



MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE POINT LOMA OCEAN OUTFALL

(POINT LOMA METROPOLITAN WASTEWATER TREATMENT PLANT)
NPDES PERMIT No. CA 0107409

FEBRUARY 2016

CITY OF SAN DIEGO
OCEAN MONITORING PROGRAM
PUBLIC UTILITIES DEPARTMENT
ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES DIVISION



THE CITY OF SAN DIEGO

March 31, 2016

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 2016 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,

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

TDS/ger

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

Environmental Monitoring and Technical Services Division • Public Utilities

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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). 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;
- (2) Fecal coliform density shall not exceed 200 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.

(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 2016 Quality Assurance Report, which will be completed in March 2017.

SUMMARY OF RESULTS

Shore Stations

During February 2016, one of the eight shore stations was out of compliance with various water-contact standards specified in the Ocean Plan as follows:

- The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station D8 on February 9.
- The geometric mean standard for *Enterococcus* was exceeded at station D8 on multiple days during the month.
- Per permit requirements, resamples were collected in response to these SSM exceedances (see Table 2.8 for details).
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surfgrass. See the City of San Diego's most recent *Point Loma Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- Nothing of sewage origin was observed at any of the shore stations.

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled five times during February (i.e. February 4, 12, 20, 23, 29).
- During February, one of the kelp bed stations was out of compliance with various water-contact standard specified in the Ocean Plan as follows:

- The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station A1 on February 20.
- Water column temperatures ranged from 13.83 to 16.80°C during the month. The difference between surface and bottom waters ranged from 0.01 to 1.79°C, indicating that the water column was stratified at the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.34 to 3.08 µg/L during February, suggesting the presence of phytoplankton blooms during the month.
- Ammonia (as nitrogen) values were <0.01 mg/L at all of 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 2, 3, and 5.
- During February, one of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*:
 - The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station F20 on February 2.
- All but 5 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F21, F29, F30, F31 and F33, which exceeded the single sample maximum for *Enterococcus* at one or more depths on February 2 and 5.
- During February, water column temperatures ranged from 11.29 to 15.73°C. The difference between surface and bottom waters ranged from 0.33 to 4.12°C, indicating that the water column was stratified during the month.
- Chlorophyll *a* concentrations ranged from 0.14 to 3.42 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 ranged from 0.01 to 0.05 mg/L at the offshore stations during the month.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES

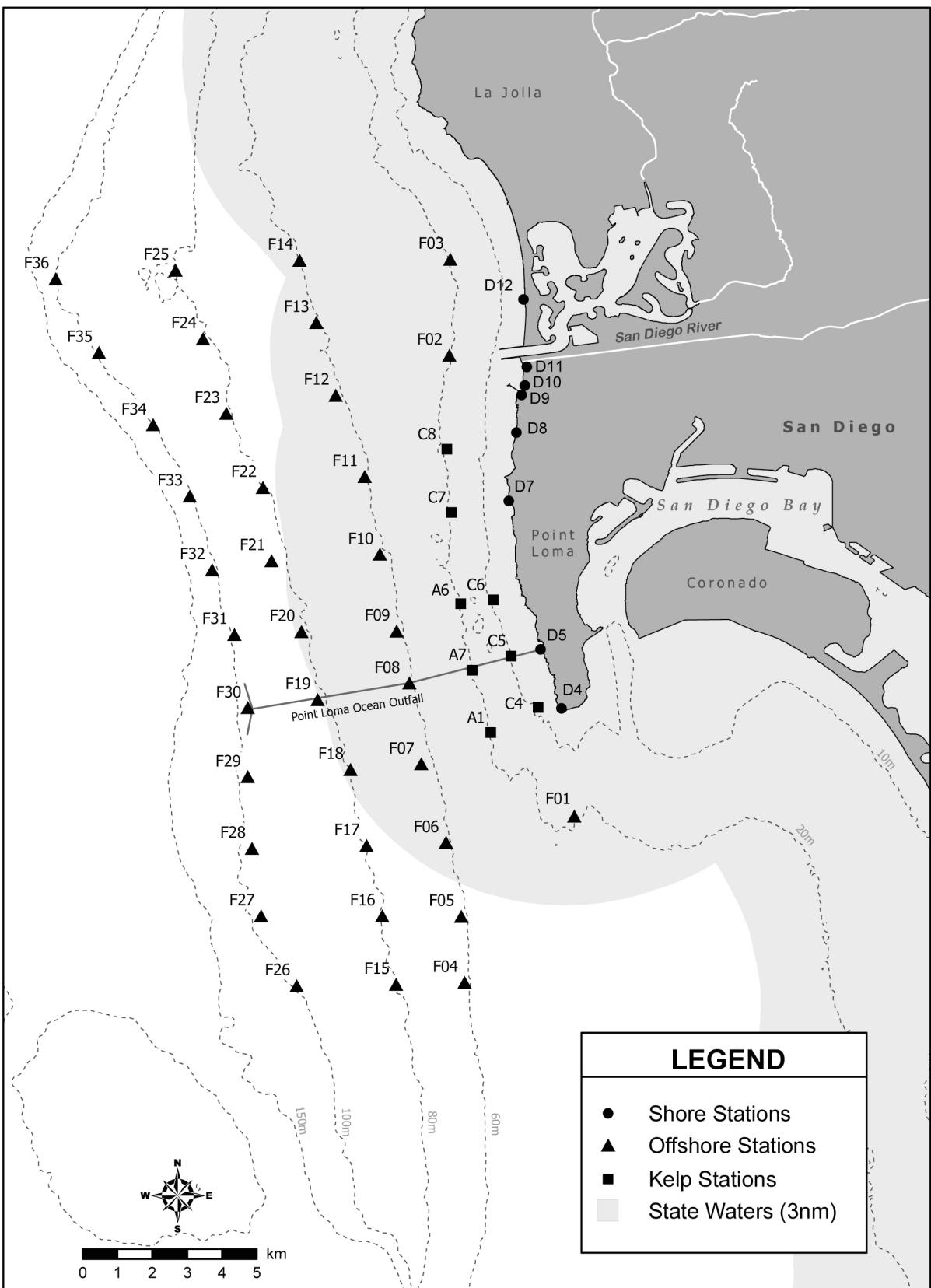


Figure 1.1 Station Map

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	D9	D10	D11	D12
01 Feb 2016	6	15	8	117	19	30	27	5
02 Feb 2016	6	15	8	117	19	30	27	5
03 Feb 2016	5	7	7	105	11	26	22	5
04 Feb 2016	5	7	7	105	11	26	22	5
05 Feb 2016	5	7	7	105	11	26	22	5
06 Feb 2016	5	7	7	105	11	26	22	5
07 Feb 2016	5	7	7	105	11	26	22	5
08 Feb 2016	5	7	7	105	11	26	22	5
09 Feb 2016	5	4	8	66	4	22	10	3
10 Feb 2016	5	4	8	66	4	22	10	3
11 Feb 2016	5	4	8	66	4	22	10	3
12 Feb 2016	5	4	8	66	4	22	10	3
13 Feb 2016	5	4	8	66	4	22	10	3
14 Feb 2016	5	4	8	66	4	22	10	3
15 Feb 2016	3	3	8	66	3	11	3	3
16 Feb 2016	3	3	8	66	3	11	3	3
17 Feb 2016	3	3	8	66	3	11	3	3
18 Feb 2016	3	3	8	66	3	11	3	3
19 Feb 2016	3	3	8	66	3	11	3	3
20 Feb 2016	3	3	8	66	3	11	3	3
21 Feb 2016	5	5	21	53	4	12	5	3
22 Feb 2016	5	5	21	53	4	12	5	3
23 Feb 2016	5	5	21	53	4	12	5	3
24 Feb 2016	5	5	21	53	4	12	5	3
25 Feb 2016	5	5	21	53	4	12	5	3
26 Feb 2016	5	5	21	53	4	12	5	3
27 Feb 2016	5	5	23	26	6	12	8	3
28 Feb 2016	5	5	23	26	6	12	8	3
29 Feb 2016	5	5	23	26	6	12	8	3

