



MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE POINT LOMA OCEAN OUTFALL

**POINT LOMA METROPOLITAN WASTEWATER
TREATMENT PLANT**

NPDES PERMIT No. CA 0107409
SDRWQCB Order No. R9-2009-0001

FEBRUARY 2017

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





Public Utilities Department

Environmental Monitoring & Technical Services Division

March 31, 2017

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the February 2017 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2009-0001, 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

TDS/asb

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. R9-2009-0001, NPDES Permit No. CA0107409 for the Point Loma Wastewater Treatment Plant (PLWTP), Point Loma Ocean Outfall (PLOO). This report includes receiving waters monitoring data collected from all shore, kelp and offshore stations specified in the above order. Data for influent and effluent monitoring activities for the PLWTP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality conditions are monitored at eight shore stations (D4, D5, D7–D12). These stations range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Due to site inaccessibility, station D8 has been temporarily abandoned and replaced with station D8-A. This new location will be sampled until access is restored at the original location. Seawater samples are collected from the surf zone at each station five times during the month. These samples are subsequently transported to the City's Marine Microbiology Laboratory and analyzed for the presence of several types of fecal indicator bacteria (FIBs), including total coliforms, fecal coliforms, and *Enterococcus*. Visual observations of water color and clarity, surf height, human or animal activity, and weather conditions are also recorded at the time of sample collection. Wind speed and direction are measured using a hand-held anemometer with a compass.

Kelp Bed Stations

The eight kelp stations are sampled five times during the month according to permit specifications in order to monitor water quality conditions within the Point Loma kelp forest. These stations include three sites located along the inshore edge of the kelp bed paralleling the 9-m depth contour (i.e., stations C4, C5 and C6), and five sites located near the offshore edge of the kelp bed along the 18-m depth contour (i.e., stations A1, A6, A7, C7 and C8).

Routine weekly monitoring at each of the kelp bed sites consists primarily of collecting seawater samples at discrete depths to determine concentrations of indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Additional samples for ammonium analysis are collected at these same sites and depths on a quarterly basis in order to correspond to sampling at the offshore stations located within State waters that is typically scheduled during the months of February, May, August and November. Water column profiles of various physical/chemical parameters are also generated during each sampling event, and visual observations of weather and water conditions are recorded at each station.

Seawater samples at the kelp bed stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for ammonium and bacteriological analyses are then drawn from these bottles into sterile sample bottles for processing at the City's Toxicology Laboratory (ammonium) and Marine Microbiology Laboratory (bacteria), respectively. Water column profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* are generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data

at a rate of eight scans per second. These scans are then internally averaged to create water column profiles with data readings at a rate of one per meter. The CTD data are presented in both graphical and tabular form. Additionally, data for depths closest to those where bacteriological samples are collected are extracted from the CTD profiles and presented with the bacteriological data.

Offshore Stations

Offshore water quality sampling is conducted quarterly typically during the months of February, May, August and November. A total of 36 offshore stations (F01–F36) are sampled during each survey usually over a 3-day period. Three of the stations (F01–F03) are located along the 18-m depth contour, while 11 stations are located along each of the following contours: 60 m (stations F04–F14); 80 m (stations F15–F25); 98 m (stations F26–F36). Of these 36 stations, 15 (F01–F03, F06–F14, F18–F20) are located within State jurisdictional waters (i.e., within 3 nautical miles of shore) and are subject to the California Ocean Plan's compliance standards.

Monitoring at all offshore sites includes measurements of *Enterococcus* bacteria, water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, chromomorphic dissolved organic matter (CDOM), and visual observations of weather and water conditions. Monitoring at sites within State waters also include the collection of discrete grab samples for ammonium analysis (see Table 4.2).

Seawater samples for ammonium and bacteriological analyses at the offshore stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Profiles of the various physical/chemical parameters (listed above) are taken using a Sea-Bird CTD. The CTD profile data are then presented in both graphical and tabular form. Additionally, data for depths closest to those at which bacteriological samples are collected are extracted from the CTD profiles and presented with the bacteriological data.

Bacteriological Reporting and Quality Assurance

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

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the geometric mean and single sample maximum water-contact standards specified in the California Ocean Plan. The seven standards are defined as follows:

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

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;

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

- (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 2017 Quality Assurance Report, which will be completed in March 2018.

SUMMARY OF RESULTS

Shore Stations

- During February 2017, seven of the eight shore stations were out of compliance with various water-contact standards specified in the Ocean Plan as summarized below.
 - o The 30-day geometric mean standard for *Enterococcus* was exceeded at station D11 on multiple days during the month.
 - o The single sample maximum (SSM) standard for total coliform bacteria was exceeded at stations D7, D8-A, D9, D10, and D11 on February 28.
 - o The SSM standard for fecal coliform bacteria was exceeded at stations D7, D8-A, D9, and D10 on February 28.
 - o The SSM standard for *Enterococcus* was exceeded at stations D5, D7, D8-A, D9, D10, D11, and D12 on February 28.
 - o The SSM standard that states total coliform densities shall not exceed 1000 CFU/100 mL when the fecal:total ratio exceeds 0.1 was exceeded at station D10 on February 28.
 - o Per permit requirements, resamples were collected in response to the above SSM exceedances and will be reported in the March 2017 monthly receiving waters monitoring report.
- Nothing of sewage origin was observed at any of the shore stations during weekly sampling in February 2017, although a Sanitary Sewer Overflow Report (Tracking No. 4070234)

- submitted to the San Diego Regional Water Quality Control Board indicated that sewage was released into the San Diego River near Dog Beach on February 27th.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surfgrass. See the City of San Diego's most recent *Point Loma Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled four times during February (i.e. February 4, 6, 14, 24). A fifth sampling event could not be completed due to inclement weather at the end of the month.
- During February, each of the kelp bed stations was in compliance with various water-contact standards specified in the Ocean Plan.
- Water column temperatures ranged from 11.81 to 15.13°C during the month. The difference between surface and bottom waters ranged from 0.10 to 2.63°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.36 to 5.98 µg/L during February, suggesting the presence of phytoplankton blooms during the month.
- Ammonia (as nitrogen) values were < 0.01 mg/L at the kelp bed stations during the month.
- There were no notable visual observations for February.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on February 1, 2, and 3.
- During February, each of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) was in compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*.
- All but 2 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F30 and F31, which exceeded the single sample maximum for *Enterococcus* at 80 m on February 3.
- During February, water column temperatures ranged from 9.69 to 15.36°C. The difference between surface and bottom waters ranged from 0.01 to 5.07°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.07 to 8.88 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Ammonia (as nitrogen) values at the 15 stations located in State waters were < 0.01 mg/L at the offshore stations during the month.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES

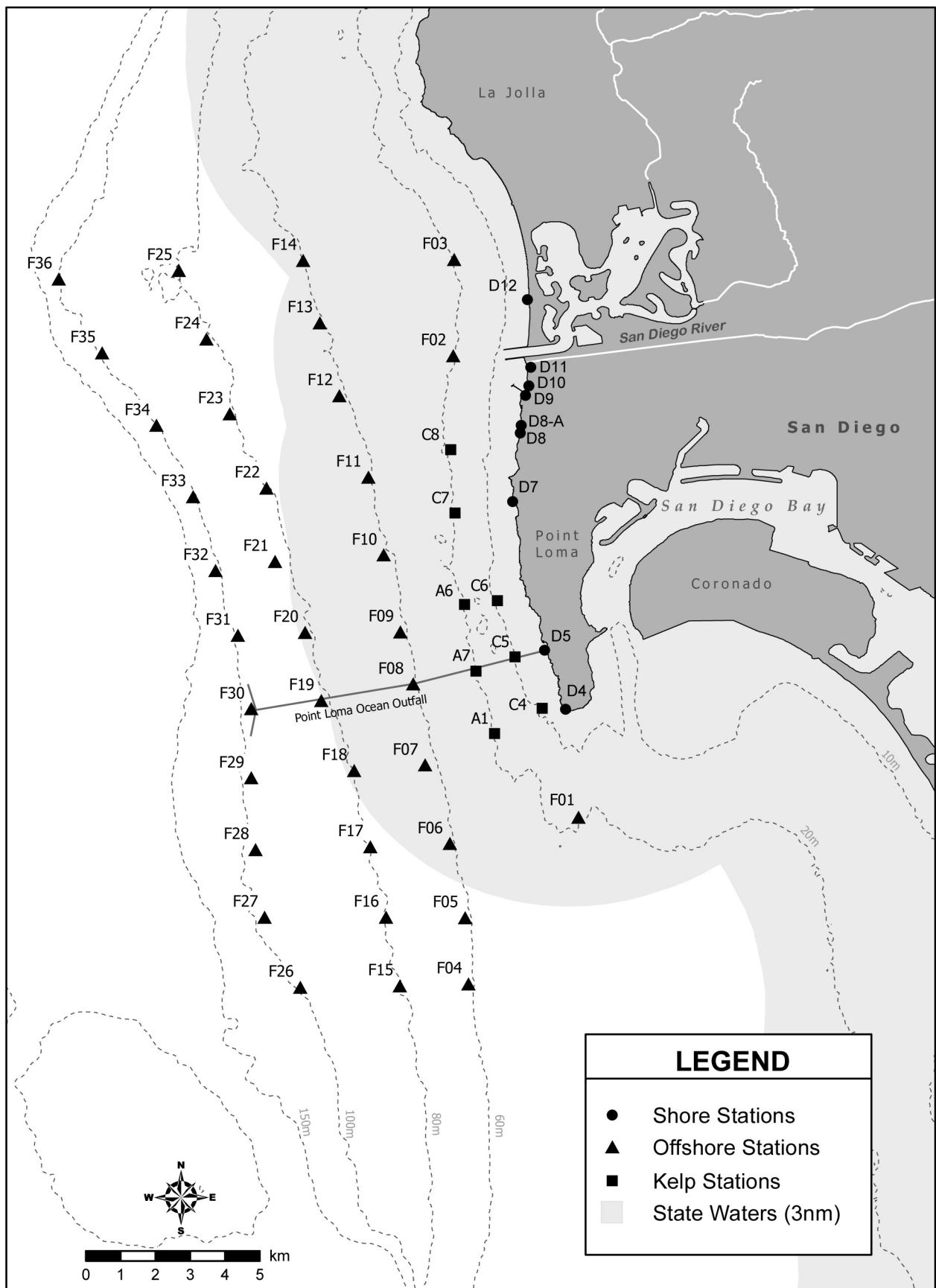


Figure 1.1 Station Map

Shore Stations

Table 2.1

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Feb 2017	11	14	10	31	14	47	131	27
02 Feb 2017	11	14	10	31	14	47	131	27
03 Feb 2017	11	14	10	31	14	47	131	27
04 Feb 2017	11	16	10	27	20	59	203	23
05 Feb 2017	11	16	10	27	20	59	203	23
06 Feb 2017	11	16	10	27	20	59	203	23
07 Feb 2017	11	16	10	27	20	59	203	23
08 Feb 2017	11	16	10	27	20	59	203	23
09 Feb 2017	11	16	10	27	20	59	203	23
10 Feb 2017	11	16	12	24	20	43	134	11
11 Feb 2017	11	16	12	24	20	43	134	11
12 Feb 2017	11	16	12	24	20	43	134	11
13 Feb 2017	11	16	12	24	20	43	134	11
14 Feb 2017	11	16	12	24	20	43	134	11
15 Feb 2017	11	16	12	24	20	43	134	11
16 Feb 2017	7	28	14	25	20	34	102	13
17 Feb 2017	7	28	14	25	20	34	102	13
18 Feb 2017	7	28	14	25	20	34	102	13
19 Feb 2017	7	28	14	25	20	34	102	13
20 Feb 2017	7	28	14	25	20	34	102	13
21 Feb 2017	7	28	14	25	20	34	102	13
22 Feb 2017	4	19	10	14	18	21	55	8
23 Feb 2017	4	19	10	14	18	21	55	8
24 Feb 2017	4	19	10	14	18	21	42	8
25 Feb 2017	4	19	10	14	18	21	42	8
26 Feb 2017	4	19	10	14	18	21	42	8
27 Feb 2017	4	19	10	14	18	21	42	8
28 Feb 2017	8	54	53	73	69	125	161	22

* Geometric mean calculated using n<5

Table 2.2

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

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

* Geometric mean calculated using n<5

Table 2.3

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Feb 2017	5	2	7	10	4	25	42	8
02 Feb 2017	5	2	7	10	4	25	42	8
03 Feb 2017	5	2	7	10	4	25	42	8
04 Feb 2017	5	2	7	10	4	17	51	7
05 Feb 2017	5	2	7	10	4	17	51	7
06 Feb 2017	5	2	7	10	4	17	51	7
07 Feb 2017	5	2	7	10	4	17	51	7
08 Feb 2017	5	2	7	10	4	17	51	7
09 Feb 2017	5	2	7	10	4	17	51	7
10 Feb 2017	6	2	6	7	4	13	40	5
11 Feb 2017	6	2	6	7	4	13	40	5
12 Feb 2017	6	2	6	7	4	13	35	5
13 Feb 2017	6	2	6	7	4	13	35	5
14 Feb 2017	6	2	6	7	4	13	35	5
15 Feb 2017	6	2	6	7	4	13	35	5
16 Feb 2017	6	2	6	7	4	9	28	5
17 Feb 2017	6	2	6	7	4	9	28	5
18 Feb 2017	6	2	6	7	4	9	28	5
19 Feb 2017	6	2	6	7	4	9	28	5
20 Feb 2017	6	2	6	7	4	9	28	5
21 Feb 2017	6	2	6	7	4	9	28	5
22 Feb 2017	3	2	3	4	3	6	12	2
23 Feb 2017	3	2	3	4	3	6	12	2
24 Feb 2017	3	2	2	4	3	6	9	2
25 Feb 2017	3	2	2	4	3	6	9	2
26 Feb 2017	3	2	2	4	3	6	9	2
27 Feb 2017	3	2	2	4	3	6	9	2
28 Feb 2017	6	5	8	14	11	29	31	7

* Geometric mean calculated using n<5

Table 2.4

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
04 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
10 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
28 Feb 2017	IC	IC	E	E	E	E	E	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.5

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
04 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
10 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
28 Feb 2017	IC	IC	E	E	E	E	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.6

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
04 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
10 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
28 Feb 2017	IC	E	E	E	E	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.7

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
04 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
10 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
16 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
22 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
28 Feb 2017	IC	IC	IC	IC	IC	E	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.8

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

Station	Date	Time	Total	Fecal	Enter	F:T
D4	04 Feb 2017	1147	<2	<2	<2	1.00
	10 Feb 2017	840	<20	<2	30e	0.10
	16 Feb 2017	1014	<2	<2	<2	1.00
	22 Feb 2017	853	4e	4e	2e	1.00
	28 Feb 2017	1014	120e	4e	32e	0.03
D5	04 Feb 2017	1215	20e	<2	<2	0.10
	10 Feb 2017	820	<20	2e	2e	0.10
	16 Feb 2017	1036	36e	<2	<2	0.06
	22 Feb 2017	840	<20	4e	2e	0.20
	28 Feb 2017	1035	1600e	40e	120e	0.02
D7	04 Feb 2017	1115	2e	<2	<2	1.00
	10 Feb 2017	909	40e	2e	<2	0.05
	16 Feb 2017	825	4e	<2	2e	0.50
	22 Feb 2017	925	80e	<2	<2	0.02
	28 Feb 2017	1046	>16000	600e	2000e	0.04
D8-A	04 Feb 2017	1059	20e	2e	2e	0.10
	10 Feb 2017	931	40e	<2	20e	0.05
	16 Feb 2017	808	8e	4e	<2	0.50
	22 Feb 2017	947	<20	2e	<2	0.10
	28 Feb 2017	719	>16000	600e	4000e	0.04
D9	04 Feb 2017	1044	20e	2e	2e	0.10
	10 Feb 2017	945	20e	2e	8e	0.10
	16 Feb 2017	941	6e	<2	2e	0.33
	22 Feb 2017	1005	40e	2e	<2	0.05
	28 Feb 2017	925	>16000	600	3000e	0.04
D10	04 Feb 2017	1031	<200	40e	8e	0.20
	10 Feb 2017	958	20e	2e	22e	0.10
	16 Feb 2017	928	12e	<2	<2	0.17
	22 Feb 2017	1020	40e	6e	10e	0.15
	28 Feb 2017	911	>16000	2000e	6200	0.12
D11	04 Feb 2017	1019	140e	<20	8e	0.14
	10 Feb 2017	1018	20e	4e	20e	0.20
	16 Feb 2017	916	12e	2e	2e	0.17
	22 Feb 2017	1029	200e	14e	26e	0.07
	28 Feb 2017	857	>16000	400e	3600e	0.02

Station	Date	Time	Total	Fecal	Enter	F:T
D12	04 Feb 2017	957	6e	2e	<2	0.33
D12	10 Feb 2017	1040	2e	<2	6e	1.00
D12	16 Feb 2017	857	4e	2e	<2	0.50
D12	22 Feb 2017	1050	40e	2e	<2	0.05
D12	28 Feb 2017	837	3000e	40	360e	0.01

ns = not sampled

ND = no data

Table 2.9

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

Station	Date	Parameter	Value
D4	04 Feb 2017	Arrive Time	1147
D4	04 Feb 2017	Weather	Sunny
D4	04 Feb 2017	Wind Speed (kts)	4
D4	04 Feb 2017	Wind Dir	N
D4	04 Feb 2017	Animal Life	None
D4	04 Feb 2017	Floatables	None
D4	04 Feb 2017	Water Color	Green
D4	04 Feb 2017	Current Direction	N
D4	04 Feb 2017	Wave Height Low (ft)	2
D4	04 Feb 2017	High Tide (ft)	2.9
D4	04 Feb 2017	High Tide Time	1559
D4	04 Feb 2017	Low Tide (ft)	0.9
D4	04 Feb 2017	Low Tide Time	1002
D4	04 Feb 2017	Comments	Seagrass; Algae; Water clear
D4	10 Feb 2017	Arrive Time	840
D4	10 Feb 2017	Weather	Foggy
D4	10 Feb 2017	Wind Speed (kts)	2.7
D4	10 Feb 2017	Wind Dir	NW
D4	10 Feb 2017	Animal Life	None
D4	10 Feb 2017	Floatables	None
D4	10 Feb 2017	Water Color	Green
D4	10 Feb 2017	Current Direction	NW
D4	10 Feb 2017	Wave Height Low (ft)	3
D4	10 Feb 2017	High Tide (ft)	6.2
D4	10 Feb 2017	High Tide Time	811
D4	10 Feb 2017	Low Tide (ft)	-1.3
D4	10 Feb 2017	Low Tide Time	1508
D4	10 Feb 2017	Comments	Kelp; Water clear
D4	16 Feb 2017	Arrive Time	1014
D4	16 Feb 2017	Weather	Foggy
D4	16 Feb 2017	Wind Speed (kts)	3
D4	16 Feb 2017	Wind Dir	W
D4	16 Feb 2017	Animal Life	None
D4	16 Feb 2017	Floatables	None
D4	16 Feb 2017	Water Color	Green
D4	16 Feb 2017	Current Direction	W
D4	16 Feb 2017	Wave Height Low (ft)	2
D4	16 Feb 2017	High Tide (ft)	3.2
D4	16 Feb 2017	High Tide Time	1222
D4	16 Feb 2017	Low Tide (ft)	1.5
D4	16 Feb 2017	Low Tide Time	647
D4	16 Feb 2017	Comments	Kelp; Seagrass; Water clear
D4	22 Feb 2017	Arrive Time	853
D4	22 Feb 2017	Weather	Cloudy
D4	22 Feb 2017	Wind Speed (kts)	0.5
D4	22 Feb 2017	Wind Dir	W
D4	22 Feb 2017	Animal Life	None
D4	22 Feb 2017	Floatables	None

Station	Date	Parameter	Value
D4	22 Feb 2017	Water Color	Green
D4	22 Feb 2017	Current Direction	N
D4	22 Feb 2017	Wave Height Low (ft)	3
D4	22 Feb 2017	High Tide (ft)	4.9
D4	22 Feb 2017	High Tide Time	604
D4	22 Feb 2017	Low Tide (ft)	-0.2
D4	22 Feb 2017	Low Tide Time	1315
D4	22 Feb 2017	Comments	Kelp; Seagrass; Water clear
D4	28 Feb 2017	Arrive Time	1014
D4	28 Feb 2017	Weather	Cloudy
D4	28 Feb 2017	Wind Speed (kts)	3
D4	28 Feb 2017	Wind Dir	W
D4	28 Feb 2017	Animal Life	None
D4	28 Feb 2017	Floatables	None
D4	28 Feb 2017	Water Color	Green
D4	28 Feb 2017	Current Direction	W
D4	28 Feb 2017	Wave Height Low (ft)	4
D4	28 Feb 2017	High Tide (ft)	5.2
D4	28 Feb 2017	High Tide Time	950
D4	28 Feb 2017	Low Tide (ft)	-0.4
D4	28 Feb 2017	Low Tide Time	1620
D4	28 Feb 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D5	04 Feb 2017	Arrive Time	1215
D5	04 Feb 2017	Weather	Sunny
D5	04 Feb 2017	Wind Speed (kts)	2.2
D5	04 Feb 2017	Wind Dir	NW
D5	04 Feb 2017	Animal Life	None
D5	04 Feb 2017	Floatables	None
D5	04 Feb 2017	Water Color	Green
D5	04 Feb 2017	Current Direction	NW
D5	04 Feb 2017	Wave Height Low (ft)	2
D5	04 Feb 2017	High Tide (ft)	2.9
D5	04 Feb 2017	High Tide Time	1559
D5	04 Feb 2017	Low Tide (ft)	0.9
D5	04 Feb 2017	Low Tide Time	1002
D5	04 Feb 2017	Comments	Kelp; Seagrass; Algae; Water clear
D5	10 Feb 2017	Arrive Time	820
D5	10 Feb 2017	Weather	Cloudy
D5	10 Feb 2017	Wind Speed (kts)	4.7
D5	10 Feb 2017	Wind Dir	N
D5	10 Feb 2017	Animal Life	None
D5	10 Feb 2017	Floatables	None
D5	10 Feb 2017	Water Color	Green
D5	10 Feb 2017	Current Direction	N
D5	10 Feb 2017	Wave Height Low (ft)	2
D5	10 Feb 2017	High Tide (ft)	6.2
D5	10 Feb 2017	High Tide Time	811
D5	10 Feb 2017	Low Tide (ft)	1
D5	10 Feb 2017	Low Tide Time	210
D5	10 Feb 2017	Comments	Kelp; Seagrass; Water clear
D5	16 Feb 2017	Arrive Time	1036

Station	Date	Parameter	Value
D5	16 Feb 2017	Weather	Cloudy
D5	16 Feb 2017	Wind Speed (kts)	3
D5	16 Feb 2017	Wind Dir	W
D5	16 Feb 2017	Animal Life	None
D5	16 Feb 2017	Floatables	None
D5	16 Feb 2017	Water Color	Green
D5	16 Feb 2017	Current Direction	W
D5	16 Feb 2017	Wave Height Low (ft)	2
D5	16 Feb 2017	High Tide (ft)	3.2
D5	16 Feb 2017	High Tide Time	1222
D5	16 Feb 2017	Low Tide (ft)	1.5
D5	16 Feb 2017	Low Tide Time	647
D5	16 Feb 2017	Comments	Kelp; Seagrass; Water clear
D5	22 Feb 2017	Arrive Time	840
D5	22 Feb 2017	Weather	Cloudy
D5	22 Feb 2017	Wind Speed (kts)	5.4
D5	22 Feb 2017	Wind Dir	W
D5	22 Feb 2017	Animal Life	None
D5	22 Feb 2017	Floatables	None
D5	22 Feb 2017	Water Color	Green
D5	22 Feb 2017	Current Direction	N
D5	22 Feb 2017	Wave Height Low (ft)	4
D5	22 Feb 2017	High Tide (ft)	4.9
D5	22 Feb 2017	High Tide Time	604
D5	22 Feb 2017	Low Tide (ft)	-0.2
D5	22 Feb 2017	Low Tide Time	1315
D5	22 Feb 2017	Comments	Kelp; Seagrass; Water clear
D5	28 Feb 2017	Arrive Time	1035
D5	28 Feb 2017	Weather	Cloudy
D5	28 Feb 2017	Wind Speed (kts)	4
D5	28 Feb 2017	Wind Dir	W
D5	28 Feb 2017	Animal Life	None
D5	28 Feb 2017	Floatables	None
D5	28 Feb 2017	Water Color	Brown
D5	28 Feb 2017	Current Direction	W
D5	28 Feb 2017	Wave Height Low (ft)	3
D5	28 Feb 2017	High Tide (ft)	5.2
D5	28 Feb 2017	High Tide Time	950
D5	28 Feb 2017	Low Tide (ft)	-0.4
D5	28 Feb 2017	Low Tide Time	1620
D5	28 Feb 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D7	04 Feb 2017	Arrive Time	1115
D7	04 Feb 2017	Weather	Sunny
D7	04 Feb 2017	Wind Speed (kts)	3.7
D7	04 Feb 2017	Wind Dir	W
D7	04 Feb 2017	Animal Life	None
D7	04 Feb 2017	Floatables	None
D7	04 Feb 2017	Water Color	Green
D7	04 Feb 2017	Current Direction	W
D7	04 Feb 2017	Wave Height Low (ft)	3
D7	04 Feb 2017	High Tide (ft)	2.9
D7	04 Feb 2017	High Tide Time	1559

Station	Date	Parameter	Value
D7	04 Feb 2017	Low Tide (ft)	0.9
D7	04 Feb 2017	Low Tide Time	1002
D7	04 Feb 2017	Comments	Seagrass; 12 Surfers; Water clear
D7	10 Feb 2017	Arrive Time	909
D7	10 Feb 2017	Weather	Foggy
D7	10 Feb 2017	Wind Speed (kts)	2.3
D7	10 Feb 2017	Wind Dir	W
D7	10 Feb 2017	Animal Life	None
D7	10 Feb 2017	Floatables	None
D7	10 Feb 2017	Water Color	Green
D7	10 Feb 2017	Current Direction	W
D7	10 Feb 2017	Wave Height Low (ft)	3
D7	10 Feb 2017	High Tide (ft)	6.2
D7	10 Feb 2017	High Tide Time	811
D7	10 Feb 2017	Low Tide (ft)	-1.3
D7	10 Feb 2017	Low Tide Time	1508
D7	10 Feb 2017	Comments	Water clear
D7	16 Feb 2017	Arrive Time	825
D7	16 Feb 2017	Weather	Cloudy
D7	16 Feb 2017	Wind Speed (kts)	2
D7	16 Feb 2017	Wind Dir	W
D7	16 Feb 2017	Animal Life	None
D7	16 Feb 2017	Floatables	None
D7	16 Feb 2017	Water Color	Green
D7	16 Feb 2017	Current Direction	W
D7	16 Feb 2017	Wave Height Low (ft)	2
D7	16 Feb 2017	High Tide (ft)	3.2
D7	16 Feb 2017	High Tide Time	1222
D7	16 Feb 2017	Low Tide (ft)	1.5
D7	16 Feb 2017	Low Tide Time	647
D7	16 Feb 2017	Comments	Kelp; Seagrass; 2 Surfers; Water turbid
D7	22 Feb 2017	Arrive Time	925
D7	22 Feb 2017	Weather	Cloudy
D7	22 Feb 2017	Wind Speed (kts)	4.5
D7	22 Feb 2017	Wind Dir	W
D7	22 Feb 2017	Animal Life	None
D7	22 Feb 2017	Floatables	None
D7	22 Feb 2017	Water Color	Green
D7	22 Feb 2017	Current Direction	N
D7	22 Feb 2017	Wave Height Low (ft)	4
D7	22 Feb 2017	High Tide (ft)	4.9
D7	22 Feb 2017	High Tide Time	604
D7	22 Feb 2017	Low Tide (ft)	-0.2
D7	22 Feb 2017	Low Tide Time	1315
D7	22 Feb 2017	Comments	Kelp; Seagrass; Algae; Water clear
D7	28 Feb 2017	Arrive Time	1046
D7	28 Feb 2017	Weather	Cloudy
D7	28 Feb 2017	Wind Speed (kts)	4
D7	28 Feb 2017	Wind Dir	W
D7	28 Feb 2017	Animal Life	None
D7	28 Feb 2017	Floatables	None

Station	Date	Parameter	Value
D7	28 Feb 2017	Water Color	Brown
D7	28 Feb 2017	Current Direction	W
D7	28 Feb 2017	Wave Height Low (ft)	4
D7	28 Feb 2017	High Tide (ft)	5.2
D7	28 Feb 2017	High Tide Time	950
D7	28 Feb 2017	Low Tide (ft)	-0.4
D7	28 Feb 2017	Low Tide Time	1620
D7	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid; Unstable cliff danger sign posted
D8-A	04 Feb 2017	Arrive Time	1059
D8-A	04 Feb 2017	Weather	Sunny
D8-A	04 Feb 2017	Wind Speed (kts)	7.3
D8-A	04 Feb 2017	Wind Dir	N
D8-A	04 Feb 2017	Animal Life	None
D8-A	04 Feb 2017	Floatables	None
D8-A	04 Feb 2017	Water Color	Green
D8-A	04 Feb 2017	Current Direction	N
D8-A	04 Feb 2017	Wave Height Low (ft)	4
D8-A	04 Feb 2017	High Tide (ft)	2.9
D8-A	04 Feb 2017	High Tide Time	1559
D8-A	04 Feb 2017	Low Tide (ft)	0.9
D8-A	04 Feb 2017	Low Tide Time	1002
D8-A	04 Feb 2017	Comments	Kelp; Seagrass; 3 Surfers; Water clear
D8-A	10 Feb 2017	Arrive Time	931
D8-A	10 Feb 2017	Weather	Partly Cloudy
D8-A	10 Feb 2017	Wind Speed (kts)	3.2
D8-A	10 Feb 2017	Wind Dir	W
D8-A	10 Feb 2017	Animal Life	None
D8-A	10 Feb 2017	Floatables	None
D8-A	10 Feb 2017	Water Color	Green
D8-A	10 Feb 2017	Current Direction	W
D8-A	10 Feb 2017	Wave Height Low (ft)	4
D8-A	10 Feb 2017	High Tide (ft)	6.2
D8-A	10 Feb 2017	High Tide Time	811
D8-A	10 Feb 2017	Low Tide (ft)	-1.3
D8-A	10 Feb 2017	Low Tide Time	1508
D8-A	10 Feb 2017	Comments	Kelp; Seagrass; Water clear
D8-A	16 Feb 2017	Arrive Time	808
D8-A	16 Feb 2017	Weather	Foggy
D8-A	16 Feb 2017	Wind Speed (kts)	1
D8-A	16 Feb 2017	Wind Dir	W
D8-A	16 Feb 2017	Animal Life	2 Birds
D8-A	16 Feb 2017	Floatables	None
D8-A	16 Feb 2017	Water Color	Green
D8-A	16 Feb 2017	Current Direction	W
D8-A	16 Feb 2017	Wave Height Low (ft)	3
D8-A	16 Feb 2017	High Tide (ft)	3.2
D8-A	16 Feb 2017	High Tide Time	1222
D8-A	16 Feb 2017	Low Tide (ft)	1.5
D8-A	16 Feb 2017	Low Tide Time	647
D8-A	16 Feb 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D8-A	22 Feb 2017	Arrive Time	947

Station	Date	Parameter	Value
D8-A	22 Feb 2017	Weather	Cloudy
D8-A	22 Feb 2017	Wind Speed (kts)	6.4
D8-A	22 Feb 2017	Wind Dir	W
D8-A	22 Feb 2017	Animal Life	None
D8-A	22 Feb 2017	Floatables	None
D8-A	22 Feb 2017	Water Color	Green
D8-A	22 Feb 2017	Current Direction	N
D8-A	22 Feb 2017	Wave Height Low (ft)	3
D8-A	22 Feb 2017	High Tide (ft)	4.9
D8-A	22 Feb 2017	High Tide Time	604
D8-A	22 Feb 2017	Low Tide (ft)	-0.2
D8-A	22 Feb 2017	Low Tide Time	1315
D8-A	22 Feb 2017	Comments	Kelp; Seagrass; Algae; Water clear
D8-A	28 Feb 2017	Arrive Time	719
D8-A	28 Feb 2017	Weather	Cloudy
D8-A	28 Feb 2017	Wind Speed (kts)	5
D8-A	28 Feb 2017	Wind Dir	W
D8-A	28 Feb 2017	Animal Life	None
D8-A	28 Feb 2017	Floatables	None
D8-A	28 Feb 2017	Water Color	Green
D8-A	28 Feb 2017	Current Direction	W
D8-A	28 Feb 2017	Wave Height Low (ft)	4
D8-A	28 Feb 2017	High Tide (ft)	5.2
D8-A	28 Feb 2017	High Tide Time	950
D8-A	28 Feb 2017	Low Tide (ft)	0.4
D8-A	28 Feb 2017	Low Tide Time	352
D8-A	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid
D9	04 Feb 2017	Arrive Time	1044
D9	04 Feb 2017	Weather	Sunny
D9	04 Feb 2017	Wind Speed (kts)	2.9
D9	04 Feb 2017	Wind Dir	W
D9	04 Feb 2017	Animal Life	None
D9	04 Feb 2017	Floatables	None
D9	04 Feb 2017	Water Color	Green
D9	04 Feb 2017	Current Direction	W
D9	04 Feb 2017	Wave Height Low (ft)	2
D9	04 Feb 2017	High Tide (ft)	2.9
D9	04 Feb 2017	High Tide Time	1559
D9	04 Feb 2017	Low Tide (ft)	0.9
D9	04 Feb 2017	Low Tide Time	1002
D9	04 Feb 2017	Comments	Seagrass; Algae; 5 Persons; Water clear
D9	10 Feb 2017	Arrive Time	945
D9	10 Feb 2017	Weather	Partly Cloudy
D9	10 Feb 2017	Wind Speed (kts)	1.2
D9	10 Feb 2017	Wind Dir	NE
D9	10 Feb 2017	Animal Life	None
D9	10 Feb 2017	Floatables	None
D9	10 Feb 2017	Water Color	Green
D9	10 Feb 2017	Current Direction	NE
D9	10 Feb 2017	Wave Height Low (ft)	3
D9	10 Feb 2017	High Tide (ft)	6.2
D9	10 Feb 2017	High Tide Time	811

Station	Date	Parameter	Value
D9	10 Feb 2017	Low Tide (ft)	-1.3
D9	10 Feb 2017	Low Tide Time	1508
D9	10 Feb 2017	Comments	Kelp; 5 Persons; Water clear
D9	16 Feb 2017	Arrive Time	941
D9	16 Feb 2017	Weather	Cloudy
D9	16 Feb 2017	Wind Speed (kts)	4
D9	16 Feb 2017	Wind Dir	W
D9	16 Feb 2017	Animal Life	None
D9	16 Feb 2017	Floatables	None
D9	16 Feb 2017	Water Color	Green
D9	16 Feb 2017	Current Direction	W
D9	16 Feb 2017	Wave Height Low (ft)	2
D9	16 Feb 2017	High Tide (ft)	3.2
D9	16 Feb 2017	High Tide Time	1222
D9	16 Feb 2017	Low Tide (ft)	1.5
D9	16 Feb 2017	Low Tide Time	647
D9	16 Feb 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D9	22 Feb 2017	Arrive Time	1005
D9	22 Feb 2017	Weather	Cloudy
D9	22 Feb 2017	Wind Speed (kts)	7.4
D9	22 Feb 2017	Wind Dir	W
D9	22 Feb 2017	Animal Life	None
D9	22 Feb 2017	Floatables	None
D9	22 Feb 2017	Water Color	Green
D9	22 Feb 2017	Current Direction	N
D9	22 Feb 2017	Wave Height Low (ft)	4
D9	22 Feb 2017	High Tide (ft)	4.9
D9	22 Feb 2017	High Tide Time	604
D9	22 Feb 2017	Low Tide (ft)	-0.2
D9	22 Feb 2017	Low Tide Time	1315
D9	22 Feb 2017	Comments	Kelp; Seagrass; Algae; Water clear
D9	28 Feb 2017	Arrive Time	925
D9	28 Feb 2017	Weather	Cloudy
D9	28 Feb 2017	Wind Speed (kts)	4
D9	28 Feb 2017	Wind Dir	W
D9	28 Feb 2017	Animal Life	None
D9	28 Feb 2017	Floatables	None
D9	28 Feb 2017	Water Color	Brown
D9	28 Feb 2017	Current Direction	W
D9	28 Feb 2017	Wave Height Low (ft)	3
D9	28 Feb 2017	High Tide (ft)	5.2
D9	28 Feb 2017	High Tide Time	950
D9	28 Feb 2017	Low Tide (ft)	0.4
D9	28 Feb 2017	Low Tide Time	352
D9	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid
D10	04 Feb 2017	Arrive Time	1031
D10	04 Feb 2017	Weather	Sunny
D10	04 Feb 2017	Wind Speed (kts)	2.6
D10	04 Feb 2017	Wind Dir	W
D10	04 Feb 2017	Animal Life	None
D10	04 Feb 2017	Floatables	None

Station	Date	Parameter	Value
D10	04 Feb 2017	Water Color	Green
D10	04 Feb 2017	Current Direction	W
D10	04 Feb 2017	Wave Height Low (ft)	3
D10	04 Feb 2017	High Tide (ft)	2.9
D10	04 Feb 2017	High Tide Time	1559
D10	04 Feb 2017	Low Tide (ft)	0.9
D10	04 Feb 2017	Low Tide Time	1002
D10	04 Feb 2017	Comments	Seagrass; 23 Persons; 3 Surfers; 4 Swimmers; Water clear
D10	10 Feb 2017	Arrive Time	958
D10	10 Feb 2017	Weather	Sunny
D10	10 Feb 2017	Wind Speed (kts)	0.3
D10	10 Feb 2017	Wind Dir	E
D10	10 Feb 2017	Animal Life	None
D10	10 Feb 2017	Floatables	None
D10	10 Feb 2017	Water Color	Green
D10	10 Feb 2017	Current Direction	E
D10	10 Feb 2017	Wave Height Low (ft)	2
D10	10 Feb 2017	High Tide (ft)	6.2
D10	10 Feb 2017	High Tide Time	811
D10	10 Feb 2017	Low Tide (ft)	-1.3
D10	10 Feb 2017	Low Tide Time	1508
D10	10 Feb 2017	Comments	4 Persons; 2 Surfers; Water clear
D10	16 Feb 2017	Arrive Time	928
D10	16 Feb 2017	Weather	Cloudy
D10	16 Feb 2017	Wind Speed (kts)	3
D10	16 Feb 2017	Wind Dir	W
D10	16 Feb 2017	Animal Life	None
D10	16 Feb 2017	Floatables	None
D10	16 Feb 2017	Water Color	Green
D10	16 Feb 2017	Current Direction	W
D10	16 Feb 2017	Wave Height Low (ft)	2
D10	16 Feb 2017	High Tide (ft)	3.2
D10	16 Feb 2017	High Tide Time	1222
D10	16 Feb 2017	Low Tide (ft)	1.5
D10	16 Feb 2017	Low Tide Time	647
D10	16 Feb 2017	Comments	Kelp; Seagrass; 4 Surfers; Water turbid
D10	22 Feb 2017	Arrive Time	1020
D10	22 Feb 2017	Weather	Cloudy
D10	22 Feb 2017	Wind Speed (kts)	6.3
D10	22 Feb 2017	Wind Dir	W
D10	22 Feb 2017	Animal Life	None
D10	22 Feb 2017	Floatables	None
D10	22 Feb 2017	Water Color	Green
D10	22 Feb 2017	Current Direction	N
D10	22 Feb 2017	Wave Height Low (ft)	4
D10	22 Feb 2017	High Tide (ft)	4.9
D10	22 Feb 2017	High Tide Time	604
D10	22 Feb 2017	Low Tide (ft)	-0.2
D10	22 Feb 2017	Low Tide Time	1315
D10	22 Feb 2017	Comments	Kelp; Seagrass; 7 Persons; Water clear
D10	28 Feb 2017	Arrive Time	911

Station	Date	Parameter	Value
D10	28 Feb 2017	Weather	Cloudy
D10	28 Feb 2017	Wind Speed (kts)	3
D10	28 Feb 2017	Wind Dir	W
D10	28 Feb 2017	Animal Life	None
D10	28 Feb 2017	Floatables	None
D10	28 Feb 2017	Water Color	Brown
D10	28 Feb 2017	Current Direction	W
D10	28 Feb 2017	Wave Height Low (ft)	3
D10	28 Feb 2017	High Tide (ft)	5.2
D10	28 Feb 2017	High Tide Time	950
D10	28 Feb 2017	Low Tide (ft)	0.4
D10	28 Feb 2017	Low Tide Time	352
D10	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid
D11	04 Feb 2017	Arrive Time	1019
D11	04 Feb 2017	Weather	Sunny
D11	04 Feb 2017	Wind Speed (kts)	2.5
D11	04 Feb 2017	Wind Dir	W
D11	04 Feb 2017	Animal Life	None
D11	04 Feb 2017	Floatables	None
D11	04 Feb 2017	Water Color	Green
D11	04 Feb 2017	Current Direction	W
D11	04 Feb 2017	Wave Height Low (ft)	3
D11	04 Feb 2017	High Tide (ft)	2.9
D11	04 Feb 2017	High Tide Time	1559
D11	04 Feb 2017	Low Tide (ft)	0.9
D11	04 Feb 2017	Low Tide Time	1002
D11	04 Feb 2017	Comments	Seagrass; 14 Persons; 4 Surfers; Water clear
D11	10 Feb 2017	Arrive Time	1018
D11	10 Feb 2017	Weather	Foggy
D11	10 Feb 2017	Wind Speed (kts)	10.4
D11	10 Feb 2017	Wind Dir	W
D11	10 Feb 2017	Animal Life	None
D11	10 Feb 2017	Floatables	None
D11	10 Feb 2017	Water Color	Green
D11	10 Feb 2017	Current Direction	W
D11	10 Feb 2017	Wave Height Low (ft)	3
D11	10 Feb 2017	High Tide (ft)	6.2
D11	10 Feb 2017	High Tide Time	811
D11	10 Feb 2017	Low Tide (ft)	-1.3
D11	10 Feb 2017	Low Tide Time	1508
D11	10 Feb 2017	Comments	Seagrass; 11 Persons; 1 Surfer; Water clear
D11	16 Feb 2017	Arrive Time	916
D11	16 Feb 2017	Weather	Cloudy
D11	16 Feb 2017	Wind Speed (kts)	2
D11	16 Feb 2017	Wind Dir	W
D11	16 Feb 2017	Animal Life	6 Dogs
D11	16 Feb 2017	Floatables	None
D11	16 Feb 2017	Water Color	Green
D11	16 Feb 2017	Current Direction	W
D11	16 Feb 2017	Wave Height Low (ft)	3
D11	16 Feb 2017	High Tide (ft)	3.2
D11	16 Feb 2017	High Tide Time	1222

Station	Date	Parameter	Value
D11	16 Feb 2017	Low Tide (ft)	1.5
D11	16 Feb 2017	Low Tide Time	647
D11	16 Feb 2017	Comments	Kelp; Seagrass; Algae; Water turbid
D11	22 Feb 2017	Arrive Time	1029
D11	22 Feb 2017	Weather	Cloudy
D11	22 Feb 2017	Wind Speed (kts)	3.4
D11	22 Feb 2017	Wind Dir	W
D11	22 Feb 2017	Animal Life	None
D11	22 Feb 2017	Floatables	None
D11	22 Feb 2017	Water Color	Green
D11	22 Feb 2017	Current Direction	N
D11	22 Feb 2017	Wave Height Low (ft)	4
D11	22 Feb 2017	High Tide (ft)	4.9
D11	22 Feb 2017	High Tide Time	604
D11	22 Feb 2017	Low Tide (ft)	-0.2
D11	22 Feb 2017	Low Tide Time	1315
D11	22 Feb 2017	Comments	Kelp; Seagrass; 1 Fisherman; Water clear
D11	28 Feb 2017	Arrive Time	857
D11	28 Feb 2017	Weather	Cloudy
D11	28 Feb 2017	Wind Speed (kts)	3
D11	28 Feb 2017	Wind Dir	W
D11	28 Feb 2017	Animal Life	None
D11	28 Feb 2017	Floatables	None
D11	28 Feb 2017	Water Color	Brown
D11	28 Feb 2017	Current Direction	W
D11	28 Feb 2017	Wave Height Low (ft)	4
D11	28 Feb 2017	High Tide (ft)	5.2
D11	28 Feb 2017	High Tide Time	950
D11	28 Feb 2017	Low Tide (ft)	0.4
D11	28 Feb 2017	Low Tide Time	352
D11	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid
D12	04 Feb 2017	Arrive Time	957
D12	04 Feb 2017	Weather	Sunny
D12	04 Feb 2017	Wind Speed (kts)	2.9
D12	04 Feb 2017	Wind Dir	W
D12	04 Feb 2017	Animal Life	None
D12	04 Feb 2017	Floatables	None
D12	04 Feb 2017	Water Color	Green
D12	04 Feb 2017	Current Direction	W
D12	04 Feb 2017	Wave Height Low (ft)	3
D12	04 Feb 2017	High Tide (ft)	2.9
D12	04 Feb 2017	High Tide Time	1559
D12	04 Feb 2017	Low Tide (ft)	0.9
D12	04 Feb 2017	Low Tide Time	1002
D12	04 Feb 2017	Comments	5 Joggers; 26 Persons; 4 Swimmers; Water clear
D12	10 Feb 2017	Arrive Time	1040
D12	10 Feb 2017	Weather	Cloudy
D12	10 Feb 2017	Wind Speed (kts)	9.7
D12	10 Feb 2017	Wind Dir	W
D12	10 Feb 2017	Animal Life	None
D12	10 Feb 2017	Floatables	None

Station	Date	Parameter	Value
D12	10 Feb 2017	Water Color	Green
D12	10 Feb 2017	Current Direction	W
D12	10 Feb 2017	Wave Height Low (ft)	2
D12	10 Feb 2017	High Tide (ft)	6.2
D12	10 Feb 2017	High Tide Time	811
D12	10 Feb 2017	Low Tide (ft)	-1.3
D12	10 Feb 2017	Low Tide Time	1508
D12	10 Feb 2017	Comments	1 Surfer; Water clear
D12	16 Feb 2017	Arrive Time	857
D12	16 Feb 2017	Weather	Foggy
D12	16 Feb 2017	Wind Speed (kts)	2
D12	16 Feb 2017	Wind Dir	W
D12	16 Feb 2017	Animal Life	None
D12	16 Feb 2017	Floatables	None
D12	16 Feb 2017	Water Color	Green
D12	16 Feb 2017	Current Direction	W
D12	16 Feb 2017	Wave Height Low (ft)	3
D12	16 Feb 2017	High Tide (ft)	3.2
D12	16 Feb 2017	High Tide Time	1222
D12	16 Feb 2017	Low Tide (ft)	1.5
D12	16 Feb 2017	Low Tide Time	647
D12	16 Feb 2017	Comments	Kelp; Seagrass; 1 Swimmer; Water turbid
D12	22 Feb 2017	Arrive Time	1050
D12	22 Feb 2017	Weather	Cloudy
D12	22 Feb 2017	Wind Speed (kts)	5.8
D12	22 Feb 2017	Wind Dir	W
D12	22 Feb 2017	Animal Life	None
D12	22 Feb 2017	Floatables	None
D12	22 Feb 2017	Water Color	Green
D12	22 Feb 2017	Current Direction	N
D12	22 Feb 2017	Wave Height Low (ft)	4
D12	22 Feb 2017	High Tide (ft)	4.9
D12	22 Feb 2017	High Tide Time	604
D12	22 Feb 2017	Low Tide (ft)	-0.2
D12	22 Feb 2017	Low Tide Time	1315
D12	22 Feb 2017	Comments	Kelp; Seagrass; 8 Persons; Water clear
D12	28 Feb 2017	Arrive Time	837
D12	28 Feb 2017	Weather	Cloudy
D12	28 Feb 2017	Wind Speed (kts)	5
D12	28 Feb 2017	Wind Dir	W
D12	28 Feb 2017	Animal Life	None
D12	28 Feb 2017	Floatables	None
D12	28 Feb 2017	Water Color	Green
D12	28 Feb 2017	Current Direction	W
D12	28 Feb 2017	Wave Height Low (ft)	4
D12	28 Feb 2017	High Tide (ft)	5.2
D12	28 Feb 2017	High Tide Time	950
D12	28 Feb 2017	Low Tide (ft)	0.4
D12	28 Feb 2017	Low Tide Time	352
D12	28 Feb 2017	Comments	Kelp; Seagrass; Water turbid

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Feb 2017	17	10	19	3	4	3	5	5
02 Feb 2017	17	10	19	3	4	3	5	5
03 Feb 2017	17	10	19	3	4	3	5	5
04 Feb 2017	13	8	19	4	5	4	5	6
05 Feb 2017	17	9	17	5	7	4	5	6
06 Feb 2017	12	8	13	4	5	4	5	5
07 Feb 2017	12	8	13	4	5	4	5	5
08 Feb 2017	12	8	13	4	5	4	5	5
09 Feb 2017	12	8	13	4	5	4	5	5
10 Feb 2017	12	8	13	4	5	4	5	5
11 Feb 2017	12	8	13	4	5	4	5	5
12 Feb 2017	17	9	18	5	4	4	5	5
13 Feb 2017	17	9	18	5	4	4	5	5
14 Feb 2017	12	14	14	4	4	4	4	5
15 Feb 2017	12	14	14	4	4	4	4	5
16 Feb 2017	9	14	10	5	4	4	4	6
17 Feb 2017	9	14	10	5	4	4	4	6
18 Feb 2017	9	14	10	5	4	4	4	6
19 Feb 2017	9	14	10	5	4	4	4	6
20 Feb 2017	9	14	10	5	4	4	4	6
21 Feb 2017	9	14	10	5	4	4	4	6
22 Feb 2017	9	14	10	5	4	4	4	6
23 Feb 2017	9	14	10	5	4	4	4	6
24 Feb 2017	6	7	5	7	3	3	4	5
25 Feb 2017	6	7	5	7	3	3	4	5
26 Feb 2017	6	7	5	7	3	3	4	5
27 Feb 2017	6	7	5	7	3	3	4	5
28 Feb 2017	3*	8*	5*	9*	4*	3*	5*	6*

* Geometric mean calculated using n<5

Table 3.2

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

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

* Geometric mean calculated using n<5

Table 3.3

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

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

* Geometric mean calculated using n<5

Table 3.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
04 Feb 2017	IC							
06 Feb 2017	IC							
14 Feb 2017	IC							
24 Feb 2017	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

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 Feb 2017	IC							
06 Feb 2017	IC							
14 Feb 2017	IC							
24 Feb 2017	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

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 Feb 2017	IC							
06 Feb 2017	IC							
14 Feb 2017	IC							
24 Feb 2017	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

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 Feb 2017	IC							
06 Feb 2017	IC							
14 Feb 2017	IC							
24 Feb 2017	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.8

Summary of water quality parameters at the PLOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (Enter) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; ammonium (N-NH₃) values are reported as mg/L; values for temperature (Temp, °C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH ₃	Temp	XMS	DO	Sal	pH
A1	04 Feb 2017	743	1	6e	<2	<2	0.33	<0.01	14.4	73.42	8.7	33.19	8.2
A1	04 Feb 2017	743	12	2e	<2	<2	1.00	<0.01	14.7	80.05	7.8	33.27	8.2
A1	04 Feb 2017	743	18	2e	<2	2e	1.00	<0.01	14.5	80.17	7.7	33.31	8.1
A1	06 Feb 2017	826	1	<2	<2	<2	1.00	ns	14.8	87.52	8.0	33.33	8.1
A1	06 Feb 2017	826	12	<2	<2	<2	1.00	ns	14.8	87.88	7.8	33.33	8.1
A1	06 Feb 2017	826	18	<2	<2	<2	1.00	ns	14.5	88.29	7.1	33.34	8.1
A1	14 Feb 2017	735	1	<2	<2	4e	1.00	ns	14.9	82.37	8.1	33.30	8.1
A1	14 Feb 2017	735	12	<2	2e	2e	1.00	ns	14.5	86.37	6.9	33.32	8.1
A1	14 Feb 2017	735	18	<2	<2	<2	1.00	ns	13.6	89.31	6.5	33.33	8.0
A1	24 Feb 2017	756	1	4e	<2	<2	0.50	ns	14.4	82.58	7.6	33.25	8.0
A1	24 Feb 2017	756	12	4e	<2	<2	0.50	ns	14.3	81.79	7.3	33.24	8.0
A1	24 Feb 2017	756	18	20e	2e	4e	0.10	ns	13.3	81.36	4.7	33.35	8.0
C4	04 Feb 2017	911	1	<20	<2	<2	0.10	<0.01	14.5	41.60	8.1	33.21	8.1
C4	04 Feb 2017	911	3	<20	<2	<2	0.10	<0.01	14.5	39.26	8.1	33.21	8.1
C4	04 Feb 2017	911	9	20e	<2	<2	0.10	<0.01	14.4	31.95	7.8	33.20	8.1
C4	06 Feb 2017	1124	1	2e	<2	2e	1.00	ns	14.7	78.00	7.9	33.20	8.1
C4	06 Feb 2017	1124	3	2e	<2	<2	1.00	ns	14.7	79.13	7.7	33.21	8.1
C4	06 Feb 2017	1124	9	<2	<2	<2	1.00	ns	14.5	76.58	6.8	33.31	8.1
C4	14 Feb 2017	902	1	<2	<2	<2	1.00	ns	14.8	84.42	8.1	33.28	8.2
C4	14 Feb 2017	902	3	<2	<2	<2	1.00	ns	14.7	84.95	8.0	33.28	8.2
C4	14 Feb 2017	902	9	<2	<2	<2	1.00	ns	13.9	86.28	6.5	33.31	8.1
C4	24 Feb 2017	937	1	4e	<2	<2	0.50	ns	14.2	71.03	7.4	33.22	8.0
C4	24 Feb 2017	937	3	<200	<2	<2	0.01	ns	14.1	70.82	7.4	33.23	8.0
C4	24 Feb 2017	937	9	<2	<2	<2	1.00	ns	14.0	63.65	6.3	33.28	8.0
C5	04 Feb 2017	901	1	<20	<2	<2	0.10	<0.01	14.8	33.13	7.1	33.22	8.1
C5	04 Feb 2017	901	3	<20	<2	<2	0.10	<0.01	14.7	31.56	7.8	33.26	8.1
C5	04 Feb 2017	901	9	<20	<2	<2	0.10	<0.01	14.5	12.21	6.9	33.24	8.0
C5	06 Feb 2017	1110	1	<2	<2	<2	1.00	ns	14.7	71.98	7.7	33.27	8.1
C5	06 Feb 2017	1110	3	2e	<2	<2	1.00	ns	14.7	71.95	7.6	33.27	8.1
C5	06 Feb 2017	1110	9	<2	<2	<2	1.00	ns	14.6	69.79	6.4	33.27	8.1
C5	14 Feb 2017	850	1	<2	<2	<2	1.00	ns	14.8	81.23	8.2	33.29	8.2
C5	14 Feb 2017	850	3	<2	<2	<2	1.00	ns	14.8	81.84	8.1	33.29	8.2
C5	14 Feb 2017	850	9	2e	<2	<2	1.00	ns	14.6	71.23	7.4	33.29	8.1
C5	24 Feb 2017	924	1	2e	<2	<2	1.00	ns	14.1	55.18	7.4	33.26	8.0
C5	24 Feb 2017	924	3	<2	<2	<2	1.00	ns	14.1	60.58	7.4	33.26	8.0

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C5	24 Feb 2017	924	9	2e	<2	<2	1.00	ns	14.0	67.06	6.3	33.26	8.0
A6	04 Feb 2017	811	1	<2	<2	<2	1.00	<0.01	14.6	76.17	8.8	33.20	8.2
A6	04 Feb 2017	811	12	2e	<2	2e	1.00	<0.01	14.7	82.93	8.4	33.28	8.2
A6	04 Feb 2017	811	18	4e	<2	2e	0.50	<0.01	14.6	76.66	8.4	33.25	8.2
A6	06 Feb 2017	857	1	4e	<2	<2	0.50	ns	14.7	81.47	7.7	33.27	8.1
A6	06 Feb 2017	857	12	8e	<2	<2	0.25	ns	14.2	81.21	6.9	33.32	8.1
A6	06 Feb 2017	857	18	<2	<2	<2	1.00	ns	14.0	79.18	6.8	33.32	8.1
A6	14 Feb 2017	758	1	<2	<2	<2	1.00	ns	14.8	87.14	7.7	33.30	8.1
A6	14 Feb 2017	758	12	100e	20e	<2	0.20	ns	12.5	83.89	5.4	33.38	7.9
A6	14 Feb 2017	758	18	400	36e	4e	0.09	ns	12.4	81.58	5.5	33.37	7.9
A6	24 Feb 2017	821	1	<2	<2	<2	1.00	ns	14.7	82.35	7.8	33.22	8.1
A6	24 Feb 2017	821	12	<2	<2	<2	1.00	ns	14.7	82.99	7.7	33.23	8.1
A6	24 Feb 2017	821	18	<2	<2	<2	1.00	ns	14.4	84.50	7.1	33.27	8.1
C6	04 Feb 2017	851	1	<2	<2	<2	1.00	<0.01	14.7	64.00	7.4	33.24	8.1
C6	04 Feb 2017	851	3	<2	<2	<2	1.00	<0.01	14.7	65.54	8.3	33.24	8.1
C6	04 Feb 2017	851	9	<20	<2	<2	0.10	<0.01	14.4	50.27	7.1	33.26	8.1
C6	06 Feb 2017	1047	1	<2	<2	<2	1.00	ns	14.7	75.48	7.6	33.26	8.1
C6	06 Feb 2017	1047	3	<2	<2	<2	1.00	ns	14.7	76.11	7.6	33.26	8.1
C6	06 Feb 2017	1047	9	<2	<2	<2	1.00	ns	14.6	77.97	7.2	33.27	8.1
C6	14 Feb 2017	840	1	<2	<2	<2	1.00	ns	14.9	81.48	8.3	33.29	8.2
C6	14 Feb 2017	840	3	<2	<2	<2	1.00	ns	14.9	81.12	8.1	33.29	8.2
C6	14 Feb 2017	840	9	<2	<2	<2	1.00	ns	13.8	83.53	6.3	33.33	8.0
C6	24 Feb 2017	911	1	<2	<2	<2	1.00	ns	14.1	66.20	7.7	33.24	8.0
C6	24 Feb 2017	911	3	<2	<2	<2	1.00	ns	14.1	65.81	7.6	33.24	8.0
C6	24 Feb 2017	911	9	4e	<2	<2	0.50	ns	13.9	64.29	6.3	33.28	8.0
A7	04 Feb 2017	759	1	<2	<2	<2	1.00	<0.01	14.6	65.86	7.7	33.23	8.1
A7	04 Feb 2017	759	12	2e	<2	<2	1.00	<0.01	14.6	78.72	8.0	33.28	8.1
A7	04 Feb 2017	759	18	60e	<2	2e	0.03	<0.01	14.4	67.51	7.9	33.29	8.1
A7	06 Feb 2017	840	1	4e	4e	<2	1.00	ns	14.8	86.88	7.8	33.32	8.1
A7	06 Feb 2017	840	12	<2	<2	<2	1.00	ns	14.7	87.50	7.7	33.33	8.1
A7	06 Feb 2017	840	18	2e	<2	<2	1.00	ns	14.3	86.00	7.0	33.33	8.1
A7	14 Feb 2017	745	1	2e	<2	<2	1.00	ns	14.8	84.42	7.9	33.30	8.1
A7	14 Feb 2017	745	12	2e	<2	<2	1.00	ns	14.0	87.66	6.5	33.32	8.1
A7	14 Feb 2017	745	18	8e	<2	2e	0.25	ns	12.6	85.20	5.2	33.38	8.0
A7	24 Feb 2017	808	1	<2	<2	<2	1.00	ns	14.5	83.67	7.7	33.24	8.1
A7	24 Feb 2017	808	12	<2	<2	2e	1.00	ns	14.4	84.51	7.2	33.25	8.1
A7	24 Feb 2017	808	18	4e	<2	<2	0.50	ns	13.7	84.56	6.2	33.32	8.0
C7	04 Feb 2017	825	1	<2	<2	<2	1.00	<0.01	14.7	75.26	8.8	33.22	8.2
C7	04 Feb 2017	825	12	2e	<2	<2	1.00	<0.01	14.6	81.43	8.3	33.27	8.2
C7	04 Feb 2017	825	18	<20	<2	<2	0.10	<0.01	14.3	71.00	7.4	33.27	8.1
C7	06 Feb 2017	912	1	<2	<2	<2	1.00	ns	14.7	80.04	8.0	33.28	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C7	06 Feb 2017	912	12	<2	<2	<2	1.00	ns	14.5	85.05	7.4	33.33	8.1
C7	06 Feb 2017	912	18	4e	2e	<2	0.50	ns	13.8	75.31	7.1	33.31	8.0
C7	14 Feb 2017	811	1	<2	<2	<2	1.00	ns	15.1	85.10	8.2	33.29	8.2
C7	14 Feb 2017	811	12	<2	<2	<2	1.00	ns	13.4	86.09	6.3	33.34	8.0
C7	14 Feb 2017	811	18	<2	<2	<2	1.00	ns	13.2	86.47	6.2	33.34	8.0
C7	24 Feb 2017	837	1	4e	<2	<2	0.50	ns	14.5	81.04	7.7	33.24	8.1
C7	24 Feb 2017	837	12	2e	<2	<2	1.00	ns	14.1	87.20	6.2	33.30	8.0
C7	24 Feb 2017	837	18	36e	2e	<2	0.06	ns	12.7	83.03	5.4	33.40	7.9
C8	04 Feb 2017	834	1	<2	<2	<2	1.00	<0.01	14.8	75.81	7.0	33.25	8.1
C8	04 Feb 2017	834	12	<2	<2	<2	1.00	<0.01	14.5	81.07	7.7	33.28	8.1
C8	04 Feb 2017	834	18	<20	2e	<2	0.10	<0.01	14.1	56.31	7.0	33.30	8.1
C8	06 Feb 2017	925	1	<2	<2	<2	1.00	ns	14.8	79.06	8.0	33.27	8.2
C8	06 Feb 2017	925	12	2e	<2	<2	1.00	ns	14.6	84.04	7.2	33.31	8.1
C8	06 Feb 2017	925	18	<2	<2	<2	1.00	ns	13.5	62.38	6.4	33.36	8.0
C8	14 Feb 2017	822	1	<2	<2	<2	1.00	ns	15.1	86.72	8.2	33.28	8.2
C8	14 Feb 2017	822	12	2e	<2	<2	1.00	ns	14.0	84.75	6.3	33.32	8.1
C8	14 Feb 2017	822	18	10e	<2	<2	0.20	ns	13.2	85.60	6.3	33.34	8.0
C8	24 Feb 2017	849	1	<2	<2	<2	1.00	ns	14.4	85.60	7.7	33.25	8.1
C8	24 Feb 2017	849	12	2e	<2	<2	1.00	ns	13.5	85.92	6.1	33.34	8.0
C8	24 Feb 2017	849	18	40	2e	4e	0.05	ns	12.3	81.24	5.0	33.42	7.9

ns = not sampled

ND = no data

Table 3.9

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

Station	Date	Parameter	Value
A1	04 Feb 2017	Depth (m)	19
A1	04 Feb 2017	Arrive Time	743
A1	04 Feb 2017	Depart Time	751
A1	04 Feb 2017	Air Temp (C)	14
A1	04 Feb 2017	Weather	Partly Cloudy
A1	04 Feb 2017	Visibility (mi)	8
A1	04 Feb 2017	Wind Speed (kts)	0
A1	04 Feb 2017	Wind Dir	
A1	04 Feb 2017	Water Color	Green
A1	04 Feb 2017	Wave Ht Low (ft)	7
A1	04 Feb 2017	Wave Period (sec)	13
A1	04 Feb 2017	Sea State	Calm
A1	04 Feb 2017	High Tide (ft)	2.9
A1	04 Feb 2017	High Tide Time	1559
A1	04 Feb 2017	Low Tide (ft)	0.9
A1	04 Feb 2017	Low Tide Time	1002
A1	04 Feb 2017	Comments	Kelp; Seagrass
A1	06 Feb 2017	Depth (m)	18
A1	06 Feb 2017	Arrive Time	826
A1	06 Feb 2017	Depart Time	832
A1	06 Feb 2017	Air Temp (C)	14
A1	06 Feb 2017	Weather	Partly Cloudy
A1	06 Feb 2017	Visibility (mi)	10
A1	06 Feb 2017	Wind Speed (kts)	11
A1	06 Feb 2017	Wind Dir	NE
A1	06 Feb 2017	Water Color	Greenish-Blue
A1	06 Feb 2017	Wave Ht Low (ft)	3
A1	06 Feb 2017	Wave Period (sec)	11
A1	06 Feb 2017	Sea State	Heavy chop
A1	06 Feb 2017	High Tide (ft)	5.4
A1	06 Feb 2017	High Tide Time	455
A1	06 Feb 2017	Low Tide (ft)	-0.4
A1	06 Feb 2017	Low Tide Time	1221
A1	06 Feb 2017	Comments	Kelp
A1	14 Feb 2017	Depth (m)	18
A1	14 Feb 2017	Arrive Time	735
A1	14 Feb 2017	Depart Time	739
A1	14 Feb 2017	Air Temp (C)	14
A1	14 Feb 2017	Weather	Partly Cloudy
A1	14 Feb 2017	Visibility (mi)	3
A1	14 Feb 2017	Wind Speed (kts)	6
A1	14 Feb 2017	Wind Dir	W
A1	14 Feb 2017	Water Color	Brownish-Green
A1	14 Feb 2017	Wave Ht Low (ft)	3
A1	14 Feb 2017	Wave Period (sec)	11
A1	14 Feb 2017	Sea State	Confused swell
A1	14 Feb 2017	High Tide (ft)	4.5
A1	14 Feb 2017	High Tide Time	1049
A1	14 Feb 2017	Low Tide (ft)	1.1

Station	Date	Parameter	Value
A1	14 Feb 2017	Low Tide Time	500
A1	14 Feb 2017	Comments	
A1	24 Feb 2017	Depth (m)	20
A1	24 Feb 2017	Arrive Time	756
A1	24 Feb 2017	Depart Time	800
A1	24 Feb 2017	Air Temp (C)	10
A1	24 Feb 2017	Weather	Partly Cloudy
A1	24 Feb 2017	Visibility (mi)	10
A1	24 Feb 2017	Wind Speed (kts)	11
A1	24 Feb 2017	Wind Dir	N
A1	24 Feb 2017	Water Color	Green
A1	24 Feb 2017	Wave Ht Low (ft)	4
A1	24 Feb 2017	Wave Period (sec)	11
A1	24 Feb 2017	Sea State	Light chop
A1	24 Feb 2017	High Tide (ft)	5.5
A1	24 Feb 2017	High Tide Time	719
A1	24 Feb 2017	Low Tide (ft)	-0.8
A1	24 Feb 2017	Low Tide Time	1415
A1	24 Feb 2017	Comments	Lobster floats
C4	04 Feb 2017	Depth (m)	11
C4	04 Feb 2017	Arrive Time	911
C4	04 Feb 2017	Depart Time	915
C4	04 Feb 2017	Air Temp (C)	15
C4	04 Feb 2017	Weather	Overcast
C4	04 Feb 2017	Visibility (mi)	6
C4	04 Feb 2017	Wind Speed (kts)	4
C4	04 Feb 2017	Wind Dir	W
C4	04 Feb 2017	Water Color	Brownish-Green
C4	04 Feb 2017	Wave Ht Low (ft)	7
C4	04 Feb 2017	Wave Period (sec)	13
C4	04 Feb 2017	Sea State	Calm
C4	04 Feb 2017	High Tide (ft)	2.9
C4	04 Feb 2017	High Tide Time	1559
C4	04 Feb 2017	Low Tide (ft)	0.9
C4	04 Feb 2017	Low Tide Time	1002
C4	04 Feb 2017	Comments	Boats on station; Kelp; Surf grass; Lobster floats; High cdom; Surfers
C4	06 Feb 2017	Depth (m)	9
C4	06 Feb 2017	Arrive Time	1124
C4	06 Feb 2017	Depart Time	1129
C4	06 Feb 2017	Air Temp (C)	14
C4	06 Feb 2017	Weather	Overcast
C4	06 Feb 2017	Visibility (mi)	10
C4	06 Feb 2017	Wind Speed (kts)	11
C4	06 Feb 2017	Wind Dir	SW
C4	06 Feb 2017	Water Color	Greenish-Blue
C4	06 Feb 2017	Wave Ht Low (ft)	3
C4	06 Feb 2017	Wave Period (sec)	11
C4	06 Feb 2017	Sea State	Heavy chop
C4	06 Feb 2017	High Tide (ft)	5.4
C4	06 Feb 2017	High Tide Time	455
C4	06 Feb 2017	Low Tide (ft)	-0.4

Station	Date	Parameter	Value
C4	06 Feb 2017	Low Tide Time	1221
C4	06 Feb 2017	Comments	Kelp; Lobster floats
C4	14 Feb 2017	Depth (m)	11
C4	14 Feb 2017	Arrive Time	902
C4	14 Feb 2017	Depart Time	908
C4	14 Feb 2017	Air Temp (C)	14
C4	14 Feb 2017	Weather	Partly Cloudy
C4	14 Feb 2017	Visibility (mi)	5
C4	14 Feb 2017	Wind Speed (kts)	6
C4	14 Feb 2017	Wind Dir	NW
C4	14 Feb 2017	Water Color	Greenish-Brown
C4	14 Feb 2017	Wave Ht Low (ft)	3
C4	14 Feb 2017	Wave Period (sec)	11
C4	14 Feb 2017	Sea State	Confused swell
C4	14 Feb 2017	High Tide (ft)	4.5
C4	14 Feb 2017	High Tide Time	1049
C4	14 Feb 2017	Low Tide (ft)	1.1
C4	14 Feb 2017	Low Tide Time	500
C4	14 Feb 2017	Comments	Lobster floats
C4	24 Feb 2017	Depth (m)	12
C4	24 Feb 2017	Arrive Time	937
C4	24 Feb 2017	Depart Time	945
C4	24 Feb 2017	Air Temp (C)	12
C4	24 Feb 2017	Weather	Clear
C4	24 Feb 2017	Visibility (mi)	10
C4	24 Feb 2017	Wind Speed (kts)	8
C4	24 Feb 2017	Wind Dir	NE
C4	24 Feb 2017	Water Color	Green
C4	24 Feb 2017	Wave Ht Low (ft)	5
C4	24 Feb 2017	Wave Period (sec)	9
C4	24 Feb 2017	Sea State	Light chop
C4	24 Feb 2017	High Tide (ft)	5.5
C4	24 Feb 2017	High Tide Time	719
C4	24 Feb 2017	Low Tide (ft)	-0.8
C4	24 Feb 2017	Low Tide Time	1415
C4	24 Feb 2017	Comments	Water is milky green; Kelp
C5	04 Feb 2017	Depth (m)	9
C5	04 Feb 2017	Arrive Time	901
C5	04 Feb 2017	Depart Time	905
C5	04 Feb 2017	Air Temp (C)	15
C5	04 Feb 2017	Weather	Overcast
C5	04 Feb 2017	Visibility (mi)	7
C5	04 Feb 2017	Wind Speed (kts)	5
C5	04 Feb 2017	Wind Dir	S
C5	04 Feb 2017	Water Color	Brownish-Green
C5	04 Feb 2017	Wave Ht Low (ft)	7
C5	04 Feb 2017	Wave Period (sec)	13
C5	04 Feb 2017	Sea State	Calm
C5	04 Feb 2017	High Tide (ft)	2.9
C5	04 Feb 2017	High Tide Time	1559
C5	04 Feb 2017	Low Tide (ft)	0.9
C5	04 Feb 2017	Low Tide Time	1002

Station	Date	Parameter	Value
C5	04 Feb 2017	Comments	Kelp; Seagrass
C5	06 Feb 2017	Depth (m)	9
C5	06 Feb 2017	Arrive Time	1110
C5	06 Feb 2017	Depart Time	1117
C5	06 Feb 2017	Air Temp (C)	14
C5	06 Feb 2017	Weather	Overcast
C5	06 Feb 2017	Visibility (mi)	10
C5	06 Feb 2017	Wind Speed (kts)	15
C5	06 Feb 2017	Wind Dir	SE
C5	06 Feb 2017	Water Color	Greenish-Blue
C5	06 Feb 2017	Wave Ht Low (ft)	3
C5	06 Feb 2017	Wave Period (sec)	11
C5	06 Feb 2017	Sea State	Heavy chop
C5	06 Feb 2017	High Tide (ft)	5.4
C5	06 Feb 2017	High Tide Time	455
C5	06 Feb 2017	Low Tide (ft)	-0.4
C5	06 Feb 2017	Low Tide Time	1221
C5	06 Feb 2017	Comments	Seagrass; Kelp
C5	14 Feb 2017	Depth (m)	10
C5	14 Feb 2017	Arrive Time	850
C5	14 Feb 2017	Depart Time	853
C5	14 Feb 2017	Air Temp (C)	14
C5	14 Feb 2017	Weather	Partly Cloudy
C5	14 Feb 2017	Visibility (mi)	5
C5	14 Feb 2017	Wind Speed (kts)	1
C5	14 Feb 2017	Wind Dir	S
C5	14 Feb 2017	Water Color	Greenish-Brown
C5	14 Feb 2017	Wave Ht Low (ft)	3
C5	14 Feb 2017	Wave Period (sec)	11
C5	14 Feb 2017	Sea State	Confused swell
C5	14 Feb 2017	High Tide (ft)	4.5
C5	14 Feb 2017	High Tide Time	1049
C5	14 Feb 2017	Low Tide (ft)	1.1
C5	14 Feb 2017	Low Tide Time	500
C5	14 Feb 2017	Comments	
C5	24 Feb 2017	Depth (m)	11
C5	24 Feb 2017	Arrive Time	924
C5	24 Feb 2017	Depart Time	928
C5	24 Feb 2017	Air Temp (C)	12
C5	24 Feb 2017	Weather	Clear
C5	24 Feb 2017	Visibility (mi)	10
C5	24 Feb 2017	Wind Speed (kts)	5
C5	24 Feb 2017	Wind Dir	S
C5	24 Feb 2017	Water Color	Green
C5	24 Feb 2017	Wave Ht Low (ft)	5
C5	24 Feb 2017	Wave Period (sec)	9
C5	24 Feb 2017	Sea State	Light chop
C5	24 Feb 2017	High Tide (ft)	5.5
C5	24 Feb 2017	High Tide Time	719
C5	24 Feb 2017	Low Tide (ft)	-0.8
C5	24 Feb 2017	Low Tide Time	1415
C5	24 Feb 2017	Comments	Kelp; Water is milky green; Seagrass

