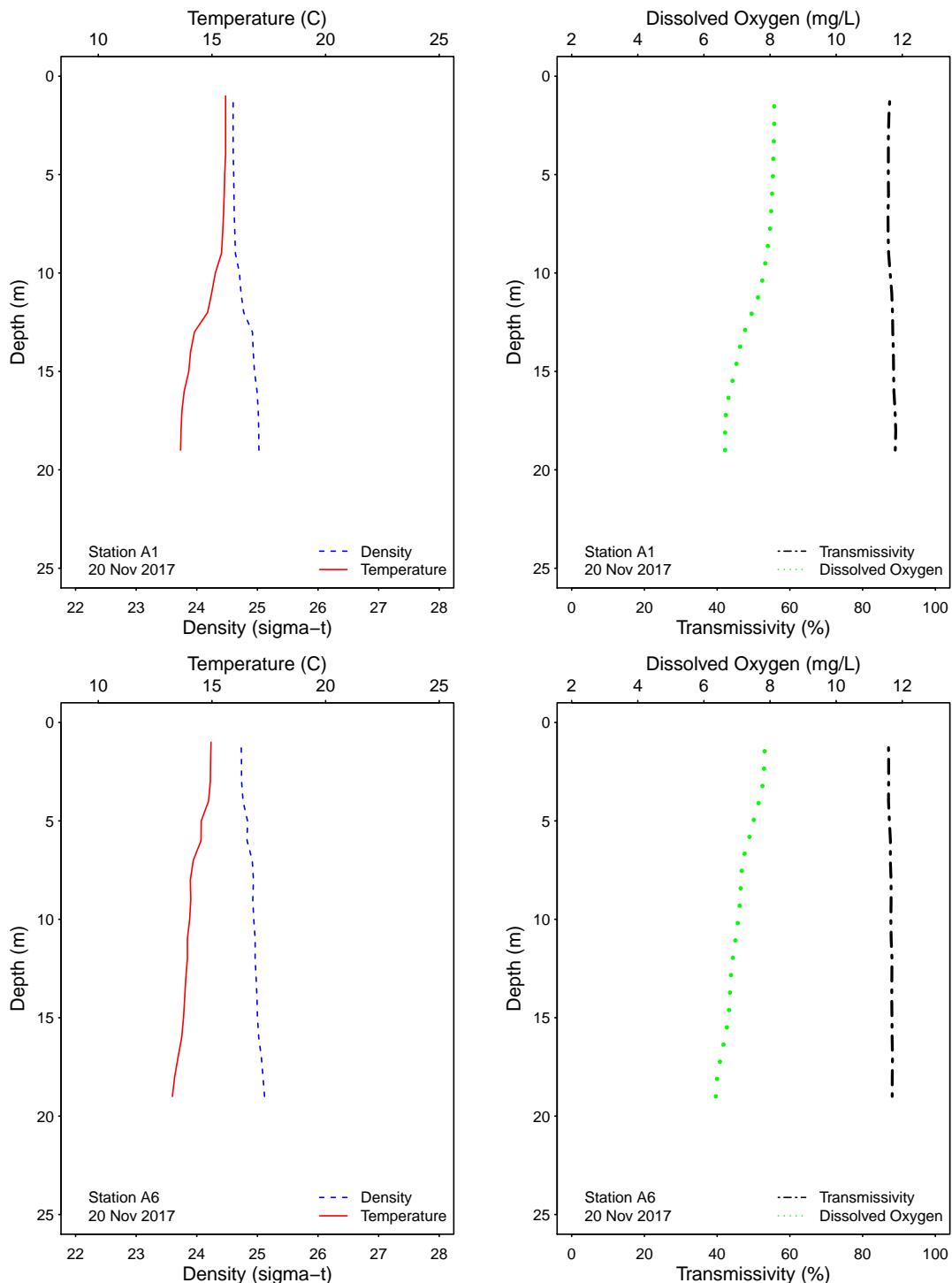


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

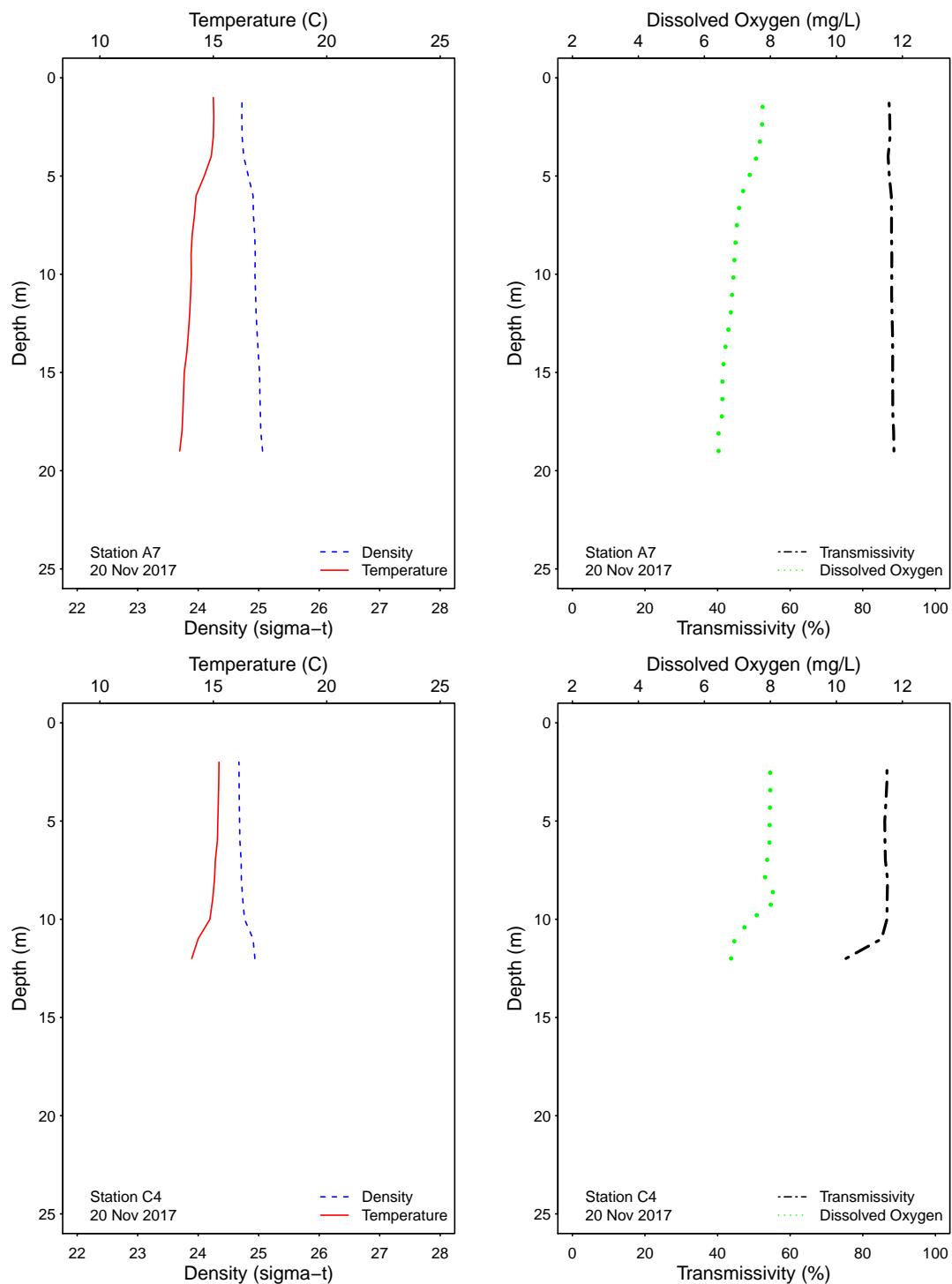


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

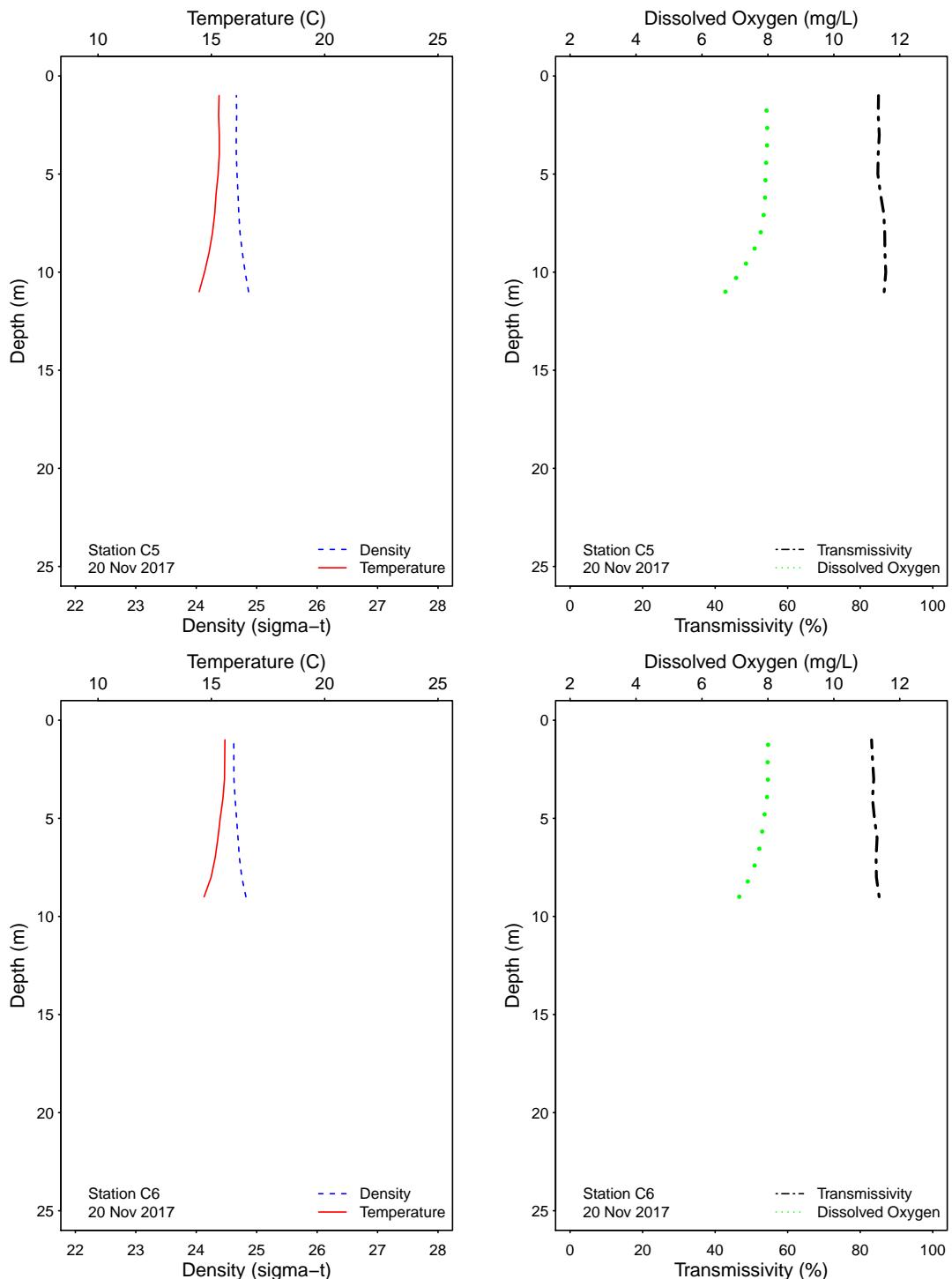


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

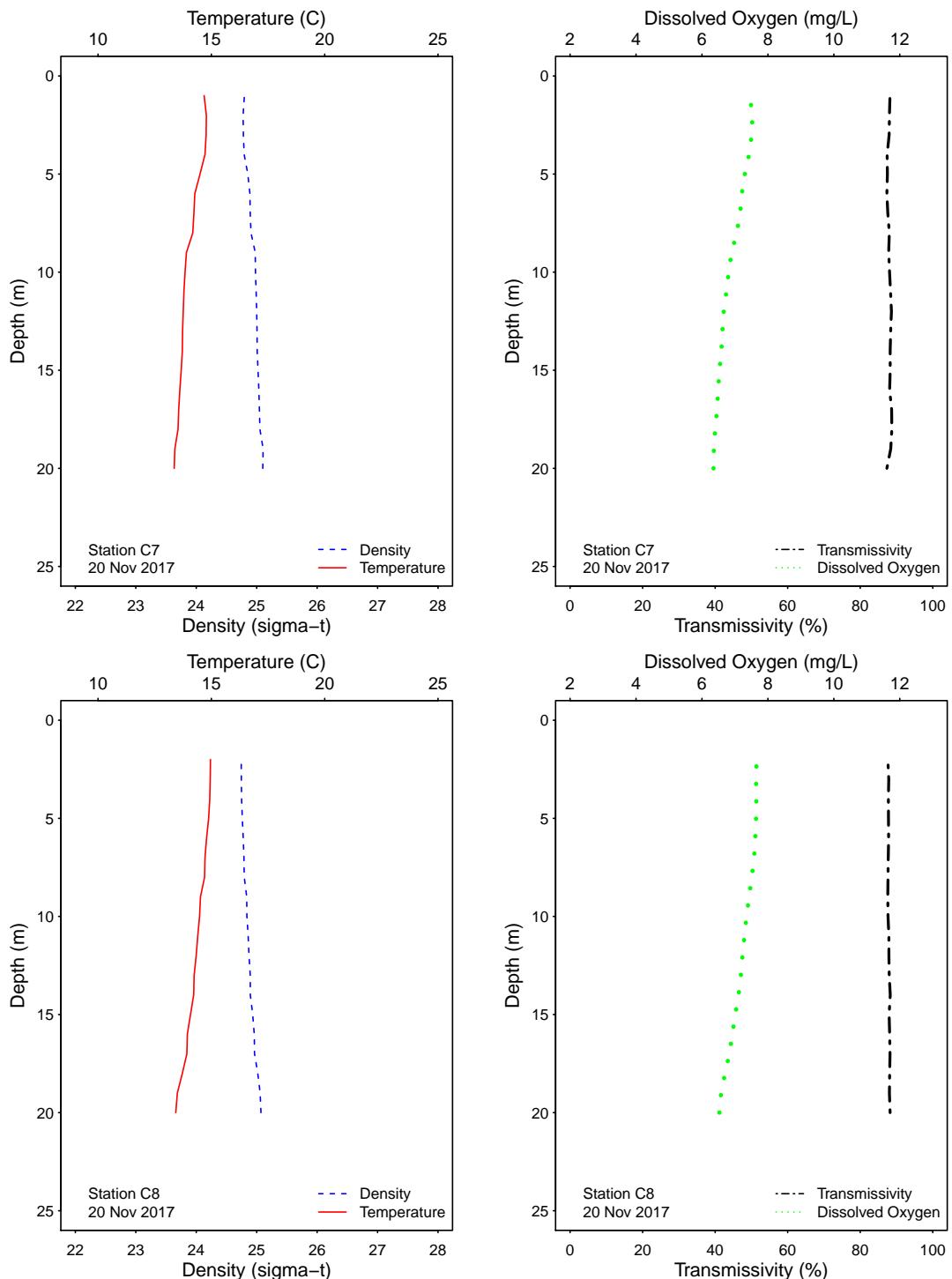


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

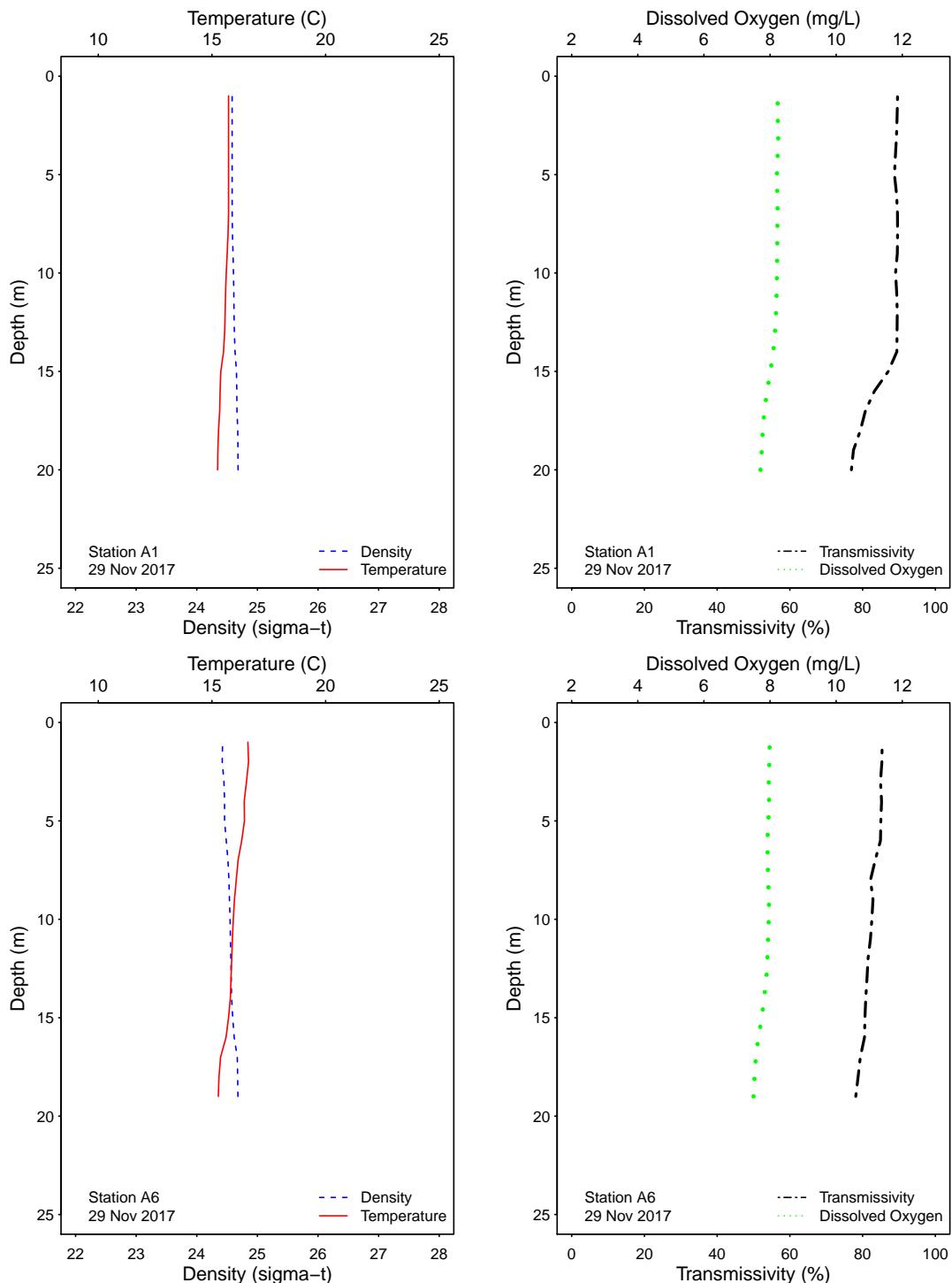


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

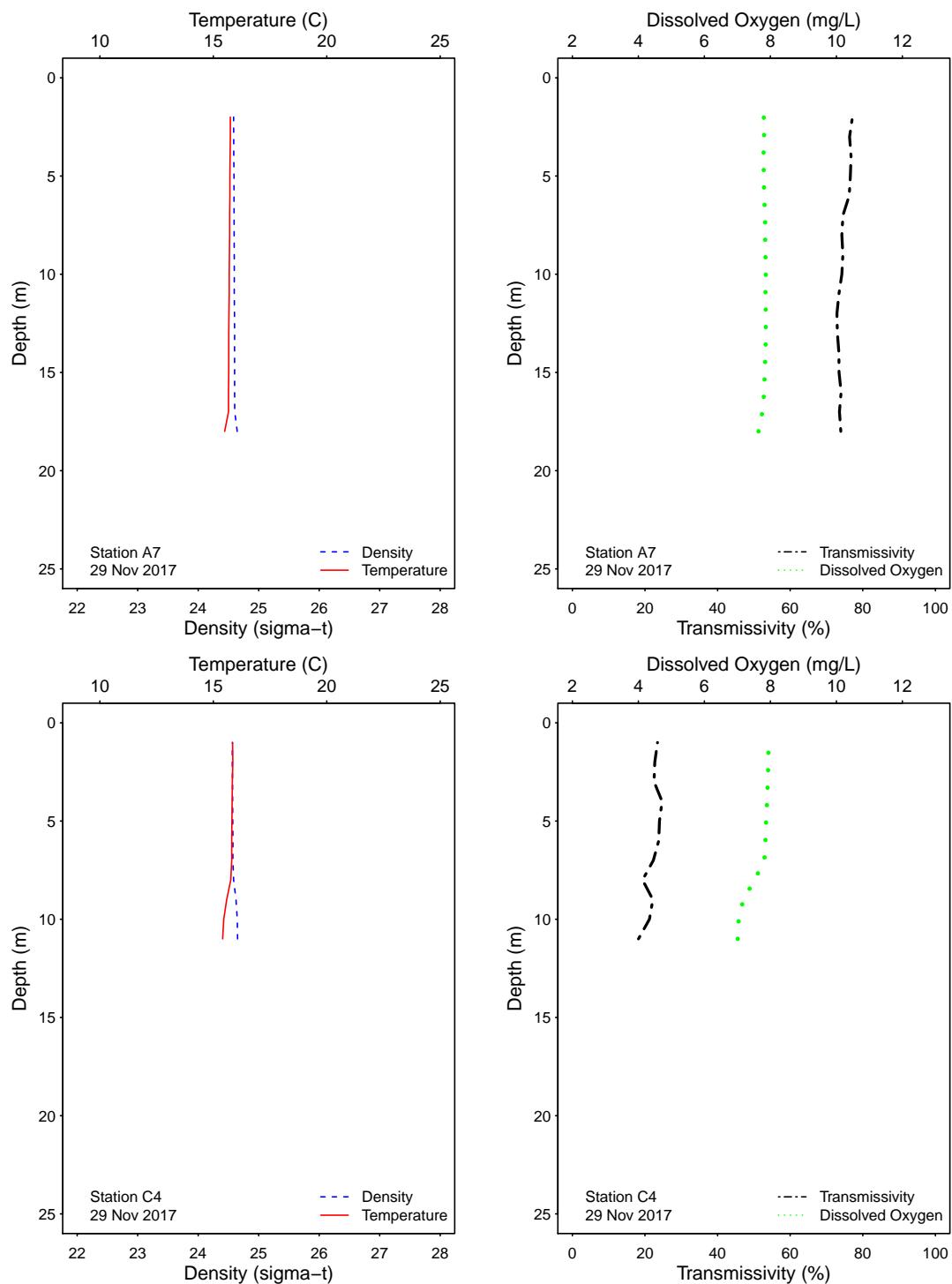


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

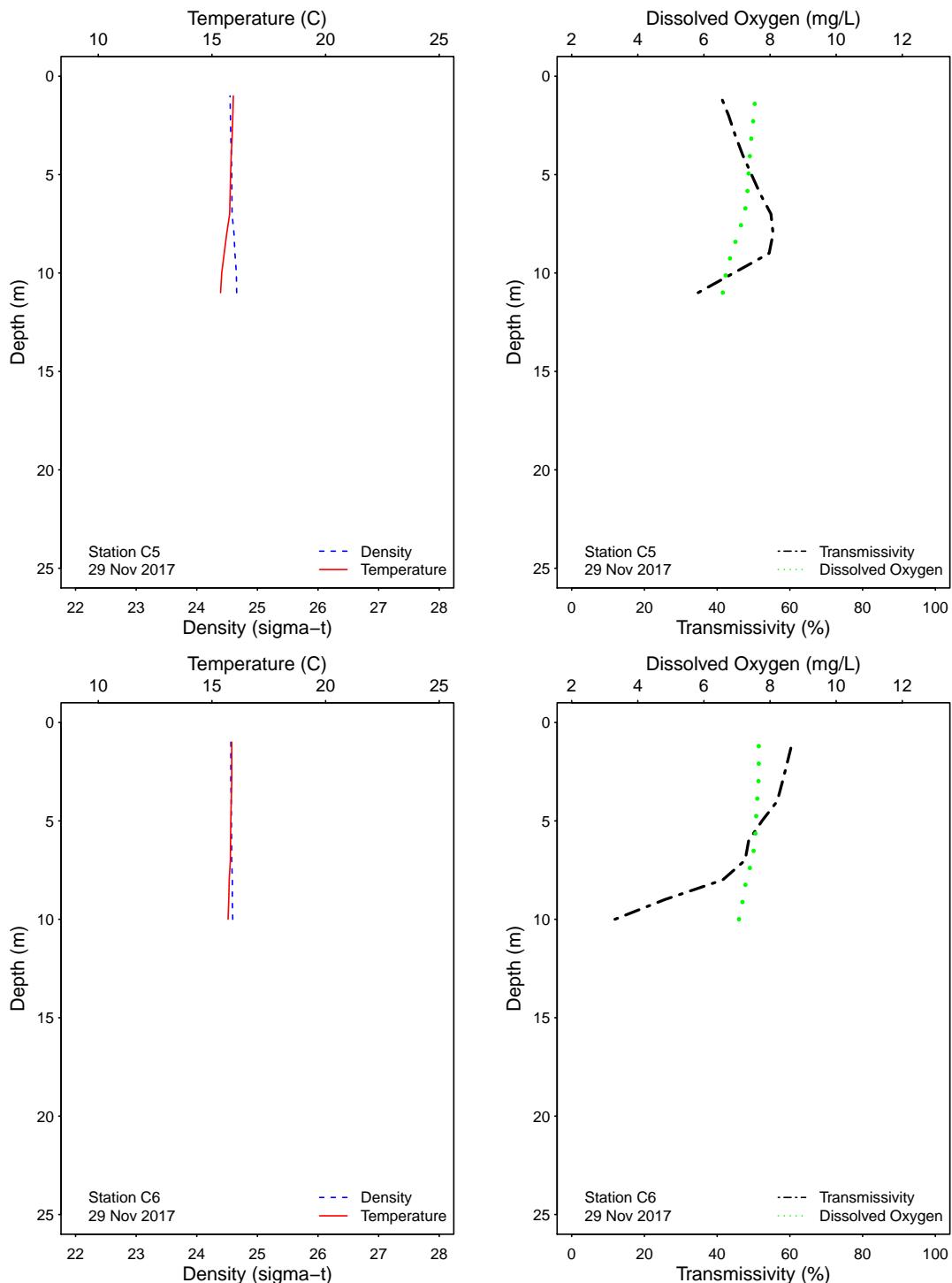


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

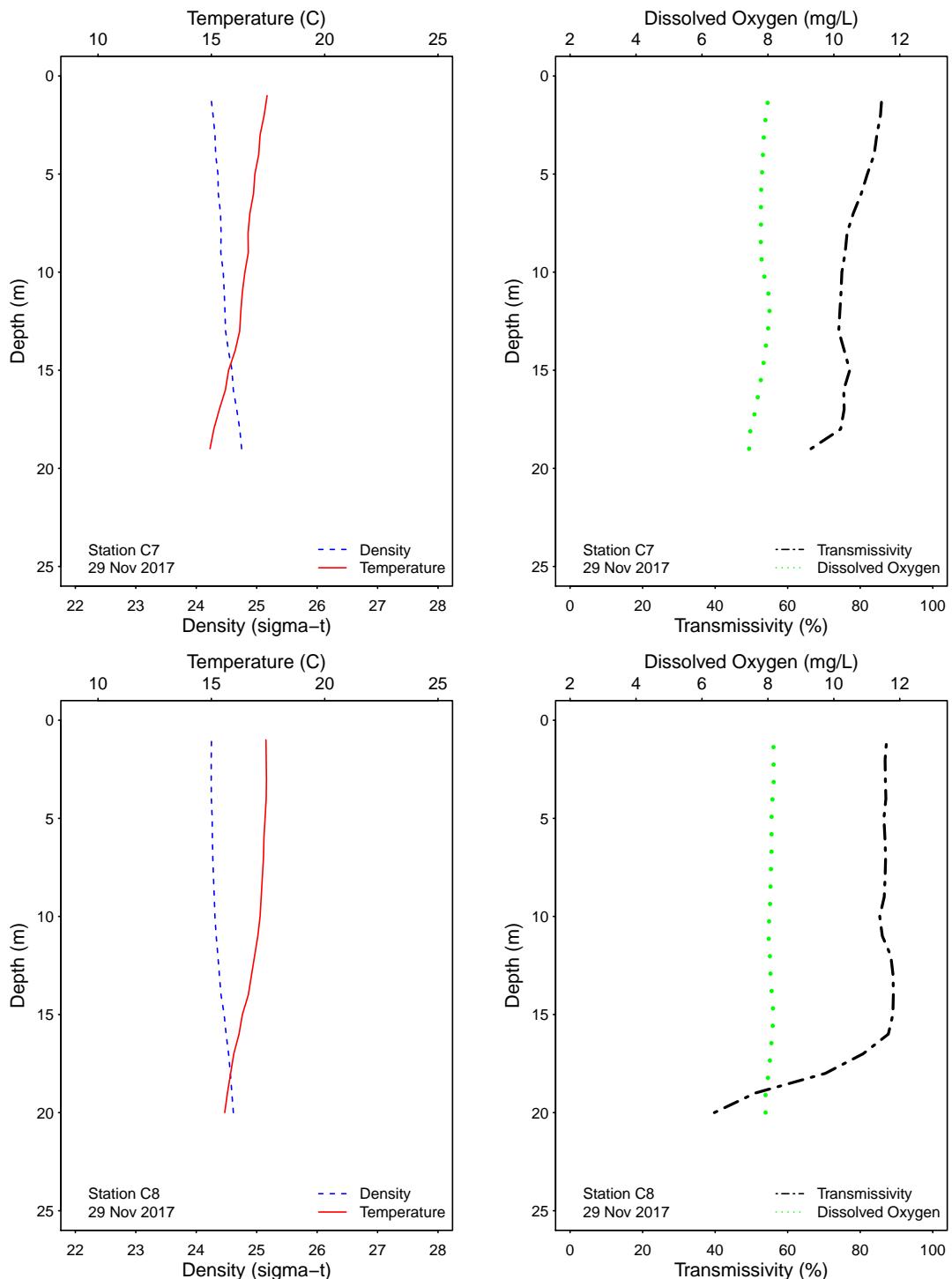


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

# 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
01 Nov 2017	IC	ns	IC	IC	IC	ns	ns	ns							
02 Nov 2017	ns	IC	IC	IC											
03 Nov 2017	ns	IC	ns	ns	ns	ns	ns	ns							

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	01 Nov 2017	1131	1	<2	18.1	87.07	8.1	33.41	8.2
F01	01 Nov 2017	1131	12	<2	17.4	84.92	8.1	33.39	8.2
F01	01 Nov 2017	1131	18	<2	16.6	80.89	7.6	33.39	8.1
F02	01 Nov 2017	810	1	6e	18.6	82.84	8.0	33.47	8.1
F02	01 Nov 2017	810	12	<2	17.4	81.88	8.0	33.40	8.1
F02	01 Nov 2017	810	18	2e	16.9	83.12	7.6	33.39	8.1
F03	01 Nov 2017	825	1	<2	19.1	85.14	7.9	33.49	8.2
F03	01 Nov 2017	825	12	<2	17.7	82.50	8.2	33.41	8.2
F03	01 Nov 2017	825	18	<2	17.1	83.63	7.8	33.40	8.1
F04	01 Nov 2017	1109	1	<2	12.8	87.72	6.0	33.42	8.0
F04	01 Nov 2017	1109	25	<2	15.0	88.81	7.6	33.38	8.1
F04	01 Nov 2017	1109	60	<2	13.0	87.78	6.1	33.41	8.0
F05	01 Nov 2017	1054	1	<2	19.0	87.40	8.2	33.47	8.2
F05	01 Nov 2017	1054	25	<2	14.8	88.90	7.5	33.37	8.1
F05	01 Nov 2017	1054	60	<2	13.0	86.82	6.1	33.41	8.0
F06	01 Nov 2017	1040	1	<2	12.7	83.82	5.8	33.43	8.0
F06	01 Nov 2017	1040	25	<2	14.8	88.87	7.5	33.37	8.1
F06	01 Nov 2017	1040	60	4e	13.1	86.37	6.0	33.41	8.0
F07	01 Nov 2017	1024	1	<2	18.8	86.77	6.8	33.40	8.2
F07	01 Nov 2017	1024	25	<2	15.4	85.26	7.8	33.37	8.1
F07	01 Nov 2017	1024	60	26e	12.8	80.86	5.7	33.42	8.0
F08	01 Nov 2017	1009	1	<2	18.4	87.26	8.0	33.43	8.2
F08	01 Nov 2017	1009	25	<2	16.1	84.50	7.6	33.37	8.1
F08	01 Nov 2017	1009	60	24e	13.6	80.39	6.2	33.38	8.0
F09	01 Nov 2017	956	1	<2	18.2	88.16	8.0	33.41	8.2
F09	01 Nov 2017	956	25	<2	16.4	84.38	7.7	33.37	8.1
F09	01 Nov 2017	956	60	12e	13.9	83.51	6.3	33.37	8.0
F10	01 Nov 2017	942	1	<2	18.1	83.74	8.2	33.42	8.2
F10	01 Nov 2017	942	25	<2	15.6	85.71	7.7	33.36	8.1
F10	01 Nov 2017	942	60	2e	13.5	76.62	5.9	33.38	8.0
F11	03 Nov 2017	823	1	<2	18.4	87.92	8.1	33.46	8.1
F11	03 Nov 2017	823	25	<2	14.9	88.51	7.3	33.36	8.0
F11	03 Nov 2017	823	60	<2	12.9	83.67	5.6	33.41	7.9
F12	01 Nov 2017	915	1	2e	18.3	85.28	8.2	33.43	8.2
F12	01 Nov 2017	915	25	<2	15.3	85.68	7.7	33.37	8.1
F12	01 Nov 2017	915	60	<2	13.2	81.56	6.0	33.40	8.0

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F13	01 Nov 2017	857	1	<2	18.3	86.80	8.1	33.42	8.2
F13	01 Nov 2017	857	25	<2	15.6	86.61	7.2	33.37	8.1
F13	01 Nov 2017	857	60	<2	13.0	88.53	6.1	33.41	8.0
F14	01 Nov 2017	841	1	<2	18.7	86.99	8.2	33.46	8.2
F14	01 Nov 2017	841	25	<2	15.7	87.27	7.3	33.36	8.1
F14	01 Nov 2017	841	60	<2	12.7	85.41	5.8	33.42	8.0
F15	02 Nov 2017	1117	1	<2	19.4	89.48	7.9	33.51	8.2
F15	02 Nov 2017	1117	25	<2	15.2	87.25	8.0	33.36	8.1
F15	02 Nov 2017	1117	60	<2	13.8	88.77	6.4	33.39	8.0
F15	02 Nov 2017	1117	80	<2	12.6	86.98	5.7	33.44	7.9
F16	02 Nov 2017	1105	1	<2	19.5	89.56	7.8	33.52	8.2
F16	02 Nov 2017	1105	25	<2	16.1	88.20	8.1	33.38	8.1
F16	02 Nov 2017	1105	60	<2	13.8	88.97	6.6	33.38	8.0
F16	02 Nov 2017	1105	80	<2	12.6	87.34	5.8	33.44	8.0
F17	02 Nov 2017	1051	1	<2	19.5	89.81	7.7	33.53	8.2
F17	02 Nov 2017	1051	25	<2	15.8	87.80	8.0	33.38	8.1
F17	02 Nov 2017	1051	60	<2	13.8	88.85	6.6	33.38	8.0
F17	02 Nov 2017	1051	80	2e	12.5	87.79	5.6	33.45	7.9
F18	02 Nov 2017	1039	1	<2	19.5	89.50	7.7	33.51	8.2
F18	02 Nov 2017	1039	25	<2	15.8	87.56	8.1	33.37	8.1
F18	02 Nov 2017	1039	60	<2	13.8	89.27	6.6	33.37	8.0
F18	02 Nov 2017	1039	80	4e	12.4	85.66	5.4	33.45	7.9
F19	02 Nov 2017	1026	1	2e	19.2	89.67	7.8	33.49	8.2
F19	02 Nov 2017	1026	25	<2	15.4	87.59	8.0	33.35	8.1
F19	02 Nov 2017	1026	60	<2	13.6	88.28	6.4	33.38	8.0
F19	02 Nov 2017	1026	80	46	12.5	83.72	5.3	33.44	7.9
F20	02 Nov 2017	1013	1	<2	19.0	88.76	7.8	33.46	8.2
F20	02 Nov 2017	1013	25	<2	14.8	88.34	7.4	33.36	8.1
F20	02 Nov 2017	1013	60	<2	13.4	89.65	6.5	33.38	8.0
F20	02 Nov 2017	1013	80	36e	12.4	86.41	5.3	33.45	7.9
F21	02 Nov 2017	957	1	<2	18.7	88.73	7.9	33.46	8.2
F21	02 Nov 2017	957	25	<2	14.7	88.79	7.5	33.34	8.1
F21	02 Nov 2017	957	60	<2	13.3	89.64	6.4	33.39	8.0
F21	02 Nov 2017	957	80	4e	12.6	88.69	5.7	33.43	7.9
F22	02 Nov 2017	942	1	<2	18.7	87.91	8.1	33.47	8.2
F22	02 Nov 2017	942	25	<2	14.7	88.03	7.3	33.35	8.1
F22	02 Nov 2017	942	60	<2	13.2	90.28	6.4	33.40	8.0
F22	02 Nov 2017	942	80	8e	12.4	85.92	5.4	33.45	7.9
F23	02 Nov 2017	928	1	<2	18.6	82.37	8.1	33.44	8.2
F23	02 Nov 2017	928	25	<2	15.4	87.69	7.4	33.35	8.1
F23	02 Nov 2017	928	60	<2	13.4	90.40	6.4	33.39	8.0
F23	02 Nov 2017	928	80	4e	12.4	87.14	5.4	33.45	7.9
F24	02 Nov 2017	912	1	<2	18.2	68.05	8.0	33.41	8.1
F24	02 Nov 2017	912	25	<2	15.3	87.83	7.4	33.36	8.1

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F24	02 Nov 2017	912	60	<2	13.3	90.33	6.3	33.40	8.0
F24	02 Nov 2017	912	80	8e	12.4	85.39	5.4	33.45	7.9
F25	02 Nov 2017	853	1	<2	18.4	84.83	8.3	33.44	8.1
F25	02 Nov 2017	853	25	<2	15.2	87.47	7.5	33.35	8.0
F25	02 Nov 2017	853	60	<2	13.3	90.30	6.4	33.39	8.0
F25	02 Nov 2017	853	80	26e	12.3	87.49	5.4	33.45	7.9
F26	03 Nov 2017	1216	1	<2	19.3	88.99	7.8	33.50	8.2
F26	03 Nov 2017	1216	25	<2	14.8	87.79	7.7	33.36	8.1
F26	03 Nov 2017	1216	60	6e	13.3	89.99	6.4	33.39	8.0
F26	03 Nov 2017	1216	80	32e	12.3	87.11	5.3	33.46	7.9
F26	03 Nov 2017	1216	98	14e	11.6	87.54	4.6	33.57	7.8
F27	03 Nov 2017	1159	1	<2	19.4	89.23	7.7	33.53	8.2
F27	03 Nov 2017	1159	25	<2	14.9	87.94	7.7	33.36	8.1
F27	03 Nov 2017	1159	60	30e	13.3	90.27	6.5	33.39	8.0
F27	03 Nov 2017	1159	80	34e	12.5	87.61	5.5	33.44	7.9
F27	03 Nov 2017	1159	98	30e	11.5	87.96	4.4	33.59	7.8
F28	03 Nov 2017	1139	1	<2	19.2	89.06	7.7	33.49	8.2
F28	03 Nov 2017	1139	25	<2	14.8	88.23	7.6	33.36	8.1
F28	03 Nov 2017	1139	60	<2	13.3	89.81	6.3	33.41	8.0
F28	03 Nov 2017	1139	80	440	12.7	88.78	5.6	33.40	7.9
F28	03 Nov 2017	1139	98	50	11.5	87.18	4.4	33.59	7.8
F29	03 Nov 2017	1122	1	<2	19.1	89.03	7.8	33.49	8.2
F29	03 Nov 2017	1122	25	<2	15.0	87.37	7.8	33.36	8.1
F29	03 Nov 2017	1122	60	<2	13.2	89.95	6.3	33.41	8.0
F29	03 Nov 2017	1122	80	<2	13.0	90.42	6.1	33.41	8.0
F29	03 Nov 2017	1122	98	86	12.0	87.45	5.0	33.51	7.9
F30	03 Nov 2017	1104	1	<2	19.2	89.20	7.8	33.50	8.2
F30	03 Nov 2017	1104	25	<2	15.3	87.31	8.0	33.36	8.1
F30	03 Nov 2017	1104	60	<2	13.1	90.13	6.2	33.41	8.0
F30	03 Nov 2017	1104	80	64	12.7	88.78	5.6	33.40	7.9
F30	03 Nov 2017	1104	98	120	12.5	86.62	5.3	33.39	7.9
F31	03 Nov 2017	1044	1	<2	19.2	89.28	7.8	33.50	8.2
F31	03 Nov 2017	1044	25	<2	16.0	87.11	8.1	33.37	8.1
F31	03 Nov 2017	1044	60	<2	13.1	90.00	6.1	33.42	8.0
F31	03 Nov 2017	1044	80	<2	12.8	90.21	5.8	33.43	7.9
F31	03 Nov 2017	1044	98	<2	12.2	88.16	5.2	33.48	7.9
F32	03 Nov 2017	1026	1	<2	19.2	89.48	7.8	33.51	8.2
F32	03 Nov 2017	1026	25	<2	16.1	88.84	8.2	33.37	8.1
F32	03 Nov 2017	1026	60	<2	13.1	90.07	6.1	33.42	8.0
F32	03 Nov 2017	1026	80	42	12.8	89.68	5.7	33.41	7.9
F32	03 Nov 2017	1026	98	6e	12.5	90.13	5.5	33.45	7.9
F33	03 Nov 2017	1003	1	<2	19.1	89.42	7.7	33.50	8.2
F33	03 Nov 2017	1003	25	<2	16.2	89.31	8.3	33.36	8.1
F33	03 Nov 2017	1003	60	<2	13.0	90.10	6.0	33.42	8.0
F33	03 Nov 2017	1003	80	62	12.6	89.26	5.6	33.41	7.9
F33	03 Nov 2017	1003	98	10e	12.4	89.51	5.5	33.43	7.9

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F34	03 Nov 2017	945	1	<2	19.0	89.24	7.8	33.50	8.2
F34	03 Nov 2017	945	25	<2	16.1	89.23	8.2	33.35	8.1
F34	03 Nov 2017	945	60	<2	13.0	89.81	6.0	33.42	8.0
F34	03 Nov 2017	945	80	32e	12.6	89.01	5.6	33.43	7.9
F34	03 Nov 2017	945	98	<2	12.2	90.22	5.2	33.49	7.9
F35	03 Nov 2017	852	1	<2	18.9	88.98	7.8	33.48	8.2
F35	03 Nov 2017	852	25	<2	15.8	89.29	8.3	33.35	8.1
F35	03 Nov 2017	852	60	<2	12.9	89.52	6.0	33.42	8.0
F35	03 Nov 2017	852	80	10e	12.6	89.54	5.6	33.44	7.9
F35	03 Nov 2017	852	98	2e	11.7	89.63	4.7	33.56	7.8
F36	03 Nov 2017	917	1	<2	18.9	88.68	7.8	33.48	8.2
F36	03 Nov 2017	917	25	<2	15.9	88.26	8.0	33.38	8.1
F36	03 Nov 2017	917	60	<2	13.0	90.05	6.1	33.41	8.0
F36	03 Nov 2017	917	80	<2	12.6	89.74	5.5	33.45	7.9
F36	03 Nov 2017	917	98	4e	11.8	89.01	4.9	33.54	7.8

ns = not sampled

ND = no data

**Comments**

Station	Date	Depth	Parameter	Comments
F11	01 Nov 2017			Unable to sample due to a Navy diving operation
F11	03 Nov 2017			Sample was taken with 100m stations due to Navy diving operation around the station for the last two days

**Table 4.3**

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

Station	Date	Parameter	Value
F01	01 Nov 2017	Depth (m)	22
F01	01 Nov 2017	Arrive Time	1131
F01	01 Nov 2017	Depart Time	1135
F01	01 Nov 2017	Air Temp (C)	19
F01	01 Nov 2017	Weather	Overcast
F01	01 Nov 2017	Visibility (mi)	8
F01	01 Nov 2017	Wind Speed (kts)	3
F01	01 Nov 2017	Wind Dir	NW
F01	01 Nov 2017	Water Color	Bluish-Green
F01	01 Nov 2017	Wave Ht Low (ft)	3
F01	01 Nov 2017	Wave Period (sec)	13
F01	01 Nov 2017	Sea State	Calm
F01	01 Nov 2017	High Tide (ft)	5.5
F01	01 Nov 2017	High Tide Time	744
F01	01 Nov 2017	Low Tide (ft)	0.5
F01	01 Nov 2017	Low Tide Time	1407
F01	01 Nov 2017	Comments	none
F02	01 Nov 2017	Depth (m)	21
F02	01 Nov 2017	Arrive Time	810
F02	01 Nov 2017	Depart Time	816
F02	01 Nov 2017	Air Temp (C)	18
F02	01 Nov 2017	Weather	Overcast
F02	01 Nov 2017	Visibility (mi)	8
F02	01 Nov 2017	Wind Speed (kts)	3
F02	01 Nov 2017	Wind Dir	SE
F02	01 Nov 2017	Water Color	Green
F02	01 Nov 2017	Wave Ht Low (ft)	3
F02	01 Nov 2017	Wave Period (sec)	13
F02	01 Nov 2017	Sea State	Calm
F02	01 Nov 2017	High Tide (ft)	5.5
F02	01 Nov 2017	High Tide Time	744
F02	01 Nov 2017	Low Tide (ft)	0.5
F02	01 Nov 2017	Low Tide Time	1407
F02	01 Nov 2017	Comments	none
F03	01 Nov 2017	Depth (m)	20
F03	01 Nov 2017	Arrive Time	825
F03	01 Nov 2017	Depart Time	831
F03	01 Nov 2017	Air Temp (C)	18
F03	01 Nov 2017	Weather	Overcast
F03	01 Nov 2017	Visibility (mi)	8
F03	01 Nov 2017	Wind Speed (kts)	5
F03	01 Nov 2017	Wind Dir	W
F03	01 Nov 2017	Water Color	Green
F03	01 Nov 2017	Wave Ht Low (ft)	3
F03	01 Nov 2017	Wave Period (sec)	13
F03	01 Nov 2017	Sea State	Calm
F03	01 Nov 2017	High Tide (ft)	5.5
F03	01 Nov 2017	High Tide Time	744
F03	01 Nov 2017	Low Tide (ft)	0.5

Station	Date	Parameter	Value
F03	01 Nov 2017	Low Tide Time	1407
F03	01 Nov 2017	Comments	none
F04	01 Nov 2017	Depth (m)	63
F04	01 Nov 2017	Arrive Time	1109
F04	01 Nov 2017	Depart Time	1116
F04	01 Nov 2017	Air Temp (C)	19
F04	01 Nov 2017	Weather	Overcast
F04	01 Nov 2017	Visibility (mi)	5
F04	01 Nov 2017	Wind Speed (kts)	4
F04	01 Nov 2017	Wind Dir	NW
F04	01 Nov 2017	Water Color	Bluish-Green
F04	01 Nov 2017	Wave Ht Low (ft)	3
F04	01 Nov 2017	Wave Period (sec)	13
F04	01 Nov 2017	Sea State	Calm
F04	01 Nov 2017	High Tide (ft)	5.5
F04	01 Nov 2017	High Tide Time	744
F04	01 Nov 2017	Low Tide (ft)	0.5
F04	01 Nov 2017	Low Tide Time	1407
F04	01 Nov 2017	Comments	none
F05	01 Nov 2017	Depth (m)	61
F05	01 Nov 2017	Arrive Time	1054
F05	01 Nov 2017	Depart Time	1057
F05	01 Nov 2017	Air Temp (C)	18
F05	01 Nov 2017	Weather	Overcast
F05	01 Nov 2017	Visibility (mi)	8
F05	01 Nov 2017	Wind Speed (kts)	2
F05	01 Nov 2017	Wind Dir	N
F05	01 Nov 2017	Water Color	Bluish-Green
F05	01 Nov 2017	Wave Ht Low (ft)	3
F05	01 Nov 2017	Wave Period (sec)	13
F05	01 Nov 2017	Sea State	Calm
F05	01 Nov 2017	High Tide (ft)	5.5
F05	01 Nov 2017	High Tide Time	744
F05	01 Nov 2017	Low Tide (ft)	0.5
F05	01 Nov 2017	Low Tide Time	1407
F05	01 Nov 2017	Comments	none
F06	01 Nov 2017	Depth (m)	62
F06	01 Nov 2017	Arrive Time	1040
F06	01 Nov 2017	Depart Time	1048
F06	01 Nov 2017	Air Temp (C)	18
F06	01 Nov 2017	Weather	Overcast
F06	01 Nov 2017	Visibility (mi)	8
F06	01 Nov 2017	Wind Speed (kts)	6
F06	01 Nov 2017	Wind Dir	E
F06	01 Nov 2017	Water Color	Bluish-Green
F06	01 Nov 2017	Wave Ht Low (ft)	3
F06	01 Nov 2017	Wave Period (sec)	13
F06	01 Nov 2017	Sea State	Calm
F06	01 Nov 2017	High Tide (ft)	5.5
F06	01 Nov 2017	High Tide Time	744
F06	01 Nov 2017	Low Tide (ft)	0.5
F06	01 Nov 2017	Low Tide Time	1407

Station	Date	Parameter	Value
F06	01 Nov 2017	Comments	none
F07	01 Nov 2017	Depth (m)	64
F07	01 Nov 2017	Arrive Time	1024
F07	01 Nov 2017	Depart Time	1033
F07	01 Nov 2017	Air Temp (C)	18
F07	01 Nov 2017	Weather	Overcast
F07	01 Nov 2017	Visibility (mi)	8
F07	01 Nov 2017	Wind Speed (kts)	7
F07	01 Nov 2017	Wind Dir	N
F07	01 Nov 2017	Water Color	Bluish-Green
F07	01 Nov 2017	Wave Ht Low (ft)	3
F07	01 Nov 2017	Wave Period (sec)	13
F07	01 Nov 2017	Sea State	Calm
F07	01 Nov 2017	High Tide (ft)	5.5
F07	01 Nov 2017	High Tide Time	744
F07	01 Nov 2017	Low Tide (ft)	0.5
F07	01 Nov 2017	Low Tide Time	1407
F07	01 Nov 2017	Comments	none
F08	01 Nov 2017	Depth (m)	62
F08	01 Nov 2017	Arrive Time	1009
F08	01 Nov 2017	Depart Time	1016
F08	01 Nov 2017	Air Temp (C)	18
F08	01 Nov 2017	Weather	Overcast
F08	01 Nov 2017	Visibility (mi)	8
F08	01 Nov 2017	Wind Speed (kts)	5
F08	01 Nov 2017	Wind Dir	SW
F08	01 Nov 2017	Water Color	Bluish-Green
F08	01 Nov 2017	Wave Ht Low (ft)	3
F08	01 Nov 2017	Wave Period (sec)	13
F08	01 Nov 2017	Sea State	Calm
F08	01 Nov 2017	High Tide (ft)	5.5
F08	01 Nov 2017	High Tide Time	744
F08	01 Nov 2017	Low Tide (ft)	0.5
F08	01 Nov 2017	Low Tide Time	1407
F08	01 Nov 2017	Comments	none
F09	01 Nov 2017	Depth (m)	62
F09	01 Nov 2017	Arrive Time	956
F09	01 Nov 2017	Depart Time	1002
F09	01 Nov 2017	Air Temp (C)	18
F09	01 Nov 2017	Weather	Overcast
F09	01 Nov 2017	Visibility (mi)	8
F09	01 Nov 2017	Wind Speed (kts)	9
F09	01 Nov 2017	Wind Dir	N
F09	01 Nov 2017	Water Color	Bluish-Green
F09	01 Nov 2017	Wave Ht Low (ft)	3
F09	01 Nov 2017	Wave Period (sec)	13
F09	01 Nov 2017	Sea State	Calm
F09	01 Nov 2017	High Tide (ft)	5.5
F09	01 Nov 2017	High Tide Time	744
F09	01 Nov 2017	Low Tide (ft)	0.5
F09	01 Nov 2017	Low Tide Time	1407
F09	01 Nov 2017	Comments	none