* 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	D9	D10	D11	D12
01 Feb 2016	2	4	7	17	3	7	4	2
02 Feb 2016	2	4	7	17	3	7	4	2
03 Feb 2016	2	2	6	9	2	4	4	2
04 Feb 2016	2	2	6	9	2	4	4	2
05 Feb 2016	2	2	6	9	2	4	4	2
06 Feb 2016	2	2	6	9	2	4	4	2
07 Feb 2016	2	2	6	9	2	4	4	2
08 Feb 2016	2	2	6	9	2	4	4	2
09 Feb 2016	2	2	4	9	2	4	3	2
10 Feb 2016	2	2	4	9	2	4	3	2
11 Feb 2016	2	2	4	9	2	4	3	2
12 Feb 2016	2	2	4	9	2	4	3	2
13 Feb 2016	2	2	4	9	2	4	3	2
14 Feb 2016	2	2	4	9	2	4	3	2
15 Feb 2016	2	2	4	9	2	4	2	2
16 Feb 2016	2	2	4	9	2	4	2	2
17 Feb 2016	2	2	4	9	2	4	2	2
18 Feb 2016	2	2	4	9	2	4	2	2
19 Feb 2016	2	2	4	9	2	4	2	2
20 Feb 2016	2	2	4	9	2	4	2	2
21 Feb 2016	2	2	7	7	2	3	2	2
22 Feb 2016	2	2	7	7	2	3	2	2
23 Feb 2016	2	2	7	7	2	3	2	2
24 Feb 2016	2	2	7	7	2	3	2	2
25 Feb 2016	2	2	7	7	2	3	2	2
26 Feb 2016	2	2	7	7	2	3	2	2
27 Feb 2016	2	2	7	3	2	3	2	2
28 Feb 2016	2	2	7	3	2	3	2	2
29 Feb 2016	2	2	7	3	2	3	2	2

* Geometric mean calculated using n<5

Table 2.3

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
01 Feb 2016	2	4	6	33	4	13	13	2
02 Feb 2016	2	4	6	33	4	13	13	2
03 Feb 2016	2	2	4	25	4	10	16	2
04 Feb 2016	2	2	4	25	4	10	16	2
05 Feb 2016	2	2	4	25	4	10	16	2
06 Feb 2016	2	2	4	25	4	10	16	2
07 Feb 2016	2	2	4	25	4	10	16	2
08 Feb 2016	2	2	4	25	4	10	16	2
09 Feb 2016	2	2	3	68	3	6	9	3
10 Feb 2016	2	2	3	68	3	6	9	3
11 Feb 2016	2	2	3	45	3	6	9	3
12 Feb 2016	2	2	3	45	3	6	9	3
13 Feb 2016	2	2	3	45	3	6	9	3
14 Feb 2016	2	2	3	45	3	6	9	3
15 Feb 2016	2	2	3	50	3	3	5	3
16 Feb 2016	2	2	3	50	3	3	5	3
17 Feb 2016	2	2	3	50	3	3	5	3
18 Feb 2016	2	2	3	50	3	3	5	3
19 Feb 2016	2	2	3	50	3	3	5	3
20 Feb 2016	2	2	3	50	3	3	5	3
21 Feb 2016	2	2	3	43	3	4	4	3
22 Feb 2016	2	2	3	43	3	4	4	3
23 Feb 2016	2	2	3	43	3	4	4	3
24 Feb 2016	2	2	3	43	3	4	4	3
25 Feb 2016	2	2	3	43	3	4	4	3
26 Feb 2016	2	2	3	43	3	4	4	3
27 Feb 2016	2	2	2	13	3	4	4	3
28 Feb 2016	2	2	2	12	3	4	4	3
29 Feb 2016	2	2	2	12	3	4	4	3

* Geometric mean calculated using n<5

Table 2.4

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
03 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
27 Feb 2016	IC	IC	IC	IC	IC	IC	IC	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	D9	D10	D11	D12
03 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
27 Feb 2016	IC	IC	IC	IC	IC	IC	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	D9	D10	D11	D12
03 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2016	IC	IC	IC	E	IC	IC	IC	IC
11 Feb 2016	ns	ns	ns	IC	ns	ns	ns	ns
15 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
27 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC

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	D9	D10	D11	D12
03 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2016	IC	IC	IC	IC	IC	IC	IC	IC
27 Feb 2016	IC	IC	IC	IC	IC	IC	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	03 Feb 2016	934	2e	<2	<2	1.00
	09 Feb 2016	910	<20	<2	<2	0.10
	15 Feb 2016	1000	<2	<2	<2	1.00
	21 Feb 2016	941	<20	<2	<2	0.10
	27 Feb 2016	922	2e	<2	<2	1.00
D5	03 Feb 2016	914	4e	<2	<2	0.50
	09 Feb 2016	855	<2	2e	<2	1.00
	15 Feb 2016	1020	6e	<2	<2	0.33
	21 Feb 2016	927	<20	<2	<2	0.10
	27 Feb 2016	908	<2	<2	<2	1.00
D7	03 Feb 2016	1003	4e	<2	2e	0.50
	09 Feb 2016	930	40e	2e	<2	0.05
	15 Feb 2016	932	2e	<2	<2	1.00
	21 Feb 2016	1001	260e	68	<2	0.26
	27 Feb 2016	943	80e	28e	<2	0.35
D8	03 Feb 2016	1015	80e	4e	8e	0.05
	09 Feb 2016	948	20e	4e	6200	0.20
	11 Feb 2016	926	ns	ns	4e	ns
	15 Feb 2016	1055	20e	4e	4e	0.20
	21 Feb 2016	1018	<20	2e	2e	0.10
	27 Feb 2016	958	<20	<2	<2	0.10
D9	03 Feb 2016	1031	2e	<2	<2	1.00
	09 Feb 2016	1000	<2	<2	4e	1.00
	15 Feb 2016	1118	4e	<2	4e	0.50
	21 Feb 2016	1029	<20	<2	<2	0.10
	27 Feb 2016	1010	<20	2e	<2	0.10
D10	03 Feb 2016	1042	4e	<2	<2	0.50
	09 Feb 2016	1010	40e	8e	2e	0.20
	15 Feb 2016	1130	4e	<2	4e	0.50
	21 Feb 2016	1040	20e	2e	26e	0.10
	27 Feb 2016	1023	20e	6e	2e	0.30
D11	03 Feb 2016	1054	20e	<2	30e	0.10
	09 Feb 2016	1020	2e	<2	<2	1.00
	15 Feb 2016	1146	<2	2e	4e	1.00
	21 Feb 2016	1054	<20	<2	2e	0.10
	27 Feb 2016	1035	<20	2e	2e	0.10