Station	Date	Parameter	Value
A6	04 Feb 2017	Depth (m)	19
A6	04 Feb 2017	Arrive Time	811
A6	04 Feb 2017	Depart Time	814
A6	04 Feb 2017	Air Temp (C)	14
A6	04 Feb 2017	Weather	Partly Cloudy
A6	04 Feb 2017	Visibility (mi)	8
A6	04 Feb 2017	Wind Speed (kts)	3
A6	04 Feb 2017	Wind Dir	E
A6	04 Feb 2017	Water Color	Green
A6	04 Feb 2017	Wave Ht Low (ft)	7
A6	04 Feb 2017	Wave Period (sec)	13
A6	04 Feb 2017	Sea State	Calm
A6	04 Feb 2017	High Tide (ft)	2.9
A6	04 Feb 2017	High Tide Time	1559
A6	04 Feb 2017	Low Tide (ft)	0.9
A6	04 Feb 2017	Low Tide Time	1002
A6	04 Feb 2017	Comments	Kelp; Seagrass
A6	06 Feb 2017	Depth (m)	19
A6	06 Feb 2017	Arrive Time	857
A6	06 Feb 2017	Depart Time	901
A6	06 Feb 2017	Air Temp (C)	14
A6	06 Feb 2017	Weather	Overcast
A6	06 Feb 2017	Visibility (mi)	10
A6	06 Feb 2017	Wind Speed (kts)	14
A6	06 Feb 2017	Wind Dir	SE
A6	06 Feb 2017	Water Color	Greenish-Blue
A6	06 Feb 2017	Wave Ht Low (ft)	3
A6	06 Feb 2017	Wave Period (sec)	11
A6	06 Feb 2017	Sea State	Heavy chop
A6	06 Feb 2017	High Tide (ft)	5.4
A6	06 Feb 2017	High Tide Time	455
A6	06 Feb 2017	Low Tide (ft)	-0.4
A6	06 Feb 2017	Low Tide Time	1221
A6	06 Feb 2017	Comments	Kelp debris
A6	14 Feb 2017	Depth (m)	20
A6	14 Feb 2017	Arrive Time	758
A6	14 Feb 2017	Depart Time	803
A6	14 Feb 2017	Air Temp (C)	14
A6	14 Feb 2017	Weather	Partly Cloudy
A6	14 Feb 2017	Visibility (mi)	4
A6	14 Feb 2017	Wind Speed (kts)	4
A6	14 Feb 2017	Wind Dir	SE
A6	14 Feb 2017	Water Color	Brownish-Green
A6	14 Feb 2017	Wave Ht Low (ft)	3
A6	14 Feb 2017	Wave Period (sec)	11
A6	14 Feb 2017	Sea State	Confused swell
A6	14 Feb 2017	High Tide (ft)	4.5
A6	14 Feb 2017	High Tide Time	1049
A6	14 Feb 2017	Low Tide (ft)	1.1
A6	14 Feb 2017	Low Tide Time	500
A6	14 Feb 2017	Comments	Lobster floats

Station	Date	Parameter	Value
A6	24 Feb 2017	Depth (m)	19
A6	24 Feb 2017	Arrive Time	821
A6	24 Feb 2017	Depart Time	826
A6	24 Feb 2017	Air Temp (C)	11
A6	24 Feb 2017	Weather	Clear
A6	24 Feb 2017	Visibility (mi)	10
A6	24 Feb 2017	Wind Speed (kts)	6
A6	24 Feb 2017	Wind Dir	N
A6	24 Feb 2017	Water Color	Green
A6	24 Feb 2017	Wave Ht Low (ft)	5
A6	24 Feb 2017	Wave Period (sec)	9
A6	24 Feb 2017	Sea State	Light chop
A6	24 Feb 2017	High Tide (ft)	5.5
A6	24 Feb 2017	High Tide Time	719
A6	24 Feb 2017	Low Tide (ft)	-0.8
A6	24 Feb 2017	Low Tide Time	1415
A6	24 Feb 2017	Comments	Lobster floats
C6	04 Feb 2017	Depth (m)	10
C6	04 Feb 2017	Arrive Time	851
C6	04 Feb 2017	Depart Time	854
C6	04 Feb 2017	Air Temp (C)	14
C6	04 Feb 2017	Weather	Partly Cloudy
C6	04 Feb 2017	Visibility (mi)	8
C6	04 Feb 2017	Wind Speed (kts)	2
C6	04 Feb 2017	Wind Dir	E
C6	04 Feb 2017	Water Color	Green
C6	04 Feb 2017	Wave Ht Low (ft)	7
C6	04 Feb 2017	Wave Period (sec)	13
C6	04 Feb 2017	Sea State	Calm
C6	04 Feb 2017	High Tide (ft)	2.9
C6	04 Feb 2017	High Tide Time	1559
C6	04 Feb 2017	Low Tide (ft)	0.9
C6	04 Feb 2017	Low Tide Time	1002
C6	04 Feb 2017	Comments	Kelp; Lobster floats
C6	06 Feb 2017	Depth (m)	8
C6	06 Feb 2017	Arrive Time	1047
C6	06 Feb 2017	Depart Time	1059
C6	06 Feb 2017	Air Temp (C)	14
C6	06 Feb 2017	Weather	Overcast
C6	06 Feb 2017	Visibility (mi)	10
C6	06 Feb 2017	Wind Speed (kts)	12
C6	06 Feb 2017	Wind Dir	S
C6	06 Feb 2017	Water Color	Greenish-Blue
C6	06 Feb 2017	Wave Ht Low (ft)	3
C6	06 Feb 2017	Wave Period (sec)	11
C6	06 Feb 2017	Sea State	Heavy chop
C6	06 Feb 2017	High Tide (ft)	5.4
C6	06 Feb 2017	High Tide Time	455
C6	06 Feb 2017	Low Tide (ft)	-0.4
C6	06 Feb 2017	Low Tide Time	1221
C6	06 Feb 2017	Comments	Seagrass
C6	14 Feb 2017	Depth (m)	9

Station	Date	Parameter	Value
C6	14 Feb 2017	Arrive Time	840
C6	14 Feb 2017	Depart Time	843
C6	14 Feb 2017	Air Temp (C)	14
C6	14 Feb 2017	Weather	Partly Cloudy
C6	14 Feb 2017	Visibility (mi)	5
C6	14 Feb 2017	Wind Speed (kts)	6
C6	14 Feb 2017	Wind Dir	NE
C6	14 Feb 2017	Water Color	Greenish-Brown
C6	14 Feb 2017	Wave Ht Low (ft)	3
C6	14 Feb 2017	Wave Period (sec)	11
C6	14 Feb 2017	Sea State	Confused swell
C6	14 Feb 2017	High Tide (ft)	4.5
C6	14 Feb 2017	High Tide Time	1049
C6	14 Feb 2017	Low Tide (ft)	1.1
C6	14 Feb 2017	Low Tide Time	500
C6	14 Feb 2017	Comments	Kelp
C6	24 Feb 2017	Depth (m)	10
C6	24 Feb 2017	Arrive Time	911
C6	24 Feb 2017	Depart Time	915
C6	24 Feb 2017	Air Temp (C)	12
C6	24 Feb 2017	Weather	Clear
C6	24 Feb 2017	Visibility (mi)	10
C6	24 Feb 2017	Wind Speed (kts)	8
C6	24 Feb 2017	Wind Dir	E
C6	24 Feb 2017	Water Color	Green
C6	24 Feb 2017	Wave Ht Low (ft)	5
C6	24 Feb 2017	Wave Period (sec)	9
C6	24 Feb 2017	Sea State	Light chop
C6	24 Feb 2017	High Tide (ft)	5.5
C6	24 Feb 2017	High Tide Time	719
C6	24 Feb 2017	Low Tide (ft)	-0.8
C6	24 Feb 2017	Low Tide Time	1415
C6	24 Feb 2017	Comments	Kelp; Water is milky green; Seagrass
A7	04 Feb 2017	Depth (m)	18
A7	04 Feb 2017	Arrive Time	759
A7	04 Feb 2017	Depart Time	802
A7	04 Feb 2017	Air Temp (C)	14
A7	04 Feb 2017	Weather	Partly Cloudy
A7	04 Feb 2017	Visibility (mi)	8
A7	04 Feb 2017	Wind Speed (kts)	5
A7	04 Feb 2017	Wind Dir	E
A7	04 Feb 2017	Water Color	Green
A7	04 Feb 2017	Wave Ht Low (ft)	7
A7	04 Feb 2017	Wave Period (sec)	13
A7	04 Feb 2017	Sea State	Calm
A7	04 Feb 2017	High Tide (ft)	2.9
A7	04 Feb 2017	High Tide Time	1559
A7	04 Feb 2017	Low Tide (ft)	0.9
A7	04 Feb 2017	Low Tide Time	1002
A7	04 Feb 2017	Comments	Kelp; Lobster floats
A7	06 Feb 2017	Depth (m)	18
A7	06 Feb 2017	Arrive Time	840

Station	Date	Parameter	Value
A7	06 Feb 2017	Depart Time	845
A7	06 Feb 2017	Air Temp (C)	14
A7	06 Feb 2017	Weather	Overcast
A7	06 Feb 2017	Visibility (mi)	10
A7	06 Feb 2017	Wind Speed (kts)	11
A7	06 Feb 2017	Wind Dir	S
A7	06 Feb 2017	Water Color	Greenish-Blue
A7	06 Feb 2017	Wave Ht Low (ft)	3
A7	06 Feb 2017	Wave Period (sec)	11
A7	06 Feb 2017	Sea State	Heavy chop
A7	06 Feb 2017	High Tide (ft)	5.4
A7	06 Feb 2017	High Tide Time	455
A7	06 Feb 2017	Low Tide (ft)	-0.4
A7	06 Feb 2017	Low Tide Time	1221
A7	06 Feb 2017	Comments	Kelp debris
A7	14 Feb 2017	Depth (m)	19
A7	14 Feb 2017	Arrive Time	745
A7	14 Feb 2017	Depart Time	755
A7	14 Feb 2017	Air Temp (C)	14
A7	14 Feb 2017	Weather	Partly Cloudy
A7	14 Feb 2017	Visibility (mi)	3
A7	14 Feb 2017	Wind Speed (kts)	6
A7	14 Feb 2017	Wind Dir	SW
A7	14 Feb 2017	Water Color	Brownish-Green
A7	14 Feb 2017	Wave Ht Low (ft)	3
A7	14 Feb 2017	Wave Period (sec)	11
A7	14 Feb 2017	Sea State	Confused swell
A7	14 Feb 2017	High Tide (ft)	4.5
A7	14 Feb 2017	High Tide Time	1049
A7	14 Feb 2017	Low Tide (ft)	1.1
A7	14 Feb 2017	Low Tide Time	500
A7	14 Feb 2017	Comments	Kelp
A7	24 Feb 2017	Depth (m)	19
A7	24 Feb 2017	Arrive Time	808
A7	24 Feb 2017	Depart Time	813
A7	24 Feb 2017	Air Temp (C)	10
A7	24 Feb 2017	Weather	Partly Cloudy
A7	24 Feb 2017	Visibility (mi)	10
A7	24 Feb 2017	Wind Speed (kts)	10
A7	24 Feb 2017	Wind Dir	NE
A7	24 Feb 2017	Water Color	Green
A7	24 Feb 2017	Wave Ht Low (ft)	4
A7	24 Feb 2017	Wave Period (sec)	11
A7	24 Feb 2017	Sea State	Light chop
A7	24 Feb 2017	High Tide (ft)	5.5
A7	24 Feb 2017	High Tide Time	719
A7	24 Feb 2017	Low Tide (ft)	-0.8
A7	24 Feb 2017	Low Tide Time	1415
A7	24 Feb 2017	Comments	Kelp; Lobster floats
C7	04 Feb 2017	Depth (m)	19
C7	04 Feb 2017	Arrive Time	825
C7	04 Feb 2017	Depart Time	827

Station	Date	Parameter	Value
C7	04 Feb 2017	Air Temp (C)	14
C7	04 Feb 2017	Weather	Partly Cloudy
C7	04 Feb 2017	Visibility (mi)	8
C7	04 Feb 2017	Wind Speed (kts)	3
C7	04 Feb 2017	Wind Dir	E
C7	04 Feb 2017	Water Color	Green
C7	04 Feb 2017	Wave Ht Low (ft)	7
C7	04 Feb 2017	Wave Period (sec)	13
C7	04 Feb 2017	Sea State	Calm
C7	04 Feb 2017	High Tide (ft)	2.9
C7	04 Feb 2017	High Tide Time	1559
C7	04 Feb 2017	Low Tide (ft)	0.9
C7	04 Feb 2017	Low Tide Time	1002
C7	04 Feb 2017	Comments	Kelp; Lobster floats
C7	06 Feb 2017	Depth (m)	17
C7	06 Feb 2017	Arrive Time	912
C7	06 Feb 2017	Depart Time	917
C7	06 Feb 2017	Air Temp (C)	14
C7	06 Feb 2017	Weather	Overcast
C7	06 Feb 2017	Visibility (mi)	10
C7	06 Feb 2017	Wind Speed (kts)	14
C7	06 Feb 2017	Wind Dir	NE
C7	06 Feb 2017	Water Color	Greenish-Blue
C7	06 Feb 2017	Wave Ht Low (ft)	3
C7	06 Feb 2017	Wave Period (sec)	11
C7	06 Feb 2017	Sea State	Heavy chop
C7	06 Feb 2017	High Tide (ft)	5.4
C7	06 Feb 2017	High Tide Time	455
C7	06 Feb 2017	Low Tide (ft)	-0.4
C7	06 Feb 2017	Low Tide Time	1221
C7	06 Feb 2017	Comments	Lobster floats; Kelp
C7	14 Feb 2017	Depth (m)	18
C7	14 Feb 2017	Arrive Time	811
C7	14 Feb 2017	Depart Time	815
C7	14 Feb 2017	Air Temp (C)	14
C7	14 Feb 2017	Weather	Partly Cloudy
C7	14 Feb 2017	Visibility (mi)	4
C7	14 Feb 2017	Wind Speed (kts)	4
C7	14 Feb 2017	Wind Dir	SE
C7	14 Feb 2017	Water Color	Brownish-Green
C7	14 Feb 2017	Wave Ht Low (ft)	3
C7	14 Feb 2017	Wave Period (sec)	11
C7	14 Feb 2017	Sea State	Confused swell
C7	14 Feb 2017	High Tide (ft)	4.5
C7	14 Feb 2017	High Tide Time	1049
C7	14 Feb 2017	Low Tide (ft)	1.1
C7	14 Feb 2017	Low Tide Time	500
C7	14 Feb 2017	Comments	Kelp; Lobster floats
C7	24 Feb 2017	Depth (m)	19
C7	24 Feb 2017	Arrive Time	837
C7	24 Feb 2017	Depart Time	841
C7	24 Feb 2017	Air Temp (C)	11

Station	Date	Parameter	Value
C7	24 Feb 2017	Weather	Clear
C7	24 Feb 2017	Visibility (mi)	10
C7	24 Feb 2017	Wind Speed (kts)	8
C7	24 Feb 2017	Wind Dir	S
C7	24 Feb 2017	Water Color	Green
C7	24 Feb 2017	Wave Ht Low (ft)	5
C7	24 Feb 2017	Wave Period (sec)	9
C7	24 Feb 2017	Sea State	Light chop
C7	24 Feb 2017	High Tide (ft)	5.5
C7	24 Feb 2017	High Tide Time	719
C7	24 Feb 2017	Low Tide (ft)	-0.8
C7	24 Feb 2017	Low Tide Time	1415
C7	24 Feb 2017	Comments	Kelp debris
C8	04 Feb 2017	Depth (m)	18
C8	04 Feb 2017	Arrive Time	834
C8	04 Feb 2017	Depart Time	838
C8	04 Feb 2017	Air Temp (C)	14
C8	04 Feb 2017	Weather	Partly Cloudy
C8	04 Feb 2017	Visibility (mi)	8
C8	04 Feb 2017	Wind Speed (kts)	1
C8	04 Feb 2017	Wind Dir	N
C8	04 Feb 2017	Water Color	Green
C8	04 Feb 2017	Wave Ht Low (ft)	7
C8	04 Feb 2017	Wave Period (sec)	13
C8	04 Feb 2017	Sea State	Calm
C8	04 Feb 2017	High Tide (ft)	2.9
C8	04 Feb 2017	High Tide Time	1559
C8	04 Feb 2017	Low Tide (ft)	0.9
C8	04 Feb 2017	Low Tide Time	1002
C8	04 Feb 2017	Comments	Kelp; Lobster floats
C8	06 Feb 2017	Depth (m)	18
C8	06 Feb 2017	Arrive Time	925
C8	06 Feb 2017	Depart Time	933
C8	06 Feb 2017	Air Temp (C)	14
C8	06 Feb 2017	Weather	Overcast
C8	06 Feb 2017	Visibility (mi)	10
C8	06 Feb 2017	Wind Speed (kts)	11
C8	06 Feb 2017	Wind Dir	SW
C8	06 Feb 2017	Water Color	Greenish-Blue
C8	06 Feb 2017	Wave Ht Low (ft)	3
C8	06 Feb 2017	Wave Period (sec)	11
C8	06 Feb 2017	Sea State	Heavy chop
C8	06 Feb 2017	High Tide (ft)	5.4
C8	06 Feb 2017	High Tide Time	455
C8	06 Feb 2017	Low Tide (ft)	-0.4
C8	06 Feb 2017	Low Tide Time	1221
C8	06 Feb 2017	Comments	Lobster floats
C8	14 Feb 2017	Depth (m)	19
C8	14 Feb 2017	Arrive Time	822
C8	14 Feb 2017	Depart Time	825
C8	14 Feb 2017	Air Temp (C)	14
C8	14 Feb 2017	Weather	Partly Cloudy

Station	Date	Parameter	Value
C8	14 Feb 2017	Visibility (mi)	5
C8	14 Feb 2017	Wind Speed (kts)	4
C8	14 Feb 2017	Wind Dir	SW
C8	14 Feb 2017	Water Color	Bluish-Green
C8	14 Feb 2017	Wave Ht Low (ft)	3
C8	14 Feb 2017	Wave Period (sec)	11
C8	14 Feb 2017	Sea State	Confused swell
C8	14 Feb 2017	High Tide (ft)	4.5
C8	14 Feb 2017	High Tide Time	1049
C8	14 Feb 2017	Low Tide (ft)	1.1
C8	14 Feb 2017	Low Tide Time	500
C8	14 Feb 2017	Comments	Kelp
C8	24 Feb 2017	Depth (m)	21
C8	24 Feb 2017	Arrive Time	849
C8	24 Feb 2017	Depart Time	853
C8	24 Feb 2017	Air Temp (C)	12
C8	24 Feb 2017	Weather	Clear
C8	24 Feb 2017	Visibility (mi)	10
C8	24 Feb 2017	Wind Speed (kts)	10
C8	24 Feb 2017	Wind Dir	NE
C8	24 Feb 2017	Water Color	Green
C8	24 Feb 2017	Wave Ht Low (ft)	5
C8	24 Feb 2017	Wave Period (sec)	9
C8	24 Feb 2017	Sea State	Light chop
C8	24 Feb 2017	High Tide (ft)	5.5
C8	24 Feb 2017	High Tide Time	719
C8	24 Feb 2017	Low Tide (ft)	-0.8
C8	24 Feb 2017	Low Tide Time	1415
C8	24 Feb 2017	Comments	Seagrass

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	04 Feb 2017	1	14.44	73.42	8.7	33.19	8.2	24.7	4.50
A1	04 Feb 2017	2	14.44	73.41	8.7	33.19	8.2	24.7	4.85
A1	04 Feb 2017	3	14.44	72.94	8.7	33.19	8.2	24.7	4.67
A1	04 Feb 2017	4	14.45	73.29	8.7	33.19	8.2	24.7	4.17
A1	04 Feb 2017	5	14.48	73.77	8.6	33.20	8.2	24.7	4.09
A1	04 Feb 2017	6	14.51	75.25	8.7	33.21	8.2	24.7	3.81
A1	04 Feb 2017	7	14.48	76.35	8.7	33.20	8.2	24.7	3.38
A1	04 Feb 2017	8	14.54	76.28	8.7	33.22	8.2	24.7	3.06
A1	04 Feb 2017	9	14.57	77.23	8.6	33.23	8.2	24.7	2.75
A1	04 Feb 2017	10	14.60	78.50	8.5	33.24	8.2	24.7	2.62
A1	04 Feb 2017	11	14.62	79.33	8.2	33.25	8.2	24.7	2.32
A1	04 Feb 2017	12	14.67	80.05	7.8	33.27	8.2	24.7	2.10
A1	04 Feb 2017	13	14.70	81.33	7.5	33.31	8.2	24.7	2.04
A1	04 Feb 2017	14	14.58	82.67	7.6	33.32	8.1	24.8	1.88
A1	04 Feb 2017	15	14.54	81.80	7.6	33.32	8.1	24.8	1.93
A1	04 Feb 2017	16	14.53	81.41	7.6	33.31	8.1	24.8	2.08
A1	04 Feb 2017	17	14.52	80.76	7.7	33.31	8.1	24.8	2.13
A1	04 Feb 2017	18	14.51	80.17	7.7	33.31	8.1	24.8	1.97
A1	06 Feb 2017	1	14.78	87.52	8.0	33.33	8.1	24.7	1.28
A1	06 Feb 2017	2	14.78	87.61	7.9	33.33	8.1	24.7	1.24
A1	06 Feb 2017	3	14.78	88.14	7.9	33.33	8.1	24.7	1.25
A1	06 Feb 2017	4	14.78	87.58	7.9	33.33	8.1	24.7	1.27
A1	06 Feb 2017	5	14.78	88.15	7.9	33.33	8.1	24.7	1.28
A1	06 Feb 2017	6	14.78	88.00	7.9	33.33	8.1	24.7	1.30
A1	06 Feb 2017	7	14.78	88.01	8.0	33.33	8.1	24.7	1.33
A1	06 Feb 2017	8	14.78	88.15	7.9	33.33	8.1	24.7	1.31
A1	06 Feb 2017	9	14.77	88.13	7.9	33.33	8.1	24.7	1.33
A1	06 Feb 2017	10	14.77	88.02	7.9	33.33	8.1	24.7	1.31
A1	06 Feb 2017	11	14.76	88.06	7.8	33.33	8.1	24.7	1.32
A1	06 Feb 2017	12	14.76	87.88	7.8	33.33	8.1	24.7	1.37
A1	06 Feb 2017	13	14.74	88.25	7.8	33.33	8.2	24.7	1.32
A1	06 Feb 2017	14	14.73	88.38	7.7	33.33	8.1	24.7	1.28
A1	06 Feb 2017	15	14.69	88.42	7.6	33.33	8.1	24.8	1.28
A1	06 Feb 2017	16	14.66	88.39	7.4	33.33	8.1	24.8	1.20
A1	06 Feb 2017	17	14.65	88.42	7.1	33.33	8.1	24.8	1.07
A1	06 Feb 2017	18	14.49	88.29	7.1	33.34	8.1	24.8	1.11
A1	06 Feb 2017	19	14.20	87.20	7.4	33.33	8.1	24.9	1.10
A1	06 Feb 2017	20	14.44	86.65	7.4	33.31	8.1	24.8	1.08
A1	14 Feb 2017	1	14.90	82.37	8.1	33.30	8.1	24.7	1.70
A1	14 Feb 2017	2	14.90	84.75	8.1	33.30	8.1	24.7	1.75
A1	14 Feb 2017	3	14.90	86.90	8.0	33.30	8.1	24.7	1.90
A1	14 Feb 2017	4	14.90	87.31	8.1	33.30	8.1	24.7	2.06
A1	14 Feb 2017	5	14.89	87.29	8.0	33.30	8.1	24.7	2.22
A1	14 Feb 2017	6	14.89	87.33	8.0	33.30	8.1	24.7	2.31
A1	14 Feb 2017	7	14.86	87.48	8.0	33.30	8.1	24.7	2.39
A1	14 Feb 2017	8	14.85	87.25	7.9	33.30	8.1	24.7	2.59
A1	14 Feb 2017	9	14.84	86.91	7.7	33.30	8.1	24.7	2.72
A1	14 Feb 2017	10	14.80	86.82	7.5	33.30	8.1	24.7	2.74
A1	14 Feb 2017	11	14.61	86.52	7.2	33.32	8.1	24.8	2.62

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	14 Feb 2017	12	14.49	86.37	6.9	33.32	8.1	24.8	2.29
A1	14 Feb 2017	13	14.38	86.42	6.5	33.32	8.1	24.8	1.80
A1	14 Feb 2017	14	13.95	86.49	6.3	33.34	8.1	24.9	1.47
A1	14 Feb 2017	15	13.74	87.02	6.3	33.34	8.0	25.0	1.24
A1	14 Feb 2017	16	13.63	88.27	6.4	33.34	8.0	25.0	1.14
A1	14 Feb 2017	17	13.59	89.16	6.4	33.33	8.0	25.0	1.00
A1	14 Feb 2017	18	13.56	89.31	6.5	33.33	8.0	25.0	0.98
A1	24 Feb 2017	1	14.36	82.58	7.6	33.25	8.0	24.8	1.06
A1	24 Feb 2017	2	14.36	82.79	7.6	33.25	8.0	24.8	1.19
A1	24 Feb 2017	3	14.36	82.55	7.6	33.24	8.0	24.8	1.33
A1	24 Feb 2017	4	14.36	82.73	7.6	33.24	8.0	24.8	1.42
A1	24 Feb 2017	5	14.36	83.05	7.6	33.25	8.0	24.8	1.45
A1	24 Feb 2017	6	14.36	82.55	7.6	33.24	8.0	24.8	1.49
A1	24 Feb 2017	7	14.35	82.52	7.6	33.24	8.0	24.8	1.47
A1	24 Feb 2017	8	14.34	82.38	7.5	33.25	8.0	24.8	1.52
A1	24 Feb 2017	9	14.35	81.98	7.5	33.24	8.0	24.8	1.49
A1	24 Feb 2017	10	14.31	81.56	7.5	33.25	8.0	24.8	1.48
A1	24 Feb 2017	11	14.30	81.62	7.5	33.25	8.0	24.8	1.46
A1	24 Feb 2017	12	14.31	81.79	7.3	33.24	8.0	24.8	1.37
A1	24 Feb 2017	13	14.24	81.59	7.1	33.25	8.0	24.8	1.34
A1	24 Feb 2017	14	14.08	80.39	7.0	33.27	8.0	24.8	1.36
A1	24 Feb 2017	15	14.05	79.70	6.7	33.27	8.0	24.8	1.22
A1	24 Feb 2017	16	14.01	80.90	6.0	33.28	8.0	24.9	1.10
A1	24 Feb 2017	17	13.64	81.04	5.3	33.34	8.0	25.0	0.97
A1	24 Feb 2017	18	13.35	81.36	4.7	33.35	8.0	25.0	0.85
A1	24 Feb 2017	19	12.43	68.66	4.6	33.46	7.9	25.3	0.80
A1	24 Feb 2017	20	12.24	51.48	5.3	33.44	7.8	25.3	0.83
C4	04 Feb 2017	1	14.52	41.60	8.1	33.21	8.1	24.7	1.96
C4	04 Feb 2017	2	14.51	41.09	8.2	33.21	8.1	24.7	2.13
C4	04 Feb 2017	3	14.50	39.26	8.1	33.21	8.1	24.7	2.27
C4	04 Feb 2017	4	14.47	37.26	8.0	33.21	8.1	24.7	2.28
C4	04 Feb 2017	5	14.46	36.65	8.0	33.21	8.1	24.7	2.30
C4	04 Feb 2017	6	14.46	36.11	7.9	33.20	8.1	24.7	2.28
C4	04 Feb 2017	7	14.45	33.36	7.9	33.20	8.1	24.7	2.27
C4	04 Feb 2017	8	14.45	31.72	7.9	33.20	8.1	24.7	2.35
C4	04 Feb 2017	9	14.44	31.95	7.8	33.20	8.1	24.7	2.39
C4	04 Feb 2017	10	14.43	30.11	7.7	33.20	8.1	24.7	2.51
C4	04 Feb 2017	11	14.42	23.23	7.7	33.20	8.1	24.7	2.51
C4	06 Feb 2017	1	14.69	78.00	7.9	33.20	8.1	24.7	1.46
C4	06 Feb 2017	2	14.68	78.96	7.8	33.20	8.1	24.7	1.45
C4	06 Feb 2017	3	14.66	79.13	7.7	33.21	8.1	24.7	1.30
C4	06 Feb 2017	4	14.66	79.24	7.4	33.21	8.1	24.7	0.96
C4	06 Feb 2017	5	14.64	79.04	6.9	33.23	8.1	24.7	0.72
C4	06 Feb 2017	6	14.59	78.72	6.7	33.27	8.1	24.7	0.64
C4	06 Feb 2017	7	14.57	78.24	6.7	33.28	8.1	24.7	0.61
C4	06 Feb 2017	8	14.56	77.89	6.7	33.29	8.1	24.7	0.58
C4	06 Feb 2017	9	14.54	76.58	6.8	33.31	8.1	24.8	0.56
C4	14 Feb 2017	1	14.76	84.42	8.1	33.28	8.2	24.7	1.27
C4	14 Feb 2017	2	14.76	84.69	8.1	33.28	8.2	24.7	1.61
C4	14 Feb 2017	3	14.74	84.95	8.0	33.28	8.2	24.7	1.89
C4	14 Feb 2017	4	14.69	84.71	7.7	33.28	8.2	24.7	1.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C4	14 Feb 2017	5	14.63	84.60	7.4	33.28	8.1	24.7	1.44
C4	14 Feb 2017	6	14.48	84.70	7.0	33.29	8.1	24.8	1.09
C4	14 Feb 2017	7	14.32	85.54	6.7	33.29	8.1	24.8	0.85
C4	14 Feb 2017	8	14.01	86.52	6.6	33.31	8.1	24.9	0.72
C4	14 Feb 2017	9	13.89	86.28	6.5	33.31	8.1	24.9	0.64
C4	14 Feb 2017	10	13.71	84.25	6.7	33.32	8.1	24.9	0.61
C4	24 Feb 2017	1	14.16	71.03	7.4	33.22	8.0	24.8	0.61
C4	24 Feb 2017	2	14.15	70.60	7.4	33.22	8.0	24.8	0.77
C4	24 Feb 2017	3	14.13	70.82	7.4	33.23	8.0	24.8	0.83
C4	24 Feb 2017	4	14.12	69.77	7.5	33.23	8.0	24.8	0.99
C4	24 Feb 2017	5	14.12	67.82	7.5	33.24	8.0	24.8	0.97
C4	24 Feb 2017	6	14.13	66.42	7.5	33.26	8.0	24.8	0.97
C4	24 Feb 2017	7	14.12	64.77	7.4	33.26	8.0	24.8	0.95
C4	24 Feb 2017	8	14.12	64.62	7.0	33.26	8.0	24.8	0.84
C4	24 Feb 2017	9	14.04	63.65	6.3	33.28	8.0	24.8	0.74
C4	24 Feb 2017	10	13.91	63.63	5.7	33.30	8.0	24.9	0.70
C4	24 Feb 2017	11	13.63	61.59	5.7	33.33	8.0	25.0	0.71
C4	24 Feb 2017	12	13.60	48.91	6.0	33.32	7.9	25.0	0.70
C5	04 Feb 2017	1	14.76	33.13	7.1	33.22	8.1	24.7	1.63
C5	04 Feb 2017	2	14.73	33.13	7.5	33.24	8.1	24.7	1.71
C5	04 Feb 2017	3	14.70	31.56	7.8	33.26	8.1	24.7	1.73
C5	04 Feb 2017	4	14.67	29.32	7.7	33.25	8.1	24.7	1.76
C5	04 Feb 2017	5	14.65	25.51	7.5	33.25	8.1	24.7	1.86
C5	04 Feb 2017	6	14.64	24.25	7.4	33.24	8.1	24.7	1.89
C5	04 Feb 2017	7	14.62	21.94	7.3	33.24	8.1	24.7	0.94
C5	04 Feb 2017	8	14.61	20.08	7.0	33.24	8.1	24.7	1.93
C5	04 Feb 2017	9	14.54	12.21	6.9	33.24	8.0	24.7	2.55
C5	04 Feb 2017	10	14.53	5.26	7.1	33.23	8.0	24.7	2.77
C5	06 Feb 2017	1	14.70	71.98	7.7	33.27	8.1	24.7	1.08
C5	06 Feb 2017	2	14.69	72.11	7.7	33.27	8.1	24.7	1.17
C5	06 Feb 2017	3	14.69	71.95	7.6	33.27	8.1	24.7	1.20
C5	06 Feb 2017	4	14.69	72.20	7.6	33.27	8.1	24.7	1.22
C5	06 Feb 2017	5	14.69	71.77	7.6	33.27	8.1	24.7	1.23
C5	06 Feb 2017	6	14.68	72.15	7.5	33.27	8.1	24.7	1.14
C5	06 Feb 2017	7	14.68	71.42	7.3	33.27	8.1	24.7	1.04
C5	06 Feb 2017	8	14.66	70.94	6.9	33.27	8.1	24.7	1.02
C5	06 Feb 2017	9	14.64	69.79	6.4	33.27	8.1	24.7	1.07
C5	06 Feb 2017	10	14.52	49.07	6.4	33.30	8.1	24.8	1.11
C5	14 Feb 2017	1	14.79	81.23	8.2	33.29	8.2	24.7	1.31
C5	14 Feb 2017	2	14.79	81.75	8.2	33.29	8.2	24.7	1.42
C5	14 Feb 2017	3	14.77	81.84	8.1	33.29	8.2	24.7	1.57
C5	14 Feb 2017	4	14.76	81.95	8.1	33.29	8.2	24.7	1.69
C5	14 Feb 2017	5	14.74	81.90	8.1	33.29	8.1	24.7	1.71
C5	14 Feb 2017	6	14.74	81.83	8.1	33.29	8.1	24.7	1.72
C5	14 Feb 2017	7	14.72	82.18	8.0	33.29	8.1	24.7	1.62
C5	14 Feb 2017	8	14.70	77.23	7.6	33.29	8.1	24.7	1.34
C5	14 Feb 2017	9	14.64	71.23	7.4	33.29	8.1	24.7	1.27
C5	14 Feb 2017	10	14.47	77.98	7.4	33.30	8.1	24.8	1.24
C5	14 Feb 2017	11	14.48	81.97	7.5	33.30	8.1	24.8	1.25
C5	24 Feb 2017	1	14.07	55.18	7.4	33.26	8.0	24.8	0.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C5	24 Feb 2017	2	14.06	57.28	7.4	33.26	8.0	24.8	1.01
C5	24 Feb 2017	3	14.06	60.58	7.4	33.26	8.0	24.8	1.03
C5	24 Feb 2017	4	14.05	61.84	7.4	33.26	8.0	24.8	1.05
C5	24 Feb 2017	5	14.04	64.01	7.3	33.26	8.0	24.8	1.06
C5	24 Feb 2017	6	14.03	65.35	7.3	33.26	8.0	24.8	1.06
C5	24 Feb 2017	7	14.03	60.33	7.3	33.26	8.0	24.8	1.04
C5	24 Feb 2017	8	14.02	58.79	7.2	33.26	8.0	24.8	0.97
C5	24 Feb 2017	9	14.02	67.06	6.3	33.26	8.0	24.8	0.86
C5	24 Feb 2017	10	13.80	66.48	5.5	33.30	8.0	24.9	0.79
C5	24 Feb 2017	11	13.43	68.53	5.6	33.35	8.0	25.0	0.78
A6	04 Feb 2017	1	14.61	76.17	8.8	33.20	8.2	24.7	3.83
A6	04 Feb 2017	2	14.60	75.33	8.8	33.20	8.2	24.7	3.61
A6	04 Feb 2017	3	14.58	76.48	8.7	33.21	8.2	24.7	3.35
A6	04 Feb 2017	4	14.60	77.17	8.6	33.22	8.2	24.7	3.15
A6	04 Feb 2017	5	14.65	77.73	8.6	33.24	8.2	24.7	2.75
A6	04 Feb 2017	6	14.67	80.02	8.5	33.25	8.2	24.7	2.43
A6	04 Feb 2017	7	14.67	81.21	8.4	33.25	8.2	24.7	2.24
A6	04 Feb 2017	8	14.72	81.43	8.3	33.26	8.2	24.7	2.22
A6	04 Feb 2017	9	14.75	82.67	8.3	33.28	8.2	24.7	2.35
A6	04 Feb 2017	10	14.74	83.04	8.4	33.28	8.2	24.7	2.37
A6	04 Feb 2017	11	14.74	82.94	8.4	33.28	8.2	24.7	2.49
A6	04 Feb 2017	12	14.73	82.93	8.4	33.28	8.2	24.7	2.38
A6	04 Feb 2017	13	14.71	82.03	8.5	33.27	8.2	24.7	2.41
A6	04 Feb 2017	14	14.67	81.37	8.4	33.27	8.2	24.7	2.44
A6	04 Feb 2017	15	14.66	80.41	8.5	33.26	8.2	24.7	2.53
A6	04 Feb 2017	16	14.62	79.04	8.4	33.26	8.2	24.7	2.47
A6	04 Feb 2017	17	14.62	77.72	8.4	33.25	8.2	24.7	2.70
A6	04 Feb 2017	18	14.61	76.66	8.4	33.25	8.2	24.7	2.51
A6	04 Feb 2017	19	14.60	74.99	8.4	33.25	8.2	24.7	2.47
A6	06 Feb 2017	1	14.66	81.47	7.7	33.27	8.1	24.7	1.49
A6	06 Feb 2017	2	14.66	82.14	7.7	33.29	8.1	24.7	1.52
A6	06 Feb 2017	3	14.66	82.63	7.7	33.29	8.1	24.7	1.52
A6	06 Feb 2017	4	14.66	82.72	7.7	33.29	8.1	24.7	1.49
A6	06 Feb 2017	5	14.66	82.71	7.6	33.29	8.1	24.7	1.48
A6	06 Feb 2017	6	14.64	82.80	7.5	33.30	8.1	24.7	1.39
A6	06 Feb 2017	7	14.62	82.98	7.3	33.30	8.1	24.7	1.36
A6	06 Feb 2017	8	14.44	82.59	7.2	33.32	8.1	24.8	1.30
A6	06 Feb 2017	9	14.37	82.27	7.1	33.32	8.1	24.8	1.27
A6	06 Feb 2017	10	14.29	81.88	7.0	33.32	8.1	24.8	1.27
A6	06 Feb 2017	11	14.22	81.19	7.0	33.32	8.1	24.8	1.35
A6	06 Feb 2017	12	14.18	81.21	6.9	33.32	8.1	24.9	1.38
A6	06 Feb 2017	13	14.09	82.24	7.0	33.33	8.1	24.9	1.40
A6	06 Feb 2017	14	14.08	82.39	7.0	33.33	8.1	24.9	1.37
A6	06 Feb 2017	15	14.07	82.59	6.9	33.33	8.1	24.9	1.29
A6	06 Feb 2017	16	14.04	81.98	6.8	33.33	8.1	24.9	1.22
A6	06 Feb 2017	17	14.01	80.28	6.8	33.32	8.1	24.9	1.20
A6	06 Feb 2017	18	13.99	79.18	6.8	33.32	8.1	24.9	1.18
A6	14 Feb 2017	1	14.79	87.14	7.7	33.30	8.1	24.7	1.37
A6	14 Feb 2017	2	14.72	87.18	7.1	33.30	8.1	24.7	1.44
A6	14 Feb 2017	3	14.44	87.10	6.5	33.32	8.1	24.8	1.61
A6	14 Feb 2017	4	13.85	87.25	6.4	33.35	8.1	24.9	1.66
A6	14 Feb 2017	5	13.68	87.05	6.4	33.34	8.1	25.0	1.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A6	14 Feb 2017	6	13.62	86.69	6.5	33.33	8.0	25.0	1.64
A6	14 Feb 2017	7	13.59	86.77	6.4	33.33	8.0	25.0	1.64
A6	14 Feb 2017	8	13.54	86.73	6.3	33.33	8.0	25.0	1.64
A6	14 Feb 2017	9	13.43	86.68	6.0	33.34	8.0	25.0	1.50
A6	14 Feb 2017	10	13.33	86.54	5.4	33.33	8.0	25.0	1.41
A6	14 Feb 2017	11	12.66	85.52	5.3	33.38	8.0	25.2	1.35
A6	14 Feb 2017	12	12.46	83.89	5.4	33.38	7.9	25.2	1.36
A6	14 Feb 2017	13	12.36	83.40	5.5	33.38	7.9	25.3	1.32
A6	14 Feb 2017	14	12.35	81.90	5.5	33.37	7.9	25.3	1.33
A6	14 Feb 2017	15	12.35	81.48	5.6	33.37	7.9	25.3	1.30
A6	14 Feb 2017	16	12.36	81.48	5.6	33.37	7.9	25.3	1.31
A6	14 Feb 2017	17	12.36	81.57	5.6	33.37	7.9	25.3	1.28
A6	14 Feb 2017	18	12.36	81.58	5.5	33.37	7.9	25.3	1.29
A6	24 Feb 2017	1	14.66	82.35	7.8	33.22	8.1	24.7	1.15
A6	24 Feb 2017	2	14.66	82.41	7.8	33.22	8.1	24.7	1.31
A6	24 Feb 2017	3	14.66	82.35	7.8	33.22	8.1	24.7	1.48
A6	24 Feb 2017	4	14.67	82.30	7.8	33.22	8.1	24.7	1.58
A6	24 Feb 2017	5	14.67	82.32	7.8	33.22	8.1	24.7	1.61
A6	24 Feb 2017	6	14.66	82.43	7.8	33.22	8.1	24.7	1.69
A6	24 Feb 2017	7	14.67	82.36	7.8	33.22	8.1	24.7	1.71
A6	24 Feb 2017	8	14.67	82.65	7.8	33.22	8.1	24.7	1.75
A6	24 Feb 2017	9	14.67	82.48	7.7	33.22	8.1	24.7	1.69
A6	24 Feb 2017	10	14.67	82.71	7.7	33.22	8.1	24.7	1.66
A6	24 Feb 2017	11	14.68	82.72	7.7	33.23	8.1	24.7	1.71
A6	24 Feb 2017	12	14.68	82.99	7.7	33.23	8.1	24.7	1.69
A6	24 Feb 2017	13	14.68	82.98	7.7	33.23	8.1	24.7	1.63
A6	24 Feb 2017	14	14.68	82.97	7.7	33.23	8.1	24.7	1.63
A6	24 Feb 2017	15	14.66	83.42	7.4	33.23	8.1	24.7	1.55
A6	24 Feb 2017	16	14.61	83.78	7.2	33.24	8.1	24.7	1.48
A6	24 Feb 2017	17	14.47	84.09	7.1	33.26	8.1	24.7	1.50
A6	24 Feb 2017	18	14.36	84.50	7.1	33.27	8.1	24.8	1.47
A6	24 Feb 2017	19	14.35	84.93	6.9	33.27	8.1	24.8	1.36
A6	24 Feb 2017	20	14.23	84.80	6.8	33.28	8.0	24.8	1.35
A6	24 Feb 2017	21	14.14	84.59	7.1	33.28	8.0	24.8	1.36
C6	04 Feb 2017	1	14.70	64.00	7.4	33.24	8.1	24.7	1.36
C6	04 Feb 2017	2	14.70	65.07	8.0	33.24	8.1	24.7	1.49
C6	04 Feb 2017	3	14.69	65.54	8.3	33.24	8.1	24.7	1.50
C6	04 Feb 2017	4	14.68	65.38	8.1	33.24	8.1	24.7	1.54
C6	04 Feb 2017	5	14.66	64.51	7.7	33.25	8.1	24.7	1.56
C6	04 Feb 2017	6	14.60	62.82	7.3	33.26	8.1	24.7	1.45
C6	04 Feb 2017	7	14.46	59.87	7.0	33.28	8.1	24.8	1.49
C6	04 Feb 2017	8	14.38	52.42	6.9	33.27	8.1	24.8	1.17
C6	04 Feb 2017	9	14.38	50.27	7.1	33.26	8.1	24.8	1.16
C6	06 Feb 2017	1	14.68	75.48	7.6	33.26	8.1	24.7	1.04
C6	06 Feb 2017	2	14.68	75.33	7.6	33.26	8.1	24.7	1.10
C6	06 Feb 2017	3	14.68	76.11	7.6	33.26	8.1	24.7	1.06
C6	06 Feb 2017	4	14.68	76.36	7.5	33.26	8.1	24.7	1.02
C6	06 Feb 2017	5	14.68	75.69	7.5	33.26	8.1	24.7	1.00
C6	06 Feb 2017	6	14.68	75.14	7.5	33.26	8.1	24.7	1.04
C6	06 Feb 2017	7	14.68	75.81	7.4	33.26	8.1	24.7	0.95
C6	06 Feb 2017	8	14.67	76.06	7.2	33.26	8.1	24.7	0.89
C6	06 Feb 2017	9	14.62	77.97	7.2	33.27	8.1	24.7	0.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C6	06 Feb 2017	10	14.58	79.68	7.2	33.27	8.1	24.7	0.80
C6	14 Feb 2017	1	14.93	81.48	8.3	33.29	8.2	24.7	1.95
C6	14 Feb 2017	2	14.91	81.42	8.2	33.29	8.2	24.7	2.08
C6	14 Feb 2017	3	14.89	81.12	8.1	33.29	8.2	24.7	2.09
C6	14 Feb 2017	4	14.88	81.16	8.0	33.29	8.2	24.7	2.05
C6	14 Feb 2017	5	14.83	80.89	7.7	33.29	8.1	24.7	1.69
C6	14 Feb 2017	6	14.81	81.46	6.9	33.29	8.1	24.7	1.22
C6	14 Feb 2017	7	14.53	82.48	6.2	33.32	8.1	24.8	0.83
C6	14 Feb 2017	8	14.13	83.09	6.1	33.34	8.1	24.9	0.82
C6	14 Feb 2017	9	13.82	83.53	6.3	33.33	8.0	24.9	0.73
C6	14 Feb 2017	10	13.79	83.41	6.8	33.33	8.0	24.9	0.82
C6	24 Feb 2017	1	14.13	66.20	7.7	33.24	8.0	24.8	0.99
C6	24 Feb 2017	2	14.13	65.83	7.7	33.24	8.0	24.8	1.19
C6	24 Feb 2017	3	14.13	65.81	7.6	33.24	8.0	24.8	1.31
C6	24 Feb 2017	4	14.13	65.70	7.6	33.24	8.0	24.8	1.26
C6	24 Feb 2017	5	14.11	65.94	7.5	33.24	8.0	24.8	1.18
C6	24 Feb 2017	6	14.09	65.07	7.3	33.24	8.0	24.8	1.11
C6	24 Feb 2017	7	14.06	64.78	7.0	33.24	8.0	24.8	0.97
C6	24 Feb 2017	8	14.04	64.43	6.5	33.25	8.0	24.8	0.82
C6	24 Feb 2017	9	13.95	64.29	6.3	33.28	8.0	24.9	0.80
C6	24 Feb 2017	10	13.91	63.09	6.5	33.29	8.0	24.9	0.79
A7	04 Feb 2017	1	14.58	65.86	7.7	33.23	8.1	24.7	1.71
A7	04 Feb 2017	2	14.57	66.01	7.8	33.23	8.1	24.7	1.94
A7	04 Feb 2017	3	14.55	69.55	8.0	33.23	8.1	24.7	2.03
A7	04 Feb 2017	4	14.56	72.08	8.1	33.23	8.1	24.7	2.10
A7	04 Feb 2017	5	14.57	73.68	8.2	33.24	8.1	24.7	2.28
A7	04 Feb 2017	6	14.58	74.53	8.1	33.25	8.1	24.7	2.39
A7	04 Feb 2017	7	14.58	75.05	8.2	33.25	8.1	24.7	2.41
A7	04 Feb 2017	8	14.59	75.11	8.2	33.25	8.1	24.7	2.22
A7	04 Feb 2017	9	14.60	76.14	8.2	33.27	8.1	24.7	2.24
A7	04 Feb 2017	10	14.60	77.41	8.2	33.27	8.1	24.7	2.26
A7	04 Feb 2017	11	14.60	78.51	8.1	33.27	8.1	24.7	2.15
A7	04 Feb 2017	12	14.60	78.72	8.0	33.28	8.1	24.7	2.17
A7	04 Feb 2017	13	14.57	78.38	7.9	33.29	8.1	24.7	2.23
A7	04 Feb 2017	14	14.51	77.00	7.9	33.29	8.1	24.8	2.26
A7	04 Feb 2017	15	14.50	76.12	7.9	33.29	8.1	24.8	2.36
A7	04 Feb 2017	16	14.48	76.18	7.9	33.29	8.1	24.8	2.67
A7	04 Feb 2017	17	14.47	72.64	7.8	33.29	8.1	24.8	3.01
A7	04 Feb 2017	18	14.43	67.51	7.9	33.29	8.1	24.8	3.01
A7	04 Feb 2017	19	14.43	62.04	8.0	33.29	8.1	24.8	3.12
A7	06 Feb 2017	1	14.77	86.88	7.8	33.32	8.1	24.7	1.17
A7	06 Feb 2017	2	14.77	86.65	7.8	33.33	8.1	24.7	1.17
A7	06 Feb 2017	3	14.77	86.85	7.8	33.33	8.1	24.7	1.17
A7	06 Feb 2017	4	14.76	86.92	7.8	33.33	8.1	24.7	1.16
A7	06 Feb 2017	5	14.76	87.04	7.8	33.33	8.1	24.7	1.13
A7	06 Feb 2017	6	14.74	87.25	7.8	33.33	8.1	24.7	1.17
A7	06 Feb 2017	7	14.73	87.35	7.8	33.33	8.1	24.7	1.17
A7	06 Feb 2017	8	14.72	87.18	7.8	33.33	8.1	24.7	1.15
A7	06 Feb 2017	9	14.72	87.35	7.8	33.33	8.1	24.7	1.15
A7	06 Feb 2017	10	14.71	87.36	7.7	33.33	8.1	24.7	1.17
A7	06 Feb 2017	11	14.69	87.47	7.7	33.33	8.1	24.8	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A7	06 Feb 2017	12	14.66	87.50	7.7	33.33	8.1	24.8	1.20
A7	06 Feb 2017	13	14.64	87.51	7.6	33.33	8.1	24.8	1.22
A7	06 Feb 2017	14	14.63	87.57	7.6	33.33	8.1	24.8	1.24
A7	06 Feb 2017	15	14.60	87.48	7.4	33.33	8.1	24.8	1.23
A7	06 Feb 2017	16	14.50	87.13	7.2	33.33	8.1	24.8	1.21
A7	06 Feb 2017	17	14.42	86.78	7.0	33.33	8.1	24.8	1.07
A7	06 Feb 2017	18	14.31	86.00	7.0	33.33	8.1	24.8	1.05
A7	06 Feb 2017	19	14.20	85.01	7.1	33.33	8.1	24.9	1.00
A7	14 Feb 2017	1	14.78	84.42	7.9	33.30	8.1	24.7	1.82
A7	14 Feb 2017	2	14.76	85.52	7.5	33.30	8.1	24.7	2.03
A7	14 Feb 2017	3	14.50	85.77	7.1	33.32	8.1	24.8	1.91
A7	14 Feb 2017	4	14.32	86.08	7.0	33.32	8.1	24.8	1.83
A7	14 Feb 2017	5	14.15	86.20	7.0	33.33	8.1	24.9	1.71
A7	14 Feb 2017	6	14.09	86.59	7.0	33.32	8.1	24.9	1.65
A7	14 Feb 2017	7	14.08	87.11	7.0	33.32	8.1	24.9	1.66
A7	14 Feb 2017	8	14.06	87.31	7.0	33.32	8.1	24.9	1.64
A7	14 Feb 2017	9	14.05	87.54	6.9	33.32	8.1	24.9	1.62
A7	14 Feb 2017	10	14.03	87.57	6.9	33.32	8.1	24.9	1.57
A7	14 Feb 2017	11	13.98	87.60	6.7	33.32	8.1	24.9	1.53
A7	14 Feb 2017	12	13.97	87.66	6.5	33.32	8.1	24.9	1.51
A7	14 Feb 2017	13	13.82	87.65	6.3	33.33	8.1	24.9	1.49
A7	14 Feb 2017	14	13.69	87.53	6.0	33.34	8.0	25.0	1.49
A7	14 Feb 2017	15	13.51	87.30	5.7	33.34	8.0	25.0	1.44
A7	14 Feb 2017	16	13.32	86.94	5.4	33.35	8.0	25.0	1.42
A7	14 Feb 2017	17	12.84	85.90	5.3	33.39	8.0	25.2	1.33
A7	14 Feb 2017	18	12.57	85.20	5.2	33.38	8.0	25.2	1.27
A7	14 Feb 2017	19	12.29	81.55	5.3	33.40	7.9	25.3	1.19
A7	24 Feb 2017	1	14.50	83.67	7.7	33.24	8.1	24.7	1.02
A7	24 Feb 2017	2	14.49	83.93	7.7	33.24	8.1	24.7	1.11
A7	24 Feb 2017	3	14.49	83.96	7.7	33.24	8.1	24.7	1.24
A7	24 Feb 2017	4	14.49	83.63	7.7	33.24	8.1	24.7	1.44
A7	24 Feb 2017	5	14.50	83.82	7.7	33.24	8.1	24.7	1.50
A7	24 Feb 2017	6	14.50	83.90	7.7	33.24	8.1	24.7	1.57
A7	24 Feb 2017	7	14.50	84.00	7.6	33.24	8.1	24.7	1.59
A7	24 Feb 2017	8	14.49	83.87	7.6	33.24	8.1	24.7	1.62
A7	24 Feb 2017	9	14.47	83.96	7.5	33.24	8.1	24.7	1.57
A7	24 Feb 2017	10	14.46	84.17	7.4	33.24	8.1	24.7	1.52
A7	24 Feb 2017	11	14.42	84.25	7.3	33.25	8.1	24.7	1.54
A7	24 Feb 2017	12	14.39	84.51	7.2	33.25	8.1	24.8	1.49
A7	24 Feb 2017	13	14.33	84.63	7.0	33.26	8.1	24.8	1.42
A7	24 Feb 2017	14	14.29	84.78	6.5	33.27	8.0	24.8	1.24
A7	24 Feb 2017	15	14.02	84.97	6.4	33.30	8.0	24.9	1.19
A7	24 Feb 2017	16	13.75	84.63	6.6	33.32	8.0	24.9	1.14
A7	24 Feb 2017	17	13.86	84.41	6.5	33.30	8.0	24.9	1.08
A7	24 Feb 2017	18	13.71	84.56	6.2	33.32	8.0	25.0	1.01
A7	24 Feb 2017	19	13.56	84.22	6.1	33.33	8.0	25.0	0.93
A7	24 Feb 2017	20	13.40	83.48	6.2	33.35	8.0	25.0	0.91
C7	04 Feb 2017	1	14.67	75.26	8.8	33.22	8.2	24.7	4.51
C7	04 Feb 2017	2	14.67	75.31	8.8	33.22	8.2	24.7	5.16
C7	04 Feb 2017	3	14.67	75.59	8.7	33.22	8.2	24.7	5.98
C7	04 Feb 2017	4	14.66	75.99	8.6	33.22	8.2	24.7	5.06
C7	04 Feb 2017	5	14.66	76.42	8.5	33.23	8.2	24.7	3.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	04 Feb 2017	6	14.67	78.46	8.4	33.25	8.2	24.7	3.48
C7	04 Feb 2017	7	14.71	80.73	8.3	33.26	8.2	24.7	3.28
C7	04 Feb 2017	8	14.73	82.08	8.2	33.28	8.2	24.7	3.17
C7	04 Feb 2017	9	14.72	82.58	8.3	33.28	8.2	24.7	3.47
C7	04 Feb 2017	10	14.67	82.14	8.3	33.27	8.2	24.7	3.31
C7	04 Feb 2017	11	14.66	81.44	8.3	33.27	8.2	24.7	3.13
C7	04 Feb 2017	12	14.65	81.43	8.3	33.27	8.2	24.7	2.88
C7	04 Feb 2017	13	14.63	81.18	8.2	33.26	8.2	24.7	2.61
C7	04 Feb 2017	14	14.54	80.97	8.0	33.25	8.2	24.7	2.16
C7	04 Feb 2017	15	14.51	80.52	7.6	33.24	8.1	24.7	1.77
C7	04 Feb 2017	16	14.42	79.54	7.2	33.26	8.1	24.8	1.53
C7	04 Feb 2017	17	14.28	75.39	7.3	33.28	8.1	24.8	1.52
C7	04 Feb 2017	18	14.27	71.00	7.4	33.27	8.1	24.8	1.47
C7	06 Feb 2017	1	14.73	80.04	8.0	33.28	8.1	24.7	2.01
C7	06 Feb 2017	2	14.73	80.41	7.9	33.28	8.1	24.7	2.06
C7	06 Feb 2017	3	14.73	80.44	7.9	33.28	8.1	24.7	1.95
C7	06 Feb 2017	4	14.72	80.85	7.8	33.28	8.1	24.7	1.75
C7	06 Feb 2017	5	14.71	81.66	7.7	33.29	8.1	24.7	1.68
C7	06 Feb 2017	6	14.67	83.25	7.8	33.30	8.1	24.7	1.73
C7	06 Feb 2017	7	14.67	84.28	7.8	33.31	8.1	24.7	1.75
C7	06 Feb 2017	8	14.66	84.57	7.7	33.31	8.1	24.7	1.72
C7	06 Feb 2017	9	14.65	84.99	7.6	33.31	8.1	24.7	1.66
C7	06 Feb 2017	10	14.63	85.44	7.4	33.32	8.1	24.8	1.63
C7	06 Feb 2017	11	14.55	85.48	7.4	33.32	8.1	24.8	1.62
C7	06 Feb 2017	12	14.47	85.05	7.4	33.33	8.1	24.8	1.60
C7	06 Feb 2017	13	14.46	84.97	7.3	33.32	8.1	24.8	1.49
C7	06 Feb 2017	14	14.44	84.76	7.2	33.32	8.1	24.8	1.33
C7	06 Feb 2017	15	14.42	84.42	6.9	33.32	8.1	24.8	1.17
C7	06 Feb 2017	16	14.34	83.12	6.4	33.32	8.1	24.8	1.07
C7	06 Feb 2017	17	13.98	79.82	6.5	33.34	8.1	24.9	1.01
C7	06 Feb 2017	18	13.80	75.31	7.1	33.31	8.0	24.9	1.06
C7	14 Feb 2017	1	15.05	85.10	8.2	33.29	8.2	24.6	1.72
C7	14 Feb 2017	2	15.05	85.55	8.2	33.29	8.2	24.6	2.01
C7	14 Feb 2017	3	15.04	85.36	8.1	33.29	8.2	24.6	2.29
C7	14 Feb 2017	4	15.01	84.81	8.1	33.29	8.2	24.7	2.42
C7	14 Feb 2017	5	14.95	84.37	7.8	33.29	8.2	24.7	2.22
C7	14 Feb 2017	6	14.77	83.52	7.2	33.30	8.1	24.7	1.78
C7	14 Feb 2017	7	14.49	82.79	6.6	33.31	8.1	24.8	1.46
C7	14 Feb 2017	8	14.01	83.02	6.2	33.34	8.1	24.9	1.27
C7	14 Feb 2017	9	13.64	84.09	6.2	33.34	8.1	25.0	1.13
C7	14 Feb 2017	10	13.55	85.77	6.3	33.34	8.0	25.0	1.06
C7	14 Feb 2017	11	13.46	86.22	6.3	33.34	8.0	25.0	1.04
C7	14 Feb 2017	12	13.40	86.09	6.3	33.34	8.0	25.0	1.00
C7	14 Feb 2017	13	13.38	85.90	6.3	33.34	8.0	25.0	0.99
C7	14 Feb 2017	14	13.36	86.09	6.2	33.34	8.0	25.0	0.95
C7	14 Feb 2017	15	13.25	86.21	6.1	33.34	8.0	25.1	0.90
C7	14 Feb 2017	16	13.18	86.44	6.1	33.34	8.0	25.1	0.88
C7	14 Feb 2017	17	13.17	86.54	6.1	33.34	8.0	25.1	0.84
C7	14 Feb 2017	18	13.16	86.47	6.2	33.34	8.0	25.1	0.82
C7	24 Feb 2017	1	14.49	81.04	7.7	33.24	8.1	24.7	0.85
C7	24 Feb 2017	2	14.49	79.50	7.7	33.24	8.1	24.7	0.97
C7	24 Feb 2017	3	14.49	84.07	7.7	33.24	8.1	24.7	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C7	24 Feb 2017	4	14.49	84.64	7.7	33.24	8.1	24.7	1.18
C7	24 Feb 2017	5	14.49	84.75	7.6	33.24	8.1	24.7	1.29
C7	24 Feb 2017	6	14.49	84.71	7.5	33.24	8.1	24.7	1.40
C7	24 Feb 2017	7	14.48	84.44	7.4	33.24	8.1	24.7	1.43
C7	24 Feb 2017	8	14.44	84.34	7.3	33.25	8.1	24.7	1.45
C7	24 Feb 2017	9	14.44	84.31	7.1	33.25	8.1	24.7	1.37
C7	24 Feb 2017	10	14.36	84.37	6.8	33.26	8.1	24.8	1.34
C7	24 Feb 2017	11	14.20	85.77	6.6	33.29	8.1	24.8	1.29
C7	24 Feb 2017	12	14.14	87.20	6.2	33.30	8.0	24.8	1.15
C7	24 Feb 2017	13	13.84	87.02	5.9	33.32	8.0	24.9	1.01
C7	24 Feb 2017	14	13.52	85.92	5.7	33.34	8.0	25.0	0.97
C7	24 Feb 2017	15	13.19	85.71	5.7	33.37	8.0	25.1	0.90
C7	24 Feb 2017	16	12.98	85.31	5.6	33.38	8.0	25.1	0.79
C7	24 Feb 2017	17	12.93	84.31	5.4	33.37	7.9	25.1	0.70
C7	24 Feb 2017	18	12.67	83.03	5.4	33.40	7.9	25.2	0.65
C7	24 Feb 2017	19	12.59	81.09	5.5	33.40	7.9	25.2	0.64
C8	04 Feb 2017	1	14.79	75.81	7.0	33.25	8.1	24.7	1.08
C8	04 Feb 2017	2	14.79	75.93	7.7	33.26	8.1	24.7	0.62
C8	04 Feb 2017	3	14.74	76.08	8.1	33.29	8.1	24.7	0.67
C8	04 Feb 2017	4	14.64	76.48	8.0	33.33	8.1	24.8	0.41
C8	04 Feb 2017	5	14.60	79.88	8.0	33.30	8.1	24.7	0.37
C8	04 Feb 2017	6	14.58	80.49	8.0	33.29	8.1	24.7	0.38
C8	04 Feb 2017	7	14.57	80.17	7.9	33.28	8.1	24.7	0.36
C8	04 Feb 2017	8	14.53	80.45	7.7	33.29	8.1	24.8	0.38
C8	04 Feb 2017	9	14.49	80.33	7.7	33.29	8.1	24.8	0.99
C8	04 Feb 2017	10	14.48	80.02	7.7	33.28	8.1	24.8	1.69
C8	04 Feb 2017	11	14.47	81.02	7.7	33.28	8.1	24.8	1.74
C8	04 Feb 2017	12	14.47	81.07	7.7	33.28	8.1	24.8	1.64
C8	04 Feb 2017	13	14.46	80.70	7.6	33.28	8.1	24.8	1.74
C8	04 Feb 2017	14	14.43	79.88	7.4	33.28	8.1	24.8	1.62
C8	04 Feb 2017	15	14.33	77.70	7.3	33.30	8.1	24.8	1.59
C8	04 Feb 2017	16	14.29	76.16	7.1	33.30	8.1	24.8	1.59
C8	04 Feb 2017	17	14.17	73.57	7.0	33.31	8.1	24.9	1.77
C8	04 Feb 2017	18	14.10	56.31	7.0	33.30	8.1	24.9	1.99
C8	06 Feb 2017	1	14.78	79.06	8.0	33.27	8.2	24.7	2.07
C8	06 Feb 2017	2	14.78	79.98	8.0	33.27	8.2	24.7	2.01
C8	06 Feb 2017	3	14.78	80.44	8.0	33.28	8.2	24.7	1.93
C8	06 Feb 2017	4	14.77	81.59	8.0	33.28	8.2	24.7	1.96
C8	06 Feb 2017	5	14.77	81.98	8.0	33.29	8.2	24.7	1.93
C8	06 Feb 2017	6	14.76	82.31	8.0	33.29	8.2	24.7	1.87
C8	06 Feb 2017	7	14.75	82.68	8.0	33.29	8.2	24.7	1.81
C8	06 Feb 2017	8	14.75	82.72	7.9	33.29	8.2	24.7	1.74
C8	06 Feb 2017	9	14.74	83.04	7.8	33.30	8.2	24.7	1.60
C8	06 Feb 2017	10	14.72	83.31	7.6	33.30	8.2	24.7	1.50
C8	06 Feb 2017	11	14.67	83.67	7.4	33.30	8.1	24.7	1.40
C8	06 Feb 2017	12	14.61	84.04	7.2	33.31	8.1	24.8	1.22
C8	06 Feb 2017	13	14.58	84.29	6.9	33.31	8.1	24.8	1.18
C8	06 Feb 2017	14	14.43	83.73	6.6	33.32	8.1	24.8	1.08
C8	06 Feb 2017	15	14.24	81.48	6.5	33.32	8.1	24.8	1.06
C8	06 Feb 2017	16	14.18	79.78	6.2	33.32	8.1	24.9	1.15
C8	06 Feb 2017	17	14.04	76.25	6.0	33.32	8.1	24.9	1.21
C8	06 Feb 2017	18	13.46	62.38	6.4	33.36	8.0	25.0	1.16
C8	06 Feb 2017	19	13.38	56.54	6.8	33.34	8.0	25.0	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C8	14 Feb 2017	1	15.13	86.72	8.2	33.28	8.2	24.6	1.01
C8	14 Feb 2017	2	15.12	86.71	8.1	33.28	8.2	24.6	1.20
C8	14 Feb 2017	3	15.10	87.02	8.1	33.29	8.2	24.6	1.30
C8	14 Feb 2017	4	15.08	86.99	8.1	33.29	8.2	24.6	1.36
C8	14 Feb 2017	5	15.08	87.24	8.1	33.29	8.2	24.6	1.42
C8	14 Feb 2017	6	15.09	87.18	7.9	33.29	8.2	24.6	1.67
C8	14 Feb 2017	7	15.07	87.17	7.6	33.29	8.2	24.6	1.94
C8	14 Feb 2017	8	14.73	87.12	7.4	33.30	8.2	24.7	2.00
C8	14 Feb 2017	9	14.44	85.48	7.3	33.31	8.1	24.8	2.03
C8	14 Feb 2017	10	14.33	84.30	7.2	33.31	8.1	24.8	1.94
C8	14 Feb 2017	11	14.18	84.40	6.8	33.32	8.1	24.8	1.65
C8	14 Feb 2017	12	14.02	84.75	6.3	33.32	8.1	24.9	1.32
C8	14 Feb 2017	13	13.79	85.47	6.1	33.33	8.1	24.9	1.21
C8	14 Feb 2017	14	13.40	85.94	6.2	33.35	8.0	25.0	1.19
C8	14 Feb 2017	15	13.33	86.13	6.2	33.34	8.0	25.0	1.18
C8	14 Feb 2017	16	13.33	85.91	6.2	33.33	8.0	25.0	1.18
C8	14 Feb 2017	17	13.20	85.78	6.2	33.34	8.0	25.1	1.17
C8	14 Feb 2017	18	13.21	85.60	6.3	33.34	8.0	25.1	1.23
C8	14 Feb 2017	19	13.22	85.82	6.3	33.34	8.0	25.1	1.20
C8	24 Feb 2017	1	14.43	85.60	7.7	33.25	8.1	24.7	0.81
C8	24 Feb 2017	2	14.44	85.67	7.7	33.25	8.1	24.7	0.90
C8	24 Feb 2017	3	14.44	85.73	7.6	33.25	8.1	24.7	1.01
C8	24 Feb 2017	4	14.44	85.74	7.6	33.25	8.1	24.7	1.13
C8	24 Feb 2017	5	14.42	85.70	7.6	33.26	8.1	24.8	1.23
C8	24 Feb 2017	6	14.42	85.71	7.5	33.26	8.1	24.8	1.30
C8	24 Feb 2017	7	14.42	85.83	7.3	33.26	8.1	24.8	1.34
C8	24 Feb 2017	8	14.40	85.82	7.0	33.26	8.1	24.8	1.29
C8	24 Feb 2017	9	14.22	85.78	6.7	33.28	8.1	24.8	1.15
C8	24 Feb 2017	10	14.09	85.76	6.2	33.29	8.0	24.8	1.03
C8	24 Feb 2017	11	13.69	85.97	6.0	33.33	8.0	25.0	0.93
C8	24 Feb 2017	12	13.47	85.92	6.1	33.34	8.0	25.0	0.93
C8	24 Feb 2017	13	13.33	85.82	6.0	33.35	8.0	25.0	0.87
C8	24 Feb 2017	14	13.22	85.80	5.9	33.35	8.0	25.1	0.84
C8	24 Feb 2017	15	13.06	85.72	5.7	33.36	8.0	25.1	0.71
C8	24 Feb 2017	16	12.99	85.18	5.2	33.36	8.0	25.1	0.59
C8	24 Feb 2017	17	12.42	84.37	5.1	33.42	7.9	25.3	0.57
C8	24 Feb 2017	18	12.29	81.24	5.0	33.42	7.9	25.3	0.55
C8	24 Feb 2017	19	12.33	78.48	4.6	33.41	7.9	25.3	0.55
C8	24 Feb 2017	20	11.81	71.59	4.6	33.47	7.8	25.4	0.53