Station	Date	Parameter	Value
F10	01 Nov 2017	Depth (m)	62
F10	01 Nov 2017	Arrive Time	942
F10	01 Nov 2017	Depart Time	949
F10	01 Nov 2017	Air Temp (C)	18
F10	01 Nov 2017	Weather	Overcast
F10	01 Nov 2017	Visibility (mi)	8
F10	01 Nov 2017	Wind Speed (kts)	4
F10	01 Nov 2017	Wind Dir	SE
F10	01 Nov 2017	Water Color	Green
F10	01 Nov 2017	Wave Ht Low (ft)	3
F10	01 Nov 2017	Wave Period (sec)	13
F10	01 Nov 2017	Sea State	Calm
F10	01 Nov 2017	High Tide (ft)	5.5
F10	01 Nov 2017	High Tide Time	744
F10	01 Nov 2017	Low Tide (ft)	0.5
F10	01 Nov 2017	Low Tide Time	1407
F10	01 Nov 2017	Comments	F11 sampled out of order due to military activity on station
F11	03 Nov 2017	Depth (m)	61
F11	03 Nov 2017	Arrive Time	823
F11	03 Nov 2017	Depart Time	831
F11	03 Nov 2017	Air Temp (C)	16
F11	03 Nov 2017	Weather	Partly Cloudy
F11	03 Nov 2017	Visibility (mi)	10
F11	03 Nov 2017	Wind Speed (kts)	2
F11	03 Nov 2017	Wind Dir	E
F11	03 Nov 2017	Water Color	Greenish-Blue
F11	03 Nov 2017	Wave Ht Low (ft)	2
F11	03 Nov 2017	Wave Period (sec)	13
F11	03 Nov 2017	Sea State	Calm
F11	03 Nov 2017	High Tide (ft)	6.2
F11	03 Nov 2017	High Tide Time	845
F11	03 Nov 2017	Low Tide (ft)	-0.5
F11	03 Nov 2017	Low Tide Time	1527
F11	03 Nov 2017	Comments	Sampling occurred today as Naval vessel prevented approach to station over past two days
F12	01 Nov 2017	Depth (m)	63
F12	01 Nov 2017	Arrive Time	915
F12	01 Nov 2017	Depart Time	921
F12	01 Nov 2017	Air Temp (C)	18
F12	01 Nov 2017	Weather	Overcast
F12	01 Nov 2017	Visibility (mi)	8
F12	01 Nov 2017	Wind Speed (kts)	4
F12	01 Nov 2017	Wind Dir	N
F12	01 Nov 2017	Water Color	Green
F12	01 Nov 2017	Wave Ht Low (ft)	3
F12	01 Nov 2017	Wave Period (sec)	13
F12	01 Nov 2017	Sea State	Calm
F12	01 Nov 2017	High Tide (ft)	5.5
F12	01 Nov 2017	High Tide Time	744
F12	01 Nov 2017	Low Tide (ft)	0.5
F12	01 Nov 2017	Low Tide Time	1407
F12	01 Nov 2017	Comments	none

Station	Date	Parameter	Value
F13	01 Nov 2017	Depth (m)	62
F13	01 Nov 2017	Arrive Time	857
F13	01 Nov 2017	Depart Time	906
F13	01 Nov 2017	Air Temp (C)	18
F13	01 Nov 2017	Weather	Overcast
F13	01 Nov 2017	Visibility (mi)	8
F13	01 Nov 2017	Wind Speed (kts)	5
F13	01 Nov 2017	Wind Dir	SE
F13	01 Nov 2017	Water Color	Green
F13	01 Nov 2017	Wave Ht Low (ft)	3
F13	01 Nov 2017	Wave Period (sec)	13
F13	01 Nov 2017	Sea State	Calm
F13	01 Nov 2017	High Tide (ft)	5.5
F13	01 Nov 2017	High Tide Time	744
F13	01 Nov 2017	Low Tide (ft)	0.5
F13	01 Nov 2017	Low Tide Time	1407
F13	01 Nov 2017	Comments	none
F14	01 Nov 2017	Depth (m)	62
F14	01 Nov 2017	Arrive Time	841
F14	01 Nov 2017	Depart Time	850
F14	01 Nov 2017	Air Temp (C)	18
F14	01 Nov 2017	Weather	Overcast
F14	01 Nov 2017	Visibility (mi)	8
F14	01 Nov 2017	Wind Speed (kts)	5
F14	01 Nov 2017	Wind Dir	NE
F14	01 Nov 2017	Water Color	Green
F14	01 Nov 2017	Wave Ht Low (ft)	3
F14	01 Nov 2017	Wave Period (sec)	13
F14	01 Nov 2017	Sea State	Calm
F14	01 Nov 2017	High Tide (ft)	5.5
F14	01 Nov 2017	High Tide Time	744
F14	01 Nov 2017	Low Tide (ft)	0.5
F14	01 Nov 2017	Low Tide Time	1407
F14	01 Nov 2017	Comments	none
F15	02 Nov 2017	Depth (m)	81
F15	02 Nov 2017	Arrive Time	1117
F15	02 Nov 2017	Depart Time	1124
F15	02 Nov 2017	Air Temp (C)	18
F15	02 Nov 2017	Weather	Partly Cloudy
F15	02 Nov 2017	Visibility (mi)	12
F15	02 Nov 2017	Wind Speed (kts)	4
F15	02 Nov 2017	Wind Dir	NW
F15	02 Nov 2017	Water Color	Bluish-Green
F15	02 Nov 2017	Wave Ht Low (ft)	3
F15	02 Nov 2017	Wave Period (sec)	13
F15	02 Nov 2017	Sea State	Calm
F15	02 Nov 2017	High Tide (ft)	5.9
F15	02 Nov 2017	High Tide Time	813
F15	02 Nov 2017	Low Tide (ft)	0
F15	02 Nov 2017	Low Tide Time	1446
F15	02 Nov 2017	Comments	Boats

Station	Date	Parameter	Value
F16	02 Nov 2017	Depth (m)	82
F16	02 Nov 2017	Arrive Time	1105
F16	02 Nov 2017	Depart Time	1110
F16	02 Nov 2017	Air Temp (C)	18
F16	02 Nov 2017	Weather	Partly Cloudy
F16	02 Nov 2017	Visibility (mi)	12
F16	02 Nov 2017	Wind Speed (kts)	6
F16	02 Nov 2017	Wind Dir	NW
F16	02 Nov 2017	Water Color	Bluish-Green
F16	02 Nov 2017	Wave Ht Low (ft)	3
F16	02 Nov 2017	Wave Period (sec)	13
F16	02 Nov 2017	Sea State	Calm
F16	02 Nov 2017	High Tide (ft)	5.9
F16	02 Nov 2017	High Tide Time	813
F16	02 Nov 2017	Low Tide (ft)	0
F16	02 Nov 2017	Low Tide Time	1446
F16	02 Nov 2017	Comments	none
F17	02 Nov 2017	Depth (m)	81
F17	02 Nov 2017	Arrive Time	1051
F17	02 Nov 2017	Depart Time	1056
F17	02 Nov 2017	Air Temp (C)	18
F17	02 Nov 2017	Weather	Partly Cloudy
F17	02 Nov 2017	Visibility (mi)	12
F17	02 Nov 2017	Wind Speed (kts)	4
F17	02 Nov 2017	Wind Dir	NW
F17	02 Nov 2017	Water Color	Bluish-Green
F17	02 Nov 2017	Wave Ht Low (ft)	3
F17	02 Nov 2017	Wave Period (sec)	13
F17	02 Nov 2017	Sea State	Calm
F17	02 Nov 2017	High Tide (ft)	5.9
F17	02 Nov 2017	High Tide Time	813
F17	02 Nov 2017	Low Tide (ft)	0
F17	02 Nov 2017	Low Tide Time	1446
F17	02 Nov 2017	Comments	none
F18	02 Nov 2017	Depth (m)	82
F18	02 Nov 2017	Arrive Time	1039
F18	02 Nov 2017	Depart Time	1043
F18	02 Nov 2017	Air Temp (C)	18
F18	02 Nov 2017	Weather	Partly Cloudy
F18	02 Nov 2017	Visibility (mi)	12
F18	02 Nov 2017	Wind Speed (kts)	2
F18	02 Nov 2017	Wind Dir	NE
F18	02 Nov 2017	Water Color	Bluish-Green
F18	02 Nov 2017	Wave Ht Low (ft)	3
F18	02 Nov 2017	Wave Period (sec)	13
F18	02 Nov 2017	Sea State	Calm
F18	02 Nov 2017	High Tide (ft)	5.9
F18	02 Nov 2017	High Tide Time	813
F18	02 Nov 2017	Low Tide (ft)	0
F18	02 Nov 2017	Low Tide Time	1446
F18	02 Nov 2017	Comments	none
F19	02 Nov 2017	Depth (m)	83

Station	Date	Parameter	Value
F19	02 Nov 2017	Arrive Time	1026
F19	02 Nov 2017	Depart Time	1032
F19	02 Nov 2017	Air Temp (C)	18
F19	02 Nov 2017	Weather	Partly Cloudy
F19	02 Nov 2017	Visibility (mi)	12
F19	02 Nov 2017	Wind Speed (kts)	3
F19	02 Nov 2017	Wind Dir	N
F19	02 Nov 2017	Water Color	Bluish-Green
F19	02 Nov 2017	Wave Ht Low (ft)	3
F19	02 Nov 2017	Wave Period (sec)	13
F19	02 Nov 2017	Sea State	Calm
F19	02 Nov 2017	High Tide (ft)	5.9
F19	02 Nov 2017	High Tide Time	813
F19	02 Nov 2017	Low Tide (ft)	0
F19	02 Nov 2017	Low Tide Time	1446
F19	02 Nov 2017	Comments	none
F20	02 Nov 2017	Depth (m)	83
F20	02 Nov 2017	Arrive Time	1013
F20	02 Nov 2017	Depart Time	1018
F20	02 Nov 2017	Air Temp (C)	18
F20	02 Nov 2017	Weather	Partly Cloudy
F20	02 Nov 2017	Visibility (mi)	12
F20	02 Nov 2017	Wind Speed (kts)	2
F20	02 Nov 2017	Wind Dir	NE
F20	02 Nov 2017	Water Color	Bluish-Green
F20	02 Nov 2017	Wave Ht Low (ft)	3
F20	02 Nov 2017	Wave Period (sec)	13
F20	02 Nov 2017	Sea State	Calm
F20	02 Nov 2017	High Tide (ft)	5.9
F20	02 Nov 2017	High Tide Time	813
F20	02 Nov 2017	Low Tide (ft)	0
F20	02 Nov 2017	Low Tide Time	1446
F20	02 Nov 2017	Comments	Boats
F21	02 Nov 2017	Depth (m)	83
F21	02 Nov 2017	Arrive Time	957
F21	02 Nov 2017	Depart Time	1002
F21	02 Nov 2017	Air Temp (C)	18
F21	02 Nov 2017	Weather	Partly Cloudy
F21	02 Nov 2017	Visibility (mi)	10
F21	02 Nov 2017	Wind Speed (kts)	2
F21	02 Nov 2017	Wind Dir	W
F21	02 Nov 2017	Water Color	Bluish-Green
F21	02 Nov 2017	Wave Ht Low (ft)	3
F21	02 Nov 2017	Wave Period (sec)	13
F21	02 Nov 2017	Sea State	Calm
F21	02 Nov 2017	High Tide (ft)	5.9
F21	02 Nov 2017	High Tide Time	813
F21	02 Nov 2017	Low Tide (ft)	0
F21	02 Nov 2017	Low Tide Time	1446
F21	02 Nov 2017	Comments	Boats
F22	02 Nov 2017	Depth (m)	82
F22	02 Nov 2017	Arrive Time	942

Station	Date	Parameter	Value
F22	02 Nov 2017	Depart Time	947
F22	02 Nov 2017	Air Temp (C)	18
F22	02 Nov 2017	Weather	Partly Cloudy
F22	02 Nov 2017	Visibility (mi)	10
F22	02 Nov 2017	Wind Speed (kts)	3
F22	02 Nov 2017	Wind Dir	NW
F22	02 Nov 2017	Water Color	Green
F22	02 Nov 2017	Wave Ht Low (ft)	3
F22	02 Nov 2017	Wave Period (sec)	13
F22	02 Nov 2017	Sea State	Calm
F22	02 Nov 2017	High Tide (ft)	5.9
F22	02 Nov 2017	High Tide Time	813
F22	02 Nov 2017	Low Tide (ft)	0
F22	02 Nov 2017	Low Tide Time	1446
F22	02 Nov 2017	Comments	none
F24	02 Nov 2017	Depth (m)	83
F24	02 Nov 2017	Arrive Time	912
F24	02 Nov 2017	Depart Time	918
F24	02 Nov 2017	Air Temp (C)	18
F24	02 Nov 2017	Weather	Partly Cloudy
F24	02 Nov 2017	Visibility (mi)	8
F24	02 Nov 2017	Wind Speed (kts)	3
F24	02 Nov 2017	Wind Dir	W
F24	02 Nov 2017	Water Color	Green
F24	02 Nov 2017	Wave Ht Low (ft)	3
F24	02 Nov 2017	Wave Period (sec)	13
F24	02 Nov 2017	Sea State	Calm
F24	02 Nov 2017	High Tide (ft)	5.9
F24	02 Nov 2017	High Tide Time	813
F24	02 Nov 2017	Low Tide (ft)	0
F24	02 Nov 2017	Low Tide Time	1446
F24	02 Nov 2017	Comments	none
F25	02 Nov 2017	Depth (m)	80
F25	02 Nov 2017	Arrive Time	853
F25	02 Nov 2017	Depart Time	903
F25	02 Nov 2017	Air Temp (C)	18
F25	02 Nov 2017	Weather	Partly Cloudy
F25	02 Nov 2017	Visibility (mi)	8
F25	02 Nov 2017	Wind Speed (kts)	5
F25	02 Nov 2017	Wind Dir	S
F25	02 Nov 2017	Water Color	Green
F25	02 Nov 2017	Wave Ht Low (ft)	3
F25	02 Nov 2017	Wave Period (sec)	13
F25	02 Nov 2017	Sea State	Calm
F25	02 Nov 2017	High Tide (ft)	5.9
F25	02 Nov 2017	High Tide Time	813
F25	02 Nov 2017	Low Tide (ft)	0
F25	02 Nov 2017	Low Tide Time	1446
F25	02 Nov 2017	Comments	none
F26	03 Nov 2017	Depth (m)	99
F26	03 Nov 2017	Arrive Time	1216
F26	03 Nov 2017	Depart Time	1228

Station	Date	Parameter	Value
F26	03 Nov 2017	Air Temp (C)	18
F26	03 Nov 2017	Weather	Partly Cloudy
F26	03 Nov 2017	Visibility (mi)	12
F26	03 Nov 2017	Wind Speed (kts)	2
F26	03 Nov 2017	Wind Dir	W
F26	03 Nov 2017	Water Color	Blue
F26	03 Nov 2017	Wave Ht Low (ft)	2
F26	03 Nov 2017	Wave Period (sec)	13
F26	03 Nov 2017	Sea State	Wind ripples
F26	03 Nov 2017	High Tide (ft)	6.2
F26	03 Nov 2017	High Tide Time	845
F26	03 Nov 2017	Low Tide (ft)	-0.5
F26	03 Nov 2017	Low Tide Time	1527
F26	03 Nov 2017	Comments	none
F27	03 Nov 2017	Depth (m)	99
F27	03 Nov 2017	Arrive Time	1159
F27	03 Nov 2017	Depart Time	1210
F27	03 Nov 2017	Air Temp (C)	18
F27	03 Nov 2017	Weather	Partly Cloudy
F27	03 Nov 2017	Visibility (mi)	12
F27	03 Nov 2017	Wind Speed (kts)	0
F27	03 Nov 2017	Wind Dir	
F27	03 Nov 2017	Water Color	Blue
F27	03 Nov 2017	Wave Ht Low (ft)	2
F27	03 Nov 2017	Wave Period (sec)	13
F27	03 Nov 2017	Sea State	Wind ripples
F27	03 Nov 2017	High Tide (ft)	6.2
F27	03 Nov 2017	High Tide Time	845
F27	03 Nov 2017	Low Tide (ft)	-0.5
F27	03 Nov 2017	Low Tide Time	1527
F27	03 Nov 2017	Comments	none
F28	03 Nov 2017	Depth (m)	101
F28	03 Nov 2017	Arrive Time	1139
F28	03 Nov 2017	Depart Time	1149
F28	03 Nov 2017	Air Temp (C)	18
F28	03 Nov 2017	Weather	Partly Cloudy
F28	03 Nov 2017	Visibility (mi)	12
F28	03 Nov 2017	Wind Speed (kts)	0
F28	03 Nov 2017	Wind Dir	
F28	03 Nov 2017	Water Color	Blue
F28	03 Nov 2017	Wave Ht Low (ft)	2
F28	03 Nov 2017	Wave Period (sec)	13
F28	03 Nov 2017	Sea State	Wind ripples
F28	03 Nov 2017	High Tide (ft)	6.2
F28	03 Nov 2017	High Tide Time	845
F28	03 Nov 2017	Low Tide (ft)	-0.5
F28	03 Nov 2017	Low Tide Time	1527
F28	03 Nov 2017	Comments	none
F29	03 Nov 2017	Depth (m)	99
F29	03 Nov 2017	Arrive Time	1122
F29	03 Nov 2017	Depart Time	1133
F29	03 Nov 2017	Air Temp (C)	18

Station	Date	Parameter	Value
F29	03 Nov 2017	Weather	Partly Cloudy
F29	03 Nov 2017	Visibility (mi)	12
F29	03 Nov 2017	Wind Speed (kts)	2
F29	03 Nov 2017	Wind Dir	N
F29	03 Nov 2017	Water Color	Blue
F29	03 Nov 2017	Wave Ht Low (ft)	2
F29	03 Nov 2017	Wave Period (sec)	13
F29	03 Nov 2017	Sea State	Wind ripples
F29	03 Nov 2017	High Tide (ft)	6.2
F29	03 Nov 2017	High Tide Time	845
F29	03 Nov 2017	Low Tide (ft)	-0.5
F29	03 Nov 2017	Low Tide Time	1527
F29	03 Nov 2017	Comments	none
F30	03 Nov 2017	Depth (m)	99
F30	03 Nov 2017	Arrive Time	1104
F30	03 Nov 2017	Depart Time	1115
F30	03 Nov 2017	Air Temp (C)	17
F30	03 Nov 2017	Weather	Partly Cloudy
F30	03 Nov 2017	Visibility (mi)	10
F30	03 Nov 2017	Wind Speed (kts)	3
F30	03 Nov 2017	Wind Dir	SE
F30	03 Nov 2017	Water Color	Blue
F30	03 Nov 2017	Wave Ht Low (ft)	2
F30	03 Nov 2017	Wave Period (sec)	13
F30	03 Nov 2017	Sea State	Wind ripples
F30	03 Nov 2017	High Tide (ft)	6.2
F30	03 Nov 2017	High Tide Time	845
F30	03 Nov 2017	Low Tide (ft)	-0.5
F30	03 Nov 2017	Low Tide Time	1527
F30	03 Nov 2017	Comments	none
F31	03 Nov 2017	Depth (m)	100
F31	03 Nov 2017	Arrive Time	1044
F31	03 Nov 2017	Depart Time	1055
F31	03 Nov 2017	Air Temp (C)	17
F31	03 Nov 2017	Weather	Partly Cloudy
F31	03 Nov 2017	Visibility (mi)	10
F31	03 Nov 2017	Wind Speed (kts)	4
F31	03 Nov 2017	Wind Dir	S
F31	03 Nov 2017	Water Color	Blue
F31	03 Nov 2017	Wave Ht Low (ft)	2
F31	03 Nov 2017	Wave Period (sec)	13
F31	03 Nov 2017	Sea State	Wind ripples
F31	03 Nov 2017	High Tide (ft)	6.2
F31	03 Nov 2017	High Tide Time	845
F31	03 Nov 2017	Low Tide (ft)	-0.5
F31	03 Nov 2017	Low Tide Time	1527
F31	03 Nov 2017	Comments	none
F32	03 Nov 2017	Depth (m)	101
F32	03 Nov 2017	Arrive Time	1026
F32	03 Nov 2017	Depart Time	1035
F32	03 Nov 2017	Air Temp (C)	17
F32	03 Nov 2017	Weather	Partly Cloudy

Station	Date	Parameter	Value
F32	03 Nov 2017	Visibility (mi)	10
F32	03 Nov 2017	Wind Speed (kts)	5
F32	03 Nov 2017	Wind Dir	SE
F32	03 Nov 2017	Water Color	Blue
F32	03 Nov 2017	Wave Ht Low (ft)	2
F32	03 Nov 2017	Wave Period (sec)	13
F32	03 Nov 2017	Sea State	Calm
F32	03 Nov 2017	High Tide (ft)	6.2
F32	03 Nov 2017	High Tide Time	845
F32	03 Nov 2017	Low Tide (ft)	-0.5
F32	03 Nov 2017	Low Tide Time	1527
F32	03 Nov 2017	Comments	none
F33	03 Nov 2017	Depth (m)	101
F33	03 Nov 2017	Arrive Time	1003
F33	03 Nov 2017	Depart Time	1014
F33	03 Nov 2017	Air Temp (C)	17
F33	03 Nov 2017	Weather	Partly Cloudy
F33	03 Nov 2017	Visibility (mi)	10
F33	03 Nov 2017	Wind Speed (kts)	3
F33	03 Nov 2017	Wind Dir	SW
F33	03 Nov 2017	Water Color	Blue
F33	03 Nov 2017	Wave Ht Low (ft)	2
F33	03 Nov 2017	Wave Period (sec)	13
F33	03 Nov 2017	Sea State	Calm
F33	03 Nov 2017	High Tide (ft)	6.2
F33	03 Nov 2017	High Tide Time	845
F33	03 Nov 2017	Low Tide (ft)	-0.5
F33	03 Nov 2017	Low Tide Time	1527
F33	03 Nov 2017	Comments	none
F34	03 Nov 2017	Depth (m)	101
F34	03 Nov 2017	Arrive Time	945
F34	03 Nov 2017	Depart Time	954
F34	03 Nov 2017	Air Temp (C)	17
F34	03 Nov 2017	Weather	Partly Cloudy
F34	03 Nov 2017	Visibility (mi)	10
F34	03 Nov 2017	Wind Speed (kts)	3
F34	03 Nov 2017	Wind Dir	SW
F34	03 Nov 2017	Water Color	Blue
F34	03 Nov 2017	Wave Ht Low (ft)	2
F34	03 Nov 2017	Wave Period (sec)	13
F34	03 Nov 2017	Sea State	Calm
F34	03 Nov 2017	High Tide (ft)	6.2
F34	03 Nov 2017	High Tide Time	845
F34	03 Nov 2017	Low Tide (ft)	-0.5
F34	03 Nov 2017	Low Tide Time	1527
F34	03 Nov 2017	Comments	none
F35	03 Nov 2017	Depth (m)	100
F35	03 Nov 2017	Arrive Time	852
F35	03 Nov 2017	Depart Time	909
F35	03 Nov 2017	Air Temp (C)	16
F35	03 Nov 2017	Weather	Partly Cloudy
F35	03 Nov 2017	Visibility (mi)	10