Station	Date	Time	Total	Fecal	Enteric	F:T
D12	03 Feb 2016	1119	<2	<2	<2	1.00
D12	09 Feb 2016	1040	2e	<2	12e	1.00
D12	15 Feb 2016	909	<2	<2	2e	1.00
D12	21 Feb 2016	1118	<20	<2	<2	0.10
D12	27 Feb 2016	1058	2e	<2	<2	1.00

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
D8	11 Feb 2016			Resample

Table 2.9

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

Station	Date	Parameter	Value
D4	03 Feb 2016	Arrive Time	934
D4	03 Feb 2016	Weather	Sunny
D4	03 Feb 2016	Wind Speed (kts)	1.5
D4	03 Feb 2016	Wind Dir	W
D4	03 Feb 2016	Animal Life	2 Birds
D4	03 Feb 2016	Floatables	None
D4	03 Feb 2016	Water Color	Green
D4	03 Feb 2016	Current Direction	W
D4	03 Feb 2016	Wave Height Low (ft)	1
D4	03 Feb 2016	High Tide (ft)	4.7
D4	03 Feb 2016	High Tide Time	457
D4	03 Feb 2016	Low Tide (ft)	0.4
D4	03 Feb 2016	Low Tide Time	1225
D4	03 Feb 2016	Comments	Kelp; Algae; Water clear
D4	09 Feb 2016	Arrive Time	910
D4	09 Feb 2016	Weather	Sunny
D4	09 Feb 2016	Wind Speed (kts)	0
D4	09 Feb 2016	Wind Dir	
D4	09 Feb 2016	Animal Life	None
D4	09 Feb 2016	Floatables	None
D4	09 Feb 2016	Water Color	Green
D4	09 Feb 2016	Current Direction	S
D4	09 Feb 2016	Wave Height Low (ft)	4
D4	09 Feb 2016	High Tide (ft)	6.1
D4	09 Feb 2016	High Tide Time	905
D4	09 Feb 2016	Low Tide (ft)	0.8
D4	09 Feb 2016	Low Tide Time	303
D4	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D4	15 Feb 2016	Arrive Time	1000
D4	15 Feb 2016	Weather	Sunny
D4	15 Feb 2016	Wind Speed (kts)	3
D4	15 Feb 2016	Wind Dir	W
D4	15 Feb 2016	Animal Life	None
D4	15 Feb 2016	Floatables	None
D4	15 Feb 2016	Water Color	Green
D4	15 Feb 2016	Current Direction	W
D4	15 Feb 2016	Wave Height Low (ft)	3
D4	15 Feb 2016	High Tide (ft)	2.9
D4	15 Feb 2016	High Tide Time	1602
D4	15 Feb 2016	Low Tide (ft)	0.7
D4	15 Feb 2016	Low Tide Time	951
D4	15 Feb 2016	Comments	Kelp; Seagrass; Water turbid
D4	21 Feb 2016	Arrive Time	941
D4	21 Feb 2016	Weather	Sunny
D4	21 Feb 2016	Wind Speed (kts)	3.8
D4	21 Feb 2016	Wind Dir	SW
D4	21 Feb 2016	Animal Life	None
D4	21 Feb 2016	Floatables	None

Station	Date	Parameter	Value
D4	21 Feb 2016	Water Color	Green
D4	21 Feb 2016	Current Direction	SW
D4	21 Feb 2016	Wave Height Low (ft)	4
D4	21 Feb 2016	High Tide (ft)	5.7
D4	21 Feb 2016	High Tide Time	756
D4	21 Feb 2016	Low Tide (ft)	-0.8
D4	21 Feb 2016	Low Tide Time	1446
D4	21 Feb 2016	Comments	Kelp; Seagrass; 4 Surfers; 3 Boats; Water clear
D4	27 Feb 2016	Arrive Time	922
D4	27 Feb 2016	Weather	Sunny
D4	27 Feb 2016	Wind Speed (kts)	2.5
D4	27 Feb 2016	Wind Dir	W
D4	27 Feb 2016	Animal Life	1 Seal
D4	27 Feb 2016	Floatables	None
D4	27 Feb 2016	Water Color	Green
D4	27 Feb 2016	Current Direction	W
D4	27 Feb 2016	Wave Height Low (ft)	3
D4	27 Feb 2016	High Tide (ft)	3.6
D4	27 Feb 2016	High Tide Time	1120
D4	27 Feb 2016	Low Tide (ft)	1.2
D4	27 Feb 2016	Low Tide Time	537
D4	27 Feb 2016	Comments	Algae; Water clear
D5	03 Feb 2016	Arrive Time	914
D5	03 Feb 2016	Weather	Sunny
D5	03 Feb 2016	Wind Speed (kts)	1.9
D5	03 Feb 2016	Wind Dir	W
D5	03 Feb 2016	Animal Life	None
D5	03 Feb 2016	Floatables	None
D5	03 Feb 2016	Water Color	Green
D5	03 Feb 2016	Current Direction	W
D5	03 Feb 2016	Wave Height Low (ft)	2
D5	03 Feb 2016	High Tide (ft)	4.7
D5	03 Feb 2016	High Tide Time	457
D5	03 Feb 2016	Low Tide (ft)	0.4
D5	03 Feb 2016	Low Tide Time	1225
D5	03 Feb 2016	Comments	Seagrass; Algae; Water clear
D5	09 Feb 2016	Arrive Time	855
D5	09 Feb 2016	Weather	Sunny
D5	09 Feb 2016	Wind Speed (kts)	0.3
D5	09 Feb 2016	Wind Dir	W
D5	09 Feb 2016	Animal Life	None
D5	09 Feb 2016	Floatables	None
D5	09 Feb 2016	Water Color	Green
D5	09 Feb 2016	Current Direction	S
D5	09 Feb 2016	Wave Height Low (ft)	1
D5	09 Feb 2016	High Tide (ft)	6.1
D5	09 Feb 2016	High Tide Time	905
D5	09 Feb 2016	Low Tide (ft)	0.8
D5	09 Feb 2016	Low Tide Time	303
D5	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D5	15 Feb 2016	Arrive Time	1020