NA = not available

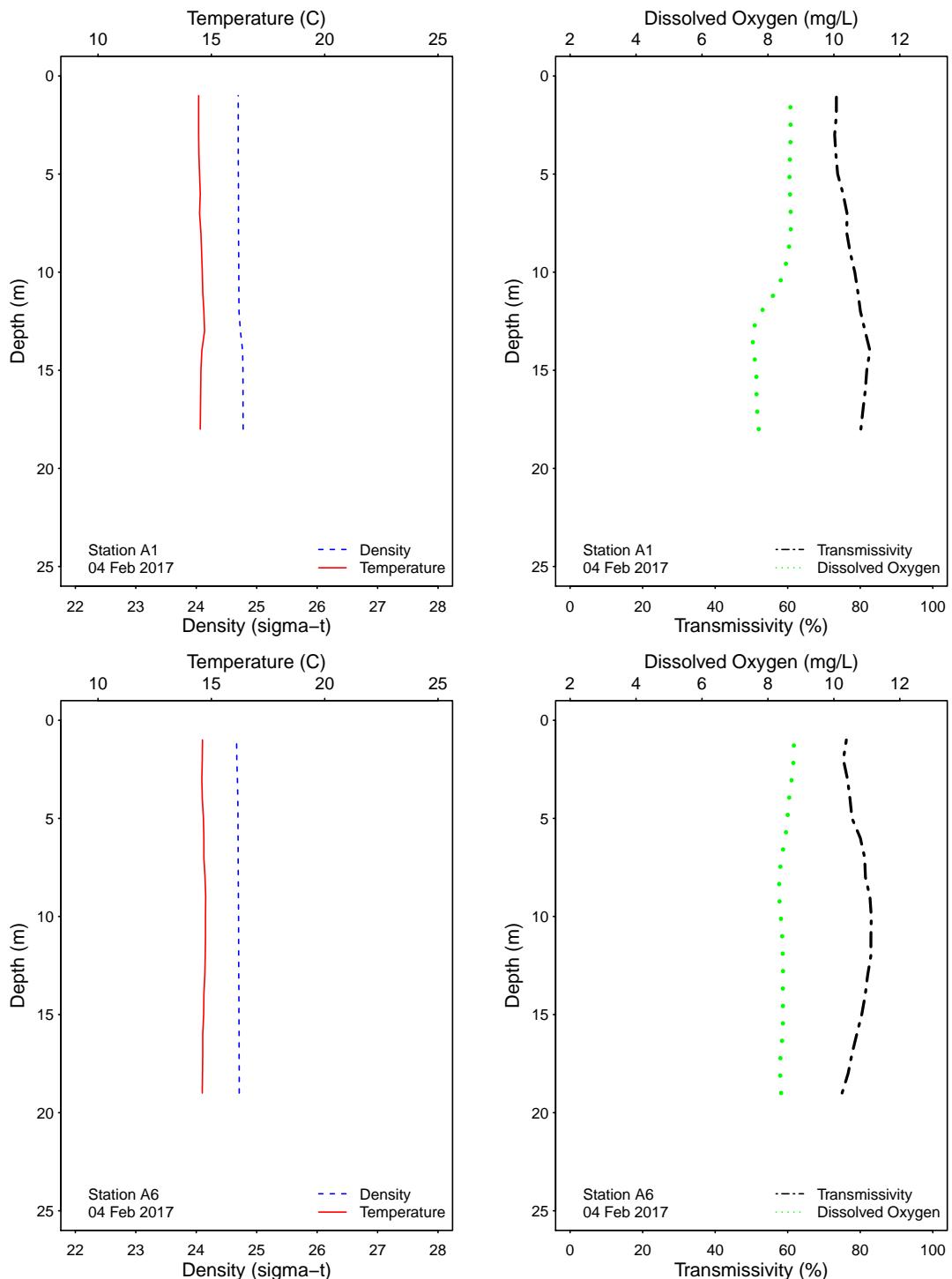


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

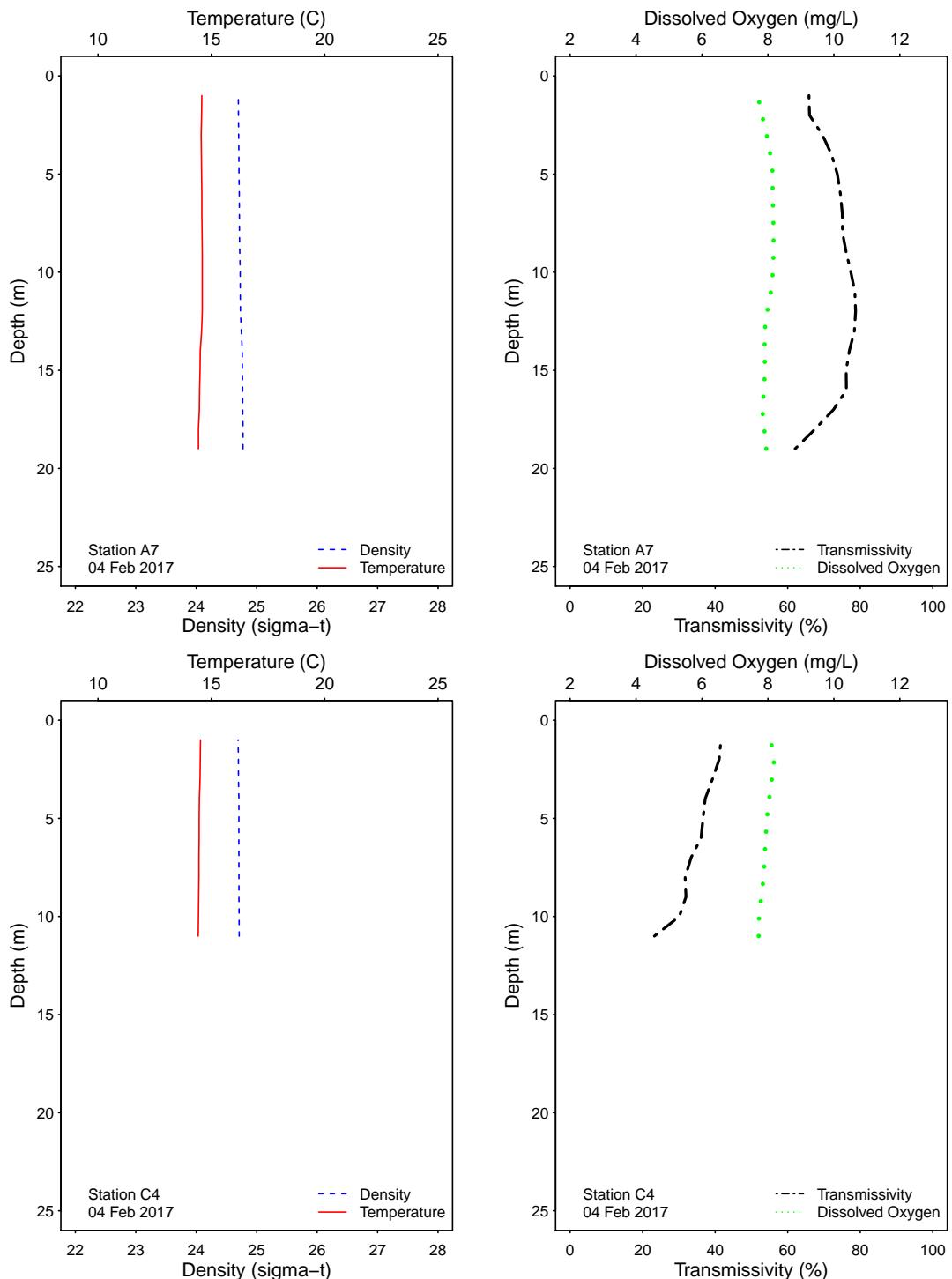


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

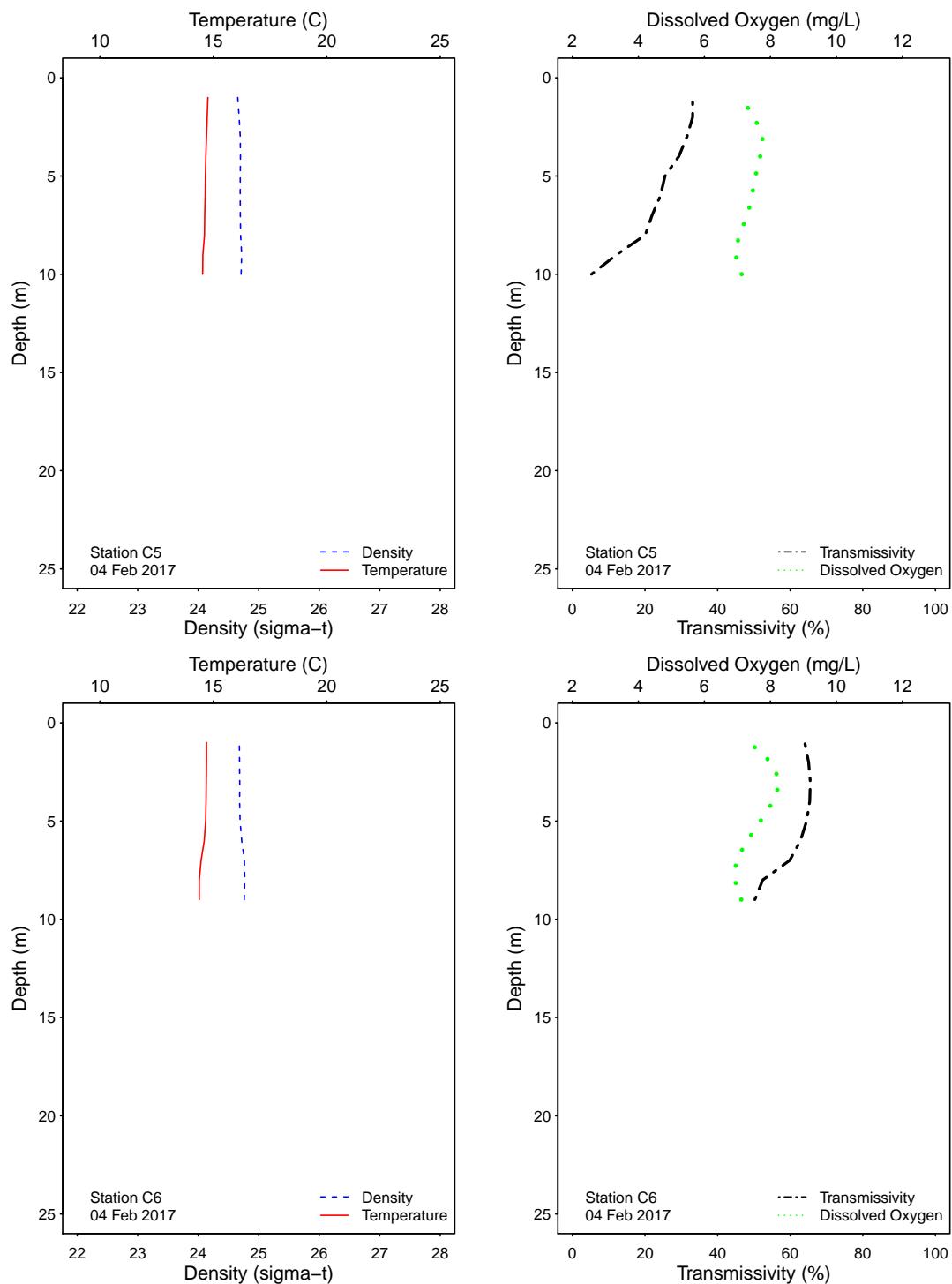


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

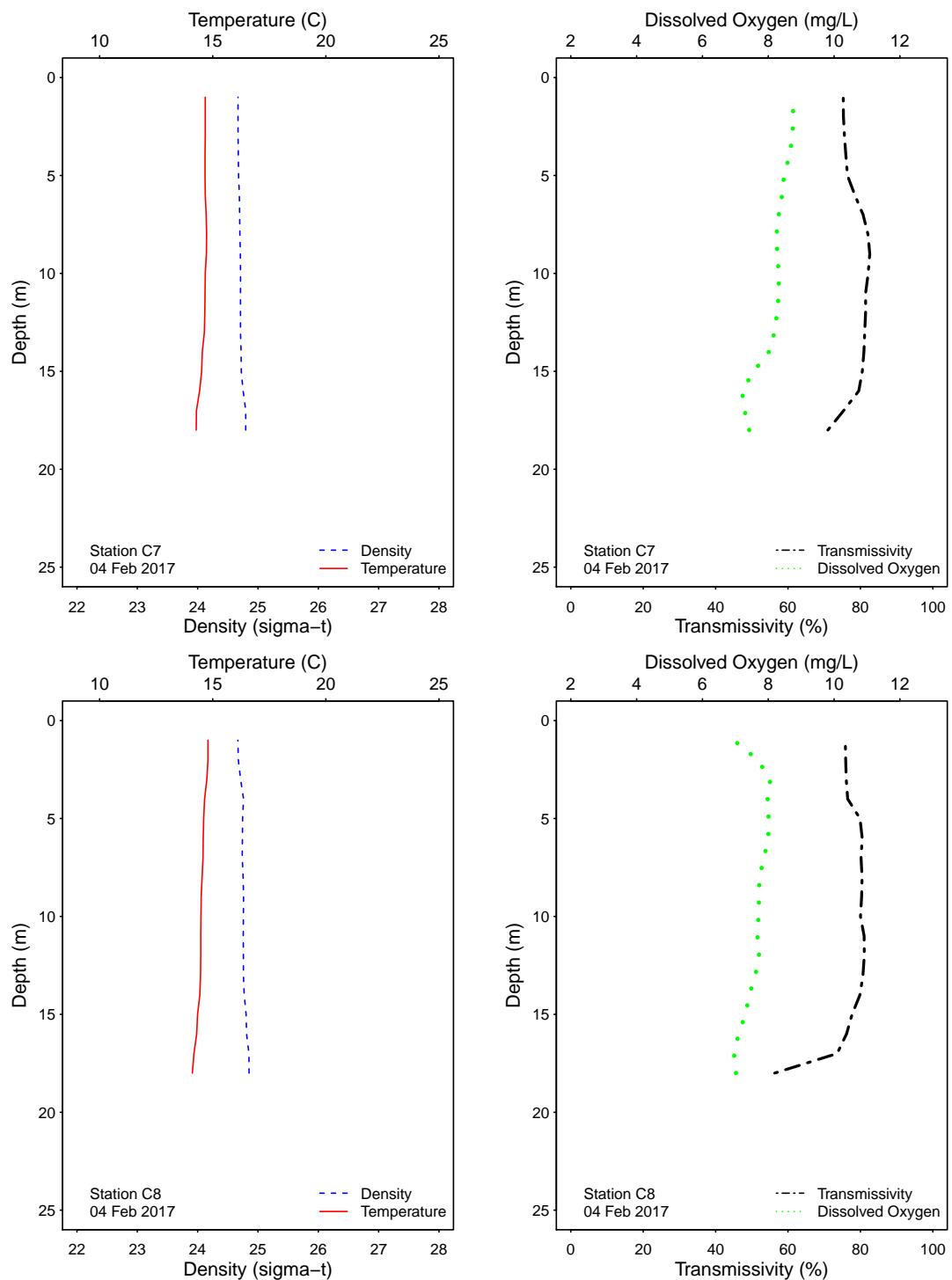


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

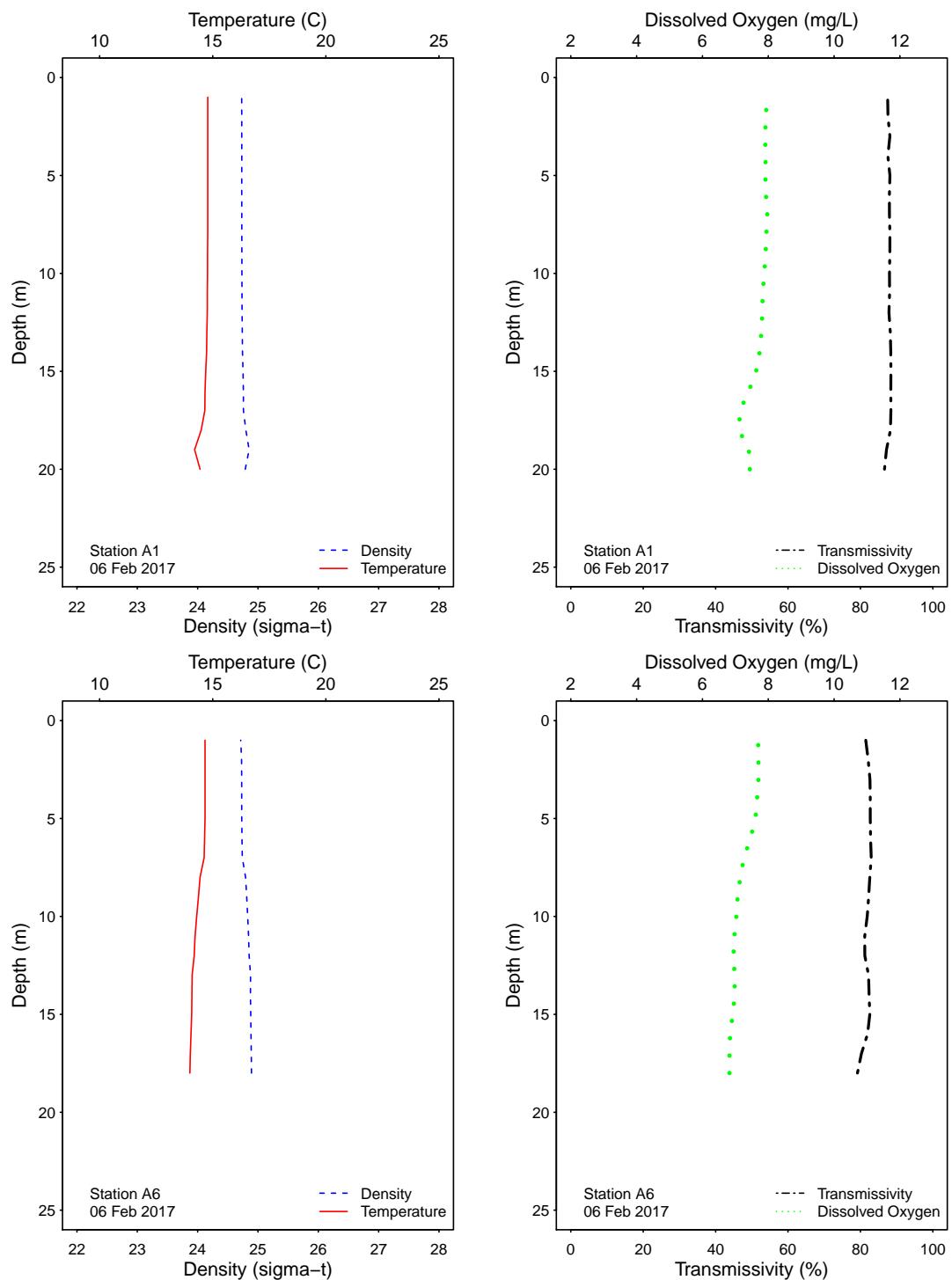


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

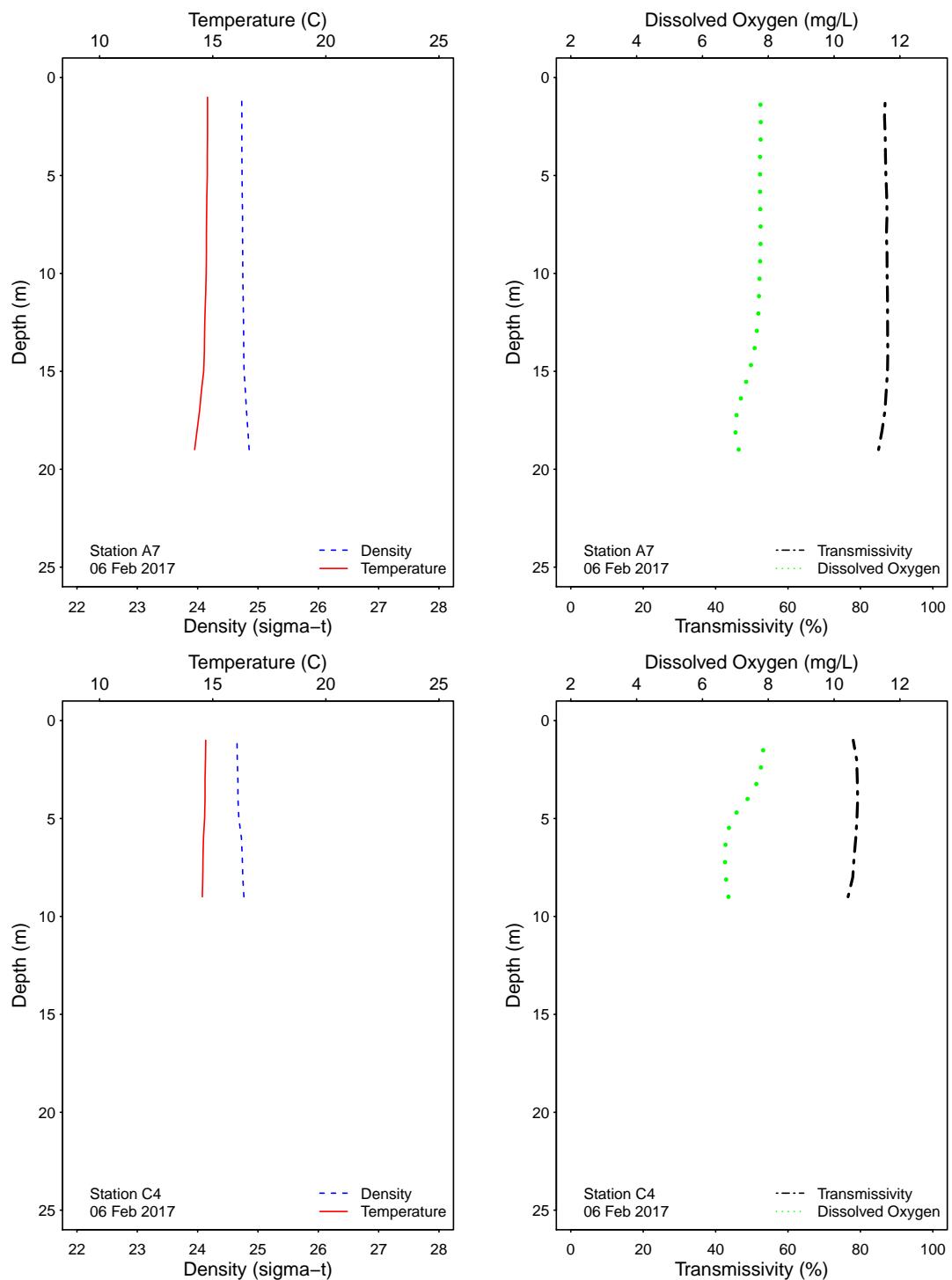


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

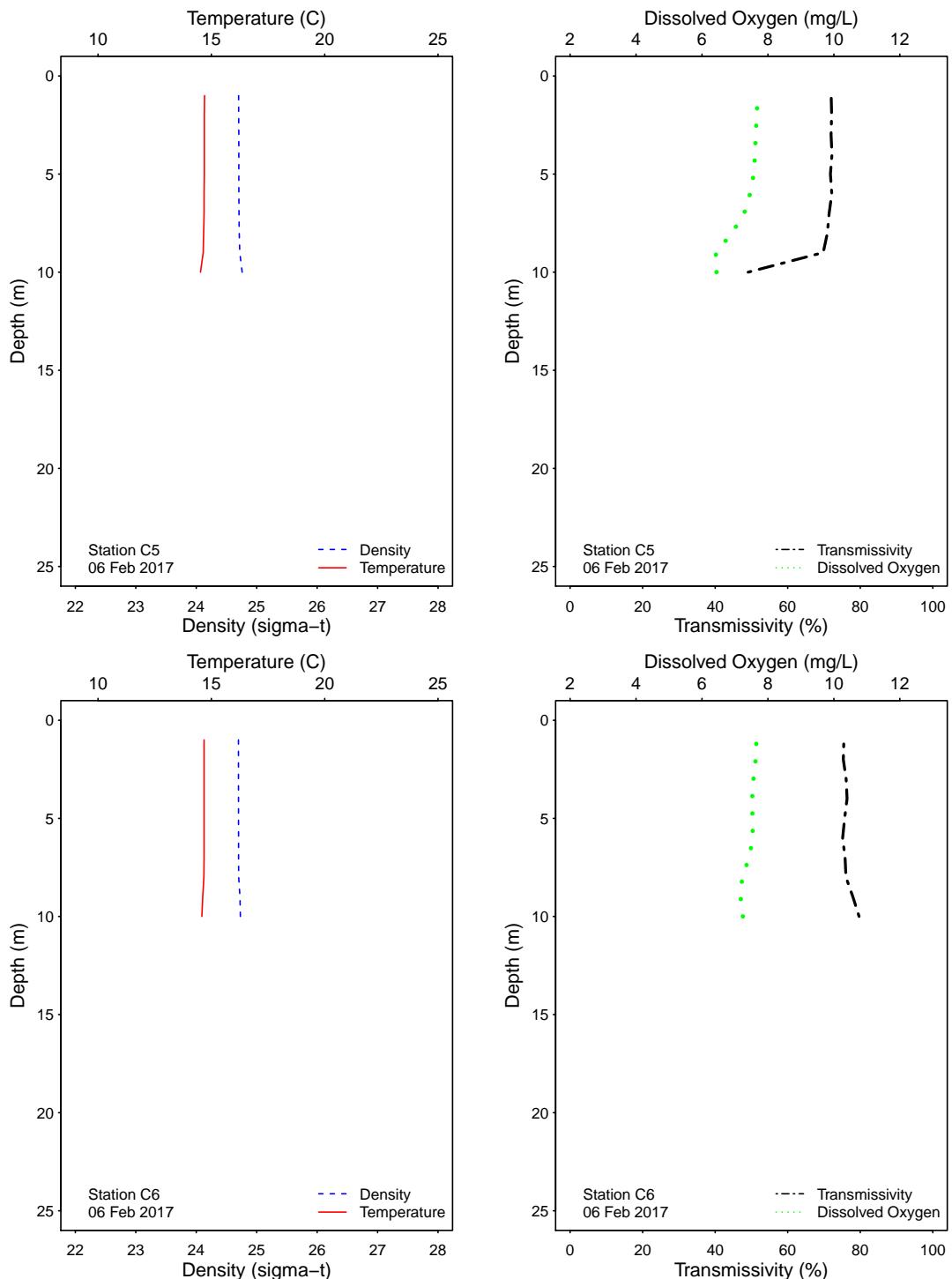


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

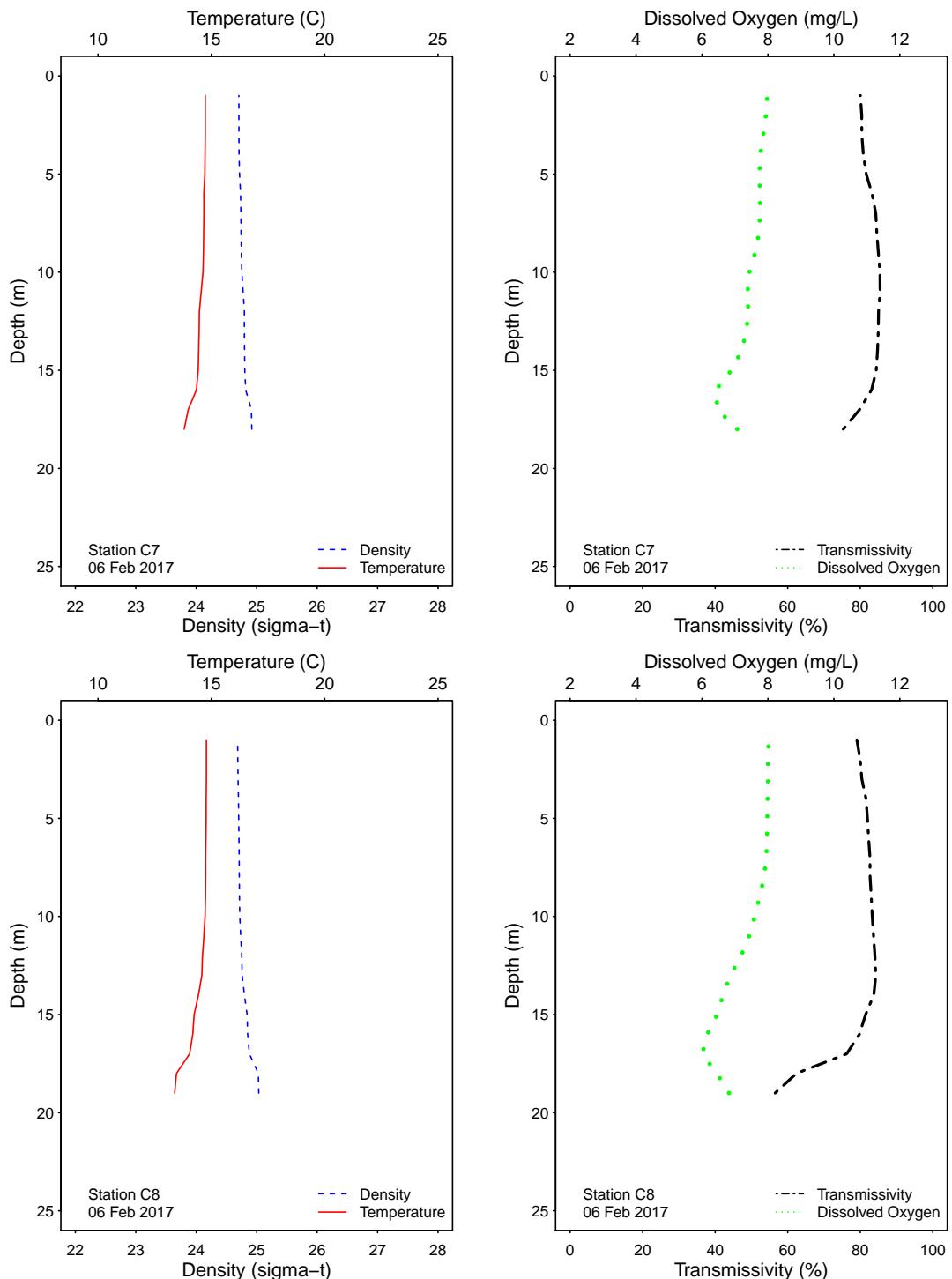


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

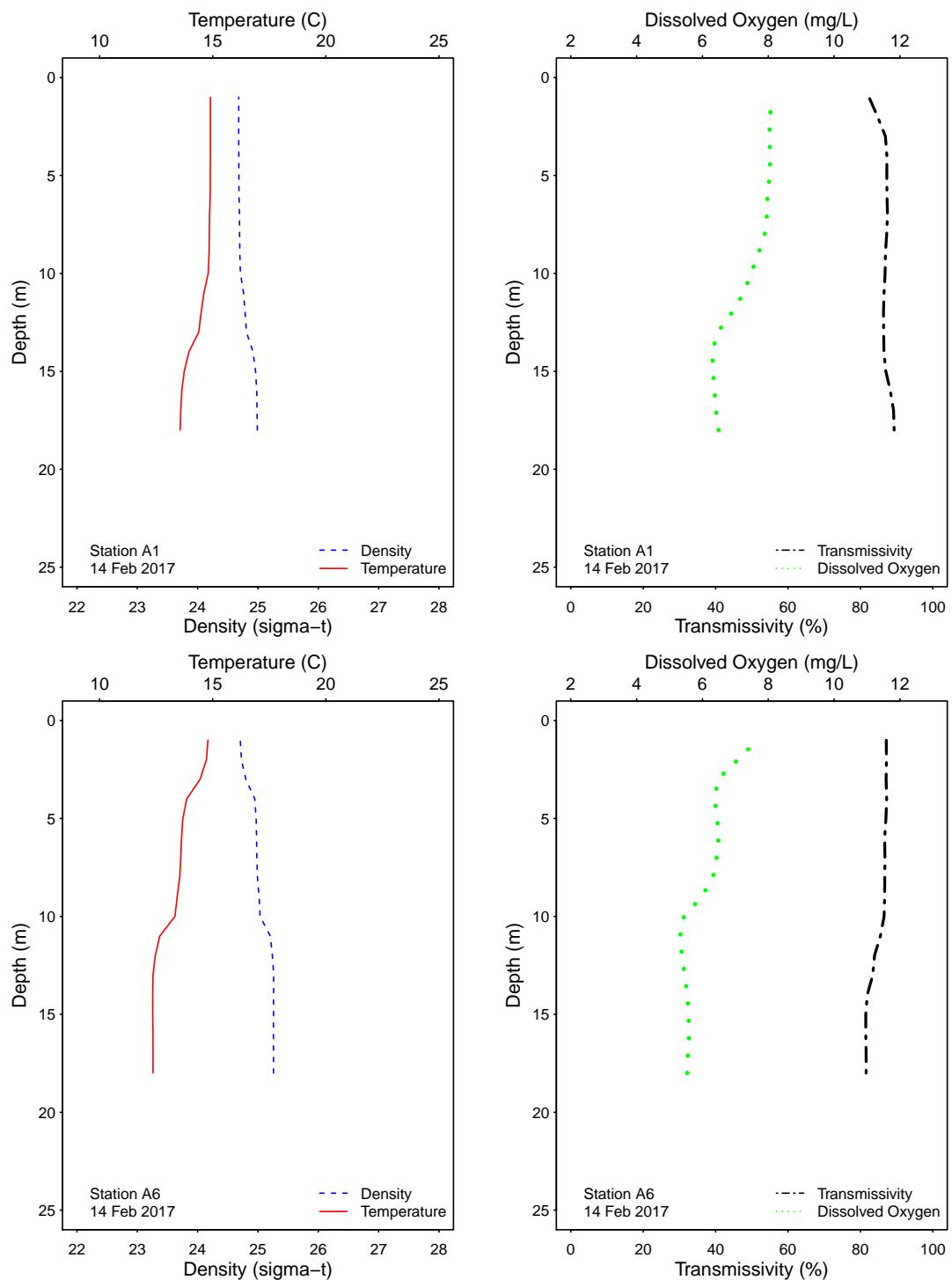


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

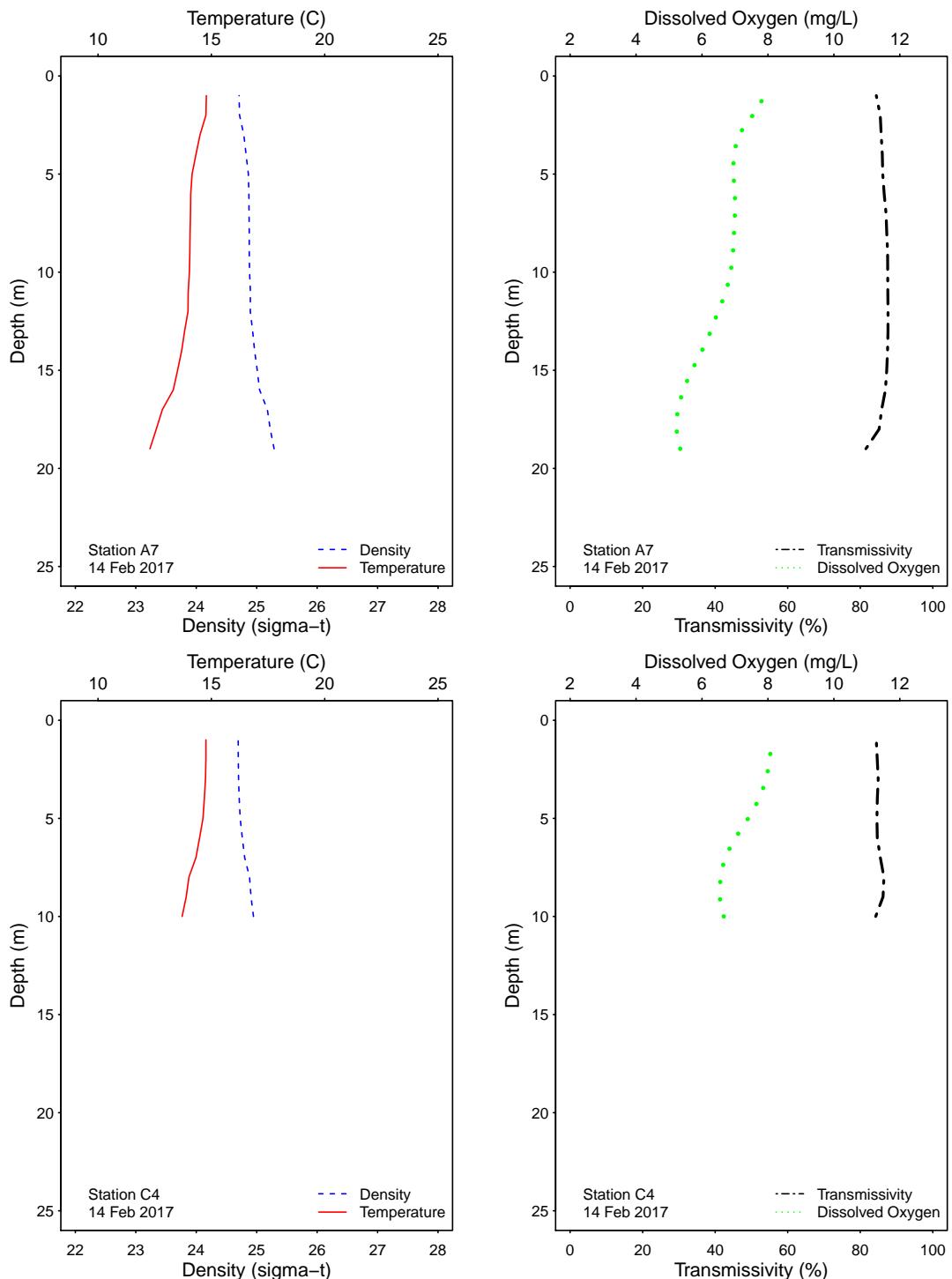


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

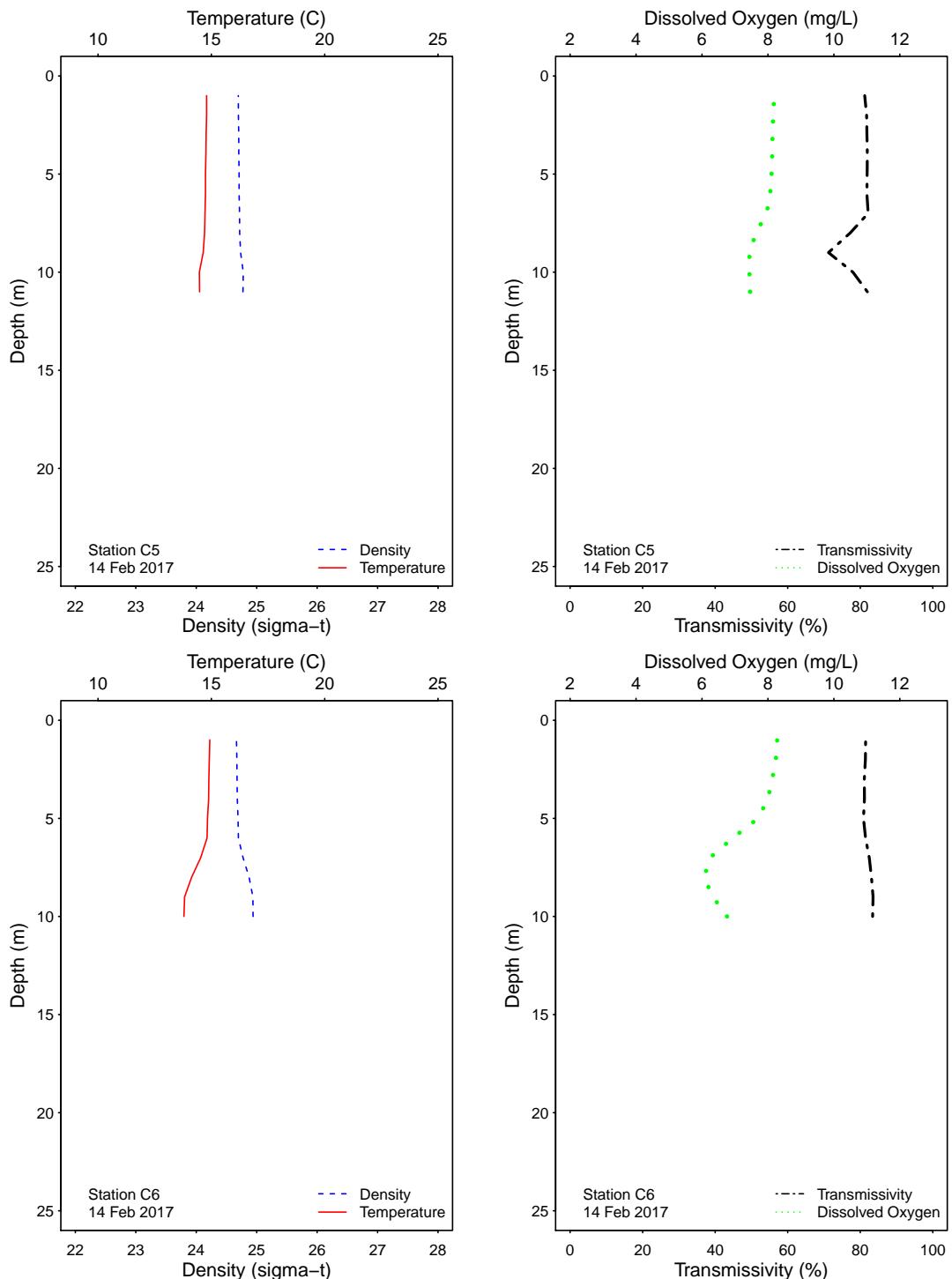


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

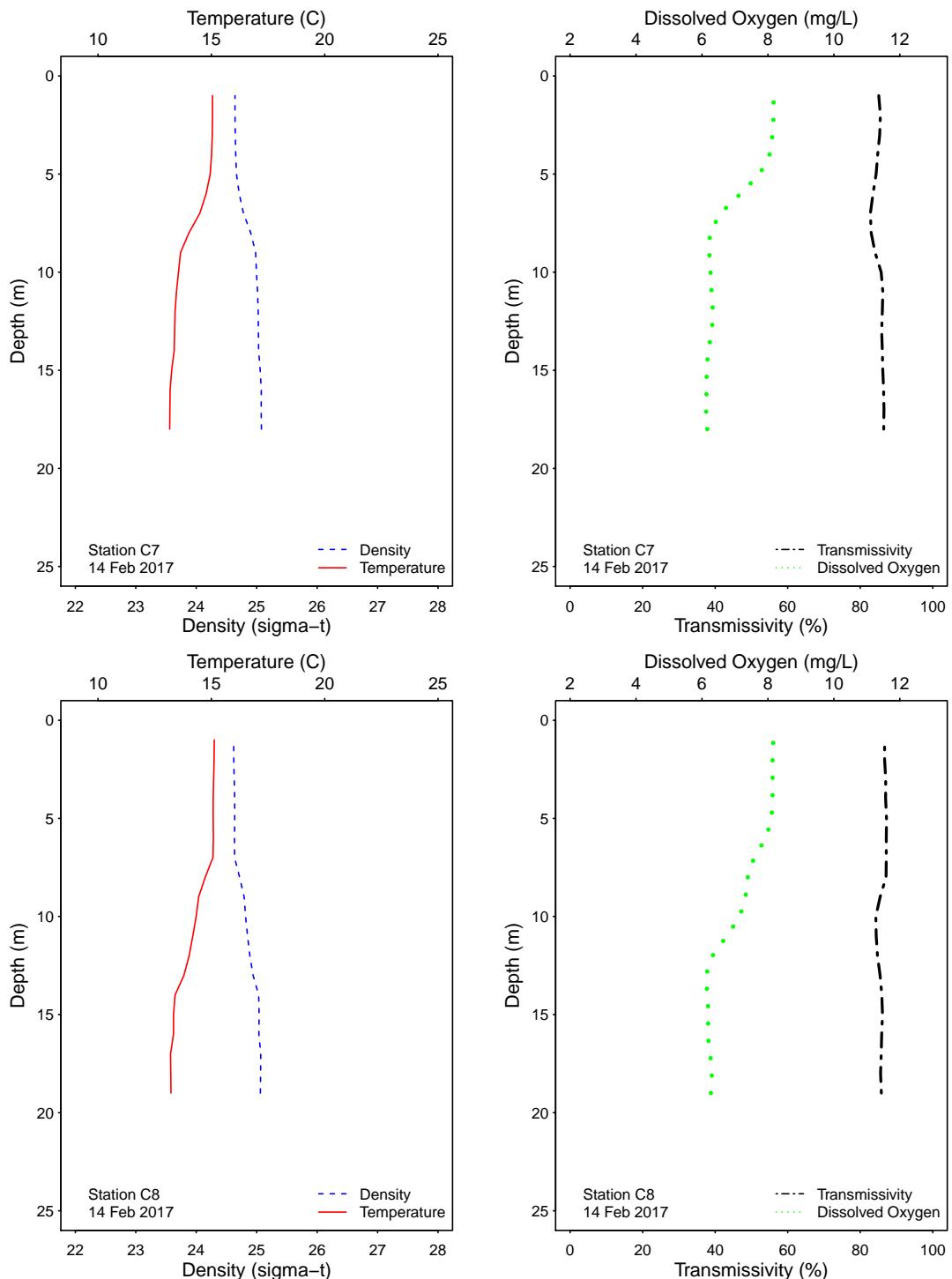


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

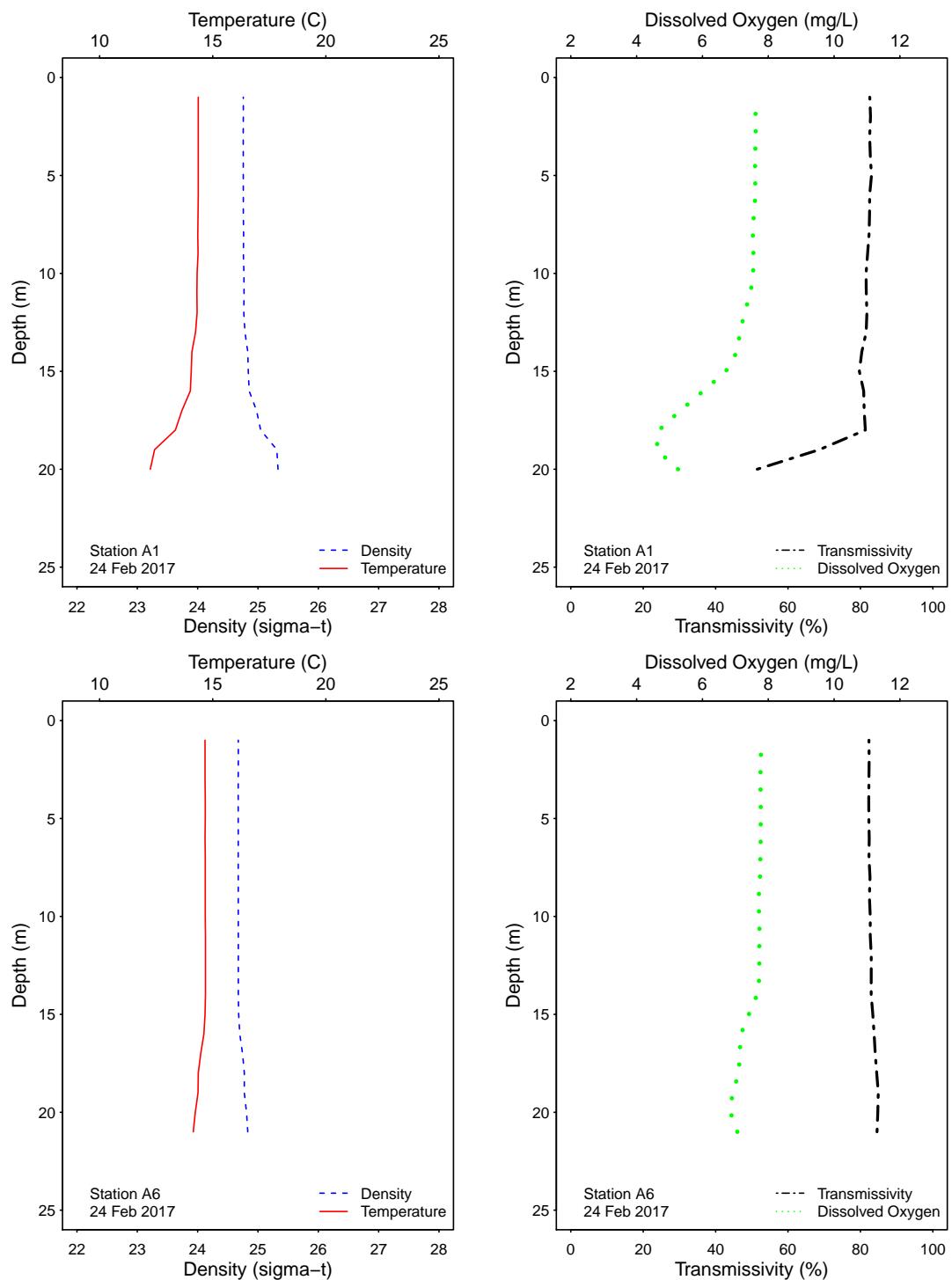


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

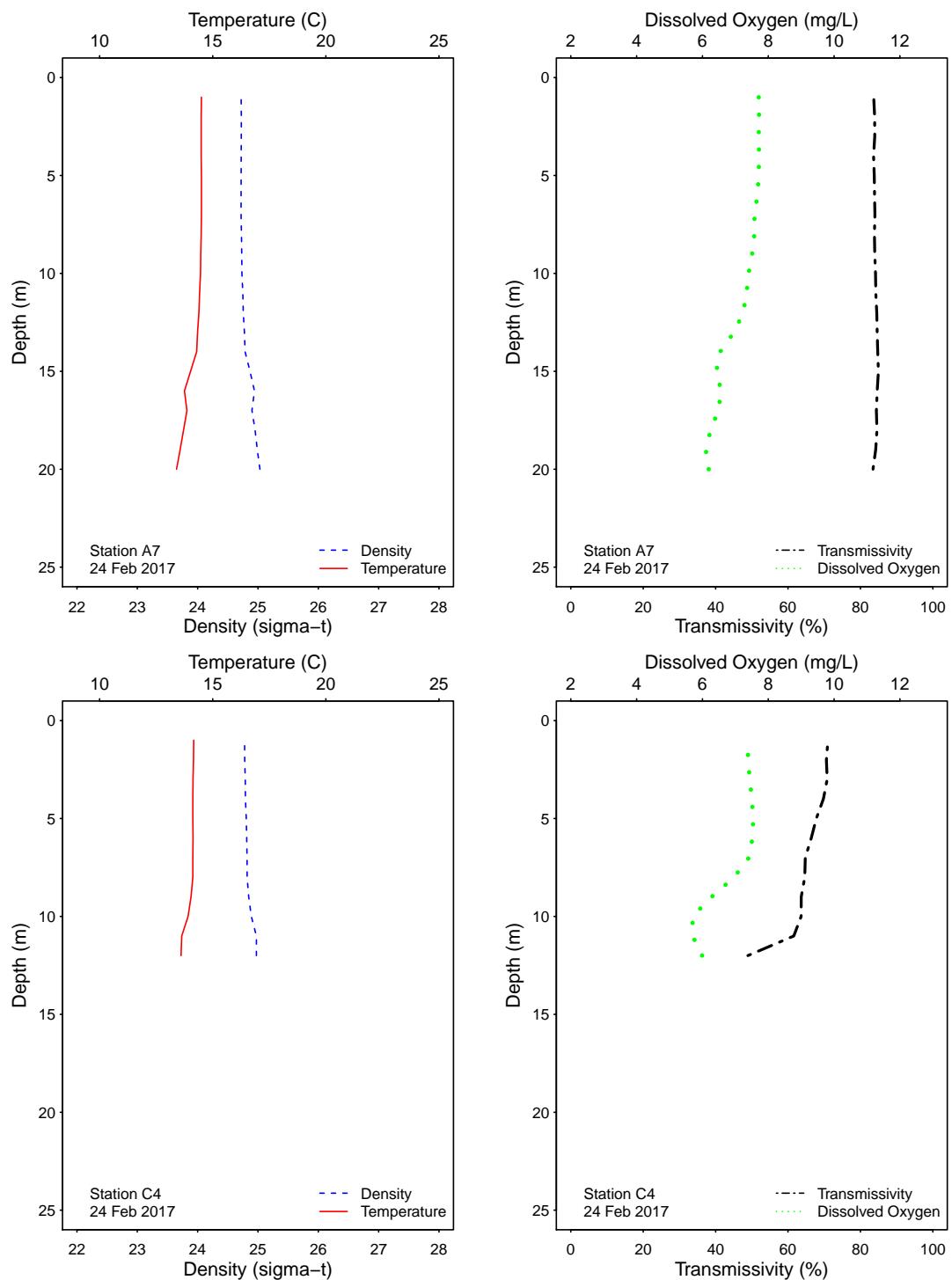


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

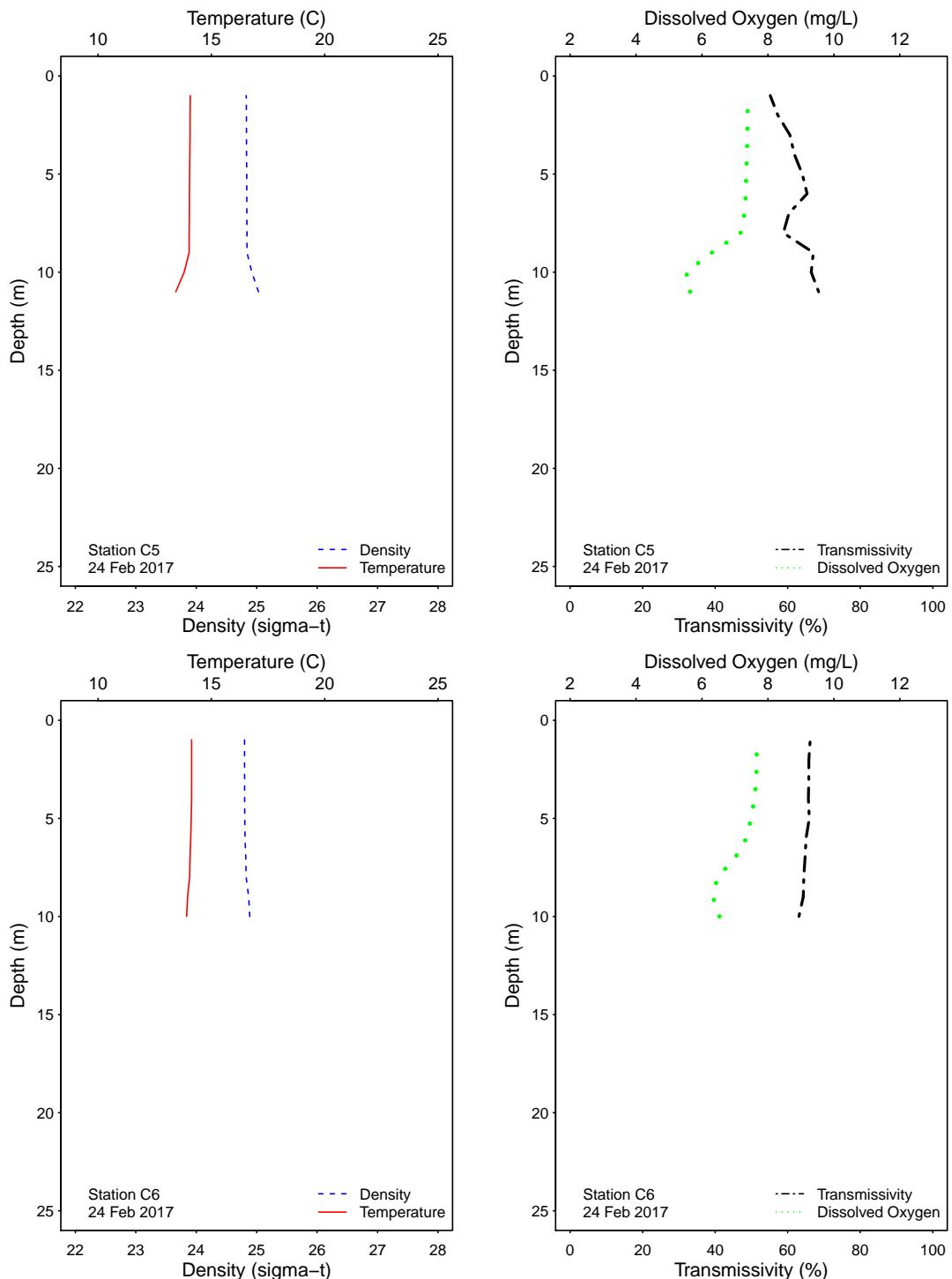


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

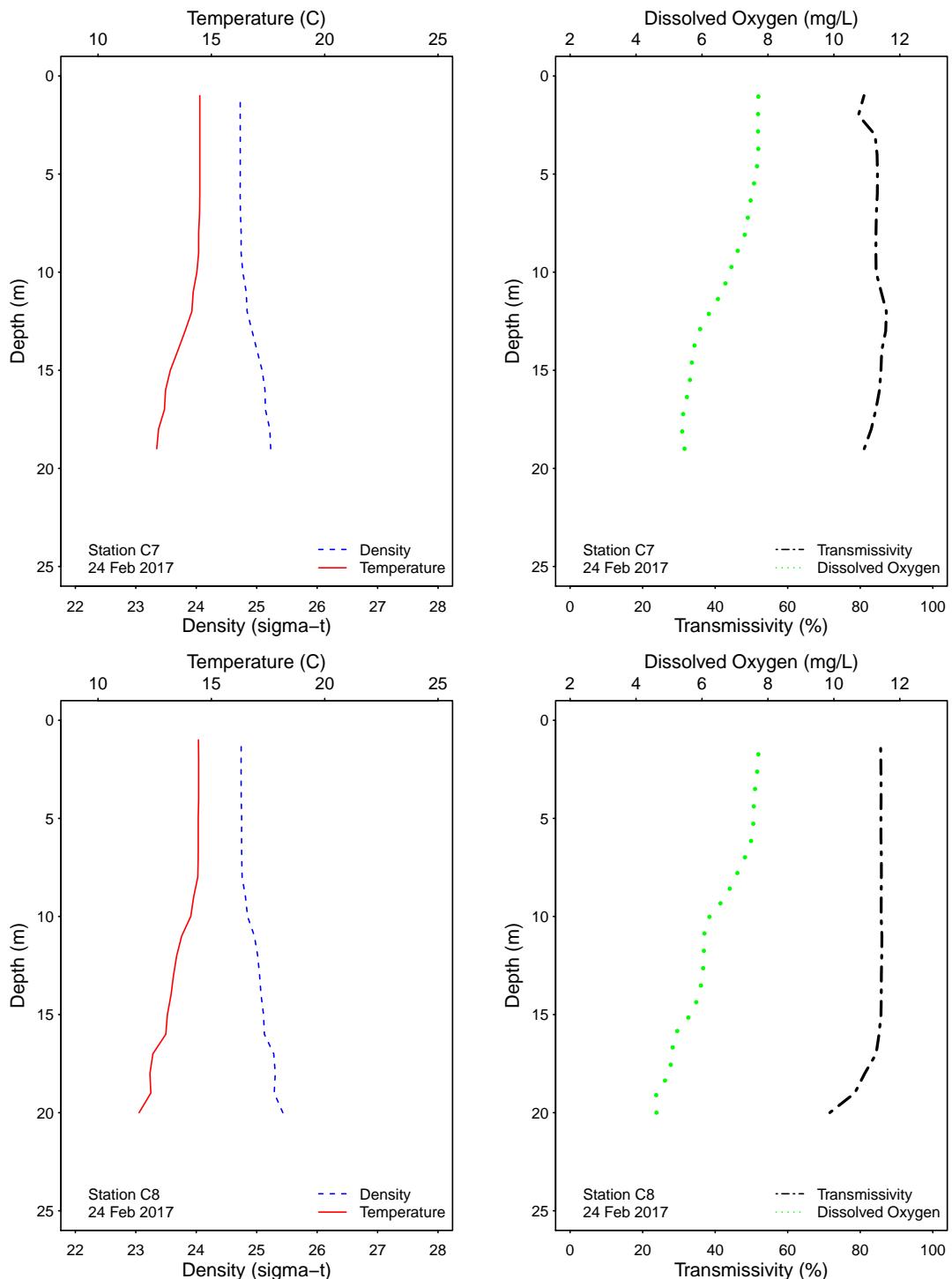


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

Offshore Stations

Table 4.1

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
01 Feb 2017	IC	ns	ns	ns											
02 Feb 2017	ns	IC	IC	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

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; ammonium (N-NH₃) values are reported as mg/L; 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	N-NH ₃	Temp	XMS	DO	Sal	pH
F01	01 Feb 2017	1234	1	<2	<0.01	14.34	74.47	8.1	33.15	8.1
F01	01 Feb 2017	1234	12	<2	<0.01	13.62	74.73	6.8	33.31	8.0
F01	01 Feb 2017	1234	18	<2	<0.01	13.50	64.76	6.5	33.33	8.0
F02	01 Feb 2017	851	1	2e	<0.01	14.67	77.77	8.4	33.13	8.1
F02	01 Feb 2017	851	12	<2	<0.01	14.40	84.26	7.9	33.21	8.1
F02	01 Feb 2017	851	18	<2	<0.01	14.08	83.75	7.2	33.29	8.1
F03	01 Feb 2017	912	1	<2	<0.01	14.74	77.66	8.5	33.12	8.1
F03	01 Feb 2017	912	12	2e	<0.01	14.33	73.74	8.0	33.22	8.1
F03	01 Feb 2017	912	18	6e	<0.01	13.77	69.64	7.0	33.32	8.0
F04	01 Feb 2017	1213	1	<2	ns	15.36	89.68	8.0	33.35	8.1
F04	01 Feb 2017	1213	25	<2	ns	14.66	90.17	7.8	33.34	8.1
F04	01 Feb 2017	1213	60	18e	ns	11.96	73.28	5.2	33.43	7.9
F05	01 Feb 2017	1158	1	<2	ns	15.17	89.02	8.2	33.31	8.1
F05	01 Feb 2017	1158	25	<2	ns	14.71	90.33	8.0	33.34	8.1
F05	01 Feb 2017	1158	60	<2	ns	12.58	79.00	5.5	33.38	7.9
F06	01 Feb 2017	1141	1	<2	<0.01	15.26	87.62	8.2	33.30	8.1
F06	01 Feb 2017	1141	25	<2	<0.01	14.23	89.55	7.4	33.35	8.1
F06	01 Feb 2017	1141	60	20e	<0.01	12.16	55.40	5.2	33.42	7.9
F07	01 Feb 2017	1123	1	<2	<0.01	15.15	85.02	8.2	33.29	8.1
F07	01 Feb 2017	1123	25	<2	<0.01	14.09	88.25	7.2	33.34	8.1
F07	01 Feb 2017	1123	60	32e	<0.01	11.62	70.66	5.0	33.47	7.9
F08	01 Feb 2017	1105	1	<2	<0.01	15.10	86.67	8.2	33.29	8.1
F08	01 Feb 2017	1105	25	<2	<0.01	13.65	83.83	6.7	33.34	8.0
F08	01 Feb 2017	1105	60	20e	<0.01	11.74	64.19	5.0	33.44	7.9
F09	01 Feb 2017	1050	1	<2	<0.01	15.15	86.40	8.2	33.27	8.1
F09	01 Feb 2017	1050	25	<2	<0.01	13.60	80.50	6.6	33.33	8.0
F09	01 Feb 2017	1050	60	24e	<0.01	11.95	67.69	5.1	33.43	7.9
F10	01 Feb 2017	1032	1	<2	<0.01	14.84	87.66	8.1	33.22	8.1
F10	01 Feb 2017	1032	25	<2	<0.01	14.42	85.65	7.7	33.27	8.1
F10	01 Feb 2017	1032	60	46	<0.01	11.72	63.55	5.0	33.45	7.9
F11	01 Feb 2017	1017	1	<2	<0.01	14.75	75.70	8.4	33.14	8.1
F11	01 Feb 2017	1017	25	<2	<0.01	14.01	78.73	7.1	33.27	8.1
F11	01 Feb 2017	1017	60	14e	<0.01	12.20	66.25	5.2	33.41	7.9
F12	01 Feb 2017	1002	1	<2	<0.01	14.72	85.47	8.2	33.24	8.1
F12	01 Feb 2017	1002	25	<2	<0.01	13.47	84.77	6.4	33.34	8.0
F12	01 Feb 2017	1002	60	14e	<0.01	12.29	75.16	5.3	33.40	7.9

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F13	01 Feb 2017	947	1	<2	<0.01	14.57	76.58	8.5	33.19	8.1
F13	01 Feb 2017	947	25	2e	<0.01	13.52	84.64	6.4	33.34	8.0
F13	01 Feb 2017	947	60	10e	<0.01	12.38	76.35	5.2	33.40	7.9
F14	01 Feb 2017	932	1	<2	<0.01	14.57	83.49	8.0	33.22	8.1
F14	01 Feb 2017	932	25	<2	<0.01	12.95	83.59	5.8	33.37	8.0
F14	01 Feb 2017	932	60	26e	<0.01	11.73	56.81	4.9	33.44	7.8
F15	02 Feb 2017	1149	1	<2	ns	15.04	90.68	8.0	33.32	8.1
F15	02 Feb 2017	1149	25	<2	ns	14.77	90.87	8.0	33.33	8.1
F15	02 Feb 2017	1149	60	10e	ns	11.35	85.61	5.0	33.49	7.8
F15	02 Feb 2017	1149	80	32e	ns	10.49	44.84	4.2	33.65	7.7
F16	02 Feb 2017	1136	1	<2	ns	15.01	89.72	8.0	33.33	8.1
F16	02 Feb 2017	1136	25	<2	ns	14.73	90.06	8.0	33.32	8.1
F16	02 Feb 2017	1136	60	12e	ns	10.96	85.74	4.8	33.55	7.8
F16	02 Feb 2017	1136	80	18e	ns	10.52	43.75	4.2	33.64	7.7
F17	02 Feb 2017	1105	1	2e	ns	14.92	90.16	7.9	33.32	8.1
F17	02 Feb 2017	1105	25	<2	ns	14.74	90.46	8.0	33.33	8.1
F17	02 Feb 2017	1105	60	26e	ns	11.01	84.77	4.7	33.55	7.8
F17	02 Feb 2017	1105	80	24e	ns	10.54	43.15	4.2	33.64	7.7
F18	02 Feb 2017	1050	1	<2	<0.01	14.91	89.34	8.1	33.31	8.1
F18	02 Feb 2017	1050	25	<2	<0.01	14.77	89.50	8.0	33.31	8.1
F18	02 Feb 2017	1050	60	2e	<0.01	11.39	85.74	5.0	33.50	7.8
F18	02 Feb 2017	1050	80	28e	<0.01	10.58	58.30	4.3	33.63	7.7
F19	02 Feb 2017	1034	1	<2	<0.01	14.85	88.54	8.1	33.30	8.1
F19	02 Feb 2017	1034	25	<2	<0.01	14.77	89.15	8.1	33.30	8.1
F19	02 Feb 2017	1034	60	4e	<0.01	12.07	87.15	5.4	33.43	7.9
F19	02 Feb 2017	1034	80	24e	<0.01	10.61	39.82	4.4	33.61	7.8
F20	02 Feb 2017	1021	1	<2	<0.01	14.78	89.79	8.1	33.31	8.1
F20	02 Feb 2017	1021	25	4e	<0.01	13.97	83.52	7.1	33.34	8.0
F20	02 Feb 2017	1021	60	2e	<0.01	12.43	85.19	5.6	33.39	7.9
F20	02 Feb 2017	1021	80	36e	<0.01	10.69	66.17	4.4	33.61	7.8
F21	02 Feb 2017	1005	1	<2	ns	14.91	86.12	8.1	33.24	8.1
F21	02 Feb 2017	1005	25	<2	ns	14.45	85.08	7.9	33.25	8.1
F21	02 Feb 2017	1005	60	2e	ns	12.40	73.99	5.3	33.40	7.9
F21	02 Feb 2017	1005	80	50	ns	10.19	55.92	4.0	33.75	7.7
F22	02 Feb 2017	950	1	<2	ns	14.70	84.03	8.1	33.22	8.1
F22	02 Feb 2017	950	25	2e	ns	14.01	87.09	7.0	33.32	8.0
F22	02 Feb 2017	950	60	8e	ns	12.20	78.75	5.3	33.41	7.8
F22	02 Feb 2017	950	80	14e	ns	10.44	47.40	4.0	33.70	7.7
F23	02 Feb 2017	935	1	<2	ns	14.72	85.19	8.2	33.23	8.1
F23	02 Feb 2017	935	25	<2	ns	13.19	87.73	6.2	33.35	7.9
F23	02 Feb 2017	935	60	26e	ns	12.02	79.05	5.2	33.43	7.8
F23	02 Feb 2017	935	80	12e	ns	10.07	57.45	3.8	33.78	7.7
F24	02 Feb 2017	919	1	2e	ns	14.63	84.22	8.1	33.22	8.1

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F24	02 Feb 2017	919	25	2e	ns	13.65	85.90	6.5	33.34	8.0
F24	02 Feb 2017	919	60	32e	ns	11.77	79.99	5.0	33.44	7.8
F24	02 Feb 2017	919	80	2e	ns	10.17	43.96	3.9	33.76	7.7
F25	02 Feb 2017	852	1	<2	ns	14.91	90.68	8.0	33.34	8.1
F25	02 Feb 2017	852	25	<2	ns	13.22	87.09	6.2	33.38	7.9
F25	02 Feb 2017	852	60	38e	ns	11.72	76.13	5.0	33.45	7.8
F25	02 Feb 2017	852	80	10e	ns	10.98	38.68	4.3	33.57	7.7
F26	03 Feb 2017	1210	1	<2	ns	15.01	84.43	8.6	33.23	8.2
F26	03 Feb 2017	1210	25	<2	ns	14.22	86.22	7.3	33.31	8.1
F26	03 Feb 2017	1210	60	2e	ns	11.00	89.64	5.0	33.53	7.8
F26	03 Feb 2017	1210	80	<2	ns	10.23	83.91	4.3	33.72	7.8
F26	03 Feb 2017	1210	98	<2	ns	9.94	70.81	3.9	33.80	7.8
F27	03 Feb 2017	1154	1	<2	ns	15.19	84.33	8.5	33.23	8.2
F27	03 Feb 2017	1154	25	<2	ns	13.54	87.41	6.5	33.36	8.0
F27	03 Feb 2017	1154	60	2e	ns	10.78	89.73	4.8	33.57	7.8
F27	03 Feb 2017	1154	80	4e	ns	10.36	85.12	4.4	33.68	7.8
F27	03 Feb 2017	1154	98	6e	ns	9.97	62.34	3.8	33.79	7.8
F28	03 Feb 2017	1139	1	<2	ns	15.22	89.89	8.0	33.34	8.1
F28	03 Feb 2017	1139	25	<2	ns	13.73	90.27	7.0	33.35	8.1
F28	03 Feb 2017	1139	60	<2	ns	11.39	90.37	5.1	33.48	7.9
F28	03 Feb 2017	1139	80	8e	ns	10.52	86.86	4.5	33.64	7.8
F28	03 Feb 2017	1139	98	4e	ns	10.00	66.88	3.9	33.77	7.8
F29	03 Feb 2017	1122	1	6e	ns	15.17	90.04	8.0	33.36	8.1
F29	03 Feb 2017	1122	25	<2	ns	14.77	89.16	7.9	33.35	8.1
F29	03 Feb 2017	1122	60	<2	ns	11.31	88.44	5.2	33.48	7.9
F29	03 Feb 2017	1122	80	6e	ns	10.21	82.54	4.2	33.71	7.8
F29	03 Feb 2017	1122	98	20e	ns	10.11	54.31	4.0	33.74	7.8
F30	03 Feb 2017	1104	1	<2	ns	14.92	88.68	8.1	33.30	8.1
F30	03 Feb 2017	1104	25	<2	ns	14.84	90.12	8.0	33.33	8.1
F30	03 Feb 2017	1104	60	2e	ns	11.37	86.36	5.1	33.48	7.9
F30	03 Feb 2017	1104	80	120e	ns	10.31	66.19	4.1	33.61	7.8
F30	03 Feb 2017	1104	98	100	ns	10.01	48.20	3.8	33.76	7.8
F31	03 Feb 2017	1047	1	<2	ns	14.88	83.85	8.2	33.25	8.1
F31	03 Feb 2017	1047	25	2e	ns	14.87	89.34	8.0	33.34	8.1
F31	03 Feb 2017	1047	60	4e	ns	11.75	83.25	5.4	33.44	7.9
F31	03 Feb 2017	1047	80	110	ns	10.34	68.58	4.2	33.66	7.8
F31	03 Feb 2017	1047	98	54	ns	9.96	47.62	3.7	33.80	7.8
F32	03 Feb 2017	1031	1	<2	ns	14.95	89.14	8.0	33.33	8.1
F32	03 Feb 2017	1031	25	<2	ns	14.71	88.75	7.9	33.32	8.1
F32	03 Feb 2017	1031	60	6e	ns	12.33	76.67	5.3	33.41	7.9
F32	03 Feb 2017	1031	80	62	ns	10.44	74.43	4.3	33.60	7.8
F32	03 Feb 2017	1031	98	14e	ns	9.89	75.92	3.8	33.82	7.8
F33	03 Feb 2017	1014	1	<2	ns	9.74	60.39	3.5	33.90	7.7
F33	03 Feb 2017	1014	25	<2	ns	14.28	82.74	7.5	33.30	8.1
F33	03 Feb 2017	1014	60	8e	ns	12.47	76.44	5.4	33.40	7.9
F33	03 Feb 2017	1014	80	76	ns	10.50	76.10	4.4	33.63	7.8

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F33	03 Feb 2017	1014	98	14e	ns	9.78	72.50	3.7	33.86	7.7
F34	03 Feb 2017	954	1	<2	ns	14.85	84.57	8.8	33.17	8.2
F34	03 Feb 2017	954	25	<2	ns	13.83	84.12	6.9	33.32	8.1
F34	03 Feb 2017	954	60	8e	ns	12.18	79.00	5.3	33.41	7.9
F34	03 Feb 2017	954	80	28e	ns	10.74	77.00	4.4	33.60	7.8
F34	03 Feb 2017	954	98	8e	ns	9.70	78.06	3.6	33.90	7.7
F35	03 Feb 2017	938	1	<2	ns	14.85	87.93	8.1	33.25	8.1
F35	03 Feb 2017	938	25	<2	ns	14.37	90.63	7.8	33.33	8.1
F35	03 Feb 2017	938	60	16e	ns	11.89	82.56	5.2	33.43	7.9
F35	03 Feb 2017	938	80	30e	ns	10.89	70.58	4.4	33.59	7.8
F35	03 Feb 2017	938	98	4e	ns	9.82	58.77	3.6	33.88	7.7
F36	03 Feb 2017	917	1	<2	ns	14.91	89.07	8.1	33.25	8.1
F36	03 Feb 2017	917	25	<2	ns	14.68	91.07	7.8	33.33	8.1
F36	03 Feb 2017	917	60	10e	ns	11.76	85.55	5.3	33.44	7.9
F36	03 Feb 2017	917	80	<2	ns	10.47	78.41	4.5	33.66	7.8
F36	03 Feb 2017	917	98	<2	ns	9.86	72.35	3.7	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	01 Feb 2017	Depth (m)	18
F01	01 Feb 2017	Arrive Time	1234
F01	01 Feb 2017	Depart Time	1238
F01	01 Feb 2017	Air Temp (C)	13
F01	01 Feb 2017	Weather	Haze
F01	01 Feb 2017	Visibility (mi)	9
F01	01 Feb 2017	Wind Speed (kts)	4
F01	01 Feb 2017	Wind Dir	SW
F01	01 Feb 2017	Water Color	Bluish-Green
F01	01 Feb 2017	Wave Ht Low (ft)	2
F01	01 Feb 2017	Wave Period (sec)	13
F01	01 Feb 2017	Sea State	Calm
F01	01 Feb 2017	High Tide (ft)	4.3
F01	01 Feb 2017	High Tide Time	1126
F01	01 Feb 2017	Low Tide (ft)	1.4
F01	01 Feb 2017	Low Tide Time	542
F01	01 Feb 2017	Comments	
F02	01 Feb 2017	Depth (m)	20
F02	01 Feb 2017	Arrive Time	851
F02	01 Feb 2017	Depart Time	859
F02	01 Feb 2017	Air Temp (C)	9
F02	01 Feb 2017	Weather	Fog
F02	01 Feb 2017	Visibility (mi)	1
F02	01 Feb 2017	Wind Speed (kts)	3
F02	01 Feb 2017	Wind Dir	N
F02	01 Feb 2017	Water Color	Greenish-Blue
F02	01 Feb 2017	Wave Ht Low (ft)	2
F02	01 Feb 2017	Wave Period (sec)	13
F02	01 Feb 2017	Sea State	Calm
F02	01 Feb 2017	High Tide (ft)	4.3
F02	01 Feb 2017	High Tide Time	1126
F02	01 Feb 2017	Low Tide (ft)	1.4
F02	01 Feb 2017	Low Tide Time	542
F02	01 Feb 2017	Comments	
F03	01 Feb 2017	Depth (m)	19
F03	01 Feb 2017	Arrive Time	912
F03	01 Feb 2017	Depart Time	917
F03	01 Feb 2017	Air Temp (C)	9
F03	01 Feb 2017	Weather	Fog
F03	01 Feb 2017	Visibility (mi)	1
F03	01 Feb 2017	Wind Speed (kts)	1
F03	01 Feb 2017	Wind Dir	S
F03	01 Feb 2017	Water Color	Greenish-Blue
F03	01 Feb 2017	Wave Ht Low (ft)	2
F03	01 Feb 2017	Wave Period (sec)	13
F03	01 Feb 2017	Sea State	Calm
F03	01 Feb 2017	High Tide (ft)	4.3
F03	01 Feb 2017	High Tide Time	1126
F03	01 Feb 2017	Low Tide (ft)	1.4