Station	Date	Parameter	Value
F35	03 Nov 2017	Wind Speed (kts)	5
F35	03 Nov 2017	Wind Dir	SE
F35	03 Nov 2017	Water Color	Blue
F35	03 Nov 2017	Wave Ht Low (ft)	2
F35	03 Nov 2017	Wave Period (sec)	13
F35	03 Nov 2017	Sea State	Calm
F35	03 Nov 2017	High Tide (ft)	6.2
F35	03 Nov 2017	High Tide Time	845
F35	03 Nov 2017	Low Tide (ft)	-0.5
F35	03 Nov 2017	Low Tide Time	1527
F35	03 Nov 2017	Comments	F35 sampling completed first due to instrumentation error
F36	03 Nov 2017	Depth (m)	100
F36	03 Nov 2017	Arrive Time	917
F36	03 Nov 2017	Depart Time	930
F36	03 Nov 2017	Air Temp (C)	17
F36	03 Nov 2017	Weather	Partly Cloudy
F36	03 Nov 2017	Visibility (mi)	10
F36	03 Nov 2017	Wind Speed (kts)	4
F36	03 Nov 2017	Wind Dir	SW
F36	03 Nov 2017	Water Color	Blue
F36	03 Nov 2017	Wave Ht Low (ft)	2
F36	03 Nov 2017	Wave Period (sec)	13
F36	03 Nov 2017	Sea State	Calm
F36	03 Nov 2017	High Tide (ft)	6.2
F36	03 Nov 2017	High Tide Time	845
F36	03 Nov 2017	Low Tide (ft)	-0.5
F36	03 Nov 2017	Low Tide Time	1527
F36	03 Nov 2017	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 (σ-t)	Chlor (μg/L)
F01	01 Nov 2017	1	18.07	87.07	8.1	33.41	8.2	24.0	0.82
F01	01 Nov 2017	2	18.07	86.95	8.1	33.41	8.2	24.0	0.85
F01	01 Nov 2017	3	18.07	86.98	8.1	33.41	8.2	24.0	0.89
F01	01 Nov 2017	4	18.06	87.11	8.1	33.41	8.2	24.0	0.97
F01	01 Nov 2017	5	18.01	86.99	8.1	33.41	8.2	24.0	1.04
F01	01 Nov 2017	6	17.98	86.74	8.2	33.40	8.2	24.1	1.14
F01	01 Nov 2017	7	17.96	86.97	8.2	33.40	8.2	24.1	1.20
F01	01 Nov 2017	8	17.86	86.86	8.2	33.40	8.2	24.1	1.22
F01	01 Nov 2017	9	17.77	86.83	8.2	33.39	8.2	24.1	1.33
F01	01 Nov 2017	10	17.69	86.15	8.2	33.39	8.2	24.1	1.43
F01	01 Nov 2017	11	17.63	85.80	8.2	33.39	8.2	24.1	1.59
F01	01 Nov 2017	12	17.36	84.92	8.1	33.39	8.2	24.2	1.72
F01	01 Nov 2017	13	17.21	83.54	8.1	33.38	8.2	24.2	1.80
F01	01 Nov 2017	14	17.06	83.47	8.0	33.37	8.2	24.3	1.81
F01	01 Nov 2017	15	17.02	83.21	8.0	33.37	8.2	24.3	1.81
F01	01 Nov 2017	16	16.88	82.71	7.9	33.37	8.2	24.3	1.75
F01	01 Nov 2017	17	16.82	81.81	7.9	33.36	8.1	24.3	1.69
F01	01 Nov 2017	18	16.62	80.89	7.6	33.39	8.1	24.4	1.65
F01	01 Nov 2017	19	15.98	80.34	7.6	33.37	8.1	24.5	1.39
F01	01 Nov 2017	20	15.71	80.58	7.5	33.36	8.1	24.6	1.21
F02	01 Nov 2017	1	18.61	82.84	8.0	33.47	8.1	24.0	2.24
F02	01 Nov 2017	2	18.61	82.90	8.0	33.47	8.1	23.9	2.34
F02	01 Nov 2017	3	18.61	83.08	8.0	33.47	8.1	24.0	2.53
F02	01 Nov 2017	4	18.38	81.82	8.1	33.46	8.1	24.0	3.12
F02	01 Nov 2017	5	18.23	81.43	8.1	33.43	8.1	24.0	3.20
F02	01 Nov 2017	6	17.97	81.59	8.1	33.43	8.1	24.1	3.17
F02	01 Nov 2017	7	17.79	81.85	8.1	33.41	8.1	24.1	3.11
F02	01 Nov 2017	8	17.68	81.87	8.2	33.41	8.1	24.1	3.06
F02	01 Nov 2017	9	17.62	81.99	8.1	33.40	8.1	24.1	3.11
F02	01 Nov 2017	10	17.58	81.64	8.0	33.41	8.1	24.2	3.09
F02	01 Nov 2017	11	17.48	81.56	8.0	33.41	8.1	24.2	3.12
F02	01 Nov 2017	12	17.43	81.88	8.0	33.40	8.1	24.2	3.08
F02	01 Nov 2017	13	17.35	82.07	7.9	33.40	8.1	24.2	2.94
F02	01 Nov 2017	14	17.31	82.02	7.9	33.40	8.1	24.2	2.91
F02	01 Nov 2017	15	17.20	82.29	7.9	33.40	8.1	24.2	2.58
F02	01 Nov 2017	16	17.03	83.45	7.8	33.40	8.1	24.3	2.14
F02	01 Nov 2017	17	16.91	83.22	7.7	33.39	8.1	24.3	1.86
F02	01 Nov 2017	18	16.87	83.12	7.6	33.39	8.1	24.3	1.58
F02	01 Nov 2017	19	16.79	83.60	7.5	33.39	8.1	24.3	1.34
F02	01 Nov 2017	20	16.60	83.64	7.3	33.39	8.1	24.4	1.13
F02	01 Nov 2017	21	16.39	82.19	7.2	33.39	8.1	24.4	0.99
F03	01 Nov 2017	1	19.09	85.14	7.9	33.49	8.2	23.8	1.85
F03	01 Nov 2017	2	19.10	85.00	7.9	33.49	8.2	23.8	1.89
F03	01 Nov 2017	3	19.09	84.77	8.0	33.49	8.2	23.8	2.04
F03	01 Nov 2017	4	18.98	84.27	7.9	33.50	8.2	23.9	2.48
F03	01 Nov 2017	5	18.55	82.75	8.0	33.47	8.2	24.0	2.93
F03	01 Nov 2017	6	18.26	82.71	8.2	33.45	8.2	24.0	2.72
F03	01 Nov 2017	7	18.13	82.91	8.3	33.42	8.2	24.0	2.67
F03	01 Nov 2017	8	18.05	82.80	8.4	33.42	8.2	24.0	2.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	01 Nov 2017	9	17.91	83.13	8.4	33.41	8.2	24.1	2.62
F03	01 Nov 2017	10	17.82	82.88	8.4	33.40	8.2	24.1	2.58
F03	01 Nov 2017	11	17.79	83.04	8.3	33.40	8.2	24.1	2.65
F03	01 Nov 2017	12	17.69	82.50	8.2	33.41	8.2	24.1	2.67
F03	01 Nov 2017	13	17.66	83.06	8.2	33.40	8.1	24.1	2.65
F03	01 Nov 2017	14	17.63	82.30	8.1	33.40	8.1	24.1	2.70
F03	01 Nov 2017	15	17.57	82.80	8.1	33.40	8.1	24.2	2.74
F03	01 Nov 2017	16	17.52	82.95	8.0	33.41	8.1	24.2	2.82
F03	01 Nov 2017	17	17.30	83.25	7.9	33.41	8.1	24.2	2.75
F03	01 Nov 2017	18	17.07	83.63	7.8	33.40	8.1	24.3	2.44
F03	01 Nov 2017	19	17.02	85.64	7.8	33.39	8.1	24.3	1.96
F03	01 Nov 2017	20	16.59	83.62	7.6	33.40	8.1	24.4	1.61
F04	01 Nov 2017	2	19.13	87.42	8.0	33.47	8.2	23.8	0.71
F04	01 Nov 2017	3	19.13	87.45	8.0	33.47	8.2	23.8	0.74
F04	01 Nov 2017	4	19.12	87.71	8.0	33.47	8.2	23.8	0.75
F04	01 Nov 2017	5	19.11	87.21	8.0	33.47	8.2	23.8	0.77
F04	01 Nov 2017	6	19.10	87.52	8.0	33.47	8.2	23.8	0.79
F04	01 Nov 2017	7	19.08	87.53	8.0	33.47	8.2	23.8	0.80
F04	01 Nov 2017	8	19.03	87.54	8.1	33.47	8.2	23.8	0.84
F04	01 Nov 2017	9	18.99	87.50	8.0	33.47	8.2	23.9	0.87
F04	01 Nov 2017	10	18.67	87.21	8.1	33.47	8.2	23.9	1.01
F04	01 Nov 2017	11	18.44	86.88	8.2	33.43	8.2	24.0	1.22
F04	01 Nov 2017	12	18.35	86.57	8.2	33.43	8.2	24.0	1.30
F04	01 Nov 2017	13	18.07	86.55	8.3	33.43	8.2	24.1	1.37
F04	01 Nov 2017	14	17.80	86.58	8.2	33.43	8.2	24.1	1.45
F04	01 Nov 2017	15	17.39	86.77	8.1	33.43	8.2	24.2	1.54
F04	01 Nov 2017	16	16.34	86.83	8.0	33.45	8.2	24.5	1.73
F04	01 Nov 2017	17	15.95	86.66	7.9	33.38	8.2	24.5	1.98
F04	01 Nov 2017	18	15.83	87.23	7.9	33.37	8.2	24.5	2.01
F04	01 Nov 2017	19	15.79	87.58	7.9	33.36	8.2	24.5	2.01
F04	01 Nov 2017	20	15.75	87.61	7.9	33.36	8.2	24.5	1.99
F04	01 Nov 2017	21	15.70	87.82	7.8	33.36	8.2	24.6	1.92
F04	01 Nov 2017	22	15.62	87.90	7.8	33.37	8.2	24.6	1.85
F04	01 Nov 2017	23	15.54	88.28	7.7	33.37	8.2	24.6	1.72
F04	01 Nov 2017	24	15.30	88.63	7.7	33.37	8.2	24.7	1.62
F04	01 Nov 2017	25	14.96	88.81	7.6	33.38	8.1	24.7	1.50
F04	01 Nov 2017	26	14.58	89.17	7.4	33.37	8.1	24.8	1.38
F04	01 Nov 2017	27	14.43	89.21	7.3	33.37	8.1	24.8	1.32
F04	01 Nov 2017	28	14.38	89.24	7.2	33.36	8.1	24.8	1.32
F04	01 Nov 2017	29	14.31	89.24	7.1	33.37	8.1	24.9	1.26
F04	01 Nov 2017	30	14.20	89.17	7.0	33.37	8.1	24.9	1.24
F04	01 Nov 2017	31	14.08	89.08	6.9	33.38	8.1	24.9	1.22
F04	01 Nov 2017	32	13.95	88.88	6.8	33.38	8.1	24.9	1.19
F04	01 Nov 2017	33	13.91	88.68	6.7	33.38	8.1	25.0	1.19
F04	01 Nov 2017	34	13.91	88.43	6.6	33.38	8.1	25.0	1.18
F04	01 Nov 2017	35	13.90	88.22	6.6	33.38	8.1	25.0	1.17
F04	01 Nov 2017	36	13.90	88.13	6.6	33.38	8.1	25.0	1.16
F04	01 Nov 2017	37	13.89	87.98	6.6	33.38	8.1	25.0	1.15
F04	01 Nov 2017	38	13.89	87.83	6.6	33.38	8.1	25.0	1.14
F04	01 Nov 2017	39	13.89	87.80	6.6	33.38	8.1	25.0	1.11
F04	01 Nov 2017	40	13.87	87.72	6.5	33.38	8.1	25.0	1.07
F04	01 Nov 2017	41	13.86	87.64	6.5	33.38	8.1	25.0	1.05
F04	01 Nov 2017	42	13.85	87.61	6.5	33.38	8.1	25.0	1.04
F04	01 Nov 2017	43	13.83	87.48	6.5	33.38	8.1	25.0	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	01 Nov 2017	44	13.81	87.38	6.5	33.38	8.1	25.0	0.99
F04	01 Nov 2017	45	13.81	87.63	6.5	33.38	8.0	25.0	1.00
F04	01 Nov 2017	46	13.80	87.74	6.4	33.39	8.0	25.0	1.03
F04	01 Nov 2017	47	13.79	87.91	6.4	33.39	8.0	25.0	1.02
F04	01 Nov 2017	48	13.78	87.87	6.4	33.39	8.0	25.0	1.01
F04	01 Nov 2017	49	13.75	87.60	6.4	33.39	8.0	25.0	1.00
F04	01 Nov 2017	50	13.72	87.82	6.4	33.39	8.0	25.0	0.97
F04	01 Nov 2017	51	13.64	87.85	6.4	33.39	8.0	25.0	0.93
F04	01 Nov 2017	52	13.52	87.78	6.4	33.39	8.0	25.0	0.87
F04	01 Nov 2017	53	13.44	87.90	6.4	33.39	8.0	25.1	0.83
F04	01 Nov 2017	54	13.36	87.84	6.3	33.39	8.0	25.1	0.78
F04	01 Nov 2017	55	13.31	87.58	6.3	33.39	8.0	25.1	0.75
F04	01 Nov 2017	56	13.27	87.28	6.2	33.39	8.0	25.1	0.72
F04	01 Nov 2017	57	13.25	87.39	6.2	33.39	8.0	25.1	0.72
F04	01 Nov 2017	58	13.24	87.43	6.2	33.39	8.0	25.1	0.71
F04	01 Nov 2017	59	13.05	87.50	6.2	33.41	8.0	25.2	0.73
F04	01 Nov 2017	60	12.97	87.78	6.1	33.41	8.0	25.2	0.67
F04	01 Nov 2017	61	12.88	87.74	6.0	33.42	8.0	25.2	0.66
F04	01 Nov 2017	62	12.80	87.72	6.0	33.42	8.0	25.2	0.63
F05	01 Nov 2017	1	19.01	87.40	8.2	33.47	8.2	23.8	0.72
F05	01 Nov 2017	2	19.02	87.74	8.1	33.47	8.2	23.8	0.72
F05	01 Nov 2017	3	19.00	87.62	8.1	33.47	8.2	23.9	0.74
F05	01 Nov 2017	4	18.98	87.45	8.2	33.47	8.2	23.9	0.81
F05	01 Nov 2017	5	18.97	87.41	8.1	33.47	8.2	23.9	0.86
F05	01 Nov 2017	6	18.95	87.28	8.2	33.46	8.2	23.9	0.92
F05	01 Nov 2017	7	18.92	87.24	8.2	33.46	8.2	23.9	0.95
F05	01 Nov 2017	8	18.82	87.16	8.2	33.46	8.2	23.9	1.04
F05	01 Nov 2017	9	18.65	86.91	8.2	33.45	8.2	23.9	1.19
F05	01 Nov 2017	10	18.44	86.63	8.2	33.44	8.2	24.0	1.33
F05	01 Nov 2017	11	18.35	86.53	8.2	33.43	8.2	24.0	1.43
F05	01 Nov 2017	12	18.18	86.57	8.2	33.43	8.2	24.0	1.51
F05	01 Nov 2017	13	17.87	86.36	8.3	33.42	8.2	24.1	1.64
F05	01 Nov 2017	14	17.71	86.40	8.2	33.41	8.2	24.1	1.74
F05	01 Nov 2017	15	17.16	86.62	8.1	33.42	8.2	24.3	1.83
F05	01 Nov 2017	16	16.87	86.80	8.2	33.38	8.2	24.3	1.98
F05	01 Nov 2017	17	16.82	86.72	8.2	33.38	8.2	24.3	2.09
F05	01 Nov 2017	18	16.79	86.84	8.2	33.38	8.2	24.3	2.09
F05	01 Nov 2017	19	16.78	86.93	8.1	33.38	8.2	24.3	2.12
F05	01 Nov 2017	20	16.73	87.09	8.1	33.38	8.2	24.3	2.11
F05	01 Nov 2017	21	16.68	87.27	8.1	33.38	8.2	24.3	2.06
F05	01 Nov 2017	22	16.44	87.55	8.1	33.39	8.2	24.4	1.95
F05	01 Nov 2017	23	15.97	88.09	7.9	33.39	8.2	24.5	1.84
F05	01 Nov 2017	24	15.33	88.33	7.7	33.40	8.2	24.7	1.77
F05	01 Nov 2017	25	14.75	88.90	7.5	33.37	8.1	24.8	1.54
F05	01 Nov 2017	26	14.56	89.35	7.5	33.36	8.1	24.8	1.38
F05	01 Nov 2017	27	14.45	89.52	7.4	33.36	8.1	24.8	1.29
F05	01 Nov 2017	28	14.39	89.24	7.2	33.36	8.1	24.8	1.28
F05	01 Nov 2017	29	14.37	88.80	7.1	33.37	8.1	24.8	1.28
F05	01 Nov 2017	30	14.34	88.48	7.1	33.37	8.1	24.9	1.31
F05	01 Nov 2017	31	14.33	88.34	7.0	33.37	8.1	24.9	1.31
F05	01 Nov 2017	32	14.30	88.18	7.0	33.37	8.1	24.9	1.27
F05	01 Nov 2017	33	14.29	88.03	7.0	33.37	8.1	24.9	1.26
F05	01 Nov 2017	34	14.28	87.66	7.0	33.37	8.1	24.9	1.22
F05	01 Nov 2017	35	14.27	87.25	7.0	33.37	8.1	24.9	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F05	01 Nov 2017	36	14.26	87.06	7.0	33.37	8.1	24.9	1.19
F05	01 Nov 2017	37	14.26	87.17	6.9	33.37	8.1	24.9	1.21
F05	01 Nov 2017	38	14.26	87.25	6.9	33.37	8.1	24.9	1.19
F05	01 Nov 2017	39	14.26	87.28	6.9	33.37	8.1	24.9	1.18
F05	01 Nov 2017	40	14.26	87.28	6.9	33.37	8.1	24.9	1.19
F05	01 Nov 2017	41	14.25	87.31	6.9	33.37	8.1	24.9	1.17
F05	01 Nov 2017	42	14.25	87.25	6.9	33.37	8.1	24.9	1.16
F05	01 Nov 2017	43	14.25	87.13	6.9	33.37	8.1	24.9	1.16
F05	01 Nov 2017	44	14.24	87.03	6.9	33.37	8.1	24.9	1.16
F05	01 Nov 2017	45	14.23	87.10	6.9	33.37	8.1	24.9	1.15
F05	01 Nov 2017	46	14.19	87.09	6.8	33.38	8.1	24.9	1.13
F05	01 Nov 2017	47	13.92	86.28	6.6	33.39	8.1	25.0	1.01
F05	01 Nov 2017	48	13.85	85.84	6.6	33.38	8.1	25.0	0.92
F05	01 Nov 2017	49	13.84	85.82	6.5	33.38	8.0	25.0	0.89
F05	01 Nov 2017	50	13.84	86.19	6.5	33.38	8.0	25.0	0.88
F05	01 Nov 2017	51	13.82	86.54	6.5	33.38	8.0	25.0	0.86
F05	01 Nov 2017	52	13.73	86.76	6.5	33.38	8.0	25.0	0.81
F05	01 Nov 2017	53	13.67	87.28	6.5	33.38	8.0	25.0	0.76
F05	01 Nov 2017	54	13.63	87.52	6.4	33.38	8.0	25.0	0.74
F05	01 Nov 2017	55	13.47	87.64	6.4	33.39	8.0	25.1	0.71
F05	01 Nov 2017	56	13.29	87.26	6.3	33.39	8.0	25.1	0.69
F05	01 Nov 2017	57	13.26	87.09	6.3	33.39	8.0	25.1	0.67
F05	01 Nov 2017	58	13.19	86.84	6.2	33.39	8.0	25.1	0.64
F05	01 Nov 2017	59	13.09	86.79	6.2	33.40	8.0	25.1	0.63
F05	01 Nov 2017	60	13.00	86.82	6.1	33.41	8.0	25.2	0.63
F05	01 Nov 2017	61	12.88	86.23	6.0	33.41	8.0	25.2	0.61
F06	01 Nov 2017	2	18.93	87.35	8.2	33.47	8.2	23.9	0.78
F06	01 Nov 2017	3	18.90	87.33	8.2	33.46	8.2	23.9	0.81
F06	01 Nov 2017	4	18.90	87.33	8.2	33.46	8.2	23.9	0.88
F06	01 Nov 2017	5	18.88	87.36	8.2	33.47	8.2	23.9	0.92
F06	01 Nov 2017	6	18.85	87.34	8.2	33.46	8.2	23.9	0.98
F06	01 Nov 2017	7	18.69	87.22	8.1	33.47	8.2	23.9	1.11
F06	01 Nov 2017	8	18.15	86.91	8.1	33.46	8.2	24.1	1.27
F06	01 Nov 2017	9	17.93	86.71	8.2	33.42	8.2	24.1	1.49
F06	01 Nov 2017	10	17.84	86.58	8.2	33.41	8.2	24.1	1.64
F06	01 Nov 2017	11	17.74	86.54	8.2	33.41	8.2	24.1	1.75
F06	01 Nov 2017	12	17.68	86.61	8.2	33.40	8.2	24.1	1.79
F06	01 Nov 2017	13	17.51	86.62	8.1	33.40	8.2	24.2	1.84
F06	01 Nov 2017	14	17.10	86.67	8.1	33.42	8.2	24.3	1.88
F06	01 Nov 2017	15	16.55	86.86	8.1	33.39	8.2	24.4	1.96
F06	01 Nov 2017	16	16.38	87.05	8.1	33.38	8.2	24.4	1.93
F06	01 Nov 2017	17	16.17	87.51	8.2	33.36	8.2	24.4	1.66
F06	01 Nov 2017	18	16.11	87.39	8.1	33.36	8.2	24.5	1.47
F06	01 Nov 2017	19	15.99	86.74	8.0	33.36	8.2	24.5	1.41
F06	01 Nov 2017	20	15.89	87.47	8.0	33.36	8.2	24.5	1.50
F06	01 Nov 2017	21	15.77	88.04	7.9	33.37	8.2	24.5	1.52
F06	01 Nov 2017	22	15.36	88.38	7.8	33.38	8.2	24.6	1.54
F06	01 Nov 2017	23	15.15	88.65	7.8	33.36	8.2	24.7	1.56
F06	01 Nov 2017	24	15.05	88.83	7.6	33.36	8.1	24.7	1.48
F06	01 Nov 2017	25	14.82	88.87	7.5	33.37	8.1	24.8	1.44
F06	01 Nov 2017	26	14.59	88.93	7.3	33.37	8.1	24.8	1.39
F06	01 Nov 2017	27	14.49	88.52	7.2	33.37	8.1	24.8	1.33
F06	01 Nov 2017	28	14.46	88.69	7.2	33.37	8.1	24.8	1.32
F06	01 Nov 2017	29	14.43	88.68	7.2	33.36	8.1	24.8	1.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F06	01 Nov 2017	30	14.40	88.76	7.1	33.37	8.1	24.8	1.29
F06	01 Nov 2017	31	14.37	88.62	7.1	33.37	8.1	24.9	1.25
F06	01 Nov 2017	32	14.36	88.28	7.1	33.37	8.1	24.9	1.24
F06	01 Nov 2017	33	14.35	88.20	7.1	33.37	8.1	24.9	1.23
F06	01 Nov 2017	34	14.34	88.00	7.1	33.37	8.1	24.9	1.28
F06	01 Nov 2017	35	14.33	87.81	7.0	33.37	8.1	24.9	1.17
F06	01 Nov 2017	36	14.33	87.66	7.0	33.37	8.1	24.9	1.14
F06	01 Nov 2017	37	14.33	87.80	7.0	33.37	8.1	24.9	1.15
F06	01 Nov 2017	38	14.33	87.69	7.1	33.37	8.1	24.9	1.13
F06	01 Nov 2017	39	14.33	87.68	7.0	33.37	8.1	24.9	1.14
F06	01 Nov 2017	40	14.33	87.73	7.0	33.37	8.1	24.9	1.15
F06	01 Nov 2017	41	14.33	87.79	7.0	33.37	8.1	24.9	1.14
F06	01 Nov 2017	42	14.33	87.72	7.0	33.37	8.1	24.9	1.14
F06	01 Nov 2017	43	14.33	87.70	7.0	33.37	8.1	24.9	1.12
F06	01 Nov 2017	44	14.33	87.71	7.0	33.37	8.1	24.9	1.12
F06	01 Nov 2017	45	14.33	87.64	7.0	33.37	8.1	24.9	1.11
F06	01 Nov 2017	46	14.32	87.54	7.0	33.37	8.1	24.9	1.11
F06	01 Nov 2017	47	14.32	87.33	7.0	33.37	8.1	24.9	1.09
F06	01 Nov 2017	48	14.31	87.38	7.0	33.37	8.1	24.9	1.09
F06	01 Nov 2017	49	14.28	87.02	6.9	33.37	8.1	24.9	1.06
F06	01 Nov 2017	50	14.16	86.08	6.8	33.38	8.1	24.9	1.02
F06	01 Nov 2017	51	14.03	85.06	6.7	33.38	8.1	24.9	0.99
F06	01 Nov 2017	52	13.98	84.98	6.6	33.38	8.1	24.9	0.95
F06	01 Nov 2017	53	13.88	84.92	6.6	33.38	8.1	25.0	0.90
F06	01 Nov 2017	54	13.81	84.99	6.5	33.38	8.0	25.0	0.88
F06	01 Nov 2017	55	13.73	85.05	6.4	33.38	8.0	25.0	0.84
F06	01 Nov 2017	56	13.60	84.90	6.4	33.38	8.0	25.0	0.76
F06	01 Nov 2017	57	13.48	85.34	6.3	33.39	8.0	25.0	0.69
F06	01 Nov 2017	58	13.31	85.51	6.2	33.40	8.0	25.1	0.66
F06	01 Nov 2017	59	13.20	86.20	6.1	33.39	8.0	25.1	0.64
F06	01 Nov 2017	60	13.06	86.37	6.0	33.41	8.0	25.1	0.63
F06	01 Nov 2017	61	12.73	83.82	5.8	33.43	8.0	25.2	0.62
F07	01 Nov 2017	1	18.76	86.77	6.8	33.40	8.2	23.9	1.37
F07	01 Nov 2017	2	18.76	86.78	7.3	33.41	8.2	23.9	1.31
F07	01 Nov 2017	3	18.75	86.81	8.0	33.44	8.2	23.9	1.18
F07	01 Nov 2017	4	18.73	86.79	8.1	33.45	8.2	23.9	1.07
F07	01 Nov 2017	5	18.71	86.91	8.1	33.45	8.2	23.9	1.02
F07	01 Nov 2017	6	18.68	86.99	8.1	33.45	8.2	23.9	1.02
F07	01 Nov 2017	7	18.61	87.01	8.1	33.45	8.2	23.9	1.07
F07	01 Nov 2017	8	18.43	86.83	8.1	33.45	8.2	24.0	1.15
F07	01 Nov 2017	9	18.40	86.59	8.1	33.43	8.2	24.0	1.25
F07	01 Nov 2017	10	18.35	86.53	8.1	33.43	8.2	24.0	1.36
F07	01 Nov 2017	11	18.26	86.56	8.1	33.43	8.2	24.0	1.44
F07	01 Nov 2017	12	18.13	86.62	8.1	33.44	8.2	24.0	1.48
F07	01 Nov 2017	13	17.78	86.58	8.1	33.44	8.2	24.1	1.52
F07	01 Nov 2017	14	17.57	86.81	8.1	33.41	8.2	24.2	1.57
F07	01 Nov 2017	15	17.27	87.05	8.1	33.43	8.2	24.2	1.60
F07	01 Nov 2017	16	16.73	87.40	8.1	33.42	8.2	24.4	1.54
F07	01 Nov 2017	17	16.31	87.32	8.1	33.39	8.2	24.4	1.39
F07	01 Nov 2017	18	16.21	84.38	7.9	33.36	8.2	24.4	1.37
F07	01 Nov 2017	19	16.21	84.08	7.9	33.36	8.1	24.4	1.34
F07	01 Nov 2017	20	16.20	83.94	7.8	33.36	8.1	24.4	1.33
F07	01 Nov 2017	21	16.17	83.87	7.8	33.36	8.1	24.4	1.33
F07	01 Nov 2017	22	16.09	82.35	7.7	33.37	8.1	24.5	1.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	01 Nov 2017	23	15.88	81.97	7.6	33.38	8.1	24.5	1.35
F07	01 Nov 2017	24	15.72	82.45	7.7	33.37	8.1	24.6	1.26
F07	01 Nov 2017	25	15.44	85.26	7.8	33.37	8.1	24.6	1.19
F07	01 Nov 2017	26	15.38	85.83	7.7	33.36	8.1	24.6	1.16
F07	01 Nov 2017	27	15.38	85.67	7.6	33.36	8.1	24.6	1.15
F07	01 Nov 2017	28	15.33	85.47	7.6	33.37	8.1	24.6	1.15
F07	01 Nov 2017	29	15.22	85.33	7.5	33.36	8.1	24.7	1.12
F07	01 Nov 2017	30	15.07	85.80	7.5	33.37	8.1	24.7	1.10
F07	01 Nov 2017	31	14.81	86.15	7.4	33.38	8.1	24.8	1.08
F07	01 Nov 2017	32	14.67	86.79	7.4	33.36	8.1	24.8	1.06
F07	01 Nov 2017	33	14.56	87.45	7.3	33.37	8.1	24.8	1.02
F07	01 Nov 2017	34	14.43	86.92	7.2	33.37	8.1	24.8	1.00
F07	01 Nov 2017	35	14.36	87.64	7.1	33.37	8.1	24.8	1.05
F07	01 Nov 2017	36	14.34	87.96	7.1	33.37	8.1	24.9	1.08
F07	01 Nov 2017	37	14.34	88.13	7.1	33.37	8.1	24.9	1.12
F07	01 Nov 2017	38	14.32	87.91	7.0	33.37	8.1	24.9	1.12
F07	01 Nov 2017	39	14.29	87.61	7.0	33.37	8.1	24.9	1.13
F07	01 Nov 2017	40	14.27	87.68	7.0	33.37	8.1	24.9	1.21
F07	01 Nov 2017	41	14.25	87.74	7.0	33.37	8.1	24.9	1.22
F07	01 Nov 2017	42	14.23	87.63	6.9	33.37	8.1	24.9	1.21
F07	01 Nov 2017	43	14.19	87.80	6.9	33.37	8.1	24.9	1.20
F07	01 Nov 2017	44	14.17	87.92	6.9	33.37	8.1	24.9	1.20
F07	01 Nov 2017	45	14.16	87.79	6.9	33.37	8.1	24.9	1.23
F07	01 Nov 2017	46	14.14	87.77	6.8	33.38	8.1	24.9	1.30
F07	01 Nov 2017	47	14.13	87.70	6.8	33.38	8.1	24.9	1.34
F07	01 Nov 2017	48	14.12	87.66	6.8	33.38	8.1	24.9	1.37
F07	01 Nov 2017	49	14.08	87.58	6.8	33.38	8.1	24.9	1.34
F07	01 Nov 2017	50	14.00	87.21	6.7	33.38	8.1	24.9	1.22
F07	01 Nov 2017	51	13.97	87.00	6.7	33.38	8.1	24.9	1.11
F07	01 Nov 2017	52	13.92	86.49	6.6	33.38	8.0	24.9	1.06
F07	01 Nov 2017	53	13.89	86.56	6.6	33.38	8.0	25.0	0.98
F07	01 Nov 2017	54	13.84	86.11	6.5	33.38	8.0	25.0	0.93
F07	01 Nov 2017	55	13.76	85.88	6.5	33.38	8.0	25.0	0.90
F07	01 Nov 2017	56	13.63	85.63	6.3	33.39	8.0	25.0	0.83
F07	01 Nov 2017	57	13.37	84.15	6.1	33.41	8.0	25.1	0.75
F07	01 Nov 2017	58	13.15	83.10	6.0	33.41	8.0	25.1	0.69
F07	01 Nov 2017	59	13.00	82.10	5.8	33.41	8.0	25.2	0.64
F07	01 Nov 2017	60	12.83	80.86	5.7	33.42	8.0	25.2	0.61
F07	01 Nov 2017	61	12.76	80.19	5.6	33.42	8.0	25.2	0.60
F07	01 Nov 2017	62	12.68	80.35	5.5	33.42	8.0	25.2	0.58
F07	01 Nov 2017	63	12.57	80.44	5.4	33.43	8.0	25.3	0.56
F07	01 Nov 2017	64	12.47	80.39	5.3	33.44	8.0	25.3	0.55
F07	01 Nov 2017	65	12.46	80.29	5.3	33.43	7.9	25.3	0.55
F07	01 Nov 2017	66	12.45	80.03	5.3	33.44	7.9	25.3	0.55
F08	01 Nov 2017	1	18.44	87.26	8.0	33.43	8.2	24.0	0.92
F08	01 Nov 2017	2	18.42	87.08	8.0	33.43	8.2	24.0	0.92
F08	01 Nov 2017	3	18.41	86.90	8.0	33.43	8.2	24.0	0.98
F08	01 Nov 2017	4	18.41	86.95	8.1	33.43	8.2	24.0	1.04
F08	01 Nov 2017	5	18.39	87.13	8.0	33.43	8.2	24.0	1.08
F08	01 Nov 2017	6	18.36	87.60	8.0	33.43	8.2	24.0	1.11
F08	01 Nov 2017	7	18.33	87.98	8.0	33.43	8.2	24.0	1.09
F08	01 Nov 2017	8	18.32	88.21	8.0	33.43	8.2	24.0	1.08
F08	01 Nov 2017	9	18.30	88.32	8.0	33.43	8.2	24.0	1.10
F08	01 Nov 2017	10	18.27	88.40	8.0	33.42	8.2	24.0	1.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	01 Nov 2017	11	18.15	88.48	8.0	33.43	8.2	24.0	1.08
F08	01 Nov 2017	12	17.92	88.52	8.0	33.42	8.2	24.1	1.10
F08	01 Nov 2017	13	17.78	88.14	8.0	33.41	8.2	24.1	1.18
F08	01 Nov 2017	14	17.25	87.42	8.0	33.42	8.2	24.2	1.31
F08	01 Nov 2017	15	16.91	86.47	8.0	33.38	8.2	24.3	1.45
F08	01 Nov 2017	16	16.73	86.00	8.0	33.38	8.2	24.3	1.53
F08	01 Nov 2017	17	16.55	85.68	8.0	33.37	8.2	24.4	1.59
F08	01 Nov 2017	18	16.49	85.64	8.0	33.36	8.2	24.4	1.61
F08	01 Nov 2017	19	16.44	85.59	8.0	33.36	8.2	24.4	1.62
F08	01 Nov 2017	20	16.38	85.60	7.9	33.36	8.2	24.4	1.62
F08	01 Nov 2017	21	16.34	85.19	7.8	33.36	8.1	24.4	1.57
F08	01 Nov 2017	22	16.32	84.96	7.7	33.36	8.1	24.4	1.55
F08	01 Nov 2017	23	16.29	84.58	7.7	33.36	8.1	24.4	1.45
F08	01 Nov 2017	24	16.23	84.72	7.6	33.37	8.1	24.4	1.48
F08	01 Nov 2017	25	16.14	84.50	7.6	33.37	8.1	24.5	1.40
F08	01 Nov 2017	26	15.99	84.69	7.5	33.37	8.1	24.5	1.35
F08	01 Nov 2017	27	15.45	85.09	7.3	33.37	8.1	24.6	1.18
F08	01 Nov 2017	28	15.09	85.75	7.2	33.37	8.1	24.7	1.07
F08	01 Nov 2017	29	14.84	85.70	7.2	33.35	8.1	24.7	0.99
F08	01 Nov 2017	30	14.79	86.08	7.2	33.35	8.1	24.7	0.95
F08	01 Nov 2017	31	14.71	86.52	7.2	33.35	8.1	24.8	0.94
F08	01 Nov 2017	32	14.64	86.87	7.0	33.35	8.1	24.8	0.91
F08	01 Nov 2017	33	14.59	87.04	6.9	33.35	8.1	24.8	0.90
F08	01 Nov 2017	34	14.57	87.06	6.9	33.36	8.1	24.8	0.87
F08	01 Nov 2017	35	14.54	86.93	6.9	33.35	8.1	24.8	0.91
F08	01 Nov 2017	36	14.48	86.97	7.0	33.36	8.1	24.8	0.91
F08	01 Nov 2017	37	14.42	87.18	7.1	33.36	8.1	24.8	1.00
F08	01 Nov 2017	38	14.39	87.22	7.1	33.36	8.1	24.8	1.15
F08	01 Nov 2017	39	14.34	87.38	7.0	33.37	8.1	24.9	1.35
F08	01 Nov 2017	40	14.31	87.43	7.0	33.37	8.1	24.9	1.46
F08	01 Nov 2017	41	14.29	87.71	7.0	33.37	8.1	24.9	1.44
F08	01 Nov 2017	42	14.24	87.76	7.0	33.36	8.1	24.9	1.30
F08	01 Nov 2017	43	14.22	87.59	6.9	33.36	8.1	24.9	1.20
F08	01 Nov 2017	44	14.19	87.65	6.9	33.37	8.1	24.9	1.21
F08	01 Nov 2017	45	14.14	87.33	6.8	33.37	8.1	24.9	1.27
F08	01 Nov 2017	46	14.05	87.24	6.7	33.37	8.1	24.9	1.22
F08	01 Nov 2017	47	14.02	86.80	6.7	33.37	8.0	24.9	1.16
F08	01 Nov 2017	48	14.00	86.80	6.7	33.37	8.0	24.9	1.15
F08	01 Nov 2017	49	13.99	86.81	6.6	33.37	8.0	24.9	1.16
F08	01 Nov 2017	50	13.98	86.60	6.6	33.37	8.0	24.9	1.16
F08	01 Nov 2017	51	13.88	85.59	6.5	33.38	8.0	25.0	1.12
F08	01 Nov 2017	52	13.84	84.18	6.5	33.37	8.0	25.0	1.09
F08	01 Nov 2017	53	13.84	83.74	6.5	33.37	8.0	25.0	1.07
F08	01 Nov 2017	54	13.84	83.64	6.5	33.37	8.0	25.0	1.07
F08	01 Nov 2017	55	13.82	83.63	6.4	33.37	8.0	25.0	1.05
F08	01 Nov 2017	56	13.81	83.06	6.4	33.37	8.0	25.0	1.06
F08	01 Nov 2017	57	13.79	82.92	6.4	33.37	8.0	25.0	1.05
F08	01 Nov 2017	58	13.78	82.71	6.4	33.37	8.0	25.0	1.04
F08	01 Nov 2017	59	13.66	81.78	6.2	33.38	8.0	25.0	1.01
F08	01 Nov 2017	60	13.60	80.39	6.2	33.38	8.0	25.0	0.98
F08	01 Nov 2017	61	13.47	78.40	6.0	33.38	8.0	25.0	0.96
F08	01 Nov 2017	62	13.44	78.04	6.0	33.38	8.0	25.0	0.95
F09	01 Nov 2017	1	18.24	88.16	8.0	33.41	8.2	24.0	0.82
F09	01 Nov 2017	2	18.23	88.02	8.0	33.41	8.2	24.0	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	01 Nov 2017	3	18.23	87.94	7.9	33.41	8.2	24.0	0.87
F09	01 Nov 2017	4	18.22	88.47	8.0	33.41	8.2	24.0	0.89
F09	01 Nov 2017	5	18.21	88.50	8.0	33.41	8.2	24.0	0.99
F09	01 Nov 2017	6	18.18	88.59	8.0	33.42	8.2	24.0	0.98
F09	01 Nov 2017	7	18.08	88.21	8.0	33.42	8.2	24.0	1.08
F09	01 Nov 2017	8	17.95	88.00	8.0	33.41	8.2	24.1	1.17
F09	01 Nov 2017	9	17.55	87.85	8.0	33.43	8.2	24.2	1.23
F09	01 Nov 2017	10	17.23	87.40	8.1	33.38	8.2	24.2	1.35
F09	01 Nov 2017	11	17.14	87.08	8.1	33.38	8.2	24.2	1.42
F09	01 Nov 2017	12	16.92	86.84	8.1	33.38	8.2	24.3	1.48
F09	01 Nov 2017	13	16.86	86.66	8.1	33.37	8.2	24.3	1.54
F09	01 Nov 2017	14	16.77	86.45	8.0	33.37	8.2	24.3	1.56
F09	01 Nov 2017	15	16.67	86.03	8.0	33.37	8.2	24.3	1.58
F09	01 Nov 2017	16	16.67	85.63	8.0	33.36	8.2	24.3	1.59
F09	01 Nov 2017	17	16.63	85.55	7.9	33.36	8.1	24.3	1.60
F09	01 Nov 2017	18	16.62	85.32	7.9	33.37	8.1	24.3	1.58
F09	01 Nov 2017	19	16.59	85.07	7.8	33.37	8.1	24.4	1.61
F09	01 Nov 2017	20	16.56	84.73	7.7	33.37	8.1	24.4	1.57
F09	01 Nov 2017	21	16.54	84.75	7.7	33.37	8.1	24.4	1.55
F09	01 Nov 2017	22	16.51	84.66	7.7	33.37	8.1	24.4	1.55
F09	01 Nov 2017	23	16.51	84.38	7.7	33.37	8.1	24.4	1.59
F09	01 Nov 2017	24	16.49	84.49	7.7	33.37	8.1	24.4	1.58
F09	01 Nov 2017	25	16.40	84.38	7.7	33.37	8.1	24.4	1.61
F09	01 Nov 2017	26	16.34	84.71	7.7	33.37	8.1	24.4	1.59
F09	01 Nov 2017	27	16.21	84.81	7.6	33.37	8.1	24.4	1.54
F09	01 Nov 2017	28	16.02	85.00	7.6	33.37	8.1	24.5	1.46
F09	01 Nov 2017	29	15.76	85.29	7.6	33.36	8.1	24.5	1.37
F09	01 Nov 2017	30	15.66	85.66	7.6	33.36	8.1	24.6	1.33
F09	01 Nov 2017	31	15.42	86.21	7.5	33.37	8.1	24.6	1.26
F09	01 Nov 2017	32	15.15	86.64	7.2	33.36	8.1	24.7	1.10
F09	01 Nov 2017	33	14.94	87.10	7.0	33.36	8.1	24.7	1.00
F09	01 Nov 2017	34	14.81	87.29	7.0	33.36	8.1	24.7	0.96
F09	01 Nov 2017	35	14.73	87.54	7.0	33.35	8.1	24.8	0.94
F09	01 Nov 2017	36	14.67	87.82	7.1	33.35	8.1	24.8	0.92
F09	01 Nov 2017	37	14.64	88.02	7.1	33.35	8.1	24.8	0.90
F09	01 Nov 2017	38	14.61	87.99	7.1	33.35	8.1	24.8	0.90
F09	01 Nov 2017	39	14.54	88.01	7.0	33.35	8.1	24.8	0.89
F09	01 Nov 2017	40	14.48	87.87	6.9	33.36	8.1	24.8	0.86
F09	01 Nov 2017	41	14.43	87.78	6.8	33.35	8.1	24.8	0.85
F09	01 Nov 2017	42	14.39	87.51	6.8	33.35	8.1	24.8	0.87
F09	01 Nov 2017	43	14.39	87.21	6.8	33.35	8.1	24.8	0.85
F09	01 Nov 2017	44	14.37	87.46	6.8	33.35	8.1	24.8	0.86
F09	01 Nov 2017	45	14.36	87.74	6.8	33.36	8.1	24.8	0.86
F09	01 Nov 2017	46	14.33	87.98	6.8	33.35	8.1	24.8	0.84
F09	01 Nov 2017	47	14.32	87.90	6.8	33.35	8.1	24.9	0.84
F09	01 Nov 2017	48	14.30	88.24	6.8	33.35	8.1	24.9	0.83
F09	01 Nov 2017	49	14.27	88.13	6.8	33.35	8.1	24.9	0.82
F09	01 Nov 2017	50	14.26	87.98	6.8	33.35	8.1	24.9	0.82
F09	01 Nov 2017	51	14.22	88.04	6.8	33.36	8.1	24.9	0.85
F09	01 Nov 2017	52	14.21	88.28	6.8	33.35	8.1	24.9	0.84
F09	01 Nov 2017	53	14.21	88.47	6.8	33.36	8.1	24.9	0.84
F09	01 Nov 2017	54	14.18	88.25	6.7	33.36	8.0	24.9	0.83
F09	01 Nov 2017	55	14.13	87.87	6.6	33.36	8.0	24.9	0.83
F09	01 Nov 2017	56	14.06	86.66	6.5	33.37	8.0	24.9	0.86
F09	01 Nov 2017	57	14.04	85.52	6.4	33.36	8.0	24.9	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	01 Nov 2017	58	14.01	84.71	6.3	33.37	8.0	24.9	0.85
F09	01 Nov 2017	59	13.96	84.05	6.3	33.37	8.0	24.9	0.88
F09	01 Nov 2017	60	13.88	83.51	6.3	33.37	8.0	25.0	0.87
F09	01 Nov 2017	61	13.81	81.70	6.2	33.38	8.0	25.0	0.88
F09	01 Nov 2017	62	13.69	80.27	6.1	33.38	8.0	25.0	0.89
F09	01 Nov 2017	63	13.57	77.73	6.1	33.38	8.0	25.0	0.91
F10	01 Nov 2017	1	18.14	83.74	8.2	33.42	8.2	24.0	2.26
F10	01 Nov 2017	2	18.13	82.92	8.2	33.42	8.2	24.0	2.29
F10	01 Nov 2017	3	18.10	82.23	8.2	33.42	8.2	24.0	2.49
F10	01 Nov 2017	4	18.09	82.05	8.2	33.42	8.2	24.0	2.64
F10	01 Nov 2017	5	18.08	81.77	8.2	33.42	8.2	24.0	2.80
F10	01 Nov 2017	6	18.06	81.74	8.2	33.42	8.2	24.0	2.89
F10	01 Nov 2017	7	18.06	81.28	8.2	33.42	8.2	24.0	2.96
F10	01 Nov 2017	8	18.06	81.39	8.2	33.42	8.2	24.0	3.00
F10	01 Nov 2017	9	18.06	80.93	8.2	33.42	8.2	24.0	3.06
F10	01 Nov 2017	10	18.06	81.08	8.2	33.42	8.2	24.0	3.10
F10	01 Nov 2017	11	18.05	81.13	8.2	33.42	8.2	24.0	3.14
F10	01 Nov 2017	12	18.06	81.28	8.2	33.42	8.2	24.0	3.14
F10	01 Nov 2017	13	18.05	80.81	8.2	33.42	8.2	24.0	3.13
F10	01 Nov 2017	14	18.05	80.47	8.2	33.42	8.2	24.1	3.08
F10	01 Nov 2017	15	17.85	80.91	8.0	33.43	8.2	24.1	2.86
F10	01 Nov 2017	16	17.18	82.48	7.9	33.42	8.2	24.3	2.38
F10	01 Nov 2017	17	16.75	84.01	7.9	33.38	8.2	24.3	2.00
F10	01 Nov 2017	18	16.66	84.80	7.9	33.37	8.1	24.3	1.76
F10	01 Nov 2017	19	16.60	85.02	7.8	33.37	8.1	24.4	1.69
F10	01 Nov 2017	20	16.39	85.19	7.8	33.37	8.1	24.4	1.58
F10	01 Nov 2017	21	16.26	85.39	7.7	33.36	8.1	24.4	1.49
F10	01 Nov 2017	22	16.13	85.27	7.6	33.36	8.1	24.5	1.41
F10	01 Nov 2017	23	15.99	85.27	7.7	33.36	8.1	24.5	1.40
F10	01 Nov 2017	24	15.81	85.49	7.7	33.36	8.1	24.5	1.56
F10	01 Nov 2017	25	15.57	85.71	7.7	33.36	8.1	24.6	1.40
F10	01 Nov 2017	26	15.48	86.05	7.7	33.35	8.1	24.6	1.37
F10	01 Nov 2017	27	15.42	86.37	7.6	33.35	8.1	24.6	1.35
F10	01 Nov 2017	28	15.37	86.85	7.6	33.35	8.1	24.6	1.33
F10	01 Nov 2017	29	15.29	87.31	7.6	33.35	8.1	24.6	1.31
F10	01 Nov 2017	30	15.20	87.01	7.6	33.36	8.1	24.7	1.32
F10	01 Nov 2017	31	15.08	87.09	7.5	33.35	8.1	24.7	1.20
F10	01 Nov 2017	32	15.00	87.21	7.5	33.35	8.1	24.7	1.11
F10	01 Nov 2017	33	14.92	87.71	7.5	33.35	8.1	24.7	1.12
F10	01 Nov 2017	34	14.87	87.65	7.5	33.35	8.1	24.7	1.14
F10	01 Nov 2017	35	14.83	88.12	7.4	33.35	8.1	24.7	1.14
F10	01 Nov 2017	36	14.80	88.37	7.4	33.35	8.1	24.7	1.11
F10	01 Nov 2017	37	14.77	88.60	7.4	33.35	8.1	24.8	1.12
F10	01 Nov 2017	38	14.74	88.62	7.4	33.36	8.1	24.8	1.14
F10	01 Nov 2017	39	14.66	88.56	7.4	33.36	8.1	24.8	1.10
F10	01 Nov 2017	40	14.58	88.71	7.3	33.35	8.1	24.8	0.97
F10	01 Nov 2017	41	14.54	88.82	7.3	33.35	8.1	24.8	0.91
F10	01 Nov 2017	42	14.50	88.89	7.2	33.35	8.1	24.8	0.86
F10	01 Nov 2017	43	14.45	88.98	7.2	33.35	8.1	24.8	0.83
F10	01 Nov 2017	44	14.37	88.90	7.2	33.35	8.1	24.8	0.80
F10	01 Nov 2017	45	14.34	88.80	7.1	33.35	8.1	24.8	0.83
F10	01 Nov 2017	46	14.33	88.77	7.0	33.35	8.1	24.8	0.81
F10	01 Nov 2017	47	14.32	88.26	6.9	33.35	8.1	24.8	0.79
F10	01 Nov 2017	48	14.33	88.02	6.8	33.36	8.1	24.8	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	01 Nov 2017	49	14.33	87.78	6.7	33.36	8.0	24.9	0.82
F10	01 Nov 2017	50	14.31	87.21	6.6	33.36	8.0	24.9	0.81
F10	01 Nov 2017	51	14.31	87.09	6.6	33.36	8.0	24.9	0.81
F10	01 Nov 2017	52	14.26	86.25	6.5	33.37	8.0	24.9	0.81
F10	01 Nov 2017	53	14.21	85.77	6.4	33.37	8.0	24.9	0.82
F10	01 Nov 2017	54	14.15	85.15	6.4	33.37	8.0	24.9	0.83
F10	01 Nov 2017	55	14.06	84.87	6.3	33.37	8.0	24.9	0.83
F10	01 Nov 2017	56	13.89	83.93	6.3	33.38	8.0	25.0	0.84
F10	01 Nov 2017	57	13.79	83.32	6.2	33.38	8.0	25.0	0.85
F10	01 Nov 2017	58	13.59	80.46	6.0	33.39	8.0	25.0	0.88
F10	01 Nov 2017	59	13.52	77.55	6.0	33.38	8.0	25.0	0.90
F10	01 Nov 2017	60	13.47	76.62	5.9	33.38	8.0	25.0	0.89
F10	01 Nov 2017	61	13.38	75.98	5.9	33.39	8.0	25.1	0.89
F10	01 Nov 2017	62	13.36	76.68	5.9	33.39	8.0	25.1	0.90
F10	01 Nov 2017	63	13.29	76.22	5.9	33.39	8.0	25.1	0.89
F11	03 Nov 2017	1	18.45	87.92	8.1	33.46	8.1	24.0	0.83
F11	03 Nov 2017	2	18.45	87.92	8.1	33.46	8.1	24.0	0.81
F11	03 Nov 2017	3	18.45	87.92	8.1	33.46	8.1	24.0	0.85
F11	03 Nov 2017	4	18.45	87.89	8.1	33.46	8.1	24.0	0.85
F11	03 Nov 2017	5	18.45	87.85	8.1	33.46	8.1	24.0	0.86
F11	03 Nov 2017	6	18.45	87.85	8.1	33.46	8.1	24.0	0.86
F11	03 Nov 2017	7	18.45	87.92	8.1	33.45	8.1	24.0	0.87
F11	03 Nov 2017	8	18.45	87.90	8.1	33.46	8.1	24.0	0.86
F11	03 Nov 2017	9	18.45	87.89	8.1	33.46	8.1	24.0	0.87
F11	03 Nov 2017	10	18.45	87.90	8.1	33.46	8.1	24.0	0.86
F11	03 Nov 2017	11	18.44	87.92	8.1	33.46	8.1	24.0	0.84
F11	03 Nov 2017	12	18.03	87.70	7.9	33.47	8.1	24.1	1.10
F11	03 Nov 2017	13	17.15	87.13	7.9	33.41	8.1	24.3	1.41
F11	03 Nov 2017	14	16.86	87.17	7.9	33.38	8.1	24.3	1.39
F11	03 Nov 2017	15	16.64	87.29	8.0	33.38	8.1	24.4	1.43
F11	03 Nov 2017	16	16.51	87.30	7.9	33.37	8.1	24.4	1.42
F11	03 Nov 2017	17	16.42	87.27	7.8	33.37	8.1	24.4	1.40
F11	03 Nov 2017	18	16.31	87.28	7.8	33.37	8.1	24.4	1.34
F11	03 Nov 2017	19	16.18	87.24	7.8	33.37	8.1	24.5	1.38
F11	03 Nov 2017	20	15.87	87.36	7.7	33.38	8.1	24.5	1.36
F11	03 Nov 2017	21	15.49	87.02	7.6	33.38	8.1	24.6	1.23
F11	03 Nov 2017	22	15.22	87.27	7.6	33.36	8.1	24.7	1.22
F11	03 Nov 2017	23	15.06	87.78	7.6	33.36	8.1	24.7	1.19
F11	03 Nov 2017	24	14.99	88.25	7.5	33.36	8.1	24.7	1.14
F11	03 Nov 2017	25	14.88	88.51	7.3	33.36	8.0	24.7	0.98
F11	03 Nov 2017	26	14.68	88.48	7.0	33.37	8.0	24.8	0.75
F11	03 Nov 2017	27	14.45	88.45	7.0	33.36	8.0	24.8	0.59
F11	03 Nov 2017	28	14.36	88.70	7.0	33.36	8.0	24.8	0.54
F11	03 Nov 2017	29	14.31	89.06	7.0	33.35	8.0	24.9	0.53
F11	03 Nov 2017	30	14.28	89.12	7.0	33.36	8.0	24.9	0.60
F11	03 Nov 2017	31	14.29	89.13	7.0	33.36	8.0	24.9	0.74
F11	03 Nov 2017	32	14.29	89.00	7.0	33.37	8.0	24.9	0.85
F11	03 Nov 2017	33	14.27	88.89	6.9	33.37	8.0	24.9	0.93
F11	03 Nov 2017	34	14.26	88.66	6.9	33.37	8.0	24.9	0.97
F11	03 Nov 2017	35	14.25	88.64	6.9	33.37	8.0	24.9	0.98
F11	03 Nov 2017	36	14.21	88.69	6.8	33.38	8.0	24.9	0.95
F11	03 Nov 2017	37	14.17	88.62	6.8	33.38	8.0	24.9	0.91
F11	03 Nov 2017	38	14.14	88.60	6.8	33.38	8.0	24.9	0.89
F11	03 Nov 2017	39	14.11	88.58	6.8	33.38	8.0	24.9	0.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	03 Nov 2017	40	14.00	88.66	6.7	33.38	8.0	24.9	0.86
F11	03 Nov 2017	41	13.92	88.98	6.6	33.38	8.0	24.9	0.73
