



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

## **POINT LOMA WASTEWATER TREATMENT PLANT**

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

## **MARCH 2019**

Environmental Monitoring and Technical Services  
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Environmental Monitoring & Technical Services Division

April 30, 2019

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 March 2019 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409.

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

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

Sincerely,

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

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

TS/amw

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

- Station D7 was not sampled between February and October 2018, except for the recording of visual observations. This station became accessible again and has been successfully sampled since October 31, 2018.
- Station D8 was replaced by alternate station D8-A during June 2016. However, due to increasing instability, City staff have been unable to safely access and sample station D8-A since February 7, 2018. During March 2018, the City identified an alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A.
- Station D9 has been inaccessible since October 31, 2018 due to construction. Staff have resumed sampling for this station as of March 2019.

Seawater samples were collected from the surf zone at each station on a weekly basis. These samples were 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 were also recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

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

The eight kelp stations were sampled weekly 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 consisted primarily of collecting seawater samples at discrete depths to determine concentrations of indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Water column profiles of various physical/chemical parameters were also generated during each sampling event, and visual observations of weather and water conditions were recorded at each station.

Seawater samples at the kelp bed stations were collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* were generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of  $\geq 4$  scans per second. These scans were then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

### ***Offshore Stations***

Offshore water quality sampling is conducted quarterly typically during the months of February, May, August and November. A total of 36 offshore stations (F01–F36) are sampled during each survey usually over a 3-day period. Three of the stations (F01–F03) are located along the 18-m depth contour, while 11 stations are located along each of the following contours: 60 m (stations F04–F14); 80 m (stations F15–F25); 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 were collected using a CTD-integrated rosette sampler with Niskin bottles. Profiles of the various physical/chemical parameters (listed above) are taken using a Sea-Bird CTD. Additionally, data for depths closest to those at which bacteriological samples were collected were 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

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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.

seven standards are defined as follows:

30-day Geometric Mean: The following standards are based on the geometric mean of the five most recent samples from each site.

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 200 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 35 CFU/100 mL.

Single Sample Maximums:

- (1) 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 2019 Quality Assurance Report, which will be completed in March 2020.

## SUMMARY OF RESULTS

### *Shore Stations*

- During March, one of the eight shore stations was out of compliance with one or more of the California Ocean Plan (Ocean Plan) water-contact standards as follows:
  - o The single sample maximum (SSM) standard for *Enterococcus* densities was exceeded at station D11 on March 13.
  - o Per permit requirements, resamples were collected in response to this SSM exceedance (see Table 2.8 for details).
- 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 *Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls* details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).
- Notable observations for March included a sewage-like odor at station D5 on March 13.

### **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. March 4, 11, 18, 25).
- During March, all of the kelp bed stations were in compliance with various water-contact standards specified in the Ocean Plan.
- Water column temperatures ranged from 11.50 to 16.05°C during the month. The difference between surface and bottom waters ranged from 0.19 to 3.02°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.3 to 4.33 µg/L during March, suggesting the absence of phytoplankton blooms during the month.
- Nothing of sewage origin was observed at any of the kelp stations.

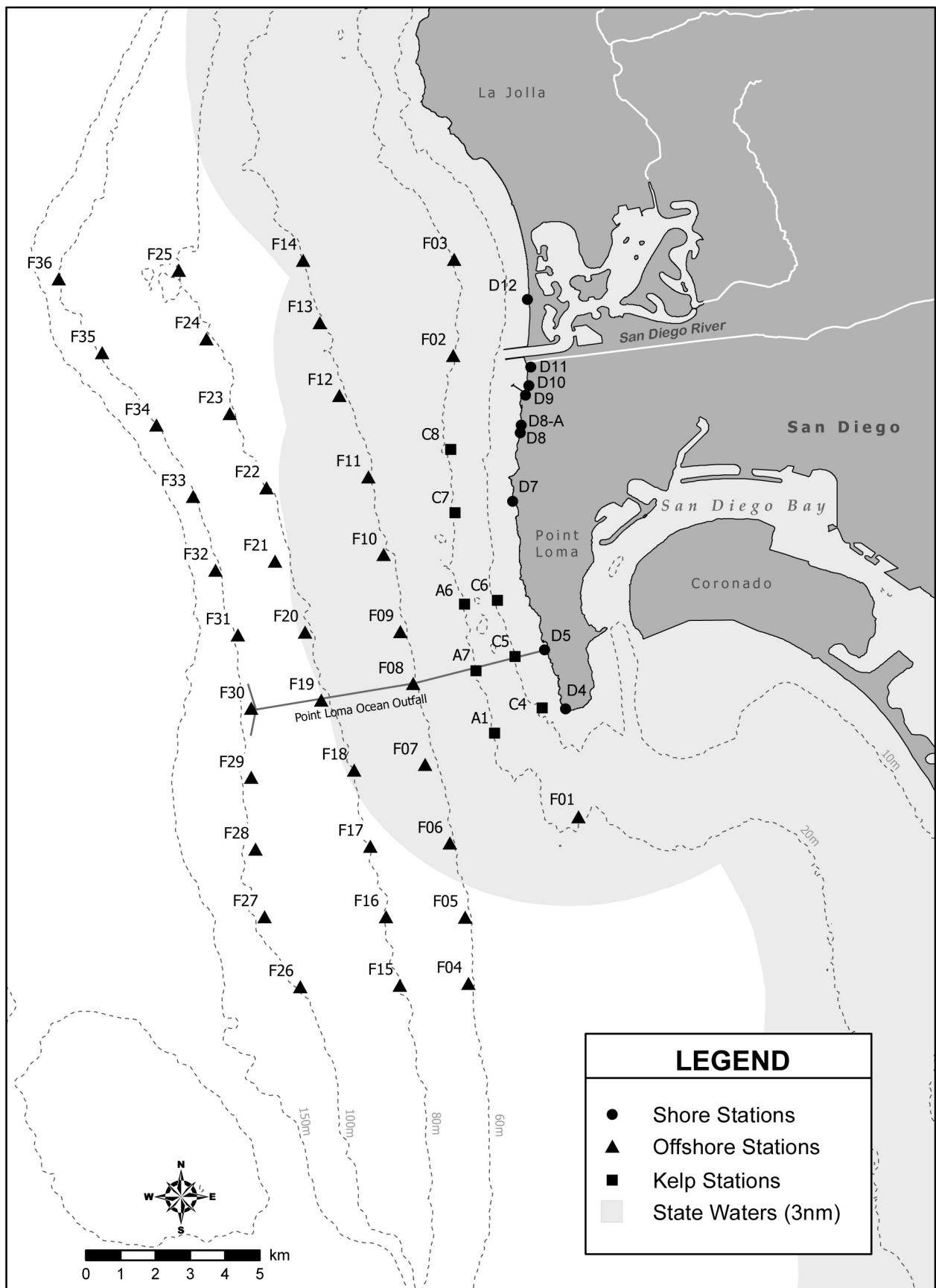
### **Offshore Stations**

- Quarterly offshore water quality sampling was originally scheduled for February, but due to unsafe weather conditions was conducted on March 5, 6, and 7.
- During March, four of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum (SSM) standard for *Enterococcus*.
  - o The SSM for *Enterococcus* was exceeded at stations F10, F11, and F12 on March 6, and at station F19 on March 7.
- All the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- During March, water column temperatures ranged from 10.08 to 15.24°C. The difference between surface and bottom waters ranged from 1.29 to 4.95°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.13 to 5.36 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-B	D9	D10	D11	D12
01 Mar 2019	6*	8*	8*	22*	ns	30*	381	6*
02 Mar 2019	6*	8*	8*	22*	ns	30*	381	6*
03 Mar 2019	6*	8*	8*	22*	ns	30*	381	6*
04 Mar 2019	6*	8*	8*	22*	ns	30*	381	6*
05 Mar 2019	6*	8*	8*	22*	ns	30*	381	6*
06 Mar 2019	4*	5*	8*	13*	26*	25*	87	3*
07 Mar 2019	4*	5*	8*	13*	26*	25*	87	3*
08 Mar 2019	4*	5*	8*	13*	26*	25*	71*	3*
09 Mar 2019	4*	5*	8*	13*	26*	25*	71*	3*
10 Mar 2019	4*	5*	8*	13*	26*	25*	71*	3*
11 Mar 2019	4*	5*	8*	13*	26*	25*	71*	3*
12 Mar 2019	4*	5*	8*	13*	26*	25*	71*	3*
13 Mar 2019	5	8	7	14	18	54	168	4
14 Mar 2019	5	8	7	14	18	54	168	4
15 Mar 2019	6*	9*	10*	22*	18*	44*	127	5*
16 Mar 2019	6*	9*	10*	22*	18*	44*	127	5*
17 Mar 2019	6*	9*	10*	22*	18*	44*	127	5*
18 Mar 2019	6*	9*	10*	22*	18*	44*	127	5*
19 Mar 2019	12	11	12	22	16	44	101	4
20 Mar 2019	12	11	12	22	16	44	101	4
21 Mar 2019	12	11	12	22	16	44	101	4
22 Mar 2019	11*	9*	10*	11*	16*	45*	151	4*
23 Mar 2019	11*	9*	10*	11*	16*	45*	151	4*
24 Mar 2019	11*	9*	10*	11*	16*	45*	151	4*
25 Mar 2019	11*	9*	10*	11*	16*	45*	151	4*
26 Mar 2019	11*	9*	10*	11*	16*	45*	151	4*
27 Mar 2019	9	11	12	8	17	50	218	3
28 Mar 2019	9	11	12	8	17	50	218	3
29 Mar 2019	13*	16*	14*	11*	17*	95*	169	4*
30 Mar 2019	13*	16*	14*	11*	17*	95*	169	4*
31 Mar 2019	13*	16*	14*	11*	17*	95*	169	4*

\* Geometric mean calculated using n<5

**Table 2.2**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Mar 2019	2*	2*	3*	9*	ns	4*	32	2*
02 Mar 2019	2*	2*	3*	9*	ns	4*	32	2*
03 Mar 2019	2*	2*	3*	9*	ns	4*	32	2*
04 Mar 2019	2*	2*	3*	9*	ns	4*	32	2*
05 Mar 2019	2*	2*	3*	9*	ns	4*	32	2*
06 Mar 2019	2*	2*	3*	4*	2*	3*	10	2*
07 Mar 2019	2*	2*	3*	4*	2*	3*	10	2*
08 Mar 2019	2*	2*	3*	4*	2*	3*	9*	2*
09 Mar 2019	2*	2*	3*	4*	2*	3*	9*	2*
10 Mar 2019	2*	2*	3*	4*	2*	3*	9*	2*
11 Mar 2019	2*	2*	3*	4*	2*	3*	9*	2*
12 Mar 2019	2*	2*	3*	4*	2*	3*	9*	2*
13 Mar 2019	3	2	2	3	2	6	17	2
14 Mar 2019	3	2	2	3	2	6	17	2
15 Mar 2019	3*	2*	3*	4*	2*	6*	13	2*
16 Mar 2019	3*	2*	3*	4*	2*	6*	13	2*
17 Mar 2019	3*	2*	3*	4*	2*	6*	13	2*
18 Mar 2019	3*	2*	3*	4*	2*	6*	13	2*
19 Mar 2019	4	2	4	5	3	6	12	2
20 Mar 2019	4	2	4	5	3	6	12	2
21 Mar 2019	4	2	4	5	3	6	12	2
22 Mar 2019	5*	2*	4*	3*	3*	8*	19	2*
23 Mar 2019	5*	2*	4*	3*	3*	8*	19	2*
24 Mar 2019	5*	2*	4*	3*	3*	8*	19	2*
25 Mar 2019	5*	2*	4*	3*	3*	8*	19	2*
26 Mar 2019	5*	2*	4*	3*	3*	8*	19	2*
27 Mar 2019	4	2	3	3	2	8	22	2
28 Mar 2019	4	2	3	3	2	8	22	2
29 Mar 2019	5*	2*	4*	3*	2*	12*	19	2*
30 Mar 2019	5*	2*	4*	3*	2*	12*	19	2*
31 Mar 2019	5*	2*	4*	3*	2*	12*	19	2*

\* Geometric mean calculated using n<5

**Table 2.3**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Mar 2019	2*	4*	2*	6*	ns	6*	22*	2*
02 Mar 2019	2*	4*	2*	6*	ns	6*	22*	2*
03 Mar 2019	2*	4*	2*	6*	ns	6*	22*	2*
04 Mar 2019	2*	4*	2*	6*	ns	6*	22*	2*
05 Mar 2019	2*	4*	2*	6*	ns	6*	22*	2*
06 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
07 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
08 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
09 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
10 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
11 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
12 Mar 2019	2*	3*	2*	5*	4*	3*	13*	2*
13 Mar 2019	3	3	2	6	3	5	19	2
14 Mar 2019	3	3	2	6	3	5	19	2
15 Mar 2019	3*	2*	2*	7*	3*	6*	24	3*
16 Mar 2019	3*	2*	2*	7*	3*	6*	24	3*
17 Mar 2019	3*	2*	2*	7*	3*	6*	24	3*
18 Mar 2019	3*	2*	2*	7*	3*	6*	24	3*
19 Mar 2019	6	2	3	8	3	5	26	2
20 Mar 2019	6	2	3	8	3	5	26	2
21 Mar 2019	6	2	3	8	3	5	26	2
22 Mar 2019	8*	2*	3*	7*	3*	6*	27	3*
23 Mar 2019	8*	2*	3*	7*	3*	6*	27	3*
24 Mar 2019	8*	2*	3*	7*	3*	6*	27	3*
25 Mar 2019	8*	2*	3*	7*	3*	6*	27	3*
26 Mar 2019	8*	2*	3*	7*	3*	6*	27	3*
27 Mar 2019	8	2	3	6	2	5	17	2
28 Mar 2019	8	2	3	6	2	5	17	2
29 Mar 2019	11*	2*	3*	7*	2*	6*	14	3*
30 Mar 2019	11*	2*	3*	7*	2*	6*	14	3*
31 Mar 2019	11*	2*	3*	7*	2*	6*	14	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-B	D9	D10	D11	D12
06 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Mar 2019	ns	ns	ns	ns	ns	ns	ns	ns
19 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
27 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.5**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
06 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Mar 2019	ns	ns	ns	ns	ns	ns	ns	ns
19 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
27 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.6**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
06 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Mar 2019	IC	IC	IC	IC	IC	IC	E	IC
15 Mar 2019	ns	ns	ns	ns	ns	ns	IC	ns
19 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
27 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.7**

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
06 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
13 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
19 Mar 2019	IC	IC	IC	IC	IC	IC	IC	IC
27 Mar 2019	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	06 Mar 2019	809	2e	<2	4e	1.00
	13 Mar 2019	815	<20	8e	6e	0.40
	19 Mar 2019	847	160e	14e	98	0.09
	27 Mar 2019	802	4e	<2	6e	0.50
D5	06 Mar 2019	748	4e	2e	<2	0.50
	13 Mar 2019	757	40e	<2	<2	0.05
	19 Mar 2019	815	20e	2e	<2	0.10
	27 Mar 2019	741	20e	<2	<2	0.10
D7	06 Mar 2019	838	14e	2e	2e	0.14
	13 Mar 2019	847	6e	2e	<2	0.33
	19 Mar 2019	921	<20	26e	18e	1.30
	27 Mar 2019	825	<20	2e	<2	0.10
D8-B	06 Mar 2019	855	20e	2e	14e	0.10
	13 Mar 2019	901	<20	<2	6e	0.10
	19 Mar 2019	945	20e	10e	16e	0.50
	27 Mar 2019	846	2e	<2	2e	1.00
D9	06 Mar 2019	914	26e	<2	4e	0.08
	13 Mar 2019	910	12e	<2	2e	0.17
	19 Mar 2019	959	14e	4e	<2	0.29
	27 Mar 2019	912	20e	<2	<2	0.10
D10	06 Mar 2019	933	<20	4e	4e	0.20
	13 Mar 2019	931	1200	60e	36e	0.05
	19 Mar 2019	1013	42	8e	4e	0.19
	27 Mar 2019	922	80e	10e	2e	0.12
D11	06 Mar 2019	956	4e	<2	<2	0.50
	13 Mar 2019	1012	5400	160e	110	0.03
	15 Mar 2019	1028	ns	ns	32e	ns
	19 Mar 2019	1034	40e	10e	32e	0.25
	27 Mar 2019	958	940	40e	2e	0.04
D12	06 Mar 2019	1025	4e	4e	<2	1.00
	13 Mar 2019	1038	12e	2e	6e	0.17
	19 Mar 2019	1102	<2	<2	<2	1.00
	27 Mar 2019	1036	<2	<2	<2	1.00

ns = not sampled

ND = no data

**Comments**

Station	Date	Depth	Parameter	Comments
D11	15 Mar 2019			Resample

**Table 2.9**

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

Station	Date	Parameter	Value
D4	06 Mar 2019	Arrive Time	809
D4	06 Mar 2019	Weather	Cloudy
D4	06 Mar 2019	Wind Speed (kts)	0.2
D4	06 Mar 2019	Wind Dir	S
D4	06 Mar 2019	Animal Life	None
D4	06 Mar 2019	Floatables	None
D4	06 Mar 2019	Water Color	Green
D4	06 Mar 2019	Current Direction	N
D4	06 Mar 2019	Water Temp (C)	16.3
D4	06 Mar 2019	Wave Height Low (ft)	2
D4	06 Mar 2019	High Tide (ft)	5.3
D4	06 Mar 2019	High Tide Time	838
D4	06 Mar 2019	Low Tide (ft)	1
D4	06 Mar 2019	Low Tide Time	241
D4	06 Mar 2019	Comments	Seagrass; Water clear
D4	13 Mar 2019	Arrive Time	815
D4	13 Mar 2019	Weather	Partly Cloudy
D4	13 Mar 2019	Wind Speed (kts)	1.5
D4	13 Mar 2019	Wind Dir	N
D4	13 Mar 2019	Animal Life	10 Shorebirds
D4	13 Mar 2019	Floatables	None
D4	13 Mar 2019	Water Color	Green
D4	13 Mar 2019	Current Direction	N
D4	13 Mar 2019	Water Temp (C)	15.5
D4	13 Mar 2019	Wave Height Low (ft)	3
D4	13 Mar 2019	High Tide (ft)	4.4
D4	13 Mar 2019	High Tide Time	135
D4	13 Mar 2019	Low Tide (ft)	0.9
D4	13 Mar 2019	Low Tide Time	927
D4	13 Mar 2019	Comments	1 Boat; Water clear
D4	19 Mar 2019	Arrive Time	847
D4	19 Mar 2019	Weather	Overcast
D4	19 Mar 2019	Wind Speed (kts)	6.6
D4	19 Mar 2019	Wind Dir	S
D4	19 Mar 2019	Animal Life	None
D4	19 Mar 2019	Floatables	None
D4	19 Mar 2019	Water Color	Green
D4	19 Mar 2019	Current Direction	N
D4	19 Mar 2019	Water Temp (C)	16.4
D4	19 Mar 2019	Wave Height Low (ft)	2
D4	19 Mar 2019	High Tide (ft)	6.1
D4	19 Mar 2019	High Tide Time	828
D4	19 Mar 2019	Low Tide (ft)	0.6
D4	19 Mar 2019	Low Tide Time	229
D4	19 Mar 2019	Comments	Kelp; Seagrass; Water clear
D4	27 Mar 2019	Arrive Time	802
D4	27 Mar 2019	Weather	Partly Cloudy
D4	27 Mar 2019	Wind Speed (kts)	3.1

Station	Date	Parameter	Value
D4	27 Mar 2019	Wind Dir	W
D4	27 Mar 2019	Animal Life	None
D4	27 Mar 2019	Floatables	None
D4	27 Mar 2019	Water Color	Green
D4	27 Mar 2019	Current Direction	W
D4	27 Mar 2019	Water Temp (C)	16
D4	27 Mar 2019	Wave Height Low (ft)	2
D4	27 Mar 2019	High Tide (ft)	4.3
D4	27 Mar 2019	High Tide Time	214
D4	27 Mar 2019	Low Tide (ft)	0.6
D4	27 Mar 2019	Low Tide Time	1016
D4	27 Mar 2019	Comments	Kelp; Seagrass; Water clear
D5	06 Mar 2019	Arrive Time	748
D5	06 Mar 2019	Weather	Overcast
D5	06 Mar 2019	Wind Speed (kts)	0.1
D5	06 Mar 2019	Wind Dir	SW
D5	06 Mar 2019	Animal Life	None
D5	06 Mar 2019	Floatables	None
D5	06 Mar 2019	Water Color	Green
D5	06 Mar 2019	Current Direction	N
D5	06 Mar 2019	Water Temp (C)	16.1
D5	06 Mar 2019	Wave Height Low (ft)	1
D5	06 Mar 2019	High Tide (ft)	5.3
D5	06 Mar 2019	High Tide Time	838
D5	06 Mar 2019	Low Tide (ft)	1
D5	06 Mar 2019	Low Tide Time	241
D5	06 Mar 2019	Comments	Algae; Water clear
D5	13 Mar 2019	Arrive Time	757
D5	13 Mar 2019	Weather	Partly Cloudy
D5	13 Mar 2019	Wind Speed (kts)	0.3
D5	13 Mar 2019	Wind Dir	S
D5	13 Mar 2019	Animal Life	100 Cormorants
D5	13 Mar 2019	Floatables	None
D5	13 Mar 2019	Water Color	Green
D5	13 Mar 2019	Current Direction	S
D5	13 Mar 2019	Water Temp (C)	15.4
D5	13 Mar 2019	Wave Height Low (ft)	3
D5	13 Mar 2019	High Tide (ft)	4.4
D5	13 Mar 2019	High Tide Time	135
D5	13 Mar 2019	Low Tide (ft)	0.9
D5	13 Mar 2019	Low Tide Time	927
D5	13 Mar 2019	Comments	Kelp; Algae; Sewage-like odor; Water clear
D5	19 Mar 2019	Arrive Time	815
D5	19 Mar 2019	Weather	Overcast
D5	19 Mar 2019	Wind Speed (kts)	1.4
D5	19 Mar 2019	Wind Dir	S
D5	19 Mar 2019	Animal Life	None
D5	19 Mar 2019	Floatables	None
D5	19 Mar 2019	Water Color	Green
D5	19 Mar 2019	Current Direction	N
D5	19 Mar 2019	Water Temp (C)	15.7
D5	19 Mar 2019	Wave Height Low (ft)	2

Station	Date	Parameter	Value
D5	19 Mar 2019	High Tide (ft)	6.1
D5	19 Mar 2019	High Tide Time	828
D5	19 Mar 2019	Low Tide (ft)	0.6
D5	19 Mar 2019	Low Tide Time	229
D5	19 Mar 2019	Comments	Water clear
D5	27 Mar 2019	Arrive Time	741
D5	27 Mar 2019	Weather	Partly Cloudy
D5	27 Mar 2019	Wind Speed (kts)	1.5
D5	27 Mar 2019	Wind Dir	W
D5	27 Mar 2019	Animal Life	200 Cormorants; 2 Pelicans; 3 Seagulls
D5	27 Mar 2019	Floatables	None
D5	27 Mar 2019	Water Color	Green
D5	27 Mar 2019	Current Direction	W
D5	27 Mar 2019	Water Temp (C)	16.8
D5	27 Mar 2019	Wave Height Low (ft)	1
D5	27 Mar 2019	High Tide (ft)	4.3
D5	27 Mar 2019	High Tide Time	214
D5	27 Mar 2019	Low Tide (ft)	0.6
D5	27 Mar 2019	Low Tide Time	1016
D5	27 Mar 2019	Comments	Kelp; Seagrass; Water clear
D7	06 Mar 2019	Arrive Time	838
D7	06 Mar 2019	Weather	Cloudy
D7	06 Mar 2019	Wind Speed (kts)	1.1
D7	06 Mar 2019	Wind Dir	N
D7	06 Mar 2019	Animal Life	None
D7	06 Mar 2019	Floatables	None
D7	06 Mar 2019	Water Color	Green
D7	06 Mar 2019	Current Direction	N
D7	06 Mar 2019	Water Temp (C)	16.7
D7	06 Mar 2019	Wave Height Low (ft)	1
D7	06 Mar 2019	High Tide (ft)	5.3
D7	06 Mar 2019	High Tide Time	838
D7	06 Mar 2019	Low Tide (ft)	1
D7	06 Mar 2019	Low Tide Time	241
D7	06 Mar 2019	Comments	Seagrass; Algae; 2 Persons; Water clear
D7	13 Mar 2019	Arrive Time	847
D7	13 Mar 2019	Weather	Sunny
D7	13 Mar 2019	Wind Speed (kts)	2.3
D7	13 Mar 2019	Wind Dir	W
D7	13 Mar 2019	Animal Life	1 Shorebird
D7	13 Mar 2019	Floatables	None
D7	13 Mar 2019	Water Color	Green
D7	13 Mar 2019	Current Direction	W
D7	13 Mar 2019	Water Temp (C)	15.6
D7	13 Mar 2019	Wave Height Low (ft)	4
D7	13 Mar 2019	High Tide (ft)	4.4
D7	13 Mar 2019	High Tide Time	135
D7	13 Mar 2019	Low Tide (ft)	0.9
D7	13 Mar 2019	Low Tide Time	927
D7	13 Mar 2019	Comments	1 Jogger; Water clear
D7	19 Mar 2019	Arrive Time	921

Station	Date	Parameter	Value
D7	19 Mar 2019	Weather	Overcast
D7	19 Mar 2019	Wind Speed (kts)	4.8
D7	19 Mar 2019	Wind Dir	S
D7	19 Mar 2019	Animal Life	None
D7	19 Mar 2019	Floatables	None
D7	19 Mar 2019	Water Color	Green
D7	19 Mar 2019	Current Direction	N
D7	19 Mar 2019	Water Temp (C)	17.8
D7	19 Mar 2019	Wave Height Low (ft)	3
D7	19 Mar 2019	High Tide (ft)	6.1
D7	19 Mar 2019	High Tide Time	828
D7	19 Mar 2019	Low Tide (ft)	-1.3
D7	19 Mar 2019	Low Tide Time	1513
D7	19 Mar 2019	Comments	Kelp; Seagrass; 2 Joggers; Water clear
D7	27 Mar 2019	Arrive Time	825
D7	27 Mar 2019	Weather	Overcast
D7	27 Mar 2019	Wind Speed (kts)	0
D7	27 Mar 2019	Wind Dir	
D7	27 Mar 2019	Animal Life	None
D7	27 Mar 2019	Floatables	None
D7	27 Mar 2019	Water Color	Green
D7	27 Mar 2019	Current Direction	
D7	27 Mar 2019	Water Temp (C)	16.9
D7	27 Mar 2019	Wave Height Low (ft)	2
D7	27 Mar 2019	High Tide (ft)	4.3
D7	27 Mar 2019	High Tide Time	214
D7	27 Mar 2019	Low Tide (ft)	0.6
D7	27 Mar 2019	Low Tide Time	1016
D7	27 Mar 2019	Comments	Kelp; Seagrass; Algae; 22 Surfers; Water clear
D8-B	06 Mar 2019	Arrive Time	855
D8-B	06 Mar 2019	Weather	Partly Cloudy
D8-B	06 Mar 2019	Wind Speed (kts)	10.1
D8-B	06 Mar 2019	Wind Dir	E
D8-B	06 Mar 2019	Animal Life	None
D8-B	06 Mar 2019	Floatables	None
D8-B	06 Mar 2019	Water Color	Green
D8-B	06 Mar 2019	Current Direction	N
D8-B	06 Mar 2019	Water Temp (C)	17.7
D8-B	06 Mar 2019	Wave Height Low (ft)	2
D8-B	06 Mar 2019	High Tide (ft)	5.3
D8-B	06 Mar 2019	High Tide Time	838
D8-B	06 Mar 2019	Low Tide (ft)	1
D8-B	06 Mar 2019	Low Tide Time	241
D8-B	06 Mar 2019	Comments	Kelp; Seagrass; Water clear
D8-B	13 Mar 2019	Arrive Time	901
D8-B	13 Mar 2019	Weather	Sunny
D8-B	13 Mar 2019	Wind Speed (kts)	1.3
D8-B	13 Mar 2019	Wind Dir	NE
D8-B	13 Mar 2019	Animal Life	None
D8-B	13 Mar 2019	Floatables	None
D8-B	13 Mar 2019	Water Color	Green
D8-B	13 Mar 2019	Current Direction	NE

Station	Date	Parameter	Value
D8-B	13 Mar 2019	Water Temp (C)	16.1
D8-B	13 Mar 2019	Wave Height Low (ft)	4
D8-B	13 Mar 2019	High Tide (ft)	2.5
D8-B	13 Mar 2019	High Tide Time	1601
D8-B	13 Mar 2019	Low Tide (ft)	0.9
D8-B	13 Mar 2019	Low Tide Time	927
D8-B	13 Mar 2019	Comments	Water clear
D8-B	19 Mar 2019	Arrive Time	945
D8-B	19 Mar 2019	Weather	Partly Cloudy
D8-B	19 Mar 2019	Wind Speed (kts)	1.2
D8-B	19 Mar 2019	Wind Dir	W
D8-B	19 Mar 2019	Animal Life	None
D8-B	19 Mar 2019	Floatables	None
D8-B	19 Mar 2019	Water Color	Green
D8-B	19 Mar 2019	Current Direction	N
D8-B	19 Mar 2019	Water Temp (C)	16.2
D8-B	19 Mar 2019	Wave Height Low (ft)	2
D8-B	19 Mar 2019	High Tide (ft)	6.1
D8-B	19 Mar 2019	High Tide Time	828
D8-B	19 Mar 2019	Low Tide (ft)	-1.3
D8-B	19 Mar 2019	Low Tide Time	1513
D8-B	19 Mar 2019	Comments	Kelp; Seagrass; Water clear
D8-B	27 Mar 2019	Arrive Time	846
D8-B	27 Mar 2019	Weather	Partly Cloudy
D8-B	27 Mar 2019	Wind Speed (kts)	0
D8-B	27 Mar 2019	Wind Dir	
D8-B	27 Mar 2019	Animal Life	8 Pelicans
D8-B	27 Mar 2019	Floatables	None
D8-B	27 Mar 2019	Water Color	Green
D8-B	27 Mar 2019	Current Direction	
D8-B	27 Mar 2019	Water Temp (C)	17.5
D8-B	27 Mar 2019	Wave Height Low (ft)	1
D8-B	27 Mar 2019	High Tide (ft)	4.3
D8-B	27 Mar 2019	High Tide Time	214
D8-B	27 Mar 2019	Low Tide (ft)	0.6
D8-B	27 Mar 2019	Low Tide Time	1016
D8-B	27 Mar 2019	Comments	Kelp; Seagrass; 3 Boats; Water clear
D9	06 Mar 2019	Arrive Time	914
D9	06 Mar 2019	Weather	Sunny
D9	06 Mar 2019	Wind Speed (kts)	5.5
D9	06 Mar 2019	Wind Dir	N
D9	06 Mar 2019	Animal Life	None
D9	06 Mar 2019	Floatables	None
D9	06 Mar 2019	Water Color	Green
D9	06 Mar 2019	Current Direction	N
D9	06 Mar 2019	Water Temp (C)	17.2
D9	06 Mar 2019	Wave Height Low (ft)	2
D9	06 Mar 2019	High Tide (ft)	5.3
D9	06 Mar 2019	High Tide Time	838
D9	06 Mar 2019	Low Tide (ft)	-0.4
D9	06 Mar 2019	Low Tide Time	1518
D9	06 Mar 2019	Comments	Seagrass; Algae; Water clear

Station	Date	Parameter	Value
D9	13 Mar 2019	Arrive Time	910
D9	13 Mar 2019	Weather	Sunny
D9	13 Mar 2019	Wind Speed (kts)	2.7
D9	13 Mar 2019	Wind Dir	W
D9	13 Mar 2019	Animal Life	None
D9	13 Mar 2019	Floatables	None
D9	13 Mar 2019	Water Color	Green
D9	13 Mar 2019	Current Direction	W
D9	13 Mar 2019	Water Temp (C)	16.4
D9	13 Mar 2019	Wave Height Low (ft)	3
D9	13 Mar 2019	High Tide (ft)	2.5
D9	13 Mar 2019	High Tide Time	1601
D9	13 Mar 2019	Low Tide (ft)	0.9
D9	13 Mar 2019	Low Tide Time	927
D9	13 Mar 2019	Comments	Debris; Water clear
D9	19 Mar 2019	Arrive Time	959
D9	19 Mar 2019	Weather	Partly Cloudy
D9	19 Mar 2019	Wind Speed (kts)	1.6
D9	19 Mar 2019	Wind Dir	S
D9	19 Mar 2019	Animal Life	None
D9	19 Mar 2019	Floatables	None
D9	19 Mar 2019	Water Color	Green
D9	19 Mar 2019	Current Direction	N
D9	19 Mar 2019	Water Temp (C)	16.2
D9	19 Mar 2019	Wave Height Low (ft)	2
D9	19 Mar 2019	High Tide (ft)	6.1
D9	19 Mar 2019	High Tide Time	828
D9	19 Mar 2019	Low Tide (ft)	-1.3
D9	19 Mar 2019	Low Tide Time	1513
D9	19 Mar 2019	Comments	Kelp; Seagrass; Water clear
D9	27 Mar 2019	Arrive Time	912
D9	27 Mar 2019	Weather	Overcast
D9	27 Mar 2019	Wind Speed (kts)	2.7
D9	27 Mar 2019	Wind Dir	E
D9	27 Mar 2019	Animal Life	None
D9	27 Mar 2019	Floatables	None
D9	27 Mar 2019	Water Color	Green
D9	27 Mar 2019	Current Direction	E
D9	27 Mar 2019	Water Temp (C)	18.2
D9	27 Mar 2019	Wave Height Low (ft)	4
D9	27 Mar 2019	High Tide (ft)	4.3
D9	27 Mar 2019	High Tide Time	214
D9	27 Mar 2019	Low Tide (ft)	0.6
D9	27 Mar 2019	Low Tide Time	1016
D9	27 Mar 2019	Comments	Kelp; Seagrass; Algae; 1 Person; Water clear
D10	06 Mar 2019	Arrive Time	933
D10	06 Mar 2019	Weather	Partly Cloudy
D10	06 Mar 2019	Wind Speed (kts)	1.7
D10	06 Mar 2019	Wind Dir	SE
D10	06 Mar 2019	Animal Life	None
D10	06 Mar 2019	Floatables	None

Station	Date	Parameter	Value
D10	06 Mar 2019	Water Color	Green
D10	06 Mar 2019	Current Direction	N
D10	06 Mar 2019	Water Temp (C)	17.5
D10	06 Mar 2019	Wave Height Low (ft)	2
D10	06 Mar 2019	High Tide (ft)	5.3
D10	06 Mar 2019	High Tide Time	838
D10	06 Mar 2019	Low Tide (ft)	-0.4
D10	06 Mar 2019	Low Tide Time	1518
D10	06 Mar 2019	Comments	1 Person; Water clear
D10	13 Mar 2019	Arrive Time	931
D10	13 Mar 2019	Weather	Sunny
D10	13 Mar 2019	Wind Speed (kts)	2.3
D10	13 Mar 2019	Wind Dir	N
D10	13 Mar 2019	Animal Life	22 Seagulls
D10	13 Mar 2019	Floatables	Foam
D10	13 Mar 2019	Water Color	Green
D10	13 Mar 2019	Current Direction	N
D10	13 Mar 2019	Water Temp (C)	16.7
D10	13 Mar 2019	Wave Height Low (ft)	6
D10	13 Mar 2019	High Tide (ft)	2.5
D10	13 Mar 2019	High Tide Time	1601
D10	13 Mar 2019	Low Tide (ft)	0.9
D10	13 Mar 2019	Low Tide Time	927
D10	13 Mar 2019	Comments	18 Persons; Water clear
D10	19 Mar 2019	Arrive Time	1013
D10	19 Mar 2019	Weather	Sunny
D10	19 Mar 2019	Wind Speed (kts)	4.8
D10	19 Mar 2019	Wind Dir	S
D10	19 Mar 2019	Animal Life	None
D10	19 Mar 2019	Floatables	None
D10	19 Mar 2019	Water Color	Green
D10	19 Mar 2019	Current Direction	N
D10	19 Mar 2019	Water Temp (C)	18.6
D10	19 Mar 2019	Wave Height Low (ft)	4
D10	19 Mar 2019	High Tide (ft)	6.1
D10	19 Mar 2019	High Tide Time	828
D10	19 Mar 2019	Low Tide (ft)	-1.3
D10	19 Mar 2019	Low Tide Time	1513
D10	19 Mar 2019	Comments	Seagrass; 4 Persons; 14 Surfers; Water clear
D10	27 Mar 2019	Arrive Time	922
D10	27 Mar 2019	Weather	Overcast
D10	27 Mar 2019	Wind Speed (kts)	3.1
D10	27 Mar 2019	Wind Dir	E
D10	27 Mar 2019	Animal Life	10 Seagulls
D10	27 Mar 2019	Floatables	Foam
D10	27 Mar 2019	Water Color	Green
D10	27 Mar 2019	Current Direction	E
D10	27 Mar 2019	Water Temp (C)	17.5
D10	27 Mar 2019	Wave Height Low (ft)	4
D10	27 Mar 2019	High Tide (ft)	4.3
D10	27 Mar 2019	High Tide Time	214
D10	27 Mar 2019	Low Tide (ft)	0.6

Station	Date	Parameter	Value
D10	27 Mar 2019	Low Tide Time	1016
D10	27 Mar 2019	Comments	Kelp; Seagrass; 27 Persons; 12 Surfers; Water clear
D11	06 Mar 2019	Arrive Time	956
D11	06 Mar 2019	Weather	Moderate Rain
D11	06 Mar 2019	Wind Speed (kts)	6.2
D11	06 Mar 2019	Wind Dir	S
D11	06 Mar 2019	Animal Life	None
D11	06 Mar 2019	Floatables	None
D11	06 Mar 2019	Water Color	Green
D11	06 Mar 2019	Current Direction	N
D11	06 Mar 2019	Water Temp (C)	17.2
D11	06 Mar 2019	Wave Height Low (ft)	3
D11	06 Mar 2019	High Tide (ft)	5.3
D11	06 Mar 2019	High Tide Time	838
D11	06 Mar 2019	Low Tide (ft)	-0.4
D11	06 Mar 2019	Low Tide Time	1518
D11	06 Mar 2019	Comments	3 Persons; 1 Surfer; Water clear
D11	13 Mar 2019	Arrive Time	1012
D11	13 Mar 2019	Weather	Sunny
D11	13 Mar 2019	Wind Speed (kts)	2.5
D11	13 Mar 2019	Wind Dir	N
D11	13 Mar 2019	Animal Life	None
D11	13 Mar 2019	Floatables	Foam
D11	13 Mar 2019	Water Color	Green
D11	13 Mar 2019	Current Direction	N
D11	13 Mar 2019	Water Temp (C)	16.7
D11	13 Mar 2019	Wave Height Low (ft)	5
D11	13 Mar 2019	High Tide (ft)	2.5
D11	13 Mar 2019	High Tide Time	1601
D11	13 Mar 2019	Low Tide (ft)	0.9
D11	13 Mar 2019	Low Tide Time	927
D11	13 Mar 2019	Comments	24 Persons; Water clear
D11	15 Mar 2019	Arrive Time	1028
D11	15 Mar 2019	Weather	Sunny
D11	15 Mar 2019	Wind Speed (kts)	0.3
D11	15 Mar 2019	Wind Dir	W
D11	15 Mar 2019	Animal Life	None
D11	15 Mar 2019	Floatables	None
D11	15 Mar 2019	Water Color	Green
D11	15 Mar 2019	Current Direction	N
D11	15 Mar 2019	Water Temp (C)	16.6
D11	15 Mar 2019	Wave Height Low (ft)	2
D11	15 Mar 2019	High Tide (ft)	4.6
D11	15 Mar 2019	High Tide Time	427
D11	15 Mar 2019	Low Tide (ft)	0
D11	15 Mar 2019	Low Tide Time	1219
D11	15 Mar 2019	Comments	Resample; 4 Persons; 22 Surfers; 2 Swimmers; Water clear
D11	19 Mar 2019	Arrive Time	1034
D11	19 Mar 2019	Weather	Sunny
D11	19 Mar 2019	Wind Speed (kts)	2.6
D11	19 Mar 2019	Wind Dir	S

Station	Date	Parameter	Value
D11	19 Mar 2019	Animal Life	None
D11	19 Mar 2019	Floatables	None
D11	19 Mar 2019	Water Color	Green
D11	19 Mar 2019	Current Direction	N
D11	19 Mar 2019	Water Temp (C)	19.1
D11	19 Mar 2019	Wave Height Low (ft)	4
D11	19 Mar 2019	High Tide (ft)	6.1
D11	19 Mar 2019	High Tide Time	828
D11	19 Mar 2019	Low Tide (ft)	-1.3
D11	19 Mar 2019	Low Tide Time	1513
D11	19 Mar 2019	Comments	Seagrass; 11 Persons; 15 Surfers; Water clear
D11	27 Mar 2019	Arrive Time	958
D11	27 Mar 2019	Weather	Partly Cloudy
D11	27 Mar 2019	Wind Speed (kts)	1.5
D11	27 Mar 2019	Wind Dir	E
D11	27 Mar 2019	Animal Life	None
D11	27 Mar 2019	Floatables	Foam
D11	27 Mar 2019	Water Color	Green
D11	27 Mar 2019	Current Direction	E
D11	27 Mar 2019	Water Temp (C)	21
D11	27 Mar 2019	Wave Height Low (ft)	3
D11	27 Mar 2019	High Tide (ft)	4.3
D11	27 Mar 2019	High Tide Time	214
D11	27 Mar 2019	Low Tide (ft)	0.6
D11	27 Mar 2019	Low Tide Time	1016
D11	27 Mar 2019	Comments	Kelp; Seagrass; 5 Persons; 5 Surfers; 2 Swimmers; Water clear
D12	06 Mar 2019	Arrive Time	1025
D12	06 Mar 2019	Weather	Partly Cloudy
D12	06 Mar 2019	Wind Speed (kts)	5.6
D12	06 Mar 2019	Wind Dir	S
D12	06 Mar 2019	Animal Life	10 Birds
D12	06 Mar 2019	Floatables	None
D12	06 Mar 2019	Water Color	Green
D12	06 Mar 2019	Current Direction	N
D12	06 Mar 2019	Water Temp (C)	17.5
D12	06 Mar 2019	Wave Height Low (ft)	2
D12	06 Mar 2019	High Tide (ft)	5.3
D12	06 Mar 2019	High Tide Time	838
D12	06 Mar 2019	Low Tide (ft)	-0.4
D12	06 Mar 2019	Low Tide Time	1518
D12	06 Mar 2019	Comments	3 Persons; Water clear
D12	13 Mar 2019	Arrive Time	1038
D12	13 Mar 2019	Weather	Partly Cloudy
D12	13 Mar 2019	Wind Speed (kts)	5.4
D12	13 Mar 2019	Wind Dir	E
D12	13 Mar 2019	Animal Life	10 Seagulls
D12	13 Mar 2019	Floatables	None
D12	13 Mar 2019	Water Color	Green
D12	13 Mar 2019	Current Direction	E
D12	13 Mar 2019	Water Temp (C)	17.1
D12	13 Mar 2019	Wave Height Low (ft)	3
D12	13 Mar 2019	High Tide (ft)	2.5

Station	Date	Parameter	Value
D12	13 Mar 2019	High Tide Time	1601
D12	13 Mar 2019	Low Tide (ft)	0.9
D12	13 Mar 2019	Low Tide Time	927
D12	13 Mar 2019	Comments	50 Persons; Water clear
D12	19 Mar 2019	Arrive Time	1102
D12	19 Mar 2019	Weather	Sunny
D12	19 Mar 2019	Wind Speed (kts)	5.3
D12	19 Mar 2019	Wind Dir	S
D12	19 Mar 2019	Animal Life	None
D12	19 Mar 2019	Floatables	None
D12	19 Mar 2019	Water Color	Green
D12	19 Mar 2019	Current Direction	N
D12	19 Mar 2019	Water Temp (C)	17.1
D12	19 Mar 2019	Wave Height Low (ft)	3
D12	19 Mar 2019	High Tide (ft)	6.1
D12	19 Mar 2019	High Tide Time	828
D12	19 Mar 2019	Low Tide (ft)	-1.3
D12	19 Mar 2019	Low Tide Time	1513
D12	19 Mar 2019	Comments	Seagrass; 9 Persons; 4 Surfers; 6 Swimmers; Water clear
D12	27 Mar 2019	Arrive Time	1036
D12	27 Mar 2019	Weather	Overcast
D12	27 Mar 2019	Wind Speed (kts)	3.1
D12	27 Mar 2019	Wind Dir	E
D12	27 Mar 2019	Animal Life	3 Seagulls
D12	27 Mar 2019	Floatables	None
D12	27 Mar 2019	Water Color	Green
D12	27 Mar 2019	Current Direction	E
D12	27 Mar 2019	Water Temp (C)	19
D12	27 Mar 2019	Wave Height Low (ft)	2
D12	27 Mar 2019	High Tide (ft)	2.9
D12	27 Mar 2019	High Tide Time	1803
D12	27 Mar 2019	Low Tide (ft)	0.6
D12	27 Mar 2019	Low Tide Time	1016
D12	27 Mar 2019	Comments	45 Persons; Water clear



# Kelp Stations



**Table 3.1**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Mar 2019	111*	20*	57*	10*	4*	3*	8*	11*
02 Mar 2019	111*	20*	57*	10*	4*	3*	8*	11*
03 Mar 2019	111*	20*	57*	10*	4*	3*	8*	11*
04 Mar 2019	112	21	63	8	3	3	8	9
05 Mar 2019	112	21	63	8	3	3	8	9
06 Mar 2019	112	21	63	8	3	3	8	9
07 Mar 2019	112	21	63	8	3	3	8	9
08 Mar 2019	112	21	63	8	3	3	8	9
09 Mar 2019	107*	25*	74*	7*	4*	3*	8*	9*
10 Mar 2019	107*	25*	74*	7*	4*	3*	8*	9*
11 Mar 2019	48	15	45	5	3	2	6	9
12 Mar 2019	48	15	45	5	3	2	6	9
13 Mar 2019	51*	22*	56*	5*	4*	3*	8*	11*
14 Mar 2019	51*	22*	56*	5*	4*	3*	8*	11*
15 Mar 2019	51*	22*	56*	5*	4*	3*	8*	11*
16 Mar 2019	51*	22*	56*	5*	4*	3*	8*	11*
17 Mar 2019	51*	22*	56*	5*	4*	3*	8*	11*
18 Mar 2019	26	16	32	4	4	2	6	10
19 Mar 2019	26	16	32	4	4	2	6	10
20 Mar 2019	26	16	32	4	4	2	6	10
21 Mar 2019	14*	6*	19*	2*	4*	2*	4*	10*
22 Mar 2019	14*	6*	19*	2*	4*	2*	4*	10*
23 Mar 2019	14*	6*	19*	2*	4*	2*	4*	10*
24 Mar 2019	14*	6*	19*	2*	4*	2*	4*	10*
25 Mar 2019	15	7	16	2	3	2	4	7
26 Mar 2019	15	7	16	2	3	2	4	7
27 Mar 2019	10*	7*	12*	2*	3*	2*	4*	5*
28 Mar 2019	10*	7*	12*	2*	3*	2*	4*	5*
29 Mar 2019	10*	7*	12*	2*	3*	2*	4*	5*
30 Mar 2019	10*	7*	12*	2*	3*	2*	4*	5*
31 Mar 2019	10*	7*	12*	2*	3*	2*	4*	5*

\* 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 Mar 2019	15*	8*	11*	3*	2*	2*	3*	2*
02 Mar 2019	15*	8*	11*	3*	2*	2*	3*	2*
03 Mar 2019	15*	8*	11*	3*	2*	2*	3*	2*
04 Mar 2019	12	7	11	3	2	2	3	2
05 Mar 2019	12	7	11	3	2	2	3	2
06 Mar 2019	12	7	11	3	2	2	3	2
07 Mar 2019	12	7	11	3	2	2	3	2
08 Mar 2019	12	7	11	3	2	2	3	2
09 Mar 2019	10*	9*	14*	3*	2*	2*	3*	3*
10 Mar 2019	10*	9*	14*	3*	2*	2*	3*	3*
11 Mar 2019	7	7	10	3	2	2	3	3
12 Mar 2019	7	7	10	3	2	2	3	3
13 Mar 2019	6*	8*	10*	3*	2*	2*	3*	3*
14 Mar 2019	6*	8*	10*	3*	2*	2*	3*	3*
15 Mar 2019	6*	8*	10*	3*	2*	2*	3*	3*
16 Mar 2019	6*	8*	10*	3*	2*	2*	3*	3*
17 Mar 2019	6*	8*	10*	3*	2*	2*	3*	3*
18 Mar 2019	5	6	7	3	2	2	3	3
19 Mar 2019	5	6	7	3	2	2	3	3
20 Mar 2019	5	6	7	3	2	2	3	3
21 Mar 2019	3*	3*	4*	2*	2*	2*	2*	3*
22 Mar 2019	3*	3*	4*	2*	2*	2*	2*	3*
23 Mar 2019	3*	3*	4*	2*	2*	2*	2*	3*
24 Mar 2019	3*	3*	4*	2*	2*	2*	2*	3*
25 Mar 2019	3	3	4	2	2	2	2	3
26 Mar 2019	3	3	4	2	2	2	2	3
27 Mar 2019	3*	3*	3*	2*	2*	2*	2*	3*
28 Mar 2019	3*	3*	3*	2*	2*	2*	2*	3*
29 Mar 2019	3*	3*	3*	2*	2*	2*	2*	3*
30 Mar 2019	3*	3*	3*	2*	2*	2*	2*	3*
31 Mar 2019	3*	3*	3*	2*	2*	2*	2*	3*

\* 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 Mar 2019	6*	5*	3*	2*	2*	2*	2*	2*
02 Mar 2019	6*	5*	3*	2*	2*	2*	2*	2*
03 Mar 2019	6*	5*	3*	2*	2*	2*	2*	2*
04 Mar 2019	5	4	3	2	2	2	2	2
05 Mar 2019	5	4	3	2	2	2	2	2
06 Mar 2019	5	4	3	2	2	2	2	2
07 Mar 2019	5	4	3	2	2	2	2	2
08 Mar 2019	5	4	3	2	2	2	2	2
09 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
10 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
11 Mar 2019	4	4	3	2	2	2	2	2
12 Mar 2019	4	4	3	2	2	2	2	2
13 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
14 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
15 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
16 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
17 Mar 2019	4*	4*	3*	2*	2*	2*	2*	2*
18 Mar 2019	4	4	3	2	2	2	2	2
19 Mar 2019	4	4	3	2	2	2	2	2
20 Mar 2019	4	4	3	2	2	2	2	2
21 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
22 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
23 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
24 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
25 Mar 2019	2	2	2	2	2	2	2	2
26 Mar 2019	2	2	2	2	2	2	2	2
27 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
28 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
29 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
30 Mar 2019	2*	2*	2*	2*	2*	2*	2*	2*
31 Mar 2019	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
04 Mar 2019	IC							
11 Mar 2019	IC							
18 Mar 2019	IC							
25 Mar 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.5**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
04 Mar 2019	IC							
11 Mar 2019	IC							
18 Mar 2019	IC							
25 Mar 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.6**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
04 Mar 2019	IC							
11 Mar 2019	IC							
18 Mar 2019	IC							
25 Mar 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.7**

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
04 Mar 2019	IC							
11 Mar 2019	IC							
18 Mar 2019	IC							
25 Mar 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.8**

Summary of water quality parameters at the PLOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (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	04 Mar 2019	754	1	4e	<2	4e	0.50	14.2	83.14	8.6	33.50	8.2
A1	04 Mar 2019	754	12	4e	<2	<2	0.50	13.0	83.92	7.0	33.64	8.1
A1	04 Mar 2019	754	18	340e	14e	4e	0.04	11.5	83.47	5.0	33.70	7.9
A1	11 Mar 2019	717	1	<2	2e	<2	1.00	13.8	79.42	8.2	33.57	8.1
A1	11 Mar 2019	717	12	<2	<2	<2	1.00	13.7	80.14	8.1	33.57	8.1
A1	11 Mar 2019	717	18	2e	<2	<2	1.00	13.3	80.85	7.2	33.61	8.1
A1	18 Mar 2019	804	1	<2	<2	2e	1.00	14.9	83.59	8.6	33.54	8.2
A1	18 Mar 2019	804	12	<2	<2	<2	1.00	13.9	83.39	7.4	33.55	8.1
A1	18 Mar 2019	804	18	<2	<2	<2	1.00	13.0	84.30	6.4	33.60	8.0
A1	25 Mar 2019	826	1	2e	<2	<2	1.00	15.1	81.58	8.0	33.56	8.0
A1	25 Mar 2019	826	12	30e	6e	<2	0.20	13.4	82.79	6.9	33.61	7.9
A1	25 Mar 2019	826	18	38e	10e	4e	0.26	13.2	80.76	6.5	33.61	7.9
A6	04 Mar 2019	821	1	<2	<2	<2	1.00	14.3	81.16	8.6	33.54	8.2
A6	04 Mar 2019	821	12	6e	<2	<2	0.33	13.8	82.73	8.0	33.59	8.1
A6	04 Mar 2019	821	18	72	10e	<2	0.14	12.8	83.88	6.4	33.65	8.1
A6	11 Mar 2019	743	1	<2	<2	<2	1.00	13.8	NA	8.4	33.54	8.1
A6	11 Mar 2019	743	12	<2	<2	<2	1.00	13.6	NA	8.1	33.55	8.1
A6	11 Mar 2019	743	18	<2	<2	4e	1.00	13.6	NA	7.8	33.56	8.1
A6	18 Mar 2019	828	1	2e	<2	<2	1.00	15.6	82.57	9.1	33.55	8.2
A6	18 Mar 2019	828	12	2e	<2	<2	1.00	14.0	82.50	7.8	33.57	8.1
A6	18 Mar 2019	828	18	10e	<2	<2	0.20	13.6	83.79	7.1	33.59	8.1
A6	25 Mar 2019	859	1	10e	<2	<2	0.20	15.4	75.77	8.2	33.54	8.0
A6	25 Mar 2019	859	12	24e	6e	<2	0.25	14.3	83.21	7.4	33.59	8.0
A6	25 Mar 2019	859	18	<2	<2	<2	1.00	13.5	80.95	6.4	33.61	7.9
A7	04 Mar 2019	807	1	4e	<2	<2	0.50	14.3	73.30	8.6	33.50	8.2
A7	04 Mar 2019	807	12	20e	2e	<2	0.10	13.2	84.91	7.0	33.62	8.1
A7	04 Mar 2019	807	18	260e	30e	2e	0.12	11.8	83.49	5.2	33.68	7.9
A7	11 Mar 2019	731	1	<2	<2	<2	1.00	14.2	NA	8.7	33.58	8.2
A7	11 Mar 2019	731	12	2e	<2	<2	1.00	13.6	NA	8.0	33.56	8.1
A7	11 Mar 2019	731	18	14e	<2	<2	0.14	12.9	NA	6.5	33.62	8.0
A7	18 Mar 2019	816	1	<2	<2	<2	1.00	15.3	81.40	9.0	33.54	8.2
A7	18 Mar 2019	816	12	<2	<2	<2	1.00	14.4	82.24	8.3	33.53	8.1
A7	18 Mar 2019	816	18	6e	<2	<2	0.33	13.9	82.97	7.5	33.56	8.1
A7	25 Mar 2019	840	1	<2	2e	<2	1.00	15.2	81.21	7.9	33.56	8.0
A7	25 Mar 2019	840	12	2e	2e	<2	1.00	13.9	82.72	7.0	33.59	7.9
A7	25 Mar 2019	840	18	24e	4e	4e	0.17	13.5	81.72	6.7	33.61	7.9

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C4	04 Mar 2019	939	1	4e	6e	<2	1.50	14.9	71.83	8.4	33.45	8.2
C4	04 Mar 2019	939	3	4e	<2	<2	0.50	14.8	75.69	8.4	33.46	8.2
C4	04 Mar 2019	939	9	<2	2e	<2	1.00	14.1	81.91	7.1	33.49	8.1
C4	11 Mar 2019	856	1	<2	<2	<2	1.00	13.9	80.18	8.1	33.53	8.1
C4	11 Mar 2019	856	3	<2	<2	<2	1.00	13.9	80.29	8.1	33.53	8.1
C4	11 Mar 2019	856	9	<2	<2	<2	1.00	13.7	80.06	7.6	33.55	8.1
C4	18 Mar 2019	941	1	<2	<2	<2	1.00	14.9	81.67	8.4	33.51	8.2
C4	18 Mar 2019	941	3	<2	<2	<2	1.00	14.9	81.86	8.3	33.51	8.2
C4	18 Mar 2019	941	9	<2	<2	<2	1.00	14.4	80.71	7.5	33.55	8.1
C4	25 Mar 2019	1013	1	<2	2e	<2	1.00	16.1	68.37	8.0	33.55	8.0
C4	25 Mar 2019	1013	3	<2	<2	<2	1.00	15.7	69.55	7.9	33.57	8.0
C4	25 Mar 2019	1013	9	4e	<2	<2	0.50	13.6	70.46	5.9	33.61	7.9
C5	04 Mar 2019	927	1	<2	<2	<2	1.00	14.6	82.95	8.6	33.48	8.2
C5	04 Mar 2019	927	3	<2	<2	<2	1.00	14.6	83.46	8.6	33.48	8.2
C5	04 Mar 2019	927	9	2e	<2	<2	1.00	13.9	83.45	7.5	33.52	8.1
C5	11 Mar 2019	842	1	<2	<2	<2	1.00	14.4	76.67	8.6	33.59	8.2
C5	11 Mar 2019	842	3	<2	2e	<2	1.00	14.3	76.04	8.5	33.60	8.2
C5	11 Mar 2019	842	9	<2	<2	<2	1.00	13.4	83.07	7.3	33.63	8.1
C5	18 Mar 2019	930	1	<2	<2	<2	1.00	16.0	70.51	9.0	33.58	8.2
C5	18 Mar 2019	930	3	2e	4e	<2	2.00	15.8	70.40	8.9	33.59	8.2
C5	18 Mar 2019	930	9	<20	<2	<2	0.10	13.9	80.28	7.4	33.56	8.1
C5	25 Mar 2019	1002	1	<2	<2	<2	1.00	15.7	70.85	7.8	33.56	8.0
C5	25 Mar 2019	1002	3	<2	<2	<2	1.00	15.3	73.77	7.7	33.56	8.0
C5	25 Mar 2019	1002	9	<2	<2	<2	1.00	14.0	75.69	6.9	33.60	7.9
C6	04 Mar 2019	912	1	<2	<2	<2	1.00	14.7	83.43	9.1	33.50	8.2
C6	04 Mar 2019	912	3	2e	<2	<2	1.00	14.6	83.43	9.0	33.52	8.2
C6	04 Mar 2019	912	9	<2	<2	<2	1.00	14.1	85.81	8.2	33.57	8.2
C6	11 Mar 2019	830	1	<2	<2	<2	1.00	14.0	NA	8.4	33.56	8.2
C6	11 Mar 2019	830	3	<2	<2	<2	1.00	14.0	NA	8.3	33.57	8.2
C6	11 Mar 2019	830	9	<2	<2	<2	1.00	13.1	NA	6.7	33.61	8.0
C6	18 Mar 2019	915	1	<2	<2	<2	1.00	15.9	80.78	8.9	33.56	8.3
C6	18 Mar 2019	915	3	<2	<2	<2	1.00	15.7	81.00	9.2	33.57	8.2
C6	18 Mar 2019	915	9	<2	<2	<2	1.00	14.2	83.18	8.0	33.58	8.2
C6	25 Mar 2019	951	1	4e	<2	<2	0.50	15.3	74.21	7.6	33.54	8.0
C6	25 Mar 2019	951	3	<2	2e	<2	1.00	15.1	74.57	7.5	33.55	8.0
C6	25 Mar 2019	951	9	<2	<2	<2	1.00	14.3	64.53	6.8	33.59	7.9
C7	04 Mar 2019	838	1	2e	4e	<2	2.00	14.4	82.20	8.8	33.48	8.2
C7	04 Mar 2019	838	12	6e	<2	<2	0.33	13.8	83.90	8.2	33.57	8.2
C7	04 Mar 2019	838	18	12e	4e	<2	0.33	13.1	84.45	7.1	33.60	8.1
C7	11 Mar 2019	800	1	<2	<2	<2	1.00	13.8	NA	8.3	33.57	8.1
C7	11 Mar 2019	800	12	2e	<2	<2	1.00	13.5	NA	7.7	33.57	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C7	11 Mar 2019	800	18	2e	<2	<2	1.00	13.0	NA	6.8	33.60	8.0
C7	18 Mar 2019	842	1	2e	<2	<2	1.00	15.8	83.83	8.4	33.56	8.2
C7	18 Mar 2019	842	12	<2	<2	2e	1.00	14.5	83.43	8.0	33.58	8.2
C7	18 Mar 2019	842	18	2e	2e	<2	1.00	12.9	85.38	6.3	33.61	8.0
C7	25 Mar 2019	916	1	<2	2e	<2	1.00	15.4	82.19	8.2	33.55	8.0
C7	25 Mar 2019	916	12	8e	4e	<2	0.50	14.1	82.97	7.6	33.59	8.0
C7	25 Mar 2019	916	18	12e	<2	<2	0.17	13.5	82.34	6.8	33.61	7.9
C8	04 Mar 2019	852	1	6e	6e	2e	1.00	14.7	81.48	8.7	33.40	8.2
C8	04 Mar 2019	852	12	2e	<2	<2	1.00	13.6	83.90	7.9	33.57	8.1
C8	04 Mar 2019	852	18	6e	<2	<2	0.33	13.2	84.22	7.1	33.58	8.1
C8	11 Mar 2019	811	1	4e	<2	<2	0.50	13.8	NA	8.2	33.55	8.1
C8	11 Mar 2019	811	12	<2	<2	<2	1.00	13.7	NA	8.0	33.58	8.1
C8	11 Mar 2019	811	18	30e	6e	<2	0.20	12.3	NA	5.8	33.64	8.0
C8	18 Mar 2019	854	1	2e	<2	<2	1.00	15.7	83.88	8.6	33.55	8.2
C8	18 Mar 2019	854	12	<2	<2	<2	1.00	13.6	84.10	7.5	33.59	8.1
C8	18 Mar 2019	854	18	16e	4e	<2	0.25	12.7	84.90	6.1	33.62	8.0
C8	25 Mar 2019	930	1	<2	<2	2e	1.00	15.4	79.63	8.1	33.54	8.0
C8	25 Mar 2019	930	12	2e	<2	<2	1.00	14.2	82.93	7.7	33.59	8.0
C8	25 Mar 2019	930	18	<2	<2	<2	1.00	13.8	79.13	7.4	33.60	8.0

ns = not sampled

ND = no data

**Table 3.9**

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

Station	Date	Parameter	Value
A1	04 Mar 2019	Depth (m)	19
A1	04 Mar 2019	Arrive Time	754
A1	04 Mar 2019	Depart Time	757
A1	04 Mar 2019	Air Temp (C)	14
A1	04 Mar 2019	Weather	Drizzle
A1	04 Mar 2019	Visibility (mi)	10
A1	04 Mar 2019	Wind Speed (kts)	7
A1	04 Mar 2019	Wind Dir	N
A1	04 Mar 2019	Water Color	Green
A1	04 Mar 2019	Wave Ht Low (ft)	3
A1	04 Mar 2019	Wave Period (sec)	9
A1	04 Mar 2019	Sea State	Calm
A1	04 Mar 2019	High Tide (ft)	5.28
A1	04 Mar 2019	High Tide Time	737
A1	04 Mar 2019	Low Tide (ft)	-0.54
A1	04 Mar 2019	Low Tide Time	1429
A1	04 Mar 2019	Comments	none
A1	11 Mar 2019	Depth (m)	18
A1	11 Mar 2019	Arrive Time	717
A1	11 Mar 2019	Depart Time	723
A1	11 Mar 2019	Air Temp (C)	11
A1	11 Mar 2019	Weather	Overcast
A1	11 Mar 2019	Visibility (mi)	14
A1	11 Mar 2019	Wind Speed (kts)	5
A1	11 Mar 2019	Wind Dir	E
A1	11 Mar 2019	Water Color	Bluish-Green
A1	11 Mar 2019	Wave Ht Low (ft)	4
A1	11 Mar 2019	Wave Period (sec)	13
A1	11 Mar 2019	Sea State	Calm
A1	11 Mar 2019	High Tide (ft)	3.3
A1	11 Mar 2019	High Tide Time	1236
A1	11 Mar 2019	Low Tide (ft)	0.88
A1	11 Mar 2019	Low Tide Time	648
A1	11 Mar 2019	Comments	none
A1	18 Mar 2019	Depth (m)	20
A1	18 Mar 2019	Arrive Time	804
A1	18 Mar 2019	Depart Time	808
A1	18 Mar 2019	Air Temp (C)	14
A1	18 Mar 2019	Weather	Clear
A1	18 Mar 2019	Visibility (mi)	5
A1	18 Mar 2019	Wind Speed (kts)	5
A1	18 Mar 2019	Wind Dir	E
A1	18 Mar 2019	Water Color	Green
A1	18 Mar 2019	Wave Ht Low (ft)	3
A1	18 Mar 2019	Wave Period (sec)	9
A1	18 Mar 2019	Sea State	Calm
A1	18 Mar 2019	High Tide (ft)	5.84
A1	18 Mar 2019	High Tide Time	739
A1	18 Mar 2019	Low Tide (ft)	-1.25

Station	Date	Parameter	Value
A1	18 Mar 2019	Low Tide Time	1435
A1	18 Mar 2019	Comments	Kelp
A1	25 Mar 2019	Depth (m)	18
A1	25 Mar 2019	Arrive Time	826
A1	25 Mar 2019	Depart Time	834
A1	25 Mar 2019	Air Temp (C)	14
A1	25 Mar 2019	Weather	Partly Cloudy
A1	25 Mar 2019	Visibility (mi)	9
A1	25 Mar 2019	Wind Speed (kts)	3
A1	25 Mar 2019	Wind Dir	E
A1	25 Mar 2019	Water Color	Bluish-Green
A1	25 Mar 2019	Wave Ht Low (ft)	3
A1	25 Mar 2019	Wave Period (sec)	11
A1	25 Mar 2019	Sea State	Calm
A1	25 Mar 2019	High Tide (ft)	3.22
A1	25 Mar 2019	High Tide Time	1335
A1	25 Mar 2019	Low Tide (ft)	0.2
A1	25 Mar 2019	Low Tide Time	728
A1	25 Mar 2019	Comments	none
A6	04 Mar 2019	Depth (m)	19
A6	04 Mar 2019	Arrive Time	821
A6	04 Mar 2019	Depart Time	826
A6	04 Mar 2019	Air Temp (C)	14
A6	04 Mar 2019	Weather	Drizzle
A6	04 Mar 2019	Visibility (mi)	10
A6	04 Mar 2019	Wind Speed (kts)	6
A6	04 Mar 2019	Wind Dir	NE
A6	04 Mar 2019	Water Color	Green
A6	04 Mar 2019	Wave Ht Low (ft)	3
A6	04 Mar 2019	Wave Period (sec)	9
A6	04 Mar 2019	Sea State	Calm
A6	04 Mar 2019	High Tide (ft)	5.28
A6	04 Mar 2019	High Tide Time	737
A6	04 Mar 2019	Low Tide (ft)	-0.54
A6	04 Mar 2019	Low Tide Time	1429
A6	04 Mar 2019	Comments	Kelp
A6	11 Mar 2019	Depth (m)	18
A6	11 Mar 2019	Arrive Time	743
A6	11 Mar 2019	Depart Time	747
A6	11 Mar 2019	Air Temp (C)	12
A6	11 Mar 2019	Weather	Overcast
A6	11 Mar 2019	Visibility (mi)	14
A6	11 Mar 2019	Wind Speed (kts)	7
A6	11 Mar 2019	Wind Dir	NE
A6	11 Mar 2019	Water Color	Bluish-Green
A6	11 Mar 2019	Wave Ht Low (ft)	4
A6	11 Mar 2019	Wave Period (sec)	13
A6	11 Mar 2019	Sea State	Calm
A6	11 Mar 2019	High Tide (ft)	3.3
A6	11 Mar 2019	High Tide Time	1236
A6	11 Mar 2019	Low Tide (ft)	0.88
A6	11 Mar 2019	Low Tide Time	648

Station	Date	Parameter	Value
A6	11 Mar 2019	Comments	Kelp debris; Kelp
A6	18 Mar 2019	Depth (m)	20
A6	18 Mar 2019	Arrive Time	828
A6	18 Mar 2019	Depart Time	835
A6	18 Mar 2019	Air Temp (C)	16
A6	18 Mar 2019	Weather	Clear
A6	18 Mar 2019	Visibility (mi)	5
A6	18 Mar 2019	Wind Speed (kts)	7
A6	18 Mar 2019	Wind Dir	E
A6	18 Mar 2019	Water Color	Green
A6	18 Mar 2019	Wave Ht Low (ft)	3
A6	18 Mar 2019	Wave Period (sec)	9
A6	18 Mar 2019	Sea State	Calm
A6	18 Mar 2019	High Tide (ft)	5.84
A6	18 Mar 2019	High Tide Time	739
A6	18 Mar 2019	Low Tide (ft)	-1.25
A6	18 Mar 2019	Low Tide Time	1435
A6	18 Mar 2019	Comments	Kelp
A6	25 Mar 2019	Depth (m)	19
A6	25 Mar 2019	Arrive Time	859
A6	25 Mar 2019	Depart Time	908
A6	25 Mar 2019	Air Temp (C)	14
A6	25 Mar 2019	Weather	Partly Cloudy
A6	25 Mar 2019	Visibility (mi)	9
A6	25 Mar 2019	Wind Speed (kts)	5
A6	25 Mar 2019	Wind Dir	NE
A6	25 Mar 2019	Water Color	Bluish-Green
A6	25 Mar 2019	Wave Ht Low (ft)	3
A6	25 Mar 2019	Wave Period (sec)	11
A6	25 Mar 2019	Sea State	Calm
A6	25 Mar 2019	High Tide (ft)	3.22
A6	25 Mar 2019	High Tide Time	1335
A6	25 Mar 2019	Low Tide (ft)	0.2
A6	25 Mar 2019	Low Tide Time	728
A6	25 Mar 2019	Comments	Kelp
A7	04 Mar 2019	Depth (m)	20
A7	04 Mar 2019	Arrive Time	807
A7	04 Mar 2019	Depart Time	811
A7	04 Mar 2019	Air Temp (C)	14
A7	04 Mar 2019	Weather	Drizzle
A7	04 Mar 2019	Visibility (mi)	10
A7	04 Mar 2019	Wind Speed (kts)	7
A7	04 Mar 2019	Wind Dir	NW
A7	04 Mar 2019	Water Color	Green
A7	04 Mar 2019	Wave Ht Low (ft)	3
A7	04 Mar 2019	Wave Period (sec)	9
A7	04 Mar 2019	Sea State	Calm
A7	04 Mar 2019	High Tide (ft)	5.28
A7	04 Mar 2019	High Tide Time	737
A7	04 Mar 2019	Low Tide (ft)	-0.54
A7	04 Mar 2019	Low Tide Time	1429
A7	04 Mar 2019	Comments	none

Station	Date	Parameter	Value
A7	11 Mar 2019	Depth (m)	19
A7	11 Mar 2019	Arrive Time	731
A7	11 Mar 2019	Depart Time	735
A7	11 Mar 2019	Air Temp (C)	11
A7	11 Mar 2019	Weather	Overcast
A7	11 Mar 2019	Visibility (mi)	14
A7	11 Mar 2019	Wind Speed (kts)	3
A7	11 Mar 2019	Wind Dir	E
A7	11 Mar 2019	Water Color	Bluish-Green
A7	11 Mar 2019	Wave Ht Low (ft)	4
A7	11 Mar 2019	Wave Period (sec)	13
A7	11 Mar 2019	Sea State	Calm
A7	11 Mar 2019	High Tide (ft)	3.3
A7	11 Mar 2019	High Tide Time	1236
A7	11 Mar 2019	Low Tide (ft)	0.88
A7	11 Mar 2019	Low Tide Time	648
A7	11 Mar 2019	Comments	Kelp
A7	18 Mar 2019	Depth (m)	19
A7	18 Mar 2019	Arrive Time	816
A7	18 Mar 2019	Depart Time	818
A7	18 Mar 2019	Air Temp (C)	14
A7	18 Mar 2019	Weather	Clear
A7	18 Mar 2019	Visibility (mi)	5
A7	18 Mar 2019	Wind Speed (kts)	9
A7	18 Mar 2019	Wind Dir	SE
A7	18 Mar 2019	Water Color	Green
A7	18 Mar 2019	Wave Ht Low (ft)	3
A7	18 Mar 2019	Wave Period (sec)	9
A7	18 Mar 2019	Sea State	Calm
A7	18 Mar 2019	High Tide (ft)	5.84
A7	18 Mar 2019	High Tide Time	739
A7	18 Mar 2019	Low Tide (ft)	-1.25
A7	18 Mar 2019	Low Tide Time	1435
A7	18 Mar 2019	Comments	Kelp
A7	25 Mar 2019	Depth (m)	17
A7	25 Mar 2019	Arrive Time	840
A7	25 Mar 2019	Depart Time	851
A7	25 Mar 2019	Air Temp (C)	14
A7	25 Mar 2019	Weather	Partly Cloudy
A7	25 Mar 2019	Visibility (mi)	9
A7	25 Mar 2019	Wind Speed (kts)	2
A7	25 Mar 2019	Wind Dir	NE
A7	25 Mar 2019	Water Color	Bluish-Green
A7	25 Mar 2019	Wave Ht Low (ft)	3
A7	25 Mar 2019	Wave Period (sec)	11
A7	25 Mar 2019	Sea State	Calm
A7	25 Mar 2019	High Tide (ft)	3.22
A7	25 Mar 2019	High Tide Time	1335
A7	25 Mar 2019	Low Tide (ft)	0.2
A7	25 Mar 2019	Low Tide Time	728
A7	25 Mar 2019	Comments	Kelp