Station	Date	Parameter	Value
F03	01 Feb 2017	Low Tide Time	542
F03	01 Feb 2017	Comments	
F04	01 Feb 2017	Depth (m)	61
F04	01 Feb 2017	Arrive Time	1213
F04	01 Feb 2017	Depart Time	1217
F04	01 Feb 2017	Air Temp (C)	12
F04	01 Feb 2017	Weather	Haze
F04	01 Feb 2017	Visibility (mi)	9
F04	01 Feb 2017	Wind Speed (kts)	4
F04	01 Feb 2017	Wind Dir	E
F04	01 Feb 2017	Water Color	Bluish-Green
F04	01 Feb 2017	Wave Ht Low (ft)	2
F04	01 Feb 2017	Wave Period (sec)	13
F04	01 Feb 2017	Sea State	Calm
F04	01 Feb 2017	High Tide (ft)	4.3
F04	01 Feb 2017	High Tide Time	1126
F04	01 Feb 2017	Low Tide (ft)	1.4
F04	01 Feb 2017	Low Tide Time	542
F04	01 Feb 2017	Comments	
F05	01 Feb 2017	Depth (m)	61
F05	01 Feb 2017	Arrive Time	1158
F05	01 Feb 2017	Depart Time	1202
F05	01 Feb 2017	Air Temp (C)	12
F05	01 Feb 2017	Weather	Haze
F05	01 Feb 2017	Visibility (mi)	8
F05	01 Feb 2017	Wind Speed (kts)	3
F05	01 Feb 2017	Wind Dir	NE
F05	01 Feb 2017	Water Color	Greenish-Blue
F05	01 Feb 2017	Wave Ht Low (ft)	2
F05	01 Feb 2017	Wave Period (sec)	13
F05	01 Feb 2017	Sea State	Calm
F05	01 Feb 2017	High Tide (ft)	4.3
F05	01 Feb 2017	High Tide Time	1126
F05	01 Feb 2017	Low Tide (ft)	1.4
F05	01 Feb 2017	Low Tide Time	542
F05	01 Feb 2017	Comments	
F06	01 Feb 2017	Depth (m)	62
F06	01 Feb 2017	Arrive Time	1141
F06	01 Feb 2017	Depart Time	1146
F06	01 Feb 2017	Air Temp (C)	12
F06	01 Feb 2017	Weather	Haze
F06	01 Feb 2017	Visibility (mi)	6
F06	01 Feb 2017	Wind Speed (kts)	4
F06	01 Feb 2017	Wind Dir	E
F06	01 Feb 2017	Water Color	Greenish-Blue
F06	01 Feb 2017	Wave Ht Low (ft)	2
F06	01 Feb 2017	Wave Period (sec)	13
F06	01 Feb 2017	Sea State	Calm
F06	01 Feb 2017	High Tide (ft)	4.3
F06	01 Feb 2017	High Tide Time	1126
F06	01 Feb 2017	Low Tide (ft)	1.4
F06	01 Feb 2017	Low Tide Time	542

Station	Date	Parameter	Value
F06	01 Feb 2017	Comments	
F07	01 Feb 2017	Depth (m)	61
F07	01 Feb 2017	Arrive Time	1123
F07	01 Feb 2017	Depart Time	1127
F07	01 Feb 2017	Air Temp (C)	12
F07	01 Feb 2017	Weather	Haze
F07	01 Feb 2017	Visibility (mi)	6
F07	01 Feb 2017	Wind Speed (kts)	3
F07	01 Feb 2017	Wind Dir	W
F07	01 Feb 2017	Water Color	Greenish-Blue
F07	01 Feb 2017	Wave Ht Low (ft)	2
F07	01 Feb 2017	Wave Period (sec)	13
F07	01 Feb 2017	Sea State	Calm
F07	01 Feb 2017	High Tide (ft)	4.3
F07	01 Feb 2017	High Tide Time	1126
F07	01 Feb 2017	Low Tide (ft)	1.4
F07	01 Feb 2017	Low Tide Time	542
F07	01 Feb 2017	Comments	
F08	01 Feb 2017	Depth (m)	61
F08	01 Feb 2017	Arrive Time	1105
F08	01 Feb 2017	Depart Time	1110
F08	01 Feb 2017	Air Temp (C)	11
F08	01 Feb 2017	Weather	Haze
F08	01 Feb 2017	Visibility (mi)	4
F08	01 Feb 2017	Wind Speed (kts)	3
F08	01 Feb 2017	Wind Dir	S
F08	01 Feb 2017	Water Color	Green
F08	01 Feb 2017	Wave Ht Low (ft)	2
F08	01 Feb 2017	Wave Period (sec)	13
F08	01 Feb 2017	Sea State	Calm
F08	01 Feb 2017	High Tide (ft)	4.3
F08	01 Feb 2017	High Tide Time	1126
F08	01 Feb 2017	Low Tide (ft)	1.4
F08	01 Feb 2017	Low Tide Time	542
F08	01 Feb 2017	Comments	
F09	01 Feb 2017	Depth (m)	63
F09	01 Feb 2017	Arrive Time	1050
F09	01 Feb 2017	Depart Time	1054
F09	01 Feb 2017	Air Temp (C)	11
F09	01 Feb 2017	Weather	Haze
F09	01 Feb 2017	Visibility (mi)	4
F09	01 Feb 2017	Wind Speed (kts)	1
F09	01 Feb 2017	Wind Dir	N
F09	01 Feb 2017	Water Color	Green
F09	01 Feb 2017	Wave Ht Low (ft)	2
F09	01 Feb 2017	Wave Period (sec)	13
F09	01 Feb 2017	Sea State	Calm
F09	01 Feb 2017	High Tide (ft)	4.3
F09	01 Feb 2017	High Tide Time	1126
F09	01 Feb 2017	Low Tide (ft)	1.4
F09	01 Feb 2017	Low Tide Time	542
F09	01 Feb 2017	Comments	

Station	Date	Parameter	Value
F10	01 Feb 2017	Depth (m)	62
F10	01 Feb 2017	Arrive Time	1032
F10	01 Feb 2017	Depart Time	1036
F10	01 Feb 2017	Air Temp (C)	12
F10	01 Feb 2017	Weather	Haze
F10	01 Feb 2017	Visibility (mi)	4
F10	01 Feb 2017	Wind Speed (kts)	2
F10	01 Feb 2017	Wind Dir	E
F10	01 Feb 2017	Water Color	Greenish-Brown
F10	01 Feb 2017	Wave Ht Low (ft)	2
F10	01 Feb 2017	Wave Period (sec)	13
F10	01 Feb 2017	Sea State	Calm
F10	01 Feb 2017	High Tide (ft)	4.3
F10	01 Feb 2017	High Tide Time	1126
F10	01 Feb 2017	Low Tide (ft)	1.4
F10	01 Feb 2017	Low Tide Time	542
F10	01 Feb 2017	Comments	
F11	01 Feb 2017	Depth (m)	61
F11	01 Feb 2017	Arrive Time	1017
F11	01 Feb 2017	Depart Time	1022
F11	01 Feb 2017	Air Temp (C)	11
F11	01 Feb 2017	Weather	Fog
F11	01 Feb 2017	Visibility (mi)	1
F11	01 Feb 2017	Wind Speed (kts)	0
F11	01 Feb 2017	Wind Dir	
F11	01 Feb 2017	Water Color	Greenish-Brown
F11	01 Feb 2017	Wave Ht Low (ft)	2
F11	01 Feb 2017	Wave Period (sec)	13
F11	01 Feb 2017	Sea State	Calm
F11	01 Feb 2017	High Tide (ft)	4.3
F11	01 Feb 2017	High Tide Time	1126
F11	01 Feb 2017	Low Tide (ft)	1.4
F11	01 Feb 2017	Low Tide Time	542
F11	01 Feb 2017	Comments	
F12	01 Feb 2017	Depth (m)	62
F12	01 Feb 2017	Arrive Time	1002
F12	01 Feb 2017	Depart Time	1007
F12	01 Feb 2017	Air Temp (C)	10
F12	01 Feb 2017	Weather	Fog
F12	01 Feb 2017	Visibility (mi)	1
F12	01 Feb 2017	Wind Speed (kts)	0
F12	01 Feb 2017	Wind Dir	
F12	01 Feb 2017	Water Color	Greenish-Blue
F12	01 Feb 2017	Wave Ht Low (ft)	2
F12	01 Feb 2017	Wave Period (sec)	13
F12	01 Feb 2017	Sea State	Calm
F12	01 Feb 2017	High Tide (ft)	4.3
F12	01 Feb 2017	High Tide Time	1126
F12	01 Feb 2017	Low Tide (ft)	1.4
F12	01 Feb 2017	Low Tide Time	542
F12	01 Feb 2017	Comments	

Station	Date	Parameter	Value
F13	01 Feb 2017	Depth (m)	61
F13	01 Feb 2017	Arrive Time	947
F13	01 Feb 2017	Depart Time	952
F13	01 Feb 2017	Air Temp (C)	10
F13	01 Feb 2017	Weather	Fog
F13	01 Feb 2017	Visibility (mi)	1
F13	01 Feb 2017	Wind Speed (kts)	0
F13	01 Feb 2017	Wind Dir	
F13	01 Feb 2017	Water Color	Greenish-Blue
F13	01 Feb 2017	Wave Ht Low (ft)	2
F13	01 Feb 2017	Wave Period (sec)	13
F13	01 Feb 2017	Sea State	Calm
F13	01 Feb 2017	High Tide (ft)	4.3
F13	01 Feb 2017	High Tide Time	1126
F13	01 Feb 2017	Low Tide (ft)	1.4
F13	01 Feb 2017	Low Tide Time	542
F13	01 Feb 2017	Comments	
F14	01 Feb 2017	Depth (m)	61
F14	01 Feb 2017	Arrive Time	932
F14	01 Feb 2017	Depart Time	937
F14	01 Feb 2017	Air Temp (C)	10
F14	01 Feb 2017	Weather	Fog
F14	01 Feb 2017	Visibility (mi)	1
F14	01 Feb 2017	Wind Speed (kts)	3
F14	01 Feb 2017	Wind Dir	W
F14	01 Feb 2017	Water Color	Greenish-Blue
F14	01 Feb 2017	Wave Ht Low (ft)	2
F14	01 Feb 2017	Wave Period (sec)	13
F14	01 Feb 2017	Sea State	Calm
F14	01 Feb 2017	High Tide (ft)	4.3
F14	01 Feb 2017	High Tide Time	1126
F14	01 Feb 2017	Low Tide (ft)	1.4
F14	01 Feb 2017	Low Tide Time	542
F14	01 Feb 2017	Comments	
F15	02 Feb 2017	Depth (m)	81
F15	02 Feb 2017	Arrive Time	1149
F15	02 Feb 2017	Depart Time	1153
F15	02 Feb 2017	Air Temp (C)	15
F15	02 Feb 2017	Weather	Partly Cloudy
F15	02 Feb 2017	Visibility (mi)	8
F15	02 Feb 2017	Wind Speed (kts)	5
F15	02 Feb 2017	Wind Dir	S
F15	02 Feb 2017	Water Color	Greenish-Blue
F15	02 Feb 2017	Wave Ht Low (ft)	3
F15	02 Feb 2017	Wave Period (sec)	13
F15	02 Feb 2017	Sea State	Calm
F15	02 Feb 2017	High Tide (ft)	3.6
F15	02 Feb 2017	High Tide Time	1230
F15	02 Feb 2017	Low Tide (ft)	1.5
F15	02 Feb 2017	Low Tide Time	654
F15	02 Feb 2017	Comments	
F16	02 Feb 2017	Depth (m)	82

Station	Date	Parameter	Value
F16	02 Feb 2017	Arrive Time	1136
F16	02 Feb 2017	Depart Time	1141
F16	02 Feb 2017	Air Temp (C)	14
F16	02 Feb 2017	Weather	Partly Cloudy
F16	02 Feb 2017	Visibility (mi)	8
F16	02 Feb 2017	Wind Speed (kts)	6
F16	02 Feb 2017	Wind Dir	N
F16	02 Feb 2017	Water Color	Brownish-Green
F16	02 Feb 2017	Wave Ht Low (ft)	3
F16	02 Feb 2017	Wave Period (sec)	13
F16	02 Feb 2017	Sea State	Calm
F16	02 Feb 2017	High Tide (ft)	3.6
F16	02 Feb 2017	High Tide Time	1230
F16	02 Feb 2017	Low Tide (ft)	1.5
F16	02 Feb 2017	Low Tide Time	654
F16	02 Feb 2017	Comments	
F17	02 Feb 2017	Depth (m)	82
F17	02 Feb 2017	Arrive Time	1105
F17	02 Feb 2017	Depart Time	1109
F17	02 Feb 2017	Air Temp (C)	14
F17	02 Feb 2017	Weather	Partly Cloudy
F17	02 Feb 2017	Visibility (mi)	8
F17	02 Feb 2017	Wind Speed (kts)	7
F17	02 Feb 2017	Wind Dir	NE
F17	02 Feb 2017	Water Color	Brownish-Green
F17	02 Feb 2017	Wave Ht Low (ft)	3
F17	02 Feb 2017	Wave Period (sec)	13
F17	02 Feb 2017	Sea State	Calm
F17	02 Feb 2017	High Tide (ft)	3.6
F17	02 Feb 2017	High Tide Time	1230
F17	02 Feb 2017	Low Tide (ft)	1.5
F17	02 Feb 2017	Low Tide Time	654
F17	02 Feb 2017	Comments	
F18	02 Feb 2017	Depth (m)	81
F18	02 Feb 2017	Arrive Time	1050
F18	02 Feb 2017	Depart Time	1056
F18	02 Feb 2017	Air Temp (C)	14
F18	02 Feb 2017	Weather	Partly Cloudy
F18	02 Feb 2017	Visibility (mi)	8
F18	02 Feb 2017	Wind Speed (kts)	6
F18	02 Feb 2017	Wind Dir	N
F18	02 Feb 2017	Water Color	Brownish-Green
F18	02 Feb 2017	Wave Ht Low (ft)	3
F18	02 Feb 2017	Wave Period (sec)	13
F18	02 Feb 2017	Sea State	Calm
F18	02 Feb 2017	High Tide (ft)	3.6
F18	02 Feb 2017	High Tide Time	1230
F18	02 Feb 2017	Low Tide (ft)	1.5
F18	02 Feb 2017	Low Tide Time	654
F18	02 Feb 2017	Comments	
F19	02 Feb 2017	Depth (m)	83
F19	02 Feb 2017	Arrive Time	1034

Station	Date	Parameter	Value
F19	02 Feb 2017	Depart Time	1041
F19	02 Feb 2017	Air Temp (C)	14
F19	02 Feb 2017	Weather	Partly Cloudy
F19	02 Feb 2017	Visibility (mi)	8
F19	02 Feb 2017	Wind Speed (kts)	7
F19	02 Feb 2017	Wind Dir	S
F19	02 Feb 2017	Water Color	Brownish-Green
F19	02 Feb 2017	Wave Ht Low (ft)	3
F19	02 Feb 2017	Wave Period (sec)	13
F19	02 Feb 2017	Sea State	Calm
F19	02 Feb 2017	High Tide (ft)	3.6
F19	02 Feb 2017	High Tide Time	1230
F19	02 Feb 2017	Low Tide (ft)	1.5
F19	02 Feb 2017	Low Tide Time	654
F19	02 Feb 2017	Comments	
F20	02 Feb 2017	Depth (m)	82
F20	02 Feb 2017	Arrive Time	1021
F20	02 Feb 2017	Depart Time	1026
F20	02 Feb 2017	Air Temp (C)	14
F20	02 Feb 2017	Weather	Partly Cloudy
F20	02 Feb 2017	Visibility (mi)	8
F20	02 Feb 2017	Wind Speed (kts)	6
F20	02 Feb 2017	Wind Dir	N
F20	02 Feb 2017	Water Color	Brownish-Green
F20	02 Feb 2017	Wave Ht Low (ft)	3
F20	02 Feb 2017	Wave Period (sec)	13
F20	02 Feb 2017	Sea State	Calm
F20	02 Feb 2017	High Tide (ft)	3.6
F20	02 Feb 2017	High Tide Time	1230
F20	02 Feb 2017	Low Tide (ft)	1.5
F20	02 Feb 2017	Low Tide Time	654
F20	02 Feb 2017	Comments	
F21	02 Feb 2017	Depth (m)	83
F21	02 Feb 2017	Arrive Time	1005
F21	02 Feb 2017	Depart Time	1012
F21	02 Feb 2017	Air Temp (C)	14
F21	02 Feb 2017	Weather	Partly Cloudy
F21	02 Feb 2017	Visibility (mi)	8
F21	02 Feb 2017	Wind Speed (kts)	5
F21	02 Feb 2017	Wind Dir	NE
F21	02 Feb 2017	Water Color	Brownish-Green
F21	02 Feb 2017	Wave Ht Low (ft)	3
F21	02 Feb 2017	Wave Period (sec)	13
F21	02 Feb 2017	Sea State	Calm
F21	02 Feb 2017	High Tide (ft)	3.6
F21	02 Feb 2017	High Tide Time	1230
F21	02 Feb 2017	Low Tide (ft)	1.5
F21	02 Feb 2017	Low Tide Time	654
F21	02 Feb 2017	Comments	
F22	02 Feb 2017	Depth (m)	81
F22	02 Feb 2017	Arrive Time	950
F22	02 Feb 2017	Depart Time	958

Station	Date	Parameter	Value
F22	02 Feb 2017	Air Temp (C)	13
F22	02 Feb 2017	Weather	Partly Cloudy
F22	02 Feb 2017	Visibility (mi)	8
F22	02 Feb 2017	Wind Speed (kts)	7
F22	02 Feb 2017	Wind Dir	SW
F22	02 Feb 2017	Water Color	Brownish-Green
F22	02 Feb 2017	Wave Ht Low (ft)	3
F22	02 Feb 2017	Wave Period (sec)	13
F22	02 Feb 2017	Sea State	Calm
F22	02 Feb 2017	High Tide (ft)	3.6
F22	02 Feb 2017	High Tide Time	1230
F22	02 Feb 2017	Low Tide (ft)	1.5
F22	02 Feb 2017	Low Tide Time	654
F22	02 Feb 2017	Comments	
F24	02 Feb 2017	Depth (m)	80
F24	02 Feb 2017	Arrive Time	919
F24	02 Feb 2017	Depart Time	926
F24	02 Feb 2017	Air Temp (C)	13
F24	02 Feb 2017	Weather	Partly Cloudy
F24	02 Feb 2017	Visibility (mi)	8
F24	02 Feb 2017	Wind Speed (kts)	7
F24	02 Feb 2017	Wind Dir	SW
F24	02 Feb 2017	Water Color	Brownish-Green
F24	02 Feb 2017	Wave Ht Low (ft)	3
F24	02 Feb 2017	Wave Period (sec)	13
F24	02 Feb 2017	Sea State	Calm
F24	02 Feb 2017	High Tide (ft)	3.6
F24	02 Feb 2017	High Tide Time	1230
F24	02 Feb 2017	Low Tide (ft)	1.5
F24	02 Feb 2017	Low Tide Time	654
F24	02 Feb 2017	Comments	
F25	02 Feb 2017	Depth (m)	81
F25	02 Feb 2017	Arrive Time	852
F25	02 Feb 2017	Depart Time	902
F25	02 Feb 2017	Air Temp (C)	13
F25	02 Feb 2017	Weather	Partly Cloudy
F25	02 Feb 2017	Visibility (mi)	8
F25	02 Feb 2017	Wind Speed (kts)	7
F25	02 Feb 2017	Wind Dir	SE
F25	02 Feb 2017	Water Color	Brownish-Green
F25	02 Feb 2017	Wave Ht Low (ft)	3
F25	02 Feb 2017	Wave Period (sec)	13
F25	02 Feb 2017	Sea State	Calm
F25	02 Feb 2017	High Tide (ft)	3.6
F25	02 Feb 2017	High Tide Time	1230
F25	02 Feb 2017	Low Tide (ft)	1.5
F25	02 Feb 2017	Low Tide Time	654
F25	02 Feb 2017	Comments	
F26	03 Feb 2017	Depth (m)	98
F26	03 Feb 2017	Arrive Time	1210
F26	03 Feb 2017	Depart Time	1225
F26	03 Feb 2017	Air Temp (C)	15

Station	Date	Parameter	Value
F26	03 Feb 2017	Weather	Overcast
F26	03 Feb 2017	Visibility (mi)	10
F26	03 Feb 2017	Wind Speed (kts)	0
F26	03 Feb 2017	Wind Dir	
F26	03 Feb 2017	Water Color	Blue
F26	03 Feb 2017	Wave Ht Low (ft)	6
F26	03 Feb 2017	Wave Period (sec)	13
F26	03 Feb 2017	Sea State	Wind ripples
F26	03 Feb 2017	High Tide (ft)	3.1
F26	03 Feb 2017	High Tide Time	1403
F26	03 Feb 2017	Low Tide (ft)	1.3
F26	03 Feb 2017	Low Tide Time	825
F26	03 Feb 2017	Comments	Level-wind broke on winch during descent
F27	03 Feb 2017	Depth (m)	100
F27	03 Feb 2017	Arrive Time	1154
F27	03 Feb 2017	Depart Time	1204
F27	03 Feb 2017	Air Temp (C)	15
F27	03 Feb 2017	Weather	Overcast
F27	03 Feb 2017	Visibility (mi)	10
F27	03 Feb 2017	Wind Speed (kts)	2
F27	03 Feb 2017	Wind Dir	SW
F27	03 Feb 2017	Water Color	Blue
F27	03 Feb 2017	Wave Ht Low (ft)	6
F27	03 Feb 2017	Wave Period (sec)	13
F27	03 Feb 2017	Sea State	Wind ripples
F27	03 Feb 2017	High Tide (ft)	3.1
F27	03 Feb 2017	High Tide Time	1403
F27	03 Feb 2017	Low Tide (ft)	1.3
F27	03 Feb 2017	Low Tide Time	825
F27	03 Feb 2017	Comments	
F28	03 Feb 2017	Depth (m)	100
F28	03 Feb 2017	Arrive Time	1139
F28	03 Feb 2017	Depart Time	1149
F28	03 Feb 2017	Air Temp (C)	15
F28	03 Feb 2017	Weather	Overcast
F28	03 Feb 2017	Visibility (mi)	10
F28	03 Feb 2017	Wind Speed (kts)	3
F28	03 Feb 2017	Wind Dir	N
F28	03 Feb 2017	Water Color	Blue
F28	03 Feb 2017	Wave Ht Low (ft)	6
F28	03 Feb 2017	Wave Period (sec)	13
F28	03 Feb 2017	Sea State	Wind ripples
F28	03 Feb 2017	High Tide (ft)	3.1
F28	03 Feb 2017	High Tide Time	1403
F28	03 Feb 2017	Low Tide (ft)	1.3
F28	03 Feb 2017	Low Tide Time	825
F28	03 Feb 2017	Comments	
F29	03 Feb 2017	Depth (m)	100
F29	03 Feb 2017	Arrive Time	1122
F29	03 Feb 2017	Depart Time	1132
F29	03 Feb 2017	Air Temp (C)	15
F29	03 Feb 2017	Weather	Overcast

Station	Date	Parameter	Value
F29	03 Feb 2017	Visibility (mi)	10
F29	03 Feb 2017	Wind Speed (kts)	3
F29	03 Feb 2017	Wind Dir	SW
F29	03 Feb 2017	Water Color	Blue
F29	03 Feb 2017	Wave Ht Low (ft)	6
F29	03 Feb 2017	Wave Period (sec)	13
F29	03 Feb 2017	Sea State	Wind ripples
F29	03 Feb 2017	High Tide (ft)	3.1
F29	03 Feb 2017	High Tide Time	1403
F29	03 Feb 2017	Low Tide (ft)	1.3
F29	03 Feb 2017	Low Tide Time	825
F29	03 Feb 2017	Comments	
F30	03 Feb 2017	Depth (m)	98
F30	03 Feb 2017	Arrive Time	1104
F30	03 Feb 2017	Depart Time	1114
F30	03 Feb 2017	Air Temp (C)	15
F30	03 Feb 2017	Weather	Overcast
F30	03 Feb 2017	Visibility (mi)	10
F30	03 Feb 2017	Wind Speed (kts)	1
F30	03 Feb 2017	Wind Dir	NE
F30	03 Feb 2017	Water Color	Blue
F30	03 Feb 2017	Wave Ht Low (ft)	6
F30	03 Feb 2017	Wave Period (sec)	13
F30	03 Feb 2017	Sea State	Wind ripples
F30	03 Feb 2017	High Tide (ft)	3.1
F30	03 Feb 2017	High Tide Time	1403
F30	03 Feb 2017	Low Tide (ft)	1.3
F30	03 Feb 2017	Low Tide Time	825
F30	03 Feb 2017	Comments	
F31	03 Feb 2017	Depth (m)	99
F31	03 Feb 2017	Arrive Time	1047
F31	03 Feb 2017	Depart Time	1056
F31	03 Feb 2017	Air Temp (C)	15
F31	03 Feb 2017	Weather	Overcast
F31	03 Feb 2017	Visibility (mi)	9
F31	03 Feb 2017	Wind Speed (kts)	2
F31	03 Feb 2017	Wind Dir	SE
F31	03 Feb 2017	Water Color	Greenish-Blue
F31	03 Feb 2017	Wave Ht Low (ft)	6
F31	03 Feb 2017	Wave Period (sec)	13
F31	03 Feb 2017	Sea State	Wind ripples
F31	03 Feb 2017	High Tide (ft)	3.1
F31	03 Feb 2017	High Tide Time	1403
F31	03 Feb 2017	Low Tide (ft)	1.3
F31	03 Feb 2017	Low Tide Time	825
F31	03 Feb 2017	Comments	
F32	03 Feb 2017	Depth (m)	99
F32	03 Feb 2017	Arrive Time	1031
F32	03 Feb 2017	Depart Time	1041
F32	03 Feb 2017	Air Temp (C)	15
F32	03 Feb 2017	Weather	Overcast
F32	03 Feb 2017	Visibility (mi)	9

Station	Date	Parameter	Value
F32	03 Feb 2017	Wind Speed (kts)	2
F32	03 Feb 2017	Wind Dir	SE
F32	03 Feb 2017	Water Color	Greenish-Blue
F32	03 Feb 2017	Wave Ht Low (ft)	6
F32	03 Feb 2017	Wave Period (sec)	13
F32	03 Feb 2017	Sea State	Wind ripples
F32	03 Feb 2017	High Tide (ft)	3.1
F32	03 Feb 2017	High Tide Time	1403
F32	03 Feb 2017	Low Tide (ft)	1.3
F32	03 Feb 2017	Low Tide Time	825
F32	03 Feb 2017	Comments	
F33	03 Feb 2017	Depth (m)	101
F33	03 Feb 2017	Arrive Time	1014
F33	03 Feb 2017	Depart Time	1025
F33	03 Feb 2017	Air Temp (C)	15
F33	03 Feb 2017	Weather	Overcast
F33	03 Feb 2017	Visibility (mi)	8
F33	03 Feb 2017	Wind Speed (kts)	3
F33	03 Feb 2017	Wind Dir	NE
F33	03 Feb 2017	Water Color	Greenish-Blue
F33	03 Feb 2017	Wave Ht Low (ft)	6
F33	03 Feb 2017	Wave Period (sec)	13
F33	03 Feb 2017	Sea State	Wind ripples
F33	03 Feb 2017	High Tide (ft)	3.1
F33	03 Feb 2017	High Tide Time	1403
F33	03 Feb 2017	Low Tide (ft)	1.3
F33	03 Feb 2017	Low Tide Time	825
F33	03 Feb 2017	Comments	Dolphins on station
F34	03 Feb 2017	Depth (m)	100
F34	03 Feb 2017	Arrive Time	954
F34	03 Feb 2017	Depart Time	1003
F34	03 Feb 2017	Air Temp (C)	14
F34	03 Feb 2017	Weather	Overcast
F34	03 Feb 2017	Visibility (mi)	8
F34	03 Feb 2017	Wind Speed (kts)	3
F34	03 Feb 2017	Wind Dir	NW
F34	03 Feb 2017	Water Color	Greenish-Blue
F34	03 Feb 2017	Wave Ht Low (ft)	6
F34	03 Feb 2017	Wave Period (sec)	13
F34	03 Feb 2017	Sea State	Wind ripples
F34	03 Feb 2017	High Tide (ft)	3.1
F34	03 Feb 2017	High Tide Time	1403
F34	03 Feb 2017	Low Tide (ft)	1.3
F34	03 Feb 2017	Low Tide Time	825
F34	03 Feb 2017	Comments	
F35	03 Feb 2017	Depth (m)	100
F35	03 Feb 2017	Arrive Time	938
F35	03 Feb 2017	Depart Time	945
F35	03 Feb 2017	Air Temp (C)	15
F35	03 Feb 2017	Weather	Overcast
F35	03 Feb 2017	Visibility (mi)	8
F35	03 Feb 2017	Wind Speed (kts)	2

Station	Date	Parameter	Value
F35	03 Feb 2017	Wind Dir	SW
F35	03 Feb 2017	Water Color	Greenish-Blue
F35	03 Feb 2017	Wave Ht Low (ft)	6
F35	03 Feb 2017	Wave Period (sec)	13
F35	03 Feb 2017	Sea State	Wind ripples
F35	03 Feb 2017	High Tide (ft)	3.1
F35	03 Feb 2017	High Tide Time	1403
F35	03 Feb 2017	Low Tide (ft)	1.3
F35	03 Feb 2017	Low Tide Time	825
F35	03 Feb 2017	Comments	
F36	03 Feb 2017	Depth (m)	99
F36	03 Feb 2017	Arrive Time	917
F36	03 Feb 2017	Depart Time	926
F36	03 Feb 2017	Air Temp (C)	14
F36	03 Feb 2017	Weather	Overcast
F36	03 Feb 2017	Visibility (mi)	8
F36	03 Feb 2017	Wind Speed (kts)	2
F36	03 Feb 2017	Wind Dir	NE
F36	03 Feb 2017	Water Color	Greenish-Blue
F36	03 Feb 2017	Wave Ht Low (ft)	6
F36	03 Feb 2017	Wave Period (sec)	13
F36	03 Feb 2017	Sea State	Wind ripples
F36	03 Feb 2017	High Tide (ft)	3.1
F36	03 Feb 2017	High Tide Time	1403
F36	03 Feb 2017	Low Tide (ft)	1.3
F36	03 Feb 2017	Low Tide Time	825
F36	03 Feb 2017	Comments	