F11	03 Nov 2017	42	13.88	89.20	6.6	33.37	8.0	25.0	0.63
F11	03 Nov 2017	43	13.87	89.38	6.6	33.37	8.0	25.0	0.59
F11	03 Nov 2017	44	13.85	89.42	6.6	33.37	8.0	25.0	0.55
F11	03 Nov 2017	45	13.84	89.48	6.6	33.37	8.0	25.0	0.52
F11	03 Nov 2017	46	13.82	89.55	6.5	33.37	8.0	25.0	0.50
F11	03 Nov 2017	47	13.81	89.56	6.5	33.37	8.0	25.0	0.49
F11	03 Nov 2017	48	13.73	89.65	6.5	33.38	8.0	25.0	0.47
F11	03 Nov 2017	49	13.60	89.19	6.4	33.38	8.0	25.0	0.49
F11	03 Nov 2017	50	13.57	88.89	6.4	33.38	8.0	25.0	0.46
F11	03 Nov 2017	51	13.54	88.84	6.3	33.38	8.0	25.0	0.48
F11	03 Nov 2017	52	13.43	88.78	6.3	33.39	8.0	25.1	0.48
F11	03 Nov 2017	53	13.28	88.46	6.2	33.39	7.9	25.1	0.48
F11	03 Nov 2017	54	13.26	87.83	6.2	33.39	7.9	25.1	0.49
F11	03 Nov 2017	55	13.24	87.68	6.1	33.39	7.9	25.1	0.49
F11	03 Nov 2017	56	13.23	87.37	6.1	33.39	7.9	25.1	0.50
F11	03 Nov 2017	57	13.08	86.88	5.8	33.41	7.9	25.1	0.50
F11	03 Nov 2017	58	12.89	83.84	5.6	33.41	7.9	25.2	0.47
F11	03 Nov 2017	59	12.88	83.30	5.6	33.41	7.9	25.2	0.47
F11	03 Nov 2017	60	12.88	83.67	5.6	33.41	7.9	25.2	0.47
F11	03 Nov 2017	61	12.85	81.66	5.5	33.41	7.9	25.2	0.46
F11	03 Nov 2017	62	12.85	80.83	5.5	33.41	7.9	25.2	0.46
F12	01 Nov 2017	1	18.31	85.28	8.2	33.43	8.2	24.0	1.65
F12	01 Nov 2017	2	18.31	85.26	8.2	33.43	8.2	24.0	1.68
F12	01 Nov 2017	3	18.30	84.95	8.2	33.43	8.2	24.0	1.77
F12	01 Nov 2017	4	18.30	84.77	8.2	33.43	8.2	24.0	1.90
F12	01 Nov 2017	5	18.25	83.67	8.2	33.42	8.2	24.0	2.54
F12	01 Nov 2017	6	18.15	80.82	8.1	33.43	8.2	24.0	3.07
F12	01 Nov 2017	7	17.98	78.73	8.1	33.42	8.2	24.1	3.42
F12	01 Nov 2017	8	17.98	78.55	8.1	33.42	8.2	24.1	3.54
F12	01 Nov 2017	9	17.67	78.70	8.0	33.42	8.2	24.1	3.45
F12	01 Nov 2017	10	17.61	80.24	7.9	33.40	8.2	24.1	3.33
F12	01 Nov 2017	11	17.27	82.61	7.7	33.41	8.1	24.2	2.72
F12	01 Nov 2017	12	17.04	84.52	7.5	33.41	8.1	24.3	2.07
F12	01 Nov 2017	13	16.37	85.79	7.6	33.38	8.1	24.4	1.60
F12	01 Nov 2017	14	16.31	86.39	7.6	33.36	8.1	24.4	1.40
F12	01 Nov 2017	15	16.31	86.43	7.6	33.36	8.1	24.4	1.36
F12	01 Nov 2017	16	16.31	86.06	7.6	33.36	8.1	24.4	1.35
F12	01 Nov 2017	17	16.30	86.42	7.6	33.36	8.1	24.4	1.36
F12	01 Nov 2017	18	16.30	86.16	7.7	33.36	8.1	24.4	1.43
F12	01 Nov 2017	19	16.29	86.19	7.7	33.36	8.1	24.4	1.40
F12	01 Nov 2017	20	16.28	85.97	7.7	33.36	8.1	24.4	1.41
F12	01 Nov 2017	21	16.24	86.02	7.8	33.37	8.1	24.4	1.42
F12	01 Nov 2017	22	15.89	86.56	7.8	33.38	8.1	24.5	1.41
F12	01 Nov 2017	23	15.59	85.75	7.8	33.36	8.1	24.6	1.47
F12	01 Nov 2017	24	15.52	84.59	7.7	33.36	8.1	24.6	1.50
F12	01 Nov 2017	25	15.32	85.68	7.7	33.37	8.1	24.6	1.50
F12	01 Nov 2017	26	15.04	86.62	7.6	33.36	8.1	24.7	1.44
F12	01 Nov 2017	27	15.00	86.73	7.6	33.35	8.1	24.7	1.34
F12	01 Nov 2017	28	14.98	87.34	7.6	33.35	8.1	24.7	1.30
F12	01 Nov 2017	29	14.96	87.31	7.6	33.35	8.1	24.7	1.29
F12	01 Nov 2017	30	14.93	87.50	7.5	33.35	8.1	24.7	1.26
F12	01 Nov 2017	31	14.90	87.46	7.5	33.35	8.1	24.7	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	01 Nov 2017	32	14.88	87.74	7.5	33.35	8.1	24.7	1.22
F12	01 Nov 2017	33	14.88	88.08	7.5	33.35	8.1	24.7	1.21
F12	01 Nov 2017	34	14.86	87.87	7.5	33.35	8.1	24.7	1.17
F12	01 Nov 2017	35	14.82	87.90	7.4	33.35	8.1	24.7	1.08
F12	01 Nov 2017	36	14.81	88.50	7.3	33.35	8.1	24.7	1.04
F12	01 Nov 2017	37	14.80	88.80	7.3	33.35	8.1	24.7	0.96
F12	01 Nov 2017	38	14.76	88.51	7.2	33.36	8.1	24.8	0.90
F12	01 Nov 2017	39	14.66	88.49	7.3	33.36	8.1	24.8	0.89
F12	01 Nov 2017	40	14.58	88.78	7.3	33.35	8.1	24.8	0.93
F12	01 Nov 2017	41	14.53	88.89	7.3	33.35	8.1	24.8	0.89
F12	01 Nov 2017	42	14.49	89.06	7.3	33.35	8.1	24.8	0.86
F12	01 Nov 2017	43	14.47	89.10	7.2	33.35	8.1	24.8	0.85
F12	01 Nov 2017	44	14.44	89.23	7.2	33.35	8.1	24.8	0.83
F12	01 Nov 2017	45	14.42	89.24	7.2	33.35	8.1	24.8	0.81
F12	01 Nov 2017	46	14.42	89.27	7.1	33.35	8.1	24.8	0.81
F12	01 Nov 2017	47	14.40	89.45	7.2	33.35	8.1	24.8	0.83
F12	01 Nov 2017	48	14.39	89.74	7.2	33.35	8.1	24.8	0.84
F12	01 Nov 2017	49	14.38	89.81	7.2	33.35	8.1	24.8	0.85
F12	01 Nov 2017	50	14.35	89.83	7.1	33.36	8.1	24.8	0.85
F12	01 Nov 2017	51	14.21	89.80	6.9	33.37	8.1	24.9	0.83
F12	01 Nov 2017	52	14.03	89.62	6.6	33.37	8.0	24.9	0.87
F12	01 Nov 2017	53	13.93	89.64	6.5	33.37	8.0	24.9	0.80
F12	01 Nov 2017	54	13.85	89.12	6.5	33.37	8.0	25.0	0.82
F12	01 Nov 2017	55	13.69	88.80	6.4	33.38	8.0	25.0	0.82
F12	01 Nov 2017	56	13.65	88.16	6.4	33.37	8.0	25.0	0.84
F12	01 Nov 2017	57	13.65	87.01	6.3	33.37	8.0	25.0	0.85
F12	01 Nov 2017	58	13.58	86.38	6.2	33.38	8.0	25.0	0.84
F12	01 Nov 2017	59	13.41	84.10	6.1	33.39	8.0	25.1	0.86
F12	01 Nov 2017	60	13.20	81.56	6.0	33.40	8.0	25.1	0.88
F12	01 Nov 2017	61	13.08	81.01	6.0	33.40	8.0	25.1	0.89
F12	01 Nov 2017	62	13.07	80.76	5.9	33.39	8.0	25.1	0.87
F12	01 Nov 2017	63	13.06	80.73	5.9	33.39	8.0	25.1	0.86
F13	01 Nov 2017	1	18.29	86.80	8.1	33.42	8.2	24.0	1.48
F13	01 Nov 2017	2	18.29	86.69	8.1	33.42	8.2	24.0	1.54
F13	01 Nov 2017	3	18.29	86.28	8.1	33.42	8.2	24.0	1.59
F13	01 Nov 2017	4	18.28	86.02	8.1	33.42	8.2	24.0	1.66
F13	01 Nov 2017	5	18.24	85.77	8.1	33.42	8.2	24.0	1.79
F13	01 Nov 2017	6	18.04	84.20	8.1	33.43	8.2	24.1	2.08
F13	01 Nov 2017	7	17.71	83.91	8.2	33.40	8.2	24.1	2.42
F13	01 Nov 2017	8	17.56	81.96	8.1	33.40	8.2	24.2	2.73
F13	01 Nov 2017	9	17.33	82.25	7.9	33.40	8.1	24.2	2.78
F13	01 Nov 2017	10	17.20	83.50	7.7	33.40	8.1	24.2	2.58
F13	01 Nov 2017	11	16.91	84.37	7.7	33.39	8.1	24.3	2.08
F13	01 Nov 2017	12	16.92	84.91	7.6	33.38	8.1	24.3	1.85
F13	01 Nov 2017	13	16.48	85.08	7.6	33.38	8.1	24.4	1.59
F13	01 Nov 2017	14	16.43	85.70	7.7	33.36	8.1	24.4	1.43
F13	01 Nov 2017	15	16.36	85.99	7.8	33.36	8.1	24.4	1.36
F13	01 Nov 2017	16	16.29	86.22	7.8	33.36	8.1	24.4	1.33
F13	01 Nov 2017	17	16.23	86.36	7.8	33.36	8.1	24.4	1.27
F13	01 Nov 2017	18	16.21	86.47	7.7	33.36	8.1	24.4	1.24
F13	01 Nov 2017	19	16.21	86.60	7.7	33.36	8.1	24.4	1.23
F13	01 Nov 2017	20	16.21	86.32	7.7	33.36	8.1	24.4	1.21
F13	01 Nov 2017	21	16.22	86.44	7.6	33.36	8.1	24.4	1.17
F13	01 Nov 2017	22	16.22	86.45	7.6	33.36	8.1	24.4	1.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	01 Nov 2017	23	16.21	86.42	7.5	33.37	8.1	24.4	1.12
F13	01 Nov 2017	24	15.97	86.45	7.3	33.38	8.1	24.5	1.00
F13	01 Nov 2017	25	15.60	86.61	7.2	33.37	8.1	24.6	0.90
F13	01 Nov 2017	26	15.34	86.39	7.1	33.37	8.1	24.6	0.87
F13	01 Nov 2017	27	15.17	86.38	7.0	33.36	8.1	24.7	0.87
F13	01 Nov 2017	28	15.15	86.50	7.0	33.35	8.1	24.7	0.83
F13	01 Nov 2017	29	15.12	86.68	7.0	33.35	8.1	24.7	0.81
F13	01 Nov 2017	30	15.01	86.84	7.0	33.36	8.1	24.7	0.80
F13	01 Nov 2017	31	14.96	87.74	7.0	33.35	8.1	24.7	0.83
F13	01 Nov 2017	32	14.90	87.99	7.0	33.35	8.1	24.7	0.75
F13	01 Nov 2017	33	14.83	87.81	7.0	33.35	8.1	24.7	0.74
F13	01 Nov 2017	34	14.77	88.05	7.0	33.35	8.1	24.8	0.71
F13	01 Nov 2017	35	14.73	88.22	6.9	33.35	8.1	24.8	0.71
F13	01 Nov 2017	36	14.69	88.36	6.9	33.36	8.0	24.8	0.73
F13	01 Nov 2017	37	14.64	88.41	6.9	33.35	8.0	24.8	0.71
F13	01 Nov 2017	38	14.60	88.67	6.9	33.36	8.0	24.8	0.71
F13	01 Nov 2017	39	14.56	88.71	6.8	33.36	8.0	24.8	0.72
F13	01 Nov 2017	40	14.48	88.87	6.9	33.36	8.0	24.8	0.69
F13	01 Nov 2017	41	14.42	89.08	7.0	33.36	8.1	24.8	0.77
F13	01 Nov 2017	42	14.31	89.02	7.0	33.36	8.1	24.9	0.75
F13	01 Nov 2017	43	14.08	89.40	6.8	33.37	8.0	24.9	0.73
F13	01 Nov 2017	44	13.99	89.60	6.7	33.37	8.0	24.9	0.72
F13	01 Nov 2017	45	13.85	89.53	6.6	33.37	8.0	25.0	0.72
F13	01 Nov 2017	46	13.68	89.81	6.7	33.38	8.0	25.0	0.74
F13	01 Nov 2017	47	13.57	89.77	6.8	33.37	8.0	25.0	0.77
F13	01 Nov 2017	48	13.49	90.12	6.7	33.38	8.0	25.0	0.79
F13	01 Nov 2017	49	13.45	89.94	6.6	33.38	8.0	25.0	0.76
F13	01 Nov 2017	50	13.43	89.87	6.6	33.38	8.0	25.1	0.76
F13	01 Nov 2017	51	13.39	89.56	6.5	33.38	8.0	25.1	0.74
F13	01 Nov 2017	52	13.37	89.60	6.4	33.38	8.0	25.1	0.73
F13	01 Nov 2017	53	13.30	88.67	6.3	33.38	8.0	25.1	0.72
F13	01 Nov 2017	54	13.28	88.30	6.3	33.38	8.0	25.1	0.76
F13	01 Nov 2017	55	13.24	88.08	6.3	33.39	8.0	25.1	0.73
F13	01 Nov 2017	56	13.20	88.58	6.3	33.39	8.0	25.1	0.72
F13	01 Nov 2017	57	13.17	88.89	6.3	33.39	8.0	25.1	0.75
F13	01 Nov 2017	58	13.13	89.15	6.3	33.40	8.0	25.1	0.79
F13	01 Nov 2017	59	13.10	88.92	6.3	33.40	8.0	25.1	0.77
F13	01 Nov 2017	60	13.02	88.53	6.1	33.41	8.0	25.2	0.80
F13	01 Nov 2017	61	12.92	85.96	6.0	33.41	8.0	25.2	0.78
F13	01 Nov 2017	62	12.87	83.92	5.9	33.41	8.0	25.2	0.77
F14	01 Nov 2017	1	18.68	86.99	8.2	33.46	8.2	23.9	1.29
F14	01 Nov 2017	2	18.68	86.63	8.2	33.46	8.2	23.9	1.38
F14	01 Nov 2017	3	18.65	86.47	8.1	33.46	8.2	23.9	1.43
F14	01 Nov 2017	4	18.47	87.08	8.1	33.45	8.2	24.0	1.37
F14	01 Nov 2017	5	18.31	87.50	8.2	33.43	8.2	24.0	1.29
F14	01 Nov 2017	6	18.20	87.72	8.2	33.42	8.2	24.0	1.27
F14	01 Nov 2017	7	18.16	87.65	8.2	33.41	8.2	24.0	1.27
F14	01 Nov 2017	8	18.02	87.50	8.1	33.42	8.2	24.1	1.35
F14	01 Nov 2017	9	17.63	86.94	8.1	33.40	8.2	24.1	1.55
F14	01 Nov 2017	10	17.58	86.52	8.2	33.39	8.2	24.1	1.85
F14	01 Nov 2017	11	17.40	85.35	8.1	33.38	8.1	24.2	1.95
F14	01 Nov 2017	12	17.07	85.08	7.8	33.42	8.1	24.3	1.96
F14	01 Nov 2017	13	16.34	86.21	7.7	33.39	8.1	24.4	1.68
F14	01 Nov 2017	14	16.26	87.05	7.7	33.36	8.1	24.4	1.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F14	01 Nov 2017	15	16.25	87.33	7.6	33.36	8.1	24.4	1.24
F14	01 Nov 2017	16	16.25	87.29	7.7	33.36	8.1	24.4	1.18
F14	01 Nov 2017	17	16.25	87.33	7.6	33.36	8.1	24.4	1.15
F14	01 Nov 2017	18	16.25	87.70	7.6	33.36	8.1	24.4	1.18
F14	01 Nov 2017	19	16.25	87.70	7.6	33.36	8.1	24.4	1.14
F14	01 Nov 2017	20	16.25	87.73	7.6	33.36	8.1	24.4	1.11
F14	01 Nov 2017	21	16.23	87.90	7.6	33.37	8.1	24.4	1.08
F14	01 Nov 2017	22	16.03	87.80	7.5	33.38	8.1	24.5	1.02
F14	01 Nov 2017	23	15.93	87.77	7.5	33.37	8.1	24.5	1.00
F14	01 Nov 2017	24	15.81	87.89	7.4	33.37	8.1	24.5	0.96
F14	01 Nov 2017	25	15.69	87.27	7.3	33.36	8.1	24.6	0.95
F14	01 Nov 2017	26	15.59	87.34	7.3	33.36	8.1	24.6	0.91
F14	01 Nov 2017	27	15.50	88.09	7.3	33.36	8.1	24.6	0.87
F14	01 Nov 2017	28	15.43	88.14	7.3	33.36	8.1	24.6	0.82
F14	01 Nov 2017	29	15.30	88.01	7.3	33.36	8.1	24.6	0.80
F14	01 Nov 2017	30	15.19	87.88	7.3	33.36	8.1	24.7	0.77
F14	01 Nov 2017	31	15.08	87.64	7.3	33.35	8.1	24.7	0.77
F14	01 Nov 2017	32	14.97	88.23	7.2	33.35	8.1	24.7	0.73
F14	01 Nov 2017	33	14.92	88.68	7.2	33.35	8.1	24.7	0.73
F14	01 Nov 2017	34	14.90	88.14	7.1	33.35	8.1	24.7	0.72
F14	01 Nov 2017	35	14.90	88.42	7.1	33.35	8.1	24.7	0.72
F14	01 Nov 2017	36	14.89	88.09	7.1	33.35	8.1	24.7	0.71
F14	01 Nov 2017	37	14.81	87.82	7.0	33.36	8.0	24.7	0.70
F14	01 Nov 2017	38	14.73	88.50	7.0	33.36	8.0	24.8	0.70
F14	01 Nov 2017	39	14.61	88.54	7.1	33.36	8.1	24.8	0.71
F14	01 Nov 2017	40	14.49	88.70	6.8	33.36	8.0	24.8	0.68
F14	01 Nov 2017	41	14.39	88.74	6.6	33.36	8.0	24.8	0.67
F14	01 Nov 2017	42	14.23	88.52	6.6	33.37	8.0	24.9	0.67
F14	01 Nov 2017	43	13.95	89.54	6.7	33.38	8.0	24.9	0.70
F14	01 Nov 2017	44	13.83	89.59	6.7	33.37	8.0	25.0	0.75
F14	01 Nov 2017	45	13.67	90.13	6.8	33.38	8.0	25.0	0.79
F14	01 Nov 2017	46	13.57	89.97	6.8	33.37	8.0	25.0	0.85
F14	01 Nov 2017	47	13.49	89.92	6.8	33.38	8.0	25.0	0.90
F14	01 Nov 2017	48	13.43	90.27	6.8	33.38	8.0	25.1	0.93
F14	01 Nov 2017	49	13.36	90.42	6.7	33.38	8.0	25.1	0.94
F14	01 Nov 2017	50	13.32	90.54	6.7	33.38	8.0	25.1	0.94
F14	01 Nov 2017	51	13.29	90.30	6.6	33.38	8.0	25.1	0.98
F14	01 Nov 2017	52	13.26	90.17	6.6	33.39	8.0	25.1	0.99
F14	01 Nov 2017	53	13.13	89.82	6.4	33.40	8.0	25.1	0.94
F14	01 Nov 2017	54	13.06	89.53	6.3	33.40	8.0	25.1	0.88
F14	01 Nov 2017	55	13.03	89.16	6.2	33.40	8.0	25.1	0.87
F14	01 Nov 2017	56	12.99	89.11	6.2	33.41	8.0	25.2	0.86
F14	01 Nov 2017	57	12.93	88.64	6.1	33.41	8.0	25.2	0.82
F14	01 Nov 2017	58	12.85	87.76	6.0	33.42	8.0	25.2	0.81
F14	01 Nov 2017	59	12.75	86.81	5.8	33.42	8.0	25.2	0.79
F14	01 Nov 2017	60	12.72	85.41	5.8	33.42	8.0	25.2	0.78
F14	01 Nov 2017	61	12.72	84.91	5.7	33.42	8.0	25.2	0.78
F14	01 Nov 2017	62	12.72	84.63	5.7	33.42	7.9	25.2	0.77
F15	02 Nov 2017	1	19.41	89.48	7.9	33.51	8.2	23.8	0.48
F15	02 Nov 2017	2	19.40	89.36	7.8	33.51	8.2	23.8	0.48
F15	02 Nov 2017	3	19.35	89.24	7.9	33.51	8.2	23.8	0.49
F15	02 Nov 2017	4	19.32	89.28	7.8	33.51	8.2	23.8	0.51
F15	02 Nov 2017	5	19.28	89.21	7.8	33.50	8.2	23.8	0.53
F15	02 Nov 2017	6	19.27	89.16	7.8	33.50	8.2	23.8	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	02 Nov 2017	7	19.24	89.08	7.9	33.50	8.2	23.8	0.54
F15	02 Nov 2017	8	19.20	89.05	7.9	33.50	8.2	23.8	0.56
F15	02 Nov 2017	9	19.13	88.96	7.9	33.50	8.2	23.8	0.59
F15	02 Nov 2017	10	19.00	88.85	7.8	33.49	8.2	23.9	0.63
F15	02 Nov 2017	11	18.55	88.79	7.9	33.49	8.2	24.0	0.71
F15	02 Nov 2017	12	17.97	88.48	8.0	33.46	8.2	24.1	0.83
F15	02 Nov 2017	13	17.66	88.22	8.1	33.43	8.2	24.2	0.93
F15	02 Nov 2017	14	17.27	88.36	8.1	33.42	8.2	24.2	0.97
F15	02 Nov 2017	15	17.08	88.12	8.2	33.40	8.2	24.3	1.12
F15	02 Nov 2017	16	16.97	87.73	8.2	33.39	8.2	24.3	1.36
F15	02 Nov 2017	17	16.85	87.46	8.1	33.39	8.2	24.3	1.53
F15	02 Nov 2017	18	16.59	87.51	8.1	33.39	8.2	24.4	1.70
F15	02 Nov 2017	19	16.34	87.26	8.1	33.38	8.1	24.4	1.99
F15	02 Nov 2017	20	16.08	86.68	8.1	33.38	8.1	24.5	2.29
F15	02 Nov 2017	21	15.64	86.43	8.1	33.38	8.1	24.6	2.67
F15	02 Nov 2017	22	15.50	86.19	8.1	33.36	8.1	24.6	2.99
F15	02 Nov 2017	23	15.40	86.01	8.1	33.35	8.1	24.6	3.08
F15	02 Nov 2017	24	15.31	86.62	8.0	33.35	8.1	24.6	2.92
F15	02 Nov 2017	25	15.22	87.25	8.0	33.36	8.1	24.7	2.75
F15	02 Nov 2017	26	15.07	87.62	7.9	33.36	8.1	24.7	2.59
F15	02 Nov 2017	27	14.92	88.04	7.9	33.36	8.1	24.7	2.45
F15	02 Nov 2017	28	14.88	88.22	7.8	33.35	8.1	24.7	2.34
F15	02 Nov 2017	29	14.84	88.38	7.7	33.35	8.1	24.7	2.27
F15	02 Nov 2017	30	14.77	88.66	7.7	33.35	8.1	24.8	2.04
F15	02 Nov 2017	31	14.69	88.92	7.6	33.36	8.1	24.8	1.86
F15	02 Nov 2017	32	14.65	89.11	7.6	33.36	8.1	24.8	1.83
F15	02 Nov 2017	33	14.58	89.17	7.6	33.36	8.1	24.8	1.77
F15	02 Nov 2017	34	14.46	89.50	7.7	33.36	8.1	24.8	1.73
F15	02 Nov 2017	35	14.44	89.49	7.6	33.36	8.1	24.8	1.66
F15	02 Nov 2017	36	14.41	89.54	7.4	33.36	8.1	24.8	1.57
F15	02 Nov 2017	37	14.36	89.58	7.3	33.36	8.1	24.8	1.45
F15	02 Nov 2017	38	14.31	89.67	7.3	33.36	8.1	24.9	1.38
F15	02 Nov 2017	39	14.30	89.59	7.2	33.36	8.1	24.9	1.32
F15	02 Nov 2017	40	14.20	89.32	7.1	33.37	8.1	24.9	1.29
F15	02 Nov 2017	41	14.12	89.25	7.0	33.37	8.1	24.9	1.29
F15	02 Nov 2017	42	14.10	89.19	6.9	33.37	8.0	24.9	1.28
F15	02 Nov 2017	43	14.04	89.15	6.8	33.38	8.0	24.9	1.27
F15	02 Nov 2017	44	13.96	89.12	6.6	33.38	8.0	24.9	1.25
F15	02 Nov 2017	45	13.89	89.00	6.6	33.38	8.0	25.0	1.21
F15	02 Nov 2017	46	13.88	88.90	6.5	33.38	8.0	25.0	1.18
F15	02 Nov 2017	47	13.88	88.89	6.5	33.38	8.0	25.0	1.17
F15	02 Nov 2017	48	13.88	88.69	6.5	33.38	8.0	25.0	1.15
F15	02 Nov 2017	49	13.87	88.77	6.5	33.38	8.0	25.0	1.15
F15	02 Nov 2017	50	13.86	88.75	6.5	33.38	8.0	25.0	1.15
F15	02 Nov 2017	51	13.85	88.87	6.5	33.38	8.0	25.0	1.14
F15	02 Nov 2017	52	13.85	88.89	6.5	33.38	8.0	25.0	1.14
F15	02 Nov 2017	53	13.85	88.85	6.5	33.38	8.0	25.0	1.14
F15	02 Nov 2017	54	13.84	88.84	6.5	33.38	8.0	25.0	1.13
F15	02 Nov 2017	55	13.84	88.89	6.5	33.38	8.0	25.0	1.11
F15	02 Nov 2017	56	13.84	88.82	6.5	33.38	8.0	25.0	1.11
F15	02 Nov 2017	57	13.84	88.79	6.5	33.39	8.0	25.0	1.13
F15	02 Nov 2017	58	13.84	88.80	6.4	33.39	8.0	25.0	1.10
F15	02 Nov 2017	59	13.84	88.72	6.4	33.38	8.0	25.0	1.08
F15	02 Nov 2017	60	13.84	88.77	6.4	33.39	8.0	25.0	1.10
F15	02 Nov 2017	61	13.84	88.76	6.4	33.39	8.0	25.0	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	02 Nov 2017	62	13.83	88.75	6.4	33.39	8.0	25.0	1.08
F15	02 Nov 2017	63	13.81	88.73	6.4	33.39	8.0	25.0	1.07
F15	02 Nov 2017	64	13.79	88.71	6.4	33.39	8.0	25.0	1.04
F15	02 Nov 2017	65	13.77	88.56	6.4	33.39	8.0	25.0	1.01
F15	02 Nov 2017	66	13.74	88.55	6.4	33.39	8.0	25.0	0.98
F15	02 Nov 2017	67	13.62	88.70	6.4	33.39	8.0	25.0	0.94
F15	02 Nov 2017	68	13.55	89.15	6.5	33.38	8.0	25.0	0.87
F15	02 Nov 2017	69	13.49	89.33	6.5	33.38	8.0	25.0	0.84
F15	02 Nov 2017	70	13.46	89.48	6.5	33.38	8.0	25.0	0.81
F15	02 Nov 2017	71	13.44	89.63	6.5	33.38	8.0	25.1	0.80
F15	02 Nov 2017	72	13.42	89.63	6.5	33.38	8.0	25.1	0.79
F15	02 Nov 2017	73	13.32	89.53	6.4	33.39	8.0	25.1	0.76
F15	02 Nov 2017	74	13.20	89.46	6.4	33.39	8.0	25.1	0.78
F15	02 Nov 2017	75	13.17	89.52	6.3	33.39	8.0	25.1	0.74
F15	02 Nov 2017	76	13.06	89.43	6.2	33.40	8.0	25.1	0.72
F15	02 Nov 2017	77	12.84	88.88	6.0	33.42	8.0	25.2	0.66
F15	02 Nov 2017	78	12.72	87.95	5.9	33.43	8.0	25.2	0.64
F15	02 Nov 2017	79	12.66	87.40	5.8	33.43	8.0	25.2	0.63
F15	02 Nov 2017	80	12.56	86.98	5.7	33.44	7.9	25.3	0.61
F15	02 Nov 2017	81	12.45	86.09	5.6	33.45	7.9	25.3	0.61
F15	02 Nov 2017	82	12.41	85.09	5.5	33.44	7.9	25.3	0.57
F16	02 Nov 2017	1	19.48	89.56	7.8	33.52	8.2	23.8	0.48
F16	02 Nov 2017	2	19.44	89.46	7.8	33.52	8.2	23.8	0.48
F16	02 Nov 2017	3	19.39	89.36	7.8	33.52	8.2	23.8	0.50
F16	02 Nov 2017	4	19.39	89.32	7.8	33.52	8.2	23.8	0.50
F16	02 Nov 2017	5	19.38	89.34	7.8	33.52	8.2	23.8	0.51
F16	02 Nov 2017	6	19.37	89.28	7.8	33.52	8.2	23.8	0.52
F16	02 Nov 2017	7	19.37	89.25	7.8	33.52	8.2	23.8	0.54
F16	02 Nov 2017	8	19.36	89.30	7.8	33.52	8.2	23.8	0.54
F16	02 Nov 2017	9	19.36	89.28	7.8	33.52	8.2	23.8	0.56
F16	02 Nov 2017	10	19.35	89.25	7.8	33.52	8.2	23.8	0.58
F16	02 Nov 2017	11	19.32	89.24	7.8	33.51	8.2	23.8	0.60
F16	02 Nov 2017	12	19.17	89.13	7.8	33.52	8.2	23.8	0.64
F16	02 Nov 2017	13	18.62	88.97	7.9	33.50	8.2	24.0	0.68
F16	02 Nov 2017	14	18.39	88.87	8.0	33.47	8.2	24.0	0.71
F16	02 Nov 2017	15	18.31	88.82	8.0	33.46	8.2	24.0	0.76
F16	02 Nov 2017	16	18.03	88.72	8.0	33.47	8.2	24.1	0.79
F16	02 Nov 2017	17	17.52	88.69	8.0	33.45	8.2	24.2	0.86
F16	02 Nov 2017	18	17.13	88.53	8.1	33.42	8.2	24.3	0.94
F16	02 Nov 2017	19	16.81	88.89	8.2	33.40	8.2	24.3	0.96
F16	02 Nov 2017	20	16.62	88.98	8.2	33.39	8.2	24.4	1.01
F16	02 Nov 2017	21	16.48	88.82	8.2	33.38	8.2	24.4	1.12
F16	02 Nov 2017	22	16.45	88.76	8.2	33.37	8.1	24.4	1.21
F16	02 Nov 2017	23	16.34	88.63	8.2	33.37	8.1	24.4	1.31
F16	02 Nov 2017	24	16.22	88.36	8.2	33.37	8.1	24.4	1.44
F16	02 Nov 2017	25	16.08	88.20	8.1	33.38	8.1	24.5	1.63
F16	02 Nov 2017	26	15.81	87.79	8.1	33.38	8.1	24.5	2.05
F16	02 Nov 2017	27	15.43	86.25	8.0	33.38	8.1	24.6	2.54
F16	02 Nov 2017	28	15.21	86.30	8.0	33.36	8.1	24.7	2.62
F16	02 Nov 2017	29	15.09	86.92	7.9	33.36	8.1	24.7	2.56
F16	02 Nov 2017	30	14.97	87.36	7.9	33.35	8.1	24.7	2.52
F16	02 Nov 2017	31	14.94	87.56	7.8	33.35	8.1	24.7	2.46
F16	02 Nov 2017	32	14.91	87.85	7.8	33.35	8.1	24.7	2.40
F16	02 Nov 2017	33	14.86	87.89	7.8	33.35	8.1	24.7	2.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	02 Nov 2017	34	14.83	88.20	7.7	33.35	8.1	24.7	2.25
F16	02 Nov 2017	35	14.81	88.32	7.7	33.35	8.1	24.7	2.17
F16	02 Nov 2017	36	14.77	88.47	7.6	33.36	8.1	24.8	2.07
F16	02 Nov 2017	37	14.69	88.80	7.6	33.36	8.1	24.8	1.92
F16	02 Nov 2017	38	14.66	89.09	7.6	33.36	8.1	24.8	1.79
F16	02 Nov 2017	39	14.65	89.20	7.6	33.36	8.1	24.8	1.75
F16	02 Nov 2017	40	14.62	89.28	7.5	33.36	8.1	24.8	1.73
F16	02 Nov 2017	41	14.60	89.28	7.5	33.36	8.1	24.8	1.75
F16	02 Nov 2017	42	14.56	89.32	7.5	33.37	8.1	24.8	1.72
F16	02 Nov 2017	43	14.52	89.51	7.4	33.37	8.1	24.8	1.61
F16	02 Nov 2017	44	14.40	89.62	7.3	33.37	8.1	24.8	1.53
F16	02 Nov 2017	45	14.32	89.38	7.2	33.37	8.1	24.9	1.45
F16	02 Nov 2017	46	14.28	89.15	7.1	33.37	8.1	24.9	1.44
F16	02 Nov 2017	47	14.23	89.04	7.0	33.37	8.1	24.9	1.44
F16	02 Nov 2017	48	14.13	89.06	6.9	33.38	8.0	24.9	1.39
F16	02 Nov 2017	49	14.07	89.17	6.8	33.38	8.0	24.9	1.32
F16	02 Nov 2017	50	14.00	89.18	6.7	33.38	8.0	24.9	1.26
F16	02 Nov 2017	51	13.95	88.97	6.7	33.38	8.0	24.9	1.18
F16	02 Nov 2017	52	13.94	88.84	6.6	33.38	8.0	24.9	1.12
F16	02 Nov 2017	53	13.94	88.78	6.6	33.38	8.0	24.9	1.10
F16	02 Nov 2017	54	13.93	88.80	6.6	33.38	8.0	24.9	1.06
F16	02 Nov 2017	55	13.93	88.76	6.6	33.38	8.0	24.9	1.04
F16	02 Nov 2017	56	13.93	88.72	6.6	33.38	8.0	24.9	1.04
F16	02 Nov 2017	57	13.93	88.79	6.6	33.38	8.0	24.9	1.02
F16	02 Nov 2017	58	13.92	88.79	6.6	33.38	8.0	24.9	1.00
F16	02 Nov 2017	59	13.89	88.93	6.6	33.38	8.0	25.0	0.98
F16	02 Nov 2017	60	13.85	88.97	6.6	33.38	8.0	25.0	0.97
F16	02 Nov 2017	61	13.84	88.92	6.6	33.38	8.0	25.0	0.96
F16	02 Nov 2017	62	13.83	88.90	6.5	33.38	8.0	25.0	0.97
F16	02 Nov 2017	63	13.83	88.86	6.5	33.38	8.0	25.0	0.98
F16	02 Nov 2017	64	13.83	88.79	6.5	33.38	8.0	25.0	1.01
F16	02 Nov 2017	65	13.83	88.79	6.5	33.38	8.0	25.0	1.04
F16	02 Nov 2017	66	13.83	88.79	6.5	33.38	8.0	25.0	1.07
F16	02 Nov 2017	67	13.82	88.80	6.5	33.38	8.0	25.0	1.07
F16	02 Nov 2017	68	13.81	88.82	6.5	33.38	8.0	25.0	1.09
F16	02 Nov 2017	69	13.79	88.89	6.5	33.38	8.0	25.0	1.06
F16	02 Nov 2017	70	13.72	89.09	6.5	33.38	8.0	25.0	1.00
F16	02 Nov 2017	71	13.65	89.27	6.5	33.38	8.0	25.0	0.97
F16	02 Nov 2017	72	13.58	89.53	6.6	33.38	8.0	25.0	0.91
F16	02 Nov 2017	73	13.51	89.80	6.6	33.38	8.0	25.0	0.86
F16	02 Nov 2017	74	13.48	89.93	6.5	33.38	8.0	25.0	0.82
F16	02 Nov 2017	75	13.39	89.81	6.5	33.38	8.0	25.1	0.80
F16	02 Nov 2017	76	13.29	89.63	6.4	33.39	8.0	25.1	0.76
F16	02 Nov 2017	77	13.06	89.35	6.2	33.41	8.0	25.1	0.71
F16	02 Nov 2017	78	12.89	88.90	6.0	33.42	8.0	25.2	0.66
F16	02 Nov 2017	79	12.73	88.38	5.9	33.43	8.0	25.2	0.64
F16	02 Nov 2017	80	12.62	87.34	5.8	33.44	8.0	25.3	0.63
F16	02 Nov 2017	81	12.57	86.01	5.7	33.44	7.9	25.3	0.61
F16	02 Nov 2017	82	12.54	85.39	5.7	33.44	7.9	25.3	0.64
F16	02 Nov 2017	83	12.57	85.34	5.7	33.43	7.9	25.3	0.59
F17	02 Nov 2017	1	19.53	89.81	7.7	33.53	8.2	23.8	0.55
F17	02 Nov 2017	2	19.50	89.67	7.7	33.53	8.2	23.8	0.56
F17	02 Nov 2017	3	19.46	89.56	7.7	33.53	8.2	23.8	0.58
F17	02 Nov 2017	4	19.44	89.54	7.7	33.53	8.2	23.8	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	02 Nov 2017	5	19.43	89.57	7.7	33.53	8.2	23.8	0.60
F17	02 Nov 2017	6	19.42	89.55	7.7	33.53	8.2	23.8	0.61
F17	02 Nov 2017	7	19.42	89.54	7.7	33.53	8.2	23.8	0.63
F17	02 Nov 2017	8	19.41	89.55	7.7	33.53	8.2	23.8	0.64
F17	02 Nov 2017	9	19.39	89.52	7.7	33.53	8.2	23.8	0.66
F17	02 Nov 2017	10	19.36	89.49	7.7	33.53	8.2	23.8	0.66
F17	02 Nov 2017	11	19.14	89.39	7.8	33.53	8.2	23.9	0.69
F17	02 Nov 2017	12	18.73	89.16	7.9	33.51	8.2	24.0	0.76
F17	02 Nov 2017	13	18.43	88.92	8.0	33.46	8.2	24.0	0.79
F17	02 Nov 2017	14	18.47	88.93	8.1	33.46	8.2	24.0	0.82
F17	02 Nov 2017	15	18.43	88.94	8.0	33.46	8.2	24.0	0.84
F17	02 Nov 2017	16	18.22	88.96	8.0	33.47	8.2	24.0	0.85
F17	02 Nov 2017	17	18.04	89.06	8.1	33.45	8.2	24.1	0.86
F17	02 Nov 2017	18	18.01	89.07	8.1	33.44	8.2	24.1	0.86
F17	02 Nov 2017	19	17.97	89.08	8.0	33.44	8.2	24.1	0.87
F17	02 Nov 2017	20	17.65	89.14	8.0	33.47	8.2	24.2	0.88
F17	02 Nov 2017	21	17.19	89.31	8.1	33.43	8.2	24.3	0.89
F17	02 Nov 2017	22	16.83	89.26	8.1	33.41	8.2	24.3	0.97
F17	02 Nov 2017	23	16.44	88.97	8.1	33.40	8.2	24.4	1.12
F17	02 Nov 2017	24	16.13	88.44	8.1	33.38	8.1	24.5	1.43
F17	02 Nov 2017	25	15.80	87.80	8.0	33.38	8.1	24.5	1.84
F17	02 Nov 2017	26	15.38	86.54	8.0	33.38	8.1	24.6	2.31
F17	02 Nov 2017	27	15.14	86.84	8.0	33.36	8.1	24.7	2.45
F17	02 Nov 2017	28	15.08	87.18	7.9	33.35	8.1	24.7	2.42
F17	02 Nov 2017	29	15.03	87.48	7.9	33.35	8.1	24.7	2.41
F17	02 Nov 2017	30	15.00	87.48	7.9	33.35	8.1	24.7	2.47
F17	02 Nov 2017	31	14.99	87.60	7.8	33.35	8.1	24.7	2.46
F17	02 Nov 2017	32	14.97	87.83	7.8	33.35	8.1	24.7	2.31
F17	02 Nov 2017	33	14.95	88.10	7.7	33.35	8.1	24.7	2.21
F17	02 Nov 2017	34	14.83	88.29	7.6	33.37	8.1	24.7	1.96
F17	02 Nov 2017	35	14.74	88.75	7.4	33.36	8.1	24.8	1.82
F17	02 Nov 2017	36	14.66	88.97	7.3	33.37	8.1	24.8	1.71
F17	02 Nov 2017	37	14.56	89.07	7.3	33.37	8.1	24.8	1.63
F17	02 Nov 2017	38	14.52	89.04	7.2	33.37	8.1	24.8	1.55
F17	02 Nov 2017	39	14.48	89.24	7.2	33.37	8.1	24.8	1.51
F17	02 Nov 2017	40	14.39	89.36	7.1	33.37	8.1	24.8	1.45
F17	02 Nov 2017	41	14.30	89.34	7.0	33.38	8.1	24.9	1.38
F17	02 Nov 2017	42	14.19	89.36	7.0	33.37	8.1	24.9	1.32
F17	02 Nov 2017	43	14.17	89.23	6.9	33.37	8.0	24.9	1.26
F17	02 Nov 2017	44	14.16	89.16	6.9	33.37	8.0	24.9	1.24
F17	02 Nov 2017	45	14.14	89.09	6.9	33.37	8.0	24.9	1.20
F17	02 Nov 2017	46	14.13	88.99	6.9	33.37	8.0	24.9	1.18
F17	02 Nov 2017	47	14.13	88.73	6.8	33.37	8.0	24.9	1.16
F17	02 Nov 2017	48	14.13	88.73	6.8	33.37	8.0	24.9	1.15
F17	02 Nov 2017	49	14.12	88.68	6.8	33.38	8.0	24.9	1.14
F17	02 Nov 2017	50	14.12	88.67	6.8	33.38	8.0	24.9	1.14
F17	02 Nov 2017	51	14.11	88.58	6.8	33.38	8.0	24.9	1.12
F17	02 Nov 2017	52	14.11	88.39	6.8	33.38	8.0	24.9	1.10
F17	02 Nov 2017	53	14.10	88.34	6.8	33.38	8.0	24.9	1.08
F17	02 Nov 2017	54	14.10	88.18	6.8	33.38	8.0	24.9	1.06
F17	02 Nov 2017	55	14.08	87.91	6.8	33.38	8.0	24.9	1.05
F17	02 Nov 2017	56	14.07	87.57	6.7	33.37	8.0	24.9	1.04
F17	02 Nov 2017	57	14.05	87.60	6.7	33.38	8.0	24.9	1.01
F17	02 Nov 2017	58	13.96	87.72	6.6	33.38	8.0	24.9	0.99
F17	02 Nov 2017	59	13.88	88.53	6.6	33.38	8.0	25.0	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	02 Nov 2017	60	13.85	88.85	6.6	33.38	8.0	25.0	0.93
F17	02 Nov 2017	61	13.84	89.03	6.6	33.38	8.0	25.0	0.93
F17	02 Nov 2017	62	13.83	89.02	6.6	33.38	8.0	25.0	0.93
F17	02 Nov 2017	63	13.82	89.01	6.6	33.38	8.0	25.0	0.94
F17	02 Nov 2017	64	13.82	88.96	6.6	33.38	8.0	25.0	0.95
F17	02 Nov 2017	65	13.82	89.01	6.6	33.38	8.0	25.0	0.96
F17	02 Nov 2017	66	13.79	89.05	6.6	33.38	8.0	25.0	0.94
F17	02 Nov 2017	67	13.73	89.27	6.6	33.38	8.0	25.0	0.91
F17	02 Nov 2017	68	13.68	89.35	6.6	33.38	8.0	25.0	0.89
F17	02 Nov 2017	69	13.63	89.70	6.7	33.38	8.0	25.0	0.89
F17	02 Nov 2017	70	13.59	90.02	6.7	33.38	8.0	25.0	0.88
F17	02 Nov 2017	71	13.54	90.03	6.6	33.38	8.0	25.0	0.84
F17	02 Nov 2017	72	13.50	89.90	6.6	33.38	8.0	25.0	0.80
F17	02 Nov 2017	73	13.48	89.75	6.5	33.38	8.0	25.0	0.78
F17	02 Nov 2017	74	13.43	89.62	6.4	33.38	8.0	25.1	0.78
F17	02 Nov 2017	75	13.27	89.38	6.3	33.40	8.0	25.1	0.75
F17	02 Nov 2017	76	13.16	88.81	6.2	33.39	8.0	25.1	0.74
F17	02 Nov 2017	77	13.08	88.52	6.1	33.40	8.0	25.1	0.70
F17	02 Nov 2017	78	12.86	87.82	5.9	33.43	8.0	25.2	0.67
F17	02 Nov 2017	79	12.58	87.61	5.8	33.45	8.0	25.3	0.63
F17	02 Nov 2017	80	12.50	87.79	5.6	33.45	7.9	25.3	0.61
F17	02 Nov 2017	81	12.47	87.46	5.6	33.45	7.9	25.3	0.60
F17	02 Nov 2017	82	12.39	86.07	5.5	33.46	7.9	25.3	0.60
F17	02 Nov 2017	83	12.39	85.34	5.4	33.45	7.9	25.3	0.60
F18	02 Nov 2017	1	19.49	89.50	7.7	33.51	8.2	23.8	0.50
F18	02 Nov 2017	2	19.45	89.57	7.7	33.52	8.2	23.8	0.51
F18	02 Nov 2017	3	19.37	89.74	7.7	33.52	8.2	23.8	0.52
F18	02 Nov 2017	4	19.35	89.61	7.8	33.51	8.2	23.8	0.53
F18	02 Nov 2017	5	19.34	89.59	7.8	33.51	8.2	23.8	0.53
F18	02 Nov 2017	6	19.33	89.60	7.8	33.51	8.2	23.8	0.54
F18	02 Nov 2017	7	19.30	89.53	7.8	33.51	8.2	23.8	0.55
F18	02 Nov 2017	8	19.19	89.47	7.8	33.50	8.2	23.8	0.57
F18	02 Nov 2017	9	18.99	89.30	7.8	33.49	8.2	23.9	0.60
F18	02 Nov 2017	10	18.74	89.08	7.9	33.48	8.2	23.9	0.64
F18	02 Nov 2017	11	18.41	89.00	8.0	33.47	8.2	24.0	0.67
F18	02 Nov 2017	12	18.20	89.09	8.1	33.45	8.2	24.0	0.70
F18	02 Nov 2017	13	18.09	88.95	8.1	33.44	8.2	24.1	0.77
F18	02 Nov 2017	14	17.98	88.51	8.1	33.43	8.2	24.1	0.82
F18	02 Nov 2017	15	17.77	88.81	8.2	33.44	8.2	24.1	0.88
F18	02 Nov 2017	16	17.56	88.76	8.2	33.42	8.2	24.2	0.97
F18	02 Nov 2017	17	17.46	88.67	8.2	33.41	8.2	24.2	1.05
F18	02 Nov 2017	18	17.43	88.57	8.2	33.40	8.2	24.2	1.14
F18	02 Nov 2017	19	17.39	88.60	8.2	33.40	8.2	24.2	1.18
F18	02 Nov 2017	20	17.32	88.59	8.2	33.41	8.2	24.2	1.22
F18	02 Nov 2017	21	17.10	88.42	8.1	33.42	8.2	24.3	1.31
F18	02 Nov 2017	22	16.66	88.23	8.1	33.41	8.2	24.4	1.39
F18	02 Nov 2017	23	16.22	88.07	8.1	33.39	8.1	24.5	1.58
F18	02 Nov 2017	24	15.91	87.69	8.1	33.38	8.1	24.5	1.78
F18	02 Nov 2017	25	15.77	87.56	8.1	33.37	8.1	24.5	1.92
F18	02 Nov 2017	26	15.51	87.54	8.0	33.38	8.1	24.6	2.11
F18	02 Nov 2017	27	15.29	87.19	8.0	33.36	8.1	24.6	2.27
F18	02 Nov 2017	28	15.27	87.24	8.0	33.35	8.1	24.6	2.34
F18	02 Nov 2017	29	15.25	87.37	8.0	33.35	8.1	24.6	2.35
F18	02 Nov 2017	30	15.23	87.50	7.9	33.35	8.1	24.7	2.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	02 Nov 2017	31	15.14	87.72	7.8	33.36	8.1	24.7	2.26
F18	02 Nov 2017	32	15.03	88.06	7.7	33.37	8.1	24.7	2.11
F18	02 Nov 2017	33	14.80	88.61	7.5	33.38	8.1	24.8	1.88
F18	02 Nov 2017	34	14.64	88.99	7.3	33.37	8.1	24.8	1.68
F18	02 Nov 2017	35	14.57	89.11	7.3	33.37	8.1	24.8	1.57
F18	02 Nov 2017	36	14.50	89.28	7.2	33.37	8.1	24.8	1.49
F18	02 Nov 2017	37	14.45	89.41	7.2	33.37	8.1	24.8	1.43
F18	02 Nov 2017	38	14.41	89.34	7.2	33.37	8.1	24.8	1.39
F18	02 Nov 2017	39	14.35	89.34	7.1	33.37	8.1	24.9	1.32
F18	02 Nov 2017	40	14.34	88.96	7.1	33.37	8.1	24.9	1.28
F18	02 Nov 2017	41	14.33	88.77	7.0	33.37	8.1	24.9	1.25
F18	02 Nov 2017	42	14.32	88.64	7.0	33.37	8.1	24.9	1.21
F18	02 Nov 2017	43	14.30	88.35	7.0	33.37	8.0	24.9	1.19
F18	02 Nov 2017	44	14.29	88.16	7.0	33.37	8.0	24.9	1.16
F18	02 Nov 2017	45	14.27	87.80	6.9	33.37	8.0	24.9	1.14
F18	02 Nov 2017	46	14.25	87.79	6.9	33.37	8.0	24.9	1.14
F18	02 Nov 2017	47	14.23	87.90	6.9	33.37	8.0	24.9	1.13
F18	02 Nov 2017	48	14.23	88.07	6.9	33.37	8.0	24.9	1.12
F18	02 Nov 2017	49	14.23	88.22	6.9	33.37	8.0	24.9	1.14
F18	02 Nov 2017	50	14.15	88.38	6.8	33.38	8.0	24.9	1.12
F18	02 Nov 2017	51	14.11	88.13	6.8	33.37	8.0	24.9	1.08
F18	02 Nov 2017	52	14.10	88.15	6.8	33.37	8.0	24.9	1.05
F18	02 Nov 2017	53	14.07	88.26	6.7	33.38	8.0	24.9	1.03
F18	02 Nov 2017	54	14.02	88.80	6.7	33.38	8.0	24.9	1.03
F18	02 Nov 2017	55	14.00	88.94	6.6	33.38	8.0	24.9	1.03
F18	02 Nov 2017	56	13.92	88.99	6.6	33.38	8.0	25.0	1.00
F18	02 Nov 2017	57	13.84	88.95	6.6	33.38	8.0	25.0	0.94
F18	02 Nov 2017	58	13.82	89.05	6.6	33.38	8.0	25.0	0.92
F18	02 Nov 2017	59	13.80	89.12	6.6	33.37	8.0	25.0	0.90
F18	02 Nov 2017	60	13.79	89.27	6.6	33.37	8.0	25.0	0.88
F18	02 Nov 2017	61	13.78	89.30	6.6	33.37	8.0	25.0	0.88
F18	02 Nov 2017	62	13.78	89.47	6.6	33.37	8.0	25.0	0.87
F18	02 Nov 2017	63	13.75	89.47	6.6	33.37	8.0	25.0	0.87
F18	02 Nov 2017	64	13.74	89.58	6.6	33.37	8.0	25.0	0.86
F18	02 Nov 2017	65	13.70	89.71	6.6	33.38	8.0	25.0	0.84
F18	02 Nov 2017	66	13.66	89.73	6.6	33.37	8.0	25.0	0.82
F18	02 Nov 2017	67	13.64	89.74	6.6	33.38	8.0	25.0	0.80
F18	02 Nov 2017	68	13.61	89.66	6.5	33.38	8.0	25.0	0.77
F18	02 Nov 2017	69	13.56	89.40	6.4	33.38	8.0	25.0	0.75
F18	02 Nov 2017	70	13.49	88.91	6.3	33.38	8.0	25.0	0.74
F18	02 Nov 2017	71	13.33	88.25	6.2	33.40	8.0	25.1	0.72
F18	02 Nov 2017	72	13.15	88.24	6.2	33.40	8.0	25.1	0.71
F18	02 Nov 2017	73	13.08	88.62	6.1	33.40	8.0	25.1	0.69
F18	02 Nov 2017	74	12.95	88.82	6.0	33.41	8.0	25.2	0.69
F18	02 Nov 2017	75	12.76	88.65	5.8	33.43	8.0	25.2	0.68
F18	02 Nov 2017	76	12.64	87.93	5.7	33.43	7.9	25.2	0.67
F18	02 Nov 2017	77	12.56	87.59	5.6	33.44	7.9	25.3	0.69
F18	02 Nov 2017	78	12.47	87.15	5.5	33.45	7.9	25.3	0.71
F18	02 Nov 2017	79	12.45	86.23	5.5	33.45	7.9	25.3	0.70
F18	02 Nov 2017	80	12.43	85.66	5.4	33.45	7.9	25.3	0.70
F18	02 Nov 2017	81	12.40	85.40	5.4	33.46	7.9	25.3	0.70
F18	02 Nov 2017	82	12.36	84.54	5.3	33.46	7.9	25.3	0.70
F19	02 Nov 2017	1	19.25	89.67	7.8	33.49	8.2	23.8	0.59
F19	02 Nov 2017	2	19.20	89.59	7.8	33.49	8.2	23.8	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	02 Nov 2017	3	19.12	89.60	7.8	33.48	8.2	23.8	0.62
F19	02 Nov 2017	4	19.02	89.43	7.9	33.48	8.2	23.9	0.62
F19	02 Nov 2017	5	18.81	89.32	7.9	33.46	8.2	23.9	0.65
F19	02 Nov 2017	6	18.48	88.98	8.0	33.45	8.2	24.0	0.67
F19	02 Nov 2017	7	18.25	88.90	8.1	33.44	8.2	24.0	0.71
F19	02 Nov 2017	8	18.14	88.95	8.1	33.43	8.2	24.0	0.76
F19	02 Nov 2017	9	17.96	88.93	8.1	33.42	8.2	24.1	0.80
F19	02 Nov 2017	10	17.83	88.77	8.2	33.42	8.2	24.1	0.89
F19	02 Nov 2017	11	17.77	88.60	8.2	33.41	8.2	24.1	0.94
F19	02 Nov 2017	12	17.74	88.50	8.2	33.41	8.2	24.1	1.01
F19	02 Nov 2017	13	17.72	88.48	8.2	33.41	8.2	24.1	1.06
F19	02 Nov 2017	14	17.68	88.48	8.2	33.41	8.2	24.1	1.14
F19	02 Nov 2017	15	17.64	88.42	8.1	33.41	8.2	24.1	1.22
F19	02 Nov 2017	16	17.27	88.16	8.0	33.43	8.2	24.2	1.35
F19	02 Nov 2017	17	16.48	87.82	8.1	33.41	8.1	24.4	1.56
F19	02 Nov 2017	18	16.09	87.59	8.1	33.38	8.1	24.5	1.71
F19	02 Nov 2017	19	15.82	87.61	8.2	33.37	8.1	24.5	1.81