Station	Date	Parameter	Value
C4	04 Mar 2019	Depth (m)	12
C4	04 Mar 2019	Arrive Time	939
C4	04 Mar 2019	Depart Time	944
C4	04 Mar 2019	Air Temp (C)	14
C4	04 Mar 2019	Weather	Overcast
C4	04 Mar 2019	Visibility (mi)	10
C4	04 Mar 2019	Wind Speed (kts)	9
C4	04 Mar 2019	Wind Dir	N
C4	04 Mar 2019	Water Color	Green
C4	04 Mar 2019	Wave Ht Low (ft)	3
C4	04 Mar 2019	Wave Period (sec)	9
C4	04 Mar 2019	Sea State	Calm
C4	04 Mar 2019	High Tide (ft)	5.28
C4	04 Mar 2019	High Tide Time	737
C4	04 Mar 2019	Low Tide (ft)	-0.54
C4	04 Mar 2019	Low Tide Time	1429
C4	04 Mar 2019	Comments	none
C4	11 Mar 2019	Depth (m)	10
C4	11 Mar 2019	Arrive Time	856
C4	11 Mar 2019	Depart Time	859
C4	11 Mar 2019	Air Temp (C)	12
C4	11 Mar 2019	Weather	Overcast
C4	11 Mar 2019	Visibility (mi)	14
C4	11 Mar 2019	Wind Speed (kts)	3
C4	11 Mar 2019	Wind Dir	E
C4	11 Mar 2019	Water Color	Greenish-Blue
C4	11 Mar 2019	Wave Ht Low (ft)	4
C4	11 Mar 2019	Wave Period (sec)	13
C4	11 Mar 2019	Sea State	Calm
C4	11 Mar 2019	High Tide (ft)	3.3
C4	11 Mar 2019	High Tide Time	1236
C4	11 Mar 2019	Low Tide (ft)	0.88
C4	11 Mar 2019	Low Tide Time	648
C4	11 Mar 2019	Comments	none
C4	18 Mar 2019	Depth (m)	12
C4	18 Mar 2019	Arrive Time	941
C4	18 Mar 2019	Depart Time	949
C4	18 Mar 2019	Air Temp (C)	15
C4	18 Mar 2019	Weather	Clear
C4	18 Mar 2019	Visibility (mi)	12
C4	18 Mar 2019	Wind Speed (kts)	4
C4	18 Mar 2019	Wind Dir	E
C4	18 Mar 2019	Water Color	Green
C4	18 Mar 2019	Wave Ht Low (ft)	3
C4	18 Mar 2019	Wave Period (sec)	9
C4	18 Mar 2019	Sea State	Calm
C4	18 Mar 2019	High Tide (ft)	5.84
C4	18 Mar 2019	High Tide Time	739
C4	18 Mar 2019	Low Tide (ft)	-1.25
C4	18 Mar 2019	Low Tide Time	1435
C4	18 Mar 2019	Comments	Kelp
C4	25 Mar 2019	Depth (m)	11

Station	Date	Parameter	Value
C4	25 Mar 2019	Arrive Time	1013
C4	25 Mar 2019	Depart Time	1019
C4	25 Mar 2019	Air Temp (C)	14
C4	25 Mar 2019	Weather	Clear
C4	25 Mar 2019	Visibility (mi)	9
C4	25 Mar 2019	Wind Speed (kts)	8
C4	25 Mar 2019	Wind Dir	NW
C4	25 Mar 2019	Water Color	Brownish-Green
C4	25 Mar 2019	Wave Ht Low (ft)	4
C4	25 Mar 2019	Wave Period (sec)	11
C4	25 Mar 2019	Sea State	Calm
C4	25 Mar 2019	High Tide (ft)	3.22
C4	25 Mar 2019	High Tide Time	1335
C4	25 Mar 2019	Low Tide (ft)	0.2
C4	25 Mar 2019	Low Tide Time	728
C4	25 Mar 2019	Comments	Kelp
C5	04 Mar 2019	Depth (m)	12
C5	04 Mar 2019	Arrive Time	927
C5	04 Mar 2019	Depart Time	931
C5	04 Mar 2019	Air Temp (C)	14
C5	04 Mar 2019	Weather	Overcast
C5	04 Mar 2019	Visibility (mi)	10
C5	04 Mar 2019	Wind Speed (kts)	7
C5	04 Mar 2019	Wind Dir	NW
C5	04 Mar 2019	Water Color	Green
C5	04 Mar 2019	Wave Ht Low (ft)	3
C5	04 Mar 2019	Wave Period (sec)	9
C5	04 Mar 2019	Sea State	Calm
C5	04 Mar 2019	High Tide (ft)	5.28
C5	04 Mar 2019	High Tide Time	737
C5	04 Mar 2019	Low Tide (ft)	-0.54
C5	04 Mar 2019	Low Tide Time	1429
C5	04 Mar 2019	Comments	Kelp; Lobster floats
C5	11 Mar 2019	Depth (m)	12
C5	11 Mar 2019	Arrive Time	842
C5	11 Mar 2019	Depart Time	847
C5	11 Mar 2019	Air Temp (C)	12
C5	11 Mar 2019	Weather	Overcast
C5	11 Mar 2019	Visibility (mi)	14
C5	11 Mar 2019	Wind Speed (kts)	5
C5	11 Mar 2019	Wind Dir	E
C5	11 Mar 2019	Water Color	Greenish-Blue
C5	11 Mar 2019	Wave Ht Low (ft)	4
C5	11 Mar 2019	Wave Period (sec)	13
C5	11 Mar 2019	Sea State	Calm
C5	11 Mar 2019	High Tide (ft)	3.3
C5	11 Mar 2019	High Tide Time	1236
C5	11 Mar 2019	Low Tide (ft)	0.88
C5	11 Mar 2019	Low Tide Time	648
C5	11 Mar 2019	Comments	Kelp debris
C5	18 Mar 2019	Depth (m)	10
C5	18 Mar 2019	Arrive Time	930

Station	Date	Parameter	Value
C5	18 Mar 2019	Depart Time	937
C5	18 Mar 2019	Air Temp (C)	15
C5	18 Mar 2019	Weather	Clear
C5	18 Mar 2019	Visibility (mi)	5
C5	18 Mar 2019	Wind Speed (kts)	8
C5	18 Mar 2019	Wind Dir	SE
C5	18 Mar 2019	Water Color	Brownish-Green
C5	18 Mar 2019	Wave Ht Low (ft)	3
C5	18 Mar 2019	Wave Period (sec)	9
C5	18 Mar 2019	Sea State	Calm
C5	18 Mar 2019	High Tide (ft)	5.84
C5	18 Mar 2019	High Tide Time	739
C5	18 Mar 2019	Low Tide (ft)	-1.25
C5	18 Mar 2019	Low Tide Time	1435
C5	18 Mar 2019	Comments	Kelp debris
C5	25 Mar 2019	Depth (m)	11
C5	25 Mar 2019	Arrive Time	1002
C5	25 Mar 2019	Depart Time	1008
C5	25 Mar 2019	Air Temp (C)	14
C5	25 Mar 2019	Weather	Clear
C5	25 Mar 2019	Visibility (mi)	9
C5	25 Mar 2019	Wind Speed (kts)	5
C5	25 Mar 2019	Wind Dir	NW
C5	25 Mar 2019	Water Color	Brownish-Green
C5	25 Mar 2019	Wave Ht Low (ft)	4
C5	25 Mar 2019	Wave Period (sec)	11
C5	25 Mar 2019	Sea State	Calm
C5	25 Mar 2019	High Tide (ft)	3.22
C5	25 Mar 2019	High Tide Time	1335
C5	25 Mar 2019	Low Tide (ft)	0.2
C5	25 Mar 2019	Low Tide Time	728
C5	25 Mar 2019	Comments	Kelp
C6	04 Mar 2019	Depth (m)	10
C6	04 Mar 2019	Arrive Time	912
C6	04 Mar 2019	Depart Time	917
C6	04 Mar 2019	Air Temp (C)	14
C6	04 Mar 2019	Weather	Drizzle
C6	04 Mar 2019	Visibility (mi)	10
C6	04 Mar 2019	Wind Speed (kts)	6
C6	04 Mar 2019	Wind Dir	NW
C6	04 Mar 2019	Water Color	Green
C6	04 Mar 2019	Wave Ht Low (ft)	3
C6	04 Mar 2019	Wave Period (sec)	9
C6	04 Mar 2019	Sea State	Calm
C6	04 Mar 2019	High Tide (ft)	5.28
C6	04 Mar 2019	High Tide Time	737
C6	04 Mar 2019	Low Tide (ft)	-0.54
C6	04 Mar 2019	Low Tide Time	1429
C6	04 Mar 2019	Comments	Kelp
C6	11 Mar 2019	Depth (m)	10
C6	11 Mar 2019	Arrive Time	830
C6	11 Mar 2019	Depart Time	833

Station	Date	Parameter	Value
C6	11 Mar 2019	Air Temp (C)	12
C6	11 Mar 2019	Weather	Overcast
C6	11 Mar 2019	Visibility (mi)	14
C6	11 Mar 2019	Wind Speed (kts)	5
C6	11 Mar 2019	Wind Dir	E
C6	11 Mar 2019	Water Color	Greenish-Blue
C6	11 Mar 2019	Wave Ht Low (ft)	4
C6	11 Mar 2019	Wave Period (sec)	13
C6	11 Mar 2019	Sea State	Calm
C6	11 Mar 2019	High Tide (ft)	3.3
C6	11 Mar 2019	High Tide Time	1236
C6	11 Mar 2019	Low Tide (ft)	0.88
C6	11 Mar 2019	Low Tide Time	648
C6	11 Mar 2019	Comments	Kelp
C6	18 Mar 2019	Depth (m)	9
C6	18 Mar 2019	Arrive Time	915
C6	18 Mar 2019	Depart Time	920
C6	18 Mar 2019	Air Temp (C)	17
C6	18 Mar 2019	Weather	Clear
C6	18 Mar 2019	Visibility (mi)	5
C6	18 Mar 2019	Wind Speed (kts)	4
C6	18 Mar 2019	Wind Dir	SE
C6	18 Mar 2019	Water Color	Green
C6	18 Mar 2019	Wave Ht Low (ft)	3
C6	18 Mar 2019	Wave Period (sec)	9
C6	18 Mar 2019	Sea State	Calm
C6	18 Mar 2019	High Tide (ft)	5.84
C6	18 Mar 2019	High Tide Time	739
C6	18 Mar 2019	Low Tide (ft)	-1.25
C6	18 Mar 2019	Low Tide Time	1435
C6	18 Mar 2019	Comments	Kelp
C6	25 Mar 2019	Depth (m)	9
C6	25 Mar 2019	Arrive Time	951
C6	25 Mar 2019	Depart Time	957
C6	25 Mar 2019	Air Temp (C)	14
C6	25 Mar 2019	Weather	Clear
C6	25 Mar 2019	Visibility (mi)	9
C6	25 Mar 2019	Wind Speed (kts)	4
C6	25 Mar 2019	Wind Dir	NW
C6	25 Mar 2019	Water Color	Greenish-Brown
C6	25 Mar 2019	Wave Ht Low (ft)	4
C6	25 Mar 2019	Wave Period (sec)	11
C6	25 Mar 2019	Sea State	Calm
C6	25 Mar 2019	High Tide (ft)	3.22
C6	25 Mar 2019	High Tide Time	1335
C6	25 Mar 2019	Low Tide (ft)	0.2
C6	25 Mar 2019	Low Tide Time	728
C6	25 Mar 2019	Comments	Kelp
C7	04 Mar 2019	Depth (m)	20
C7	04 Mar 2019	Arrive Time	838
C7	04 Mar 2019	Depart Time	842
C7	04 Mar 2019	Air Temp (C)	14

Station	Date	Parameter	Value
C7	04 Mar 2019	Weather	Drizzle
C7	04 Mar 2019	Visibility (mi)	10
C7	04 Mar 2019	Wind Speed (kts)	4
C7	04 Mar 2019	Wind Dir	NE
C7	04 Mar 2019	Water Color	Green
C7	04 Mar 2019	Wave Ht Low (ft)	3
C7	04 Mar 2019	Wave Period (sec)	9
C7	04 Mar 2019	Sea State	Calm
C7	04 Mar 2019	High Tide (ft)	5.28
C7	04 Mar 2019	High Tide Time	737
C7	04 Mar 2019	Low Tide (ft)	-0.54
C7	04 Mar 2019	Low Tide Time	1429
C7	04 Mar 2019	Comments	none
C7	11 Mar 2019	Depth (m)	18
C7	11 Mar 2019	Arrive Time	800
C7	11 Mar 2019	Depart Time	802
C7	11 Mar 2019	Air Temp (C)	12
C7	11 Mar 2019	Weather	Overcast
C7	11 Mar 2019	Visibility (mi)	14
C7	11 Mar 2019	Wind Speed (kts)	3
C7	11 Mar 2019	Wind Dir	NE
C7	11 Mar 2019	Water Color	Bluish-Green
C7	11 Mar 2019	Wave Ht Low (ft)	4
C7	11 Mar 2019	Wave Period (sec)	13
C7	11 Mar 2019	Sea State	Calm
C7	11 Mar 2019	High Tide (ft)	3.3
C7	11 Mar 2019	High Tide Time	1236
C7	11 Mar 2019	Low Tide (ft)	0.88
C7	11 Mar 2019	Low Tide Time	648
C7	11 Mar 2019	Comments	Kelp debris
C7	18 Mar 2019	Depth (m)	20
C7	18 Mar 2019	Arrive Time	842
C7	18 Mar 2019	Depart Time	845
C7	18 Mar 2019	Air Temp (C)	16
C7	18 Mar 2019	Weather	Clear
C7	18 Mar 2019	Visibility (mi)	5
C7	18 Mar 2019	Wind Speed (kts)	6
C7	18 Mar 2019	Wind Dir	SE
C7	18 Mar 2019	Water Color	Green
C7	18 Mar 2019	Wave Ht Low (ft)	3
C7	18 Mar 2019	Wave Period (sec)	9
C7	18 Mar 2019	Sea State	Calm
C7	18 Mar 2019	High Tide (ft)	5.84
C7	18 Mar 2019	High Tide Time	739
C7	18 Mar 2019	Low Tide (ft)	-1.25
C7	18 Mar 2019	Low Tide Time	1435
C7	18 Mar 2019	Comments	Kelp debris
C7	25 Mar 2019	Depth (m)	18
C7	25 Mar 2019	Arrive Time	916
C7	25 Mar 2019	Depart Time	923
C7	25 Mar 2019	Air Temp (C)	14
C7	25 Mar 2019	Weather	Partly Cloudy

Station	Date	Parameter	Value
C7	25 Mar 2019	Visibility (mi)	9
C7	25 Mar 2019	Wind Speed (kts)	4
C7	25 Mar 2019	Wind Dir	N
C7	25 Mar 2019	Water Color	Green
C7	25 Mar 2019	Wave Ht Low (ft)	4
C7	25 Mar 2019	Wave Period (sec)	11
C7	25 Mar 2019	Sea State	Calm
C7	25 Mar 2019	High Tide (ft)	3.22
C7	25 Mar 2019	High Tide Time	1335
C7	25 Mar 2019	Low Tide (ft)	0.2
C7	25 Mar 2019	Low Tide Time	728
C7	25 Mar 2019	Comments	Kelp
C8	04 Mar 2019	Depth (m)	21
C8	04 Mar 2019	Arrive Time	852
C8	04 Mar 2019	Depart Time	856
C8	04 Mar 2019	Air Temp (C)	14
C8	04 Mar 2019	Weather	Drizzle
C8	04 Mar 2019	Visibility (mi)	10
C8	04 Mar 2019	Wind Speed (kts)	4
C8	04 Mar 2019	Wind Dir	N
C8	04 Mar 2019	Water Color	Green
C8	04 Mar 2019	Wave Ht Low (ft)	3
C8	04 Mar 2019	Wave Period (sec)	9
C8	04 Mar 2019	Sea State	Calm
C8	04 Mar 2019	High Tide (ft)	5.28
C8	04 Mar 2019	High Tide Time	737
C8	04 Mar 2019	Low Tide (ft)	-0.54
C8	04 Mar 2019	Low Tide Time	1429
C8	04 Mar 2019	Comments	none
C8	11 Mar 2019	Depth (m)	19
C8	11 Mar 2019	Arrive Time	811
C8	11 Mar 2019	Depart Time	813
C8	11 Mar 2019	Air Temp (C)	12
C8	11 Mar 2019	Weather	Overcast
C8	11 Mar 2019	Visibility (mi)	14
C8	11 Mar 2019	Wind Speed (kts)	4
C8	11 Mar 2019	Wind Dir	E
C8	11 Mar 2019	Water Color	Greenish-Blue
C8	11 Mar 2019	Wave Ht Low (ft)	4
C8	11 Mar 2019	Wave Period (sec)	13
C8	11 Mar 2019	Sea State	Calm
C8	11 Mar 2019	High Tide (ft)	3.3
C8	11 Mar 2019	High Tide Time	1236
C8	11 Mar 2019	Low Tide (ft)	0.88
C8	11 Mar 2019	Low Tide Time	648
C8	11 Mar 2019	Comments	none
C8	18 Mar 2019	Depth (m)	21
C8	18 Mar 2019	Arrive Time	854
C8	18 Mar 2019	Depart Time	857
C8	18 Mar 2019	Air Temp (C)	16
C8	18 Mar 2019	Weather	Clear
C8	18 Mar 2019	Visibility (mi)	5

Station	Date	Parameter	Value
C8	18 Mar 2019	Wind Speed (kts)	1
C8	18 Mar 2019	Wind Dir	SW
C8	18 Mar 2019	Water Color	Green
C8	18 Mar 2019	Wave Ht Low (ft)	3
C8	18 Mar 2019	Wave Period (sec)	9
C8	18 Mar 2019	Sea State	Calm
C8	18 Mar 2019	High Tide (ft)	5.84
C8	18 Mar 2019	High Tide Time	739
C8	18 Mar 2019	Low Tide (ft)	-1.25
C8	18 Mar 2019	Low Tide Time	1435
C8	18 Mar 2019	Comments	Kelp
C8	25 Mar 2019	Depth (m)	19
C8	25 Mar 2019	Arrive Time	930
C8	25 Mar 2019	Depart Time	935
C8	25 Mar 2019	Air Temp (C)	14
C8	25 Mar 2019	Weather	Clear
C8	25 Mar 2019	Visibility (mi)	9
C8	25 Mar 2019	Wind Speed (kts)	2
C8	25 Mar 2019	Wind Dir	N
C8	25 Mar 2019	Water Color	Green
C8	25 Mar 2019	Wave Ht Low (ft)	4
C8	25 Mar 2019	Wave Period (sec)	11
C8	25 Mar 2019	Sea State	Calm
C8	25 Mar 2019	High Tide (ft)	3.22
C8	25 Mar 2019	High Tide Time	1335
C8	25 Mar 2019	Low Tide (ft)	0.2
C8	25 Mar 2019	Low Tide Time	728
C8	25 Mar 2019	Comments	none

**Table 3.10**

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma\text{-t}$ )	Chlor ( $\mu\text{g/L}$ )
A1	04 Mar 2019	1	14.21	83.14	8.6	33.50	8.2	25.0	1.10
A1	04 Mar 2019	2	14.21	83.06	8.6	33.50	8.2	25.0	1.18
A1	04 Mar 2019	3	14.17	83.02	8.4	33.52	8.2	25.0	1.21
A1	04 Mar 2019	4	14.12	83.38	8.4	33.54	8.2	25.0	1.36
A1	04 Mar 2019	5	14.04	83.61	8.1	33.55	8.1	25.1	1.30
A1	04 Mar 2019	6	13.88	83.93	7.6	33.53	8.1	25.1	1.02
A1	04 Mar 2019	7	13.73	84.04	7.1	33.51	8.1	25.1	0.75
A1	04 Mar 2019	8	13.76	83.98	7.2	33.52	8.1	25.1	0.62
A1	04 Mar 2019	9	13.71	84.03	7.7	33.58	8.1	25.1	1.17
A1	04 Mar 2019	10	13.67	84.10	7.8	33.58	8.1	25.2	1.35
A1	04 Mar 2019	11	13.42	84.04	7.4	33.61	8.1	25.2	1.22
A1	04 Mar 2019	12	12.96	83.92	7.0	33.64	8.1	25.3	1.24
A1	04 Mar 2019	13	12.71	83.77	6.4	33.64	8.0	25.4	1.24
A1	04 Mar 2019	14	12.10	83.49	5.8	33.68	8.0	25.5	1.04
A1	04 Mar 2019	15	11.88	83.69	5.4	33.68	7.9	25.6	0.79
A1	04 Mar 2019	16	11.75	83.86	5.2	33.68	7.9	25.6	0.73
A1	04 Mar 2019	17	11.69	83.71	5.1	33.68	7.9	25.6	0.70
A1	04 Mar 2019	18	11.50	83.47	5.0	33.70	7.9	25.7	0.57
A1	11 Mar 2019	1	13.80	79.42	8.2	33.57	8.1	25.1	2.66
A1	11 Mar 2019	2	13.81	80.02	8.2	33.57	8.1	25.1	2.63
A1	11 Mar 2019	3	13.80	79.73	8.2	33.57	8.1	25.1	2.50
A1	11 Mar 2019	4	13.78	80.16	8.2	33.57	8.1	25.1	2.68
A1	11 Mar 2019	5	13.77	80.07	8.1	33.57	8.1	25.1	2.69
A1	11 Mar 2019	6	13.75	80.06	8.1	33.57	8.1	25.1	2.75
A1	11 Mar 2019	7	13.75	79.94	8.1	33.57	8.1	25.1	3.16
A1	11 Mar 2019	8	13.74	79.96	8.1	33.57	8.1	25.1	2.95
A1	11 Mar 2019	9	13.73	80.26	8.1	33.57	8.1	25.1	2.74
A1	11 Mar 2019	10	13.73	80.28	8.1	33.57	8.1	25.1	2.50
A1	11 Mar 2019	11	13.73	80.22	8.1	33.57	8.1	25.1	2.46
A1	11 Mar 2019	12	13.73	80.14	8.1	33.57	8.1	25.1	2.63
A1	11 Mar 2019	13	13.72	80.01	8.0	33.57	8.1	25.1	2.61
A1	11 Mar 2019	14	13.68	80.15	8.0	33.58	8.1	25.2	2.64
A1	11 Mar 2019	15	13.65	80.54	7.9	33.57	8.1	25.2	2.62
A1	11 Mar 2019	16	13.64	80.60	7.8	33.58	8.1	25.2	2.64
A1	11 Mar 2019	17	13.53	80.87	7.5	33.58	8.1	25.2	2.36
A1	11 Mar 2019	18	13.34	80.85	7.2	33.61	8.1	25.2	2.24
A1	18 Mar 2019	1	14.86	83.59	8.6	33.54	8.2	24.9	1.04
A1	18 Mar 2019	2	14.87	82.74	8.6	33.54	8.2	24.9	1.06
A1	18 Mar 2019	3	14.85	83.30	8.6	33.54	8.2	24.9	1.13
A1	18 Mar 2019	4	14.85	83.56	8.6	33.54	8.2	24.9	1.15
A1	18 Mar 2019	5	14.84	83.43	8.6	33.54	8.2	24.9	1.25
A1	18 Mar 2019	6	14.84	83.55	8.6	33.54	8.2	24.9	1.32
A1	18 Mar 2019	7	14.84	83.60	8.6	33.54	8.2	24.9	1.39
A1	18 Mar 2019	8	14.78	83.79	8.5	33.55	8.2	24.9	1.55
A1	18 Mar 2019	9	14.60	83.69	8.4	33.55	8.2	24.9	1.68
A1	18 Mar 2019	10	14.35	83.37	8.0	33.56	8.1	25.0	1.61
A1	18 Mar 2019	11	13.99	82.95	7.6	33.56	8.1	25.1	1.60
A1	18 Mar 2019	12	13.89	83.39	7.4	33.55	8.1	25.1	1.66
A1	18 Mar 2019	13	13.72	83.45	7.1	33.57	8.1	25.1	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	18 Mar 2019	14	13.51	84.18	6.9	33.58	8.1	25.2	1.09
	18 Mar 2019	15	13.39	84.21	6.8	33.58	8.0	25.2	1.52
	18 Mar 2019	16	13.22	84.17	6.6	33.60	8.0	25.3	1.10
	18 Mar 2019	17	13.04	84.24	6.5	33.60	8.0	25.3	1.18
	18 Mar 2019	18	13.00	84.30	6.4	33.60	8.0	25.3	1.05
	18 Mar 2019	19	12.94	84.26	6.4	33.60	8.0	25.3	0.90
	18 Mar 2019	20	12.95	84.32	6.4	33.60	8.0	25.3	0.90
A1	25 Mar 2019	1	15.06	81.58	8.0	33.56	8.0	24.9	0.71
	25 Mar 2019	2	15.01	81.50	8.0	33.57	8.0	24.9	0.74
	25 Mar 2019	3	14.89	81.45	7.9	33.57	8.0	24.9	0.86
	25 Mar 2019	4	14.67	82.11	7.8	33.59	8.0	25.0	1.02
	25 Mar 2019	5	14.26	82.52	7.6	33.61	8.0	25.1	1.05
	25 Mar 2019	6	14.08	83.20	7.6	33.59	8.0	25.1	1.02
	25 Mar 2019	7	14.00	83.79	7.6	33.59	8.0	25.1	0.97
	25 Mar 2019	8	13.92	84.07	7.6	33.59	7.9	25.1	1.07
	25 Mar 2019	9	13.78	83.96	7.4	33.61	7.9	25.2	0.96
	25 Mar 2019	10	13.59	83.82	7.2	33.60	7.9	25.2	0.99
	25 Mar 2019	11	13.51	83.19	7.0	33.60	7.9	25.2	1.04
	25 Mar 2019	12	13.43	82.79	6.9	33.61	7.9	25.2	0.92
	25 Mar 2019	13	13.40	82.57	6.8	33.61	7.9	25.2	0.84
	25 Mar 2019	14	13.32	82.20	6.8	33.61	7.9	25.3	0.85
	25 Mar 2019	15	13.32	82.02	6.7	33.61	7.9	25.3	0.84
	25 Mar 2019	16	13.30	81.75	6.6	33.61	7.9	25.3	0.89
	25 Mar 2019	17	13.22	81.34	6.5	33.62	7.9	25.3	0.83
	25 Mar 2019	18	13.20	80.76	6.5	33.61	7.9	25.3	0.87
A6	04 Mar 2019	1	14.31	81.16	8.6	33.54	8.2	25.0	1.15
	04 Mar 2019	2	14.30	83.43	8.6	33.55	8.2	25.0	1.22
	04 Mar 2019	3	14.30	83.71	8.6	33.54	8.2	25.0	1.24
	04 Mar 2019	4	14.30	83.70	8.5	33.55	8.2	25.0	1.29
	04 Mar 2019	5	14.28	83.67	8.4	33.55	8.2	25.0	1.26
	04 Mar 2019	6	14.27	83.78	8.4	33.55	8.2	25.0	1.36
	04 Mar 2019	7	14.26	83.95	8.3	33.55	8.2	25.0	1.37
	04 Mar 2019	8	14.22	83.65	8.3	33.55	8.2	25.0	1.34
	04 Mar 2019	9	14.19	84.24	8.2	33.56	8.2	25.0	1.39
	04 Mar 2019	10	13.98	84.48	8.2	33.58	8.2	25.1	1.61
	04 Mar 2019	11	13.90	84.60	8.1	33.58	8.1	25.1	1.47
	04 Mar 2019	12	13.77	82.73	8.0	33.59	8.1	25.1	1.58
	04 Mar 2019	13	13.67	83.60	7.9	33.59	8.1	25.2	1.97
	04 Mar 2019	14	13.62	83.73	7.8	33.59	8.1	25.2	1.72
	04 Mar 2019	15	13.53	82.60	7.7	33.59	8.1	25.2	1.51
	04 Mar 2019	16	13.44	83.79	7.5	33.60	8.1	25.2	1.35
	04 Mar 2019	17	13.26	84.03	7.1	33.62	8.1	25.3	1.24
	04 Mar 2019	18	12.82	83.88	6.4	33.65	8.1	25.4	1.17
	04 Mar 2019	19	11.94	83.62	5.6	33.72	8.0	25.6	0.97
	04 Mar 2019	20	11.78	82.70	5.2	33.68	7.9	25.6	0.78
	04 Mar 2019	21	11.65	81.81	5.1	33.67	7.9	25.6	0.65
A6	11 Mar 2019	1	13.75	NA	8.4	33.54	8.1	25.1	3.49
	11 Mar 2019	2	13.76	NA	8.4	33.54	8.1	25.1	3.46
	11 Mar 2019	3	13.75	NA	8.4	33.55	8.1	25.1	3.67
	11 Mar 2019	4	13.74	NA	8.4	33.55	8.1	25.1	3.64
	11 Mar 2019	5	13.73	NA	8.3	33.55	8.1	25.1	3.56
	11 Mar 2019	6	13.70	NA	8.3	33.55	8.1	25.1	3.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	11 Mar 2019	7	13.69	NA	8.2	33.55	8.1	25.1	3.42
A6	11 Mar 2019	8	13.67	NA	8.1	33.55	8.1	25.1	3.64
A6	11 Mar 2019	9	13.65	NA	8.1	33.55	8.1	25.1	3.72
A6	11 Mar 2019	10	13.65	NA	8.1	33.55	8.1	25.1	4.33
A6	11 Mar 2019	11	13.64	NA	8.1	33.55	8.1	25.1	3.85
A6	11 Mar 2019	12	13.63	NA	8.1	33.55	8.1	25.1	3.66
A6	11 Mar 2019	13	13.63	NA	8.0	33.55	8.1	25.1	3.73
A6	11 Mar 2019	14	13.62	NA	8.0	33.55	8.1	25.1	3.75
A6	11 Mar 2019	15	13.61	NA	8.0	33.55	8.1	25.2	3.95
A6	11 Mar 2019	16	13.61	NA	7.9	33.55	8.1	25.1	4.14
A6	11 Mar 2019	17	13.58	NA	7.9	33.56	8.1	25.2	3.88
A6	11 Mar 2019	18	13.56	NA	7.8	33.56	8.1	25.2	3.47
A6	11 Mar 2019	19	13.51	NA	7.7	33.56	8.1	25.2	3.39
A6	11 Mar 2019	20	13.37	NA	7.4	33.58	8.1	25.2	2.98
A6	11 Mar 2019	21	13.26	NA	7.2	33.58	8.0	25.2	2.38
A6	18 Mar 2019	1	15.61	82.57	9.1	33.55	8.2	24.7	0.82
A6	18 Mar 2019	2	15.53	82.58	8.9	33.56	8.2	24.7	0.80
A6	18 Mar 2019	3	15.39	81.65	8.8	33.56	8.2	24.8	1.20
A6	18 Mar 2019	4	15.28	81.00	8.8	33.56	8.2	24.8	1.79
A6	18 Mar 2019	5	15.03	80.28	8.8	33.56	8.2	24.9	2.11
A6	18 Mar 2019	6	14.90	80.53	8.8	33.55	8.2	24.9	2.42
A6	18 Mar 2019	7	14.81	80.76	8.7	33.54	8.2	24.9	2.21
A6	18 Mar 2019	8	14.68	80.90	8.5	33.55	8.2	24.9	2.04
A6	18 Mar 2019	9	14.44	81.41	8.3	33.55	8.2	25.0	2.02
A6	18 Mar 2019	10	14.37	81.73	8.3	33.54	8.2	25.0	2.00
A6	18 Mar 2019	11	14.25	82.10	8.1	33.55	8.1	25.0	1.83
A6	18 Mar 2019	12	14.04	82.50	7.8	33.57	8.1	25.1	1.76
A6	18 Mar 2019	13	13.95	83.21	7.6	33.56	8.1	25.1	1.43
A6	18 Mar 2019	14	13.90	83.43	7.5	33.56	8.1	25.1	1.26
A6	18 Mar 2019	15	13.87	83.46	7.5	33.56	8.1	25.1	1.20
A6	18 Mar 2019	16	13.80	83.47	7.4	33.58	8.1	25.1	1.19
A6	18 Mar 2019	17	13.70	83.57	7.2	33.58	8.1	25.2	1.06
A6	18 Mar 2019	18	13.59	83.79	7.1	33.59	8.1	25.2	0.93
A6	18 Mar 2019	19	13.42	83.88	6.8	33.60	8.1	25.2	0.74
A6	18 Mar 2019	20	13.35	83.77	6.7	33.59	8.0	25.2	0.73
A6	18 Mar 2019	21	13.36	83.50	6.7	33.59	8.0	25.2	0.60
A6	25 Mar 2019	1	15.38	75.77	8.2	33.54	8.0	24.8	0.68
A6	25 Mar 2019	2	15.37	74.11	8.2	33.54	8.0	24.8	0.72
A6	25 Mar 2019	3	15.35	78.86	8.1	33.54	8.0	24.8	0.75
A6	25 Mar 2019	4	15.32	79.29	8.0	33.54	8.0	24.8	0.87
A6	25 Mar 2019	5	15.26	79.64	7.9	33.55	8.0	24.8	0.93
A6	25 Mar 2019	6	15.02	80.40	7.7	33.57	8.0	24.9	1.04
A6	25 Mar 2019	7	14.91	81.82	7.6	33.57	8.0	24.9	1.04
A6	25 Mar 2019	8	14.75	82.41	7.5	33.58	8.0	24.9	1.00
A6	25 Mar 2019	9	14.58	82.74	7.4	33.58	8.0	25.0	1.10
A6	25 Mar 2019	10	14.42	83.12	7.4	33.59	8.0	25.0	1.07
A6	25 Mar 2019	11	14.34	83.15	7.3	33.58	8.0	25.0	1.16
A6	25 Mar 2019	12	14.26	83.21	7.4	33.59	8.0	25.0	1.16
A6	25 Mar 2019	13	14.17	82.90	7.3	33.59	8.0	25.1	1.16
A6	25 Mar 2019	14	14.06	83.04	7.1	33.59	8.0	25.1	1.02
A6	25 Mar 2019	15	13.98	82.83	6.9	33.59	7.9	25.1	0.92
A6	25 Mar 2019	16	13.82	82.61	6.7	33.60	7.9	25.1	0.91
A6	25 Mar 2019	17	13.65	82.06	6.5	33.61	7.9	25.2	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	25 Mar 2019	18	13.54	80.95	6.4	33.61	7.9	25.2	0.78
A7	04 Mar 2019	1	14.33	73.30	8.6	33.50	8.2	25.0	1.04
A7	04 Mar 2019	2	14.32	82.05	8.6	33.51	8.2	25.0	1.11
A7	04 Mar 2019	3	14.29	83.01	8.6	33.51	8.2	25.0	1.23
A7	04 Mar 2019	4	14.29	83.18	8.6	33.51	8.2	25.0	1.41
A7	04 Mar 2019	5	14.26	82.91	8.5	33.52	8.2	25.0	1.41
A7	04 Mar 2019	6	14.16	83.12	8.4	33.53	8.2	25.0	1.37
A7	04 Mar 2019	7	14.11	83.45	8.3	33.54	8.2	25.0	1.36
A7	04 Mar 2019	8	14.08	83.64	8.2	33.54	8.1	25.0	1.40
A7	04 Mar 2019	9	14.06	84.08	8.2	33.56	8.1	25.1	1.24
A7	04 Mar 2019	10	13.88	84.41	7.9	33.61	8.1	25.1	1.18
A7	04 Mar 2019	11	13.38	84.86	7.4	33.62	8.1	25.3	1.13
A7	04 Mar 2019	12	13.15	84.91	7.0	33.62	8.1	25.3	1.02
A7	04 Mar 2019	13	12.86	84.42	6.7	33.64	8.0	25.4	1.00
A7	04 Mar 2019	14	12.94	84.22	6.6	33.60	8.0	25.3	0.98
A7	04 Mar 2019	15	12.38	77.66	6.0	33.68	8.0	25.5	1.03
A7	04 Mar 2019	16	11.97	81.40	5.5	33.68	7.9	25.6	0.78
A7	04 Mar 2019	17	11.97	83.30	5.3	33.67	7.9	25.6	0.72
A7	04 Mar 2019	18	11.76	83.49	5.2	33.68	7.9	25.6	0.64
A7	04 Mar 2019	19	11.70	83.50	5.1	33.68	7.9	25.6	0.59
A7	11 Mar 2019	1	14.15	NA	8.7	33.58	8.2	25.1	1.21
A7	11 Mar 2019	2	14.16	NA	8.7	33.58	8.2	25.1	1.38
A7	11 Mar 2019	3	14.12	NA	8.6	33.58	8.2	25.1	1.54
A7	11 Mar 2019	4	14.08	NA	8.5	33.58	8.2	25.1	1.78
A7	11 Mar 2019	5	13.95	NA	8.4	33.57	8.2	25.1	2.31
A7	11 Mar 2019	6	13.88	NA	8.4	33.56	8.1	25.1	2.65
A7	11 Mar 2019	7	13.85	NA	8.4	33.56	8.1	25.1	3.13
A7	11 Mar 2019	8	13.83	NA	8.3	33.56	8.1	25.1	3.80
A7	11 Mar 2019	9	13.71	NA	8.3	33.56	8.1	25.1	4.31
A7	11 Mar 2019	10	13.65	NA	8.2	33.56	8.1	25.1	4.28
A7	11 Mar 2019	11	13.62	NA	8.1	33.56	8.1	25.2	4.14
A7	11 Mar 2019	12	13.60	NA	8.0	33.56	8.1	25.2	3.49
A7	11 Mar 2019	13	13.57	NA	7.8	33.57	8.1	25.2	2.98
A7	11 Mar 2019	14	13.56	NA	7.8	33.57	8.1	25.2	2.70
A7	11 Mar 2019	15	13.54	NA	7.7	33.57	8.1	25.2	2.78
A7	11 Mar 2019	16	13.49	NA	7.5	33.58	8.1	25.2	2.28
A7	11 Mar 2019	17	13.21	NA	7.0	33.62	8.1	25.3	1.82
A7	11 Mar 2019	18	12.93	NA	6.5	33.62	8.0	25.3	1.12
A7	18 Mar 2019	1	15.33	81.40	9.0	33.54	8.2	24.8	1.15
A7	18 Mar 2019	2	15.26	81.44	8.8	33.54	8.2	24.8	1.31
A7	18 Mar 2019	3	15.04	81.32	8.6	33.54	8.2	24.8	1.64
A7	18 Mar 2019	4	14.91	81.00	8.5	33.53	8.2	24.9	1.91
A7	18 Mar 2019	5	14.76	81.15	8.4	33.53	8.2	24.9	1.86
A7	18 Mar 2019	6	14.73	81.49	8.4	33.53	8.2	24.9	1.91
A7	18 Mar 2019	7	14.72	81.62	8.4	33.52	8.2	24.9	1.92
A7	18 Mar 2019	8	14.65	81.50	8.4	33.53	8.2	24.9	1.97
A7	18 Mar 2019	9	14.54	82.07	8.3	33.53	8.2	24.9	1.96
A7	18 Mar 2019	10	14.51	82.09	8.3	33.53	8.1	24.9	1.78
A7	18 Mar 2019	11	14.46	82.04	8.3	33.53	8.1	25.0	1.81
A7	18 Mar 2019	12	14.42	82.24	8.3	33.53	8.1	25.0	1.91
A7	18 Mar 2019	13	14.36	82.37	8.1	33.54	8.1	25.0	1.99
A7	18 Mar 2019	14	14.21	82.54	8.0	33.55	8.1	25.0	1.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	18 Mar 2019	15	14.16	82.79	7.9	33.54	8.1	25.0	1.78
A7	18 Mar 2019	16	14.13	82.96	7.8	33.54	8.1	25.0	1.72
A7	18 Mar 2019	17	14.10	82.88	7.7	33.55	8.1	25.0	1.51
A7	18 Mar 2019	18	13.94	82.97	7.5	33.56	8.1	25.1	1.36
A7	18 Mar 2019	19	13.72	83.14	7.2	33.59	8.1	25.2	1.45
A7	18 Mar 2019	20	13.42	83.55	7.0	33.58	8.1	25.2	1.19
A7	25 Mar 2019	1	15.24	81.21	7.9	33.56	8.0	24.8	0.63
A7	25 Mar 2019	2	15.24	81.11	8.0	33.56	8.0	24.8	0.62
A7	25 Mar 2019	3	15.24	81.22	8.0	33.56	8.0	24.8	0.64
A7	25 Mar 2019	4	15.11	81.01	7.8	33.57	8.0	24.8	0.83
A7	25 Mar 2019	5	14.91	81.30	7.8	33.57	8.0	24.9	1.00
A7	25 Mar 2019	6	14.79	82.16	7.6	33.58	8.0	24.9	1.19
A7	25 Mar 2019	7	14.30	82.96	7.6	33.61	8.0	25.1	1.17
A7	25 Mar 2019	8	14.11	83.66	7.6	33.59	8.0	25.1	1.23
A7	25 Mar 2019	9	14.07	83.64	7.5	33.59	8.0	25.1	1.18
A7	25 Mar 2019	10	13.93	83.38	7.2	33.59	8.0	25.1	1.06
A7	25 Mar 2019	11	13.88	83.08	7.0	33.59	7.9	25.1	0.94
A7	25 Mar 2019	12	13.87	82.72	7.0	33.59	7.9	25.1	0.95
A7	25 Mar 2019	13	13.85	82.67	7.0	33.59	7.9	25.1	1.00
A7	25 Mar 2019	14	13.73	82.47	6.9	33.60	7.9	25.2	0.91
A7	25 Mar 2019	15	13.63	82.36	6.9	33.61	7.9	25.2	0.93
A7	25 Mar 2019	16	13.60	82.06	6.8	33.60	7.9	25.2	0.95
A7	25 Mar 2019	17	13.54	81.73	6.7	33.60	7.9	25.2	0.96
A7	25 Mar 2019	18	13.51	81.72	6.7	33.61	7.9	25.2	0.76
C4	04 Mar 2019	1	14.95	71.83	8.4	33.45	8.2	24.8	0.30
C4	04 Mar 2019	2	14.94	67.03	8.4	33.45	8.2	24.8	0.32
C4	04 Mar 2019	3	14.82	75.69	8.4	33.46	8.2	24.8	0.40
C4	04 Mar 2019	4	14.73	78.43	8.4	33.46	8.2	24.8	0.51
C4	04 Mar 2019	5	14.61	80.61	8.4	33.46	8.2	24.9	0.55
C4	04 Mar 2019	6	14.60	82.13	8.4	33.45	8.2	24.9	0.58
C4	04 Mar 2019	7	14.54	82.68	8.2	33.46	8.2	24.9	0.60
C4	04 Mar 2019	8	14.37	82.88	7.7	33.47	8.2	24.9	0.51
C4	04 Mar 2019	9	14.07	81.91	7.1	33.49	8.1	25.0	0.50
C4	04 Mar 2019	10	13.68	81.52	6.7	33.52	8.1	25.1	0.47
C4	04 Mar 2019	11	13.55	81.65	6.5	33.54	8.0	25.1	0.50
C4	04 Mar 2019	12	13.43	80.82	6.4	33.54	8.0	25.2	0.49
C4	11 Mar 2019	1	13.87	80.18	8.1	33.53	8.1	25.1	1.85
C4	11 Mar 2019	2	13.87	80.21	8.1	33.53	8.1	25.1	1.81
C4	11 Mar 2019	3	13.87	80.29	8.1	33.53	8.1	25.1	1.85
C4	11 Mar 2019	4	13.87	80.35	8.1	33.53	8.1	25.1	1.88
C4	11 Mar 2019	5	13.87	80.10	8.1	33.53	8.1	25.1	1.90
C4	11 Mar 2019	6	13.85	80.06	8.1	33.54	8.1	25.1	2.10
C4	11 Mar 2019	7	13.82	80.04	8.1	33.55	8.1	25.1	1.91
C4	11 Mar 2019	8	13.77	80.05	7.9	33.55	8.1	25.1	1.90
C4	11 Mar 2019	9	13.73	80.06	7.6	33.55	8.1	25.1	1.55
C4	11 Mar 2019	10	13.68	80.15	7.3	33.55	8.1	25.1	1.25
C4	11 Mar 2019	11	13.68	79.67	7.2	33.55	8.1	25.1	0.88
C4	18 Mar 2019	1	14.93	81.67	8.4	33.51	8.2	24.8	0.65
C4	18 Mar 2019	2	14.92	81.62	8.4	33.51	8.2	24.8	0.70
C4	18 Mar 2019	3	14.89	81.86	8.3	33.51	8.2	24.8	0.82
C4	18 Mar 2019	4	14.86	81.76	8.4	33.51	8.2	24.9	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	18 Mar 2019	5	14.84	81.66	8.4	33.51	8.2	24.9	1.25
C4	18 Mar 2019	6	14.82	81.40	8.4	33.51	8.2	24.9	1.41
C4	18 Mar 2019	7	14.74	80.98	8.2	33.52	8.2	24.9	1.58
C4	18 Mar 2019	8	14.57	81.10	8.0	33.53	8.1	24.9	1.53
C4	18 Mar 2019	9	14.41	80.71	7.5	33.55	8.1	25.0	1.20
C4	18 Mar 2019	10	14.30	79.42	7.1	33.55	8.1	25.0	0.95
C4	18 Mar 2019	11	14.28	77.96	7.0	33.55	8.1	25.0	0.65
C4	18 Mar 2019	12	14.26	76.10	7.0	33.55	8.1	25.0	0.57
C4	25 Mar 2019	1	16.05	68.37	8.0	33.55	8.0	24.6	0.35
C4	25 Mar 2019	2	16.01	67.25	7.9	33.56	8.0	24.6	0.38
C4	25 Mar 2019	3	15.70	69.55	7.9	33.57	8.0	24.7	0.50
C4	25 Mar 2019	4	15.61	71.22	7.8	33.56	8.0	24.7	0.59
C4	25 Mar 2019	5	15.49	72.10	7.7	33.57	8.0	24.8	0.66
C4	25 Mar 2019	6	15.15	74.09	7.3	33.59	8.0	24.9	0.58
C4	25 Mar 2019	7	14.61	76.58	6.8	33.61	8.0	25.0	0.51
C4	25 Mar 2019	8	13.99	75.93	6.2	33.63	7.9	25.1	0.46
C4	25 Mar 2019	9	13.64	70.46	5.9	33.61	7.9	25.2	0.45
C4	25 Mar 2019	10	13.65	64.73	5.8	33.60	7.8	25.2	0.43
C4	25 Mar 2019	11	13.61	57.57	5.9	33.60	7.8	25.2	0.47
C5	04 Mar 2019	1	14.61	82.95	8.6	33.48	8.2	24.9	0.43
C5	04 Mar 2019	2	14.57	83.40	8.6	33.48	8.2	24.9	0.51
C5	04 Mar 2019	3	14.58	83.46	8.6	33.48	8.2	24.9	0.51
C5	04 Mar 2019	4	14.54	83.39	8.5	33.48	8.2	24.9	0.57
C5	04 Mar 2019	5	14.50	83.48	8.4	33.48	8.2	24.9	0.58
C5	04 Mar 2019	6	14.33	83.56	8.3	33.50	8.2	25.0	0.71
C5	04 Mar 2019	7	14.14	83.46	8.3	33.51	8.2	25.0	0.90
C5	04 Mar 2019	8	14.06	83.46	8.0	33.52	8.2	25.0	0.87
C5	04 Mar 2019	9	13.88	83.45	7.5	33.52	8.1	25.1	0.74
C5	04 Mar 2019	10	13.85	83.00	7.3	33.51	8.1	25.1	0.56
C5	04 Mar 2019	11	13.85	82.85	7.4	33.51	8.1	25.1	0.44
C5	11 Mar 2019	1	14.45	76.67	8.6	33.59	8.2	25.0	0.55
C5	11 Mar 2019	2	14.43	76.61	8.6	33.59	8.2	25.0	0.61
C5	11 Mar 2019	3	14.33	76.04	8.5	33.60	8.2	25.0	0.60
C5	11 Mar 2019	4	14.25	78.67	8.4	33.59	8.2	25.0	0.68
C5	11 Mar 2019	5	14.06	79.81	8.2	33.60	8.2	25.1	0.70
C5	11 Mar 2019	6	14.04	81.35	8.1	33.59	8.2	25.1	0.72
C5	11 Mar 2019	7	13.98	82.44	8.0	33.59	8.1	25.1	0.69
C5	11 Mar 2019	8	13.86	83.07	7.7	33.60	8.1	25.1	0.69
C5	11 Mar 2019	9	13.39	83.07	7.3	33.63	8.1	25.3	0.66
C5	11 Mar 2019	10	13.27	80.81	7.0	33.61	8.1	25.3	0.63
C5	18 Mar 2019	1	15.98	70.51	9.0	33.58	8.2	24.7	0.37
C5	18 Mar 2019	2	15.97	70.08	9.0	33.58	8.2	24.7	0.41
C5	18 Mar 2019	3	15.83	70.40	8.9	33.59	8.2	24.7	0.49
C5	18 Mar 2019	4	15.50	72.42	9.0	33.59	8.2	24.8	0.58
C5	18 Mar 2019	5	15.10	76.89	8.7	33.60	8.2	24.9	0.64
C5	18 Mar 2019	6	14.49	81.76	8.1	33.59	8.2	25.0	0.73
C5	18 Mar 2019	7	14.20	83.07	7.8	33.58	8.1	25.0	0.75
C5	18 Mar 2019	8	14.03	82.84	7.5	33.57	8.1	25.1	0.71
C5	18 Mar 2019	9	13.94	80.28	7.4	33.56	8.1	25.1	0.61
C5	18 Mar 2019	10	13.94	79.27	7.4	33.56	8.1	25.1	0.57
C5	18 Mar 2019	11	13.94	79.18	7.4	33.56	8.1	25.1	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	25 Mar 2019	1	15.68	70.85	7.8	33.56	8.0	24.7	0.36
	25 Mar 2019	2	15.59	72.19	7.7	33.56	8.0	24.7	0.38
	25 Mar 2019	3	15.32	73.77	7.7	33.56	8.0	24.8	0.48
	25 Mar 2019	4	15.13	74.80	7.7	33.58	8.0	24.8	0.59
	25 Mar 2019	5	15.03	75.22	7.6	33.57	8.0	24.9	0.64
	25 Mar 2019	6	14.87	76.83	7.5	33.58	8.0	24.9	0.61
	25 Mar 2019	7	14.64	77.44	7.3	33.59	8.0	25.0	0.50
	25 Mar 2019	8	14.35	78.12	7.1	33.61	8.0	25.0	0.47
	25 Mar 2019	9	13.98	75.69	6.9	33.60	7.9	25.1	0.49
	25 Mar 2019	10	13.99	75.97	6.9	33.58	7.9	25.1	0.47
C6	04 Mar 2019	1	14.73	83.43	9.1	33.50	8.2	24.9	0.57
	04 Mar 2019	2	14.71	83.45	9.0	33.50	8.2	24.9	0.60
	04 Mar 2019	3	14.57	83.43	9.0	33.52	8.2	24.9	0.83
	04 Mar 2019	4	14.49	83.74	8.9	33.51	8.2	24.9	0.95
	04 Mar 2019	5	14.45	83.46	8.7	33.52	8.2	24.9	1.03
	04 Mar 2019	6	14.22	83.38	8.4	33.55	8.2	25.0	1.18
	04 Mar 2019	7	14.18	83.92	8.2	33.55	8.2	25.0	1.06
	04 Mar 2019	8	14.14	84.86	8.2	33.56	8.2	25.0	0.89
	04 Mar 2019	9	14.14	85.81	8.2	33.57	8.2	25.1	0.58
	04 Mar 2019	10	14.14	85.76	8.2	33.57	8.2	25.1	0.48
C6	11 Mar 2019	1	14.04	NA	8.4	33.56	8.2	25.1	1.41
	11 Mar 2019	2	14.04	NA	8.4	33.56	8.2	25.1	1.52
	11 Mar 2019	3	14.01	NA	8.3	33.57	8.2	25.1	1.43
	11 Mar 2019	4	13.89	NA	8.1	33.58	8.1	25.1	1.36
	11 Mar 2019	5	13.82	NA	8.1	33.58	8.1	25.1	1.34
	11 Mar 2019	6	13.74	NA	7.9	33.58	8.1	25.1	1.40
	11 Mar 2019	7	13.63	NA	7.7	33.59	8.1	25.2	1.18
	11 Mar 2019	8	13.38	NA	7.2	33.61	8.1	25.2	0.92
	11 Mar 2019	9	13.12	NA	6.7	33.61	8.0	25.3	0.66
	18 Mar 2019	1	15.89	80.78	8.9	33.56	8.3	24.7	0.33
C6	18 Mar 2019	2	15.84	80.41	9.1	33.57	8.2	24.7	0.37
	18 Mar 2019	3	15.69	81.00	9.2	33.57	8.2	24.7	0.45
	18 Mar 2019	4	15.54	81.73	9.1	33.57	8.2	24.8	0.51
	18 Mar 2019	5	15.27	82.33	8.8	33.58	8.2	24.8	0.52
	18 Mar 2019	6	15.04	82.68	8.8	33.57	8.2	24.9	0.52
	18 Mar 2019	7	14.82	82.95	8.8	33.57	8.2	24.9	0.62
	18 Mar 2019	8	14.54	82.85	8.5	33.57	8.2	25.0	0.79
	18 Mar 2019	9	14.24	83.18	8.0	33.58	8.2	25.0	0.65
	18 Mar 2019	10	14.02	83.81	7.7	33.57	8.1	25.1	0.51
	25 Mar 2019	1	15.27	74.21	7.6	33.54	8.0	24.8	0.49
C6	25 Mar 2019	2	15.19	73.88	7.6	33.55	8.0	24.8	0.51
	25 Mar 2019	3	15.11	74.57	7.5	33.55	8.0	24.8	0.60
	25 Mar 2019	4	15.05	75.92	7.4	33.55	8.0	24.8	0.64
	25 Mar 2019	5	15.03	74.44	7.4	33.55	8.0	24.8	0.61
	25 Mar 2019	6	15.02	71.07	7.3	33.55	8.0	24.9	0.61
	25 Mar 2019	7	14.80	69.88	7.0	33.58	8.0	24.9	0.63
	25 Mar 2019	8	14.43	66.98	6.8	33.59	7.9	25.0	0.58
	25 Mar 2019	9	14.26	64.53	6.8	33.59	7.9	25.0	0.54
C7	04 Mar 2019	1	14.43	82.20	8.8	33.48	8.2	24.9	1.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	04 Mar 2019	2	14.43	82.47	8.8	33.48	8.2	24.9	1.14
C7	04 Mar 2019	3	14.42	82.58	8.8	33.49	8.2	24.9	1.33
C7	04 Mar 2019	4	14.41	82.82	8.8	33.49	8.2	24.9	1.48
C7	04 Mar 2019	5	14.30	82.89	8.7	33.53	8.2	25.0	1.57
C7	04 Mar 2019	6	14.12	83.29	8.6	33.56	8.2	25.0	1.60
C7	04 Mar 2019	7	14.12	83.54	8.6	33.55	8.2	25.0	1.82
C7	04 Mar 2019	8	14.01	83.59	8.5	33.57	8.2	25.1	2.04
C7	04 Mar 2019	9	13.95	83.52	8.4	33.56	8.2	25.1	1.92
C7	04 Mar 2019	10	13.90	83.50	8.4	33.56	8.2	25.1	1.99
C7	04 Mar 2019	11	13.88	83.60	8.3	33.57	8.2	25.1	1.85
C7	04 Mar 2019	12	13.81	83.90	8.2	33.57	8.2	25.1	2.07
C7	04 Mar 2019	13	13.79	83.82	8.2	33.57	8.1	25.1	2.02
C7	04 Mar 2019	14	13.72	83.92	8.0	33.58	8.1	25.1	1.94
C7	04 Mar 2019	15	13.56	84.28	7.8	33.59	8.1	25.2	1.73
C7	04 Mar 2019	16	13.38	84.37	7.5	33.60	8.1	25.2	1.47
C7	04 Mar 2019	17	13.23	84.37	7.2	33.60	8.1	25.3	1.45
C7	04 Mar 2019	18	13.11	84.45	7.1	33.60	8.1	25.3	1.10
C7	04 Mar 2019	19	13.09	84.37	7.1	33.60	8.1	25.3	1.04
C7	11 Mar 2019	1	13.82	NA	8.3	33.57	8.1	25.1	2.75
C7	11 Mar 2019	2	13.83	NA	8.2	33.57	8.1	25.1	2.93
C7	11 Mar 2019	3	13.83	NA	8.3	33.57	8.1	25.1	3.48
C7	11 Mar 2019	4	13.83	NA	8.2	33.57	8.1	25.1	3.69
C7	11 Mar 2019	5	13.83	NA	8.2	33.58	8.1	25.1	3.58
C7	11 Mar 2019	6	13.81	NA	8.1	33.58	8.1	25.1	3.48
C7	11 Mar 2019	7	13.79	NA	8.1	33.58	8.1	25.1	3.19
C7	11 Mar 2019	8	13.70	NA	8.0	33.58	8.1	25.2	3.13
C7	11 Mar 2019	9	13.60	NA	7.8	33.58	8.1	25.2	3.10
C7	11 Mar 2019	10	13.56	NA	7.8	33.57	8.1	25.2	2.98
C7	11 Mar 2019	11	13.55	NA	7.8	33.57	8.1	25.2	3.65
C7	11 Mar 2019	12	13.53	NA	7.7	33.57	8.1	25.2	3.42
C7	11 Mar 2019	13	13.52	NA	7.6	33.57	8.1	25.2	2.88
C7	11 Mar 2019	14	13.48	NA	7.6	33.58	8.1	25.2	3.00
C7	11 Mar 2019	15	13.40	NA	7.5	33.58	8.1	25.2	2.84
C7	11 Mar 2019	16	13.36	NA	7.3	33.58	8.1	25.2	3.02
C7	11 Mar 2019	17	13.17	NA	7.0	33.60	8.1	25.3	2.22
C7	11 Mar 2019	18	13.04	NA	6.8	33.60	8.0	25.3	1.39
C7	18 Mar 2019	1	15.84	83.83	8.4	33.56	8.2	24.7	0.59
C7	18 Mar 2019	2	15.80	83.84	8.4	33.56	8.2	24.7	0.61
C7	18 Mar 2019	3	15.78	83.91	8.4	33.56	8.2	24.7	0.69
C7	18 Mar 2019	4	15.76	83.89	8.3	33.56	8.2	24.7	0.76
C7	18 Mar 2019	5	15.70	83.86	8.3	33.56	8.2	24.7	0.81
C7	18 Mar 2019	6	15.63	83.66	8.3	33.56	8.2	24.7	0.82
C7	18 Mar 2019	7	15.57	83.60	8.2	33.56	8.2	24.7	0.88
C7	18 Mar 2019	8	15.40	83.47	8.3	33.56	8.2	24.8	0.93
C7	18 Mar 2019	9	15.26	83.39	8.3	33.56	8.2	24.8	1.03
C7	18 Mar 2019	10	15.18	83.29	8.4	33.56	8.2	24.8	1.02
C7	18 Mar 2019	11	14.93	83.21	8.3	33.58	8.2	24.9	1.10
C7	18 Mar 2019	12	14.53	83.43	8.0	33.58	8.2	25.0	1.15
C7	18 Mar 2019	13	14.20	83.73	7.7	33.59	8.1	25.1	1.14
C7	18 Mar 2019	14	13.70	84.05	7.3	33.61	8.1	25.2	1.26
C7	18 Mar 2019	15	13.44	84.54	7.0	33.59	8.1	25.2	1.29
C7	18 Mar 2019	16	13.25	84.93	6.7	33.60	8.1	25.3	1.02
C7	18 Mar 2019	17	13.00	85.28	6.5	33.61	8.0	25.3	0.80

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	18 Mar 2019	18	12.86	85.38	6.3	33.61	8.0	25.3	0.71
C7	18 Mar 2019	19	12.82	85.17	6.2	33.61	8.0	25.3	0.56
C7	25 Mar 2019	1	15.45	82.19	8.2	33.55	8.0	24.8	0.88
C7	25 Mar 2019	2	15.45	82.37	8.2	33.55	8.0	24.8	0.90
C7	25 Mar 2019	3	15.39	82.47	8.2	33.55	8.0	24.8	0.97
C7	25 Mar 2019	4	15.28	82.32	8.2	33.57	8.0	24.8	1.20
C7	25 Mar 2019	5	15.10	82.35	8.2	33.57	8.0	24.8	1.52
C7	25 Mar 2019	6	14.87	82.16	8.1	33.59	8.0	24.9	1.67
C7	25 Mar 2019	7	14.71	82.75	8.1	33.58	8.0	24.9	1.90
C7	25 Mar 2019	8	14.68	82.71	8.1	33.58	8.0	24.9	1.83
C7	25 Mar 2019	9	14.52	82.86	8.0	33.59	8.0	25.0	1.97
C7	25 Mar 2019	10	14.40	82.96	7.8	33.59	8.0	25.0	1.95
C7	25 Mar 2019	11	14.22	83.11	7.7	33.59	8.0	25.1	2.03
C7	25 Mar 2019	12	14.14	82.97	7.6	33.59	8.0	25.1	1.93
C7	25 Mar 2019	13	14.06	82.92	7.4	33.59	8.0	25.1	1.68
C7	25 Mar 2019	14	13.95	82.74	7.4	33.60	8.0	25.1	1.59
C7	25 Mar 2019	15	13.82	82.89	7.2	33.60	8.0	25.1	1.67
C7	25 Mar 2019	16	13.77	82.71	7.2	33.59	8.0	25.1	1.52
C7	25 Mar 2019	17	13.67	82.52	7.0	33.61	7.9	25.2	1.33
C7	25 Mar 2019	18	13.51	82.34	6.8	33.61	7.9	25.2	1.10
C8	04 Mar 2019	1	14.69	81.48	8.7	33.40	8.2	24.8	0.72
C8	04 Mar 2019	2	14.66	81.97	8.7	33.42	8.2	24.8	0.80
C8	04 Mar 2019	3	14.58	82.11	8.7	33.46	8.2	24.9	1.04
C8	04 Mar 2019	4	14.35	82.41	8.8	33.52	8.2	25.0	1.28
C8	04 Mar 2019	5	14.24	82.90	8.8	33.54	8.2	25.0	1.50
C8	04 Mar 2019	6	14.16	83.49	8.7	33.55	8.2	25.0	1.45
C8	04 Mar 2019	7	14.07	83.68	8.6	33.56	8.2	25.1	1.68
C8	04 Mar 2019	8	14.01	83.41	8.5	33.56	8.2	25.1	1.63
C8	04 Mar 2019	9	13.93	83.48	8.3	33.57	8.2	25.1	1.72
C8	04 Mar 2019	10	13.76	83.51	8.1	33.57	8.2	25.1	1.85
C8	04 Mar 2019	11	13.67	83.76	8.0	33.57	8.1	25.2	2.02
C8	04 Mar 2019	12	13.65	83.90	7.9	33.57	8.1	25.2	1.78
C8	04 Mar 2019	13	13.55	83.82	7.8	33.58	8.1	25.2	1.55
C8	04 Mar 2019	14	13.40	83.79	7.5	33.59	8.1	25.2	1.61
C8	04 Mar 2019	15	13.29	84.06	7.4	33.58	8.1	25.2	1.56
C8	04 Mar 2019	16	13.36	84.04	7.3	33.57	8.1	25.2	1.69
C8	04 Mar 2019	17	13.20	84.11	7.3	33.59	8.1	25.3	1.69
C8	04 Mar 2019	18	13.18	84.22	7.1	33.58	8.1	25.3	1.80
C8	04 Mar 2019	19	13.04	84.24	6.9	33.60	8.1	25.3	1.43
C8	04 Mar 2019	20	12.95	84.26	6.8	33.60	8.1	25.3	1.12
C8	11 Mar 2019	1	13.84	NA	8.2	33.55	8.1	25.1	2.72
C8	11 Mar 2019	2	13.84	NA	8.3	33.55	8.1	25.1	2.69
C8	11 Mar 2019	3	13.85	NA	8.2	33.56	8.1	25.1	2.74
C8	11 Mar 2019	4	13.86	NA	8.2	33.56	8.1	25.1	2.68
C8	11 Mar 2019	5	13.85	NA	8.2	33.57	8.1	25.1	2.71
C8	11 Mar 2019	6	13.85	NA	8.2	33.57	8.1	25.1	2.71
C8	11 Mar 2019	7	13.83	NA	8.3	33.58	8.1	25.1	2.74
C8	11 Mar 2019	8	13.81	NA	8.3	33.58	8.1	25.1	3.11
C8	11 Mar 2019	9	13.81	NA	8.2	33.58	8.1	25.1	3.19
C8	11 Mar 2019	10	13.79	NA	8.2	33.58	8.1	25.1	3.00
C8	11 Mar 2019	11	13.75	NA	8.1	33.58	8.1	25.1	2.99
C8	11 Mar 2019	12	13.71	NA	8.0	33.58	8.1	25.1	3.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	11 Mar 2019	13	13.65	NA	7.9	33.58	8.1	25.2	3.21
C8	11 Mar 2019	14	13.48	NA	7.6	33.60	8.1	25.2	3.00
C8	11 Mar 2019	15	13.37	NA	7.5	33.59	8.1	25.2	2.51
C8	11 Mar 2019	16	13.34	NA	7.2	33.59	8.1	25.2	2.50
C8	11 Mar 2019	17	12.77	NA	6.4	33.66	8.0	25.4	1.90
C8	11 Mar 2019	18	12.30	NA	5.8	33.64	8.0	25.5	1.32
C8	11 Mar 2019	19	12.29	NA	5.7	33.63	7.9	25.5	1.19
C8	18 Mar 2019	1	15.73	83.88	8.6	33.55	8.2	24.7	0.52
C8	18 Mar 2019	2	15.39	83.81	8.4	33.59	8.2	24.8	0.54
C8	18 Mar 2019	3	15.03	84.16	8.4	33.57	8.2	24.9	0.60
C8	18 Mar 2019	4	14.84	84.43	8.4	33.57	8.2	24.9	0.73
C8	18 Mar 2019	5	14.71	84.31	8.4	33.57	8.2	24.9	0.89
C8	18 Mar 2019	6	14.56	83.36	8.3	33.57	8.2	25.0	1.07
C8	18 Mar 2019	7	14.29	82.69	8.2	33.58	8.2	25.0	1.33
C8	18 Mar 2019	8	14.15	82.45	8.1	33.57	8.1	25.1	1.39
C8	18 Mar 2019	9	14.06	82.82	8.0	33.58	8.1	25.1	1.36
C8	18 Mar 2019	10	13.95	83.11	7.9	33.59	8.1	25.1	1.45
C8	18 Mar 2019	11	13.74	83.64	7.8	33.60	8.1	25.2	1.55
C8	18 Mar 2019	12	13.63	84.10	7.5	33.59	8.1	25.2	1.53
C8	18 Mar 2019	13	13.56	84.01	7.3	33.59	8.1	25.2	1.40
C8	18 Mar 2019	14	13.47	84.15	7.2	33.60	8.1	25.2	1.16
C8	18 Mar 2019	15	13.36	84.62	7.0	33.60	8.1	25.2	1.14
C8	18 Mar 2019	16	13.21	84.67	6.7	33.61	8.1	25.3	1.04
C8	18 Mar 2019	17	12.90	85.06	6.3	33.62	8.0	25.3	0.96
C8	18 Mar 2019	18	12.74	84.90	6.1	33.62	8.0	25.4	0.84
C8	18 Mar 2019	19	12.73	84.99	6.1	33.61	8.0	25.4	0.72
C8	18 Mar 2019	20	12.73	84.94	6.1	33.61	8.0	25.4	0.74
C8	25 Mar 2019	1	15.39	79.63	8.1	33.54	8.0	24.8	0.70
C8	25 Mar 2019	2	15.35	79.79	8.1	33.55	8.0	24.8	0.78
C8	25 Mar 2019	3	15.20	79.89	8.1	33.56	8.0	24.8	0.98
C8	25 Mar 2019	4	15.07	80.73	8.1	33.56	8.0	24.9	1.18
C8	25 Mar 2019	5	14.97	81.25	8.1	33.56	8.0	24.9	1.52
C8	25 Mar 2019	6	14.92	81.52	8.1	33.56	8.0	24.9	2.31
C8	25 Mar 2019	7	14.90	81.22	8.2	33.56	8.0	24.9	2.79
C8	25 Mar 2019	8	14.83	81.02	8.0	33.57	8.0	24.9	2.97
C8	25 Mar 2019	9	14.63	81.18	7.9	33.58	8.0	25.0	3.35
C8	25 Mar 2019	10	14.54	81.67	7.9	33.57	8.0	25.0	3.20
C8	25 Mar 2019	11	14.47	82.38	7.8	33.59	8.0	25.0	3.05
C8	25 Mar 2019	12	14.23	82.93	7.7	33.59	8.0	25.0	2.72
C8	25 Mar 2019	13	14.25	82.88	7.7	33.57	8.0	25.0	2.69
C8	25 Mar 2019	14	14.21	83.13	7.7	33.59	8.0	25.1	2.76
C8	25 Mar 2019	15	14.08	83.10	7.6	33.59	8.0	25.1	2.50
C8	25 Mar 2019	16	14.00	82.86	7.6	33.59	8.0	25.1	2.28
C8	25 Mar 2019	17	13.86	81.75	7.5	33.60	8.0	25.1	2.21
C8	25 Mar 2019	18	13.75	79.13	7.4	33.60	8.0	25.2	2.19