Station	Date	Parameter	Value
D5	15 Feb 2016	Weather	Sunny
D5	15 Feb 2016	Wind Speed (kts)	3
D5	15 Feb 2016	Wind Dir	W
D5	15 Feb 2016	Animal Life	None
D5	15 Feb 2016	Floatables	None
D5	15 Feb 2016	Water Color	Green
D5	15 Feb 2016	Current Direction	W
D5	15 Feb 2016	Wave Height Low (ft)	2
D5	15 Feb 2016	High Tide (ft)	2.9
D5	15 Feb 2016	High Tide Time	1602
D5	15 Feb 2016	Low Tide (ft)	0.7
D5	15 Feb 2016	Low Tide Time	951
D5	15 Feb 2016	Comments	Kelp; Seagrass; Water turbid
D5	21 Feb 2016	Arrive Time	927
D5	21 Feb 2016	Weather	Sunny
D5	21 Feb 2016	Wind Speed (kts)	0.5
D5	21 Feb 2016	Wind Dir	SW
D5	21 Feb 2016	Animal Life	None
D5	21 Feb 2016	Floatables	None
D5	21 Feb 2016	Water Color	Green
D5	21 Feb 2016	Current Direction	SW
D5	21 Feb 2016	Wave Height Low (ft)	3
D5	21 Feb 2016	High Tide (ft)	5.7
D5	21 Feb 2016	High Tide Time	756
D5	21 Feb 2016	Low Tide (ft)	-0.8
D5	21 Feb 2016	Low Tide Time	1446
D5	21 Feb 2016	Comments	Kelp; Seagrass; Water clear
D5	27 Feb 2016	Arrive Time	908
D5	27 Feb 2016	Weather	Sunny
D5	27 Feb 2016	Wind Speed (kts)	1.3
D5	27 Feb 2016	Wind Dir	W
D5	27 Feb 2016	Animal Life	None
D5	27 Feb 2016	Floatables	None
D5	27 Feb 2016	Water Color	Green
D5	27 Feb 2016	Current Direction	W
D5	27 Feb 2016	Wave Height Low (ft)	2
D5	27 Feb 2016	High Tide (ft)	3.6
D5	27 Feb 2016	High Tide Time	1120
D5	27 Feb 2016	Low Tide (ft)	1.2
D5	27 Feb 2016	Low Tide Time	537
D5	27 Feb 2016	Comments	Algae; Water clear
D7	03 Feb 2016	Arrive Time	1003
D7	03 Feb 2016	Weather	Sunny
D7	03 Feb 2016	Wind Speed (kts)	2.3
D7	03 Feb 2016	Wind Dir	NW
D7	03 Feb 2016	Animal Life	None
D7	03 Feb 2016	Floatables	None
D7	03 Feb 2016	Water Color	Green
D7	03 Feb 2016	Current Direction	NW
D7	03 Feb 2016	Wave Height Low (ft)	3
D7	03 Feb 2016	High Tide (ft)	4.7
D7	03 Feb 2016	High Tide Time	457

Station	Date	Parameter	Value
D7	03 Feb 2016	Low Tide (ft)	0.4
D7	03 Feb 2016	Low Tide Time	1225
D7	03 Feb 2016	Comments	Kelp; Seagrass; Algae; 3 Surfers; Water clear
D7	09 Feb 2016	Arrive Time	930
D7	09 Feb 2016	Weather	Sunny
D7	09 Feb 2016	Wind Speed (kts)	1.5
D7	09 Feb 2016	Wind Dir	W
D7	09 Feb 2016	Animal Life	None
D7	09 Feb 2016	Floatables	None
D7	09 Feb 2016	Water Color	Green
D7	09 Feb 2016	Current Direction	S
D7	09 Feb 2016	Wave Height Low (ft)	3
D7	09 Feb 2016	High Tide (ft)	6.1
D7	09 Feb 2016	High Tide Time	905
D7	09 Feb 2016	Low Tide (ft)	0.8
D7	09 Feb 2016	Low Tide Time	303
D7	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D7	15 Feb 2016	Arrive Time	932
D7	15 Feb 2016	Weather	Sunny
D7	15 Feb 2016	Wind Speed (kts)	2
D7	15 Feb 2016	Wind Dir	W
D7	15 Feb 2016	Animal Life	None
D7	15 Feb 2016	Floatables	None
D7	15 Feb 2016	Water Color	Green
D7	15 Feb 2016	Current Direction	W
D7	15 Feb 2016	Wave Height Low (ft)	2
D7	15 Feb 2016	High Tide (ft)	2.9
D7	15 Feb 2016	High Tide Time	1602
D7	15 Feb 2016	Low Tide (ft)	0.7
D7	15 Feb 2016	Low Tide Time	951
D7	15 Feb 2016	Comments	Kelp; Seagrass; 4 Surfers; Water turbid
D7	21 Feb 2016	Arrive Time	1001
D7	21 Feb 2016	Weather	Sunny
D7	21 Feb 2016	Wind Speed (kts)	0.7
D7	21 Feb 2016	Wind Dir	SW
D7	21 Feb 2016	Animal Life	None
D7	21 Feb 2016	Floatables	None
D7	21 Feb 2016	Water Color	Green
D7	21 Feb 2016	Current Direction	SW
D7	21 Feb 2016	Wave Height Low (ft)	5
D7	21 Feb 2016	High Tide (ft)	5.7
D7	21 Feb 2016	High Tide Time	756
D7	21 Feb 2016	Low Tide (ft)	-0.8
D7	21 Feb 2016	Low Tide Time	1446
D7	21 Feb 2016	Comments	Kelp; Seagrass; Water clear
D7	27 Feb 2016	Arrive Time	943
D7	27 Feb 2016	Weather	Sunny
D7	27 Feb 2016	Wind Speed (kts)	3.5
D7	27 Feb 2016	Wind Dir	NW
D7	27 Feb 2016	Animal Life	None
D7	27 Feb 2016	Floatables	None

Station	Date	Parameter	Value
D7	27 Feb 2016	Water Color	Green
D7	27 Feb 2016	Current Direction	NW
D7	27 Feb 2016	Wave Height Low (ft)	4
D7	27 Feb 2016	High Tide (ft)	3.6
D7	27 Feb 2016	High Tide Time	1120
D7	27 Feb 2016	Low Tide (ft)	1.2
D7	27 Feb 2016	Low Tide Time	537
D7	27 Feb 2016	Comments	Kelp; Seagrass; Algae; 1 Surfer; Water clear
D8	03 Feb 2016	Arrive Time	1015
D8	03 Feb 2016	Weather	Sunny
D8	03 Feb 2016	Wind Speed (kts)	1.7
D8	03 Feb 2016	Wind Dir	W
D8	03 Feb 2016	Animal Life	15 Birds
D8	03 Feb 2016	Floatables	None
D8	03 Feb 2016	Water Color	Green
D8	03 Feb 2016	Current Direction	W
D8	03 Feb 2016	Wave Height Low (ft)	2
D8	03 Feb 2016	High Tide (ft)	4.7
D8	03 Feb 2016	High Tide Time	457
D8	03 Feb 2016	Low Tide (ft)	0.4
D8	03 Feb 2016	Low Tide Time	1225
D8	03 Feb 2016	Comments	Kelp; Seagrass; Water clear; Beach saturated with kelp
D8	09 Feb 2016	Arrive Time	948
D8	09 Feb 2016	Weather	Sunny
D8	09 Feb 2016	Wind Speed (kts)	1.5
D8	09 Feb 2016	Wind Dir	W
D8	09 Feb 2016	Animal Life	None
D8	09 Feb 2016	Floatables	None
D8	09 Feb 2016	Water Color	Green
D8	09 Feb 2016	Current Direction	S
D8	09 Feb 2016	Wave Height Low (ft)	3
D8	09 Feb 2016	High Tide (ft)	6.1
D8	09 Feb 2016	High Tide Time	905
D8	09 Feb 2016	Low Tide (ft)	-1.2
D8	09 Feb 2016	Low Tide Time	1555
D8	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D8	11 Feb 2016	Arrive Time	926
D8	11 Feb 2016	Weather	Sunny
D8	11 Feb 2016	Wind Speed (kts)	0
D8	11 Feb 2016	Wind Dir	
D8	11 Feb 2016	Animal Life	2 Dogs
D8	11 Feb 2016	Floatables	None
D8	11 Feb 2016	Water Color	Green
D8	11 Feb 2016	Current Direction	
D8	11 Feb 2016	Wave Height Low (ft)	4
D8	11 Feb 2016	High Tide (ft)	5.2
D8	11 Feb 2016	High Tide Time	1034
D8	11 Feb 2016	Low Tide (ft)	0.7
D8	11 Feb 2016	Low Tide Time	439
D8	11 Feb 2016	Comments	Kelp; Water clear
D8	15 Feb 2016	Arrive Time	1055