F19	02 Nov 2017	20	15.72	87.56	8.1	33.36	8.1	24.5	1.95
F19	02 Nov 2017	21	15.60	87.55	8.1	33.36	8.1	24.6	2.06
F19	02 Nov 2017	22	15.50	87.60	8.1	33.36	8.1	24.6	2.16
F19	02 Nov 2017	23	15.44	87.57	8.0	33.35	8.1	24.6	2.23
F19	02 Nov 2017	24	15.41	87.52	8.0	33.35	8.1	24.6	2.19
F19	02 Nov 2017	25	15.38	87.59	8.0	33.35	8.1	24.6	2.19
F19	02 Nov 2017	26	15.34	87.69	7.9	33.35	8.1	24.6	2.21
F19	02 Nov 2017	27	15.26	87.67	7.8	33.36	8.1	24.7	2.24
F19	02 Nov 2017	28	15.09	87.69	7.7	33.37	8.1	24.7	2.25
F19	02 Nov 2017	29	14.75	88.28	7.5	33.37	8.1	24.8	2.01
F19	02 Nov 2017	30	14.66	88.76	7.4	33.36	8.1	24.8	1.75
F19	02 Nov 2017	31	14.57	88.99	7.3	33.37	8.1	24.8	1.62
F19	02 Nov 2017	32	14.42	89.00	7.2	33.37	8.1	24.8	1.54
F19	02 Nov 2017	33	14.37	89.09	7.1	33.37	8.1	24.8	1.48
F19	02 Nov 2017	34	14.35	89.06	7.1	33.37	8.1	24.9	1.45
F19	02 Nov 2017	35	14.32	88.93	7.0	33.37	8.1	24.9	1.36
F19	02 Nov 2017	36	14.29	88.67	7.0	33.37	8.0	24.9	1.32
F19	02 Nov 2017	37	14.29	88.40	7.0	33.37	8.0	24.9	1.27
F19	02 Nov 2017	38	14.24	88.20	6.9	33.37	8.0	24.9	1.23
F19	02 Nov 2017	39	14.22	87.87	6.9	33.37	8.0	24.9	1.18
F19	02 Nov 2017	40	14.22	88.10	6.8	33.37	8.0	24.9	1.18
F19	02 Nov 2017	41	14.16	88.10	6.8	33.38	8.0	24.9	1.19
F19	02 Nov 2017	42	14.09	88.34	6.8	33.38	8.0	24.9	1.19
F19	02 Nov 2017	43	14.08	88.94	6.7	33.38	8.0	24.9	1.19
F19	02 Nov 2017	44	14.08	88.98	6.7	33.38	8.0	24.9	1.20
F19	02 Nov 2017	45	14.06	89.06	6.7	33.38	8.0	24.9	1.19
F19	02 Nov 2017	46	14.03	88.87	6.6	33.38	8.0	24.9	1.20
F19	02 Nov 2017	47	14.01	88.82	6.6	33.38	8.0	24.9	1.20
F19	02 Nov 2017	48	14.00	88.78	6.6	33.38	8.0	24.9	1.24
F19	02 Nov 2017	49	14.00	88.80	6.6	33.38	8.0	24.9	1.24
F19	02 Nov 2017	50	13.99	88.75	6.6	33.38	8.0	24.9	1.26
F19	02 Nov 2017	51	13.96	88.72	6.6	33.38	8.0	24.9	1.25
F19	02 Nov 2017	52	13.95	88.98	6.6	33.38	8.0	24.9	1.21
F19	02 Nov 2017	53	13.94	89.00	6.6	33.38	8.0	24.9	1.18
F19	02 Nov 2017	54	13.93	89.05	6.6	33.38	8.0	24.9	1.15
F19	02 Nov 2017	55	13.93	89.02	6.6	33.38	8.0	24.9	1.13
F19	02 Nov 2017	56	13.86	89.22	6.6	33.38	8.0	25.0	1.06
F19	02 Nov 2017	57	13.77	89.65	6.6	33.38	8.0	25.0	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	02 Nov 2017	58	13.70	89.23	6.5	33.38	8.0	25.0	0.86
F19	02 Nov 2017	59	13.66	88.68	6.4	33.38	8.0	25.0	0.82
F19	02 Nov 2017	60	13.63	88.28	6.4	33.38	8.0	25.0	0.82
F19	02 Nov 2017	61	13.61	88.05	6.4	33.38	8.0	25.0	0.79
F19	02 Nov 2017	62	13.56	87.69	6.3	33.38	8.0	25.0	0.79
F19	02 Nov 2017	63	13.40	86.94	6.2	33.39	8.0	25.1	0.79
F19	02 Nov 2017	64	13.36	86.78	6.2	33.39	8.0	25.1	0.77
F19	02 Nov 2017	65	13.30	86.62	6.1	33.39	8.0	25.1	0.76
F19	02 Nov 2017	66	13.28	86.60	6.1	33.39	8.0	25.1	0.76
F19	02 Nov 2017	67	13.25	86.77	6.1	33.39	8.0	25.1	0.78
F19	02 Nov 2017	68	13.17	86.36	6.0	33.40	8.0	25.1	0.77
F19	02 Nov 2017	69	13.05	85.79	6.0	33.40	8.0	25.1	0.76
F19	02 Nov 2017	70	12.99	86.12	5.9	33.41	8.0	25.2	0.75
F19	02 Nov 2017	71	12.92	86.27	5.9	33.41	7.9	25.2	0.74
F19	02 Nov 2017	72	12.89	86.54	5.8	33.41	7.9	25.2	0.74
F19	02 Nov 2017	73	12.84	86.53	5.8	33.41	7.9	25.2	0.74
F19	02 Nov 2017	74	12.76	86.32	5.7	33.42	7.9	25.2	0.73
F19	02 Nov 2017	75	12.67	85.89	5.6	33.43	7.9	25.2	0.72
F19	02 Nov 2017	76	12.66	85.35	5.5	33.42	7.9	25.2	0.71
F19	02 Nov 2017	77	12.58	84.78	5.4	33.43	7.9	25.3	0.70
F19	02 Nov 2017	78	12.50	84.00	5.4	33.44	7.9	25.3	0.65
F19	02 Nov 2017	79	12.49	83.74	5.3	33.44	7.9	25.3	0.64
F19	02 Nov 2017	80	12.47	83.72	5.3	33.44	7.9	25.3	0.64
F19	02 Nov 2017	81	12.44	83.49	5.2	33.44	7.9	25.3	0.63
F19	02 Nov 2017	82	12.36	83.32	5.2	33.45	7.9	25.3	0.62
F19	02 Nov 2017	83	12.28	83.17	5.1	33.45	7.9	25.3	0.60
F19	02 Nov 2017	84	12.38	82.52	5.2	33.43	7.9	25.3	0.61
F20	02 Nov 2017	1	18.98	88.76	7.8	33.46	8.2	23.9	0.67
F20	02 Nov 2017	2	18.99	88.86	7.8	33.47	8.2	23.9	0.68
F20	02 Nov 2017	3	18.93	89.08	7.8	33.47	8.2	23.9	0.67
F20	02 Nov 2017	4	18.91	89.35	7.9	33.46	8.2	23.9	0.69
F20	02 Nov 2017	5	18.86	89.34	7.9	33.47	8.2	23.9	0.72
F20	02 Nov 2017	6	18.71	89.20	7.9	33.47	8.2	23.9	0.75
F20	02 Nov 2017	7	18.56	89.02	7.9	33.46	8.2	24.0	0.80
F20	02 Nov 2017	8	18.48	88.96	8.0	33.45	8.2	24.0	0.84
F20	02 Nov 2017	9	18.41	88.80	8.0	33.44	8.2	24.0	0.89
F20	02 Nov 2017	10	18.39	88.75	8.0	33.44	8.2	24.0	0.95
F20	02 Nov 2017	11	18.34	88.65	8.0	33.44	8.2	24.0	0.98
F20	02 Nov 2017	12	18.29	88.72	8.0	33.44	8.2	24.0	1.03
F20	02 Nov 2017	13	18.23	88.49	8.0	33.44	8.2	24.0	1.09
F20	02 Nov 2017	14	18.18	88.39	8.0	33.43	8.2	24.0	1.18
F20	02 Nov 2017	15	18.13	88.26	8.0	33.43	8.2	24.0	1.26
F20	02 Nov 2017	16	17.60	88.12	8.0	33.45	8.2	24.2	1.44
F20	02 Nov 2017	17	16.78	87.60	7.9	33.45	8.1	24.4	1.71
F20	02 Nov 2017	18	16.06	86.84	7.9	33.40	8.1	24.5	2.03
F20	02 Nov 2017	19	15.72	87.01	7.9	33.39	8.1	24.6	2.22
F20	02 Nov 2017	20	15.52	87.15	7.8	33.37	8.1	24.6	2.31
F20	02 Nov 2017	21	15.47	87.23	7.8	33.36	8.1	24.6	2.35
F20	02 Nov 2017	22	15.27	87.30	7.6	33.37	8.1	24.7	2.36
F20	02 Nov 2017	23	14.95	87.76	7.4	33.38	8.1	24.7	2.23
F20	02 Nov 2017	24	14.85	88.16	7.4	33.36	8.1	24.7	2.08
F20	02 Nov 2017	25	14.80	88.34	7.4	33.36	8.1	24.8	1.97
F20	02 Nov 2017	26	14.67	88.48	7.3	33.37	8.1	24.8	1.88
F20	02 Nov 2017	27	14.47	88.83	7.2	33.38	8.1	24.8	1.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	02 Nov 2017	28	14.32	88.83	7.1	33.37	8.1	24.9	1.61
F20	02 Nov 2017	29	14.32	88.72	7.0	33.37	8.1	24.9	1.51
F20	02 Nov 2017	30	14.31	88.80	7.0	33.37	8.0	24.9	1.48
F20	02 Nov 2017	31	14.30	88.80	7.0	33.37	8.0	24.9	1.45
F20	02 Nov 2017	32	14.28	88.76	7.0	33.37	8.0	24.9	1.42
F20	02 Nov 2017	33	14.26	88.60	7.0	33.37	8.0	24.9	1.37
F20	02 Nov 2017	34	14.26	88.57	6.9	33.37	8.0	24.9	1.35
F20	02 Nov 2017	35	14.25	88.56	6.9	33.37	8.0	24.9	1.34
F20	02 Nov 2017	36	14.23	88.56	6.9	33.38	8.0	24.9	1.33
F20	02 Nov 2017	37	14.19	88.48	6.8	33.38	8.0	24.9	1.32
F20	02 Nov 2017	38	14.17	88.49	6.8	33.38	8.0	24.9	1.31
F20	02 Nov 2017	39	14.15	88.13	6.8	33.38	8.0	24.9	1.31
F20	02 Nov 2017	40	14.14	88.37	6.8	33.38	8.0	24.9	1.30
F20	02 Nov 2017	41	14.12	88.30	6.8	33.38	8.0	24.9	1.29
F20	02 Nov 2017	42	14.12	88.42	6.8	33.38	8.0	24.9	1.30
F20	02 Nov 2017	43	14.11	88.49	6.7	33.38	8.0	24.9	1.28
F20	02 Nov 2017	44	14.09	88.54	6.7	33.38	8.0	24.9	1.27
F20	02 Nov 2017	45	14.09	88.50	6.7	33.38	8.0	24.9	1.29
F20	02 Nov 2017	46	14.07	88.51	6.7	33.38	8.0	24.9	1.32
F20	02 Nov 2017	47	14.06	88.30	6.7	33.38	8.0	24.9	1.32
F20	02 Nov 2017	48	13.98	88.67	6.7	33.38	8.0	24.9	1.29
F20	02 Nov 2017	49	13.94	88.95	6.7	33.37	8.0	24.9	1.23
F20	02 Nov 2017	50	13.94	89.12	6.7	33.37	8.0	24.9	1.18
F20	02 Nov 2017	51	13.93	89.16	6.7	33.37	8.0	24.9	1.13
F20	02 Nov 2017	52	13.93	89.24	6.7	33.37	8.0	24.9	1.12
F20	02 Nov 2017	53	13.90	89.27	6.6	33.37	8.0	24.9	1.07
F20	02 Nov 2017	54	13.85	89.25	6.6	33.38	8.0	25.0	1.02
F20	02 Nov 2017	55	13.77	89.12	6.5	33.38	8.0	25.0	0.96
F20	02 Nov 2017	56	13.72	88.52	6.4	33.38	8.0	25.0	0.92
F20	02 Nov 2017	57	13.61	88.01	6.4	33.38	8.0	25.0	0.88
F20	02 Nov 2017	58	13.54	87.81	6.4	33.38	8.0	25.0	0.87
F20	02 Nov 2017	59	13.47	88.71	6.5	33.38	8.0	25.0	0.87
F20	02 Nov 2017	60	13.42	89.65	6.5	33.38	8.0	25.1	0.85
F20	02 Nov 2017	61	13.42	89.73	6.5	33.38	8.0	25.1	0.85
F20	02 Nov 2017	62	13.42	89.87	6.5	33.38	8.0	25.1	0.87
F20	02 Nov 2017	63	13.38	89.94	6.5	33.38	8.0	25.1	0.85
F20	02 Nov 2017	64	13.36	90.04	6.4	33.38	8.0	25.1	0.85
F20	02 Nov 2017	65	13.34	90.02	6.4	33.38	8.0	25.1	0.85
F20	02 Nov 2017	66	13.27	90.04	6.3	33.39	8.0	25.1	0.83
F20	02 Nov 2017	67	13.21	89.86	6.3	33.39	8.0	25.1	0.85
F20	02 Nov 2017	68	13.15	89.97	6.3	33.40	8.0	25.1	0.87
F20	02 Nov 2017	69	13.11	89.95	6.3	33.40	8.0	25.1	0.91
F20	02 Nov 2017	70	13.07	89.86	6.2	33.40	8.0	25.1	0.90
F20	02 Nov 2017	71	12.98	89.60	6.2	33.41	8.0	25.2	0.90
F20	02 Nov 2017	72	12.88	89.40	6.0	33.41	8.0	25.2	0.90
F20	02 Nov 2017	73	12.77	89.24	5.9	33.42	8.0	25.2	0.90
F20	02 Nov 2017	74	12.72	89.31	5.9	33.42	7.9	25.2	0.90
F20	02 Nov 2017	75	12.69	88.62	5.8	33.42	7.9	25.2	0.89
F20	02 Nov 2017	76	12.66	87.82	5.8	33.42	7.9	25.2	0.88
F20	02 Nov 2017	77	12.65	87.60	5.7	33.42	7.9	25.2	0.87
F20	02 Nov 2017	78	12.62	87.53	5.7	33.43	7.9	25.3	0.86
F20	02 Nov 2017	79	12.52	87.29	5.5	33.44	7.9	25.3	0.83
F20	02 Nov 2017	80	12.38	86.41	5.3	33.45	7.9	25.3	0.79
F20	02 Nov 2017	81	12.27	85.96	5.2	33.47	7.9	25.3	0.76
F20	02 Nov 2017	82	12.22	85.23	5.1	33.47	7.9	25.4	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	02 Nov 2017	83	12.21	84.45	5.1	33.47	7.9	25.4	0.74
F21	02 Nov 2017	1	18.70	88.73	7.9	33.46	8.2	23.9	0.85
F21	02 Nov 2017	2	18.69	88.72	7.9	33.46	8.2	23.9	0.86
F21	02 Nov 2017	3	18.67	88.78	8.0	33.46	8.2	23.9	0.89
F21	02 Nov 2017	4	18.66	88.89	8.0	33.46	8.2	23.9	0.91
F21	02 Nov 2017	5	18.63	88.88	8.0	33.46	8.2	23.9	0.96
F21	02 Nov 2017	6	18.59	88.80	8.0	33.45	8.2	23.9	1.00
F21	02 Nov 2017	7	18.58	88.66	8.0	33.46	8.2	23.9	1.03
F21	02 Nov 2017	8	18.55	88.56	8.0	33.45	8.2	24.0	1.05
F21	02 Nov 2017	9	18.55	88.53	8.0	33.45	8.2	24.0	1.08
F21	02 Nov 2017	10	18.54	88.58	8.0	33.45	8.2	24.0	1.12
F21	02 Nov 2017	11	18.52	88.38	8.0	33.45	8.2	24.0	1.15
F21	02 Nov 2017	12	18.51	88.45	8.0	33.45	8.2	24.0	1.18
F21	02 Nov 2017	13	18.50	88.33	8.0	33.45	8.2	24.0	1.21
F21	02 Nov 2017	14	18.48	88.38	8.0	33.45	8.2	24.0	1.22
F21	02 Nov 2017	15	18.47	88.28	8.0	33.45	8.2	24.0	1.29
F21	02 Nov 2017	16	18.44	88.26	8.0	33.45	8.2	24.0	1.28
F21	02 Nov 2017	17	18.35	88.17	8.0	33.45	8.2	24.0	1.40
F21	02 Nov 2017	18	17.76	87.70	7.8	33.48	8.2	24.2	1.64
F21	02 Nov 2017	19	16.34	86.97	7.9	33.42	8.1	24.5	2.09
F21	02 Nov 2017	20	15.82	86.67	7.8	33.39	8.1	24.5	2.42
F21	02 Nov 2017	21	15.33	86.92	7.7	33.37	8.1	24.6	2.43
F21	02 Nov 2017	22	15.19	87.61	7.6	33.36	8.1	24.7	2.34
F21	02 Nov 2017	23	14.90	88.11	7.6	33.36	8.1	24.7	2.15
F21	02 Nov 2017	24	14.78	88.40	7.6	33.34	8.1	24.7	1.99
F21	02 Nov 2017	25	14.72	88.79	7.5	33.34	8.1	24.8	1.87
F21	02 Nov 2017	26	14.62	88.81	7.4	33.35	8.1	24.8	1.85
F21	02 Nov 2017	27	14.58	88.80	7.3	33.35	8.1	24.8	1.83
F21	02 Nov 2017	28	14.56	88.69	7.2	33.35	8.1	24.8	1.84
F21	02 Nov 2017	29	14.54	88.60	7.2	33.35	8.1	24.8	1.83
F21	02 Nov 2017	30	14.52	88.60	7.2	33.36	8.1	24.8	1.82
F21	02 Nov 2017	31	14.49	88.68	7.2	33.36	8.1	24.8	1.78
F21	02 Nov 2017	32	14.44	88.69	7.1	33.36	8.1	24.8	1.73
F21	02 Nov 2017	33	14.32	88.90	7.1	33.37	8.1	24.9	1.65
F21	02 Nov 2017	34	14.23	89.07	7.1	33.36	8.1	24.9	1.50
F21	02 Nov 2017	35	14.18	89.29	7.1	33.36	8.0	24.9	1.42
F21	02 Nov 2017	36	14.16	89.33	7.1	33.35	8.0	24.9	1.28
F21	02 Nov 2017	37	14.14	89.31	7.0	33.35	8.0	24.9	1.22
F21	02 Nov 2017	38	14.15	89.33	7.0	33.36	8.0	24.9	1.24
F21	02 Nov 2017	39	14.14	89.28	6.9	33.36	8.0	24.9	1.26
F21	02 Nov 2017	40	14.08	89.30	6.9	33.37	8.0	24.9	1.22
F21	02 Nov 2017	41	14.05	89.45	6.9	33.36	8.0	24.9	1.20
F21	02 Nov 2017	42	14.02	89.29	6.8	33.37	8.0	24.9	1.23
F21	02 Nov 2017	43	14.00	88.87	6.8	33.37	8.0	24.9	1.20
F21	02 Nov 2017	44	14.00	88.86	6.7	33.37	8.0	24.9	1.20
F21	02 Nov 2017	45	13.99	88.98	6.7	33.37	8.0	24.9	1.19
F21	02 Nov 2017	46	13.93	89.02	6.6	33.38	8.0	24.9	1.14
F21	02 Nov 2017	47	13.84	88.99	6.5	33.38	8.0	25.0	1.05
F21	02 Nov 2017	48	13.79	88.68	6.5	33.38	8.0	25.0	1.03
F21	02 Nov 2017	49	13.76	88.38	6.5	33.37	8.0	25.0	0.97
F21	02 Nov 2017	50	13.75	88.38	6.5	33.37	8.0	25.0	0.95
F21	02 Nov 2017	51	13.71	88.53	6.5	33.38	8.0	25.0	0.95
F21	02 Nov 2017	52	13.57	89.21	6.6	33.39	8.0	25.0	0.95
F21	02 Nov 2017	53	13.53	90.02	6.6	33.38	8.0	25.0	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	02 Nov 2017	54	13.53	90.13	6.6	33.38	8.0	25.0	0.94
F21	02 Nov 2017	55	13.53	90.06	6.6	33.38	8.0	25.0	0.94
F21	02 Nov 2017	56	13.52	90.16	6.6	33.38	8.0	25.0	0.93
F21	02 Nov 2017	57	13.52	90.21	6.6	33.38	8.0	25.0	0.93
F21	02 Nov 2017	58	13.44	90.04	6.5	33.39	8.0	25.1	0.92
F21	02 Nov 2017	59	13.39	89.84	6.5	33.39	8.0	25.1	0.91
F21	02 Nov 2017	60	13.31	89.64	6.4	33.39	8.0	25.1	0.91
F21	02 Nov 2017	61	13.21	89.90	6.4	33.40	8.0	25.1	0.91
F21	02 Nov 2017	62	13.17	89.76	6.4	33.39	8.0	25.1	0.93
F21	02 Nov 2017	63	13.15	89.71	6.3	33.40	8.0	25.1	0.94
F21	02 Nov 2017	64	13.09	89.46	6.3	33.40	8.0	25.1	0.95
F21	02 Nov 2017	65	13.04	89.38	6.2	33.40	8.0	25.1	0.95
F21	02 Nov 2017	66	12.99	89.48	6.2	33.41	8.0	25.2	0.96
F21	02 Nov 2017	67	12.94	89.35	6.1	33.41	8.0	25.2	0.97
F21	02 Nov 2017	68	12.88	89.60	6.0	33.42	8.0	25.2	0.98
F21	02 Nov 2017	69	12.85	89.74	6.0	33.42	8.0	25.2	0.98
F21	02 Nov 2017	70	12.83	89.81	6.0	33.42	8.0	25.2	0.99
F21	02 Nov 2017	71	12.81	89.87	6.0	33.42	8.0	25.2	0.98
F21	02 Nov 2017	72	12.80	89.83	5.9	33.42	8.0	25.2	0.98
F21	02 Nov 2017	73	12.76	89.70	5.9	33.42	8.0	25.2	0.97
F21	02 Nov 2017	74	12.75	89.75	5.9	33.42	7.9	25.2	0.96
F21	02 Nov 2017	75	12.74	89.77	5.9	33.42	7.9	25.2	0.96
F21	02 Nov 2017	76	12.72	89.68	5.9	33.42	7.9	25.2	0.95
F21	02 Nov 2017	77	12.70	89.73	5.8	33.42	7.9	25.2	0.95
F21	02 Nov 2017	78	12.67	89.66	5.8	33.43	7.9	25.2	0.93
F21	02 Nov 2017	79	12.60	89.21	5.7	33.43	7.9	25.3	0.90
F21	02 Nov 2017	80	12.59	88.69	5.7	33.43	7.9	25.3	0.90
F21	02 Nov 2017	81	12.57	88.32	5.7	33.44	7.9	25.3	0.91
F21	02 Nov 2017	82	12.56	88.04	5.6	33.44	7.9	25.3	0.90
F21	02 Nov 2017	83	12.51	87.56	5.5	33.45	7.9	25.3	0.91
F21	02 Nov 2017	84	12.38	84.83	5.4	33.45	7.9	25.3	0.88
F22	02 Nov 2017	1	18.74	87.91	8.1	33.47	8.2	23.9	0.76
F22	02 Nov 2017	2	18.74	87.86	8.1	33.47	8.2	23.9	0.75
F22	02 Nov 2017	3	18.73	87.73	8.1	33.47	8.2	23.9	0.78
F22	02 Nov 2017	4	18.72	87.66	8.1	33.47	8.2	23.9	0.79
F22	02 Nov 2017	5	18.71	87.75	8.1	33.47	8.2	23.9	0.82
F22	02 Nov 2017	6	18.70	87.64	8.1	33.47	8.2	23.9	0.85
F22	02 Nov 2017	7	18.69	87.73	8.1	33.47	8.2	23.9	0.90
F22	02 Nov 2017	8	18.67	87.75	8.1	33.47	8.2	23.9	0.95
F22	02 Nov 2017	9	18.64	87.85	8.0	33.47	8.2	23.9	0.98
F22	02 Nov 2017	10	18.56	87.90	8.0	33.47	8.2	24.0	1.07
F22	02 Nov 2017	11	18.25	87.82	8.0	33.45	8.2	24.0	1.20
F22	02 Nov 2017	12	17.93	87.46	8.0	33.44	8.2	24.1	1.39
F22	02 Nov 2017	13	17.44	87.28	8.1	33.43	8.2	24.2	1.54
F22	02 Nov 2017	14	17.08	87.16	8.2	33.40	8.1	24.3	1.64
F22	02 Nov 2017	15	16.82	87.24	8.2	33.39	8.1	24.3	1.67
F22	02 Nov 2017	16	16.54	87.61	8.2	33.38	8.1	24.4	1.65
F22	02 Nov 2017	17	16.25	88.06	8.1	33.36	8.1	24.4	1.49
F22	02 Nov 2017	18	16.07	87.98	8.0	33.36	8.1	24.5	1.39
F22	02 Nov 2017	19	15.77	87.51	7.9	33.37	8.1	24.5	1.36
F22	02 Nov 2017	20	15.42	88.09	7.7	33.36	8.1	24.6	1.32
F22	02 Nov 2017	21	15.17	87.76	7.4	33.36	8.1	24.7	1.28
F22	02 Nov 2017	22	14.91	87.79	7.3	33.35	8.1	24.7	1.10
F22	02 Nov 2017	23	14.82	87.88	7.3	33.34	8.1	24.7	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	02 Nov 2017	24	14.81	88.00	7.2	33.34	8.1	24.7	0.91
F22	02 Nov 2017	25	14.74	88.03	7.3	33.35	8.1	24.8	0.88
F22	02 Nov 2017	26	14.68	88.32	7.3	33.34	8.1	24.8	0.88
F22	02 Nov 2017	27	14.63	88.53	7.3	33.34	8.1	24.8	0.84
F22	02 Nov 2017	28	14.58	88.47	7.3	33.34	8.1	24.8	0.82
F22	02 Nov 2017	29	14.56	88.49	7.3	33.34	8.1	24.8	0.78
F22	02 Nov 2017	30	14.53	88.57	7.3	33.35	8.1	24.8	0.77
F22	02 Nov 2017	31	14.51	88.70	7.3	33.34	8.1	24.8	0.75
F22	02 Nov 2017	32	14.50	88.86	7.2	33.35	8.1	24.8	0.73
F22	02 Nov 2017	33	14.48	88.89	7.1	33.35	8.0	24.8	0.72
F22	02 Nov 2017	34	14.38	88.74	7.1	33.36	8.0	24.8	0.78
F22	02 Nov 2017	35	14.34	88.74	7.1	33.36	8.0	24.8	0.90
F22	02 Nov 2017	36	14.34	88.63	7.1	33.36	8.0	24.9	1.02
F22	02 Nov 2017	37	14.34	88.51	7.1	33.37	8.0	24.9	1.13
F22	02 Nov 2017	38	14.34	88.31	7.1	33.37	8.0	24.9	1.19
F22	02 Nov 2017	39	14.34	88.46	7.0	33.37	8.0	24.9	1.26
F22	02 Nov 2017	40	14.34	88.49	7.0	33.37	8.0	24.9	1.27
F22	02 Nov 2017	41	14.34	88.37	7.0	33.37	8.0	24.9	1.30
F22	02 Nov 2017	42	14.32	88.51	7.0	33.37	8.0	24.9	1.29
F22	02 Nov 2017	43	14.21	88.53	6.8	33.38	8.0	24.9	1.27
F22	02 Nov 2017	44	14.05	88.62	6.8	33.38	8.0	24.9	1.21
F22	02 Nov 2017	45	14.03	88.55	6.7	33.38	8.0	24.9	1.12
F22	02 Nov 2017	46	14.00	88.52	6.7	33.38	8.0	24.9	1.07
F22	02 Nov 2017	47	13.94	88.69	6.7	33.38	8.0	24.9	0.98
F22	02 Nov 2017	48	13.88	88.96	6.7	33.37	8.0	25.0	0.92
F22	02 Nov 2017	49	13.85	89.19	6.7	33.37	8.0	25.0	0.86
F22	02 Nov 2017	50	13.82	89.23	6.7	33.37	8.0	25.0	0.82
F22	02 Nov 2017	51	13.77	89.60	6.6	33.37	8.0	25.0	0.79
F22	02 Nov 2017	52	13.76	89.68	6.6	33.37	8.0	25.0	0.77
F22	02 Nov 2017	53	13.74	89.72	6.6	33.37	8.0	25.0	0.75
F22	02 Nov 2017	54	13.69	89.80	6.6	33.38	8.0	25.0	0.76
F22	02 Nov 2017	55	13.67	89.90	6.6	33.37	8.0	25.0	0.76
F22	02 Nov 2017	56	13.64	89.96	6.6	33.38	8.0	25.0	0.77
F22	02 Nov 2017	57	13.50	89.97	6.6	33.38	8.0	25.0	0.78
F22	02 Nov 2017	58	13.44	90.05	6.5	33.39	8.0	25.1	0.81
F22	02 Nov 2017	59	13.32	90.28	6.4	33.40	8.0	25.1	0.87
F22	02 Nov 2017	60	13.20	90.28	6.4	33.40	8.0	25.1	0.88
F22	02 Nov 2017	61	13.18	90.28	6.4	33.39	8.0	25.1	0.88
F22	02 Nov 2017	62	13.17	90.17	6.4	33.39	8.0	25.1	0.88
F22	02 Nov 2017	63	13.16	90.04	6.4	33.40	8.0	25.1	0.86
F22	02 Nov 2017	64	13.14	90.04	6.3	33.40	8.0	25.1	0.86
F22	02 Nov 2017	65	13.13	89.79	6.3	33.40	8.0	25.1	0.85
F22	02 Nov 2017	66	13.09	89.87	6.2	33.40	8.0	25.1	0.86
F22	02 Nov 2017	67	13.05	89.88	6.2	33.41	8.0	25.1	0.86
F22	02 Nov 2017	68	13.01	89.89	6.1	33.41	8.0	25.2	0.87
F22	02 Nov 2017	69	12.97	89.81	6.1	33.41	8.0	25.2	0.88
F22	02 Nov 2017	70	12.92	89.73	6.0	33.42	8.0	25.2	0.88
F22	02 Nov 2017	71	12.82	89.31	5.9	33.42	8.0	25.2	0.86
F22	02 Nov 2017	72	12.74	88.87	5.9	33.42	7.9	25.2	0.85
F22	02 Nov 2017	73	12.68	88.71	5.8	33.43	7.9	25.2	0.84
F22	02 Nov 2017	74	12.64	88.62	5.8	33.43	7.9	25.2	0.80
F22	02 Nov 2017	75	12.60	88.54	5.7	33.43	7.9	25.3	0.77
F22	02 Nov 2017	76	12.51	88.22	5.6	33.44	7.9	25.3	0.76
F22	02 Nov 2017	77	12.47	87.46	5.5	33.44	7.9	25.3	0.79
F22	02 Nov 2017	78	12.44	86.70	5.5	33.45	7.9	25.3	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	02 Nov 2017	79	12.43	86.14	5.4	33.45	7.9	25.3	0.73
F22	02 Nov 2017	80	12.40	85.92	5.4	33.45	7.9	25.3	0.72
F22	02 Nov 2017	81	12.38	84.87	5.4	33.45	7.9	25.3	0.72
F22	02 Nov 2017	82	12.38	83.58	5.3	33.45	7.9	25.3	0.72
F23	02 Nov 2017	1	18.59	82.37	8.1	33.44	8.2	23.9	0.75
F23	02 Nov 2017	2	18.59	85.43	8.1	33.45	8.2	23.9	0.74
F23	02 Nov 2017	3	18.59	86.80	8.1	33.45	8.2	23.9	0.75
F23	02 Nov 2017	4	18.56	87.01	8.1	33.45	8.2	23.9	0.77
F23	02 Nov 2017	5	18.54	86.96	8.1	33.45	8.2	23.9	0.80
F23	02 Nov 2017	6	18.53	87.01	8.1	33.45	8.2	24.0	0.85
F23	02 Nov 2017	7	18.52	86.91	8.1	33.45	8.2	24.0	0.90
F23	02 Nov 2017	8	18.51	86.97	8.1	33.45	8.2	24.0	0.94
F23	02 Nov 2017	9	18.50	87.00	8.1	33.44	8.2	24.0	1.01
F23	02 Nov 2017	10	18.48	86.97	8.1	33.44	8.2	24.0	1.06
F23	02 Nov 2017	11	18.42	87.07	8.1	33.44	8.2	24.0	1.14
F23	02 Nov 2017	12	18.23	87.02	8.1	33.44	8.2	24.0	1.24
F23	02 Nov 2017	13	17.97	86.85	8.2	33.42	8.1	24.1	1.36
F23	02 Nov 2017	14	17.88	86.76	8.2	33.41	8.1	24.1	1.45
F23	02 Nov 2017	15	17.81	86.73	8.2	33.41	8.1	24.1	1.48
F23	02 Nov 2017	16	17.55	86.96	8.1	33.41	8.1	24.2	1.54
F23	02 Nov 2017	17	17.02	87.19	8.2	33.41	8.1	24.3	1.62
F23	02 Nov 2017	18	16.76	87.51	8.2	33.38	8.1	24.3	1.58
F23	02 Nov 2017	19	16.27	88.01	8.1	33.39	8.1	24.4	1.61
F23	02 Nov 2017	20	15.91	88.17	8.1	33.37	8.1	24.5	1.73
F23	02 Nov 2017	21	15.71	87.84	7.9	33.36	8.1	24.6	1.74
F23	02 Nov 2017	22	15.53	87.38	7.7	33.35	8.1	24.6	1.52
F23	02 Nov 2017	23	15.53	87.23	7.6	33.35	8.1	24.6	1.39
F23	02 Nov 2017	24	15.38	87.78	7.5	33.36	8.1	24.6	1.18
F23	02 Nov 2017	25	15.36	87.69	7.4	33.35	8.1	24.6	1.02
F23	02 Nov 2017	26	15.34	87.69	7.4	33.35	8.1	24.6	1.00
F23	02 Nov 2017	27	15.32	87.52	7.4	33.35	8.1	24.6	0.96
F23	02 Nov 2017	28	15.31	87.77	7.3	33.35	8.1	24.6	0.93
F23	02 Nov 2017	29	15.26	87.96	7.3	33.36	8.1	24.7	0.91
F23	02 Nov 2017	30	15.21	88.17	7.3	33.36	8.0	24.7	0.87
F23	02 Nov 2017	31	15.01	88.27	7.2	33.37	8.0	24.7	0.85
F23	02 Nov 2017	32	14.79	88.18	7.3	33.36	8.1	24.8	0.85
F23	02 Nov 2017	33	14.75	88.23	7.4	33.35	8.1	24.8	0.83
F23	02 Nov 2017	34	14.72	87.98	7.3	33.35	8.1	24.8	0.81
F23	02 Nov 2017	35	14.67	88.28	7.3	33.35	8.0	24.8	0.77
F23	02 Nov 2017	36	14.59	88.50	7.2	33.35	8.0	24.8	0.74
F23	02 Nov 2017	37	14.57	88.31	7.2	33.35	8.0	24.8	0.76
F23	02 Nov 2017	38	14.56	88.10	7.2	33.35	8.0	24.8	0.79
F23	02 Nov 2017	39	14.56	88.17	7.2	33.35	8.0	24.8	0.86
F23	02 Nov 2017	40	14.54	88.33	7.2	33.36	8.0	24.8	0.93
F23	02 Nov 2017	41	14.52	88.39	7.2	33.36	8.0	24.8	1.02
F23	02 Nov 2017	42	14.48	88.59	7.2	33.36	8.0	24.8	1.07
F23	02 Nov 2017	43	14.45	88.67	7.2	33.37	8.0	24.8	1.11
F23	02 Nov 2017	44	14.43	88.82	7.2	33.37	8.0	24.8	1.11
F23	02 Nov 2017	45	14.39	88.90	7.1	33.37	8.0	24.8	1.09
F23	02 Nov 2017	46	14.35	88.88	7.1	33.37	8.0	24.9	1.07
F23	02 Nov 2017	47	14.31	88.95	7.0	33.37	8.0	24.9	1.01
F23	02 Nov 2017	48	14.22	89.08	7.0	33.37	8.0	24.9	0.92
F23	02 Nov 2017	49	14.16	89.54	7.0	33.36	8.0	24.9	0.86
F23	02 Nov 2017	50	14.10	89.62	7.0	33.36	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)
F23	02 Nov 2017	51	14.07	89.72	6.9	33.37	8.0	24.9	0.97
F23	02 Nov 2017	52	14.02	89.99	6.9	33.37	8.0	24.9	0.99
F23	02 Nov 2017	53	13.77	90.21	6.8	33.38	8.0	25.0	0.96
F23	02 Nov 2017	54	13.62	90.37	6.8	33.38	8.0	25.0	0.89
F23	02 Nov 2017	55	13.55	90.34	6.7	33.38	8.0	25.0	0.85
F23	02 Nov 2017	56	13.52	90.40	6.7	33.38	8.0	25.0	0.81
F23	02 Nov 2017	57	13.50	90.44	6.6	33.38	8.0	25.0	0.82
F23	02 Nov 2017	58	13.48	90.44	6.6	33.38	8.0	25.0	0.82
F23	02 Nov 2017	59	13.46	90.35	6.5	33.38	8.0	25.0	0.85
F23	02 Nov 2017	60	13.43	90.40	6.4	33.39	8.0	25.1	0.87
F23	02 Nov 2017	61	13.39	90.44	6.3	33.39	8.0	25.1	0.90
F23	02 Nov 2017	62	13.27	90.39	6.2	33.41	8.0	25.1	0.89
F23	02 Nov 2017	63	13.17	90.31	6.1	33.40	8.0	25.1	0.89
F23	02 Nov 2017	64	13.17	90.21	6.1	33.40	8.0	25.1	0.88
F23	02 Nov 2017	65	13.16	90.23	6.1	33.40	8.0	25.1	0.89
F23	02 Nov 2017	66	13.16	90.30	6.1	33.40	8.0	25.1	0.89
F23	02 Nov 2017	67	13.15	90.26	6.1	33.40	8.0	25.1	0.88
F23	02 Nov 2017	68	13.14	90.23	6.2	33.40	8.0	25.1	0.87
F23	02 Nov 2017	69	13.11	90.14	6.2	33.40	8.0	25.1	0.87
F23	02 Nov 2017	70	12.99	89.86	6.1	33.41	8.0	25.2	0.84
F23	02 Nov 2017	71	12.88	89.44	6.0	33.42	7.9	25.2	0.80
F23	02 Nov 2017	72	12.87	89.29	5.9	33.41	7.9	25.2	0.79
F23	02 Nov 2017	73	12.84	89.42	5.8	33.42	7.9	25.2	0.78
F23	02 Nov 2017	74	12.79	89.73	5.8	33.42	7.9	25.2	0.77
F23	02 Nov 2017	75	12.77	89.74	5.8	33.42	7.9	25.2	0.76
F23	02 Nov 2017	76	12.70	89.67	5.7	33.43	7.9	25.2	0.74
F23	02 Nov 2017	77	12.55	88.88	5.6	33.44	7.9	25.3	0.73
F23	02 Nov 2017	78	12.50	88.16	5.6	33.44	7.9	25.3	0.71
F23	02 Nov 2017	79	12.46	87.38	5.5	33.45	7.9	25.3	0.68
F23	02 Nov 2017	80	12.42	87.14	5.4	33.45	7.9	25.3	0.66
F23	02 Nov 2017	81	12.39	87.12	5.4	33.45	7.9	25.3	0.63
F23	02 Nov 2017	82	12.21	86.46	5.2	33.48	7.9	25.4	0.61
F23	02 Nov 2017	83	12.15	86.07	5.1	33.48	7.9	25.4	0.56
F24	02 Nov 2017	1	18.24	68.05	8.0	33.41	8.1	24.0	0.65
F24	02 Nov 2017	2	18.23	85.41	8.1	33.42	8.1	24.0	0.66
F24	02 Nov 2017	3	18.20	87.65	8.1	33.43	8.1	24.0	0.68
F24	02 Nov 2017	4	18.19	87.83	8.1	33.43	8.1	24.0	0.72
F24	02 Nov 2017	5	18.19	87.99	8.1	33.42	8.1	24.0	0.77
F24	02 Nov 2017	6	18.19	87.96	8.1	33.42	8.1	24.0	0.82
F24	02 Nov 2017	7	18.15	88.24	8.0	33.43	8.1	24.0	0.93
F24	02 Nov 2017	8	17.74	86.95	8.0	33.42	8.1	24.1	1.21
F24	02 Nov 2017	9	17.54	86.05	8.0	33.40	8.1	24.2	1.35
F24	02 Nov 2017	10	17.26	85.98	8.0	33.38	8.1	24.2	1.41
F24	02 Nov 2017	11	16.94	86.71	8.1	33.38	8.1	24.3	1.46
F24	02 Nov 2017	12	16.80	86.90	8.1	33.36	8.1	24.3	1.49
F24	02 Nov 2017	13	16.76	86.79	8.0	33.37	8.1	24.3	1.46
F24	02 Nov 2017	14	16.52	87.00	8.1	33.37	8.1	24.4	1.45
F24	02 Nov 2017	15	16.34	87.35	7.9	33.37	8.1	24.4	1.52
F24	02 Nov 2017	16	16.05	86.48	7.7	33.37	8.1	24.5	1.33
F24	02 Nov 2017	17	15.95	87.00	7.6	33.36	8.1	24.5	1.10
F24	02 Nov 2017	18	15.94	87.51	7.6	33.35	8.1	24.5	1.02
F24	02 Nov 2017	19	15.93	87.82	7.7	33.35	8.1	24.5	0.97
F24	02 Nov 2017	20	15.93	87.75	7.6	33.36	8.1	24.5	0.99
F24	02 Nov 2017	21	15.92	87.50	7.6	33.36	8.1	24.5	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	02 Nov 2017	22	15.90	87.75	7.6	33.36	8.1	24.5	0.96
F24	02 Nov 2017	23	15.72	87.71	7.6	33.37	8.1	24.6	0.95
F24	02 Nov 2017	24	15.48	87.70	7.5	33.36	8.1	24.6	0.98
F24	02 Nov 2017	25	15.32	87.83	7.4	33.36	8.1	24.6	0.91
F24	02 Nov 2017	26	15.15	87.71	7.5	33.36	8.1	24.7	0.92
F24	02 Nov 2017	27	15.03	87.86	7.5	33.36	8.1	24.7	0.91
F24	02 Nov 2017	28	14.94	87.89	7.5	33.35	8.1	24.7	0.90
F24	02 Nov 2017	29	14.87	87.89	7.4	33.35	8.0	24.7	0.91
F24	02 Nov 2017	30	14.84	87.91	7.4	33.35	8.0	24.7	0.89
F24	02 Nov 2017	31	14.81	88.07	7.3	33.35	8.0	24.7	0.85
F24	02 Nov 2017	32	14.78	88.40	7.3	33.35	8.0	24.7	0.84
F24	02 Nov 2017	33	14.75	88.40	7.3	33.35	8.0	24.8	0.81
F24	02 Nov 2017	34	14.75	88.01	7.3	33.35	8.0	24.8	0.84
F24	02 Nov 2017	35	14.75	87.67	7.3	33.35	8.0	24.8	0.90
F24	02 Nov 2017	36	14.76	87.70	7.3	33.35	8.0	24.8	0.97
F24	02 Nov 2017	37	14.74	87.81	7.3	33.36	8.0	24.8	1.07
F24	02 Nov 2017	38	14.74	87.73	7.4	33.36	8.0	24.8	1.11
F24	02 Nov 2017	39	14.72	87.77	7.4	33.36	8.0	24.8	1.13
F24	02 Nov 2017	40	14.70	87.74	7.3	33.36	8.0	24.8	1.14
F24	02 Nov 2017	41	14.68	87.65	7.3	33.36	8.0	24.8	1.15
F24	02 Nov 2017	42	14.63	87.89	7.3	33.36	8.0	24.8	1.16
F24	02 Nov 2017	43	14.56	88.03	7.2	33.37	8.0	24.8	1.16
F24	02 Nov 2017	44	14.47	88.00	7.2	33.37	8.0	24.8	1.22
F24	02 Nov 2017	45	14.38	88.33	7.1	33.37	8.0	24.8	1.23
F24	02 Nov 2017	46	14.32	88.82	7.1	33.37	8.0	24.9	1.23
F24	02 Nov 2017	47	14.23	88.93	7.0	33.37	8.0	24.9	1.17
F24	02 Nov 2017	48	14.19	89.12	7.0	33.37	8.0	24.9	1.13
F24	02 Nov 2017	49	14.17	89.57	7.0	33.37	8.0	24.9	1.12
F24	02 Nov 2017	50	14.06	89.75	6.9	33.38	8.0	24.9	1.11
F24	02 Nov 2017	51	13.85	90.19	6.8	33.38	8.0	25.0	1.06
F24	02 Nov 2017	52	13.78	90.33	6.7	33.38	8.0	25.0	1.01
F24	02 Nov 2017	53	13.70	90.43	6.6	33.38	8.0	25.0	0.99
F24	02 Nov 2017	54	13.65	90.50	6.5	33.38	8.0	25.0	0.99
F24	02 Nov 2017	55	13.61	90.46	6.5	33.38	8.0	25.0	0.97
F24	02 Nov 2017	56	13.58	90.55	6.4	33.38	8.0	25.0	0.98
F24	02 Nov 2017	57	13.53	90.55	6.3	33.39	8.0	25.0	0.97
F24	02 Nov 2017	58	13.40	90.52	6.3	33.40	8.0	25.1	0.95
F24	02 Nov 2017	59	13.36	90.37	6.3	33.39	8.0	25.1	0.94
F24	02 Nov 2017	60	13.29	90.33	6.3	33.40	8.0	25.1	0.91
F24	02 Nov 2017	61	13.27	90.29	6.3	33.39	8.0	25.1	0.90
F24	02 Nov 2017	62	13.26	90.32	6.3	33.39	8.0	25.1	0.90
F24	02 Nov 2017	63	13.24	90.37	6.3	33.40	8.0	25.1	0.89
F24	02 Nov 2017	64	13.22	90.33	6.3	33.40	8.0	25.1	0.88
F24	02 Nov 2017	65	13.17	90.28	6.3	33.40	8.0	25.1	0.86
F24	02 Nov 2017	66	13.13	90.25	6.2	33.40	8.0	25.1	0.86
F24	02 Nov 2017	67	13.10	90.11	6.2	33.40	8.0	25.1	0.83
F24	02 Nov 2017	68	13.07	89.95	6.2	33.40	8.0	25.1	0.81
F24	02 Nov 2017	69	13.00	89.86	6.1	33.41	8.0	25.2	0.81
F24	02 Nov 2017	70	12.93	89.80	6.1	33.41	7.9	25.2	0.79
F24	02 Nov 2017	71	12.86	89.53	5.9	33.42	7.9	25.2	0.77
F24	02 Nov 2017	72	12.67	88.95	5.8	33.44	7.9	25.3	0.74
F24	02 Nov 2017	73	12.55	88.19	5.7	33.44	7.9	25.3	0.71
F24	02 Nov 2017	74	12.53	87.77	5.6	33.44	7.9	25.3	0.66
F24	02 Nov 2017	75	12.52	88.09	5.6	33.43	7.9	25.3	0.63
F24	02 Nov 2017	76	12.49	88.02	5.6	33.44	7.9	25.3	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	02 Nov 2017	77	12.47	87.41	5.5	33.44	7.9	25.3	0.63
F24	02 Nov 2017	78	12.42	86.37	5.5	33.45	7.9	25.3	0.61
F24	02 Nov 2017	79	12.41	85.55	5.4	33.45	7.9	25.3	0.61
F24	02 Nov 2017	80	12.39	85.39	5.4	33.45	7.9	25.3	0.61
F24	02 Nov 2017	81	12.36	84.85	5.4	33.46	7.9	25.3	0.60
F24	02 Nov 2017	82	12.32	84.69	5.3	33.46	7.9	25.3	0.59
F24	02 Nov 2017	83	12.20	84.80	5.2	33.49	7.9	25.4	0.57
F25	02 Nov 2017	1	18.36	84.83	8.3	33.44	8.1	24.0	1.12
F25	02 Nov 2017	2	18.36	85.02	8.3	33.44	8.1	24.0	1.24
F25	02 Nov 2017	3	18.33	84.87	8.3	33.44	8.1	24.0	1.23
F25	02 Nov 2017	4	18.32	84.53	8.3	33.44	8.1	24.0	1.37
F25	02 Nov 2017	5	18.32	84.44	8.3	33.44	8.1	24.0	1.55
F25	02 Nov 2017	6	18.31	84.46	8.3	33.44	8.1	24.0	1.70
F25	02 Nov 2017	7	18.31	84.35	8.3	33.44	8.1	24.0	1.80
F25	02 Nov 2017	8	18.29	84.79	8.3	33.44	8.1	24.0	1.88
F25	02 Nov 2017	9	18.25	84.90	8.1	33.44	8.1	24.0	1.78
F25	02 Nov 2017	10	17.62	85.88	7.9	33.46	8.1	24.2	1.62
F25	02 Nov 2017	11	16.78	86.86	7.8	33.39	8.1	24.3	1.41
F25	02 Nov 2017	12	16.48	87.31	7.8	33.37	8.1	24.4	1.22
F25	02 Nov 2017	13	16.38	87.82	7.7	33.36	8.1	24.4	1.09
F25	02 Nov 2017	14	16.30	87.93	7.7	33.36	8.1	24.4	1.03
F25	02 Nov 2017	15	16.23	87.77	7.7	33.36	8.1	24.4	1.00
F25	02 Nov 2017	16	16.18	87.48	7.7	33.36	8.1	24.4	0.97
F25	02 Nov 2017	17	16.16	87.32	7.7	33.36	8.1	24.4	0.97
F25	02 Nov 2017	18	16.13	87.32	7.6	33.36	8.1	24.5	0.93
F25	02 Nov 2017	19	15.92	87.70	7.6	33.38	8.1	24.5	0.91
F25	02 Nov 2017	20	15.61	87.69	7.6	33.36	8.1	24.6	0.93
F25	02 Nov 2017	21	15.53	87.22	7.5	33.36	8.0	24.6	0.93
F25	02 Nov 2017	22	15.46	87.09	7.5	33.35	8.0	24.6	0.96
F25	02 Nov 2017	23	15.35	87.03	7.5	33.36	8.0	24.6	0.96
F25	02 Nov 2017	24	15.26	87.32	7.5	33.35	8.0	24.6	1.02
F25	02 Nov 2017	25	15.25	87.47	7.5	33.35	8.0	24.6	1.07
F25	02 Nov 2017	26	15.22	87.54	7.5	33.35	8.0	24.7	1.13
F25	02 Nov 2017	27	15.20	87.55	7.5	33.35	8.0	24.7	1.17
F25	02 Nov 2017	28	15.17	87.65	7.5	33.36	8.0	24.7	1.15
F25	02 Nov 2017	29	15.13	87.61	7.5	33.36	8.0	24.7	1.13
F25	02 Nov 2017	30	15.11	87.61	7.5	33.36	8.0	24.7	1.15
F25	02 Nov 2017	31	15.08	87.84	7.5	33.36	8.0	24.7	1.16
F25	02 Nov 2017	32	15.04	88.06	7.6	33.36	8.0	24.7	1.19
F25	02 Nov 2017	33	14.95	88.39	7.6	33.36	8.0	24.7	1.21
F25	02 Nov 2017	34	14.80	88.75	7.6	33.37	8.1	24.8	1.22
F25	02 Nov 2017	35	14.71	89.32	7.6	33.36	8.1	24.8	1.22
F25	02 Nov 2017	36	14.64	89.51	7.6	33.36	8.1	24.8	1.25
F25	02 Nov 2017	37	14.60	89.55	7.5	33.36	8.0	24.8	1.26
F25	02 Nov 2017	38	14.58	89.57	7.5	33.36	8.0	24.8	1.25
F25	02 Nov 2017	39	14.51	89.56	7.4	33.37	8.0	24.8	1.19
F25	02 Nov 2017	40	14.27	89.73	7.2	33.38	8.0	24.9	1.11
F25	02 Nov 2017	41	14.08	89.96	7.2	33.37	8.0	24.9	1.03
F25	02 Nov 2017	42	13.99	90.14	7.1	33.36	8.0	24.9	0.97
F25	02 Nov 2017	43	13.96	90.13	7.1	33.36	8.0	24.9	0.96
F25	02 Nov 2017	44	13.92	90.22	7.0	33.37	8.0	24.9	0.95
F25	02 Nov 2017	45	13.86	90.21	7.0	33.37	8.0	25.0	0.94
F25	02 Nov 2017	46	13.83	90.27	6.9	33.37	8.0	25.0	0.89
F25	02 Nov 2017	47	13.71	90.31	6.8	33.38	8.0	25.0	0.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	02 Nov 2017	48	13.58	90.33	6.7	33.38	8.0	25.0	0.88
F25	02 Nov 2017	49	13.56	90.34	6.6	33.38	8.0	25.0	0.85
F25	02 Nov 2017	50	13.52	90.33	6.6	33.38	8.0	25.0	0.83
F25	02 Nov 2017	51	13.46	90.36	6.5	33.39	8.0	25.1	0.84
F25	02 Nov 2017	52	13.43	90.31	6.5	33.39	8.0	25.1	0.83
F25	02 Nov 2017	53	13.42	90.34	6.5	33.39	8.0	25.1	0.81
F25	02 Nov 2017	54	13.40	90.21	6.5	33.39	8.0	25.1	0.82
F25	02 Nov 2017	55	13.37	90.31	6.4	33.39	8.0	25.1	0.82
F25	02 Nov 2017	56	13.36	90.32	6.4	33.39	8.0	25.1	0.81
F25	02 Nov 2017	57	13.35	90.30	6.4	33.39	8.0	25.1	0.79
F25	02 Nov 2017	58	13.33	90.19	6.4	33.39	8.0	25.1	0.79
F25	02 Nov 2017	59	13.32	90.27	6.4	33.39	8.0	25.1	0.79
F25	02 Nov 2017	60	13.30	90.30	6.4	33.39	8.0	25.1	0.78
F25	02 Nov 2017	61	13.25	90.08	6.3	33.40	8.0	25.1	0.74
F25	02 Nov 2017	62	13.10	89.74	6.2	33.41	8.0	25.1	0.71
F25	02 Nov 2017	63	13.03	89.69	6.2	33.41	7.9	25.2	0.69
F25	02 Nov 2017	64	12.96	89.79	6.1	33.41	7.9	25.2	0.69
F25	02 Nov 2017	65	12.90	89.76	6.0	33.42	7.9	25.2	0.67
F25	02 Nov 2017	66	12.86	89.77	6.0	33.42	7.9	25.2	0.66
F25	02 Nov 2017	67	12.82	89.71	5.9	33.42	7.9	25.2	0.64
F25	02 Nov 2017	68	12.78	89.57	5.9	33.42	7.9	25.2	0.63
F25	02 Nov 2017	69	12.74	89.50	5.9	33.42	7.9	25.2	0.60
F25	02 Nov 2017	70	12.66	89.51	5.8	33.43	7.9	25.2	0.58
F25	02 Nov 2017	71	12.61	89.45	5.8	33.43	7.9	25.2	0.55
F25	02 Nov 2017	72	12.55	89.36	5.7	33.44	7.9	25.3	0.54
F25	02 Nov 2017	73	12.45	88.96	5.6	33.45	7.9	25.3	0.53
F25	02 Nov 2017	74	12.38	88.44	5.5	33.45	7.9	25.3	0.52
F25	02 Nov 2017	75	12.35	87.71	5.4	33.45	7.9	25.3	0.50
F25	02 Nov 2017	76	12.34	87.47	5.4	33.45	7.9	25.3	0.49
F25	02 Nov 2017	77	12.33	87.42	5.4	33.45	7.9	25.3	0.51
F25	02 Nov 2017	78	12.32	87.61	5.4	33.45	7.9	25.3	0.49