NA = not available

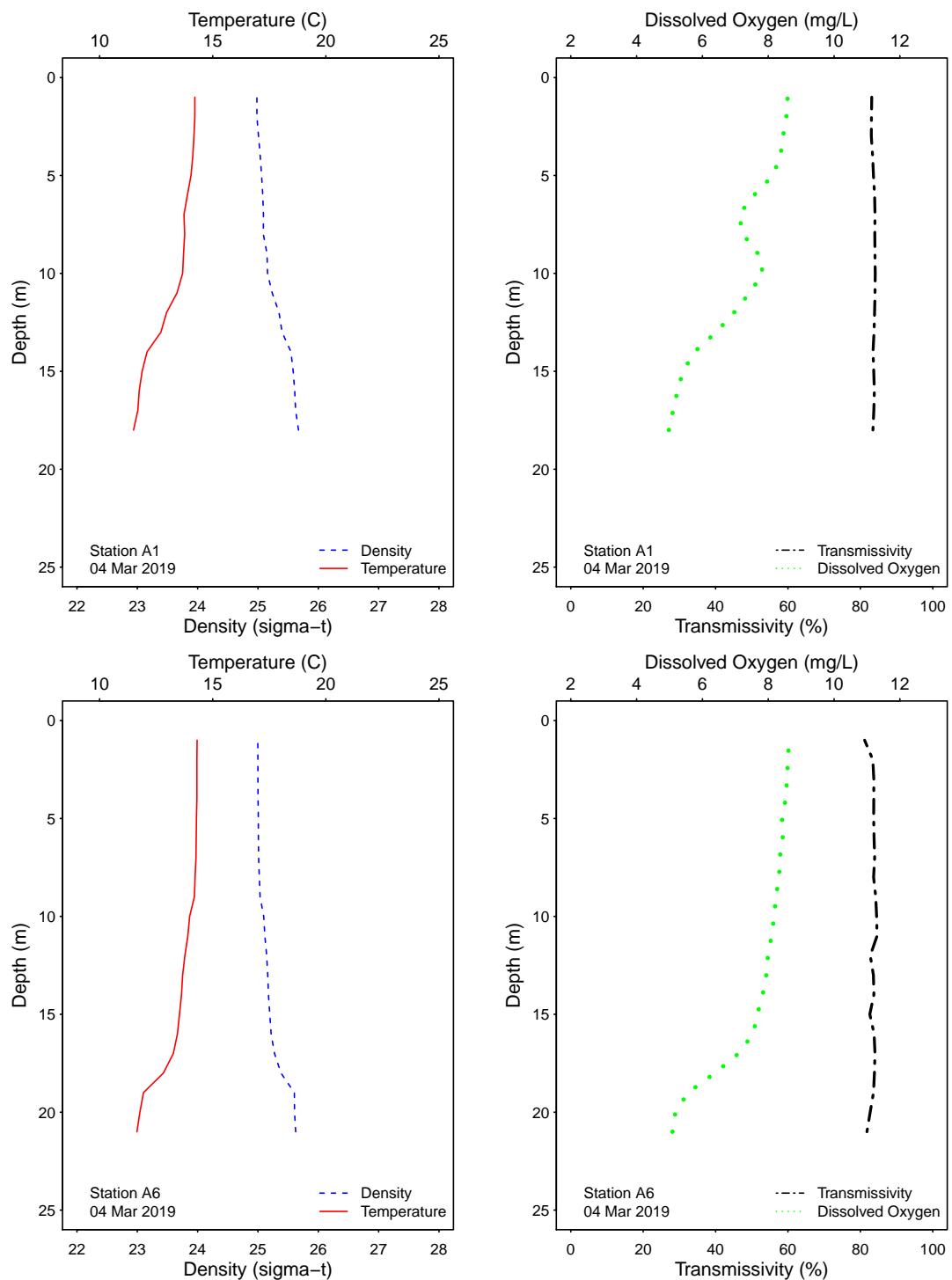


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

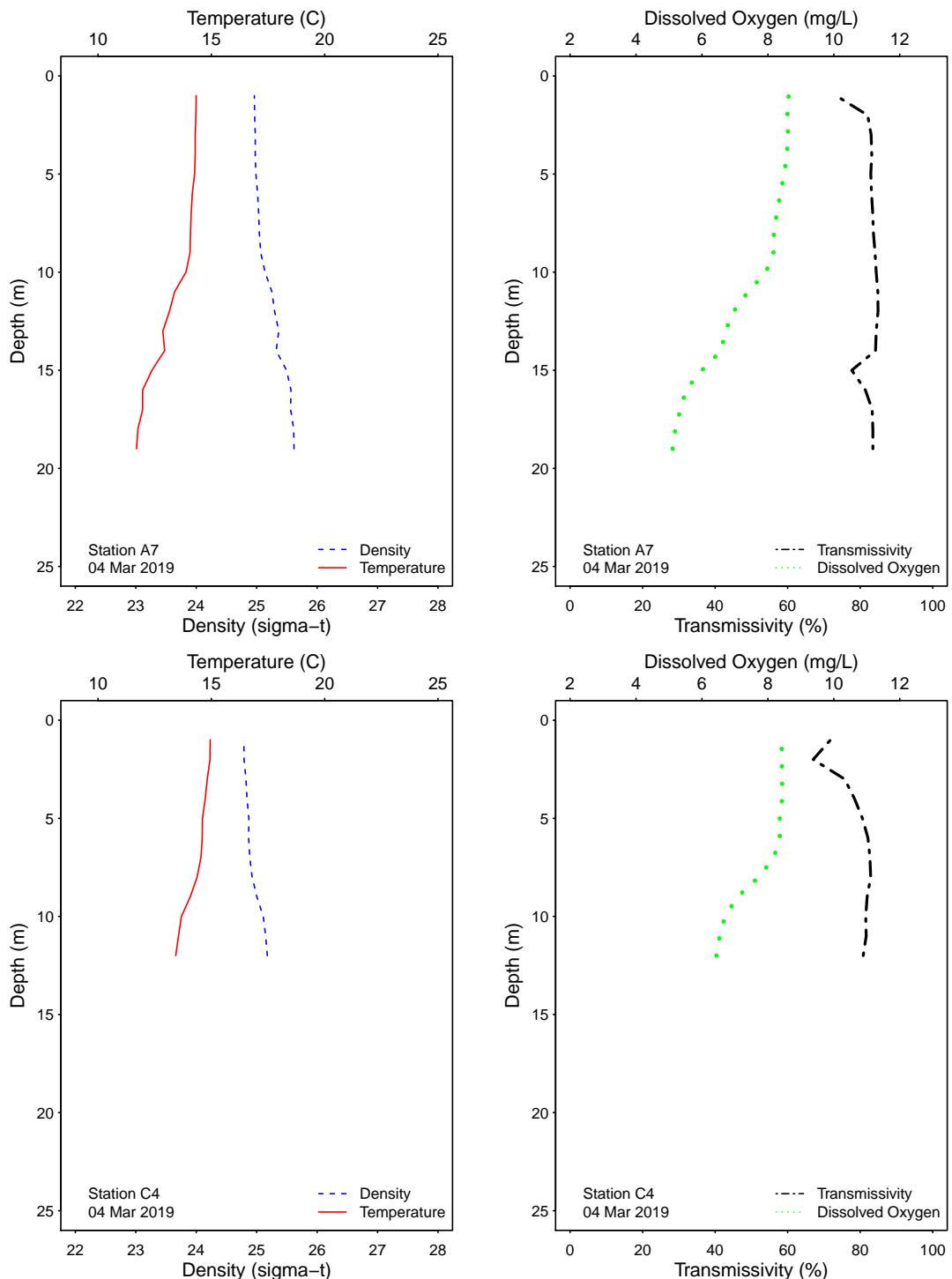


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

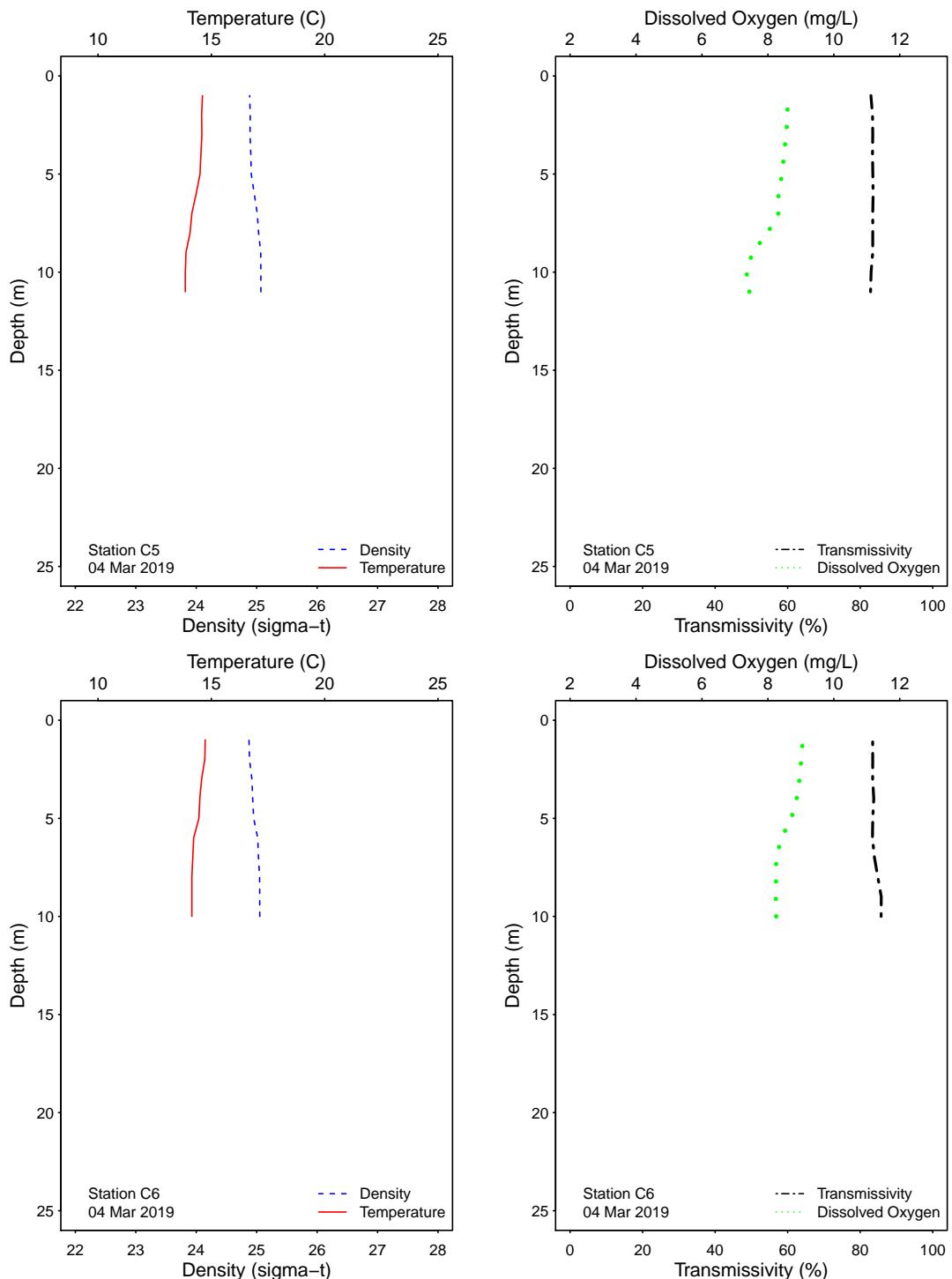


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

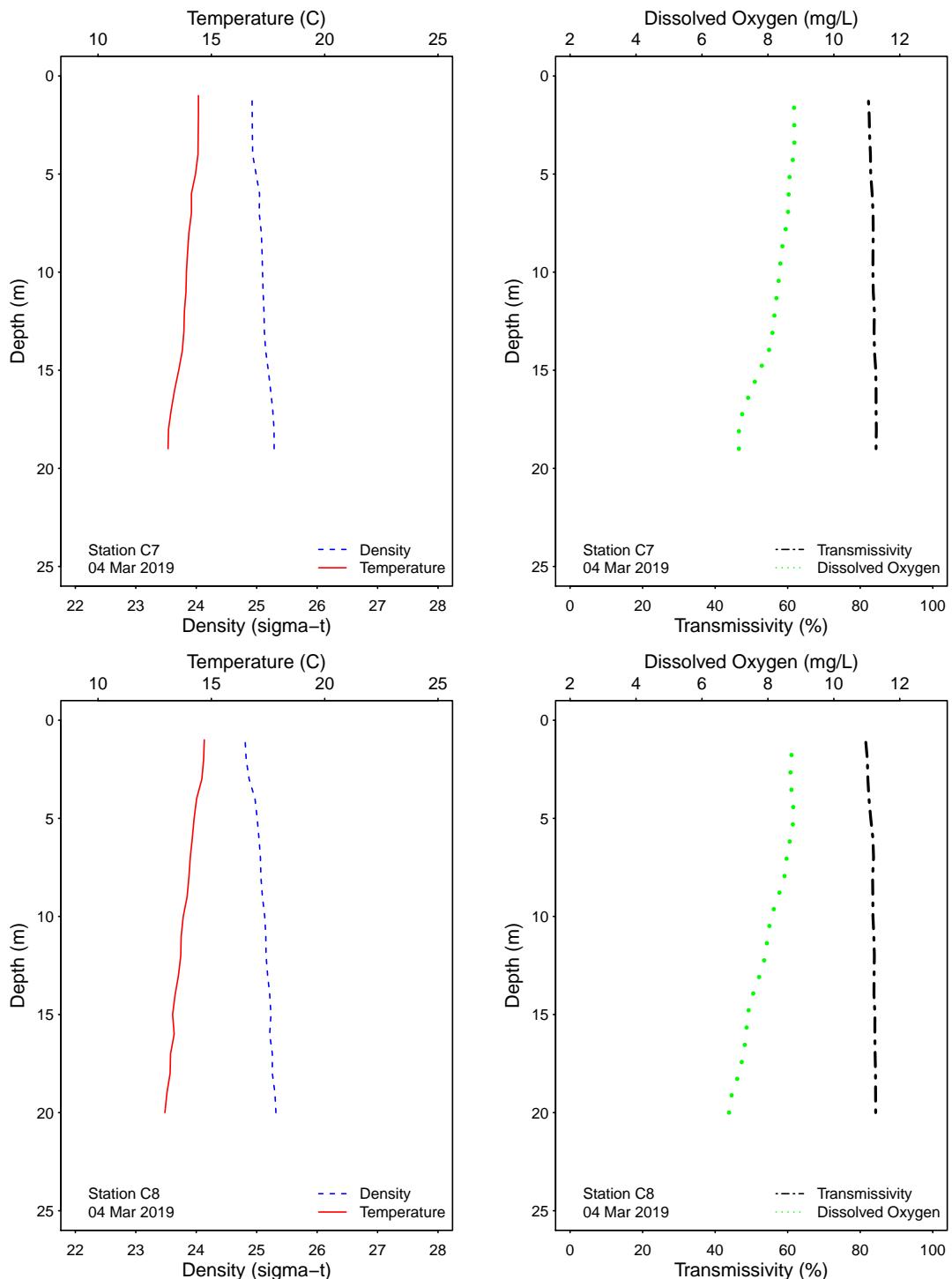


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

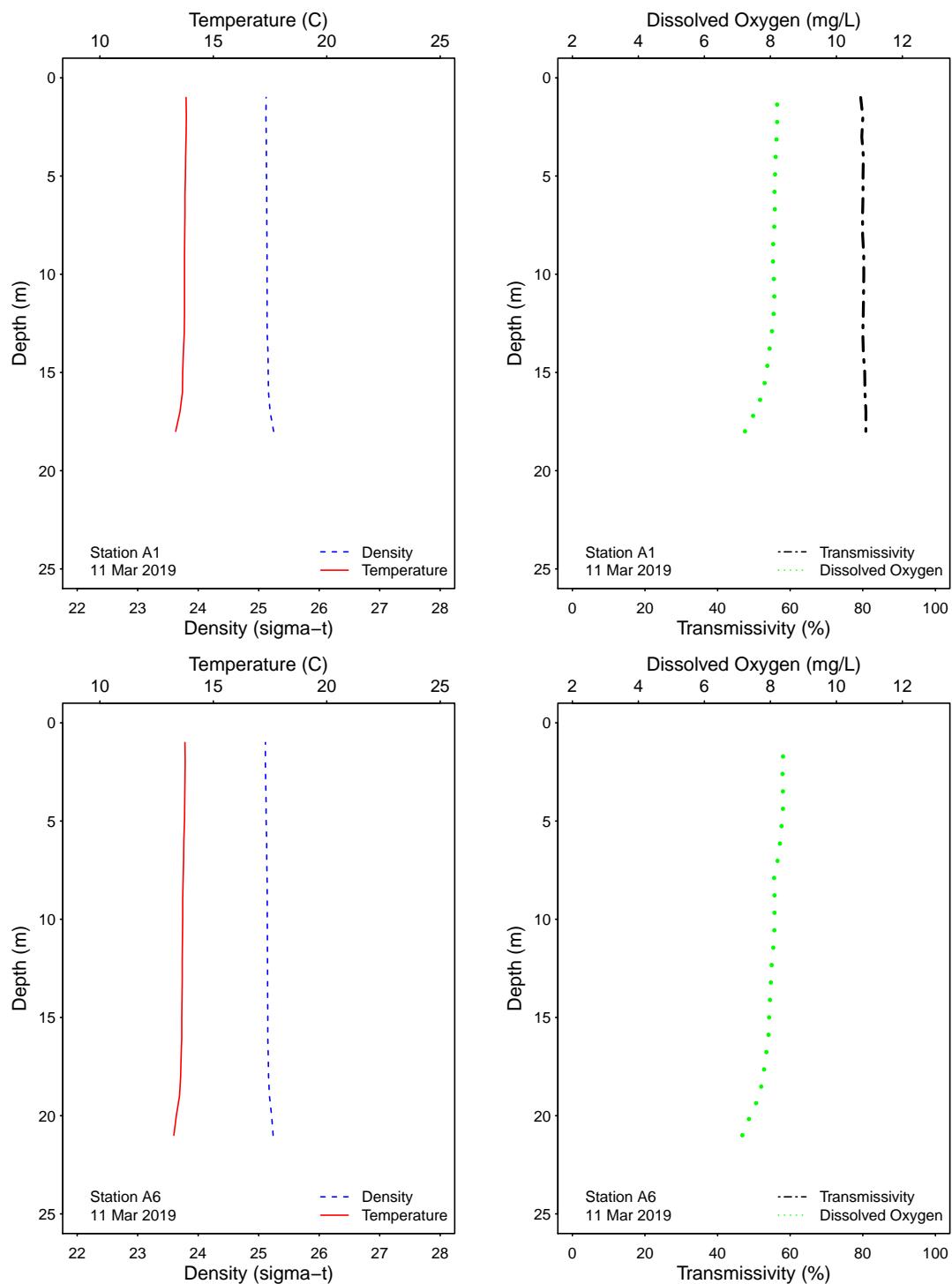


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

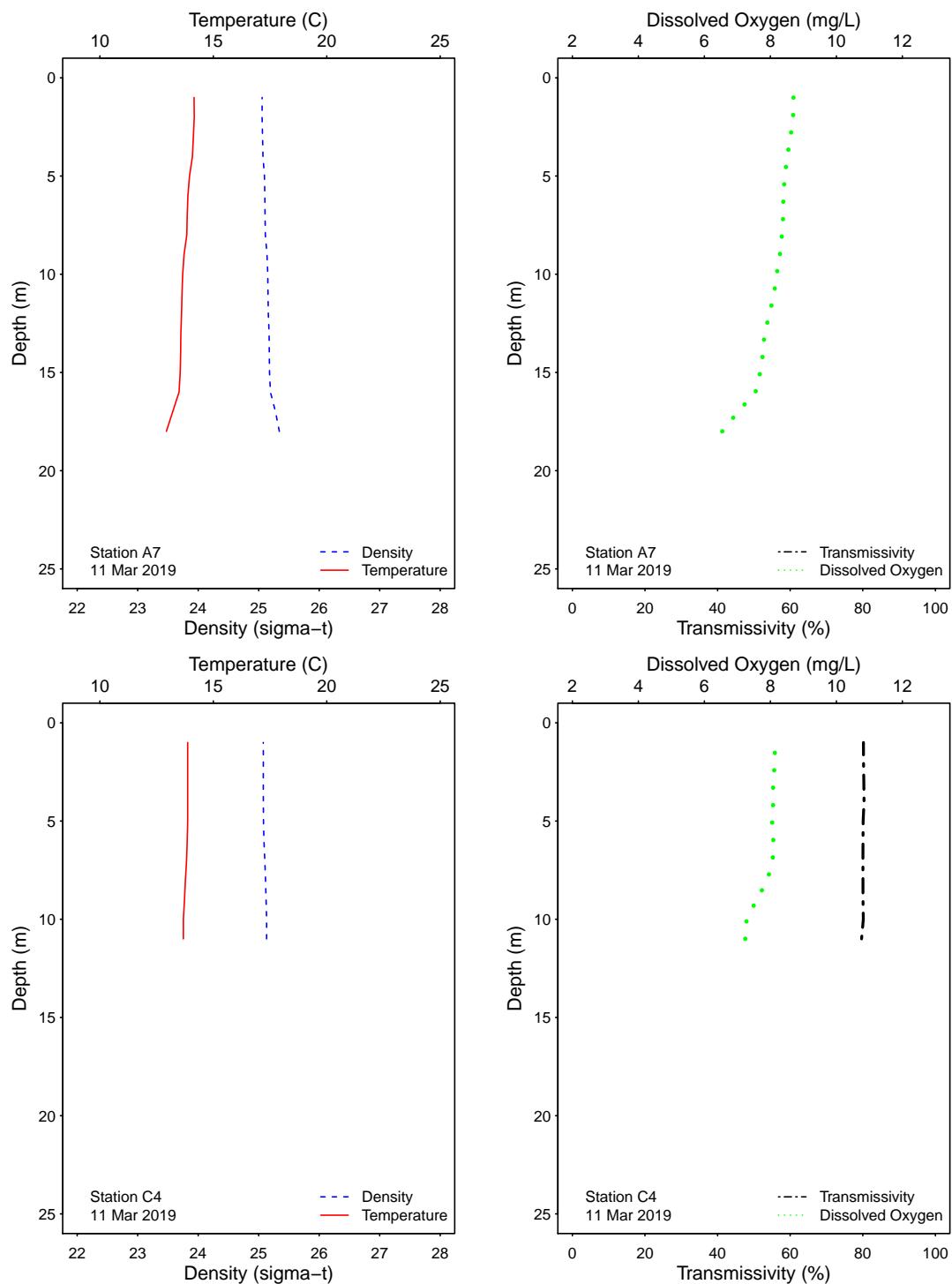


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

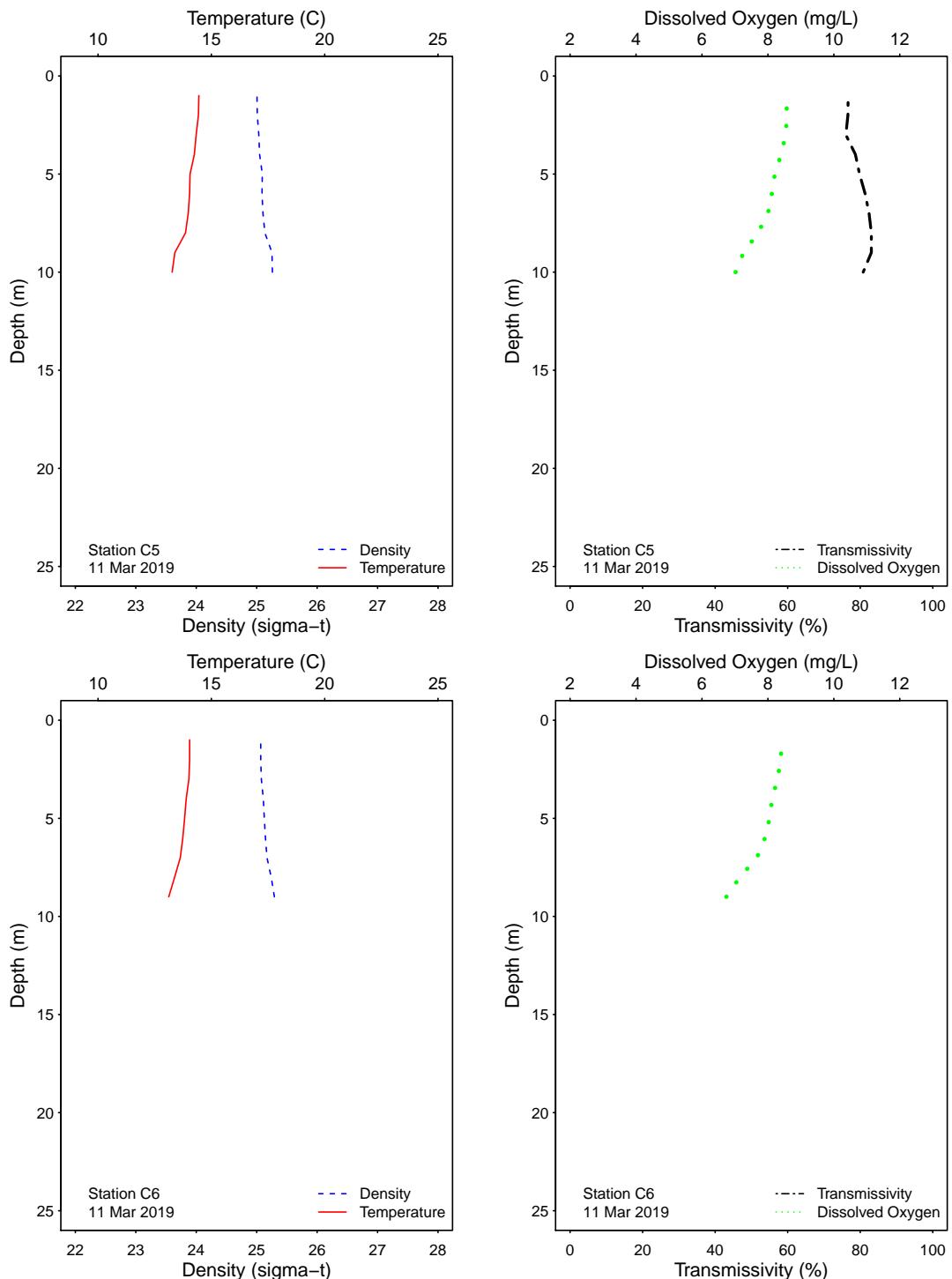


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

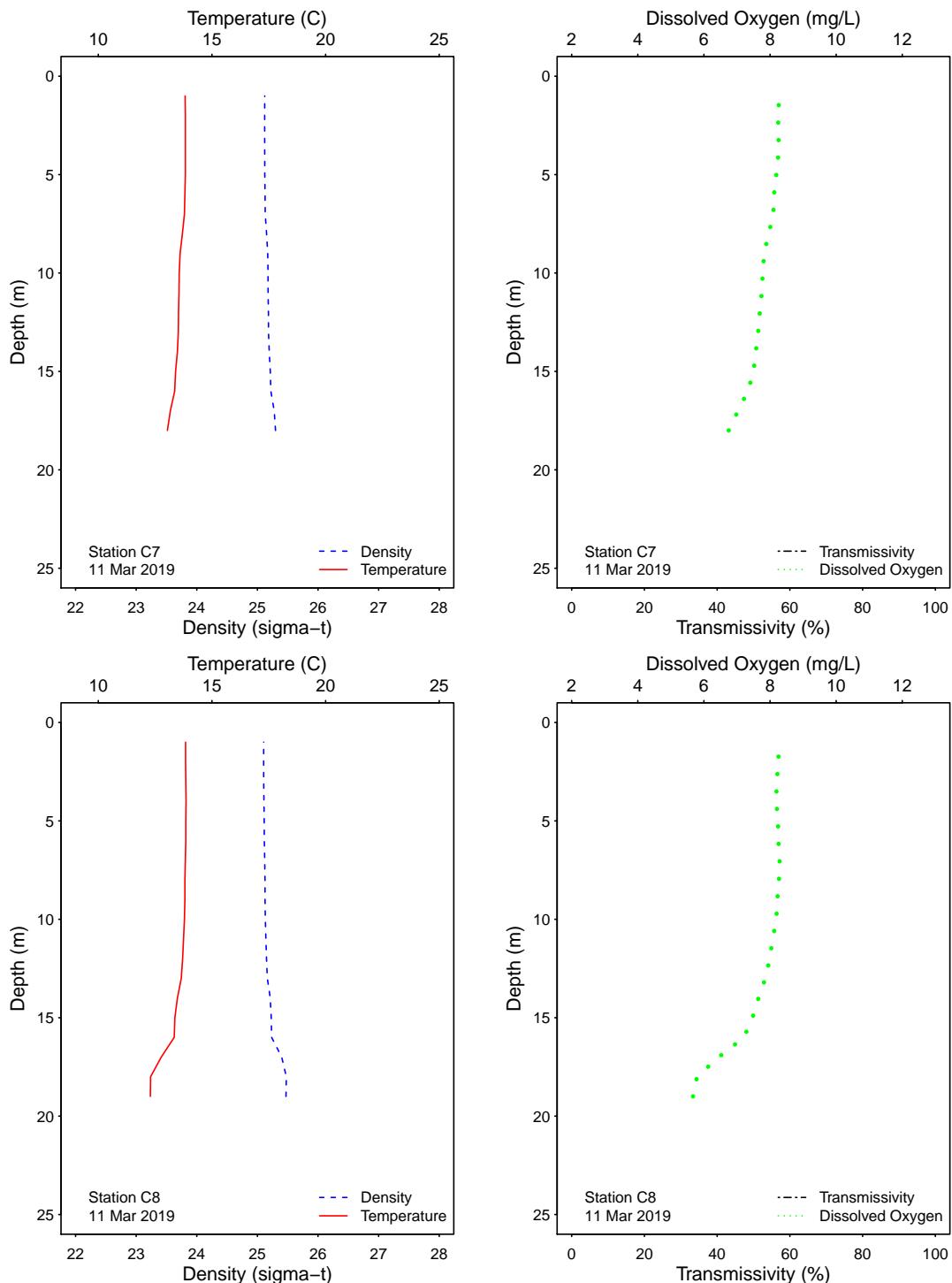


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

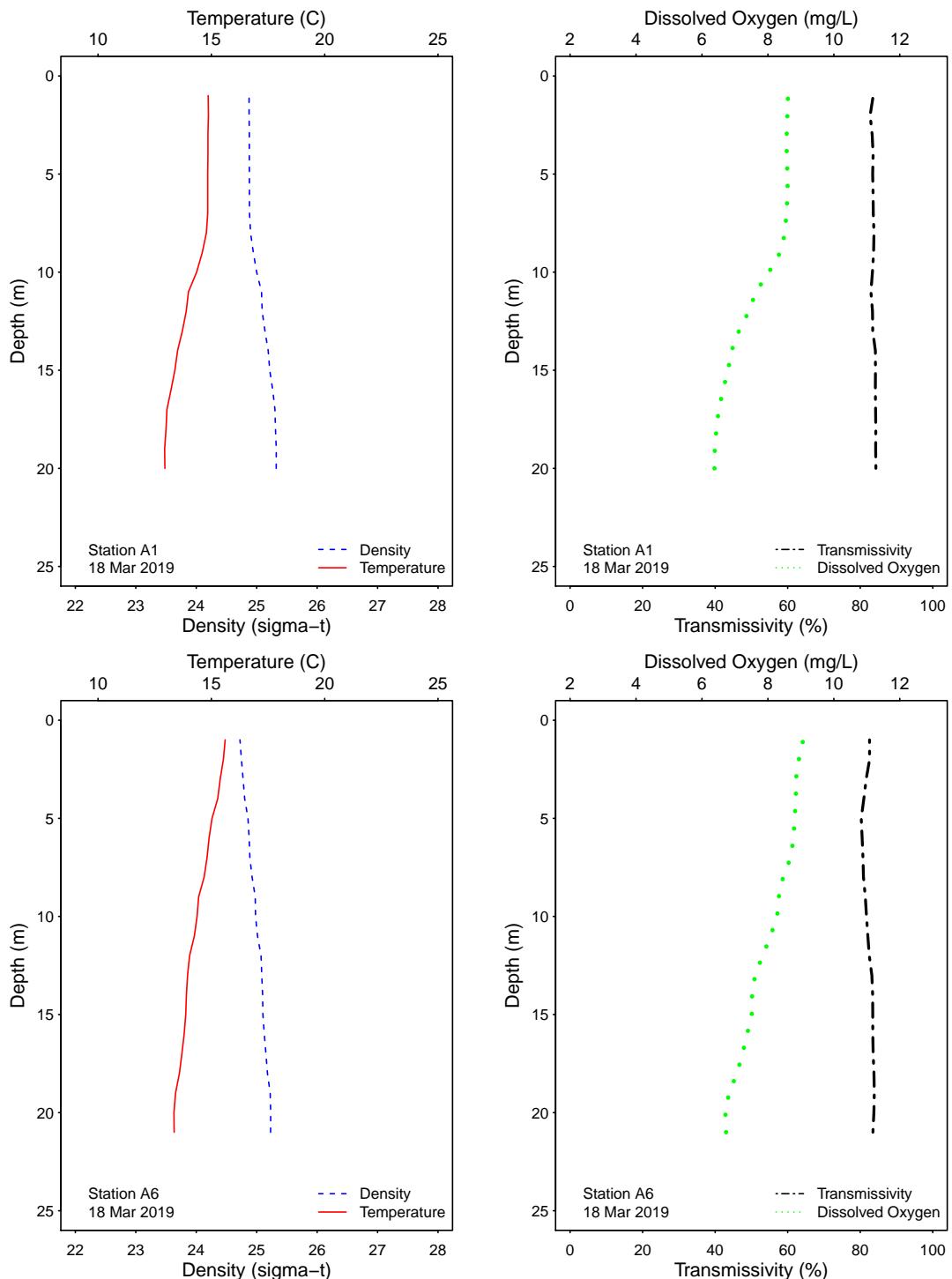


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

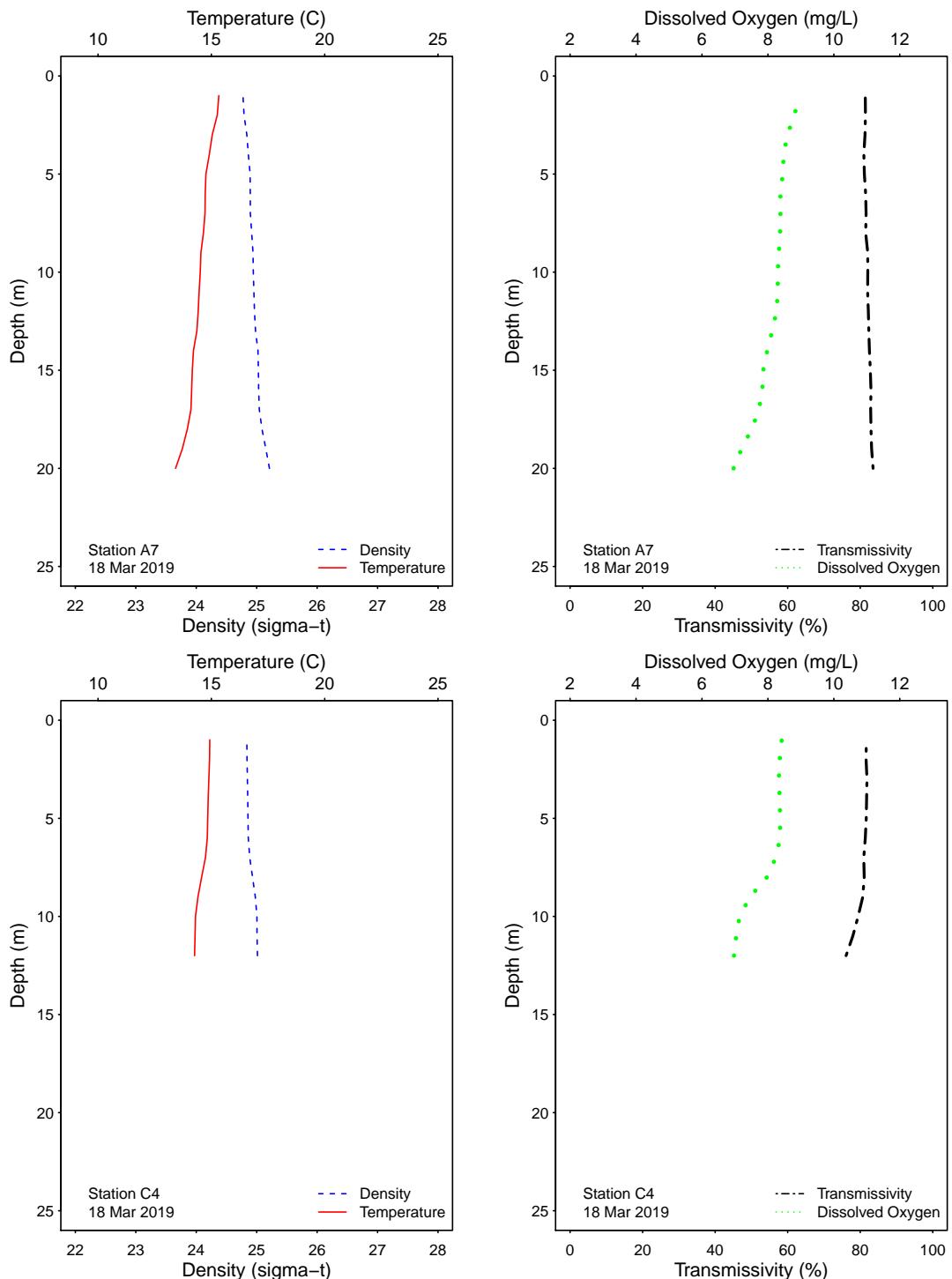


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

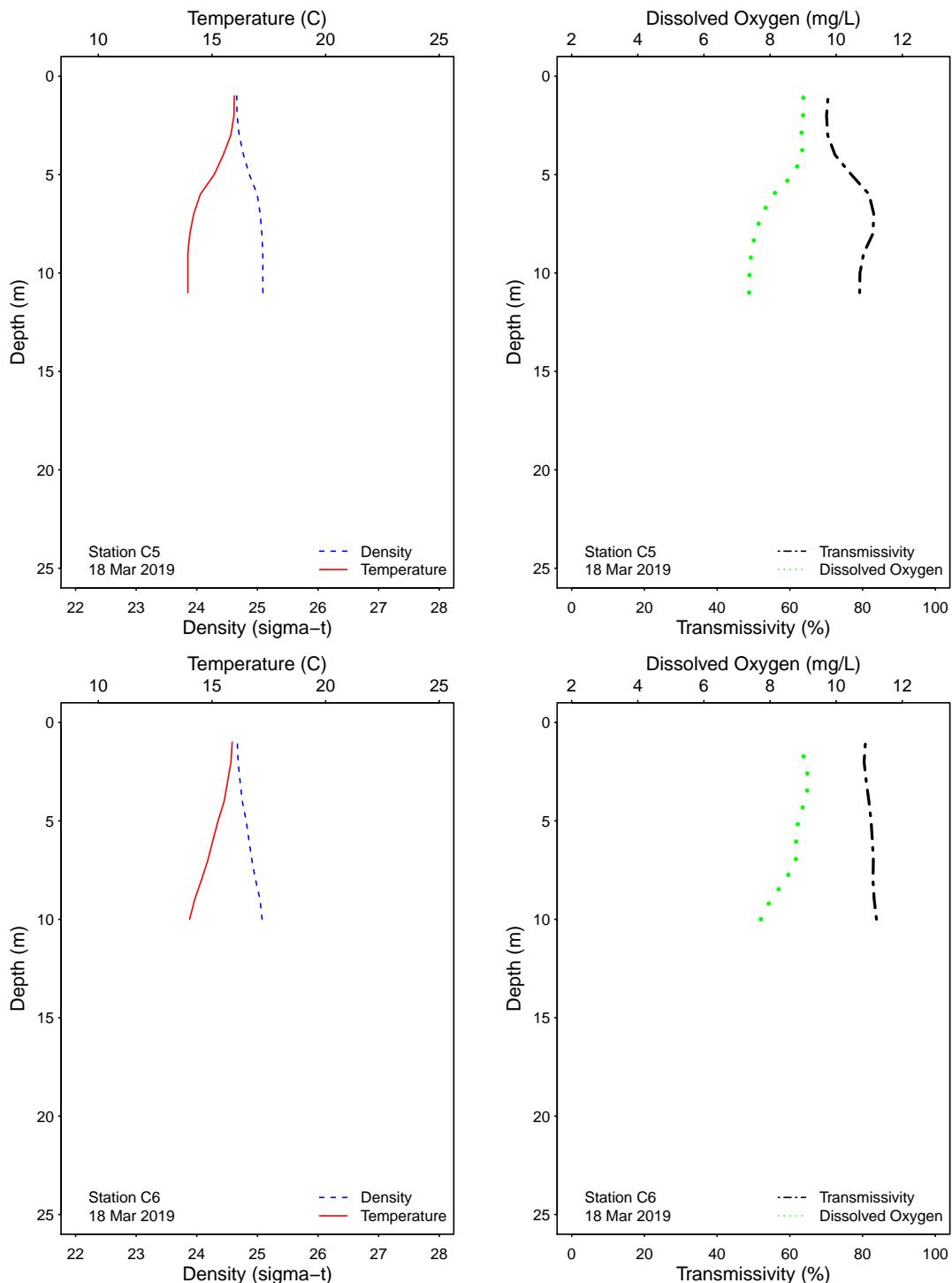


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

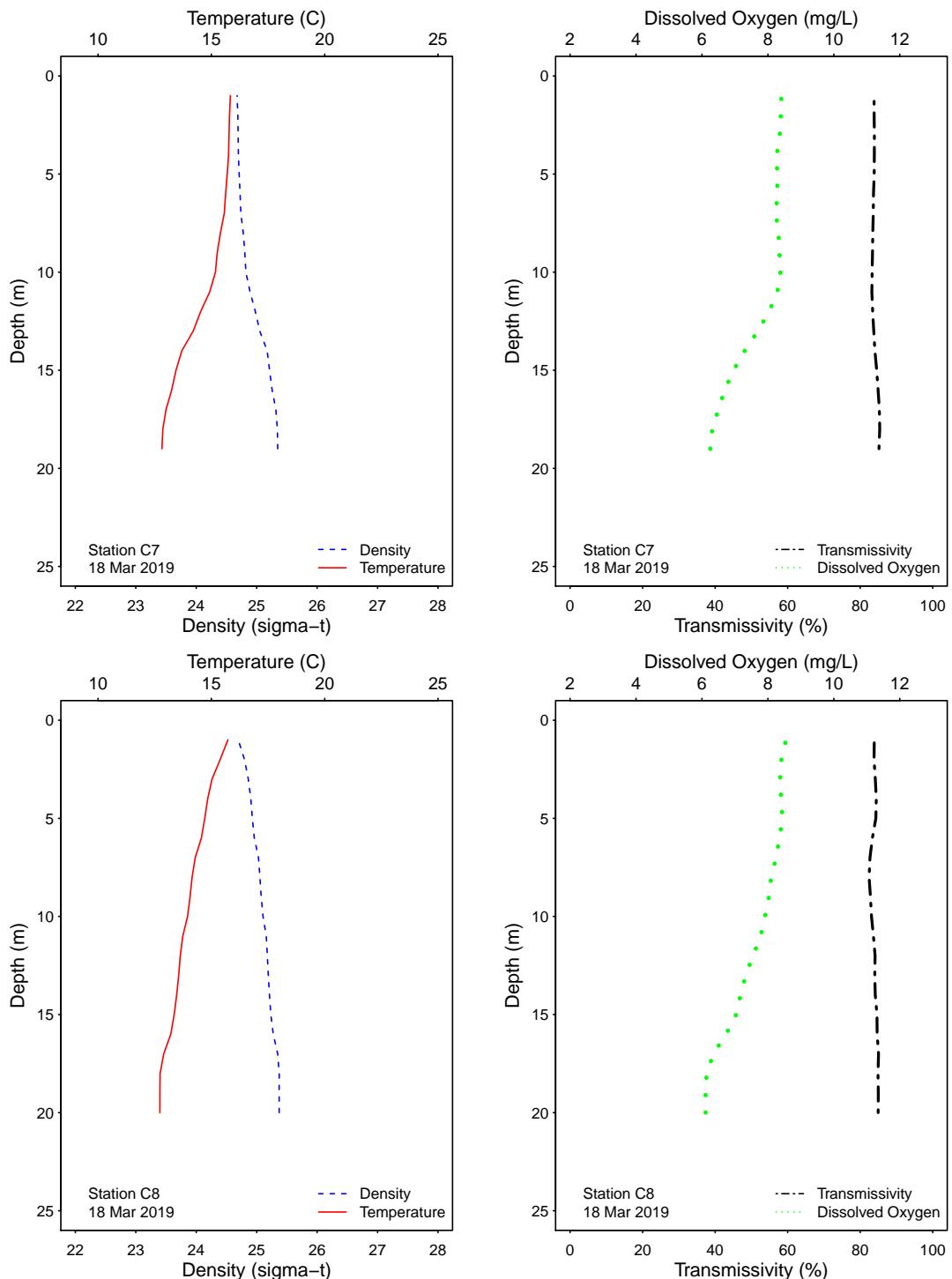


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

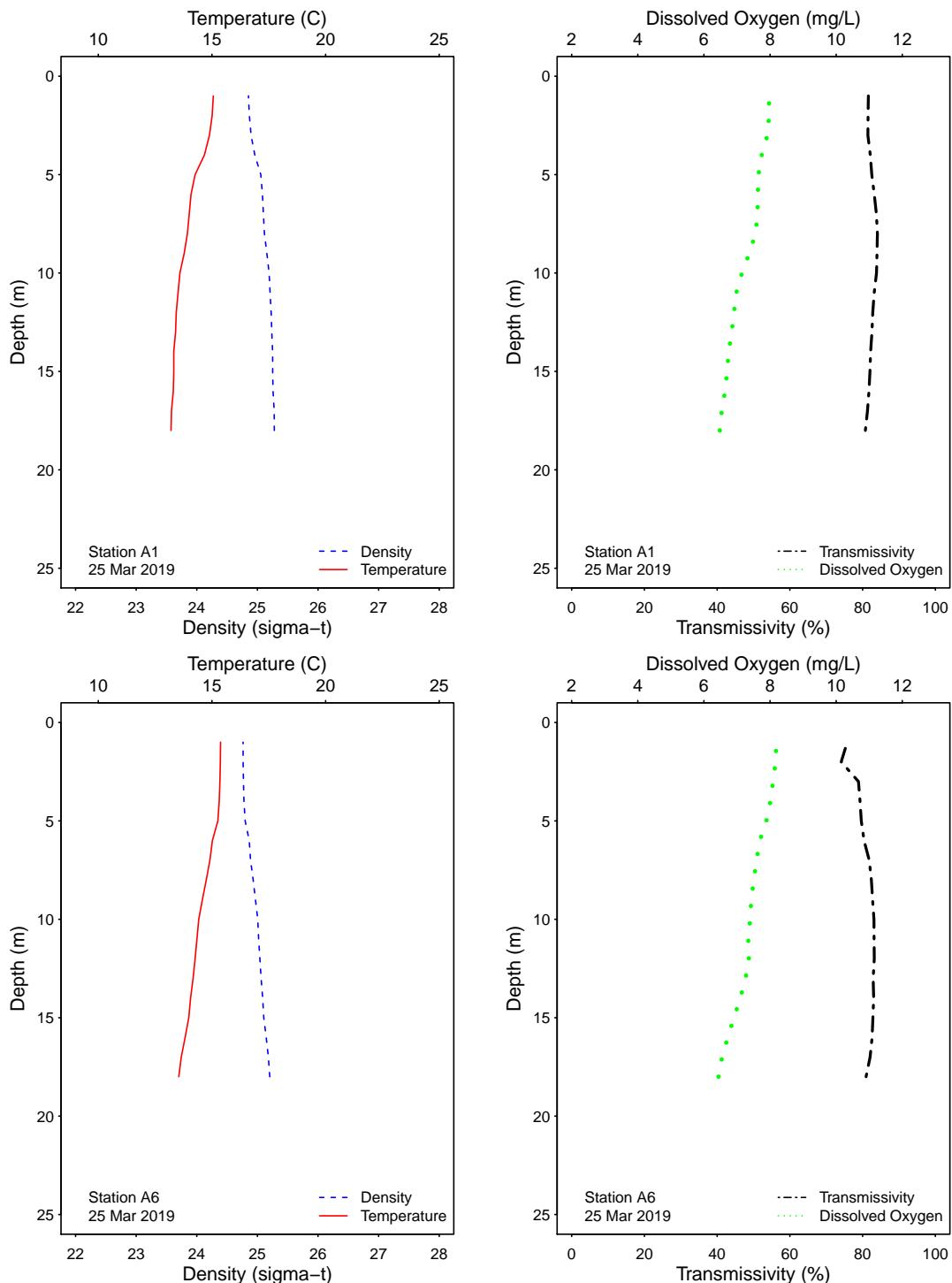


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

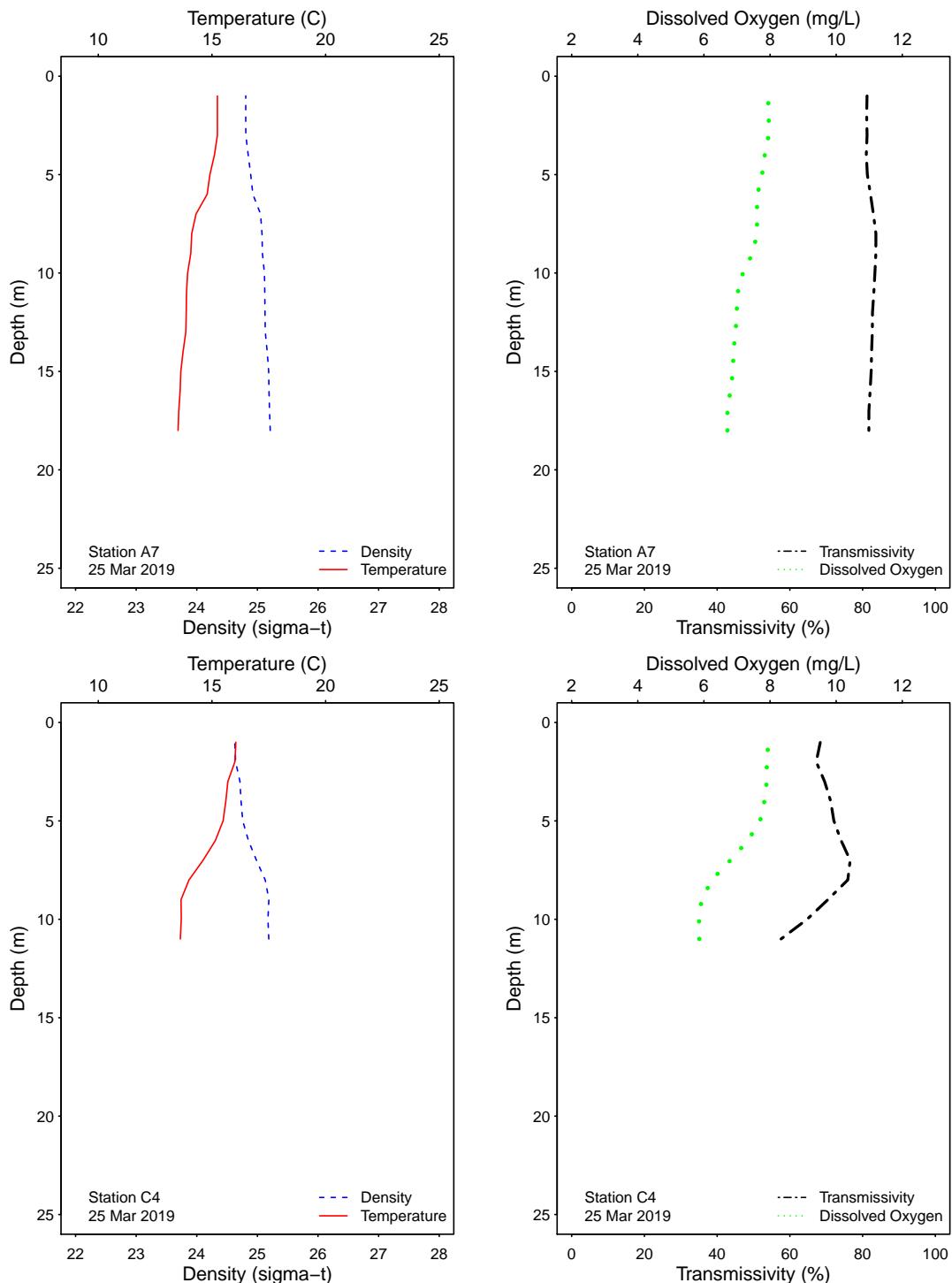


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

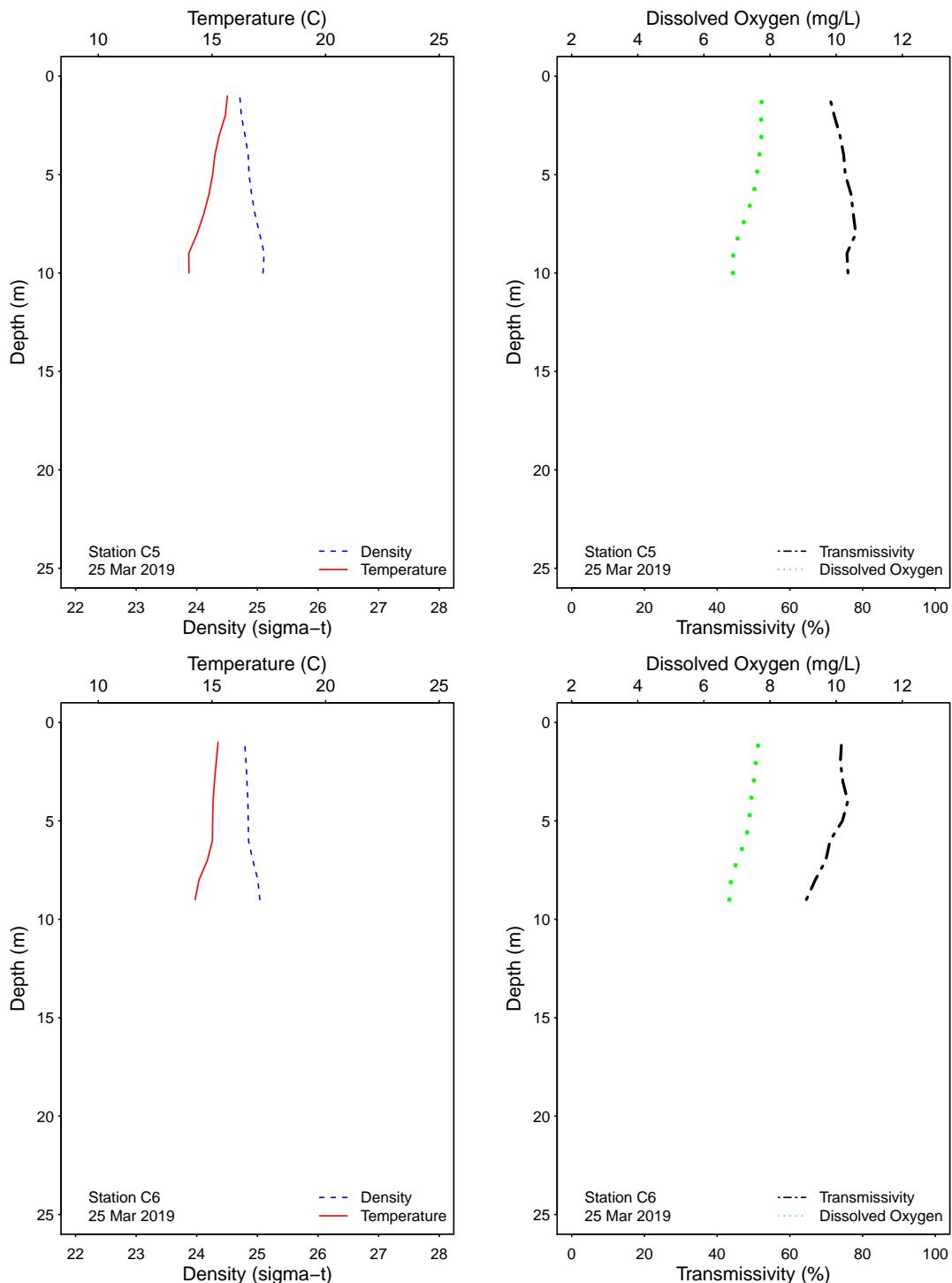


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

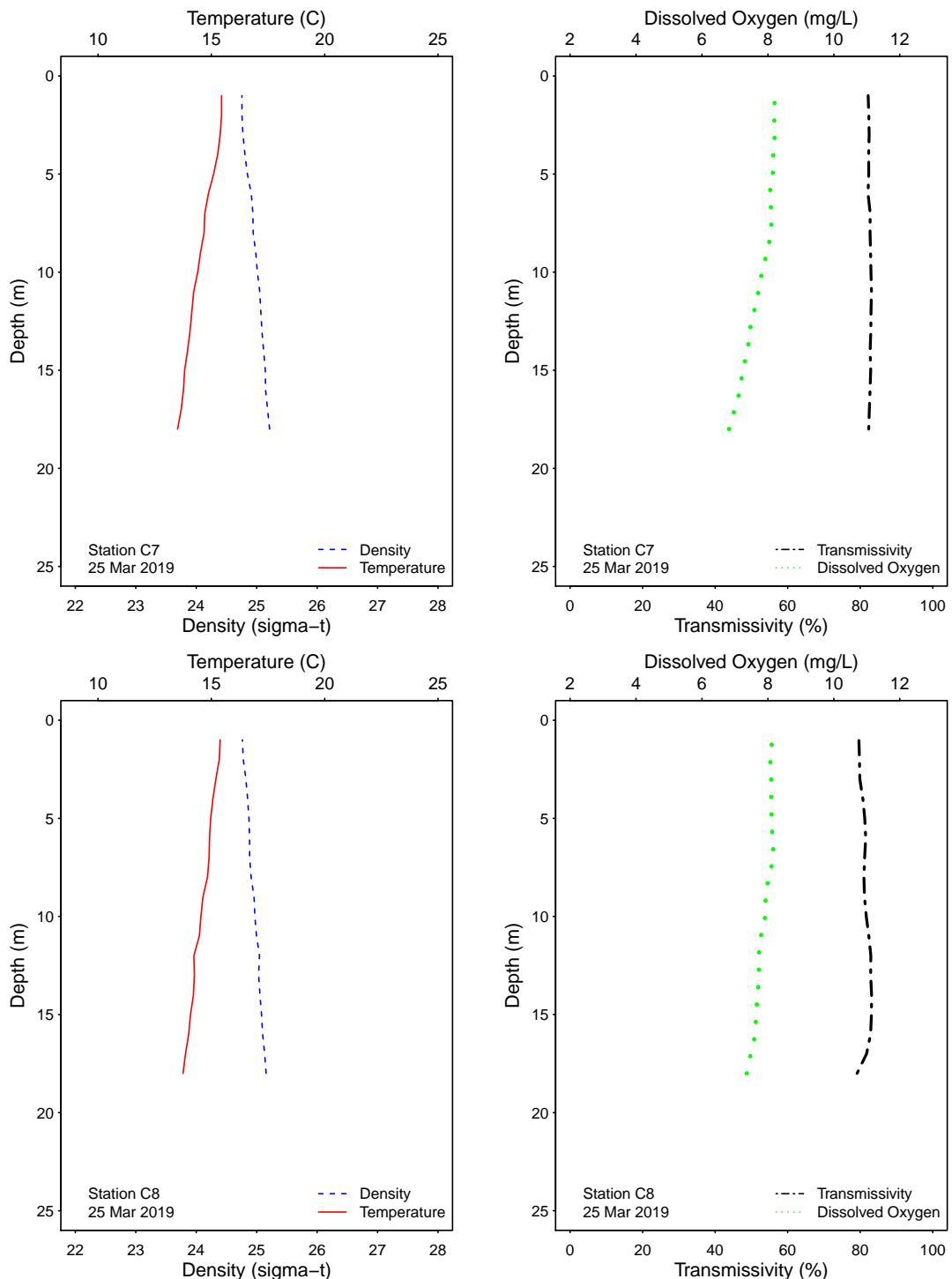


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



# Offshore Stations



**Table 4.1**

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
06 Mar 2019	IC	E	E	E	IC	IC	ns	ns	ns						
07 Mar 2019	ns	IC	E	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 4.2**

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

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F01	06 Mar 2019	1151	1	<2	14.0	81.02	7.9	33.50	8.2
F01	06 Mar 2019	1151	12	<2	12.8	83.77	6.5	33.63	8.1
F01	06 Mar 2019	1151	18	<2	11.8	86.49	5.4	33.65	8.0
F02	06 Mar 2019	816	1	<2	14.3	84.49	8.6	33.54	8.2
F02	06 Mar 2019	816	12	6e	13.9	83.57	8.0	33.54	8.2
F02	06 Mar 2019	816	18	<2	12.6	83.94	6.1	33.64	8.0
F03	06 Mar 2019	828	1	<2	14.2	81.85	8.2	33.45	8.2
F03	06 Mar 2019	828	12	<2	14.1	82.67	8.0	33.56	8.2
F03	06 Mar 2019	828	18	<2	14.0	81.47	7.5	33.58	8.2
F04	06 Mar 2019	1118	1	<2	14.7	86.42	8.9	33.57	8.2
F04	06 Mar 2019	1118	25	<2	12.6	85.82	6.3	33.60	8.0
F04	06 Mar 2019	1118	60	40	11.0	81.90	4.5	33.73	7.9
F05	06 Mar 2019	1104	1	<2	14.7	85.91	8.9	33.58	8.2
F05	06 Mar 2019	1104	25	<2	12.3	85.92	6.1	33.65	8.0
F05	06 Mar 2019	1104	60	50	11.0	83.12	4.5	33.72	7.9
F06	06 Mar 2019	1050	1	<2	14.6	85.35	8.9	33.55	8.2
F06	06 Mar 2019	1050	25	<2	13.4	84.18	7.5	33.58	8.1
F06	06 Mar 2019	1050	60	48	10.9	81.34	4.4	33.74	7.9
F07	06 Mar 2019	1033	1	<2	14.6	85.38	8.9	33.54	8.2
F07	06 Mar 2019	1033	25	<2	12.5	86.35	6.2	33.60	8.0
F07	06 Mar 2019	1033	60	50	10.9	83.45	4.3	33.74	7.9
F08	06 Mar 2019	1018	1	<2	14.8	86.24	8.7	33.55	8.2
F08	06 Mar 2019	1018	25	<2	12.7	85.61	6.6	33.60	8.1
F08	06 Mar 2019	1018	60	56	10.8	81.42	4.1	33.77	7.8
F09	06 Mar 2019	1007	1	<2	14.7	86.13	8.7	33.56	8.2
F09	06 Mar 2019	1007	25	<2	12.4	86.55	6.1	33.61	8.0
F09	06 Mar 2019	1007	60	<2	10.8	82.06	4.2	33.75	7.8
F10	06 Mar 2019	950	1	<2	14.8	85.47	8.8	33.54	8.2
F10	06 Mar 2019	950	25	<2	12.5	86.26	6.1	33.62	8.0
F10	06 Mar 2019	950	60	180e	10.8	78.46	4.0	33.77	7.8
F11	06 Mar 2019	931	1	4e	14.5	83.39	8.6	33.52	8.2
F11	06 Mar 2019	931	25	14e	11.8	86.98	5.4	33.65	8.0
F11	06 Mar 2019	931	60	110	10.8	81.39	4.0	33.77	7.8
F12	06 Mar 2019	914	1	2e	14.4	83.89	8.7	33.54	8.2
F12	06 Mar 2019	914	25	2e	12.0	86.46	5.5	33.67	8.0
F12	06 Mar 2019	914	60	240e	10.7	79.86	3.9	33.75	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F13	06 Mar 2019	858	1	4e	14.2	83.90	8.5	33.55	8.2
F13	06 Mar 2019	858	25	4e	11.9	86.43	5.5	33.66	8.0
F13	06 Mar 2019	858	60	36e	11.0	83.57	4.3	33.75	7.8
F14	06 Mar 2019	844	1	<2	14.5	82.57	8.6	33.52	8.2
F14	06 Mar 2019	844	25	<2	12.6	84.01	6.1	33.63	8.0
F14	06 Mar 2019	844	60	6e	11.0	83.44	4.4	33.75	7.9
F15	07 Mar 2019	1140	1	<2	15.2	83.77	8.7	33.54	8.2
F15	07 Mar 2019	1140	25	<2	13.0	85.99	6.8	33.60	8.1
F15	07 Mar 2019	1140	60	2e	10.8	87.88	4.6	33.75	7.9
F15	07 Mar 2019	1140	80	8e	10.3	85.64	3.6	33.89	7.8
F16	07 Mar 2019	1125	1	<2	14.8	83.57	8.8	33.51	8.2
F16	07 Mar 2019	1125	25	<2	12.9	85.12	6.8	33.61	8.1
F16	07 Mar 2019	1125	60	18e	10.6	87.71	4.3	33.79	7.9
F16	07 Mar 2019	1125	80	12e	10.3	85.96	3.6	33.89	7.8
F17	07 Mar 2019	1110	1	<2	14.8	84.14	8.7	33.53	8.2
F17	07 Mar 2019	1110	25	<2	12.3	86.04	5.9	33.64	8.0
F17	07 Mar 2019	1110	60	14e	10.6	87.47	4.2	33.80	7.9
F17	07 Mar 2019	1110	80	8e	10.4	83.77	3.7	33.88	7.8
F18	07 Mar 2019	1054	1	<2	14.8	83.86	8.7	33.52	8.2
F18	07 Mar 2019	1054	25	<2	12.3	85.89	5.9	33.64	8.0
F18	07 Mar 2019	1054	60	30e	10.7	87.39	4.2	33.78	7.9
F18	07 Mar 2019	1054	80	76	10.3	79.75	3.5	33.88	7.8
F19	07 Mar 2019	1030	1	<2	14.8	84.13	8.7	33.51	8.2
F19	07 Mar 2019	1030	25	<2	12.6	86.02	6.2	33.62	8.1
F19	07 Mar 2019	1030	60	18e	10.7	87.51	4.3	33.79	7.9
F19	07 Mar 2019	1030	80	180e	10.3	86.32	3.5	33.87	7.8
F20	07 Mar 2019	1014	1	<2	14.7	83.13	8.7	33.53	8.2
F20	07 Mar 2019	1014	25	<2	12.8	87.06	6.4	33.61	8.1
F20	07 Mar 2019	1014	60	<2	10.8	84.14	4.4	33.76	7.9
F20	07 Mar 2019	1014	80	18e	10.4	83.02	3.6	33.85	7.8
F21	07 Mar 2019	959	1	<2	15.0	83.60	8.6	33.56	8.2
F21	07 Mar 2019	959	25	<2	13.4	84.91	7.5	33.57	8.1
F21	07 Mar 2019	959	60	4e	11.0	87.51	4.8	33.72	7.9
F21	07 Mar 2019	959	80	52	10.5	80.42	3.6	33.84	7.8
F22	07 Mar 2019	944	1	<2	15.0	84.62	8.6	33.56	8.2
F22	07 Mar 2019	944	25	<2	13.0	86.47	6.8	33.60	8.1
F22	07 Mar 2019	944	60	32e	10.8	86.26	4.4	33.75	7.9
F22	07 Mar 2019	944	80	100	10.5	73.43	3.4	33.83	7.8
F23	07 Mar 2019	927	1	<2	14.9	83.47	8.6	33.57	8.2
F23	07 Mar 2019	927	25	<2	13.2	86.91	7.3	33.61	8.1
F23	07 Mar 2019	927	60	86	10.9	86.46	4.3	33.73	7.9
F23	07 Mar 2019	927	80	16e	10.5	80.86	3.7	33.87	7.8
F24	07 Mar 2019	910	1	<2	14.6	86.75	8.9	33.57	8.3
F24	07 Mar 2019	910	25	<2	13.1	86.55	7.4	33.61	8.1

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F24	07 Mar 2019	910	60	2e	10.9	85.17	4.3	33.76	7.9
F24	07 Mar 2019	910	80	<2	10.4	78.02	3.7	33.86	7.8
F25	07 Mar 2019	851	1	<2	14.5	86.20	9.1	33.57	8.3
F25	07 Mar 2019	851	25	<2	13.8	86.30	9.1	33.60	8.3
F25	07 Mar 2019	851	60	<2	11.1	88.50	5.4	33.66	8.0
F25	07 Mar 2019	851	80	2e	10.3	82.70	3.8	33.87	7.9
F26	05 Mar 2019	1212	1	<2	14.9	84.49	9.1	33.52	8.3
F26	05 Mar 2019	1212	25	<2	12.8	81.70	7.1	33.56	8.1
F26	05 Mar 2019	1212	60	<2	11.0	88.18	5.0	33.70	7.9
F26	05 Mar 2019	1212	80	2e	10.7	87.82	4.4	33.78	7.9
F26	05 Mar 2019	1212	98	12e	10.4	85.95	3.7	33.88	7.8
F27	05 Mar 2019	1157	1	<2	15.1	82.98	9.0	33.51	8.2
F27	05 Mar 2019	1157	25	<2	13.1	82.35	7.5	33.56	8.1
F27	05 Mar 2019	1157	60	<2	11.1	87.03	4.9	33.71	7.9
F27	05 Mar 2019	1157	80	<2	10.7	87.79	4.5	33.76	7.9
F27	05 Mar 2019	1157	98	2e	10.2	86.25	3.6	33.93	7.8
F28	05 Mar 2019	1141	1	<2	14.7	82.95	9.1	33.52	8.3
F28	05 Mar 2019	1141	25	<2	13.2	86.18	7.3	33.59	8.1
F28	05 Mar 2019	1141	60	<2	11.0	87.50	4.9	33.70	7.9
F28	05 Mar 2019	1141	80	8e	10.5	86.92	4.0	33.84	7.8
F28	05 Mar 2019	1141	98	4e	10.2	87.77	3.5	33.93	7.8
F29	05 Mar 2019	1126	1	<2	14.9	84.34	9.3	33.56	8.3
F29	05 Mar 2019	1126	25	<2	13.4	85.14	7.6	33.59	8.2
F29	05 Mar 2019	1126	60	<2	11.2	87.43	5.0	33.69	7.9
F29	05 Mar 2019	1126	80	16e	10.5	87.31	4.0	33.85	7.8
F29	05 Mar 2019	1126	98	4e	10.1	85.08	3.4	33.95	7.8
F30	05 Mar 2019	1111	1	<2	14.7	83.33	9.1	33.54	8.2
F30	05 Mar 2019	1111	25	<2	12.8	84.95	6.7	33.61	8.1
F30	05 Mar 2019	1111	60	<2	11.1	87.14	4.8	33.72	7.9
F30	05 Mar 2019	1111	80	100	10.4	85.35	3.8	33.78	7.8
F30	05 Mar 2019	1111	98	60e	10.2	85.54	3.5	33.87	7.8
F31	05 Mar 2019	1054	1	<2	14.9	82.85	8.9	33.52	8.2
F31	05 Mar 2019	1054	25	<2	13.5	84.30	7.6	33.59	8.2
F31	05 Mar 2019	1054	60	8e	11.0	86.49	4.6	33.75	7.9
F31	05 Mar 2019	1054	80	80	10.6	86.16	4.1	33.81	7.8
F31	05 Mar 2019	1054	98	26e	10.1	84.28	3.4	33.96	7.8
F32	05 Mar 2019	1038	1	<2	14.6	84.02	9.1	33.54	8.2
F32	05 Mar 2019	1038	25	<2	13.7	86.71	8.1	33.59	8.2
F32	05 Mar 2019	1038	60	<2	11.2	87.37	5.0	33.69	7.9
F32	05 Mar 2019	1038	80	40	10.6	87.10	4.2	33.81	7.8
F32	05 Mar 2019	1038	98	26e	10.3	86.57	3.7	33.90	7.8
F33	05 Mar 2019	1021	1	<2	14.8	86.01	9.2	33.54	8.2
F33	05 Mar 2019	1021	25	<2	13.8	86.43	9.3	33.63	8.2
F33	05 Mar 2019	1021	60	<2	11.5	86.36	5.1	33.68	7.9
F33	05 Mar 2019	1021	80	90	10.6	86.44	4.1	33.81	7.8
F33	05 Mar 2019	1021	98	22e	10.3	87.18	3.7	33.89	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F34	05 Mar 2019	1005	1	<2	14.7	86.05	8.8	33.61	8.2
F34	05 Mar 2019	1005	25	2e	13.5	87.79	9.1	33.61	8.2
F34	05 Mar 2019	1005	60	<2	11.8	86.22	5.4	33.65	8.0
F34	05 Mar 2019	1005	80	12e	10.7	85.30	4.3	33.78	7.8
F34	05 Mar 2019	1005	98	2e	10.3	83.36	3.6	33.89	7.8
F35	05 Mar 2019	947	1	<2	14.7	87.11	9.4	33.59	8.3
F35	05 Mar 2019	947	25	2e	13.6	87.73	8.9	33.61	8.2
F35	05 Mar 2019	947	60	<2	11.7	87.17	5.5	33.65	8.0
F35	05 Mar 2019	947	80	2e	10.8	87.51	4.6	33.75	7.9
F35	05 Mar 2019	947	98	<2	10.4	85.03	3.9	33.86	7.8
F36	05 Mar 2019	918	1	<2	14.6	86.86	9.4	33.60	8.2
F36	05 Mar 2019	918	25	<2	13.4	87.73	8.8	33.62	8.2
F36	05 Mar 2019	918	60	<2	11.9	86.45	5.5	33.64	7.9
F36	05 Mar 2019	918	80	<2	10.8	86.85	4.6	33.75	7.8
F36	05 Mar 2019	918	98	<2	10.3	87.99	4.0	33.86	7.8

ns = not sampled

ND = no data

**Table 4.3**

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

Station	Date	Parameter	Value
F01	06 Mar 2019	Depth (m)	21
F01	06 Mar 2019	Arrive Time	1151
F01	06 Mar 2019	Depart Time	1155
F01	06 Mar 2019	Air Temp (C)	15
F01	06 Mar 2019	Weather	Partly Cloudy
F01	06 Mar 2019	Visibility (mi)	9
F01	06 Mar 2019	Wind Speed (kts)	11
F01	06 Mar 2019	Wind Dir	S
F01	06 Mar 2019	Water Color	Bluish-Green
F01	06 Mar 2019	Wave Ht Low (ft)	3
F01	06 Mar 2019	Wave Period (sec)	11
F01	06 Mar 2019	Sea State	Confused swell
F01	06 Mar 2019	High Tide (ft)	5.25
F01	06 Mar 2019	High Tide Time	838
F01	06 Mar 2019	Low Tide (ft)	-0.39
F01	06 Mar 2019	Low Tide Time	1518
F01	06 Mar 2019	Comments	none
F02	06 Mar 2019	Depth (m)	22
F02	06 Mar 2019	Arrive Time	816
F02	06 Mar 2019	Depart Time	819
F02	06 Mar 2019	Air Temp (C)	16
F02	06 Mar 2019	Weather	Partly Cloudy
F02	06 Mar 2019	Visibility (mi)	5
F02	06 Mar 2019	Wind Speed (kts)	7
F02	06 Mar 2019	Wind Dir	NE
F02	06 Mar 2019	Water Color	Brownish-Green
F02	06 Mar 2019	Wave Ht Low (ft)	3
F02	06 Mar 2019	Wave Period (sec)	9
F02	06 Mar 2019	Sea State	Calm
F02	06 Mar 2019	High Tide (ft)	5.25
F02	06 Mar 2019	High Tide Time	838
F02	06 Mar 2019	Low Tide (ft)	-0.39
F02	06 Mar 2019	Low Tide Time	1518
F02	06 Mar 2019	Comments	Lobster floats
F03	06 Mar 2019	Depth (m)	21
F03	06 Mar 2019	Arrive Time	828
F03	06 Mar 2019	Depart Time	833
F03	06 Mar 2019	Air Temp (C)	16
F03	06 Mar 2019	Weather	Partly Cloudy
F03	06 Mar 2019	Visibility (mi)	9
F03	06 Mar 2019	Wind Speed (kts)	11
F03	06 Mar 2019	Wind Dir	SE
F03	06 Mar 2019	Water Color	Blue
F03	06 Mar 2019	Wave Ht Low (ft)	3
F03	06 Mar 2019	Wave Period (sec)	9
F03	06 Mar 2019	Sea State	Light chop
F03	06 Mar 2019	High Tide (ft)	5.25
F03	06 Mar 2019	High Tide Time	838
F03	06 Mar 2019	Low Tide (ft)	-0.39

Station	Date	Parameter	Value
F03	06 Mar 2019	Low Tide Time	1518
F03	06 Mar 2019	Comments	none
F04	06 Mar 2019	Depth (m)	63
F04	06 Mar 2019	Arrive Time	1118
F04	06 Mar 2019	Depart Time	1126
F04	06 Mar 2019	Air Temp (C)	16
F04	06 Mar 2019	Weather	Partly Cloudy
F04	06 Mar 2019	Visibility (mi)	9
F04	06 Mar 2019	Wind Speed (kts)	10
F04	06 Mar 2019	Wind Dir	S
F04	06 Mar 2019	Water Color	Bluish-Green
F04	06 Mar 2019	Wave Ht Low (ft)	3
F04	06 Mar 2019	Wave Period (sec)	11
F04	06 Mar 2019	Sea State	Confused swell
F04	06 Mar 2019	High Tide (ft)	5.25
F04	06 Mar 2019	High Tide Time	838
F04	06 Mar 2019	Low Tide (ft)	-0.39
F04	06 Mar 2019	Low Tide Time	1518
F04	06 Mar 2019	Comments	none
F05	06 Mar 2019	Depth (m)	63
F05	06 Mar 2019	Arrive Time	1104
F05	06 Mar 2019	Depart Time	1109
F05	06 Mar 2019	Air Temp (C)	16
F05	06 Mar 2019	Weather	Partly Cloudy
F05	06 Mar 2019	Visibility (mi)	9
F05	06 Mar 2019	Wind Speed (kts)	10
F05	06 Mar 2019	Wind Dir	SE
F05	06 Mar 2019	Water Color	Bluish-Green
F05	06 Mar 2019	Wave Ht Low (ft)	3
F05	06 Mar 2019	Wave Period (sec)	11
F05	06 Mar 2019	Sea State	Confused swell
F05	06 Mar 2019	High Tide (ft)	5.25
F05	06 Mar 2019	High Tide Time	838
F05	06 Mar 2019	Low Tide (ft)	-0.39
F05	06 Mar 2019	Low Tide Time	1518
F05	06 Mar 2019	Comments	none
F06	06 Mar 2019	Depth (m)	63
F06	06 Mar 2019	Arrive Time	1050
F06	06 Mar 2019	Depart Time	1054
F06	06 Mar 2019	Air Temp (C)	16
F06	06 Mar 2019	Weather	Partly Cloudy
F06	06 Mar 2019	Visibility (mi)	9
F06	06 Mar 2019	Wind Speed (kts)	7
F06	06 Mar 2019	Wind Dir	S
F06	06 Mar 2019	Water Color	Bluish-Green
F06	06 Mar 2019	Wave Ht Low (ft)	3
F06	06 Mar 2019	Wave Period (sec)	11
F06	06 Mar 2019	Sea State	Confused swell
F06	06 Mar 2019	High Tide (ft)	5.25
F06	06 Mar 2019	High Tide Time	838
F06	06 Mar 2019	Low Tide (ft)	-0.39
F06	06 Mar 2019	Low Tide Time	1518

Station	Date	Parameter	Value
F06	06 Mar 2019	Comments	none
F07	06 Mar 2019	Depth (m)	66
F07	06 Mar 2019	Arrive Time	1033
F07	06 Mar 2019	Depart Time	1039
F07	06 Mar 2019	Air Temp (C)	16
F07	06 Mar 2019	Weather	Partly Cloudy
F07	06 Mar 2019	Visibility (mi)	9
F07	06 Mar 2019	Wind Speed (kts)	12
F07	06 Mar 2019	Wind Dir	SE
F07	06 Mar 2019	Water Color	Bluish-Green
F07	06 Mar 2019	Wave Ht Low (ft)	3
F07	06 Mar 2019	Wave Period (sec)	11
F07	06 Mar 2019	Sea State	Confused swell
F07	06 Mar 2019	High Tide (ft)	5.25
F07	06 Mar 2019	High Tide Time	838
F07	06 Mar 2019	Low Tide (ft)	-0.39
F07	06 Mar 2019	Low Tide Time	1518
F07	06 Mar 2019	Comments	none
F08	06 Mar 2019	Depth (m)	62
F08	06 Mar 2019	Arrive Time	1018
F08	06 Mar 2019	Depart Time	1025
F08	06 Mar 2019	Air Temp (C)	16
F08	06 Mar 2019	Weather	Partly Cloudy
F08	06 Mar 2019	Visibility (mi)	9
F08	06 Mar 2019	Wind Speed (kts)	10
F08	06 Mar 2019	Wind Dir	S
F08	06 Mar 2019	Water Color	Bluish-Green
F08	06 Mar 2019	Wave Ht Low (ft)	3
F08	06 Mar 2019	Wave Period (sec)	11
F08	06 Mar 2019	Sea State	Confused swell
F08	06 Mar 2019	High Tide (ft)	5.25
F08	06 Mar 2019	High Tide Time	838
F08	06 Mar 2019	Low Tide (ft)	-0.39
F08	06 Mar 2019	Low Tide Time	1518
F08	06 Mar 2019	Comments	Lobster floats
F09	06 Mar 2019	Depth (m)	63
F09	06 Mar 2019	Arrive Time	1007
F09	06 Mar 2019	Depart Time	1012
F09	06 Mar 2019	Air Temp (C)	16
F09	06 Mar 2019	Weather	Partly Cloudy
F09	06 Mar 2019	Visibility (mi)	9
F09	06 Mar 2019	Wind Speed (kts)	6
F09	06 Mar 2019	Wind Dir	SE
F09	06 Mar 2019	Water Color	Bluish-Green
F09	06 Mar 2019	Wave Ht Low (ft)	3
F09	06 Mar 2019	Wave Period (sec)	11
F09	06 Mar 2019	Sea State	Confused swell
F09	06 Mar 2019	High Tide (ft)	5.25
F09	06 Mar 2019	High Tide Time	838
F09	06 Mar 2019	Low Tide (ft)	-0.39
F09	06 Mar 2019	Low Tide Time	1518
F09	06 Mar 2019	Comments	none