Station	Date	Parameter	Value
D8	15 Feb 2016	Weather	Sunny
D8	15 Feb 2016	Wind Speed (kts)	3
D8	15 Feb 2016	Wind Dir	W
D8	15 Feb 2016	Animal Life	None
D8	15 Feb 2016	Floatables	None
D8	15 Feb 2016	Water Color	Green
D8	15 Feb 2016	Current Direction	W
D8	15 Feb 2016	Wave Height Low (ft)	3
D8	15 Feb 2016	High Tide (ft)	2.9
D8	15 Feb 2016	High Tide Time	1602
D8	15 Feb 2016	Low Tide (ft)	0.7
D8	15 Feb 2016	Low Tide Time	951
D8	15 Feb 2016	Comments	Kelp; Seagrass; Water turbid; Tripping hazard repaired:)
D8	21 Feb 2016	Arrive Time	1018
D8	21 Feb 2016	Weather	Sunny
D8	21 Feb 2016	Wind Speed (kts)	3.4
D8	21 Feb 2016	Wind Dir	SW
D8	21 Feb 2016	Animal Life	None
D8	21 Feb 2016	Floatables	None
D8	21 Feb 2016	Water Color	Green
D8	21 Feb 2016	Current Direction	SW
D8	21 Feb 2016	Wave Height Low (ft)	4
D8	21 Feb 2016	High Tide (ft)	5.7
D8	21 Feb 2016	High Tide Time	756
D8	21 Feb 2016	Low Tide (ft)	-0.8
D8	21 Feb 2016	Low Tide Time	1446
D8	21 Feb 2016	Comments	Kelp; Seagrass; Water clear
D8	27 Feb 2016	Arrive Time	958
D8	27 Feb 2016	Weather	Sunny
D8	27 Feb 2016	Wind Speed (kts)	1.1
D8	27 Feb 2016	Wind Dir	NW
D8	27 Feb 2016	Animal Life	None
D8	27 Feb 2016	Floatables	None
D8	27 Feb 2016	Water Color	Green
D8	27 Feb 2016	Current Direction	NW
D8	27 Feb 2016	Wave Height Low (ft)	3
D8	27 Feb 2016	High Tide (ft)	3.6
D8	27 Feb 2016	High Tide Time	1120
D8	27 Feb 2016	Low Tide (ft)	1.2
D8	27 Feb 2016	Low Tide Time	537
D8	27 Feb 2016	Comments	Seagrass; Water clear
D9	03 Feb 2016	Arrive Time	1031
D9	03 Feb 2016	Weather	Sunny
D9	03 Feb 2016	Wind Speed (kts)	4
D9	03 Feb 2016	Wind Dir	W
D9	03 Feb 2016	Animal Life	2 Birds
D9	03 Feb 2016	Floatables	None
D9	03 Feb 2016	Water Color	Green
D9	03 Feb 2016	Current Direction	W
D9	03 Feb 2016	Wave Height Low (ft)	2
D9	03 Feb 2016	High Tide (ft)	4.7
D9	03 Feb 2016	High Tide Time	457

Station	Date	Parameter	Value
D9	03 Feb 2016	Low Tide (ft)	0.4
D9	03 Feb 2016	Low Tide Time	1225
D9	03 Feb 2016	Comments	Seagrass; Algae; 1 Person; Water clear
D9	09 Feb 2016	Arrive Time	1000
D9	09 Feb 2016	Weather	Sunny
D9	09 Feb 2016	Wind Speed (kts)	0
D9	09 Feb 2016	Wind Dir	
D9	09 Feb 2016	Animal Life	None
D9	09 Feb 2016	Floatables	None
D9	09 Feb 2016	Water Color	Green
D9	09 Feb 2016	Current Direction	S
D9	09 Feb 2016	Wave Height Low (ft)	3
D9	09 Feb 2016	High Tide (ft)	6.1
D9	09 Feb 2016	High Tide Time	905
D9	09 Feb 2016	Low Tide (ft)	-1.2
D9	09 Feb 2016	Low Tide Time	1555
D9	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D9	15 Feb 2016	Arrive Time	1118
D9	15 Feb 2016	Weather	Sunny
D9	15 Feb 2016	Wind Speed (kts)	2
D9	15 Feb 2016	Wind Dir	W
D9	15 Feb 2016	Animal Life	None
D9	15 Feb 2016	Floatables	None
D9	15 Feb 2016	Water Color	Green
D9	15 Feb 2016	Current Direction	W
D9	15 Feb 2016	Wave Height Low (ft)	2
D9	15 Feb 2016	High Tide (ft)	2.9
D9	15 Feb 2016	High Tide Time	1602
D9	15 Feb 2016	Low Tide (ft)	0.7
D9	15 Feb 2016	Low Tide Time	951
D9	15 Feb 2016	Comments	Kelp; Seagrass; 20 Persons; Water turbid
D9	21 Feb 2016	Arrive Time	1029
D9	21 Feb 2016	Weather	Sunny
D9	21 Feb 2016	Wind Speed (kts)	3.6
D9	21 Feb 2016	Wind Dir	SW
D9	21 Feb 2016	Animal Life	None
D9	21 Feb 2016	Floatables	None
D9	21 Feb 2016	Water Color	Brown
D9	21 Feb 2016	Current Direction	SW
D9	21 Feb 2016	Wave Height Low (ft)	2
D9	21 Feb 2016	High Tide (ft)	5.7
D9	21 Feb 2016	High Tide Time	756
D9	21 Feb 2016	Low Tide (ft)	-0.8
D9	21 Feb 2016	Low Tide Time	1446
D9	21 Feb 2016	Comments	Kelp; Seagrass; 15 Persons; Water clear
D9	27 Feb 2016	Arrive Time	1010
D9	27 Feb 2016	Weather	Sunny
D9	27 Feb 2016	Wind Speed (kts)	2.1
D9	27 Feb 2016	Wind Dir	NW
D9	27 Feb 2016	Animal Life	None
D9	27 Feb 2016	Floatables	None