F25	02 Nov 2017	79	12.32	87.60	5.4	33.45	7.9	25.3	0.49
F25	02 Nov 2017	80	12.31	87.49	5.4	33.45	7.9	25.3	0.47
F25	02 Nov 2017	81	12.31	87.39	5.4	33.46	7.9	25.3	0.45
F26	03 Nov 2017	1	19.27	88.99	7.8	33.50	8.2	23.8	0.38
F26	03 Nov 2017	2	19.26	88.91	7.8	33.52	8.2	23.8	0.37
F26	03 Nov 2017	3	19.18	88.72	7.8	33.51	8.2	23.8	0.37
F26	03 Nov 2017	4	19.15	88.61	7.8	33.51	8.2	23.8	0.39
F26	03 Nov 2017	5	19.14	88.57	7.7	33.51	8.2	23.8	0.41
F26	03 Nov 2017	6	18.70	88.49	7.8	33.53	8.2	24.0	0.45
F26	03 Nov 2017	7	18.06	87.13	8.0	33.48	8.2	24.1	0.50
F26	03 Nov 2017	8	17.73	88.29	8.1	33.44	8.2	24.1	0.53
F26	03 Nov 2017	9	17.65	88.30	8.1	33.43	8.2	24.2	0.55
F26	03 Nov 2017	10	17.55	88.37	8.1	33.42	8.2	24.2	0.58
F26	03 Nov 2017	11	17.37	88.37	8.1	33.43	8.2	24.2	0.60
F26	03 Nov 2017	12	17.10	88.27	8.1	33.41	8.2	24.3	0.65
F26	03 Nov 2017	13	17.06	88.17	8.2	33.40	8.2	24.3	0.74
F26	03 Nov 2017	14	17.05	87.88	8.2	33.40	8.2	24.3	0.84
F26	03 Nov 2017	15	17.05	87.79	8.1	33.40	8.2	24.3	0.90
F26	03 Nov 2017	16	16.96	87.60	8.1	33.40	8.2	24.3	0.99
F26	03 Nov 2017	17	16.49	87.26	8.1	33.41	8.2	24.4	1.24
F26	03 Nov 2017	18	16.11	85.97	8.0	33.40	8.1	24.5	1.82
F26	03 Nov 2017	19	15.51	85.43	7.9	33.41	8.1	24.6	2.25
F26	03 Nov 2017	20	15.00	86.48	7.8	33.37	8.1	24.7	2.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	03 Nov 2017	21	14.96	87.02	7.8	33.36	8.1	24.7	2.18
F26	03 Nov 2017	22	14.91	87.28	7.8	33.36	8.1	24.7	2.16
F26	03 Nov 2017	23	14.89	87.43	7.8	33.36	8.1	24.7	2.18
F26	03 Nov 2017	24	14.85	87.65	7.7	33.36	8.1	24.7	2.15
F26	03 Nov 2017	25	14.81	87.79	7.7	33.36	8.1	24.8	2.14
F26	03 Nov 2017	26	14.70	87.86	7.6	33.37	8.1	24.8	2.10
F26	03 Nov 2017	27	14.49	88.16	7.4	33.38	8.1	24.8	1.93
F26	03 Nov 2017	28	14.37	88.62	7.3	33.37	8.1	24.9	1.70
F26	03 Nov 2017	29	14.29	88.78	7.2	33.38	8.1	24.9	1.58
F26	03 Nov 2017	30	14.23	88.95	7.2	33.38	8.1	24.9	1.51
F26	03 Nov 2017	31	14.21	89.05	7.2	33.38	8.1	24.9	1.49
F26	03 Nov 2017	32	14.19	89.09	7.1	33.38	8.1	24.9	1.45
F26	03 Nov 2017	33	14.16	89.12	7.1	33.38	8.1	24.9	1.41
F26	03 Nov 2017	34	14.09	89.14	7.1	33.38	8.1	24.9	1.40
F26	03 Nov 2017	35	14.01	89.40	7.1	33.38	8.1	24.9	1.34
F26	03 Nov 2017	36	13.97	89.55	7.0	33.38	8.1	24.9	1.31
F26	03 Nov 2017	37	13.92	89.59	7.0	33.38	8.1	25.0	1.27
F26	03 Nov 2017	38	13.89	89.66	7.0	33.38	8.0	25.0	1.24
F26	03 Nov 2017	39	13.88	89.65	7.0	33.38	8.0	25.0	1.23
F26	03 Nov 2017	40	13.87	89.65	7.0	33.38	8.0	25.0	1.21
F26	03 Nov 2017	41	13.86	89.69	6.9	33.38	8.0	25.0	1.19
F26	03 Nov 2017	42	13.83	89.72	6.9	33.38	8.0	25.0	1.17
F26	03 Nov 2017	43	13.82	89.72	6.9	33.38	8.0	25.0	1.16
F26	03 Nov 2017	44	13.82	89.76	6.9	33.38	8.0	25.0	1.16
F26	03 Nov 2017	45	13.80	89.76	6.9	33.38	8.0	25.0	1.12
F26	03 Nov 2017	46	13.76	89.83	6.8	33.38	8.0	25.0	1.09
F26	03 Nov 2017	47	13.74	89.84	6.8	33.38	8.0	25.0	1.10
F26	03 Nov 2017	48	13.73	89.82	6.8	33.38	8.0	25.0	1.11
F26	03 Nov 2017	49	13.72	89.79	6.8	33.38	8.0	25.0	1.09
F26	03 Nov 2017	50	13.70	89.86	6.8	33.38	8.0	25.0	1.07
F26	03 Nov 2017	51	13.68	89.90	6.8	33.38	8.0	25.0	1.05
F26	03 Nov 2017	52	13.67	89.93	6.8	33.38	8.0	25.0	1.04
F26	03 Nov 2017	53	13.66	89.95	6.8	33.38	8.0	25.0	1.02
F26	03 Nov 2017	54	13.64	89.97	6.7	33.38	8.0	25.0	0.98
F26	03 Nov 2017	55	13.61	89.99	6.6	33.38	8.0	25.0	0.95
F26	03 Nov 2017	56	13.55	90.04	6.6	33.38	8.0	25.0	0.88
F26	03 Nov 2017	57	13.51	90.02	6.5	33.38	8.0	25.0	0.82
F26	03 Nov 2017	58	13.47	90.04	6.5	33.38	8.0	25.0	0.75
F26	03 Nov 2017	59	13.38	90.04	6.4	33.39	8.0	25.1	0.70
F26	03 Nov 2017	60	13.34	89.99	6.4	33.39	8.0	25.1	0.67
F26	03 Nov 2017	61	13.28	89.85	6.4	33.39	8.0	25.1	0.61
F26	03 Nov 2017	62	13.22	89.51	6.3	33.39	8.0	25.1	0.58
F26	03 Nov 2017	63	13.16	89.29	6.3	33.39	8.0	25.1	0.59
F26	03 Nov 2017	64	13.09	88.90	6.1	33.40	8.0	25.1	0.60
F26	03 Nov 2017	65	12.96	88.08	6.0	33.41	8.0	25.2	0.55
F26	03 Nov 2017	66	12.87	87.57	5.9	33.41	8.0	25.2	0.51
F26	03 Nov 2017	67	12.81	87.78	5.8	33.41	8.0	25.2	0.52
F26	03 Nov 2017	68	12.80	87.80	5.8	33.41	8.0	25.2	0.51
F26	03 Nov 2017	69	12.73	87.69	5.7	33.42	7.9	25.2	0.50
F26	03 Nov 2017	70	12.64	87.45	5.6	33.43	7.9	25.2	0.48
F26	03 Nov 2017	71	12.62	87.20	5.6	33.43	7.9	25.2	0.49
F26	03 Nov 2017	72	12.60	87.23	5.6	33.43	7.9	25.3	0.47
F26	03 Nov 2017	73	12.58	87.07	5.5	33.43	7.9	25.3	0.47
F26	03 Nov 2017	74	12.54	87.11	5.5	33.44	7.9	25.3	0.47
F26	03 Nov 2017	75	12.47	87.14	5.4	33.44	7.9	25.3	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	03 Nov 2017	76	12.45	87.16	5.4	33.44	7.9	25.3	0.44
F26	03 Nov 2017	77	12.43	87.09	5.4	33.45	7.9	25.3	0.45
F26	03 Nov 2017	78	12.37	87.16	5.3	33.45	7.9	25.3	0.42
F26	03 Nov 2017	79	12.34	87.35	5.3	33.45	7.9	25.3	0.41
F26	03 Nov 2017	80	12.33	87.11	5.3	33.46	7.9	25.3	0.40
F26	03 Nov 2017	81	12.32	87.44	5.3	33.46	7.9	25.3	0.39
F26	03 Nov 2017	82	12.30	87.42	5.2	33.46	7.9	25.3	0.40
F26	03 Nov 2017	83	12.24	87.42	5.2	33.47	7.9	25.4	0.38
F26	03 Nov 2017	84	12.21	87.55	5.2	33.47	7.9	25.4	0.38
F26	03 Nov 2017	85	12.16	87.59	5.1	33.48	7.9	25.4	0.38
F26	03 Nov 2017	86	12.14	87.15	5.1	33.48	7.9	25.4	0.37
F26	03 Nov 2017	87	12.14	87.15	5.1	33.48	7.9	25.4	0.37
F26	03 Nov 2017	88	12.12	87.04	5.1	33.48	7.9	25.4	0.36
F26	03 Nov 2017	89	12.11	86.91	5.0	33.48	7.9	25.4	0.37
F26	03 Nov 2017	90	12.10	86.86	5.0	33.49	7.9	25.4	0.35
F26	03 Nov 2017	91	12.05	86.63	5.0	33.50	7.9	25.4	0.35
F26	03 Nov 2017	92	11.89	86.76	4.9	33.52	7.9	25.5	0.33
F26	03 Nov 2017	93	11.81	87.16	4.8	33.54	7.9	25.5	0.32
F26	03 Nov 2017	94	11.70	87.50	4.7	33.55	7.8	25.5	0.30
F26	03 Nov 2017	95	11.65	87.53	4.6	33.56	7.8	25.5	0.30
F26	03 Nov 2017	96	11.62	87.57	4.6	33.57	7.8	25.5	0.29
F26	03 Nov 2017	97	11.60	87.49	4.6	33.57	7.8	25.6	0.28
F26	03 Nov 2017	98	11.60	87.54	4.6	33.57	7.8	25.6	0.28
F26	03 Nov 2017	99	11.60	87.52	4.6	33.57	7.8	25.6	0.28
F26	03 Nov 2017	100	11.58	87.49	4.5	33.57	7.8	25.6	0.27
F27	03 Nov 2017	1	19.39	89.23	7.7	33.53	8.2	23.8	0.37
F27	03 Nov 2017	2	19.37	89.23	7.7	33.53	8.2	23.8	0.37
F27	03 Nov 2017	3	19.31	89.20	7.7	33.53	8.2	23.8	0.38
F27	03 Nov 2017	4	19.29	89.15	7.7	33.53	8.2	23.8	0.38
F27	03 Nov 2017	5	19.28	89.07	7.7	33.53	8.2	23.8	0.38
F27	03 Nov 2017	6	19.26	89.12	7.7	33.53	8.2	23.8	0.39
F27	03 Nov 2017	7	19.25	89.13	7.7	33.53	8.2	23.8	0.41
F27	03 Nov 2017	8	19.06	89.13	7.7	33.53	8.2	23.9	0.42
F27	03 Nov 2017	9	18.37	88.96	7.8	33.52	8.2	24.0	0.46
F27	03 Nov 2017	10	17.78	88.81	8.0	33.47	8.2	24.2	0.47
F27	03 Nov 2017	11	17.47	88.93	8.1	33.44	8.2	24.2	0.49
F27	03 Nov 2017	12	17.22	88.80	8.2	33.41	8.2	24.2	0.53
F27	03 Nov 2017	13	17.13	88.58	8.2	33.40	8.2	24.3	0.63
F27	03 Nov 2017	14	17.12	88.45	8.2	33.40	8.2	24.3	0.70
F27	03 Nov 2017	15	17.11	88.24	8.1	33.40	8.2	24.3	0.80
F27	03 Nov 2017	16	17.02	87.96	8.0	33.42	8.2	24.3	0.89
F27	03 Nov 2017	17	15.88	87.32	7.9	33.45	8.2	24.6	1.44
F27	03 Nov 2017	18	15.21	86.18	7.8	33.38	8.1	24.7	2.03
F27	03 Nov 2017	19	14.96	86.54	7.8	33.37	8.1	24.7	1.95
F27	03 Nov 2017	20	14.90	87.66	7.8	33.36	8.1	24.7	1.84
F27	03 Nov 2017	21	14.89	87.83	7.8	33.36	8.1	24.7	1.87
F27	03 Nov 2017	22	14.87	87.83	7.7	33.36	8.1	24.7	1.91
F27	03 Nov 2017	23	14.87	87.90	7.7	33.36	8.1	24.7	1.96
F27	03 Nov 2017	24	14.86	87.88	7.7	33.36	8.1	24.7	2.01
F27	03 Nov 2017	25	14.86	87.94	7.7	33.36	8.1	24.7	2.05
F27	03 Nov 2017	26	14.85	87.99	7.7	33.36	8.1	24.7	2.10
F27	03 Nov 2017	27	14.83	87.87	7.7	33.37	8.1	24.8	2.11
F27	03 Nov 2017	28	14.70	88.03	7.6	33.38	8.1	24.8	2.06
F27	03 Nov 2017	29	14.50	88.50	7.4	33.38	8.1	24.8	1.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	03 Nov 2017	30	14.44	88.82	7.4	33.37	8.1	24.8	1.71
F27	03 Nov 2017	31	14.38	88.98	7.3	33.38	8.1	24.9	1.59
F27	03 Nov 2017	32	14.29	89.21	7.2	33.38	8.1	24.9	1.54
F27	03 Nov 2017	33	14.23	89.22	7.2	33.38	8.1	24.9	1.49
F27	03 Nov 2017	34	14.14	89.31	7.1	33.38	8.1	24.9	1.43
F27	03 Nov 2017	35	14.09	89.29	7.0	33.38	8.1	24.9	1.39
F27	03 Nov 2017	36	14.06	89.22	7.0	33.38	8.1	24.9	1.36
F27	03 Nov 2017	37	14.06	89.23	6.9	33.38	8.1	24.9	1.33
F27	03 Nov 2017	38	14.05	89.22	6.9	33.38	8.0	24.9	1.30
F27	03 Nov 2017	39	14.01	89.25	6.8	33.39	8.0	24.9	1.27
F27	03 Nov 2017	40	13.91	89.24	6.7	33.39	8.0	25.0	1.23
F27	03 Nov 2017	41	13.85	89.22	6.7	33.39	8.0	25.0	1.24
F27	03 Nov 2017	42	13.78	89.19	6.6	33.39	8.0	25.0	1.16
F27	03 Nov 2017	43	13.75	89.21	6.6	33.39	8.0	25.0	1.12
F27	03 Nov 2017	44	13.71	89.27	6.6	33.39	8.0	25.0	1.09
F27	03 Nov 2017	45	13.69	89.27	6.5	33.39	8.0	25.0	1.07
F27	03 Nov 2017	46	13.68	89.27	6.5	33.40	8.0	25.0	1.06
F27	03 Nov 2017	47	13.67	89.29	6.5	33.40	8.0	25.0	1.05
F27	03 Nov 2017	48	13.65	89.31	6.5	33.40	8.0	25.0	1.03
F27	03 Nov 2017	49	13.62	89.35	6.4	33.40	8.0	25.0	1.00
F27	03 Nov 2017	50	13.58	89.26	6.4	33.40	8.0	25.0	1.00
F27	03 Nov 2017	51	13.56	89.40	6.4	33.40	8.0	25.0	0.99
F27	03 Nov 2017	52	13.55	89.49	6.4	33.40	8.0	25.0	0.97
F27	03 Nov 2017	53	13.50	89.51	6.4	33.41	8.0	25.1	0.96
F27	03 Nov 2017	54	13.45	89.60	6.4	33.40	8.0	25.1	0.94
F27	03 Nov 2017	55	13.45	89.64	6.3	33.40	8.0	25.1	0.93
F27	03 Nov 2017	56	13.44	89.57	6.3	33.41	8.0	25.1	0.90
F27	03 Nov 2017	57	13.43	89.62	6.3	33.41	8.0	25.1	0.89
F27	03 Nov 2017	58	13.38	89.68	6.4	33.40	8.0	25.1	0.85
F27	03 Nov 2017	59	13.33	90.07	6.5	33.39	8.0	25.1	0.85
F27	03 Nov 2017	60	13.30	90.27	6.5	33.39	8.0	25.1	0.82
F27	03 Nov 2017	61	13.28	90.32	6.4	33.39	8.0	25.1	0.81
F27	03 Nov 2017	62	13.28	90.30	6.3	33.39	8.0	25.1	0.78
F27	03 Nov 2017	63	13.26	90.29	6.2	33.40	8.0	25.1	0.76
F27	03 Nov 2017	64	13.25	90.25	6.0	33.40	8.0	25.1	0.74
F27	03 Nov 2017	65	13.21	90.24	6.0	33.41	8.0	25.1	0.72
F27	03 Nov 2017	66	13.13	90.25	5.9	33.41	8.0	25.1	0.66
F27	03 Nov 2017	67	13.04	89.94	5.8	33.41	8.0	25.1	0.62
F27	03 Nov 2017	68	12.81	88.81	5.6	33.37	7.9	25.2	0.56
F27	03 Nov 2017	69	12.75	87.70	5.5	33.35	7.9	25.2	0.53
F27	03 Nov 2017	70	12.76	87.41	5.5	33.35	7.9	25.2	0.51
F27	03 Nov 2017	71	12.83	88.09	5.6	33.38	7.9	25.2	0.52
F27	03 Nov 2017	72	12.85	88.62	5.7	33.39	7.9	25.2	0.54
F27	03 Nov 2017	73	12.88	89.19	5.8	33.41	7.9	25.2	0.58
F27	03 Nov 2017	74	12.81	89.28	5.8	33.42	7.9	25.2	0.58
F27	03 Nov 2017	75	12.75	89.35	5.8	33.42	7.9	25.2	0.57
F27	03 Nov 2017	76	12.76	89.17	5.8	33.42	7.9	25.2	0.57
F27	03 Nov 2017	77	12.73	89.02	5.7	33.42	7.9	25.2	0.56
F27	03 Nov 2017	78	12.72	88.86	5.7	33.42	7.9	25.2	0.54
F27	03 Nov 2017	79	12.67	88.64	5.6	33.43	7.9	25.2	0.52
F27	03 Nov 2017	80	12.53	87.61	5.5	33.44	7.9	25.3	0.48
F27	03 Nov 2017	81	12.41	87.52	5.4	33.44	7.9	25.3	0.45
F27	03 Nov 2017	82	12.35	87.87	5.3	33.44	7.9	25.3	0.43
F27	03 Nov 2017	83	12.27	88.15	5.2	33.45	7.9	25.3	0.42
F27	03 Nov 2017	84	12.24	88.35	5.2	33.45	7.9	25.3	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	03 Nov 2017	85	12.23	88.36	5.2	33.45	7.9	25.3	0.38
F27	03 Nov 2017	86	12.23	88.37	5.1	33.45	7.9	25.3	0.38
F27	03 Nov 2017	87	12.22	88.36	5.1	33.45	7.9	25.3	0.38
F27	03 Nov 2017	88	12.19	88.28	5.1	33.46	7.9	25.4	0.38
F27	03 Nov 2017	89	12.18	88.33	5.1	33.46	7.9	25.4	0.38
F27	03 Nov 2017	90	12.16	88.31	5.1	33.47	7.9	25.4	0.38
F27	03 Nov 2017	91	12.13	88.24	5.0	33.47	7.9	25.4	0.37
F27	03 Nov 2017	92	12.09	88.15	5.0	33.48	7.9	25.4	0.36
F27	03 Nov 2017	93	12.03	87.91	5.0	33.50	7.9	25.4	0.36
F27	03 Nov 2017	94	11.98	87.65	4.9	33.51	7.9	25.4	0.35
F27	03 Nov 2017	95	11.89	87.55	4.8	33.52	7.9	25.5	0.33
F27	03 Nov 2017	96	11.62	87.47	4.6	33.58	7.8	25.6	0.31
F27	03 Nov 2017	97	11.50	87.84	4.5	33.59	7.8	25.6	0.29
F27	03 Nov 2017	98	11.47	87.96	4.4	33.59	7.8	25.6	0.31
F27	03 Nov 2017	99	11.44	88.01	4.4	33.59	7.8	25.6	0.31
F27	03 Nov 2017	100	11.43	87.94	4.4	33.60	7.8	25.6	0.30
F28	03 Nov 2017	1	19.21	89.06	7.7	33.49	8.2	23.8	0.41
F28	03 Nov 2017	2	19.22	88.99	7.8	33.50	8.2	23.8	0.41
F28	03 Nov 2017	3	19.18	89.03	7.8	33.50	8.2	23.8	0.41
F28	03 Nov 2017	4	19.12	88.93	7.7	33.51	8.2	23.9	0.43
F28	03 Nov 2017	5	18.80	88.90	7.8	33.52	8.2	23.9	0.44
F28	03 Nov 2017	6	18.23	88.91	7.9	33.49	8.2	24.1	0.46
F28	03 Nov 2017	7	17.92	88.85	8.0	33.45	8.2	24.1	0.49
F28	03 Nov 2017	8	17.71	88.80	8.1	33.43	8.2	24.1	0.50
F28	03 Nov 2017	9	17.63	88.70	8.1	33.42	8.2	24.2	0.53
F28	03 Nov 2017	10	17.44	88.62	8.1	33.42	8.2	24.2	0.57
F28	03 Nov 2017	11	17.39	88.57	8.1	33.41	8.2	24.2	0.62
F28	03 Nov 2017	12	17.29	88.52	8.1	33.41	8.2	24.2	0.65
F28	03 Nov 2017	13	17.08	88.38	8.1	33.41	8.2	24.3	0.73
F28	03 Nov 2017	14	16.87	88.10	8.1	33.40	8.2	24.3	0.85
F28	03 Nov 2017	15	16.55	87.75	8.0	33.41	8.1	24.4	1.07
F28	03 Nov 2017	16	15.90	86.99	8.0	33.41	8.1	24.5	1.62
F28	03 Nov 2017	17	15.29	86.28	7.9	33.39	8.1	24.7	1.92
F28	03 Nov 2017	18	15.12	86.82	7.8	33.37	8.1	24.7	1.90
F28	03 Nov 2017	19	14.95	87.31	7.8	33.37	8.1	24.7	1.90
F28	03 Nov 2017	20	14.87	87.55	7.7	33.36	8.1	24.7	1.87
F28	03 Nov 2017	21	14.84	87.75	7.7	33.36	8.1	24.7	1.88
F28	03 Nov 2017	22	14.79	87.99	7.7	33.36	8.1	24.8	1.88
F28	03 Nov 2017	23	14.78	88.07	7.7	33.36	8.1	24.8	1.87
F28	03 Nov 2017	24	14.77	88.21	7.6	33.36	8.1	24.8	1.89
F28	03 Nov 2017	25	14.77	88.23	7.6	33.36	8.1	24.8	1.92
F28	03 Nov 2017	26	14.77	88.24	7.6	33.36	8.1	24.8	1.94
F28	03 Nov 2017	27	14.77	88.29	7.6	33.37	8.1	24.8	1.94
F28	03 Nov 2017	28	14.76	88.34	7.6	33.37	8.1	24.8	1.95
F28	03 Nov 2017	29	14.73	88.45	7.6	33.37	8.1	24.8	1.91
F28	03 Nov 2017	30	14.71	88.54	7.6	33.37	8.1	24.8	1.89
F28	03 Nov 2017	31	14.66	88.62	7.5	33.37	8.1	24.8	1.83
F28	03 Nov 2017	32	14.59	88.71	7.4	33.37	8.1	24.8	1.78
F28	03 Nov 2017	33	14.49	88.81	7.4	33.38	8.1	24.8	1.71
F28	03 Nov 2017	34	14.37	88.91	7.4	33.37	8.1	24.9	1.66
F28	03 Nov 2017	35	14.35	89.07	7.4	33.37	8.1	24.9	1.61
F28	03 Nov 2017	36	14.34	89.05	7.4	33.37	8.1	24.9	1.57
F28	03 Nov 2017	37	14.31	89.10	7.3	33.37	8.1	24.9	1.56
F28	03 Nov 2017	38	14.27	89.13	7.3	33.37	8.1	24.9	1.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	03 Nov 2017	39	14.26	89.14	7.2	33.37	8.1	24.9	1.51
F28	03 Nov 2017	40	14.26	89.08	7.2	33.37	8.1	24.9	1.47
F28	03 Nov 2017	41	14.16	89.12	7.1	33.38	8.1	24.9	1.45
F28	03 Nov 2017	42	14.08	89.05	7.0	33.38	8.0	24.9	1.39
F28	03 Nov 2017	43	14.06	89.13	6.9	33.38	8.0	24.9	1.36
F28	03 Nov 2017	44	14.00	89.01	6.8	33.39	8.0	24.9	1.32
F28	03 Nov 2017	45	13.86	89.09	6.7	33.39	8.0	25.0	1.27
F28	03 Nov 2017	46	13.83	89.08	6.7	33.38	8.0	25.0	1.24
F28	03 Nov 2017	47	13.79	89.08	6.6	33.39	8.0	25.0	1.19
F28	03 Nov 2017	48	13.73	89.12	6.6	33.39	8.0	25.0	1.15
F28	03 Nov 2017	49	13.66	89.17	6.5	33.39	8.0	25.0	1.13
F28	03 Nov 2017	50	13.63	89.22	6.5	33.39	8.0	25.0	1.05
F28	03 Nov 2017	51	13.55	89.30	6.5	33.40	8.0	25.0	1.01
F28	03 Nov 2017	52	13.55	89.44	6.4	33.40	8.0	25.0	1.00
F28	03 Nov 2017	53	13.55	89.54	6.4	33.40	8.0	25.0	0.99
F28	03 Nov 2017	54	13.54	89.54	6.4	33.40	8.0	25.0	0.97
F28	03 Nov 2017	55	13.51	89.76	6.4	33.41	8.0	25.1	0.94
F28	03 Nov 2017	56	13.46	89.93	6.3	33.41	8.0	25.1	0.92
F28	03 Nov 2017	57	13.42	90.01	6.3	33.41	8.0	25.1	0.87
F28	03 Nov 2017	58	13.36	90.03	6.3	33.41	8.0	25.1	0.89
F28	03 Nov 2017	59	13.31	89.88	6.3	33.41	8.0	25.1	0.88
F28	03 Nov 2017	60	13.30	89.81	6.3	33.41	8.0	25.1	0.88
F28	03 Nov 2017	61	13.30	89.77	6.2	33.41	8.0	25.1	0.87
F28	03 Nov 2017	62	13.29	89.76	6.2	33.41	8.0	25.1	0.88
F28	03 Nov 2017	63	13.27	89.78	6.2	33.41	8.0	25.1	0.86
F28	03 Nov 2017	64	13.24	89.84	6.3	33.41	8.0	25.1	0.85
F28	03 Nov 2017	65	13.20	89.95	6.3	33.40	8.0	25.1	0.82
F28	03 Nov 2017	66	13.17	90.00	6.3	33.40	8.0	25.1	0.83
F28	03 Nov 2017	67	13.14	90.07	6.3	33.40	8.0	25.1	0.80
F28	03 Nov 2017	68	13.12	90.18	6.3	33.40	8.0	25.1	0.79
F28	03 Nov 2017	69	13.09	90.27	6.2	33.41	8.0	25.1	0.78
F28	03 Nov 2017	70	13.03	90.32	6.2	33.41	8.0	25.2	0.75
F28	03 Nov 2017	71	12.94	90.43	6.0	33.42	8.0	25.2	0.71
F28	03 Nov 2017	72	12.82	90.24	5.8	33.41	8.0	25.2	0.63
F28	03 Nov 2017	73	12.71	89.38	5.6	33.38	7.9	25.2	0.58
F28	03 Nov 2017	74	12.67	87.98	5.5	33.37	7.9	25.2	0.53
F28	03 Nov 2017	75	12.70	87.76	5.5	33.38	7.9	25.2	0.53
F28	03 Nov 2017	76	12.73	88.35	5.6	33.39	7.9	25.2	0.54
F28	03 Nov 2017	77	12.74	88.69	5.6	33.40	7.9	25.2	0.54
F28	03 Nov 2017	78	12.74	88.86	5.6	33.40	7.9	25.2	0.54
F28	03 Nov 2017	79	12.72	88.84	5.6	33.40	7.9	25.2	0.55
F28	03 Nov 2017	80	12.72	88.78	5.6	33.40	7.9	25.2	0.55
F28	03 Nov 2017	81	12.68	88.77	5.5	33.41	7.9	25.2	0.53
F28	03 Nov 2017	82	12.50	88.02	5.3	33.38	7.9	25.2	0.51
F28	03 Nov 2017	83	12.49	87.17	5.3	33.37	7.9	25.2	0.52
F28	03 Nov 2017	84	12.55	87.69	5.4	33.39	7.9	25.2	0.51
F28	03 Nov 2017	85	12.53	87.99	5.4	33.40	7.9	25.2	0.52
F28	03 Nov 2017	86	12.54	87.95	5.4	33.40	7.9	25.2	0.53
F28	03 Nov 2017	87	12.58	88.13	5.5	33.42	7.9	25.2	0.54
F28	03 Nov 2017	88	12.60	88.53	5.6	33.43	7.9	25.3	0.56
F28	03 Nov 2017	89	12.57	88.42	5.5	33.43	7.9	25.3	0.55
F28	03 Nov 2017	90	12.49	88.17	5.4	33.44	7.9	25.3	0.53
F28	03 Nov 2017	91	12.38	87.76	5.2	33.42	7.9	25.3	0.50
F28	03 Nov 2017	92	12.28	87.16	5.0	33.41	7.9	25.3	0.47
F28	03 Nov 2017	93	12.21	86.93	4.9	33.40	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)
F28	03 Nov 2017	94	12.11	86.71	4.8	33.41	7.9	25.3	0.41
F28	03 Nov 2017	95	12.00	86.76	4.7	33.43	7.8	25.4	0.39
F28	03 Nov 2017	96	11.81	86.82	4.6	33.49	7.8	25.5	0.38
F28	03 Nov 2017	97	11.56	87.01	4.5	33.57	7.8	25.6	0.35
F28	03 Nov 2017	98	11.47	87.18	4.4	33.59	7.8	25.6	0.33
F28	03 Nov 2017	99	11.40	87.25	4.3	33.61	7.8	25.6	0.31
F28	03 Nov 2017	100	11.35	87.04	4.3	33.62	7.8	25.6	0.30
F28	03 Nov 2017	101	11.34	86.92	4.3	33.62	7.8	25.6	0.31
F29	03 Nov 2017	1	19.14	89.03	7.8	33.49	8.2	23.8	0.46
F29	03 Nov 2017	2	19.14	89.02	7.8	33.50	8.2	23.8	0.44
F29	03 Nov 2017	3	19.13	89.02	7.8	33.50	8.2	23.8	0.43
F29	03 Nov 2017	4	19.11	88.93	7.8	33.50	8.2	23.8	0.45
F29	03 Nov 2017	5	19.10	88.92	7.8	33.49	8.2	23.8	0.46
F29	03 Nov 2017	6	19.10	88.90	7.8	33.49	8.2	23.8	0.48
F29	03 Nov 2017	7	19.09	88.86	7.8	33.50	8.2	23.8	0.49
F29	03 Nov 2017	8	18.99	88.81	7.8	33.50	8.2	23.9	0.50
F29	03 Nov 2017	9	18.44	88.83	7.9	33.51	8.2	24.0	0.52
F29	03 Nov 2017	10	17.98	88.87	8.0	33.46	8.2	24.1	0.54
F29	03 Nov 2017	11	17.87	88.87	8.1	33.43	8.2	24.1	0.58
F29	03 Nov 2017	12	17.84	88.80	8.1	33.43	8.2	24.1	0.62
F29	03 Nov 2017	13	17.81	88.77	8.1	33.42	8.2	24.1	0.65
F29	03 Nov 2017	14	17.78	88.73	8.1	33.42	8.2	24.1	0.67
F29	03 Nov 2017	15	17.70	88.73	8.1	33.43	8.2	24.1	0.70
F29	03 Nov 2017	16	17.31	88.54	8.1	33.42	8.2	24.2	0.77
F29	03 Nov 2017	17	16.80	88.43	8.1	33.41	8.2	24.3	0.85
F29	03 Nov 2017	18	16.24	88.29	8.1	33.40	8.1	24.5	1.03
F29	03 Nov 2017	19	15.97	87.70	8.2	33.37	8.1	24.5	1.38
F29	03 Nov 2017	20	15.70	87.12	8.1	33.37	8.1	24.6	1.78
F29	03 Nov 2017	21	15.43	86.64	8.0	33.37	8.1	24.6	2.15
F29	03 Nov 2017	22	15.18	86.60	7.9	33.37	8.1	24.7	2.27
F29	03 Nov 2017	23	15.13	86.94	7.9	33.36	8.1	24.7	2.28
F29	03 Nov 2017	24	15.05	87.16	7.8	33.36	8.1	24.7	2.28
F29	03 Nov 2017	25	15.00	87.37	7.8	33.36	8.1	24.7	2.28
F29	03 Nov 2017	26	14.94	87.52	7.7	33.36	8.1	24.7	2.24
F29	03 Nov 2017	27	14.89	87.62	7.7	33.37	8.1	24.7	2.13
F29	03 Nov 2017	28	14.82	88.07	7.7	33.37	8.1	24.8	2.05
F29	03 Nov 2017	29	14.76	88.18	7.6	33.36	8.1	24.8	2.02
F29	03 Nov 2017	30	14.73	88.31	7.6	33.36	8.1	24.8	1.99
F29	03 Nov 2017	31	14.71	88.40	7.6	33.37	8.1	24.8	1.93
F29	03 Nov 2017	32	14.66	88.50	7.6	33.37	8.1	24.8	1.84
F29	03 Nov 2017	33	14.58	88.62	7.5	33.37	8.1	24.8	1.77
F29	03 Nov 2017	34	14.55	88.61	7.5	33.37	8.1	24.8	1.72
F29	03 Nov 2017	35	14.49	88.79	7.5	33.37	8.1	24.8	1.68
F29	03 Nov 2017	36	14.44	88.86	7.4	33.37	8.1	24.8	1.62
F29	03 Nov 2017	37	14.26	88.96	7.2	33.39	8.1	24.9	1.55
F29	03 Nov 2017	38	14.18	88.91	7.1	33.38	8.1	24.9	1.46
F29	03 Nov 2017	39	14.17	88.94	7.1	33.38	8.1	24.9	1.45
F29	03 Nov 2017	40	14.17	88.96	7.1	33.38	8.1	24.9	1.43
F29	03 Nov 2017	41	14.18	88.96	7.1	33.38	8.1	24.9	1.43
F29	03 Nov 2017	42	14.16	88.98	7.0	33.38	8.1	24.9	1.42
F29	03 Nov 2017	43	14.12	88.99	7.0	33.38	8.1	24.9	1.40
F29	03 Nov 2017	44	14.06	89.01	6.9	33.38	8.0	24.9	1.35
F29	03 Nov 2017	45	13.99	89.04	6.8	33.39	8.0	24.9	1.30
F29	03 Nov 2017	46	13.89	89.06	6.8	33.39	8.0	25.0	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	03 Nov 2017	47	13.78	89.09	6.7	33.39	8.0	25.0	1.19
F29	03 Nov 2017	48	13.78	89.17	6.7	33.39	8.0	25.0	1.17
F29	03 Nov 2017	49	13.78	89.20	6.7	33.39	8.0	25.0	1.17
F29	03 Nov 2017	50	13.76	89.21	6.7	33.39	8.0	25.0	1.14
F29	03 Nov 2017	51	13.73	89.33	6.7	33.39	8.0	25.0	1.14
F29	03 Nov 2017	52	13.70	89.44	6.6	33.39	8.0	25.0	1.13
F29	03 Nov 2017	53	13.64	89.36	6.5	33.40	8.0	25.0	1.09
F29	03 Nov 2017	54	13.57	89.24	6.4	33.40	8.0	25.0	1.03
F29	03 Nov 2017	55	13.52	89.35	6.4	33.41	8.0	25.1	1.02
F29	03 Nov 2017	56	13.46	89.61	6.4	33.41	8.0	25.1	0.97
F29	03 Nov 2017	57	13.43	89.81	6.3	33.41	8.0	25.1	0.94
F29	03 Nov 2017	58	13.36	89.83	6.3	33.41	8.0	25.1	0.92
F29	03 Nov 2017	59	13.24	89.83	6.3	33.41	8.0	25.1	0.87
F29	03 Nov 2017	60	13.20	89.95	6.3	33.41	8.0	25.1	0.85
F29	03 Nov 2017	61	13.16	89.94	6.3	33.41	8.0	25.1	0.82
F29	03 Nov 2017	62	13.11	89.96	6.2	33.41	8.0	25.1	0.79
F29	03 Nov 2017	63	13.10	89.99	6.2	33.41	8.0	25.1	0.77
F29	03 Nov 2017	64	13.09	90.00	6.2	33.41	8.0	25.1	0.76
F29	03 Nov 2017	65	13.09	90.03	6.2	33.41	8.0	25.1	0.76
F29	03 Nov 2017	66	13.08	90.07	6.2	33.41	8.0	25.1	0.75
F29	03 Nov 2017	67	13.07	90.09	6.2	33.41	8.0	25.1	0.74
F29	03 Nov 2017	68	13.07	90.15	6.2	33.41	8.0	25.1	0.75
F29	03 Nov 2017	69	13.08	90.24	6.1	33.41	8.0	25.1	0.76
F29	03 Nov 2017	70	13.08	90.27	6.1	33.41	8.0	25.1	0.77
F29	03 Nov 2017	71	13.08	90.29	6.1	33.41	8.0	25.1	0.76
F29	03 Nov 2017	72	13.09	90.33	6.1	33.41	8.0	25.1	0.76
F29	03 Nov 2017	73	13.08	90.35	6.0	33.41	8.0	25.1	0.75
F29	03 Nov 2017	74	13.08	90.37	6.0	33.41	8.0	25.1	0.76
F29	03 Nov 2017	75	13.07	90.36	6.0	33.41	8.0	25.1	0.76
F29	03 Nov 2017	76	13.07	90.33	6.0	33.41	8.0	25.1	0.76
F29	03 Nov 2017	77	13.06	90.41	6.0	33.41	8.0	25.2	0.74
F29	03 Nov 2017	78	13.05	90.27	6.1	33.41	8.0	25.2	0.74
F29	03 Nov 2017	79	13.03	90.40	6.1	33.41	8.0	25.2	0.72
F29	03 Nov 2017	80	13.01	90.42	6.1	33.41	8.0	25.2	0.70
F29	03 Nov 2017	81	12.96	90.46	6.1	33.41	8.0	25.2	0.68
F29	03 Nov 2017	82	12.93	90.44	6.1	33.41	8.0	25.2	0.66
F29	03 Nov 2017	83	12.90	90.42	6.0	33.42	8.0	25.2	0.65
F29	03 Nov 2017	84	12.88	90.40	6.0	33.42	8.0	25.2	0.63
F29	03 Nov 2017	85	12.84	90.30	5.9	33.42	7.9	25.2	0.60
F29	03 Nov 2017	86	12.79	90.35	5.8	33.43	7.9	25.2	0.57
F29	03 Nov 2017	87	12.77	90.19	5.7	33.44	7.9	25.2	0.54
F29	03 Nov 2017	88	12.73	90.01	5.7	33.43	7.9	25.2	0.54
F29	03 Nov 2017	89	12.72	89.97	5.7	33.43	7.9	25.2	0.54
F29	03 Nov 2017	90	12.71	89.91	5.7	33.43	7.9	25.2	0.54
F29	03 Nov 2017	91	12.71	89.90	5.6	33.43	7.9	25.2	0.53
F29	03 Nov 2017	92	12.71	89.91	5.6	33.44	7.9	25.2	0.52
F29	03 Nov 2017	93	12.66	89.86	5.6	33.43	7.9	25.2	0.52
F29	03 Nov 2017	94	12.63	89.67	5.6	33.43	7.9	25.2	0.53
F29	03 Nov 2017	95	12.57	89.40	5.6	33.44	7.9	25.3	0.53
F29	03 Nov 2017	96	12.52	88.62	5.5	33.44	7.9	25.3	0.53
F29	03 Nov 2017	97	12.45	87.94	5.3	33.45	7.9	25.3	0.51
F29	03 Nov 2017	98	11.97	87.45	5.0	33.51	7.9	25.4	0.45
F29	03 Nov 2017	99	11.77	86.43	4.7	33.52	7.8	25.5	0.37
F29	03 Nov 2017	100	11.71	86.03	4.6	33.52	7.8	25.5	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	03 Nov 2017	1	19.16	89.20	7.8	33.50	8.2	23.8	0.35
F30	03 Nov 2017	2	19.15	89.22	7.8	33.50	8.2	23.8	0.36
F30	03 Nov 2017	3	19.13	89.28	7.8	33.50	8.2	23.8	0.37
F30	03 Nov 2017	4	19.12	89.25	7.8	33.49	8.2	23.8	0.39
F30	03 Nov 2017	5	19.11	89.24	7.8	33.49	8.2	23.8	0.40
F30	03 Nov 2017	6	19.11	89.23	7.8	33.49	8.2	23.8	0.42
F30	03 Nov 2017	7	19.11	89.23	7.8	33.49	8.2	23.8	0.43
F30	03 Nov 2017	8	19.10	89.18	7.8	33.49	8.2	23.8	0.45
F30	03 Nov 2017	9	19.08	89.20	7.7	33.49	8.2	23.9	0.47
F30	03 Nov 2017	10	18.31	89.13	7.8	33.55	8.2	24.1	0.49
F30	03 Nov 2017	11	17.58	89.15	8.1	33.44	8.2	24.2	0.50
F30	03 Nov 2017	12	17.52	89.20	8.1	33.41	8.2	24.2	0.54
F30	03 Nov 2017	13	17.48	89.20	8.1	33.41	8.2	24.2	0.58
F30	03 Nov 2017	14	17.46	89.17	8.1	33.41	8.2	24.2	0.61
F30	03 Nov 2017	15	17.42	89.17	8.1	33.41	8.2	24.2	0.65
F30	03 Nov 2017	16	17.30	89.10	8.1	33.41	8.2	24.2	0.69
F30	03 Nov 2017	17	16.92	88.98	8.2	33.39	8.2	24.3	0.76
F30	03 Nov 2017	18	16.83	88.80	8.2	33.38	8.2	24.3	0.81
F30	03 Nov 2017	19	16.52	88.81	8.1	33.38	8.2	24.4	0.86
F30	03 Nov 2017	20	16.23	88.61	8.1	33.38	8.1	24.5	0.99
F30	03 Nov 2017	21	15.77	87.52	8.1	33.38	8.1	24.6	1.66
F30	03 Nov 2017	22	15.61	86.90	8.1	33.37	8.1	24.6	2.22
F30	03 Nov 2017	23	15.47	86.98	8.0	33.37	8.1	24.6	2.38
F30	03 Nov 2017	24	15.39	87.15	8.0	33.36	8.1	24.6	2.41
F30	03 Nov 2017	25	15.34	87.31	8.0	33.36	8.1	24.6	2.39
F30	03 Nov 2017	26	15.29	87.47	7.9	33.36	8.1	24.6	2.36
F30	03 Nov 2017	27	15.18	87.33	7.9	33.37	8.1	24.7	2.36
F30	03 Nov 2017	28	15.02	87.63	7.8	33.37	8.1	24.7	2.29
F30	03 Nov 2017	29	14.94	87.91	7.7	33.37	8.1	24.7	2.26
F30	03 Nov 2017	30	14.82	88.09	7.7	33.37	8.1	24.8	2.13
F30	03 Nov 2017	31	14.78	88.24	7.6	33.37	8.1	24.8	2.05
F30	03 Nov 2017	32	14.75	88.37	7.6	33.37	8.1	24.8	1.98
F30	03 Nov 2017	33	14.71	88.53	7.5	33.37	8.1	24.8	1.91
F30	03 Nov 2017	34	14.68	88.62	7.5	33.37	8.1	24.8	1.85
F30	03 Nov 2017	35	14.66	88.69	7.5	33.37	8.1	24.8	1.81
F30	03 Nov 2017	36	14.66	88.72	7.5	33.37	8.1	24.8	1.79
F30	03 Nov 2017	37	14.65	88.78	7.5	33.37	8.1	24.8	1.78
F30	03 Nov 2017	38	14.64	88.82	7.5	33.37	8.1	24.8	1.78
F30	03 Nov 2017	39	14.64	88.84	7.5	33.37	8.1	24.8	1.76
F30	03 Nov 2017	40	14.62	88.86	7.5	33.37	8.1	24.8	1.78
F30	03 Nov 2017	41	14.55	88.92	7.3	33.38	8.1	24.8	1.71
F30	03 Nov 2017	42	14.04	89.12	7.0	33.41	8.1	24.9	1.58
F30	03 Nov 2017	43	13.89	89.21	6.8	33.39	8.0	25.0	1.42
F30	03 Nov 2017	44	13.88	89.22	6.8	33.38	8.0	25.0	1.35
F30	03 Nov 2017	45	13.80	89.35	6.8	33.39	8.0	25.0	1.27
F30	03 Nov 2017	46	13.73	89.41	6.7	33.39	8.0	25.0	1.18
F30	03 Nov 2017	47	13.72	89.43	6.6	33.39	8.0	25.0	1.14
F30	03 Nov 2017	48	13.66	89.44	6.5	33.40	8.0	25.0	1.11
F30	03 Nov 2017	49	13.64	89.42	6.5	33.40	8.0	25.0	1.09
F30	03 Nov 2017	50	13.58	89.38	6.5	33.40	8.0	25.0	1.06
F30	03 Nov 2017	51	13.53	89.57	6.4	33.40	8.0	25.1	1.02
F30	03 Nov 2017	52	13.49	89.55	6.4	33.41	8.0	25.1	0.99
F30	03 Nov 2017	53	13.42	89.65	6.4	33.41	8.0	25.1	0.97
F30	03 Nov 2017	54	13.34	89.78	6.4	33.41	8.0	25.1	0.93
F30	03 Nov 2017	55	13.25	90.05	6.3	33.41	8.0	25.1	0.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	03 Nov 2017	56	13.15	90.08	6.3	33.41	8.0	25.1	0.85
F30	03 Nov 2017	57	13.15	90.06	6.3	33.40	8.0	25.1	0.82
F30	03 Nov 2017	58	13.14	90.05	6.2	33.41	8.0	25.1	0.82
F30	03 Nov 2017	59	13.13	90.07	6.2	33.41	8.0	25.1	0.79
F30	03 Nov 2017	60	13.12	90.13	6.2	33.41	8.0	25.1	0.79
F30	03 Nov 2017	61	13.08	90.19	6.3	33.41	8.0	25.1	0.77
F30	03 Nov 2017	62	13.04	90.24	6.3	33.41	8.0	25.2	0.75
F30	03 Nov 2017	63	13.02	90.35	6.3	33.41	8.0	25.2	0.75
F30	03 Nov 2017	64	13.02	90.34	6.3	33.41	8.0	25.2	0.74
F30	03 Nov 2017	65	13.00	90.41	6.3	33.41	8.0	25.2	0.73
F30	03 Nov 2017	66	12.99	90.44	6.3	33.41	8.0	25.2	0.74
F30	03 Nov 2017	67	12.97	90.48	6.3	33.41	8.0	25.2	0.71
F30	03 Nov 2017	68	12.97	90.49	6.3	33.41	8.0	25.2	0.71
F30	03 Nov 2017	69	12.97	90.51	6.2	33.41	8.0	25.2	0.70
F30	03 Nov 2017	70	12.98	90.50	6.1	33.41	8.0	25.2	0.70
F30	03 Nov 2017	71	12.98	90.46	6.0	33.42	8.0	25.2	0.70
F30	03 Nov 2017	72	12.97	90.51	6.0	33.42	8.0	25.2	0.70
F30	03 Nov 2017	73	12.95	90.52	6.0	33.42	8.0	25.2	0.69
F30	03 Nov 2017	74	12.91	90.49	5.9	33.43	8.0	25.2	0.67
F30	03 Nov 2017	75	12.85	90.47	5.9	33.43	8.0	25.2	0.64
F30	03 Nov 2017	76	12.78	90.41	5.8	33.42	7.9	25.2	0.60
F30	03 Nov 2017	77	12.74	89.87	5.7	33.41	7.9	25.2	0.58
F30	03 Nov 2017	78	12.71	89.24	5.7	33.41	7.9	25.2	0.55
F30	03 Nov 2017	79	12.68	88.68	5.6	33.41	7.9	25.2	0.54
F30	03 Nov 2017	80	12.67	88.78	5.6	33.40	7.9	25.2	0.52
F30	03 Nov 2017	81	12.63	88.57	5.5	33.40	7.9	25.2	0.51
F30	03 Nov 2017	82	12.62	88.16	5.5	33.40	7.9	25.2	0.50
F30	03 Nov 2017	83	12.62	88.12	5.5	33.40	7.9	25.2	0.50
F30	03 Nov 2017	84	12.62	88.28	5.5	33.40	7.9	25.2	0.49
F30	03 Nov 2017	85	12.63	88.17	5.5	33.40	7.9	25.2	0.48
F30	03 Nov 2017	86	12.64	88.38	5.5	33.41	7.9	25.2	0.49
F30	03 Nov 2017	87	12.63	88.40	5.5	33.40	7.9	25.2	0.49
F30	03 Nov 2017	88	12.62	88.21	5.5	33.40	7.9	25.2	0.48
F30	03 Nov 2017	89	12.60	88.07	5.5	33.40	7.9	25.2	0.48
F30	03 Nov 2017	90	12.57	87.84	5.4	33.40	7.9	25.2	0.48
F30	03 Nov 2017	91	12.55	87.58	5.4	33.40	7.9	25.2	0.49
F30	03 Nov 2017	92	12.52	87.04	5.4	33.39	7.9	25.2	0.47
F30	03 Nov 2017	93	12.50	86.56	5.4	33.38	7.9	25.2	0.48
F30	03 Nov 2017	94	12.51	86.55	5.4	33.39	7.9	25.2	0.48
F30	03 Nov 2017	95	12.50	86.48	5.4	33.39	7.9	25.2	0.47
F30	03 Nov 2017	96	12.50	86.47	5.3	33.39	7.9	25.2	0.47
F30	03 Nov 2017	97	12.50	86.55	5.3	33.39	7.9	25.2	0.47
F30	03 Nov 2017	98	12.51	86.62	5.3	33.39	7.9	25.2	0.47
F30	03 Nov 2017	99	12.49	86.56	5.3	33.39	7.9	25.2	0.47
F31	03 Nov 2017	1	19.16	89.28	7.8	33.50	8.2	23.8	0.40
F31	03 Nov 2017	2	19.16	89.22	7.8	33.50	8.2	23.8	0.40
F31	03 Nov 2017	3	19.16	89.29	7.8	33.50	8.2	23.8	0.43
F31	03 Nov 2017	4	19.14	89.29	7.8	33.50	8.2	23.8	0.42
F31	03 Nov 2017	5	19.13	89.25	7.8	33.50	8.2	23.8	0.43
F31	03 Nov 2017	6	19.13	89.23	7.8	33.50	8.2	23.8	0.44
F31	03 Nov 2017	7	19.12	89.23	7.8	33.50	8.2	23.8	0.45
F31	03 Nov 2017	8	19.09	89.24	7.8	33.50	8.2	23.9	0.48
F31	03 Nov 2017	9	19.04	89.24	7.8	33.50	8.2	23.9	0.49
F31	03 Nov 2017	10	18.92	89.20	7.7	33.50	8.2	23.9	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	03 Nov 2017	11	18.17	89.13	7.9	33.51	8.2	24.1	0.52
F31	03 Nov 2017	12	17.70	89.08	8.0	33.44	8.2	24.1	0.55
F31	03 Nov 2017	13	17.57	89.09	8.1	33.42	8.2	24.2	0.60
F31	03 Nov 2017	14	17.53	89.06	8.1	33.41	8.2	24.2	0.64
F31	03 Nov 2017	15	17.50	88.97	8.1	33.41	8.2	24.2	0.66
F31	03 Nov 2017	16	17.47	89.03	8.1	33.41	8.2	24.2	0.67
F31	03 Nov 2017	17	17.46	89.09	8.1	33.41	8.2	24.2	0.69
F31	03 Nov 2017	18	17.44	89.11	8.1	33.41	8.2	24.2	0.72
F31	03 Nov 2017	19	17.38	89.03	8.1	33.41	8.2	24.2	0.77
F31	03 Nov 2017	20	17.24	88.99	8.1	33.41	8.2	24.2	0.79
F31	03 Nov 2017	21	16.90	88.96	8.1	33.41	8.2	24.3	0.83
F31	03 Nov 2017	22	16.35	88.76	8.1	33.39	8.1	24.4	1.07
F31	03 Nov 2017	23	16.13	87.87	8.2	33.37	8.1	24.5	1.54
F31	03 Nov 2017	24	16.06	87.29	8.2	33.37	8.1	24.5	1.84
F31	03 Nov 2017	25	16.00	87.11	8.1	33.37	8.1	24.5	2.06
F31	03 Nov 2017	26	15.79	86.61	8.1	33.37	8.1	24.5	2.39
F31	03 Nov 2017	27	15.66	86.66	8.1	33.36	8.1	24.6	2.51
F31	03 Nov 2017	28	15.45	86.94	8.0	33.37	8.1	24.6	2.50
F31	03 Nov 2017	29	15.21	87.19	7.9	33.37	8.1	24.7	2.43
F31	03 Nov 2017	30	15.12	87.62	7.9	33.36	8.1	24.7	2.32
F31	03 Nov 2017	31	15.08	87.83	7.9	33.36	8.1	24.7	2.27
F31	03 Nov 2017	32	15.02	87.91	7.8	33.37	8.1	24.7	2.24
F31	03 Nov 2017	33	14.98	88.04	7.7	33.37	8.1	24.7	2.20
F31	03 Nov 2017	34	14.93	88.06	7.7	33.37	8.1	24.7	2.12
F31	03 Nov 2017	35	14.87	88.25	7.7	33.37	8.1	24.7	2.05
F31	03 Nov 2017	36	14.81	88.25	7.7	33.37	8.1	24.8	2.02
F31	03 Nov 2017	37	14.78	88.35	7.6	33.37	8.1	24.8	1.99
F31	03 Nov 2017	38	14.73	88.39	7.5	33.37	8.1	24.8	1.91
F31	03 Nov 2017	39	14.58	88.59	7.5	33.38	8.1	24.8	1.82
F31	03 Nov 2017	40	14.50	88.81	7.4	33.37	8.1	24.8	1.71
F31	03 Nov 2017	41	14.48	88.91	7.4	33.37	8.1	24.8	1.66
F31	03 Nov 2017	42	14.44	88.93	7.3	33.37	8.1	24.8	1.62
F31	03 Nov 2017	43	14.33	88.99	7.1	33.39	8.1	24.9	1.56
F31	03 Nov 2017	44	13.80	89.12	7.0	33.41	8.1	25.0	1.39
F31	03 Nov 2017	45	13.63	89.57	6.8	33.39	8.0	25.0	1.20
F31	03 Nov 2017	46	13.58	89.56	6.6	33.40	8.0	25.0	1.13
F31	03 Nov 2017	47	13.56	89.54	6.5	33.40	8.0	25.0	1.09
F31	03 Nov 2017	48	13.50	89.54	6.5	33.40	8.0	25.1	1.06
F31	03 Nov 2017	49	13.43	89.64	6.5	33.40	8.0	25.1	1.03
F31	03 Nov 2017	50	13.36	89.83	6.5	33.41	8.0	25.1	0.99
F31	03 Nov 2017	51	13.31	89.85	6.4	33.41	8.0	25.1	0.96
F31	03 Nov 2017	52	13.26	89.91	6.4	33.40	8.0	25.1	0.94
F31	03 Nov 2017	53	13.21	89.96	6.3	33.40	8.0	25.1	0.92
F31	03 Nov 2017	54	13.19	89.95	6.3	33.40	8.0	25.1	0.89