Station	Date	Parameter	Value
F10	06 Mar 2019	Depth (m)	63
F10	06 Mar 2019	Arrive Time	950
F10	06 Mar 2019	Depart Time	956
F10	06 Mar 2019	Air Temp (C)	16
F10	06 Mar 2019	Weather	Partly Cloudy
F10	06 Mar 2019	Visibility (mi)	9
F10	06 Mar 2019	Wind Speed (kts)	8
F10	06 Mar 2019	Wind Dir	SE
F10	06 Mar 2019	Water Color	Bluish-Green
F10	06 Mar 2019	Wave Ht Low (ft)	3
F10	06 Mar 2019	Wave Period (sec)	11
F10	06 Mar 2019	Sea State	Confused swell
F10	06 Mar 2019	High Tide (ft)	5.25
F10	06 Mar 2019	High Tide Time	838
F10	06 Mar 2019	Low Tide (ft)	-0.39
F10	06 Mar 2019	Low Tide Time	1518
F10	06 Mar 2019	Comments	none
F11	06 Mar 2019	Depth (m)	62
F11	06 Mar 2019	Arrive Time	931
F11	06 Mar 2019	Depart Time	938
F11	06 Mar 2019	Air Temp (C)	16
F11	06 Mar 2019	Weather	Partly Cloudy
F11	06 Mar 2019	Visibility (mi)	9
F11	06 Mar 2019	Wind Speed (kts)	9
F11	06 Mar 2019	Wind Dir	SE
F11	06 Mar 2019	Water Color	Bluish-Green
F11	06 Mar 2019	Wave Ht Low (ft)	3
F11	06 Mar 2019	Wave Period (sec)	11
F11	06 Mar 2019	Sea State	Confused swell
F11	06 Mar 2019	High Tide (ft)	5.25
F11	06 Mar 2019	High Tide Time	838
F11	06 Mar 2019	Low Tide (ft)	-0.39
F11	06 Mar 2019	Low Tide Time	1518
F11	06 Mar 2019	Comments	none
F12	06 Mar 2019	Depth (m)	63
F12	06 Mar 2019	Arrive Time	914
F12	06 Mar 2019	Depart Time	920
F12	06 Mar 2019	Air Temp (C)	16
F12	06 Mar 2019	Weather	Partly Cloudy
F12	06 Mar 2019	Visibility (mi)	9
F12	06 Mar 2019	Wind Speed (kts)	17
F12	06 Mar 2019	Wind Dir	S
F12	06 Mar 2019	Water Color	Bluish-Green
F12	06 Mar 2019	Wave Ht Low (ft)	3
F12	06 Mar 2019	Wave Period (sec)	9
F12	06 Mar 2019	Sea State	Confused swell
F12	06 Mar 2019	High Tide (ft)	5.25
F12	06 Mar 2019	High Tide Time	838
F12	06 Mar 2019	Low Tide (ft)	-0.39
F12	06 Mar 2019	Low Tide Time	1518
F12	06 Mar 2019	Comments	none

Station	Date	Parameter	Value
F13	06 Mar 2019	Depth (m)	63
F13	06 Mar 2019	Arrive Time	858
F13	06 Mar 2019	Depart Time	905
F13	06 Mar 2019	Air Temp (C)	16
F13	06 Mar 2019	Weather	Partly Cloudy
F13	06 Mar 2019	Visibility (mi)	9
F13	06 Mar 2019	Wind Speed (kts)	14
F13	06 Mar 2019	Wind Dir	SE
F13	06 Mar 2019	Water Color	Bluish-Green
F13	06 Mar 2019	Wave Ht Low (ft)	3
F13	06 Mar 2019	Wave Period (sec)	9
F13	06 Mar 2019	Sea State	Light chop
F13	06 Mar 2019	High Tide (ft)	5.25
F13	06 Mar 2019	High Tide Time	838
F13	06 Mar 2019	Low Tide (ft)	-0.39
F13	06 Mar 2019	Low Tide Time	1518
F13	06 Mar 2019	Comments	none
F14	06 Mar 2019	Depth (m)	61
F14	06 Mar 2019	Arrive Time	844
F14	06 Mar 2019	Depart Time	851
F14	06 Mar 2019	Air Temp (C)	16
F14	06 Mar 2019	Weather	Partly Cloudy
F14	06 Mar 2019	Visibility (mi)	9
F14	06 Mar 2019	Wind Speed (kts)	11
F14	06 Mar 2019	Wind Dir	SE
F14	06 Mar 2019	Water Color	Bluish-Green
F14	06 Mar 2019	Wave Ht Low (ft)	3
F14	06 Mar 2019	Wave Period (sec)	9
F14	06 Mar 2019	Sea State	Light chop
F14	06 Mar 2019	High Tide (ft)	5.25
F14	06 Mar 2019	High Tide Time	838
F14	06 Mar 2019	Low Tide (ft)	-0.39
F14	06 Mar 2019	Low Tide Time	1518
F14	06 Mar 2019	Comments	none
F15	07 Mar 2019	Depth (m)	82
F15	07 Mar 2019	Arrive Time	1140
F15	07 Mar 2019	Depart Time	1145
F15	07 Mar 2019	Air Temp (C)	15
F15	07 Mar 2019	Weather	Partly Cloudy
F15	07 Mar 2019	Visibility (mi)	10
F15	07 Mar 2019	Wind Speed (kts)	5
F15	07 Mar 2019	Wind Dir	N
F15	07 Mar 2019	Water Color	Bluish-Green
F15	07 Mar 2019	Wave Ht Low (ft)	3
F15	07 Mar 2019	Wave Period (sec)	13
F15	07 Mar 2019	Sea State	Confused swell
F15	07 Mar 2019	High Tide (ft)	5.07
F15	07 Mar 2019	High Tide Time	908
F15	07 Mar 2019	Low Tide (ft)	-0.18
F15	07 Mar 2019	Low Tide Time	1542
F15	07 Mar 2019	Comments	none
F16	07 Mar 2019	Depth (m)	83

Station	Date	Parameter	Value
F16	07 Mar 2019	Arrive Time	1125
F16	07 Mar 2019	Depart Time	1129
F16	07 Mar 2019	Air Temp (C)	15
F16	07 Mar 2019	Weather	Partly Cloudy
F16	07 Mar 2019	Visibility (mi)	10
F16	07 Mar 2019	Wind Speed (kts)	7
F16	07 Mar 2019	Wind Dir	N
F16	07 Mar 2019	Water Color	Bluish-Green
F16	07 Mar 2019	Wave Ht Low (ft)	3
F16	07 Mar 2019	Wave Period (sec)	13
F16	07 Mar 2019	Sea State	Confused swell
F16	07 Mar 2019	High Tide (ft)	5.07
F16	07 Mar 2019	High Tide Time	908
F16	07 Mar 2019	Low Tide (ft)	-0.18
F16	07 Mar 2019	Low Tide Time	1542
F16	07 Mar 2019	Comments	none
F17	07 Mar 2019	Depth (m)	83
F17	07 Mar 2019	Arrive Time	1110
F17	07 Mar 2019	Depart Time	1113
F17	07 Mar 2019	Air Temp (C)	14
F17	07 Mar 2019	Weather	Partly Cloudy
F17	07 Mar 2019	Visibility (mi)	7
F17	07 Mar 2019	Wind Speed (kts)	6
F17	07 Mar 2019	Wind Dir	NW
F17	07 Mar 2019	Water Color	Bluish-Green
F17	07 Mar 2019	Wave Ht Low (ft)	3
F17	07 Mar 2019	Wave Period (sec)	13
F17	07 Mar 2019	Sea State	Confused swell
F17	07 Mar 2019	High Tide (ft)	5.07
F17	07 Mar 2019	High Tide Time	908
F17	07 Mar 2019	Low Tide (ft)	-0.18
F17	07 Mar 2019	Low Tide Time	1542
F17	07 Mar 2019	Comments	none
F18	07 Mar 2019	Depth (m)	84
F18	07 Mar 2019	Arrive Time	1054
F18	07 Mar 2019	Depart Time	1058
F18	07 Mar 2019	Air Temp (C)	14
F18	07 Mar 2019	Weather	Partly Cloudy
F18	07 Mar 2019	Visibility (mi)	7
F18	07 Mar 2019	Wind Speed (kts)	8
F18	07 Mar 2019	Wind Dir	NW
F18	07 Mar 2019	Water Color	Bluish-Green
F18	07 Mar 2019	Wave Ht Low (ft)	3
F18	07 Mar 2019	Wave Period (sec)	13
F18	07 Mar 2019	Sea State	Confused swell
F18	07 Mar 2019	High Tide (ft)	5.07
F18	07 Mar 2019	High Tide Time	908
F18	07 Mar 2019	Low Tide (ft)	-0.18
F18	07 Mar 2019	Low Tide Time	1542
F18	07 Mar 2019	Comments	none
F19	07 Mar 2019	Depth (m)	85
F19	07 Mar 2019	Arrive Time	1030

Station	Date	Parameter	Value
F19	07 Mar 2019	Depart Time	1036
F19	07 Mar 2019	Air Temp (C)	15
F19	07 Mar 2019	Weather	Partly Cloudy
F19	07 Mar 2019	Visibility (mi)	9
F19	07 Mar 2019	Wind Speed (kts)	8
F19	07 Mar 2019	Wind Dir	NW
F19	07 Mar 2019	Water Color	Bluish-Green
F19	07 Mar 2019	Wave Ht Low (ft)	3
F19	07 Mar 2019	Wave Period (sec)	13
F19	07 Mar 2019	Sea State	Confused swell
F19	07 Mar 2019	High Tide (ft)	5.07
F19	07 Mar 2019	High Tide Time	908
F19	07 Mar 2019	Low Tide (ft)	-0.18
F19	07 Mar 2019	Low Tide Time	1542
F19	07 Mar 2019	Comments	none
F20	07 Mar 2019	Depth (m)	84
F20	07 Mar 2019	Arrive Time	1014
F20	07 Mar 2019	Depart Time	1020
F20	07 Mar 2019	Air Temp (C)	14
F20	07 Mar 2019	Weather	Partly Cloudy
F20	07 Mar 2019	Visibility (mi)	9
F20	07 Mar 2019	Wind Speed (kts)	6
F20	07 Mar 2019	Wind Dir	NW
F20	07 Mar 2019	Water Color	Bluish-Green
F20	07 Mar 2019	Wave Ht Low (ft)	3
F20	07 Mar 2019	Wave Period (sec)	13
F20	07 Mar 2019	Sea State	Confused swell
F20	07 Mar 2019	High Tide (ft)	5.07
F20	07 Mar 2019	High Tide Time	908
F20	07 Mar 2019	Low Tide (ft)	-0.18
F20	07 Mar 2019	Low Tide Time	1542
F20	07 Mar 2019	Comments	none
F21	07 Mar 2019	Depth (m)	85
F21	07 Mar 2019	Arrive Time	959
F21	07 Mar 2019	Depart Time	1004
F21	07 Mar 2019	Air Temp (C)	15
F21	07 Mar 2019	Weather	Partly Cloudy
F21	07 Mar 2019	Visibility (mi)	7
F21	07 Mar 2019	Wind Speed (kts)	8
F21	07 Mar 2019	Wind Dir	NW
F21	07 Mar 2019	Water Color	Bluish-Green
F21	07 Mar 2019	Wave Ht Low (ft)	3
F21	07 Mar 2019	Wave Period (sec)	13
F21	07 Mar 2019	Sea State	Confused swell
F21	07 Mar 2019	High Tide (ft)	5.07
F21	07 Mar 2019	High Tide Time	908
F21	07 Mar 2019	Low Tide (ft)	-0.18
F21	07 Mar 2019	Low Tide Time	1542
F21	07 Mar 2019	Comments	none
F22	07 Mar 2019	Depth (m)	83
F22	07 Mar 2019	Arrive Time	944
F22	07 Mar 2019	Depart Time	947

Station	Date	Parameter	Value
F22	07 Mar 2019	Air Temp (C)	14
F22	07 Mar 2019	Weather	Partly Cloudy
F22	07 Mar 2019	Visibility (mi)	7
F22	07 Mar 2019	Wind Speed (kts)	6
F22	07 Mar 2019	Wind Dir	NW
F22	07 Mar 2019	Water Color	Bluish-Green
F22	07 Mar 2019	Wave Ht Low (ft)	3
F22	07 Mar 2019	Wave Period (sec)	13
F22	07 Mar 2019	Sea State	Confused swell
F22	07 Mar 2019	High Tide (ft)	5.07
F22	07 Mar 2019	High Tide Time	908
F22	07 Mar 2019	Low Tide (ft)	-0.18
F22	07 Mar 2019	Low Tide Time	1542
F22	07 Mar 2019	Comments	none
F24	07 Mar 2019	Depth (m)	82
F24	07 Mar 2019	Arrive Time	910
F24	07 Mar 2019	Depart Time	916
F24	07 Mar 2019	Air Temp (C)	15
F24	07 Mar 2019	Weather	Partly Cloudy
F24	07 Mar 2019	Visibility (mi)	7
F24	07 Mar 2019	Wind Speed (kts)	5
F24	07 Mar 2019	Wind Dir	NW
F24	07 Mar 2019	Water Color	Bluish-Green
F24	07 Mar 2019	Wave Ht Low (ft)	3
F24	07 Mar 2019	Wave Period (sec)	13
F24	07 Mar 2019	Sea State	Confused swell
F24	07 Mar 2019	High Tide (ft)	5.07
F24	07 Mar 2019	High Tide Time	908
F24	07 Mar 2019	Low Tide (ft)	-0.18
F24	07 Mar 2019	Low Tide Time	1542
F24	07 Mar 2019	Comments	none
F25	07 Mar 2019	Depth (m)	82
F25	07 Mar 2019	Arrive Time	851
F25	07 Mar 2019	Depart Time	902
F25	07 Mar 2019	Air Temp (C)	14
F25	07 Mar 2019	Weather	Partly Cloudy
F25	07 Mar 2019	Visibility (mi)	7
F25	07 Mar 2019	Wind Speed (kts)	5
F25	07 Mar 2019	Wind Dir	NW
F25	07 Mar 2019	Water Color	Bluish-Green
F25	07 Mar 2019	Wave Ht Low (ft)	3
F25	07 Mar 2019	Wave Period (sec)	13
F25	07 Mar 2019	Sea State	Confused swell
F25	07 Mar 2019	High Tide (ft)	5.07
F25	07 Mar 2019	High Tide Time	908
F25	07 Mar 2019	Low Tide (ft)	-0.18
F25	07 Mar 2019	Low Tide Time	1542
F25	07 Mar 2019	Comments	none
F26	05 Mar 2019	Depth (m)	100
F26	05 Mar 2019	Arrive Time	1212
F26	05 Mar 2019	Depart Time	1224
F26	05 Mar 2019	Air Temp (C)	14

Station	Date	Parameter	Value
F26	05 Mar 2019	Weather	Clear
F26	05 Mar 2019	Visibility (mi)	12
F26	05 Mar 2019	Wind Speed (kts)	4
F26	05 Mar 2019	Wind Dir	W
F26	05 Mar 2019	Water Color	Blue
F26	05 Mar 2019	Wave Ht Low (ft)	3
F26	05 Mar 2019	Wave Period (sec)	11
F26	05 Mar 2019	Sea State	Light chop
F26	05 Mar 2019	High Tide (ft)	5.32
F26	05 Mar 2019	High Tide Time	808
F26	05 Mar 2019	Low Tide (ft)	-0.5
F26	05 Mar 2019	Low Tide Time	1454
F26	05 Mar 2019	Comments	none
F27	05 Mar 2019	Depth (m)	101
F27	05 Mar 2019	Arrive Time	1157
F27	05 Mar 2019	Depart Time	1205
F27	05 Mar 2019	Air Temp (C)	14
F27	05 Mar 2019	Weather	Clear
F27	05 Mar 2019	Visibility (mi)	12
F27	05 Mar 2019	Wind Speed (kts)	7
F27	05 Mar 2019	Wind Dir	NW
F27	05 Mar 2019	Water Color	Blue
F27	05 Mar 2019	Wave Ht Low (ft)	3
F27	05 Mar 2019	Wave Period (sec)	11
F27	05 Mar 2019	Sea State	Light chop
F27	05 Mar 2019	High Tide (ft)	5.32
F27	05 Mar 2019	High Tide Time	808
F27	05 Mar 2019	Low Tide (ft)	-0.5
F27	05 Mar 2019	Low Tide Time	1454
F27	05 Mar 2019	Comments	none
F28	05 Mar 2019	Depth (m)	102
F28	05 Mar 2019	Arrive Time	1141
F28	05 Mar 2019	Depart Time	1148
F28	05 Mar 2019	Air Temp (C)	14
F28	05 Mar 2019	Weather	Clear
F28	05 Mar 2019	Visibility (mi)	12
F28	05 Mar 2019	Wind Speed (kts)	6
F28	05 Mar 2019	Wind Dir	W
F28	05 Mar 2019	Water Color	Blue
F28	05 Mar 2019	Wave Ht Low (ft)	3
F28	05 Mar 2019	Wave Period (sec)	11
F28	05 Mar 2019	Sea State	Wind ripples
F28	05 Mar 2019	High Tide (ft)	5.32
F28	05 Mar 2019	High Tide Time	808
F28	05 Mar 2019	Low Tide (ft)	-0.5
F28	05 Mar 2019	Low Tide Time	1454
F28	05 Mar 2019	Comments	none
F29	05 Mar 2019	Depth (m)	100
F29	05 Mar 2019	Arrive Time	1126
F29	05 Mar 2019	Depart Time	1136
F29	05 Mar 2019	Air Temp (C)	14
F29	05 Mar 2019	Weather	Clear

Station	Date	Parameter	Value
F29	05 Mar 2019	Visibility (mi)	12
F29	05 Mar 2019	Wind Speed (kts)	6
F29	05 Mar 2019	Wind Dir	W
F29	05 Mar 2019	Water Color	Blue
F29	05 Mar 2019	Wave Ht Low (ft)	3
F29	05 Mar 2019	Wave Period (sec)	11
F29	05 Mar 2019	Sea State	Wind ripples
F29	05 Mar 2019	High Tide (ft)	5.32
F29	05 Mar 2019	High Tide Time	808
F29	05 Mar 2019	Low Tide (ft)	-0.5
F29	05 Mar 2019	Low Tide Time	1454
F29	05 Mar 2019	Comments	none
F30	05 Mar 2019	Depth (m)	99
F30	05 Mar 2019	Arrive Time	1111
F30	05 Mar 2019	Depart Time	1120
F30	05 Mar 2019	Air Temp (C)	14
F30	05 Mar 2019	Weather	Clear
F30	05 Mar 2019	Visibility (mi)	12
F30	05 Mar 2019	Wind Speed (kts)	8
F30	05 Mar 2019	Wind Dir	W
F30	05 Mar 2019	Water Color	Blue
F30	05 Mar 2019	Wave Ht Low (ft)	3
F30	05 Mar 2019	Wave Period (sec)	11
F30	05 Mar 2019	Sea State	Wind ripples
F30	05 Mar 2019	High Tide (ft)	5.32
F30	05 Mar 2019	High Tide Time	808
F30	05 Mar 2019	Low Tide (ft)	-0.5
F30	05 Mar 2019	Low Tide Time	1454
F30	05 Mar 2019	Comments	none
F31	05 Mar 2019	Depth (m)	100
F31	05 Mar 2019	Arrive Time	1054
F31	05 Mar 2019	Depart Time	1103
F31	05 Mar 2019	Air Temp (C)	13
F31	05 Mar 2019	Weather	Clear
F31	05 Mar 2019	Visibility (mi)	12
F31	05 Mar 2019	Wind Speed (kts)	6
F31	05 Mar 2019	Wind Dir	W
F31	05 Mar 2019	Water Color	Blue
F31	05 Mar 2019	Wave Ht Low (ft)	3
F31	05 Mar 2019	Wave Period (sec)	11
F31	05 Mar 2019	Sea State	Wind ripples
F31	05 Mar 2019	High Tide (ft)	5.32
F31	05 Mar 2019	High Tide Time	808
F31	05 Mar 2019	Low Tide (ft)	-0.5
F31	05 Mar 2019	Low Tide Time	1454
F31	05 Mar 2019	Comments	none
F32	05 Mar 2019	Depth (m)	102
F32	05 Mar 2019	Arrive Time	1038
F32	05 Mar 2019	Depart Time	1048
F32	05 Mar 2019	Air Temp (C)	14
F32	05 Mar 2019	Weather	Clear
F32	05 Mar 2019	Visibility (mi)	12

Station	Date	Parameter	Value
F32	05 Mar 2019	Wind Speed (kts)	2
F32	05 Mar 2019	Wind Dir	NW
F32	05 Mar 2019	Water Color	Blue
F32	05 Mar 2019	Wave Ht Low (ft)	3
F32	05 Mar 2019	Wave Period (sec)	11
F32	05 Mar 2019	Sea State	Wind ripples
F32	05 Mar 2019	High Tide (ft)	5.32
F32	05 Mar 2019	High Tide Time	808
F32	05 Mar 2019	Low Tide (ft)	-0.5
F32	05 Mar 2019	Low Tide Time	1454
F32	05 Mar 2019	Comments	none
F33	05 Mar 2019	Depth (m)	103
F33	05 Mar 2019	Arrive Time	1021
F33	05 Mar 2019	Depart Time	1030
F33	05 Mar 2019	Air Temp (C)	13
F33	05 Mar 2019	Weather	Clear
F33	05 Mar 2019	Visibility (mi)	12
F33	05 Mar 2019	Wind Speed (kts)	3
F33	05 Mar 2019	Wind Dir	W
F33	05 Mar 2019	Water Color	Blue
F33	05 Mar 2019	Wave Ht Low (ft)	3
F33	05 Mar 2019	Wave Period (sec)	11
F33	05 Mar 2019	Sea State	Wind ripples
F33	05 Mar 2019	High Tide (ft)	5.32
F33	05 Mar 2019	High Tide Time	808
F33	05 Mar 2019	Low Tide (ft)	-0.5
F33	05 Mar 2019	Low Tide Time	1454
F33	05 Mar 2019	Comments	none
F34	05 Mar 2019	Depth (m)	102
F34	05 Mar 2019	Arrive Time	1005
F34	05 Mar 2019	Depart Time	1013
F34	05 Mar 2019	Air Temp (C)	13
F34	05 Mar 2019	Weather	Clear
F34	05 Mar 2019	Visibility (mi)	12
F34	05 Mar 2019	Wind Speed (kts)	4
F34	05 Mar 2019	Wind Dir	NW
F34	05 Mar 2019	Water Color	Blue
F34	05 Mar 2019	Wave Ht Low (ft)	3
F34	05 Mar 2019	Wave Period (sec)	13
F34	05 Mar 2019	Sea State	Wind ripples
F34	05 Mar 2019	High Tide (ft)	5.32
F34	05 Mar 2019	High Tide Time	808
F34	05 Mar 2019	Low Tide (ft)	-0.5
F34	05 Mar 2019	Low Tide Time	1454
F34	05 Mar 2019	Comments	none
F35	05 Mar 2019	Depth (m)	101
F35	05 Mar 2019	Arrive Time	947
F35	05 Mar 2019	Depart Time	958
F35	05 Mar 2019	Air Temp (C)	14
F35	05 Mar 2019	Weather	Clear
F35	05 Mar 2019	Visibility (mi)	12
F35	05 Mar 2019	Wind Speed (kts)	0

Station	Date	Parameter	Value
F35	05 Mar 2019	Wind Dir	
F35	05 Mar 2019	Water Color	Blue
F35	05 Mar 2019	Wave Ht Low (ft)	3
F35	05 Mar 2019	Wave Period (sec)	13
F35	05 Mar 2019	Sea State	Wind ripples
F35	05 Mar 2019	High Tide (ft)	5.32
F35	05 Mar 2019	High Tide Time	808
F35	05 Mar 2019	Low Tide (ft)	-0.5
F35	05 Mar 2019	Low Tide Time	1454
F35	05 Mar 2019	Comments	none
F36	05 Mar 2019	Depth (m)	101
F36	05 Mar 2019	Arrive Time	918
F36	05 Mar 2019	Depart Time	938
F36	05 Mar 2019	Air Temp (C)	13
F36	05 Mar 2019	Weather	Clear
F36	05 Mar 2019	Visibility (mi)	12
F36	05 Mar 2019	Wind Speed (kts)	4
F36	05 Mar 2019	Wind Dir	NE
F36	05 Mar 2019	Water Color	Blue
F36	05 Mar 2019	Wave Ht Low (ft)	3
F36	05 Mar 2019	Wave Period (sec)	9
F36	05 Mar 2019	Sea State	Calm
F36	05 Mar 2019	High Tide (ft)	5.32
F36	05 Mar 2019	High Tide Time	808
F36	05 Mar 2019	Low Tide (ft)	-0.5
F36	05 Mar 2019	Low Tide Time	1454
F36	05 Mar 2019	Comments	none

**Table 4.4**

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma\text{-t}$ )	Chlor ( $\mu\text{g/L}$ )
F01	06 Mar 2019	1	13.97	81.02	7.9	33.50	8.2	25.0	1.12
F01	06 Mar 2019	2	13.96	76.17	7.9	33.50	8.2	25.0	1.29
F01	06 Mar 2019	3	13.93	80.35	7.8	33.51	8.2	25.0	1.21
F01	06 Mar 2019	4	13.86	81.18	7.9	33.51	8.2	25.1	1.21
F01	06 Mar 2019	5	13.82	81.73	7.8	33.52	8.2	25.1	1.32
F01	06 Mar 2019	6	13.77	82.16	7.8	33.52	8.2	25.1	1.50
F01	06 Mar 2019	7	13.74	82.30	7.8	33.53	8.2	25.1	1.56
F01	06 Mar 2019	8	13.70	82.67	7.7	33.53	8.1	25.1	1.66
F01	06 Mar 2019	9	13.58	82.47	7.6	33.55	8.1	25.2	1.64
F01	06 Mar 2019	10	13.48	83.40	7.4	33.55	8.1	25.2	1.71
F01	06 Mar 2019	11	13.18	84.11	7.0	33.60	8.1	25.3	1.57
F01	06 Mar 2019	12	12.75	83.77	6.5	33.63	8.1	25.4	1.17
F01	06 Mar 2019	13	12.62	85.27	6.3	33.62	8.0	25.4	1.12
F01	06 Mar 2019	14	12.57	85.35	6.2	33.62	8.0	25.4	0.96
F01	06 Mar 2019	15	12.24	86.17	5.9	33.66	8.0	25.5	0.86
F01	06 Mar 2019	16	11.99	86.50	5.6	33.65	8.0	25.5	0.64
F01	06 Mar 2019	17	11.85	86.43	5.5	33.66	8.0	25.6	0.55
F01	06 Mar 2019	18	11.81	86.49	5.4	33.65	8.0	25.6	0.51
F01	06 Mar 2019	19	11.76	86.42	5.3	33.66	8.0	25.6	0.46
F01	06 Mar 2019	20	11.64	86.24	5.3	33.67	7.9	25.6	0.49
F02	06 Mar 2019	1	14.28	84.49	8.6	33.54	8.2	25.0	0.94
F02	06 Mar 2019	2	14.27	84.08	8.6	33.54	8.2	25.0	1.07
F02	06 Mar 2019	3	14.27	84.19	8.5	33.54	8.2	25.0	1.16
F02	06 Mar 2019	4	14.20	83.96	8.5	33.54	8.2	25.0	1.37
F02	06 Mar 2019	5	14.17	83.88	8.4	33.53	8.2	25.0	1.34
F02	06 Mar 2019	6	14.09	83.74	8.2	33.54	8.2	25.0	1.46
F02	06 Mar 2019	7	14.05	83.74	8.2	33.54	8.2	25.0	1.43
F02	06 Mar 2019	8	14.06	83.58	8.2	33.54	8.2	25.0	1.51
F02	06 Mar 2019	9	14.01	83.56	8.1	33.54	8.2	25.1	1.31
F02	06 Mar 2019	10	13.98	83.46	8.1	33.54	8.2	25.1	1.40
F02	06 Mar 2019	11	13.97	83.59	8.1	33.54	8.2	25.1	1.33
F02	06 Mar 2019	12	13.95	83.57	8.0	33.54	8.2	25.1	1.29
F02	06 Mar 2019	13	13.92	83.41	7.9	33.54	8.1	25.1	1.41
F02	06 Mar 2019	14	13.86	83.45	7.7	33.55	8.1	25.1	1.41
F02	06 Mar 2019	15	13.45	83.27	7.1	33.61	8.1	25.2	1.13
F02	06 Mar 2019	16	12.92	82.89	6.6	33.63	8.1	25.3	1.11
F02	06 Mar 2019	17	12.70	83.72	6.3	33.62	8.0	25.4	1.00
F02	06 Mar 2019	18	12.55	83.94	6.1	33.64	8.0	25.4	1.00
F02	06 Mar 2019	19	12.35	84.06	5.9	33.65	8.0	25.5	0.93
F02	06 Mar 2019	20	12.28	83.88	5.8	33.64	8.0	25.5	0.84
F02	06 Mar 2019	21	12.27	83.40	5.8	33.64	8.0	25.5	0.77
F03	06 Mar 2019	1	14.21	81.85	8.2	33.45	8.2	24.9	1.10
F03	06 Mar 2019	2	14.20	81.16	8.2	33.45	8.2	24.9	1.10
F03	06 Mar 2019	3	14.18	82.39	8.2	33.48	8.2	25.0	1.18
F03	06 Mar 2019	4	14.18	82.50	8.2	33.49	8.2	25.0	1.35
F03	06 Mar 2019	5	14.18	82.50	8.2	33.49	8.2	25.0	1.39
F03	06 Mar 2019	6	14.18	82.77	8.2	33.51	8.2	25.0	1.44
F03	06 Mar 2019	7	14.19	82.81	8.2	33.52	8.2	25.0	1.42
F03	06 Mar 2019	8	14.17	83.27	8.2	33.54	8.2	25.0	1.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	06 Mar 2019	9	14.14	83.30	8.2	33.55	8.2	25.0	1.53
F03	06 Mar 2019	10	14.14	83.10	8.1	33.56	8.2	25.0	1.60
F03	06 Mar 2019	11	14.12	82.89	8.1	33.56	8.2	25.0	1.45
F03	06 Mar 2019	12	14.12	82.67	8.0	33.56	8.2	25.0	1.55
F03	06 Mar 2019	13	14.10	82.33	7.9	33.56	8.2	25.1	1.52
F03	06 Mar 2019	14	14.09	82.03	8.0	33.56	8.2	25.1	1.53
F03	06 Mar 2019	15	14.07	82.05	8.0	33.56	8.2	25.1	1.45
F03	06 Mar 2019	16	14.06	81.87	8.0	33.56	8.2	25.1	1.54
F03	06 Mar 2019	17	14.06	81.78	7.9	33.56	8.2	25.1	1.61
F03	06 Mar 2019	18	14.02	81.47	7.5	33.58	8.2	25.1	1.63
F03	06 Mar 2019	19	13.17	80.29	6.9	33.66	8.1	25.3	1.53
F03	06 Mar 2019	20	12.92	78.87	6.6	33.62	8.0	25.3	1.64
F04	06 Mar 2019	1	14.66	86.42	8.9	33.57	8.2	24.9	0.40
F04	06 Mar 2019	2	14.65	86.16	8.9	33.57	8.2	24.9	0.38
F04	06 Mar 2019	3	14.61	86.10	8.9	33.57	8.2	25.0	0.40
F04	06 Mar 2019	4	14.59	86.00	8.9	33.57	8.2	25.0	0.50
F04	06 Mar 2019	5	14.58	85.99	8.9	33.57	8.2	25.0	0.49
F04	06 Mar 2019	6	14.58	85.99	8.8	33.57	8.2	25.0	0.50
F04	06 Mar 2019	7	14.58	86.09	8.9	33.57	8.2	25.0	0.48
F04	06 Mar 2019	8	14.55	86.09	8.9	33.58	8.2	25.0	0.49
F04	06 Mar 2019	9	14.50	85.88	8.8	33.57	8.2	25.0	0.59
F04	06 Mar 2019	10	14.46	85.97	8.8	33.57	8.2	25.0	0.65
F04	06 Mar 2019	11	14.44	85.43	8.8	33.56	8.2	25.0	0.80
F04	06 Mar 2019	12	14.38	85.27	8.8	33.56	8.2	25.0	0.86
F04	06 Mar 2019	13	14.32	85.10	8.7	33.56	8.2	25.0	0.94
F04	06 Mar 2019	14	14.26	84.73	8.7	33.56	8.2	25.0	1.22
F04	06 Mar 2019	15	14.17	83.94	8.5	33.56	8.2	25.0	1.49
F04	06 Mar 2019	16	13.84	83.79	8.1	33.57	8.2	25.1	1.98
F04	06 Mar 2019	17	13.39	83.50	7.6	33.58	8.2	25.2	2.05
F04	06 Mar 2019	18	13.24	84.05	7.2	33.58	8.1	25.2	1.75
F04	06 Mar 2019	19	12.91	84.96	6.8	33.60	8.1	25.3	1.29
F04	06 Mar 2019	20	12.79	85.32	6.6	33.59	8.1	25.3	0.87
F04	06 Mar 2019	21	12.74	85.78	6.5	33.59	8.1	25.4	0.67
F04	06 Mar 2019	22	12.71	85.97	6.4	33.59	8.1	25.4	0.54
F04	06 Mar 2019	23	12.67	85.97	6.4	33.60	8.0	25.4	0.57
F04	06 Mar 2019	24	12.63	86.10	6.3	33.60	8.0	25.4	0.58
F04	06 Mar 2019	25	12.62	85.82	6.3	33.60	8.0	25.4	0.71
F04	06 Mar 2019	26	12.59	86.18	6.2	33.60	8.0	25.4	0.66
F04	06 Mar 2019	27	12.51	86.06	6.2	33.61	8.0	25.4	0.64
F04	06 Mar 2019	28	12.44	86.00	6.0	33.61	8.0	25.4	0.63
F04	06 Mar 2019	29	12.39	86.25	6.0	33.61	8.0	25.4	0.46
F04	06 Mar 2019	30	12.25	86.36	5.8	33.63	8.0	25.5	0.45
F04	06 Mar 2019	31	12.02	86.76	5.6	33.65	8.0	25.5	0.39
F04	06 Mar 2019	32	11.76	87.52	5.5	33.65	8.0	25.6	0.38
F04	06 Mar 2019	33	11.73	87.78	5.4	33.64	8.0	25.6	0.36
F04	06 Mar 2019	34	11.71	87.61	5.4	33.64	8.0	25.6	0.37
F04	06 Mar 2019	35	11.71	87.75	5.4	33.64	8.0	25.6	0.36
F04	06 Mar 2019	36	11.70	87.82	5.4	33.64	8.0	25.6	0.37
F04	06 Mar 2019	37	11.69	87.67	5.4	33.64	8.0	25.6	0.38
F04	06 Mar 2019	38	11.66	87.81	5.3	33.65	8.0	25.6	0.39
F04	06 Mar 2019	39	11.59	87.81	5.4	33.66	8.0	25.6	0.39
F04	06 Mar 2019	40	11.56	87.90	5.3	33.65	7.9	25.6	0.40
F04	06 Mar 2019	41	11.54	87.86	5.3	33.66	7.9	25.6	0.47
F04	06 Mar 2019	42	11.50	87.95	5.3	33.66	7.9	25.6	0.44