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F01	01 Feb 2017	1	14.34	74.47	8.1	33.15	8.1	24.7	2.12
F01	01 Feb 2017	2	14.34	74.35	8.1	33.15	8.1	24.7	2.10
F01	01 Feb 2017	3	14.30	74.26	8.1	33.17	8.1	24.7	2.24
F01	01 Feb 2017	4	14.18	74.84	8.0	33.24	8.1	24.8	2.51
F01	01 Feb 2017	5	14.12	75.68	8.0	33.27	8.1	24.8	2.85
F01	01 Feb 2017	6	14.07	75.43	8.0	33.26	8.1	24.8	3.55
F01	01 Feb 2017	7	14.05	74.17	8.0	33.26	8.1	24.8	3.78
F01	01 Feb 2017	8	14.03	73.45	8.0	33.26	8.1	24.8	3.92
F01	01 Feb 2017	9	13.93	73.30	7.7	33.28	8.1	24.9	4.08
F01	01 Feb 2017	10	13.80	74.28	7.3	33.30	8.1	24.9	4.14
F01	01 Feb 2017	11	13.66	75.43	6.9	33.31	8.0	25.0	3.67
F01	01 Feb 2017	12	13.62	74.73	6.8	33.31	8.0	25.0	3.22
F01	01 Feb 2017	13	13.60	73.70	6.7	33.31	8.0	25.0	2.96
F01	01 Feb 2017	14	13.56	71.63	6.7	33.32	8.0	25.0	2.73
F01	01 Feb 2017	15	13.54	68.99	6.6	33.32	8.0	25.0	2.63
F01	01 Feb 2017	16	13.52	67.32	6.5	33.32	8.0	25.0	2.54
F01	01 Feb 2017	17	13.52	65.53	6.5	33.32	8.0	25.0	2.47
F01	01 Feb 2017	18	13.50	64.76	6.5	33.33	8.0	25.0	2.44
F01	01 Feb 2017	19	13.49	63.07	6.4	33.33	8.0	25.0	2.37
F01	01 Feb 2017	20	13.48	60.10	6.4	33.33	8.0	25.0	2.37
F01	01 Feb 2017	21	13.46	57.50	6.3	33.33	8.0	25.0	2.31
F02	01 Feb 2017	1	14.67	77.77	8.4	33.13	8.1	24.6	4.30
F02	01 Feb 2017	2	14.66	77.92	8.4	33.12	8.1	24.6	4.61
F02	01 Feb 2017	3	14.66	77.70	8.4	33.13	8.1	24.6	5.08
F02	01 Feb 2017	4	14.60	79.58	8.3	33.15	8.1	24.6	4.95
F02	01 Feb 2017	5	14.51	82.38	8.1	33.18	8.1	24.7	4.21
F02	01 Feb 2017	6	14.47	83.86	8.0	33.18	8.1	24.7	3.48
F02	01 Feb 2017	7	14.46	83.78	8.0	33.18	8.1	24.7	3.16
F02	01 Feb 2017	8	14.43	82.66	7.9	33.19	8.1	24.7	3.20
F02	01 Feb 2017	9	14.42	82.20	7.8	33.20	8.1	24.7	3.54
F02	01 Feb 2017	10	14.41	82.51	7.8	33.21	8.1	24.7	3.44
F02	01 Feb 2017	11	14.40	83.54	7.9	33.20	8.1	24.7	3.26
F02	01 Feb 2017	12	14.40	84.26	7.9	33.21	8.1	24.7	3.26
F02	01 Feb 2017	13	14.39	84.56	7.8	33.21	8.1	24.7	3.05
F02	01 Feb 2017	14	14.37	84.70	7.8	33.23	8.1	24.7	3.05
F02	01 Feb 2017	15	14.33	85.02	7.6	33.24	8.1	24.8	2.85
F02	01 Feb 2017	16	14.25	84.65	7.5	33.26	8.1	24.8	2.59
F02	01 Feb 2017	17	14.19	84.39	7.4	33.27	8.1	24.8	2.70
F02	01 Feb 2017	18	14.08	83.75	7.2	33.29	8.1	24.8	2.62
F02	01 Feb 2017	19	13.87	81.75	6.9	33.31	8.0	24.9	2.62
F02	01 Feb 2017	20	13.51	79.03	6.5	33.35	8.0	25.0	2.36
F02	01 Feb 2017	21	13.37	75.14	6.3	33.35	8.0	25.0	2.03
F03	01 Feb 2017	1	14.74	77.66	8.5	33.12	8.1	24.6	4.98
F03	01 Feb 2017	2	14.73	77.63	8.6	33.12	8.1	24.6	5.06
F03	01 Feb 2017	3	14.72	77.14	8.5	33.12	8.1	24.6	5.63
F03	01 Feb 2017	4	14.68	76.77	8.5	33.13	8.1	24.6	6.57
F03	01 Feb 2017	5	14.62	78.61	8.3	33.15	8.1	24.6	6.29
F03	01 Feb 2017	6	14.59	77.36	8.3	33.16	8.1	24.6	6.04
F03	01 Feb 2017	7	14.58	74.26	8.4	33.17	8.1	24.6	7.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F03	01 Feb 2017	8	14.55	73.04	8.4	33.18	8.1	24.7	8.19
F03	01 Feb 2017	9	14.50	72.05	8.3	33.19	8.1	24.7	8.88
F03	01 Feb 2017	10	14.45	71.65	8.2	33.20	8.1	24.7	8.32
F03	01 Feb 2017	11	14.37	71.90	8.1	33.22	8.1	24.7	8.45
F03	01 Feb 2017	12	14.33	73.74	8.0	33.22	8.1	24.7	7.99
F03	01 Feb 2017	13	14.29	74.31	7.9	33.23	8.1	24.8	7.15
F03	01 Feb 2017	14	14.23	71.67	7.8	33.24	8.1	24.8	7.02
F03	01 Feb 2017	15	14.21	70.74	7.8	33.24	8.1	24.8	7.34
F03	01 Feb 2017	16	14.20	70.72	7.8	33.24	8.1	24.8	7.29
F03	01 Feb 2017	17	14.16	69.93	7.7	33.25	8.1	24.8	7.39
F03	01 Feb 2017	18	13.77	69.64	7.0	33.32	8.0	24.9	7.05
F03	01 Feb 2017	19	13.51	68.92	6.4	33.32	8.0	25.0	5.25
F04	01 Feb 2017	1	15.36	89.68	8.0	33.35	8.1	24.6	0.36
F04	01 Feb 2017	2	15.35	89.67	8.0	33.35	8.1	24.6	0.35
F04	01 Feb 2017	3	15.35	89.75	8.0	33.35	8.1	24.6	0.36
F04	01 Feb 2017	4	15.31	89.77	8.0	33.35	8.1	24.6	0.35
F04	01 Feb 2017	5	15.21	89.70	8.0	33.36	8.1	24.7	0.34
F04	01 Feb 2017	6	15.06	89.59	8.0	33.35	8.1	24.7	0.34
F04	01 Feb 2017	7	14.94	89.44	8.1	33.34	8.1	24.7	0.34
F04	01 Feb 2017	8	14.88	89.19	8.1	33.33	8.1	24.7	0.37
F04	01 Feb 2017	9	14.85	89.05	8.1	33.33	8.1	24.7	0.39
F04	01 Feb 2017	10	14.81	89.34	8.1	33.33	8.1	24.7	0.42
F04	01 Feb 2017	11	14.78	89.61	8.1	33.34	8.1	24.7	0.44
F04	01 Feb 2017	12	14.75	89.68	8.1	33.34	8.1	24.7	0.49
F04	01 Feb 2017	13	14.74	89.75	8.0	33.34	8.1	24.7	0.54
F04	01 Feb 2017	14	14.73	89.74	8.0	33.34	8.1	24.7	0.61
F04	01 Feb 2017	15	14.72	89.81	8.0	33.34	8.1	24.8	0.69
F04	01 Feb 2017	16	14.70	89.76	7.9	33.34	8.1	24.8	0.91
F04	01 Feb 2017	17	14.70	89.82	7.9	33.34	8.1	24.8	0.99
F04	01 Feb 2017	18	14.69	89.80	7.9	33.34	8.1	24.8	1.10
F04	01 Feb 2017	19	14.69	89.67	7.9	33.34	8.1	24.8	1.21
F04	01 Feb 2017	20	14.69	89.68	7.9	33.34	8.1	24.8	1.21
F04	01 Feb 2017	21	14.68	89.82	7.9	33.34	8.1	24.8	1.36
F04	01 Feb 2017	22	14.68	89.86	7.8	33.34	8.1	24.8	1.27
F04	01 Feb 2017	23	14.68	89.92	7.8	33.34	8.1	24.8	1.27
F04	01 Feb 2017	24	14.67	90.02	7.8	33.34	8.1	24.8	1.33
F04	01 Feb 2017	25	14.66	90.17	7.8	33.34	8.1	24.8	1.29
F04	01 Feb 2017	26	14.53	90.39	7.7	33.34	8.1	24.8	1.24
F04	01 Feb 2017	27	14.50	90.35	7.6	33.34	8.1	24.8	1.06
F04	01 Feb 2017	28	14.45	90.55	7.6	33.34	8.1	24.8	1.04
F04	01 Feb 2017	29	14.30	90.56	7.4	33.35	8.1	24.8	1.02
F04	01 Feb 2017	30	14.24	90.45	7.3	33.34	8.1	24.9	0.97
F04	01 Feb 2017	31	14.23	90.48	7.3	33.34	8.1	24.9	0.95
F04	01 Feb 2017	32	14.14	90.48	7.2	33.35	8.1	24.9	0.95
F04	01 Feb 2017	33	13.91	90.19	7.0	33.36	8.1	24.9	0.96
F04	01 Feb 2017	34	13.67	89.77	6.8	33.37	8.0	25.0	0.91
F04	01 Feb 2017	35	13.55	89.45	6.6	33.35	8.0	25.0	0.88
F04	01 Feb 2017	36	13.22	89.05	6.4	33.39	8.0	25.1	0.80
F04	01 Feb 2017	37	12.88	88.75	6.1	33.39	8.0	25.2	0.70
F04	01 Feb 2017	38	12.77	88.46	5.9	33.39	8.0	25.2	0.60
F04	01 Feb 2017	39	12.57	88.19	5.8	33.38	7.9	25.2	0.57
F04	01 Feb 2017	40	12.47	86.89	5.6	33.40	7.9	25.3	0.53
F04	01 Feb 2017	41	12.44	86.36	5.6	33.39	7.9	25.3	0.48
F04	01 Feb 2017	42	12.43	85.70	5.5	33.39	7.9	25.3	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F04	01 Feb 2017	43	12.42	85.57	5.5	33.39	7.9	25.3	0.46
F04	01 Feb 2017	44	12.42	85.41	5.5	33.39	7.9	25.3	0.45
F04	01 Feb 2017	45	12.41	85.21	5.5	33.39	7.9	25.3	0.45
F04	01 Feb 2017	46	12.41	85.02	5.5	33.39	7.9	25.3	0.46
F04	01 Feb 2017	47	12.41	84.75	5.5	33.39	7.9	25.3	0.46
F04	01 Feb 2017	48	12.40	84.70	5.5	33.39	7.9	25.3	0.46
F04	01 Feb 2017	49	12.39	84.56	5.5	33.39	7.9	25.3	0.45
F04	01 Feb 2017	50	12.38	84.20	5.5	33.40	7.9	25.3	0.46
F04	01 Feb 2017	51	12.36	83.08	5.4	33.40	7.9	25.3	0.45
F04	01 Feb 2017	52	12.34	82.27	5.4	33.40	7.9	25.3	0.45
F04	01 Feb 2017	53	12.33	81.88	5.4	33.40	7.9	25.3	0.44
F04	01 Feb 2017	54	12.31	82.15	5.4	33.40	7.9	25.3	0.44
F04	01 Feb 2017	55	12.27	81.10	5.4	33.41	7.9	25.3	0.43
F04	01 Feb 2017	56	12.21	78.60	5.3	33.41	7.9	25.3	0.43
F04	01 Feb 2017	57	12.10	77.33	5.3	33.42	7.9	25.3	0.42
F04	01 Feb 2017	58	12.09	75.82	5.2	33.41	7.9	25.3	0.40
F04	01 Feb 2017	59	12.01	75.58	5.2	33.43	7.9	25.4	0.40
F04	01 Feb 2017	60	11.96	73.28	5.2	33.43	7.9	25.4	0.38
F04	01 Feb 2017	61	11.95	72.57	5.1	33.42	7.9	25.4	0.37
F05	01 Feb 2017	1	15.17	89.02	8.2	33.31	8.1	24.6	0.39
F05	01 Feb 2017	2	15.06	88.82	8.2	33.33	8.1	24.7	0.40
F05	01 Feb 2017	3	14.97	88.51	8.2	33.32	8.1	24.7	0.41
F05	01 Feb 2017	4	14.94	88.39	8.2	33.31	8.1	24.7	0.45
F05	01 Feb 2017	5	14.94	88.19	8.2	33.31	8.1	24.7	0.46
F05	01 Feb 2017	6	14.93	88.26	8.2	33.31	8.1	24.7	0.48
F05	01 Feb 2017	7	14.92	87.99	8.2	33.31	8.1	24.7	0.53
F05	01 Feb 2017	8	14.91	88.01	8.2	33.31	8.1	24.7	0.59
F05	01 Feb 2017	9	14.90	88.23	8.2	33.31	8.1	24.7	0.62
F05	01 Feb 2017	10	14.90	88.06	8.2	33.31	8.1	24.7	0.69
F05	01 Feb 2017	11	14.88	88.29	8.2	33.32	8.1	24.7	0.68
F05	01 Feb 2017	12	14.87	88.56	8.2	33.32	8.1	24.7	0.68
F05	01 Feb 2017	13	14.86	88.82	8.2	33.33	8.1	24.7	0.71
F05	01 Feb 2017	14	14.85	89.45	8.1	33.33	8.1	24.7	0.76
F05	01 Feb 2017	15	14.84	89.53	8.1	33.33	8.1	24.7	0.73
F05	01 Feb 2017	16	14.83	89.70	8.1	33.33	8.1	24.7	0.73
F05	01 Feb 2017	17	14.82	89.86	8.2	33.33	8.1	24.7	0.70
F05	01 Feb 2017	18	14.81	89.70	8.2	33.33	8.1	24.7	0.72
F05	01 Feb 2017	19	14.78	89.69	8.2	33.33	8.1	24.7	0.68
F05	01 Feb 2017	20	14.76	89.83	8.2	33.33	8.1	24.7	0.70
F05	01 Feb 2017	21	14.74	90.11	8.1	33.33	8.1	24.7	0.76
F05	01 Feb 2017	22	14.73	90.19	8.0	33.33	8.1	24.7	0.84
F05	01 Feb 2017	23	14.72	90.23	8.0	33.34	8.1	24.8	0.90
F05	01 Feb 2017	24	14.71	90.24	8.0	33.34	8.1	24.8	0.94
F05	01 Feb 2017	25	14.71	90.33	8.0	33.34	8.1	24.8	1.03
F05	01 Feb 2017	26	14.71	90.37	8.0	33.34	8.1	24.8	1.10
F05	01 Feb 2017	27	14.71	90.34	8.0	33.34	8.1	24.8	1.14
F05	01 Feb 2017	28	14.71	90.38	7.9	33.34	8.1	24.8	1.14
F05	01 Feb 2017	29	14.70	90.31	7.9	33.34	8.1	24.8	1.30
F05	01 Feb 2017	30	14.70	90.22	7.9	33.34	8.1	24.8	1.27
F05	01 Feb 2017	31	14.69	90.33	7.9	33.34	8.1	24.8	1.23
F05	01 Feb 2017	32	14.65	90.33	7.8	33.34	8.1	24.8	1.23
F05	01 Feb 2017	33	14.60	90.36	7.8	33.34	8.1	24.8	1.22
F05	01 Feb 2017	34	14.56	90.40	7.7	33.34	8.1	24.8	1.21
F05	01 Feb 2017	35	14.50	90.40	7.6	33.34	8.1	24.8	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F05	01 Feb 2017	36	14.46	90.50	7.6	33.34	8.1	24.8	1.20
F05	01 Feb 2017	37	14.44	90.42	7.6	33.34	8.1	24.8	1.22
F05	01 Feb 2017	38	14.38	90.43	7.5	33.34	8.1	24.8	1.16
F05	01 Feb 2017	39	14.31	90.37	7.4	33.34	8.1	24.8	1.20
F05	01 Feb 2017	40	14.31	90.20	7.4	33.34	8.1	24.8	1.14
F05	01 Feb 2017	41	14.04	90.02	7.1	33.37	8.1	24.9	1.14
F05	01 Feb 2017	42	13.74	89.46	6.8	33.37	8.1	25.0	1.09
F05	01 Feb 2017	43	13.33	88.41	6.4	33.40	8.0	25.1	1.04
F05	01 Feb 2017	44	12.99	87.59	6.1	33.38	8.0	25.1	0.94
F05	01 Feb 2017	45	12.75	87.26	5.8	33.40	8.0	25.2	0.79
F05	01 Feb 2017	46	12.61	85.92	5.7	33.38	7.9	25.2	0.66
F05	01 Feb 2017	47	12.60	85.25	5.6	33.38	7.9	25.2	0.61
F05	01 Feb 2017	48	12.60	84.18	5.6	33.38	7.9	25.2	0.58
F05	01 Feb 2017	49	12.60	84.63	5.6	33.38	7.9	25.2	0.58
F05	01 Feb 2017	50	12.60	84.19	5.6	33.38	7.9	25.2	0.55
F05	01 Feb 2017	51	12.60	83.99	5.6	33.38	7.9	25.2	0.56
F05	01 Feb 2017	52	12.60	84.12	5.6	33.38	7.9	25.2	0.55
F05	01 Feb 2017	53	12.60	83.57	5.6	33.38	7.9	25.2	0.57
F05	01 Feb 2017	54	12.60	83.34	5.6	33.38	7.9	25.2	0.56
F05	01 Feb 2017	55	12.59	82.17	5.6	33.38	7.9	25.2	0.56
F05	01 Feb 2017	56	12.59	81.92	5.5	33.38	7.9	25.2	0.57
F05	01 Feb 2017	57	12.59	81.56	5.5	33.38	7.9	25.2	0.55
F05	01 Feb 2017	58	12.59	80.39	5.5	33.38	7.9	25.2	0.55
F05	01 Feb 2017	59	12.58	79.92	5.5	33.38	7.9	25.2	0.54
F05	01 Feb 2017	60	12.58	79.00	5.5	33.38	7.9	25.2	0.55
F05	01 Feb 2017	61	12.58	78.48	5.5	33.38	7.9	25.2	0.57
F06	01 Feb 2017	1	15.26	87.62	8.2	33.30	8.1	24.6	0.51
F06	01 Feb 2017	2	15.08	87.33	8.2	33.31	8.1	24.6	0.52
F06	01 Feb 2017	3	15.02	87.32	8.2	33.31	8.1	24.7	0.58
F06	01 Feb 2017	4	15.00	87.70	8.2	33.31	8.1	24.7	0.58
F06	01 Feb 2017	5	14.99	87.85	8.2	33.31	8.1	24.7	0.59
F06	01 Feb 2017	6	14.97	87.99	8.1	33.31	8.1	24.7	0.59
F06	01 Feb 2017	7	14.97	87.94	8.1	33.31	8.1	24.7	0.61
F06	01 Feb 2017	8	14.96	87.96	8.1	33.31	8.1	24.7	0.64
F06	01 Feb 2017	9	14.95	88.07	8.1	33.31	8.1	24.7	0.73
F06	01 Feb 2017	10	14.91	87.94	8.1	33.31	8.1	24.7	0.77
F06	01 Feb 2017	11	14.83	87.60	8.1	33.30	8.1	24.7	0.94
F06	01 Feb 2017	12	14.79	86.97	8.1	33.30	8.1	24.7	1.08
F06	01 Feb 2017	13	14.72	87.15	8.1	33.30	8.1	24.7	1.25
F06	01 Feb 2017	14	14.67	87.26	8.0	33.30	8.1	24.7	1.42
F06	01 Feb 2017	15	14.65	87.00	7.9	33.29	8.1	24.7	1.52
F06	01 Feb 2017	16	14.65	86.97	7.9	33.30	8.1	24.7	1.60
F06	01 Feb 2017	17	14.64	87.19	7.8	33.30	8.1	24.7	1.64
F06	01 Feb 2017	18	14.63	87.53	7.8	33.30	8.1	24.7	1.61
F06	01 Feb 2017	19	14.61	87.65	7.8	33.30	8.1	24.8	1.57
F06	01 Feb 2017	20	14.61	87.85	7.8	33.30	8.1	24.8	1.65
F06	01 Feb 2017	21	14.57	88.22	7.7	33.32	8.1	24.8	1.63
F06	01 Feb 2017	22	14.48	88.95	7.6	33.33	8.1	24.8	1.50
F06	01 Feb 2017	23	14.41	89.55	7.5	33.34	8.1	24.8	1.39
F06	01 Feb 2017	24	14.35	89.73	7.5	33.34	8.1	24.8	1.33
F06	01 Feb 2017	25	14.23	89.55	7.4	33.35	8.1	24.9	1.28
F06	01 Feb 2017	26	14.07	89.21	7.2	33.36	8.1	24.9	1.25
F06	01 Feb 2017	27	13.94	88.92	7.0	33.35	8.1	24.9	1.27
F06	01 Feb 2017	28	13.85	88.63	7.0	33.35	8.1	24.9	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F06	01 Feb 2017	29	13.64	87.52	6.7	33.37	8.0	25.0	1.21
F06	01 Feb 2017	30	13.48	86.92	6.5	33.35	8.0	25.0	1.27
F06	01 Feb 2017	31	13.53	87.12	6.5	33.34	8.0	25.0	1.26
F06	01 Feb 2017	32	13.42	87.01	6.4	33.36	8.0	25.0	1.31
F06	01 Feb 2017	33	13.32	86.06	6.3	33.36	8.0	25.1	1.23
F06	01 Feb 2017	34	13.20	85.11	6.2	33.37	8.0	25.1	1.28
F06	01 Feb 2017	35	13.08	84.09	6.0	33.36	8.0	25.1	1.72
F06	01 Feb 2017	36	13.05	81.67	5.9	33.36	8.0	25.1	1.29
F06	01 Feb 2017	37	12.99	79.76	5.9	33.36	8.0	25.1	1.16
F06	01 Feb 2017	38	12.94	76.69	5.8	33.37	8.0	25.1	1.11
F06	01 Feb 2017	39	12.92	75.07	5.7	33.37	7.9	25.1	1.05
F06	01 Feb 2017	40	12.92	74.77	5.7	33.37	7.9	25.1	1.04
F06	01 Feb 2017	41	12.92	74.28	5.7	33.37	7.9	25.1	1.03
F06	01 Feb 2017	42	12.88	71.92	5.7	33.37	7.9	25.2	1.05
F06	01 Feb 2017	43	12.85	70.97	5.6	33.37	7.9	25.2	0.96
F06	01 Feb 2017	44	12.81	70.00	5.6	33.38	7.9	25.2	0.89
F06	01 Feb 2017	45	12.80	70.62	5.6	33.37	7.9	25.2	0.89
F06	01 Feb 2017	46	12.78	69.33	5.5	33.38	7.9	25.2	0.85
F06	01 Feb 2017	47	12.76	69.51	5.5	33.38	7.9	25.2	0.83
F06	01 Feb 2017	48	12.76	68.71	5.5	33.38	7.9	25.2	0.80
F06	01 Feb 2017	49	12.75	68.66	5.5	33.38	7.9	25.2	0.79
F06	01 Feb 2017	50	12.74	67.37	5.5	33.38	7.9	25.2	0.78
F06	01 Feb 2017	51	12.73	67.40	5.5	33.38	7.9	25.2	0.75
F06	01 Feb 2017	52	12.68	66.32	5.4	33.39	7.9	25.2	0.75
F06	01 Feb 2017	53	12.51	63.66	5.4	33.40	7.9	25.2	0.73
F06	01 Feb 2017	54	12.37	61.37	5.3	33.41	7.9	25.3	0.70
F06	01 Feb 2017	55	12.31	60.44	5.3	33.41	7.9	25.3	0.66
F06	01 Feb 2017	56	12.26	57.41	5.2	33.41	7.9	25.3	0.62
F06	01 Feb 2017	57	12.21	56.33	5.2	33.41	7.9	25.3	0.61
F06	01 Feb 2017	58	12.21	55.64	5.2	33.41	7.9	25.3	0.58
F06	01 Feb 2017	59	12.18	56.09	5.2	33.42	7.9	25.3	0.57
F06	01 Feb 2017	60	12.16	55.40	5.2	33.42	7.9	25.3	0.57
F06	01 Feb 2017	61	12.14	55.19	5.2	33.42	7.9	25.3	0.57
F07	01 Feb 2017	1	15.15	85.02	8.2	33.29	8.1	24.6	0.54
F07	01 Feb 2017	2	15.02	84.89	8.2	33.29	8.1	24.6	0.60
F07	01 Feb 2017	3	14.97	84.86	8.2	33.28	8.1	24.7	0.70
F07	01 Feb 2017	4	14.97	85.09	8.2	33.29	8.1	24.7	0.77
F07	01 Feb 2017	5	14.95	85.27	8.2	33.29	8.1	24.7	0.77
F07	01 Feb 2017	6	14.93	85.11	8.2	33.28	8.1	24.7	0.85
F07	01 Feb 2017	7	14.88	85.04	8.2	33.28	8.1	24.7	0.91
F07	01 Feb 2017	8	14.80	84.55	8.1	33.27	8.1	24.7	1.05
F07	01 Feb 2017	9	14.65	83.54	8.1	33.26	8.1	24.7	1.37
F07	01 Feb 2017	10	14.63	83.49	8.0	33.26	8.1	24.7	1.58
F07	01 Feb 2017	11	14.61	83.91	7.9	33.27	8.1	24.7	1.69
F07	01 Feb 2017	12	14.61	84.55	7.8	33.28	8.1	24.7	1.70
F07	01 Feb 2017	13	14.61	84.80	7.8	33.29	8.1	24.7	1.80
F07	01 Feb 2017	14	14.59	85.10	7.8	33.30	8.1	24.7	1.81
F07	01 Feb 2017	15	14.57	85.62	7.7	33.30	8.1	24.8	1.75
F07	01 Feb 2017	16	14.56	85.90	7.7	33.30	8.1	24.8	1.68
F07	01 Feb 2017	17	14.56	86.13	7.7	33.30	8.1	24.8	1.65
F07	01 Feb 2017	18	14.52	86.58	7.6	33.32	8.1	24.8	1.58
F07	01 Feb 2017	19	14.33	87.26	7.4	33.34	8.1	24.8	1.44
F07	01 Feb 2017	20	14.28	88.05	7.4	33.34	8.1	24.8	1.27
F07	01 Feb 2017	21	14.25	88.63	7.3	33.34	8.1	24.9	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F07	01 Feb 2017	22	14.22	88.58	7.3	33.34	8.1	24.9	1.25
F07	01 Feb 2017	23	14.18	88.56	7.3	33.34	8.1	24.9	1.19
F07	01 Feb 2017	24	14.13	88.45	7.2	33.34	8.1	24.9	1.20
F07	01 Feb 2017	25	14.09	88.25	7.2	33.34	8.1	24.9	1.22
F07	01 Feb 2017	26	14.01	87.93	7.1	33.34	8.1	24.9	1.21
F07	01 Feb 2017	27	13.93	87.51	7.0	33.35	8.1	24.9	1.26
F07	01 Feb 2017	28	13.87	87.34	6.9	33.34	8.1	24.9	1.31
F07	01 Feb 2017	29	13.76	86.91	6.8	33.36	8.0	25.0	1.43
F07	01 Feb 2017	30	13.55	85.45	6.6	33.36	8.0	25.0	1.46
F07	01 Feb 2017	31	13.48	84.44	6.5	33.34	8.0	25.0	1.44
F07	01 Feb 2017	32	13.47	84.00	6.5	33.34	8.0	25.0	1.58
F07	01 Feb 2017	33	13.45	83.47	6.4	33.34	8.0	25.0	1.60
F07	01 Feb 2017	34	13.42	82.30	6.4	33.34	8.0	25.0	1.62
F07	01 Feb 2017	35	13.39	80.66	6.4	33.35	8.0	25.0	1.54
F07	01 Feb 2017	36	13.18	76.45	6.1	33.37	8.0	25.1	1.46
F07	01 Feb 2017	37	13.11	75.17	6.0	33.36	8.0	25.1	1.30
F07	01 Feb 2017	38	13.03	74.04	5.9	33.37	8.0	25.1	1.22
F07	01 Feb 2017	39	12.91	73.28	5.8	33.38	7.9	25.2	1.21
F07	01 Feb 2017	40	12.78	73.80	5.6	33.38	7.9	25.2	1.04
F07	01 Feb 2017	41	12.74	75.09	5.5	33.38	7.9	25.2	0.87
F07	01 Feb 2017	42	12.69	75.71	5.5	33.38	7.9	25.2	0.76
F07	01 Feb 2017	43	12.58	76.00	5.4	33.39	7.9	25.2	0.71
F07	01 Feb 2017	44	12.45	76.17	5.4	33.41	7.9	25.3	0.63
F07	01 Feb 2017	45	12.24	77.30	5.3	33.42	7.9	25.3	0.56
F07	01 Feb 2017	46	12.11	77.88	5.3	33.43	7.9	25.3	0.50
F07	01 Feb 2017	47	12.08	77.91	5.2	33.42	7.9	25.3	0.43
F07	01 Feb 2017	48	12.03	78.00	5.2	33.42	7.9	25.4	0.41
F07	01 Feb 2017	49	12.00	77.85	5.2	33.43	7.9	25.4	0.40
F07	01 Feb 2017	50	11.94	78.55	5.2	33.43	7.9	25.4	0.36
F07	01 Feb 2017	51	11.92	78.32	5.2	33.43	7.9	25.4	0.35
F07	01 Feb 2017	52	11.91	78.34	5.2	33.43	7.9	25.4	0.35
F07	01 Feb 2017	53	11.90	78.35	5.2	33.43	7.9	25.4	0.34
F07	01 Feb 2017	54	11.89	76.86	5.2	33.43	7.9	25.4	0.34
F07	01 Feb 2017	55	11.88	76.53	5.2	33.43	7.9	25.4	0.35
F07	01 Feb 2017	56	11.87	75.41	5.1	33.43	7.9	25.4	0.35
F07	01 Feb 2017	57	11.87	75.23	5.2	33.43	7.9	25.4	0.35
F07	01 Feb 2017	58	11.86	74.29	5.1	33.44	7.9	25.4	0.34
F07	01 Feb 2017	59	11.81	73.57	5.1	33.45	7.9	25.4	0.34
F07	01 Feb 2017	60	11.62	70.66	5.0	33.47	7.9	25.5	0.33
F07	01 Feb 2017	61	11.51	68.58	4.9	33.48	7.8	25.5	0.30
F07	01 Feb 2017	62	11.42	66.56	4.9	33.48	7.8	25.5	0.31
F07	01 Feb 2017	63	11.40	64.80	4.8	33.48	7.8	25.5	0.29
F07	01 Feb 2017	64	11.39	62.37	4.8	33.48	7.8	25.5	0.28
F08	01 Feb 2017	1	15.10	86.67	8.2	33.29	8.1	24.6	0.62
F08	01 Feb 2017	2	15.05	86.83	8.2	33.30	8.1	24.6	0.61
F08	01 Feb 2017	3	14.89	86.25	8.2	33.29	8.1	24.7	0.67
F08	01 Feb 2017	4	14.85	86.20	8.2	33.28	8.1	24.7	0.83
F08	01 Feb 2017	5	14.79	86.65	8.1	33.29	8.1	24.7	0.92
F08	01 Feb 2017	6	14.65	86.06	7.9	33.28	8.1	24.7	1.03
F08	01 Feb 2017	7	14.62	85.04	7.8	33.27	8.1	24.7	1.15
F08	01 Feb 2017	8	14.61	84.47	7.8	33.27	8.1	24.7	1.23
F08	01 Feb 2017	9	14.58	84.13	7.8	33.27	8.1	24.7	1.39
F08	01 Feb 2017	10	14.58	84.44	7.7	33.28	8.1	24.7	1.42
F08	01 Feb 2017	11	14.58	84.98	7.7	33.29	8.1	24.7	1.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F08	01 Feb 2017	12	14.58	85.81	7.7	33.29	8.1	24.7	1.41
F08	01 Feb 2017	13	14.58	86.10	7.7	33.30	8.1	24.7	1.40
F08	01 Feb 2017	14	14.58	85.76	7.7	33.30	8.1	24.8	1.44
F08	01 Feb 2017	15	14.57	85.67	7.7	33.30	8.1	24.8	1.50
F08	01 Feb 2017	16	14.56	86.34	7.7	33.31	8.1	24.8	1.50
F08	01 Feb 2017	17	14.56	87.25	7.7	33.31	8.1	24.8	1.48
F08	01 Feb 2017	18	14.55	87.77	7.7	33.32	8.1	24.8	1.47
F08	01 Feb 2017	19	14.51	88.14	7.6	33.33	8.1	24.8	1.58
F08	01 Feb 2017	20	14.39	88.56	7.5	33.35	8.1	24.8	1.53
F08	01 Feb 2017	21	14.08	88.61	7.2	33.35	8.1	24.9	1.40
F08	01 Feb 2017	22	13.85	87.64	6.9	33.35	8.1	24.9	1.37
F08	01 Feb 2017	23	13.67	85.23	6.7	33.34	8.0	25.0	1.43
F08	01 Feb 2017	24	13.66	84.11	6.7	33.34	8.0	25.0	1.48
F08	01 Feb 2017	25	13.65	83.83	6.7	33.34	8.0	25.0	1.48
F08	01 Feb 2017	26	13.65	83.38	6.6	33.34	8.0	25.0	1.44
F08	01 Feb 2017	27	13.64	83.23	6.6	33.34	8.0	25.0	1.45
F08	01 Feb 2017	28	13.63	82.74	6.6	33.34	8.0	25.0	1.46
F08	01 Feb 2017	29	13.60	82.13	6.6	33.34	8.0	25.0	1.47
F08	01 Feb 2017	30	13.58	81.70	6.5	33.34	8.0	25.0	1.46
F08	01 Feb 2017	31	13.52	80.39	6.4	33.34	8.0	25.0	1.45
F08	01 Feb 2017	32	13.47	79.40	6.3	33.34	8.0	25.0	1.42
F08	01 Feb 2017	33	13.37	78.82	6.2	33.36	8.0	25.0	1.42
F08	01 Feb 2017	34	13.11	77.38	6.0	33.37	8.0	25.1	1.32
F08	01 Feb 2017	35	12.90	75.75	5.8	33.38	8.0	25.2	1.17
F08	01 Feb 2017	36	12.82	76.06	5.7	33.38	7.9	25.2	0.96
F08	01 Feb 2017	37	12.77	75.90	5.6	33.37	7.9	25.2	0.88
F08	01 Feb 2017	38	12.76	75.94	5.6	33.37	7.9	25.2	0.79
F08	01 Feb 2017	39	12.75	75.64	5.6	33.38	7.9	25.2	0.81
F08	01 Feb 2017	40	12.73	75.70	5.6	33.38	7.9	25.2	0.74
F08	01 Feb 2017	41	12.70	76.17	5.5	33.38	7.9	25.2	0.70
F08	01 Feb 2017	42	12.67	76.18	5.5	33.38	7.9	25.2	0.67
F08	01 Feb 2017	43	12.53	76.29	5.4	33.40	7.9	25.2	0.65
F08	01 Feb 2017	44	12.45	77.84	5.4	33.40	7.9	25.3	0.57
F08	01 Feb 2017	45	12.38	78.29	5.4	33.40	7.9	25.3	0.53
F08	01 Feb 2017	46	12.27	79.14	5.4	33.41	7.9	25.3	0.53
F08	01 Feb 2017	47	12.21	79.60	5.3	33.41	7.9	25.3	0.45
F08	01 Feb 2017	48	12.15	79.22	5.3	33.41	7.9	25.3	0.42
F08	01 Feb 2017	49	12.12	78.93	5.3	33.41	7.9	25.3	0.39
F08	01 Feb 2017	50	12.09	78.74	5.3	33.41	7.9	25.3	0.38
F08	01 Feb 2017	51	12.06	78.52	5.3	33.42	7.9	25.3	0.37
F08	01 Feb 2017	52	12.05	78.06	5.3	33.42	7.9	25.4	0.36
F08	01 Feb 2017	53	12.03	77.91	5.2	33.42	7.9	25.4	0.36
F08	01 Feb 2017	54	11.99	76.41	5.2	33.42	7.9	25.4	0.36
F08	01 Feb 2017	55	11.97	75.04	5.2	33.42	7.9	25.4	0.37
F08	01 Feb 2017	56	11.93	72.93	5.2	33.43	7.9	25.4	0.35
F08	01 Feb 2017	57	11.91	70.84	5.2	33.43	7.9	25.4	0.35
F08	01 Feb 2017	58	11.84	70.06	5.1	33.44	7.9	25.4	0.34
F08	01 Feb 2017	59	11.74	67.86	5.1	33.45	7.9	25.4	0.33
F08	01 Feb 2017	60	11.74	64.19	5.0	33.44	7.9	25.4	0.33
F08	01 Feb 2017	61	11.71	63.70	5.0	33.45	7.9	25.4	0.33
F08	01 Feb 2017	62	11.63	62.33	5.0	33.46	7.9	25.5	0.33
F09	01 Feb 2017	1	15.15	86.40	8.2	33.27	8.1	24.6	0.77
F09	01 Feb 2017	2	15.08	86.23	8.2	33.27	8.1	24.6	0.78
F09	01 Feb 2017	3	15.03	86.04	8.2	33.26	8.1	24.6	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F09	01 Feb 2017	4	15.00	85.80	8.2	33.26	8.1	24.6	0.96
F09	01 Feb 2017	5	14.98	85.83	8.2	33.27	8.1	24.6	1.03
F09	01 Feb 2017	6	14.98	86.07	8.2	33.27	8.1	24.6	1.05
F09	01 Feb 2017	7	14.97	86.30	8.2	33.28	8.1	24.7	1.11
F09	01 Feb 2017	8	14.95	86.52	8.2	33.28	8.1	24.7	1.14
F09	01 Feb 2017	9	14.94	86.50	8.2	33.28	8.1	24.7	1.21
F09	01 Feb 2017	10	14.93	86.62	8.2	33.28	8.1	24.7	1.31
F09	01 Feb 2017	11	14.93	86.62	8.2	33.28	8.1	24.7	1.39
F09	01 Feb 2017	12	14.94	86.77	8.2	33.29	8.1	24.7	1.45
F09	01 Feb 2017	13	14.93	86.98	8.2	33.29	8.1	24.7	1.42
F09	01 Feb 2017	14	14.89	87.08	8.2	33.29	8.1	24.7	1.44
F09	01 Feb 2017	15	14.86	87.04	8.2	33.28	8.1	24.7	1.54
F09	01 Feb 2017	16	14.83	87.05	8.2	33.28	8.1	24.7	1.60
F09	01 Feb 2017	17	14.80	86.83	8.2	33.27	8.1	24.7	1.71
F09	01 Feb 2017	18	14.80	86.96	8.2	33.27	8.1	24.7	1.84
F09	01 Feb 2017	19	14.76	86.95	8.1	33.28	8.1	24.7	1.87
F09	01 Feb 2017	20	14.53	87.11	7.8	33.31	8.1	24.8	1.82
F09	01 Feb 2017	21	14.29	87.36	7.4	33.33	8.1	24.8	1.77
F09	01 Feb 2017	22	13.76	86.73	6.9	33.36	8.1	25.0	1.70
F09	01 Feb 2017	23	13.64	84.19	6.7	33.34	8.0	25.0	1.70
F09	01 Feb 2017	24	13.62	81.41	6.6	33.33	8.0	25.0	1.76
F09	01 Feb 2017	25	13.60	80.50	6.6	33.33	8.0	25.0	1.77
F09	01 Feb 2017	26	13.59	79.76	6.6	33.33	8.0	25.0	1.79
F09	01 Feb 2017	27	13.55	79.46	6.5	33.34	8.0	25.0	1.72
F09	01 Feb 2017	28	13.43	78.70	6.3	33.33	8.0	25.0	1.73
F09	01 Feb 2017	29	13.37	78.10	6.2	33.34	8.0	25.0	1.58
F09	01 Feb 2017	30	13.36	77.30	6.3	33.34	8.0	25.0	1.57
F09	01 Feb 2017	31	13.32	77.12	6.2	33.35	8.0	25.1	1.63
F09	01 Feb 2017	32	13.28	77.04	6.2	33.35	8.0	25.1	1.60
F09	01 Feb 2017	33	13.24	77.90	6.1	33.36	8.0	25.1	1.56
F09	01 Feb 2017	34	13.06	79.18	6.0	33.38	8.0	25.1	1.43
F09	01 Feb 2017	35	12.87	77.67	5.8	33.38	7.9	25.2	1.27
F09	01 Feb 2017	36	12.80	77.66	5.7	33.38	7.9	25.2	1.15
F09	01 Feb 2017	37	12.75	77.48	5.6	33.38	7.9	25.2	1.08
F09	01 Feb 2017	38	12.72	77.31	5.6	33.38	7.9	25.2	1.01
F09	01 Feb 2017	39	12.70	77.24	5.6	33.38	7.9	25.2	0.97
F09	01 Feb 2017	40	12.70	76.89	5.5	33.38	7.9	25.2	0.93
F09	01 Feb 2017	41	12.69	76.60	5.5	33.38	7.9	25.2	0.92
F09	01 Feb 2017	42	12.68	76.63	5.5	33.38	7.9	25.2	0.90
F09	01 Feb 2017	43	12.57	76.73	5.4	33.39	7.9	25.2	0.86
F09	01 Feb 2017	44	12.45	78.03	5.4	33.39	7.9	25.3	0.79
F09	01 Feb 2017	45	12.50	79.10	5.4	33.38	7.9	25.2	0.75
F09	01 Feb 2017	46	12.49	78.34	5.4	33.39	7.9	25.2	0.73
F09	01 Feb 2017	47	12.44	78.40	5.4	33.40	7.9	25.3	0.72
F09	01 Feb 2017	48	12.36	79.02	5.4	33.40	7.9	25.3	0.69
F09	01 Feb 2017	49	12.35	79.93	5.4	33.40	7.9	25.3	0.67
F09	01 Feb 2017	50	12.28	80.07	5.3	33.40	7.9	25.3	0.66
F09	01 Feb 2017	51	12.26	79.74	5.3	33.40	7.9	25.3	0.63
F09	01 Feb 2017	52	12.23	79.38	5.3	33.41	7.9	25.3	0.62
F09	01 Feb 2017	53	12.22	78.51	5.3	33.40	7.9	25.3	0.62
F09	01 Feb 2017	54	12.21	78.02	5.3	33.41	7.9	25.3	0.62
F09	01 Feb 2017	55	12.17	76.26	5.3	33.41	7.9	25.3	0.61
F09	01 Feb 2017	56	12.13	73.59	5.2	33.41	7.9	25.3	0.61
F09	01 Feb 2017	57	12.07	71.50	5.2	33.42	7.9	25.4	0.61
F09	01 Feb 2017	58	12.01	69.56	5.2	33.42	7.9	25.4	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F09	01 Feb 2017	59	12.01	68.30	5.2	33.42	7.9	25.4	0.59
F09	01 Feb 2017	60	11.95	67.69	5.1	33.43	7.9	25.4	0.59
F09	01 Feb 2017	61	11.78	64.43	5.0	33.45	7.9	25.4	0.58
F09	01 Feb 2017	62	11.54	61.02	4.9	33.49	7.8	25.5	0.54
F10	01 Feb 2017	1	14.84	87.66	8.1	33.22	8.1	24.6	0.54
F10	01 Feb 2017	2	14.80	87.49	8.1	33.23	8.1	24.6	0.53
F10	01 Feb 2017	3	14.77	87.26	8.1	33.23	8.1	24.7	0.56
F10	01 Feb 2017	4	14.74	87.23	8.1	33.23	8.1	24.7	0.62
F10	01 Feb 2017	5	14.72	87.06	8.1	33.23	8.1	24.7	0.74
F10	01 Feb 2017	6	14.68	86.97	8.1	33.23	8.1	24.7	0.81
F10	01 Feb 2017	7	14.63	86.81	8.0	33.24	8.1	24.7	0.95
F10	01 Feb 2017	8	14.63	86.67	8.0	33.24	8.1	24.7	1.03
F10	01 Feb 2017	9	14.64	86.67	8.0	33.25	8.1	24.7	1.11
F10	01 Feb 2017	10	14.62	86.61	8.0	33.24	8.1	24.7	1.24
F10	01 Feb 2017	11	14.61	86.15	7.9	33.24	8.1	24.7	1.39
F10	01 Feb 2017	12	14.59	86.21	7.9	33.25	8.1	24.7	1.40
F10	01 Feb 2017	13	14.58	86.39	7.9	33.25	8.1	24.7	1.43
F10	01 Feb 2017	14	14.58	86.30	7.9	33.25	8.1	24.7	1.47
F10	01 Feb 2017	15	14.58	86.29	7.9	33.26	8.1	24.7	1.48
F10	01 Feb 2017	16	14.58	86.12	7.9	33.26	8.1	24.7	1.46
F10	01 Feb 2017	17	14.58	86.31	7.9	33.27	8.1	24.7	1.44
F10	01 Feb 2017	18	14.58	86.39	7.9	33.27	8.1	24.7	1.44
F10	01 Feb 2017	19	14.57	86.46	7.8	33.28	8.1	24.7	1.42
F10	01 Feb 2017	20	14.53	86.36	7.8	33.28	8.1	24.7	1.46
F10	01 Feb 2017	21	14.53	86.33	7.8	33.28	8.1	24.7	1.52
F10	01 Feb 2017	22	14.53	86.29	7.8	33.28	8.1	24.7	1.51
F10	01 Feb 2017	23	14.52	86.25	7.8	33.28	8.1	24.7	1.51
F10	01 Feb 2017	24	14.49	86.13	7.8	33.28	8.1	24.8	1.62
F10	01 Feb 2017	25	14.42	85.65	7.7	33.27	8.1	24.8	1.72
F10	01 Feb 2017	26	14.36	84.75	7.6	33.26	8.1	24.8	1.76
F10	01 Feb 2017	27	14.30	84.23	7.5	33.27	8.1	24.8	1.89
F10	01 Feb 2017	28	14.23	84.57	7.4	33.31	8.1	24.8	1.78
F10	01 Feb 2017	29	14.02	84.28	7.2	33.30	8.1	24.9	1.72
F10	01 Feb 2017	30	13.91	83.59	7.0	33.31	8.1	24.9	1.66
F10	01 Feb 2017	31	13.64	83.78	6.7	33.33	8.0	25.0	1.45
F10	01 Feb 2017	32	13.41	83.34	6.4	33.35	8.0	25.0	1.28
F10	01 Feb 2017	33	12.97	82.11	6.0	33.38	8.0	25.1	1.07
F10	01 Feb 2017	34	12.88	80.98	5.8	33.37	8.0	25.2	0.91
F10	01 Feb 2017	35	12.83	79.85	5.8	33.37	7.9	25.2	0.80
F10	01 Feb 2017	36	12.81	79.67	5.7	33.37	7.9	25.2	0.74
F10	01 Feb 2017	37	12.79	79.69	5.7	33.37	7.9	25.2	0.72
F10	01 Feb 2017	38	12.77	79.49	5.7	33.37	7.9	25.2	0.68
F10	01 Feb 2017	39	12.76	79.32	5.7	33.37	7.9	25.2	0.67
F10	01 Feb 2017	40	12.75	79.48	5.7	33.37	7.9	25.2	0.65
F10	01 Feb 2017	41	12.74	79.58	5.7	33.38	7.9	25.2	0.66
F10	01 Feb 2017	42	12.74	79.37	5.6	33.38	7.9	25.2	0.66
F10	01 Feb 2017	43	12.73	79.53	5.6	33.38	7.9	25.2	0.66
F10	01 Feb 2017	44	12.72	79.69	5.6	33.38	7.9	25.2	0.69
F10	01 Feb 2017	45	12.68	79.87	5.6	33.38	7.9	25.2	0.66
F10	01 Feb 2017	46	12.57	80.37	5.5	33.39	7.9	25.2	0.61
F10	01 Feb 2017	47	12.43	80.94	5.5	33.40	7.9	25.3	0.56
F10	01 Feb 2017	48	12.32	80.18	5.4	33.40	7.9	25.3	0.50
F10	01 Feb 2017	49	12.30	79.27	5.3	33.40	7.9	25.3	0.45
F10	01 Feb 2017	50	12.28	78.72	5.3	33.40	7.9	25.3	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F10	01 Feb 2017	51	12.13	77.87	5.2	33.42	7.9	25.3	0.41
F10	01 Feb 2017	52	12.07	75.58	5.2	33.42	7.9	25.3	0.37
F10	01 Feb 2017	53	12.01	72.90	5.1	33.43	7.9	25.4	0.37
F10	01 Feb 2017	54	11.94	70.40	5.1	33.43	7.9	25.4	0.36
F10	01 Feb 2017	55	11.86	68.06	5.1	33.44	7.9	25.4	0.34
F10	01 Feb 2017	56	11.85	65.35	5.0	33.44	7.9	25.4	0.34
F10	01 Feb 2017	57	11.84	64.87	5.0	33.44	7.9	25.4	0.33
F10	01 Feb 2017	58	11.79	64.11	5.0	33.45	7.9	25.4	0.32
F10	01 Feb 2017	59	11.74	63.52	5.0	33.44	7.9	25.4	0.33
F10	01 Feb 2017	60	11.72	63.55	5.0	33.45	7.9	25.4	0.32
F10	01 Feb 2017	61	11.68	62.38	5.0	33.45	7.9	25.4	0.32
F10	01 Feb 2017	62	11.66	61.42	5.0	33.45	7.9	25.4	0.30
F11	01 Feb 2017	1	14.75	75.70	8.4	33.14	8.1	24.6	3.08
F11	01 Feb 2017	2	14.69	74.29	8.4	33.14	8.1	24.6	3.55
F11	01 Feb 2017	3	14.59	74.31	8.3	33.16	8.1	24.6	3.91
F11	01 Feb 2017	4	14.59	77.21	8.3	33.17	8.1	24.6	4.66
F11	01 Feb 2017	5	14.59	79.21	8.2	33.17	8.1	24.6	3.95
F11	01 Feb 2017	6	14.58	80.38	8.1	33.17	8.1	24.7	3.43
F11	01 Feb 2017	7	14.54	81.54	8.0	33.19	8.1	24.7	3.68
F11	01 Feb 2017	8	14.46	82.53	7.9	33.20	8.1	24.7	3.95
F11	01 Feb 2017	9	14.44	82.57	7.8	33.20	8.1	24.7	3.77
F11	01 Feb 2017	10	14.41	82.34	7.8	33.21	8.1	24.7	3.80
F11	01 Feb 2017	11	14.36	81.87	7.6	33.22	8.1	24.7	3.85
F11	01 Feb 2017	12	14.31	81.22	7.5	33.23	8.1	24.8	3.36
F11	01 Feb 2017	13	14.26	81.11	7.5	33.23	8.1	24.8	3.09
F11	01 Feb 2017	14	14.22	82.01	7.4	33.25	8.1	24.8	3.29
F11	01 Feb 2017	15	14.20	82.48	7.4	33.25	8.1	24.8	3.29
F11	01 Feb 2017	16	14.18	82.07	7.4	33.25	8.1	24.8	3.21
F11	01 Feb 2017	17	14.18	81.47	7.4	33.25	8.1	24.8	3.17
F11	01 Feb 2017	18	14.17	81.47	7.3	33.25	8.1	24.8	3.06
F11	01 Feb 2017	19	14.13	81.75	7.3	33.26	8.1	24.8	3.04
F11	01 Feb 2017	20	14.11	81.75	7.2	33.26	8.1	24.8	3.21
F11	01 Feb 2017	21	14.09	81.22	7.2	33.26	8.1	24.8	3.27
F11	01 Feb 2017	22	14.07	80.67	7.2	33.26	8.1	24.8	3.38
F11	01 Feb 2017	23	14.05	80.51	7.2	33.27	8.1	24.8	3.40
F11	01 Feb 2017	24	14.03	79.06	7.1	33.27	8.1	24.8	3.16
F11	01 Feb 2017	25	14.01	78.73	7.1	33.27	8.1	24.8	3.11
F11	01 Feb 2017	26	14.00	78.99	7.1	33.27	8.1	24.9	3.01
F11	01 Feb 2017	27	13.98	79.26	7.0	33.27	8.1	24.9	2.94
F11	01 Feb 2017	28	13.97	79.60	7.0	33.28	8.1	24.9	3.00
F11	01 Feb 2017	29	13.95	79.50	7.0	33.28	8.0	24.9	2.97
F11	01 Feb 2017	30	13.93	79.11	7.0	33.28	8.0	24.9	3.00
F11	01 Feb 2017	31	13.92	78.39	6.9	33.28	8.0	24.9	2.69
F11	01 Feb 2017	32	13.89	78.09	6.7	33.28	8.0	24.9	2.22
F11	01 Feb 2017	33	13.79	78.75	6.4	33.30	8.0	24.9	1.70
F11	01 Feb 2017	34	13.52	79.92	6.0	33.34	8.0	25.0	1.14
F11	01 Feb 2017	35	13.17	81.50	5.9	33.36	8.0	25.1	0.93
F11	01 Feb 2017	36	13.06	82.84	5.8	33.36	8.0	25.1	0.86
F11	01 Feb 2017	37	12.98	82.76	5.8	33.37	8.0	25.1	0.79
F11	01 Feb 2017	38	12.92	82.30	5.8	33.37	7.9	25.1	0.75
F11	01 Feb 2017	39	12.87	81.77	5.8	33.37	7.9	25.2	0.72
F11	01 Feb 2017	40	12.86	81.31	5.7	33.37	7.9	25.2	0.69
F11	01 Feb 2017	41	12.86	81.07	5.7	33.37	7.9	25.2	0.67
F11	01 Feb 2017	42	12.83	80.91	5.6	33.37	7.9	25.2	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F11	01 Feb 2017	43	12.78	80.33	5.6	33.38	7.9	25.2	0.60
F11	01 Feb 2017	44	12.70	79.85	5.5	33.38	7.9	25.2	0.56
F11	01 Feb 2017	45	12.64	79.09	5.5	33.38	7.9	25.2	0.56
F11	01 Feb 2017	46	12.63	78.15	5.5	33.38	7.9	25.2	0.57
F11	01 Feb 2017	47	12.63	77.74	5.5	33.38	7.9	25.2	0.57
F11	01 Feb 2017	48	12.63	77.81	5.5	33.38	7.9	25.2	0.54
F11	01 Feb 2017	49	12.61	77.70	5.4	33.39	7.9	25.2	0.52
F11	01 Feb 2017	50	12.56	77.46	5.4	33.39	7.9	25.2	0.49
F11	01 Feb 2017	51	12.53	76.88	5.4	33.39	7.9	25.2	0.48
F11	01 Feb 2017	52	12.48	76.36	5.4	33.39	7.9	25.2	0.47
F11	01 Feb 2017	53	12.46	76.19	5.3	33.39	7.9	25.3	0.48
F11	01 Feb 2017	54	12.43	75.95	5.3	33.40	7.9	25.3	0.45
F11	01 Feb 2017	55	12.40	76.14	5.3	33.40	7.9	25.3	0.43
F11	01 Feb 2017	56	12.37	75.62	5.2	33.40	7.9	25.3	0.42
F11	01 Feb 2017	57	12.31	74.70	5.2	33.40	7.9	25.3	0.43
F11	01 Feb 2017	58	12.23	71.31	5.2	33.41	7.9	25.3	0.41
F11	01 Feb 2017	59	12.21	67.37	5.2	33.41	7.9	25.3	0.41
F11	01 Feb 2017	60	12.20	66.25	5.2	33.41	7.9	25.3	0.43
F11	01 Feb 2017	61	12.20	63.70	5.2	33.41	7.9	25.3	0.44
F12	01 Feb 2017	1	14.72	85.47	8.2	33.24	8.1	24.7	1.12
F12	01 Feb 2017	2	14.70	85.28	8.2	33.24	8.1	24.7	1.03
F12	01 Feb 2017	3	14.67	84.94	8.2	33.24	8.1	24.7	1.08
F12	01 Feb 2017	4	14.65	85.07	8.2	33.24	8.1	24.7	1.20
F12	01 Feb 2017	5	14.62	84.96	8.2	33.23	8.1	24.7	1.38
F12	01 Feb 2017	6	14.59	84.55	8.1	33.23	8.1	24.7	1.68
F12	01 Feb 2017	7	14.56	84.56	8.1	33.22	8.1	24.7	1.95
F12	01 Feb 2017	8	14.55	84.34	8.1	33.22	8.1	24.7	2.10
F12	01 Feb 2017	9	14.54	84.15	8.1	33.22	8.1	24.7	2.40
F12	01 Feb 2017	10	14.54	84.45	8.1	33.22	8.1	24.7	2.59
F12	01 Feb 2017	11	14.54	84.47	8.1	33.22	8.1	24.7	2.74
F12	01 Feb 2017	12	14.54	84.39	8.1	33.22	8.1	24.7	2.71
F12	01 Feb 2017	13	14.54	84.70	8.1	33.22	8.1	24.7	2.59
F12	01 Feb 2017	14	14.54	84.65	8.1	33.22	8.1	24.7	2.42
F12	01 Feb 2017	15	14.54	84.73	8.1	33.22	8.1	24.7	2.44
F12	01 Feb 2017	16	14.54	85.00	8.0	33.23	8.1	24.7	2.42
F12	01 Feb 2017	17	14.54	84.88	8.0	33.23	8.1	24.7	2.35
F12	01 Feb 2017	18	14.41	85.28	7.8	33.26	8.1	24.8	2.33
F12	01 Feb 2017	19	14.14	85.61	7.4	33.27	8.1	24.8	2.17
F12	01 Feb 2017	20	14.03	85.57	7.2	33.28	8.1	24.9	1.97
F12	01 Feb 2017	21	13.99	85.21	7.0	33.29	8.1	24.9	1.90
F12	01 Feb 2017	22	13.73	85.01	6.7	33.34	8.0	25.0	1.74
F12	01 Feb 2017	23	13.66	84.85	6.6	33.33	8.0	25.0	1.53
F12	01 Feb 2017	24	13.57	84.85	6.5	33.34	8.0	25.0	1.45
F12	01 Feb 2017	25	13.47	84.77	6.4	33.34	8.0	25.0	1.34
F12	01 Feb 2017	26	13.42	84.83	6.3	33.34	8.0	25.0	1.12
F12	01 Feb 2017	27	13.34	84.59	6.2	33.35	8.0	25.0	1.03
F12	01 Feb 2017	28	13.24	84.44	6.1	33.36	8.0	25.1	0.97
F12	01 Feb 2017	29	13.11	84.08	6.0	33.37	8.0	25.1	0.89
F12	01 Feb 2017	30	13.01	83.81	5.9	33.37	8.0	25.1	0.82
F12	01 Feb 2017	31	12.96	83.25	5.9	33.37	8.0	25.1	0.79
F12	01 Feb 2017	32	12.95	83.28	5.8	33.37	8.0	25.1	0.75
F12	01 Feb 2017	33	12.91	83.17	5.8	33.37	7.9	25.2	0.73
F12	01 Feb 2017	34	12.89	82.91	5.8	33.37	7.9	25.2	0.70
F12	01 Feb 2017	35	12.88	82.86	5.8	33.37	7.9	25.2	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F12	01 Feb 2017	36	12.86	82.71	5.8	33.37	7.9	25.2	0.69
F12	01 Feb 2017	37	12.84	82.46	5.8	33.37	7.9	25.2	0.67
F12	01 Feb 2017	38	12.79	82.48	5.7	33.38	7.9	25.2	0.66
F12	01 Feb 2017	39	12.73	82.30	5.6	33.38	7.9	25.2	0.64
F12	01 Feb 2017	40	12.69	82.12	5.6	33.38	7.9	25.2	0.62
F12	01 Feb 2017	41	12.65	81.79	5.6	33.38	7.9	25.2	0.59
F12	01 Feb 2017	42	12.64	81.61	5.6	33.38	7.9	25.2	0.59
F12	01 Feb 2017	43	12.57	81.45	5.5	33.39	7.9	25.2	0.58
F12	01 Feb 2017	44	12.42	81.06	5.4	33.41	7.9	25.3	0.53
F12	01 Feb 2017	45	12.32	80.37	5.3	33.40	7.9	25.3	0.47
F12	01 Feb 2017	46	12.32	80.07	5.3	33.40	7.9	25.3	0.42
F12	01 Feb 2017	47	12.32	79.81	5.3	33.40	7.9	25.3	0.41
F12	01 Feb 2017	48	12.32	79.30	5.3	33.40	7.9	25.3	0.40
F12	01 Feb 2017	49	12.32	79.12	5.3	33.40	7.9	25.3	0.39
F12	01 Feb 2017	50	12.31	79.01	5.3	33.40	7.9	25.3	0.42
F12	01 Feb 2017	51	12.32	78.95	5.3	33.40	7.9	25.3	0.40
F12	01 Feb 2017	52	12.32	78.59	5.3	33.40	7.9	25.3	0.39
F12	01 Feb 2017	53	12.32	78.79	5.3	33.40	7.9	25.3	0.40
F12	01 Feb 2017	54	12.32	79.06	5.3	33.40	7.9	25.3	0.43
F12	01 Feb 2017	55	12.32	78.83	5.3	33.40	7.9	25.3	0.44
F12	01 Feb 2017	56	12.32	78.35	5.3	33.40	7.9	25.3	0.41
F12	01 Feb 2017	57	12.32	78.25	5.3	33.40	7.9	25.3	0.41
F12	01 Feb 2017	58	12.31	77.95	5.3	33.40	7.9	25.3	0.39
F12	01 Feb 2017	59	12.30	76.89	5.3	33.40	7.9	25.3	0.40
F12	01 Feb 2017	60	12.29	75.16	5.3	33.40	7.9	25.3	0.41
F12	01 Feb 2017	61	12.26	72.97	5.2	33.40	7.9	25.3	0.41
F12	01 Feb 2017	62	12.23	71.14	5.2	33.41	7.9	25.3	0.41
F13	01 Feb 2017	1	14.57	76.58	8.5	33.19	8.1	24.7	3.98
F13	01 Feb 2017	2	14.57	75.85	8.5	33.19	8.1	24.7	4.15
F13	01 Feb 2017	3	14.56	75.94	8.4	33.19	8.1	24.7	5.42
F13	01 Feb 2017	4	14.55	76.76	8.3	33.20	8.1	24.7	5.70
F13	01 Feb 2017	5	14.54	78.08	8.2	33.20	8.1	24.7	5.67
F13	01 Feb 2017	6	14.55	79.61	8.2	33.20	8.1	24.7	4.87
F13	01 Feb 2017	7	14.54	80.87	8.0	33.22	8.1	24.7	4.15
F13	01 Feb 2017	8	14.44	81.59	7.8	33.25	8.1	24.7	3.80
F13	01 Feb 2017	9	14.29	82.03	7.5	33.27	8.1	24.8	3.53
F13	01 Feb 2017	10	14.17	81.76	7.4	33.27	8.1	24.8	3.53
F13	01 Feb 2017	11	14.04	82.28	7.2	33.29	8.1	24.9	3.23
F13	01 Feb 2017	12	13.99	85.21	7.0	33.30	8.1	24.9	2.25
F13	01 Feb 2017	13	13.96	85.57	7.0	33.30	8.0	24.9	1.87
F13	01 Feb 2017	14	13.94	85.51	7.0	33.30	8.0	24.9	1.71
F13	01 Feb 2017	15	13.93	85.87	6.9	33.31	8.0	24.9	1.65
F13	01 Feb 2017	16	13.91	85.83	6.9	33.31	8.0	24.9	1.57
F13	01 Feb 2017	17	13.88	85.71	6.9	33.31	8.0	24.9	1.53
F13	01 Feb 2017	18	13.84	85.76	6.8	33.31	8.0	24.9	1.50
F13	01 Feb 2017	19	13.81	85.38	6.7	33.32	8.0	24.9	1.45
F13	01 Feb 2017	20	13.77	85.43	6.7	33.32	8.0	24.9	1.37
F13	01 Feb 2017	21	13.70	85.30	6.6	33.32	8.0	25.0	1.33
F13	01 Feb 2017	22	13.66	85.26	6.6	33.33	8.0	25.0	1.27
F13	01 Feb 2017	23	13.62	85.16	6.5	33.33	8.0	25.0	1.24
F13	01 Feb 2017	24	13.56	84.96	6.5	33.34	8.0	25.0	1.19
F13	01 Feb 2017	25	13.52	84.64	6.4	33.34	8.0	25.0	1.15
F13	01 Feb 2017	26	13.51	84.52	6.4	33.34	8.0	25.0	1.09
F13	01 Feb 2017	27	13.50	84.43	6.4	33.34	8.0	25.0	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F13	01 Feb 2017	28	13.43	84.28	6.3	33.35	8.0	25.0	1.05
F13	01 Feb 2017	29	13.26	83.64	6.1	33.37	8.0	25.1	0.97
F13	01 Feb 2017	30	12.76	82.42	5.8	33.40	7.9	25.2	0.84
F13	01 Feb 2017	31	12.71	81.71	5.6	33.38	7.9	25.2	0.65
F13	01 Feb 2017	32	12.70	81.40	5.6	33.38	7.9	25.2	0.60
F13	01 Feb 2017	33	12.70	81.27	5.6	33.38	7.9	25.2	0.58
F13	01 Feb 2017	34	12.69	81.14	5.6	33.38	7.9	25.2	0.57
F13	01 Feb 2017	35	12.68	81.14	5.6	33.38	7.9	25.2	0.54
F13	01 Feb 2017	36	12.68	81.01	5.6	33.38	7.9	25.2	0.56
F13	01 Feb 2017	37	12.67	80.87	5.6	33.38	7.9	25.2	0.54
F13	01 Feb 2017	38	12.68	81.01	5.6	33.38	7.9	25.2	0.54
F13	01 Feb 2017	39	12.68	80.86	5.5	33.38	7.9	25.2	0.54
F13	01 Feb 2017	40	12.64	80.77	5.5	33.39	7.9	25.2	0.54
F13	01 Feb 2017	41	12.63	80.81	5.5	33.38	7.9	25.2	0.59
F13	01 Feb 2017	42	12.62	80.91	5.5	33.39	7.9	25.2	0.52
F13	01 Feb 2017	43	12.61	80.60	5.5	33.39	7.9	25.2	0.51
F13	01 Feb 2017	44	12.60	80.22	5.4	33.39	7.9	25.2	0.54
F13	01 Feb 2017	45	12.59	79.88	5.4	33.39	7.9	25.2	0.50
F13	01 Feb 2017	46	12.58	79.57	5.4	33.39	7.9	25.2	0.49
F13	01 Feb 2017	47	12.56	79.43	5.4	33.39	7.9	25.2	0.48
F13	01 Feb 2017	48	12.54	79.44	5.4	33.39	7.9	25.2	0.47
F13	01 Feb 2017	49	12.52	80.19	5.4	33.39	7.9	25.2	0.47
F13	01 Feb 2017	50	12.49	80.02	5.4	33.39	7.9	25.2	0.44
F13	01 Feb 2017	51	12.48	79.71	5.4	33.39	7.9	25.2	0.45
F13	01 Feb 2017	52	12.48	79.44	5.4	33.39	7.9	25.2	0.47
F13	01 Feb 2017	53	12.47	79.05	5.4	33.39	7.9	25.3	0.45
F13	01 Feb 2017	54	12.46	79.38	5.4	33.39	7.9	25.3	0.44
F13	01 Feb 2017	55	12.44	79.29	5.4	33.40	7.9	25.3	0.43
F13	01 Feb 2017	56	12.43	78.90	5.3	33.40	7.9	25.3	0.43
F13	01 Feb 2017	57	12.43	78.44	5.3	33.40	7.9	25.3	0.43
F13	01 Feb 2017	58	12.41	77.42	5.3	33.40	7.9	25.3	0.43
F13	01 Feb 2017	59	12.40	76.97	5.3	33.40	7.9	25.3	0.43
F13	01 Feb 2017	60	12.38	76.35	5.2	33.40	7.9	25.3	0.43
F13	01 Feb 2017	61	12.04	75.50	5.1	33.46	7.9	25.4	0.42
F13	01 Feb 2017	62	11.69	73.21	4.9	33.47	7.8	25.5	0.38
F14	01 Feb 2017	1	14.57	83.49	8.0	33.22	8.1	24.7	1.30
F14	01 Feb 2017	2	14.56	83.34	8.0	33.23	8.1	24.7	1.34
F14	01 Feb 2017	3	14.54	83.41	7.9	33.23	8.1	24.7	1.39
F14	01 Feb 2017	4	14.48	83.90	7.7	33.25	8.1	24.7	1.47
F14	01 Feb 2017	5	14.29	83.83	7.4	33.28	8.1	24.8	1.55
F14	01 Feb 2017	6	14.05	83.92	7.1	33.32	8.1	24.9	1.43
F14	01 Feb 2017	7	13.96	84.07	6.9	33.31	8.0	24.9	1.31
F14	01 Feb 2017	8	13.91	82.95	6.9	33.31	8.0	24.9	1.46
F14	01 Feb 2017	9	13.89	82.57	6.8	33.31	8.0	24.9	1.60
F14	01 Feb 2017	10	13.88	82.04	6.8	33.31	8.0	24.9	1.77
F14	01 Feb 2017	11	13.85	81.89	6.8	33.31	8.0	24.9	1.84
F14	01 Feb 2017	12	13.79	82.17	6.7	33.32	8.0	24.9	1.75
F14	01 Feb 2017	13	13.76	82.48	6.6	33.32	8.0	24.9	1.62
F14	01 Feb 2017	14	13.73	82.48	6.6	33.32	8.0	24.9	1.55
F14	01 Feb 2017	15	13.69	82.56	6.6	33.32	8.0	25.0	1.52
F14	01 Feb 2017	16	13.59	82.61	6.5	33.34	8.0	25.0	1.49
F14	01 Feb 2017	17	13.51	82.27	6.4	33.33	8.0	25.0	1.47
F14	01 Feb 2017	18	13.44	82.22	6.3	33.34	8.0	25.0	1.48
F14	01 Feb 2017	19	13.38	83.77	6.3	33.35	8.0	25.0	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F14	01 Feb 2017	20	13.30	84.92	6.2	33.36	8.0	25.1	1.05
F14	01 Feb 2017	21	13.16	85.94	6.1	33.37	8.0	25.1	0.90
F14	01 Feb 2017	22	13.05	85.80	6.0	33.37	8.0	25.1	0.76
F14	01 Feb 2017	23	13.01	85.24	6.0	33.37	8.0	25.1	0.71
F14	01 Feb 2017	24	13.00	84.84	5.9	33.37	8.0	25.1	0.69
F14	01 Feb 2017	25	12.95	83.59	5.8	33.37	8.0	25.1	0.68
F14	01 Feb 2017	26	12.87	82.40	5.8	33.38	7.9	25.2	0.64
F14	01 Feb 2017	27	12.78	82.02	5.7	33.38	7.9	25.2	0.60
F14	01 Feb 2017	28	12.63	81.28	5.6	33.39	7.9	25.2	0.58
F14	01 Feb 2017	29	12.57	80.94	5.5	33.39	7.9	25.2	0.56
F14	01 Feb 2017	30	12.44	81.42	5.5	33.40	7.9	25.3	0.54
F14	01 Feb 2017	31	12.40	82.34	5.5	33.39	7.9	25.3	0.45
F14	01 Feb 2017	32	12.40	82.75	5.5	33.39	7.9	25.3	0.42
F14	01 Feb 2017	33	12.41	82.53	5.5	33.39	7.9	25.3	0.41
F14	01 Feb 2017	34	12.36	82.15	5.4	33.40	7.9	25.3	0.40
F14	01 Feb 2017	35	12.33	81.48	5.4	33.40	7.9	25.3	0.39
F14	01 Feb 2017	36	12.29	81.22	5.4	33.40	7.9	25.3	0.40
F14	01 Feb 2017	37	12.28	80.76	5.3	33.40	7.9	25.3	0.38
F14	01 Feb 2017	38	12.28	80.58	5.3	33.40	7.9	25.3	0.37
F14	01 Feb 2017	39	12.28	80.38	5.3	33.40	7.9	25.3	0.37
F14	01 Feb 2017	40	12.27	80.23	5.3	33.40	7.9	25.3	0.38
F14	01 Feb 2017	41	12.27	80.12	5.3	33.40	7.9	25.3	0.38
F14	01 Feb 2017	42	12.26	80.05	5.3	33.41	7.9	25.3	0.37
F14	01 Feb 2017	43	12.25	79.89	5.3	33.41	7.9	25.3	0.38
F14	01 Feb 2017	44	12.24	79.73	5.3	33.41	7.9	25.3	0.37
F14	01 Feb 2017	45	12.23	79.86	5.2	33.41	7.9	25.3	0.38
F14	01 Feb 2017	46	12.21	79.52	5.2	33.41	7.9	25.3	0.37
F14	01 Feb 2017	47	12.21	79.45	5.2	33.41	7.9	25.3	0.35
F14	01 Feb 2017	48	12.20	79.20	5.2	33.41	7.9	25.3	0.36
F14	01 Feb 2017	49	12.20	79.44	5.2	33.41	7.9	25.3	0.34
F14	01 Feb 2017	50	12.19	79.63	5.2	33.41	7.9	25.3	0.35
F14	01 Feb 2017	51	12.18	79.80	5.2	33.41	7.9	25.3	0.34
F14	01 Feb 2017	52	12.18	79.62	5.2	33.41	7.9	25.3	0.34
F14	01 Feb 2017	53	12.16	78.55	5.2	33.41	7.9	25.3	0.35
F14	01 Feb 2017	54	12.15	77.40	5.2	33.41	7.9	25.3	0.34
F14	01 Feb 2017	55	12.11	76.28	5.2	33.42	7.9	25.3	0.33
F14	01 Feb 2017	56	12.04	74.97	5.1	33.43	7.9	25.4	0.33
F14	01 Feb 2017	57	11.86	71.44	5.0	33.44	7.9	25.4	0.31
F14	01 Feb 2017	58	11.77	66.80	4.9	33.45	7.8	25.4	0.29
F14	01 Feb 2017	59	11.74	61.55	4.9	33.44	7.8	25.4	0.27
F14	01 Feb 2017	60	11.73	56.81	4.9	33.44	7.8	25.4	0.28
F14	01 Feb 2017	61	11.73	54.84	4.9	33.44	7.8	25.4	0.28
F15	02 Feb 2017	1	15.04	90.68	8.0	33.32	8.1	24.7	0.27
F15	02 Feb 2017	2	15.03	90.74	8.0	33.33	8.1	24.7	0.26
F15	02 Feb 2017	3	14.99	90.72	8.0	33.33	8.1	24.7	0.24
F15	02 Feb 2017	4	14.95	90.64	8.0	33.33	8.1	24.7	0.26
F15	02 Feb 2017	5	14.92	90.45	8.0	33.33	8.1	24.7	0.28
F15	02 Feb 2017	6	14.90	90.51	8.0	33.33	8.1	24.7	0.29
F15	02 Feb 2017	7	14.89	90.53	8.0	33.33	8.1	24.7	0.30
F15	02 Feb 2017	8	14.88	90.44	8.0	33.33	8.1	24.7	0.32
F15	02 Feb 2017	9	14.87	90.60	8.0	33.33	8.1	24.7	0.33
F15	02 Feb 2017	10	14.86	90.57	7.9	33.33	8.1	24.7	0.36
F15	02 Feb 2017	11	14.85	90.55	8.0	33.33	8.1	24.7	0.37
F15	02 Feb 2017	12	14.85	90.56	8.0	33.33	8.1	24.7	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F15	02 Feb 2017	13	14.85	90.55	8.0	33.33	8.1	24.7	0.40
F15	02 Feb 2017	14	14.84	90.51	8.0	33.33	8.1	24.7	0.41
F15	02 Feb 2017	15	14.83	90.50	8.0	33.33	8.1	24.7	0.43
F15	02 Feb 2017	16	14.82	90.56	8.0	33.33	8.1	24.7	0.46
F15	02 Feb 2017	17	14.81	90.56	8.0	33.33	8.1	24.7	0.50
F15	02 Feb 2017	18	14.79	90.61	8.0	33.33	8.1	24.7	0.51
F15	02 Feb 2017	19	14.79	90.60	8.0	33.33	8.1	24.7	0.57
F15	02 Feb 2017	20	14.79	90.59	7.9	33.33	8.1	24.7	0.68
F15	02 Feb 2017	21	14.78	90.69	8.0	33.33	8.1	24.7	0.63
F15	02 Feb 2017	22	14.78	90.71	8.0	33.33	8.1	24.7	0.67
F15	02 Feb 2017	23	14.78	90.42	8.0	33.33	8.1	24.7	0.73
F15	02 Feb 2017	24	14.78	90.78	8.0	33.33	8.1	24.7	0.76
F15	02 Feb 2017	25	14.77	90.87	8.0	33.33	8.1	24.7	0.77
F15	02 Feb 2017	26	14.77	90.73	7.9	33.33	8.1	24.7	0.81
F15	02 Feb 2017	27	14.77	90.73	7.9	33.33	8.1	24.7	0.83
F15	02 Feb 2017	28	14.76	90.77	7.9	33.33	8.1	24.7	1.07
F15	02 Feb 2017	29	14.75	90.73	7.9	33.33	8.1	24.7	0.94
F15	02 Feb 2017	30	14.75	90.73	7.9	33.33	8.1	24.7	0.95
F15	02 Feb 2017	31	14.75	90.65	7.9	33.33	8.1	24.7	0.95
F15	02 Feb 2017	32	14.74	90.74	7.9	33.33	8.1	24.7	0.96
F15	02 Feb 2017	33	14.73	90.75	7.8	33.33	8.1	24.7	0.98
F15	02 Feb 2017	34	14.70	90.87	7.7	33.34	8.1	24.8	1.01
F15	02 Feb 2017	35	14.55	90.97	7.6	33.34	8.1	24.8	1.02
F15	02 Feb 2017	36	14.51	90.93	7.6	33.33	8.1	24.8	1.00
F15	02 Feb 2017	37	14.50	90.99	7.6	33.32	8.1	24.8	0.93
F15	02 Feb 2017	38	14.50	91.06	7.5	33.32	8.1	24.8	0.90
F15	02 Feb 2017	39	14.19	91.11	7.3	33.36	8.1	24.9	0.91
F15	02 Feb 2017	40	13.97	91.25	7.1	33.33	8.0	24.9	0.89
F15	02 Feb 2017	41	13.92	91.20	7.0	33.32	8.0	24.9	0.88
F15	02 Feb 2017	42	13.88	91.20	7.0	33.32	8.0	24.9	0.87
F15	02 Feb 2017	43	13.84	91.24	7.0	33.32	8.0	24.9	0.90
F15	02 Feb 2017	44	13.77	91.21	6.9	33.33	8.0	24.9	0.81
F15	02 Feb 2017	45	13.65	91.25	6.8	33.34	8.0	25.0	0.84
F15	02 Feb 2017	46	13.16	91.05	6.5	33.38	8.0	25.1	0.85
F15	02 Feb 2017	47	12.91	90.61	6.3	33.35	7.9	25.1	0.78
F15	02 Feb 2017	48	12.86	90.47	6.2	33.35	7.9	25.1	0.74
F15	02 Feb 2017	49	12.77	90.32	6.1	33.35	7.9	25.2	0.71
F15	02 Feb 2017	50	12.60	90.08	6.0	33.38	7.9	25.2	0.68
F15	02 Feb 2017	51	12.46	89.71	5.9	33.38	7.9	25.2	0.66
F15	02 Feb 2017	52	12.25	89.62	5.8	33.41	7.9	25.3	0.66
F15	02 Feb 2017	53	12.09	89.60	5.7	33.41	7.9	25.3	0.66
F15	02 Feb 2017	54	11.94	89.39	5.5	33.43	7.9	25.4	0.57
F15	02 Feb 2017	55	11.78	88.05	5.4	33.44	7.8	25.4	0.52
F15	02 Feb 2017	56	11.76	87.33	5.3	33.44	7.8	25.4	0.43
F15	02 Feb 2017	57	11.65	86.91	5.2	33.46	7.8	25.5	0.39
F15	02 Feb 2017	58	11.53	86.27	5.1	33.48	7.8	25.5	0.34
F15	02 Feb 2017	59	11.42	85.84	5.0	33.49	7.8	25.5	0.33
F15	02 Feb 2017	60	11.35	85.61	5.0	33.49	7.8	25.5	0.28
F15	02 Feb 2017	61	11.32	85.53	5.0	33.50	7.8	25.5	0.26
F15	02 Feb 2017	62	11.28	85.76	5.0	33.50	7.8	25.6	0.24
F15	02 Feb 2017	63	11.27	86.17	5.0	33.50	7.8	25.6	0.24
F15	02 Feb 2017	64	11.25	86.39	4.9	33.51	7.8	25.6	0.22
F15	02 Feb 2017	65	11.21	86.70	4.9	33.51	7.8	25.6	0.21
F15	02 Feb 2017	66	11.17	86.78	4.9	33.52	7.8	25.6	0.21
F15	02 Feb 2017	67	11.15	86.80	4.9	33.52	7.8	25.6	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F15	02 Feb 2017	68	11.11	86.84	4.9	33.53	7.8	25.6	0.21
F15	02 Feb 2017	69	11.00	87.19	4.9	33.55	7.8	25.6	0.21
F15	02 Feb 2017	70	10.91	87.95	4.8	33.56	7.8	25.7	0.18
F15	02 Feb 2017	71	10.84	88.33	4.8	33.57	7.8	25.7	0.17
F15	02 Feb 2017	72	10.74	88.21	4.7	33.59	7.8	25.7	0.16
F15	02 Feb 2017	73	10.64	87.70	4.6	33.61	7.8	25.8	0.14
F15	02 Feb 2017	74	10.52	85.96	4.4	33.64	7.8	25.8	0.13
F15	02 Feb 2017	75	10.51	70.74	4.2	33.65	7.7	25.8	0.14
F15	02 Feb 2017	76	10.50	63.49	4.2	33.65	7.7	25.8	0.15
F15	02 Feb 2017	77	10.49	59.99	4.2	33.65	7.7	25.8	0.15
F15	02 Feb 2017	78	10.49	56.12	4.2	33.65	7.7	25.8	0.17
F15	02 Feb 2017	79	10.49	46.91	4.2	33.65	7.7	25.8	0.17
F15	02 Feb 2017	80	10.49	44.84	4.2	33.65	7.7	25.8	0.17
F15	02 Feb 2017	81	10.50	43.22	4.1	33.65	7.7	25.8	0.18
F16	02 Feb 2017	1	15.01	89.72	8.0	33.33	8.1	24.7	0.26
F16	02 Feb 2017	2	15.01	89.94	8.0	33.33	8.1	24.7	0.25
F16	02 Feb 2017	3	14.98	90.05	8.0	33.33	8.1	24.7	0.27
F16	02 Feb 2017	4	14.96	90.13	8.0	33.33	8.1	24.7	0.27
F16	02 Feb 2017	5	14.94	90.03	8.0	33.33	8.1	24.7	0.30
F16	02 Feb 2017	6	14.92	90.01	8.0	33.33	8.1	24.7	0.30
F16	02 Feb 2017	7	14.92	90.04	8.0	33.33	8.1	24.7	0.32
F16	02 Feb 2017	8	14.91	89.95	8.0	33.33	8.1	24.7	0.34
F16	02 Feb 2017	9	14.91	89.89	8.0	33.33	8.1	24.7	0.38
F16	02 Feb 2017	10	14.90	89.87	8.0	33.33	8.1	24.7	0.39
F16	02 Feb 2017	11	14.89	89.89	8.0	33.33	8.1	24.7	0.39
F16	02 Feb 2017	12	14.89	89.86	8.0	33.33	8.1	24.7	0.42
F16	02 Feb 2017	13	14.88	90.00	8.0	33.33	8.1	24.7	0.43
F16	02 Feb 2017	14	14.87	89.98	8.0	33.33	8.1	24.7	0.46
F16	02 Feb 2017	15	14.85	89.98	8.0	33.33	8.1	24.7	0.49
F16	02 Feb 2017	16	14.84	89.93	8.0	33.33	8.1	24.7	0.52
F16	02 Feb 2017	17	14.83	89.93	8.0	33.33	8.1	24.7	0.59
F16	02 Feb 2017	18	14.82	90.01	8.0	33.33	8.1	24.7	0.63
F16	02 Feb 2017	19	14.80	90.00	8.0	33.33	8.1	24.7	0.66
F16	02 Feb 2017	20	14.77	89.97	8.0	33.32	8.1	24.7	0.75
F16	02 Feb 2017	21	14.75	90.00	7.9	33.32	8.1	24.7	0.81
F16	02 Feb 2017	22	14.74	89.99	8.0	33.32	8.1	24.7	0.87
F16	02 Feb 2017	23	14.74	89.98	8.0	33.32	8.1	24.7	0.95
F16	02 Feb 2017	24	14.74	89.99	8.0	33.32	8.1	24.7	1.00
F16	02 Feb 2017	25	14.73	90.06	8.0	33.32	8.1	24.7	1.04
F16	02 Feb 2017	26	14.73	90.07	8.0	33.32	8.1	24.7	1.07
F16	02 Feb 2017	27	14.72	90.13	8.0	33.33	8.1	24.7	1.08
F16	02 Feb 2017	28	14.70	90.23	7.9	33.32	8.1	24.7	1.09
F16	02 Feb 2017	29	14.69	90.28	7.9	33.32	8.1	24.7	1.14
F16	02 Feb 2017	30	14.68	90.33	7.8	33.32	8.1	24.7	1.12
F16	02 Feb 2017	31	14.63	90.45	7.8	33.33	8.1	24.8	1.19
F16	02 Feb 2017	32	14.43	90.76	7.6	33.33	8.1	24.8	1.22
F16	02 Feb 2017	33	14.40	90.78	7.5	33.32	8.1	24.8	1.07
F16	02 Feb 2017	34	14.39	90.78	7.5	33.32	8.1	24.8	1.07
F16	02 Feb 2017	35	14.38	90.78	7.5	33.32	8.1	24.8	1.04
F16	02 Feb 2017	36	14.35	90.84	7.5	33.32	8.1	24.8	1.02
F16	02 Feb 2017	37	14.21	90.80	7.3	33.33	8.0	24.9	0.98
F16	02 Feb 2017	38	14.04	90.99	7.2	33.33	8.0	24.9	0.95
F16	02 Feb 2017	39	13.93	91.05	7.1	33.33	8.0	24.9	0.88
F16	02 Feb 2017	40	13.72	91.12	6.8	33.34	8.0	25.0	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F16	02 Feb 2017	41	13.36	90.89	6.6	33.35	8.0	25.0	0.77
F16	02 Feb 2017	42	13.11	90.45	6.4	33.35	8.0	25.1	0.78
F16	02 Feb 2017	43	12.96	90.34	6.2	33.36	7.9	25.1	0.72
F16	02 Feb 2017	44	12.74	90.27	6.1	33.38	7.9	25.2	0.72
F16	02 Feb 2017	45	12.57	90.05	6.0	33.37	7.9	25.2	0.69
F16	02 Feb 2017	46	12.45	89.77	5.9	33.38	7.9	25.2	0.66
F16	02 Feb 2017	47	12.28	89.66	5.8	33.39	7.9	25.3	0.63
F16	02 Feb 2017	48	12.11	89.24	5.7	33.41	7.9	25.3	0.61
F16	02 Feb 2017	49	11.96	88.26	5.5	33.42	7.9	25.4	0.53
F16	02 Feb 2017	50	11.77	87.02	5.3	33.45	7.8	25.4	0.47
F16	02 Feb 2017	51	11.72	86.58	5.2	33.45	7.8	25.4	0.41
F16	02 Feb 2017	52	11.55	86.15	5.1	33.48	7.8	25.5	0.37
F16	02 Feb 2017	53	11.35	84.98	5.0	33.51	7.8	25.6	0.32
F16	02 Feb 2017	54	11.26	85.06	4.9	33.51	7.8	25.6	0.27
F16	02 Feb 2017	55	11.21	84.94	4.9	33.52	7.8	25.6	0.24
F16	02 Feb 2017	56	11.17	84.89	4.9	33.52	7.8	25.6	0.22
F16	02 Feb 2017	57	11.10	85.22	4.8	33.53	7.8	25.6	0.21
F16	02 Feb 2017	58	11.05	85.49	4.8	33.54	7.8	25.6	0.20
F16	02 Feb 2017	59	11.01	85.75	4.8	33.55	7.8	25.6	0.19
F16	02 Feb 2017	60	10.96	85.74	4.8	33.55	7.8	25.7	0.17
F16	02 Feb 2017	61	10.93	85.85	4.7	33.56	7.8	25.7	0.17
F16	02 Feb 2017	62	10.90	86.02	4.7	33.56	7.8	25.7	0.17
F16	02 Feb 2017	63	10.89	86.23	4.7	33.56	7.8	25.7	0.27
F16	02 Feb 2017	64	10.86	86.26	4.7	33.57	7.8	25.7	0.23
F16	02 Feb 2017	65	10.81	86.41	4.7	33.58	7.8	25.7	0.17
F16	02 Feb 2017	66	10.80	86.69	4.7	33.58	7.8	25.7	0.16
F16	02 Feb 2017	67	10.77	87.04	4.7	33.58	7.8	25.7	0.15
F16	02 Feb 2017	68	10.72	87.17	4.6	33.59	7.8	25.7	0.14
F16	02 Feb 2017	69	10.64	86.77	4.6	33.61	7.8	25.8	0.14
F16	02 Feb 2017	70	10.58	84.74	4.4	33.62	7.8	25.8	0.13
F16	02 Feb 2017	71	10.56	80.27	4.4	33.63	7.8	25.8	0.14
F16	02 Feb 2017	72	10.55	77.27	4.3	33.63	7.8	25.8	0.13
F16	02 Feb 2017	73	10.55	72.42	4.3	33.63	7.7	25.8	0.13
F16	02 Feb 2017	74	10.55	70.34	4.3	33.63	7.7	25.8	0.14
F16	02 Feb 2017	75	10.56	70.70	4.3	33.63	7.7	25.8	0.14
F16	02 Feb 2017	76	10.56	68.29	4.3	33.63	7.7	25.8	0.14
F16	02 Feb 2017	77	10.56	65.19	4.3	33.63	7.7	25.8	0.14
F16	02 Feb 2017	78	10.56	57.57	4.3	33.63	7.7	25.8	0.16
F16	02 Feb 2017	79	10.54	51.61	4.2	33.64	7.7	25.8	0.17
F16	02 Feb 2017	80	10.52	43.75	4.2	33.64	7.7	25.8	0.17
F16	02 Feb 2017	81	10.50	39.36	4.2	33.65	7.7	25.8	0.19
F17	02 Feb 2017	1	14.92	90.16	7.9	33.32	8.1	24.7	0.31
F17	02 Feb 2017	2	14.92	90.10	8.0	33.32	8.1	24.7	0.30
F17	02 Feb 2017	3	14.92	90.13	8.0	33.33	8.1	24.7	0.30
F17	02 Feb 2017	4	14.93	90.08	8.0	33.33	8.1	24.7	0.31
F17	02 Feb 2017	5	14.93	90.06	8.0	33.33	8.1	24.7	0.29
F17	02 Feb 2017	6	14.92	90.19	8.0	33.33	8.1	24.7	0.30
F17	02 Feb 2017	7	14.90	90.10	8.0	33.33	8.1	24.7	0.30
F17	02 Feb 2017	8	14.89	90.14	8.0	33.33	8.1	24.7	0.33
F17	02 Feb 2017	9	14.89	90.14	8.1	33.33	8.1	24.7	0.35
F17	02 Feb 2017	10	14.88	90.11	8.1	33.33	8.1	24.7	0.37
F17	02 Feb 2017	11	14.87	90.12	8.1	33.33	8.1	24.7	0.39
F17	02 Feb 2017	12	14.87	90.12	8.0	33.33	8.1	24.7	0.41
F17	02 Feb 2017	13	14.87	90.07	8.0	33.33	8.1	24.7	0.44

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F17	02 Feb 2017	14	14.87	90.08	8.1	33.33	8.1	24.7	0.46
F17	02 Feb 2017	15	14.86	90.07	8.1	33.33	8.1	24.7	0.47
F17	02 Feb 2017	16	14.86	90.06	8.0	33.33	8.1	24.7	0.49
F17	02 Feb 2017	17	14.86	90.01	8.1	33.33	8.1	24.7	0.52
F17	02 Feb 2017	18	14.86	89.90	8.0	33.33	8.1	24.7	0.55
F17	02 Feb 2017	19	14.86	89.98	8.1	33.33	8.1	24.7	0.56
F17	02 Feb 2017	20	14.85	90.04	8.1	33.33	8.1	24.7	0.60
F17	02 Feb 2017	21	14.85	90.07	8.1	33.33	8.1	24.7	0.61
F17	02 Feb 2017	22	14.84	90.12	8.1	33.33	8.1	24.7	0.61
F17	02 Feb 2017	23	14.81	90.33	8.1	33.33	8.1	24.7	0.62
F17	02 Feb 2017	24	14.77	90.45	8.1	33.33	8.1	24.7	0.63
F17	02 Feb 2017	25	14.74	90.46	8.0	33.33	8.1	24.7	0.69
F17	02 Feb 2017	26	14.74	90.49	8.0	33.33	8.1	24.7	0.76
F17	02 Feb 2017	27	14.73	90.49	8.0	33.33	8.1	24.7	0.81
F17	02 Feb 2017	28	14.72	90.62	8.0	33.33	8.1	24.7	0.88
F17	02 Feb 2017	29	14.70	90.49	7.9	33.34	8.1	24.8	0.93
F17	02 Feb 2017	30	14.69	90.48	7.9	33.34	8.1	24.8	1.02
F17	02 Feb 2017	31	14.68	90.43	7.9	33.34	8.1	24.8	1.08
F17	02 Feb 2017	32	14.67	90.30	7.9	33.33	8.1	24.8	1.13
F17	02 Feb 2017	33	14.65	90.28	7.8	33.34	8.1	24.8	1.15
F17	02 Feb 2017	34	14.57	90.30	7.7	33.34	8.1	24.8	1.23
F17	02 Feb 2017	35	14.51	90.27	7.6	33.34	8.1	24.8	1.21
F17	02 Feb 2017	36	14.41	90.22	7.5	33.34	8.1	24.8	1.13
F17	02 Feb 2017	37	14.36	90.29	7.5	33.33	8.1	24.8	1.13
F17	02 Feb 2017	38	14.26	90.49	7.4	33.34	8.0	24.8	1.12
F17	02 Feb 2017	39	14.19	90.63	7.2	33.33	8.0	24.9	1.03
F17	02 Feb 2017	40	13.56	90.89	6.8	33.38	8.0	25.0	0.91
F17	02 Feb 2017	41	13.36	90.72	6.5	33.35	8.0	25.0	0.80
F17	02 Feb 2017	42	13.03	90.53	6.3	33.37	8.0	25.1	0.78
F17	02 Feb 2017	43	12.92	90.32	6.2	33.34	7.9	25.1	0.73
F17	02 Feb 2017	44	12.75	89.71	6.0	33.37	7.9	25.2	0.67
F17	02 Feb 2017	45	12.69	89.03	5.9	33.37	7.9	25.2	0.64
F17	02 Feb 2017	46	12.62	88.58	5.8	33.37	7.9	25.2	0.61
F17	02 Feb 2017	47	12.60	88.16	5.7	33.37	7.9	25.2	0.57
F17	02 Feb 2017	48	12.44	88.09	5.7	33.39	7.9	25.3	0.58
F17	02 Feb 2017	49	12.28	88.86	5.7	33.39	7.9	25.3	0.55
F17	02 Feb 2017	50	11.92	87.63	5.4	33.46	7.9	25.4	0.52
F17	02 Feb 2017	51	11.71	85.77	5.2	33.46	7.8	25.4	0.42
F17	02 Feb 2017	52	11.50	85.26	5.1	33.49	7.8	25.5	0.36
F17	02 Feb 2017	53	11.38	85.18	5.0	33.50	7.8	25.5	0.30
F17	02 Feb 2017	54	11.33	85.27	5.0	33.50	7.8	25.5	0.26
F17	02 Feb 2017	55	11.30	85.45	5.0	33.50	7.8	25.6	0.24
F17	02 Feb 2017	56	11.24	85.59	4.9	33.51	7.8	25.6	0.23
F17	02 Feb 2017	57	11.17	85.21	4.8	33.52	7.8	25.6	0.21
F17	02 Feb 2017	58	11.13	84.81	4.8	33.53	7.8	25.6	0.20
F17	02 Feb 2017	59	11.07	84.73	4.8	33.54	7.8	25.6	0.20
F17	02 Feb 2017	60	11.01	84.77	4.7	33.55	7.8	25.6	0.18
F17	02 Feb 2017	61	10.98	84.98	4.7	33.55	7.8	25.7	0.17
F17	02 Feb 2017	62	10.93	85.23	4.7	33.56	7.8	25.7	0.17
F17	02 Feb 2017	63	10.89	85.51	4.7	33.56	7.8	25.7	0.16
F17	02 Feb 2017	64	10.80	85.54	4.6	33.58	7.8	25.7	0.15
F17	02 Feb 2017	65	10.75	85.97	4.6	33.59	7.8	25.7	0.14
F17	02 Feb 2017	66	10.72	86.13	4.6	33.59	7.8	25.7	0.14
F17	02 Feb 2017	67	10.67	86.17	4.5	33.60	7.8	25.7	0.13
F17	02 Feb 2017	68	10.65	86.12	4.5	33.60	7.8	25.8	0.13