Station	Date	Parameter	Value
D9	27 Feb 2016	Water Color	Green
D9	27 Feb 2016	Current Direction	NW
D9	27 Feb 2016	Wave Height Low (ft)	2
D9	27 Feb 2016	High Tide (ft)	3.6
D9	27 Feb 2016	High Tide Time	1120
D9	27 Feb 2016	Low Tide (ft)	1.2
D9	27 Feb 2016	Low Tide Time	537
D9	27 Feb 2016	Comments	Kelp; Seagrass; Algae; Water clear
D10	03 Feb 2016	Arrive Time	1042
D10	03 Feb 2016	Weather	Sunny
D10	03 Feb 2016	Wind Speed (kts)	7.2
D10	03 Feb 2016	Wind Dir	W
D10	03 Feb 2016	Animal Life	6 Birds
D10	03 Feb 2016	Floatables	None
D10	03 Feb 2016	Water Color	Green
D10	03 Feb 2016	Current Direction	W
D10	03 Feb 2016	Wave Height Low (ft)	3
D10	03 Feb 2016	High Tide (ft)	4.7
D10	03 Feb 2016	High Tide Time	457
D10	03 Feb 2016	Low Tide (ft)	0.4
D10	03 Feb 2016	Low Tide Time	1225
D10	03 Feb 2016	Comments	Kelp; 5 Surfers; Water clear
D10	09 Feb 2016	Arrive Time	1010
D10	09 Feb 2016	Weather	Sunny
D10	09 Feb 2016	Wind Speed (kts)	1.3
D10	09 Feb 2016	Wind Dir	W
D10	09 Feb 2016	Animal Life	None
D10	09 Feb 2016	Floatables	None
D10	09 Feb 2016	Water Color	Green
D10	09 Feb 2016	Current Direction	S
D10	09 Feb 2016	Wave Height Low (ft)	3
D10	09 Feb 2016	High Tide (ft)	6.1
D10	09 Feb 2016	High Tide Time	905
D10	09 Feb 2016	Low Tide (ft)	-1.2
D10	09 Feb 2016	Low Tide Time	1555
D10	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D10	15 Feb 2016	Arrive Time	1130
D10	15 Feb 2016	Weather	Sunny
D10	15 Feb 2016	Wind Speed (kts)	3
D10	15 Feb 2016	Wind Dir	W
D10	15 Feb 2016	Animal Life	None
D10	15 Feb 2016	Floatables	None
D10	15 Feb 2016	Water Color	Green
D10	15 Feb 2016	Current Direction	W
D10	15 Feb 2016	Wave Height Low (ft)	2
D10	15 Feb 2016	High Tide (ft)	2.9
D10	15 Feb 2016	High Tide Time	1602
D10	15 Feb 2016	Low Tide (ft)	0.7
D10	15 Feb 2016	Low Tide Time	951
D10	15 Feb 2016	Comments	None
D10	21 Feb 2016	Arrive Time	1040

Station	Date	Parameter	Value
D10	21 Feb 2016	Weather	Sunny
D10	21 Feb 2016	Wind Speed (kts)	2.9
D10	21 Feb 2016	Wind Dir	SW
D10	21 Feb 2016	Animal Life	None
D10	21 Feb 2016	Floatables	None
D10	21 Feb 2016	Water Color	Green
D10	21 Feb 2016	Current Direction	SW
D10	21 Feb 2016	Wave Height Low (ft)	3
D10	21 Feb 2016	High Tide (ft)	5.7
D10	21 Feb 2016	High Tide Time	756
D10	21 Feb 2016	Low Tide (ft)	-0.8
D10	21 Feb 2016	Low Tide Time	1446
D10	21 Feb 2016	Comments	Kelp; Seagrass; 30 Persons; Water clear
D10	27 Feb 2016	Arrive Time	1023
D10	27 Feb 2016	Weather	Sunny
D10	27 Feb 2016	Wind Speed (kts)	3.3
D10	27 Feb 2016	Wind Dir	W
D10	27 Feb 2016	Animal Life	None
D10	27 Feb 2016	Floatables	None
D10	27 Feb 2016	Water Color	Green
D10	27 Feb 2016	Current Direction	W
D10	27 Feb 2016	Wave Height Low (ft)	4
D10	27 Feb 2016	High Tide (ft)	3.6
D10	27 Feb 2016	High Tide Time	1120
D10	27 Feb 2016	Low Tide (ft)	1.2
D10	27 Feb 2016	Low Tide Time	537
D10	27 Feb 2016	Comments	Seagrass; 6 Persons; 1 Surfer; Water clear
D11	03 Feb 2016	Arrive Time	1054
D11	03 Feb 2016	Weather	Sunny
D11	03 Feb 2016	Wind Speed (kts)	6.4
D11	03 Feb 2016	Wind Dir	W
D11	03 Feb 2016	Animal Life	None
D11	03 Feb 2016	Floatables	None
D11	03 Feb 2016	Water Color	Green
D11	03 Feb 2016	Current Direction	W
D11	03 Feb 2016	Wave Height Low (ft)	4
D11	03 Feb 2016	High Tide (ft)	4.7
D11	03 Feb 2016	High Tide Time	457
D11	03 Feb 2016	Low Tide (ft)	0.4
D11	03 Feb 2016	Low Tide Time	1225
D11	03 Feb 2016	Comments	Kelp; 4 Surfers; Water clear
D11	09 Feb 2016	Arrive Time	1020
D11	09 Feb 2016	Weather	Sunny
D11	09 Feb 2016	Wind Speed (kts)	2.3
D11	09 Feb 2016	Wind Dir	W
D11	09 Feb 2016	Animal Life	None
D11	09 Feb 2016	Floatables	None
D11	09 Feb 2016	Water Color	Green
D11	09 Feb 2016	Current Direction	S
D11	09 Feb 2016	Wave Height Low (ft)	5
D11	09 Feb 2016	High Tide (ft)	6.1
D11	09 Feb 2016	High Tide Time	905

Station	Date	Parameter	Value
D11	09 Feb 2016	Low Tide (ft)	-1.2
D11	09 Feb 2016	Low Tide Time	1555
D11	09 Feb 2016	Comments	Kelp; Seagrass; 10 Surfers; Water clear
D11	15 Feb 2016	Arrive Time	1146
D11	15 Feb 2016	Weather	Sunny
D11	15 Feb 2016	Wind Speed (kts)	3
D11	15 Feb 2016	Wind Dir	W
D11	15 Feb 2016	Animal Life	None
D11	15 Feb 2016	Floatables	None
D11	15 Feb 2016	Water Color	Green
D11	15 Feb 2016	Current Direction	W
D11	15 Feb 2016	Wave Height Low (ft)	2
D11	15 Feb 2016	High Tide (ft)	2.9
D11	15 Feb 2016	High Tide Time	1602
D11	15 Feb 2016	Low Tide (ft)	0.7
D11	15 Feb 2016	Low Tide Time	951
D11	15 Feb 2016	Comments	Kelp; Seagrass; 20 Swimmers; Water turbid
D11	21 Feb 2016	Arrive Time	1054
D11	21 Feb 2016	Weather	Sunny
D11	21 Feb 2016	Wind Speed (kts)	3.8
D11	21 Feb 2016	Wind Dir	SW
D11	21 Feb 2016	Animal Life	None
D11	21 Feb 2016	Floatables	None
D11	21 Feb 2016	Water Color	Green
D11	21 Feb 2016	Current Direction	SW
D11	21 Feb 2016	Wave Height Low (ft)	4
D11	21 Feb 2016	High Tide (ft)	5.7
D11	21 Feb 2016	High Tide Time	756
D11	21 Feb 2016	Low Tide (ft)	-0.8
D11	21 Feb 2016	Low Tide Time	1446
D11	21 Feb 2016	Comments	Kelp; Seagrass; 32 Persons; 14 Surfers; Water clear
D11	27 Feb 2016	Arrive Time	1035
D11	27 Feb 2016	Weather	Sunny
D11	27 Feb 2016	Wind Speed (kts)	4.4
D11	27 Feb 2016	Wind Dir	W
D11	27 Feb 2016	Animal Life	None
D11	27 Feb 2016	Floatables	None
D11	27 Feb 2016	Water Color	Green
D11	27 Feb 2016	Current Direction	W
D11	27 Feb 2016	Wave Height Low (ft)	3
D11	27 Feb 2016	High Tide (ft)	3.6
D11	27 Feb 2016	High Tide Time	1120
D11	27 Feb 2016	Low Tide (ft)	1.2
D11	27 Feb 2016	Low Tide Time	537
D11	27 Feb 2016	Comments	Seagrass; 10 Persons; Water clear
D12	03 Feb 2016	Arrive Time	1119
D12	03 Feb 2016	Weather	Sunny
D12	03 Feb 2016	Wind Speed (kts)	4.4
D12	03 Feb 2016	Wind Dir	NW
D12	03 Feb 2016	Animal Life	None
D12	03 Feb 2016	Floatables	None