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	06 Mar 2019	43	11.46	87.98	5.2	33.67	7.9	25.7	0.44
F04	06 Mar 2019	44	11.34	88.02	5.2	33.68	7.9	25.7	0.44
F04	06 Mar 2019	45	11.28	88.14	5.1	33.68	7.9	25.7	0.47
F04	06 Mar 2019	46	11.26	88.17	5.1	33.68	7.9	25.7	0.42
F04	06 Mar 2019	47	11.22	88.26	5.1	33.68	7.9	25.7	0.45
F04	06 Mar 2019	48	11.18	88.21	5.1	33.68	7.9	25.7	0.42
F04	06 Mar 2019	49	11.16	88.09	5.0	33.68	7.9	25.7	0.44
F04	06 Mar 2019	50	11.14	88.04	5.0	33.69	7.9	25.7	0.41
F04	06 Mar 2019	51	11.13	87.89	5.0	33.69	7.9	25.7	0.42
F04	06 Mar 2019	52	11.12	87.68	4.9	33.69	7.9	25.7	0.39
F04	06 Mar 2019	53	11.11	87.47	4.9	33.70	7.9	25.7	0.58
F04	06 Mar 2019	54	11.08	86.87	4.8	33.71	7.9	25.8	1.24
F04	06 Mar 2019	55	11.04	84.19	4.6	33.72	7.9	25.8	0.78
F04	06 Mar 2019	56	11.04	82.60	4.6	33.72	7.9	25.8	0.57
F04	06 Mar 2019	57	11.04	82.40	4.5	33.72	7.9	25.8	0.55
F04	06 Mar 2019	58	11.04	82.16	4.5	33.73	7.9	25.8	0.52
F04	06 Mar 2019	59	11.04	82.08	4.6	33.73	7.9	25.8	0.54
F04	06 Mar 2019	60	11.02	81.90	4.5	33.73	7.9	25.8	0.54
F04	06 Mar 2019	61	11.01	82.13	4.5	33.73	7.9	25.8	0.50
F04	06 Mar 2019	62	11.02	82.58	4.5	33.73	7.9	25.8	0.55
F05	06 Mar 2019	1	14.68	85.91	8.9	33.58	8.2	24.9	0.29
F05	06 Mar 2019	2	14.68	85.98	8.9	33.57	8.2	24.9	0.30
F05	06 Mar 2019	3	14.68	86.11	8.8	33.58	8.2	24.9	0.29
F05	06 Mar 2019	4	14.64	86.36	8.9	33.58	8.2	25.0	0.32
F05	06 Mar 2019	5	14.64	86.24	8.8	33.58	8.2	25.0	0.35
F05	06 Mar 2019	6	14.60	86.22	8.8	33.58	8.2	25.0	0.37
F05	06 Mar 2019	7	14.56	86.06	8.9	33.58	8.2	25.0	0.40
F05	06 Mar 2019	8	14.55	86.27	8.8	33.58	8.2	25.0	0.44
F05	06 Mar 2019	9	14.48	86.09	8.8	33.57	8.2	25.0	0.53
F05	06 Mar 2019	10	14.48	86.07	8.9	33.56	8.2	25.0	0.57
F05	06 Mar 2019	11	14.46	85.73	8.9	33.57	8.2	25.0	0.57
F05	06 Mar 2019	12	14.43	85.77	8.9	33.56	8.2	25.0	0.68
F05	06 Mar 2019	13	14.42	85.73	8.8	33.56	8.2	25.0	0.74
F05	06 Mar 2019	14	14.34	85.82	8.6	33.56	8.2	25.0	0.82
F05	06 Mar 2019	15	14.15	84.54	8.5	33.56	8.2	25.0	1.07
F05	06 Mar 2019	16	14.01	83.75	8.4	33.56	8.2	25.1	1.39
F05	06 Mar 2019	17	13.72	83.30	8.1	33.57	8.2	25.1	1.91
F05	06 Mar 2019	18	13.39	83.05	7.9	33.57	8.2	25.2	2.48
F05	06 Mar 2019	19	13.34	83.19	7.7	33.55	8.1	25.2	3.39
F05	06 Mar 2019	20	13.22	83.51	7.4	33.57	8.1	25.2	3.00
F05	06 Mar 2019	21	13.03	83.84	7.1	33.58	8.1	25.3	1.99
F05	06 Mar 2019	22	12.94	84.69	6.8	33.59	8.1	25.3	1.54
F05	06 Mar 2019	23	12.72	84.76	6.6	33.60	8.1	25.4	1.51
F05	06 Mar 2019	24	12.72	85.12	6.4	33.58	8.0	25.4	1.11
F05	06 Mar 2019	25	12.30	85.92	6.1	33.65	8.0	25.5	0.88
F05	06 Mar 2019	26	12.15	86.42	5.8	33.63	8.0	25.5	0.67
F05	06 Mar 2019	27	12.15	86.26	5.7	33.62	8.0	25.5	0.59
F05	06 Mar 2019	28	12.11	86.69	5.7	33.63	8.0	25.5	0.52
F05	06 Mar 2019	29	12.01	86.79	5.6	33.63	8.0	25.5	0.53
F05	06 Mar 2019	30	11.95	87.27	5.6	33.63	8.0	25.5	0.46
F05	06 Mar 2019	31	11.89	87.51	5.5	33.64	8.0	25.6	0.41
F05	06 Mar 2019	32	11.80	87.63	5.5	33.64	8.0	25.6	0.44
F05	06 Mar 2019	33	11.73	87.61	5.4	33.64	8.0	25.6	0.40
F05	06 Mar 2019	34	11.69	87.72	5.4	33.65	8.0	25.6	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F05	06 Mar 2019	35	11.66	87.71	5.4	33.65	8.0	25.6	0.42
F05	06 Mar 2019	36	11.64	87.71	5.3	33.65	8.0	25.6	0.41
F05	06 Mar 2019	37	11.64	87.71	5.3	33.65	8.0	25.6	0.38
F05	06 Mar 2019	38	11.63	87.67	5.3	33.65	8.0	25.6	0.43
F05	06 Mar 2019	39	11.62	87.69	5.3	33.65	8.0	25.6	0.47
F05	06 Mar 2019	40	11.59	87.47	5.3	33.65	7.9	25.6	0.40
F05	06 Mar 2019	41	11.57	87.53	5.3	33.66	7.9	25.6	0.47
F05	06 Mar 2019	42	11.51	87.79	5.2	33.66	7.9	25.6	0.45
F05	06 Mar 2019	43	11.45	88.02	5.2	33.66	7.9	25.7	0.45
F05	06 Mar 2019	44	11.44	88.09	5.2	33.66	7.9	25.7	0.45
F05	06 Mar 2019	45	11.43	88.04	5.2	33.66	7.9	25.7	0.45
F05	06 Mar 2019	46	11.40	87.95	5.2	33.67	7.9	25.7	0.44
F05	06 Mar 2019	47	11.31	88.08	5.1	33.67	7.9	25.7	0.45
F05	06 Mar 2019	48	11.27	88.13	5.1	33.68	7.9	25.7	0.45
F05	06 Mar 2019	49	11.20	88.14	5.0	33.69	7.9	25.7	0.46
F05	06 Mar 2019	50	11.14	88.14	5.0	33.69	7.9	25.7	0.43
F05	06 Mar 2019	51	11.13	87.89	5.0	33.69	7.9	25.7	0.45
F05	06 Mar 2019	52	11.12	87.97	5.0	33.69	7.9	25.7	0.43
F05	06 Mar 2019	53	11.09	87.77	4.9	33.70	7.9	25.7	0.46
F05	06 Mar 2019	54	11.06	87.36	4.8	33.70	7.9	25.8	0.43
F05	06 Mar 2019	55	11.04	86.91	4.8	33.71	7.9	25.8	0.45
F05	06 Mar 2019	56	11.04	86.14	4.8	33.71	7.9	25.8	0.43
F05	06 Mar 2019	57	11.00	84.22	4.6	33.72	7.9	25.8	0.45
F05	06 Mar 2019	58	10.99	83.53	4.6	33.72	7.9	25.8	0.45
F05	06 Mar 2019	59	11.00	83.95	4.6	33.72	7.9	25.8	0.45
F05	06 Mar 2019	60	10.99	83.12	4.5	33.72	7.9	25.8	0.46
F05	06 Mar 2019	61	10.98	83.13	4.5	33.73	7.9	25.8	0.46
F05	06 Mar 2019	62	10.97	82.05	4.4	33.73	7.9	25.8	0.46
F06	06 Mar 2019	1	14.62	85.35	8.9	33.55	8.2	24.9	0.36
F06	06 Mar 2019	2	14.61	85.43	8.9	33.55	8.2	24.9	0.36
F06	06 Mar 2019	3	14.61	85.51	8.8	33.55	8.2	24.9	0.40
F06	06 Mar 2019	4	14.60	85.59	8.8	33.55	8.2	24.9	0.42
F06	06 Mar 2019	5	14.58	85.67	8.8	33.55	8.2	24.9	0.48
F06	06 Mar 2019	6	14.55	85.20	8.8	33.55	8.2	24.9	0.54
F06	06 Mar 2019	7	14.53	85.27	8.8	33.55	8.2	25.0	0.59
F06	06 Mar 2019	8	14.51	85.30	8.8	33.55	8.2	25.0	0.66
F06	06 Mar 2019	9	14.49	85.19	8.8	33.55	8.2	25.0	0.78
F06	06 Mar 2019	10	14.49	85.09	8.8	33.55	8.2	25.0	0.80
F06	06 Mar 2019	11	14.42	84.59	8.8	33.55	8.2	25.0	0.81
F06	06 Mar 2019	12	14.41	84.83	8.8	33.55	8.2	25.0	0.89
F06	06 Mar 2019	13	14.40	84.86	8.8	33.55	8.2	25.0	1.05
F06	06 Mar 2019	14	14.40	84.56	8.7	33.55	8.2	25.0	1.19
F06	06 Mar 2019	15	14.39	84.61	8.7	33.55	8.2	25.0	1.15
F06	06 Mar 2019	16	14.38	85.00	8.7	33.55	8.2	25.0	1.17
F06	06 Mar 2019	17	14.37	84.82	8.7	33.55	8.2	25.0	1.16
F06	06 Mar 2019	18	14.34	84.87	8.6	33.55	8.2	25.0	1.15
F06	06 Mar 2019	19	14.27	84.69	8.5	33.55	8.2	25.0	1.24
F06	06 Mar 2019	20	14.21	84.87	8.5	33.55	8.2	25.0	1.29
F06	06 Mar 2019	21	14.17	85.16	8.4	33.56	8.2	25.0	1.38
F06	06 Mar 2019	22	13.99	84.79	8.2	33.57	8.2	25.1	1.26
F06	06 Mar 2019	23	13.78	84.49	8.0	33.57	8.2	25.1	1.67
F06	06 Mar 2019	24	13.55	84.03	7.7	33.58	8.2	25.2	2.05
F06	06 Mar 2019	25	13.37	84.18	7.5	33.58	8.1	25.2	1.84
F06	06 Mar 2019	26	13.31	84.06	7.4	33.57	8.1	25.2	1.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F06	06 Mar 2019	27	13.16	84.57	7.2	33.59	8.1	25.3	1.68
F06	06 Mar 2019	28	13.05	84.58	7.0	33.58	8.1	25.3	1.57
F06	06 Mar 2019	29	12.89	84.85	6.7	33.60	8.1	25.3	1.57
F06	06 Mar 2019	30	12.55	84.96	6.3	33.63	8.1	25.4	1.38
F06	06 Mar 2019	31	12.10	86.03	5.8	33.64	8.0	25.5	0.87
F06	06 Mar 2019	32	11.98	86.37	5.6	33.64	8.0	25.5	0.61
F06	06 Mar 2019	33	11.83	86.99	5.5	33.63	8.0	25.6	0.49
F06	06 Mar 2019	34	11.76	87.10	5.5	33.64	8.0	25.6	0.40
F06	06 Mar 2019	35	11.66	87.29	5.5	33.64	8.0	25.6	0.39
F06	06 Mar 2019	36	11.64	87.36	5.5	33.64	8.0	25.6	0.40
F06	06 Mar 2019	37	11.64	87.37	5.4	33.64	8.0	25.6	0.45
F06	06 Mar 2019	38	11.61	87.55	5.4	33.64	8.0	25.6	0.43
F06	06 Mar 2019	39	11.61	87.67	5.4	33.65	8.0	25.6	0.44
F06	06 Mar 2019	40	11.60	87.67	5.3	33.65	8.0	25.6	0.42
F06	06 Mar 2019	41	11.58	87.65	5.3	33.65	8.0	25.6	0.41
F06	06 Mar 2019	42	11.52	87.88	5.3	33.66	7.9	25.6	0.48
F06	06 Mar 2019	43	11.53	87.95	5.3	33.65	7.9	25.6	0.46
F06	06 Mar 2019	44	11.42	88.05	5.2	33.67	7.9	25.7	0.45
F06	06 Mar 2019	45	11.39	88.07	5.2	33.67	7.9	25.7	0.44
F06	06 Mar 2019	46	11.38	87.99	5.2	33.67	7.9	25.7	0.46
F06	06 Mar 2019	47	11.37	88.18	5.2	33.67	7.9	25.7	0.46
F06	06 Mar 2019	48	11.36	87.99	5.2	33.67	7.9	25.7	0.47
F06	06 Mar 2019	49	11.33	88.13	5.1	33.67	7.9	25.7	0.44
F06	06 Mar 2019	50	11.32	88.10	5.1	33.67	7.9	25.7	0.50
F06	06 Mar 2019	51	11.28	88.17	5.1	33.68	7.9	25.7	0.43
F06	06 Mar 2019	52	11.23	88.14	5.0	33.68	7.9	25.7	0.43
F06	06 Mar 2019	53	11.18	88.02	5.0	33.69	7.9	25.7	0.45
F06	06 Mar 2019	54	11.12	88.04	5.0	33.70	7.9	25.7	0.43
F06	06 Mar 2019	55	11.05	87.78	4.9	33.71	7.9	25.8	0.42
F06	06 Mar 2019	56	11.00	86.58	4.7	33.72	7.9	25.8	0.42
F06	06 Mar 2019	57	10.99	84.91	4.6	33.73	7.9	25.8	0.44
F06	06 Mar 2019	58	10.99	82.73	4.5	33.73	7.9	25.8	0.44
F06	06 Mar 2019	59	10.97	82.21	4.5	33.73	7.9	25.8	0.44
F06	06 Mar 2019	60	10.94	81.34	4.4	33.74	7.9	25.8	0.45
F06	06 Mar 2019	61	10.93	80.40	4.4	33.74	7.9	25.8	0.46
F06	06 Mar 2019	62	10.91	78.02	4.4	33.74	7.9	25.8	0.47
F07	06 Mar 2019	1	14.57	85.38	8.9	33.54	8.2	24.9	0.36
F07	06 Mar 2019	2	14.56	85.53	8.9	33.54	8.2	24.9	0.37
F07	06 Mar 2019	3	14.56	85.54	8.8	33.54	8.2	24.9	0.42
F07	06 Mar 2019	4	14.54	85.61	8.8	33.54	8.2	24.9	0.43
F07	06 Mar 2019	5	14.54	85.72	8.8	33.54	8.2	24.9	0.47
F07	06 Mar 2019	6	14.53	85.47	8.7	33.54	8.2	24.9	0.48
F07	06 Mar 2019	7	14.50	85.23	8.8	33.54	8.2	25.0	0.55
F07	06 Mar 2019	8	14.50	85.46	8.8	33.54	8.2	25.0	0.62
F07	06 Mar 2019	9	14.45	85.14	8.7	33.55	8.2	25.0	0.65
F07	06 Mar 2019	10	14.39	84.95	8.8	33.54	8.2	25.0	0.93
F07	06 Mar 2019	11	14.38	84.55	8.8	33.54	8.2	25.0	1.08
F07	06 Mar 2019	12	14.31	84.19	8.6	33.55	8.2	25.0	1.27
F07	06 Mar 2019	13	14.26	84.30	8.6	33.54	8.2	25.0	1.33
F07	06 Mar 2019	14	14.21	84.28	8.5	33.55	8.2	25.0	1.43
F07	06 Mar 2019	15	14.09	83.76	8.3	33.55	8.2	25.0	1.65
F07	06 Mar 2019	16	13.98	84.08	8.2	33.56	8.2	25.1	1.88
F07	06 Mar 2019	17	13.93	84.24	8.1	33.56	8.2	25.1	1.83
F07	06 Mar 2019	18	13.63	84.18	7.8	33.58	8.2	25.2	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	06 Mar 2019	19	13.55	84.92	7.7	33.56	8.2	25.2	1.78
F07	06 Mar 2019	20	13.50	84.95	7.5	33.58	8.2	25.2	1.73
F07	06 Mar 2019	21	13.14	85.10	7.1	33.61	8.1	25.3	1.49
F07	06 Mar 2019	22	12.91	85.40	6.8	33.59	8.1	25.3	1.60
F07	06 Mar 2019	23	12.81	85.32	6.6	33.59	8.1	25.3	1.40
F07	06 Mar 2019	24	12.63	86.00	6.3	33.61	8.1	25.4	1.02
F07	06 Mar 2019	25	12.52	86.35	6.2	33.60	8.0	25.4	0.86
F07	06 Mar 2019	26	12.46	86.42	6.0	33.61	8.0	25.4	0.67
F07	06 Mar 2019	27	12.28	86.29	5.9	33.62	8.0	25.5	0.54
F07	06 Mar 2019	28	12.23	85.73	5.8	33.62	8.0	25.5	0.60
F07	06 Mar 2019	29	12.18	85.85	5.8	33.62	8.0	25.5	0.51
F07	06 Mar 2019	30	12.10	86.23	5.7	33.63	8.0	25.5	0.50
F07	06 Mar 2019	31	11.95	86.50	5.6	33.64	8.0	25.5	0.41
F07	06 Mar 2019	32	11.87	86.53	5.5	33.64	8.0	25.6	0.45
F07	06 Mar 2019	33	11.83	86.47	5.5	33.64	8.0	25.6	0.44
F07	06 Mar 2019	34	11.81	86.59	5.4	33.64	8.0	25.6	0.44
F07	06 Mar 2019	35	11.71	86.70	5.4	33.65	8.0	25.6	0.42
F07	06 Mar 2019	36	11.66	86.33	5.4	33.65	8.0	25.6	0.45
F07	06 Mar 2019	37	11.62	87.01	5.3	33.65	8.0	25.6	0.43
F07	06 Mar 2019	38	11.60	87.17	5.3	33.65	8.0	25.6	0.39
F07	06 Mar 2019	39	11.58	87.20	5.3	33.66	8.0	25.6	0.41
F07	06 Mar 2019	40	11.55	87.26	5.2	33.66	7.9	25.6	0.41
F07	06 Mar 2019	41	11.50	87.39	5.2	33.66	7.9	25.6	0.42
F07	06 Mar 2019	42	11.44	87.38	5.2	33.67	7.9	25.7	0.41
F07	06 Mar 2019	43	11.33	87.48	5.2	33.68	7.9	25.7	0.39
F07	06 Mar 2019	44	11.35	87.50	5.1	33.67	7.9	25.7	0.40
F07	06 Mar 2019	45	11.25	87.60	5.0	33.69	7.9	25.7	0.45
F07	06 Mar 2019	46	11.07	87.55	4.9	33.71	7.9	25.8	0.43
F07	06 Mar 2019	47	11.04	87.54	4.8	33.71	7.9	25.8	0.43
F07	06 Mar 2019	48	11.02	87.48	4.8	33.71	7.9	25.8	0.42
F07	06 Mar 2019	49	11.01	87.41	4.8	33.71	7.9	25.8	0.52
F07	06 Mar 2019	50	10.99	87.33	4.8	33.71	7.9	25.8	0.43
F07	06 Mar 2019	51	10.98	87.36	4.7	33.72	7.9	25.8	0.43
F07	06 Mar 2019	52	10.94	87.33	4.7	33.72	7.9	25.8	0.38
F07	06 Mar 2019	53	10.92	87.24	4.6	33.72	7.9	25.8	0.37
F07	06 Mar 2019	54	10.92	86.35	4.5	33.73	7.9	25.8	0.39
F07	06 Mar 2019	55	10.92	85.95	4.6	33.73	7.9	25.8	0.42
F07	06 Mar 2019	56	10.92	85.64	4.5	33.73	7.9	25.8	0.40
F07	06 Mar 2019	57	10.93	85.32	4.5	33.73	7.9	25.8	0.43
F07	06 Mar 2019	58	10.92	84.90	4.4	33.73	7.9	25.8	0.42
F07	06 Mar 2019	59	10.89	83.81	4.4	33.74	7.9	25.8	0.39
F07	06 Mar 2019	60	10.89	83.45	4.3	33.74	7.9	25.8	0.41
F07	06 Mar 2019	61	10.88	82.51	4.3	33.74	7.9	25.8	0.43
F07	06 Mar 2019	62	10.83	81.63	4.2	33.76	7.8	25.8	0.43
F07	06 Mar 2019	63	10.83	81.98	4.2	33.76	7.8	25.8	0.43
F07	06 Mar 2019	64	10.79	80.29	4.1	33.77	7.8	25.9	0.43
F07	06 Mar 2019	65	10.77	79.73	4.0	33.77	7.8	25.9	0.46
F07	06 Mar 2019	66	10.79	79.56	4.0	33.77	7.8	25.9	0.43
F08	06 Mar 2019	1	14.75	86.24	8.7	33.55	8.2	24.9	0.33
F08	06 Mar 2019	2	14.75	86.23	8.7	33.55	8.2	24.9	0.35
F08	06 Mar 2019	3	14.73	86.27	8.7	33.55	8.2	24.9	0.37
F08	06 Mar 2019	4	14.73	86.09	8.7	33.55	8.2	24.9	0.37
F08	06 Mar 2019	5	14.72	86.02	8.7	33.55	8.2	24.9	0.40
F08	06 Mar 2019	6	14.68	86.16	8.7	33.55	8.2	24.9	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	06 Mar 2019	7	14.62	86.04	8.7	33.55	8.2	24.9	0.49
F08	06 Mar 2019	8	14.54	85.96	8.8	33.55	8.2	25.0	0.50
F08	06 Mar 2019	9	14.53	85.92	8.7	33.55	8.2	25.0	0.57
F08	06 Mar 2019	10	14.52	85.68	8.7	33.55	8.2	25.0	0.59
F08	06 Mar 2019	11	14.51	85.72	8.8	33.55	8.2	25.0	0.66
F08	06 Mar 2019	12	14.49	85.96	8.7	33.55	8.2	25.0	0.65
F08	06 Mar 2019	13	14.43	85.93	8.7	33.55	8.2	25.0	0.78
F08	06 Mar 2019	14	14.36	85.62	8.7	33.55	8.2	25.0	1.05
F08	06 Mar 2019	15	14.30	84.85	8.6	33.55	8.2	25.0	1.37
F08	06 Mar 2019	16	14.23	84.69	8.6	33.55	8.2	25.0	1.44
F08	06 Mar 2019	17	14.15	84.60	8.5	33.55	8.2	25.0	1.50
F08	06 Mar 2019	18	14.00	84.41	8.3	33.56	8.2	25.1	1.49
F08	06 Mar 2019	19	13.89	84.74	8.1	33.56	8.2	25.1	1.29
F08	06 Mar 2019	20	13.76	84.71	8.0	33.56	8.2	25.1	1.23
F08	06 Mar 2019	21	13.67	84.20	7.8	33.57	8.2	25.1	1.35
F08	06 Mar 2019	22	13.49	84.47	7.5	33.58	8.2	25.2	1.99
F08	06 Mar 2019	23	13.24	84.51	7.2	33.60	8.1	25.3	1.65
F08	06 Mar 2019	24	12.90	85.02	6.8	33.60	8.1	25.3	1.24
F08	06 Mar 2019	25	12.74	85.61	6.6	33.60	8.1	25.4	1.12
F08	06 Mar 2019	26	12.61	86.05	6.4	33.61	8.1	25.4	1.06
F08	06 Mar 2019	27	12.49	86.15	6.2	33.61	8.0	25.4	1.05
F08	06 Mar 2019	28	12.40	86.44	6.1	33.62	8.0	25.4	1.06
F08	06 Mar 2019	29	12.32	86.60	6.0	33.62	8.0	25.5	0.72
F08	06 Mar 2019	30	12.20	86.77	5.8	33.63	8.0	25.5	0.66
F08	06 Mar 2019	31	12.07	86.72	5.7	33.63	8.0	25.5	0.81
F08	06 Mar 2019	32	12.01	86.69	5.6	33.63	8.0	25.5	0.55
F08	06 Mar 2019	33	11.87	86.55	5.5	33.64	8.0	25.6	0.50
F08	06 Mar 2019	34	11.74	86.96	5.4	33.65	8.0	25.6	0.45
F08	06 Mar 2019	35	11.59	87.36	5.3	33.66	8.0	25.6	0.39
F08	06 Mar 2019	36	11.49	87.44	5.3	33.66	7.9	25.6	0.37
F08	06 Mar 2019	37	11.42	87.42	5.2	33.67	7.9	25.7	0.41
F08	06 Mar 2019	38	11.36	87.72	5.2	33.67	7.9	25.7	0.44
F08	06 Mar 2019	39	11.28	87.76	5.1	33.68	7.9	25.7	0.43
F08	06 Mar 2019	40	11.17	87.76	5.0	33.69	7.9	25.7	0.40
F08	06 Mar 2019	41	11.07	88.00	5.0	33.70	7.9	25.8	0.37
F08	06 Mar 2019	42	11.01	87.88	4.9	33.71	7.9	25.8	0.45
F08	06 Mar 2019	43	10.99	87.77	4.8	33.71	7.9	25.8	0.42
F08	06 Mar 2019	44	10.99	87.60	4.8	33.71	7.9	25.8	0.40
F08	06 Mar 2019	45	10.99	87.10	4.7	33.72	7.9	25.8	0.42
F08	06 Mar 2019	46	10.99	86.56	4.6	33.72	7.9	25.8	0.61
F08	06 Mar 2019	47	10.95	85.52	4.7	33.72	7.9	25.8	0.58
F08	06 Mar 2019	48	10.94	86.50	4.7	33.72	7.9	25.8	0.46
F08	06 Mar 2019	49	10.95	86.61	4.6	33.73	7.9	25.8	0.42
F08	06 Mar 2019	50	10.94	85.00	4.6	33.73	7.9	25.8	0.44
F08	06 Mar 2019	51	10.92	85.03	4.5	33.73	7.9	25.8	0.40
F08	06 Mar 2019	52	10.90	85.79	4.6	33.73	7.9	25.8	0.43
F08	06 Mar 2019	53	10.90	86.37	4.6	33.73	7.9	25.8	0.41
F08	06 Mar 2019	54	10.90	86.70	4.6	33.73	7.9	25.8	0.40
F08	06 Mar 2019	55	10.89	86.49	4.6	33.73	7.9	25.8	0.37
F08	06 Mar 2019	56	10.88	86.48	4.5	33.73	7.9	25.8	0.36
F08	06 Mar 2019	57	10.85	85.02	4.4	33.75	7.9	25.8	0.38
F08	06 Mar 2019	58	10.79	82.72	4.3	33.76	7.9	25.8	0.39
F08	06 Mar 2019	59	10.77	82.67	4.2	33.77	7.8	25.9	0.42
F08	06 Mar 2019	60	10.76	81.42	4.1	33.77	7.8	25.9	0.43
F08	06 Mar 2019	61	10.74	80.91	4.1	33.77	7.8	25.9	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	06 Mar 2019	62	10.74	80.39	4.0	33.77	7.8	25.9	0.41
F08	06 Mar 2019	63	10.74	79.70	4.0	33.77	7.8	25.9	0.42
F09	06 Mar 2019	1	14.71	86.13	8.7	33.56	8.2	24.9	0.52
F09	06 Mar 2019	2	14.70	86.12	8.7	33.55	8.2	24.9	0.54
F09	06 Mar 2019	3	14.67	86.22	8.7	33.56	8.2	24.9	0.60
F09	06 Mar 2019	4	14.63	86.25	8.7	33.56	8.2	24.9	0.67
F09	06 Mar 2019	5	14.59	85.99	8.7	33.55	8.2	24.9	0.73
F09	06 Mar 2019	6	14.58	85.82	8.6	33.55	8.2	24.9	0.74
F09	06 Mar 2019	7	14.55	85.62	8.7	33.55	8.2	25.0	0.72
F09	06 Mar 2019	8	14.49	85.70	8.7	33.55	8.2	25.0	0.82
F09	06 Mar 2019	9	14.44	85.60	8.6	33.55	8.2	25.0	0.78
F09	06 Mar 2019	10	14.31	85.69	8.6	33.55	8.2	25.0	0.87
F09	06 Mar 2019	11	14.26	85.55	8.7	33.54	8.2	25.0	1.03
F09	06 Mar 2019	12	14.19	85.04	8.5	33.56	8.2	25.0	1.10
F09	06 Mar 2019	13	14.05	84.86	8.4	33.55	8.2	25.1	1.17
F09	06 Mar 2019	14	14.05	84.74	8.3	33.55	8.2	25.1	1.25
F09	06 Mar 2019	15	13.85	84.44	8.0	33.57	8.2	25.1	1.47
F09	06 Mar 2019	16	13.66	84.22	7.8	33.58	8.2	25.2	1.52
F09	06 Mar 2019	17	13.52	84.36	7.6	33.57	8.1	25.2	2.82
F09	06 Mar 2019	18	13.45	84.76	7.4	33.57	8.1	25.2	2.27
F09	06 Mar 2019	19	13.34	84.82	7.3	33.58	8.1	25.2	1.68
F09	06 Mar 2019	20	13.23	85.16	7.2	33.58	8.1	25.2	1.68
F09	06 Mar 2019	21	13.06	85.36	6.9	33.59	8.1	25.3	1.57
F09	06 Mar 2019	22	12.83	85.82	6.6	33.60	8.1	25.3	1.40
F09	06 Mar 2019	23	12.63	85.76	6.3	33.61	8.0	25.4	1.12
F09	06 Mar 2019	24	12.51	86.13	6.2	33.61	8.0	25.4	0.76
F09	06 Mar 2019	25	12.44	86.55	6.1	33.61	8.0	25.4	0.61
F09	06 Mar 2019	26	12.40	86.42	6.0	33.61	8.0	25.4	0.51
F09	06 Mar 2019	27	12.32	86.52	5.9	33.62	8.0	25.5	0.48
F09	06 Mar 2019	28	12.25	86.49	5.8	33.62	8.0	25.5	0.46
F09	06 Mar 2019	29	12.13	86.66	5.7	33.63	8.0	25.5	0.44
F09	06 Mar 2019	30	12.04	86.39	5.6	33.63	8.0	25.5	0.45
F09	06 Mar 2019	31	12.01	86.64	5.6	33.63	8.0	25.5	0.45
F09	06 Mar 2019	32	11.96	86.77	5.5	33.63	8.0	25.5	0.44
F09	06 Mar 2019	33	11.94	86.85	5.5	33.64	8.0	25.5	0.41
F09	06 Mar 2019	34	11.86	86.83	5.4	33.64	8.0	25.6	0.45
F09	06 Mar 2019	35	11.76	87.08	5.4	33.65	8.0	25.6	0.44
F09	06 Mar 2019	36	11.65	87.23	5.3	33.66	7.9	25.6	0.41
F09	06 Mar 2019	37	11.56	87.40	5.2	33.67	7.9	25.6	0.41
F09	06 Mar 2019	38	11.41	87.55	5.2	33.67	7.9	25.7	0.45
F09	06 Mar 2019	39	11.38	87.60	5.1	33.67	7.9	25.7	0.43
F09	06 Mar 2019	40	11.36	87.61	5.1	33.67	7.9	25.7	0.43
F09	06 Mar 2019	41	11.32	87.69	5.0	33.68	7.9	25.7	0.44
F09	06 Mar 2019	42	11.15	87.56	4.9	33.70	7.9	25.7	0.42
F09	06 Mar 2019	43	11.09	87.68	4.8	33.70	7.9	25.7	0.41
F09	06 Mar 2019	44	11.06	86.15	4.7	33.72	7.9	25.8	0.42
F09	06 Mar 2019	45	11.05	84.88	4.6	33.72	7.9	25.8	0.45
F09	06 Mar 2019	46	11.01	84.28	4.6	33.73	7.9	25.8	0.48
F09	06 Mar 2019	47	10.97	84.49	4.5	33.73	7.9	25.8	0.46
F09	06 Mar 2019	48	10.94	84.49	4.5	33.73	7.9	25.8	0.45
F09	06 Mar 2019	49	10.93	84.48	4.5	33.73	7.9	25.8	0.43
F09	06 Mar 2019	50	10.89	84.07	4.4	33.74	7.9	25.8	0.43
F09	06 Mar 2019	51	10.88	83.75	4.4	33.74	7.9	25.8	0.44
F09	06 Mar 2019	52	10.87	83.85	4.3	33.74	7.9	25.8	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	06 Mar 2019	53	10.85	83.37	4.3	33.74	7.8	25.8	0.41
F09	06 Mar 2019	54	10.85	83.38	4.3	33.74	7.8	25.8	0.41
F09	06 Mar 2019	55	10.83	83.27	4.3	33.75	7.8	25.8	0.44
F09	06 Mar 2019	56	10.82	82.55	4.2	33.75	7.8	25.8	0.39
F09	06 Mar 2019	57	10.82	82.55	4.2	33.75	7.8	25.8	0.40
F09	06 Mar 2019	58	10.82	82.56	4.2	33.75	7.8	25.8	0.41
F09	06 Mar 2019	59	10.81	82.54	4.2	33.75	7.8	25.8	0.42
F09	06 Mar 2019	60	10.81	82.06	4.2	33.75	7.8	25.8	0.43
F09	06 Mar 2019	61	10.81	81.21	4.2	33.75	7.8	25.8	0.42
F09	06 Mar 2019	62	10.81	80.60	4.2	33.75	7.8	25.8	0.43
F09	06 Mar 2019	63	10.81	78.76	4.2	33.75	7.8	25.8	0.43
F10	06 Mar 2019	1	14.78	85.47	8.8	33.54	8.2	24.9	0.58
F10	06 Mar 2019	2	14.78	85.48	8.8	33.54	8.2	24.9	0.60
F10	06 Mar 2019	3	14.78	85.42	8.8	33.54	8.2	24.9	0.63
F10	06 Mar 2019	4	14.73	85.31	8.8	33.54	8.2	24.9	0.70
F10	06 Mar 2019	5	14.73	85.37	8.8	33.54	8.2	24.9	0.73
F10	06 Mar 2019	6	14.72	85.23	8.7	33.54	8.2	24.9	0.74
F10	06 Mar 2019	7	14.70	85.33	8.8	33.54	8.2	24.9	0.76
F10	06 Mar 2019	8	14.69	85.24	8.7	33.54	8.2	24.9	0.78
F10	06 Mar 2019	9	14.67	85.39	8.7	33.54	8.2	24.9	0.83
F10	06 Mar 2019	10	14.64	85.58	8.7	33.54	8.2	24.9	0.81
F10	06 Mar 2019	11	14.57	85.47	8.5	33.55	8.2	24.9	0.80
F10	06 Mar 2019	12	14.02	85.45	8.3	33.60	8.2	25.1	0.96
F10	06 Mar 2019	13	13.72	85.69	8.1	33.57	8.2	25.1	1.01
F10	06 Mar 2019	14	13.66	85.46	8.0	33.57	8.2	25.2	0.94
F10	06 Mar 2019	15	13.61	85.42	7.9	33.57	8.2	25.2	0.90
F10	06 Mar 2019	16	13.55	85.73	7.8	33.57	8.2	25.2	0.90
F10	06 Mar 2019	17	13.51	85.32	7.7	33.57	8.1	25.2	0.81
F10	06 Mar 2019	18	13.41	85.33	7.5	33.58	8.1	25.2	0.84
F10	06 Mar 2019	19	13.25	85.70	7.3	33.59	8.1	25.3	0.95
F10	06 Mar 2019	20	13.09	85.45	7.0	33.60	8.1	25.3	1.28
F10	06 Mar 2019	21	12.93	85.31	6.8	33.61	8.1	25.3	1.24
F10	06 Mar 2019	22	12.78	85.41	6.6	33.62	8.1	25.4	0.93
F10	06 Mar 2019	23	12.60	85.99	6.4	33.62	8.0	25.4	0.90
F10	06 Mar 2019	24	12.56	86.02	6.2	33.61	8.0	25.4	1.01
F10	06 Mar 2019	25	12.51	86.26	6.1	33.62	8.0	25.4	0.83
F10	06 Mar 2019	26	12.35	86.29	6.0	33.63	8.0	25.5	0.66
F10	06 Mar 2019	27	12.27	86.83	5.8	33.63	8.0	25.5	0.68
F10	06 Mar 2019	28	12.12	86.84	5.6	33.64	8.0	25.5	0.55
F10	06 Mar 2019	29	11.96	87.08	5.5	33.65	8.0	25.5	0.50
F10	06 Mar 2019	30	11.82	87.18	5.4	33.66	8.0	25.6	0.44
F10	06 Mar 2019	31	11.64	87.32	5.3	33.66	7.9	25.6	0.42
F10	06 Mar 2019	32	11.58	87.45	5.2	33.66	7.9	25.6	0.39
F10	06 Mar 2019	33	11.51	87.61	5.2	33.66	7.9	25.6	0.42
F10	06 Mar 2019	34	11.47	87.49	5.1	33.68	7.9	25.7	0.47
F10	06 Mar 2019	35	11.29	87.63	5.1	33.68	7.9	25.7	0.44
F10	06 Mar 2019	36	11.26	87.82	5.0	33.68	7.9	25.7	0.45
F10	06 Mar 2019	37	11.24	87.67	5.0	33.68	7.9	25.7	0.44
F10	06 Mar 2019	38	11.16	87.57	5.0	33.70	7.9	25.7	0.44
F10	06 Mar 2019	39	11.10	87.66	4.9	33.70	7.9	25.7	0.41
F10	06 Mar 2019	40	11.07	87.88	4.9	33.70	7.9	25.8	0.40
F10	06 Mar 2019	41	11.07	87.88	4.8	33.70	7.9	25.8	0.40
F10	06 Mar 2019	42	11.00	87.90	4.8	33.72	7.9	25.8	0.40
F10	06 Mar 2019	43	10.98	87.82	4.8	33.72	7.9	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	06 Mar 2019	44	10.96	87.29	4.7	33.73	7.9	25.8	0.39
F10	06 Mar 2019	45	10.96	86.13	4.6	33.73	7.9	25.8	0.38
F10	06 Mar 2019	46	10.96	86.05	4.5	33.73	7.9	25.8	0.60
F10	06 Mar 2019	47	10.93	85.90	4.5	33.74	7.9	25.8	1.07
F10	06 Mar 2019	48	10.91	85.60	4.4	33.74	7.9	25.8	0.72
F10	06 Mar 2019	49	10.90	85.20	4.4	33.74	7.9	25.8	0.49
F10	06 Mar 2019	50	10.89	85.05	4.3	33.74	7.9	25.8	0.44
F10	06 Mar 2019	51	10.87	84.54	4.3	33.75	7.8	25.8	0.45
F10	06 Mar 2019	52	10.83	84.21	4.2	33.75	7.8	25.8	0.43
F10	06 Mar 2019	53	10.81	84.26	4.2	33.76	7.8	25.8	0.43
F10	06 Mar 2019	54	10.80	84.11	4.2	33.76	7.8	25.8	0.41
F10	06 Mar 2019	55	10.79	82.90	4.1	33.76	7.8	25.8	0.38
F10	06 Mar 2019	56	10.79	82.48	4.1	33.76	7.8	25.9	0.38
F10	06 Mar 2019	57	10.79	82.03	4.1	33.76	7.8	25.9	0.38
F10	06 Mar 2019	58	10.78	80.57	4.0	33.77	7.8	25.9	0.38
F10	06 Mar 2019	59	10.78	79.23	4.0	33.77	7.8	25.9	0.41
F10	06 Mar 2019	60	10.78	78.46	4.0	33.77	7.8	25.9	0.42
F10	06 Mar 2019	61	10.78	71.67	4.0	33.77	7.8	25.9	0.47
F10	06 Mar 2019	62	10.79	60.55	4.0	33.77	7.8	25.9	0.53
F11	06 Mar 2019	1	14.54	83.39	8.6	33.52	8.2	24.9	0.40
F11	06 Mar 2019	2	14.53	70.29	8.6	33.52	8.2	24.9	0.40
F11	06 Mar 2019	3	14.53	66.46	8.6	33.51	8.2	24.9	0.41
F11	06 Mar 2019	4	14.50	82.90	8.6	33.53	8.2	24.9	0.45
F11	06 Mar 2019	5	14.47	84.23	8.6	33.53	8.2	25.0	0.45
F11	06 Mar 2019	6	14.46	84.42	8.6	33.53	8.2	25.0	0.50
F11	06 Mar 2019	7	14.43	84.27	8.6	33.53	8.2	25.0	0.55
F11	06 Mar 2019	8	14.40	84.48	8.6	33.53	8.2	25.0	0.65
F11	06 Mar 2019	9	14.39	84.51	8.5	33.53	8.2	25.0	0.69
F11	06 Mar 2019	10	14.36	84.45	8.5	33.53	8.2	25.0	0.71
F11	06 Mar 2019	11	14.34	84.81	8.5	33.54	8.2	25.0	0.78
F11	06 Mar 2019	12	14.26	84.68	8.3	33.55	8.2	25.0	0.76
F11	06 Mar 2019	13	13.86	84.82	8.1	33.58	8.2	25.1	0.78
F11	06 Mar 2019	14	13.53	85.17	7.8	33.60	8.2	25.2	0.79
F11	06 Mar 2019	15	13.44	85.03	7.5	33.58	8.1	25.2	0.79
F11	06 Mar 2019	16	13.22	85.33	7.3	33.61	8.1	25.3	0.77
F11	06 Mar 2019	17	13.14	85.63	7.1	33.60	8.1	25.3	0.75
F11	06 Mar 2019	18	13.04	85.77	7.0	33.60	8.1	25.3	0.80
F11	06 Mar 2019	19	12.94	85.82	6.8	33.60	8.1	25.3	0.68
F11	06 Mar 2019	20	12.70	85.96	6.4	33.65	8.1	25.4	0.72
F11	06 Mar 2019	21	12.20	86.28	5.9	33.66	8.0	25.5	0.54
F11	06 Mar 2019	22	12.11	86.92	5.6	33.64	8.0	25.5	0.50
F11	06 Mar 2019	23	11.93	87.18	5.5	33.65	8.0	25.6	0.47
F11	06 Mar 2019	24	11.90	87.13	5.5	33.65	8.0	25.6	0.45
F11	06 Mar 2019	25	11.84	86.98	5.4	33.65	8.0	25.6	0.40
F11	06 Mar 2019	26	11.79	87.02	5.3	33.65	8.0	25.6	0.45
F11	06 Mar 2019	27	11.69	87.14	5.2	33.67	8.0	25.6	0.43
F11	06 Mar 2019	28	11.55	87.06	5.1	33.67	7.9	25.6	0.38
F11	06 Mar 2019	29	11.43	87.23	5.0	33.68	7.9	25.7	0.40
F11	06 Mar 2019	30	11.38	87.30	5.0	33.67	7.9	25.7	0.40
F11	06 Mar 2019	31	11.29	87.51	5.0	33.69	7.9	25.7	0.40
F11	06 Mar 2019	32	11.18	87.67	4.9	33.70	7.9	25.7	0.42
F11	06 Mar 2019	33	11.15	87.60	4.9	33.69	7.9	25.7	0.39
F11	06 Mar 2019	34	11.12	87.72	4.8	33.70	7.9	25.7	0.41
F11	06 Mar 2019	35	11.09	87.51	4.8	33.70	7.9	25.7	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	06 Mar 2019	36	11.05	87.44	4.8	33.70	7.9	25.8	0.41
F11	06 Mar 2019	37	11.00	87.09	4.7	33.70	7.9	25.8	0.44
F11	06 Mar 2019	38	10.98	87.33	4.6	33.71	7.9	25.8	0.43
F11	06 Mar 2019	39	10.94	87.29	4.6	33.72	7.9	25.8	0.37
F11	06 Mar 2019	40	10.92	87.15	4.5	33.72	7.9	25.8	0.37
F11	06 Mar 2019	41	10.91	86.65	4.4	33.73	7.9	25.8	0.37
F11	06 Mar 2019	42	10.92	85.36	4.3	33.74	7.9	25.8	0.36
F11	06 Mar 2019	43	10.92	85.00	4.3	33.74	7.9	25.8	0.46
F11	06 Mar 2019	44	10.92	84.64	4.3	33.74	7.9	25.8	0.38
F11	06 Mar 2019	45	10.92	84.30	4.3	33.75	7.9	25.8	0.39
F11	06 Mar 2019	46	10.91	84.14	4.2	33.75	7.8	25.8	0.39
F11	06 Mar 2019	47	10.90	84.02	4.2	33.75	7.8	25.8	0.42
F11	06 Mar 2019	48	10.87	83.75	4.2	33.76	7.8	25.8	0.40
F11	06 Mar 2019	49	10.86	83.86	4.2	33.76	7.8	25.8	0.40
F11	06 Mar 2019	50	10.85	83.78	4.2	33.76	7.8	25.8	0.40
F11	06 Mar 2019	51	10.84	83.05	4.1	33.76	7.8	25.8	0.40
F11	06 Mar 2019	52	10.83	82.41	4.1	33.76	7.8	25.8	0.38
F11	06 Mar 2019	53	10.83	82.37	4.0	33.77	7.8	25.8	0.39
F11	06 Mar 2019	54	10.82	81.97	4.0	33.77	7.8	25.8	0.37
F11	06 Mar 2019	55	10.81	82.22	4.0	33.77	7.8	25.9	0.39
F11	06 Mar 2019	56	10.80	82.71	4.0	33.77	7.8	25.9	0.36
F11	06 Mar 2019	57	10.79	82.07	4.0	33.77	7.8	25.9	0.36
F11	06 Mar 2019	58	10.79	81.58	4.0	33.77	7.8	25.9	0.36
F11	06 Mar 2019	59	10.80	81.52	4.0	33.77	7.8	25.9	0.41
F11	06 Mar 2019	60	10.80	81.39	4.0	33.77	7.8	25.9	0.38
F11	06 Mar 2019	61	10.80	81.45	4.0	33.77	7.8	25.9	0.37
F11	06 Mar 2019	62	10.80	81.13	4.0	33.77	7.8	25.9	0.37
F12	06 Mar 2019	1	14.43	83.89	8.7	33.54	8.2	25.0	0.50
F12	06 Mar 2019	2	14.42	84.14	8.7	33.54	8.2	25.0	0.53
F12	06 Mar 2019	3	14.40	84.11	8.7	33.54	8.2	25.0	0.54
F12	06 Mar 2019	4	14.38	84.19	8.6	33.54	8.2	25.0	0.56
F12	06 Mar 2019	5	14.34	84.07	8.5	33.54	8.2	25.0	0.59
F12	06 Mar 2019	6	14.19	84.11	8.3	33.56	8.2	25.0	0.61
F12	06 Mar 2019	7	13.95	84.55	8.1	33.56	8.2	25.1	0.64
F12	06 Mar 2019	8	13.85	84.60	7.9	33.56	8.2	25.1	0.64
F12	06 Mar 2019	9	13.57	84.65	7.6	33.59	8.2	25.2	0.63
F12	06 Mar 2019	10	13.33	84.75	7.4	33.59	8.1	25.2	0.59
F12	06 Mar 2019	11	13.28	84.81	7.1	33.59	8.1	25.2	0.61
F12	06 Mar 2019	12	13.01	85.11	6.9	33.61	8.1	25.3	0.55
F12	06 Mar 2019	13	12.88	85.30	6.7	33.60	8.1	25.3	0.47
F12	06 Mar 2019	14	12.83	85.61	6.6	33.60	8.1	25.3	0.42
F12	06 Mar 2019	15	12.79	85.51	6.6	33.60	8.1	25.4	0.47
F12	06 Mar 2019	16	12.73	85.61	6.5	33.61	8.1	25.4	0.42
F12	06 Mar 2019	17	12.68	85.82	6.4	33.61	8.1	25.4	0.46
F12	06 Mar 2019	18	12.65	85.73	6.4	33.61	8.0	25.4	0.47
F12	06 Mar 2019	19	12.51	85.71	6.2	33.63	8.0	25.4	0.44
F12	06 Mar 2019	20	12.42	85.52	6.1	33.63	8.0	25.4	0.45
F12	06 Mar 2019	21	12.35	85.85	5.9	33.64	8.0	25.5	0.46
F12	06 Mar 2019	22	12.28	85.93	5.8	33.63	8.0	25.5	0.47
F12	06 Mar 2019	23	12.24	86.02	5.7	33.64	8.0	25.5	0.46
F12	06 Mar 2019	24	12.19	86.52	5.6	33.64	8.0	25.5	0.48
F12	06 Mar 2019	25	11.97	86.46	5.5	33.67	8.0	25.6	0.52
F12	06 Mar 2019	26	11.85	86.98	5.4	33.66	8.0	25.6	0.47
F12	06 Mar 2019	27	11.79	86.98	5.3	33.67	8.0	25.6	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	06 Mar 2019	28	11.67	86.77	5.2	33.67	8.0	25.6	0.37
F12	06 Mar 2019	29	11.61	86.85	5.2	33.67	7.9	25.6	0.38
F12	06 Mar 2019	30	11.52	86.96	5.1	33.68	7.9	25.7	0.38
F12	06 Mar 2019	31	11.37	87.04	5.0	33.69	7.9	25.7	0.40
F12	06 Mar 2019	32	11.30	87.00	4.9	33.69	7.9	25.7	0.37
F12	06 Mar 2019	33	11.18	86.98	4.8	33.71	7.9	25.7	0.37
F12	06 Mar 2019	34	11.11	86.99	4.7	33.71	7.9	25.7	0.34
F12	06 Mar 2019	35	11.06	87.03	4.6	33.71	7.9	25.8	0.35
F12	06 Mar 2019	36	11.00	87.02	4.5	33.72	7.9	25.8	0.33
F12	06 Mar 2019	37	10.92	87.02	4.5	33.73	7.9	25.8	0.34
F12	06 Mar 2019	38	10.85	86.86	4.4	33.73	7.9	25.8	0.32
F12	06 Mar 2019	39	10.84	86.67	4.3	33.73	7.9	25.8	0.32
F12	06 Mar 2019	40	10.83	86.81	4.3	33.73	7.9	25.8	0.28
F12	06 Mar 2019	41	10.82	86.50	4.2	33.74	7.9	25.8	0.29
F12	06 Mar 2019	42	10.83	85.68	4.2	33.75	7.8	25.8	0.31
F12	06 Mar 2019	43	10.84	84.97	4.2	33.75	7.8	25.8	0.33
F12	06 Mar 2019	44	10.84	84.94	4.1	33.76	7.8	25.8	0.43
F12	06 Mar 2019	45	10.84	84.88	4.1	33.76	7.8	25.8	0.31
F12	06 Mar 2019	46	10.84	84.59	4.1	33.76	7.8	25.8	0.31
F12	06 Mar 2019	47	10.83	84.58	4.1	33.76	7.8	25.8	0.31
F12	06 Mar 2019	48	10.82	84.29	4.1	33.76	7.8	25.8	0.33
F12	06 Mar 2019	49	10.82	83.92	4.1	33.76	7.8	25.8	0.32
F12	06 Mar 2019	50	10.82	83.49	4.1	33.76	7.8	25.8	0.35
F12	06 Mar 2019	51	10.81	83.08	4.1	33.76	7.8	25.8	0.33
F12	06 Mar 2019	52	10.80	83.31	4.1	33.76	7.8	25.8	0.34
F12	06 Mar 2019	53	10.80	83.30	4.0	33.76	7.8	25.8	0.33
F12	06 Mar 2019	54	10.79	83.44	4.0	33.76	7.8	25.8	0.31
F12	06 Mar 2019	55	10.78	83.44	4.0	33.76	7.8	25.8	0.31
F12	06 Mar 2019	56	10.77	83.12	4.0	33.76	7.8	25.8	0.33
F12	06 Mar 2019	57	10.76	82.60	4.0	33.76	7.8	25.8	0.34
F12	06 Mar 2019	58	10.76	82.83	4.0	33.76	7.8	25.9	0.31
F12	06 Mar 2019	59	10.73	81.60	4.0	33.75	7.8	25.9	0.34
F12	06 Mar 2019	60	10.72	79.86	3.9	33.75	7.8	25.9	0.35
F12	06 Mar 2019	61	10.72	79.41	3.9	33.75	7.8	25.9	0.37
F12	06 Mar 2019	62	10.71	80.35	3.9	33.75	7.8	25.9	0.38
F12	06 Mar 2019	63	10.71	79.43	3.9	33.75	7.8	25.9	0.35
F13	06 Mar 2019	1	14.19	83.90	8.5	33.55	8.2	25.0	0.82
F13	06 Mar 2019	2	14.19	83.56	8.5	33.55	8.2	25.0	0.82
F13	06 Mar 2019	3	14.19	83.94	8.4	33.55	8.2	25.0	0.90
F13	06 Mar 2019	4	14.18	83.86	8.4	33.55	8.2	25.0	1.24
F13	06 Mar 2019	5	14.18	83.84	8.4	33.55	8.2	25.0	1.26
F13	06 Mar 2019	6	14.18	83.89	8.4	33.55	8.2	25.0	1.23
F13	06 Mar 2019	7	14.16	83.78	8.3	33.55	8.2	25.0	1.43
F13	06 Mar 2019	8	14.06	83.94	8.3	33.55	8.2	25.1	1.46
F13	06 Mar 2019	9	14.02	83.71	8.2	33.55	8.2	25.1	1.42
F13	06 Mar 2019	10	13.97	83.83	8.1	33.55	8.2	25.1	1.63
F13	06 Mar 2019	11	13.84	83.80	7.9	33.56	8.2	25.1	1.58
F13	06 Mar 2019	12	13.62	83.96	7.6	33.58	8.2	25.2	1.45
F13	06 Mar 2019	13	13.31	84.52	7.2	33.60	8.1	25.2	1.51
F13	06 Mar 2019	14	12.99	85.40	6.8	33.60	8.1	25.3	1.73
F13	06 Mar 2019	15	12.88	85.62	6.7	33.60	8.1	25.3	1.31
F13	06 Mar 2019	16	12.80	85.66	6.6	33.60	8.1	25.4	0.92
F13	06 Mar 2019	17	12.74	85.72	6.5	33.61	8.1	25.4	0.85
F13	06 Mar 2019	18	12.57	85.54	6.2	33.62	8.0	25.4	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	06 Mar 2019	19	12.36	86.19	6.0	33.63	8.0	25.5	0.82
F13	06 Mar 2019	20	12.28	86.00	5.8	33.63	8.0	25.5	0.72
F13	06 Mar 2019	21	12.23	86.06	5.8	33.64	8.0	25.5	0.65
F13	06 Mar 2019	22	12.18	86.32	5.7	33.64	8.0	25.5	0.66
F13	06 Mar 2019	23	12.06	86.26	5.6	33.65	8.0	25.5	0.66
F13	06 Mar 2019	24	11.99	86.38	5.5	33.65	8.0	25.5	0.55
F13	06 Mar 2019	25	11.93	86.43	5.5	33.66	8.0	25.6	0.58
F13	06 Mar 2019	26	11.84	86.66	5.4	33.66	8.0	25.6	0.55
F13	06 Mar 2019	27	11.67	86.78	5.2	33.68	7.9	25.6	0.54
F13	06 Mar 2019	28	11.66	86.67	5.2	33.67	7.9	25.6	0.44
F13	06 Mar 2019	29	11.61	86.72	5.1	33.68	7.9	25.6	0.42
F13	06 Mar 2019	30	11.59	86.73	5.1	33.68	7.9	25.6	0.44
F13	06 Mar 2019	31	11.50	86.84	5.1	33.69	7.9	25.7	0.43
F13	06 Mar 2019	32	11.42	86.83	5.0	33.69	7.9	25.7	0.42
F13	06 Mar 2019	33	11.35	86.92	5.0	33.69	7.9	25.7	0.40
F13	06 Mar 2019	34	11.34	87.12	5.0	33.69	7.9	25.7	0.42
F13	06 Mar 2019	35	11.28	87.16	5.0	33.69	7.9	25.7	0.39
F13	06 Mar 2019	36	11.19	87.28	4.9	33.70	7.9	25.7	0.39
F13	06 Mar 2019	37	11.14	87.20	4.8	33.71	7.9	25.7	0.38
F13	06 Mar 2019	38	11.08	87.13	4.7	33.71	7.9	25.8	0.35
F13	06 Mar 2019	39	11.04	87.03	4.7	33.71	7.9	25.8	0.37
F13	06 Mar 2019	40	11.00	87.16	4.6	33.72	7.9	25.8	0.43
F13	06 Mar 2019	41	10.96	87.20	4.6	33.72	7.9	25.8	0.42
F13	06 Mar 2019	42	10.97	86.39	4.5	33.73	7.9	25.8	0.39
F13	06 Mar 2019	43	10.98	85.11	4.4	33.73	7.9	25.8	0.35
F13	06 Mar 2019	44	10.99	85.02	4.4	33.74	7.9	25.8	0.35
F13	06 Mar 2019	45	10.99	85.06	4.4	33.74	7.9	25.8	0.35
F13	06 Mar 2019	46	10.99	84.53	4.4	33.74	7.9	25.8	0.40
F13	06 Mar 2019	47	10.99	84.51	4.4	33.74	7.9	25.8	0.40
F13	06 Mar 2019	48	10.99	84.50	4.4	33.74	7.9	25.8	0.35
F13	06 Mar 2019	49	11.00	84.48	4.4	33.74	7.9	25.8	0.37
F13	06 Mar 2019	50	11.00	84.40	4.4	33.74	7.9	25.8	0.37
F13	06 Mar 2019	51	11.00	84.11	4.3	33.74	7.9	25.8	0.37
F13	06 Mar 2019	52	11.00	84.19	4.3	33.74	7.9	25.8	0.42
F13	06 Mar 2019	53	11.00	84.22	4.4	33.74	7.8	25.8	0.43
F13	06 Mar 2019	54	11.00	84.11	4.4	33.74	7.8	25.8	0.47
F13	06 Mar 2019	55	11.00	84.18	4.4	33.74	7.8	25.8	0.39
F13	06 Mar 2019	56	11.00	84.08	4.4	33.74	7.8	25.8	0.36
F13	06 Mar 2019	57	11.00	83.92	4.3	33.74	7.8	25.8	0.40
F13	06 Mar 2019	58	10.99	83.90	4.3	33.74	7.8	25.8	0.40
F13	06 Mar 2019	59	10.99	83.78	4.3	33.74	7.8	25.8	0.40
F13	06 Mar 2019	60	10.98	83.57	4.3	33.75	7.8	25.8	0.41
F13	06 Mar 2019	61	10.94	83.32	4.3	33.75	7.8	25.8	0.48
F13	06 Mar 2019	62	10.92	81.78	4.3	33.76	7.8	25.8	0.48
F14	06 Mar 2019	1	14.47	82.57	8.6	33.52	8.2	24.9	0.71
F14	06 Mar 2019	2	14.47	82.74	8.6	33.52	8.2	24.9	0.77
F14	06 Mar 2019	3	14.47	83.17	8.6	33.52	8.2	24.9	0.86
F14	06 Mar 2019	4	14.47	83.20	8.6	33.52	8.2	24.9	0.92
F14	06 Mar 2019	5	14.48	83.09	8.6	33.52	8.2	24.9	0.98
F14	06 Mar 2019	6	14.47	83.17	8.6	33.52	8.2	24.9	1.03
F14	06 Mar 2019	7	14.45	83.27	8.5	33.53	8.2	25.0	1.06
F14	06 Mar 2019	8	14.43	83.33	8.5	33.53	8.2	25.0	1.02
F14	06 Mar 2019	9	14.41	83.31	8.5	33.53	8.2	25.0	0.97
F14	06 Mar 2019	10	14.33	83.51	8.5	33.54	8.2	25.0	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F14	06 Mar 2019	11	14.27	83.63	8.4	33.54	8.2	25.0	1.13
F14	06 Mar 2019	12	14.09	83.72	8.1	33.56	8.2	25.1	1.04
F14	06 Mar 2019	13	13.89	83.57	8.0	33.58	8.2	25.1	1.14
F14	06 Mar 2019	14	13.72	83.84	7.9	33.57	8.2	25.1	1.57
F14	06 Mar 2019	15	13.59	83.89	7.6	33.58	8.2	25.2	1.53
F14	06 Mar 2019	16	13.39	83.88	7.4	33.59	8.1	25.2	1.37
F14	06 Mar 2019	17	13.27	83.84	7.2	33.59	8.1	25.2	1.39
F14	06 Mar 2019	18	13.21	83.45	7.1	33.58	8.1	25.3	1.71
F14	06 Mar 2019	19	13.12	83.45	7.0	33.59	8.1	25.3	1.56
F14	06 Mar 2019	20	13.04	83.51	6.8	33.59	8.1	25.3	1.47
F14	06 Mar 2019	21	13.00	83.63	6.7	33.59	8.1	25.3	1.40
F14	06 Mar 2019	22	12.86	83.45	6.6	33.61	8.1	25.3	1.34
F14	06 Mar 2019	23	12.80	83.52	6.4	33.61	8.1	25.4	1.15
F14	06 Mar 2019	24	12.71	83.52	6.3	33.62	8.0	25.4	1.06
F14	06 Mar 2019	25	12.55	84.01	6.1	33.63	8.0	25.4	1.00
F14	06 Mar 2019	26	12.38	84.51	5.9	33.64	8.0	25.5	0.89
F14	06 Mar 2019	27	12.25	85.04	5.8	33.64	8.0	25.5	0.74
F14	06 Mar 2019	28	12.18	85.60	5.6	33.65	8.0	25.5	0.77
F14	06 Mar 2019	29	12.04	85.67	5.5	33.66	8.0	25.5	0.63
F14	06 Mar 2019	30	11.86	85.97	5.4	33.67	8.0	25.6	0.57
F14	06 Mar 2019	31	11.80	86.36	5.3	33.66	8.0	25.6	0.50
F14	06 Mar 2019	32	11.63	86.24	5.2	33.69	7.9	25.6	0.46
F14	06 Mar 2019	33	11.45	86.43	5.1	33.69	7.9	25.7	0.42
F14	06 Mar 2019	34	11.40	86.67	5.0	33.69	7.9	25.7	0.44
F14	06 Mar 2019	35	11.37	86.66	5.0	33.69	7.9	25.7	0.47
F14	06 Mar 2019	36	11.35	86.77	5.0	33.69	7.9	25.7	0.46
F14	06 Mar 2019	37	11.33	86.77	4.9	33.69	7.9	25.7	0.47
F14	06 Mar 2019	38	11.31	86.57	4.9	33.69	7.9	25.7	0.44
F14	06 Mar 2019	39	11.28	86.73	4.9	33.70	7.9	25.7	0.42
F14	06 Mar 2019	40	11.28	86.73	4.9	33.70	7.9	25.7	0.46
F14	06 Mar 2019	41	11.22	86.47	4.8	33.71	7.9	25.7	0.41
F14	06 Mar 2019	42	11.20	86.26	4.7	33.72	7.9	25.7	0.46
F14	06 Mar 2019	43	11.19	85.98	4.6	33.72	7.9	25.7	0.44
F14	06 Mar 2019	44	11.15	84.75	4.5	33.73	7.9	25.8	0.40
F14	06 Mar 2019	45	11.14	84.84	4.6	33.73	7.9	25.8	0.46
F14	06 Mar 2019	46	11.13	85.00	4.6	33.72	7.9	25.8	0.37
F14	06 Mar 2019	47	11.13	85.13	4.5	33.72	7.9	25.8	0.41
F14	06 Mar 2019	48	11.12	84.92	4.5	33.73	7.9	25.8	0.38
F14	06 Mar 2019	49	11.11	84.75	4.5	33.73	7.9	25.8	0.43
F14	06 Mar 2019	50	11.11	84.98	4.5	33.73	7.9	25.8	0.39
F14	06 Mar 2019	51	11.10	84.59	4.5	33.73	7.9	25.8	0.40
F14	06 Mar 2019	52	11.09	84.26	4.5	33.73	7.9	25.8	0.39
F14	06 Mar 2019	53	11.09	84.09	4.5	33.74	7.9	25.8	0.42
F14	06 Mar 2019	54	11.09	83.89	4.4	33.74	7.9	25.8	0.44
F14	06 Mar 2019	55	11.08	83.84	4.5	33.74	7.9	25.8	0.45
F14	06 Mar 2019	56	11.08	83.56	4.4	33.74	7.9	25.8	0.42
F14	06 Mar 2019	57	11.08	83.67	4.4	33.74	7.9	25.8	0.40
F14	06 Mar 2019	58	11.08	83.61	4.4	33.74	7.9	25.8	0.43
F14	06 Mar 2019	59	11.07	83.44	4.4	33.74	7.9	25.8	0.44
F14	06 Mar 2019	60	11.04	83.44	4.4	33.75	7.9	25.8	0.45
F14	06 Mar 2019	61	11.04	82.62	4.3	33.75	7.8	25.8	0.45
F14	06 Mar 2019	62	11.00	71.25	4.3	33.76	7.8	25.8	0.51
F15	07 Mar 2019	1	15.24	83.77	8.7	33.54	8.2	24.8	0.42
F15	07 Mar 2019	2	15.24	83.23	8.6	33.54	8.2	24.8	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	07 Mar 2019	3	15.09	84.11	8.6	33.56	8.2	24.8	0.41
F15	07 Mar 2019	4	14.95	84.54	8.6	33.57	8.2	24.9	0.39
F15	07 Mar 2019	5	14.92	84.61	8.6	33.58	8.2	24.9	0.38
F15	07 Mar 2019	6	14.84	84.88	8.7	33.59	8.2	24.9	0.37
F15	07 Mar 2019	7	14.82	85.28	8.7	33.58	8.3	24.9	0.37
F15	07 Mar 2019	8	14.82	85.28	8.7	33.58	8.3	24.9	0.41
F15	07 Mar 2019	9	14.82	85.14	8.8	33.59	8.3	24.9	0.41
F15	07 Mar 2019	10	14.81	85.31	8.8	33.59	8.3	24.9	0.44
F15	07 Mar 2019	11	14.81	85.10	8.7	33.59	8.3	24.9	0.47
F15	07 Mar 2019	12	14.80	85.19	8.7	33.59	8.3	24.9	0.50
F15	07 Mar 2019	13	14.75	85.34	8.7	33.59	8.2	24.9	0.53
F15	07 Mar 2019	14	14.69	85.60	8.7	33.59	8.2	25.0	0.62
F15	07 Mar 2019	15	14.65	85.95	8.5	33.60	8.2	25.0	0.57
F15	07 Mar 2019	16	14.39	86.40	8.3	33.63	8.2	25.0	0.55
F15	07 Mar 2019	17	13.99	85.97	8.1	33.60	8.2	25.1	0.60
F15	07 Mar 2019	18	13.68	85.50	7.8	33.60	8.2	25.2	0.62
F15	07 Mar 2019	19	13.35	85.32	7.5	33.59	8.2	25.2	0.58
F15	07 Mar 2019	20	13.30	84.95	7.3	33.58	8.1	25.2	0.54
F15	07 Mar 2019	21	13.37	85.21	7.4	33.58	8.1	25.2	0.55
F15	07 Mar 2019	22	13.26	85.20	7.3	33.59	8.1	25.3	0.58
F15	07 Mar 2019	23	13.18	85.38	7.1	33.59	8.1	25.3	0.59
F15	07 Mar 2019	24	13.09	85.51	7.0	33.60	8.1	25.3	0.58
F15	07 Mar 2019	25	12.98	85.99	6.8	33.60	8.1	25.3	0.58
F15	07 Mar 2019	26	12.91	86.27	6.7	33.60	8.1	25.3	0.57
F15	07 Mar 2019	27	12.85	86.18	6.7	33.60	8.1	25.3	0.57
F15	07 Mar 2019	28	12.85	86.19	6.7	33.60	8.1	25.3	0.55
F15	07 Mar 2019	29	12.83	86.07	6.6	33.61	8.1	25.3	0.55
F15	07 Mar 2019	30	12.83	85.97	6.6	33.61	8.1	25.3	0.57
F15	07 Mar 2019	31	12.75	85.89	6.5	33.62	8.1	25.4	0.54
F15	07 Mar 2019	32	12.66	85.91	6.3	33.62	8.1	25.4	0.63
F15	07 Mar 2019	33	12.59	86.07	6.2	33.62	8.1	25.4	0.51
F15	07 Mar 2019	34	12.50	86.26	6.1	33.63	8.1	25.4	0.50
F15	07 Mar 2019	35	12.27	86.53	5.9	33.64	8.0	25.5	0.46
F15	07 Mar 2019	36	12.22	86.68	5.8	33.63	8.0	25.5	0.44
F15	07 Mar 2019	37	11.98	87.13	5.6	33.65	8.0	25.5	0.48
F15	07 Mar 2019	38	11.90	87.23	5.5	33.64	8.0	25.6	0.41
F15	07 Mar 2019	39	11.88	87.27	5.5	33.64	8.0	25.6	0.38
F15	07 Mar 2019	40	11.84	87.42	5.5	33.64	8.0	25.6	0.40
F15	07 Mar 2019	41	11.83	87.46	5.5	33.64	8.0	25.6	0.46
F15	07 Mar 2019	42	11.81	87.54	5.4	33.64	8.0	25.6	0.51
F15	07 Mar 2019	43	11.80	87.53	5.4	33.64	8.0	25.6	0.46
F15	07 Mar 2019	44	11.78	87.49	5.4	33.65	8.0	25.6	0.40
F15	07 Mar 2019	45	11.71	87.51	5.3	33.66	8.0	25.6	0.42
F15	07 Mar 2019	46	11.61	87.30	5.2	33.67	8.0	25.6	0.37
F15	07 Mar 2019	47	11.60	87.65	5.2	33.67	8.0	25.6	0.36
F15	07 Mar 2019	48	11.47	87.73	5.1	33.68	8.0	25.7	0.35
F15	07 Mar 2019	49	11.42	87.57	5.0	33.68	7.9	25.7	0.33
F15	07 Mar 2019	50	11.34	87.66	5.0	33.69	7.9	25.7	0.34
F15	07 Mar 2019	51	11.25	87.66	4.9	33.70	7.9	25.7	0.35
F15	07 Mar 2019	52	11.15	87.75	4.8	33.71	7.9	25.7	0.33
F15	07 Mar 2019	53	11.03	87.85	4.8	33.71	7.9	25.8	0.33
F15	07 Mar 2019	54	10.99	87.79	4.8	33.72	7.9	25.8	0.35
F15	07 Mar 2019	55	10.87	87.77	4.7	33.73	7.9	25.8	0.33
F15	07 Mar 2019	56	10.87	87.68	4.7	33.73	7.9	25.8	0.32
F15	07 Mar 2019	57	10.83	87.43	4.6	33.74	7.9	25.8	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	07 Mar 2019	58	10.79	87.59	4.6	33.75	7.9	25.8	0.32
F15	07 Mar 2019	59	10.75	87.80	4.6	33.75	7.9	25.8	0.30
F15	07 Mar 2019	60	10.75	87.88	4.6	33.75	7.9	25.8	0.31
F15	07 Mar 2019	61	10.71	87.73	4.5	33.76	7.9	25.9	0.32
F15	07 Mar 2019	62	10.66	88.02	4.5	33.77	7.9	25.9	0.32
F15	07 Mar 2019	63	10.61	87.99	4.4	33.78	7.9	25.9	0.31
F15	07 Mar 2019	64	10.58	87.78	4.3	33.80	7.9	25.9	0.31
F15	07 Mar 2019	65	10.56	87.63	4.2	33.81	7.9	25.9	0.31
F15	07 Mar 2019	66	10.53	87.60	4.1	33.82	7.9	25.9	0.30
F15	07 Mar 2019	67	10.51	87.63	4.1	33.82	7.8	25.9	0.29
F15	07 Mar 2019	68	10.49	87.50	4.0	33.83	7.8	26.0	0.29
F15	07 Mar 2019	69	10.47	87.63	4.0	33.84	7.8	26.0	0.30
F15	07 Mar 2019	70	10.42	87.68	3.9	33.85	7.8	26.0	0.28
F15	07 Mar 2019	71	10.39	87.52	3.8	33.87	7.8	26.0	0.25
F15	07 Mar 2019	72	10.37	86.77	3.8	33.88	7.8	26.0	0.28
F15	07 Mar 2019	73	10.37	86.26	3.7	33.88	7.8	26.0	0.30
F15	07 Mar 2019	74	10.36	85.99	3.7	33.88	7.8	26.0	0.30
F15	07 Mar 2019	75	10.36	85.78	3.7	33.88	7.8	26.0	0.33
F15	07 Mar 2019	76	10.36	85.89	3.6	33.88	7.8	26.0	0.32
F15	07 Mar 2019	77	10.35	85.59	3.6	33.89	7.8	26.0	0.36
F15	07 Mar 2019	78	10.35	85.65	3.6	33.89	7.8	26.0	0.35
F15	07 Mar 2019	79	10.35	85.48	3.6	33.89	7.8	26.0	0.39
F15	07 Mar 2019	80	10.34	85.64	3.6	33.89	7.8	26.0	0.38
F15	07 Mar 2019	81	10.34	85.48	3.6	33.89	7.8	26.0	0.36
F15	07 Mar 2019	82	10.34	85.35	3.6	33.89	7.8	26.0	0.34
F16	07 Mar 2019	1	14.84	83.57	8.8	33.51	8.2	24.9	0.63
F16	07 Mar 2019	2	14.84	83.47	8.7	33.51	8.2	24.9	0.63
F16	07 Mar 2019	3	14.80	83.60	8.6	33.52	8.2	24.9	0.65
F16	07 Mar 2019	4	14.74	83.47	8.7	33.51	8.2	24.9	0.76
F16	07 Mar 2019	5	14.70	83.42	8.7	33.52	8.2	24.9	0.75
F16	07 Mar 2019	6	14.51	83.14	8.6	33.53	8.2	24.9	0.90
F16	07 Mar 2019	7	14.45	83.03	8.7	33.52	8.2	24.9	1.12
F16	07 Mar 2019	8	14.41	83.03	8.6	33.53	8.2	25.0	1.14
F16	07 Mar 2019	9	14.31	82.78	8.6	33.53	8.2	25.0	1.27
F16	07 Mar 2019	10	14.28	82.91	8.6	33.52	8.2	25.0	1.46
F16	07 Mar 2019	11	14.26	82.56	8.5	33.53	8.2	25.0	1.70
F16	07 Mar 2019	12	14.22	82.65	8.4	33.53	8.2	25.0	1.58
F16	07 Mar 2019	13	14.17	82.82	8.5	33.53	8.2	25.0	1.79
F16	07 Mar 2019	14	14.14	82.98	8.4	33.54	8.2	25.0	1.82
F16	07 Mar 2019	15	14.14	82.93	8.4	33.54	8.2	25.0	1.84
F16	07 Mar 2019	16	14.10	83.37	8.4	33.54	8.2	25.0	1.90
F16	07 Mar 2019	17	14.10	83.27	8.3	33.54	8.2	25.0	1.89
F16	07 Mar 2019	18	14.03	83.58	8.3	33.55	8.2	25.1	1.83
F16	07 Mar 2019	19	13.93	83.99	8.1	33.56	8.2	25.1	1.95
F16	07 Mar 2019	20	13.63	84.43	7.6	33.58	8.2	25.2	1.57
F16	07 Mar 2019	21	13.31	85.15	7.3	33.59	8.1	25.2	1.06
F16	07 Mar 2019	22	13.38	85.40	7.3	33.58	8.1	25.2	0.84
F16	07 Mar 2019	23	13.13	85.30	7.1	33.60	8.1	25.3	0.66
F16	07 Mar 2019	24	13.04	85.33	6.9	33.60	8.1	25.3	0.62
F16	07 Mar 2019	25	12.94	85.12	6.8	33.61	8.1	25.3	0.59
F16	07 Mar 2019	26	12.84	84.86	6.7	33.61	8.1	25.3	0.63
F16	07 Mar 2019	27	12.88	85.20	6.6	33.61	8.1	25.3	0.59
F16	07 Mar 2019	28	12.68	85.34	6.4	33.62	8.1	25.4	0.53
F16	07 Mar 2019	29	12.51	85.57	6.2	33.62	8.1	25.4	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	07 Mar 2019	30	12.37	85.70	6.0	33.63	8.0	25.5	0.44
F16	07 Mar 2019	31	12.23	85.98	5.8	33.63	8.0	25.5	0.42
F16	07 Mar 2019	32	12.19	85.94	5.8	33.63	8.0	25.5	0.44
F16	07 Mar 2019	33	12.05	85.93	5.6	33.65	8.0	25.5	0.42
F16	07 Mar 2019	34	11.96	86.36	5.5	33.65	8.0	25.5	0.38
F16	07 Mar 2019	35	11.80	86.62	5.3	33.67	8.0	25.6	0.37
F16	07 Mar 2019	36	11.61	86.97	5.2	33.67	8.0	25.6	0.38
F16	07 Mar 2019	37	11.61	87.02	5.2	33.66	8.0	25.6	0.40
F16	07 Mar 2019	38	11.53	87.04	5.1	33.67	8.0	25.6	0.36
F16	07 Mar 2019	39	11.52	86.98	5.1	33.67	8.0	25.6	0.37
F16	07 Mar 2019	40	11.45	86.61	5.1	33.68	7.9	25.7	0.35
F16	07 Mar 2019	41	11.43	86.67	5.1	33.67	7.9	25.7	0.37
F16	07 Mar 2019	42	11.42	86.70	5.0	33.68	7.9	25.7	0.35
F16	07 Mar 2019	43	11.43	86.78	5.0	33.68	7.9	25.7	0.36
F16	07 Mar 2019	44	11.42	86.78	5.0	33.68	7.9	25.7	0.37
F16	07 Mar 2019	45	11.40	86.94	5.0	33.69	7.9	25.7	0.35
F16	07 Mar 2019	46	11.35	87.77	5.0	33.69	7.9	25.7	0.38
F16	07 Mar 2019	47	11.24	88.11	5.0	33.69	7.9	25.7	0.35
F16	07 Mar 2019	48	11.21	87.95	5.0	33.69	7.9	25.7	0.34
F16	07 Mar 2019	49	11.20	88.07	5.0	33.69	7.9	25.7	0.33
F16	07 Mar 2019	50	11.14	88.06	4.9	33.70	7.9	25.7	0.33
F16	07 Mar 2019	51	11.07	88.05	4.9	33.70	7.9	25.8	0.33
F16	07 Mar 2019	52	11.04	88.14	4.8	33.71	7.9	25.8	0.33
F16	07 Mar 2019	53	10.89	87.77	4.7	33.73	7.9	25.8	0.32
F16	07 Mar 2019	54	10.80	87.35	4.6	33.74	7.9	25.8	0.32
F16	07 Mar 2019	55	10.77	87.76	4.6	33.74	7.9	25.8	0.34
F16	07 Mar 2019	56	10.74	87.86	4.6	33.75	7.9	25.8	0.33
F16	07 Mar 2019	57	10.69	87.66	4.5	33.76	7.9	25.9	0.33
F16	07 Mar 2019	58	10.65	87.56	4.4	33.77	7.9	25.9	0.33
F16	07 Mar 2019	59	10.64	87.70	4.4	33.78	7.9	25.9	0.33
F16	07 Mar 2019	60	10.62	87.71	4.3	33.79	7.9	25.9	0.30
F16	07 Mar 2019	61	10.60	87.77	4.3	33.79	7.9	25.9	0.30
F16	07 Mar 2019	62	10.58	87.56	4.2	33.80	7.9	25.9	0.29
F16	07 Mar 2019	63	10.53	87.51	4.1	33.83	7.8	25.9	0.28
F16	07 Mar 2019	64	10.51	87.48	4.0	33.83	7.8	26.0	0.29
F16	07 Mar 2019	65	10.48	87.28	4.0	33.84	7.8	26.0	0.27
F16	07 Mar 2019	66	10.47	87.49	4.0	33.84	7.8	26.0	0.28
F16	07 Mar 2019	67	10.45	87.51	3.9	33.85	7.8	26.0	0.28
F16	07 Mar 2019	68	10.42	87.34	3.8	33.86	7.8	26.0	0.27
F16	07 Mar 2019	69	10.37	86.96	3.8	33.87	7.8	26.0	0.28
F16	07 Mar 2019	70	10.35	87.21	3.8	33.88	7.8	26.0	0.26
F16	07 Mar 2019	71	10.35	86.95	3.7	33.88	7.8	26.0	0.26
F16	07 Mar 2019	72	10.33	86.86	3.7	33.88	7.8	26.0	0.28
F16	07 Mar 2019	73	10.33	86.64	3.7	33.89	7.8	26.0	0.30
F16	07 Mar 2019	74	10.33	86.50	3.7	33.89	7.8	26.0	0.28
F16	07 Mar 2019	75	10.33	86.24	3.7	33.89	7.8	26.0	0.27
F16	07 Mar 2019	76	10.33	86.55	3.7	33.89	7.8	26.0	0.29
F16	07 Mar 2019	77	10.33	86.38	3.7	33.89	7.8	26.0	0.29
F16	07 Mar 2019	78	10.32	86.24	3.7	33.89	7.8	26.0	0.27
F16	07 Mar 2019	79	10.32	86.24	3.7	33.89	7.8	26.0	0.28
F16	07 Mar 2019	80	10.32	85.96	3.6	33.89	7.8	26.0	0.28
F16	07 Mar 2019	81	10.32	85.49	3.6	33.89	7.8	26.0	0.28
F16	07 Mar 2019	82	10.32	84.33	3.6	33.89	7.8	26.0	0.30
F17	07 Mar 2019	1	14.78	84.14	8.7	33.53	8.2	24.9	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	07 Mar 2019	2	14.76	84.26	8.6	33.54	8.2	24.9	0.58
F17	07 Mar 2019	3	14.48	84.39	8.7	33.55	8.2	25.0	0.61
F17	07 Mar 2019	4	14.45	84.23	8.8	33.53	8.2	25.0	0.71
F17	07 Mar 2019	5	14.44	84.12	8.7	33.53	8.2	25.0	0.83
F17	07 Mar 2019	6	14.43	83.89	8.6	33.53	8.2	25.0	1.04
F17	07 Mar 2019	7	14.43	83.66	8.7	33.53	8.2	25.0	1.19
F17	07 Mar 2019	8	14.43	84.18	8.7	33.53	8.2	25.0	1.15
F17	07 Mar 2019	9	14.35	84.11	8.6	33.54	8.2	25.0	1.26
F17	07 Mar 2019	10	14.29	83.66	8.5	33.55	8.2	25.0	1.65
F17	07 Mar 2019	11	14.09	83.39	8.2	33.57	8.2	25.1	1.52
F17	07 Mar 2019	12	13.94	83.95	8.1	33.55	8.2	25.1	1.50
F17	07 Mar 2019	13	13.75	84.23	7.9	33.58	8.2	25.1	1.63
F17	07 Mar 2019	14	13.52	84.51	7.6	33.58	8.2	25.2	1.66
F17	07 Mar 2019	15	13.35	85.08	7.4	33.59	8.2	25.2	1.62
F17	07 Mar 2019	16	13.19	85.44	7.2	33.59	8.1	25.3	1.48
F17	07 Mar 2019	17	13.16	85.32	7.1	33.59	8.1	25.3	1.20
F17	07 Mar 2019	18	13.08	85.43	7.0	33.60	8.1	25.3	0.87
F17	07 Mar 2019	19	12.96	85.33	6.8	33.61	8.1	25.3	0.78
F17	07 Mar 2019	20	12.85	85.49	6.6	33.61	8.1	25.3	0.64
F17	07 Mar 2019	21	12.68	85.59	6.4	33.63	8.1	25.4	0.61
F17	07 Mar 2019	22	12.54	85.55	6.3	33.62	8.1	25.4	0.91
F17	07 Mar 2019	23	12.52	85.74	6.2	33.62	8.1	25.4	0.74
F17	07 Mar 2019	24	12.44	85.85	6.1	33.63	8.0	25.4	0.55
F17	07 Mar 2019	25	12.33	86.04	5.9	33.64	8.0	25.5	0.50
F17	07 Mar 2019	26	12.15	86.17	5.7	33.65	8.0	25.5	0.47
F17	07 Mar 2019	27	12.15	86.12	5.7	33.64	8.0	25.5	0.46
F17	07 Mar 2019	28	12.04	86.07	5.6	33.66	8.0	25.5	0.44
F17	07 Mar 2019	29	11.88	86.05	5.4	33.67	8.0	25.6	0.43
F17	07 Mar 2019	30	11.73	85.96	5.2	33.67	8.0	25.6	0.40