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F17	02 Feb 2017	69	10.63	85.91	4.5	33.61	7.8	25.8	0.13
F17	02 Feb 2017	70	10.61	84.16	4.5	33.61	7.8	25.8	0.13
F17	02 Feb 2017	71	10.60	82.00	4.5	33.61	7.8	25.8	0.13
F17	02 Feb 2017	72	10.60	78.45	4.4	33.62	7.8	25.8	0.13
F17	02 Feb 2017	73	10.59	75.77	4.4	33.62	7.8	25.8	0.13
F17	02 Feb 2017	74	10.59	74.19	4.4	33.62	7.8	25.8	0.14
F17	02 Feb 2017	75	10.59	68.97	4.3	33.62	7.7	25.8	0.15
F17	02 Feb 2017	76	10.59	64.61	4.3	33.62	7.7	25.8	0.14
F17	02 Feb 2017	77	10.58	63.48	4.3	33.63	7.7	25.8	0.15
F17	02 Feb 2017	78	10.59	61.76	4.2	33.63	7.7	25.8	0.16
F17	02 Feb 2017	79	10.57	57.87	4.2	33.63	7.7	25.8	0.17
F17	02 Feb 2017	80	10.54	43.15	4.2	33.64	7.7	25.8	0.17
F17	02 Feb 2017	81	10.52	30.86	4.1	33.64	7.7	25.8	0.19
F18	02 Feb 2017	1	14.91	89.34	8.1	33.31	8.1	24.7	0.32
F18	02 Feb 2017	2	14.92	89.28	8.1	33.31	8.1	24.7	0.31
F18	02 Feb 2017	3	14.90	89.37	8.1	33.31	8.1	24.7	0.31
F18	02 Feb 2017	4	14.90	89.29	8.1	33.31	8.1	24.7	0.35
F18	02 Feb 2017	5	14.88	89.44	8.1	33.31	8.1	24.7	0.33
F18	02 Feb 2017	6	14.85	89.44	8.1	33.31	8.1	24.7	0.36
F18	02 Feb 2017	7	14.85	89.45	8.1	33.31	8.1	24.7	0.40
F18	02 Feb 2017	8	14.84	89.54	8.1	33.31	8.1	24.7	0.42
F18	02 Feb 2017	9	14.84	89.50	8.1	33.31	8.1	24.7	0.45
F18	02 Feb 2017	10	14.83	89.41	8.1	33.31	8.1	24.7	0.49
F18	02 Feb 2017	11	14.84	89.36	8.0	33.31	8.1	24.7	0.56
F18	02 Feb 2017	12	14.83	89.41	8.0	33.31	8.1	24.7	0.58
F18	02 Feb 2017	13	14.81	89.36	8.1	33.31	8.1	24.7	0.60
F18	02 Feb 2017	14	14.81	89.39	8.1	33.31	8.1	24.7	0.66
F18	02 Feb 2017	15	14.82	89.27	8.1	33.31	8.1	24.7	0.66
F18	02 Feb 2017	16	14.83	89.47	8.1	33.31	8.1	24.7	0.66
F18	02 Feb 2017	17	14.83	89.54	8.1	33.32	8.1	24.7	0.67
F18	02 Feb 2017	18	14.80	89.56	8.0	33.31	8.1	24.7	0.74
F18	02 Feb 2017	19	14.79	89.34	8.1	33.31	8.1	24.7	0.80
F18	02 Feb 2017	20	14.78	89.21	8.0	33.30	8.1	24.7	0.82
F18	02 Feb 2017	21	14.78	89.15	8.0	33.30	8.1	24.7	0.89
F18	02 Feb 2017	22	14.78	89.39	8.0	33.30	8.1	24.7	0.91
F18	02 Feb 2017	23	14.77	89.43	8.0	33.30	8.1	24.7	0.92
F18	02 Feb 2017	24	14.77	89.47	8.0	33.30	8.1	24.7	1.00
F18	02 Feb 2017	25	14.77	89.50	8.0	33.31	8.1	24.7	1.01
F18	02 Feb 2017	26	14.72	89.46	8.0	33.30	8.1	24.7	1.02
F18	02 Feb 2017	27	14.69	89.17	7.9	33.30	8.1	24.7	1.11
F18	02 Feb 2017	28	14.68	89.21	7.9	33.30	8.1	24.7	1.27
F18	02 Feb 2017	29	14.64	89.01	7.8	33.30	8.1	24.7	1.29
F18	02 Feb 2017	30	14.64	89.15	7.8	33.30	8.1	24.7	1.37
F18	02 Feb 2017	31	14.63	88.99	7.8	33.30	8.1	24.7	1.41
F18	02 Feb 2017	32	14.61	88.88	7.7	33.30	8.1	24.7	1.43
F18	02 Feb 2017	33	14.61	88.91	7.7	33.30	8.1	24.7	1.47
F18	02 Feb 2017	34	14.59	88.74	7.7	33.30	8.1	24.7	1.51
F18	02 Feb 2017	35	14.56	88.80	7.6	33.30	8.1	24.8	1.46
F18	02 Feb 2017	36	14.50	88.79	7.5	33.31	8.1	24.8	1.48
F18	02 Feb 2017	37	14.47	88.78	7.5	33.31	8.1	24.8	1.39
F18	02 Feb 2017	38	14.44	88.89	7.4	33.32	8.1	24.8	1.49
F18	02 Feb 2017	39	14.44	89.48	7.5	33.33	8.1	24.8	1.44
F18	02 Feb 2017	40	14.43	89.67	7.4	33.33	8.1	24.8	1.26
F18	02 Feb 2017	41	14.40	89.87	7.4	33.33	8.1	24.8	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F18	02 Feb 2017	42	14.37	90.19	7.4	33.34	8.1	24.8	1.19
F18	02 Feb 2017	43	14.29	90.23	7.4	33.34	8.1	24.8	1.17
F18	02 Feb 2017	44	14.17	90.43	7.2	33.34	8.0	24.9	1.12
F18	02 Feb 2017	45	13.91	90.54	7.0	33.34	8.0	24.9	1.00
F18	02 Feb 2017	46	13.58	90.62	6.7	33.37	8.0	25.0	0.96
F18	02 Feb 2017	47	13.23	90.38	6.4	33.36	8.0	25.1	0.90
F18	02 Feb 2017	48	13.09	90.12	6.3	33.37	7.9	25.1	0.82
F18	02 Feb 2017	49	12.95	89.78	6.1	33.37	7.9	25.1	0.71
F18	02 Feb 2017	50	12.74	89.39	6.0	33.38	7.9	25.2	0.67
F18	02 Feb 2017	51	12.67	88.31	5.8	33.37	7.9	25.2	0.67
F18	02 Feb 2017	52	12.59	87.83	5.7	33.38	7.9	25.2	0.61
F18	02 Feb 2017	53	12.46	87.82	5.7	33.39	7.9	25.3	0.58
F18	02 Feb 2017	54	12.33	87.70	5.6	33.40	7.9	25.3	0.55
F18	02 Feb 2017	55	12.14	87.11	5.5	33.42	7.9	25.3	0.54
F18	02 Feb 2017	56	11.96	86.72	5.4	33.45	7.8	25.4	0.47
F18	02 Feb 2017	57	11.75	86.45	5.2	33.47	7.8	25.4	0.44
F18	02 Feb 2017	58	11.59	86.17	5.1	33.48	7.8	25.5	0.38
F18	02 Feb 2017	59	11.50	85.93	5.1	33.48	7.8	25.5	0.33
F18	02 Feb 2017	60	11.39	85.74	5.0	33.50	7.8	25.5	0.28
F18	02 Feb 2017	61	11.25	85.68	4.9	33.52	7.8	25.6	0.25
F18	02 Feb 2017	62	11.18	85.59	4.9	33.52	7.8	25.6	0.23
F18	02 Feb 2017	63	11.11	85.67	4.8	33.54	7.8	25.6	0.21
F18	02 Feb 2017	64	11.04	85.53	4.8	33.55	7.8	25.6	0.20
F18	02 Feb 2017	65	10.99	85.37	4.7	33.55	7.8	25.7	0.18
F18	02 Feb 2017	66	10.94	84.44	4.7	33.56	7.8	25.7	0.18
F18	02 Feb 2017	67	10.84	82.57	4.6	33.58	7.8	25.7	0.17
F18	02 Feb 2017	68	10.80	83.20	4.6	33.58	7.8	25.7	0.16
F18	02 Feb 2017	69	10.75	82.42	4.6	33.59	7.8	25.7	0.16
F18	02 Feb 2017	70	10.70	75.18	4.5	33.60	7.8	25.7	0.16
F18	02 Feb 2017	71	10.68	69.75	4.4	33.60	7.8	25.7	0.15
F18	02 Feb 2017	72	10.68	68.52	4.4	33.60	7.8	25.7	0.16
F18	02 Feb 2017	73	10.67	67.97	4.4	33.60	7.8	25.7	0.16
F18	02 Feb 2017	74	10.66	66.62	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	75	10.65	65.74	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	76	10.64	66.00	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	77	10.64	65.97	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	78	10.63	65.74	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	79	10.62	65.09	4.4	33.61	7.8	25.8	0.16
F18	02 Feb 2017	80	10.58	58.30	4.3	33.63	7.7	25.8	0.16
F18	02 Feb 2017	81	10.54	41.70	4.2	33.63	7.7	25.8	0.17
F19	02 Feb 2017	1	14.85	88.54	8.1	33.30	8.1	24.7	0.36
F19	02 Feb 2017	2	14.82	88.88	8.1	33.30	8.1	24.7	0.36
F19	02 Feb 2017	3	14.82	88.97	8.1	33.30	8.1	24.7	0.37
F19	02 Feb 2017	4	14.81	89.07	8.1	33.30	8.1	24.7	0.36
F19	02 Feb 2017	5	14.79	89.12	8.1	33.30	8.1	24.7	0.39
F19	02 Feb 2017	6	14.79	89.10	8.1	33.30	8.1	24.7	0.42
F19	02 Feb 2017	7	14.79	89.13	8.1	33.30	8.1	24.7	0.44
F19	02 Feb 2017	8	14.79	89.11	8.0	33.29	8.1	24.7	0.45
F19	02 Feb 2017	9	14.79	89.17	8.1	33.29	8.1	24.7	0.48
F19	02 Feb 2017	10	14.78	89.03	8.0	33.29	8.1	24.7	0.53
F19	02 Feb 2017	11	14.78	89.01	8.0	33.29	8.1	24.7	0.58
F19	02 Feb 2017	12	14.77	89.10	8.0	33.29	8.1	24.7	0.59
F19	02 Feb 2017	13	14.77	89.01	8.1	33.29	8.1	24.7	0.63
F19	02 Feb 2017	14	14.77	89.19	8.1	33.30	8.1	24.7	0.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F19	02 Feb 2017	15	14.77	89.13	8.1	33.30	8.1	24.7	0.72
F19	02 Feb 2017	16	14.77	89.04	8.1	33.30	8.1	24.7	0.80
F19	02 Feb 2017	17	14.77	89.06	8.1	33.30	8.1	24.7	0.80
F19	02 Feb 2017	18	14.77	89.01	8.0	33.30	8.1	24.7	0.86
F19	02 Feb 2017	19	14.77	89.05	8.1	33.30	8.1	24.7	0.90
F19	02 Feb 2017	20	14.77	89.14	8.1	33.30	8.1	24.7	0.88
F19	02 Feb 2017	21	14.77	89.10	8.1	33.30	8.1	24.7	0.89
F19	02 Feb 2017	22	14.77	89.01	8.1	33.30	8.1	24.7	0.87
F19	02 Feb 2017	23	14.77	88.96	8.1	33.30	8.1	24.7	0.88
F19	02 Feb 2017	24	14.77	89.07	8.1	33.30	8.1	24.7	0.89
F19	02 Feb 2017	25	14.77	89.15	8.1	33.30	8.1	24.7	0.89
F19	02 Feb 2017	26	14.77	89.14	8.1	33.30	8.1	24.7	0.89
F19	02 Feb 2017	27	14.77	89.17	8.1	33.30	8.1	24.7	0.94
F19	02 Feb 2017	28	14.76	89.13	8.0	33.30	8.1	24.7	0.92
F19	02 Feb 2017	29	14.76	89.22	8.1	33.30	8.1	24.7	1.00
F19	02 Feb 2017	30	14.76	89.25	8.0	33.30	8.1	24.7	0.99
F19	02 Feb 2017	31	14.76	89.21	8.0	33.30	8.1	24.7	1.04
F19	02 Feb 2017	32	14.76	89.36	8.0	33.30	8.1	24.7	1.01
F19	02 Feb 2017	33	14.76	89.19	8.0	33.30	8.1	24.7	1.07
F19	02 Feb 2017	34	14.75	89.38	8.0	33.30	8.1	24.7	1.08
F19	02 Feb 2017	35	14.72	89.39	8.0	33.30	8.1	24.7	1.12
F19	02 Feb 2017	36	14.70	89.20	7.9	33.30	8.1	24.7	1.27
F19	02 Feb 2017	37	14.65	89.30	7.8	33.31	8.1	24.7	1.28
F19	02 Feb 2017	38	14.49	88.97	7.5	33.32	8.1	24.8	1.38
F19	02 Feb 2017	39	14.40	88.40	7.4	33.31	8.1	24.8	1.39
F19	02 Feb 2017	40	14.39	88.56	7.4	33.31	8.0	24.8	1.45
F19	02 Feb 2017	41	14.40	88.86	7.4	33.32	8.0	24.8	1.31
F19	02 Feb 2017	42	14.39	89.39	7.4	33.33	8.1	24.8	1.46
F19	02 Feb 2017	43	14.39	89.91	7.4	33.33	8.1	24.8	1.51
F19	02 Feb 2017	44	14.38	90.01	7.4	33.33	8.1	24.8	1.30
F19	02 Feb 2017	45	14.38	90.13	7.4	33.33	8.1	24.8	1.27
F19	02 Feb 2017	46	14.38	90.18	7.4	33.33	8.1	24.8	1.27
F19	02 Feb 2017	47	14.37	90.15	7.4	33.33	8.1	24.8	1.23
F19	02 Feb 2017	48	14.29	90.33	7.4	33.34	8.0	24.8	1.19
F19	02 Feb 2017	49	14.20	90.35	7.2	33.34	8.0	24.9	1.19
F19	02 Feb 2017	50	13.91	90.39	7.0	33.37	8.0	24.9	1.08
F19	02 Feb 2017	51	13.66	90.47	6.8	33.36	8.0	25.0	0.95
F19	02 Feb 2017	52	13.35	90.48	6.5	33.37	8.0	25.1	0.95
F19	02 Feb 2017	53	13.01	90.24	6.3	33.38	8.0	25.1	0.83
F19	02 Feb 2017	54	12.83	89.88	6.1	33.36	7.9	25.2	0.76
F19	02 Feb 2017	55	12.67	89.14	5.9	33.38	7.9	25.2	0.67
F19	02 Feb 2017	56	12.41	88.03	5.7	33.41	7.9	25.3	0.62
F19	02 Feb 2017	57	12.30	87.36	5.6	33.40	7.9	25.3	0.56
F19	02 Feb 2017	58	12.24	87.32	5.5	33.40	7.9	25.3	0.52
F19	02 Feb 2017	59	12.18	87.28	5.5	33.41	7.9	25.3	0.49
F19	02 Feb 2017	60	12.07	87.15	5.4	33.43	7.9	25.4	0.53
F19	02 Feb 2017	61	11.88	86.74	5.3	33.45	7.8	25.4	0.49
F19	02 Feb 2017	62	11.75	86.50	5.2	33.46	7.8	25.4	0.47
F19	02 Feb 2017	63	11.61	86.32	5.2	33.48	7.8	25.5	0.38
F19	02 Feb 2017	64	11.51	85.98	5.1	33.48	7.8	25.5	0.32
F19	02 Feb 2017	65	11.43	85.84	5.0	33.50	7.8	25.5	0.29
F19	02 Feb 2017	66	11.26	85.72	4.9	33.53	7.8	25.6	0.26
F19	02 Feb 2017	67	11.04	81.47	4.8	33.55	7.8	25.6	0.22
F19	02 Feb 2017	68	10.93	78.44	4.7	33.57	7.8	25.7	0.21
F19	02 Feb 2017	69	10.88	75.87	4.7	33.57	7.8	25.7	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F19	02 Feb 2017	70	10.86	74.06	4.6	33.57	7.8	25.7	0.18
F19	02 Feb 2017	71	10.82	71.99	4.6	33.58	7.8	25.7	0.18
F19	02 Feb 2017	72	10.77	70.78	4.6	33.59	7.8	25.7	0.18
F19	02 Feb 2017	73	10.76	67.95	4.5	33.59	7.8	25.7	0.18
F19	02 Feb 2017	74	10.74	66.23	4.5	33.59	7.8	25.7	0.17
F19	02 Feb 2017	75	10.71	65.51	4.5	33.60	7.8	25.7	0.17
F19	02 Feb 2017	76	10.69	65.80	4.5	33.60	7.8	25.7	0.19
F19	02 Feb 2017	77	10.66	63.37	4.4	33.61	7.8	25.8	0.18
F19	02 Feb 2017	78	10.63	53.10	4.4	33.61	7.8	25.8	0.18
F19	02 Feb 2017	79	10.61	45.02	4.4	33.61	7.8	25.8	0.20
F19	02 Feb 2017	80	10.61	39.82	4.4	33.61	7.8	25.8	0.20
F19	02 Feb 2017	81	10.60	38.07	4.4	33.61	7.8	25.8	0.21
F20	02 Feb 2017	1	14.78	89.79	8.1	33.31	8.1	24.7	0.39
F20	02 Feb 2017	2	14.78	89.59	8.1	33.31	8.1	24.7	0.37
F20	02 Feb 2017	3	14.77	89.74	8.1	33.31	8.1	24.7	0.39
F20	02 Feb 2017	4	14.77	89.66	8.1	33.31	8.1	24.7	0.40
F20	02 Feb 2017	5	14.77	89.76	8.1	33.31	8.1	24.7	0.41
F20	02 Feb 2017	6	14.77	89.81	8.0	33.32	8.1	24.7	0.47
F20	02 Feb 2017	7	14.76	89.88	8.0	33.32	8.1	24.7	0.44
F20	02 Feb 2017	8	14.75	89.89	8.0	33.32	8.1	24.7	0.45
F20	02 Feb 2017	9	14.75	89.92	8.0	33.32	8.1	24.7	0.49
F20	02 Feb 2017	10	14.75	89.94	8.0	33.32	8.1	24.7	0.50
F20	02 Feb 2017	11	14.75	89.87	8.0	33.32	8.1	24.7	0.52
F20	02 Feb 2017	12	14.75	89.90	8.0	33.32	8.1	24.7	0.55
F20	02 Feb 2017	13	14.75	89.90	8.0	33.32	8.1	24.7	0.59
F20	02 Feb 2017	14	14.75	89.95	8.0	33.32	8.1	24.7	0.62
F20	02 Feb 2017	15	14.75	89.96	8.0	33.32	8.1	24.7	0.67
F20	02 Feb 2017	16	14.74	89.95	8.0	33.32	8.1	24.7	0.69
F20	02 Feb 2017	17	14.74	90.02	8.0	33.32	8.1	24.7	0.74
F20	02 Feb 2017	18	14.71	90.01	7.9	33.33	8.1	24.7	0.78
F20	02 Feb 2017	19	14.58	89.96	7.8	33.33	8.1	24.8	0.82
F20	02 Feb 2017	20	14.54	89.75	7.7	33.32	8.1	24.8	0.92
F20	02 Feb 2017	21	14.46	89.18	7.6	33.33	8.1	24.8	1.05
F20	02 Feb 2017	22	14.42	88.19	7.6	33.33	8.1	24.8	1.15
F20	02 Feb 2017	23	14.30	87.17	7.4	33.34	8.1	24.8	1.25
F20	02 Feb 2017	24	14.22	85.82	7.3	33.34	8.0	24.9	1.43
F20	02 Feb 2017	25	13.97	83.52	7.1	33.34	8.0	24.9	1.47
F20	02 Feb 2017	26	13.94	83.04	7.0	33.33	8.0	24.9	1.50
F20	02 Feb 2017	27	13.92	83.10	7.0	33.34	8.0	24.9	1.51
F20	02 Feb 2017	28	13.89	83.22	7.0	33.33	8.0	24.9	1.54
F20	02 Feb 2017	29	13.89	83.12	6.9	33.34	8.0	24.9	1.60
F20	02 Feb 2017	30	13.82	83.08	6.9	33.34	8.0	24.9	1.59
F20	02 Feb 2017	31	13.79	83.05	6.8	33.34	8.0	24.9	1.59
F20	02 Feb 2017	32	13.79	82.82	6.8	33.34	8.0	24.9	1.55
F20	02 Feb 2017	33	13.72	82.79	6.7	33.34	8.0	25.0	1.62
F20	02 Feb 2017	34	13.72	83.12	6.7	33.34	8.0	25.0	1.60
F20	02 Feb 2017	35	13.72	83.08	6.7	33.34	8.0	25.0	1.60
F20	02 Feb 2017	36	13.72	83.28	6.7	33.34	8.0	25.0	1.62
F20	02 Feb 2017	37	13.71	83.14	6.7	33.34	8.0	25.0	1.59
F20	02 Feb 2017	38	13.69	83.04	6.7	33.34	8.0	25.0	1.55
F20	02 Feb 2017	39	13.68	83.42	6.6	33.34	8.0	25.0	1.56
F20	02 Feb 2017	40	13.63	83.13	6.6	33.35	8.0	25.0	1.49
F20	02 Feb 2017	41	13.47	82.81	6.4	33.36	8.0	25.0	1.44
F20	02 Feb 2017	42	13.39	81.93	6.3	33.35	8.0	25.0	1.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F20	02 Feb 2017	43	13.36	81.33	6.2	33.35	7.9	25.0	1.43
F20	02 Feb 2017	44	13.28	80.68	6.2	33.35	7.9	25.1	1.41
F20	02 Feb 2017	45	13.19	79.73	6.0	33.36	7.9	25.1	1.34
F20	02 Feb 2017	46	13.14	79.34	6.0	33.36	7.9	25.1	1.29
F20	02 Feb 2017	47	13.09	79.05	5.9	33.36	7.9	25.1	1.25
F20	02 Feb 2017	48	13.04	78.38	5.9	33.37	7.9	25.1	1.20
F20	02 Feb 2017	49	13.02	78.49	5.9	33.36	7.9	25.1	1.18
F20	02 Feb 2017	50	13.02	79.20	5.9	33.36	7.9	25.1	1.18
F20	02 Feb 2017	51	13.02	79.73	5.9	33.36	7.9	25.1	1.12
F20	02 Feb 2017	52	13.02	80.55	5.9	33.36	7.9	25.1	1.07
F20	02 Feb 2017	53	13.01	80.76	5.9	33.36	7.9	25.1	1.06
F20	02 Feb 2017	54	13.01	80.16	5.9	33.36	7.9	25.1	1.07
F20	02 Feb 2017	55	12.98	80.01	5.9	33.37	7.9	25.1	1.08
F20	02 Feb 2017	56	12.90	80.40	5.8	33.38	7.9	25.2	1.05
F20	02 Feb 2017	57	12.55	82.31	5.7	33.41	7.9	25.2	0.95
F20	02 Feb 2017	58	12.44	84.96	5.6	33.39	7.9	25.3	0.76
F20	02 Feb 2017	59	12.50	85.33	5.6	33.39	7.9	25.2	0.66
F20	02 Feb 2017	60	12.43	85.19	5.6	33.39	7.9	25.3	0.64
F20	02 Feb 2017	61	12.42	84.90	5.6	33.39	7.9	25.3	0.58
F20	02 Feb 2017	62	12.42	84.65	5.6	33.39	7.9	25.3	0.63
F20	02 Feb 2017	63	12.42	85.06	5.6	33.39	7.9	25.3	0.61
F20	02 Feb 2017	64	12.42	85.02	5.6	33.39	7.9	25.3	0.55
F20	02 Feb 2017	65	12.42	85.43	5.6	33.39	7.9	25.3	0.55
F20	02 Feb 2017	66	12.29	84.54	5.5	33.42	7.9	25.3	0.63
F20	02 Feb 2017	67	11.86	81.10	5.3	33.47	7.8	25.4	0.58
F20	02 Feb 2017	68	11.51	82.33	5.1	33.50	7.8	25.5	0.48
F20	02 Feb 2017	69	11.17	78.31	4.8	33.55	7.8	25.6	0.39
F20	02 Feb 2017	70	11.00	74.58	4.7	33.55	7.8	25.6	0.32
F20	02 Feb 2017	71	10.97	73.28	4.7	33.55	7.8	25.7	0.24
F20	02 Feb 2017	72	10.90	72.72	4.6	33.56	7.8	25.7	0.21
F20	02 Feb 2017	73	10.84	72.86	4.6	33.57	7.8	25.7	0.21
F20	02 Feb 2017	74	10.81	72.56	4.6	33.58	7.8	25.7	0.20
F20	02 Feb 2017	75	10.80	71.49	4.5	33.58	7.8	25.7	0.20
F20	02 Feb 2017	76	10.80	70.70	4.5	33.58	7.8	25.7	0.19
F20	02 Feb 2017	77	10.80	71.17	4.5	33.58	7.8	25.7	0.18
F20	02 Feb 2017	78	10.80	71.16	4.5	33.58	7.8	25.7	0.18
F20	02 Feb 2017	79	10.78	69.36	4.5	33.58	7.8	25.7	0.18
F20	02 Feb 2017	80	10.69	66.17	4.4	33.61	7.8	25.7	0.19
F20	02 Feb 2017	81	10.63	51.66	4.3	33.61	7.7	25.8	0.19
F20	02 Feb 2017	82	10.62	44.96	4.3	33.62	7.7	25.8	0.21
F21	02 Feb 2017	1	14.91	86.12	8.1	33.24	8.1	24.6	0.73
F21	02 Feb 2017	2	14.92	86.16	8.2	33.24	8.1	24.6	0.78
F21	02 Feb 2017	3	14.88	86.42	8.2	33.24	8.1	24.6	0.80
F21	02 Feb 2017	4	14.77	86.19	8.2	33.23	8.1	24.7	1.02
F21	02 Feb 2017	5	14.71	85.52	8.2	33.23	8.1	24.7	1.27
F21	02 Feb 2017	6	14.70	85.47	8.2	33.23	8.1	24.7	1.45
F21	02 Feb 2017	7	14.67	85.27	8.2	33.23	8.1	24.7	1.71
F21	02 Feb 2017	8	14.69	85.11	8.2	33.23	8.1	24.7	1.78
F21	02 Feb 2017	9	14.67	85.28	8.1	33.23	8.1	24.7	1.98
F21	02 Feb 2017	10	14.64	85.24	8.1	33.23	8.1	24.7	2.33
F21	02 Feb 2017	11	14.60	84.58	8.1	33.23	8.1	24.7	2.28
F21	02 Feb 2017	12	14.58	84.38	8.1	33.24	8.1	24.7	2.33
F21	02 Feb 2017	13	14.58	84.69	8.1	33.24	8.1	24.7	2.70
F21	02 Feb 2017	14	14.57	84.23	8.1	33.24	8.1	24.7	3.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F21	02 Feb 2017	15	14.57	84.46	8.1	33.24	8.1	24.7	3.31
F21	02 Feb 2017	16	14.57	84.25	8.1	33.24	8.1	24.7	2.73
F21	02 Feb 2017	17	14.56	84.38	8.1	33.24	8.1	24.7	2.64
F21	02 Feb 2017	18	14.55	84.58	8.1	33.24	8.1	24.7	2.81
F21	02 Feb 2017	19	14.56	84.84	8.1	33.25	8.1	24.7	2.61
F21	02 Feb 2017	20	14.55	85.07	8.0	33.25	8.1	24.7	2.81
F21	02 Feb 2017	21	14.56	85.37	8.0	33.25	8.1	24.7	2.94
F21	02 Feb 2017	22	14.52	85.41	8.0	33.25	8.1	24.7	2.65
F21	02 Feb 2017	23	14.48	85.13	7.9	33.25	8.1	24.7	2.62
F21	02 Feb 2017	24	14.46	85.09	7.9	33.25	8.1	24.7	2.82
F21	02 Feb 2017	25	14.45	85.08	7.9	33.25	8.1	24.7	2.79
F21	02 Feb 2017	26	14.37	85.20	7.7	33.27	8.1	24.8	2.65
F21	02 Feb 2017	27	14.24	85.53	7.4	33.29	8.1	24.8	2.38
F21	02 Feb 2017	28	14.16	86.05	7.2	33.30	8.0	24.8	2.01
F21	02 Feb 2017	29	14.13	86.37	7.2	33.30	8.0	24.8	1.80
F21	02 Feb 2017	30	14.11	86.18	7.2	33.30	8.0	24.9	1.77
F21	02 Feb 2017	31	14.02	86.13	7.1	33.32	8.0	24.9	1.80
F21	02 Feb 2017	32	13.90	86.07	6.9	33.32	8.0	24.9	1.69
F21	02 Feb 2017	33	13.86	85.47	6.9	33.32	8.0	24.9	1.73
F21	02 Feb 2017	34	13.83	84.95	6.8	33.32	8.0	24.9	1.73
F21	02 Feb 2017	35	13.81	84.84	6.8	33.32	8.0	24.9	1.84
F21	02 Feb 2017	36	13.80	84.54	6.8	33.32	8.0	24.9	1.80
F21	02 Feb 2017	37	13.77	84.29	6.7	33.32	8.0	24.9	1.76
F21	02 Feb 2017	38	13.69	84.77	6.6	33.33	8.0	25.0	1.69
F21	02 Feb 2017	39	13.63	84.71	6.6	33.33	8.0	25.0	1.65
F21	02 Feb 2017	40	13.58	84.32	6.5	33.34	8.0	25.0	1.65
F21	02 Feb 2017	41	13.55	83.76	6.5	33.34	8.0	25.0	1.62
F21	02 Feb 2017	42	13.53	83.06	6.4	33.34	8.0	25.0	1.57
F21	02 Feb 2017	43	13.47	82.45	6.3	33.35	8.0	25.0	1.51
F21	02 Feb 2017	44	13.03	81.09	6.0	33.40	7.9	25.1	1.66
F21	02 Feb 2017	45	12.83	80.57	5.7	33.38	7.9	25.2	1.71
F21	02 Feb 2017	46	12.77	80.69	5.7	33.38	7.9	25.2	1.17
F21	02 Feb 2017	47	12.75	80.65	5.6	33.38	7.9	25.2	0.91
F21	02 Feb 2017	48	12.74	80.36	5.6	33.38	7.9	25.2	0.81
F21	02 Feb 2017	49	12.72	80.49	5.6	33.38	7.9	25.2	0.79
F21	02 Feb 2017	50	12.71	80.22	5.6	33.38	7.9	25.2	0.72
F21	02 Feb 2017	51	12.69	79.92	5.6	33.38	7.9	25.2	0.71
F21	02 Feb 2017	52	12.67	79.59	5.6	33.38	7.9	25.2	0.70
F21	02 Feb 2017	53	12.64	79.33	5.5	33.38	7.9	25.2	0.68
F21	02 Feb 2017	54	12.63	79.34	5.5	33.38	7.9	25.2	0.66
F21	02 Feb 2017	55	12.61	78.97	5.5	33.39	7.9	25.2	0.68
F21	02 Feb 2017	56	12.57	78.02	5.5	33.39	7.9	25.2	0.65
F21	02 Feb 2017	57	12.50	76.51	5.4	33.40	7.9	25.2	0.61
F21	02 Feb 2017	58	12.45	76.07	5.4	33.40	7.9	25.3	0.60
F21	02 Feb 2017	59	12.42	74.99	5.4	33.40	7.9	25.3	0.55
F21	02 Feb 2017	60	12.40	73.99	5.3	33.40	7.9	25.3	0.58
F21	02 Feb 2017	61	12.35	73.49	5.3	33.41	7.8	25.3	0.55
F21	02 Feb 2017	62	12.24	71.99	5.3	33.42	7.8	25.3	0.50
F21	02 Feb 2017	63	12.21	70.54	5.2	33.42	7.8	25.3	0.47
F21	02 Feb 2017	64	12.16	70.11	5.2	33.43	7.8	25.3	0.46
F21	02 Feb 2017	65	11.94	70.57	5.1	33.46	7.8	25.4	0.44
F21	02 Feb 2017	66	11.58	74.15	5.0	33.48	7.8	25.5	0.40
F21	02 Feb 2017	67	11.51	76.44	5.0	33.48	7.8	25.5	0.33
F21	02 Feb 2017	68	11.49	78.05	5.0	33.48	7.8	25.5	0.29
F21	02 Feb 2017	69	11.47	77.89	5.0	33.48	7.8	25.5	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F21	02 Feb 2017	70	11.47	78.11	5.0	33.48	7.8	25.5	0.30
F21	02 Feb 2017	71	11.44	77.83	4.9	33.49	7.8	25.5	0.28
F21	02 Feb 2017	72	11.32	77.51	4.8	33.51	7.8	25.6	0.27
F21	02 Feb 2017	73	11.18	76.72	4.7	33.53	7.8	25.6	0.24
F21	02 Feb 2017	74	10.90	75.86	4.5	33.59	7.8	25.7	0.22
F21	02 Feb 2017	75	10.58	73.80	4.3	33.65	7.8	25.8	0.19
F21	02 Feb 2017	76	10.49	71.22	4.2	33.67	7.7	25.8	0.18
F21	02 Feb 2017	77	10.37	65.28	4.1	33.70	7.7	25.9	0.18
F21	02 Feb 2017	78	10.34	58.70	4.0	33.71	7.7	25.9	0.18
F21	02 Feb 2017	79	10.30	56.53	4.0	33.72	7.7	25.9	0.17
F21	02 Feb 2017	80	10.19	55.92	4.0	33.75	7.7	25.9	0.17
F21	02 Feb 2017	81	10.07	56.02	3.9	33.78	7.7	26.0	0.16
F21	02 Feb 2017	82	10.05	53.44	3.9	33.78	7.7	26.0	0.16
F21	02 Feb 2017	83	10.06	49.03	3.8	33.78	7.7	26.0	0.16
F22	02 Feb 2017	1	14.70	84.03	8.1	33.22	8.1	24.7	0.88
F22	02 Feb 2017	2	14.68	83.81	8.2	33.22	8.1	24.7	0.88
F22	02 Feb 2017	3	14.67	84.13	8.2	33.22	8.1	24.7	0.92
F22	02 Feb 2017	4	14.66	84.17	8.1	33.22	8.1	24.7	1.09
F22	02 Feb 2017	5	14.65	84.15	8.1	33.22	8.1	24.7	1.20
F22	02 Feb 2017	6	14.65	84.08	8.1	33.23	8.1	24.7	1.35
F22	02 Feb 2017	7	14.60	84.05	7.8	33.25	8.1	24.7	1.55
F22	02 Feb 2017	8	14.51	84.08	7.6	33.27	8.1	24.7	1.60
F22	02 Feb 2017	9	14.49	84.04	7.5	33.28	8.1	24.8	1.56
F22	02 Feb 2017	10	14.45	84.26	7.5	33.29	8.1	24.8	1.62
F22	02 Feb 2017	11	14.43	84.67	7.4	33.29	8.1	24.8	1.70
F22	02 Feb 2017	12	14.38	85.28	7.4	33.30	8.0	24.8	1.66
F22	02 Feb 2017	13	14.31	86.26	7.3	33.31	8.0	24.8	1.47
F22	02 Feb 2017	14	14.26	85.68	7.3	33.32	8.0	24.8	1.41
F22	02 Feb 2017	15	14.21	87.04	7.3	33.32	8.0	24.8	1.38
F22	02 Feb 2017	16	14.20	87.03	7.2	33.31	8.0	24.8	1.39
F22	02 Feb 2017	17	14.18	86.70	7.2	33.32	8.0	24.8	1.36
F22	02 Feb 2017	18	14.13	86.98	7.2	33.32	8.0	24.9	1.37
F22	02 Feb 2017	19	14.09	86.88	7.1	33.32	8.0	24.9	1.46
F22	02 Feb 2017	20	14.07	87.08	7.1	33.32	8.0	24.9	1.41
F22	02 Feb 2017	21	14.04	87.00	7.0	33.32	8.0	24.9	1.38
F22	02 Feb 2017	22	14.02	87.05	7.0	33.32	8.0	24.9	1.32
F22	02 Feb 2017	23	14.03	87.11	7.0	33.32	8.0	24.9	1.30
F22	02 Feb 2017	24	14.01	87.06	7.0	33.32	8.0	24.9	1.31
F22	02 Feb 2017	25	14.01	87.09	7.0	33.32	8.0	24.9	1.32
F22	02 Feb 2017	26	14.00	87.06	7.0	33.32	8.0	24.9	1.35
F22	02 Feb 2017	27	13.99	86.90	7.0	33.32	8.0	24.9	1.42
F22	02 Feb 2017	28	13.98	86.72	7.0	33.32	8.0	24.9	1.38
F22	02 Feb 2017	29	13.97	87.03	6.9	33.32	8.0	24.9	1.33
F22	02 Feb 2017	30	13.93	86.91	6.9	33.33	8.0	24.9	1.33
F22	02 Feb 2017	31	13.85	86.91	6.8	33.33	8.0	24.9	1.27
F22	02 Feb 2017	32	13.80	86.62	6.8	33.33	8.0	24.9	1.28
F22	02 Feb 2017	33	13.74	86.20	6.7	33.33	8.0	25.0	1.39
F22	02 Feb 2017	34	13.66	85.80	6.6	33.33	8.0	25.0	1.34
F22	02 Feb 2017	35	13.63	85.85	6.5	33.33	8.0	25.0	1.35
F22	02 Feb 2017	36	13.52	85.07	6.4	33.34	8.0	25.0	1.39
F22	02 Feb 2017	37	13.47	85.04	6.4	33.34	8.0	25.0	1.35
F22	02 Feb 2017	38	13.37	84.83	6.3	33.35	8.0	25.0	1.24
F22	02 Feb 2017	39	13.34	84.38	6.3	33.35	7.9	25.0	1.25
F22	02 Feb 2017	40	13.32	84.05	6.2	33.34	7.9	25.0	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F22	02 Feb 2017	41	13.32	83.42	6.2	33.34	7.9	25.0	1.25
F22	02 Feb 2017	42	13.31	83.34	6.2	33.35	7.9	25.0	1.25
F22	02 Feb 2017	43	13.31	83.23	6.2	33.35	7.9	25.1	1.32
F22	02 Feb 2017	44	13.24	82.90	6.1	33.36	7.9	25.1	1.27
F22	02 Feb 2017	45	12.87	82.35	5.8	33.40	7.9	25.2	1.21
F22	02 Feb 2017	46	12.70	81.18	5.6	33.39	7.9	25.2	0.95
F22	02 Feb 2017	47	12.61	80.91	5.5	33.39	7.9	25.2	0.81
F22	02 Feb 2017	48	12.54	80.62	5.5	33.39	7.9	25.2	0.70
F22	02 Feb 2017	49	12.42	80.41	5.4	33.40	7.9	25.3	0.65
F22	02 Feb 2017	50	12.36	80.38	5.4	33.40	7.9	25.3	0.56
F22	02 Feb 2017	51	12.34	80.20	5.4	33.40	7.8	25.3	0.50
F22	02 Feb 2017	52	12.33	79.91	5.4	33.40	7.8	25.3	0.48
F22	02 Feb 2017	53	12.32	80.13	5.3	33.40	7.8	25.3	0.46
F22	02 Feb 2017	54	12.31	79.83	5.3	33.40	7.8	25.3	0.46
F22	02 Feb 2017	55	12.29	79.63	5.3	33.41	7.8	25.3	0.46
F22	02 Feb 2017	56	12.27	79.12	5.3	33.40	7.8	25.3	0.45
F22	02 Feb 2017	57	12.26	79.11	5.3	33.41	7.8	25.3	0.42
F22	02 Feb 2017	58	12.24	78.99	5.3	33.41	7.8	25.3	0.44
F22	02 Feb 2017	59	12.22	78.91	5.3	33.41	7.8	25.3	0.44
F22	02 Feb 2017	60	12.20	78.75	5.3	33.41	7.8	25.3	0.48
F22	02 Feb 2017	61	12.19	78.69	5.3	33.41	7.8	25.3	0.43
F22	02 Feb 2017	62	12.17	78.29	5.2	33.41	7.8	25.3	0.43
F22	02 Feb 2017	63	12.15	78.28	5.2	33.41	7.8	25.3	0.41
F22	02 Feb 2017	64	12.13	78.04	5.2	33.41	7.8	25.3	0.41
F22	02 Feb 2017	65	12.11	77.51	5.2	33.42	7.8	25.3	0.40
F22	02 Feb 2017	66	12.09	77.00	5.2	33.42	7.8	25.3	0.38
F22	02 Feb 2017	67	11.98	76.16	5.1	33.45	7.8	25.4	0.36
F22	02 Feb 2017	68	11.90	72.31	5.0	33.45	7.8	25.4	0.36
F22	02 Feb 2017	69	11.87	71.31	5.0	33.45	7.8	25.4	0.34
F22	02 Feb 2017	70	11.81	71.74	5.0	33.46	7.8	25.4	0.35
F22	02 Feb 2017	71	11.71	73.04	5.0	33.47	7.8	25.5	0.32
F22	02 Feb 2017	72	11.57	73.31	4.9	33.50	7.8	25.5	0.31
F22	02 Feb 2017	73	11.24	71.71	4.7	33.56	7.8	25.6	0.28
F22	02 Feb 2017	74	11.06	65.48	4.5	33.59	7.8	25.7	0.26
F22	02 Feb 2017	75	10.87	60.44	4.3	33.62	7.8	25.7	0.24
F22	02 Feb 2017	76	10.56	57.67	4.2	33.70	7.7	25.8	0.23
F22	02 Feb 2017	77	10.45	50.58	4.0	33.70	7.7	25.9	0.21
F22	02 Feb 2017	78	10.44	47.57	4.0	33.70	7.7	25.9	0.20
F22	02 Feb 2017	79	10.44	47.53	4.0	33.70	7.7	25.9	0.24
F22	02 Feb 2017	80	10.44	47.40	4.0	33.70	7.7	25.9	0.20
F22	02 Feb 2017	81	10.44	46.26	4.0	33.70	7.7	25.9	0.20
F23	02 Feb 2017	1	14.72	85.19	8.2	33.23	8.1	24.7	1.00
F23	02 Feb 2017	2	14.72	85.11	8.2	33.23	8.1	24.7	1.01
F23	02 Feb 2017	3	14.72	85.41	8.2	33.23	8.1	24.7	1.02
F23	02 Feb 2017	4	14.71	85.43	8.1	33.23	8.1	24.7	1.13
F23	02 Feb 2017	5	14.65	85.10	7.9	33.25	8.1	24.7	1.28
F23	02 Feb 2017	6	14.61	84.77	7.7	33.27	8.1	24.7	1.40
F23	02 Feb 2017	7	14.37	85.25	7.5	33.32	8.1	24.8	1.45
F23	02 Feb 2017	8	14.27	86.38	7.4	33.32	8.1	24.8	1.27
F23	02 Feb 2017	9	14.22	87.47	7.3	33.33	8.0	24.8	1.16
F23	02 Feb 2017	10	14.16	87.98	7.3	33.33	8.0	24.9	1.06
F23	02 Feb 2017	11	14.11	88.08	7.2	33.33	8.0	24.9	1.07
F23	02 Feb 2017	12	14.04	88.33	7.2	33.33	8.0	24.9	1.09
F23	02 Feb 2017	13	13.95	88.15	7.0	33.34	8.0	24.9	1.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F23	02 Feb 2017	14	13.88	88.18	7.0	33.34	8.0	24.9	0.99
F23	02 Feb 2017	15	13.85	88.00	6.9	33.34	8.0	24.9	0.96
F23	02 Feb 2017	16	13.81	87.93	6.9	33.34	8.0	24.9	0.95
F23	02 Feb 2017	17	13.76	88.10	6.8	33.34	8.0	25.0	0.96
F23	02 Feb 2017	18	13.73	88.27	6.8	33.34	8.0	25.0	0.92
F23	02 Feb 2017	19	13.68	88.32	6.8	33.34	8.0	25.0	0.94
F23	02 Feb 2017	20	13.60	88.41	6.7	33.34	8.0	25.0	0.99
F23	02 Feb 2017	21	13.53	88.64	6.6	33.35	8.0	25.0	0.91
F23	02 Feb 2017	22	13.45	88.63	6.5	33.34	8.0	25.0	0.90
F23	02 Feb 2017	23	13.40	88.36	6.5	33.35	8.0	25.0	0.88
F23	02 Feb 2017	24	13.28	88.31	6.3	33.36	8.0	25.1	0.89
F23	02 Feb 2017	25	13.19	87.73	6.2	33.35	7.9	25.1	0.91
F23	02 Feb 2017	26	13.16	84.65	6.2	33.35	7.9	25.1	0.91
F23	02 Feb 2017	27	13.15	85.29	6.1	33.36	7.9	25.1	0.91
F23	02 Feb 2017	28	13.11	85.35	6.1	33.36	7.9	25.1	0.95
F23	02 Feb 2017	29	13.08	85.61	6.1	33.36	7.9	25.1	0.94
F23	02 Feb 2017	30	13.07	85.73	6.1	33.36	7.9	25.1	0.88
F23	02 Feb 2017	31	13.06	85.85	6.0	33.36	7.9	25.1	0.87
F23	02 Feb 2017	32	13.04	85.91	6.0	33.36	7.9	25.1	0.84
F23	02 Feb 2017	33	13.01	85.78	6.0	33.36	7.9	25.1	0.85
F23	02 Feb 2017	34	12.97	85.92	6.0	33.37	7.9	25.1	0.84
F23	02 Feb 2017	35	12.90	86.25	6.0	33.37	7.9	25.1	0.82
F23	02 Feb 2017	36	12.89	86.35	5.9	33.37	7.9	25.1	0.79
F23	02 Feb 2017	37	12.81	86.50	5.9	33.38	7.9	25.2	0.79
F23	02 Feb 2017	38	12.74	86.37	5.8	33.38	7.9	25.2	0.75
F23	02 Feb 2017	39	12.71	86.33	5.8	33.37	7.9	25.2	0.71
F23	02 Feb 2017	40	12.68	85.88	5.8	33.38	7.9	25.2	0.69
F23	02 Feb 2017	41	12.65	85.86	5.7	33.38	7.9	25.2	0.64
F23	02 Feb 2017	42	12.61	85.48	5.7	33.38	7.9	25.2	0.67
F23	02 Feb 2017	43	12.52	85.44	5.6	33.39	7.9	25.2	0.62
F23	02 Feb 2017	44	12.46	85.15	5.5	33.39	7.9	25.3	0.57
F23	02 Feb 2017	45	12.42	84.56	5.5	33.39	7.9	25.3	0.55
F23	02 Feb 2017	46	12.39	84.06	5.5	33.40	7.9	25.3	0.54
F23	02 Feb 2017	47	12.37	83.75	5.4	33.40	7.9	25.3	0.51
F23	02 Feb 2017	48	12.32	83.26	5.4	33.40	7.9	25.3	0.47
F23	02 Feb 2017	49	12.28	82.83	5.4	33.40	7.8	25.3	0.48
F23	02 Feb 2017	50	12.25	82.38	5.3	33.40	7.8	25.3	0.43
F23	02 Feb 2017	51	12.21	82.13	5.3	33.41	7.8	25.3	0.42
F23	02 Feb 2017	52	12.18	81.35	5.3	33.41	7.8	25.3	0.40
F23	02 Feb 2017	53	12.17	80.89	5.2	33.41	7.8	25.3	0.37
F23	02 Feb 2017	54	12.17	80.63	5.2	33.41	7.8	25.3	0.37
F23	02 Feb 2017	55	12.17	80.74	5.2	33.41	7.8	25.3	0.36
F23	02 Feb 2017	56	12.16	80.61	5.2	33.41	7.8	25.3	0.35
F23	02 Feb 2017	57	12.16	80.36	5.2	33.41	7.8	25.3	0.35
F23	02 Feb 2017	58	12.12	80.31	5.2	33.42	7.8	25.3	0.37
F23	02 Feb 2017	59	12.08	79.68	5.2	33.42	7.8	25.3	0.35
F23	02 Feb 2017	60	12.02	79.05	5.2	33.43	7.8	25.4	0.36
F23	02 Feb 2017	61	11.95	78.38	5.1	33.43	7.8	25.4	0.34
F23	02 Feb 2017	62	11.92	78.41	5.1	33.43	7.8	25.4	0.32
F23	02 Feb 2017	63	11.90	78.72	5.1	33.43	7.8	25.4	0.31
F23	02 Feb 2017	64	11.87	78.06	5.1	33.44	7.8	25.4	0.32
F23	02 Feb 2017	65	11.81	77.34	5.0	33.45	7.8	25.4	0.30
F23	02 Feb 2017	66	11.76	74.83	5.0	33.45	7.8	25.4	0.29
F23	02 Feb 2017	67	11.70	73.47	4.9	33.46	7.8	25.5	0.29
F23	02 Feb 2017	68	11.54	69.19	4.8	33.51	7.8	25.5	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F23	02 Feb 2017	69	11.25	61.69	4.6	33.56	7.8	25.6	0.28
F23	02 Feb 2017	70	10.99	58.94	4.4	33.60	7.8	25.7	0.25
F23	02 Feb 2017	71	10.68	55.79	4.2	33.65	7.7	25.8	0.23
F23	02 Feb 2017	72	10.58	55.53	4.1	33.67	7.7	25.8	0.21
F23	02 Feb 2017	73	10.43	57.66	4.1	33.69	7.7	25.9	0.19
F23	02 Feb 2017	74	10.33	63.58	4.0	33.71	7.7	25.9	0.17
F23	02 Feb 2017	75	10.25	65.95	4.0	33.73	7.7	25.9	0.16
F23	02 Feb 2017	76	10.10	64.31	3.9	33.78	7.7	26.0	0.16
F23	02 Feb 2017	77	10.07	61.90	3.8	33.78	7.7	26.0	0.16
F23	02 Feb 2017	78	10.07	60.11	3.8	33.78	7.7	26.0	0.15
F23	02 Feb 2017	79	10.07	58.89	3.8	33.78	7.7	26.0	0.15
F23	02 Feb 2017	80	10.07	57.45	3.8	33.78	7.7	26.0	0.15
F23	02 Feb 2017	81	10.06	56.25	3.8	33.78	7.7	26.0	0.16
F23	02 Feb 2017	82	10.06	53.17	3.8	33.79	7.7	26.0	0.17
F24	02 Feb 2017	1	14.63	84.22	8.1	33.22	8.1	24.7	1.25
F24	02 Feb 2017	2	14.63	83.78	8.1	33.22	8.1	24.7	1.30
F24	02 Feb 2017	3	14.63	84.10	8.1	33.22	8.1	24.7	1.46
F24	02 Feb 2017	4	14.63	84.07	8.1	33.22	8.1	24.7	1.63
F24	02 Feb 2017	5	14.63	84.06	8.1	33.22	8.1	24.7	1.77
F24	02 Feb 2017	6	14.62	84.36	8.0	33.23	8.1	24.7	1.82
F24	02 Feb 2017	7	14.61	84.27	7.9	33.24	8.1	24.7	1.99
F24	02 Feb 2017	8	14.54	84.82	7.7	33.28	8.1	24.7	1.94
F24	02 Feb 2017	9	14.48	85.30	7.5	33.30	8.1	24.8	1.79
F24	02 Feb 2017	10	14.39	86.61	7.5	33.32	8.1	24.8	1.69
F24	02 Feb 2017	11	14.34	87.10	7.4	33.32	8.0	24.8	1.45
F24	02 Feb 2017	12	14.29	87.18	7.3	33.32	8.0	24.8	1.42
F24	02 Feb 2017	13	14.16	87.42	7.2	33.34	8.0	24.9	1.31
F24	02 Feb 2017	14	14.12	87.47	7.2	33.33	8.0	24.9	1.23
F24	02 Feb 2017	15	14.03	87.46	7.1	33.34	8.0	24.9	1.17
F24	02 Feb 2017	16	13.96	87.20	7.0	33.34	8.0	24.9	1.15
F24	02 Feb 2017	17	13.90	86.79	6.9	33.34	8.0	24.9	1.09
F24	02 Feb 2017	18	13.84	86.84	6.8	33.34	8.0	24.9	1.07
F24	02 Feb 2017	19	13.80	86.85	6.8	33.34	8.0	24.9	1.08
F24	02 Feb 2017	20	13.76	86.55	6.7	33.34	8.0	25.0	1.06
F24	02 Feb 2017	21	13.75	86.46	6.7	33.34	8.0	25.0	1.07
F24	02 Feb 2017	22	13.72	86.40	6.6	33.34	8.0	25.0	1.02
F24	02 Feb 2017	23	13.69	86.26	6.6	33.34	8.0	25.0	1.05
F24	02 Feb 2017	24	13.66	85.93	6.6	33.34	8.0	25.0	0.98
F24	02 Feb 2017	25	13.65	85.90	6.5	33.34	8.0	25.0	0.97
F24	02 Feb 2017	26	13.62	85.89	6.5	33.35	8.0	25.0	0.96
F24	02 Feb 2017	27	13.56	85.83	6.5	33.35	8.0	25.0	1.00
F24	02 Feb 2017	28	13.52	85.74	6.4	33.35	8.0	25.0	0.92
F24	02 Feb 2017	29	13.45	85.69	6.4	33.35	8.0	25.0	0.88
F24	02 Feb 2017	30	13.39	85.59	6.3	33.36	8.0	25.0	0.87
F24	02 Feb 2017	31	13.20	85.91	6.2	33.37	7.9	25.1	0.82
F24	02 Feb 2017	32	13.08	86.38	6.1	33.37	7.9	25.1	0.75
F24	02 Feb 2017	33	12.94	86.69	6.1	33.38	7.9	25.1	0.73
F24	02 Feb 2017	34	12.86	87.02	6.0	33.37	7.9	25.2	0.71
F24	02 Feb 2017	35	12.85	87.12	6.0	33.37	7.9	25.2	0.66
F24	02 Feb 2017	36	12.75	87.27	6.0	33.38	7.9	25.2	0.65
F24	02 Feb 2017	37	12.69	87.59	6.0	33.37	7.9	25.2	0.62
F24	02 Feb 2017	38	12.67	87.97	5.9	33.37	7.9	25.2	0.61
F24	02 Feb 2017	39	12.65	88.09	5.9	33.37	7.9	25.2	0.62
F24	02 Feb 2017	40	12.59	88.26	5.9	33.37	7.9	25.2	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F24	02 Feb 2017	41	12.52	88.79	5.9	33.37	7.9	25.2	0.60
F24	02 Feb 2017	42	12.50	89.30	5.9	33.37	7.9	25.2	0.61
F24	02 Feb 2017	43	12.45	89.60	5.9	33.37	7.9	25.2	0.59
F24	02 Feb 2017	44	12.39	89.84	5.8	33.37	7.9	25.2	0.60
F24	02 Feb 2017	45	12.30	89.91	5.8	33.37	7.9	25.3	0.55
F24	02 Feb 2017	46	12.29	89.98	5.8	33.37	7.9	25.3	0.56
F24	02 Feb 2017	47	12.26	89.96	5.8	33.37	7.9	25.3	0.53
F24	02 Feb 2017	48	12.21	89.91	5.8	33.37	7.9	25.3	0.51
F24	02 Feb 2017	49	12.13	90.04	5.8	33.38	7.9	25.3	0.50
F24	02 Feb 2017	50	11.98	90.31	5.8	33.38	7.9	25.3	0.48
F24	02 Feb 2017	51	11.89	90.74	5.7	33.38	7.9	25.3	0.44
F24	02 Feb 2017	52	11.90	89.86	5.5	33.39	7.8	25.4	0.41
F24	02 Feb 2017	53	11.90	85.39	5.2	33.42	7.8	25.4	0.36
F24	02 Feb 2017	54	11.87	81.42	5.1	33.43	7.8	25.4	0.32
F24	02 Feb 2017	55	11.86	80.99	5.1	33.43	7.8	25.4	0.31
F24	02 Feb 2017	56	11.85	80.77	5.1	33.43	7.8	25.4	0.29
F24	02 Feb 2017	57	11.84	80.21	5.1	33.44	7.8	25.4	0.28
F24	02 Feb 2017	58	11.82	79.43	5.1	33.44	7.8	25.4	0.27
F24	02 Feb 2017	59	11.79	79.26	5.0	33.44	7.8	25.4	0.27
F24	02 Feb 2017	60	11.77	79.99	5.0	33.44	7.8	25.4	0.26
F24	02 Feb 2017	61	11.74	79.78	5.0	33.44	7.8	25.4	0.27
F24	02 Feb 2017	62	11.72	79.84	5.0	33.45	7.8	25.4	0.25
F24	02 Feb 2017	63	11.70	79.08	5.0	33.45	7.8	25.4	0.25
F24	02 Feb 2017	64	11.64	78.71	4.9	33.46	7.8	25.5	0.23
F24	02 Feb 2017	65	11.48	76.81	4.8	33.48	7.8	25.5	0.23
F24	02 Feb 2017	66	11.39	75.73	4.7	33.49	7.8	25.5	0.21
F24	02 Feb 2017	67	11.33	75.70	4.7	33.50	7.8	25.5	0.22
F24	02 Feb 2017	68	11.12	74.58	4.6	33.55	7.8	25.6	0.22
F24	02 Feb 2017	69	10.91	66.82	4.4	33.60	7.8	25.7	0.20
F24	02 Feb 2017	70	10.78	62.30	4.3	33.62	7.7	25.7	0.18
F24	02 Feb 2017	71	10.65	60.23	4.2	33.65	7.7	25.8	0.18
F24	02 Feb 2017	72	10.56	57.83	4.2	33.67	7.7	25.8	0.18
F24	02 Feb 2017	73	10.42	57.84	4.1	33.70	7.7	25.9	0.17
F24	02 Feb 2017	74	10.39	61.04	4.1	33.70	7.7	25.9	0.16
F24	02 Feb 2017	75	10.32	64.73	4.1	33.72	7.7	25.9	0.15
F24	02 Feb 2017	76	10.25	66.26	4.1	33.74	7.7	25.9	0.14
F24	02 Feb 2017	77	10.21	61.10	4.0	33.75	7.7	25.9	0.14
F24	02 Feb 2017	78	10.18	53.65	4.0	33.76	7.7	25.9	0.15
F24	02 Feb 2017	79	10.18	46.39	3.9	33.76	7.7	26.0	0.15
F24	02 Feb 2017	80	10.17	43.96	3.9	33.76	7.7	26.0	0.17
F24	02 Feb 2017	81	10.17	41.56	3.9	33.76	7.7	26.0	0.17
F25	02 Feb 2017	1	14.91	90.68	8.0	33.34	8.1	24.7	0.38
F25	02 Feb 2017	2	14.91	90.58	8.0	33.33	8.1	24.7	0.39
F25	02 Feb 2017	3	14.91	90.57	8.0	33.33	8.1	24.7	0.39
F25	02 Feb 2017	4	14.91	90.53	8.0	33.33	8.1	24.7	0.42
F25	02 Feb 2017	5	14.91	90.54	8.1	33.33	8.1	24.7	0.43
F25	02 Feb 2017	6	14.91	90.71	8.0	33.33	8.1	24.7	0.45
F25	02 Feb 2017	7	14.91	90.73	8.0	33.33	8.1	24.7	0.46
F25	02 Feb 2017	8	14.90	90.68	8.0	33.34	8.1	24.7	0.48
F25	02 Feb 2017	9	14.87	90.70	8.1	33.33	8.1	24.7	0.49
F25	02 Feb 2017	10	14.81	90.54	8.0	33.34	8.1	24.7	0.51
F25	02 Feb 2017	11	14.76	90.61	8.1	33.33	8.1	24.7	0.55
F25	02 Feb 2017	12	14.74	90.72	8.1	33.33	8.1	24.7	0.59
F25	02 Feb 2017	13	14.73	90.82	8.1	33.33	8.1	24.7	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F25	02 Feb 2017	14	14.70	90.70	8.1	33.33	8.1	24.8	0.65
F25	02 Feb 2017	15	14.67	90.71	8.0	33.33	8.1	24.8	0.71
F25	02 Feb 2017	16	14.65	90.68	8.0	33.33	8.1	24.8	0.82
F25	02 Feb 2017	17	14.63	90.65	8.0	33.33	8.1	24.8	0.92
F25	02 Feb 2017	18	14.62	90.79	8.0	33.33	8.1	24.8	0.96
F25	02 Feb 2017	19	14.61	90.78	8.0	33.33	8.1	24.8	0.95
F25	02 Feb 2017	20	14.58	90.85	7.9	33.33	8.1	24.8	0.95
F25	02 Feb 2017	21	14.51	90.84	7.7	33.33	8.1	24.8	0.98
F25	02 Feb 2017	22	14.27	90.63	7.4	33.34	8.0	24.9	1.01
F25	02 Feb 2017	23	14.02	89.53	7.0	33.35	8.0	24.9	0.96
F25	02 Feb 2017	24	13.60	88.49	6.6	33.38	8.0	25.0	0.90
F25	02 Feb 2017	25	13.22	87.09	6.2	33.38	7.9	25.1	0.82
F25	02 Feb 2017	26	13.14	85.67	6.1	33.37	7.9	25.1	0.72
F25	02 Feb 2017	27	12.95	85.25	6.0	33.39	7.9	25.2	0.70
F25	02 Feb 2017	28	12.68	85.37	5.8	33.40	7.9	25.2	0.65
F25	02 Feb 2017	29	12.53	85.48	5.7	33.39	7.9	25.2	0.57
F25	02 Feb 2017	30	12.45	85.19	5.6	33.40	7.9	25.3	0.55
F25	02 Feb 2017	31	12.37	85.11	5.6	33.40	7.9	25.3	0.49
F25	02 Feb 2017	32	12.30	85.13	5.5	33.41	7.9	25.3	0.44
F25	02 Feb 2017	33	12.25	84.78	5.5	33.41	7.9	25.3	0.42
F25	02 Feb 2017	34	12.21	84.74	5.4	33.41	7.8	25.3	0.43
F25	02 Feb 2017	35	12.20	84.71	5.4	33.41	7.8	25.3	0.42
F25	02 Feb 2017	36	12.14	84.63	5.4	33.42	7.8	25.3	0.39
F25	02 Feb 2017	37	12.07	84.20	5.3	33.42	7.8	25.4	0.39
F25	02 Feb 2017	38	12.03	83.70	5.3	33.42	7.8	25.4	0.35
F25	02 Feb 2017	39	11.97	83.34	5.2	33.43	7.8	25.4	0.33
F25	02 Feb 2017	40	11.96	83.10	5.2	33.43	7.8	25.4	0.32
F25	02 Feb 2017	41	11.95	82.89	5.2	33.43	7.8	25.4	0.34
F25	02 Feb 2017	42	11.94	82.77	5.2	33.43	7.8	25.4	0.34
F25	02 Feb 2017	43	11.92	82.51	5.1	33.43	7.8	25.4	0.31
F25	02 Feb 2017	44	11.91	82.44	5.1	33.43	7.8	25.4	0.29
F25	02 Feb 2017	45	11.91	82.55	5.1	33.43	7.8	25.4	0.29
F25	02 Feb 2017	46	11.90	82.61	5.1	33.43	7.8	25.4	0.29
F25	02 Feb 2017	47	11.89	82.64	5.1	33.43	7.8	25.4	0.29
F25	02 Feb 2017	48	11.88	82.74	5.1	33.43	7.8	25.4	0.29
F25	02 Feb 2017	49	11.88	82.54	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	50	11.88	82.42	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	51	11.88	82.09	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	52	11.88	81.79	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	53	11.88	81.80	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	54	11.87	81.65	5.1	33.43	7.8	25.4	0.27
F25	02 Feb 2017	55	11.87	81.57	5.1	33.43	7.8	25.4	0.28
F25	02 Feb 2017	56	11.85	81.12	5.1	33.43	7.8	25.4	0.27
F25	02 Feb 2017	57	11.83	80.16	5.0	33.43	7.8	25.4	0.27
F25	02 Feb 2017	58	11.78	79.19	5.0	33.44	7.8	25.4	0.28
F25	02 Feb 2017	59	11.76	77.92	5.0	33.44	7.8	25.4	0.26
F25	02 Feb 2017	60	11.72	76.13	5.0	33.45	7.8	25.4	0.25
F25	02 Feb 2017	61	11.72	75.99	5.0	33.44	7.8	25.4	0.26
F25	02 Feb 2017	62	11.72	75.83	5.0	33.44	7.8	25.4	0.26
F25	02 Feb 2017	63	11.71	75.92	5.0	33.45	7.8	25.4	0.26
F25	02 Feb 2017	64	11.70	75.17	4.9	33.45	7.8	25.4	0.26
F25	02 Feb 2017	65	11.69	74.03	4.9	33.45	7.8	25.4	0.26
F25	02 Feb 2017	66	11.68	73.88	4.9	33.45	7.8	25.4	0.25
F25	02 Feb 2017	67	11.68	74.18	4.9	33.45	7.8	25.4	0.26
F25	02 Feb 2017	68	11.65	74.37	4.9	33.45	7.8	25.5	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F25	02 Feb 2017	69	11.64	74.12	4.9	33.45	7.8	25.5	0.27
F25	02 Feb 2017	70	11.61	72.88	4.9	33.46	7.8	25.5	0.28
F25	02 Feb 2017	71	11.61	72.85	4.9	33.46	7.8	25.5	0.29
F25	02 Feb 2017	72	11.57	72.24	4.8	33.47	7.8	25.5	0.25
F25	02 Feb 2017	73	11.53	69.84	4.8	33.47	7.8	25.5	0.25
F25	02 Feb 2017	74	11.47	66.98	4.8	33.48	7.8	25.5	0.25
F25	02 Feb 2017	75	11.39	63.75	4.7	33.50	7.8	25.5	0.24
F25	02 Feb 2017	76	11.32	61.89	4.6	33.51	7.8	25.6	0.29
F25	02 Feb 2017	77	11.26	59.12	4.6	33.52	7.8	25.6	0.24
F25	02 Feb 2017	78	11.12	55.18	4.5	33.56	7.8	25.6	0.23
F25	02 Feb 2017	79	11.00	45.91	4.4	33.57	7.8	25.7	0.23
F25	02 Feb 2017	80	10.98	38.68	4.3	33.57	7.7	25.7	0.25
F26	03 Feb 2017	1	15.01	84.43	8.6	33.23	8.2	24.6	1.43
F26	03 Feb 2017	2	14.99	84.26	8.6	33.23	8.2	24.6	1.56
F26	03 Feb 2017	3	14.98	84.37	8.5	33.23	8.2	24.6	1.65
F26	03 Feb 2017	4	14.93	84.31	8.5	33.24	8.2	24.6	1.81
F26	03 Feb 2017	5	14.92	84.09	8.5	33.24	8.2	24.6	1.78
F26	03 Feb 2017	6	14.92	84.00	8.5	33.24	8.2	24.6	1.81
F26	03 Feb 2017	7	14.92	83.91	8.5	33.24	8.2	24.6	2.16
F26	03 Feb 2017	8	14.90	83.98	8.5	33.24	8.2	24.6	2.27
F26	03 Feb 2017	9	14.86	83.85	8.4	33.24	8.2	24.6	2.22
F26	03 Feb 2017	10	14.82	83.80	8.5	33.24	8.2	24.7	2.24
F26	03 Feb 2017	11	14.80	83.55	8.5	33.24	8.2	24.7	2.41
F26	03 Feb 2017	12	14.78	83.55	8.4	33.25	8.2	24.7	2.48
F26	03 Feb 2017	13	14.77	83.62	8.4	33.24	8.2	24.7	2.71
F26	03 Feb 2017	14	14.75	83.38	8.4	33.25	8.2	24.7	2.88
F26	03 Feb 2017	15	14.71	83.12	8.4	33.25	8.2	24.7	3.23
F26	03 Feb 2017	16	14.67	83.37	8.3	33.25	8.2	24.7	3.37
F26	03 Feb 2017	17	14.65	83.48	8.2	33.25	8.2	24.7	3.66
F26	03 Feb 2017	18	14.63	84.49	8.2	33.26	8.1	24.7	4.03
F26	03 Feb 2017	19	14.57	84.88	8.0	33.27	8.1	24.7	3.86
F26	03 Feb 2017	20	14.52	85.57	7.9	33.28	8.1	24.7	3.81
F26	03 Feb 2017	21	14.45	85.79	7.7	33.29	8.1	24.8	3.58
F26	03 Feb 2017	22	14.33	85.67	7.5	33.30	8.1	24.8	3.51
F26	03 Feb 2017	23	14.29	85.68	7.5	33.30	8.1	24.8	3.39
F26	03 Feb 2017	24	14.25	86.06	7.4	33.30	8.1	24.8	3.28
F26	03 Feb 2017	25	14.22	86.22	7.3	33.31	8.1	24.8	2.89
F26	03 Feb 2017	26	14.17	86.57	7.2	33.32	8.1	24.9	2.64
F26	03 Feb 2017	27	14.04	86.77	7.0	33.32	8.1	24.9	2.07
F26	03 Feb 2017	28	13.90	86.92	6.8	33.34	8.1	24.9	1.75
F26	03 Feb 2017	29	13.76	86.90	6.7	33.34	8.0	25.0	1.61
F26	03 Feb 2017	30	13.62	86.97	6.5	33.36	8.0	25.0	1.45
F26	03 Feb 2017	31	13.42	86.82	6.4	33.37	8.0	25.0	1.29
F26	03 Feb 2017	32	13.18	86.82	6.3	33.38	8.0	25.1	1.10
F26	03 Feb 2017	33	13.07	87.28	6.2	33.37	8.0	25.1	0.99
F26	03 Feb 2017	34	12.91	87.20	6.1	33.39	8.0	25.2	0.81
F26	03 Feb 2017	35	12.83	86.89	6.0	33.38	8.0	25.2	0.79
F26	03 Feb 2017	36	12.81	86.79	5.9	33.38	8.0	25.2	0.76
F26	03 Feb 2017	37	12.78	86.68	5.9	33.38	8.0	25.2	0.78
F26	03 Feb 2017	38	12.76	86.53	5.8	33.39	8.0	25.2	0.75
F26	03 Feb 2017	39	12.72	86.35	5.8	33.39	8.0	25.2	0.69
F26	03 Feb 2017	40	12.72	86.42	5.8	33.39	8.0	25.2	0.70
F26	03 Feb 2017	41	12.67	86.28	5.8	33.39	8.0	25.2	0.69
F26	03 Feb 2017	42	12.53	87.30	5.7	33.40	7.9	25.2	0.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F26	03 Feb 2017	43	12.40	88.37	5.7	33.41	7.9	25.3	0.66
F26	03 Feb 2017	44	12.18	88.72	5.6	33.41	7.9	25.3	0.65
F26	03 Feb 2017	45	12.08	88.88	5.5	33.41	7.9	25.3	0.63
F26	03 Feb 2017	46	11.94	88.53	5.5	33.43	7.9	25.4	0.76
F26	03 Feb 2017	47	11.88	88.89	5.4	33.43	7.9	25.4	0.56
F26	03 Feb 2017	48	11.82	89.05	5.4	33.43	7.9	25.4	0.49
F26	03 Feb 2017	49	11.71	89.17	5.4	33.44	7.9	25.4	0.44
F26	03 Feb 2017	50	11.55	89.23	5.4	33.45	7.9	25.5	0.40
F26	03 Feb 2017	51	11.47	88.32	5.4	33.43	7.9	25.5	0.39
F26	03 Feb 2017	52	11.42	87.76	5.3	33.44	7.9	25.5	0.38
F26	03 Feb 2017	53	11.34	88.53	5.2	33.48	7.9	25.5	0.37
F26	03 Feb 2017	54	11.23	89.25	5.1	33.51	7.9	25.6	0.36
F26	03 Feb 2017	55	11.16	89.53	5.0	33.51	7.9	25.6	0.32
F26	03 Feb 2017	56	11.13	89.59	5.0	33.51	7.9	25.6	0.28
F26	03 Feb 2017	57	11.11	89.69	5.0	33.51	7.9	25.6	0.25
F26	03 Feb 2017	58	11.08	89.73	5.0	33.52	7.9	25.6	0.22
F26	03 Feb 2017	59	11.02	89.73	5.0	33.53	7.9	25.6	0.22
F26	03 Feb 2017	60	11.00	89.64	5.0	33.53	7.8	25.6	0.21
F26	03 Feb 2017	61	10.97	89.51	4.9	33.54	7.8	25.6	0.24
F26	03 Feb 2017	62	10.94	89.66	4.9	33.54	7.8	25.7	0.24
F26	03 Feb 2017	63	10.93	89.75	4.9	33.54	7.8	25.7	0.20
F26	03 Feb 2017	64	10.93	89.78	4.9	33.54	7.8	25.7	0.20
F26	03 Feb 2017	65	10.92	89.75	4.9	33.55	7.8	25.7	0.18
F26	03 Feb 2017	66	10.91	89.71	4.9	33.55	7.8	25.7	0.18
F26	03 Feb 2017	67	10.88	89.61	4.8	33.55	7.8	25.7	0.18
F26	03 Feb 2017	68	10.86	89.58	4.8	33.56	7.8	25.7	0.17
F26	03 Feb 2017	69	10.85	89.52	4.8	33.56	7.8	25.7	0.18
F26	03 Feb 2017	70	10.80	89.37	4.8	33.57	7.8	25.7	0.17
F26	03 Feb 2017	71	10.78	89.38	4.8	33.57	7.8	25.7	0.17
F26	03 Feb 2017	72	10.75	89.14	4.8	33.58	7.8	25.7	0.17
F26	03 Feb 2017	73	10.72	87.93	4.7	33.58	7.8	25.7	0.15
F26	03 Feb 2017	74	10.68	86.71	4.6	33.60	7.8	25.7	0.17
F26	03 Feb 2017	75	10.66	84.78	4.6	33.61	7.8	25.8	0.16
F26	03 Feb 2017	76	10.63	84.03	4.5	33.62	7.8	25.8	0.15
F26	03 Feb 2017	77	10.58	84.05	4.5	33.62	7.8	25.8	0.15
F26	03 Feb 2017	78	10.49	84.55	4.4	33.66	7.8	25.8	0.14
F26	03 Feb 2017	79	10.29	84.60	4.3	33.71	7.8	25.9	0.13
F26	03 Feb 2017	80	10.23	83.91	4.3	33.72	7.8	25.9	0.13
F26	03 Feb 2017	81	10.20	84.73	4.2	33.73	7.8	25.9	0.12
F26	03 Feb 2017	82	10.17	86.62	4.2	33.73	7.8	25.9	0.11
F26	03 Feb 2017	83	10.13	87.19	4.2	33.74	7.8	25.9	0.11
F26	03 Feb 2017	84	10.07	87.24	4.1	33.76	7.8	26.0	0.11
F26	03 Feb 2017	85	10.03	86.75	4.1	33.77	7.8	26.0	0.10
F26	03 Feb 2017	86	10.03	84.92	4.0	33.77	7.8	26.0	0.10
F26	03 Feb 2017	87	10.01	80.09	4.0	33.78	7.8	26.0	0.10
F26	03 Feb 2017	88	10.00	74.93	4.0	33.78	7.8	26.0	0.10
F26	03 Feb 2017	89	9.99	74.65	4.0	33.79	7.8	26.0	0.10
F26	03 Feb 2017	90	9.96	79.33	4.0	33.79	7.8	26.0	0.10
F26	03 Feb 2017	91	9.96	83.67	4.0	33.80	7.8	26.0	0.10
F26	03 Feb 2017	92	9.94	84.21	3.9	33.80	7.8	26.0	0.09
F26	03 Feb 2017	93	9.94	77.67	3.9	33.80	7.8	26.0	0.10
F26	03 Feb 2017	94	9.94	75.89	3.9	33.80	7.8	26.0	0.09
F26	03 Feb 2017	95	9.93	73.19	3.9	33.80	7.8	26.0	0.10
F26	03 Feb 2017	96	9.93	71.36	3.9	33.80	7.8	26.0	0.10
F26	03 Feb 2017	97	9.94	71.01	3.9	33.80	7.8	26.0	0.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F26	03 Feb 2017	98	9.94	70.81	3.9	33.80	7.8	26.0	0.10
F27	03 Feb 2017	1	15.19	84.33	8.5	33.23	8.2	24.6	0.98
F27	03 Feb 2017	2	14.94	83.83	8.6	33.26	8.2	24.6	0.95
F27	03 Feb 2017	3	14.86	83.09	8.6	33.24	8.2	24.6	1.24
F27	03 Feb 2017	4	14.82	82.65	8.6	33.24	8.2	24.7	1.27
F27	03 Feb 2017	5	14.77	82.52	8.6	33.24	8.2	24.7	1.49
F27	03 Feb 2017	6	14.76	80.70	8.6	33.23	8.2	24.7	2.10
F27	03 Feb 2017	7	14.77	80.12	8.6	33.24	8.2	24.7	2.62
F27	03 Feb 2017	8	14.71	80.60	8.5	33.24	8.2	24.7	2.72
F27	03 Feb 2017	9	14.70	80.30	8.5	33.23	8.2	24.7	3.06
F27	03 Feb 2017	10	14.69	80.78	8.5	33.23	8.2	24.7	3.16
F27	03 Feb 2017	11	14.68	80.88	8.5	33.23	8.2	24.7	3.47
F27	03 Feb 2017	12	14.67	80.83	8.5	33.24	8.2	24.7	3.61
F27	03 Feb 2017	13	14.65	81.35	8.4	33.24	8.2	24.7	3.61
F27	03 Feb 2017	14	14.64	82.19	8.3	33.24	8.2	24.7	3.94
F27	03 Feb 2017	15	14.63	82.57	8.2	33.24	8.2	24.7	4.62
F27	03 Feb 2017	16	14.61	83.03	8.1	33.26	8.1	24.7	5.41
F27	03 Feb 2017	17	14.53	84.24	7.9	33.27	8.1	24.7	5.59
F27	03 Feb 2017	18	14.44	85.05	7.7	33.29	8.1	24.8	4.36
F27	03 Feb 2017	19	14.35	85.98	7.5	33.30	8.1	24.8	3.60
F27	03 Feb 2017	20	14.20	85.96	7.2	33.31	8.1	24.8	2.97
F27	03 Feb 2017	21	14.12	86.55	7.1	33.31	8.1	24.9	2.54
F27	03 Feb 2017	22	14.00	87.16	7.0	33.34	8.1	24.9	2.12
F27	03 Feb 2017	23	13.77	87.26	6.8	33.35	8.1	25.0	1.76
F27	03 Feb 2017	24	13.67	87.44	6.6	33.34	8.0	25.0	1.45
F27	03 Feb 2017	25	13.54	87.41	6.5	33.36	8.0	25.0	1.31
F27	03 Feb 2017	26	13.40	87.19	6.4	33.37	8.0	25.1	1.27
F27	03 Feb 2017	27	13.16	86.89	6.3	33.37	8.0	25.1	1.43
F27	03 Feb 2017	28	13.11	86.93	6.2	33.37	8.0	25.1	1.39
F27	03 Feb 2017	29	13.07	86.82	6.2	33.37	8.0	25.1	1.08
F27	03 Feb 2017	30	13.03	86.86	6.2	33.36	8.0	25.1	0.94
F27	03 Feb 2017	31	13.01	87.15	6.2	33.36	8.0	25.1	0.89
F27	03 Feb 2017	32	12.94	87.38	6.1	33.37	8.0	25.1	0.92
F27	03 Feb 2017	33	12.58	88.12	6.0	33.40	8.0	25.2	0.90
F27	03 Feb 2017	34	12.45	89.27	5.8	33.39	8.0	25.3	0.82
F27	03 Feb 2017	35	12.40	89.64	5.7	33.38	7.9	25.3	0.71
F27	03 Feb 2017	36	12.34	89.73	5.7	33.39	7.9	25.3	0.64
F27	03 Feb 2017	37	12.26	89.58	5.7	33.39	7.9	25.3	0.61
F27	03 Feb 2017	38	12.20	89.55	5.6	33.40	7.9	25.3	0.59
F27	03 Feb 2017	39	12.11	89.54	5.5	33.41	7.9	25.3	0.58
F27	03 Feb 2017	40	11.97	89.61	5.5	33.43	7.9	25.4	0.52
F27	03 Feb 2017	41	11.82	89.68	5.4	33.44	7.9	25.4	0.47
F27	03 Feb 2017	42	11.70	89.75	5.4	33.45	7.9	25.4	0.42
F27	03 Feb 2017	43	11.63	89.72	5.3	33.45	7.9	25.5	0.37
F27	03 Feb 2017	44	11.47	89.80	5.3	33.47	7.9	25.5	0.34
F27	03 Feb 2017	45	11.29	89.53	5.2	33.49	7.9	25.5	0.31
F27	03 Feb 2017	46	11.21	89.12	5.2	33.49	7.9	25.6	0.30
F27	03 Feb 2017	47	11.11	89.12	5.1	33.51	7.9	25.6	0.30
F27	03 Feb 2017	48	11.04	89.36	5.0	33.52	7.9	25.6	0.26
F27	03 Feb 2017	49	11.02	89.37	5.0	33.52	7.9	25.6	0.24
F27	03 Feb 2017	50	11.00	89.36	5.0	33.52	7.9	25.6	0.21
F27	03 Feb 2017	51	10.97	89.41	5.0	33.53	7.9	25.6	0.21
F27	03 Feb 2017	52	10.95	89.49	5.0	33.53	7.9	25.6	0.21
F27	03 Feb 2017	53	10.95	89.71	4.9	33.54	7.8	25.6	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F27	03 Feb 2017	54	10.93	89.87	4.9	33.54	7.8	25.7	0.19
F27	03 Feb 2017	55	10.90	89.94	4.9	33.55	7.8	25.7	0.19
F27	03 Feb 2017	56	10.85	89.92	4.8	33.56	7.8	25.7	0.18
F27	03 Feb 2017	57	10.80	89.99	4.8	33.57	7.8	25.7	0.18
F27	03 Feb 2017	58	10.79	89.89	4.8	33.57	7.8	25.7	0.17
F27	03 Feb 2017	59	10.78	89.59	4.8	33.57	7.8	25.7	0.17
F27	03 Feb 2017	60	10.78	89.73	4.8	33.57	7.8	25.7	0.17
F27	03 Feb 2017	61	10.75	89.67	4.8	33.58	7.8	25.7	0.17
F27	03 Feb 2017	62	10.73	89.43	4.7	33.58	7.8	25.7	0.16
F27	03 Feb 2017	63	10.73	89.57	4.7	33.58	7.8	25.7	0.16
F27	03 Feb 2017	64	10.71	89.76	4.7	33.59	7.8	25.7	0.16
F27	03 Feb 2017	65	10.70	89.55	4.7	33.59	7.8	25.7	0.15
F27	03 Feb 2017	66	10.69	89.46	4.7	33.59	7.8	25.7	0.15
F27	03 Feb 2017	67	10.67	89.66	4.7	33.59	7.8	25.7	0.17
F27	03 Feb 2017	68	10.65	89.44	4.7	33.60	7.8	25.7	0.16
F27	03 Feb 2017	69	10.64	88.91	4.7	33.60	7.8	25.7	0.16
F27	03 Feb 2017	70	10.61	88.59	4.6	33.60	7.8	25.8	0.15
F27	03 Feb 2017	71	10.58	88.62	4.6	33.61	7.8	25.8	0.15
F27	03 Feb 2017	72	10.55	88.01	4.6	33.62	7.8	25.8	0.18
F27	03 Feb 2017	73	10.52	87.04	4.5	33.63	7.8	25.8	0.14
F27	03 Feb 2017	74	10.49	86.49	4.5	33.64	7.8	25.8	0.13
F27	03 Feb 2017	75	10.48	86.41	4.5	33.64	7.8	25.8	0.13
F27	03 Feb 2017	76	10.47	85.67	4.4	33.65	7.8	25.8	0.13
F27	03 Feb 2017	77	10.46	85.39	4.4	33.65	7.8	25.8	0.14
F27	03 Feb 2017	78	10.46	85.39	4.4	33.65	7.8	25.8	0.13
F27	03 Feb 2017	79	10.43	85.21	4.4	33.66	7.8	25.8	0.13
F27	03 Feb 2017	80	10.36	85.12	4.4	33.68	7.8	25.9	0.13
F27	03 Feb 2017	81	10.32	85.37	4.3	33.69	7.8	25.9	0.13
F27	03 Feb 2017	82	10.30	86.06	4.3	33.69	7.8	25.9	0.12
F27	03 Feb 2017	83	10.24	86.59	4.3	33.71	7.8	25.9	0.12
F27	03 Feb 2017	84	10.20	87.14	4.2	33.72	7.8	25.9	0.11
F27	03 Feb 2017	85	10.11	86.93	4.2	33.75	7.8	26.0	0.11
F27	03 Feb 2017	86	10.06	78.75	4.0	33.75	7.8	26.0	0.10
F27	03 Feb 2017	87	10.05	71.60	4.0	33.76	7.8	26.0	0.11
F27	03 Feb 2017	88	10.05	67.99	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	89	10.05	67.76	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	90	10.05	67.54	4.0	33.76	7.8	26.0	0.11
F27	03 Feb 2017	91	10.05	67.52	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	92	10.05	67.22	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	93	10.05	67.07	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	94	10.05	67.35	4.0	33.76	7.8	26.0	0.12
F27	03 Feb 2017	95	10.04	66.50	3.9	33.76	7.8	26.0	0.11
F27	03 Feb 2017	96	10.02	65.42	3.9	33.77	7.8	26.0	0.12
F27	03 Feb 2017	97	9.99	64.67	3.9	33.79	7.8	26.0	0.12
F27	03 Feb 2017	98	9.97	62.34	3.8	33.79	7.8	26.0	0.12
F27	03 Feb 2017	99	9.97	60.54	3.8	33.79	7.8	26.0	0.27
F28	03 Feb 2017	1	15.22	89.89	8.0	33.34	8.1	24.6	0.45
F28	03 Feb 2017	2	15.11	89.85	8.0	33.35	8.1	24.7	0.43
F28	03 Feb 2017	3	15.07	89.99	8.0	33.34	8.1	24.7	0.45
F28	03 Feb 2017	4	15.05	90.00	8.0	33.35	8.1	24.7	0.43
F28	03 Feb 2017	5	15.00	89.94	8.0	33.34	8.1	24.7	0.48
F28	03 Feb 2017	6	14.97	89.83	8.0	33.34	8.1	24.7	0.51
F28	03 Feb 2017	7	14.96	89.66	8.0	33.34	8.1	24.7	0.57
F28	03 Feb 2017	8	14.95	89.66	8.0	33.34	8.1	24.7	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	03 Feb 2017	9	14.94	89.82	8.0	33.34	8.1	24.7	0.65
F28	03 Feb 2017	10	14.92	89.88	8.0	33.34	8.1	24.7	0.70
F28	03 Feb 2017	11	14.92	89.86	8.0	33.34	8.1	24.7	0.69
F28	03 Feb 2017	12	14.91	89.97	8.0	33.34	8.1	24.7	0.73
F28	03 Feb 2017	13	14.91	90.08	8.0	33.34	8.1	24.7	0.72
F28	03 Feb 2017	14	14.90	90.18	8.0	33.34	8.1	24.7	0.75
F28	03 Feb 2017	15	14.88	90.06	8.0	33.34	8.1	24.7	0.76
F28	03 Feb 2017	16	14.80	90.07	8.0	33.33	8.1	24.7	0.81
F28	03 Feb 2017	17	14.76	89.62	8.0	33.32	8.1	24.7	0.94
F28	03 Feb 2017	18	14.74	89.31	8.0	33.32	8.1	24.7	0.99
F28	03 Feb 2017	19	14.71	89.06	7.9	33.32	8.1	24.7	1.03
F28	03 Feb 2017	20	14.66	88.99	7.8	33.33	8.1	24.8	1.13
F28	03 Feb 2017	21	14.63	89.18	7.8	33.33	8.1	24.8	1.39
F28	03 Feb 2017	22	14.57	89.41	7.6	33.34	8.1	24.8	1.54
F28	03 Feb 2017	23	14.33	89.67	7.4	33.36	8.1	24.9	1.33
F28	03 Feb 2017	24	13.97	89.93	7.2	33.37	8.1	24.9	1.24
F28	03 Feb 2017	25	13.73	90.27	7.0	33.35	8.1	25.0	1.06
F28	03 Feb 2017	26	13.61	90.42	6.8	33.33	8.0	25.0	1.01
F28	03 Feb 2017	27	13.60	90.44	6.8	33.33	8.0	25.0	0.93
F28	03 Feb 2017	28	13.54	90.56	6.8	33.33	8.0	25.0	0.89
F28	03 Feb 2017	29	13.50	90.64	6.7	33.33	8.0	25.0	0.92
F28	03 Feb 2017	30	13.38	90.72	6.7	33.34	8.0	25.0	0.87
F28	03 Feb 2017	31	13.28	90.71	6.6	33.33	8.0	25.0	0.87
F28	03 Feb 2017	32	13.23	90.74	6.5	33.33	8.0	25.0	0.89
F28	03 Feb 2017	33	13.14	90.69	6.5	33.33	8.0	25.1	0.96
F28	03 Feb 2017	34	12.90	90.75	6.4	33.34	8.0	25.1	0.88
F28	03 Feb 2017	35	12.62	90.77	6.3	33.34	8.0	25.2	0.82
F28	03 Feb 2017	36	12.44	90.86	6.2	33.33	8.0	25.2	0.75
F28	03 Feb 2017	37	12.39	90.87	6.2	33.33	8.0	25.2	0.70
F28	03 Feb 2017	38	12.36	90.88	6.1	33.34	8.0	25.2	0.68
F28	03 Feb 2017	39	12.33	90.87	6.0	33.34	8.0	25.2	0.72
F28	03 Feb 2017	40	12.31	90.87	6.0	33.35	8.0	25.2	0.68
F28	03 Feb 2017	41	12.28	90.79	5.9	33.37	8.0	25.3	0.68
F28	03 Feb 2017	42	12.25	90.70	5.7	33.38	7.9	25.3	0.66
F28	03 Feb 2017	43	12.20	90.68	5.7	33.39	7.9	25.3	0.63
F28	03 Feb 2017	44	12.08	90.65	5.5	33.42	7.9	25.3	0.59
F28	03 Feb 2017	45	11.95	90.55	5.5	33.42	7.9	25.4	0.52
F28	03 Feb 2017	46	11.91	90.56	5.4	33.42	7.9	25.4	0.48
F28	03 Feb 2017	47	11.86	90.58	5.4	33.43	7.9	25.4	0.44
F28	03 Feb 2017	48	11.83	90.59	5.4	33.43	7.9	25.4	0.43
F28	03 Feb 2017	49	11.81	90.60	5.4	33.43	7.9	25.4	0.41
F28	03 Feb 2017	50	11.80	90.61	5.4	33.43	7.9	25.4	0.40
F28	03 Feb 2017	51	11.77	90.56	5.4	33.44	7.9	25.4	0.39
F28	03 Feb 2017	52	11.70	90.57	5.3	33.45	7.9	25.4	0.37
F28	03 Feb 2017	53	11.65	90.58	5.3	33.45	7.9	25.4	0.35
F28	03 Feb 2017	54	11.60	90.59	5.2	33.46	7.9	25.5	0.34
F28	03 Feb 2017	55	11.55	90.59	5.2	33.47	7.9	25.5	0.33
F28	03 Feb 2017	56	11.50	90.53	5.1	33.48	7.9	25.5	0.33
F28	03 Feb 2017	57	11.44	90.52	5.1	33.49	7.9	25.5	0.29
F28	03 Feb 2017	58	11.42	90.55	5.1	33.48	7.9	25.5	0.29
F28	03 Feb 2017	59	11.41	90.51	5.1	33.48	7.9	25.5	0.27
F28	03 Feb 2017	60	11.39	90.37	5.1	33.48	7.9	25.5	0.27
F28	03 Feb 2017	61	11.39	90.43	5.1	33.48	7.9	25.5	0.27
F28	03 Feb 2017	62	11.37	90.42	5.1	33.49	7.9	25.5	0.25
F28	03 Feb 2017	63	11.33	90.40	5.1	33.49	7.9	25.5	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	03 Feb 2017	64	11.27	90.30	5.0	33.50	7.9	25.6	0.25
F28	03 Feb 2017	65	11.19	90.31	5.0	33.51	7.9	25.6	0.26
F28	03 Feb 2017	66	11.15	90.26	5.0	33.51	7.9	25.6	0.25
F28	03 Feb 2017	67	11.11	90.27	5.0	33.51	7.9	25.6	0.24
F28	03 Feb 2017	68	11.11	90.26	5.0	33.51	7.8	25.6	0.25
F28	03 Feb 2017	69	11.08	90.23	5.0	33.52	7.8	25.6	0.24
F28	03 Feb 2017	70	11.06	90.17	5.0	33.52	7.8	25.6	0.23
F28	03 Feb 2017	71	11.03	90.13	4.9	33.52	7.8	25.6	0.24
F28	03 Feb 2017	72	10.98	90.22	4.9	33.53	7.8	25.6	0.22
F28	03 Feb 2017	73	10.86	89.87	4.8	33.56	7.8	25.7	0.22
F28	03 Feb 2017	74	10.79	88.86	4.8	33.57	7.8	25.7	0.21
F28	03 Feb 2017	75	10.76	88.22	4.7	33.58	7.8	25.7	0.20
F28	03 Feb 2017	76	10.73	88.00	4.7	33.58	7.8	25.7	0.19
F28	03 Feb 2017	77	10.68	88.16	4.7	33.59	7.8	25.7	0.19
F28	03 Feb 2017	78	10.66	88.05	4.6	33.60	7.8	25.7	0.19
F28	03 Feb 2017	79	10.60	87.58	4.6	33.61	7.8	25.8	0.18
F28	03 Feb 2017	80	10.52	86.86	4.5	33.64	7.8	25.8	0.16
F28	03 Feb 2017	81	10.46	86.53	4.4	33.66	7.8	25.8	0.15
F28	03 Feb 2017	82	10.42	86.58	4.4	33.66	7.8	25.8	0.14
F28	03 Feb 2017	83	10.41	86.68	4.4	33.66	7.8	25.8	0.14
F28	03 Feb 2017	84	10.39	86.86	4.4	33.66	7.8	25.8	0.13
F28	03 Feb 2017	85	10.36	87.14	4.4	33.67	7.8	25.9	0.13
F28	03 Feb 2017	86	10.31	87.32	4.3	33.69	7.8	25.9	0.13
F28	03 Feb 2017	87	10.24	87.56	4.3	33.70	7.8	25.9	0.12
F28	03 Feb 2017	88	10.23	86.33	4.3	33.70	7.8	25.9	0.12
F28	03 Feb 2017	89	10.18	79.76	4.2	33.71	7.8	25.9	0.12
F28	03 Feb 2017	90	10.14	72.64	4.1	33.73	7.8	25.9	0.12
F28	03 Feb 2017	91	10.12	70.86	4.0	33.73	7.8	25.9	0.12
F28	03 Feb 2017	92	10.11	69.58	4.0	33.74	7.8	25.9	0.12
F28	03 Feb 2017	93	10.08	68.52	4.0	33.75	7.8	26.0	0.12
F28	03 Feb 2017	94	10.05	69.91	4.0	33.76	7.8	26.0	0.12
F28	03 Feb 2017	95	10.03	71.44	4.0	33.76	7.8	26.0	0.12
F28	03 Feb 2017	96	10.02	70.94	4.0	33.77	7.8	26.0	0.12
F28	03 Feb 2017	97	10.01	68.07	3.9	33.77	7.8	26.0	0.12
F28	03 Feb 2017	98	10.00	66.88	3.9	33.77	7.8	26.0	0.12
F28	03 Feb 2017	99	9.99	65.54	3.9	33.77	7.8	26.0	0.12
F28	03 Feb 2017	100	9.99	64.42	3.9	33.77	7.8	26.0	0.13
F29	03 Feb 2017	1	15.17	90.04	8.0	33.36	8.1	24.7	0.43
F29	03 Feb 2017	2	15.09	90.07	8.0	33.36	8.1	24.7	0.46
F29	03 Feb 2017	3	15.05	90.07	8.0	33.35	8.1	24.7	0.45
F29	03 Feb 2017	4	15.03	89.98	8.0	33.35	8.2	24.7	0.50
F29	03 Feb 2017	5	15.01	89.93	8.0	33.35	8.2	24.7	0.53
F29	03 Feb 2017	6	15.00	89.91	8.0	33.35	8.2	24.7	0.55
F29	03 Feb 2017	7	14.99	89.70	8.0	33.35	8.2	24.7	0.57
F29	03 Feb 2017	8	14.99	89.64	8.0	33.35	8.2	24.7	0.60
F29	03 Feb 2017	9	14.98	89.27	8.0	33.35	8.2	24.7	0.61
F29	03 Feb 2017	10	14.98	89.27	8.0	33.35	8.2	24.7	0.65
F29	03 Feb 2017	11	14.96	89.21	8.0	33.35	8.2	24.7	0.69
F29	03 Feb 2017	12	14.93	89.13	8.0	33.35	8.2	24.7	0.70
F29	03 Feb 2017	13	14.89	89.17	8.0	33.35	8.2	24.7	0.76
F29	03 Feb 2017	14	14.86	89.17	8.0	33.35	8.1	24.7	0.81
F29	03 Feb 2017	15	14.85	89.15	8.0	33.35	8.1	24.7	0.92
F29	03 Feb 2017	16	14.83	89.11	8.0	33.35	8.1	24.7	1.00
F29	03 Feb 2017	17	14.83	88.96	8.0	33.35	8.1	24.7	1.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F29	03 Feb 2017	18	14.82	88.98	8.0	33.35	8.1	24.7	1.20
F29	03 Feb 2017	19	14.81	88.94	8.0	33.35	8.1	24.7	1.28
F29	03 Feb 2017	20	14.81	88.99	8.0	33.35	8.1	24.7	1.35
F29	03 Feb 2017	21	14.80	88.90	7.9	33.35	8.1	24.7	1.39
F29	03 Feb 2017	22	14.79	89.01	7.9	33.35	8.1	24.7	1.40
F29	03 Feb 2017	23	14.79	89.07	7.9	33.35	8.1	24.7	1.42
F29	03 Feb 2017	24	14.79	89.13	7.9	33.35	8.1	24.7	1.40
F29	03 Feb 2017	25	14.77	89.16	7.9	33.35	8.1	24.8	1.44
F29	03 Feb 2017	26	14.75	89.09	7.9	33.35	8.1	24.8	1.46
F29	03 Feb 2017	27	14.70	89.18	7.8	33.35	8.1	24.8	1.43
F29	03 Feb 2017	28	14.60	89.21	7.7	33.35	8.1	24.8	1.38
F29	03 Feb 2017	29	14.40	89.42	7.5	33.35	8.1	24.8	1.31
F29	03 Feb 2017	30	14.36	89.50	7.4	33.34	8.1	24.8	1.27
F29	03 Feb 2017	31	14.29	89.51	7.3	33.35	8.1	24.9	1.23
F29	03 Feb 2017	32	14.09	89.50	7.2	33.35	8.1	24.9	1.19
F29	03 Feb 2017	33	14.01	89.50	7.0	33.35	8.1	24.9	1.13
F29	03 Feb 2017	34	13.58	89.58	6.8	33.37	8.1	25.0	1.07
F29	03 Feb 2017	35	13.22	89.50	6.6	33.36	8.0	25.1	1.14
F29	03 Feb 2017	36	13.07	89.33	6.4	33.34	8.0	25.1	0.95
F29	03 Feb 2017	37	13.07	87.98	6.2	33.34	8.0	25.1	0.87
F29	03 Feb 2017	38	13.02	84.85	6.0	33.36	8.0	25.1	0.88
F29	03 Feb 2017	39	12.91	83.95	6.0	33.37	8.0	25.1	0.93
F29	03 Feb 2017	40	12.65	85.19	6.0	33.37	8.0	25.2	0.89
F29	03 Feb 2017	41	12.44	86.92	6.1	33.36	8.0	25.2	0.81
F29	03 Feb 2017	42	12.25	88.48	6.1	33.35	8.0	25.3	0.74
F29	03 Feb 2017	43	12.09	89.66	6.0	33.36	8.0	25.3	0.72
F29	03 Feb 2017	44	12.01	89.78	6.0	33.35	8.0	25.3	0.67
F29	03 Feb 2017	45	11.96	89.95	5.9	33.36	7.9	25.3	0.63
F29	03 Feb 2017	46	11.87	89.95	5.8	33.38	7.9	25.4	0.62
F29	03 Feb 2017	47	11.79	89.84	5.8	33.39	7.9	25.4	0.57
F29	03 Feb 2017	48	11.76	89.61	5.7	33.39	7.9	25.4	0.55
F29	03 Feb 2017	49	11.74	89.51	5.6	33.40	7.9	25.4	0.54
F29	03 Feb 2017	50	11.73	89.27	5.6	33.40	7.9	25.4	0.51
F29	03 Feb 2017	51	11.71	89.14	5.6	33.40	7.9	25.4	0.50
F29	03 Feb 2017	52	11.64	89.14	5.5	33.42	7.9	25.4	0.49
F29	03 Feb 2017	53	11.60	89.28	5.5	33.42	7.9	25.4	0.47
F29	03 Feb 2017	54	11.60	89.33	5.4	33.42	7.9	25.4	0.45
F29	03 Feb 2017	55	11.59	89.29	5.4	33.44	7.9	25.5	0.44
F29	03 Feb 2017	56	11.50	89.23	5.3	33.45	7.9	25.5	0.42
F29	03 Feb 2017	57	11.44	88.97	5.3	33.45	7.9	25.5	0.41
F29	03 Feb 2017	58	11.46	88.61	5.3	33.45	7.9	25.5	0.39
F29	03 Feb 2017	59	11.39	88.57	5.3	33.46	7.9	25.5	0.38
F29	03 Feb 2017	60	11.31	88.44	5.2	33.48	7.9	25.5	0.36
F29	03 Feb 2017	61	11.26	88.35	5.1	33.48	7.9	25.5	0.33
F29	03 Feb 2017	62	11.23	88.33	5.1	33.49	7.9	25.6	0.30
F29	03 Feb 2017	63	11.19	88.37	5.0	33.50	7.9	25.6	0.31
F29	03 Feb 2017	64	11.13	88.41	5.0	33.51	7.9	25.6	0.28
F29	03 Feb 2017	65	11.06	88.36	4.9	33.53	7.8	25.6	0.26
F29	03 Feb 2017	66	10.88	87.54	4.8	33.56	7.8	25.7	0.25
F29	03 Feb 2017	67	10.85	86.47	4.7	33.56	7.8	25.7	0.22
F29	03 Feb 2017	68	10.77	85.89	4.7	33.58	7.8	25.7	0.20
F29	03 Feb 2017	69	10.72	85.60	4.7	33.59	7.8	25.7	0.20
F29	03 Feb 2017	70	10.66	85.59	4.6	33.60	7.8	25.8	0.19
F29	03 Feb 2017	71	10.58	85.75	4.5	33.62	7.8	25.8	0.18
F29	03 Feb 2017	72	10.49	86.07	4.5	33.65	7.8	25.8	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	03 Feb 2017	73	10.36	86.11	4.4	33.68	7.8	25.9	0.16
F29	03 Feb 2017	74	10.40	86.24	4.4	33.66	7.8	25.8	0.15
F29	03 Feb 2017	75	10.36	86.28	4.4	33.68	7.8	25.9	0.16
F29	03 Feb 2017	76	10.29	86.20	4.3	33.69	7.8	25.9	0.14
F29	03 Feb 2017	77	10.27	85.81	4.3	33.69	7.8	25.9	0.21
F29	03 Feb 2017	78	10.25	85.25	4.3	33.70	7.8	25.9	0.16
F29	03 Feb 2017	79	10.23	84.06	4.3	33.70	7.8	25.9	0.15
F29	03 Feb 2017	80	10.21	82.54	4.2	33.71	7.8	25.9	0.13
F29	03 Feb 2017	81	10.20	81.49	4.2	33.71	7.8	25.9	0.12
F29	03 Feb 2017	82	10.18	78.70	4.2	33.71	7.8	25.9	0.12
F29	03 Feb 2017	83	10.17	75.17	4.1	33.72	7.8	25.9	0.13
F29	03 Feb 2017	84	10.15	71.00	4.1	33.72	7.8	25.9	0.13
F29	03 Feb 2017	85	10.15	69.77	4.1	33.72	7.8	25.9	0.13
F29	03 Feb 2017	86	10.15	69.15	4.1	33.72	7.8	25.9	0.13
F29	03 Feb 2017	87	10.15	68.63	4.1	33.72	7.8	25.9	0.13
F29	03 Feb 2017	88	10.14	67.31	4.0	33.73	7.8	25.9	0.13
F29	03 Feb 2017	89	10.14	63.79	4.0	33.73	7.8	25.9	0.13
F29	03 Feb 2017	90	10.13	62.25	4.0	33.73	7.8	25.9	0.14
F29	03 Feb 2017	91	10.12	61.75	4.0	33.73	7.8	25.9	0.14
F29	03 Feb 2017	92	10.13	60.54	4.0	33.73	7.8	25.9	0.14
F29	03 Feb 2017	93	10.12	58.93	4.0	33.74	7.8	25.9	0.14
F29	03 Feb 2017	94	10.11	58.06	4.0	33.74	7.8	25.9	0.14
F29	03 Feb 2017	95	10.11	56.36	4.0	33.74	7.8	25.9	0.15
F29	03 Feb 2017	96	10.11	56.45	4.0	33.74	7.8	25.9	0.15
F29	03 Feb 2017	97	10.11	56.99	4.0	33.74	7.8	25.9	0.15
F29	03 Feb 2017	98	10.11	54.31	4.0	33.74	7.8	25.9	0.15
F29	03 Feb 2017	99	10.10	50.56	3.9	33.74	7.8	25.9	0.15
F30	03 Feb 2017	1	14.92	88.68	8.1	33.30	8.1	24.7	0.43
F30	03 Feb 2017	2	14.91	88.65	8.1	33.30	8.1	24.7	0.46
F30	03 Feb 2017	3	14.90	88.64	8.1	33.31	8.1	24.7	0.46
F30	03 Feb 2017	4	14.90	88.64	8.1	33.30	8.1	24.7	0.50
F30	03 Feb 2017	5	14.90	88.80	8.1	33.32	8.1	24.7	0.46
F30	03 Feb 2017	6	14.91	89.22	8.0	33.32	8.1	24.7	0.43
F30	03 Feb 2017	7	14.91	89.28	8.0	33.32	8.1	24.7	0.45
F30	03 Feb 2017	8	14.90	89.34	8.0	33.32	8.1	24.7	0.48
F30	03 Feb 2017	9	14.89	89.38	8.0	33.32	8.1	24.7	0.70
F30	03 Feb 2017	10	14.88	89.58	8.0	33.33	8.1	24.7	0.63
F30	03 Feb 2017	11	14.88	89.63	8.0	33.33	8.1	24.7	0.56
F30	03 Feb 2017	12	14.88	89.70	8.0	33.33	8.1	24.7	0.56
F30	03 Feb 2017	13	14.87	89.70	8.0	33.33	8.1	24.7	0.57
F30	03 Feb 2017	14	14.86	89.78	8.0	33.33	8.1	24.7	0.59
F30	03 Feb 2017	15	14.85	89.63	8.0	33.32	8.1	24.7	0.61
F30	03 Feb 2017	16	14.85	89.83	8.0	33.32	8.1	24.7	0.65
F30	03 Feb 2017	17	14.85	89.88	8.0	33.33	8.1	24.7	0.70
F30	03 Feb 2017	18	14.84	89.96	8.0	33.33	8.1	24.7	0.73
F30	03 Feb 2017	19	14.84	90.02	8.0	33.33	8.1	24.7	0.73
F30	03 Feb 2017	20	14.84	90.03	8.0	33.33	8.1	24.7	0.82
F30	03 Feb 2017	21	14.84	90.07	8.0	33.33	8.1	24.7	0.78
F30	03 Feb 2017	22	14.84	89.89	8.0	33.33	8.1	24.7	0.78
F30	03 Feb 2017	23	14.84	90.11	8.0	33.33	8.1	24.7	0.81
F30	03 Feb 2017	24	14.84	90.01	8.0	33.33	8.1	24.7	0.81
F30	03 Feb 2017	25	14.84	90.12	8.0	33.33	8.1	24.7	0.83
F30	03 Feb 2017	26	14.83	90.19	7.9	33.33	8.1	24.7	0.81
F30	03 Feb 2017	27	14.81	90.27	7.9	33.33	8.1	24.7	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	03 Feb 2017	28	14.79	90.25	7.9	33.33	8.1	24.7	0.93
F30	03 Feb 2017	29	14.80	90.30	7.9	33.34	8.1	24.7	1.02
F30	03 Feb 2017	30	14.80	90.30	7.9	33.35	8.1	24.7	1.13
F30	03 Feb 2017	31	14.77	90.28	7.8	33.35	8.1	24.8	1.16
F30	03 Feb 2017	32	14.60	90.39	7.6	33.37	8.1	24.8	1.12
F30	03 Feb 2017	33	14.37	90.36	7.4	33.36	8.1	24.8	1.11
F30	03 Feb 2017	34	14.26	90.36	7.3	33.34	8.1	24.9	1.07
F30	03 Feb 2017	35	13.95	90.37	7.0	33.37	8.1	24.9	1.08
F30	03 Feb 2017	36	13.51	90.09	6.7	33.38	8.1	25.0	1.06
F30	03 Feb 2017	37	13.32	89.68	6.5	33.34	8.0	25.0	0.98
F30	03 Feb 2017	38	13.20	89.71	6.4	33.34	8.0	25.1	0.93
F30	03 Feb 2017	39	13.13	89.67	6.4	33.33	8.0	25.1	0.93
F30	03 Feb 2017	40	13.12	89.51	6.3	33.33	8.0	25.1	0.89
F30	03 Feb 2017	41	13.09	89.43	6.3	33.33	8.0	25.1	0.88
F30	03 Feb 2017	42	13.03	89.13	6.2	33.34	8.0	25.1	0.85
F30	03 Feb 2017	43	12.92	88.78	6.2	33.36	8.0	25.1	0.83
F30	03 Feb 2017	44	12.74	89.02	6.1	33.35	8.0	25.2	0.85
F30	03 Feb 2017	45	12.68	89.72	6.1	33.35	8.0	25.2	0.81
F30	03 Feb 2017	46	12.62	89.84	6.1	33.35	8.0	25.2	0.76
F30	03 Feb 2017	47	12.61	89.71	6.0	33.35	8.0	25.2	0.74
F30	03 Feb 2017	48	12.60	89.44	6.0	33.35	8.0	25.2	0.69
F30	03 Feb 2017	49	12.56	87.30	5.8	33.37	8.0	25.2	0.70
F30	03 Feb 2017	50	12.34	85.35	5.8	33.38	7.9	25.3	0.74
F30	03 Feb 2017	51	12.26	86.44	5.8	33.37	7.9	25.3	0.73
F30	03 Feb 2017	52	12.19	87.03	5.8	33.37	7.9	25.3	0.72
F30	03 Feb 2017	53	12.03	87.67	5.8	33.39	7.9	25.3	0.67
F30	03 Feb 2017	54	11.93	88.10	5.6	33.40	7.9	25.4	0.65
F30	03 Feb 2017	55	11.90	87.41	5.5	33.40	7.9	25.4	0.59
F30	03 Feb 2017	56	11.82	87.19	5.4	33.43	7.9	25.4	0.56
F30	03 Feb 2017	57	11.59	86.66	5.3	33.46	7.9	25.5	0.49
F30	03 Feb 2017	58	11.55	86.32	5.2	33.45	7.9	25.5	0.45
F30	03 Feb 2017	59	11.47	86.24	5.2	33.47	7.9	25.5	0.40
F30	03 Feb 2017	60	11.37	86.36	5.1	33.48	7.9	25.5	0.39
F30	03 Feb 2017	61	11.21	85.88	5.0	33.51	7.9	25.6	0.36
F30	03 Feb 2017	62	10.91	83.40	4.7	33.53	7.8	25.7	0.33
F30	03 Feb 2017	63	10.50	74.10	4.4	33.58	7.8	25.8	0.27
F30	03 Feb 2017	64	10.43	70.64	4.2	33.56	7.8	25.8	0.22
F30	03 Feb 2017	65	10.42	70.59	4.2	33.57	7.8	25.8	0.19
F30	03 Feb 2017	66	10.38	69.51	4.2	33.58	7.8	25.8	0.19
F30	03 Feb 2017	67	10.37	68.41	4.2	33.58	7.8	25.8	0.19
F30	03 Feb 2017	68	10.36	66.70	4.2	33.57	7.8	25.8	0.19
F30	03 Feb 2017	69	10.38	66.78	4.2	33.57	7.8	25.8	0.18
F30	03 Feb 2017	70	10.39	68.10	4.2	33.57	7.8	25.8	0.18
F30	03 Feb 2017	71	10.38	68.47	4.2	33.57	7.8	25.8	0.21
F30	03 Feb 2017	72	10.36	68.02	4.2	33.58	7.8	25.8	0.17
F30	03 Feb 2017	73	10.35	67.20	4.2	33.59	7.8	25.8	0.18
F30	03 Feb 2017	74	10.35	66.96	4.1	33.59	7.8	25.8	0.16
F30	03 Feb 2017	75	10.35	66.35	4.1	33.59	7.8	25.8	0.17
F30	03 Feb 2017	76	10.35	66.48	4.1	33.59	7.8	25.8	0.16
F30	03 Feb 2017	77	10.35	67.40	4.1	33.59	7.8	25.8	0.16
F30	03 Feb 2017	78	10.36	67.74	4.1	33.59	7.8	25.8	0.16
F30	03 Feb 2017	79	10.33	67.36	4.1	33.61	7.8	25.8	0.17
F30	03 Feb 2017	80	10.31	66.19	4.1	33.61	7.8	25.8	0.16
F30	03 Feb 2017	81	10.31	65.58	4.1	33.62	7.8	25.8	0.16
F30	03 Feb 2017	82	10.31	65.47	4.1	33.62	7.8	25.8	0.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	03 Feb 2017	83	10.31	65.02	4.1	33.62	7.8	25.8	0.17
F30	03 Feb 2017	84	10.31	65.04	4.1	33.62	7.8	25.8	0.16
F30	03 Feb 2017	85	10.32	64.51	4.1	33.61	7.8	25.8	0.16
F30	03 Feb 2017	86	10.31	65.59	4.1	33.62	7.8	25.8	0.17
F30	03 Feb 2017	87	10.32	65.39	4.1	33.61	7.8	25.8	0.16
F30	03 Feb 2017	88	10.29	65.32	4.0	33.62	7.8	25.8	0.16
F30	03 Feb 2017	89	10.28	66.78	4.0	33.63	7.8	25.8	0.16
F30	03 Feb 2017	90	10.28	67.60	4.0	33.65	7.8	25.9	0.16
F30	03 Feb 2017	91	10.27	67.86	4.1	33.67	7.8	25.9	0.16
F30	03 Feb 2017	92	10.24	68.60	4.0	33.69	7.8	25.9	0.15
F30	03 Feb 2017	93	10.23	68.03	4.0	33.69	7.8	25.9	0.15
F30	03 Feb 2017	94	10.21	67.73	4.0	33.69	7.8	25.9	0.15
F30	03 Feb 2017	95	10.20	67.85	4.0	33.69	7.8	25.9	0.14
F30	03 Feb 2017	96	10.19	68.51	4.0	33.69	7.8	25.9	0.15
F30	03 Feb 2017	97	10.04	61.80	3.9	33.76	7.8	26.0	0.14
F30	03 Feb 2017	98	10.01	48.20	3.8	33.76	7.8	26.0	0.15
F31	03 Feb 2017	1	14.88	83.85	8.2	33.25	8.1	24.7	0.73
F31	03 Feb 2017	2	14.91	83.92	8.2	33.26	8.1	24.6	0.72
F31	03 Feb 2017	3	14.85	83.93	8.2	33.27	8.1	24.7	0.73
F31	03 Feb 2017	4	14.83	84.15	8.1	33.28	8.1	24.7	0.76
F31	03 Feb 2017	5	14.86	85.53	8.1	33.30	8.1	24.7	0.78
F31	03 Feb 2017	6	14.88	87.97	8.0	33.31	8.1	24.7	0.73
F31	03 Feb 2017	7	14.88	88.25	8.1	33.32	8.1	24.7	0.72
F31	03 Feb 2017	8	14.90	88.52	8.1	33.32	8.1	24.7	0.70
F31	03 Feb 2017	9	14.91	88.72	8.0	33.33	8.1	24.7	0.70
F31	03 Feb 2017	10	14.91	88.73	8.0	33.33	8.1	24.7	0.71
F31	03 Feb 2017	11	14.92	88.51	8.0	33.33	8.1	24.7	0.73
F31	03 Feb 2017	12	14.92	88.79	8.0	33.33	8.1	24.7	0.69
F31	03 Feb 2017	13	14.92	88.83	8.0	33.33	8.1	24.7	0.70
F31	03 Feb 2017	14	14.92	88.86	8.0	33.33	8.1	24.7	0.71
F31	03 Feb 2017	15	14.92	88.88	8.0	33.33	8.1	24.7	0.70
F31	03 Feb 2017	16	14.92	88.97	8.0	33.34	8.1	24.7	0.71
F31	03 Feb 2017	17	14.91	88.98	8.0	33.34	8.1	24.7	0.72
F31	03 Feb 2017	18	14.91	88.96	8.0	33.34	8.1	24.7	0.72
F31	03 Feb 2017	19	14.90	89.04	8.0	33.34	8.1	24.7	0.75
F31	03 Feb 2017	20	14.90	89.10	8.0	33.34	8.1	24.7	0.75
F31	03 Feb 2017	21	14.89	89.14	8.0	33.34	8.1	24.7	0.79
F31	03 Feb 2017	22	14.89	89.16	8.0	33.34	8.1	24.7	0.84
F31	03 Feb 2017	23	14.89	89.24	8.0	33.34	8.1	24.7	0.79
F31	03 Feb 2017	24	14.87	89.26	8.0	33.34	8.1	24.7	0.80
F31	03 Feb 2017	25	14.87	89.34	8.0	33.34	8.1	24.7	0.79
F31	03 Feb 2017	26	14.85	89.37	8.0	33.34	8.1	24.7	0.83
F31	03 Feb 2017	27	14.84	89.23	7.9	33.34	8.1	24.7	0.84
F31	03 Feb 2017	28	14.79	89.24	7.8	33.35	8.1	24.7	0.85
F31	03 Feb 2017	29	14.61	89.25	7.7	33.34	8.1	24.8	0.99
F31	03 Feb 2017	30	14.55	89.32	7.6	33.34	8.1	24.8	0.97
F31	03 Feb 2017	31	14.52	89.29	7.6	33.33	8.1	24.8	1.08
F31	03 Feb 2017	32	14.50	89.36	7.6	33.33	8.1	24.8	1.07
F31	03 Feb 2017	33	14.43	89.28	7.5	33.33	8.1	24.8	1.04
F31	03 Feb 2017	34	14.33	89.09	7.4	33.34	8.1	24.8	1.05
F31	03 Feb 2017	35	14.18	88.61	7.3	33.34	8.1	24.9	1.12
F31	03 Feb 2017	36	14.07	87.83	7.2	33.34	8.1	24.9	1.14
F31	03 Feb 2017	37	13.98	86.82	7.0	33.34	8.1	24.9	1.25
F31	03 Feb 2017	38	13.81	85.74	6.9	33.35	8.1	25.0	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F31	03 Feb 2017	39	13.70	82.27	6.7	33.34	8.0	25.0	1.40
F31	03 Feb 2017	40	13.68	80.37	6.7	33.33	8.0	25.0	1.59
F31	03 Feb 2017	41	13.64	79.80	6.6	33.34	8.0	25.0	1.66
F31	03 Feb 2017	42	13.53	78.77	6.4	33.35	8.0	25.0	1.72
F31	03 Feb 2017	43	13.38	76.76	6.2	33.36	8.0	25.0	1.67
F31	03 Feb 2017	44	13.22	76.29	6.0	33.37	8.0	25.1	1.58
F31	03 Feb 2017	45	13.02	73.31	5.9	33.37	8.0	25.1	1.55
F31	03 Feb 2017	46	12.90	74.15	5.9	33.37	8.0	25.1	1.39
F31	03 Feb 2017	47	12.82	79.43	5.9	33.36	8.0	25.2	1.31
F31	03 Feb 2017	48	12.77	82.46	5.8	33.36	8.0	25.2	1.13
F31	03 Feb 2017	49	12.74	83.78	5.8	33.37	8.0	25.2	1.00
F31	03 Feb 2017	50	12.67	82.28	5.7	33.38	7.9	25.2	0.93
F31	03 Feb 2017	51	12.59	79.56	5.6	33.39	7.9	25.2	0.91
F31	03 Feb 2017	52	12.59	80.06	5.6	33.38	7.9	25.2	0.89
F31	03 Feb 2017	53	12.57	78.82	5.6	33.38	7.9	25.2	0.87
F31	03 Feb 2017	54	12.57	78.55	5.6	33.38	7.9	25.2	0.84
F31	03 Feb 2017	55	12.55	78.56	5.5	33.39	7.9	25.2	0.82
F31	03 Feb 2017	56	12.42	77.74	5.4	33.42	7.9	25.3	0.76
F31	03 Feb 2017	57	12.29	76.65	5.4	33.41	7.9	25.3	0.72
F31	03 Feb 2017	58	12.26	77.72	5.4	33.41	7.9	25.3	0.67
F31	03 Feb 2017	59	12.03	79.37	5.4	33.44	7.9	25.4	0.62
F31	03 Feb 2017	60	11.75	83.25	5.4	33.44	7.9	25.4	0.58
F31	03 Feb 2017	61	11.65	84.41	5.4	33.44	7.9	25.4	0.53
F31	03 Feb 2017	62	11.52	84.87	5.3	33.45	7.9	25.5	0.51
F31	03 Feb 2017	63	11.38	84.16	5.2	33.49	7.9	25.5	0.46
F31	03 Feb 2017	64	11.31	84.28	5.0	33.48	7.9	25.5	0.36
F31	03 Feb 2017	65	10.90	84.11	4.8	33.58	7.8	25.7	0.31
F31	03 Feb 2017	66	10.79	83.97	4.7	33.58	7.8	25.7	0.24
F31	03 Feb 2017	67	10.73	82.56	4.6	33.59	7.8	25.7	0.23
F31	03 Feb 2017	68	10.63	79.23	4.5	33.61	7.8	25.8	0.21
F31	03 Feb 2017	69	10.59	75.83	4.4	33.61	7.8	25.8	0.20
F31	03 Feb 2017	70	10.55	74.20	4.4	33.61	7.8	25.8	0.18
F31	03 Feb 2017	71	10.50	71.78	4.3	33.62	7.8	25.8	0.18
F31	03 Feb 2017	72	10.43	69.24	4.3	33.63	7.8	25.8	0.18
F31	03 Feb 2017	73	10.41	68.49	4.2	33.63	7.8	25.8	0.17
F31	03 Feb 2017	74	10.39	67.95	4.2	33.64	7.8	25.8	0.17
F31	03 Feb 2017	75	10.36	67.91	4.2	33.64	7.8	25.8	0.17
F31	03 Feb 2017	76	10.35	68.27	4.2	33.64	7.8	25.8	0.17
F31	03 Feb 2017	77	10.34	67.90	4.2	33.65	7.8	25.8	0.16
F31	03 Feb 2017	78	10.34	67.52	4.2	33.65	7.8	25.8	0.16
F31	03 Feb 2017	79	10.35	67.76	4.2	33.66	7.8	25.8	0.16
F31	03 Feb 2017	80	10.34	68.58	4.2	33.66	7.8	25.9	0.16
F31	03 Feb 2017	81	10.33	69.62	4.2	33.66	7.8	25.9	0.16
F31	03 Feb 2017	82	10.31	70.58	4.2	33.66	7.8	25.9	0.16
F31	03 Feb 2017	83	10.28	70.56	4.1	33.67	7.8	25.9	0.16
F31	03 Feb 2017	84	10.22	72.09	4.1	33.68	7.8	25.9	0.15
F31	03 Feb 2017	85	10.21	72.58	4.1	33.69	7.8	25.9	0.15
F31	03 Feb 2017	86	10.18	72.50	4.0	33.69	7.8	25.9	0.16
F31	03 Feb 2017	87	10.16	71.28	4.0	33.70	7.8	25.9	0.14
F31	03 Feb 2017	88	10.13	71.32	4.0	33.70	7.8	25.9	0.14
F31	03 Feb 2017	89	10.07	72.00	4.0	33.74	7.8	26.0	0.15
F31	03 Feb 2017	90	10.04	71.73	3.9	33.75	7.8	26.0	0.15
F31	03 Feb 2017	91	10.04	70.62	3.9	33.76	7.8	26.0	0.15
F31	03 Feb 2017	92	10.05	70.07	3.9	33.75	7.8	26.0	0.14
F31	03 Feb 2017	93	10.04	69.45	3.9	33.76	7.8	26.0	0.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	03 Feb 2017	94	10.04	66.88	3.9	33.76	7.8	26.0	0.15
F31	03 Feb 2017	95	10.04	61.72	3.9	33.77	7.8	26.0	0.15
F31	03 Feb 2017	96	10.03	60.17	3.8	33.77	7.8	26.0	0.15
F31	03 Feb 2017	97	9.97	59.30	3.8	33.80	7.8	26.0	0.16
F31	03 Feb 2017	98	9.96	47.62	3.7	33.80	7.8	26.0	0.19
F32	03 Feb 2017	1	14.95	89.14	8.0	33.33	8.1	24.7	0.46
F32	03 Feb 2017	2	14.91	88.94	8.1	33.33	8.1	24.7	0.52
F32	03 Feb 2017	3	14.88	88.71	8.1	33.32	8.1	24.7	0.56
F32	03 Feb 2017	4	14.88	88.25	8.1	33.32	8.1	24.7	0.60
F32	03 Feb 2017	5	14.87	88.23	8.1	33.32	8.1	24.7	0.58
F32	03 Feb 2017	6	14.87	88.23	8.1	33.32	8.1	24.7	0.61
F32	03 Feb 2017	7	14.86	88.19	8.0	33.32	8.1	24.7	0.62
F32	03 Feb 2017	8	14.86	88.17	8.0	33.32	8.1	24.7	0.65
F32	03 Feb 2017	9	14.86	88.08	8.1	33.32	8.1	24.7	0.69
F32	03 Feb 2017	10	14.86	87.97	8.1	33.32	8.1	24.7	0.73
F32	03 Feb 2017	11	14.85	88.09	8.1	33.32	8.1	24.7	0.74
F32	03 Feb 2017	12	14.85	88.05	8.1	33.32	8.1	24.7	0.76
F32	03 Feb 2017	13	14.85	88.01	8.0	33.32	8.1	24.7	0.78
F32	03 Feb 2017	14	14.84	87.83	8.0	33.32	8.1	24.7	0.82
F32	03 Feb 2017	15	14.84	88.07	8.1	33.32	8.1	24.7	0.83
F32	03 Feb 2017	16	14.82	88.47	8.1	33.33	8.1	24.7	0.79
F32	03 Feb 2017	17	14.80	88.58	8.1	33.33	8.1	24.7	0.79
F32	03 Feb 2017	18	14.79	88.59	8.0	33.33	8.1	24.7	0.79
F32	03 Feb 2017	19	14.79	88.65	8.1	33.33	8.1	24.7	0.78
F32	03 Feb 2017	20	14.78	88.72	8.0	33.33	8.1	24.7	0.80
F32	03 Feb 2017	21	14.77	88.73	8.0	33.33	8.1	24.7	0.82
F32	03 Feb 2017	22	14.77	88.72	8.0	33.33	8.1	24.7	0.84
F32	03 Feb 2017	23	14.75	88.73	8.0	33.33	8.1	24.7	0.89
F32	03 Feb 2017	24	14.73	88.75	8.0	33.33	8.1	24.7	0.99
F32	03 Feb 2017	25	14.71	88.75	7.9	33.32	8.1	24.7	0.97
F32	03 Feb 2017	26	14.68	88.75	7.9	33.33	8.1	24.8	1.04
F32	03 Feb 2017	27	14.64	88.71	7.8	33.33	8.1	24.8	1.09
F32	03 Feb 2017	28	14.60	88.78	7.7	33.33	8.1	24.8	1.05
F32	03 Feb 2017	29	14.46	88.83	7.5	33.34	8.1	24.8	1.08
F32	03 Feb 2017	30	14.14	88.57	7.3	33.36	8.1	24.9	1.10
F32	03 Feb 2017	31	14.01	87.30	7.2	33.34	8.1	24.9	1.26
F32	03 Feb 2017	32	13.98	86.64	7.1	33.33	8.1	24.9	1.37
F32	03 Feb 2017	33	13.95	86.12	7.0	33.33	8.1	24.9	1.37
F32	03 Feb 2017	34	13.90	85.72	7.0	33.33	8.1	24.9	1.47
F32	03 Feb 2017	35	13.87	85.17	6.9	33.33	8.1	24.9	1.57
F32	03 Feb 2017	36	13.84	84.75	6.9	33.33	8.1	24.9	1.63
F32	03 Feb 2017	37	13.82	83.84	6.9	33.33	8.0	24.9	1.71
F32	03 Feb 2017	38	13.80	83.29	6.8	33.33	8.0	24.9	1.86
F32	03 Feb 2017	39	13.79	82.99	6.8	33.33	8.0	24.9	1.84
F32	03 Feb 2017	40	13.78	82.51	6.8	33.33	8.0	24.9	1.83
F32	03 Feb 2017	41	13.75	82.19	6.8	33.34	8.0	25.0	1.79
F32	03 Feb 2017	42	13.72	82.39	6.7	33.34	8.0	25.0	1.80
F32	03 Feb 2017	43	13.70	83.06	6.6	33.33	8.0	25.0	1.72
F32	03 Feb 2017	44	13.65	83.39	6.6	33.34	8.0	25.0	1.60
F32	03 Feb 2017	45	13.55	83.61	6.5	33.35	8.0	25.0	1.57
F32	03 Feb 2017	46	13.49	83.72	6.4	33.35	8.0	25.0	1.47
F32	03 Feb 2017	47	13.33	82.99	6.2	33.36	8.0	25.1	1.39
F32	03 Feb 2017	48	13.17	82.25	6.1	33.38	8.0	25.1	1.33
F32	03 Feb 2017	49	13.02	81.69	6.0	33.38	8.0	25.1	1.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	03 Feb 2017	50	12.98	81.21	5.9	33.37	8.0	25.1	1.08
F32	03 Feb 2017	51	12.97	81.14	5.9	33.37	8.0	25.1	0.97
F32	03 Feb 2017	52	12.94	81.02	5.8	33.37	8.0	25.1	0.94
F32	03 Feb 2017	53	12.91	80.67	5.8	33.37	8.0	25.1	0.90
F32	03 Feb 2017	54	12.82	80.33	5.7	33.38	8.0	25.2	0.87
F32	03 Feb 2017	55	12.75	80.44	5.6	33.38	7.9	25.2	0.81
F32	03 Feb 2017	56	12.64	80.39	5.6	33.39	7.9	25.2	0.77
F32	03 Feb 2017	57	12.57	80.65	5.6	33.39	7.9	25.2	0.74
F32	03 Feb 2017	58	12.55	79.98	5.5	33.39	7.9	25.2	0.71
F32	03 Feb 2017	59	12.41	78.32	5.4	33.41	7.9	25.3	0.65
F32	03 Feb 2017	60	12.33	76.67	5.3	33.41	7.9	25.3	0.61
F32	03 Feb 2017	61	12.22	77.27	5.4	33.42	7.9	25.3	0.58
F32	03 Feb 2017	62	12.15	78.88	5.3	33.42	7.9	25.3	0.55
F32	03 Feb 2017	63	12.00	77.74	5.2	33.45	7.9	25.4	0.55
F32	03 Feb 2017	64	11.76	76.58	5.1	33.48	7.9	25.5	0.51
F32	03 Feb 2017	65	11.51	76.12	5.0	33.51	7.9	25.5	0.48
F32	03 Feb 2017	66	11.04	76.39	4.8	33.58	7.8	25.7	0.44
F32	03 Feb 2017	67	10.86	75.43	4.6	33.58	7.8	25.7	0.34
F32	03 Feb 2017	68	10.85	74.05	4.6	33.57	7.8	25.7	0.28
F32	03 Feb 2017	69	10.84	74.13	4.5	33.57	7.8	25.7	0.24
F32	03 Feb 2017	70	10.83	73.51	4.5	33.57	7.8	25.7	0.22
F32	03 Feb 2017	71	10.83	73.18	4.5	33.57	7.8	25.7	0.22
F32	03 Feb 2017	72	10.83	73.10	4.5	33.57	7.8	25.7	0.21
F32	03 Feb 2017	73	10.82	73.03	4.5	33.57	7.8	25.7	0.22
F32	03 Feb 2017	74	10.82	72.90	4.5	33.58	7.8	25.7	0.22
F32	03 Feb 2017	75	10.82	73.07	4.5	33.58	7.8	25.7	0.21
F32	03 Feb 2017	76	10.82	73.45	4.5	33.58	7.8	25.7	0.22
F32	03 Feb 2017	77	10.80	73.61	4.5	33.58	7.8	25.7	0.21
F32	03 Feb 2017	78	10.68	74.54	4.4	33.59	7.8	25.7	0.20
F32	03 Feb 2017	79	10.52	75.12	4.4	33.60	7.8	25.8	0.19
F32	03 Feb 2017	80	10.44	74.43	4.3	33.60	7.8	25.8	0.18
F32	03 Feb 2017	81	10.40	74.84	4.2	33.61	7.8	25.8	0.18
F32	03 Feb 2017	82	10.39	75.29	4.2	33.62	7.8	25.8	0.18
F32	03 Feb 2017	83	10.39	77.06	4.2	33.64	7.8	25.8	0.16
F32	03 Feb 2017	84	10.37	77.64	4.2	33.65	7.8	25.8	0.16
F32	03 Feb 2017	85	10.34	78.58	4.2	33.66	7.8	25.8	0.16
F32	03 Feb 2017	86	10.33	78.73	4.2	33.66	7.8	25.8	0.16
F32	03 Feb 2017	87	10.29	78.88	4.1	33.67	7.8	25.9	0.16
F32	03 Feb 2017	88	10.24	79.08	4.1	33.69	7.8	25.9	0.15
F32	03 Feb 2017	89	10.24	79.13	4.1	33.69	7.8	25.9	0.15
F32	03 Feb 2017	90	10.23	78.55	4.1	33.69	7.8	25.9	0.15
F32	03 Feb 2017	91	10.22	77.12	4.1	33.70	7.8	25.9	0.15
F32	03 Feb 2017	92	10.20	75.52	4.0	33.70	7.8	25.9	0.16
F32	03 Feb 2017	93	10.18	74.74	4.0	33.71	7.8	25.9	0.16
F32	03 Feb 2017	94	10.16	74.63	4.0	33.72	7.8	25.9	0.15
F32	03 Feb 2017	95	10.11	74.15	4.0	33.74	7.8	25.9	0.16
F32	03 Feb 2017	96	10.03	74.59	3.9	33.77	7.8	26.0	0.18
F32	03 Feb 2017	97	9.90	73.98	3.8	33.82	7.8	26.0	0.15
F32	03 Feb 2017	98	9.89	75.92	3.8	33.82	7.8	26.0	0.15
F32	03 Feb 2017	99	9.75	69.14	3.6	33.89	7.7	26.1	0.15
F33	03 Feb 2017	2	14.85	84.49	8.3	33.21	8.2	24.6	1.40
F33	03 Feb 2017	3	14.86	84.36	8.3	33.21	8.2	24.6	1.42
F33	03 Feb 2017	4	14.86	84.54	8.3	33.21	8.2	24.6	1.45
F33	03 Feb 2017	5	14.79	84.47	8.3	33.22	8.2	24.6	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F33	03 Feb 2017	6	14.78	84.57	8.3	33.22	8.1	24.6	1.52
F33	03 Feb 2017	7	14.82	84.41	8.3	33.21	8.1	24.6	1.56
F33	03 Feb 2017	8	14.74	84.55	8.2	33.23	8.1	24.7	1.72
F33	03 Feb 2017	9	14.72	84.65	8.2	33.23	8.1	24.7	1.97
F33	03 Feb 2017	10	14.71	84.42	8.1	33.23	8.1	24.7	1.92
F33	03 Feb 2017	11	14.65	84.81	8.1	33.24	8.1	24.7	1.81
F33	03 Feb 2017	12	14.58	84.57	8.0	33.25	8.1	24.7	2.11
F33	03 Feb 2017	13	14.54	84.42	8.0	33.25	8.1	24.7	2.25
F33	03 Feb 2017	14	14.52	84.49	8.0	33.25	8.1	24.7	2.48
F33	03 Feb 2017	15	14.49	84.62	7.9	33.25	8.1	24.7	2.52
F33	03 Feb 2017	16	14.47	84.21	7.9	33.26	8.1	24.7	2.47
F33	03 Feb 2017	17	14.44	83.73	7.9	33.26	8.1	24.7	2.56
F33	03 Feb 2017	18	14.42	83.21	7.9	33.26	8.1	24.8	2.92
F33	03 Feb 2017	19	14.35	82.54	7.8	33.27	8.1	24.8	3.35
F33	03 Feb 2017	20	14.31	82.31	7.7	33.27	8.1	24.8	4.00
F33	03 Feb 2017	21	14.27	81.97	7.7	33.28	8.1	24.8	4.62
F33	03 Feb 2017	22	14.24	81.99	7.6	33.28	8.1	24.8	4.54
F33	03 Feb 2017	23	14.26	81.83	7.5	33.29	8.1	24.8	4.89
F33	03 Feb 2017	24	14.27	82.46	7.5	33.30	8.1	24.8	4.12
F33	03 Feb 2017	25	14.28	82.74	7.5	33.30	8.1	24.8	3.62
F33	03 Feb 2017	26	14.29	83.74	7.4	33.32	8.1	24.8	3.43
F33	03 Feb 2017	27	14.23	85.79	7.3	33.34	8.1	24.9	2.43
F33	03 Feb 2017	28	13.91	85.87	7.0	33.36	8.1	24.9	1.93
F33	03 Feb 2017	29	13.63	84.79	6.6	33.35	8.0	25.0	1.67
F33	03 Feb 2017	30	13.52	84.01	6.5	33.35	8.0	25.0	1.55
F33	03 Feb 2017	31	13.46	83.49	6.4	33.34	8.0	25.0	1.44
F33	03 Feb 2017	32	13.42	82.92	6.4	33.35	8.0	25.0	1.46
F33	03 Feb 2017	33	13.39	82.78	6.3	33.35	8.0	25.0	1.36
F33	03 Feb 2017	34	13.37	82.59	6.3	33.35	8.0	25.0	1.34
F33	03 Feb 2017	35	13.36	82.75	6.3	33.35	8.0	25.0	1.30
F33	03 Feb 2017	36	13.35	82.64	6.2	33.35	8.0	25.0	1.29
F33	03 Feb 2017	37	13.29	82.26	6.2	33.35	8.0	25.1	1.26
F33	03 Feb 2017	38	13.27	82.16	6.2	33.35	8.0	25.1	1.22
F33	03 Feb 2017	39	13.26	82.46	6.1	33.35	8.0	25.1	1.19
F33	03 Feb 2017	40	13.25	82.50	6.1	33.35	8.0	25.1	1.27
F33	03 Feb 2017	41	13.25	82.24	6.1	33.35	8.0	25.1	1.17
F33	03 Feb 2017	42	13.24	82.09	6.1	33.35	8.0	25.1	1.13
F33	03 Feb 2017	43	13.22	82.14	6.1	33.35	8.0	25.1	1.13
F33	03 Feb 2017	44	13.19	82.27	6.0	33.35	8.0	25.1	1.11
F33	03 Feb 2017	45	13.12	81.96	6.0	33.37	8.0	25.1	1.09
F33	03 Feb 2017	46	13.03	81.76	5.9	33.36	8.0	25.1	1.04
F33	03 Feb 2017	47	12.95	81.11	5.8	33.38	8.0	25.2	1.01
F33	03 Feb 2017	48	12.83	80.68	5.7	33.38	7.9	25.2	0.95
F33	03 Feb 2017	49	12.79	80.84	5.7	33.38	7.9	25.2	0.89
F33	03 Feb 2017	50	12.74	80.92	5.7	33.38	7.9	25.2	0.89
F33	03 Feb 2017	51	12.73	81.03	5.7	33.38	7.9	25.2	0.80
F33	03 Feb 2017	52	12.72	80.97	5.7	33.38	7.9	25.2	0.75
F33	03 Feb 2017	53	12.71	81.39	5.7	33.38	7.9	25.2	0.73
F33	03 Feb 2017	54	12.70	81.16	5.7	33.38	7.9	25.2	0.73
F33	03 Feb 2017	55	12.70	81.09	5.7	33.38	7.9	25.2	0.72
F33	03 Feb 2017	56	12.69	81.08	5.6	33.38	7.9	25.2	0.70
F33	03 Feb 2017	57	12.62	80.50	5.5	33.39	7.9	25.2	0.73
F33	03 Feb 2017	58	12.62	78.36	5.5	33.38	7.9	25.2	0.66
F33	03 Feb 2017	59	12.55	77.18	5.5	33.40	7.9	25.2	0.67
F33	03 Feb 2017	60	12.47	76.44	5.4	33.40	7.9	25.3	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F33	03 Feb 2017	61	12.46	75.93	5.4	33.40	7.9	25.3	0.57
F33	03 Feb 2017	62	12.43	75.83	5.3	33.40	7.9	25.3	0.54
F33	03 Feb 2017	63	12.24	74.75	5.3	33.42	7.9	25.3	0.52
F33	03 Feb 2017	64	12.22	73.75	5.2	33.41	7.9	25.3	0.48
F33	03 Feb 2017	65	12.22	72.85	5.2	33.41	7.9	25.3	0.45
F33	03 Feb 2017	66	12.23	71.90	5.2	33.42	7.9	25.3	0.45
F33	03 Feb 2017	67	12.10	70.89	5.2	33.44	7.9	25.4	0.46
F33	03 Feb 2017	68	12.05	70.20	5.1	33.43	7.9	25.4	0.47
F33	03 Feb 2017	69	11.94	69.52	5.0	33.46	7.9	25.4	0.43
F33	03 Feb 2017	70	11.76	69.04	4.9	33.50	7.9	25.5	0.40
F33	03 Feb 2017	71	11.30	70.49	4.8	33.54	7.8	25.6	0.38
F33	03 Feb 2017	72	11.19	74.32	4.8	33.53	7.8	25.6	0.31
F33	03 Feb 2017	73	11.15	75.66	4.7	33.53	7.8	25.6	0.26
F33	03 Feb 2017	74	11.06	76.12	4.7	33.54	7.8	25.6	0.23
F33	03 Feb 2017	75	10.92	75.47	4.6	33.57	7.8	25.7	0.21
F33	03 Feb 2017	76	10.85	75.04	4.6	33.57	7.8	25.7	0.20
F33	03 Feb 2017	77	10.82	74.53	4.6	33.57	7.8	25.7	0.19
F33	03 Feb 2017	78	10.78	74.18	4.5	33.58	7.8	25.7	0.18
F33	03 Feb 2017	79	10.68	74.46	4.4	33.60	7.8	25.7	0.17
F33	03 Feb 2017	80	10.50	76.10	4.4	33.63	7.8	25.8	0.16
F33	03 Feb 2017	81	10.43	78.07	4.3	33.63	7.8	25.8	0.15
F33	03 Feb 2017	82	10.41	79.28	4.2	33.64	7.8	25.8	0.13
F33	03 Feb 2017	83	10.39	79.48	4.2	33.64	7.8	25.8	0.14
F33	03 Feb 2017	84	10.35	79.94	4.2	33.65	7.8	25.8	0.12
F33	03 Feb 2017	85	10.23	79.90	4.1	33.70	7.8	25.9	0.13
F33	03 Feb 2017	86	10.08	78.35	4.0	33.76	7.8	26.0	0.11
F33	03 Feb 2017	87	9.93	77.61	4.0	33.80	7.8	26.0	0.11
F33	03 Feb 2017	88	9.90	79.01	3.9	33.80	7.8	26.0	0.10
F33	03 Feb 2017	89	9.87	78.86	3.9	33.81	7.8	26.0	0.10
F33	03 Feb 2017	90	9.83	78.47	3.9	33.82	7.8	26.1	0.09
F33	03 Feb 2017	91	9.79	78.92	3.8	33.84	7.8	26.1	0.09
F33	03 Feb 2017	92	9.79	78.07	3.8	33.84	7.8	26.1	0.09
F33	03 Feb 2017	93	9.79	77.46	3.8	33.84	7.8	26.1	0.10
F33	03 Feb 2017	94	9.80	77.31	3.8	33.84	7.8	26.1	0.10
F33	03 Feb 2017	95	9.80	75.12	3.8	33.84	7.8	26.1	0.11
F33	03 Feb 2017	96	9.79	74.30	3.7	33.85	7.8	26.1	0.12
F33	03 Feb 2017	97	9.79	74.05	3.7	33.85	7.7	26.1	0.11
F33	03 Feb 2017	98	9.78	72.50	3.7	33.86	7.7	26.1	0.10
F33	03 Feb 2017	99	9.76	70.83	3.6	33.88	7.7	26.1	0.11
F33	03 Feb 2017	100	9.74	60.39	3.5	33.90	7.7	26.1	0.12
F34	03 Feb 2017	1	14.85	84.57	8.8	33.17	8.2	24.6	1.07
F34	03 Feb 2017	2	14.81	84.63	8.8	33.18	8.2	24.6	1.17
F34	03 Feb 2017	3	14.76	84.31	8.9	33.18	8.2	24.6	1.23
F34	03 Feb 2017	4	14.75	83.96	8.9	33.18	8.2	24.6	1.35
F34	03 Feb 2017	5	14.75	83.92	8.8	33.19	8.2	24.6	1.60
F34	03 Feb 2017	6	14.73	84.62	8.5	33.23	8.2	24.7	1.79
F34	03 Feb 2017	7	14.65	85.61	8.2	33.26	8.1	24.7	1.69
F34	03 Feb 2017	8	14.57	86.16	8.0	33.26	8.1	24.7	1.65
F34	03 Feb 2017	9	14.50	86.17	7.9	33.26	8.1	24.7	1.92
F34	03 Feb 2017	10	14.48	85.56	7.9	33.26	8.1	24.7	2.26
F34	03 Feb 2017	11	14.48	85.38	7.8	33.26	8.1	24.7	2.16
F34	03 Feb 2017	12	14.44	84.51	7.8	33.27	8.1	24.8	2.05
F34	03 Feb 2017	13	14.42	85.23	7.7	33.27	8.1	24.8	2.09
F34	03 Feb 2017	14	14.40	85.37	7.7	33.27	8.1	24.8	2.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F34	03 Feb 2017	15	14.39	85.67	7.6	33.27	8.1	24.8	2.28
F34	03 Feb 2017	16	14.37	85.16	7.6	33.28	8.1	24.8	2.11
F34	03 Feb 2017	17	14.32	85.06	7.6	33.28	8.1	24.8	2.22
F34	03 Feb 2017	18	14.27	84.98	7.5	33.28	8.1	24.8	2.70
F34	03 Feb 2017	19	14.18	84.45	7.4	33.30	8.1	24.8	3.26
F34	03 Feb 2017	20	14.10	84.91	7.3	33.30	8.1	24.9	3.66
F34	03 Feb 2017	21	14.02	83.98	7.2	33.31	8.1	24.9	3.17
F34	03 Feb 2017	22	13.98	84.16	7.1	33.31	8.1	24.9	2.99
F34	03 Feb 2017	23	13.92	84.29	7.0	33.32	8.1	24.9	2.68
F34	03 Feb 2017	24	13.86	83.85	7.0	33.32	8.1	24.9	2.76
F34	03 Feb 2017	25	13.83	84.12	6.9	33.32	8.1	24.9	2.96
F34	03 Feb 2017	26	13.78	83.67	6.8	33.33	8.0	24.9	3.09
F34	03 Feb 2017	27	13.72	83.37	6.8	33.33	8.0	25.0	3.04
F34	03 Feb 2017	28	13.67	83.03	6.7	33.33	8.0	25.0	3.00
F34	03 Feb 2017	29	13.56	82.95	6.6	33.35	8.0	25.0	3.13
F34	03 Feb 2017	30	13.46	82.91	6.4	33.35	8.0	25.0	3.19
F34	03 Feb 2017	31	13.37	82.85	6.3	33.36	8.0	25.0	3.17
F34	03 Feb 2017	32	13.25	82.94	6.2	33.36	8.0	25.1	3.12
F34	03 Feb 2017	33	13.16	83.71	6.1	33.36	8.0	25.1	2.66
F34	03 Feb 2017	34	13.12	84.25	6.1	33.36	8.0	25.1	1.95
F34	03 Feb 2017	35	13.12	84.35	6.1	33.36	8.0	25.1	1.52
F34	03 Feb 2017	36	13.09	85.19	6.1	33.36	8.0	25.1	1.42
F34	03 Feb 2017	37	13.08	85.30	6.1	33.36	8.0	25.1	1.34
F34	03 Feb 2017	38	13.07	85.96	6.1	33.36	8.0	25.1	1.17
F34	03 Feb 2017	39	13.07	86.06	6.1	33.36	8.0	25.1	1.11
F34	03 Feb 2017	40	13.04	86.57	6.1	33.36	8.0	25.1	1.10
F34	03 Feb 2017	41	12.97	87.11	6.1	33.37	8.0	25.1	0.97
F34	03 Feb 2017	42	12.91	87.47	6.0	33.37	8.0	25.1	0.86
F34	03 Feb 2017	43	12.93	87.63	6.0	33.37	8.0	25.1	0.77
F34	03 Feb 2017	44	12.83	87.76	6.0	33.37	8.0	25.2	0.73
F34	03 Feb 2017	45	12.79	88.01	5.9	33.37	8.0	25.2	0.70
F34	03 Feb 2017	46	12.62	88.07	5.8	33.40	8.0	25.2	0.69
F34	03 Feb 2017	47	12.41	86.83	5.7	33.40	7.9	25.3	0.68
F34	03 Feb 2017	48	12.30	86.04	5.5	33.40	7.9	25.3	0.60
F34	03 Feb 2017	49	12.25	84.06	5.4	33.41	7.9	25.3	0.54
F34	03 Feb 2017	50	12.24	81.74	5.3	33.41	7.9	25.3	0.48
F34	03 Feb 2017	51	12.24	80.59	5.3	33.41	7.9	25.3	0.46
F34	03 Feb 2017	52	12.23	80.37	5.3	33.41	7.9	25.3	0.46
F34	03 Feb 2017	53	12.22	79.98	5.3	33.41	7.9	25.3	0.45
F34	03 Feb 2017	54	12.22	80.13	5.3	33.41	7.9	25.3	0.44
F34	03 Feb 2017	55	12.19	80.09	5.3	33.41	7.9	25.3	0.60
F34	03 Feb 2017	56	12.19	79.61	5.3	33.41	7.9	25.3	0.51
F34	03 Feb 2017	57	12.18	79.42	5.3	33.41	7.9	25.3	0.48
F34	03 Feb 2017	58	12.18	79.34	5.3	33.41	7.9	25.3	0.43
F34	03 Feb 2017	59	12.18	79.06	5.3	33.41	7.9	25.3	0.44
F34	03 Feb 2017	60	12.18	79.00	5.3	33.41	7.9	25.3	0.43
F34	03 Feb 2017	61	12.18	78.41	5.2	33.41	7.9	25.3	0.43
F34	03 Feb 2017	62	12.12	77.33	5.2	33.43	7.9	25.3	0.41
F34	03 Feb 2017	63	12.02	74.52	5.1	33.45	7.9	25.4	0.42
F34	03 Feb 2017	64	11.98	73.32	5.1	33.44	7.9	25.4	0.39
F34	03 Feb 2017	65	11.97	72.72	5.0	33.44	7.9	25.4	0.37
F34	03 Feb 2017	66	11.97	72.86	5.0	33.44	7.9	25.4	0.36
F34	03 Feb 2017	67	11.98	73.38	5.1	33.44	7.9	25.4	0.36
F34	03 Feb 2017	68	11.95	73.38	5.0	33.44	7.9	25.4	0.35
F34	03 Feb 2017	69	11.92	73.88	5.0	33.45	7.9	25.4	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F34	03 Feb 2017	70	11.84	75.38	5.0	33.46	7.9	25.4	0.35
F34	03 Feb 2017	71	11.81	75.09	5.0	33.46	7.9	25.4	0.33
F34	03 Feb 2017	72	11.77	74.78	5.0	33.47	7.9	25.4	0.32
F34	03 Feb 2017	73	11.69	75.77	4.9	33.47	7.9	25.5	0.31
F34	03 Feb 2017	74	11.62	76.24	4.9	33.48	7.9	25.5	0.30
F34	03 Feb 2017	75	11.49	76.57	4.8	33.51	7.8	25.5	0.28
F34	03 Feb 2017	76	11.29	73.80	4.7	33.53	7.8	25.6	0.25
F34	03 Feb 2017	77	11.12	74.31	4.6	33.55	7.8	25.6	0.24
F34	03 Feb 2017	78	10.95	75.33	4.5	33.58	7.8	25.7	0.22
F34	03 Feb 2017	79	10.80	75.58	4.4	33.60	7.8	25.7	0.19
F34	03 Feb 2017	80	10.74	77.00	4.4	33.60	7.8	25.7	0.18
F34	03 Feb 2017	81	10.68	77.97	4.4	33.62	7.8	25.8	0.16
F34	03 Feb 2017	82	10.56	76.56	4.3	33.65	7.8	25.8	0.16
F34	03 Feb 2017	83	10.37	76.64	4.2	33.69	7.8	25.9	0.14
F34	03 Feb 2017	84	10.23	79.45	4.1	33.70	7.8	25.9	0.13
F34	03 Feb 2017	85	10.17	80.80	4.1	33.71	7.8	25.9	0.12
F34	03 Feb 2017	86	10.17	80.64	4.0	33.72	7.8	25.9	0.12
F34	03 Feb 2017	87	10.14	78.09	4.0	33.74	7.8	25.9	0.11
F34	03 Feb 2017	88	10.08	75.93	4.0	33.75	7.8	26.0	0.11
F34	03 Feb 2017	89	10.00	77.84	4.0	33.78	7.8	26.0	0.11
F34	03 Feb 2017	90	9.87	79.96	3.9	33.81	7.8	26.0	0.10
F34	03 Feb 2017	91	9.85	81.05	3.9	33.81	7.8	26.1	0.09
F34	03 Feb 2017	92	9.83	77.95	3.8	33.84	7.8	26.1	0.10
F34	03 Feb 2017	93	9.79	74.58	3.8	33.85	7.8	26.1	0.10
F34	03 Feb 2017	94	9.75	75.34	3.8	33.86	7.8	26.1	0.10
F34	03 Feb 2017	95	9.73	77.98	3.7	33.87	7.8	26.1	0.10
F34	03 Feb 2017	96	9.72	79.01	3.7	33.88	7.8	26.1	0.09
F34	03 Feb 2017	97	9.72	78.87	3.7	33.88	7.7	26.1	0.09
F34	03 Feb 2017	98	9.70	78.06	3.6	33.90	7.7	26.1	0.09
F34	03 Feb 2017	99	9.69	73.11	3.6	33.90	7.7	26.1	0.10
F34	03 Feb 2017	100	9.70	67.37	3.6	33.90	7.7	26.1	0.10
F35	03 Feb 2017	1	14.85	87.93	8.1	33.25	8.1	24.7	0.70
F35	03 Feb 2017	2	14.85	87.90	8.1	33.26	8.1	24.7	0.74
F35	03 Feb 2017	3	14.87	87.91	8.1	33.26	8.1	24.7	0.76
F35	03 Feb 2017	4	14.90	88.36	8.1	33.28	8.1	24.7	0.78
F35	03 Feb 2017	5	14.92	89.34	8.1	33.31	8.1	24.7	0.77
F35	03 Feb 2017	6	14.90	90.06	8.1	33.33	8.1	24.7	0.66
F35	03 Feb 2017	7	14.88	90.33	8.0	33.34	8.1	24.7	0.63
F35	03 Feb 2017	8	14.83	90.47	8.1	33.34	8.1	24.7	0.62
F35	03 Feb 2017	9	14.79	90.53	8.1	33.33	8.1	24.7	0.62
F35	03 Feb 2017	10	14.76	90.72	8.0	33.33	8.1	24.7	0.62
F35	03 Feb 2017	11	14.76	90.74	8.0	33.33	8.1	24.7	0.62
F35	03 Feb 2017	12	14.74	90.64	8.0	33.33	8.1	24.7	0.65
F35	03 Feb 2017	13	14.71	90.72	8.0	33.33	8.1	24.7	0.68
F35	03 Feb 2017	14	14.67	90.71	8.0	33.33	8.1	24.8	0.75
F35	03 Feb 2017	15	14.64	90.60	8.1	33.33	8.1	24.8	0.77
F35	03 Feb 2017	16	14.62	90.83	8.1	33.33	8.1	24.8	0.77
F35	03 Feb 2017	17	14.60	90.64	8.1	33.33	8.1	24.8	0.80
F35	03 Feb 2017	18	14.57	90.58	8.0	33.33	8.1	24.8	0.82
F35	03 Feb 2017	19	14.55	90.59	8.0	33.33	8.1	24.8	0.84
F35	03 Feb 2017	20	14.54	90.56	8.0	33.33	8.1	24.8	0.90
F35	03 Feb 2017	21	14.52	90.64	7.9	33.33	8.1	24.8	0.98
F35	03 Feb 2017	22	14.47	90.60	7.8	33.33	8.1	24.8	0.89
F35	03 Feb 2017	23	14.43	90.46	7.8	33.33	8.1	24.8	0.91