Station	Date	Parameter	Value
D12	03 Feb 2016	Water Color	Green
D12	03 Feb 2016	Current Direction	NW
D12	03 Feb 2016	Wave Height Low (ft)	3
D12	03 Feb 2016	High Tide (ft)	4.7
D12	03 Feb 2016	High Tide Time	457
D12	03 Feb 2016	Low Tide (ft)	0.4
D12	03 Feb 2016	Low Tide Time	1225
D12	03 Feb 2016	Comments	Seagrass; Water clear
D12	09 Feb 2016	Arrive Time	1040
D12	09 Feb 2016	Weather	Sunny
D12	09 Feb 2016	Wind Speed (kts)	1.5
D12	09 Feb 2016	Wind Dir	W
D12	09 Feb 2016	Animal Life	None
D12	09 Feb 2016	Floatables	None
D12	09 Feb 2016	Water Color	Green
D12	09 Feb 2016	Current Direction	S
D12	09 Feb 2016	Wave Height Low (ft)	3
D12	09 Feb 2016	High Tide (ft)	6.1
D12	09 Feb 2016	High Tide Time	905
D12	09 Feb 2016	Low Tide (ft)	-1.2
D12	09 Feb 2016	Low Tide Time	1555
D12	09 Feb 2016	Comments	Kelp; Seagrass; Water clear
D12	15 Feb 2016	Arrive Time	909
D12	15 Feb 2016	Weather	Sunny
D12	15 Feb 2016	Wind Speed (kts)	1
D12	15 Feb 2016	Wind Dir	W
D12	15 Feb 2016	Animal Life	None
D12	15 Feb 2016	Floatables	None
D12	15 Feb 2016	Water Color	Green
D12	15 Feb 2016	Current Direction	W
D12	15 Feb 2016	Wave Height Low (ft)	2
D12	15 Feb 2016	High Tide (ft)	4.8
D12	15 Feb 2016	High Tide Time	224
D12	15 Feb 2016	Low Tide (ft)	0.7
D12	15 Feb 2016	Low Tide Time	951
D12	15 Feb 2016	Comments	Kelp; Seagrass; 3 Surfers; Water turbid
D12	21 Feb 2016	Arrive Time	1118
D12	21 Feb 2016	Weather	Sunny
D12	21 Feb 2016	Wind Speed (kts)	1.5
D12	21 Feb 2016	Wind Dir	SW
D12	21 Feb 2016	Animal Life	None
D12	21 Feb 2016	Floatables	None
D12	21 Feb 2016	Water Color	Green
D12	21 Feb 2016	Current Direction	SW
D12	21 Feb 2016	Wave Height Low (ft)	2
D12	21 Feb 2016	High Tide (ft)	5.7
D12	21 Feb 2016	High Tide Time	756
D12	21 Feb 2016	Low Tide (ft)	-0.8
D12	21 Feb 2016	Low Tide Time	1446
D12	21 Feb 2016	Comments	Kelp; Seagrass; 31 Persons; Water clear
D12	27 Feb 2016	Arrive Time	1058

Station	Date	Parameter	Value
D12	27 Feb 2016	Weather	Sunny
D12	27 Feb 2016	Wind Speed (kts)	4.3
D12	27 Feb 2016	Wind Dir	W
D12	27 Feb 2016	Animal Life	None
D12	27 Feb 2016	Floatables	None
D12	27 Feb 2016	Water Color	Green
D12	27 Feb 2016	Current Direction	W
D12	27 Feb 2016	Wave Height Low (ft)	3
D12	27 Feb 2016	High Tide (ft)	3.6
D12	27 Feb 2016	High Tide Time	1120
D12	27 Feb 2016	Low Tide (ft)	1.2
D12	27 Feb 2016	Low Tide Time	537
D12	27 Feb 2016	Comments	Seagrass; 12 Persons; Water clear

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Feb 2016	4*	6*	6*	4*	4*	7*	4*	3*
02 Feb 2016	4*	6*	6*	4*	4*	7*	4*	3*
03 Feb 2016	5*	7*	7*	5*	4*	7*	5*	4*
04 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
05 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
06 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
07 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
08 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
09 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
10 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
11 Feb 2016	8*	7*	9*	4*	4*	5*	7*	7*
12 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
13 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
14 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
15 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
16 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
17 Feb 2016	5*	8*	5*	4*	4*	4*	10*	11*
18 Feb 2016	5*	8*	4*	2*	2*	2*	10*	12*
19 Feb 2016	5*	8*	4*	2*	2*	2*	10*	12*
20 Feb 2016	12*	5*	3*	3*	2*	2*	8*	9*
21 Feb 2016	12*	5*	3*	3*	2*	2*	8*	9*
22 Feb 2016	12*	5*	3*	3*	2*	2*	8*	9*
23 Feb 2016	18	8	8	3	2	2	8	8
24 Feb 2016	18	8	8	3	2	2	8	8
25 Feb 2016	18	8	8	3	2	2	8	8
26 Feb 2016	18	8	8	3	2	2	8	8
27 Feb 2016	30*	9*	11*	3*	2*	2*	12*	11*
28 Feb 2016	30*	9*	11*	3*	2*	2*	12*	11*
29 Feb 2016	19	13	11	3	3	2	11	10

* 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 2016	2*	2*	2*	2*	2*	2*	2*	2*
02 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
03 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
04 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
05 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
06 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
07 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
08 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
09 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
10 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
11 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
12 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
13 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
14 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
15 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
16 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
17 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
18 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
19 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
20 Feb 2016	3*	2*	2*	2*	2*	2*	2*	2*
21 Feb 2016	3*	2*	2*	2*	2*	2*	2*	2*
22 Feb 2016	3*	2*	2*	2*	2*	2*	2*	2*
23 Feb 2016	4	2	4	2	2	2	2	2
24 Feb 2016	4	2	4	2	2	2	2	2
25 Feb 2016	4	2	4	2	2	2	2	2
26 Feb 2016	4	2	4	2	2	2	2	2
27 Feb 2016	4*	2*	4*	2*	2*	2*	2*	2*
28 Feb 2016	4*	2*	4*	2*	2*	2*	2*	2*
29 Feb 2016	4	3	4	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 2016	2*	2*	2*	2*	2*	2*	2*	2*
02 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
03 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
04 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
05 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
06 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
07 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
08 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
09 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
10 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
11 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
12 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
13 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
14 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
15 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
16 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
17 Feb 2016	2*	2*	2*	2*	2*	2*	2*	2*
18 Feb 2016	3*	2*	2*	2*	2*	2*	2*	2*
19 Feb 2016	3*	2*	2*	2*	2*	2*	2*	2*
20 Feb 2016	12*	3*	3*	2*	2*	2*	2*	2*
21 Feb 2016	12*	3*	3*	2*	2*	2*	2*	2*
22 Feb 2016	8	3*	3*	2*	2*	2*	2*	2*
23 Feb 2016	8	3	3	2	2	2	2	2
24 Feb 2016	8	3	3	2	2	2	2	2
25 Feb 2016	8	3	3	2	2	2	2	2
26 Feb 2016	8	3	3	2	2	2	2	2
27 Feb 2016	10	3*	4*	2*	2*	2*	2*	2*
28 Feb 2016	10	3*	4*	2*	2*	2*	2*	2*
29 Feb 2016	8	3	3	2	2	2	2	2