F17	07 Mar 2019	31	11.63	86.52	5.2	33.67	8.0	25.6	0.38
F17	07 Mar 2019	32	11.58	86.89	5.2	33.67	8.0	25.6	0.39
F17	07 Mar 2019	33	11.56	87.02	5.2	33.67	8.0	25.6	0.38
F17	07 Mar 2019	34	11.54	86.92	5.2	33.67	8.0	25.6	0.40
F17	07 Mar 2019	35	11.52	87.00	5.1	33.67	8.0	25.6	0.38
F17	07 Mar 2019	36	11.46	86.83	5.1	33.68	8.0	25.7	0.37
F17	07 Mar 2019	37	11.47	86.89	5.1	33.67	7.9	25.7	0.38
F17	07 Mar 2019	38	11.43	86.80	5.0	33.68	7.9	25.7	0.37
F17	07 Mar 2019	39	11.42	86.60	5.0	33.68	7.9	25.7	0.35
F17	07 Mar 2019	40	11.43	86.84	5.0	33.69	7.9	25.7	0.35
F17	07 Mar 2019	41	11.40	87.00	4.9	33.70	7.9	25.7	0.33
F17	07 Mar 2019	42	11.31	87.23	4.9	33.70	7.9	25.7	0.37
F17	07 Mar 2019	43	11.32	87.73	5.0	33.69	7.9	25.7	0.35
F17	07 Mar 2019	44	11.25	87.76	4.9	33.70	7.9	25.7	0.39
F17	07 Mar 2019	45	11.23	87.60	4.9	33.70	7.9	25.7	0.37
F17	07 Mar 2019	46	11.23	87.67	4.9	33.70	7.9	25.7	0.35
F17	07 Mar 2019	47	11.19	87.56	4.8	33.70	7.9	25.7	0.36
F17	07 Mar 2019	48	11.15	87.69	4.9	33.70	7.9	25.7	0.37
F17	07 Mar 2019	49	11.15	87.86	4.9	33.70	7.9	25.7	0.35
F17	07 Mar 2019	50	11.12	88.02	4.9	33.70	7.9	25.7	0.35
F17	07 Mar 2019	51	11.10	87.76	4.9	33.70	7.9	25.7	0.36
F17	07 Mar 2019	52	11.02	87.58	4.8	33.71	7.9	25.8	0.34
F17	07 Mar 2019	53	10.99	87.61	4.8	33.72	7.9	25.8	0.34
F17	07 Mar 2019	54	10.94	87.50	4.7	33.73	7.9	25.8	0.35
F17	07 Mar 2019	55	10.84	87.57	4.6	33.74	7.9	25.8	0.33
F17	07 Mar 2019	56	10.79	87.60	4.5	33.75	7.9	25.8	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	07 Mar 2019	57	10.78	87.62	4.5	33.75	7.9	25.8	0.34
F17	07 Mar 2019	58	10.72	87.56	4.4	33.77	7.9	25.9	0.31
F17	07 Mar 2019	59	10.69	87.56	4.3	33.78	7.9	25.9	0.31
F17	07 Mar 2019	60	10.64	87.47	4.2	33.80	7.9	25.9	0.31
F17	07 Mar 2019	61	10.65	87.56	4.2	33.80	7.9	25.9	0.32
F17	07 Mar 2019	62	10.54	87.60	4.1	33.83	7.8	25.9	0.37
F17	07 Mar 2019	63	10.49	87.48	4.0	33.84	7.8	26.0	0.29
F17	07 Mar 2019	64	10.46	87.09	3.9	33.85	7.8	26.0	0.28
F17	07 Mar 2019	65	10.44	86.24	3.9	33.85	7.8	26.0	0.29
F17	07 Mar 2019	66	10.43	85.65	3.9	33.86	7.8	26.0	0.32
F17	07 Mar 2019	67	10.43	85.46	3.8	33.86	7.8	26.0	0.32
F17	07 Mar 2019	68	10.43	85.63	3.8	33.86	7.8	26.0	0.31
F17	07 Mar 2019	69	10.43	85.15	3.8	33.86	7.8	26.0	0.31
F17	07 Mar 2019	70	10.43	84.74	3.8	33.86	7.8	26.0	0.33
F17	07 Mar 2019	71	10.43	84.68	3.8	33.86	7.8	26.0	0.31
F17	07 Mar 2019	72	10.42	84.73	3.8	33.86	7.8	26.0	0.32
F17	07 Mar 2019	73	10.42	85.06	3.8	33.86	7.8	26.0	0.30
F17	07 Mar 2019	74	10.42	84.82	3.8	33.86	7.8	26.0	0.32
F17	07 Mar 2019	75	10.42	85.02	3.8	33.86	7.8	26.0	0.32
F17	07 Mar 2019	76	10.42	85.08	3.8	33.86	7.8	26.0	0.32
F17	07 Mar 2019	77	10.41	84.85	3.8	33.86	7.8	26.0	0.31
F17	07 Mar 2019	78	10.41	84.32	3.8	33.87	7.8	26.0	0.32
F17	07 Mar 2019	79	10.40	84.24	3.8	33.87	7.8	26.0	0.31
F17	07 Mar 2019	80	10.38	83.77	3.7	33.88	7.8	26.0	0.32
F17	07 Mar 2019	81	10.38	79.93	3.7	33.88	7.8	26.0	0.34
F17	07 Mar 2019	82	10.37	78.47	3.7	33.88	7.8	26.0	0.36
F18	07 Mar 2019	1	14.75	83.86	8.7	33.52	8.2	24.9	0.67
F18	07 Mar 2019	2	14.75	83.13	8.7	33.52	8.2	24.9	0.70
F18	07 Mar 2019	3	14.61	83.73	8.6	33.53	8.2	24.9	0.78
F18	07 Mar 2019	4	14.51	83.45	8.7	33.53	8.2	24.9	0.95
F18	07 Mar 2019	5	14.38	83.23	8.5	33.55	8.2	25.0	1.27
F18	07 Mar 2019	6	14.05	83.63	8.3	33.57	8.2	25.1	1.43
F18	07 Mar 2019	7	13.97	83.99	8.2	33.55	8.2	25.1	1.38
F18	07 Mar 2019	8	13.87	83.69	8.1	33.56	8.2	25.1	1.46
F18	07 Mar 2019	9	13.76	84.00	8.0	33.56	8.2	25.1	1.26
F18	07 Mar 2019	10	13.63	84.53	7.8	33.57	8.2	25.2	1.48
F18	07 Mar 2019	11	13.48	84.42	7.5	33.58	8.2	25.2	1.78
F18	07 Mar 2019	12	13.37	84.73	7.4	33.58	8.2	25.2	1.63
F18	07 Mar 2019	13	13.20	84.47	7.2	33.60	8.1	25.3	1.52
F18	07 Mar 2019	14	13.06	85.43	7.0	33.59	8.1	25.3	0.98
F18	07 Mar 2019	15	12.95	85.60	6.8	33.61	8.1	25.3	0.85
F18	07 Mar 2019	16	12.83	85.17	6.6	33.61	8.1	25.4	1.08
F18	07 Mar 2019	17	12.74	85.63	6.5	33.61	8.1	25.4	0.84
F18	07 Mar 2019	18	12.65	85.61	6.4	33.62	8.1	25.4	0.80
F18	07 Mar 2019	19	12.64	86.14	6.3	33.62	8.1	25.4	0.74
F18	07 Mar 2019	20	12.56	85.94	6.2	33.62	8.1	25.4	0.72
F18	07 Mar 2019	21	12.50	85.86	6.2	33.63	8.1	25.4	0.75
F18	07 Mar 2019	22	12.47	86.03	6.0	33.63	8.0	25.4	0.85
F18	07 Mar 2019	23	12.31	86.02	5.9	33.64	8.0	25.5	0.65
F18	07 Mar 2019	24	12.30	85.79	5.9	33.64	8.0	25.5	0.93
F18	07 Mar 2019	25	12.28	85.89	5.9	33.64	8.0	25.5	0.78
F18	07 Mar 2019	26	12.28	86.04	5.8	33.64	8.0	25.5	0.67
F18	07 Mar 2019	27	12.28	86.20	5.8	33.64	8.0	25.5	0.56
F18	07 Mar 2019	28	12.23	85.98	5.8	33.64	8.0	25.5	0.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	07 Mar 2019	29	12.17	85.99	5.7	33.65	8.0	25.5	0.49
F18	07 Mar 2019	30	12.06	85.88	5.5	33.66	8.0	25.5	0.47
F18	07 Mar 2019	31	11.78	86.11	5.4	33.67	8.0	25.6	0.41
F18	07 Mar 2019	32	11.76	86.53	5.3	33.66	8.0	25.6	0.41
F18	07 Mar 2019	33	11.70	86.79	5.3	33.66	8.0	25.6	0.43
F18	07 Mar 2019	34	11.69	86.73	5.2	33.66	8.0	25.6	0.41
F18	07 Mar 2019	35	11.65	87.18	5.2	33.66	8.0	25.6	0.44
F18	07 Mar 2019	36	11.63	87.31	5.2	33.66	8.0	25.6	0.41
F18	07 Mar 2019	37	11.63	87.43	5.2	33.66	8.0	25.6	0.40
F18	07 Mar 2019	38	11.57	87.07	5.2	33.67	8.0	25.6	0.49
F18	07 Mar 2019	39	11.54	87.03	5.1	33.67	7.9	25.6	0.37
F18	07 Mar 2019	40	11.51	86.90	5.0	33.68	7.9	25.7	0.39
F18	07 Mar 2019	41	11.37	86.84	4.9	33.70	7.9	25.7	0.41
F18	07 Mar 2019	42	11.34	87.40	4.9	33.70	7.9	25.7	0.41
F18	07 Mar 2019	43	11.25	87.48	4.9	33.70	7.9	25.7	0.40
F18	07 Mar 2019	44	11.27	87.65	4.9	33.69	7.9	25.7	0.36
F18	07 Mar 2019	45	11.24	87.58	4.9	33.69	7.9	25.7	0.39
F18	07 Mar 2019	46	11.24	87.75	4.9	33.69	7.9	25.7	0.39
F18	07 Mar 2019	47	11.23	87.72	4.9	33.69	7.9	25.7	0.40
F18	07 Mar 2019	48	11.22	87.72	4.9	33.69	7.9	25.7	0.38
F18	07 Mar 2019	49	11.21	87.77	4.9	33.69	7.9	25.7	0.36
F18	07 Mar 2019	50	11.19	87.67	4.9	33.69	7.9	25.7	0.37
F18	07 Mar 2019	51	11.08	87.70	4.8	33.71	7.9	25.8	0.38
F18	07 Mar 2019	52	11.03	87.68	4.8	33.72	7.9	25.8	0.35
F18	07 Mar 2019	53	10.99	87.64	4.7	33.73	7.9	25.8	0.38
F18	07 Mar 2019	54	10.95	87.60	4.7	33.73	7.9	25.8	0.37
F18	07 Mar 2019	55	10.94	87.73	4.6	33.74	7.9	25.8	0.37
F18	07 Mar 2019	56	10.83	87.43	4.5	33.75	7.9	25.8	0.34
F18	07 Mar 2019	57	10.78	87.59	4.4	33.76	7.9	25.9	0.35
F18	07 Mar 2019	58	10.76	87.60	4.4	33.77	7.9	25.9	0.35
F18	07 Mar 2019	59	10.73	87.45	4.3	33.77	7.9	25.9	0.37
F18	07 Mar 2019	60	10.71	87.39	4.2	33.78	7.9	25.9	0.34
F18	07 Mar 2019	61	10.66	87.42	4.2	33.80	7.9	25.9	0.30
F18	07 Mar 2019	62	10.61	87.51	4.1	33.81	7.9	25.9	0.30
F18	07 Mar 2019	63	10.51	86.92	4.0	33.84	7.8	26.0	0.30
F18	07 Mar 2019	64	10.49	87.43	4.0	33.84	7.8	26.0	0.30
F18	07 Mar 2019	65	10.46	87.15	3.9	33.85	7.8	26.0	0.28
F18	07 Mar 2019	66	10.45	86.64	3.9	33.85	7.8	26.0	0.29
F18	07 Mar 2019	67	10.43	85.92	3.9	33.86	7.8	26.0	0.29
F18	07 Mar 2019	68	10.43	85.82	3.8	33.86	7.8	26.0	0.30
F18	07 Mar 2019	69	10.42	85.33	3.8	33.86	7.8	26.0	0.31
F18	07 Mar 2019	70	10.42	85.21	3.8	33.86	7.8	26.0	0.33
F18	07 Mar 2019	71	10.42	85.05	3.8	33.86	7.8	26.0	0.31
F18	07 Mar 2019	72	10.41	84.78	3.8	33.86	7.8	26.0	0.32
F18	07 Mar 2019	73	10.41	84.49	3.8	33.87	7.8	26.0	0.32
F18	07 Mar 2019	74	10.40	84.36	3.8	33.87	7.8	26.0	0.32
F18	07 Mar 2019	75	10.40	83.79	3.7	33.87	7.8	26.0	0.33
F18	07 Mar 2019	76	10.40	83.01	3.7	33.87	7.8	26.0	0.33
F18	07 Mar 2019	77	10.39	81.82	3.7	33.87	7.8	26.0	0.33
F18	07 Mar 2019	78	10.39	82.17	3.7	33.87	7.8	26.0	0.37
F18	07 Mar 2019	79	10.35	80.90	3.6	33.88	7.8	26.0	0.43
F18	07 Mar 2019	80	10.30	79.75	3.5	33.88	7.8	26.0	0.39
F18	07 Mar 2019	81	10.20	82.45	3.3	33.88	7.8	26.0	0.32
F18	07 Mar 2019	82	10.17	84.08	3.2	33.88	7.8	26.0	0.27
F18	07 Mar 2019	83	10.17	83.57	3.2	33.88	7.8	26.0	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	07 Mar 2019	1	14.81	84.13	8.7	33.51	8.2	24.9	0.53
F19	07 Mar 2019	2	14.77	83.97	8.6	33.52	8.2	24.9	0.55
F19	07 Mar 2019	3	14.63	83.52	8.6	33.53	8.2	24.9	0.59
F19	07 Mar 2019	4	14.61	84.07	8.6	33.52	8.2	24.9	0.66
F19	07 Mar 2019	5	14.47	84.25	8.6	33.54	8.2	25.0	0.68
F19	07 Mar 2019	6	14.31	84.25	8.6	33.55	8.2	25.0	0.85
F19	07 Mar 2019	7	14.27	84.25	8.5	33.54	8.2	25.0	0.94
F19	07 Mar 2019	8	14.00	84.10	8.3	33.57	8.2	25.1	1.06
F19	07 Mar 2019	9	13.87	84.06	8.2	33.56	8.2	25.1	1.06
F19	07 Mar 2019	10	13.79	84.14	8.0	33.56	8.2	25.1	1.11
F19	07 Mar 2019	11	13.74	84.02	8.0	33.56	8.2	25.1	1.38
F19	07 Mar 2019	12	13.74	84.49	7.9	33.56	8.2	25.1	1.34
F19	07 Mar 2019	13	13.54	84.86	7.6	33.58	8.2	25.2	1.15
F19	07 Mar 2019	14	13.36	84.87	7.4	33.59	8.2	25.2	0.98
F19	07 Mar 2019	15	13.31	85.38	7.3	33.59	8.1	25.2	1.04
F19	07 Mar 2019	16	13.17	85.28	7.1	33.60	8.1	25.3	0.97
F19	07 Mar 2019	17	12.95	85.09	6.9	33.61	8.1	25.3	0.88
F19	07 Mar 2019	18	12.98	85.72	6.8	33.60	8.1	25.3	0.87
F19	07 Mar 2019	19	12.82	85.62	6.6	33.61	8.1	25.4	0.92
F19	07 Mar 2019	20	12.78	85.63	6.5	33.61	8.1	25.4	0.97
F19	07 Mar 2019	21	12.79	85.70	6.6	33.61	8.1	25.4	0.98
F19	07 Mar 2019	22	12.73	85.50	6.5	33.62	8.1	25.4	1.44
F19	07 Mar 2019	23	12.70	85.92	6.4	33.62	8.1	25.4	1.33
F19	07 Mar 2019	24	12.65	85.63	6.3	33.62	8.1	25.4	1.19
F19	07 Mar 2019	25	12.61	86.02	6.2	33.62	8.1	25.4	0.91
F19	07 Mar 2019	26	12.55	85.66	6.2	33.62	8.1	25.4	0.96
F19	07 Mar 2019	27	12.51	86.10	6.1	33.62	8.0	25.4	0.90
F19	07 Mar 2019	28	12.43	85.93	6.0	33.63	8.0	25.4	0.64
F19	07 Mar 2019	29	12.28	85.79	5.8	33.65	8.0	25.5	0.63
F19	07 Mar 2019	30	12.05	85.91	5.6	33.66	8.0	25.5	0.46
F19	07 Mar 2019	31	11.89	86.31	5.4	33.66	8.0	25.6	0.42
F19	07 Mar 2019	32	11.78	86.64	5.3	33.66	8.0	25.6	0.41
F19	07 Mar 2019	33	11.75	86.73	5.3	33.66	8.0	25.6	0.44
F19	07 Mar 2019	34	11.73	87.02	5.3	33.66	8.0	25.6	0.39
F19	07 Mar 2019	35	11.72	86.99	5.3	33.66	8.0	25.6	0.41
F19	07 Mar 2019	36	11.66	86.94	5.2	33.66	8.0	25.6	0.40
F19	07 Mar 2019	37	11.63	87.16	5.2	33.66	8.0	25.6	0.40
F19	07 Mar 2019	38	11.61	87.11	5.2	33.66	8.0	25.6	0.39
F19	07 Mar 2019	39	11.53	86.94	5.1	33.67	8.0	25.6	0.38
F19	07 Mar 2019	40	11.45	86.80	5.0	33.68	7.9	25.7	0.40
F19	07 Mar 2019	41	11.41	86.68	5.0	33.69	7.9	25.7	0.39
F19	07 Mar 2019	42	11.39	87.08	4.9	33.69	7.9	25.7	0.40
F19	07 Mar 2019	43	11.35	87.40	4.9	33.70	7.9	25.7	0.37
F19	07 Mar 2019	44	11.28	87.50	4.9	33.70	7.9	25.7	0.36
F19	07 Mar 2019	45	11.25	87.29	4.8	33.70	7.9	25.7	0.36
F19	07 Mar 2019	46	11.21	87.38	4.8	33.71	7.9	25.7	0.37
F19	07 Mar 2019	47	11.16	87.40	4.8	33.71	7.9	25.7	0.37
F19	07 Mar 2019	48	11.10	87.39	4.7	33.72	7.9	25.8	0.36
F19	07 Mar 2019	49	11.00	87.45	4.6	33.73	7.9	25.8	0.36
F19	07 Mar 2019	50	10.97	87.44	4.5	33.74	7.9	25.8	0.36
F19	07 Mar 2019	51	10.94	87.40	4.5	33.74	7.9	25.8	0.37
F19	07 Mar 2019	52	10.93	87.49	4.5	33.74	7.9	25.8	0.34
F19	07 Mar 2019	53	10.90	87.42	4.5	33.75	7.9	25.8	0.39
F19	07 Mar 2019	54	10.88	87.22	4.4	33.75	7.9	25.8	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	07 Mar 2019	55	10.86	87.25	4.4	33.75	7.9	25.8	0.33
F19	07 Mar 2019	56	10.83	87.20	4.4	33.76	7.9	25.8	0.33
F19	07 Mar 2019	57	10.81	87.35	4.4	33.77	7.9	25.8	0.36
F19	07 Mar 2019	58	10.77	87.51	4.3	33.78	7.9	25.9	0.37
F19	07 Mar 2019	59	10.74	87.56	4.3	33.78	7.9	25.9	0.32
F19	07 Mar 2019	60	10.73	87.51	4.3	33.79	7.9	25.9	0.33
F19	07 Mar 2019	61	10.69	87.47	4.3	33.80	7.9	25.9	0.32
F19	07 Mar 2019	62	10.64	87.56	4.2	33.80	7.9	25.9	0.33
F19	07 Mar 2019	63	10.60	87.43	4.2	33.81	7.9	25.9	0.39
F19	07 Mar 2019	64	10.56	87.22	4.1	33.82	7.8	25.9	0.34
F19	07 Mar 2019	65	10.55	87.30	4.1	33.82	7.8	25.9	0.30
F19	07 Mar 2019	66	10.53	87.05	4.0	33.82	7.8	25.9	0.31
F19	07 Mar 2019	67	10.51	87.03	4.0	33.82	7.8	25.9	0.32
F19	07 Mar 2019	68	10.52	86.86	4.0	33.83	7.8	25.9	0.31
F19	07 Mar 2019	69	10.51	86.77	4.0	33.83	7.8	25.9	0.32
F19	07 Mar 2019	70	10.46	86.38	3.8	33.83	7.8	26.0	0.33
F19	07 Mar 2019	71	10.38	86.05	3.6	33.81	7.8	26.0	0.33
F19	07 Mar 2019	72	10.34	85.77	3.5	33.81	7.8	26.0	0.27
F19	07 Mar 2019	73	10.33	85.72	3.5	33.81	7.8	26.0	0.25
F19	07 Mar 2019	74	10.32	85.73	3.5	33.82	7.8	26.0	0.25
F19	07 Mar 2019	75	10.34	85.66	3.5	33.83	7.8	26.0	0.25
F19	07 Mar 2019	76	10.32	85.80	3.5	33.84	7.8	26.0	0.26
F19	07 Mar 2019	77	10.33	85.43	3.5	33.85	7.8	26.0	0.26
F19	07 Mar 2019	78	10.31	85.52	3.5	33.86	7.8	26.0	0.26
F19	07 Mar 2019	79	10.29	86.23	3.5	33.87	7.8	26.0	0.25
F19	07 Mar 2019	80	10.29	86.32	3.5	33.87	7.8	26.0	0.23
F19	07 Mar 2019	81	10.28	86.43	3.5	33.88	7.8	26.0	0.23
F19	07 Mar 2019	82	10.23	85.24	3.4	33.90	7.8	26.1	0.26
F19	07 Mar 2019	83	10.22	84.08	3.4	33.91	7.8	26.1	0.29
F19	07 Mar 2019	84	10.20	83.48	3.3	33.92	7.8	26.1	0.32
F20	07 Mar 2019	1	14.72	83.13	8.7	33.53	8.2	24.9	0.45
F20	07 Mar 2019	2	14.73	85.12	8.7	33.53	8.2	24.9	0.46
F20	07 Mar 2019	3	14.69	85.17	8.7	33.53	8.2	24.9	0.50
F20	07 Mar 2019	4	14.65	85.02	8.7	33.52	8.2	24.9	0.58
F20	07 Mar 2019	5	14.63	84.93	8.7	33.52	8.2	24.9	0.63
F20	07 Mar 2019	6	14.63	84.86	8.7	33.52	8.2	24.9	0.69
F20	07 Mar 2019	7	14.62	84.84	8.7	33.52	8.2	24.9	0.74
F20	07 Mar 2019	8	14.61	84.91	8.7	33.52	8.2	24.9	0.75
F20	07 Mar 2019	9	14.47	85.04	8.5	33.55	8.2	25.0	0.79
F20	07 Mar 2019	10	14.28	84.86	8.4	33.54	8.2	25.0	0.82
F20	07 Mar 2019	11	14.08	84.88	8.1	33.57	8.2	25.1	0.85
F20	07 Mar 2019	12	13.79	85.00	7.9	33.59	8.2	25.1	0.88
F20	07 Mar 2019	13	13.60	85.24	7.7	33.58	8.2	25.2	0.89
F20	07 Mar 2019	14	13.51	85.48	7.5	33.59	8.2	25.2	0.87
F20	07 Mar 2019	15	13.43	85.61	7.4	33.59	8.2	25.2	0.80
F20	07 Mar 2019	16	13.40	85.53	7.5	33.58	8.1	25.2	0.81
F20	07 Mar 2019	17	13.36	85.81	7.3	33.59	8.1	25.2	0.89
F20	07 Mar 2019	18	13.18	86.25	7.1	33.60	8.1	25.3	0.86
F20	07 Mar 2019	19	13.15	86.68	7.1	33.60	8.1	25.3	0.76
F20	07 Mar 2019	20	13.03	86.71	6.9	33.60	8.1	25.3	0.70
F20	07 Mar 2019	21	12.94	86.71	6.7	33.61	8.1	25.3	0.62
F20	07 Mar 2019	22	12.92	86.87	6.7	33.60	8.1	25.3	0.59
F20	07 Mar 2019	23	12.83	86.89	6.6	33.61	8.1	25.3	0.60
F20	07 Mar 2019	24	12.80	86.66	6.5	33.61	8.1	25.4	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	07 Mar 2019	25	12.76	87.06	6.4	33.61	8.1	25.4	0.52
F20	07 Mar 2019	26	12.70	87.13	6.3	33.61	8.1	25.4	0.51
F20	07 Mar 2019	27	12.67	86.96	6.3	33.61	8.1	25.4	0.48
F20	07 Mar 2019	28	12.63	87.06	6.3	33.61	8.1	25.4	0.53
F20	07 Mar 2019	29	12.60	87.34	6.2	33.62	8.1	25.4	0.54
F20	07 Mar 2019	30	12.58	87.42	6.2	33.62	8.1	25.4	0.55
F20	07 Mar 2019	31	12.57	87.50	6.2	33.62	8.1	25.4	0.49
F20	07 Mar 2019	32	12.46	87.47	6.0	33.63	8.0	25.4	0.49
F20	07 Mar 2019	33	12.19	87.70	5.8	33.65	8.0	25.5	0.46
F20	07 Mar 2019	34	11.86	87.76	5.6	33.65	8.0	25.6	0.41
F20	07 Mar 2019	35	11.82	88.07	5.4	33.66	8.0	25.6	0.39
F20	07 Mar 2019	36	11.57	88.26	5.3	33.66	8.0	25.6	0.37
F20	07 Mar 2019	37	11.51	88.17	5.2	33.66	8.0	25.6	0.38
F20	07 Mar 2019	38	11.46	88.05	5.2	33.66	8.0	25.6	0.37
F20	07 Mar 2019	39	11.46	88.11	5.2	33.66	8.0	25.7	0.41
F20	07 Mar 2019	40	11.42	88.08	5.2	33.66	8.0	25.7	0.39
F20	07 Mar 2019	41	11.42	88.09	5.2	33.66	8.0	25.7	0.42
F20	07 Mar 2019	42	11.40	88.03	5.2	33.67	8.0	25.7	0.43
F20	07 Mar 2019	43	11.39	87.89	5.2	33.67	8.0	25.7	0.43
F20	07 Mar 2019	44	11.38	87.94	5.2	33.67	7.9	25.7	0.38
F20	07 Mar 2019	45	11.37	87.82	5.2	33.67	7.9	25.7	0.42
F20	07 Mar 2019	46	11.34	87.82	5.1	33.67	7.9	25.7	0.38
F20	07 Mar 2019	47	11.27	87.80	5.0	33.68	7.9	25.7	0.39
F20	07 Mar 2019	48	11.21	87.78	5.0	33.69	7.9	25.7	0.38
F20	07 Mar 2019	49	11.18	87.74	5.0	33.69	7.9	25.7	0.37
F20	07 Mar 2019	50	11.12	87.81	5.0	33.70	7.9	25.7	0.38
F20	07 Mar 2019	51	11.09	87.79	4.9	33.70	7.9	25.7	0.38
F20	07 Mar 2019	52	11.04	87.87	4.9	33.70	7.9	25.8	0.37
F20	07 Mar 2019	53	11.02	88.00	4.9	33.70	7.9	25.8	0.37
F20	07 Mar 2019	54	11.01	87.96	4.9	33.71	7.9	25.8	0.37
F20	07 Mar 2019	55	10.96	88.02	4.8	33.72	7.9	25.8	0.37
F20	07 Mar 2019	56	10.93	87.79	4.8	33.72	7.9	25.8	0.37
F20	07 Mar 2019	57	10.91	87.74	4.8	33.72	7.9	25.8	0.37
F20	07 Mar 2019	58	10.88	88.18	4.8	33.73	7.9	25.8	0.36
F20	07 Mar 2019	59	10.81	86.69	4.6	33.74	7.9	25.8	0.40
F20	07 Mar 2019	60	10.77	84.14	4.4	33.76	7.9	25.8	0.42
F20	07 Mar 2019	61	10.76	84.67	4.3	33.76	7.9	25.8	0.42
F20	07 Mar 2019	62	10.70	86.79	4.3	33.77	7.9	25.9	0.39
F20	07 Mar 2019	63	10.65	85.69	4.2	33.79	7.9	25.9	0.36
F20	07 Mar 2019	64	10.66	86.35	4.2	33.78	7.9	25.9	0.36
F20	07 Mar 2019	65	10.64	86.61	4.2	33.79	7.9	25.9	0.35
F20	07 Mar 2019	66	10.64	86.02	4.2	33.79	7.9	25.9	0.35
F20	07 Mar 2019	67	10.63	86.54	4.2	33.80	7.9	25.9	0.34
F20	07 Mar 2019	68	10.59	85.04	4.0	33.81	7.8	25.9	0.35
F20	07 Mar 2019	69	10.58	83.73	3.9	33.81	7.8	25.9	0.37
F20	07 Mar 2019	70	10.58	83.41	3.9	33.81	7.8	25.9	0.38
F20	07 Mar 2019	71	10.56	82.79	3.8	33.82	7.8	25.9	0.38
F20	07 Mar 2019	72	10.56	82.85	3.8	33.82	7.8	25.9	0.39
F20	07 Mar 2019	73	10.55	83.08	3.8	33.82	7.8	25.9	0.39
F20	07 Mar 2019	74	10.54	82.96	3.8	33.82	7.8	25.9	0.38
F20	07 Mar 2019	75	10.53	83.83	3.8	33.83	7.8	25.9	0.39
F20	07 Mar 2019	76	10.52	84.03	3.8	33.83	7.8	25.9	0.39
F20	07 Mar 2019	77	10.50	83.72	3.7	33.83	7.8	26.0	0.39
F20	07 Mar 2019	78	10.48	83.67	3.7	33.84	7.8	26.0	0.39
F20	07 Mar 2019	79	10.45	83.26	3.6	33.84	7.8	26.0	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	07 Mar 2019	80	10.45	83.02	3.6	33.85	7.8	26.0	0.37
F20	07 Mar 2019	81	10.39	82.63	3.5	33.87	7.8	26.0	0.35
F20	07 Mar 2019	82	10.24	81.74	3.4	33.92	7.8	26.1	0.35
F20	07 Mar 2019	83	10.20	78.40	3.3	33.93	7.8	26.1	0.36
F21	07 Mar 2019	1	15.01	83.60	8.6	33.56	8.2	24.9	0.38
F21	07 Mar 2019	2	15.01	82.97	8.6	33.56	8.2	24.9	0.39
F21	07 Mar 2019	3	14.99	83.50	8.5	33.57	8.2	24.9	0.41
F21	07 Mar 2019	4	14.96	85.01	8.5	33.57	8.2	24.9	0.44
F21	07 Mar 2019	5	14.91	84.81	8.5	33.57	8.2	24.9	0.49
F21	07 Mar 2019	6	14.88	84.70	8.5	33.56	8.2	24.9	0.55
F21	07 Mar 2019	7	14.88	84.66	8.5	33.57	8.2	24.9	0.64
F21	07 Mar 2019	8	14.88	84.64	8.4	33.57	8.2	24.9	0.69
F21	07 Mar 2019	9	14.87	84.60	8.5	33.57	8.2	24.9	0.74
F21	07 Mar 2019	10	14.86	84.75	8.5	33.57	8.2	24.9	0.77
F21	07 Mar 2019	11	14.58	85.92	8.5	33.62	8.2	25.0	0.63
F21	07 Mar 2019	12	14.46	86.75	8.6	33.61	8.2	25.0	0.48
F21	07 Mar 2019	13	14.42	86.62	8.7	33.60	8.2	25.0	0.43
F21	07 Mar 2019	14	14.26	86.05	8.5	33.61	8.2	25.1	0.56
F21	07 Mar 2019	15	14.21	86.16	8.4	33.60	8.2	25.1	0.75
F21	07 Mar 2019	16	14.20	86.08	8.4	33.59	8.2	25.1	0.64
F21	07 Mar 2019	17	14.18	86.10	8.3	33.59	8.2	25.1	0.65
F21	07 Mar 2019	18	14.17	86.01	8.3	33.59	8.2	25.1	0.87
F21	07 Mar 2019	19	14.16	86.03	8.3	33.59	8.2	25.1	0.82
F21	07 Mar 2019	20	14.11	85.89	8.2	33.59	8.2	25.1	0.74
F21	07 Mar 2019	21	13.99	85.50	8.0	33.59	8.2	25.1	0.81
F21	07 Mar 2019	22	13.75	84.85	7.8	33.60	8.2	25.2	0.74
F21	07 Mar 2019	23	13.50	84.91	7.5	33.59	8.2	25.2	0.84
F21	07 Mar 2019	24	13.42	84.78	7.4	33.58	8.2	25.2	0.92
F21	07 Mar 2019	25	13.42	84.91	7.5	33.57	8.1	25.2	1.12
F21	07 Mar 2019	26	13.35	85.08	7.3	33.60	8.1	25.2	1.09
F21	07 Mar 2019	27	13.08	85.77	7.1	33.61	8.1	25.3	1.18
F21	07 Mar 2019	28	13.06	86.12	7.0	33.59	8.1	25.3	1.06
F21	07 Mar 2019	29	13.09	86.22	7.0	33.60	8.1	25.3	0.98
F21	07 Mar 2019	30	12.96	86.22	6.8	33.61	8.1	25.3	0.89
F21	07 Mar 2019	31	12.82	86.43	6.6	33.62	8.1	25.4	0.66
F21	07 Mar 2019	32	12.70	86.51	6.4	33.62	8.1	25.4	0.54
F21	07 Mar 2019	33	12.62	86.86	6.3	33.62	8.1	25.4	0.48
F21	07 Mar 2019	34	12.65	86.90	6.3	33.61	8.1	25.4	0.45
F21	07 Mar 2019	35	12.54	87.07	6.2	33.63	8.1	25.4	0.44
F21	07 Mar 2019	36	12.39	87.05	6.0	33.63	8.0	25.5	0.38
F21	07 Mar 2019	37	12.26	87.04	5.8	33.64	8.0	25.5	0.39
F21	07 Mar 2019	38	12.10	87.35	5.7	33.64	8.0	25.5	0.38
F21	07 Mar 2019	39	12.00	87.64	5.5	33.64	8.0	25.5	0.33
F21	07 Mar 2019	40	11.98	87.59	5.5	33.64	8.0	25.5	0.37
F21	07 Mar 2019	41	11.95	87.51	5.5	33.64	8.0	25.5	0.39
F21	07 Mar 2019	42	11.93	87.63	5.4	33.64	8.0	25.5	0.79
F21	07 Mar 2019	43	11.84	87.62	5.4	33.66	8.0	25.6	0.81
F21	07 Mar 2019	44	11.77	87.72	5.4	33.65	8.0	25.6	0.61
F21	07 Mar 2019	45	11.70	87.74	5.3	33.66	8.0	25.6	0.39
F21	07 Mar 2019	46	11.63	87.76	5.2	33.66	8.0	25.6	0.34
F21	07 Mar 2019	47	11.47	87.77	5.1	33.69	8.0	25.7	0.33
F21	07 Mar 2019	48	11.35	87.84	5.1	33.68	7.9	25.7	0.34
F21	07 Mar 2019	49	11.33	87.95	5.0	33.68	7.9	25.7	0.35
F21	07 Mar 2019	50	11.27	87.90	5.0	33.69	7.9	25.7	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	07 Mar 2019	51	11.29	87.80	5.0	33.68	7.9	25.7	0.36
F21	07 Mar 2019	52	11.27	87.93	5.0	33.69	7.9	25.7	0.35
F21	07 Mar 2019	53	11.25	87.82	5.0	33.69	7.9	25.7	0.36
F21	07 Mar 2019	54	11.19	87.71	5.0	33.69	7.9	25.7	0.38
F21	07 Mar 2019	55	11.15	88.01	4.9	33.69	7.9	25.7	0.35
F21	07 Mar 2019	56	11.14	87.82	5.0	33.70	7.9	25.7	0.35
F21	07 Mar 2019	57	11.11	87.92	5.0	33.70	7.9	25.7	0.37
F21	07 Mar 2019	58	11.09	87.96	4.9	33.70	7.9	25.7	0.38
F21	07 Mar 2019	59	11.05	87.96	4.9	33.71	7.9	25.8	0.34
F21	07 Mar 2019	60	10.96	87.51	4.8	33.72	7.9	25.8	0.31
F21	07 Mar 2019	61	10.97	87.83	4.8	33.71	7.9	25.8	0.32
F21	07 Mar 2019	62	10.91	88.03	4.8	33.72	7.9	25.8	0.32
F21	07 Mar 2019	63	10.89	87.37	4.7	33.72	7.9	25.8	0.30
F21	07 Mar 2019	64	10.85	87.41	4.7	33.73	7.9	25.8	0.32
F21	07 Mar 2019	65	10.82	87.29	4.6	33.73	7.9	25.8	0.32
F21	07 Mar 2019	66	10.78	86.01	4.5	33.75	7.9	25.8	0.32
F21	07 Mar 2019	67	10.76	85.00	4.3	33.76	7.9	25.8	0.30
F21	07 Mar 2019	68	10.75	85.00	4.3	33.76	7.9	25.9	0.32
F21	07 Mar 2019	69	10.77	85.14	4.3	33.76	7.9	25.8	0.31
F21	07 Mar 2019	70	10.75	85.15	4.3	33.76	7.9	25.9	0.32
F21	07 Mar 2019	71	10.74	85.05	4.3	33.76	7.9	25.9	0.31
F21	07 Mar 2019	72	10.74	84.90	4.2	33.76	7.9	25.9	0.30
F21	07 Mar 2019	73	10.73	84.40	4.2	33.77	7.9	25.9	0.32
F21	07 Mar 2019	74	10.71	83.70	4.1	33.77	7.8	25.9	0.33
F21	07 Mar 2019	75	10.68	83.97	4.0	33.78	7.8	25.9	0.30
F21	07 Mar 2019	76	10.68	84.15	4.0	33.78	7.8	25.9	0.32
F21	07 Mar 2019	77	10.66	84.04	4.0	33.79	7.8	25.9	0.31
F21	07 Mar 2019	78	10.64	83.69	3.9	33.80	7.8	25.9	0.30
F21	07 Mar 2019	79	10.56	82.13	3.7	33.82	7.8	25.9	0.32
F21	07 Mar 2019	80	10.47	80.42	3.6	33.84	7.8	26.0	0.33
F21	07 Mar 2019	81	10.44	78.39	3.5	33.84	7.8	26.0	0.33
F21	07 Mar 2019	82	10.38	77.65	3.4	33.86	7.8	26.0	0.32
F21	07 Mar 2019	83	10.35	77.15	3.4	33.87	7.8	26.0	0.32
F21	07 Mar 2019	84	10.31	77.19	3.4	33.89	7.8	26.0	0.34
F21	07 Mar 2019	85	10.30	77.39	3.4	33.89	7.8	26.0	0.36
F22	07 Mar 2019	1	15.01	84.62	8.6	33.56	8.2	24.9	0.42
F22	07 Mar 2019	2	14.98	84.58	8.6	33.56	8.2	24.9	0.43
F22	07 Mar 2019	3	14.89	84.49	8.5	33.56	8.2	24.9	0.46
F22	07 Mar 2019	4	14.87	84.16	8.5	33.56	8.2	24.9	0.49
F22	07 Mar 2019	5	14.86	84.09	8.6	33.56	8.2	24.9	0.51
F22	07 Mar 2019	6	14.83	84.34	8.5	33.57	8.2	24.9	0.54
F22	07 Mar 2019	7	14.78	84.74	8.6	33.58	8.2	24.9	0.51
F22	07 Mar 2019	8	14.77	85.24	8.7	33.59	8.2	24.9	0.49
F22	07 Mar 2019	9	14.76	85.44	8.6	33.59	8.2	24.9	0.50
F22	07 Mar 2019	10	14.70	85.65	8.6	33.60	8.2	25.0	0.50
F22	07 Mar 2019	11	14.50	86.17	8.8	33.61	8.2	25.0	0.44
F22	07 Mar 2019	12	14.41	86.86	8.6	33.61	8.2	25.0	0.38
F22	07 Mar 2019	13	14.19	86.37	8.4	33.60	8.2	25.1	0.46
F22	07 Mar 2019	14	14.05	86.03	8.2	33.62	8.2	25.1	0.56
F22	07 Mar 2019	15	13.79	86.14	7.9	33.61	8.2	25.2	0.62
F22	07 Mar 2019	16	13.68	86.03	7.7	33.60	8.2	25.2	0.66
F22	07 Mar 2019	17	13.62	85.58	7.7	33.59	8.2	25.2	0.69
F22	07 Mar 2019	18	13.55	85.29	7.6	33.59	8.2	25.2	0.71
F22	07 Mar 2019	19	13.49	85.00	7.5	33.59	8.2	25.2	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	07 Mar 2019	20	13.40	85.19	7.3	33.59	8.1	25.2	0.64
F22	07 Mar 2019	21	13.28	85.32	7.2	33.60	8.1	25.3	0.83
F22	07 Mar 2019	22	13.19	85.79	7.1	33.60	8.1	25.3	0.65
F22	07 Mar 2019	23	13.15	86.33	7.0	33.60	8.1	25.3	0.64
F22	07 Mar 2019	24	13.08	86.54	6.9	33.60	8.1	25.3	0.63
F22	07 Mar 2019	25	13.03	86.47	6.8	33.60	8.1	25.3	0.58
F22	07 Mar 2019	26	12.95	86.13	6.7	33.60	8.1	25.3	0.51
F22	07 Mar 2019	27	12.92	85.86	6.6	33.60	8.1	25.3	0.50
F22	07 Mar 2019	28	12.81	85.34	6.5	33.60	8.1	25.4	0.52
F22	07 Mar 2019	29	12.77	85.59	6.5	33.61	8.1	25.4	0.50
F22	07 Mar 2019	30	12.69	85.85	6.4	33.61	8.1	25.4	0.51
F22	07 Mar 2019	31	12.66	85.77	6.3	33.61	8.1	25.4	0.50
F22	07 Mar 2019	32	12.47	85.67	6.2	33.64	8.1	25.4	0.49
F22	07 Mar 2019	33	12.34	85.52	6.0	33.63	8.0	25.5	0.47
F22	07 Mar 2019	34	12.32	85.41	5.9	33.63	8.0	25.5	0.48
F22	07 Mar 2019	35	12.25	85.52	5.8	33.64	8.0	25.5	0.43
F22	07 Mar 2019	36	12.15	86.21	5.7	33.65	8.0	25.5	0.42
F22	07 Mar 2019	37	11.98	87.22	5.6	33.65	8.0	25.5	0.53
F22	07 Mar 2019	38	11.92	87.19	5.5	33.65	8.0	25.6	0.51
F22	07 Mar 2019	39	11.74	87.25	5.3	33.67	8.0	25.6	0.43
F22	07 Mar 2019	40	11.62	87.44	5.2	33.67	8.0	25.6	0.35
F22	07 Mar 2019	41	11.54	87.60	5.2	33.67	8.0	25.6	0.33
F22	07 Mar 2019	42	11.59	87.63	5.2	33.67	8.0	25.6	0.33
F22	07 Mar 2019	43	11.48	87.56	5.1	33.67	7.9	25.7	0.32
F22	07 Mar 2019	44	11.46	87.57	5.1	33.67	7.9	25.7	0.33
F22	07 Mar 2019	45	11.45	87.47	5.1	33.67	7.9	25.7	0.32
F22	07 Mar 2019	46	11.44	87.57	5.1	33.68	7.9	25.7	0.40
F22	07 Mar 2019	47	11.43	87.52	5.0	33.68	7.9	25.7	0.37
F22	07 Mar 2019	48	11.36	87.63	5.0	33.69	7.9	25.7	0.35
F22	07 Mar 2019	49	11.18	87.41	4.8	33.71	7.9	25.7	0.34
F22	07 Mar 2019	50	11.10	87.42	4.8	33.71	7.9	25.8	0.32
F22	07 Mar 2019	51	11.07	87.41	4.8	33.71	7.9	25.8	0.32
F22	07 Mar 2019	52	11.01	87.58	4.7	33.72	7.9	25.8	0.32
F22	07 Mar 2019	53	10.94	87.52	4.6	33.73	7.9	25.8	0.32
F22	07 Mar 2019	54	10.97	87.32	4.6	33.72	7.9	25.8	0.30
F22	07 Mar 2019	55	10.91	87.29	4.6	33.73	7.9	25.8	0.32
F22	07 Mar 2019	56	10.90	87.29	4.6	33.73	7.9	25.8	0.30
F22	07 Mar 2019	57	10.89	87.15	4.5	33.73	7.9	25.8	0.29
F22	07 Mar 2019	58	10.88	86.95	4.5	33.73	7.9	25.8	0.30
F22	07 Mar 2019	59	10.85	86.78	4.5	33.74	7.9	25.8	0.30
F22	07 Mar 2019	60	10.81	86.26	4.4	33.75	7.9	25.8	0.29
F22	07 Mar 2019	61	10.79	85.59	4.3	33.75	7.9	25.8	0.29
F22	07 Mar 2019	62	10.79	85.47	4.3	33.75	7.9	25.8	0.31
F22	07 Mar 2019	63	10.79	85.29	4.3	33.75	7.9	25.8	0.31
F22	07 Mar 2019	64	10.78	84.99	4.3	33.76	7.9	25.8	0.31
F22	07 Mar 2019	65	10.78	84.87	4.3	33.76	7.9	25.8	0.31
F22	07 Mar 2019	66	10.78	84.81	4.2	33.76	7.9	25.8	0.30
F22	07 Mar 2019	67	10.78	84.86	4.2	33.76	7.9	25.8	0.29
F22	07 Mar 2019	68	10.77	84.72	4.2	33.76	7.9	25.8	0.32
F22	07 Mar 2019	69	10.77	84.63	4.2	33.76	7.9	25.8	0.31
F22	07 Mar 2019	70	10.78	84.26	4.2	33.76	7.9	25.9	0.33
F22	07 Mar 2019	71	10.78	83.94	4.1	33.76	7.8	25.9	0.31
F22	07 Mar 2019	72	10.78	83.80	4.1	33.76	7.8	25.9	0.30
F22	07 Mar 2019	73	10.77	83.89	4.1	33.76	7.8	25.9	0.30
F22	07 Mar 2019	74	10.76	84.25	4.1	33.77	7.8	25.9	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	07 Mar 2019	75	10.75	84.48	4.1	33.77	7.8	25.9	0.29
F22	07 Mar 2019	76	10.74	84.58	4.1	33.77	7.8	25.9	0.29
F22	07 Mar 2019	77	10.71	84.71	4.0	33.77	7.8	25.9	0.30
F22	07 Mar 2019	78	10.61	83.16	3.8	33.79	7.8	25.9	0.29
F22	07 Mar 2019	79	10.52	78.47	3.5	33.81	7.8	25.9	0.30
F22	07 Mar 2019	80	10.47	73.43	3.4	33.83	7.8	26.0	0.35
F22	07 Mar 2019	81	10.43	72.75	3.4	33.85	7.8	26.0	0.39
F22	07 Mar 2019	82	10.40	70.97	3.4	33.86	7.8	26.0	0.37
F23	07 Mar 2019	1	14.88	83.47	8.6	33.57	8.2	24.9	0.40
F23	07 Mar 2019	2	14.85	82.75	8.6	33.58	8.2	24.9	0.39
F23	07 Mar 2019	3	14.80	85.02	8.6	33.58	8.2	24.9	0.41
F23	07 Mar 2019	4	14.72	85.16	8.7	33.58	8.2	24.9	0.41
F23	07 Mar 2019	5	14.61	85.87	8.9	33.58	8.3	25.0	0.40
F23	07 Mar 2019	6	14.57	86.03	8.9	33.58	8.3	25.0	0.39
F23	07 Mar 2019	7	14.57	85.45	8.9	33.58	8.3	25.0	0.38
F23	07 Mar 2019	8	14.58	85.86	8.9	33.58	8.3	25.0	0.40
F23	07 Mar 2019	9	14.57	85.97	8.9	33.59	8.3	25.0	0.47
F23	07 Mar 2019	10	14.58	86.04	8.9	33.59	8.3	25.0	0.49
F23	07 Mar 2019	11	14.58	86.06	8.9	33.59	8.3	25.0	0.52
F23	07 Mar 2019	12	14.53	86.15	8.9	33.60	8.3	25.0	0.52
F23	07 Mar 2019	13	14.32	86.91	9.0	33.60	8.2	25.0	0.48
F23	07 Mar 2019	14	14.27	86.92	9.0	33.61	8.3	25.1	0.45
F23	07 Mar 2019	15	14.17	86.64	8.9	33.60	8.2	25.1	0.49
F23	07 Mar 2019	16	14.15	86.73	8.9	33.60	8.2	25.1	0.58
F23	07 Mar 2019	17	14.17	86.76	8.9	33.60	8.2	25.1	0.57
F23	07 Mar 2019	18	14.12	86.67	8.6	33.61	8.2	25.1	0.58
F23	07 Mar 2019	19	13.78	86.40	8.2	33.62	8.2	25.2	0.74
F23	07 Mar 2019	20	13.68	86.44	7.8	33.61	8.2	25.2	0.90
F23	07 Mar 2019	21	13.60	86.95	7.7	33.60	8.2	25.2	0.95
F23	07 Mar 2019	22	13.56	87.02	7.6	33.60	8.2	25.2	1.06
F23	07 Mar 2019	23	13.44	86.89	7.5	33.60	8.2	25.2	1.01
F23	07 Mar 2019	24	13.42	87.23	7.4	33.59	8.1	25.2	1.14
F23	07 Mar 2019	25	13.25	86.91	7.3	33.61	8.1	25.3	1.00
F23	07 Mar 2019	26	13.08	86.92	7.1	33.60	8.1	25.3	0.87
F23	07 Mar 2019	27	12.98	87.30	7.0	33.61	8.1	25.3	0.79
F23	07 Mar 2019	28	12.96	87.28	7.0	33.60	8.1	25.3	1.02
F23	07 Mar 2019	29	12.85	87.37	6.9	33.61	8.1	25.3	0.83
F23	07 Mar 2019	30	12.72	88.06	6.6	33.61	8.1	25.4	1.23
F23	07 Mar 2019	31	12.36	88.05	6.3	33.61	8.1	25.4	0.77
F23	07 Mar 2019	32	12.27	88.28	6.2	33.59	8.0	25.4	0.57
F23	07 Mar 2019	33	12.27	88.39	6.2	33.59	8.0	25.4	0.63
F23	07 Mar 2019	34	12.26	88.12	6.2	33.59	8.0	25.4	0.54
F23	07 Mar 2019	35	12.26	87.63	6.1	33.60	8.0	25.4	0.43
F23	07 Mar 2019	36	12.21	87.16	6.0	33.61	8.0	25.5	0.42
F23	07 Mar 2019	37	12.13	86.98	5.9	33.62	8.0	25.5	0.40
F23	07 Mar 2019	38	12.11	86.53	5.8	33.62	8.0	25.5	0.38
F23	07 Mar 2019	39	12.03	85.93	5.7	33.63	8.0	25.5	0.36
F23	07 Mar 2019	40	11.98	85.69	5.6	33.64	8.0	25.5	0.34
F23	07 Mar 2019	41	11.88	85.47	5.5	33.65	8.0	25.6	0.33
F23	07 Mar 2019	42	11.75	85.65	5.4	33.66	8.0	25.6	0.35
F23	07 Mar 2019	43	11.63	86.02	5.2	33.67	8.0	25.6	0.33
F23	07 Mar 2019	44	11.50	86.06	5.1	33.67	7.9	25.7	0.31
F23	07 Mar 2019	45	11.45	85.50	5.0	33.68	7.9	25.7	0.30
F23	07 Mar 2019	46	11.39	85.49	4.9	33.69	7.9	25.7	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	07 Mar 2019	47	11.36	85.68	4.9	33.69	7.9	25.7	0.31
F23	07 Mar 2019	48	11.28	85.80	4.8	33.71	7.9	25.7	0.32
F23	07 Mar 2019	49	11.29	86.03	4.8	33.70	7.9	25.7	0.30
F23	07 Mar 2019	50	11.17	85.91	4.7	33.72	7.9	25.7	0.33
F23	07 Mar 2019	51	11.11	86.48	4.7	33.71	7.9	25.8	0.33
F23	07 Mar 2019	52	11.06	86.70	4.6	33.72	7.9	25.8	0.31
F23	07 Mar 2019	53	11.06	86.92	4.6	33.72	7.9	25.8	0.30
F23	07 Mar 2019	54	11.00	87.11	4.5	33.72	7.9	25.8	0.29
F23	07 Mar 2019	55	10.97	87.08	4.5	33.72	7.9	25.8	0.30
F23	07 Mar 2019	56	10.96	87.06	4.5	33.72	7.9	25.8	0.28
F23	07 Mar 2019	57	10.94	86.85	4.4	33.72	7.9	25.8	0.29
F23	07 Mar 2019	58	10.90	87.00	4.4	33.73	7.9	25.8	0.28
F23	07 Mar 2019	59	10.90	86.93	4.4	33.73	7.9	25.8	0.28
F23	07 Mar 2019	60	10.90	86.46	4.3	33.73	7.9	25.8	0.27
F23	07 Mar 2019	61	10.89	86.06	4.3	33.74	7.9	25.8	0.26
F23	07 Mar 2019	62	10.87	85.67	4.2	33.75	7.9	25.8	0.28
F23	07 Mar 2019	63	10.86	85.38	4.2	33.75	7.9	25.8	0.27
F23	07 Mar 2019	64	10.82	85.29	4.2	33.75	7.9	25.8	0.30
F23	07 Mar 2019	65	10.80	85.40	4.2	33.75	7.9	25.8	0.28
F23	07 Mar 2019	66	10.80	85.44	4.2	33.75	7.8	25.8	0.26
F23	07 Mar 2019	67	10.79	85.51	4.2	33.75	7.9	25.8	0.26
F23	07 Mar 2019	68	10.78	85.41	4.2	33.75	7.8	25.8	0.26
F23	07 Mar 2019	69	10.77	85.42	4.1	33.75	7.8	25.8	0.25
F23	07 Mar 2019	70	10.75	85.50	4.1	33.75	7.8	25.8	0.25
F23	07 Mar 2019	71	10.75	85.61	4.1	33.75	7.8	25.8	0.27
F23	07 Mar 2019	72	10.71	85.65	4.0	33.75	7.8	25.9	0.27
F23	07 Mar 2019	73	10.70	85.57	4.0	33.76	7.8	25.9	0.24
F23	07 Mar 2019	74	10.72	85.29	4.0	33.76	7.8	25.9	0.24
F23	07 Mar 2019	75	10.74	84.88	4.1	33.78	7.8	25.9	0.29
F23	07 Mar 2019	76	10.71	84.75	4.1	33.79	7.8	25.9	0.27
F23	07 Mar 2019	77	10.70	84.19	4.0	33.79	7.8	25.9	0.25
F23	07 Mar 2019	78	10.67	83.62	4.0	33.80	7.8	25.9	0.27
F23	07 Mar 2019	79	10.58	82.06	3.8	33.84	7.8	25.9	0.26
F23	07 Mar 2019	80	10.46	80.86	3.7	33.87	7.8	26.0	0.28
F23	07 Mar 2019	81	10.42	81.33	3.6	33.88	7.8	26.0	0.28
F23	07 Mar 2019	82	10.33	81.05	3.5	33.90	7.8	26.0	0.27
F23	07 Mar 2019	83	10.27	81.34	3.5	33.91	7.8	26.1	0.25
F24	07 Mar 2019	1	14.59	86.75	8.9	33.57	8.3	25.0	0.25
F24	07 Mar 2019	2	14.57	86.70	8.9	33.58	8.3	25.0	0.23
F24	07 Mar 2019	3	14.52	86.53	8.9	33.58	8.3	25.0	0.24
F24	07 Mar 2019	4	14.51	86.33	8.9	33.57	8.3	25.0	0.28
F24	07 Mar 2019	5	14.50	86.16	8.9	33.57	8.3	25.0	0.31
F24	07 Mar 2019	6	14.50	86.23	8.9	33.57	8.3	25.0	0.33
F24	07 Mar 2019	7	14.50	86.12	8.9	33.57	8.3	25.0	0.37
F24	07 Mar 2019	8	14.50	86.14	8.9	33.58	8.3	25.0	0.39
F24	07 Mar 2019	9	14.50	86.28	9.0	33.58	8.3	25.0	0.38
F24	07 Mar 2019	10	14.48	86.18	9.1	33.59	8.3	25.0	0.38
F24	07 Mar 2019	11	14.46	86.21	9.1	33.59	8.3	25.0	0.38
F24	07 Mar 2019	12	14.35	86.40	9.0	33.60	8.3	25.0	0.39
F24	07 Mar 2019	13	14.26	86.20	9.1	33.60	8.3	25.0	0.38
F24	07 Mar 2019	14	14.29	86.30	9.2	33.59	8.3	25.0	0.38
F24	07 Mar 2019	15	14.20	86.00	9.2	33.60	8.3	25.1	0.40
F24	07 Mar 2019	16	14.13	85.89	9.2	33.60	8.3	25.1	0.45
F24	07 Mar 2019	17	14.05	86.44	9.2	33.59	8.2	25.1	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	07 Mar 2019	18	13.92	86.29	9.0	33.61	8.2	25.1	0.53
F24	07 Mar 2019	19	13.77	86.01	8.8	33.61	8.2	25.2	0.70
F24	07 Mar 2019	20	13.58	86.14	8.3	33.62	8.2	25.2	0.80
F24	07 Mar 2019	21	13.37	86.68	7.9	33.61	8.2	25.2	0.96
F24	07 Mar 2019	22	13.33	86.89	7.8	33.60	8.2	25.2	1.18
F24	07 Mar 2019	23	13.28	87.02	7.7	33.61	8.1	25.3	1.02
F24	07 Mar 2019	24	13.19	86.85	7.6	33.61	8.1	25.3	1.31
F24	07 Mar 2019	25	13.12	86.55	7.4	33.61	8.1	25.3	1.31
F24	07 Mar 2019	26	13.01	87.21	7.3	33.61	8.1	25.3	1.20
F24	07 Mar 2019	27	13.03	87.40	7.2	33.61	8.1	25.3	1.05
F24	07 Mar 2019	28	12.89	87.51	7.0	33.62	8.1	25.3	1.12
F24	07 Mar 2019	29	12.88	87.37	6.9	33.61	8.1	25.3	1.07
F24	07 Mar 2019	30	12.67	87.72	6.6	33.63	8.1	25.4	0.95
F24	07 Mar 2019	31	12.42	88.14	6.4	33.61	8.0	25.4	0.63
F24	07 Mar 2019	32	12.39	88.46	6.3	33.60	8.0	25.4	0.62
F24	07 Mar 2019	33	12.16	88.51	6.1	33.62	8.0	25.5	0.51
F24	07 Mar 2019	34	12.01	88.73	6.1	33.60	8.0	25.5	0.53
F24	07 Mar 2019	35	12.02	88.66	6.1	33.59	8.0	25.5	0.42
F24	07 Mar 2019	36	11.91	88.32	6.0	33.61	8.0	25.5	0.47
F24	07 Mar 2019	37	11.74	88.59	5.9	33.61	8.0	25.6	0.68
F24	07 Mar 2019	38	11.73	88.20	5.8	33.62	8.0	25.6	0.49
F24	07 Mar 2019	39	11.75	88.40	5.7	33.62	8.0	25.6	0.44
F24	07 Mar 2019	40	11.71	87.40	5.6	33.64	8.0	25.6	0.38
F24	07 Mar 2019	41	11.72	87.05	5.5	33.64	8.0	25.6	0.37
F24	07 Mar 2019	42	11.64	86.19	5.3	33.66	8.0	25.6	0.34
F24	07 Mar 2019	43	11.59	86.10	5.2	33.66	7.9	25.6	0.32
F24	07 Mar 2019	44	11.41	86.23	5.1	33.69	7.9	25.7	0.30
F24	07 Mar 2019	45	11.33	86.49	5.0	33.69	7.9	25.7	0.30
F24	07 Mar 2019	46	11.27	86.46	4.9	33.69	7.9	25.7	0.29
F24	07 Mar 2019	47	11.25	86.26	4.9	33.69	7.9	25.7	0.28
F24	07 Mar 2019	48	11.19	86.03	4.8	33.71	7.9	25.7	0.28
F24	07 Mar 2019	49	11.17	85.89	4.8	33.71	7.9	25.7	0.28
F24	07 Mar 2019	50	11.15	85.88	4.7	33.71	7.9	25.7	0.28
F24	07 Mar 2019	51	11.07	85.66	4.6	33.73	7.9	25.8	0.27
F24	07 Mar 2019	52	11.06	85.76	4.6	33.72	7.9	25.8	0.27
F24	07 Mar 2019	53	11.03	85.56	4.6	33.73	7.9	25.8	0.28
F24	07 Mar 2019	54	10.99	85.36	4.5	33.74	7.9	25.8	0.27
F24	07 Mar 2019	55	10.97	85.24	4.4	33.75	7.9	25.8	0.28
F24	07 Mar 2019	56	10.97	85.25	4.4	33.75	7.9	25.8	0.28
F24	07 Mar 2019	57	10.97	85.27	4.4	33.75	7.9	25.8	0.30
F24	07 Mar 2019	58	10.95	85.36	4.4	33.76	7.9	25.8	0.30
F24	07 Mar 2019	59	10.93	85.35	4.4	33.76	7.9	25.8	0.32
F24	07 Mar 2019	60	10.92	85.17	4.3	33.76	7.9	25.8	0.29
F24	07 Mar 2019	61	10.91	85.05	4.3	33.76	7.9	25.8	0.28
F24	07 Mar 2019	62	10.90	85.17	4.3	33.76	7.9	25.8	0.28
F24	07 Mar 2019	63	10.90	85.22	4.3	33.76	7.9	25.8	0.29
F24	07 Mar 2019	64	10.88	84.88	4.3	33.77	7.9	25.8	0.29
F24	07 Mar 2019	65	10.88	85.05	4.3	33.77	7.9	25.8	0.27
F24	07 Mar 2019	66	10.87	84.95	4.3	33.77	7.9	25.8	0.26
F24	07 Mar 2019	67	10.86	84.55	4.2	33.78	7.8	25.8	0.29
F24	07 Mar 2019	68	10.83	83.40	4.1	33.78	7.8	25.9	0.29
F24	07 Mar 2019	69	10.80	81.47	4.0	33.79	7.8	25.9	0.29
F24	07 Mar 2019	70	10.80	80.77	4.0	33.79	7.8	25.9	0.29
F24	07 Mar 2019	71	10.72	79.83	3.9	33.81	7.8	25.9	0.30
F24	07 Mar 2019	72	10.70	79.45	3.9	33.81	7.8	25.9	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	07 Mar 2019	73	10.67	78.98	3.8	33.82	7.8	25.9	0.32
F24	07 Mar 2019	74	10.62	76.86	3.7	33.83	7.8	25.9	0.32
F24	07 Mar 2019	75	10.59	76.70	3.7	33.83	7.8	25.9	0.35
F24	07 Mar 2019	76	10.57	77.59	3.7	33.84	7.8	25.9	0.33
F24	07 Mar 2019	77	10.54	78.00	3.7	33.84	7.8	26.0	0.32
F24	07 Mar 2019	78	10.52	78.14	3.7	33.84	7.8	26.0	0.33
F24	07 Mar 2019	79	10.49	78.17	3.7	33.85	7.8	26.0	0.34
F24	07 Mar 2019	80	10.42	78.02	3.7	33.86	7.8	26.0	0.29
F24	07 Mar 2019	81	10.36	79.47	3.6	33.88	7.8	26.0	0.33
F24	07 Mar 2019	82	10.34	79.99	3.6	33.88	7.8	26.0	0.31
F24	07 Mar 2019	83	10.35	79.86	3.6	33.88	7.8	26.0	0.28
F25	07 Mar 2019	1	14.52	86.20	9.1	33.57	8.3	25.0	0.21
F25	07 Mar 2019	2	14.49	85.88	9.0	33.57	8.3	25.0	0.22
F25	07 Mar 2019	3	14.47	86.22	9.1	33.57	8.3	25.0	0.24
F25	07 Mar 2019	4	14.47	86.21	9.0	33.57	8.3	25.0	0.25
F25	07 Mar 2019	5	14.46	85.91	8.9	33.57	8.3	25.0	0.26
F25	07 Mar 2019	6	14.45	85.75	9.0	33.57	8.3	25.0	0.29
F25	07 Mar 2019	7	14.45	85.99	9.0	33.57	8.3	25.0	0.29
F25	07 Mar 2019	8	14.45	86.00	9.0	33.57	8.3	25.0	0.31
F25	07 Mar 2019	9	14.44	85.78	9.0	33.57	8.3	25.0	0.34
F25	07 Mar 2019	10	14.44	86.10	9.0	33.57	8.3	25.0	0.37
F25	07 Mar 2019	11	14.43	86.20	9.1	33.57	8.3	25.0	0.40
F25	07 Mar 2019	12	14.42	86.36	9.0	33.58	8.3	25.0	0.41
F25	07 Mar 2019	13	14.40	86.50	9.1	33.58	8.3	25.0	0.40
F25	07 Mar 2019	14	14.39	86.78	9.1	33.58	8.3	25.0	0.39
F25	07 Mar 2019	15	14.37	86.82	9.2	33.58	8.3	25.0	0.38
F25	07 Mar 2019	16	14.32	86.85	9.2	33.58	8.3	25.0	0.35
F25	07 Mar 2019	17	14.30	86.93	9.3	33.58	8.3	25.0	0.36
F25	07 Mar 2019	18	14.21	86.65	9.2	33.59	8.3	25.1	0.38
F25	07 Mar 2019	19	14.09	86.72	9.3	33.60	8.3	25.1	0.37
F25	07 Mar 2019	20	13.98	86.44	9.4	33.60	8.3	25.1	0.39
F25	07 Mar 2019	21	14.00	86.29	9.4	33.59	8.3	25.1	0.40
F25	07 Mar 2019	22	13.88	86.44	9.3	33.60	8.3	25.1	0.43
F25	07 Mar 2019	23	13.85	86.64	9.3	33.60	8.3	25.1	0.48
F25	07 Mar 2019	24	13.80	86.62	9.2	33.60	8.3	25.1	0.43
F25	07 Mar 2019	25	13.77	86.30	9.1	33.60	8.3	25.2	0.45
F25	07 Mar 2019	26	13.63	86.79	9.0	33.61	8.3	25.2	0.54
F25	07 Mar 2019	27	13.68	86.81	8.9	33.61	8.3	25.2	0.52
F25	07 Mar 2019	28	13.39	86.89	8.4	33.61	8.2	25.2	0.61
F25	07 Mar 2019	29	13.28	87.12	8.1	33.62	8.2	25.3	0.65
F25	07 Mar 2019	30	13.19	87.14	7.8	33.61	8.2	25.3	0.88
F25	07 Mar 2019	31	13.21	87.26	7.8	33.60	8.2	25.3	0.90
F25	07 Mar 2019	32	13.15	87.32	7.7	33.61	8.2	25.3	0.64
F25	07 Mar 2019	33	13.09	87.52	7.6	33.61	8.2	25.3	0.77
F25	07 Mar 2019	34	13.05	86.72	7.5	33.61	8.2	25.3	1.03
F25	07 Mar 2019	35	12.97	86.45	7.3	33.62	8.2	25.3	1.90
F25	07 Mar 2019	36	12.94	86.87	7.2	33.62	8.2	25.3	1.83
F25	07 Mar 2019	37	12.88	87.64	7.0	33.62	8.2	25.3	1.04
F25	07 Mar 2019	38	12.82	87.61	6.8	33.62	8.2	25.4	1.19
F25	07 Mar 2019	39	12.77	88.05	6.8	33.62	8.1	25.4	0.72
F25	07 Mar 2019	40	12.74	88.11	6.6	33.63	8.2	25.4	0.48
F25	07 Mar 2019	41	12.67	88.01	6.6	33.63	8.1	25.4	0.40
F25	07 Mar 2019	42	12.57	88.10	6.4	33.64	8.1	25.4	0.43
F25	07 Mar 2019	43	12.35	88.10	6.2	33.62	8.1	25.5	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	07 Mar 2019	44	12.23	88.30	6.1	33.63	8.1	25.5	0.49
F25	07 Mar 2019	45	12.09	88.33	6.0	33.63	8.1	25.5	0.51
F25	07 Mar 2019	46	11.93	88.29	5.9	33.63	8.1	25.5	0.48
F25	07 Mar 2019	47	11.85	88.50	5.9	33.62	8.1	25.5	0.39
F25	07 Mar 2019	48	11.58	88.72	5.8	33.63	8.1	25.6	0.43
F25	07 Mar 2019	49	11.51	88.70	5.8	33.62	8.1	25.6	0.54
F25	07 Mar 2019	50	11.46	88.59	5.7	33.63	8.1	25.6	0.39
F25	07 Mar 2019	51	11.43	88.55	5.7	33.63	8.1	25.6	0.38
F25	07 Mar 2019	52	11.41	88.36	5.6	33.63	8.1	25.6	0.37
F25	07 Mar 2019	53	11.38	88.54	5.6	33.64	8.1	25.6	0.36
F25	07 Mar 2019	54	11.29	88.36	5.6	33.64	8.1	25.7	0.37
F25	07 Mar 2019	55	11.25	88.42	5.6	33.64	8.1	25.7	0.36
F25	07 Mar 2019	56	11.19	88.50	5.6	33.64	8.1	25.7	0.35
F25	07 Mar 2019	57	11.16	88.70	5.7	33.64	8.1	25.7	0.35
F25	07 Mar 2019	58	11.15	88.80	5.6	33.64	8.1	25.7	0.37
F25	07 Mar 2019	59	11.13	88.58	5.5	33.66	8.0	25.7	0.38
F25	07 Mar 2019	60	11.14	88.50	5.4	33.66	8.0	25.7	0.38
F25	07 Mar 2019	61	11.13	88.31	5.2	33.69	8.0	25.7	0.38
F25	07 Mar 2019	62	11.12	88.42	5.1	33.69	8.0	25.7	0.34
F25	07 Mar 2019	63	11.07	88.33	5.0	33.70	8.0	25.8	0.34
F25	07 Mar 2019	64	11.05	88.26	4.9	33.71	8.0	25.8	0.32
F25	07 Mar 2019	65	11.05	87.78	4.9	33.71	8.0	25.8	0.32
F25	07 Mar 2019	66	11.04	87.49	4.8	33.72	8.0	25.8	0.29
F25	07 Mar 2019	67	11.00	86.98	4.7	33.73	8.0	25.8	0.26
F25	07 Mar 2019	68	10.95	86.75	4.6	33.74	8.0	25.8	0.24
F25	07 Mar 2019	69	10.88	86.47	4.5	33.76	8.0	25.8	0.23
F25	07 Mar 2019	70	10.83	86.27	4.5	33.76	8.0	25.8	0.22
F25	07 Mar 2019	71	10.80	86.11	4.4	33.77	8.0	25.9	0.23
F25	07 Mar 2019	72	10.76	86.03	4.3	33.78	8.0	25.9	0.21
F25	07 Mar 2019	73	10.66	85.69	4.2	33.80	7.9	25.9	0.21
F25	07 Mar 2019	74	10.58	84.82	4.1	33.81	7.9	25.9	0.22
F25	07 Mar 2019	75	10.41	84.53	4.0	33.86	7.9	26.0	0.21
F25	07 Mar 2019	76	10.35	83.96	3.9	33.87	7.9	26.0	0.20
F25	07 Mar 2019	77	10.34	83.57	3.8	33.87	7.9	26.0	0.20
F25	07 Mar 2019	78	10.33	83.27	3.8	33.87	7.9	26.0	0.21
F25	07 Mar 2019	79	10.33	82.73	3.8	33.87	7.9	26.0	0.20
F25	07 Mar 2019	80	10.33	82.70	3.8	33.87	7.9	26.0	0.23
F25	07 Mar 2019	81	10.34	82.82	3.8	33.87	7.9	26.0	0.23
F26	05 Mar 2019	1	14.95	84.49	9.1	33.52	8.3	24.8	0.34
F26	05 Mar 2019	2	14.95	84.66	9.0	33.53	8.3	24.8	0.35
F26	05 Mar 2019	3	14.74	84.50	9.1	33.55	8.3	24.9	0.34
F26	05 Mar 2019	4	14.61	84.22	9.1	33.53	8.3	24.9	0.38
F26	05 Mar 2019	5	14.58	83.95	9.1	33.52	8.3	24.9	0.42
F26	05 Mar 2019	6	14.56	84.05	9.1	33.52	8.3	24.9	0.46
F26	05 Mar 2019	7	14.55	84.00	9.1	33.52	8.3	24.9	0.49
F26	05 Mar 2019	8	14.53	84.11	9.1	33.53	8.3	24.9	0.49
F26	05 Mar 2019	9	14.51	83.98	9.1	33.53	8.3	24.9	0.49
F26	05 Mar 2019	10	14.48	84.23	9.2	33.53	8.3	24.9	0.58
F26	05 Mar 2019	11	14.46	84.51	9.2	33.53	8.3	25.0	0.65
F26	05 Mar 2019	12	14.45	84.65	9.1	33.53	8.3	25.0	0.86
F26	05 Mar 2019	13	14.44	84.44	9.1	33.53	8.3	25.0	0.82
F26	05 Mar 2019	14	14.42	84.35	9.1	33.53	8.3	25.0	0.76
F26	05 Mar 2019	15	14.37	84.73	9.1	33.55	8.3	25.0	0.76
F26	05 Mar 2019	16	14.13	84.42	9.0	33.55	8.3	25.0	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	05 Mar 2019	17	13.97	84.24	9.0	33.54	8.2	25.1	0.88
F26	05 Mar 2019	18	13.89	84.10	9.0	33.53	8.2	25.1	1.10
F26	05 Mar 2019	19	13.70	83.70	8.9	33.54	8.2	25.1	1.32
F26	05 Mar 2019	20	13.53	82.70	8.9	33.54	8.2	25.2	1.63
F26	05 Mar 2019	21	13.44	81.53	8.8	33.53	8.2	25.2	1.99
F26	05 Mar 2019	22	13.27	79.13	8.4	33.55	8.2	25.2	2.51
F26	05 Mar 2019	23	13.08	79.36	8.0	33.56	8.2	25.3	3.57
F26	05 Mar 2019	24	12.88	79.73	7.4	33.57	8.1	25.3	5.36
F26	05 Mar 2019	25	12.84	81.70	7.1	33.56	8.1	25.3	4.64
F26	05 Mar 2019	26	12.72	83.26	6.7	33.58	8.1	25.3	3.35
F26	05 Mar 2019	27	12.57	84.94	6.4	33.59	8.1	25.4	2.11
F26	05 Mar 2019	28	12.51	85.45	6.2	33.60	8.0	25.4	1.53
F26	05 Mar 2019	29	12.39	86.01	6.1	33.61	8.0	25.4	0.98
F26	05 Mar 2019	30	12.21	85.90	5.9	33.63	8.0	25.5	0.75
F26	05 Mar 2019	31	12.07	85.33	5.7	33.63	8.0	25.5	0.62
F26	05 Mar 2019	32	12.05	85.20	5.7	33.63	8.0	25.5	0.59
F26	05 Mar 2019	33	12.05	85.34	5.7	33.63	8.0	25.5	0.49
F26	05 Mar 2019	34	12.05	85.38	5.7	33.63	8.0	25.5	0.49
F26	05 Mar 2019	35	12.05	85.33	5.7	33.63	8.0	25.5	0.53
F26	05 Mar 2019	36	12.04	84.95	5.6	33.63	8.0	25.5	0.48
F26	05 Mar 2019	37	12.03	85.63	5.6	33.63	8.0	25.5	0.47
F26	05 Mar 2019	38	11.93	85.87	5.5	33.65	8.0	25.6	0.49
F26	05 Mar 2019	39	11.71	87.29	5.5	33.65	8.0	25.6	0.49
F26	05 Mar 2019	40	11.64	87.97	5.5	33.64	8.0	25.6	0.51
F26	05 Mar 2019	41	11.62	88.26	5.5	33.64	8.0	25.6	0.49
F26	05 Mar 2019	42	11.61	88.39	5.5	33.64	8.0	25.6	0.52
F26	05 Mar 2019	43	11.61	88.16	5.5	33.64	8.0	25.6	0.52
F26	05 Mar 2019	44	11.59	88.29	5.4	33.64	8.0	25.6	0.49
F26	05 Mar 2019	45	11.54	87.58	5.3	33.66	8.0	25.6	0.48
F26	05 Mar 2019	46	11.51	87.42	5.3	33.66	8.0	25.6	0.48
F26	05 Mar 2019	47	11.47	87.24	5.3	33.66	8.0	25.6	0.51
F26	05 Mar 2019	48	11.39	87.75	5.3	33.67	7.9	25.7	0.52
F26	05 Mar 2019	49	11.33	87.88	5.2	33.67	7.9	25.7	0.55
F26	05 Mar 2019	50	11.28	87.90	5.2	33.68	7.9	25.7	0.50
F26	05 Mar 2019	51	11.22	88.02	5.1	33.68	7.9	25.7	0.57
F26	05 Mar 2019	52	11.12	88.03	5.1	33.70	7.9	25.7	0.56
F26	05 Mar 2019	53	11.06	88.40	5.1	33.70	7.9	25.7	0.51
F26	05 Mar 2019	54	11.05	88.30	5.0	33.70	7.9	25.8	0.51
F26	05 Mar 2019	55	11.03	88.28	5.0	33.70	7.9	25.8	0.51
F26	05 Mar 2019	56	11.02	88.39	5.1	33.70	7.9	25.8	0.50
F26	05 Mar 2019	57	11.02	88.41	5.0	33.70	7.9	25.8	0.53
F26	05 Mar 2019	58	11.01	88.33	5.0	33.70	7.9	25.8	0.51
F26	05 Mar 2019	59	10.99	88.34	5.0	33.70	7.9	25.8	0.50
F26	05 Mar 2019	60	10.98	88.18	5.0	33.70	7.9	25.8	0.51
F26	05 Mar 2019	61	10.95	88.36	5.0	33.70	7.9	25.8	0.50
F26	05 Mar 2019	62	10.91	88.21	5.0	33.70	7.9	25.8	0.48
F26	05 Mar 2019	63	10.89	88.17	4.9	33.71	7.9	25.8	0.48
F26	05 Mar 2019	64	10.87	88.14	4.9	33.71	7.9	25.8	0.46
F26	05 Mar 2019	65	10.85	88.07	4.8	33.73	7.9	25.8	0.45
F26	05 Mar 2019	66	10.84	87.96	4.7	33.73	7.9	25.8	0.47
F26	05 Mar 2019	67	10.82	87.70	4.7	33.74	7.9	25.8	0.46
F26	05 Mar 2019	68	10.83	87.37	4.5	33.76	7.9	25.8	0.47
F26	05 Mar 2019	69	10.80	87.05	4.5	33.77	7.9	25.9	0.44
F26	05 Mar 2019	70	10.77	87.07	4.4	33.78	7.9	25.9	0.47
F26	05 Mar 2019	71	10.76	86.95	4.4	33.78	7.9	25.9	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	05 Mar 2019	72	10.75	87.08	4.3	33.78	7.9	25.9	0.43
F26	05 Mar 2019	73	10.69	87.33	4.3	33.78	7.9	25.9	0.43
F26	05 Mar 2019	74	10.68	87.54	4.4	33.78	7.9	25.9	0.42
F26	05 Mar 2019	75	10.67	87.41	4.4	33.78	7.9	25.9	0.41
F26	05 Mar 2019	76	10.67	87.61	4.4	33.78	7.9	25.9	0.42
F26	05 Mar 2019	77	10.66	87.42	4.4	33.78	7.9	25.9	0.45
F26	05 Mar 2019	78	10.66	87.90	4.4	33.78	7.9	25.9	0.44
F26	05 Mar 2019	79	10.66	87.64	4.4	33.78	7.9	25.9	0.47
F26	05 Mar 2019	80	10.66	87.82	4.4	33.78	7.9	25.9	0.55
F26	05 Mar 2019	81	10.66	87.84	4.4	33.78	7.9	25.9	0.45
F26	05 Mar 2019	82	10.66	87.87	4.4	33.78	7.9	25.9	0.41
F26	05 Mar 2019	83	10.66	88.03	4.4	33.78	7.9	25.9	0.39
F26	05 Mar 2019	84	10.66	87.95	4.4	33.78	7.9	25.9	0.40
F26	05 Mar 2019	85	10.66	88.07	4.4	33.77	7.9	25.9	0.40
F26	05 Mar 2019	86	10.63	88.27	4.4	33.78	7.9	25.9	0.41
F26	05 Mar 2019	87	10.60	88.33	4.3	33.79	7.8	25.9	0.37
F26	05 Mar 2019	88	10.59	88.31	4.3	33.79	7.8	25.9	0.37
F26	05 Mar 2019	89	10.57	88.23	4.3	33.80	7.8	25.9	0.35
F26	05 Mar 2019	90	10.55	88.02	4.2	33.81	7.8	25.9	0.39
F26	05 Mar 2019	91	10.55	87.83	4.2	33.81	7.8	25.9	0.37
F26	05 Mar 2019	92	10.54	87.43	4.1	33.82	7.8	25.9	0.35
F26	05 Mar 2019	93	10.51	87.68	4.1	33.83	7.8	25.9	0.35
F26	05 Mar 2019	94	10.44	86.44	4.0	33.85	7.8	26.0	0.36
F26	05 Mar 2019	95	10.43	86.45	3.9	33.85	7.8	26.0	0.39
F26	05 Mar 2019	96	10.41	86.36	3.8	33.86	7.8	26.0	0.41
F26	05 Mar 2019	97	10.39	85.93	3.8	33.87	7.8	26.0	0.43
F26	05 Mar 2019	98	10.37	85.95	3.7	33.88	7.8	26.0	0.42
F26	05 Mar 2019	99	10.26	85.87	3.6	33.92	7.8	26.1	0.41
F26	05 Mar 2019	100	10.23	85.33	3.6	33.93	7.8	26.1	0.44
F27	05 Mar 2019	1	15.11	82.98	9.0	33.51	8.2	24.8	0.44
F27	05 Mar 2019	2	14.99	83.12	9.0	33.53	8.2	24.8	0.40
F27	05 Mar 2019	3	14.58	83.04	9.0	33.52	8.2	24.9	0.45
F27	05 Mar 2019	4	14.56	82.79	9.0	33.51	8.2	24.9	0.51
F27	05 Mar 2019	5	14.53	82.55	9.0	33.51	8.2	24.9	0.57
F27	05 Mar 2019	6	14.50	82.42	9.0	33.51	8.2	24.9	0.69
F27	05 Mar 2019	7	14.49	82.28	9.0	33.52	8.2	24.9	0.73
F27	05 Mar 2019	8	14.40	82.08	9.0	33.53	8.2	25.0	0.97
F27	05 Mar 2019	9	14.29	83.08	9.3	33.55	8.3	25.0	1.02
F27	05 Mar 2019	10	14.29	83.76	9.3	33.55	8.3	25.0	0.89
F27	05 Mar 2019	11	14.24	83.80	9.3	33.56	8.3	25.0	0.73
F27	05 Mar 2019	12	14.20	83.77	9.1	33.56	8.3	25.0	0.76
F27	05 Mar 2019	13	14.09	83.04	8.8	33.57	8.2	25.1	0.98
F27	05 Mar 2019	14	13.94	82.67	8.6	33.58	8.2	25.1	1.04
F27	05 Mar 2019	15	13.86	83.06	8.5	33.58	8.2	25.1	1.24
F27	05 Mar 2019	16	13.80	83.04	8.4	33.58	8.2	25.1	1.41
F27	05 Mar 2019	17	13.77	83.63	8.3	33.58	8.2	25.1	1.51
F27	05 Mar 2019	18	13.73	83.66	8.3	33.58	8.2	25.1	1.48
F27	05 Mar 2019	19	13.70	84.27	8.2	33.59	8.2	25.2	1.37
F27	05 Mar 2019	20	13.58	84.40	8.0	33.59	8.2	25.2	1.28
F27	05 Mar 2019	21	13.54	84.80	7.9	33.59	8.2	25.2	1.19
F27	05 Mar 2019	22	13.49	84.57	7.9	33.59	8.2	25.2	1.24
F27	05 Mar 2019	23	13.35	84.42	7.7	33.59	8.2	25.2	1.61
F27	05 Mar 2019	24	13.22	83.69	7.5	33.58	8.1	25.2	1.73
F27	05 Mar 2019	25	13.12	82.35	7.5	33.56	8.1	25.3	3.13