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F35	03 Feb 2017	24	14.38	90.60	7.8	33.33	8.1	24.8	0.89
F35	03 Feb 2017	25	14.37	90.63	7.8	33.33	8.1	24.8	0.96
F35	03 Feb 2017	26	14.33	90.59	7.8	33.33	8.1	24.8	0.95
F35	03 Feb 2017	27	14.31	90.51	7.7	33.33	8.1	24.8	0.99
F35	03 Feb 2017	28	14.25	90.38	7.6	33.33	8.1	24.8	1.21
F35	03 Feb 2017	29	14.11	89.80	7.4	33.34	8.1	24.9	1.06
F35	03 Feb 2017	30	13.99	88.64	7.2	33.34	8.1	24.9	1.11
F35	03 Feb 2017	31	13.90	86.97	7.1	33.34	8.1	24.9	1.35
F35	03 Feb 2017	32	13.87	85.79	7.0	33.33	8.1	24.9	1.80
F35	03 Feb 2017	33	13.82	84.99	6.9	33.33	8.1	24.9	2.45
F35	03 Feb 2017	34	13.78	84.24	6.8	33.33	8.0	24.9	3.25
F35	03 Feb 2017	35	13.76	83.69	6.8	33.33	8.0	24.9	3.31
F35	03 Feb 2017	36	13.73	83.29	6.8	33.33	8.0	25.0	3.39
F35	03 Feb 2017	37	13.69	83.22	6.7	33.33	8.0	25.0	3.18
F35	03 Feb 2017	38	13.62	83.51	6.6	33.34	8.0	25.0	3.01
F35	03 Feb 2017	39	13.52	83.92	6.6	33.34	8.0	25.0	2.74
F35	03 Feb 2017	40	13.50	84.81	6.5	33.34	8.0	25.0	2.55
F35	03 Feb 2017	41	13.41	84.72	6.4	33.35	8.0	25.0	2.42
F35	03 Feb 2017	42	13.39	84.81	6.4	33.35	8.0	25.0	2.27
F35	03 Feb 2017	43	13.20	85.05	6.3	33.38	8.0	25.1	2.34
F35	03 Feb 2017	44	13.04	85.70	6.2	33.37	8.0	25.1	1.96
F35	03 Feb 2017	45	12.94	86.18	6.1	33.37	8.0	25.1	1.56
F35	03 Feb 2017	46	12.92	86.31	6.0	33.36	8.0	25.1	1.35
F35	03 Feb 2017	47	12.89	86.33	6.0	33.37	8.0	25.2	1.26
F35	03 Feb 2017	48	12.83	86.27	6.0	33.37	8.0	25.2	1.22
F35	03 Feb 2017	49	12.78	86.15	6.0	33.37	8.0	25.2	1.20
F35	03 Feb 2017	50	12.72	86.27	5.9	33.38	8.0	25.2	1.15
F35	03 Feb 2017	51	12.69	86.21	5.9	33.37	8.0	25.2	1.15
F35	03 Feb 2017	52	12.64	86.40	5.9	33.38	8.0	25.2	1.12
F35	03 Feb 2017	53	12.56	86.44	5.8	33.38	7.9	25.2	1.14
F35	03 Feb 2017	54	12.45	86.58	5.7	33.39	7.9	25.3	1.15
F35	03 Feb 2017	55	12.36	86.52	5.6	33.40	7.9	25.3	0.97
F35	03 Feb 2017	56	12.09	86.45	5.5	33.43	7.9	25.4	0.81
F35	03 Feb 2017	57	11.97	84.80	5.3	33.42	7.9	25.4	0.65
F35	03 Feb 2017	58	11.95	84.02	5.3	33.42	7.9	25.4	0.55
F35	03 Feb 2017	59	11.93	83.05	5.2	33.42	7.9	25.4	0.51
F35	03 Feb 2017	60	11.89	82.56	5.2	33.43	7.9	25.4	0.47
F35	03 Feb 2017	61	11.84	82.65	5.2	33.43	7.9	25.4	0.44
F35	03 Feb 2017	62	11.78	82.90	5.1	33.44	7.9	25.4	0.43
F35	03 Feb 2017	63	11.66	82.55	5.1	33.46	7.9	25.5	0.38
F35	03 Feb 2017	64	11.61	81.74	5.0	33.46	7.9	25.5	0.34
F35	03 Feb 2017	65	11.59	80.98	5.0	33.46	7.9	25.5	0.32
F35	03 Feb 2017	66	11.61	80.30	5.0	33.46	7.9	25.5	0.31
F35	03 Feb 2017	67	11.53	79.86	4.9	33.47	7.9	25.5	0.31
F35	03 Feb 2017	68	11.50	79.03	4.9	33.48	7.8	25.5	0.30
F35	03 Feb 2017	69	11.47	78.22	4.9	33.49	7.8	25.5	0.29
F35	03 Feb 2017	70	11.43	77.34	4.8	33.49	7.8	25.5	0.28
F35	03 Feb 2017	71	11.38	76.98	4.8	33.50	7.8	25.5	0.28
F35	03 Feb 2017	72	11.32	76.39	4.7	33.51	7.8	25.6	0.26
F35	03 Feb 2017	73	11.28	75.59	4.7	33.52	7.8	25.6	0.26
F35	03 Feb 2017	74	11.30	72.81	4.6	33.52	7.8	25.6	0.24
F35	03 Feb 2017	75	11.25	70.89	4.6	33.54	7.8	25.6	0.23
F35	03 Feb 2017	76	11.22	70.69	4.5	33.54	7.8	25.6	0.23
F35	03 Feb 2017	77	11.14	70.36	4.5	33.56	7.8	25.6	0.22
F35	03 Feb 2017	78	11.03	69.96	4.4	33.58	7.8	25.7	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F35	03 Feb 2017	79	10.93	69.80	4.4	33.59	7.8	25.7	0.21
F35	03 Feb 2017	80	10.89	70.58	4.4	33.59	7.8	25.7	0.20
F35	03 Feb 2017	81	10.81	71.35	4.3	33.62	7.8	25.7	0.19
F35	03 Feb 2017	82	10.69	71.71	4.3	33.63	7.8	25.8	0.18
F35	03 Feb 2017	83	10.63	72.42	4.2	33.65	7.8	25.8	0.18
F35	03 Feb 2017	84	10.37	72.63	4.2	33.72	7.8	25.9	0.17
F35	03 Feb 2017	85	10.25	72.74	4.0	33.73	7.8	25.9	0.15
F35	03 Feb 2017	86	10.20	71.84	4.0	33.75	7.8	25.9	0.14
F35	03 Feb 2017	87	10.09	70.06	3.9	33.79	7.8	26.0	0.14
F35	03 Feb 2017	88	10.02	67.27	3.9	33.81	7.8	26.0	0.14
F35	03 Feb 2017	89	9.97	66.06	3.8	33.82	7.8	26.0	0.15
F35	03 Feb 2017	90	9.91	66.78	3.8	33.84	7.8	26.1	0.14
F35	03 Feb 2017	91	9.88	68.98	3.8	33.84	7.8	26.1	0.13
F35	03 Feb 2017	92	9.87	70.87	3.8	33.84	7.8	26.1	0.12
F35	03 Feb 2017	93	9.87	69.10	3.7	33.85	7.8	26.1	0.12
F35	03 Feb 2017	94	9.87	67.64	3.7	33.85	7.8	26.1	0.11
F35	03 Feb 2017	95	9.87	67.18	3.7	33.85	7.8	26.1	0.11
F35	03 Feb 2017	96	9.87	67.39	3.7	33.85	7.8	26.1	0.12
F35	03 Feb 2017	97	9.85	65.66	3.7	33.86	7.8	26.1	0.12
F35	03 Feb 2017	98	9.82	58.77	3.6	33.88	7.7	26.1	0.12
F35	03 Feb 2017	99	9.81	49.47	3.6	33.88	7.7	26.1	0.12
F36	03 Feb 2017	1	14.91	89.07	8.1	33.25	8.1	24.6	0.42
F36	03 Feb 2017	2	14.90	89.18	8.1	33.25	8.1	24.6	0.44
F36	03 Feb 2017	3	14.90	89.62	8.1	33.25	8.1	24.6	0.44
F36	03 Feb 2017	4	14.94	89.89	8.1	33.26	8.1	24.6	0.46
F36	03 Feb 2017	5	14.98	90.03	8.1	33.29	8.1	24.7	0.55
F36	03 Feb 2017	6	14.99	90.28	8.0	33.34	8.1	24.7	0.71
F36	03 Feb 2017	7	14.96	90.31	8.0	33.35	8.1	24.7	0.84
F36	03 Feb 2017	8	14.94	90.38	8.0	33.35	8.1	24.7	0.96
F36	03 Feb 2017	9	14.92	90.52	8.0	33.35	8.1	24.7	1.08
F36	03 Feb 2017	10	14.89	90.53	7.9	33.35	8.1	24.7	1.07
F36	03 Feb 2017	11	14.87	90.50	7.9	33.35	8.1	24.7	1.12
F36	03 Feb 2017	12	14.86	90.59	8.0	33.35	8.1	24.7	1.21
F36	03 Feb 2017	13	14.84	90.62	8.0	33.35	8.1	24.7	1.30
F36	03 Feb 2017	14	14.83	90.64	7.9	33.34	8.1	24.7	1.33
F36	03 Feb 2017	15	14.82	90.52	7.9	33.34	8.1	24.7	1.41
F36	03 Feb 2017	16	14.82	90.65	7.9	33.34	8.1	24.7	1.49
F36	03 Feb 2017	17	14.80	90.62	7.9	33.34	8.1	24.7	1.50
F36	03 Feb 2017	18	14.79	90.68	7.9	33.34	8.1	24.7	1.46
F36	03 Feb 2017	19	14.79	90.79	7.9	33.34	8.1	24.7	1.43
F36	03 Feb 2017	20	14.78	90.85	7.8	33.34	8.1	24.7	1.40
F36	03 Feb 2017	21	14.74	90.85	7.8	33.35	8.1	24.8	1.46
F36	03 Feb 2017	22	14.70	90.90	7.8	33.34	8.1	24.8	1.31
F36	03 Feb 2017	23	14.68	91.02	7.8	33.34	8.1	24.8	1.25
F36	03 Feb 2017	24	14.68	91.00	7.8	33.34	8.1	24.8	1.18
F36	03 Feb 2017	25	14.68	91.07	7.8	33.33	8.1	24.8	1.18
F36	03 Feb 2017	26	14.67	91.06	7.8	33.34	8.1	24.8	1.23
F36	03 Feb 2017	27	14.67	91.02	7.7	33.34	8.1	24.8	1.19
F36	03 Feb 2017	28	14.65	90.97	7.7	33.34	8.1	24.8	1.18
F36	03 Feb 2017	29	14.64	91.01	7.7	33.34	8.1	24.8	1.19
F36	03 Feb 2017	30	14.63	91.06	7.7	33.33	8.1	24.8	1.14
F36	03 Feb 2017	31	14.61	91.00	7.8	33.34	8.1	24.8	1.23
F36	03 Feb 2017	32	14.53	90.93	7.9	33.34	8.1	24.8	1.20
F36	03 Feb 2017	33	14.47	90.78	7.8	33.34	8.1	24.8	1.13