F31	03 Nov 2017	55	13.17	89.90	6.2	33.41	8.0	25.1	0.88
F31	03 Nov 2017	56	13.16	89.88	6.2	33.41	8.0	25.1	0.86
F31	03 Nov 2017	57	13.16	89.89	6.2	33.41	8.0	25.1	0.85
F31	03 Nov 2017	58	13.15	89.91	6.2	33.41	8.0	25.1	0.86
F31	03 Nov 2017	59	13.14	90.01	6.2	33.42	8.0	25.1	0.85
F31	03 Nov 2017	60	13.12	90.00	6.1	33.42	8.0	25.1	0.82
F31	03 Nov 2017	61	13.12	89.98	6.1	33.42	8.0	25.1	0.82
F31	03 Nov 2017	62	13.12	90.00	6.1	33.42	8.0	25.1	0.82
F31	03 Nov 2017	63	13.12	89.98	6.1	33.42	8.0	25.1	0.81
F31	03 Nov 2017	64	13.11	90.00	6.1	33.42	8.0	25.1	0.81
F31	03 Nov 2017	65	13.11	89.98	6.2	33.42	8.0	25.1	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	03 Nov 2017	66	13.10	89.98	6.2	33.42	8.0	25.1	0.80
F31	03 Nov 2017	67	13.08	89.98	6.2	33.41	8.0	25.1	0.79
F31	03 Nov 2017	68	13.02	89.99	6.2	33.41	8.0	25.2	0.77
F31	03 Nov 2017	69	12.96	90.10	6.3	33.41	8.0	25.2	0.76
F31	03 Nov 2017	70	12.95	90.17	6.3	33.41	8.0	25.2	0.74
F31	03 Nov 2017	71	12.94	90.16	6.3	33.41	8.0	25.2	0.74
F31	03 Nov 2017	72	12.94	90.15	6.2	33.41	8.0	25.2	0.74
F31	03 Nov 2017	73	12.94	90.15	6.1	33.41	8.0	25.2	0.74
F31	03 Nov 2017	74	12.94	90.15	6.0	33.42	8.0	25.2	0.71
F31	03 Nov 2017	75	12.93	90.15	6.0	33.42	8.0	25.2	0.71
F31	03 Nov 2017	76	12.93	90.12	6.0	33.42	8.0	25.2	0.72
F31	03 Nov 2017	77	12.93	90.13	6.0	33.42	8.0	25.2	0.70
F31	03 Nov 2017	78	12.90	90.18	5.9	33.43	8.0	25.2	0.69
F31	03 Nov 2017	79	12.85	90.21	5.8	33.43	7.9	25.2	0.65
F31	03 Nov 2017	80	12.81	90.21	5.8	33.43	7.9	25.2	0.64
F31	03 Nov 2017	81	12.80	90.17	5.8	33.43	7.9	25.2	0.62
F31	03 Nov 2017	82	12.77	90.17	5.8	33.44	7.9	25.2	0.61
F31	03 Nov 2017	83	12.74	90.14	5.8	33.44	7.9	25.2	0.59
F31	03 Nov 2017	84	12.73	90.08	5.7	33.44	7.9	25.2	0.58
F31	03 Nov 2017	85	12.73	90.04	5.7	33.44	7.9	25.2	0.58
F31	03 Nov 2017	86	12.72	90.07	5.7	33.44	7.9	25.2	0.58
F31	03 Nov 2017	87	12.71	90.08	5.7	33.44	7.9	25.2	0.57
F31	03 Nov 2017	88	12.68	90.20	5.7	33.44	7.9	25.2	0.55
F31	03 Nov 2017	89	12.64	90.27	5.6	33.45	7.9	25.3	0.54
F31	03 Nov 2017	90	12.63	90.33	5.6	33.45	7.9	25.3	0.54
F31	03 Nov 2017	91	12.60	90.36	5.6	33.45	7.9	25.3	0.54
F31	03 Nov 2017	92	12.55	90.42	5.7	33.44	7.9	25.3	0.53
F31	03 Nov 2017	93	12.54	90.30	5.5	33.45	7.9	25.3	0.50
F31	03 Nov 2017	94	12.49	89.81	5.4	33.46	7.9	25.3	0.48
F31	03 Nov 2017	95	12.43	89.29	5.4	33.46	7.9	25.3	0.48
F31	03 Nov 2017	96	12.37	89.13	5.3	33.47	7.9	25.3	0.48
F31	03 Nov 2017	97	12.26	88.59	5.2	33.48	7.9	25.4	0.46
F31	03 Nov 2017	98	12.24	88.16	5.2	33.48	7.9	25.4	0.46
F31	03 Nov 2017	99	12.21	87.89	5.2	33.48	7.9	25.4	0.45
F31	03 Nov 2017	100	12.20	87.59	5.1	33.48	7.9	25.4	0.45
F32	03 Nov 2017	1	19.19	89.48	7.8	33.51	8.2	23.8	0.35
F32	03 Nov 2017	2	19.18	89.54	7.8	33.51	8.2	23.8	0.34
F32	03 Nov 2017	3	19.17	89.52	7.8	33.51	8.2	23.8	0.36
F32	03 Nov 2017	4	19.17	89.51	7.8	33.51	8.2	23.8	0.38
F32	03 Nov 2017	5	19.17	89.47	7.8	33.51	8.2	23.8	0.37
F32	03 Nov 2017	6	19.16	89.49	7.8	33.51	8.2	23.8	0.38
F32	03 Nov 2017	7	19.16	89.47	7.8	33.51	8.2	23.8	0.39
F32	03 Nov 2017	8	19.16	89.46	7.8	33.51	8.2	23.8	0.41
F32	03 Nov 2017	9	19.15	89.47	7.8	33.51	8.2	23.8	0.42
F32	03 Nov 2017	10	19.14	89.46	7.8	33.51	8.2	23.8	0.44
F32	03 Nov 2017	11	18.97	89.43	7.8	33.52	8.2	23.9	0.46
F32	03 Nov 2017	12	18.50	89.32	7.9	33.49	8.2	24.0	0.47
F32	03 Nov 2017	13	18.13	89.28	8.0	33.47	8.2	24.1	0.50
F32	03 Nov 2017	14	17.86	89.38	8.0	33.45	8.2	24.1	0.54
F32	03 Nov 2017	15	17.67	89.40	8.1	33.42	8.2	24.1	0.57
F32	03 Nov 2017	16	17.63	89.42	8.1	33.42	8.2	24.1	0.58
F32	03 Nov 2017	17	17.45	89.40	8.1	33.42	8.2	24.2	0.61
F32	03 Nov 2017	18	17.04	89.30	8.1	33.41	8.2	24.3	0.66
F32	03 Nov 2017	19	16.63	88.98	8.2	33.39	8.2	24.4	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	03 Nov 2017	20	16.39	89.09	8.2	33.37	8.1	24.4	0.80
F32	03 Nov 2017	21	16.32	89.04	8.2	33.36	8.1	24.4	0.85
F32	03 Nov 2017	22	16.30	88.95	8.2	33.36	8.1	24.4	0.92
F32	03 Nov 2017	23	16.26	88.88	8.2	33.36	8.1	24.4	0.97
F32	03 Nov 2017	24	16.20	88.81	8.2	33.36	8.1	24.4	1.01
F32	03 Nov 2017	25	16.09	88.84	8.2	33.37	8.1	24.5	1.13
F32	03 Nov 2017	26	15.84	88.18	8.1	33.37	8.1	24.5	1.53
F32	03 Nov 2017	27	15.69	87.13	8.1	33.37	8.1	24.6	1.97
F32	03 Nov 2017	28	15.56	87.22	8.1	33.37	8.1	24.6	2.21
F32	03 Nov 2017	29	15.39	87.40	8.0	33.37	8.1	24.6	2.24
F32	03 Nov 2017	30	15.15	87.73	7.8	33.37	8.1	24.7	2.16
F32	03 Nov 2017	31	15.02	88.01	7.8	33.37	8.1	24.7	2.04
F32	03 Nov 2017	32	14.89	88.28	7.8	33.37	8.1	24.7	1.94
F32	03 Nov 2017	33	14.77	88.50	7.7	33.37	8.1	24.8	1.87
F32	03 Nov 2017	34	14.69	88.64	7.6	33.37	8.1	24.8	1.80
F32	03 Nov 2017	35	14.57	88.73	7.6	33.37	8.1	24.8	1.74
F32	03 Nov 2017	36	14.50	88.88	7.6	33.37	8.1	24.8	1.66
F32	03 Nov 2017	37	14.41	89.02	7.5	33.37	8.1	24.8	1.62
F32	03 Nov 2017	38	14.34	89.09	7.4	33.37	8.1	24.9	1.58
F32	03 Nov 2017	39	14.15	89.26	7.4	33.38	8.1	24.9	1.48
F32	03 Nov 2017	40	14.05	89.49	7.3	33.37	8.1	24.9	1.38
F32	03 Nov 2017	41	13.83	89.75	7.2	33.39	8.1	25.0	1.27
F32	03 Nov 2017	42	13.69	89.95	7.1	33.38	8.1	25.0	1.17
F32	03 Nov 2017	43	13.64	90.04	7.0	33.38	8.1	25.0	1.12
F32	03 Nov 2017	44	13.52	90.12	6.9	33.40	8.0	25.0	1.06
F32	03 Nov 2017	45	13.38	90.16	6.7	33.40	8.0	25.1	1.00
F32	03 Nov 2017	46	13.33	90.11	6.5	33.40	8.0	25.1	0.95
F32	03 Nov 2017	47	13.32	90.09	6.4	33.41	8.0	25.1	0.91
F32	03 Nov 2017	48	13.31	89.99	6.4	33.41	8.0	25.1	0.89
F32	03 Nov 2017	49	13.29	89.99	6.3	33.41	8.0	25.1	0.89
F32	03 Nov 2017	50	13.27	89.99	6.3	33.41	8.0	25.1	0.88
F32	03 Nov 2017	51	13.25	89.98	6.3	33.41	8.0	25.1	0.87
F32	03 Nov 2017	52	13.24	90.02	6.3	33.41	8.0	25.1	0.87
F32	03 Nov 2017	53	13.24	90.05	6.3	33.41	8.0	25.1	0.86
F32	03 Nov 2017	54	13.25	90.08	6.3	33.41	8.0	25.1	0.86
F32	03 Nov 2017	55	13.25	90.03	6.3	33.41	8.0	25.1	0.87
F32	03 Nov 2017	56	13.21	90.12	6.3	33.41	8.0	25.1	0.86
F32	03 Nov 2017	57	13.16	90.14	6.2	33.42	8.0	25.1	0.84
F32	03 Nov 2017	58	13.11	90.15	6.2	33.42	8.0	25.1	0.81
F32	03 Nov 2017	59	13.09	90.13	6.1	33.42	8.0	25.2	0.78
F32	03 Nov 2017	60	13.09	90.07	6.1	33.42	8.0	25.2	0.77
F32	03 Nov 2017	61	13.09	90.08	6.1	33.42	8.0	25.2	0.77
F32	03 Nov 2017	62	13.07	90.09	6.1	33.42	8.0	25.2	0.75
F32	03 Nov 2017	63	13.04	90.05	6.1	33.42	8.0	25.2	0.74
F32	03 Nov 2017	64	13.03	90.04	6.1	33.42	8.0	25.2	0.74
F32	03 Nov 2017	65	13.03	90.03	6.1	33.41	8.0	25.2	0.73
F32	03 Nov 2017	66	13.02	90.03	6.1	33.41	8.0	25.2	0.73
F32	03 Nov 2017	67	12.98	90.06	6.1	33.42	8.0	25.2	0.72
F32	03 Nov 2017	68	12.91	90.13	6.1	33.42	8.0	25.2	0.68
F32	03 Nov 2017	69	12.82	89.83	5.8	33.42	8.0	25.2	0.64
F32	03 Nov 2017	70	12.80	89.43	5.7	33.41	7.9	25.2	0.61
F32	03 Nov 2017	71	12.76	89.31	5.6	33.41	7.9	25.2	0.58
F32	03 Nov 2017	72	12.73	89.10	5.6	33.40	7.9	25.2	0.57
F32	03 Nov 2017	73	12.72	89.05	5.6	33.40	7.9	25.2	0.56
F32	03 Nov 2017	74	12.71	88.99	5.6	33.40	7.9	25.2	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	03 Nov 2017	75	12.75	89.05	5.6	33.41	7.9	25.2	0.56
F32	03 Nov 2017	76	12.75	89.49	5.7	33.41	7.9	25.2	0.56
F32	03 Nov 2017	77	12.73	89.57	5.6	33.41	7.9	25.2	0.55
F32	03 Nov 2017	78	12.74	89.43	5.7	33.41	7.9	25.2	0.55
F32	03 Nov 2017	79	12.73	89.31	5.7	33.41	7.9	25.2	0.56
F32	03 Nov 2017	80	12.77	89.68	5.7	33.41	7.9	25.2	0.56
F32	03 Nov 2017	81	12.77	89.40	5.7	33.42	7.9	25.2	0.57
F32	03 Nov 2017	82	12.71	89.34	5.6	33.41	7.9	25.2	0.56
F32	03 Nov 2017	83	12.69	88.94	5.5	33.40	7.9	25.2	0.54
F32	03 Nov 2017	84	12.69	88.83	5.5	33.40	7.9	25.2	0.53
F32	03 Nov 2017	85	12.68	88.79	5.5	33.40	7.9	25.2	0.54
F32	03 Nov 2017	86	12.68	88.78	5.5	33.39	7.9	25.2	0.52
F32	03 Nov 2017	87	12.68	88.75	5.5	33.40	7.9	25.2	0.53
F32	03 Nov 2017	88	12.70	88.81	5.5	33.40	7.9	25.2	0.53
F32	03 Nov 2017	89	12.70	89.09	5.6	33.41	7.9	25.2	0.54
F32	03 Nov 2017	90	12.67	89.12	5.5	33.41	7.9	25.2	0.54
F32	03 Nov 2017	91	12.65	89.02	5.5	33.41	7.9	25.2	0.52
F32	03 Nov 2017	92	12.56	88.75	5.4	33.41	7.9	25.2	0.49
F32	03 Nov 2017	93	12.50	88.70	5.3	33.41	7.9	25.3	0.46
F32	03 Nov 2017	94	12.46	88.50	5.3	33.40	7.9	25.3	0.45
F32	03 Nov 2017	95	12.45	88.52	5.3	33.41	7.9	25.3	0.44
F32	03 Nov 2017	96	12.41	88.66	5.3	33.41	7.9	25.3	0.44
F32	03 Nov 2017	97	12.48	89.04	5.4	33.44	7.9	25.3	0.46
F32	03 Nov 2017	98	12.46	90.13	5.5	33.45	7.9	25.3	0.46
F32	03 Nov 2017	99	12.40	90.22	5.5	33.46	7.9	25.3	0.46
F32	03 Nov 2017	100	12.30	90.11	5.4	33.47	7.9	25.3	0.44
F32	03 Nov 2017	101	12.24	89.07	5.3	33.48	7.9	25.4	0.43
F32	03 Nov 2017	102	12.22	88.71	5.2	33.48	7.9	25.4	0.42
F33	03 Nov 2017	1	19.12	89.42	7.7	33.50	8.2	23.8	0.37
F33	03 Nov 2017	2	19.12	89.49	7.8	33.50	8.2	23.8	0.37
F33	03 Nov 2017	3	19.11	89.51	7.8	33.50	8.2	23.8	0.39
F33	03 Nov 2017	4	19.11	89.54	7.8	33.50	8.2	23.8	0.38
F33	03 Nov 2017	5	19.11	89.46	7.8	33.50	8.2	23.8	0.40
F33	03 Nov 2017	6	19.11	89.50	7.8	33.50	8.2	23.8	0.41
F33	03 Nov 2017	7	19.10	89.51	7.8	33.50	8.2	23.9	0.43
F33	03 Nov 2017	8	19.10	89.52	7.8	33.50	8.2	23.9	0.44
F33	03 Nov 2017	9	19.08	89.48	7.8	33.50	8.2	23.9	0.46
F33	03 Nov 2017	10	18.96	89.49	7.8	33.50	8.2	23.9	0.47
F33	03 Nov 2017	11	18.58	89.37	7.9	33.50	8.2	24.0	0.48
F33	03 Nov 2017	12	18.14	89.40	8.0	33.46	8.2	24.1	0.50
F33	03 Nov 2017	13	17.95	89.46	8.1	33.44	8.2	24.1	0.51
F33	03 Nov 2017	14	17.74	89.53	8.1	33.43	8.2	24.1	0.53
F33	03 Nov 2017	15	17.62	89.53	8.1	33.42	8.2	24.2	0.55
F33	03 Nov 2017	16	17.48	89.59	8.1	33.42	8.2	24.2	0.56
F33	03 Nov 2017	17	17.33	89.55	8.1	33.41	8.2	24.2	0.59
F33	03 Nov 2017	18	17.30	89.56	8.1	33.40	8.2	24.2	0.62
F33	03 Nov 2017	19	17.29	89.56	8.1	33.40	8.2	24.2	0.64
F33	03 Nov 2017	20	17.28	89.57	8.0	33.40	8.2	24.2	0.66
F33	03 Nov 2017	21	16.91	89.55	8.0	33.42	8.2	24.3	0.70
F33	03 Nov 2017	22	16.36	89.57	8.2	33.39	8.1	24.4	0.74
F33	03 Nov 2017	23	16.24	89.45	8.2	33.36	8.1	24.4	0.80
F33	03 Nov 2017	24	16.23	89.39	8.3	33.35	8.1	24.4	0.83
F33	03 Nov 2017	25	16.23	89.31	8.3	33.36	8.1	24.4	0.85
F33	03 Nov 2017	26	16.16	89.30	8.2	33.36	8.1	24.5	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	03 Nov 2017	27	15.94	89.29	8.2	33.36	8.1	24.5	0.92
F33	03 Nov 2017	28	15.78	89.33	8.3	33.35	8.1	24.5	0.98
F33	03 Nov 2017	29	15.70	89.08	8.2	33.35	8.1	24.5	1.16
F33	03 Nov 2017	30	15.37	88.62	8.1	33.38	8.1	24.6	1.46
F33	03 Nov 2017	31	15.02	88.37	8.2	33.35	8.1	24.7	1.75
F33	03 Nov 2017	32	14.93	88.48	8.1	33.35	8.1	24.7	1.84
F33	03 Nov 2017	33	14.88	88.42	8.0	33.35	8.1	24.7	1.87
F33	03 Nov 2017	34	14.77	88.29	7.9	33.36	8.1	24.8	1.89
F33	03 Nov 2017	35	14.57	88.84	7.8	33.36	8.1	24.8	1.81
F33	03 Nov 2017	36	14.48	88.96	7.7	33.36	8.1	24.8	1.75
F33	03 Nov 2017	37	14.47	88.96	7.7	33.36	8.1	24.8	1.71
F33	03 Nov 2017	38	14.45	88.95	7.6	33.36	8.1	24.8	1.68
F33	03 Nov 2017	39	14.36	89.03	7.4	33.37	8.1	24.9	1.66
F33	03 Nov 2017	40	14.28	89.10	7.2	33.37	8.1	24.9	1.60
F33	03 Nov 2017	41	14.21	89.12	7.2	33.38	8.1	24.9	1.58
F33	03 Nov 2017	42	14.07	89.23	7.2	33.37	8.1	24.9	1.53
F33	03 Nov 2017	43	13.94	89.51	7.1	33.38	8.1	24.9	1.44
F33	03 Nov 2017	44	13.68	89.76	7.0	33.39	8.1	25.0	1.33
F33	03 Nov 2017	45	13.56	89.87	6.7	33.39	8.0	25.0	1.18
F33	03 Nov 2017	46	13.34	89.98	6.5	33.41	8.0	25.1	1.05
F33	03 Nov 2017	47	13.27	90.06	6.4	33.41	8.0	25.1	0.94
F33	03 Nov 2017	48	13.25	90.07	6.4	33.41	8.0	25.1	0.90
F33	03 Nov 2017	49	13.22	90.02	6.4	33.41	8.0	25.1	0.92
F33	03 Nov 2017	50	13.20	90.06	6.3	33.41	8.0	25.1	0.88
F33	03 Nov 2017	51	13.15	90.05	6.2	33.42	8.0	25.1	0.86
F33	03 Nov 2017	52	13.10	90.12	6.2	33.42	8.0	25.1	0.81
F33	03 Nov 2017	53	13.10	90.10	6.1	33.42	8.0	25.1	0.79
F33	03 Nov 2017	54	13.06	90.08	6.1	33.42	8.0	25.2	0.76
F33	03 Nov 2017	55	13.04	90.08	6.1	33.42	8.0	25.2	0.74
F33	03 Nov 2017	56	13.04	90.05	6.1	33.42	8.0	25.2	0.74
F33	03 Nov 2017	57	13.03	90.04	6.1	33.42	8.0	25.2	0.76
F33	03 Nov 2017	58	13.03	90.06	6.1	33.42	8.0	25.2	0.73
F33	03 Nov 2017	59	13.03	90.08	6.0	33.42	8.0	25.2	0.73
F33	03 Nov 2017	60	13.03	90.10	6.0	33.42	8.0	25.2	0.73
F33	03 Nov 2017	61	13.02	90.11	6.0	33.42	8.0	25.2	0.73
F33	03 Nov 2017	62	13.02	90.11	6.0	33.42	8.0	25.2	0.72
F33	03 Nov 2017	63	13.02	90.11	6.0	33.42	8.0	25.2	0.71
F33	03 Nov 2017	64	13.00	90.11	6.1	33.42	8.0	25.2	0.73
F33	03 Nov 2017	65	12.98	90.10	6.1	33.42	8.0	25.2	0.72
F33	03 Nov 2017	66	12.96	90.13	6.1	33.41	8.0	25.2	0.70
F33	03 Nov 2017	67	12.92	90.11	6.0	33.42	8.0	25.2	0.69
F33	03 Nov 2017	68	12.86	90.11	6.0	33.42	8.0	25.2	0.65
F33	03 Nov 2017	69	12.85	90.03	5.9	33.42	8.0	25.2	0.63
F33	03 Nov 2017	70	12.85	90.00	5.9	33.42	8.0	25.2	0.64
F33	03 Nov 2017	71	12.84	89.98	5.9	33.42	8.0	25.2	0.62
F33	03 Nov 2017	72	12.84	89.95	5.9	33.42	8.0	25.2	0.66
F33	03 Nov 2017	73	12.83	89.90	5.9	33.42	7.9	25.2	0.62
F33	03 Nov 2017	74	12.83	89.82	5.9	33.42	7.9	25.2	0.61
F33	03 Nov 2017	75	12.81	89.78	5.8	33.41	7.9	25.2	0.61
F33	03 Nov 2017	76	12.75	89.59	5.8	33.41	7.9	25.2	0.59
F33	03 Nov 2017	77	12.69	89.32	5.7	33.41	7.9	25.2	0.58
F33	03 Nov 2017	78	12.65	89.18	5.6	33.41	7.9	25.2	0.53
F33	03 Nov 2017	79	12.62	89.15	5.6	33.41	7.9	25.2	0.52
F33	03 Nov 2017	80	12.59	89.26	5.6	33.41	7.9	25.2	0.51
F33	03 Nov 2017	81	12.58	89.33	5.6	33.41	7.9	25.2	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	03 Nov 2017	82	12.58	89.34	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	83	12.57	89.41	5.6	33.41	7.9	25.2	0.51
F33	03 Nov 2017	84	12.57	89.40	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	85	12.57	89.43	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	86	12.57	89.41	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	87	12.56	89.46	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	88	12.56	89.41	5.6	33.41	7.9	25.2	0.50
F33	03 Nov 2017	89	12.55	89.49	5.6	33.42	7.9	25.3	0.49
F33	03 Nov 2017	90	12.56	89.56	5.7	33.42	7.9	25.3	0.50
F33	03 Nov 2017	91	12.54	89.88	5.7	33.43	7.9	25.3	0.50
F33	03 Nov 2017	92	12.51	90.02	5.7	33.44	7.9	25.3	0.51
F33	03 Nov 2017	93	12.50	90.00	5.7	33.44	7.9	25.3	0.50
F33	03 Nov 2017	94	12.48	89.98	5.6	33.44	7.9	25.3	0.50
F33	03 Nov 2017	95	12.48	89.78	5.6	33.44	7.9	25.3	0.49
F33	03 Nov 2017	96	12.45	89.70	5.6	33.44	7.9	25.3	0.49
F33	03 Nov 2017	97	12.42	89.65	5.5	33.43	7.9	25.3	0.47
F33	03 Nov 2017	98	12.43	89.51	5.5	33.43	7.9	25.3	0.48
F33	03 Nov 2017	99	12.46	89.98	5.4	33.46	7.9	25.3	0.50
F33	03 Nov 2017	100	12.42	90.37	5.4	33.46	7.9	25.3	0.50
F33	03 Nov 2017	101	12.24	90.15	5.3	33.49	7.9	25.4	0.47
F33	03 Nov 2017	102	12.15	88.71	5.2	33.49	7.9	25.4	0.44
F34	03 Nov 2017	1	19.00	89.24	7.8	33.50	8.2	23.9	0.46
F34	03 Nov 2017	2	19.00	89.01	7.8	33.50	8.2	23.9	0.45
F34	03 Nov 2017	3	19.00	89.24	7.8	33.50	8.2	23.9	0.45
F34	03 Nov 2017	4	18.99	89.16	7.8	33.50	8.2	23.9	0.48
F34	03 Nov 2017	5	19.00	89.17	7.8	33.50	8.2	23.9	0.50
F34	03 Nov 2017	6	18.99	89.14	7.8	33.50	8.2	23.9	0.51
F34	03 Nov 2017	7	18.99	89.21	7.8	33.50	8.2	23.9	0.52
F34	03 Nov 2017	8	18.99	89.12	7.8	33.50	8.2	23.9	0.53
F34	03 Nov 2017	9	18.99	89.19	7.8	33.50	8.2	23.9	0.54
F34	03 Nov 2017	10	18.98	89.19	7.8	33.50	8.2	23.9	0.54
F34	03 Nov 2017	11	18.97	89.20	7.8	33.49	8.2	23.9	0.55
F34	03 Nov 2017	12	18.95	89.21	7.8	33.49	8.2	23.9	0.56
F34	03 Nov 2017	13	18.84	89.23	7.9	33.49	8.2	23.9	0.58
F34	03 Nov 2017	14	18.66	89.23	7.9	33.48	8.2	23.9	0.58
F34	03 Nov 2017	15	18.33	89.27	8.0	33.47	8.2	24.0	0.58
F34	03 Nov 2017	16	18.06	89.15	8.0	33.44	8.2	24.1	0.60
F34	03 Nov 2017	17	17.66	89.18	8.0	33.44	8.2	24.2	0.63
F34	03 Nov 2017	18	17.30	89.25	8.1	33.41	8.2	24.2	0.68
F34	03 Nov 2017	19	17.13	89.14	8.2	33.39	8.1	24.3	0.72
F34	03 Nov 2017	20	16.99	89.20	8.1	33.39	8.1	24.3	0.72
F34	03 Nov 2017	21	16.50	89.36	8.2	33.41	8.1	24.4	0.73
F34	03 Nov 2017	22	16.20	89.24	8.2	33.36	8.1	24.4	0.76
F34	03 Nov 2017	23	16.16	89.32	8.3	33.35	8.1	24.4	0.78
F34	03 Nov 2017	24	16.10	89.15	8.3	33.35	8.1	24.5	0.81
F34	03 Nov 2017	25	16.06	89.23	8.2	33.35	8.1	24.5	0.82
F34	03 Nov 2017	26	15.73	89.17	8.2	33.37	8.1	24.6	0.92
F34	03 Nov 2017	27	15.41	89.04	8.3	33.35	8.1	24.6	1.19
F34	03 Nov 2017	28	15.30	88.52	8.2	33.34	8.1	24.6	1.47
F34	03 Nov 2017	29	14.99	88.12	8.2	33.35	8.1	24.7	1.69
F34	03 Nov 2017	30	14.87	88.24	8.2	33.34	8.1	24.7	1.79
F34	03 Nov 2017	31	14.79	88.29	8.1	33.34	8.1	24.7	1.84
F34	03 Nov 2017	32	14.72	88.28	8.1	33.35	8.1	24.8	1.85
F34	03 Nov 2017	33	14.67	88.34	8.0	33.35	8.1	24.8	1.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	03 Nov 2017	34	14.64	88.46	7.9	33.35	8.1	24.8	1.82
F34	03 Nov 2017	35	14.52	88.48	7.7	33.36	8.1	24.8	1.79
F34	03 Nov 2017	36	14.41	88.41	7.5	33.37	8.1	24.8	1.77
F34	03 Nov 2017	37	14.30	88.56	7.3	33.37	8.1	24.9	1.73
F34	03 Nov 2017	38	14.24	88.70	7.3	33.37	8.1	24.9	1.68
F34	03 Nov 2017	39	14.10	88.93	7.3	33.37	8.1	24.9	1.61
F34	03 Nov 2017	40	13.96	89.04	7.2	33.38	8.1	24.9	1.53
F34	03 Nov 2017	41	13.87	89.31	7.2	33.37	8.1	25.0	1.45
F34	03 Nov 2017	42	13.84	89.34	7.1	33.37	8.1	25.0	1.44
F34	03 Nov 2017	43	13.72	89.47	7.0	33.38	8.0	25.0	1.39
F34	03 Nov 2017	44	13.62	89.60	6.9	33.38	8.0	25.0	1.25
F34	03 Nov 2017	45	13.53	89.63	6.7	33.39	8.0	25.0	1.16
F34	03 Nov 2017	46	13.33	89.69	6.6	33.40	8.0	25.1	1.10
F34	03 Nov 2017	47	13.28	89.82	6.6	33.40	8.0	25.1	1.01
F34	03 Nov 2017	48	13.23	89.84	6.5	33.40	8.0	25.1	0.95
F34	03 Nov 2017	49	13.19	89.76	6.3	33.41	8.0	25.1	0.94
F34	03 Nov 2017	50	13.14	89.76	6.3	33.41	8.0	25.1	0.88
F34	03 Nov 2017	51	13.14	89.73	6.3	33.41	8.0	25.1	0.86
F34	03 Nov 2017	52	13.14	89.65	6.2	33.41	8.0	25.1	0.85
F34	03 Nov 2017	53	13.11	89.73	6.2	33.42	8.0	25.1	0.82
F34	03 Nov 2017	54	13.09	89.81	6.1	33.42	8.0	25.2	0.79
F34	03 Nov 2017	55	13.08	89.83	6.1	33.42	8.0	25.2	0.78
F34	03 Nov 2017	56	13.08	89.83	6.1	33.42	8.0	25.2	0.78
F34	03 Nov 2017	57	13.06	89.83	6.1	33.42	8.0	25.2	0.78
F34	03 Nov 2017	58	13.04	89.81	6.1	33.42	8.0	25.2	0.76
F34	03 Nov 2017	59	13.01	89.82	6.0	33.43	8.0	25.2	0.75
F34	03 Nov 2017	60	13.00	89.81	6.0	33.42	8.0	25.2	0.73
F34	03 Nov 2017	61	13.00	89.84	6.0	33.42	8.0	25.2	0.72
F34	03 Nov 2017	62	12.99	89.82	6.0	33.42	8.0	25.2	0.72
F34	03 Nov 2017	63	12.99	89.85	6.0	33.42	8.0	25.2	0.71
F34	03 Nov 2017	64	12.99	89.82	6.0	33.43	8.0	25.2	0.71
F34	03 Nov 2017	65	12.99	89.85	6.0	33.43	8.0	25.2	0.71
F34	03 Nov 2017	66	12.99	89.86	6.0	33.43	8.0	25.2	0.70
F34	03 Nov 2017	67	12.97	89.87	6.0	33.42	8.0	25.2	0.69
F34	03 Nov 2017	68	12.92	89.84	6.1	33.42	8.0	25.2	0.68
F34	03 Nov 2017	69	12.89	89.87	6.0	33.42	8.0	25.2	0.65
F34	03 Nov 2017	70	12.86	89.83	6.0	33.42	8.0	25.2	0.64
F34	03 Nov 2017	71	12.84	89.71	5.9	33.42	8.0	25.2	0.62
F34	03 Nov 2017	72	12.78	89.62	5.8	33.42	7.9	25.2	0.61
F34	03 Nov 2017	73	12.71	89.41	5.8	33.41	7.9	25.2	0.58
F34	03 Nov 2017	74	12.67	89.14	5.7	33.41	7.9	25.2	0.57
F34	03 Nov 2017	75	12.66	89.01	5.6	33.41	7.9	25.2	0.55
F34	03 Nov 2017	76	12.66	89.05	5.6	33.41	7.9	25.2	0.55
F34	03 Nov 2017	77	12.67	88.96	5.6	33.42	7.9	25.2	0.55
F34	03 Nov 2017	78	12.67	88.99	5.6	33.42	7.9	25.2	0.56
F34	03 Nov 2017	79	12.64	89.01	5.6	33.43	7.9	25.2	0.56
F34	03 Nov 2017	80	12.63	89.01	5.6	33.43	7.9	25.3	0.54
F34	03 Nov 2017	81	12.62	89.03	5.6	33.43	7.9	25.3	0.55
F34	03 Nov 2017	82	12.62	89.07	5.6	33.43	7.9	25.3	0.54
F34	03 Nov 2017	83	12.62	89.03	5.6	33.43	7.9	25.3	0.55
F34	03 Nov 2017	84	12.62	89.08	5.6	33.43	7.9	25.3	0.54
F34	03 Nov 2017	85	12.61	89.10	5.5	33.43	7.9	25.3	0.54
F34	03 Nov 2017	86	12.55	89.11	5.5	33.44	7.9	25.3	0.52
F34	03 Nov 2017	87	12.53	89.18	5.5	33.44	7.9	25.3	0.53
F34	03 Nov 2017	88	12.48	89.41	5.5	33.44	7.9	25.3	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	03 Nov 2017	89	12.46	89.55	5.4	33.45	7.9	25.3	0.49
F34	03 Nov 2017	90	12.46	89.66	5.4	33.45	7.9	25.3	0.47
F34	03 Nov 2017	91	12.46	89.69	5.4	33.45	7.9	25.3	0.47
F34	03 Nov 2017	92	12.46	89.69	5.4	33.45	7.9	25.3	0.47
F34	03 Nov 2017	93	12.46	89.67	5.4	33.46	7.9	25.3	0.48
F34	03 Nov 2017	94	12.44	89.68	5.4	33.46	7.9	25.3	0.46
F34	03 Nov 2017	95	12.43	89.72	5.3	33.47	7.9	25.3	0.45
F34	03 Nov 2017	96	12.34	89.91	5.3	33.48	7.9	25.3	0.44
F34	03 Nov 2017	97	12.31	90.08	5.2	33.48	7.9	25.4	0.43
F34	03 Nov 2017	98	12.25	90.22	5.2	33.49	7.9	25.4	0.41
F34	03 Nov 2017	99	12.20	90.31	5.1	33.49	7.9	25.4	0.39
F34	03 Nov 2017	100	12.08	90.16	5.0	33.51	7.9	25.4	0.38
F34	03 Nov 2017	101	11.95	89.06	4.9	33.52	7.9	25.5	0.37
F34	03 Nov 2017	102	11.94	88.68	4.9	33.52	7.8	25.5	0.36
F35	03 Nov 2017	1	18.95	88.98	7.8	33.48	8.2	23.9	0.50
F35	03 Nov 2017	2	18.94	89.17	7.8	33.48	8.2	23.9	0.48
F35	03 Nov 2017	3	18.94	89.24	7.8	33.48	8.2	23.9	0.50
F35	03 Nov 2017	4	18.94	89.19	7.8	33.48	8.2	23.9	0.53
F35	03 Nov 2017	5	18.94	89.21	7.8	33.48	8.2	23.9	0.53
F35	03 Nov 2017	6	18.93	89.19	7.8	33.48	8.2	23.9	0.52
F35	03 Nov 2017	7	18.93	89.21	7.8	33.48	8.2	23.9	0.55
F35	03 Nov 2017	8	18.91	89.14	7.8	33.48	8.2	23.9	0.60
F35	03 Nov 2017	9	18.84	89.28	7.8	33.48	8.2	23.9	0.58
F35	03 Nov 2017	10	18.77	89.24	7.8	33.47	8.2	23.9	0.58
F35	03 Nov 2017	11	18.58	89.30	7.9	33.47	8.2	24.0	0.59
F35	03 Nov 2017	12	18.33	89.24	8.0	33.45	8.1	24.0	0.61
F35	03 Nov 2017	13	18.04	89.01	8.1	33.41	8.1	24.0	0.64
F35	03 Nov 2017	14	17.88	89.10	8.1	33.41	8.1	24.1	0.66
F35	03 Nov 2017	15	17.79	89.11	8.1	33.40	8.1	24.1	0.68
F35	03 Nov 2017	16	17.67	89.11	8.1	33.40	8.1	24.1	0.69
F35	03 Nov 2017	17	17.61	89.20	8.1	33.40	8.1	24.1	0.70
F35	03 Nov 2017	18	17.55	89.19	8.1	33.40	8.1	24.2	0.71
F35	03 Nov 2017	19	17.48	89.22	8.1	33.40	8.1	24.2	0.71
F35	03 Nov 2017	20	17.40	89.40	8.1	33.41	8.1	24.2	0.71
F35	03 Nov 2017	21	17.12	89.41	8.0	33.43	8.1	24.3	0.70
F35	03 Nov 2017	22	16.42	89.29	8.0	33.42	8.1	24.4	0.74
F35	03 Nov 2017	23	16.02	89.27	8.1	33.37	8.1	24.5	0.76
F35	03 Nov 2017	24	15.88	89.32	8.2	33.36	8.1	24.5	0.79
F35	03 Nov 2017	25	15.83	89.29	8.3	33.35	8.1	24.5	0.79
F35	03 Nov 2017	26	15.70	89.27	8.3	33.36	8.1	24.5	0.84
F35	03 Nov 2017	27	15.49	89.13	8.3	33.35	8.1	24.6	0.97
F35	03 Nov 2017	28	15.41	88.86	8.3	33.34	8.1	24.6	1.14
F35	03 Nov 2017	29	15.14	88.07	8.2	33.36	8.1	24.7	1.44
F35	03 Nov 2017	30	14.96	87.86	8.2	33.34	8.1	24.7	1.76
F35	03 Nov 2017	31	14.94	87.75	8.2	33.34	8.1	24.7	1.91
F35	03 Nov 2017	32	14.93	87.65	8.2	33.34	8.1	24.7	2.03
F35	03 Nov 2017	33	14.93	87.38	8.2	33.34	8.1	24.7	2.09
F35	03 Nov 2017	34	14.90	86.97	8.0	33.35	8.1	24.7	2.27
F35	03 Nov 2017	35	14.83	86.81	7.8	33.37	8.1	24.7	2.41
F35	03 Nov 2017	36	14.60	87.45	7.6	33.38	8.1	24.8	2.28
F35	03 Nov 2017	37	14.42	87.92	7.4	33.37	8.1	24.8	2.06
F35	03 Nov 2017	38	14.29	88.40	7.4	33.37	8.1	24.9	1.85
F35	03 Nov 2017	39	14.24	88.67	7.4	33.37	8.1	24.9	1.74
F35	03 Nov 2017	40	14.17	88.81	7.4	33.37	8.1	24.9	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	03 Nov 2017	41	14.12	88.98	7.3	33.37	8.1	24.9	1.84
F35	03 Nov 2017	42	14.08	89.15	7.3	33.37	8.1	24.9	1.55
F35	03 Nov 2017	43	14.00	89.39	7.4	33.36	8.1	24.9	1.44
F35	03 Nov 2017	44	13.96	89.53	7.4	33.36	8.1	24.9	1.39
F35	03 Nov 2017	45	13.91	89.61	7.4	33.36	8.1	24.9	1.32
F35	03 Nov 2017	46	13.84	89.66	7.3	33.37	8.1	25.0	1.30
F35	03 Nov 2017	47	13.72	89.74	7.2	33.37	8.0	25.0	1.23
F35	03 Nov 2017	48	13.60	89.84	7.2	33.37	8.0	25.0	1.14
F35	03 Nov 2017	49	13.58	89.90	7.1	33.37	8.0	25.0	1.10
F35	03 Nov 2017	50	13.54	89.93	6.8	33.38	8.0	25.0	1.06
F35	03 Nov 2017	51	13.49	90.05	6.5	33.40	8.0	25.1	1.01
F35	03 Nov 2017	52	13.33	90.08	6.3	33.41	8.0	25.1	0.95
F35	03 Nov 2017	53	13.19	89.68	6.3	33.40	8.0	25.1	0.88
F35	03 Nov 2017	54	13.16	89.59	6.3	33.40	8.0	25.1	0.85
F35	03 Nov 2017	55	13.13	89.54	6.2	33.41	8.0	25.1	0.80
F35	03 Nov 2017	56	13.07	89.38	6.1	33.41	8.0	25.1	0.78
F35	03 Nov 2017	57	13.03	89.34	6.0	33.41	8.0	25.2	0.74
F35	03 Nov 2017	58	13.01	89.42	6.0	33.41	8.0	25.2	0.72
F35	03 Nov 2017	59	12.97	89.60	6.0	33.42	8.0	25.2	0.70
F35	03 Nov 2017	60	12.95	89.52	6.0	33.42	8.0	25.2	0.69
F35	03 Nov 2017	61	12.94	89.63	6.0	33.42	8.0	25.2	0.68
F35	03 Nov 2017	62	12.94	89.76	5.9	33.42	7.9	25.2	0.68
F35	03 Nov 2017	63	12.93	89.77	5.9	33.42	7.9	25.2	0.67
F35	03 Nov 2017	64	12.92	89.74	5.9	33.42	7.9	25.2	0.66
F35	03 Nov 2017	65	12.92	89.77	5.9	33.42	7.9	25.2	0.66
F35	03 Nov 2017	66	12.92	89.81	5.9	33.42	7.9	25.2	0.66
F35	03 Nov 2017	67	12.92	89.80	5.9	33.42	7.9	25.2	0.69
F35	03 Nov 2017	68	12.91	89.76	5.9	33.42	7.9	25.2	0.68
F35	03 Nov 2017	69	12.91	89.72	5.9	33.42	7.9	25.2	0.66
F35	03 Nov 2017	70	12.89	89.62	5.9	33.42	7.9	25.2	0.65
F35	03 Nov 2017	71	12.81	89.78	5.8	33.44	7.9	25.2	0.62
F35	03 Nov 2017	72	12.77	89.87	5.7	33.44	7.9	25.2	0.59
F35	03 Nov 2017	73	12.74	89.90	5.7	33.44	7.9	25.2	0.58
F35	03 Nov 2017	74	12.73	89.88	5.6	33.44	7.9	25.2	0.57
F35	03 Nov 2017	75	12.72	89.89	5.6	33.44	7.9	25.2	0.56
F35	03 Nov 2017	76	12.71	89.80	5.6	33.44	7.9	25.2	0.56
F35	03 Nov 2017	77	12.68	89.70	5.6	33.44	7.9	25.2	0.58
F35	03 Nov 2017	78	12.65	89.58	5.6	33.44	7.9	25.2	0.54
F35	03 Nov 2017	79	12.64	89.52	5.6	33.43	7.9	25.2	0.55
F35	03 Nov 2017	80	12.64	89.54	5.6	33.44	7.9	25.3	0.56
F35	03 Nov 2017	81	12.62	89.44	5.6	33.43	7.9	25.3	0.55
F35	03 Nov 2017	82	12.61	89.41	5.6	33.43	7.9	25.3	0.55
F35	03 Nov 2017	83	12.59	89.38	5.6	33.44	7.9	25.3	0.54
F35	03 Nov 2017	84	12.58	89.41	5.6	33.44	7.9	25.3	0.53
F35	03 Nov 2017	85	12.57	89.46	5.5	33.44	7.9	25.3	0.52
F35	03 Nov 2017	86	12.56	89.55	5.5	33.44	7.9	25.3	0.51
F35	03 Nov 2017	87	12.53	89.48	5.5	33.45	7.9	25.3	0.49
F35	03 Nov 2017	88	12.49	89.48	5.5	33.45	7.9	25.3	0.49
F35	03 Nov 2017	89	12.43	89.39	5.4	33.46	7.9	25.3	0.47
F35	03 Nov 2017	90	12.35	89.29	5.4	33.46	7.9	25.3	0.46
F35	03 Nov 2017	91	12.32	89.23	5.3	33.46	7.9	25.3	0.44
F35	03 Nov 2017	92	12.30	89.23	5.3	33.47	7.9	25.3	0.44
F35	03 Nov 2017	93	12.22	89.10	5.2	33.48	7.9	25.4	0.43
F35	03 Nov 2017	94	12.12	88.97	5.2	33.49	7.9	25.4	0.42
F35	03 Nov 2017	95	12.02	88.85	5.0	33.51	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)
F35	03 Nov 2017	96	11.90	89.59	4.9	33.53	7.8	25.5	0.37
F35	03 Nov 2017	97	11.83	89.67	4.8	33.54	7.8	25.5	0.34
F35	03 Nov 2017	98	11.69	89.63	4.7	33.56	7.8	25.5	0.33
F35	03 Nov 2017	99	11.64	89.48	4.6	33.57	7.8	25.5	0.31
F35	03 Nov 2017	100	11.54	88.80	4.5	33.59	7.8	25.6	0.32
F35	03 Nov 2017	101	11.53	88.50	4.5	33.59	7.8	25.6	0.31
F36	03 Nov 2017	1	18.92	88.68	7.8	33.48	8.2	23.9	0.49
F36	03 Nov 2017	2	18.92	88.77	7.8	33.48	8.2	23.9	0.50
F36	03 Nov 2017	3	18.92	88.78	7.8	33.48	8.2	23.9	0.52
F36	03 Nov 2017	4	18.91	88.78	7.8	33.48	8.2	23.9	0.52
F36	03 Nov 2017	5	18.91	88.81	7.8	33.48	8.2	23.9	0.55
F36	03 Nov 2017	6	18.91	88.86	7.8	33.48	8.2	23.9	0.56
F36	03 Nov 2017	7	18.91	88.83	7.9	33.48	8.2	23.9	0.56
F36	03 Nov 2017	8	18.90	88.86	7.9	33.48	8.2	23.9	0.57
F36	03 Nov 2017	9	18.89	88.83	7.8	33.48	8.2	23.9	0.58
F36	03 Nov 2017	10	18.86	88.86	7.8	33.48	8.2	23.9	0.59
F36	03 Nov 2017	11	18.79	88.84	7.8	33.48	8.2	23.9	0.60
F36	03 Nov 2017	12	18.61	88.89	7.9	33.47	8.2	24.0	0.62
F36	03 Nov 2017	13	18.35	88.95	7.9	33.46	8.2	24.0	0.62
F36	03 Nov 2017	14	17.96	89.00	8.0	33.44	8.2	24.1	0.64
F36	03 Nov 2017	15	17.72	88.96	8.1	33.40	8.1	24.1	0.67
F36	03 Nov 2017	16	17.57	88.91	8.1	33.40	8.1	24.2	0.70
F36	03 Nov 2017	17	17.47	88.97	8.1	33.39	8.1	24.2	0.71
F36	03 Nov 2017	18	17.44	89.03	8.1	33.40	8.1	24.2	0.71
F36	03 Nov 2017	19	17.39	89.16	8.1	33.41	8.2	24.2	0.69
F36	03 Nov 2017	20	17.34	89.17	8.1	33.41	8.2	24.2	0.69
F36	03 Nov 2017	21	17.30	89.10	8.1	33.41	8.2	24.2	0.70
F36	03 Nov 2017	22	17.15	89.12	8.0	33.42	8.2	24.3	0.72
F36	03 Nov 2017	23	16.46	88.86	8.0	33.43	8.1	24.4	0.83
F36	03 Nov 2017	24	16.11	88.50	8.0	33.38	8.1	24.5	0.95
F36	03 Nov 2017	25	15.92	88.26	8.0	33.38	8.1	24.5	1.09
F36	03 Nov 2017	26	15.62	87.81	8.1	33.37	8.1	24.6	1.32
F36	03 Nov 2017	27	15.40	87.21	8.1	33.36	8.1	24.6	1.65
F36	03 Nov 2017	28	15.27	86.85	8.1	33.35	8.1	24.6	1.89
F36	03 Nov 2017	29	15.20	86.72	8.1	33.35	8.1	24.7	2.03
F36	03 Nov 2017	30	15.12	86.58	8.1	33.35	8.1	24.7	2.19
F36	03 Nov 2017	31	15.05	86.56	8.0	33.36	8.1	24.7	2.37
F36	03 Nov 2017	32	14.94	86.28	8.0	33.35	8.1	24.7	2.55
F36	03 Nov 2017	33	14.88	86.33	8.0	33.35	8.1	24.7	2.64
F36	03 Nov 2017	34	14.78	86.74	7.9	33.36	8.1	24.8	2.54
F36	03 Nov 2017	35	14.73	87.13	7.9	33.35	8.1	24.8	2.38
F36	03 Nov 2017	36	14.67	87.57	7.8	33.36	8.1	24.8	2.21
F36	03 Nov 2017	37	14.54	88.25	7.8	33.36	8.1	24.8	1.94
F36	03 Nov 2017	38	14.46	88.50	7.7	33.36	8.1	24.8	1.77
F36	03 Nov 2017	39	14.43	88.64	7.7	33.35	8.1	24.8	1.68
F36	03 Nov 2017	40	14.40	88.69	7.7	33.35	8.1	24.8	1.64
F36	03 Nov 2017	41	14.30	88.92	7.6	33.36	8.1	24.9	1.57
F36	03 Nov 2017	42	14.09	89.25	7.6	33.36	8.1	24.9	1.43
F36	03 Nov 2017	43	13.99	89.42	7.5	33.36	8.1	24.9	1.35
F36	03 Nov 2017	44	13.95	89.45	7.5	33.36	8.1	24.9	1.31
F36	03 Nov 2017	45	13.83	89.55	7.4	33.37	8.1	25.0	1.23
F36	03 Nov 2017	46	13.78	89.67	7.3	33.37	8.1	25.0	1.18
F36	03 Nov 2017	47	13.64	89.86	6.9	33.39	8.0	25.0	1.10
F36	03 Nov 2017	48	13.57	89.94	6.4	33.41	8.0	25.0	1.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	03 Nov 2017	49	13.50	90.06	6.3	33.41	8.0	25.1	0.94
F36	03 Nov 2017	50	13.40	90.14	6.3	33.41	8.0	25.1	0.89
F36	03 Nov 2017	51	13.34	90.18	6.3	33.41	8.0	25.1	0.85
F36	03 Nov 2017	52	13.29	90.15	6.3	33.41	8.0	25.1	0.83
F36	03 Nov 2017	53	13.27	90.21	6.3	33.40	8.0	25.1	0.82
F36	03 Nov 2017	54	13.24	90.24	6.3	33.40	8.0	25.1	0.80
F36	03 Nov 2017	55	13.09	90.22	6.3	33.41	8.0	25.1	0.77
F36	03 Nov 2017	56	13.05	90.06	6.2	33.41	8.0	25.1	0.75
F36	03 Nov 2017	57	13.05	90.07	6.2	33.41	8.0	25.1	0.73
F36	03 Nov 2017	58	13.04	90.06	6.2	33.41	8.0	25.2	0.72
F36	03 Nov 2017	59	13.01	90.10	6.2	33.41	8.0	25.2	0.71
F36	03 Nov 2017	60	12.99	90.05	6.1	33.41	8.0	25.2	0.69
F36	03 Nov 2017	61	12.96	89.84	5.9	33.42	8.0	25.2	0.70
F36	03 Nov 2017	62	12.93	89.82	5.8	33.43	8.0	25.2	0.64
F36	03 Nov 2017	63	12.89	89.79	5.8	33.43	7.9	25.2	0.64
F36	03 Nov 2017	64	12.88	89.72	5.7	33.43	7.9	25.2	0.62
F36	03 Nov 2017	65	12.88	89.74	5.7	33.43	7.9	25.2	0.62
F36	03 Nov 2017	66	12.85	89.77	5.7	33.43	7.9	25.2	0.61
F36	03 Nov 2017	67	12.84	89.79	5.7	33.44	7.9	25.2	0.61
F36	03 Nov 2017	68	12.83	89.82	5.7	33.44	7.9	25.2	0.59
F36	03 Nov 2017	69	12.80	89.82	5.7	33.44	7.9	25.2	0.58
F36	03 Nov 2017	70	12.77	89.80	5.7	33.44	7.9	25.2	0.56
F36	03 Nov 2017	71	12.76	89.77	5.6	33.44	7.9	25.2	0.57
F36	03 Nov 2017	72	12.76	89.73	5.6	33.44	7.9	25.2	0.55
F36	03 Nov 2017	73	12.76	89.72	5.6	33.44	7.9	25.2	0.55
F36	03 Nov 2017	74	12.74	89.70	5.6	33.44	7.9	25.2	0.54
F36	03 Nov 2017	75	12.73	89.70	5.6	33.44	7.9	25.2	0.54
F36	03 Nov 2017	76	12.68	89.71	5.6	33.45	7.9	25.3	0.52
F36	03 Nov 2017	77	12.67	89.69	5.6	33.45	7.9	25.3	0.51
F36	03 Nov 2017	78	12.64	89.72	5.6	33.45	7.9	25.3	0.50
F36	03 Nov 2017	79	12.63	89.73	5.5	33.45	7.9	25.3	0.49
F36	03 Nov 2017	80	12.62	89.74	5.5	33.45	7.9	25.3	0.49
F36	03 Nov 2017	81	12.61	89.63	5.5	33.45	7.9	25.3	0.49
F36	03 Nov 2017	82	12.57	89.63	5.5	33.45	7.9	25.3	0.48
F36	03 Nov 2017	83	12.48	89.70	5.4	33.46	7.9	25.3	0.47
F36	03 Nov 2017	84	12.42	89.86	5.4	33.47	7.9	25.3	0.45
F36	03 Nov 2017	85	12.39	89.86	5.3	33.47	7.9	25.3	0.44
F36	03 Nov 2017	86	12.35	89.63	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	87	12.35	89.49	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	88	12.34	89.41	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	89	12.34	89.39	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	90	12.33	89.35	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	91	12.31	89.19	5.3	33.47	7.9	25.3	0.43
F36	03 Nov 2017	92	12.30	89.03	5.3	33.47	7.9	25.3	0.44
F36	03 Nov 2017	93	12.29	88.97	5.3	33.47	7.9	25.3	0.44
F36	03 Nov 2017	94	12.28	88.91	5.3	33.47	7.9	25.3	0.45
F36	03 Nov 2017	95	12.23	88.85	5.2	33.48	7.9	25.4	0.45
F36	03 Nov 2017	96	12.15	88.82	5.2	33.49	7.9	25.4	0.46
F36	03 Nov 2017	97	12.04	88.82	5.0	33.50	7.9	25.4	0.43
F36	03 Nov 2017	98	11.83	89.01	4.9	33.54	7.8	25.5	0.40
F36	03 Nov 2017	99	11.76	89.02	4.7	33.55	7.8	25.5	0.37
F36	03 Nov 2017	100	11.62	88.52	4.6	33.58	7.8	25.6	0.34
F36	03 Nov 2017	101	11.62	88.31	4.6	33.57	7.8	25.6	0.35