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	05 Mar 2019	26	13.07	82.19	7.4	33.57	8.1	25.3	3.69
F27	05 Mar 2019	27	12.92	82.01	7.1	33.57	8.1	25.3	4.00
F27	05 Mar 2019	28	12.77	84.27	6.8	33.58	8.1	25.3	3.23
F27	05 Mar 2019	29	12.64	84.96	6.5	33.58	8.1	25.4	2.17
F27	05 Mar 2019	30	12.54	85.38	6.3	33.60	8.1	25.4	1.50
F27	05 Mar 2019	31	12.32	85.69	6.0	33.62	8.0	25.5	1.24
F27	05 Mar 2019	32	12.16	85.67	5.9	33.62	8.0	25.5	0.85
F27	05 Mar 2019	33	12.14	85.94	5.8	33.62	8.0	25.5	0.80
F27	05 Mar 2019	34	12.06	85.80	5.7	33.63	8.0	25.5	0.67
F27	05 Mar 2019	35	11.99	85.87	5.6	33.64	8.0	25.5	0.55
F27	05 Mar 2019	36	11.88	85.91	5.5	33.65	8.0	25.6	0.54
F27	05 Mar 2019	37	11.77	85.87	5.4	33.65	8.0	25.6	0.51
F27	05 Mar 2019	38	11.71	85.60	5.4	33.66	8.0	25.6	0.48
F27	05 Mar 2019	39	11.64	85.53	5.3	33.66	8.0	25.6	0.46
F27	05 Mar 2019	40	11.61	86.04	5.3	33.66	8.0	25.6	0.43
F27	05 Mar 2019	41	11.57	86.15	5.3	33.66	8.0	25.6	0.44
F27	05 Mar 2019	42	11.54	86.38	5.2	33.66	7.9	25.6	0.42
F27	05 Mar 2019	43	11.53	86.57	5.2	33.66	7.9	25.6	0.43
F27	05 Mar 2019	44	11.51	86.56	5.2	33.66	7.9	25.6	0.44
F27	05 Mar 2019	45	11.50	86.56	5.2	33.67	7.9	25.6	0.42
F27	05 Mar 2019	46	11.47	86.73	5.2	33.67	7.9	25.7	0.42
F27	05 Mar 2019	47	11.45	86.99	5.2	33.67	7.9	25.7	0.41
F27	05 Mar 2019	48	11.43	87.19	5.2	33.67	7.9	25.7	0.40
F27	05 Mar 2019	49	11.41	87.07	5.2	33.66	7.9	25.7	0.43
F27	05 Mar 2019	50	11.40	87.45	5.2	33.66	7.9	25.7	0.41
F27	05 Mar 2019	51	11.37	87.98	5.2	33.66	7.9	25.7	0.39
F27	05 Mar 2019	52	11.33	87.97	5.2	33.67	7.9	25.7	0.41
F27	05 Mar 2019	53	11.30	88.05	5.2	33.67	7.9	25.7	0.43
F27	05 Mar 2019	54	11.26	87.80	5.1	33.69	7.9	25.7	0.41
F27	05 Mar 2019	55	11.20	87.45	5.1	33.70	7.9	25.7	0.40
F27	05 Mar 2019	56	11.16	87.18	5.0	33.70	7.9	25.7	0.38
F27	05 Mar 2019	57	11.15	86.94	4.9	33.70	7.9	25.7	0.38
F27	05 Mar 2019	58	11.14	87.05	5.0	33.70	7.9	25.7	0.40
F27	05 Mar 2019	59	11.12	87.21	4.9	33.70	7.9	25.7	0.41
F27	05 Mar 2019	60	11.07	87.03	4.9	33.71	7.9	25.8	0.39
F27	05 Mar 2019	61	11.03	87.22	4.9	33.71	7.9	25.8	0.36
F27	05 Mar 2019	62	10.96	87.53	4.8	33.72	7.9	25.8	0.39
F27	05 Mar 2019	63	10.92	87.77	4.8	33.72	7.9	25.8	0.41
F27	05 Mar 2019	64	10.89	88.21	4.9	33.72	7.9	25.8	0.41
F27	05 Mar 2019	65	10.86	88.40	4.9	33.71	7.9	25.8	0.39
F27	05 Mar 2019	66	10.85	88.21	4.9	33.71	7.9	25.8	0.38
F27	05 Mar 2019	67	10.82	88.45	4.9	33.72	7.9	25.8	0.40
F27	05 Mar 2019	68	10.79	88.46	4.8	33.72	7.9	25.8	0.39
F27	05 Mar 2019	69	10.74	88.40	4.8	33.73	7.9	25.8	0.44
F27	05 Mar 2019	70	10.72	88.49	4.8	33.73	7.9	25.8	0.40
F27	05 Mar 2019	71	10.69	88.41	4.8	33.73	7.9	25.8	0.41
F27	05 Mar 2019	72	10.67	88.37	4.7	33.73	7.9	25.8	0.39
F27	05 Mar 2019	73	10.67	88.31	4.7	33.73	7.9	25.8	0.41
F27	05 Mar 2019	74	10.67	88.21	4.7	33.73	7.9	25.8	0.38
F27	05 Mar 2019	75	10.67	88.29	4.7	33.73	7.9	25.8	0.39
F27	05 Mar 2019	76	10.67	88.19	4.7	33.73	7.9	25.8	0.39
F27	05 Mar 2019	77	10.67	88.17	4.7	33.73	7.9	25.8	0.39
F27	05 Mar 2019	78	10.67	87.92	4.7	33.74	7.9	25.9	0.40
F27	05 Mar 2019	79	10.66	88.02	4.6	33.75	7.9	25.9	0.41
F27	05 Mar 2019	80	10.66	87.79	4.5	33.76	7.9	25.9	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	05 Mar 2019	81	10.63	87.67	4.4	33.79	7.9	25.9	0.38
F27	05 Mar 2019	82	10.63	87.44	4.3	33.79	7.8	25.9	0.39
F27	05 Mar 2019	83	10.62	87.13	4.3	33.80	7.8	25.9	0.38
F27	05 Mar 2019	84	10.58	86.97	4.2	33.81	7.8	25.9	0.37
F27	05 Mar 2019	85	10.56	86.98	4.2	33.82	7.8	25.9	0.34
F27	05 Mar 2019	86	10.53	87.28	4.1	33.83	7.8	25.9	0.35
F27	05 Mar 2019	87	10.52	87.24	4.1	33.83	7.8	25.9	0.33
F27	05 Mar 2019	88	10.48	87.05	4.1	33.84	7.8	26.0	0.33
F27	05 Mar 2019	89	10.46	87.28	4.0	33.84	7.8	26.0	0.34
F27	05 Mar 2019	90	10.43	87.45	4.0	33.85	7.8	26.0	0.31
F27	05 Mar 2019	91	10.41	87.64	3.9	33.86	7.8	26.0	0.31
F27	05 Mar 2019	92	10.40	87.64	3.9	33.86	7.8	26.0	0.30
F27	05 Mar 2019	93	10.37	87.77	3.9	33.87	7.8	26.0	0.29
F27	05 Mar 2019	94	10.34	87.85	3.8	33.89	7.8	26.0	0.26
F27	05 Mar 2019	95	10.31	87.47	3.7	33.90	7.8	26.0	0.25
F27	05 Mar 2019	96	10.28	86.76	3.7	33.91	7.8	26.1	0.31
F27	05 Mar 2019	97	10.24	86.46	3.6	33.92	7.8	26.1	0.39
F27	05 Mar 2019	98	10.22	86.25	3.6	33.93	7.8	26.1	0.35
F27	05 Mar 2019	99	10.17	85.76	3.5	33.95	7.8	26.1	0.34
F27	05 Mar 2019	100	10.16	85.66	3.5	33.95	7.8	26.1	0.34
F28	05 Mar 2019	1	14.68	82.95	9.1	33.52	8.3	24.9	0.41
F28	05 Mar 2019	2	14.66	82.09	9.2	33.52	8.3	24.9	0.46
F28	05 Mar 2019	3	14.69	82.34	9.1	33.52	8.3	24.9	0.47
F28	05 Mar 2019	4	14.51	82.40	9.2	33.56	8.3	25.0	0.48
F28	05 Mar 2019	5	14.38	83.67	9.3	33.57	8.3	25.0	0.45
F28	05 Mar 2019	6	14.31	83.91	9.3	33.57	8.3	25.0	0.41
F28	05 Mar 2019	7	14.28	84.33	9.2	33.56	8.3	25.0	0.43
F28	05 Mar 2019	8	14.28	84.08	9.2	33.56	8.3	25.0	0.46
F28	05 Mar 2019	9	14.27	84.20	9.3	33.56	8.3	25.0	0.50
F28	05 Mar 2019	10	14.24	84.76	9.2	33.56	8.3	25.0	0.50
F28	05 Mar 2019	11	14.19	84.27	9.2	33.57	8.3	25.0	0.54
F28	05 Mar 2019	12	14.16	83.90	9.2	33.56	8.3	25.0	0.68
F28	05 Mar 2019	13	14.15	84.30	9.2	33.57	8.3	25.0	0.69
F28	05 Mar 2019	14	14.12	83.76	9.1	33.57	8.2	25.1	0.74
F28	05 Mar 2019	15	14.09	84.20	9.1	33.57	8.2	25.1	0.77
F28	05 Mar 2019	16	14.04	84.68	9.1	33.57	8.2	25.1	0.81
F28	05 Mar 2019	17	13.97	85.11	9.0	33.57	8.2	25.1	0.84
F28	05 Mar 2019	18	13.91	85.28	8.8	33.58	8.2	25.1	0.83
F28	05 Mar 2019	19	13.80	84.83	8.6	33.59	8.2	25.1	1.01
F28	05 Mar 2019	20	13.65	85.21	8.4	33.59	8.2	25.2	1.14
F28	05 Mar 2019	21	13.61	84.96	8.1	33.58	8.2	25.2	1.32
F28	05 Mar 2019	22	13.51	84.98	7.8	33.59	8.2	25.2	1.52
F28	05 Mar 2019	23	13.31	85.23	7.6	33.59	8.1	25.2	1.46
F28	05 Mar 2019	24	13.26	86.02	7.4	33.59	8.1	25.2	1.34
F28	05 Mar 2019	25	13.17	86.18	7.3	33.59	8.1	25.3	1.23
F28	05 Mar 2019	26	13.14	86.32	7.2	33.59	8.1	25.3	1.31
F28	05 Mar 2019	27	13.13	86.32	7.2	33.59	8.1	25.3	1.26
F28	05 Mar 2019	28	13.11	86.19	7.1	33.59	8.1	25.3	1.33
F28	05 Mar 2019	29	12.99	85.90	6.9	33.59	8.1	25.3	1.24
F28	05 Mar 2019	30	12.78	85.26	6.7	33.59	8.1	25.3	1.40
F28	05 Mar 2019	31	12.62	84.59	6.4	33.60	8.1	25.4	1.53
F28	05 Mar 2019	32	12.45	84.81	6.2	33.61	8.0	25.4	1.14
F28	05 Mar 2019	33	12.36	85.44	6.0	33.61	8.0	25.4	0.94
F28	05 Mar 2019	34	12.13	85.64	5.8	33.64	8.0	25.5	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	05 Mar 2019	35	11.95	85.56	5.6	33.64	8.0	25.5	0.58
F28	05 Mar 2019	36	11.88	85.30	5.5	33.64	8.0	25.6	0.57
F28	05 Mar 2019	37	11.85	85.53	5.5	33.65	8.0	25.6	0.57
F28	05 Mar 2019	38	11.83	85.86	5.4	33.65	8.0	25.6	0.47
F28	05 Mar 2019	39	11.76	85.49	5.4	33.65	8.0	25.6	0.45
F28	05 Mar 2019	40	11.72	85.74	5.3	33.65	8.0	25.6	0.52
F28	05 Mar 2019	41	11.70	85.23	5.3	33.65	8.0	25.6	0.47
F28	05 Mar 2019	42	11.69	85.32	5.3	33.65	8.0	25.6	0.45
F28	05 Mar 2019	43	11.66	85.59	5.3	33.66	8.0	25.6	0.43
F28	05 Mar 2019	44	11.59	85.73	5.3	33.67	8.0	25.6	0.42
F28	05 Mar 2019	45	11.55	85.99	5.2	33.67	7.9	25.6	0.42
F28	05 Mar 2019	46	11.54	86.04	5.2	33.67	7.9	25.6	0.39
F28	05 Mar 2019	47	11.50	86.15	5.2	33.67	7.9	25.7	0.41
F28	05 Mar 2019	48	11.47	86.29	5.2	33.67	7.9	25.7	0.42
F28	05 Mar 2019	49	11.40	86.40	5.1	33.68	7.9	25.7	0.41
F28	05 Mar 2019	50	11.32	86.75	5.1	33.68	7.9	25.7	0.38
F28	05 Mar 2019	51	11.23	87.16	5.1	33.68	7.9	25.7	0.39
F28	05 Mar 2019	52	11.17	87.55	5.1	33.69	7.9	25.7	0.40
F28	05 Mar 2019	53	11.12	88.12	5.1	33.68	7.9	25.7	0.37
F28	05 Mar 2019	54	11.10	88.32	5.1	33.68	7.9	25.7	0.39
F28	05 Mar 2019	55	11.09	88.42	5.0	33.68	7.9	25.7	0.38
F28	05 Mar 2019	56	11.08	88.18	5.0	33.69	7.9	25.7	0.40
F28	05 Mar 2019	57	11.05	87.57	5.0	33.70	7.9	25.8	0.41
F28	05 Mar 2019	58	11.04	87.51	5.0	33.70	7.9	25.8	0.38
F28	05 Mar 2019	59	11.03	87.30	4.9	33.70	7.9	25.8	0.38
F28	05 Mar 2019	60	11.03	87.50	4.9	33.70	7.9	25.8	0.41
F28	05 Mar 2019	61	11.03	87.42	4.9	33.70	7.9	25.8	0.38
F28	05 Mar 2019	62	11.02	87.51	4.9	33.71	7.9	25.8	0.38
F28	05 Mar 2019	63	11.02	87.47	4.9	33.71	7.9	25.8	0.38
F28	05 Mar 2019	64	11.01	87.57	4.9	33.71	7.9	25.8	0.39
F28	05 Mar 2019	65	10.96	87.61	4.9	33.72	7.9	25.8	0.41
F28	05 Mar 2019	66	10.92	87.88	4.9	33.72	7.9	25.8	0.40
F28	05 Mar 2019	67	10.90	87.99	4.9	33.72	7.9	25.8	0.39
F28	05 Mar 2019	68	10.86	87.87	4.8	33.73	7.9	25.8	0.40
F28	05 Mar 2019	69	10.84	87.93	4.8	33.73	7.9	25.8	0.38
F28	05 Mar 2019	70	10.82	87.86	4.7	33.73	7.9	25.8	0.37
F28	05 Mar 2019	71	10.80	87.66	4.7	33.74	7.9	25.8	0.38
F28	05 Mar 2019	72	10.75	87.46	4.6	33.76	7.9	25.9	0.38
F28	05 Mar 2019	73	10.71	87.30	4.5	33.77	7.9	25.9	0.39
F28	05 Mar 2019	74	10.67	87.46	4.4	33.77	7.9	25.9	0.40
F28	05 Mar 2019	75	10.65	87.31	4.4	33.79	7.9	25.9	0.35
F28	05 Mar 2019	76	10.62	86.66	4.3	33.81	7.8	25.9	0.36
F28	05 Mar 2019	77	10.57	86.64	4.2	33.82	7.8	25.9	0.32
F28	05 Mar 2019	78	10.53	86.88	4.1	33.83	7.8	25.9	0.31
F28	05 Mar 2019	79	10.52	86.80	4.1	33.84	7.8	26.0	0.30
F28	05 Mar 2019	80	10.50	86.92	4.0	33.84	7.8	26.0	0.32
F28	05 Mar 2019	81	10.49	86.69	4.0	33.85	7.8	26.0	0.29
F28	05 Mar 2019	82	10.48	86.65	4.0	33.85	7.8	26.0	0.29
F28	05 Mar 2019	83	10.47	86.53	4.0	33.85	7.8	26.0	0.32
F28	05 Mar 2019	84	10.47	86.42	4.0	33.85	7.8	26.0	0.28
F28	05 Mar 2019	85	10.46	86.43	4.0	33.85	7.8	26.0	0.29
F28	05 Mar 2019	86	10.45	86.41	4.0	33.86	7.8	26.0	0.29
F28	05 Mar 2019	87	10.42	86.61	3.9	33.86	7.8	26.0	0.27
F28	05 Mar 2019	88	10.37	86.80	3.9	33.88	7.8	26.0	0.26
F28	05 Mar 2019	89	10.36	86.90	3.9	33.88	7.8	26.0	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	05 Mar 2019	90	10.33	87.82	3.8	33.89	7.8	26.0	0.25
F28	05 Mar 2019	91	10.33	87.79	3.8	33.89	7.8	26.0	0.23
F28	05 Mar 2019	92	10.32	87.98	3.8	33.89	7.8	26.0	0.23
F28	05 Mar 2019	93	10.32	87.92	3.8	33.89	7.8	26.0	0.26
F28	05 Mar 2019	94	10.29	87.56	3.7	33.90	7.8	26.0	0.24
F28	05 Mar 2019	95	10.25	87.78	3.7	33.92	7.8	26.1	0.23
F28	05 Mar 2019	96	10.23	87.85	3.6	33.93	7.8	26.1	0.20
F28	05 Mar 2019	97	10.22	87.29	3.6	33.93	7.8	26.1	0.19
F28	05 Mar 2019	98	10.21	87.77	3.5	33.93	7.8	26.1	0.18
F28	05 Mar 2019	99	10.18	87.37	3.5	33.94	7.8	26.1	0.22
F28	05 Mar 2019	100	10.13	86.93	3.5	33.96	7.8	26.1	0.24
F28	05 Mar 2019	101	10.08	86.20	3.4	33.97	7.8	26.1	0.27
F29	05 Mar 2019	1	14.88	84.34	9.3	33.56	8.3	24.9	0.27
F29	05 Mar 2019	2	14.76	84.62	9.2	33.55	8.3	24.9	0.26
F29	05 Mar 2019	3	14.66	84.62	9.2	33.55	8.3	24.9	0.29
F29	05 Mar 2019	4	14.57	84.05	9.2	33.55	8.3	24.9	0.33
F29	05 Mar 2019	5	14.55	84.06	9.3	33.55	8.3	24.9	0.37
F29	05 Mar 2019	6	14.54	84.33	9.3	33.55	8.3	24.9	0.36
F29	05 Mar 2019	7	14.52	83.97	9.3	33.55	8.3	25.0	0.39
F29	05 Mar 2019	8	14.49	83.98	9.3	33.55	8.3	25.0	0.42
F29	05 Mar 2019	9	14.46	84.59	9.3	33.55	8.3	25.0	0.42
F29	05 Mar 2019	10	14.43	84.66	9.2	33.55	8.3	25.0	0.46
F29	05 Mar 2019	11	14.40	84.29	9.3	33.55	8.3	25.0	0.47
F29	05 Mar 2019	12	14.33	84.98	9.1	33.56	8.3	25.0	0.46
F29	05 Mar 2019	13	14.24	85.34	9.0	33.56	8.2	25.0	0.51
F29	05 Mar 2019	14	14.20	84.74	8.8	33.56	8.2	25.0	0.64
F29	05 Mar 2019	15	14.03	83.83	8.5	33.57	8.2	25.1	0.89
F29	05 Mar 2019	16	13.95	84.41	8.5	33.56	8.2	25.1	1.06
F29	05 Mar 2019	17	13.91	84.79	8.5	33.56	8.2	25.1	0.97
F29	05 Mar 2019	18	13.83	85.12	8.3	33.56	8.2	25.1	0.86
F29	05 Mar 2019	19	13.76	85.00	8.2	33.56	8.2	25.1	0.82
F29	05 Mar 2019	20	13.71	84.91	8.2	33.57	8.2	25.1	0.95
F29	05 Mar 2019	21	13.69	85.33	8.2	33.57	8.2	25.1	1.07
F29	05 Mar 2019	22	13.64	85.73	8.2	33.58	8.2	25.2	1.17
F29	05 Mar 2019	23	13.53	85.90	8.1	33.59	8.2	25.2	1.14
F29	05 Mar 2019	24	13.48	85.54	7.8	33.58	8.2	25.2	1.24
F29	05 Mar 2019	25	13.40	85.14	7.6	33.59	8.2	25.2	1.10
F29	05 Mar 2019	26	13.29	85.31	7.3	33.59	8.1	25.2	2.01
F29	05 Mar 2019	27	13.09	85.24	7.0	33.60	8.1	25.3	2.15
F29	05 Mar 2019	28	12.92	86.45	6.8	33.59	8.1	25.3	1.18
F29	05 Mar 2019	29	12.81	87.30	6.7	33.62	8.1	25.4	1.14
F29	05 Mar 2019	30	12.68	87.04	6.5	33.60	8.1	25.4	0.97
F29	05 Mar 2019	31	12.60	86.93	6.4	33.60	8.0	25.4	0.80
F29	05 Mar 2019	32	12.59	87.15	6.3	33.60	8.0	25.4	0.85
F29	05 Mar 2019	33	12.56	86.85	6.3	33.60	8.0	25.4	0.94
F29	05 Mar 2019	34	12.55	86.68	6.2	33.60	8.0	25.4	0.74
F29	05 Mar 2019	35	12.54	86.62	6.2	33.60	8.0	25.4	0.62
F29	05 Mar 2019	36	12.52	86.24	6.2	33.60	8.0	25.4	0.62
F29	05 Mar 2019	37	12.49	86.38	6.2	33.61	8.0	25.4	0.76
F29	05 Mar 2019	38	12.42	85.95	6.0	33.62	8.0	25.4	0.84
F29	05 Mar 2019	39	12.26	85.70	5.9	33.63	8.0	25.5	0.82
F29	05 Mar 2019	40	12.11	85.54	5.7	33.64	8.0	25.5	0.72
F29	05 Mar 2019	41	11.97	85.58	5.6	33.64	8.0	25.5	0.65
F29	05 Mar 2019	42	11.93	86.03	5.5	33.64	8.0	25.5	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	05 Mar 2019	43	11.91	86.00	5.5	33.64	8.0	25.6	0.50
F29	05 Mar 2019	44	11.78	85.85	5.4	33.66	8.0	25.6	0.49
F29	05 Mar 2019	45	11.71	85.45	5.4	33.66	8.0	25.6	0.48
F29	05 Mar 2019	46	11.67	85.32	5.3	33.66	8.0	25.6	0.43
F29	05 Mar 2019	47	11.60	85.35	5.2	33.67	7.9	25.6	0.63
F29	05 Mar 2019	48	11.54	85.81	5.2	33.67	7.9	25.6	0.70
F29	05 Mar 2019	49	11.52	86.14	5.2	33.67	7.9	25.6	0.49
F29	05 Mar 2019	50	11.47	86.15	5.2	33.67	7.9	25.7	0.40
F29	05 Mar 2019	51	11.45	86.36	5.2	33.67	7.9	25.7	0.37
F29	05 Mar 2019	52	11.41	86.36	5.2	33.67	7.9	25.7	0.42
F29	05 Mar 2019	53	11.35	87.08	5.2	33.67	7.9	25.7	0.37
F29	05 Mar 2019	54	11.31	87.31	5.1	33.67	7.9	25.7	0.46
F29	05 Mar 2019	55	11.26	87.55	5.2	33.68	7.9	25.7	0.40
F29	05 Mar 2019	56	11.24	87.72	5.1	33.68	7.9	25.7	0.39
F29	05 Mar 2019	57	11.21	87.59	5.1	33.68	7.9	25.7	0.37
F29	05 Mar 2019	58	11.19	87.48	5.1	33.69	7.9	25.7	0.37
F29	05 Mar 2019	59	11.18	87.52	5.0	33.69	7.9	25.7	0.35
F29	05 Mar 2019	60	11.17	87.43	5.0	33.69	7.9	25.7	0.38
F29	05 Mar 2019	61	11.13	87.93	5.0	33.69	7.9	25.7	0.41
F29	05 Mar 2019	62	11.12	87.82	5.0	33.69	7.9	25.7	0.45
F29	05 Mar 2019	63	11.08	87.73	5.0	33.70	7.9	25.7	0.46
F29	05 Mar 2019	64	11.06	87.64	4.9	33.70	7.9	25.8	0.48
F29	05 Mar 2019	65	11.03	87.68	4.9	33.71	7.9	25.8	0.43
F29	05 Mar 2019	66	11.01	87.59	4.9	33.71	7.9	25.8	0.42
F29	05 Mar 2019	67	10.99	87.45	4.8	33.72	7.9	25.8	0.42
F29	05 Mar 2019	68	10.94	87.37	4.7	33.73	7.9	25.8	0.40
F29	05 Mar 2019	69	10.86	87.30	4.6	33.75	7.9	25.8	0.39
F29	05 Mar 2019	70	10.82	87.46	4.5	33.76	7.9	25.8	0.47
F29	05 Mar 2019	71	10.79	87.35	4.5	33.77	7.9	25.9	0.44
F29	05 Mar 2019	72	10.75	87.35	4.4	33.78	7.9	25.9	0.44
F29	05 Mar 2019	73	10.73	87.01	4.3	33.79	7.9	25.9	0.38
F29	05 Mar 2019	74	10.71	87.26	4.3	33.79	7.9	25.9	0.35
F29	05 Mar 2019	75	10.68	87.21	4.3	33.80	7.8	25.9	0.32
F29	05 Mar 2019	76	10.64	87.36	4.2	33.81	7.8	25.9	0.34
F29	05 Mar 2019	77	10.60	87.32	4.2	33.82	7.8	25.9	0.33
F29	05 Mar 2019	78	10.56	87.24	4.1	33.83	7.8	25.9	0.31
F29	05 Mar 2019	79	10.50	87.24	4.0	33.84	7.8	26.0	0.26
F29	05 Mar 2019	80	10.47	87.31	4.0	33.85	7.8	26.0	0.25
F29	05 Mar 2019	81	10.44	87.40	4.0	33.86	7.8	26.0	0.24
F29	05 Mar 2019	82	10.42	87.18	3.9	33.86	7.8	26.0	0.23
F29	05 Mar 2019	83	10.42	87.07	3.9	33.86	7.8	26.0	0.26
F29	05 Mar 2019	84	10.42	87.01	3.9	33.86	7.8	26.0	0.28
F29	05 Mar 2019	85	10.41	87.06	3.9	33.87	7.8	26.0	0.26
F29	05 Mar 2019	86	10.38	86.88	3.8	33.87	7.8	26.0	0.25
F29	05 Mar 2019	87	10.33	87.15	3.8	33.89	7.8	26.0	0.23
F29	05 Mar 2019	88	10.31	87.68	3.8	33.89	7.8	26.0	0.23
F29	05 Mar 2019	89	10.30	87.70	3.7	33.90	7.8	26.0	0.24
F29	05 Mar 2019	90	10.30	87.68	3.8	33.90	7.8	26.0	0.23
F29	05 Mar 2019	91	10.29	87.78	3.7	33.90	7.8	26.0	0.25
F29	05 Mar 2019	92	10.28	87.62	3.7	33.90	7.8	26.0	0.24
F29	05 Mar 2019	93	10.25	87.19	3.6	33.91	7.8	26.1	0.25
F29	05 Mar 2019	94	10.24	86.60	3.6	33.92	7.8	26.1	0.26
F29	05 Mar 2019	95	10.23	85.91	3.6	33.92	7.8	26.1	0.25
F29	05 Mar 2019	96	10.21	85.76	3.5	33.93	7.8	26.1	0.29
F29	05 Mar 2019	97	10.17	85.42	3.5	33.94	7.8	26.1	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	05 Mar 2019	98	10.13	85.08	3.4	33.95	7.8	26.1	0.28
F29	05 Mar 2019	99	10.12	84.76	3.4	33.96	7.8	26.1	0.32
F29	05 Mar 2019	100	10.11	84.70	3.4	33.96	7.8	26.1	0.29
F30	05 Mar 2019	1	14.66	83.33	9.1	33.54	8.2	24.9	0.39
F30	05 Mar 2019	2	14.57	83.30	9.1	33.54	8.3	24.9	0.38
F30	05 Mar 2019	3	14.51	83.42	9.2	33.54	8.3	25.0	0.36
F30	05 Mar 2019	4	14.50	83.53	9.2	33.54	8.3	25.0	0.47
F30	05 Mar 2019	5	14.49	83.52	9.2	33.54	8.3	25.0	0.49
F30	05 Mar 2019	6	14.44	84.06	9.3	33.55	8.3	25.0	0.50
F30	05 Mar 2019	7	14.38	84.47	9.2	33.56	8.3	25.0	0.55
F30	05 Mar 2019	8	14.34	84.17	9.2	33.56	8.3	25.0	0.59
F30	05 Mar 2019	9	14.28	84.43	9.2	33.56	8.3	25.0	0.59
F30	05 Mar 2019	10	14.25	84.49	9.2	33.56	8.3	25.0	0.59
F30	05 Mar 2019	11	14.19	84.36	9.2	33.57	8.2	25.0	0.69
F30	05 Mar 2019	12	14.12	84.35	9.0	33.57	8.2	25.1	0.78
F30	05 Mar 2019	13	14.03	83.95	8.7	33.57	8.2	25.1	0.78
F30	05 Mar 2019	14	13.95	83.86	8.4	33.57	8.2	25.1	1.01
F30	05 Mar 2019	15	13.90	83.97	8.3	33.57	8.2	25.1	1.29
F30	05 Mar 2019	16	13.86	84.37	8.2	33.57	8.2	25.1	1.31
F30	05 Mar 2019	17	13.81	84.40	8.1	33.57	8.2	25.1	1.03
F30	05 Mar 2019	18	13.75	84.35	8.1	33.58	8.2	25.1	1.01
F30	05 Mar 2019	19	13.69	84.45	8.1	33.58	8.2	25.2	1.10
F30	05 Mar 2019	20	13.63	85.02	8.1	33.59	8.2	25.2	1.09
F30	05 Mar 2019	21	13.52	85.35	7.9	33.59	8.2	25.2	1.04
F30	05 Mar 2019	22	13.41	85.28	7.6	33.59	8.2	25.2	1.18
F30	05 Mar 2019	23	13.20	84.85	7.2	33.60	8.1	25.3	0.89
F30	05 Mar 2019	24	13.00	84.73	6.9	33.61	8.1	25.3	0.78
F30	05 Mar 2019	25	12.84	84.95	6.7	33.61	8.1	25.3	0.66
F30	05 Mar 2019	26	12.73	85.36	6.5	33.61	8.1	25.4	0.59
F30	05 Mar 2019	27	12.57	85.89	6.3	33.62	8.0	25.4	0.56
F30	05 Mar 2019	28	12.41	87.00	6.1	33.62	8.0	25.4	0.52
F30	05 Mar 2019	29	12.34	87.85	6.0	33.61	8.0	25.4	0.49
F30	05 Mar 2019	30	12.25	87.61	5.9	33.62	8.0	25.5	0.66
F30	05 Mar 2019	31	12.23	86.87	5.8	33.62	8.0	25.5	0.54
F30	05 Mar 2019	32	12.15	87.04	5.8	33.62	8.0	25.5	0.54
F30	05 Mar 2019	33	12.13	87.06	5.8	33.62	8.0	25.5	0.44
F30	05 Mar 2019	34	12.12	86.74	5.8	33.62	8.0	25.5	0.47
F30	05 Mar 2019	35	12.12	87.05	5.7	33.62	8.0	25.5	0.52
F30	05 Mar 2019	36	12.09	86.61	5.7	33.63	8.0	25.5	0.46
F30	05 Mar 2019	37	12.08	86.53	5.7	33.63	8.0	25.5	0.49
F30	05 Mar 2019	38	12.08	86.70	5.7	33.63	8.0	25.5	0.51
F30	05 Mar 2019	39	12.06	86.27	5.6	33.63	8.0	25.5	0.50
F30	05 Mar 2019	40	11.95	86.19	5.5	33.65	8.0	25.6	0.48
F30	05 Mar 2019	41	11.81	85.80	5.4	33.66	8.0	25.6	0.48
F30	05 Mar 2019	42	11.65	86.20	5.4	33.66	8.0	25.6	0.42
F30	05 Mar 2019	43	11.59	87.18	5.4	33.65	8.0	25.6	0.41
F30	05 Mar 2019	44	11.57	87.21	5.4	33.65	8.0	25.6	0.41
F30	05 Mar 2019	45	11.57	87.32	5.3	33.65	8.0	25.6	0.41
F30	05 Mar 2019	46	11.52	87.26	5.3	33.66	7.9	25.6	0.41
F30	05 Mar 2019	47	11.50	87.43	5.3	33.66	7.9	25.6	0.45
F30	05 Mar 2019	48	11.49	87.33	5.3	33.66	7.9	25.6	0.43
F30	05 Mar 2019	49	11.48	87.40	5.3	33.66	7.9	25.6	0.40
F30	05 Mar 2019	50	11.42	87.55	5.3	33.67	7.9	25.7	0.41
F30	05 Mar 2019	51	11.35	87.54	5.2	33.67	7.9	25.7	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	05 Mar 2019	52	11.33	87.67	5.1	33.67	7.9	25.7	0.47
F30	05 Mar 2019	53	11.33	87.45	5.1	33.67	7.9	25.7	0.49
F30	05 Mar 2019	54	11.29	87.66	5.1	33.68	7.9	25.7	0.44
F30	05 Mar 2019	55	11.24	87.58	5.0	33.69	7.9	25.7	0.45
F30	05 Mar 2019	56	11.19	87.56	5.0	33.69	7.9	25.7	0.47
F30	05 Mar 2019	57	11.18	87.59	5.0	33.69	7.9	25.7	0.48
F30	05 Mar 2019	58	11.17	87.51	4.9	33.70	7.9	25.7	0.45
F30	05 Mar 2019	59	11.13	87.13	4.9	33.71	7.9	25.7	0.46
F30	05 Mar 2019	60	11.10	87.14	4.8	33.72	7.9	25.8	0.45
F30	05 Mar 2019	61	11.06	87.17	4.7	33.73	7.9	25.8	0.53
F30	05 Mar 2019	62	11.03	86.87	4.6	33.74	7.9	25.8	1.78
F30	05 Mar 2019	63	10.97	86.73	4.6	33.74	7.9	25.8	1.12
F30	05 Mar 2019	64	10.89	86.49	4.5	33.74	7.9	25.8	0.60
F30	05 Mar 2019	65	10.85	86.15	4.4	33.75	7.9	25.8	0.45
F30	05 Mar 2019	66	10.84	86.37	4.4	33.75	7.9	25.8	0.44
F30	05 Mar 2019	67	10.82	86.53	4.4	33.75	7.9	25.8	0.39
F30	05 Mar 2019	68	10.80	86.35	4.4	33.76	7.9	25.8	0.37
F30	05 Mar 2019	69	10.78	86.49	4.3	33.77	7.9	25.9	0.37
F30	05 Mar 2019	70	10.77	86.66	4.3	33.77	7.8	25.9	0.34
F30	05 Mar 2019	71	10.74	86.90	4.3	33.78	7.8	25.9	0.37
F30	05 Mar 2019	72	10.73	86.54	4.3	33.79	7.8	25.9	0.35
F30	05 Mar 2019	73	10.72	86.85	4.3	33.79	7.8	25.9	0.32
F30	05 Mar 2019	74	10.65	86.64	4.2	33.80	7.8	25.9	0.31
F30	05 Mar 2019	75	10.53	86.37	4.1	33.80	7.8	25.9	0.29
F30	05 Mar 2019	76	10.46	85.85	3.9	33.80	7.8	25.9	0.27
F30	05 Mar 2019	77	10.38	85.56	3.8	33.79	7.8	25.9	0.27
F30	05 Mar 2019	78	10.38	85.16	3.8	33.79	7.8	25.9	0.26
F30	05 Mar 2019	79	10.37	84.96	3.8	33.78	7.8	25.9	0.25
F30	05 Mar 2019	80	10.42	85.35	3.8	33.78	7.8	25.9	0.26
F30	05 Mar 2019	81	10.54	85.53	4.0	33.80	7.8	25.9	0.26
F30	05 Mar 2019	82	10.57	86.65	4.1	33.81	7.8	25.9	0.29
F30	05 Mar 2019	83	10.58	86.85	4.1	33.81	7.8	25.9	0.32
F30	05 Mar 2019	84	10.56	86.62	4.1	33.82	7.8	25.9	0.31
F30	05 Mar 2019	85	10.51	86.91	4.0	33.84	7.8	26.0	0.29
F30	05 Mar 2019	86	10.48	86.27	4.0	33.84	7.8	26.0	0.28
F30	05 Mar 2019	87	10.34	85.83	3.8	33.84	7.8	26.0	0.29
F30	05 Mar 2019	88	10.30	85.61	3.7	33.83	7.8	26.0	0.28
F30	05 Mar 2019	89	10.30	85.63	3.7	33.83	7.8	26.0	0.25
F30	05 Mar 2019	90	10.29	85.57	3.6	33.83	7.8	26.0	0.25
F30	05 Mar 2019	91	10.23	85.16	3.6	33.83	7.8	26.0	0.23
F30	05 Mar 2019	92	10.22	85.15	3.5	33.84	7.8	26.0	0.23
F30	05 Mar 2019	93	10.24	85.55	3.6	33.84	7.8	26.0	0.24
F30	05 Mar 2019	94	10.25	85.38	3.6	33.84	7.8	26.0	0.25
F30	05 Mar 2019	95	10.20	85.19	3.5	33.85	7.8	26.0	0.24
F30	05 Mar 2019	96	10.21	85.37	3.5	33.84	7.8	26.0	0.25
F30	05 Mar 2019	97	10.20	85.22	3.5	33.86	7.8	26.0	0.24
F30	05 Mar 2019	98	10.21	85.54	3.5	33.87	7.8	26.0	0.23
F31	05 Mar 2019	1	14.88	82.85	8.9	33.52	8.2	24.9	0.48
F31	05 Mar 2019	2	14.64	82.76	9.0	33.53	8.2	24.9	0.47
F31	05 Mar 2019	3	14.53	82.49	9.0	33.52	8.2	24.9	0.53
F31	05 Mar 2019	4	14.49	82.68	9.0	33.52	8.2	24.9	0.57
F31	05 Mar 2019	5	14.48	82.48	9.0	33.52	8.2	24.9	0.65
F31	05 Mar 2019	6	14.47	82.03	9.0	33.52	8.2	24.9	0.76
F31	05 Mar 2019	7	14.44	82.30	8.9	33.52	8.2	25.0	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	05 Mar 2019	8	14.41	82.34	8.9	33.52	8.2	25.0	1.04
F31	05 Mar 2019	9	14.37	82.16	8.8	33.53	8.2	25.0	1.13
F31	05 Mar 2019	10	14.35	82.78	8.9	33.53	8.2	25.0	1.18
F31	05 Mar 2019	11	14.33	82.45	8.8	33.53	8.2	25.0	1.46
F31	05 Mar 2019	12	14.29	82.21	8.8	33.54	8.2	25.0	1.48
F31	05 Mar 2019	13	14.27	82.26	8.9	33.54	8.2	25.0	1.52
F31	05 Mar 2019	14	14.23	82.70	8.9	33.55	8.2	25.0	1.49
F31	05 Mar 2019	15	14.12	83.74	8.8	33.57	8.2	25.1	1.46
F31	05 Mar 2019	16	14.07	83.55	8.7	33.56	8.2	25.1	1.65
F31	05 Mar 2019	17	14.01	83.57	8.6	33.57	8.2	25.1	1.78
F31	05 Mar 2019	18	13.91	83.80	8.4	33.58	8.2	25.1	1.69
F31	05 Mar 2019	19	13.87	84.17	8.4	33.58	8.2	25.1	1.47
F31	05 Mar 2019	20	13.86	83.89	8.4	33.58	8.2	25.1	1.54
F31	05 Mar 2019	21	13.85	84.01	8.4	33.58	8.2	25.1	1.42
F31	05 Mar 2019	22	13.82	83.91	8.3	33.58	8.2	25.1	1.33
F31	05 Mar 2019	23	13.74	84.59	8.2	33.59	8.2	25.1	1.16
F31	05 Mar 2019	24	13.64	84.60	7.8	33.58	8.2	25.2	1.16
F31	05 Mar 2019	25	13.53	84.30	7.6	33.59	8.2	25.2	1.17
F31	05 Mar 2019	26	13.31	84.42	7.4	33.60	8.1	25.2	1.07
F31	05 Mar 2019	27	13.12	84.60	7.0	33.62	8.1	25.3	0.88
F31	05 Mar 2019	28	12.80	84.78	6.6	33.62	8.1	25.4	0.85
F31	05 Mar 2019	29	12.72	84.61	6.4	33.61	8.1	25.4	0.90
F31	05 Mar 2019	30	12.53	85.13	6.1	33.63	8.0	25.4	0.91
F31	05 Mar 2019	31	12.04	85.10	5.8	33.66	8.0	25.5	0.73
F31	05 Mar 2019	32	11.89	85.60	5.5	33.65	8.0	25.6	0.61
F31	05 Mar 2019	33	11.83	86.06	5.5	33.65	8.0	25.6	0.50
F31	05 Mar 2019	34	11.76	86.25	5.4	33.65	8.0	25.6	0.47
F31	05 Mar 2019	35	11.73	86.52	5.4	33.65	8.0	25.6	0.43
F31	05 Mar 2019	36	11.66	86.94	5.4	33.65	8.0	25.6	0.44
F31	05 Mar 2019	37	11.61	87.38	5.4	33.65	8.0	25.6	0.45
F31	05 Mar 2019	38	11.61	87.47	5.3	33.65	8.0	25.6	0.48
F31	05 Mar 2019	39	11.60	87.68	5.4	33.65	8.0	25.6	0.54
F31	05 Mar 2019	40	11.59	87.34	5.3	33.65	8.0	25.6	0.47
F31	05 Mar 2019	41	11.52	87.50	5.3	33.66	8.0	25.6	0.46
F31	05 Mar 2019	42	11.45	87.43	5.2	33.67	7.9	25.7	0.44
F31	05 Mar 2019	43	11.41	87.25	5.2	33.67	7.9	25.7	0.45
F31	05 Mar 2019	44	11.37	87.28	5.2	33.67	7.9	25.7	0.45
F31	05 Mar 2019	45	11.37	87.57	5.2	33.67	7.9	25.7	0.50
F31	05 Mar 2019	46	11.33	87.44	5.2	33.67	7.9	25.7	0.48
F31	05 Mar 2019	47	11.33	87.41	5.1	33.67	7.9	25.7	0.46
F31	05 Mar 2019	48	11.30	87.70	5.1	33.68	7.9	25.7	0.49
F31	05 Mar 2019	49	11.20	87.51	5.0	33.70	7.9	25.7	0.49
F31	05 Mar 2019	50	11.15	87.48	5.0	33.70	7.9	25.7	0.51
F31	05 Mar 2019	51	11.15	87.45	4.9	33.70	7.9	25.7	0.43
F31	05 Mar 2019	52	11.14	87.30	4.9	33.70	7.9	25.7	0.43
F31	05 Mar 2019	53	11.14	87.09	4.9	33.70	7.9	25.7	0.44
F31	05 Mar 2019	54	11.14	87.12	4.9	33.70	7.9	25.7	0.44
F31	05 Mar 2019	55	11.14	87.11	4.9	33.70	7.9	25.7	0.43
F31	05 Mar 2019	56	11.14	87.03	4.8	33.72	7.9	25.8	0.42
F31	05 Mar 2019	57	11.09	86.88	4.7	33.73	7.9	25.8	0.42
F31	05 Mar 2019	58	10.99	86.70	4.6	33.75	7.9	25.8	0.46
F31	05 Mar 2019	59	10.96	86.86	4.6	33.75	7.9	25.8	0.39
F31	05 Mar 2019	60	10.96	86.49	4.6	33.75	7.9	25.8	0.36
F31	05 Mar 2019	61	10.96	86.68	4.6	33.75	7.9	25.8	0.43
F31	05 Mar 2019	62	10.96	86.72	4.5	33.75	7.9	25.8	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	05 Mar 2019	63	10.95	86.71	4.5	33.75	7.9	25.8	0.39
F31	05 Mar 2019	64	10.93	86.61	4.5	33.76	7.9	25.8	0.34
F31	05 Mar 2019	65	10.90	86.51	4.5	33.76	7.9	25.8	0.34
F31	05 Mar 2019	66	10.89	86.59	4.5	33.77	7.9	25.8	0.35
F31	05 Mar 2019	67	10.87	86.71	4.4	33.77	7.9	25.8	0.37
F31	05 Mar 2019	68	10.87	86.42	4.4	33.77	7.9	25.8	0.34
F31	05 Mar 2019	69	10.86	86.36	4.4	33.77	7.9	25.8	0.37
F31	05 Mar 2019	70	10.85	86.48	4.4	33.77	7.9	25.8	0.41
F31	05 Mar 2019	71	10.85	86.64	4.4	33.77	7.9	25.8	0.44
F31	05 Mar 2019	72	10.84	86.53	4.4	33.77	7.9	25.8	0.46
F31	05 Mar 2019	73	10.83	86.59	4.4	33.77	7.9	25.9	0.44
F31	05 Mar 2019	74	10.81	86.78	4.4	33.78	7.9	25.9	0.36
F31	05 Mar 2019	75	10.66	86.66	4.2	33.81	7.9	25.9	0.34
F31	05 Mar 2019	76	10.62	86.45	4.2	33.81	7.8	25.9	0.34
F31	05 Mar 2019	77	10.60	86.38	4.1	33.81	7.8	25.9	0.33
F31	05 Mar 2019	78	10.60	86.35	4.1	33.81	7.8	25.9	0.34
F31	05 Mar 2019	79	10.60	85.69	4.1	33.81	7.8	25.9	0.35
F31	05 Mar 2019	80	10.60	86.16	4.1	33.81	7.8	25.9	0.32
F31	05 Mar 2019	81	10.59	85.98	4.0	33.81	7.8	25.9	0.30
F31	05 Mar 2019	82	10.57	86.18	4.0	33.81	7.8	25.9	0.30
F31	05 Mar 2019	83	10.53	86.00	3.9	33.81	7.8	25.9	0.28
F31	05 Mar 2019	84	10.52	85.64	3.9	33.81	7.8	25.9	0.28
F31	05 Mar 2019	85	10.53	85.89	3.9	33.81	7.8	25.9	0.37
F31	05 Mar 2019	86	10.38	85.60	3.8	33.82	7.8	26.0	0.25
F31	05 Mar 2019	87	10.37	85.40	3.7	33.82	7.8	26.0	0.25
F31	05 Mar 2019	88	10.37	85.24	3.7	33.82	7.8	26.0	0.25
F31	05 Mar 2019	89	10.35	85.54	3.6	33.83	7.8	26.0	0.25
F31	05 Mar 2019	90	10.34	85.66	3.6	33.83	7.8	26.0	0.24
F31	05 Mar 2019	91	10.32	85.67	3.6	33.84	7.8	26.0	0.24
F31	05 Mar 2019	92	10.29	85.79	3.6	33.86	7.8	26.0	0.24
F31	05 Mar 2019	93	10.28	85.70	3.6	33.86	7.8	26.0	0.24
F31	05 Mar 2019	94	10.28	85.92	3.6	33.89	7.8	26.0	0.22
F31	05 Mar 2019	95	10.28	86.16	3.6	33.90	7.8	26.0	0.24
F31	05 Mar 2019	96	10.26	85.54	3.6	33.91	7.8	26.1	0.25
F31	05 Mar 2019	97	10.12	84.54	3.5	33.96	7.8	26.1	0.26
F31	05 Mar 2019	98	10.09	84.28	3.4	33.96	7.8	26.1	0.28
F31	05 Mar 2019	99	10.08	84.20	3.4	33.96	7.8	26.1	0.28
F32	05 Mar 2019	1	14.61	84.02	9.1	33.54	8.2	24.9	0.40
F32	05 Mar 2019	2	14.56	83.62	9.1	33.54	8.2	24.9	0.41
F32	05 Mar 2019	3	14.53	83.92	9.1	33.54	8.2	24.9	0.43
F32	05 Mar 2019	4	14.50	84.20	9.2	33.55	8.2	25.0	0.46
F32	05 Mar 2019	5	14.47	84.42	9.2	33.55	8.2	25.0	0.43
F32	05 Mar 2019	6	14.44	84.52	9.2	33.55	8.2	25.0	0.48
F32	05 Mar 2019	7	14.40	84.62	9.2	33.54	8.2	25.0	0.49
F32	05 Mar 2019	8	14.35	84.35	9.2	33.54	8.2	25.0	0.52
F32	05 Mar 2019	9	14.23	85.13	9.1	33.55	8.2	25.0	0.57
F32	05 Mar 2019	10	14.20	84.89	9.1	33.55	8.2	25.0	0.63
F32	05 Mar 2019	11	14.18	84.32	9.0	33.55	8.2	25.0	0.77
F32	05 Mar 2019	12	14.17	83.75	9.0	33.55	8.2	25.0	0.95
F32	05 Mar 2019	13	14.18	83.59	8.9	33.55	8.2	25.0	0.86
F32	05 Mar 2019	14	14.14	84.99	8.9	33.56	8.2	25.0	0.75
F32	05 Mar 2019	15	14.09	84.85	8.9	33.56	8.2	25.1	0.73
F32	05 Mar 2019	16	14.07	85.62	8.8	33.56	8.2	25.1	0.78
F32	05 Mar 2019	17	14.06	85.85	8.7	33.57	8.2	25.1	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	05 Mar 2019	18	14.02	85.76	8.6	33.58	8.2	25.1	0.74
F32	05 Mar 2019	19	14.03	86.36	8.5	33.60	8.2	25.1	0.63
F32	05 Mar 2019	20	13.98	86.97	8.4	33.62	8.2	25.1	0.59
F32	05 Mar 2019	21	13.94	87.33	8.4	33.61	8.2	25.1	0.52
F32	05 Mar 2019	22	13.90	87.42	8.3	33.62	8.2	25.1	0.53
F32	05 Mar 2019	23	13.82	87.18	8.2	33.61	8.2	25.2	0.62
F32	05 Mar 2019	24	13.72	86.92	8.2	33.60	8.2	25.2	0.77
F32	05 Mar 2019	25	13.69	86.71	8.1	33.59	8.2	25.2	0.83
F32	05 Mar 2019	26	13.61	86.23	8.0	33.58	8.2	25.2	0.88
F32	05 Mar 2019	27	13.57	85.92	7.9	33.58	8.2	25.2	1.14
F32	05 Mar 2019	28	13.52	86.05	7.8	33.58	8.2	25.2	1.28
F32	05 Mar 2019	29	13.45	86.00	7.6	33.58	8.1	25.2	1.10
F32	05 Mar 2019	30	13.28	85.49	7.4	33.59	8.1	25.2	0.80
F32	05 Mar 2019	31	13.22	84.27	7.2	33.59	8.1	25.3	0.68
F32	05 Mar 2019	32	13.16	84.11	7.2	33.59	8.1	25.3	0.55
F32	05 Mar 2019	33	13.12	84.08	7.1	33.59	8.1	25.3	0.63
F32	05 Mar 2019	34	13.07	84.39	7.0	33.59	8.1	25.3	0.74
F32	05 Mar 2019	35	13.03	84.76	7.0	33.59	8.1	25.3	1.04
F32	05 Mar 2019	36	13.01	84.76	6.9	33.60	8.1	25.3	0.94
F32	05 Mar 2019	37	12.98	84.90	6.8	33.60	8.1	25.3	1.06
F32	05 Mar 2019	38	12.86	84.70	6.7	33.61	8.1	25.3	0.81
F32	05 Mar 2019	39	12.72	85.12	6.4	33.62	8.1	25.4	0.68
F32	05 Mar 2019	40	12.54	85.30	6.2	33.62	8.0	25.4	0.70
F32	05 Mar 2019	41	12.35	85.55	5.9	33.63	8.0	25.5	0.62
F32	05 Mar 2019	42	12.15	86.50	5.7	33.64	8.0	25.5	0.49
F32	05 Mar 2019	43	11.91	87.17	5.5	33.65	8.0	25.6	0.44
F32	05 Mar 2019	44	11.75	87.58	5.4	33.64	8.0	25.6	0.46
F32	05 Mar 2019	45	11.69	87.68	5.4	33.64	7.9	25.6	0.49
F32	05 Mar 2019	46	11.57	87.48	5.3	33.66	7.9	25.6	0.42
F32	05 Mar 2019	47	11.47	87.55	5.2	33.66	7.9	25.6	0.47
F32	05 Mar 2019	48	11.40	87.48	5.2	33.67	7.9	25.7	0.51
F32	05 Mar 2019	49	11.37	87.58	5.2	33.66	7.9	25.7	0.48
F32	05 Mar 2019	50	11.34	87.72	5.2	33.67	7.9	25.7	0.51
F32	05 Mar 2019	51	11.30	87.72	5.2	33.67	7.9	25.7	0.54
F32	05 Mar 2019	52	11.28	87.77	5.2	33.67	7.9	25.7	0.53
F32	05 Mar 2019	53	11.27	87.80	5.1	33.67	7.9	25.7	0.52
F32	05 Mar 2019	54	11.26	87.85	5.1	33.68	7.9	25.7	0.50
F32	05 Mar 2019	55	11.25	87.66	5.1	33.68	7.9	25.7	0.49
F32	05 Mar 2019	56	11.25	87.46	5.1	33.68	7.9	25.7	0.46
F32	05 Mar 2019	57	11.24	87.01	5.1	33.68	7.9	25.7	0.49
F32	05 Mar 2019	58	11.23	87.37	5.1	33.69	7.9	25.7	0.46
F32	05 Mar 2019	59	11.23	87.45	5.1	33.69	7.9	25.7	0.45
F32	05 Mar 2019	60	11.22	87.37	5.0	33.69	7.9	25.7	0.52
F32	05 Mar 2019	61	11.21	87.14	5.0	33.69	7.9	25.7	0.46
F32	05 Mar 2019	62	11.20	87.30	5.0	33.69	7.9	25.7	0.44
F32	05 Mar 2019	63	11.16	87.51	4.9	33.70	7.9	25.7	0.44
F32	05 Mar 2019	64	10.96	87.12	4.8	33.73	7.9	25.8	0.46
F32	05 Mar 2019	65	10.89	86.63	4.7	33.74	7.9	25.8	0.53
F32	05 Mar 2019	66	10.86	86.57	4.7	33.74	7.9	25.8	0.53
F32	05 Mar 2019	67	10.85	86.57	4.6	33.74	7.9	25.8	0.50
F32	05 Mar 2019	68	10.84	86.39	4.6	33.74	7.9	25.8	0.42
F32	05 Mar 2019	69	10.83	86.58	4.6	33.74	7.9	25.8	0.37
F32	05 Mar 2019	70	10.82	86.63	4.6	33.74	7.9	25.8	0.38
F32	05 Mar 2019	71	10.82	86.65	4.6	33.74	7.9	25.8	0.40
F32	05 Mar 2019	72	10.81	86.25	4.6	33.75	7.9	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	05 Mar 2019	73	10.81	86.66	4.6	33.75	7.9	25.8	0.39
F32	05 Mar 2019	74	10.78	86.83	4.5	33.76	7.9	25.8	0.39
F32	05 Mar 2019	75	10.76	86.51	4.4	33.77	7.9	25.9	0.42
F32	05 Mar 2019	76	10.74	86.72	4.4	33.78	7.9	25.9	0.51
F32	05 Mar 2019	77	10.72	86.79	4.4	33.78	7.9	25.9	0.42
F32	05 Mar 2019	78	10.70	86.92	4.3	33.78	7.8	25.9	0.36
F32	05 Mar 2019	79	10.66	86.98	4.2	33.80	7.8	25.9	0.33
F32	05 Mar 2019	80	10.61	87.10	4.2	33.81	7.8	25.9	0.32
F32	05 Mar 2019	81	10.57	87.15	4.2	33.81	7.8	25.9	0.32
F32	05 Mar 2019	82	10.57	87.24	4.1	33.81	7.8	25.9	0.30
F32	05 Mar 2019	83	10.55	87.45	4.1	33.82	7.8	25.9	0.29
F32	05 Mar 2019	84	10.51	87.47	4.1	33.83	7.8	25.9	0.29
F32	05 Mar 2019	85	10.51	87.11	4.1	33.83	7.8	26.0	0.33
F32	05 Mar 2019	86	10.49	87.35	4.0	33.84	7.8	26.0	0.28
F32	05 Mar 2019	87	10.48	87.17	4.0	33.84	7.8	26.0	0.28
F32	05 Mar 2019	88	10.39	86.80	3.8	33.85	7.8	26.0	0.28
F32	05 Mar 2019	89	10.31	85.98	3.7	33.85	7.8	26.0	0.26
F32	05 Mar 2019	90	10.30	86.19	3.6	33.85	7.8	26.0	0.22
F32	05 Mar 2019	91	10.30	86.30	3.6	33.85	7.8	26.0	0.23
F32	05 Mar 2019	92	10.29	86.41	3.6	33.86	7.8	26.0	0.23
F32	05 Mar 2019	93	10.29	86.59	3.6	33.87	7.8	26.0	0.21
F32	05 Mar 2019	94	10.31	86.63	3.7	33.88	7.8	26.0	0.20
F32	05 Mar 2019	95	10.31	87.29	3.7	33.88	7.8	26.0	0.21
F32	05 Mar 2019	96	10.30	86.88	3.7	33.90	7.8	26.0	0.24
F32	05 Mar 2019	97	10.28	86.67	3.7	33.90	7.8	26.0	0.24
F32	05 Mar 2019	98	10.27	86.57	3.7	33.90	7.8	26.0	0.26
F32	05 Mar 2019	99	10.25	86.50	3.6	33.91	7.8	26.1	0.25
F32	05 Mar 2019	100	10.21	85.85	3.6	33.93	7.8	26.1	0.27
F32	05 Mar 2019	101	10.19	84.81	3.5	33.94	7.8	26.1	0.28
F33	05 Mar 2019	1	14.77	86.01	9.2	33.54	8.2	24.9	0.23
F33	05 Mar 2019	2	14.63	85.96	9.2	33.55	8.2	24.9	0.24
F33	05 Mar 2019	3	14.58	85.55	9.2	33.54	8.2	24.9	0.25
F33	05 Mar 2019	4	14.54	85.59	9.1	33.54	8.2	24.9	0.27
F33	05 Mar 2019	5	14.49	85.50	9.1	33.54	8.2	25.0	0.30
F33	05 Mar 2019	6	14.48	85.34	9.1	33.54	8.2	25.0	0.34
F33	05 Mar 2019	7	14.48	84.93	9.1	33.54	8.2	25.0	0.36
F33	05 Mar 2019	8	14.48	84.74	9.1	33.54	8.2	25.0	0.39
F33	05 Mar 2019	9	14.47	85.31	9.1	33.54	8.2	25.0	0.45
F33	05 Mar 2019	10	14.47	85.24	9.2	33.55	8.2	25.0	0.45
F33	05 Mar 2019	11	14.47	85.40	9.1	33.55	8.2	25.0	0.47
F33	05 Mar 2019	12	14.47	84.97	9.0	33.55	8.2	25.0	0.58
F33	05 Mar 2019	13	14.47	85.33	8.9	33.55	8.2	25.0	0.58
F33	05 Mar 2019	14	14.50	85.58	8.9	33.57	8.2	25.0	0.52
F33	05 Mar 2019	15	14.50	85.80	8.9	33.60	8.2	25.0	0.49
F33	05 Mar 2019	16	14.45	85.97	9.1	33.60	8.2	25.0	0.44
F33	05 Mar 2019	17	14.42	85.85	9.3	33.60	8.2	25.0	0.45
F33	05 Mar 2019	18	14.41	85.82	9.4	33.60	8.3	25.0	0.44
F33	05 Mar 2019	19	14.40	85.99	9.4	33.59	8.3	25.0	0.48
F33	05 Mar 2019	20	14.38	85.76	9.4	33.60	8.3	25.0	0.43
F33	05 Mar 2019	21	14.29	86.03	9.5	33.60	8.3	25.0	0.47
F33	05 Mar 2019	22	14.23	86.08	9.5	33.60	8.3	25.1	0.46
F33	05 Mar 2019	23	14.20	86.24	9.5	33.60	8.3	25.1	0.43
F33	05 Mar 2019	24	14.07	86.16	9.5	33.61	8.3	25.1	0.45
F33	05 Mar 2019	25	13.79	86.43	9.3	33.63	8.2	25.2	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	05 Mar 2019	26	13.57	86.47	9.2	33.62	8.2	25.2	0.53
F33	05 Mar 2019	27	13.52	86.52	8.9	33.61	8.2	25.2	0.56
F33	05 Mar 2019	28	13.45	86.53	8.4	33.61	8.2	25.2	0.61
F33	05 Mar 2019	29	13.40	87.09	7.9	33.60	8.2	25.2	0.69
F33	05 Mar 2019	30	13.40	87.52	7.8	33.60	8.1	25.2	0.72
F33	05 Mar 2019	31	13.40	87.52	7.8	33.60	8.1	25.2	0.70
F33	05 Mar 2019	32	13.38	87.44	7.7	33.60	8.1	25.2	0.60
F33	05 Mar 2019	33	13.36	87.37	7.6	33.60	8.1	25.2	0.74
F33	05 Mar 2019	34	13.35	87.36	7.5	33.60	8.1	25.2	0.65
F33	05 Mar 2019	35	13.32	87.34	7.4	33.60	8.1	25.2	0.55
F33	05 Mar 2019	36	13.26	87.21	7.3	33.59	8.1	25.3	0.55
F33	05 Mar 2019	37	13.16	87.04	7.2	33.59	8.1	25.3	0.58
F33	05 Mar 2019	38	13.11	87.18	7.0	33.59	8.1	25.3	0.48
F33	05 Mar 2019	39	12.96	85.30	6.7	33.61	8.1	25.3	0.51
F33	05 Mar 2019	40	12.51	84.03	6.3	33.63	8.0	25.4	0.48
F33	05 Mar 2019	41	12.42	84.49	6.0	33.62	8.0	25.4	0.54
F33	05 Mar 2019	42	12.35	84.54	5.9	33.62	8.0	25.5	0.44
F33	05 Mar 2019	43	12.34	84.74	5.9	33.62	8.0	25.5	0.46
F33	05 Mar 2019	44	12.32	84.81	5.9	33.62	8.0	25.5	0.47
F33	05 Mar 2019	45	12.27	84.90	5.9	33.63	8.0	25.5	0.66
F33	05 Mar 2019	46	12.21	85.29	5.8	33.63	8.0	25.5	0.61
F33	05 Mar 2019	47	12.13	85.53	5.8	33.64	8.0	25.5	0.49
F33	05 Mar 2019	48	12.06	85.62	5.7	33.64	8.0	25.5	0.46
F33	05 Mar 2019	49	12.00	85.77	5.6	33.65	8.0	25.5	0.55
F33	05 Mar 2019	50	11.93	85.88	5.5	33.65	8.0	25.6	0.63
F33	05 Mar 2019	51	11.90	85.81	5.5	33.65	8.0	25.6	0.57
F33	05 Mar 2019	52	11.86	85.90	5.5	33.65	8.0	25.6	0.51
F33	05 Mar 2019	53	11.85	85.79	5.5	33.65	8.0	25.6	0.53
F33	05 Mar 2019	54	11.86	85.95	5.4	33.65	8.0	25.6	0.50
F33	05 Mar 2019	55	11.85	85.94	5.4	33.65	8.0	25.6	0.51
F33	05 Mar 2019	56	11.85	86.14	5.4	33.65	8.0	25.6	0.44
F33	05 Mar 2019	57	11.83	86.24	5.4	33.66	8.0	25.6	0.43
F33	05 Mar 2019	58	11.63	86.12	5.3	33.67	7.9	25.6	0.41
F33	05 Mar 2019	59	11.58	86.21	5.2	33.67	7.9	25.6	0.43
F33	05 Mar 2019	60	11.50	86.36	5.1	33.68	7.9	25.7	0.42
F33	05 Mar 2019	61	11.45	86.34	5.1	33.68	7.9	25.7	0.41
F33	05 Mar 2019	62	11.30	86.54	5.0	33.69	7.9	25.7	0.44
F33	05 Mar 2019	63	11.27	86.81	5.0	33.68	7.9	25.7	0.41
F33	05 Mar 2019	64	11.23	87.13	5.0	33.69	7.9	25.7	0.41
F33	05 Mar 2019	65	11.13	87.30	5.0	33.70	7.9	25.7	0.44
F33	05 Mar 2019	66	11.09	87.35	4.9	33.70	7.9	25.7	0.47
F33	05 Mar 2019	67	11.06	87.08	4.9	33.71	7.9	25.8	0.45
F33	05 Mar 2019	68	11.02	87.11	4.8	33.71	7.9	25.8	0.45
F33	05 Mar 2019	69	11.00	87.02	4.8	33.72	7.9	25.8	0.43
F33	05 Mar 2019	70	10.97	86.89	4.7	33.73	7.9	25.8	0.41
F33	05 Mar 2019	71	10.86	86.44	4.5	33.76	7.9	25.8	0.42
F33	05 Mar 2019	72	10.73	85.93	4.4	33.78	7.9	25.9	0.36
F33	05 Mar 2019	73	10.71	85.65	4.3	33.78	7.8	25.9	0.34
F33	05 Mar 2019	74	10.70	85.48	4.3	33.78	7.8	25.9	0.37
F33	05 Mar 2019	75	10.69	85.74	4.3	33.79	7.8	25.9	0.36
F33	05 Mar 2019	76	10.67	85.56	4.3	33.79	7.8	25.9	0.36
F33	05 Mar 2019	77	10.67	85.94	4.3	33.79	7.8	25.9	0.35
F33	05 Mar 2019	78	10.65	86.06	4.2	33.80	7.8	25.9	0.36
F33	05 Mar 2019	79	10.58	86.02	4.1	33.81	7.8	25.9	0.37
F33	05 Mar 2019	80	10.56	86.44	4.1	33.81	7.8	25.9	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	05 Mar 2019	81	10.52	86.59	4.0	33.82	7.8	25.9	0.27
F33	05 Mar 2019	82	10.50	86.75	4.0	33.82	7.8	25.9	0.28
F33	05 Mar 2019	83	10.48	86.57	3.9	33.83	7.8	26.0	0.24
F33	05 Mar 2019	84	10.48	86.59	3.9	33.83	7.8	26.0	0.24
F33	05 Mar 2019	85	10.48	86.68	3.9	33.83	7.8	26.0	0.24
F33	05 Mar 2019	86	10.46	86.59	3.9	33.83	7.8	26.0	0.25
F33	05 Mar 2019	87	10.46	86.80	3.9	33.83	7.8	26.0	0.23
F33	05 Mar 2019	88	10.46	86.79	3.9	33.83	7.8	26.0	0.24
F33	05 Mar 2019	89	10.45	86.97	3.9	33.84	7.8	26.0	0.25
F33	05 Mar 2019	90	10.44	87.11	3.9	33.85	7.8	26.0	0.25
F33	05 Mar 2019	91	10.43	87.34	3.9	33.85	7.8	26.0	0.23
F33	05 Mar 2019	92	10.42	87.47	3.9	33.86	7.8	26.0	0.23
F33	05 Mar 2019	93	10.41	87.45	3.9	33.86	7.8	26.0	0.23
F33	05 Mar 2019	94	10.40	87.49	3.9	33.87	7.8	26.0	0.21
F33	05 Mar 2019	95	10.38	87.55	3.8	33.87	7.8	26.0	0.22
F33	05 Mar 2019	96	10.36	87.60	3.8	33.88	7.8	26.0	0.25
F33	05 Mar 2019	97	10.34	87.43	3.8	33.89	7.8	26.0	0.25
F33	05 Mar 2019	98	10.32	87.18	3.7	33.89	7.8	26.0	0.24
F33	05 Mar 2019	99	10.27	86.10	3.6	33.91	7.8	26.1	0.24
F33	05 Mar 2019	100	10.15	83.95	3.4	33.96	7.8	26.1	0.27
F33	05 Mar 2019	101	10.14	83.39	3.4	33.96	7.8	26.1	0.29
F33	05 Mar 2019	102	10.14	82.76	3.4	33.96	7.8	26.1	0.32
F34	05 Mar 2019	1	14.74	86.05	8.8	33.61	8.2	25.0	0.20
F34	05 Mar 2019	2	14.72	85.79	8.8	33.61	8.2	25.0	0.22
F34	05 Mar 2019	3	14.69	86.08	8.8	33.61	8.2	25.0	0.21
F34	05 Mar 2019	4	14.68	86.01	8.9	33.61	8.2	25.0	0.20
F34	05 Mar 2019	5	14.66	86.24	8.9	33.61	8.2	25.0	0.23
F34	05 Mar 2019	6	14.59	86.31	9.1	33.60	8.2	25.0	0.22
F34	05 Mar 2019	7	14.53	86.20	9.2	33.60	8.3	25.0	0.21
F34	05 Mar 2019	8	14.45	86.16	9.4	33.59	8.3	25.0	0.21
F34	05 Mar 2019	9	14.41	86.22	9.3	33.59	8.3	25.0	0.22
F34	05 Mar 2019	10	14.38	86.22	9.3	33.59	8.3	25.0	0.26
F34	05 Mar 2019	11	14.35	86.27	9.4	33.59	8.3	25.0	0.24
F34	05 Mar 2019	12	14.33	86.44	9.5	33.59	8.3	25.0	0.25
F34	05 Mar 2019	13	14.24	86.71	9.4	33.60	8.3	25.1	0.25
F34	05 Mar 2019	14	14.12	86.65	9.4	33.60	8.2	25.1	0.23
F34	05 Mar 2019	15	14.04	86.63	9.3	33.60	8.2	25.1	0.23
F34	05 Mar 2019	16	13.92	87.15	9.2	33.61	8.2	25.1	0.24
F34	05 Mar 2019	17	13.86	87.32	9.2	33.60	8.2	25.1	0.25
F34	05 Mar 2019	18	13.84	87.12	9.2	33.60	8.2	25.1	0.28
F34	05 Mar 2019	19	13.83	87.09	9.2	33.60	8.2	25.1	0.30
F34	05 Mar 2019	20	13.82	87.48	9.2	33.60	8.2	25.1	0.30
F34	05 Mar 2019	21	13.80	87.67	9.1	33.61	8.2	25.2	0.32
F34	05 Mar 2019	22	13.70	87.54	8.9	33.61	8.2	25.2	0.33
F34	05 Mar 2019	23	13.60	87.52	8.9	33.61	8.2	25.2	0.41
F34	05 Mar 2019	24	13.55	87.73	9.0	33.61	8.2	25.2	0.46
F34	05 Mar 2019	25	13.53	87.79	9.1	33.61	8.2	25.2	0.53
F34	05 Mar 2019	26	13.42	87.27	8.9	33.62	8.2	25.2	0.47
F34	05 Mar 2019	27	13.34	87.08	8.7	33.62	8.2	25.3	0.57
F34	05 Mar 2019	28	13.31	86.93	8.6	33.62	8.2	25.3	0.61
F34	05 Mar 2019	29	13.25	86.88	8.3	33.62	8.2	25.3	0.67
F34	05 Mar 2019	30	13.15	86.99	8.0	33.62	8.1	25.3	0.73
F34	05 Mar 2019	31	13.11	86.85	7.8	33.62	8.1	25.3	0.89
F34	05 Mar 2019	32	13.06	87.00	7.7	33.62	8.1	25.3	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	05 Mar 2019	33	13.06	87.11	7.6	33.62	8.1	25.3	1.16
F34	05 Mar 2019	34	13.01	87.13	7.6	33.62	8.1	25.3	0.91
F34	05 Mar 2019	35	13.01	87.05	7.6	33.62	8.1	25.3	0.92
F34	05 Mar 2019	36	12.98	87.79	7.6	33.62	8.1	25.3	0.91
F34	05 Mar 2019	37	12.96	87.88	7.5	33.62	8.1	25.3	0.66
F34	05 Mar 2019	38	12.96	87.82	7.5	33.62	8.1	25.3	0.53
F34	05 Mar 2019	39	12.95	87.75	7.4	33.62	8.1	25.3	0.63
F34	05 Mar 2019	40	12.92	87.70	7.2	33.62	8.1	25.3	0.47
F34	05 Mar 2019	41	12.85	87.58	6.9	33.61	8.1	25.3	0.58
F34	05 Mar 2019	42	12.78	87.43	6.6	33.61	8.1	25.4	0.51
F34	05 Mar 2019	43	12.65	87.32	6.4	33.61	8.0	25.4	0.44
F34	05 Mar 2019	44	12.58	87.06	6.2	33.61	8.0	25.4	0.42
F34	05 Mar 2019	45	12.52	86.69	6.2	33.61	8.0	25.4	0.44
F34	05 Mar 2019	46	12.50	86.56	6.2	33.61	8.0	25.4	0.47
F34	05 Mar 2019	47	12.49	86.45	6.1	33.61	8.0	25.4	0.62
F34	05 Mar 2019	48	12.48	86.37	6.1	33.61	8.0	25.4	0.57
F34	05 Mar 2019	49	12.44	86.31	6.1	33.61	8.0	25.4	0.50
F34	05 Mar 2019	50	12.41	86.17	6.1	33.61	8.0	25.4	0.43
F34	05 Mar 2019	51	12.39	86.10	6.0	33.61	8.0	25.4	0.44
F34	05 Mar 2019	52	12.36	86.16	6.0	33.62	8.0	25.4	0.41
F34	05 Mar 2019	53	12.27	85.89	5.9	33.62	8.0	25.5	0.42
F34	05 Mar 2019	54	12.23	85.82	5.8	33.62	8.0	25.5	0.42
F34	05 Mar 2019	55	12.16	85.60	5.7	33.63	8.0	25.5	0.45
F34	05 Mar 2019	56	12.10	85.68	5.7	33.63	8.0	25.5	0.46
F34	05 Mar 2019	57	12.07	84.60	5.6	33.63	8.0	25.5	0.43
F34	05 Mar 2019	58	11.97	84.40	5.5	33.64	8.0	25.5	0.46
F34	05 Mar 2019	59	11.92	85.35	5.5	33.64	8.0	25.5	0.44
F34	05 Mar 2019	60	11.84	86.22	5.4	33.65	8.0	25.6	0.41
F34	05 Mar 2019	61	11.78	85.90	5.3	33.65	7.9	25.6	0.41
F34	05 Mar 2019	62	11.59	86.11	5.3	33.67	7.9	25.6	0.42
F34	05 Mar 2019	63	11.44	86.13	5.2	33.67	7.9	25.7	0.45
F34	05 Mar 2019	64	11.35	87.16	5.1	33.68	7.9	25.7	0.44
F34	05 Mar 2019	65	11.26	86.90	5.0	33.69	7.9	25.7	0.45
F34	05 Mar 2019	66	11.18	87.19	5.0	33.69	7.9	25.7	0.50
F34	05 Mar 2019	67	11.05	87.48	4.9	33.70	7.9	25.8	0.47
F34	05 Mar 2019	68	10.94	87.33	4.9	33.71	7.9	25.8	0.44
F34	05 Mar 2019	69	10.89	87.75	4.9	33.71	7.9	25.8	0.48
F34	05 Mar 2019	70	10.88	87.56	4.8	33.71	7.9	25.8	0.50
F34	05 Mar 2019	71	10.85	87.99	4.8	33.72	7.9	25.8	0.54
F34	05 Mar 2019	72	10.82	87.74	4.8	33.73	7.9	25.8	0.49
F34	05 Mar 2019	73	10.81	87.55	4.7	33.73	7.9	25.8	0.52
F34	05 Mar 2019	74	10.81	87.30	4.7	33.74	7.9	25.8	0.39
F34	05 Mar 2019	75	10.80	87.03	4.6	33.74	7.9	25.8	0.41
F34	05 Mar 2019	76	10.78	87.00	4.6	33.74	7.9	25.8	0.40
F34	05 Mar 2019	77	10.77	86.47	4.5	33.76	7.9	25.8	0.39
F34	05 Mar 2019	78	10.76	86.00	4.5	33.76	7.9	25.9	0.41
F34	05 Mar 2019	79	10.76	85.87	4.4	33.77	7.9	25.9	0.40
F34	05 Mar 2019	80	10.74	85.30	4.3	33.78	7.8	25.9	0.33
F34	05 Mar 2019	81	10.71	85.15	4.2	33.80	7.8	25.9	0.35
F34	05 Mar 2019	82	10.66	85.24	4.2	33.80	7.8	25.9	0.33
F34	05 Mar 2019	83	10.64	85.42	4.2	33.80	7.8	25.9	0.30
F34	05 Mar 2019	84	10.62	85.26	4.2	33.81	7.8	25.9	0.30
F34	05 Mar 2019	85	10.60	85.17	4.1	33.81	7.8	25.9	0.29
F34	05 Mar 2019	86	10.59	85.16	4.1	33.82	7.8	25.9	0.32
F34	05 Mar 2019	87	10.56	85.03	4.0	33.83	7.8	25.9	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	05 Mar 2019	88	10.52	85.12	4.0	33.83	7.8	25.9	0.30
F34	05 Mar 2019	89	10.51	85.41	4.0	33.83	7.8	26.0	0.35
F34	05 Mar 2019	90	10.49	85.26	3.9	33.84	7.8	26.0	0.30
F34	05 Mar 2019	91	10.47	85.17	3.9	33.85	7.8	26.0	0.30
F34	05 Mar 2019	92	10.45	84.81	3.8	33.85	7.8	26.0	0.29
F34	05 Mar 2019	93	10.45	84.52	3.8	33.86	7.8	26.0	0.27
F34	05 Mar 2019	94	10.44	83.98	3.7	33.86	7.8	26.0	0.28
F34	05 Mar 2019	95	10.42	83.27	3.7	33.88	7.8	26.0	0.29
F34	05 Mar 2019	96	10.38	83.11	3.7	33.89	7.8	26.0	0.31
F34	05 Mar 2019	97	10.36	83.31	3.7	33.89	7.8	26.0	0.30
F34	05 Mar 2019	98	10.35	83.36	3.6	33.89	7.8	26.0	0.31
F34	05 Mar 2019	99	10.27	84.04	3.6	33.91	7.8	26.1	0.37
F34	05 Mar 2019	100	10.25	83.96	3.6	33.91	7.8	26.1	0.35
F34	05 Mar 2019	101	10.21	83.97	3.5	33.93	7.8	26.1	0.36
F34	05 Mar 2019	102	10.21	83.18	3.5	33.94	7.8	26.1	0.34
F35	05 Mar 2019	1	14.73	87.11	9.4	33.59	8.3	24.9	0.16
F35	05 Mar 2019	2	14.74	86.81	9.4	33.60	8.3	24.9	0.16
F35	05 Mar 2019	3	14.70	86.94	9.3	33.60	8.3	25.0	0.16
F35	05 Mar 2019	4	14.64	86.96	9.3	33.60	8.3	25.0	0.17
F35	05 Mar 2019	5	14.52	86.79	9.3	33.60	8.3	25.0	0.19
F35	05 Mar 2019	6	14.51	86.59	9.3	33.59	8.3	25.0	0.21
F35	05 Mar 2019	7	14.51	86.58	9.3	33.59	8.3	25.0	0.23
F35	05 Mar 2019	8	14.50	86.57	9.3	33.59	8.3	25.0	0.24
F35	05 Mar 2019	9	14.48	86.55	9.3	33.59	8.3	25.0	0.25
F35	05 Mar 2019	10	14.35	86.63	9.3	33.60	8.3	25.0	0.23
F35	05 Mar 2019	11	14.21	86.62	9.3	33.60	8.2	25.1	0.23
F35	05 Mar 2019	12	14.19	86.50	9.3	33.59	8.2	25.1	0.28
F35	05 Mar 2019	13	14.18	86.75	9.3	33.59	8.2	25.1	0.29
F35	05 Mar 2019	14	14.18	86.69	9.3	33.59	8.2	25.1	0.28
F35	05 Mar 2019	15	14.16	86.71	9.2	33.59	8.2	25.1	0.24
F35	05 Mar 2019	16	14.10	86.61	9.2	33.60	8.2	25.1	0.24
F35	05 Mar 2019	17	14.05	86.97	9.2	33.60	8.2	25.1	0.29
F35	05 Mar 2019	18	14.01	86.90	9.3	33.60	8.2	25.1	0.34
F35	05 Mar 2019	19	13.93	87.01	9.2	33.61	8.2	25.1	0.30
F35	05 Mar 2019	20	13.88	87.37	9.0	33.61	8.2	25.1	0.29
F35	05 Mar 2019	21	13.79	87.33	8.8	33.61	8.2	25.2	0.29
F35	05 Mar 2019	22	13.73	87.64	8.7	33.61	8.2	25.2	0.36
F35	05 Mar 2019	23	13.69	87.57	8.8	33.61	8.2	25.2	0.42
F35	05 Mar 2019	24	13.66	87.68	8.8	33.61	8.2	25.2	0.39
F35	05 Mar 2019	25	13.61	87.73	8.9	33.61	8.2	25.2	0.40
F35	05 Mar 2019	26	13.55	87.61	8.8	33.61	8.2	25.2	0.42
F35	05 Mar 2019	27	13.41	87.06	8.6	33.62	8.2	25.2	0.44
F35	05 Mar 2019	28	13.31	87.30	8.2	33.61	8.2	25.3	0.45
F35	05 Mar 2019	29	13.27	87.58	7.9	33.61	8.1	25.3	0.48
F35	05 Mar 2019	30	13.25	87.95	7.7	33.61	8.1	25.3	0.44
F35	05 Mar 2019	31	13.24	88.10	7.7	33.61	8.1	25.3	0.40
F35	05 Mar 2019	32	13.22	87.95	7.8	33.61	8.1	25.3	0.40
F35	05 Mar 2019	33	13.21	88.03	7.9	33.61	8.1	25.3	0.40
F35	05 Mar 2019	34	13.19	87.90	7.8	33.61	8.1	25.3	0.57
F35	05 Mar 2019	35	13.12	88.23	7.8	33.62	8.1	25.3	0.42
F35	05 Mar 2019	36	13.09	88.25	7.9	33.62	8.1	25.3	0.44
F35	05 Mar 2019	37	13.08	88.12	7.8	33.62	8.1	25.3	0.58
F35	05 Mar 2019	38	13.05	88.23	7.6	33.62	8.1	25.3	0.53
F35	05 Mar 2019	39	13.01	88.13	7.4	33.62	8.1	25.3	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F35	05 Mar 2019	40	12.95	88.20	7.2	33.62	8.1	25.3	0.56
F35	05 Mar 2019	41	12.87	88.00	7.0	33.63	8.1	25.4	0.52
F35	05 Mar 2019	42	12.80	88.07	6.9	33.63	8.1	25.4	0.58
F35	05 Mar 2019	43	12.76	87.92	6.9	33.62	8.1	25.4	0.66
F35	05 Mar 2019	44	12.75	88.04	6.8	33.62	8.1	25.4	0.68
F35	05 Mar 2019	45	12.69	87.83	6.8	33.63	8.1	25.4	0.59
F35	05 Mar 2019	46	12.68	88.02	6.8	33.62	8.0	25.4	0.46
F35	05 Mar 2019	47	12.67	87.87	6.8	33.62	8.0	25.4	0.43
F35	05 Mar 2019	48	12.63	88.01	6.7	33.62	8.0	25.4	0.45
F35	05 Mar 2019	49	12.58	87.91	6.7	33.62	8.0	25.4	0.44
F35	05 Mar 2019	50	12.53	87.85	6.5	33.62	8.0	25.4	0.38
F35	05 Mar 2019	51	12.40	87.40	6.3	33.62	8.0	25.4	0.35
F35	05 Mar 2019	52	12.30	87.10	6.0	33.62	8.0	25.5	0.48
F35	05 Mar 2019	53	12.24	86.95	5.9	33.62	8.0	25.5	0.39
F35	05 Mar 2019	54	12.20	86.68	5.9	33.62	8.0	25.5	0.36
F35	05 Mar 2019	55	12.16	86.03	5.8	33.62	8.0	25.5	0.37
F35	05 Mar 2019	56	12.08	85.94	5.7	33.63	8.0	25.5	0.38
F35	05 Mar 2019	57	12.00	86.28	5.6	33.63	8.0	25.5	0.49
F35	05 Mar 2019	58	11.88	86.55	5.6	33.64	8.0	25.6	0.43
F35	05 Mar 2019	59	11.83	87.27	5.5	33.64	8.0	25.6	0.42
F35	05 Mar 2019	60	11.71	87.17	5.5	33.65	8.0	25.6	0.37
F35	05 Mar 2019	61	11.65	87.66	5.4	33.65	7.9	25.6	0.40
F35	05 Mar 2019	62	11.62	87.86	5.4	33.65	7.9	25.6	0.38
F35	05 Mar 2019	63	11.56	88.01	5.4	33.65	7.9	25.6	0.40
F35	05 Mar 2019	64	11.55	88.07	5.4	33.66	7.9	25.6	0.44
F35	05 Mar 2019	65	11.54	88.24	5.3	33.66	7.9	25.6	0.43
F35	05 Mar 2019	66	11.51	88.12	5.3	33.66	7.9	25.6	0.42
F35	05 Mar 2019	67	11.47	87.87	5.3	33.66	7.9	25.6	0.45
F35	05 Mar 2019	68	11.45	87.95	5.2	33.66	7.9	25.7	0.43
F35	05 Mar 2019	69	11.42	88.01	5.2	33.67	7.9	25.7	0.42
F35	05 Mar 2019	70	11.35	87.95	5.2	33.67	7.9	25.7	0.44
F35	05 Mar 2019	71	11.31	87.72	5.1	33.67	7.9	25.7	0.44
F35	05 Mar 2019	72	11.25	87.91	5.1	33.68	7.9	25.7	0.46
F35	05 Mar 2019	73	11.23	87.91	5.1	33.68	7.9	25.7	0.46
F35	05 Mar 2019	74	11.18	87.99	5.0	33.69	7.9	25.7	0.44
F35	05 Mar 2019	75	11.07	88.14	5.0	33.70	7.9	25.8	0.42
F35	05 Mar 2019	76	11.01	88.14	5.0	33.70	7.9	25.8	0.41
F35	05 Mar 2019	77	10.97	88.08	4.9	33.71	7.9	25.8	0.38
F35	05 Mar 2019	78	10.88	87.11	4.7	33.74	7.9	25.8	0.34
F35	05 Mar 2019	79	10.82	86.93	4.7	33.75	7.9	25.8	0.32
F35	05 Mar 2019	80	10.75	87.51	4.6	33.75	7.9	25.8	0.32
F35	05 Mar 2019	81	10.72	87.79	4.6	33.75	7.9	25.9	0.31
F35	05 Mar 2019	82	10.70	87.89	4.6	33.76	7.9	25.9	0.31
F35	05 Mar 2019	83	10.70	87.96	4.6	33.76	7.9	25.9	0.32
F35	05 Mar 2019	84	10.69	87.84	4.6	33.76	7.9	25.9	0.32
F35	05 Mar 2019	85	10.69	87.63	4.5	33.76	7.9	25.9	0.32
F35	05 Mar 2019	86	10.69	87.58	4.5	33.76	7.9	25.9	0.33
F35	05 Mar 2019	87	10.68	87.62	4.5	33.76	7.9	25.9	0.32
F35	05 Mar 2019	88	10.66	87.77	4.5	33.77	7.8	25.9	0.32
F35	05 Mar 2019	89	10.63	87.57	4.4	33.78	7.8	25.9	0.33
F35	05 Mar 2019	90	10.59	87.66	4.3	33.79	7.8	25.9	0.34
F35	05 Mar 2019	91	10.55	87.29	4.3	33.80	7.8	25.9	0.32
F35	05 Mar 2019	92	10.52	87.06	4.2	33.82	7.8	25.9	0.33
F35	05 Mar 2019	93	10.47	86.74	4.1	33.83	7.8	26.0	0.33
F35	05 Mar 2019	94	10.44	86.66	4.0	33.84	7.8	26.0	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	05 Mar 2019	95	10.43	86.36	4.0	33.85	7.8	26.0	0.33
F35	05 Mar 2019	96	10.43	86.10	4.0	33.85	7.8	26.0	0.33
F35	05 Mar 2019	97	10.43	85.63	3.9	33.85	7.8	26.0	0.34
F35	05 Mar 2019	98	10.43	85.03	3.9	33.86	7.8	26.0	0.33
F35	05 Mar 2019	99	10.41	84.99	3.9	33.86	7.8	26.0	0.32
F35	05 Mar 2019	100	10.39	85.61	3.8	33.87	7.8	26.0	0.35
F35	05 Mar 2019	101	10.10	85.12	3.6	33.97	7.8	26.1	0.39
F36	05 Mar 2019	1	14.55	86.86	9.4	33.60	8.2	25.0	0.13
F36	05 Mar 2019	2	14.51	86.82	9.4	33.60	8.2	25.0	0.14
F36	05 Mar 2019	3	14.51	86.98	9.4	33.59	8.2	25.0	0.13
F36	05 Mar 2019	4	14.53	86.72	9.4	33.59	8.2	25.0	0.14
F36	05 Mar 2019	5	14.52	86.67	9.4	33.60	8.2	25.0	0.15
F36	05 Mar 2019	6	14.48	86.99	9.4	33.60	8.2	25.0	0.17
F36	05 Mar 2019	7	14.44	86.79	9.4	33.60	8.2	25.0	0.19
F36	05 Mar 2019	8	14.42	86.73	9.4	33.59	8.2	25.0	0.20
F36	05 Mar 2019	9	14.40	86.44	9.3	33.60	8.2	25.0	0.24
F36	05 Mar 2019	10	14.25	86.26	9.3	33.60	8.2	25.1	0.25
F36	05 Mar 2019	11	14.19	86.18	9.3	33.60	8.2	25.1	0.29
F36	05 Mar 2019	12	14.16	86.16	9.3	33.60	8.2	25.1	0.31
F36	05 Mar 2019	13	14.13	86.33	9.3	33.60	8.2	25.1	0.30
F36	05 Mar 2019	14	14.11	86.44	9.3	33.60	8.2	25.1	0.28
F36	05 Mar 2019	15	14.10	86.42	9.3	33.60	8.2	25.1	0.29
F36	05 Mar 2019	16	14.06	86.39	9.2	33.60	8.2	25.1	0.27
F36	05 Mar 2019	17	13.98	86.01	9.1	33.60	8.2	25.1	0.35
F36	05 Mar 2019	18	13.95	86.36	9.1	33.60	8.2	25.1	0.36
F36	05 Mar 2019	19	13.85	86.60	8.9	33.61	8.2	25.1	0.31
F36	05 Mar 2019	20	13.75	87.10	8.7	33.61	8.2	25.2	0.36
F36	05 Mar 2019	21	13.69	87.32	8.6	33.61	8.2	25.2	0.35
F36	05 Mar 2019	22	13.64	87.39	8.5	33.61	8.2	25.2	0.40
F36	05 Mar 2019	23	13.51	87.48	8.7	33.62	8.2	25.2	0.39
F36	05 Mar 2019	24	13.47	87.94	8.8	33.61	8.2	25.2	0.36
F36	05 Mar 2019	25	13.37	87.73	8.8	33.62	8.2	25.2	0.41
F36	05 Mar 2019	26	13.30	87.71	8.8	33.61	8.2	25.3	0.46
F36	05 Mar 2019	27	13.26	87.77	8.6	33.61	8.2	25.3	0.44
F36	05 Mar 2019	28	13.22	87.61	8.4	33.61	8.1	25.3	0.50
F36	05 Mar 2019	29	13.20	87.70	8.4	33.61	8.1	25.3	0.53
F36	05 Mar 2019	30	13.19	87.85	8.4	33.61	8.1	25.3	0.52
F36	05 Mar 2019	31	13.16	87.85	8.1	33.61	8.1	25.3	0.60
F36	05 Mar 2019	32	13.10	87.63	7.8	33.61	8.1	25.3	0.54
F36	05 Mar 2019	33	13.09	87.88	7.6	33.61	8.1	25.3	0.62
F36	05 Mar 2019	34	13.09	88.12	7.6	33.61	8.1	25.3	0.56
F36	05 Mar 2019	35	13.09	88.03	7.6	33.61	8.1	25.3	0.55
F36	05 Mar 2019	36	13.08	87.98	7.6	33.61	8.1	25.3	0.53
F36	05 Mar 2019	37	13.08	88.17	7.6	33.61	8.1	25.3	0.51
F36	05 Mar 2019	38	13.07	88.23	7.6	33.61	8.1	25.3	0.43
F36	05 Mar 2019	39	13.06	88.43	7.6	33.62	8.1	25.3	0.37
F36	05 Mar 2019	40	13.06	88.45	7.6	33.62	8.1	25.3	0.40
F36	05 Mar 2019	41	13.04	88.40	7.6	33.62	8.1	25.3	0.46
F36	05 Mar 2019	42	12.95	88.25	7.5	33.63	8.1	25.3	0.50
F36	05 Mar 2019	43	12.89	88.32	7.3	33.63	8.1	25.4	0.41
F36	05 Mar 2019	44	12.79	88.15	7.0	33.62	8.0	25.4	0.96
F36	05 Mar 2019	45	12.78	88.05	6.9	33.62	8.0	25.4	0.62
F36	05 Mar 2019	46	12.76	87.82	6.8	33.62	8.0	25.4	0.51
F36	05 Mar 2019	47	12.72	87.92	6.7	33.63	8.0	25.4	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	05 Mar 2019	48	12.64	87.81	6.6	33.63	8.0	25.4	0.36
F36	05 Mar 2019	49	12.56	87.91	6.5	33.64	8.0	25.4	0.34
F36	05 Mar 2019	50	12.45	87.75	6.4	33.64	8.0	25.4	0.31
F36	05 Mar 2019	51	12.38	87.52	6.3	33.64	8.0	25.5	0.32
F36	05 Mar 2019	52	12.27	87.51	6.3	33.63	8.0	25.5	0.32
F36	05 Mar 2019	53	12.23	87.60	6.2	33.63	8.0	25.5	0.37
F36	05 Mar 2019	54	12.20	87.56	6.1	33.62	8.0	25.5	0.39
F36	05 Mar 2019	55	12.15	87.27	6.0	33.63	8.0	25.5	0.52
F36	05 Mar 2019	56	12.08	87.07	5.8	33.63	8.0	25.5	0.36
F36	05 Mar 2019	57	12.01	86.93	5.6	33.63	8.0	25.5	0.35
F36	05 Mar 2019	58	12.00	86.71	5.6	33.63	8.0	25.5	0.32
F36	05 Mar 2019	59	11.97	86.45	5.5	33.63	7.9	25.5	0.33
F36	05 Mar 2019	60	11.86	86.45	5.5	33.64	7.9	25.6	0.37
F36	05 Mar 2019	61	11.76	87.04	5.5	33.64	7.9	25.6	0.35
F36	05 Mar 2019	62	11.70	87.58	5.4	33.64	7.9	25.6	0.48
F36	05 Mar 2019	63	11.64	87.81	5.4	33.65	7.9	25.6	0.38
F36	05 Mar 2019	64	11.58	87.89	5.3	33.65	7.9	25.6	0.36
F36	05 Mar 2019	65	11.50	88.16	5.3	33.66	7.9	25.6	0.36
F36	05 Mar 2019	66	11.41	88.19	5.2	33.67	7.9	25.7	0.37
F36	05 Mar 2019	67	11.37	88.18	5.2	33.67	7.9	25.7	0.38
F36	05 Mar 2019	68	11.34	88.18	5.2	33.67	7.9	25.7	0.41
F36	05 Mar 2019	69	11.33	88.17	5.2	33.67	7.9	25.7	0.46
F36	05 Mar 2019	70	11.31	87.96	5.1	33.67	7.9	25.7	0.44
F36	05 Mar 2019	71	11.28	88.01	5.1	33.68	7.9	25.7	0.40
F36	05 Mar 2019	72	11.19	87.39	5.0	33.69	7.9	25.7	0.44
F36	05 Mar 2019	73	11.15	87.76	5.0	33.70	7.9	25.7	0.41
F36	05 Mar 2019	74	11.10	87.60	5.0	33.70	7.9	25.7	0.35
F36	05 Mar 2019	75	11.04	87.49	4.9	33.71	7.9	25.8	0.36
F36	05 Mar 2019	76	11.00	87.44	4.8	33.72	7.9	25.8	0.34
F36	05 Mar 2019	77	10.92	86.98	4.7	33.74	7.9	25.8	0.61
F36	05 Mar 2019	78	10.82	86.70	4.7	33.75	7.9	25.8	0.56
F36	05 Mar 2019	79	10.81	86.78	4.6	33.74	7.8	25.8	0.43
F36	05 Mar 2019	80	10.79	86.85	4.6	33.75	7.8	25.8	0.34
F36	05 Mar 2019	81	10.78	86.89	4.6	33.75	7.8	25.8	0.30
F36	05 Mar 2019	82	10.75	87.03	4.6	33.75	7.8	25.9	0.26
F36	05 Mar 2019	83	10.74	87.16	4.6	33.76	7.8	25.9	0.26
F36	05 Mar 2019	84	10.73	86.71	4.5	33.76	7.8	25.9	0.26
F36	05 Mar 2019	85	10.71	87.36	4.5	33.76	7.8	25.9	0.25
F36	05 Mar 2019	86	10.68	87.54	4.5	33.76	7.8	25.9	0.28
F36	05 Mar 2019	87	10.65	87.65	4.5	33.77	7.8	25.9	0.28
F36	05 Mar 2019	88	10.61	87.74	4.5	33.77	7.8	25.9	0.27
F36	05 Mar 2019	89	10.60	87.93	4.4	33.78	7.8	25.9	0.25
F36	05 Mar 2019	90	10.58	87.57	4.4	33.78	7.8	25.9	0.27
F36	05 Mar 2019	91	10.55	87.94	4.3	33.80	7.8	25.9	0.26
F36	05 Mar 2019	92	10.49	88.06	4.2	33.82	7.8	25.9	0.27
F36	05 Mar 2019	93	10.45	88.12	4.2	33.82	7.8	26.0	0.25
F36	05 Mar 2019	94	10.42	88.09	4.1	33.83	7.8	26.0	0.26
F36	05 Mar 2019	95	10.40	88.22	4.1	33.83	7.8	26.0	0.23
F36	05 Mar 2019	96	10.36	88.32	4.1	33.84	7.8	26.0	0.22
F36	05 Mar 2019	97	10.35	88.27	4.1	33.84	7.8	26.0	0.23
F36	05 Mar 2019	98	10.33	87.99	4.0	33.86	7.8	26.0	0.24
F36	05 Mar 2019	99	10.30	87.42	3.9	33.87	7.8	26.0	0.25
F36	05 Mar 2019	100	10.25	86.96	3.8	33.89	7.8	26.0	0.29
F36	05 Mar 2019	101	10.20	86.14	3.7	33.91	7.8	26.1	0.33