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	03 Feb 2017	34	14.31	89.14	7.6	33.34	8.1	24.8	1.15
F36	03 Feb 2017	35	14.22	91.03	7.6	33.33	8.1	24.9	1.07
F36	03 Feb 2017	36	14.20	91.08	7.4	33.33	8.1	24.9	0.93
F36	03 Feb 2017	37	13.50	91.14	6.8	33.41	8.0	25.1	0.91
F36	03 Feb 2017	38	13.11	91.28	6.4	33.35	8.0	25.1	0.86
F36	03 Feb 2017	39	13.00	91.34	6.3	33.34	8.0	25.1	0.82
F36	03 Feb 2017	40	12.92	91.33	6.2	33.33	8.0	25.1	0.79
F36	03 Feb 2017	41	12.77	91.13	6.2	33.35	8.0	25.2	0.81
F36	03 Feb 2017	42	12.70	91.05	6.2	33.34	8.0	25.2	0.71
F36	03 Feb 2017	43	12.61	91.43	6.2	33.35	8.0	25.2	0.68
F36	03 Feb 2017	44	12.57	91.37	6.1	33.34	8.0	25.2	0.68
F36	03 Feb 2017	45	12.55	91.47	6.1	33.34	8.0	25.2	0.65
F36	03 Feb 2017	46	12.45	91.46	6.1	33.35	8.0	25.2	0.63
F36	03 Feb 2017	47	12.42	91.37	6.0	33.34	8.0	25.2	0.60
F36	03 Feb 2017	48	12.40	91.18	6.0	33.35	8.0	25.2	0.62
F36	03 Feb 2017	49	12.35	91.14	6.0	33.35	8.0	25.2	0.63
F36	03 Feb 2017	50	12.27	91.26	5.9	33.36	7.9	25.3	0.60
F36	03 Feb 2017	51	12.18	91.31	5.9	33.37	7.9	25.3	0.59
F36	03 Feb 2017	52	12.09	91.24	5.9	33.37	7.9	25.3	0.55
F36	03 Feb 2017	53	12.03	90.77	5.8	33.38	7.9	25.3	0.53
F36	03 Feb 2017	54	11.93	90.81	5.8	33.38	7.9	25.3	0.49
F36	03 Feb 2017	55	11.92	90.01	5.7	33.39	7.9	25.4	0.48
F36	03 Feb 2017	56	11.89	88.62	5.6	33.40	7.9	25.4	0.43
F36	03 Feb 2017	57	11.87	88.03	5.5	33.40	7.9	25.4	0.42
F36	03 Feb 2017	58	11.85	87.79	5.5	33.41	7.9	25.4	0.40
F36	03 Feb 2017	59	11.84	87.33	5.4	33.41	7.9	25.4	0.35
F36	03 Feb 2017	60	11.76	85.55	5.3	33.44	7.9	25.4	0.36
F36	03 Feb 2017	61	11.57	84.25	5.3	33.45	7.9	25.5	0.33
F36	03 Feb 2017	62	11.50	85.00	5.3	33.44	7.9	25.5	0.31
F36	03 Feb 2017	63	11.46	86.06	5.4	33.44	7.9	25.5	0.32
F36	03 Feb 2017	64	11.38	87.16	5.4	33.45	7.9	25.5	0.31
F36	03 Feb 2017	65	11.30	88.53	5.4	33.45	7.9	25.5	0.28
F36	03 Feb 2017	66	11.20	89.98	5.3	33.46	7.9	25.5	0.28
F36	03 Feb 2017	67	11.13	90.21	5.3	33.48	7.9	25.6	0.27
F36	03 Feb 2017	68	10.99	89.53	5.1	33.53	7.9	25.6	0.25
F36	03 Feb 2017	69	10.93	87.81	5.0	33.54	7.8	25.6	0.23
F36	03 Feb 2017	70	10.90	86.83	5.0	33.54	7.8	25.7	0.20
F36	03 Feb 2017	71	10.88	85.78	4.9	33.54	7.8	25.7	0.19
F36	03 Feb 2017	72	10.87	84.99	4.9	33.54	7.8	25.7	0.18
F36	03 Feb 2017	73	10.84	84.64	4.9	33.55	7.8	25.7	0.18
F36	03 Feb 2017	74	10.81	83.83	4.8	33.56	7.8	25.7	0.19
F36	03 Feb 2017	75	10.71	82.38	4.8	33.59	7.8	25.7	0.18
F36	03 Feb 2017	76	10.64	81.44	4.7	33.60	7.8	25.8	0.16
F36	03 Feb 2017	77	10.66	80.64	4.7	33.60	7.8	25.7	0.14
F36	03 Feb 2017	78	10.61	80.03	4.6	33.61	7.8	25.8	0.16
F36	03 Feb 2017	79	10.56	79.20	4.6	33.63	7.8	25.8	0.14
F36	03 Feb 2017	80	10.47	78.41	4.5	33.66	7.8	25.8	0.15
F36	03 Feb 2017	81	10.42	77.88	4.4	33.67	7.8	25.8	0.15
F36	03 Feb 2017	82	10.36	77.43	4.4	33.69	7.8	25.9	0.14
F36	03 Feb 2017	83	10.32	77.22	4.3	33.70	7.8	25.9	0.12
F36	03 Feb 2017	84	10.28	77.70	4.2	33.72	7.8	25.9	0.11
F36	03 Feb 2017	85	10.21	78.57	4.2	33.74	7.8	25.9	0.13
F36	03 Feb 2017	86	10.15	80.48	4.1	33.76	7.8	26.0	0.11
F36	03 Feb 2017	87	10.12	81.40	4.0	33.77	7.8	26.0	0.07
F36	03 Feb 2017	88	10.09	80.92	4.0	33.78	7.8	26.0	0.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	03 Feb 2017	89	10.09	79.88	4.0	33.78	7.8	26.0	0.10
F36	03 Feb 2017	90	10.09	77.83	4.0	33.78	7.8	26.0	0.11
F36	03 Feb 2017	91	10.08	75.22	4.0	33.79	7.8	26.0	0.12
F36	03 Feb 2017	92	10.03	73.82	3.9	33.81	7.8	26.0	0.13
F36	03 Feb 2017	93	9.97	73.36	3.8	33.83	7.8	26.0	0.12
F36	03 Feb 2017	94	9.92	72.01	3.8	33.84	7.8	26.1	0.09
F36	03 Feb 2017	95	9.90	71.25	3.8	33.84	7.8	26.1	0.12
F36	03 Feb 2017	96	9.89	70.16	3.7	33.85	7.8	26.1	0.11
F36	03 Feb 2017	97	9.86	69.83	3.7	33.86	7.8	26.1	0.10
F36	03 Feb 2017	98	9.86	72.35	3.7	33.86	7.8	26.1	0.10
F36	03 Feb 2017	99	9.77	73.37	3.7	33.89	7.7	26.1	0.10

NA = not available

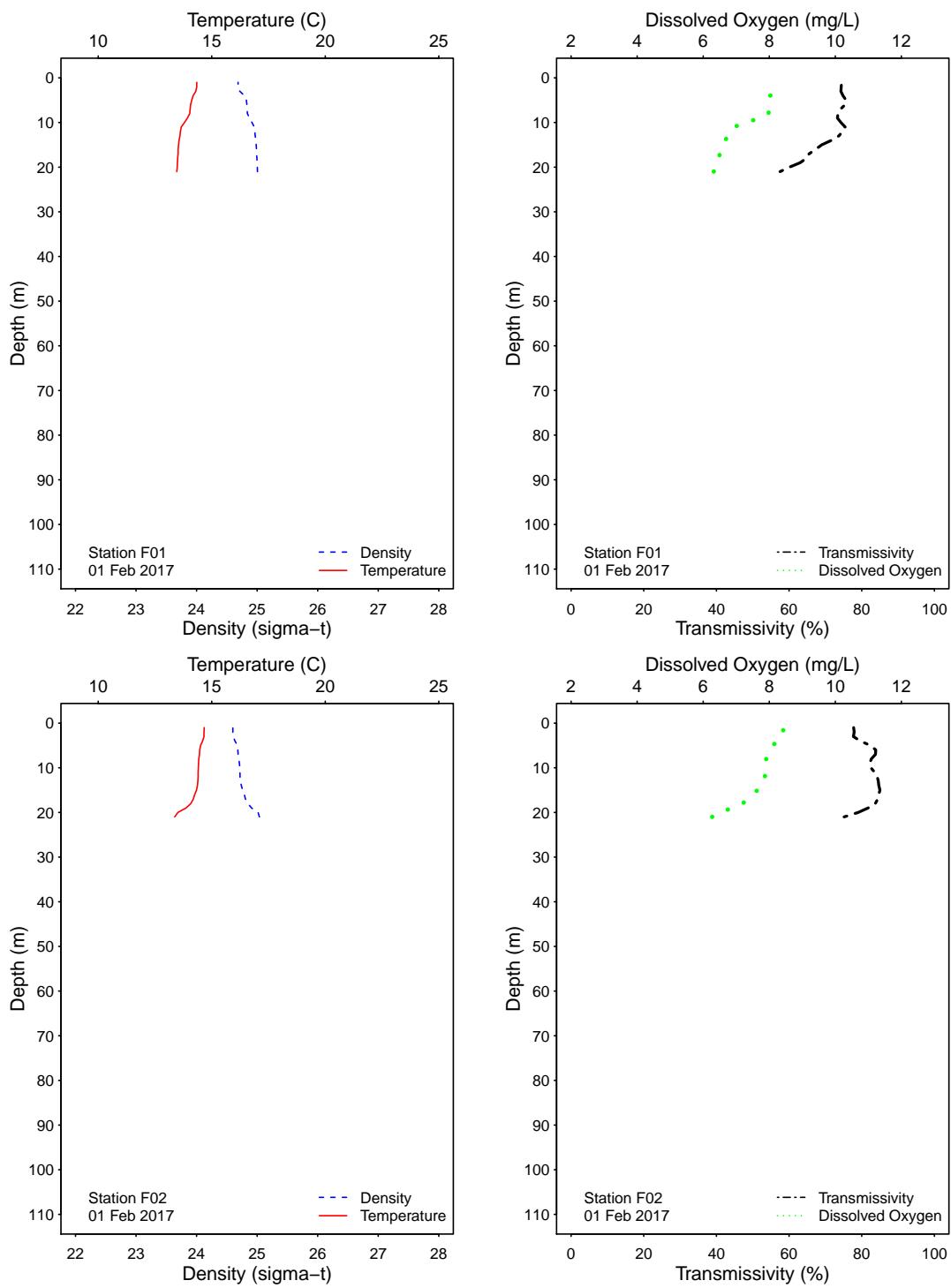


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

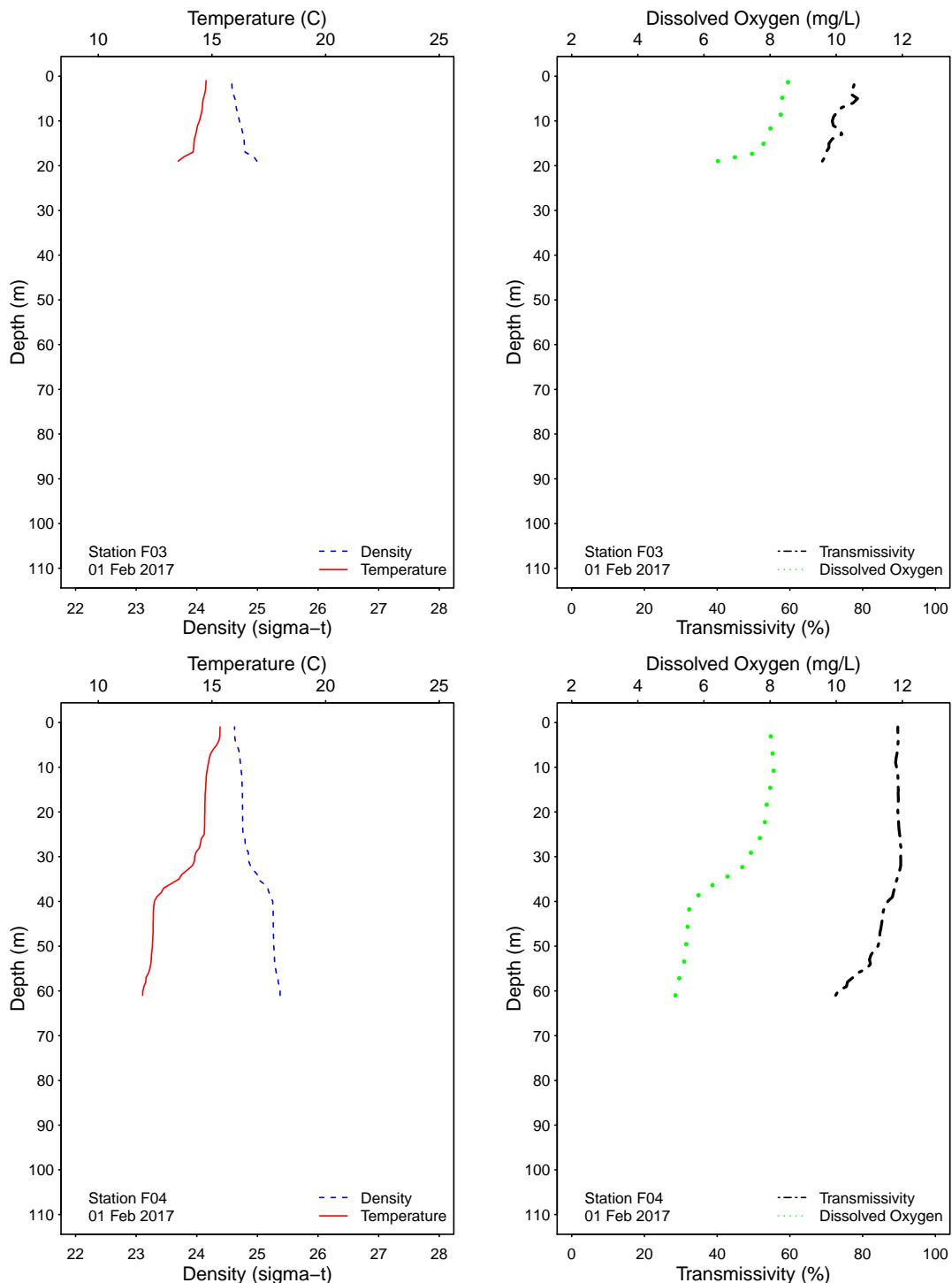


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

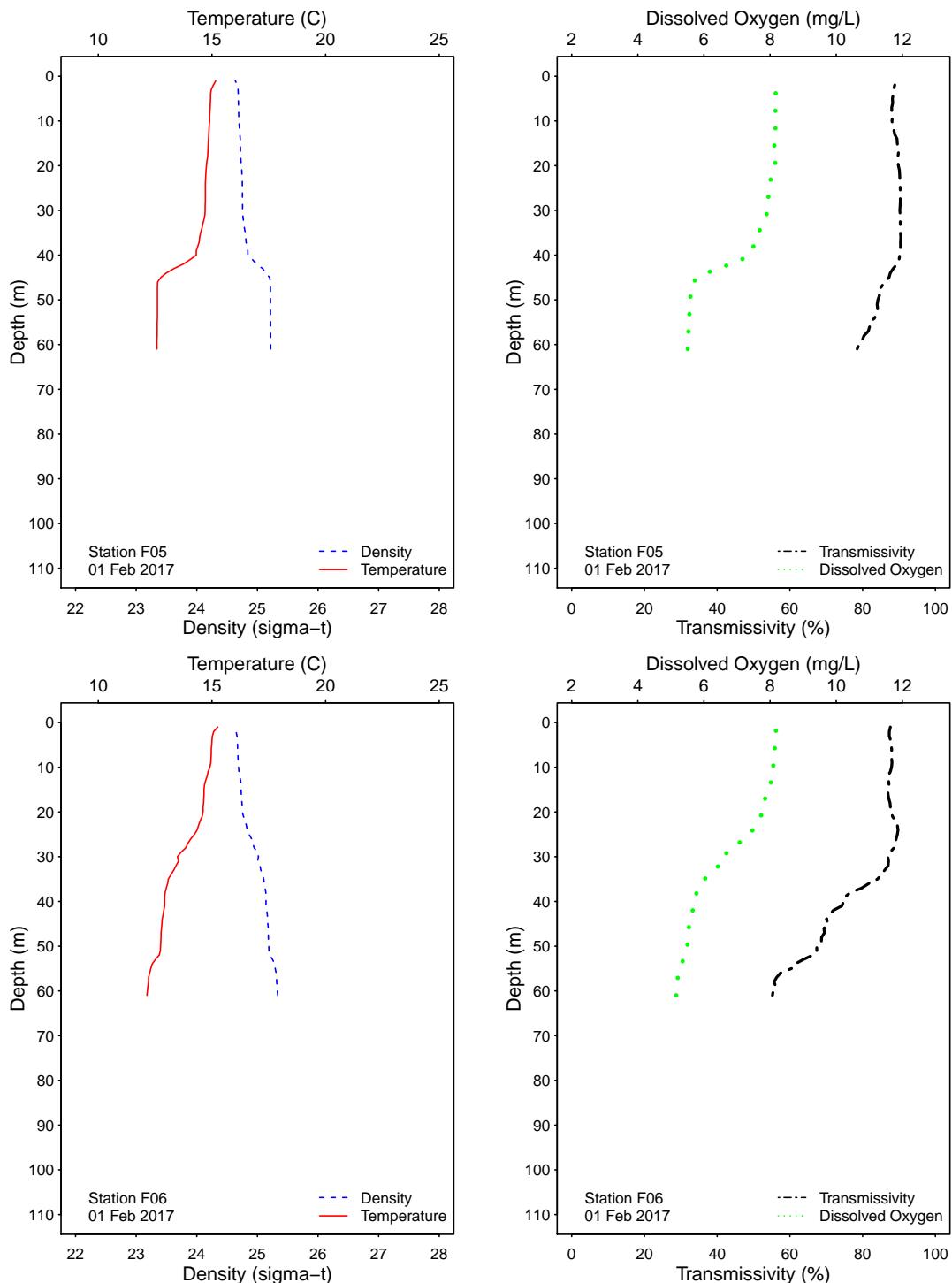


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

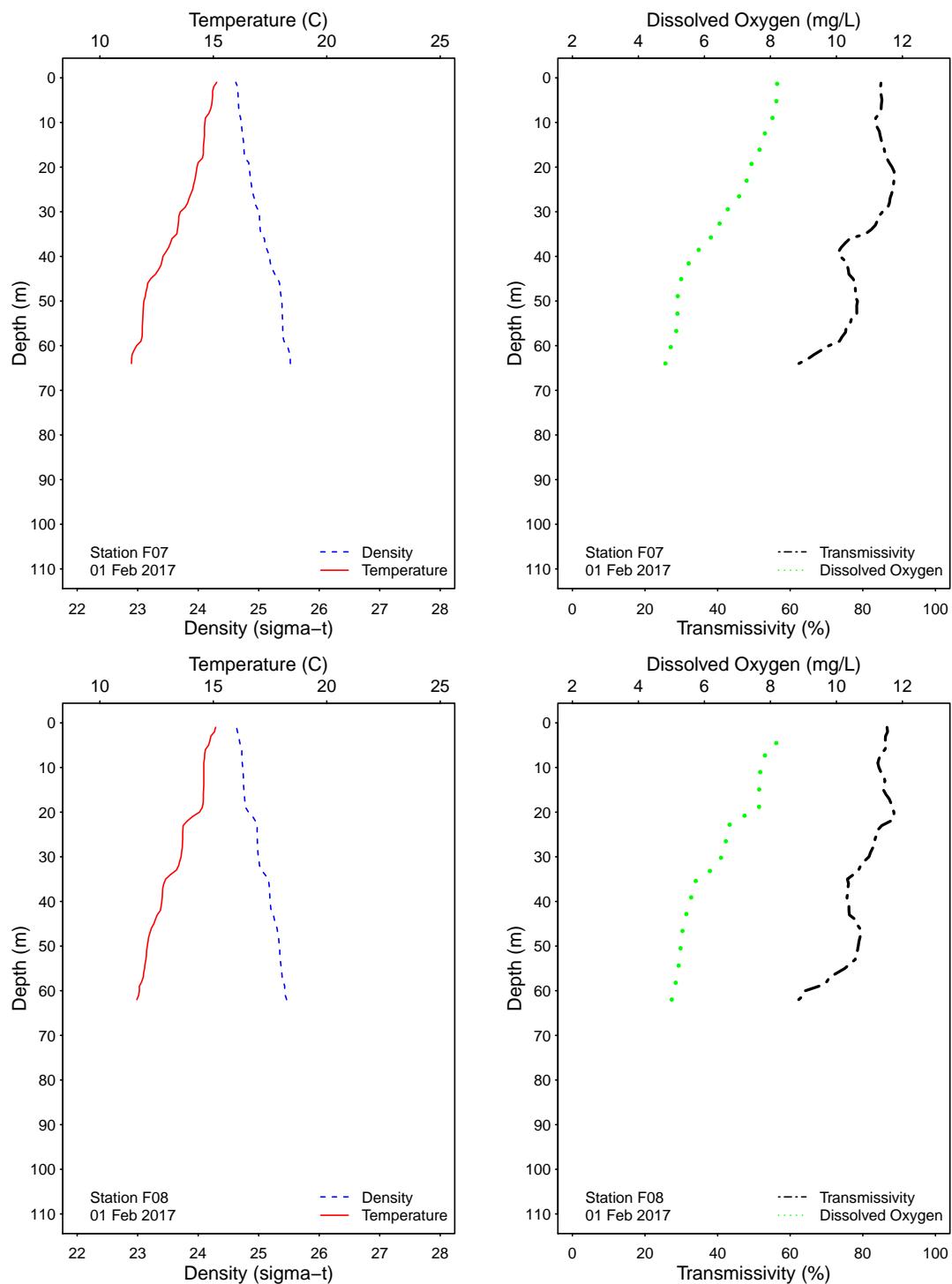


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

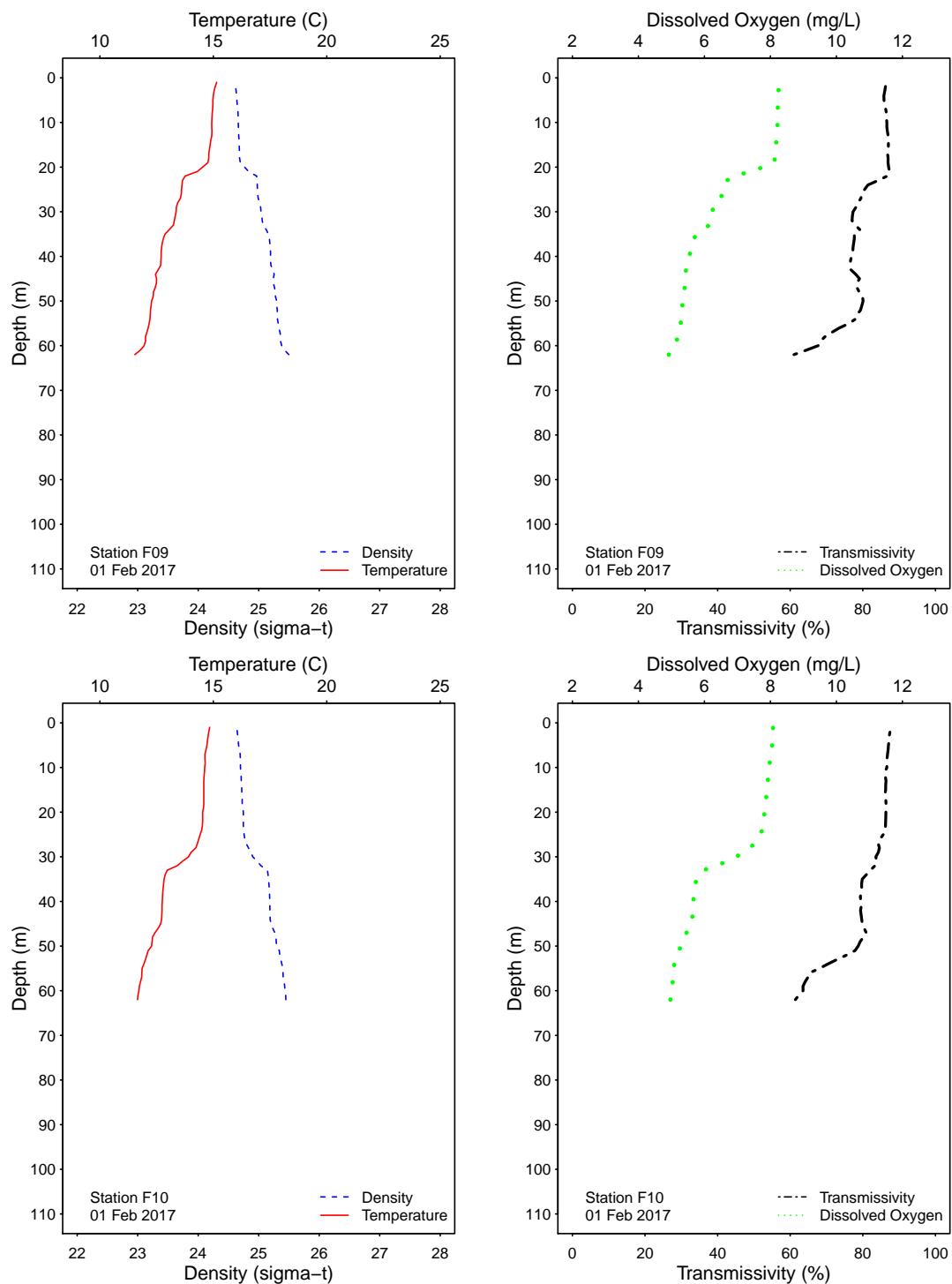


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

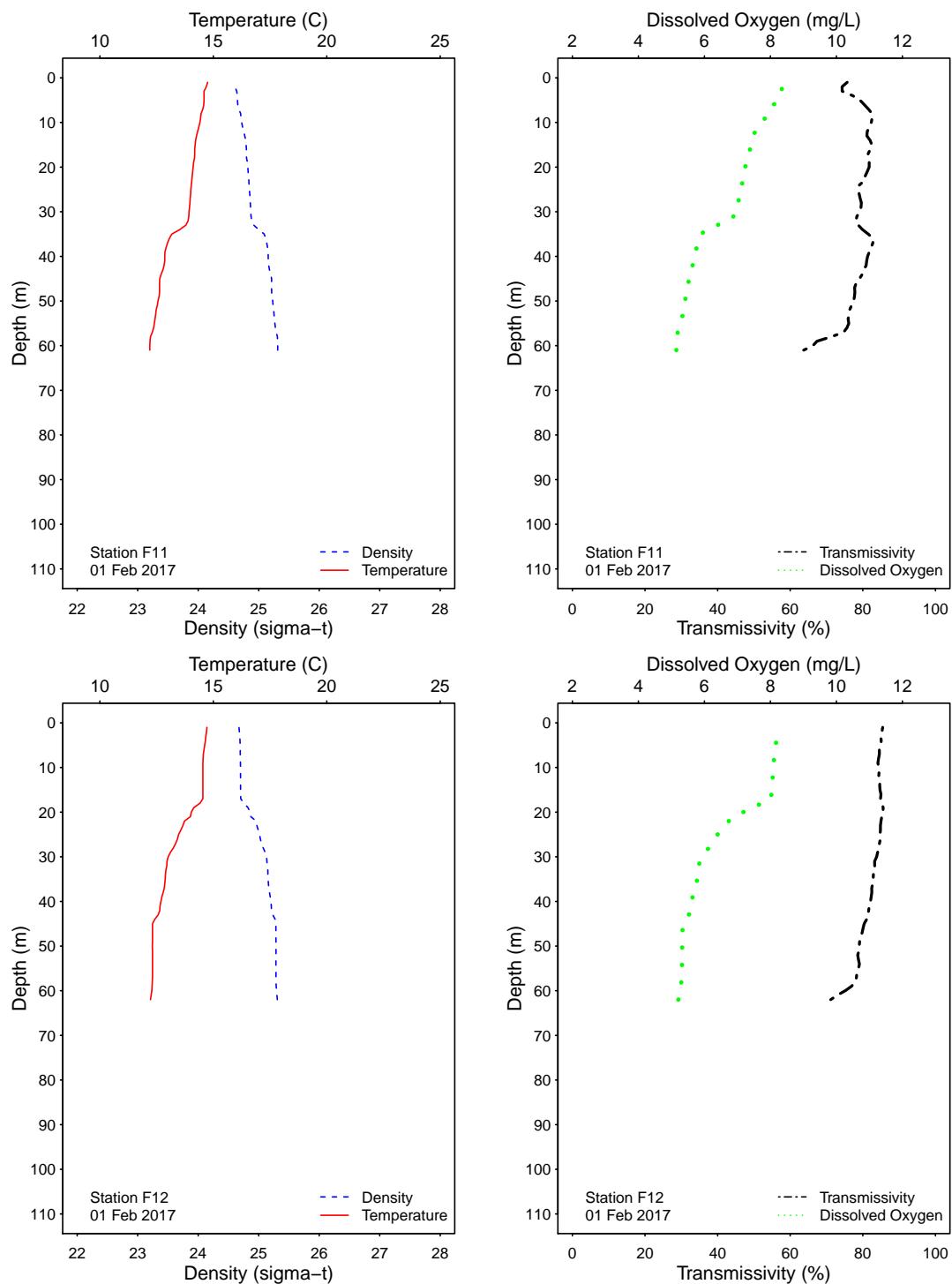


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

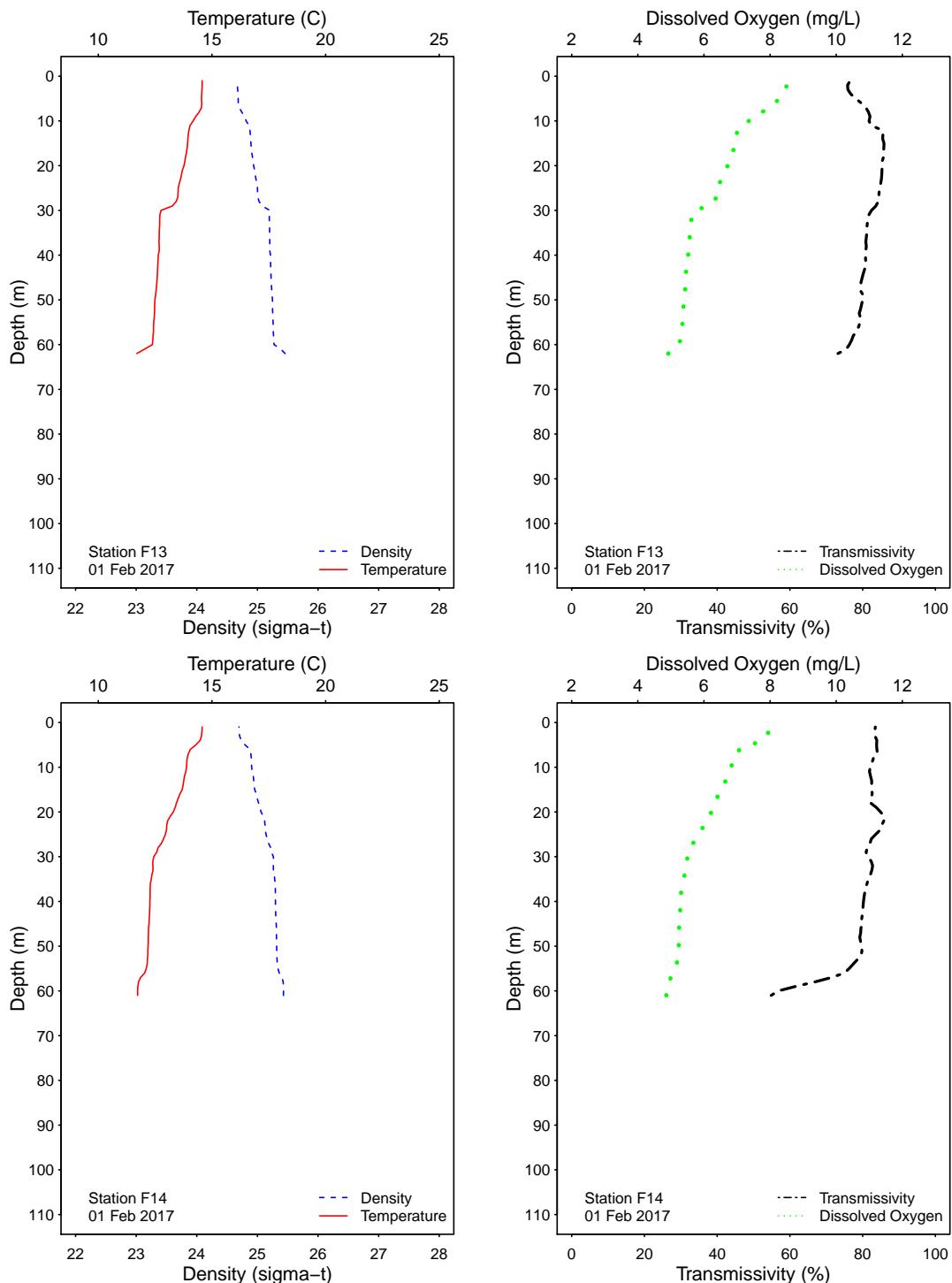


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

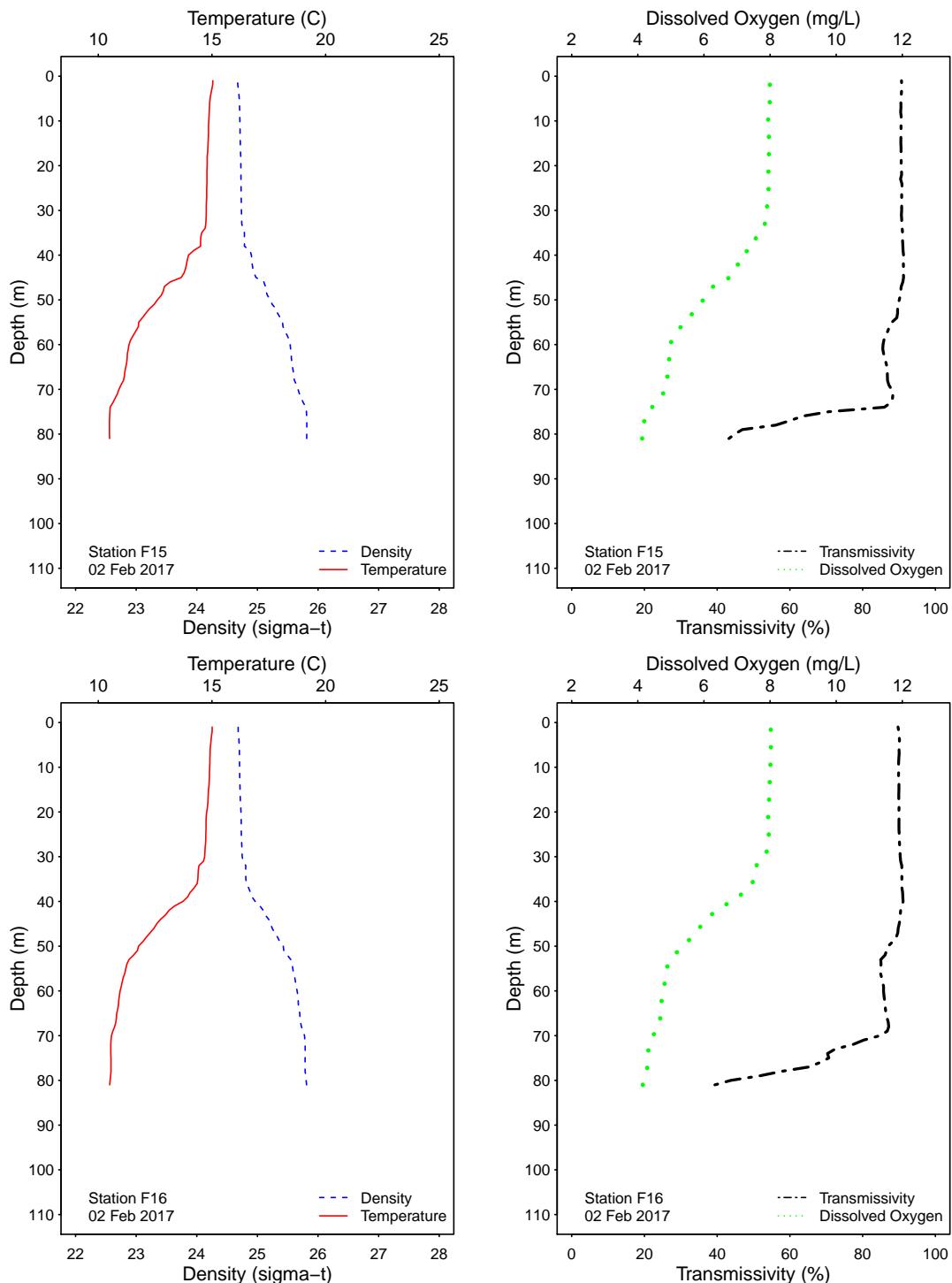


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

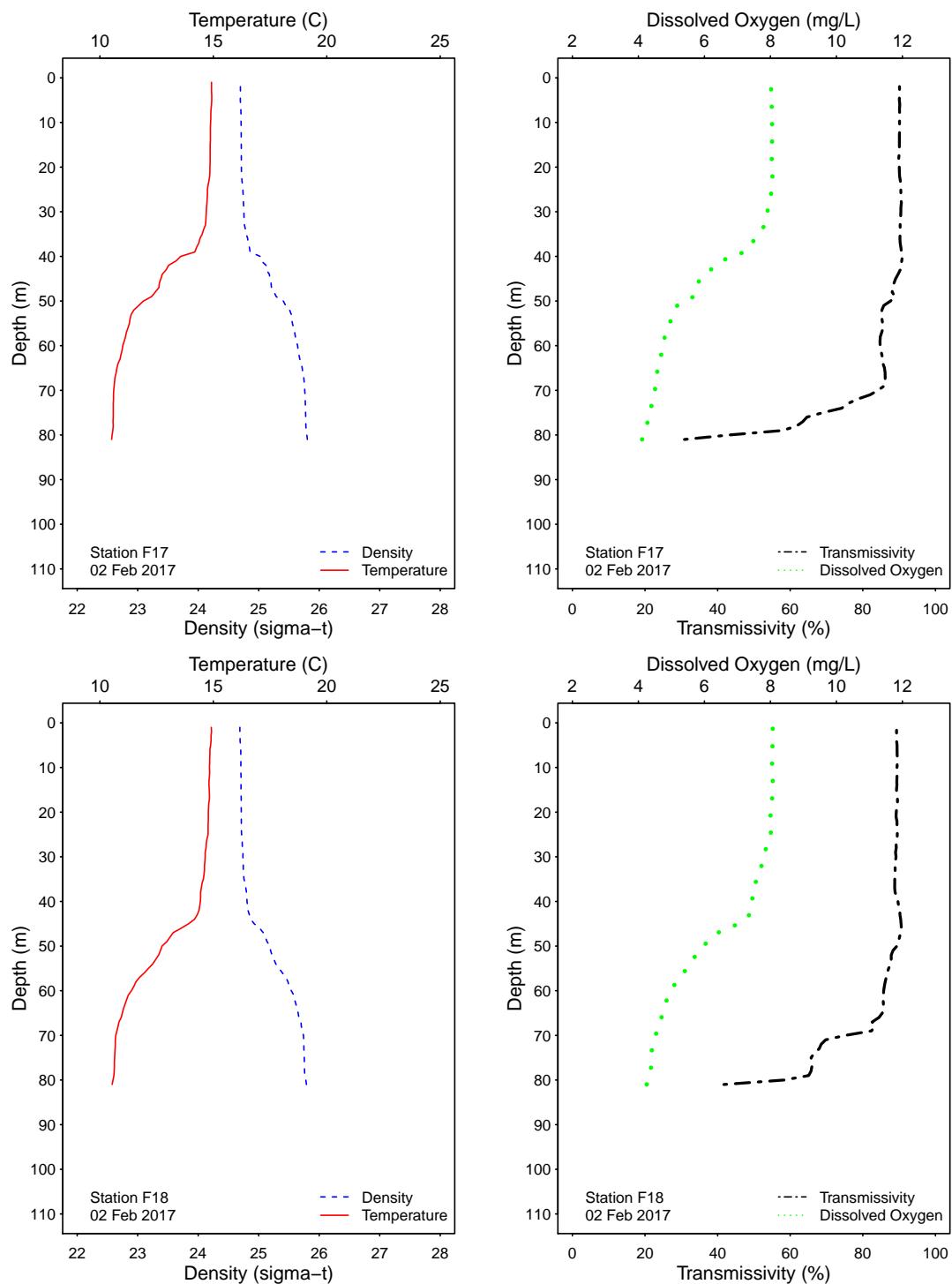


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

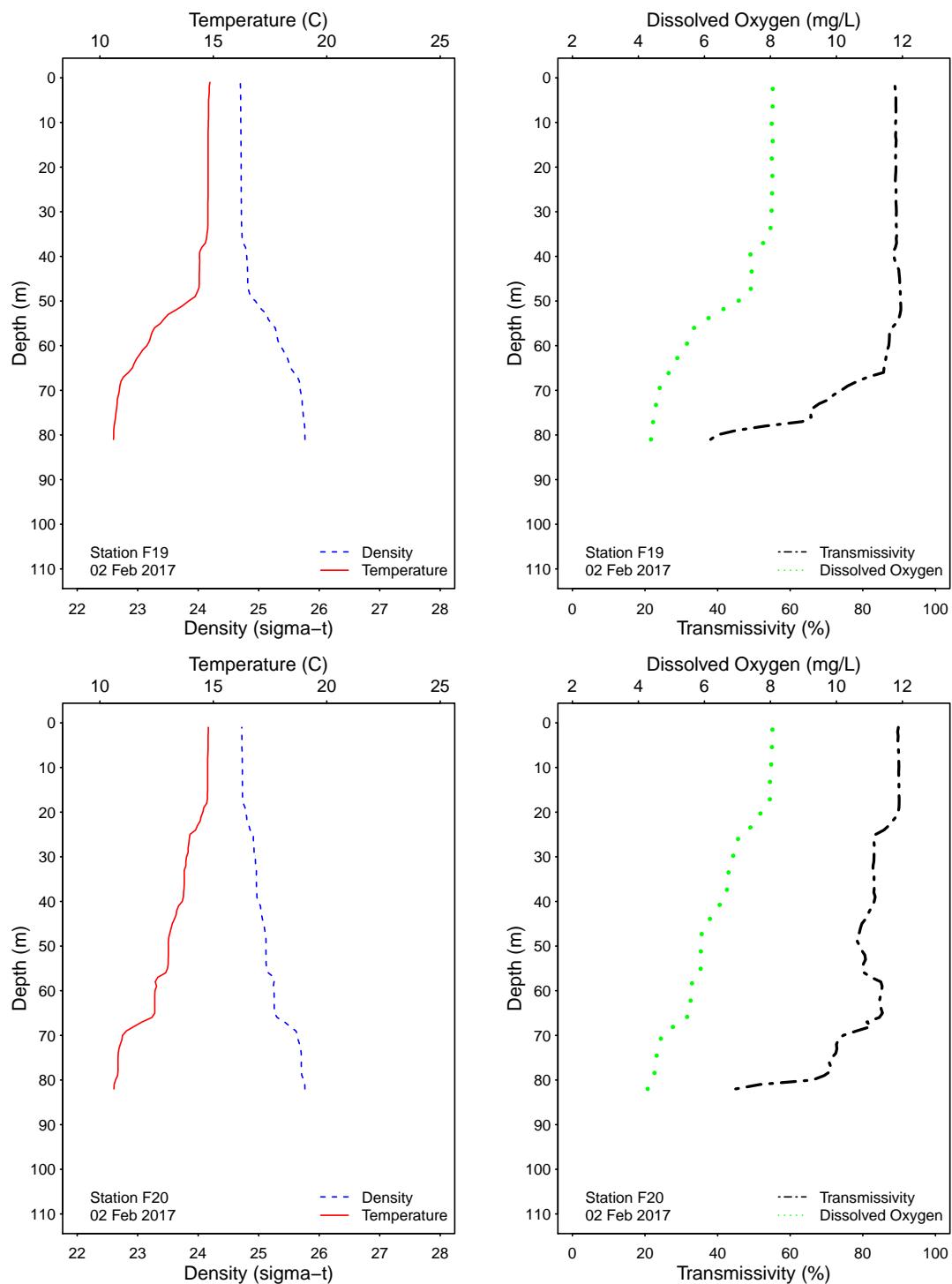


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

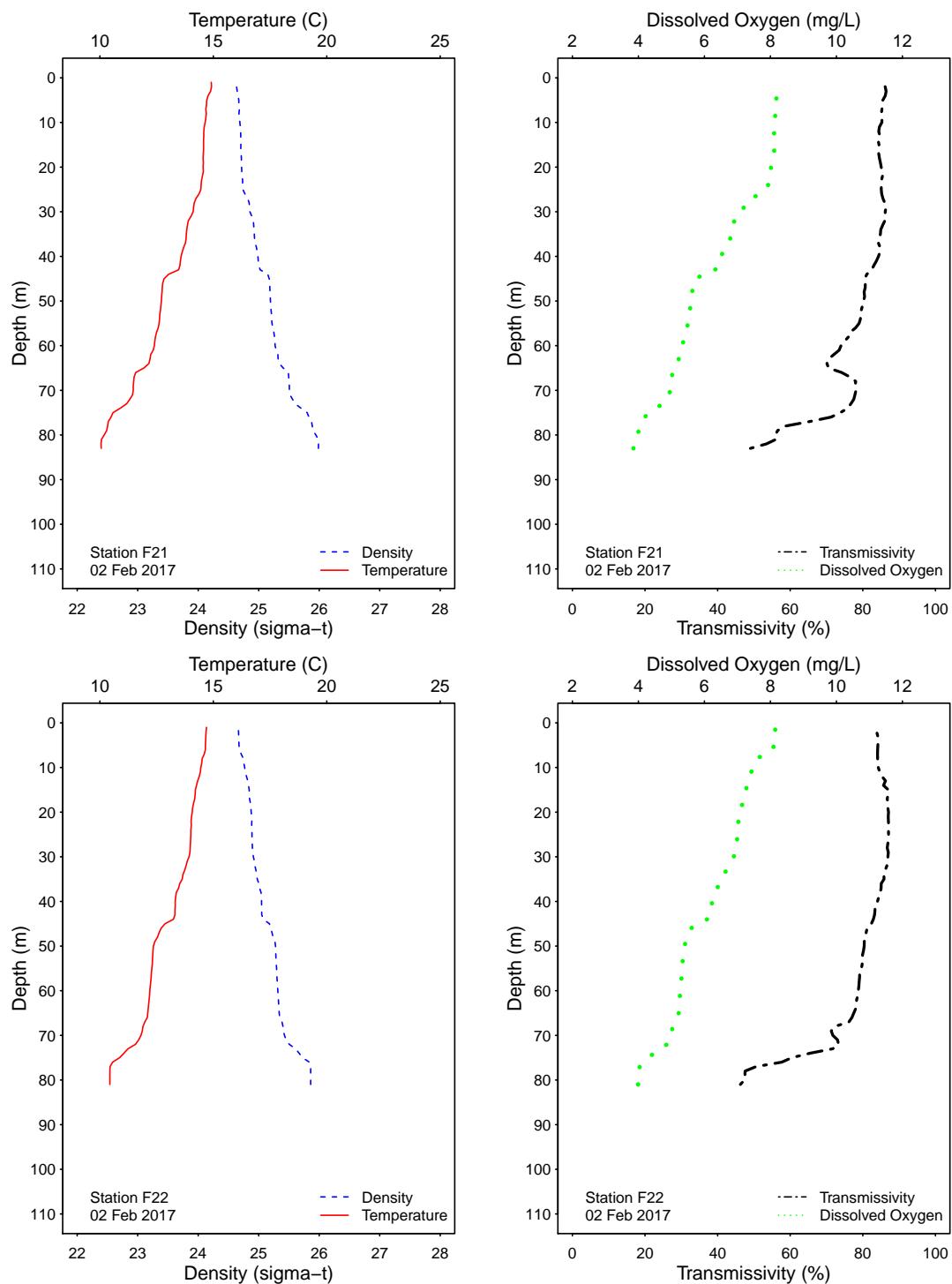


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

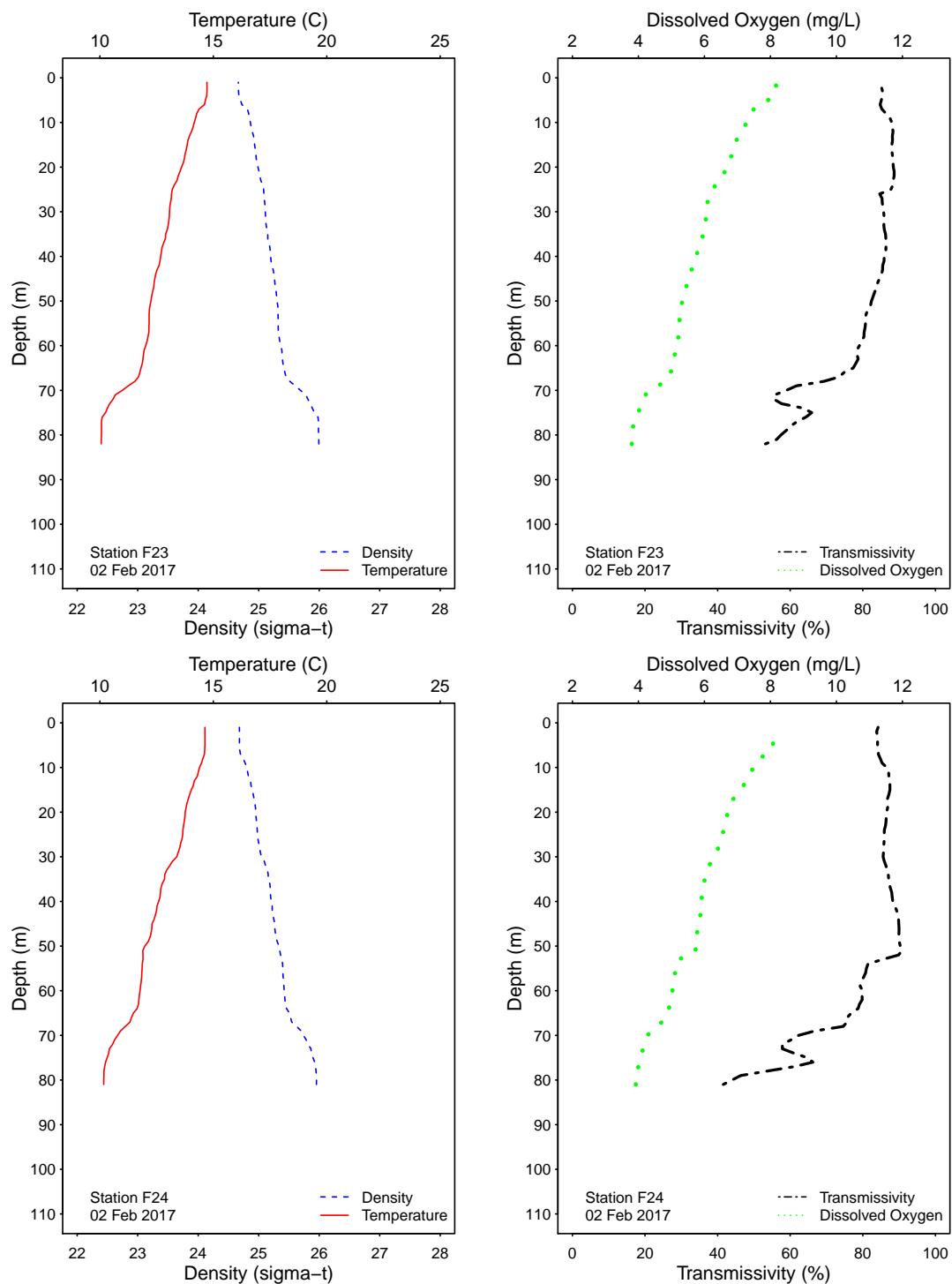


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

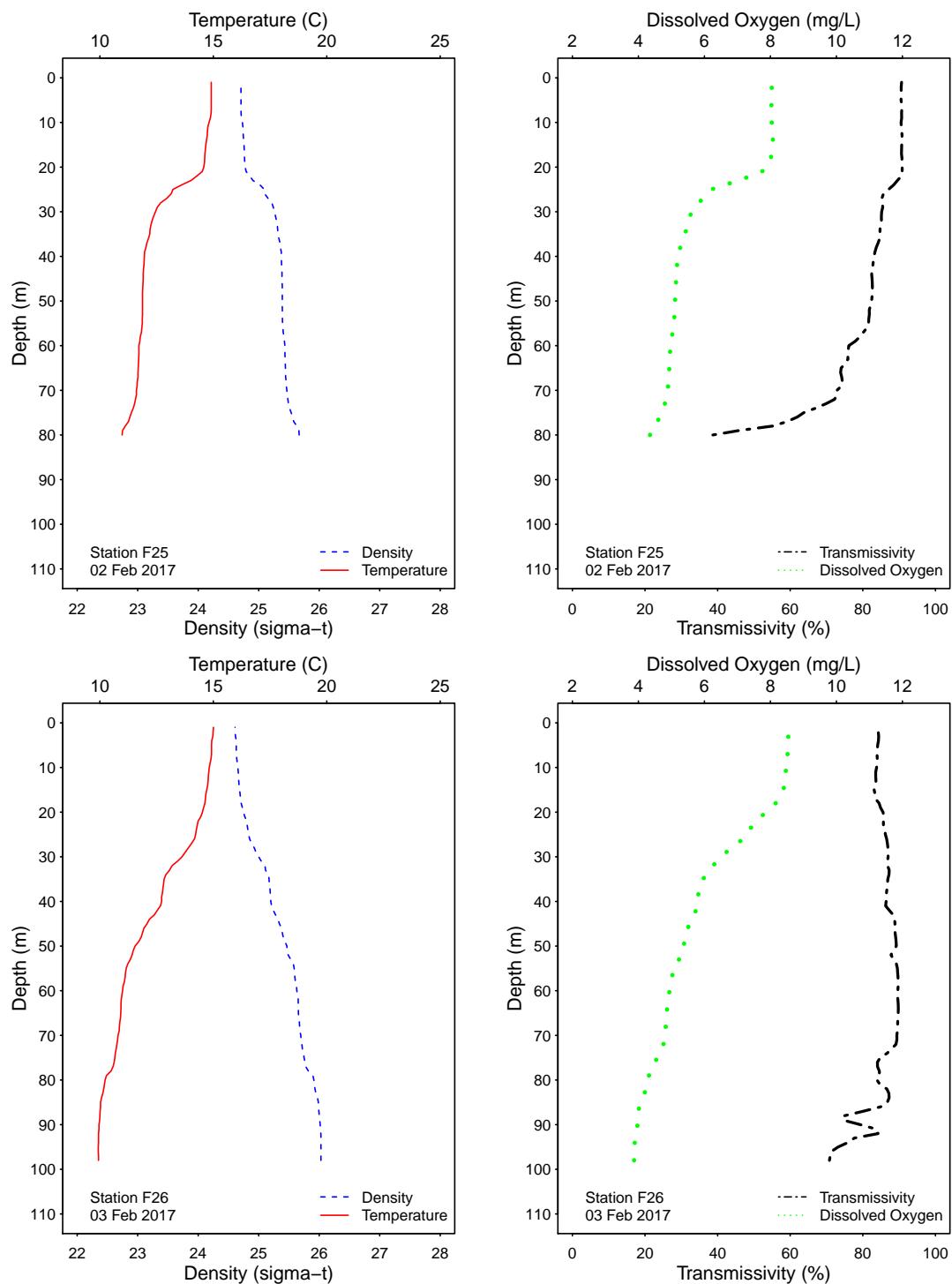


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

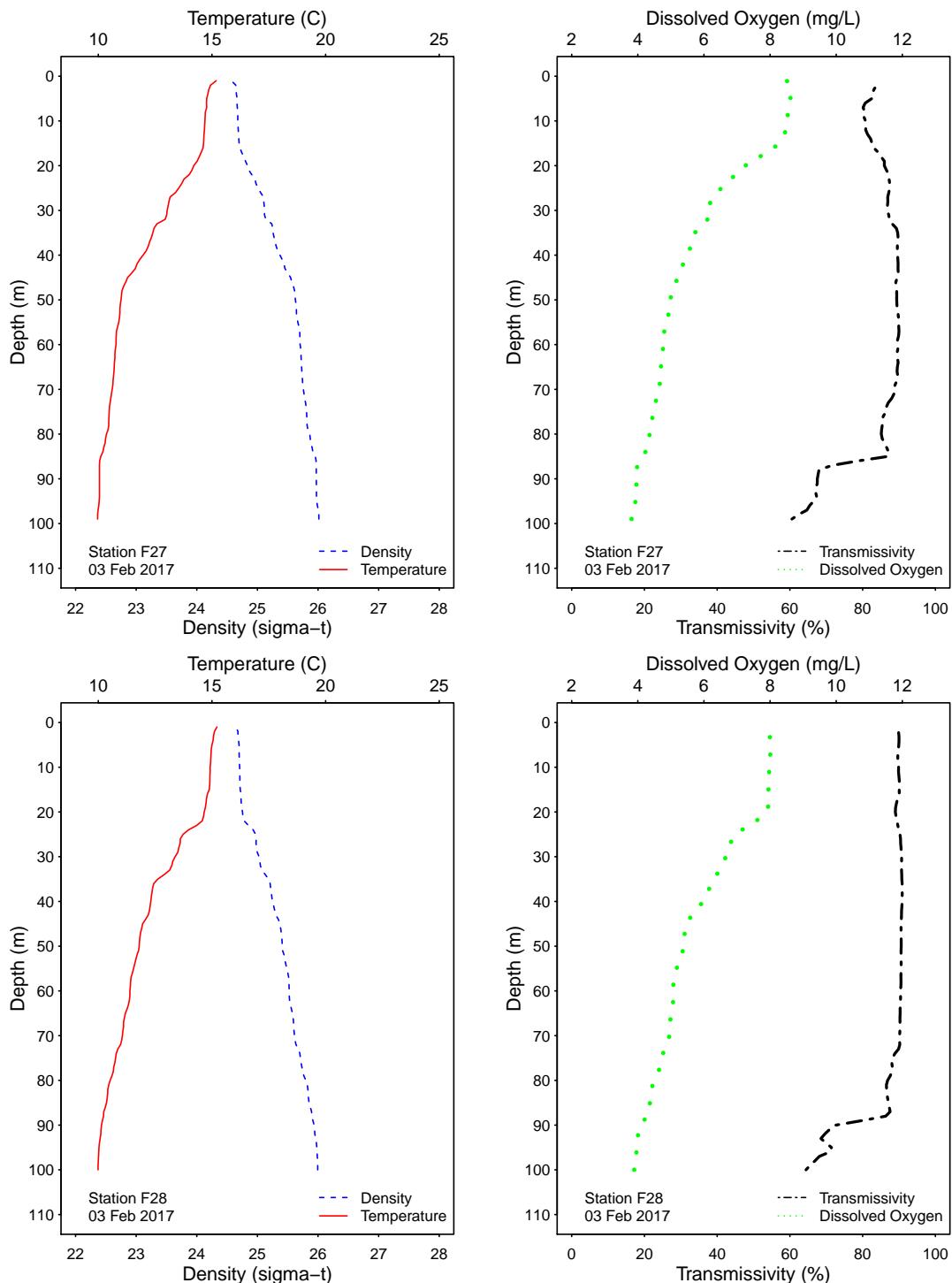


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

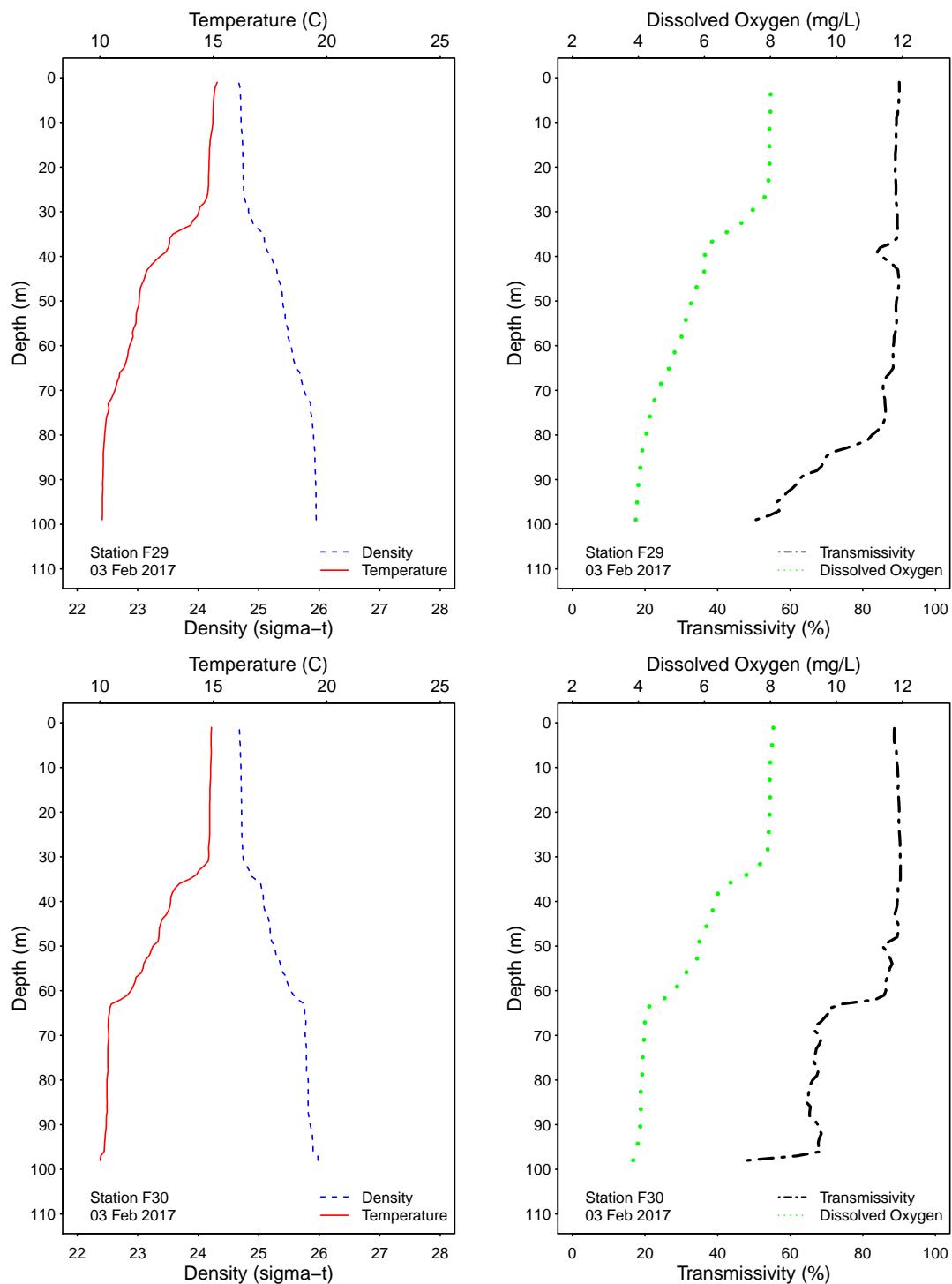


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

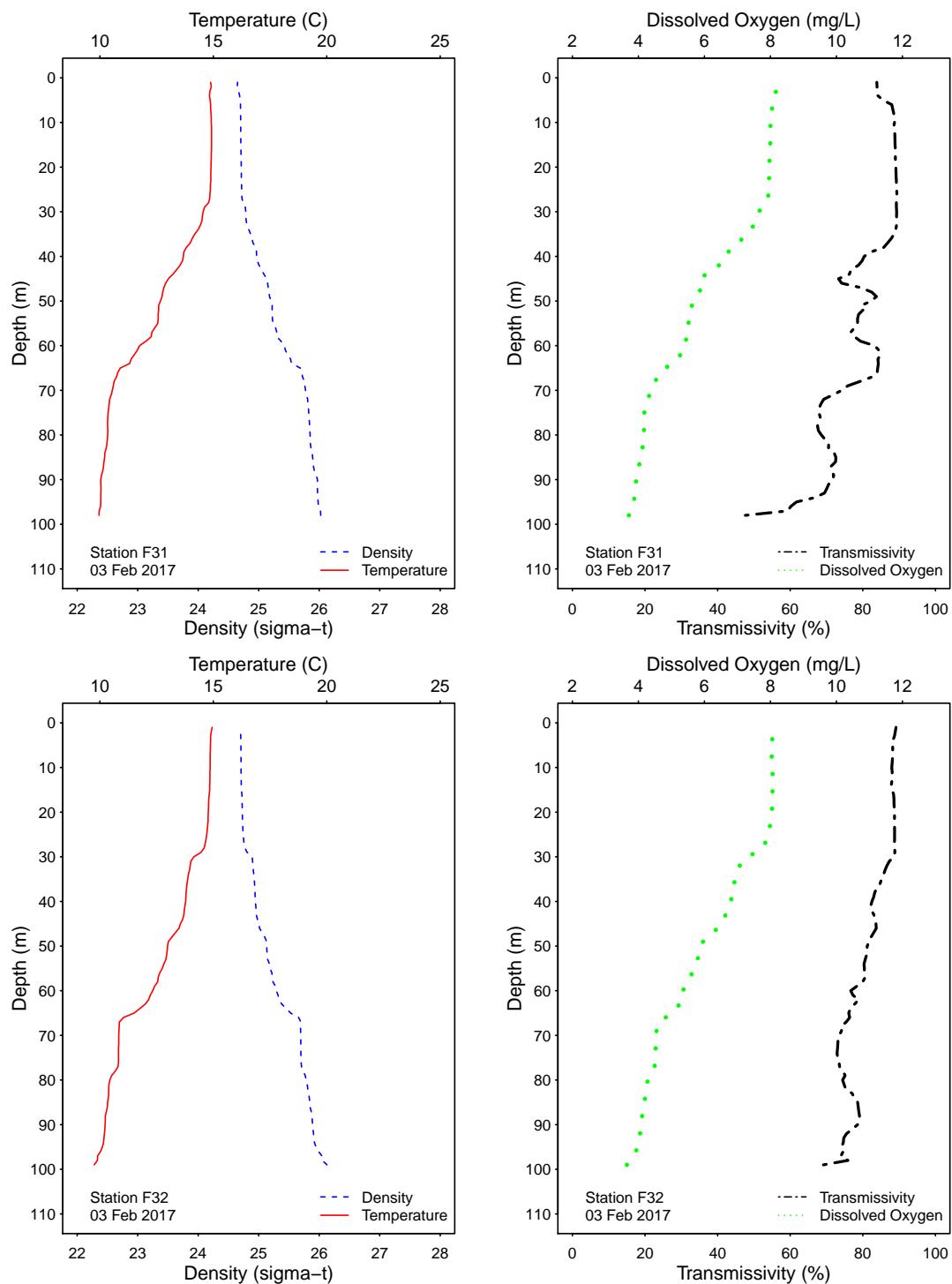


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

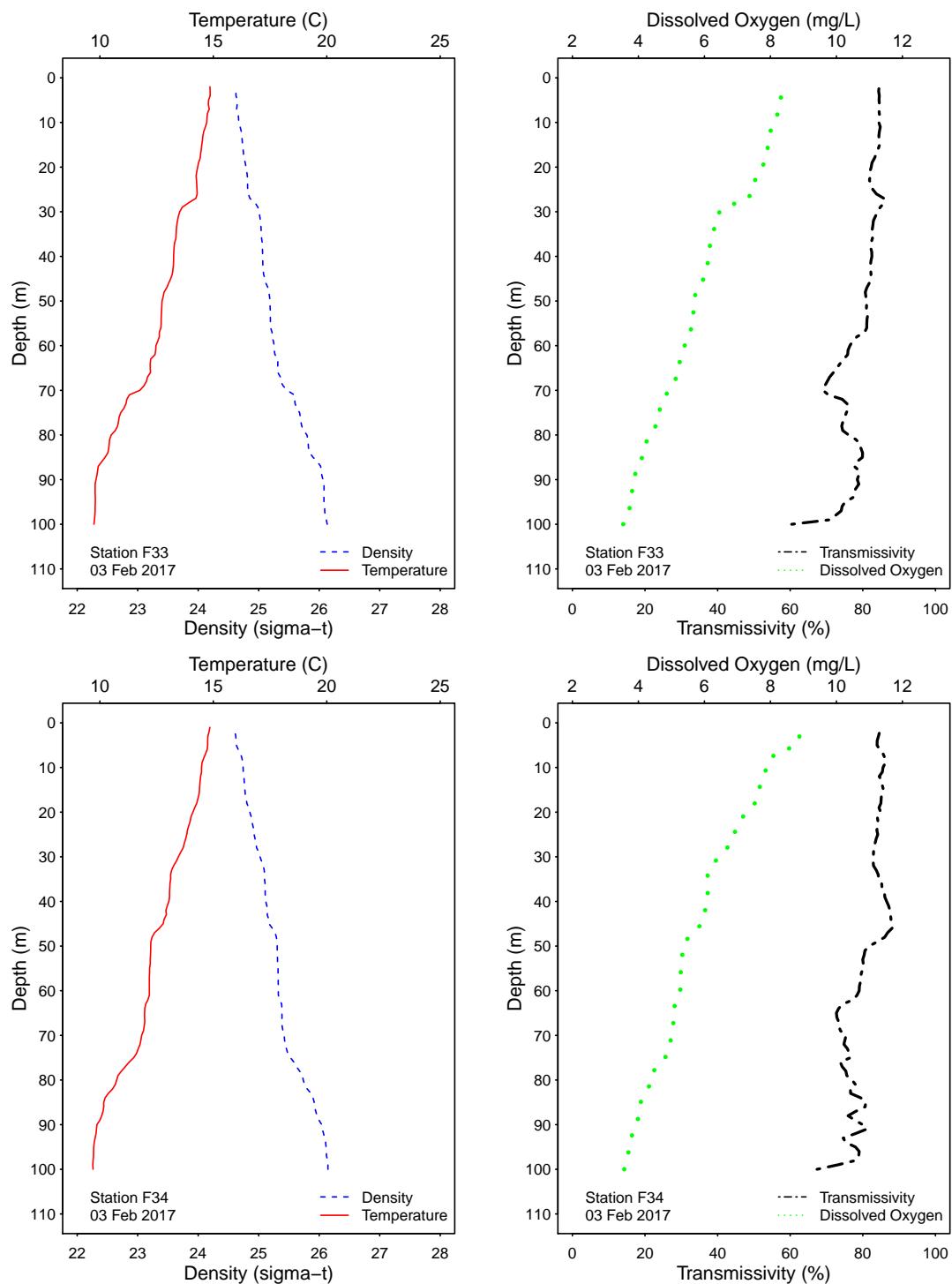


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

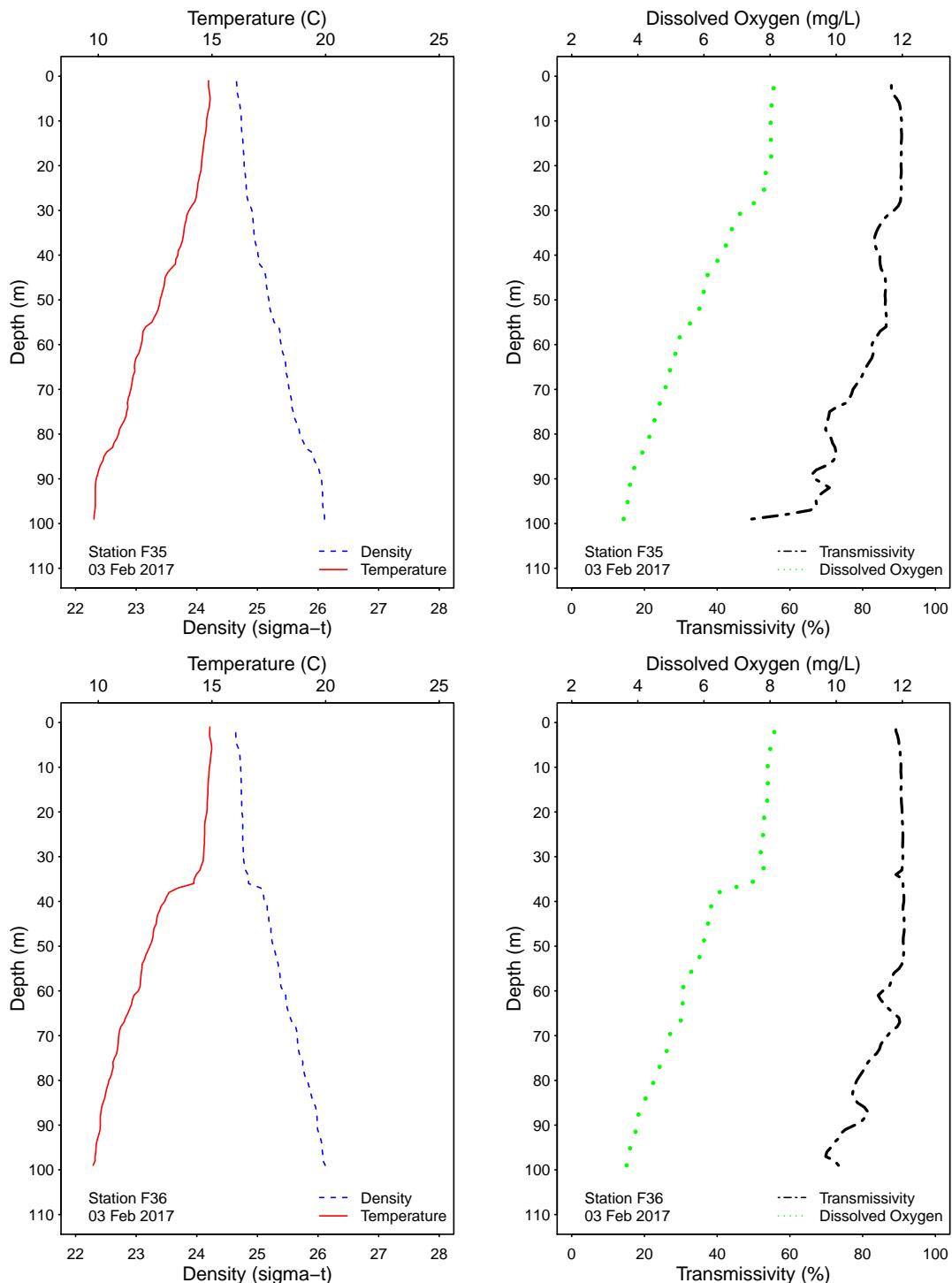


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	04 Feb 2017	18	AR	LAB DUPLICATE	<20	2e	2e
A7	06 Feb 2017	18	JT	LAB DUPLICATE	<2	<2	<2
A7	14 Feb 2017	18	ZV	LAB DUPLICATE	8e	<2	<2
A7	24 Feb 2017	18	ZV	LAB DUPLICATE	12e	2e	<2
C7	04 Feb 2017	18	AR	LAB DUPLICATE	<2	<2	2e
C7	06 Feb 2017	18	JT	LAB DUPLICATE	<2	<2	<2
C7	14 Feb 2017	18	ZV	LAB DUPLICATE	10e	<2	2e
C7	24 Feb 2017	18	ZV	LAB DUPLICATE	36e	<2	<2
C8	04 Feb 2017	12	AR	LAB DUPLICATE	<2	<2	<2
C8	06 Feb 2017	12	JT	LAB DUPLICATE	6e	<2	<2
C8	14 Feb 2017	12	ZV	LAB DUPLICATE	6e	<2	<2
C8	24 Feb 2017	12	ZV	LAB DUPLICATE	4e	<2	<2
D12	04 Feb 2017		AR	FIELD DUPLICATE	20e	6e	<2
D12	04 Feb 2017		AR	LAB DUPLICATE	4e	2e	<2
D12	10 Feb 2017		ZV	FIELD DUPLICATE	<2	<2	<2
D12	10 Feb 2017		ZV	LAB DUPLICATE	2e	<2	2e
D12	16 Feb 2017		JT	FIELD DUPLICATE	<20	6e	6e
D12	16 Feb 2017		JT	LAB DUPLICATE	6e	2e	<2
D12	22 Feb 2017		JT	FIELD DUPLICATE	6e	2e	<2
D12	22 Feb 2017		JT	LAB DUPLICATE	2e	<2	<2
D12	28 Feb 2017		JT	FIELD DUPLICATE	4800	220e	500
D12	28 Feb 2017		AR	LAB DUPLICATE	2400e	38e	440
F01	01 Feb 2017	12	JT	LAB DUPLICATE	ns	ns	<2
F02	01 Feb 2017	12	JT	LAB DUPLICATE	ns	ns	<2
F07	01 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	30e
F08	01 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	26e
F11	01 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	8e
F17	02 Feb 2017	80	ZV	LAB DUPLICATE	ns	ns	12e
F18	02 Feb 2017	60	ZV	LAB DUPLICATE	ns	ns	4e
F19	02 Feb 2017	60	ZV	LAB DUPLICATE	ns	ns	<2
F20	02 Feb 2017	60	ZV	LAB DUPLICATE	ns	ns	<2
F21	02 Feb 2017	80	ZV	LAB DUPLICATE	ns	ns	50
F28	03 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	<2
F29	03 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	<2
F30	03 Feb 2017	60	JT	LAB DUPLICATE	ns	ns	2e
F31	03 Feb 2017	80	AR	LAB DUPLICATE	ns	ns	82
F32	03 Feb 2017	80	JT	LAB DUPLICATE	ns	ns	80
F34	03 Feb 2017	60	AR	LAB DUPLICATE	ns	ns	ns

} ns = not sampled

ND = no data