NA = not available

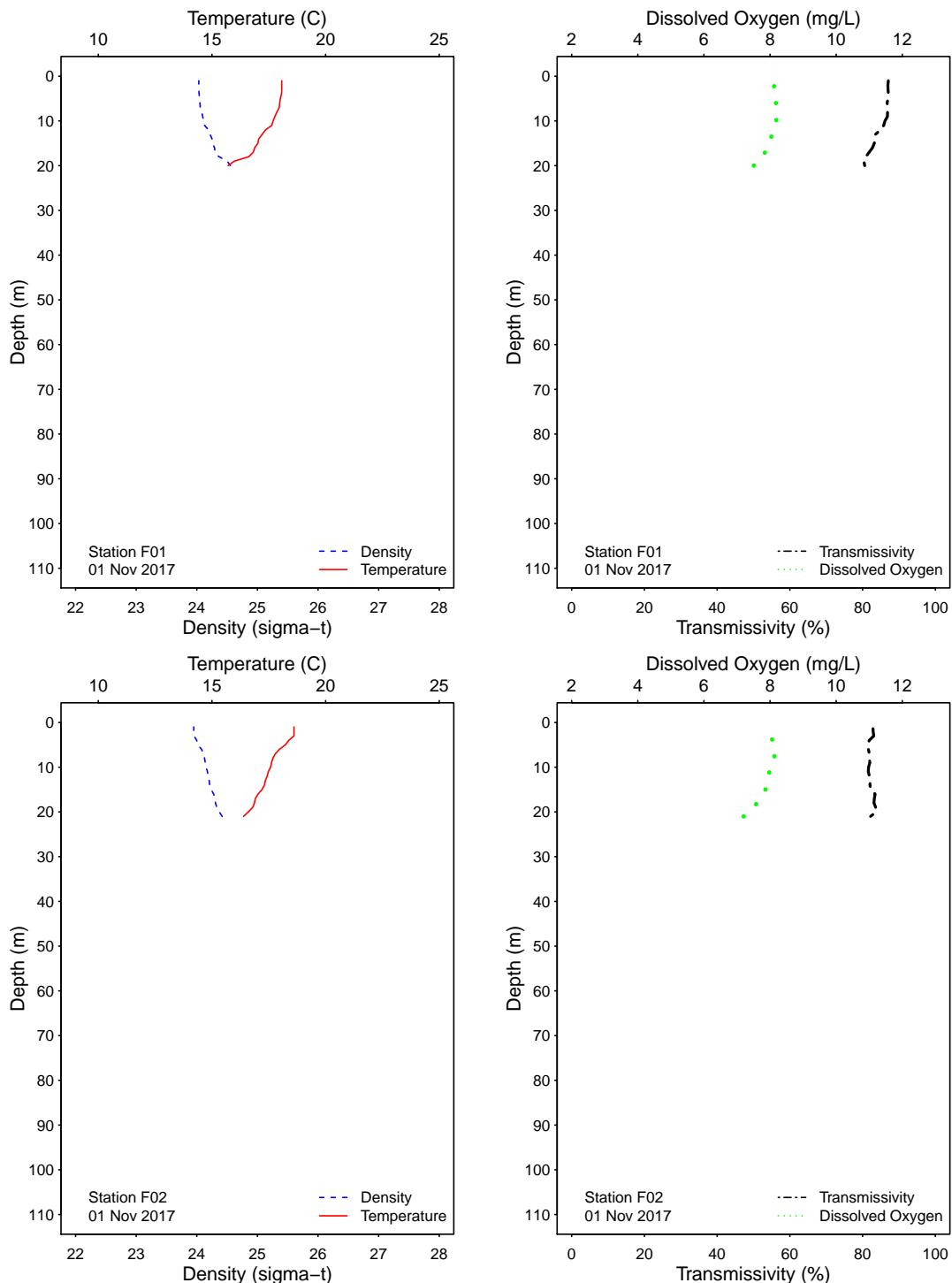


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

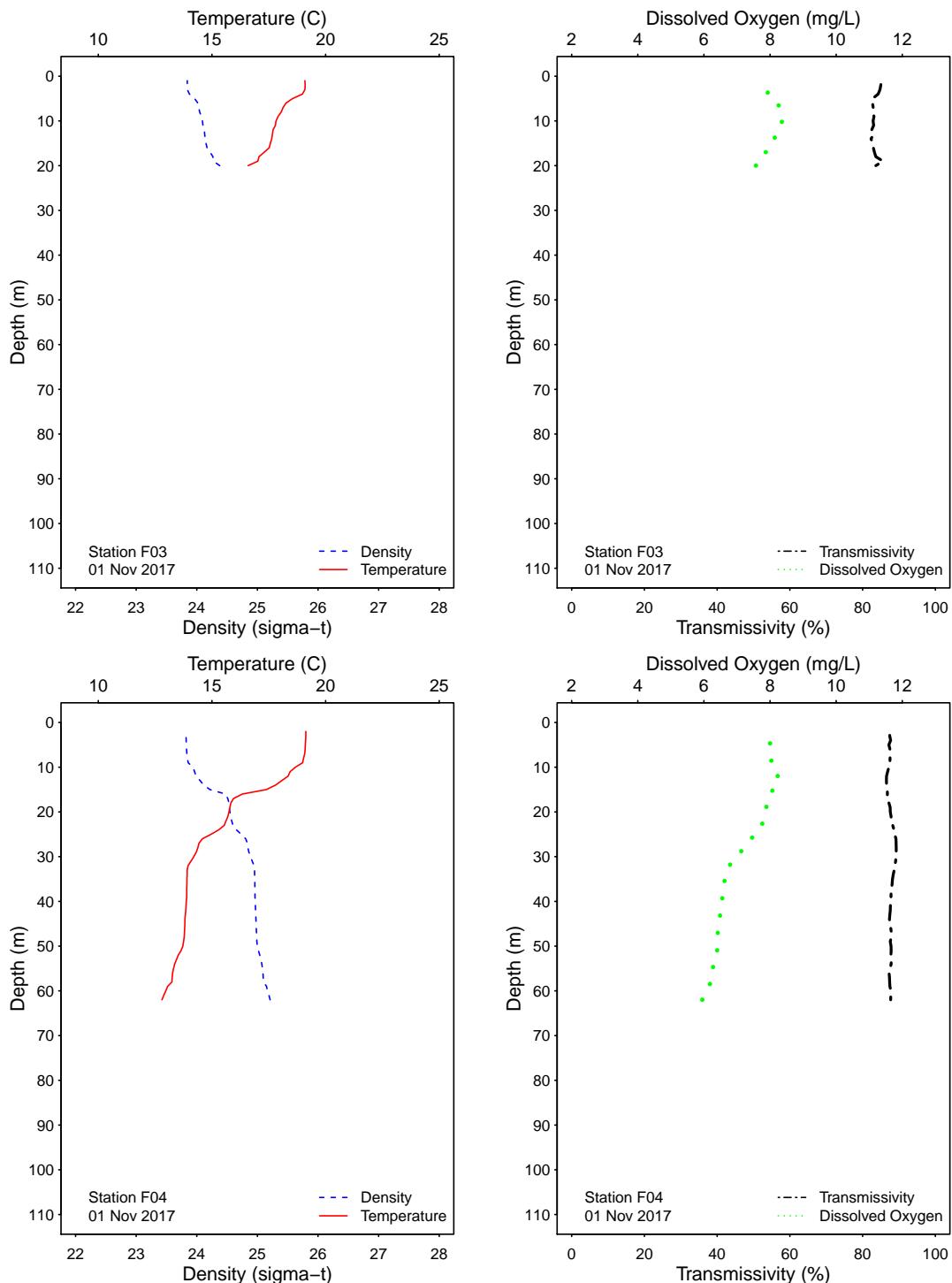


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

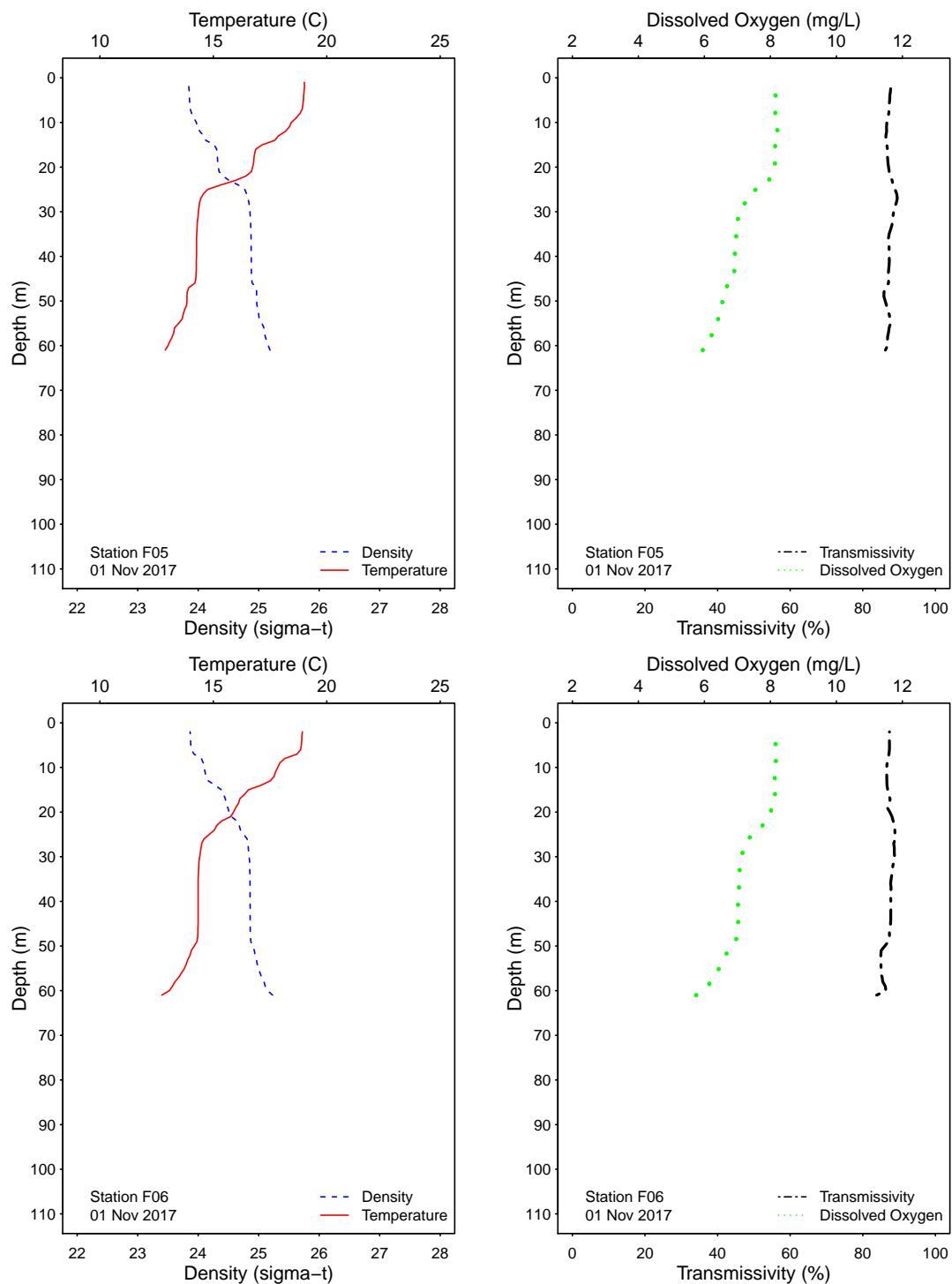


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

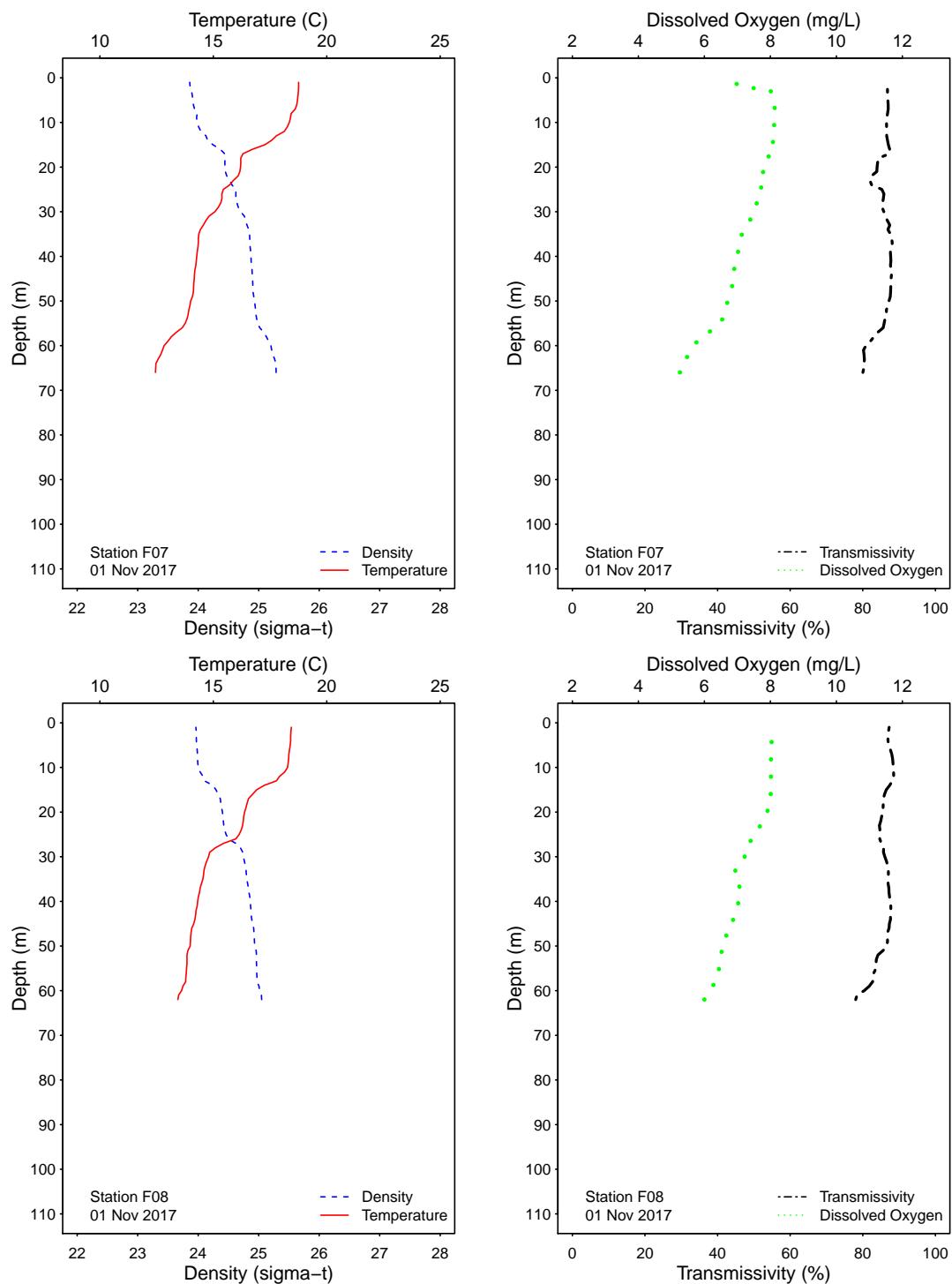


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

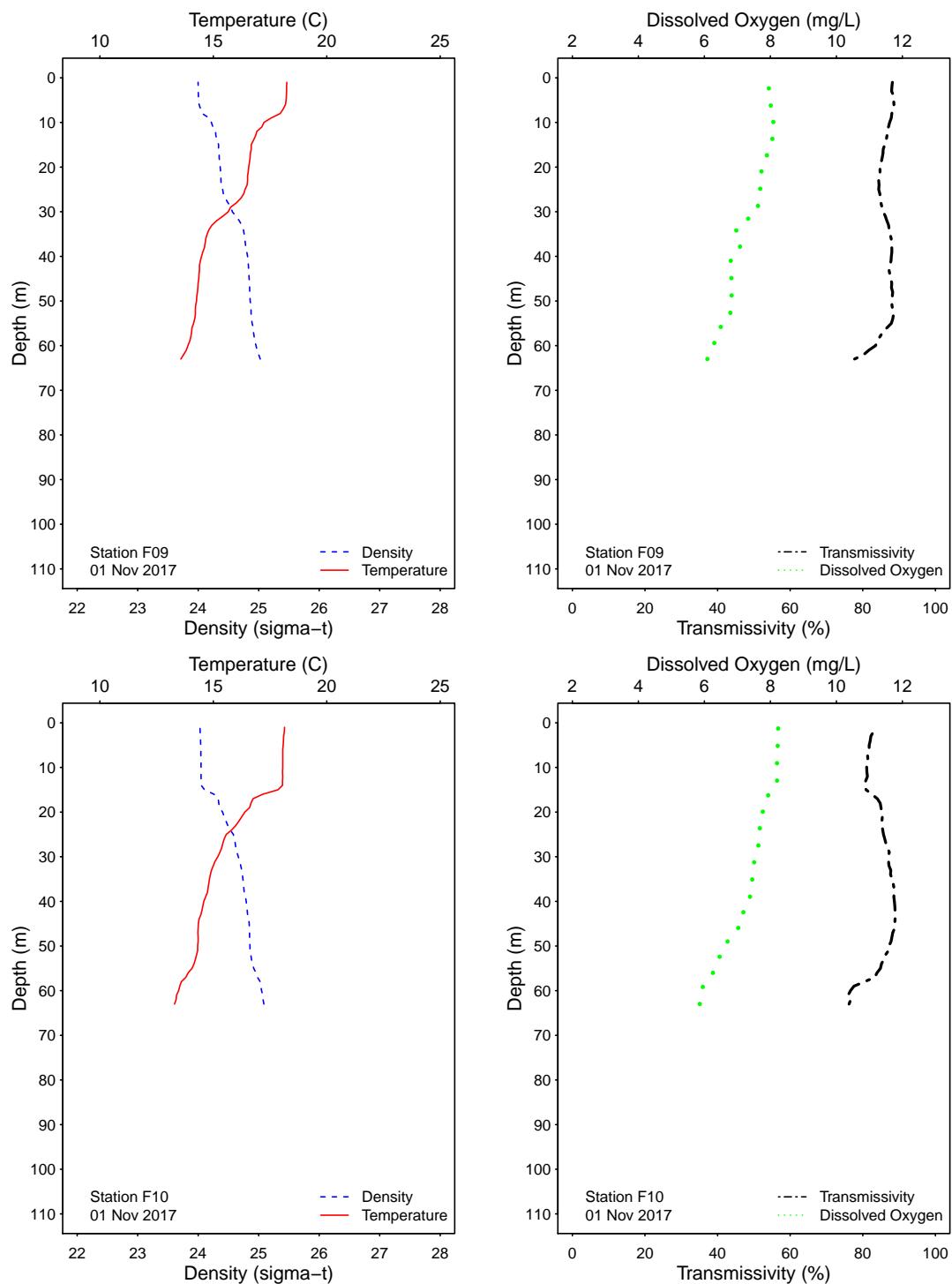


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

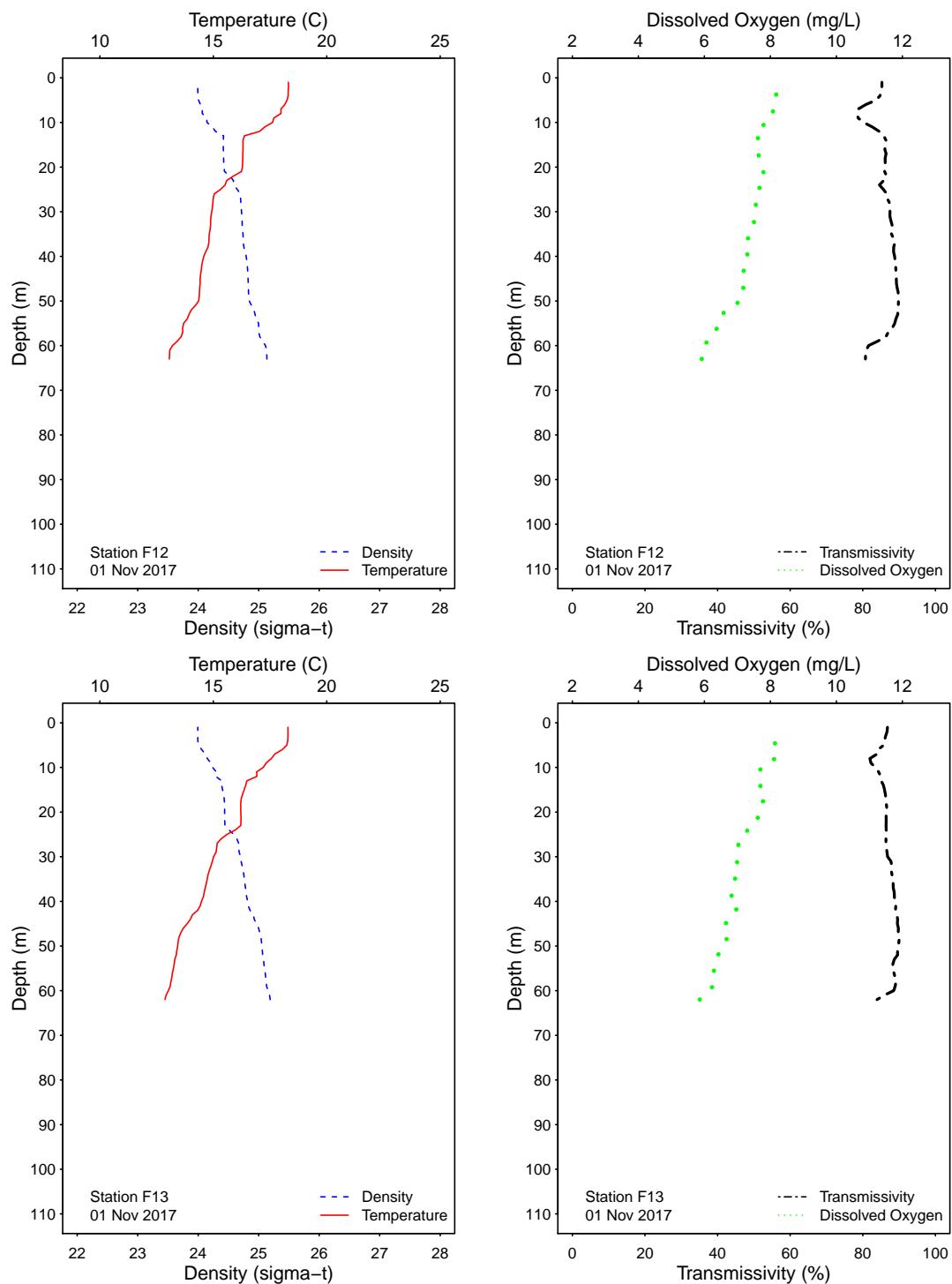


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

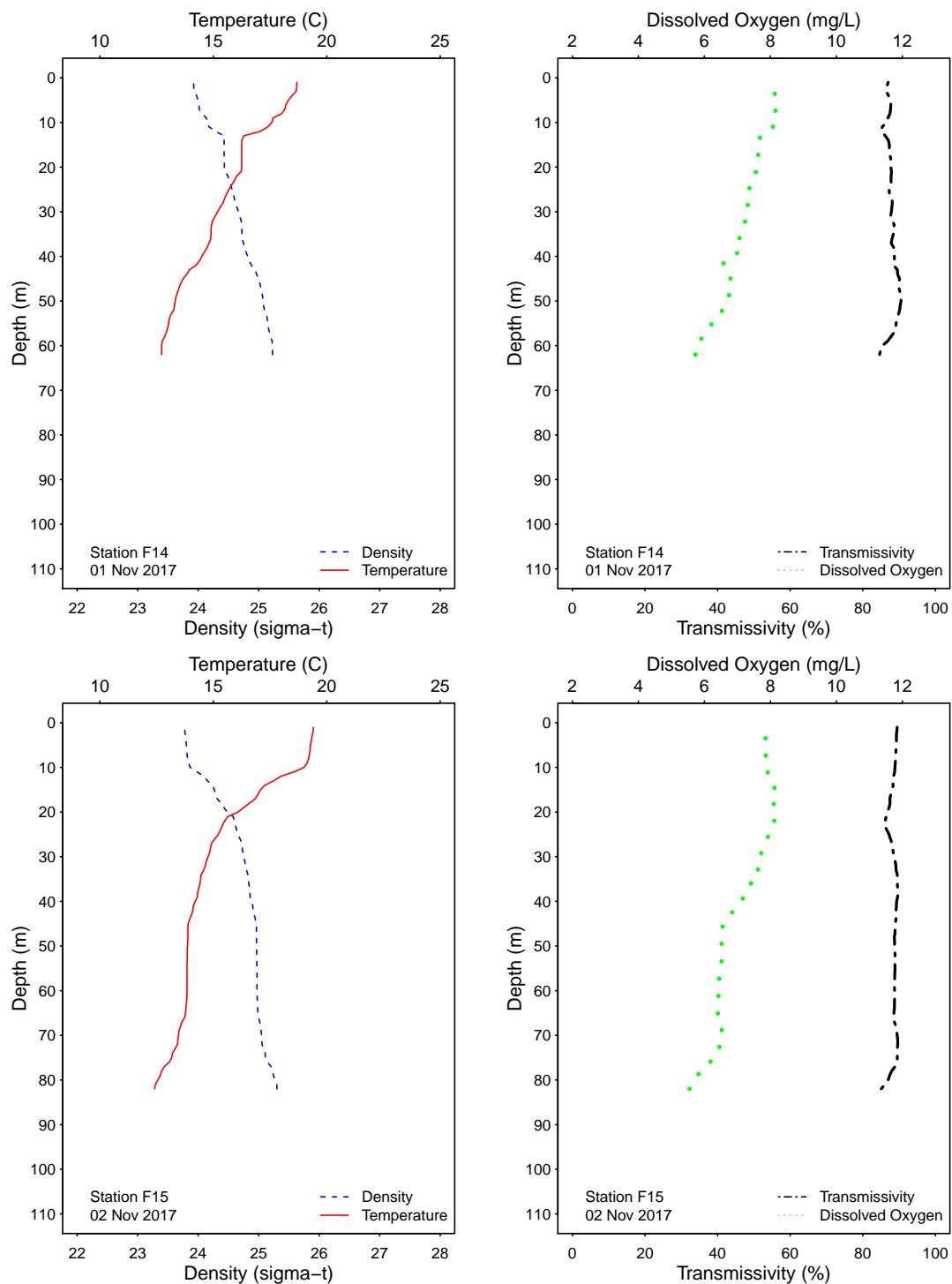


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

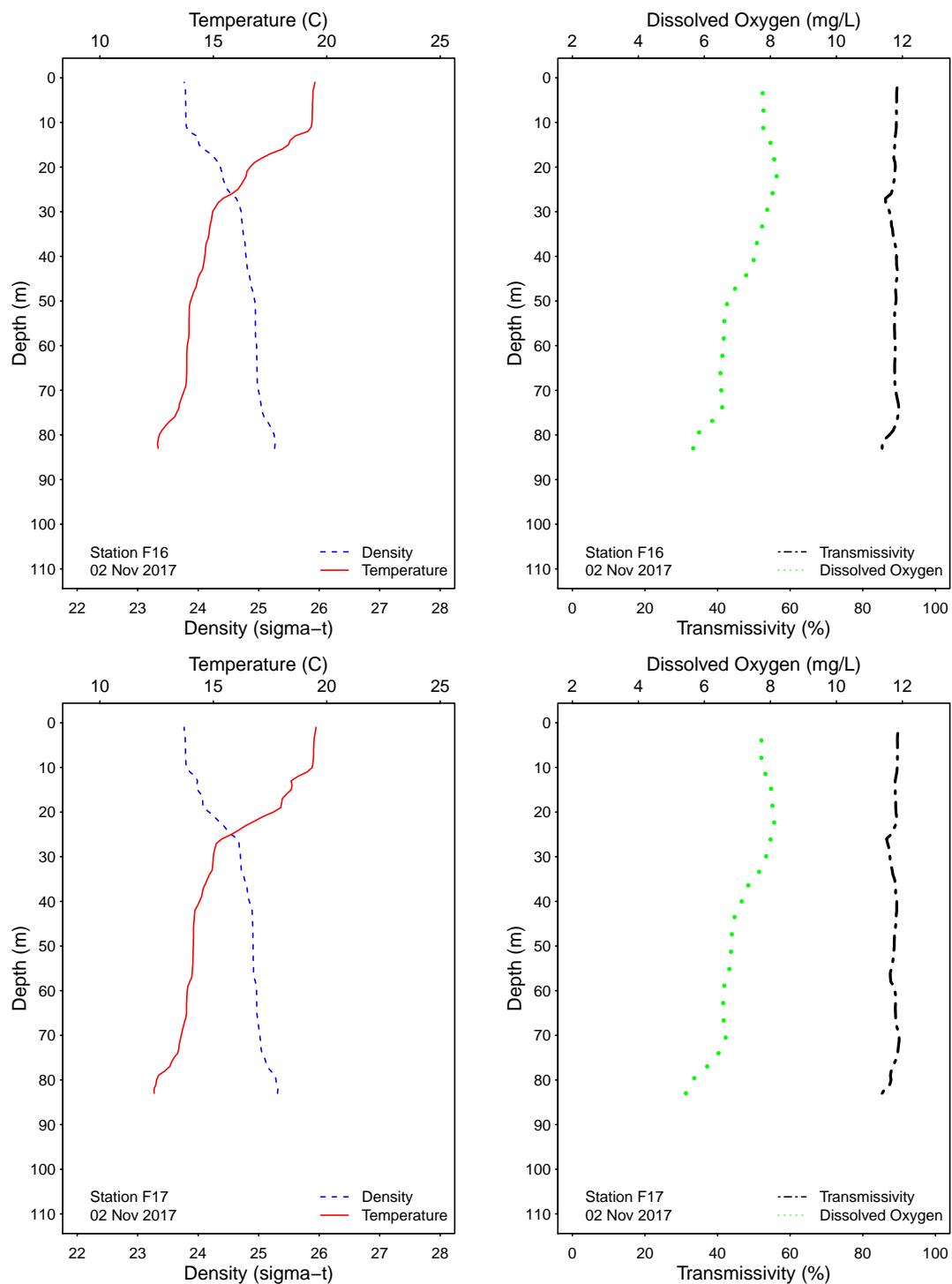


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

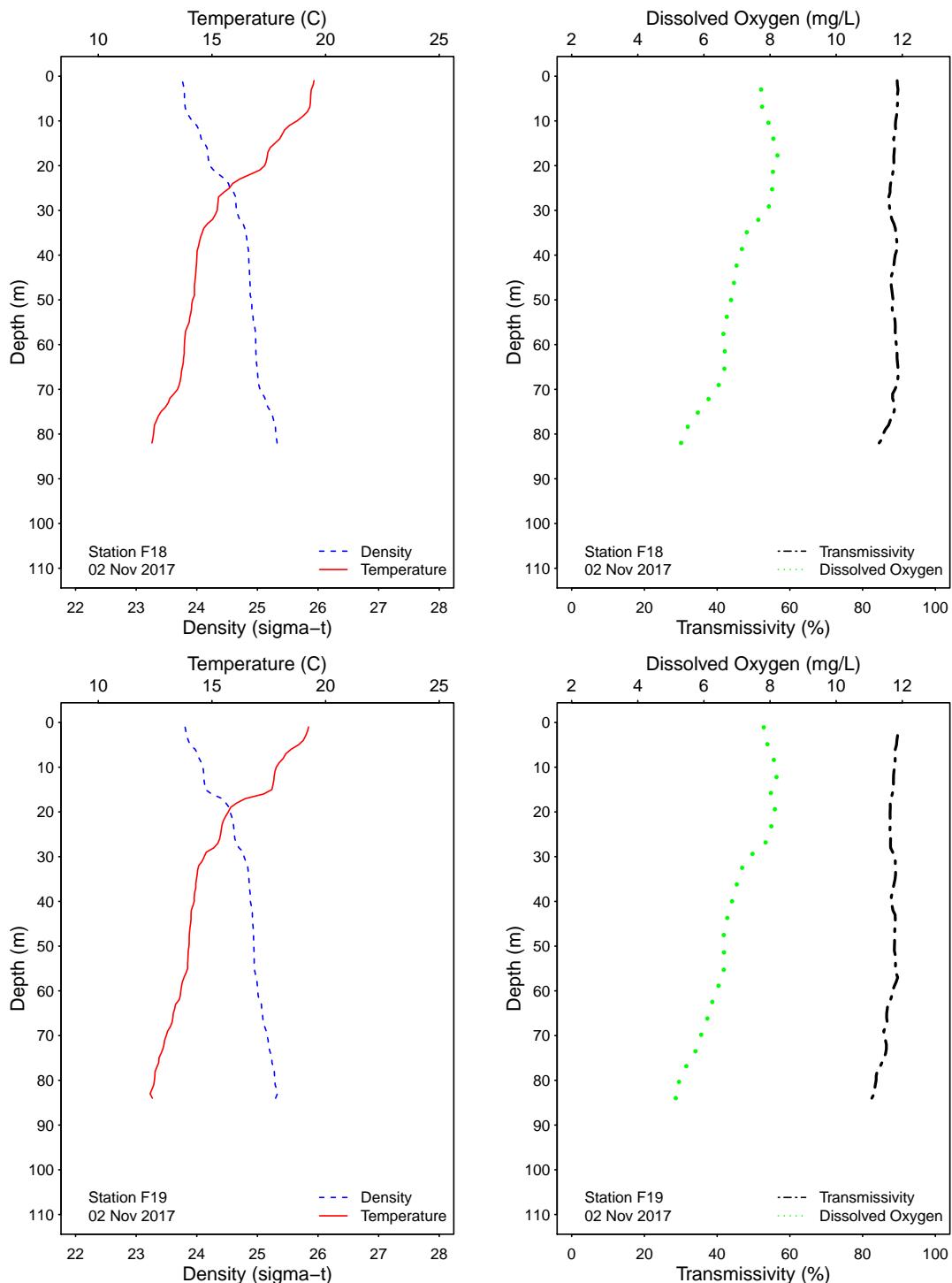


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

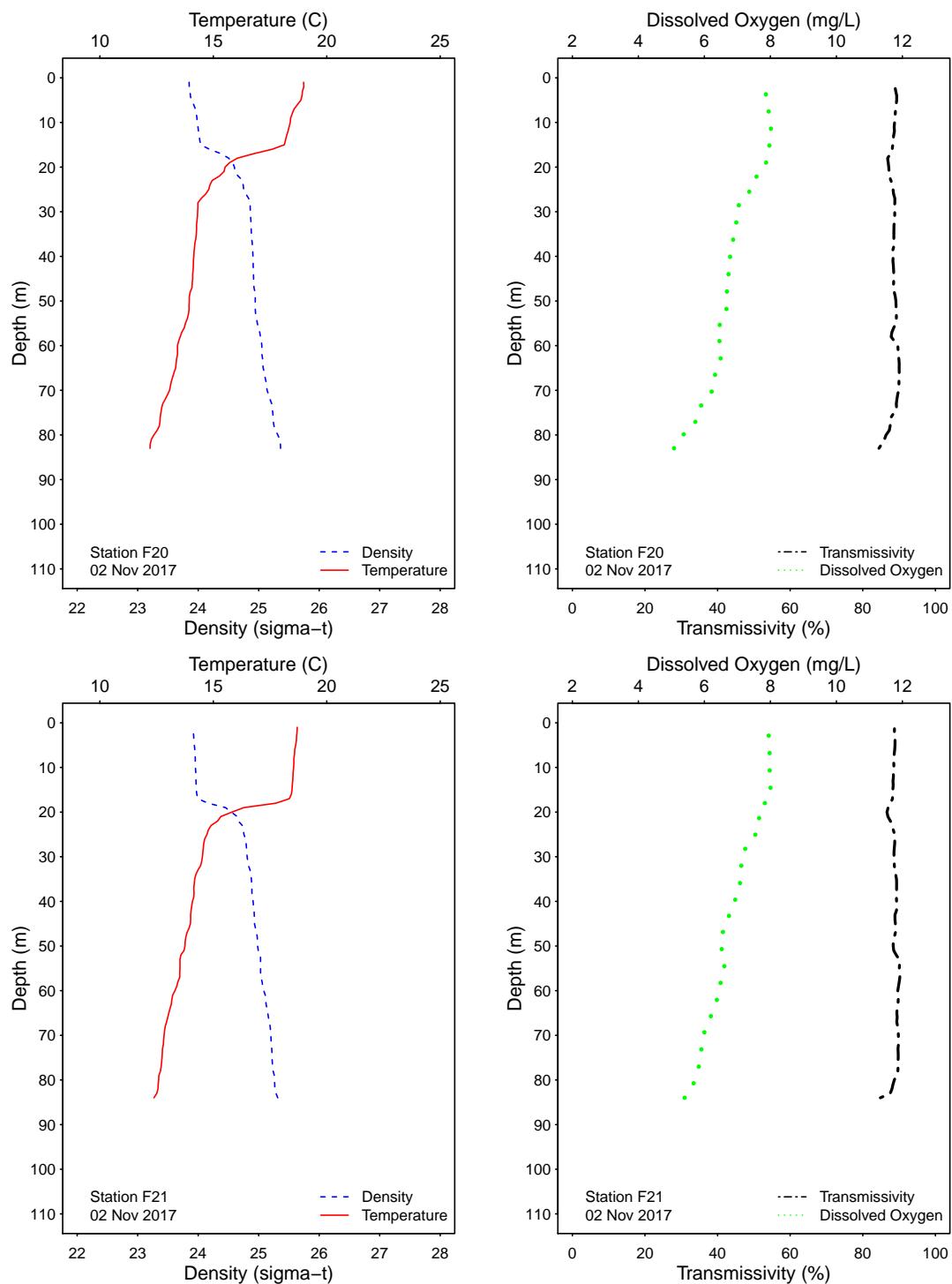


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

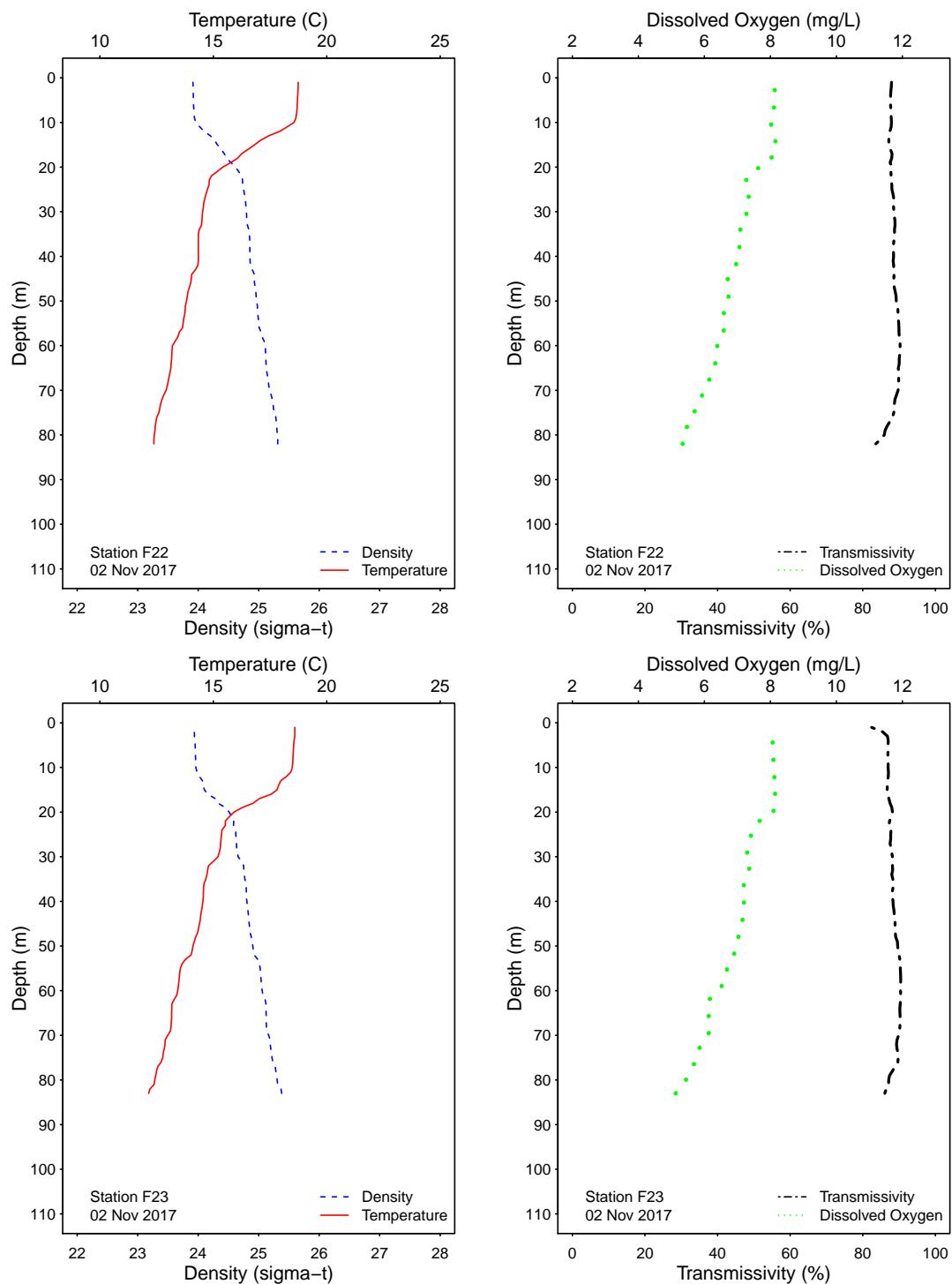


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

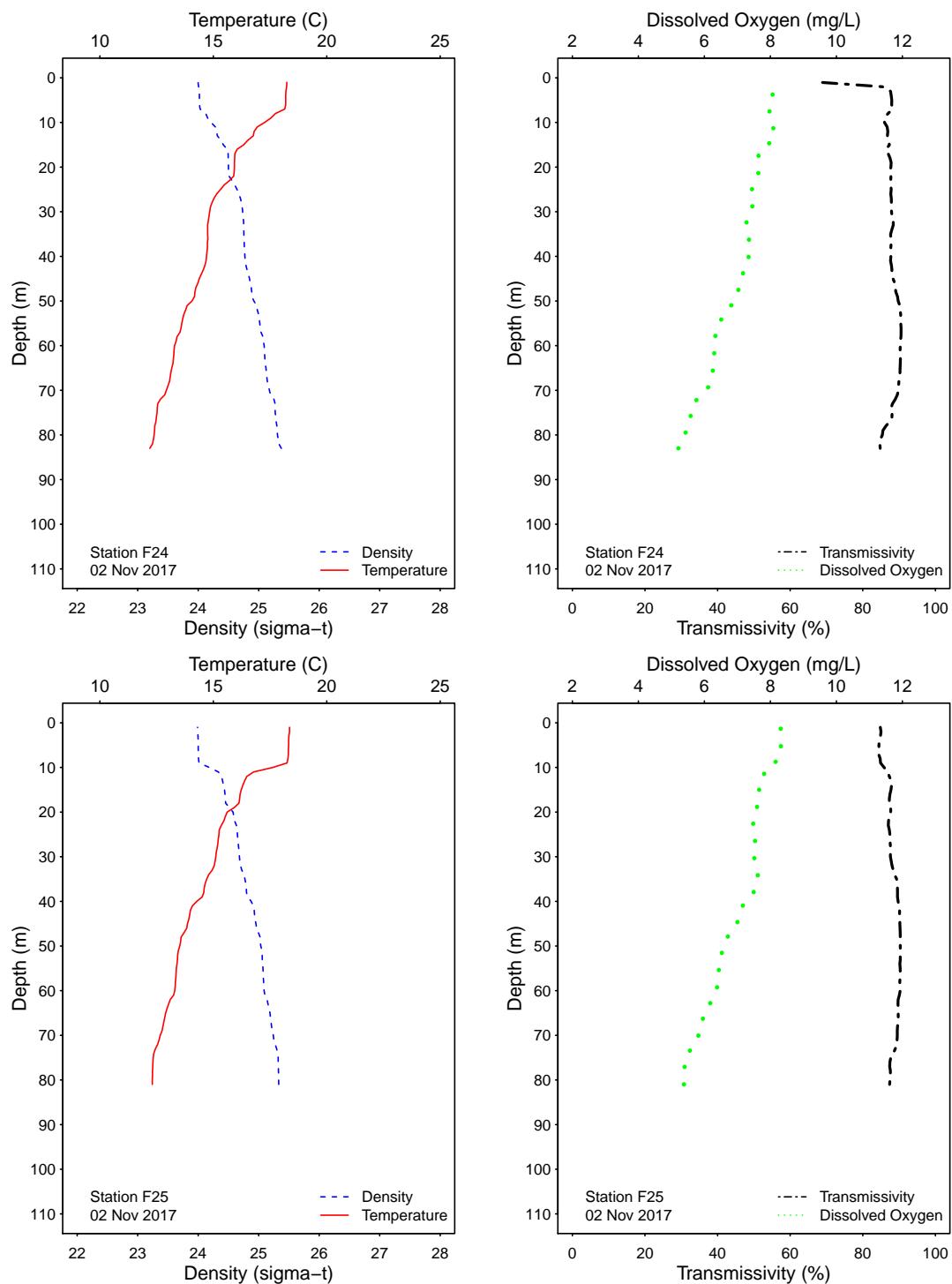


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

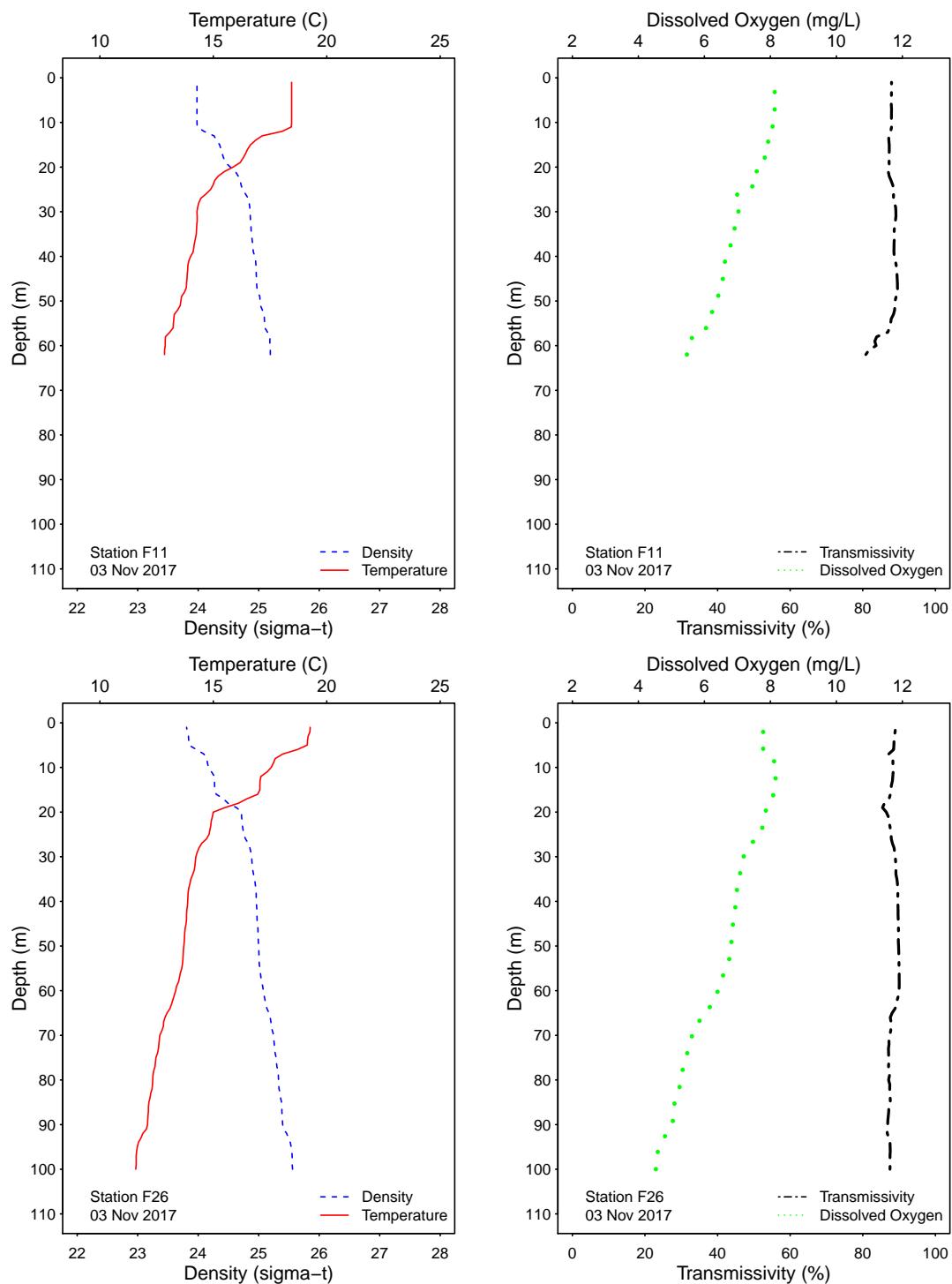


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

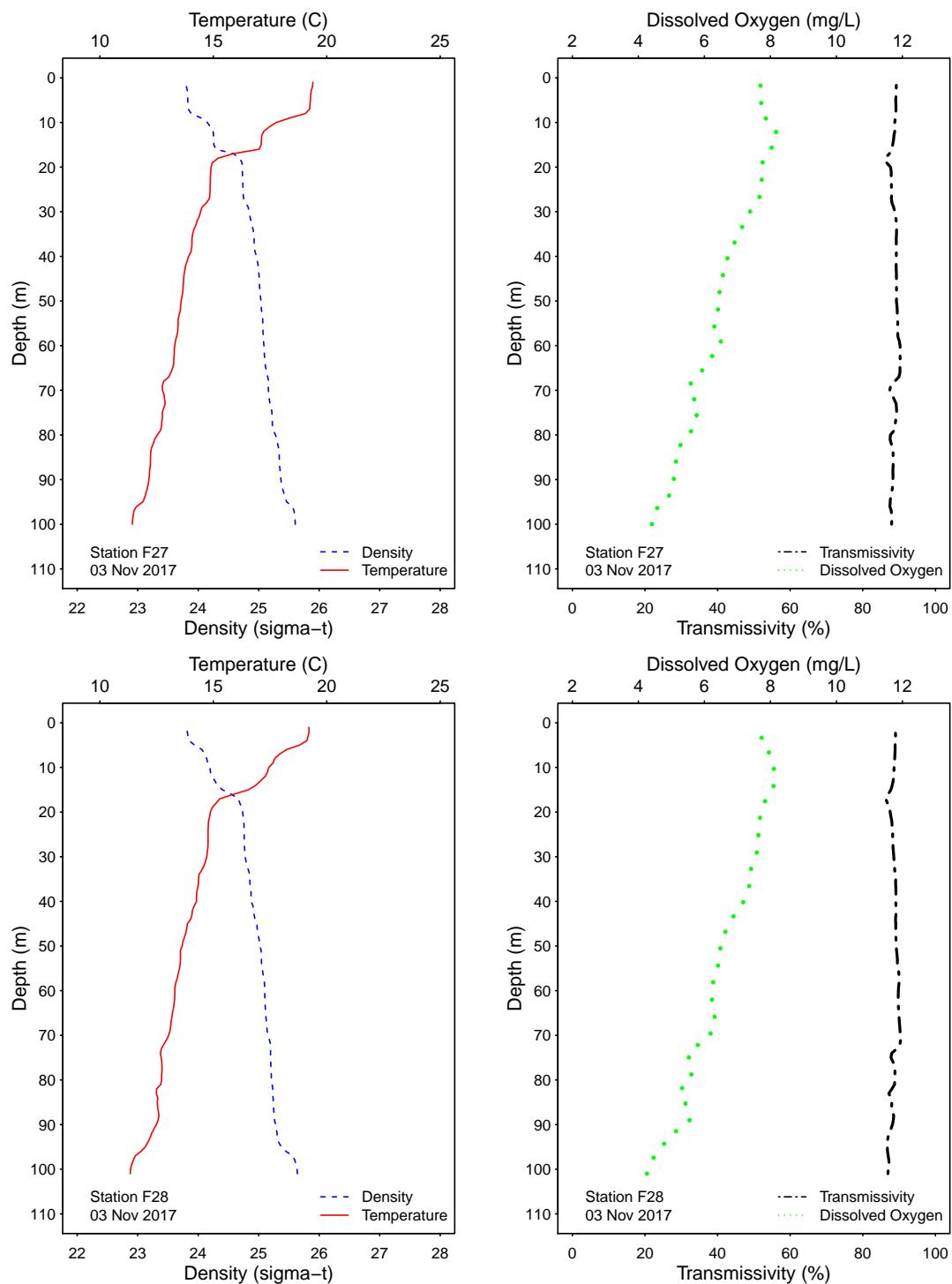


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

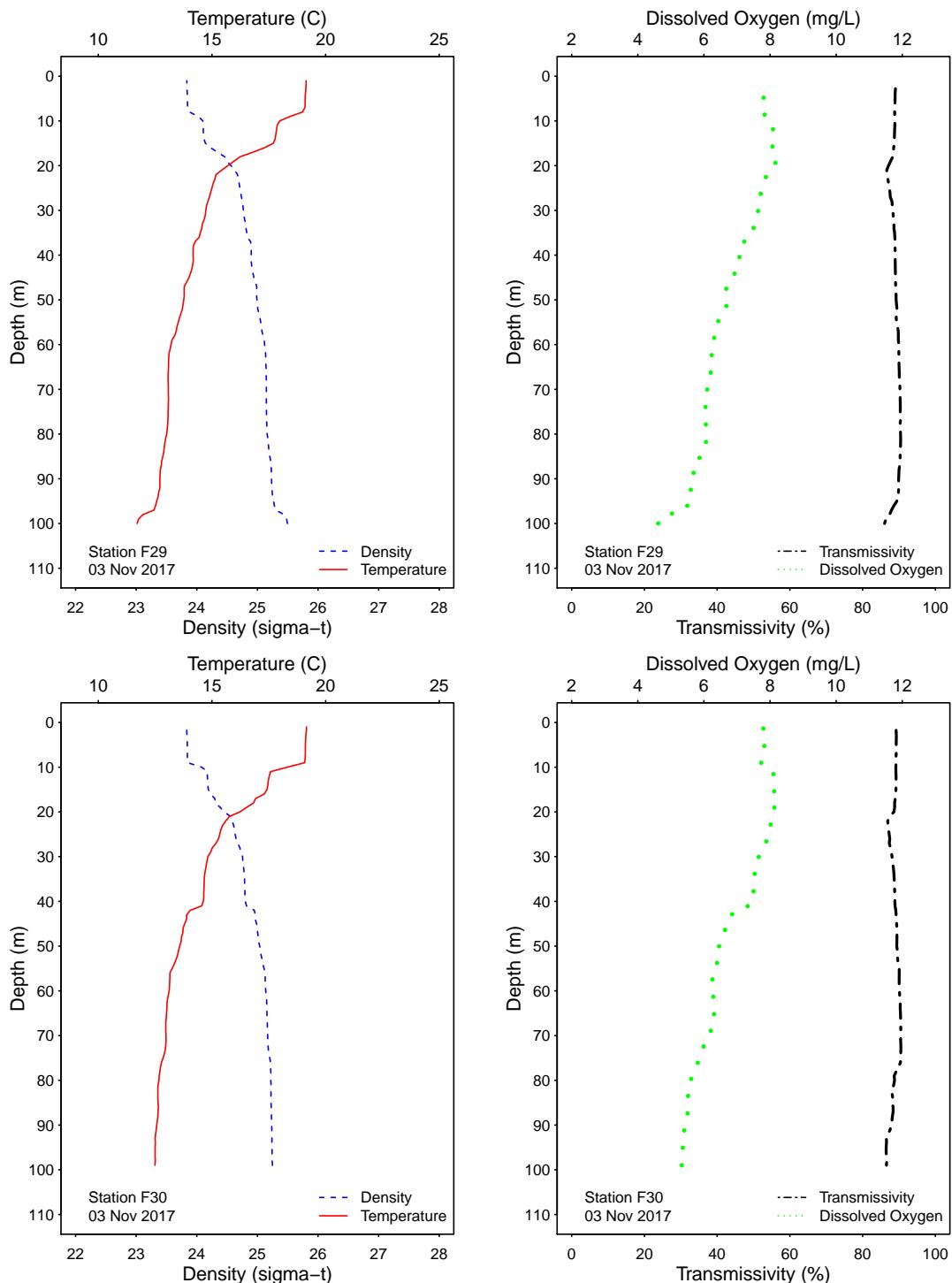


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

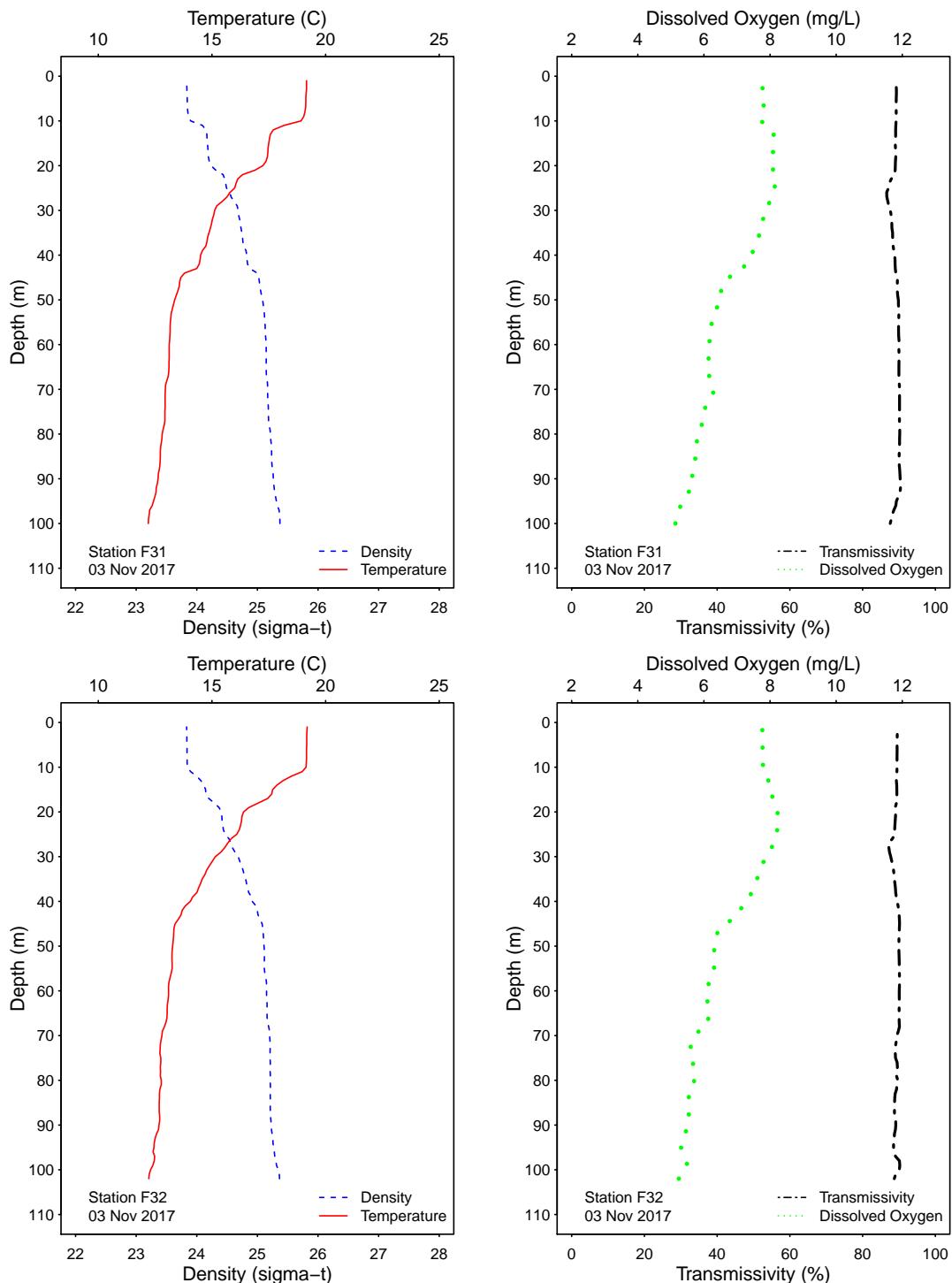


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

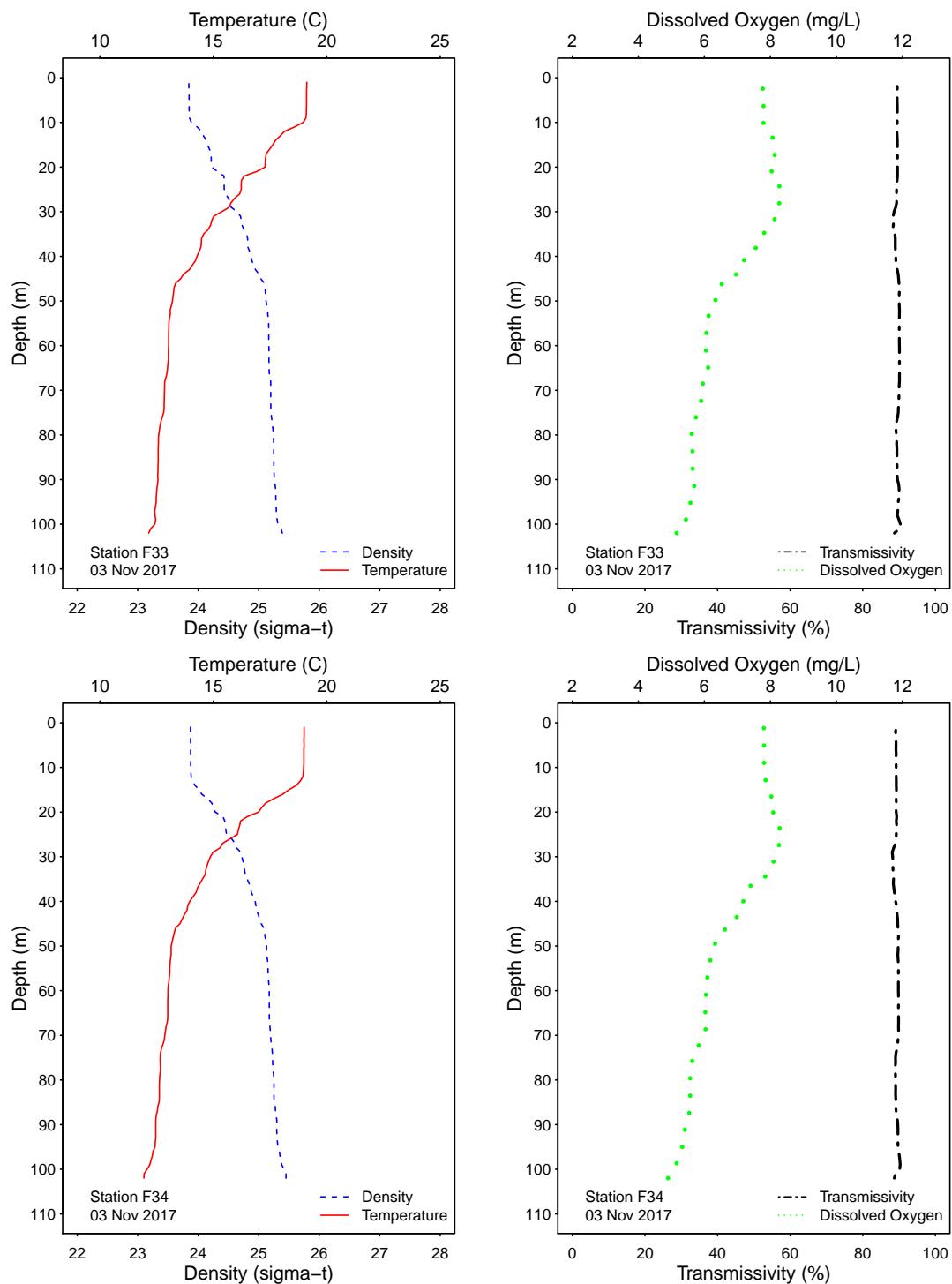


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

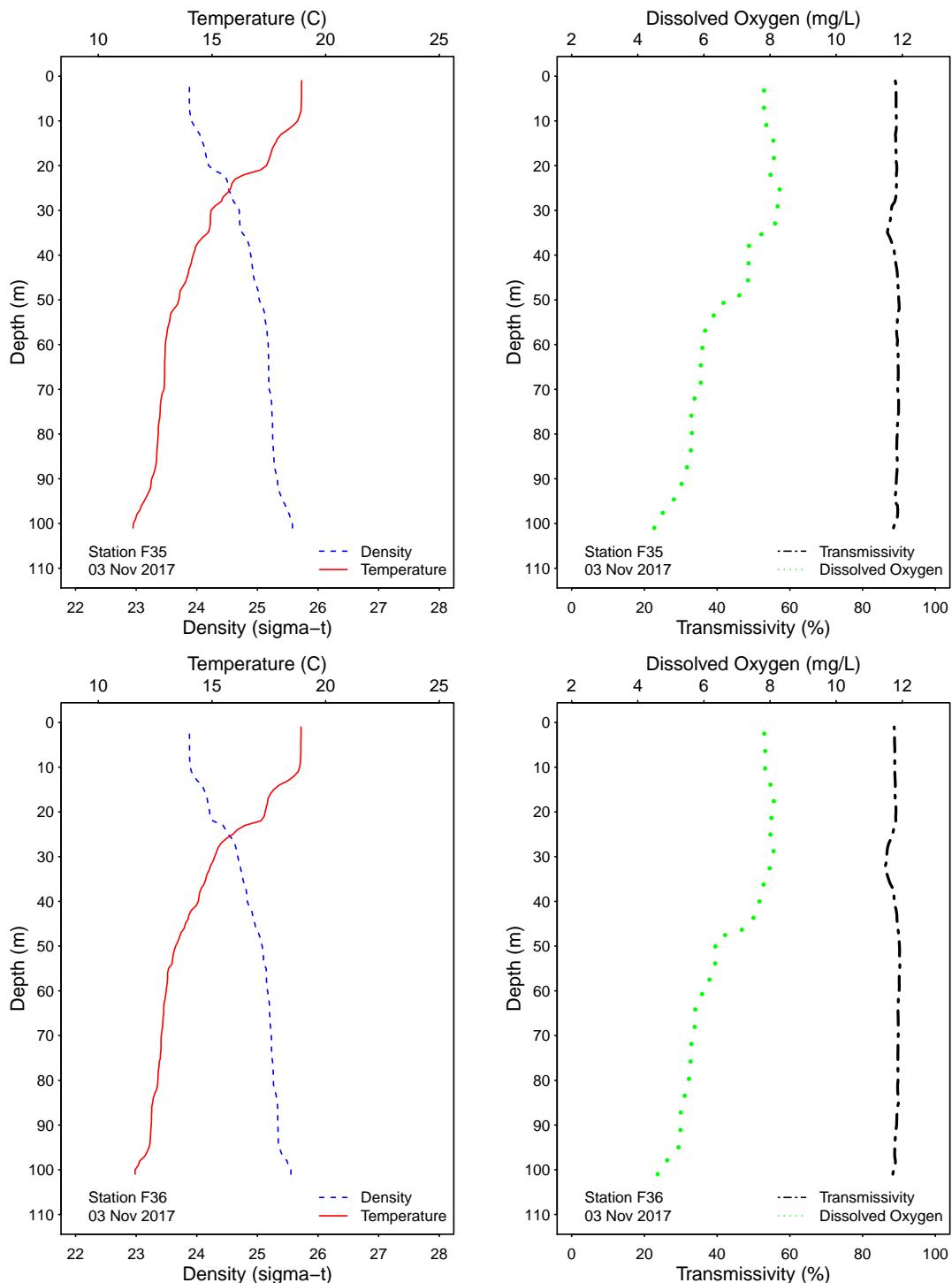


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

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# **APPENDIX A**

## Quality Assurance



**Table A.1**

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	09 Nov 2017	18	AR	LAB DUPLICATE	2e	<2	<2
A7	14 Nov 2017	18	AR	LAB DUPLICATE	12e	<2	2e
A7	20 Nov 2017	18	LMA	LAB DUPLICATE	<2	2e	<2
A7	29 Nov 2017	18	AR	LAB DUPLICATE	2e	<2	<2
C7	09 Nov 2017	18	AR	LAB DUPLICATE	6e	2e	<2
C7	14 Nov 2017	18	ZV	LAB DUPLICATE	64	<2	<2
C7	20 Nov 2017	18	LMA	LAB DUPLICATE	8e	2e	<2
C7	29 Nov 2017	18	AR	LAB DUPLICATE	<2	2e	<2
C8	09 Nov 2017	12	AR	LAB DUPLICATE	<2	<2	<2
C8	14 Nov 2017	12	ZV	LAB DUPLICATE	<2	<2	<2
C8	20 Nov 2017	12	JT	LAB DUPLICATE	<2	<2	<2
C8	29 Nov 2017	12	AR	LAB DUPLICATE	<2	<2	<2
D12	01 Nov 2017		AR	FIELD DUPLICATE	<200	2e	10e
D12	01 Nov 2017		AR	LAB DUPLICATE	<200	6e	6e
D12	08 Nov 2017		AE	FIELD DUPLICATE	<2	2e	<2
D12	08 Nov 2017		AE	LAB DUPLICATE	<20	2e	4e
D12	15 Nov 2017		LMA	FIELD DUPLICATE	<20	<2	<2
D12	15 Nov 2017		LMA	LAB DUPLICATE	<20	<2	8e
D12	20 Nov 2017		AE	FIELD DUPLICATE	<20	<2	<2
D12	20 Nov 2017		AE	LAB DUPLICATE	<20	<2	<2
D12	29 Nov 2017		JT	FIELD DUPLICATE	12e	10e	6e
D12	29 Nov 2017		JT	LAB DUPLICATE	4e	<2	10e
F01	01 Nov 2017	12	AR	LAB DUPLICATE	ns	ns	<2
F02	01 Nov 2017	12	AR	LAB DUPLICATE	ns	ns	<2
F07	01 Nov 2017	60	LMA	LAB DUPLICATE	ns	ns	12e
F08	01 Nov 2017	60	AR	LAB DUPLICATE	ns	ns	18e
F11	03 Nov 2017	60	ZV	LAB DUPLICATE	ns	ns	<2
F17	02 Nov 2017	80	JT	LAB DUPLICATE	ns	ns	2e
F18	02 Nov 2017	60	LMA	LAB DUPLICATE	ns	ns	<2
F19	02 Nov 2017	60	AE	LAB DUPLICATE	ns	ns	<2
F20	02 Nov 2017	60	AR	LAB DUPLICATE	ns	ns	<2
F21	02 Nov 2017	80	AE	LAB DUPLICATE	ns	ns	2e
F28	03 Nov 2017	60	AE	LAB DUPLICATE	ns	ns	<2
F29	03 Nov 2017	60	AE	LAB DUPLICATE	ns	ns	2e
F30	03 Nov 2017	60	LMA	LAB DUPLICATE	ns	ns	<2
F31	03 Nov 2017	80	AR	LAB DUPLICATE	ns	ns	<2
F32	03 Nov 2017	80	AR	LAB DUPLICATE	ns	ns	58
F34	03 Nov 2017	60	AE	LAB DUPLICATE	ns	ns	<2

ns = not sampled

ND = no data