NA = not available

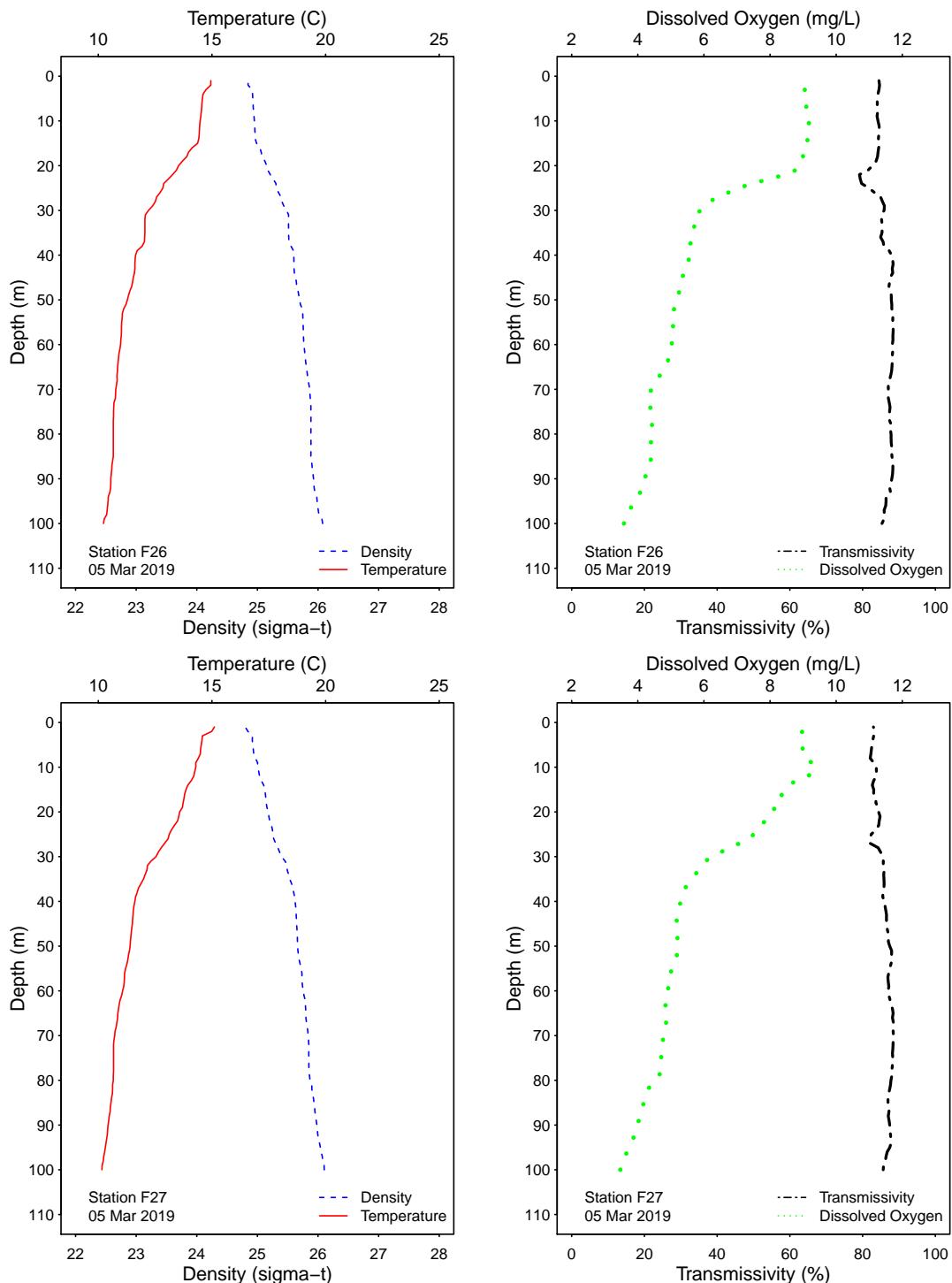


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

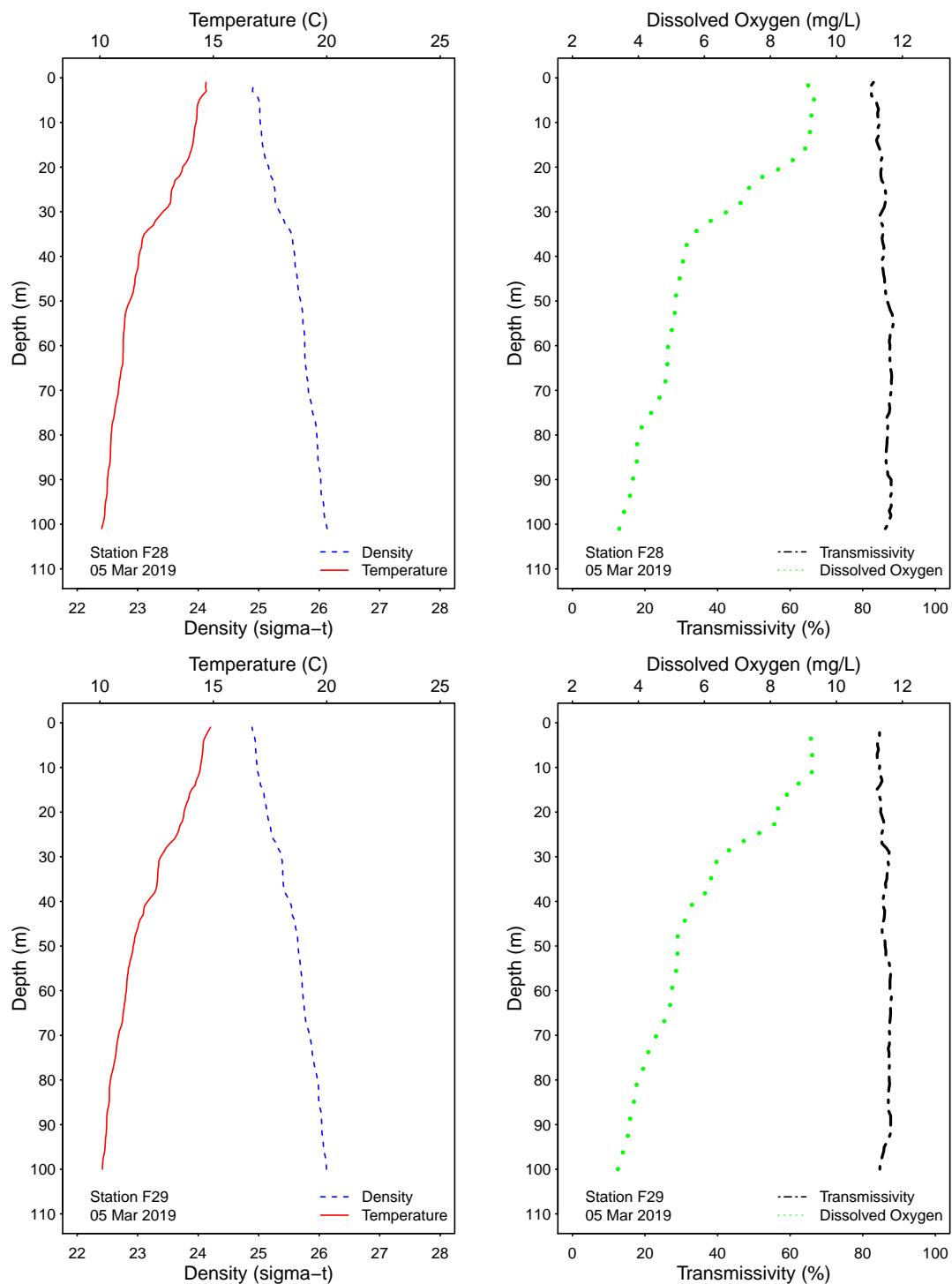


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

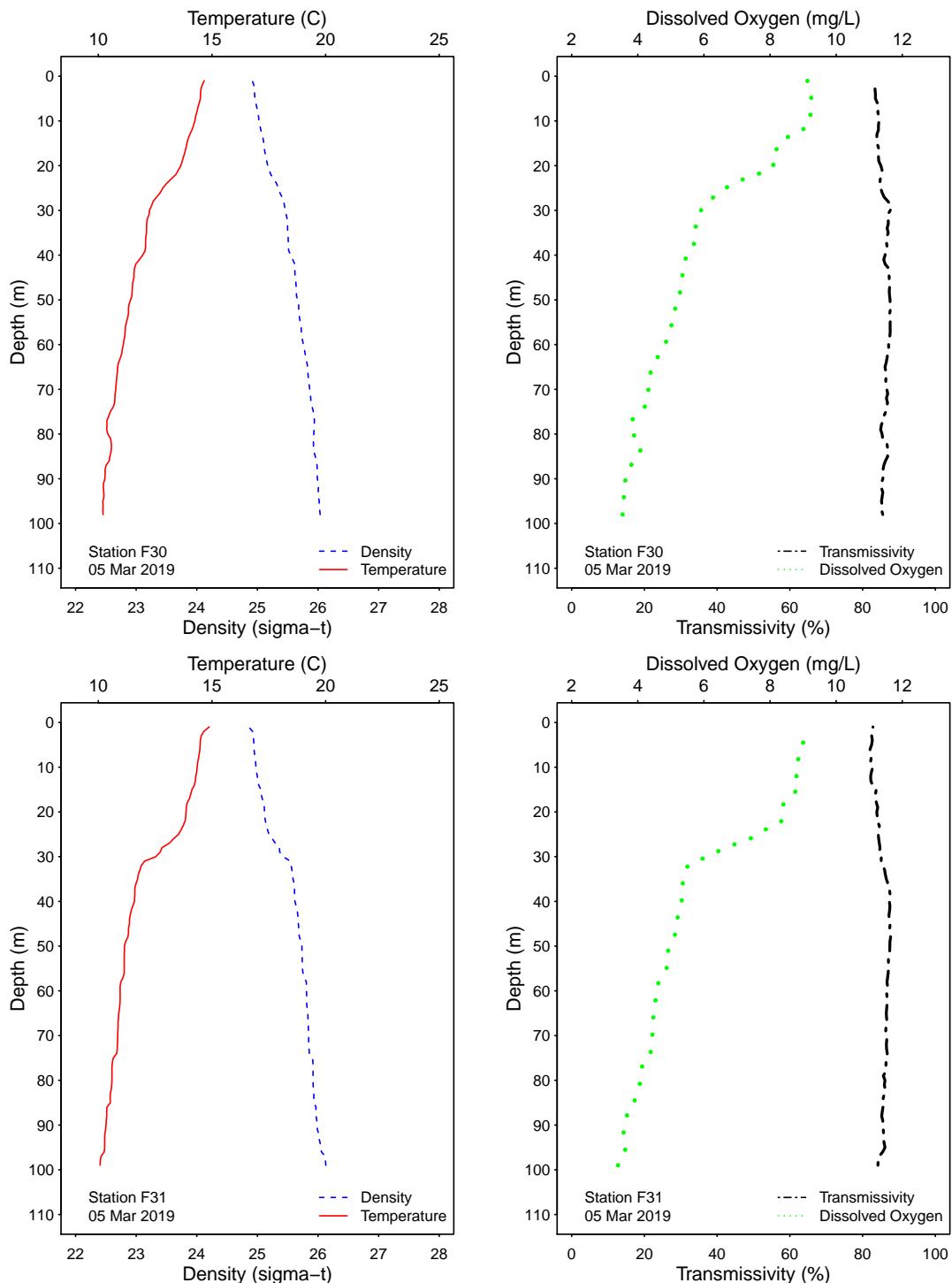


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

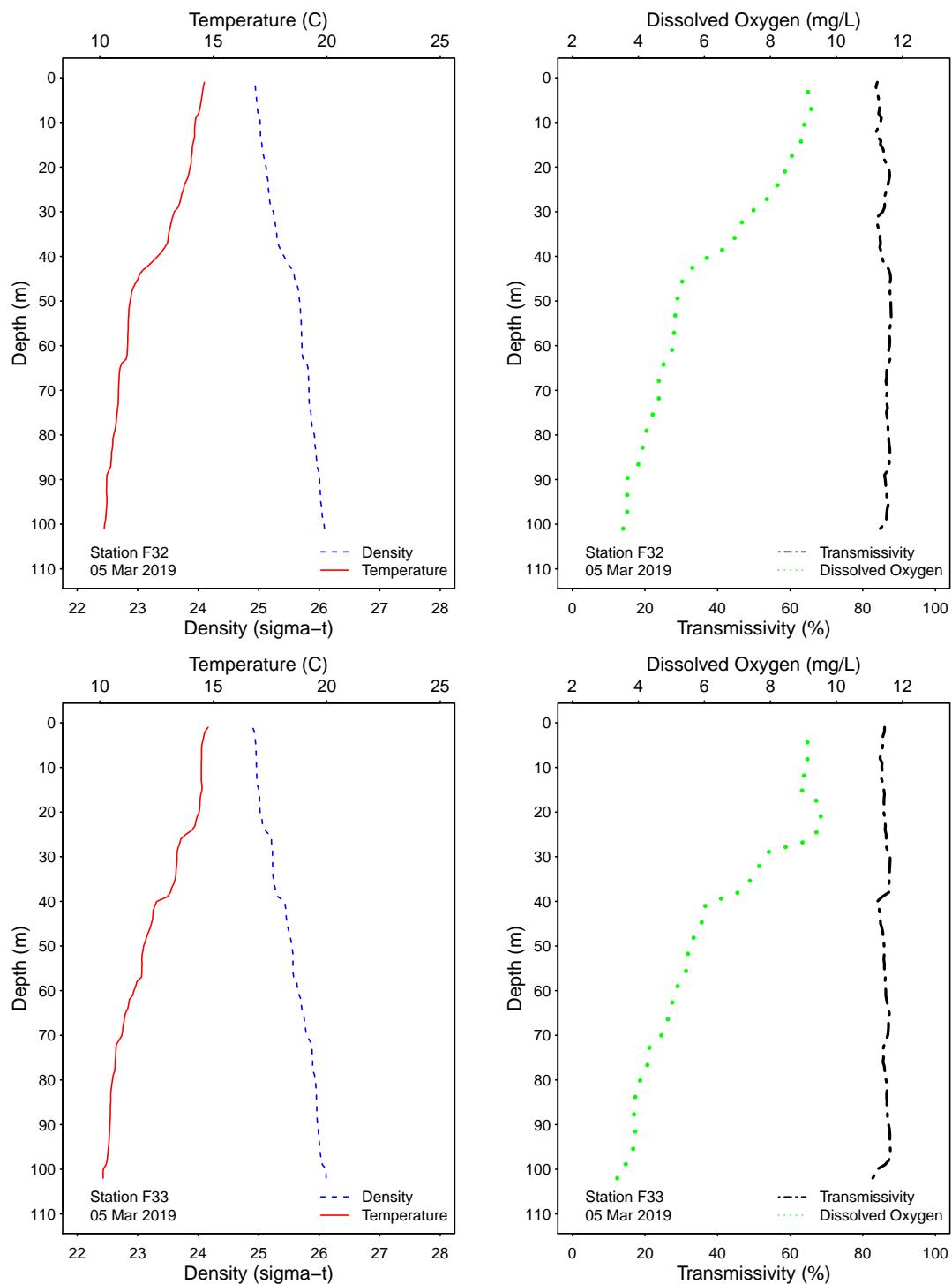


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

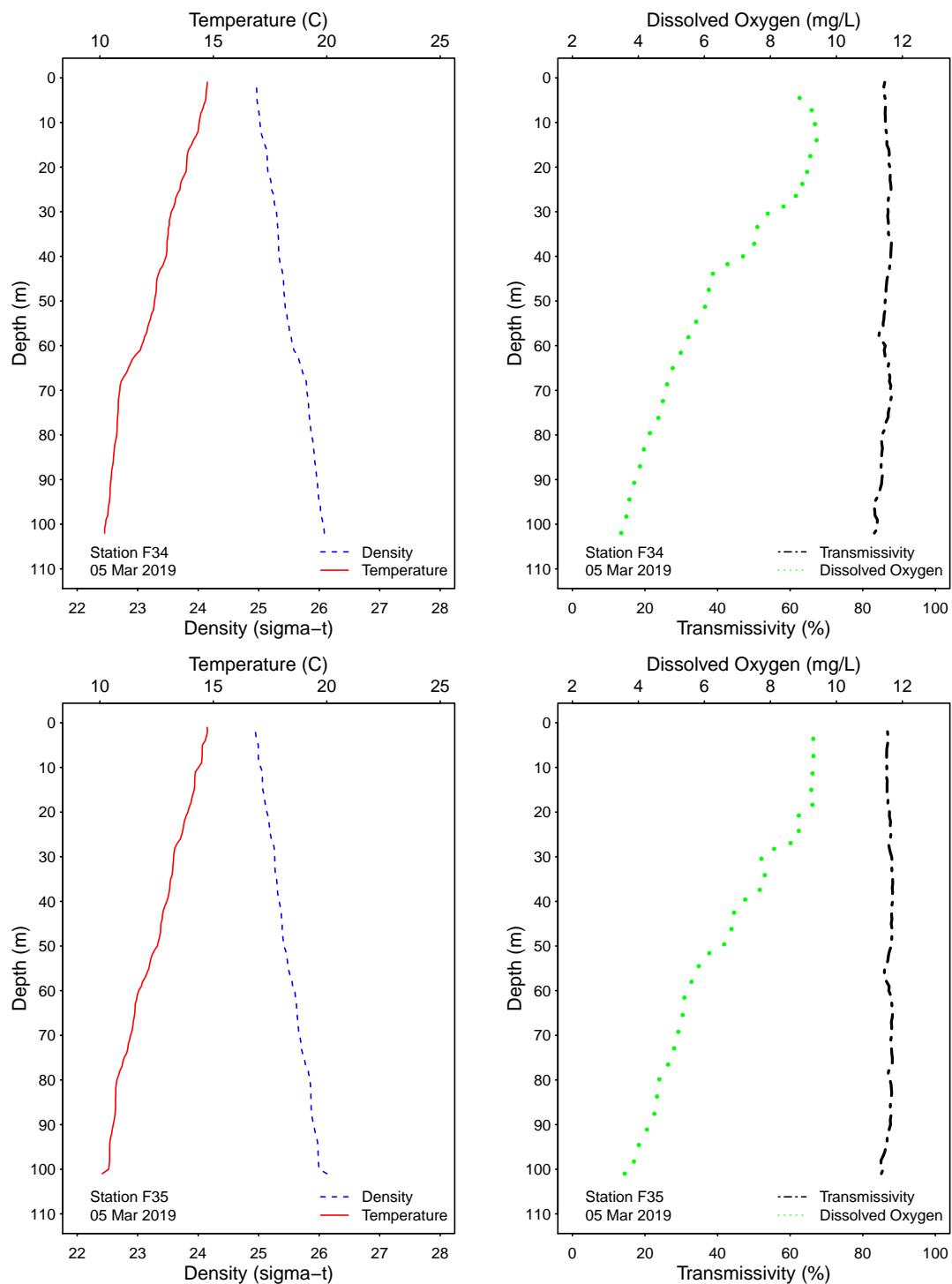


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

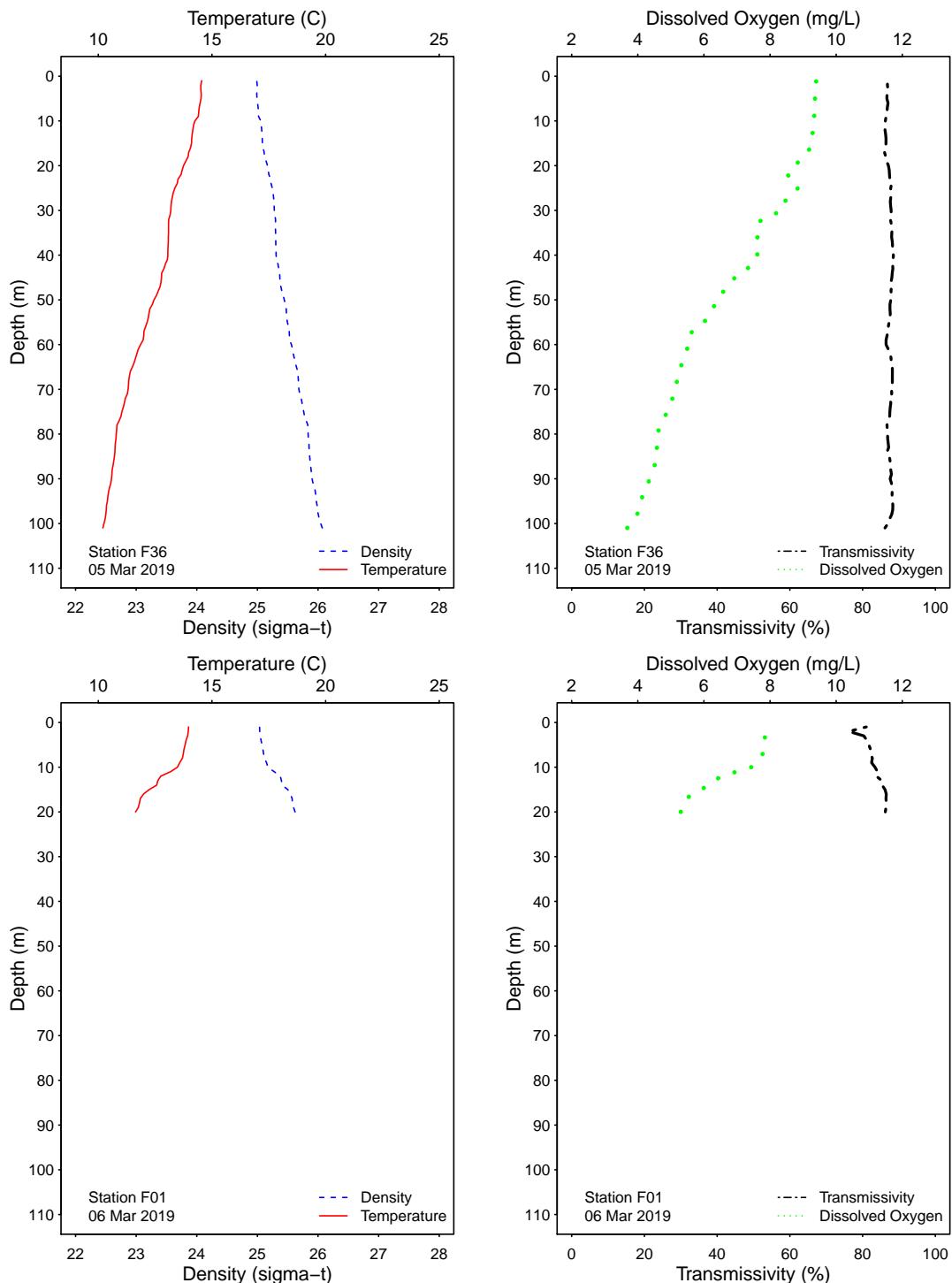


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

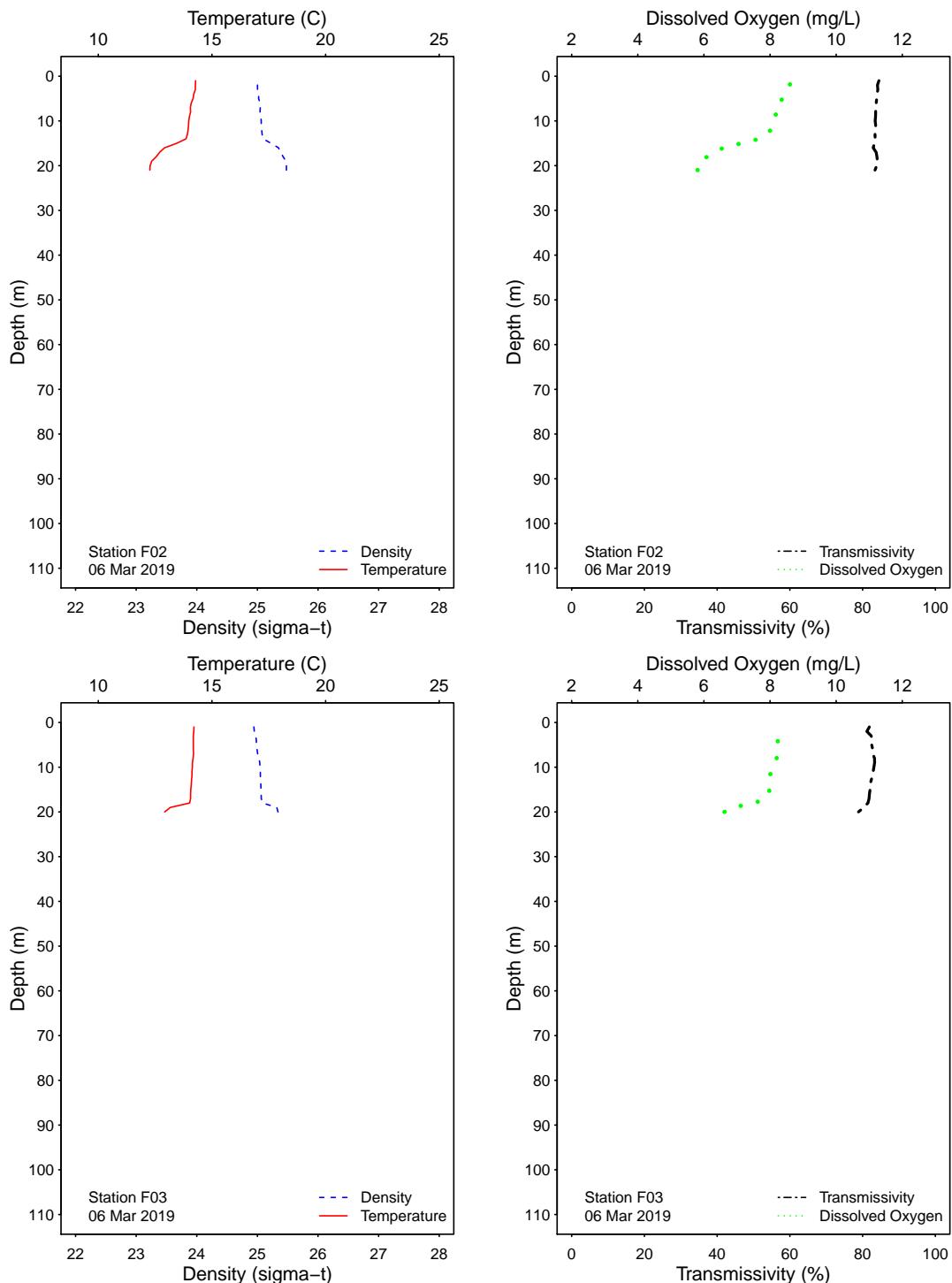


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

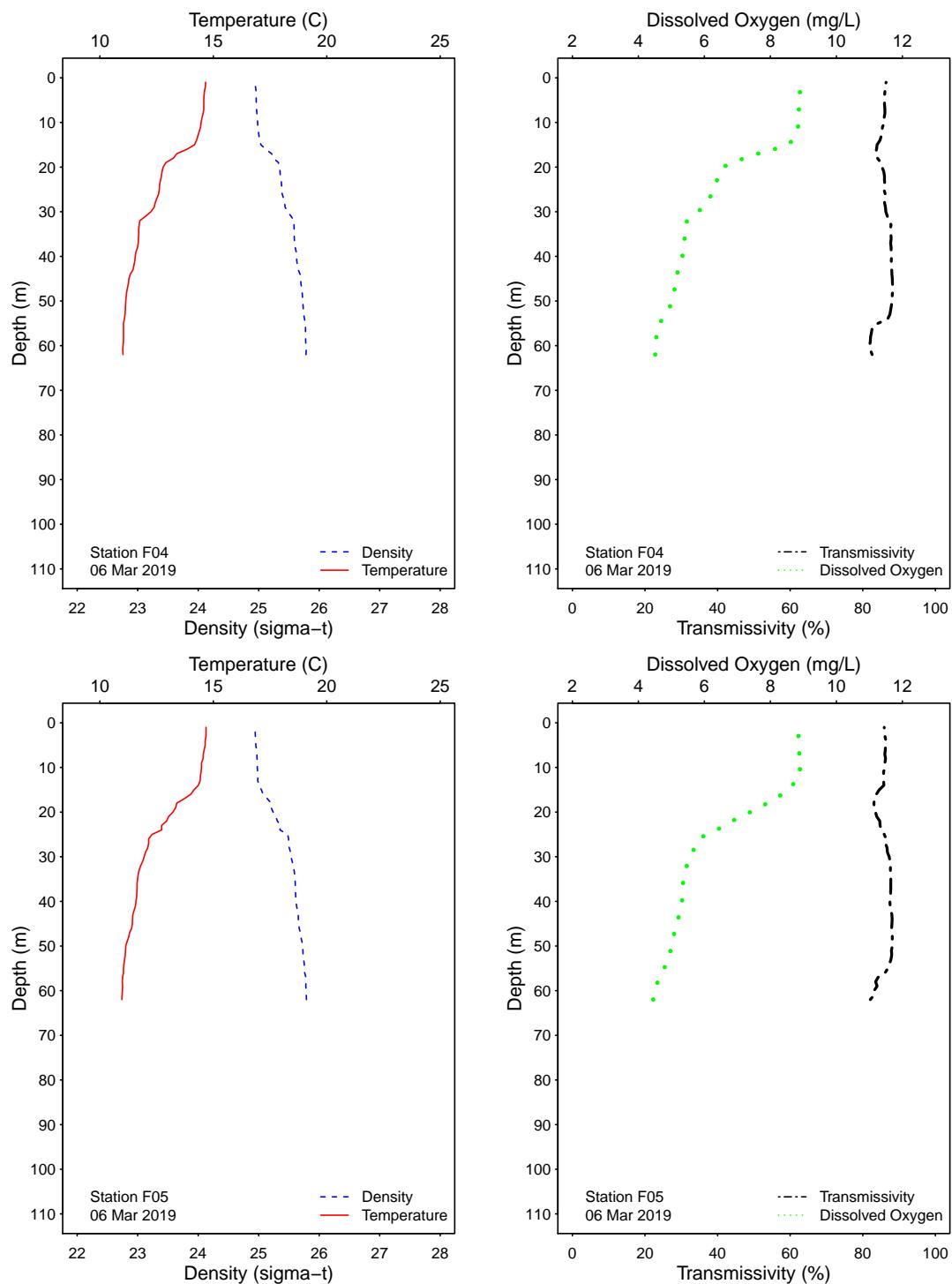


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

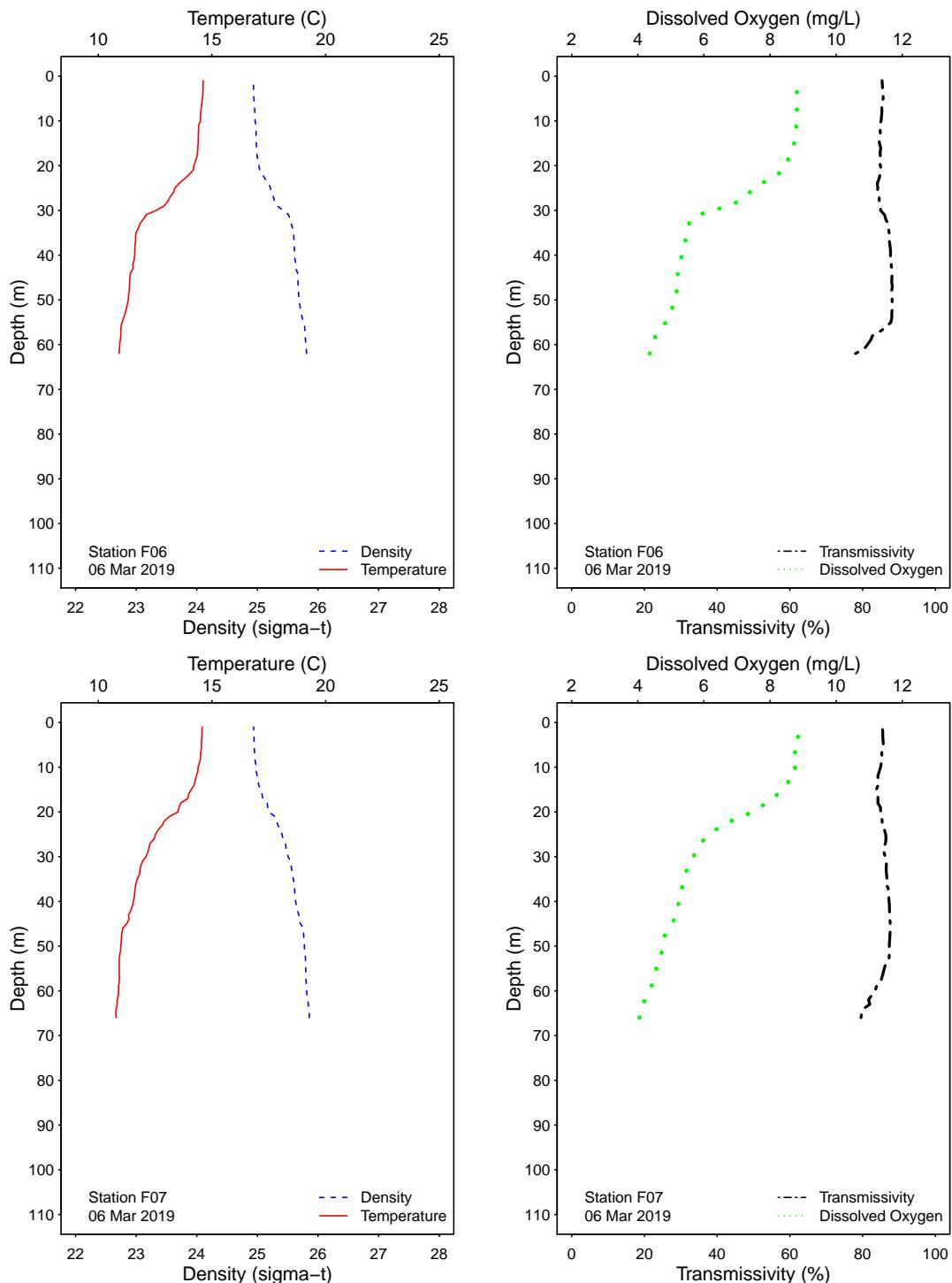


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

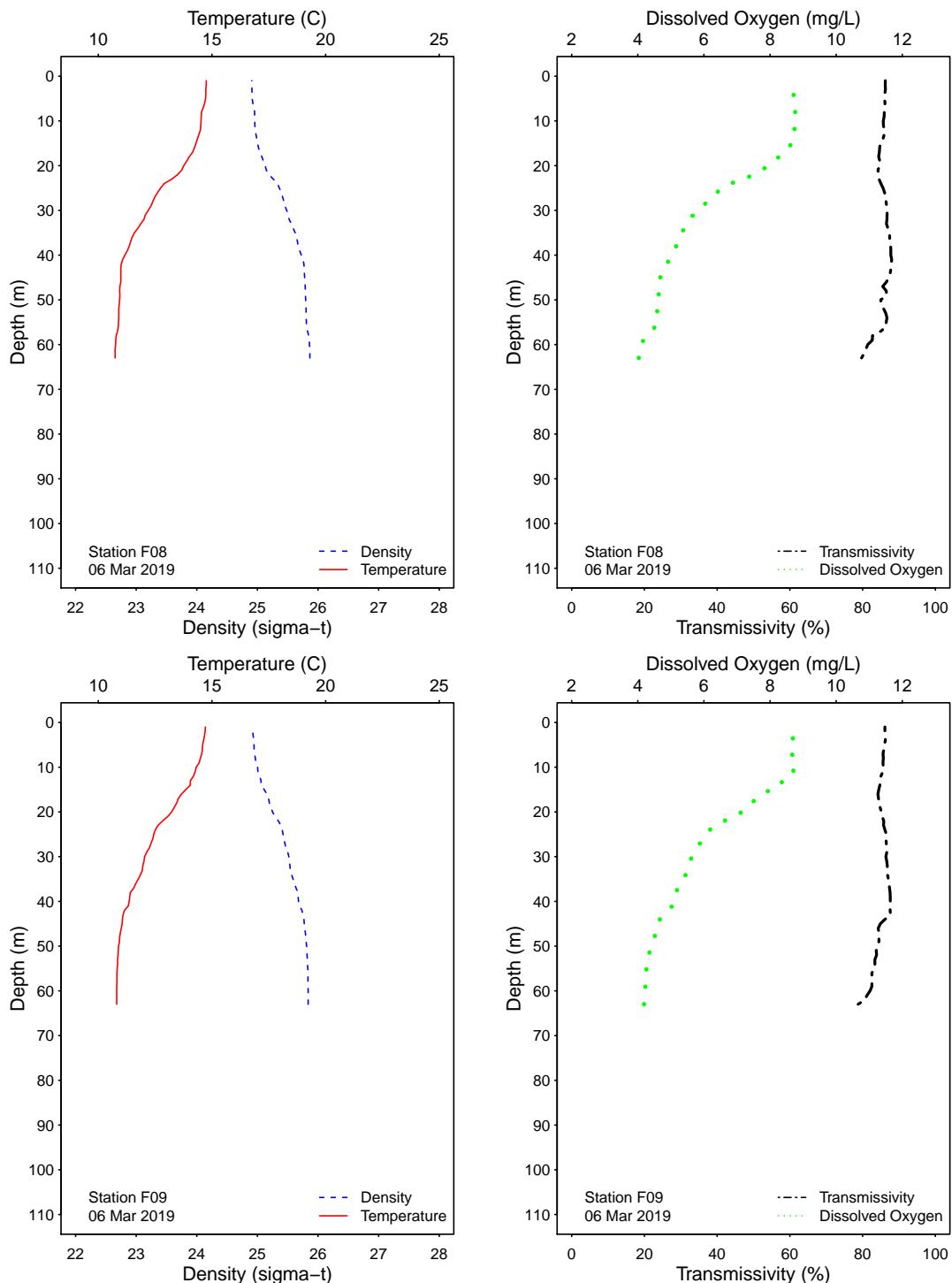


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

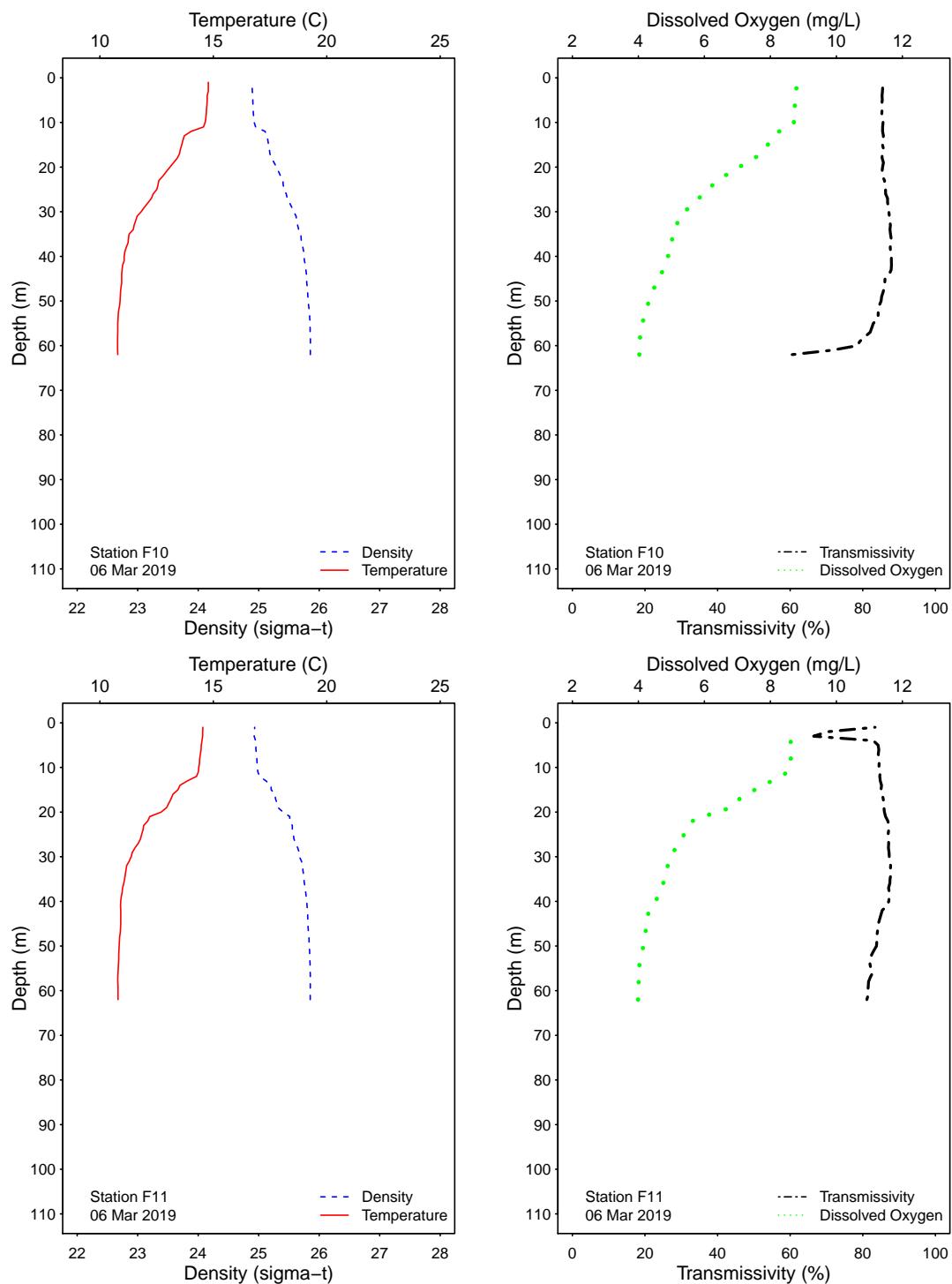


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

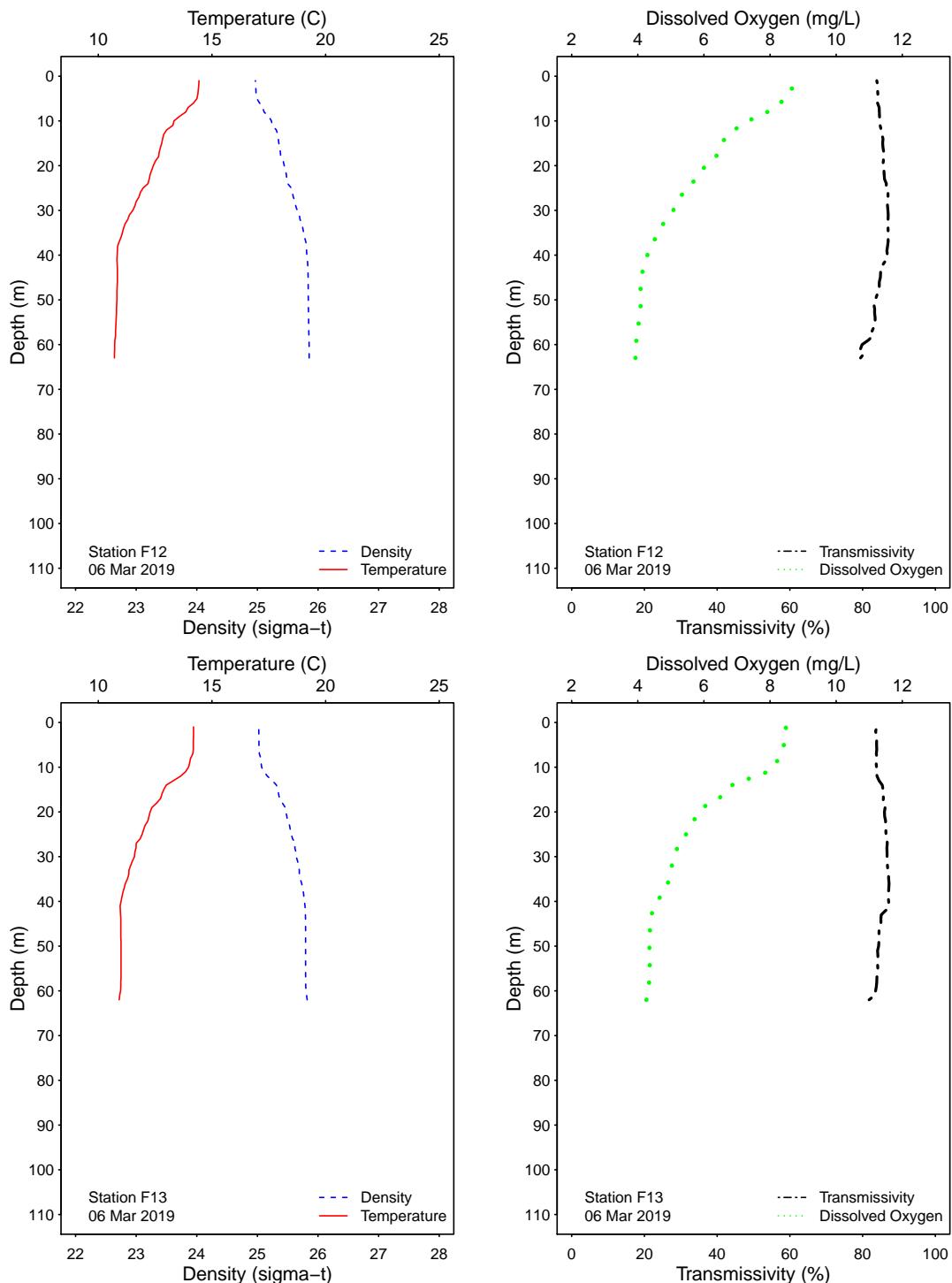


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

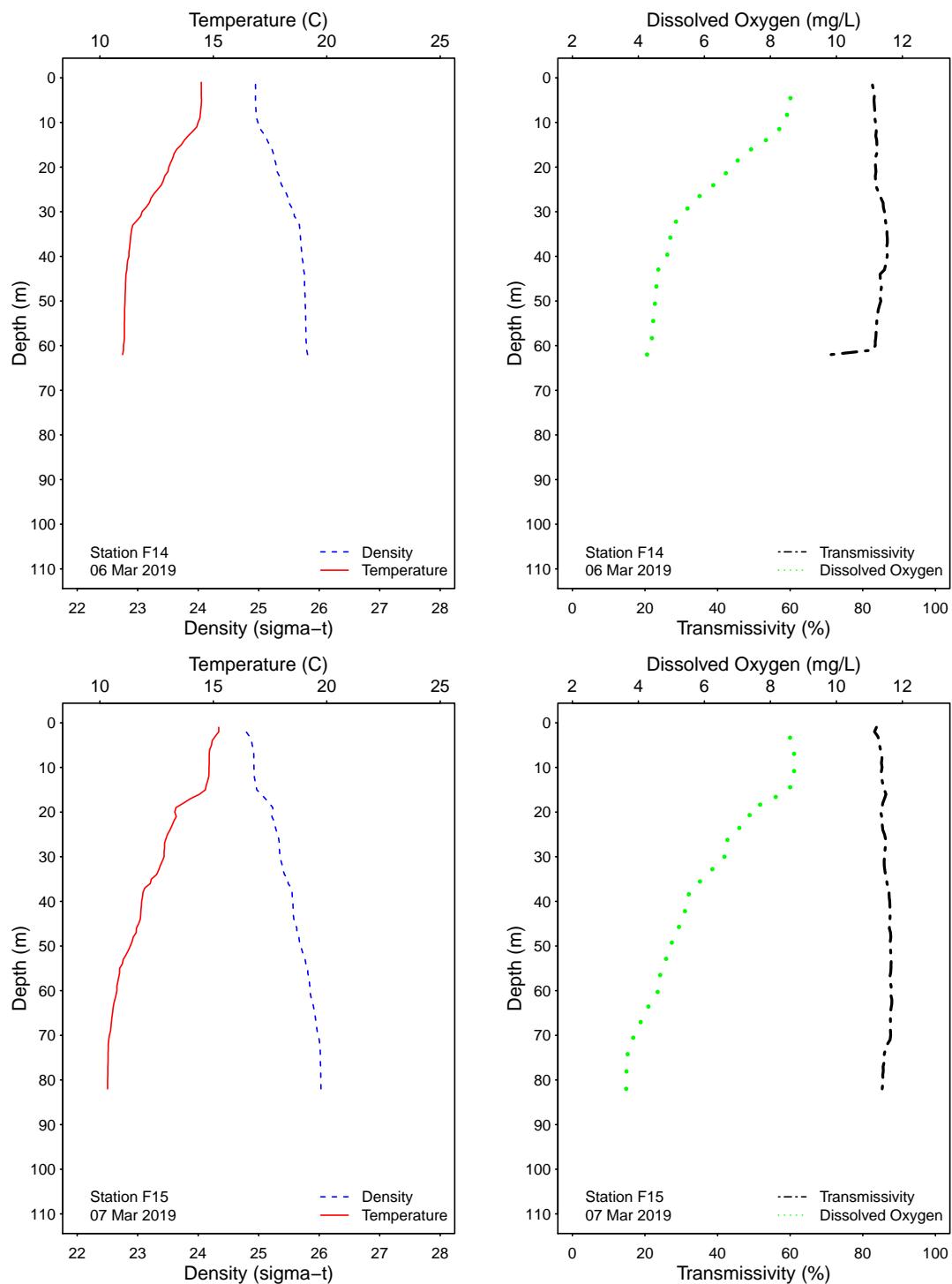


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

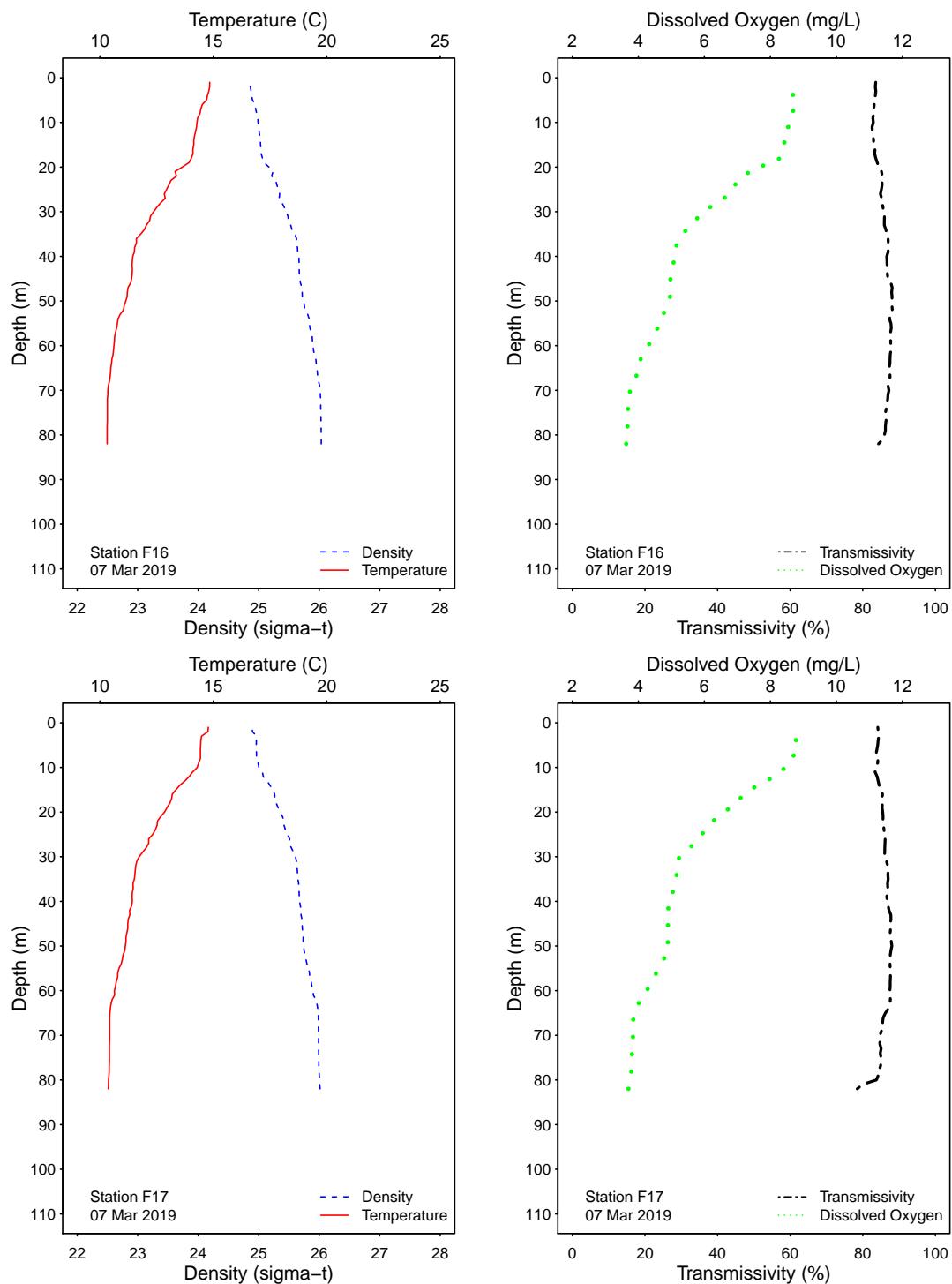


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

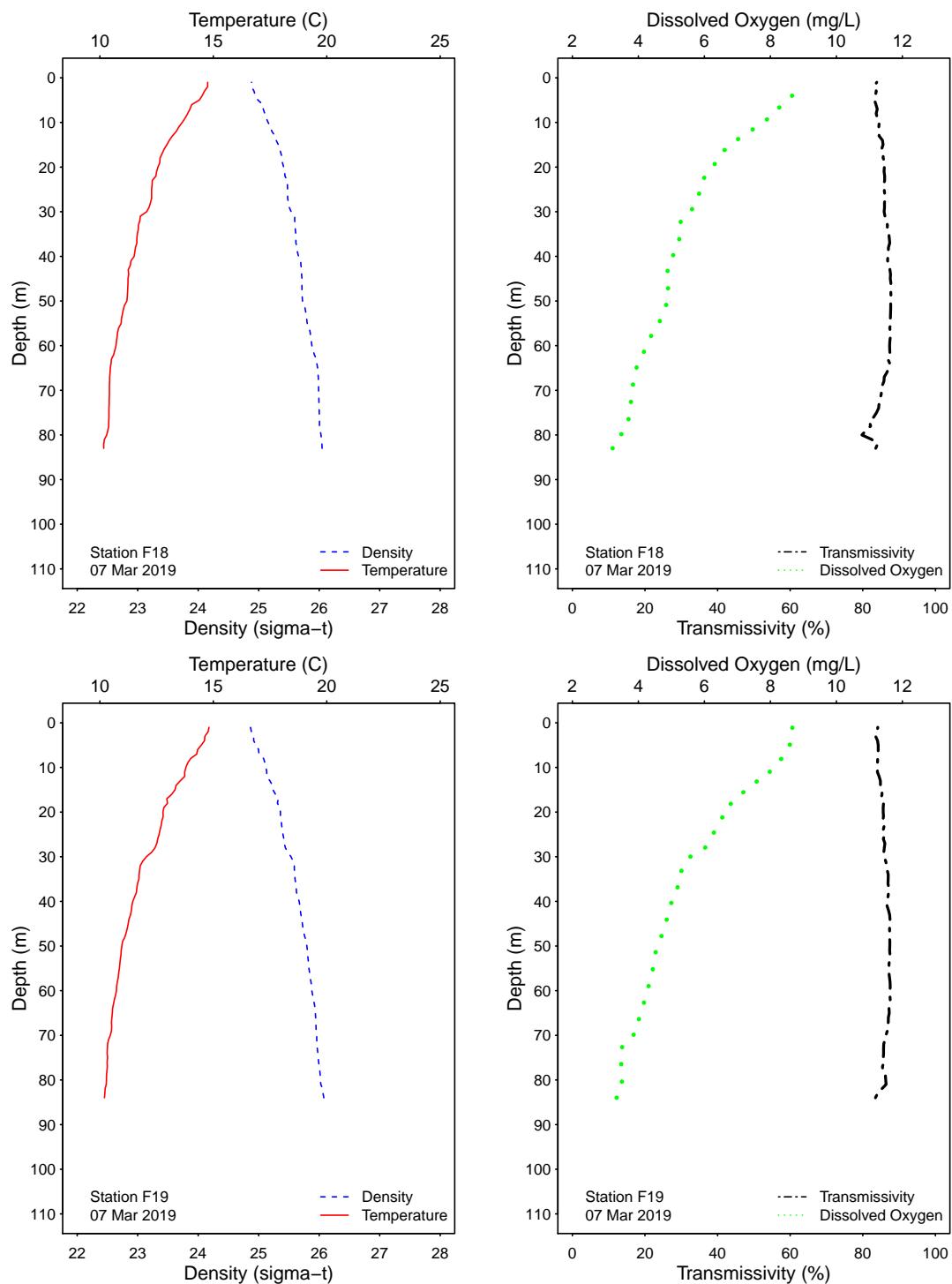


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

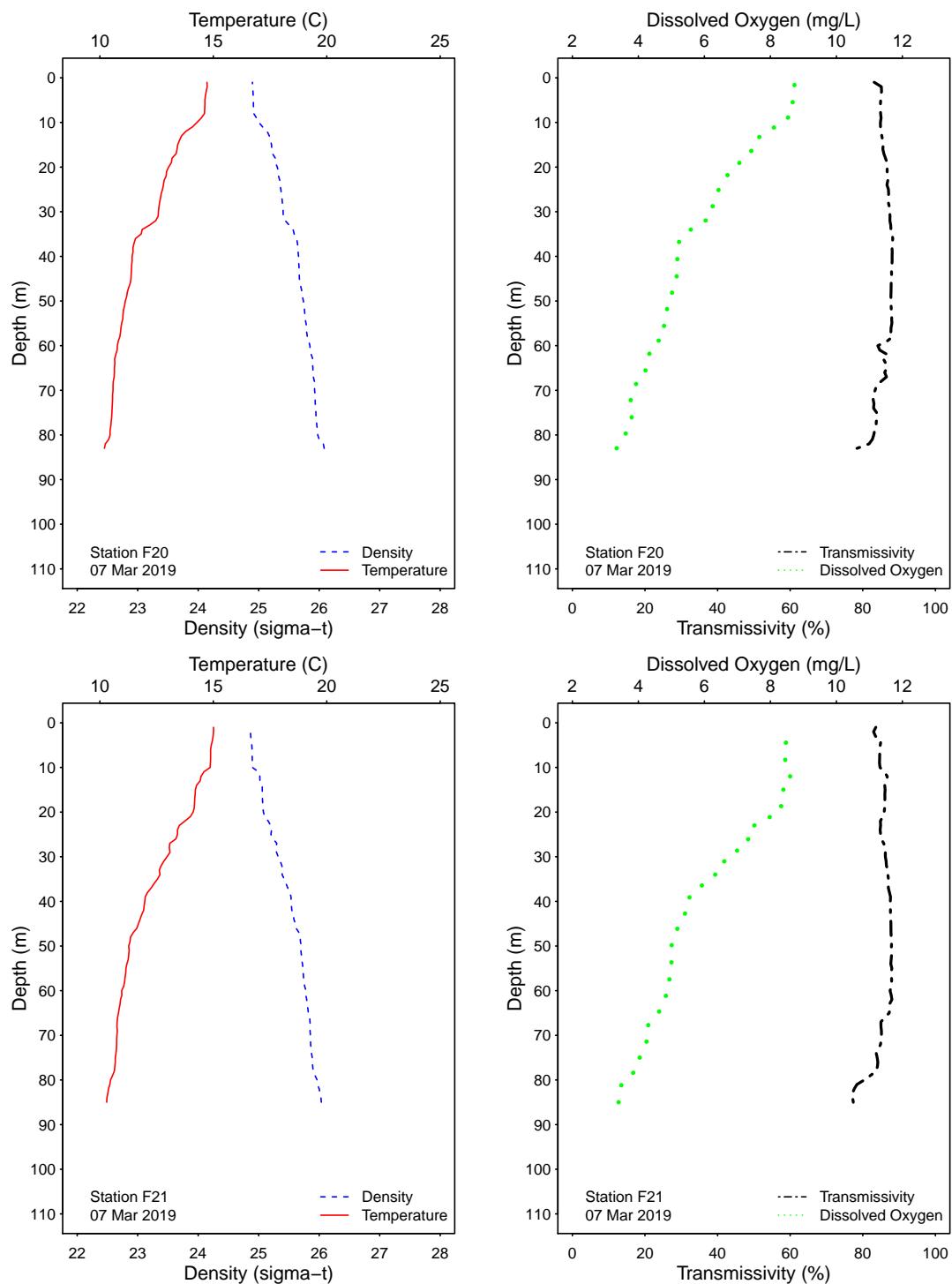


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

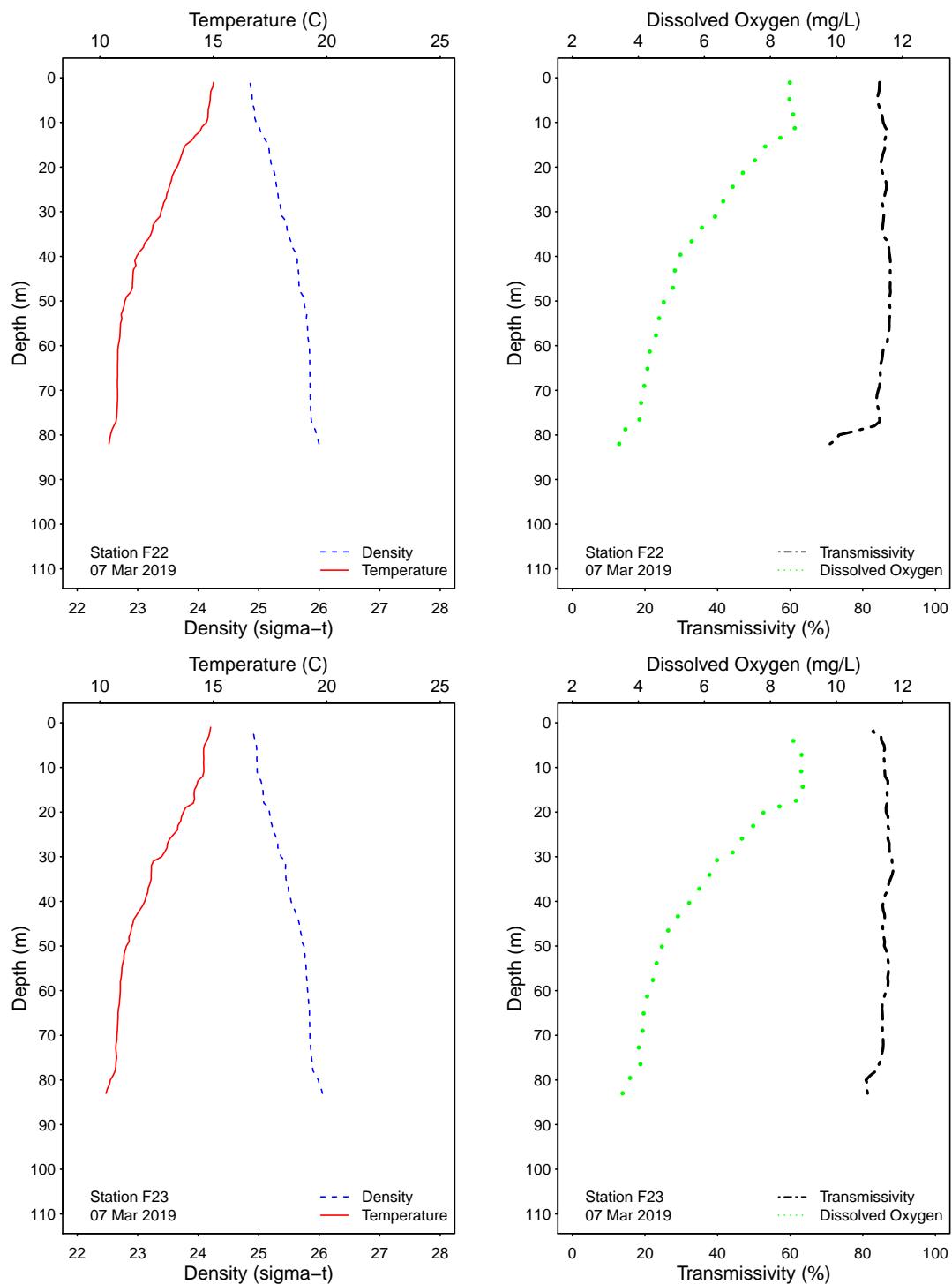


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

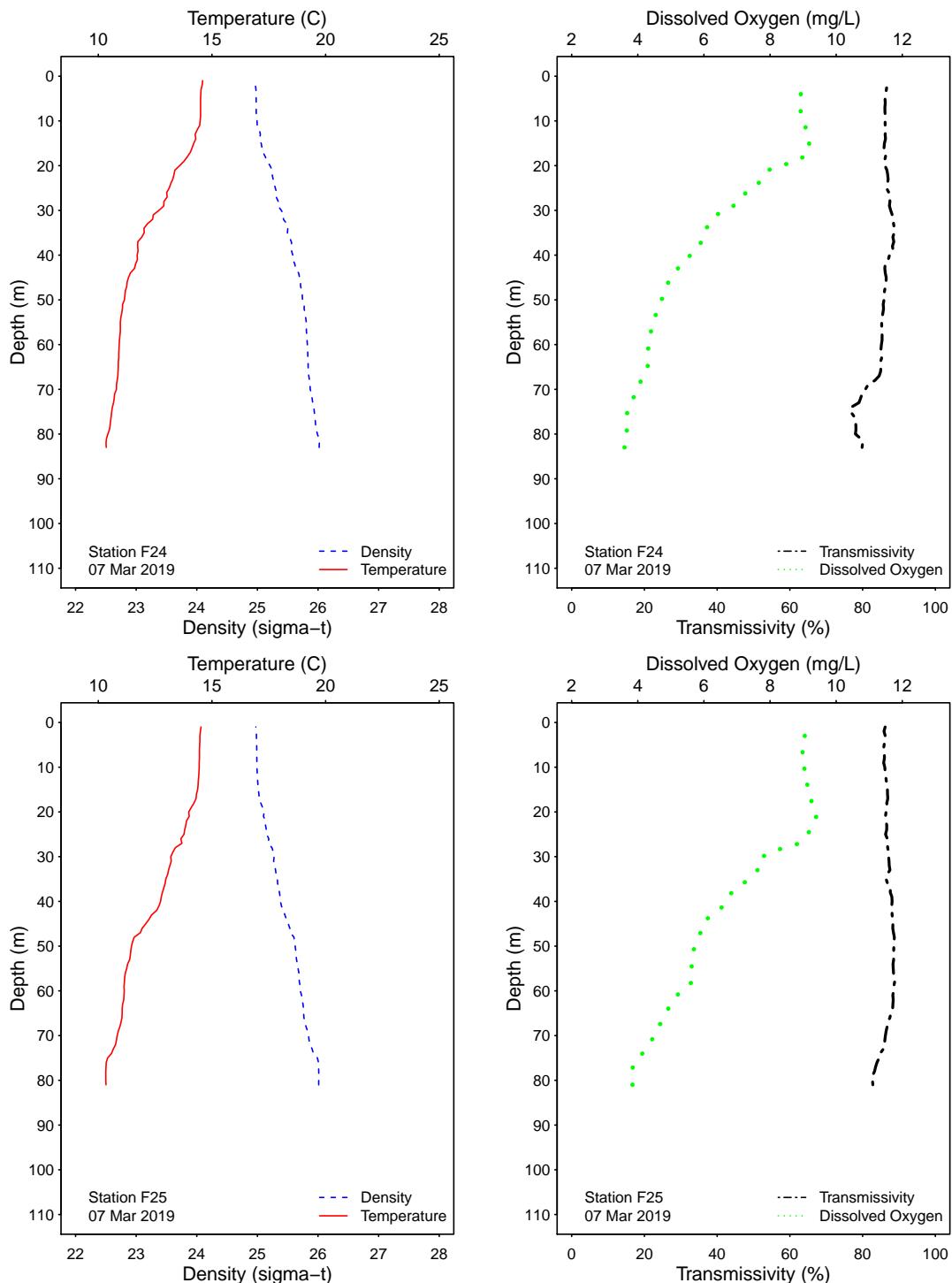


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

# **APPENDIX A**

## Quality Assurance



**Table A.1**

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	04 Mar 2019	18	JT	LAB DUPLICATE	140e	12e	<2
A7	11 Mar 2019	18	JLT	LAB DUPLICATE	16e	2e	<2
A7	18 Mar 2019	18	AE	LAB DUPLICATE	ns	<2	<2
A7	18 Mar 2019	18	JT	LAB DUPLICATE	<2	ns	ns
A7	25 Mar 2019	18	LMA	LAB DUPLICATE	18e	2e	<2
C7	04 Mar 2019	18	AE	LAB DUPLICATE	12e	4e	2e
C7	11 Mar 2019	18	JLT	LAB DUPLICATE	2e	<2	<2
C7	18 Mar 2019	18	AE	LAB DUPLICATE	12e	<2	<2
C7	25 Mar 2019	18	LMA	LAB DUPLICATE	18e	2e	<2
C8	04 Mar 2019	12	AE	LAB DUPLICATE	4e	<2	<2
C8	11 Mar 2019	12	JLT	LAB DUPLICATE	<2	<2	<2
C8	18 Mar 2019	12	AE	LAB DUPLICATE	<2	<2	<2
C8	25 Mar 2019	12	JLT	LAB DUPLICATE	8e	2e	ns
D12	06 Mar 2019		JLT	FIELD DUPLICATE	8e	<2	<2
D12	06 Mar 2019		JLT	LAB DUPLICATE	2e	2e	2e
D12	13 Mar 2019		AE	FIELD DUPLICATE	4e	6e	<2
D12	13 Mar 2019		AE	LAB DUPLICATE	18e	2e	<2
D12	19 Mar 2019		JLT	FIELD DUPLICATE	<2	<2	<2
D12	19 Mar 2019		JLT	LAB DUPLICATE	<2	<2	4e
D12	27 Mar 2019		AE	FIELD DUPLICATE	<2	<2	<2
D12	27 Mar 2019		AE	LAB DUPLICATE	<2	<2	<2
F01	06 Mar 2019	12	JT	LAB DUPLICATE	ns	ns	<2
F02	06 Mar 2019	12	AE	LAB DUPLICATE	ns	ns	<20
F07	06 Mar 2019	60	AR	LAB DUPLICATE	ns	ns	58
F08	06 Mar 2019	60	AR	LAB DUPLICATE	ns	ns	48
F11	06 Mar 2019	60	AE	LAB DUPLICATE	ns	ns	64
F17	07 Mar 2019	80	JLT	LAB DUPLICATE	ns	ns	8e
F18	07 Mar 2019	60	AR	LAB DUPLICATE	ns	ns	46
F19	07 Mar 2019	60	AR	LAB DUPLICATE	ns	ns	10e
F20	07 Mar 2019	60	AE	LAB DUPLICATE	ns	ns	<2
F21	07 Mar 2019	80	JLT	LAB DUPLICATE	ns	ns	60
F28	05 Mar 2019	60	JT	LAB DUPLICATE	ns	ns	<2
F29	05 Mar 2019	60	JT	LAB DUPLICATE	ns	ns	<2
F30	05 Mar 2019	60	JT	LAB DUPLICATE	ns	ns	<2
F31	05 Mar 2019	80	AE	LAB DUPLICATE	ns	ns	42
F32	05 Mar 2019	80	JT	LAB DUPLICATE	ns	ns	58
F34	05 Mar 2019	60	AR	LAB DUPLICATE	ns	ns	<2

ns = not sampled

ND = no data