* Geometric mean calculated using n<5

Table 3.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
04 Feb 2016	IC							
12 Feb 2016	IC							
20 Feb 2016	IC							
23 Feb 2016	IC							
29 Feb 2016	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 2016	IC							
12 Feb 2016	IC							
20 Feb 2016	IC							
23 Feb 2016	IC							
29 Feb 2016	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 2016	IC							
12 Feb 2016	IC							
20 Feb 2016	E	IC						
22 Feb 2016	IC	ns						
23 Feb 2016	IC							
29 Feb 2016	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 2016	IC							
12 Feb 2016	IC							
20 Feb 2016	IC							
23 Feb 2016	IC							
29 Feb 2016	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 2016	755	1	6e	<2	<2	0.33	<0.01	15.0	77.77	7.3	33.58	8.2
A1	04 Feb 2016	755	12	8e	<2	<2	0.25	<0.01	15.0	77.47	7.1	33.58	8.2
A1	04 Feb 2016	755	18	110	2e	10e	0.02	<0.01	14.3	80.43	6.1	33.54	8.1
A1	12 Feb 2016	752	1	2e	<2	<2	1.00	ns	15.1	76.46	7.8	33.57	8.1
A1	12 Feb 2016	752	12	<2	<2	<2	1.00	ns	15.1	74.28	7.8	33.57	8.1
A1	12 Feb 2016	752	18	2e	<2	<2	1.00	ns	15.1	75.60	7.7	33.57	8.1
A1	20 Feb 2016	751	1	<2	<2	1200e	1.00	ns	15.6	85.94	7.7	33.53	8.2
A1	20 Feb 2016	751	12	54	6e	<2	0.11	ns	14.4	68.93	6.7	33.48	8.1
A1	20 Feb 2016	751	18	360e	36e	2200e	0.10	ns	13.8	48.61	6.3	33.44	8.1
A1	22 Feb 2016	1315	1	ns	ns	<2	ns	ns	ns	ns	ns	ns	ns
A1	22 Feb 2016	1315	18	ns	ns	<2	ns	ns	ns	ns	ns	ns	ns
A1	23 Feb 2016	818	1	6e	<2	<2	0.33	ns	15.7	83.86	7.9	33.53	8.1
A1	23 Feb 2016	818	12	110	10e	8e	0.09	ns	14.3	87.29	6.6	33.47	8.1
A1	23 Feb 2016	818	18	100	4e	4e	0.04	ns	14.3	86.09	6.6	33.48	8.1
A1	29 Feb 2016	821	1	<2	<2	<2	1.00	ns	16.6	88.00	7.9	33.55	8.0
A1	29 Feb 2016	821	12	<2	<2	<2	1.00	ns	15.3	84.12	7.3	33.51	8.0
A1	29 Feb 2016	821	18	6e	<2	<2	0.33	ns	15.1	81.75	7.1	33.51	8.0
C4	04 Feb 2016	951	1	<2	<2	<2	1.00	<0.01	15.0	82.08	7.5	33.62	8.2
C4	04 Feb 2016	951	3	<2	<2	<2	1.00	<0.01	15.0	81.91	7.5	33.62	8.2
C4	04 Feb 2016	951	9	<2	<2	<2	1.00	<0.01	14.9	77.56	7.7	33.64	8.2
C4	12 Feb 2016	932	1	<2	<2	<2	1.00	ns	15.3	75.42	7.8	33.55	8.1
C4	12 Feb 2016	932	3	6e	<2	<2	0.33	ns	15.2	75.24	7.8	33.56	8.1
C4	12 Feb 2016	932	9	<2	<2	<2	1.00	ns	15.2	69.76	7.6	33.57	8.1
C4	20 Feb 2016	927	1	14e	<2	<2	0.14	ns	15.9	55.89	7.7	33.55	8.1
C4	20 Feb 2016	927	3	2e	<2	<2	1.00	ns	15.9	57.26	7.5	33.54	8.2
C4	20 Feb 2016	927	9	<2	<2	<2	1.00	ns	15.6	77.67	7.4	33.53	8.2
C4	23 Feb 2016	1022	1	<2	<2	<2	1.00	ns	16.2	79.77	8.1	33.54	8.2
C4	23 Feb 2016	1022	3	<2	<2	<2	1.00	ns	16.1	78.74	8.1	33.54	8.2
C4	23 Feb 2016	1022	9	<2	<2	<2	1.00	ns	15.5	80.09	7.6	33.53	8.2
C4	29 Feb 2016	1052	1	8e	<2	<2	0.25	ns	16.3	82.71	7.8	33.54	8.0
C4	29 Feb 2016	1052	3	<2	<2	<2	1.00	ns	16.3	81.61	7.8	33.54	8.0
C4	29 Feb 2016	1052	9	<2	<2	<2	1.00	ns	16.0	83.45	7.6	33.53	8.0
C5	04 Feb 2016	941	1	2e	<2	<2	1.00	<0.01	15.0	81.32	7.5	33.62	8.2
C5	04 Feb 2016	941	3	<2	<2	<2	1.00	<0.01	15.0	81.14	7.5	33.62	8.2
C5	04 Feb 2016	941	9	<2	<2	<2	1.00	<0.01	15.0	81.02	7.5	33.61	8.2

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C5	12 Feb 2016	920	1	<2	<2	<2	1.00	ns	15.5	72.98	7.8	33.58	8.2
C5	12 Feb 2016	920	3	<2	<2	<2	1.00	ns	15.3	74.96	7.8	33.57	8.2
C5	12 Feb 2016	920	9	4e	<2	<2	0.50	ns	15.2	70.57	7.7	33.57	8.1
C5	20 Feb 2016	916	1	<2	2e	<2	1.00	ns	16.0	66.45	7.5	33.54	8.2
C5	20 Feb 2016	916	3	2e	<2	<2	1.00	ns	15.9	67.59	7.5	33.54	8.2
C5	20 Feb 2016	916	9	<2	2e	<2	1.00	ns	15.7	72.89	7.3	33.53	8.2
C5	23 Feb 2016	1009	1	<2	<2	<2	1.00	ns	16.2	75.60	8.1	33.54	8.2
C5	23 Feb 2016	1009	3	<2	<2	<2	1.00	ns	16.1	75.06	8.0	33.54	8.2
C5	23 Feb 2016	1009	9	2e	<2	<2	1.00	ns	15.5	84.26	7.6	33.52	8.2
C5	29 Feb 2016	1041	1	8e	4e	<2	0.50	ns	16.8	83.11	7.9	33.56	8.1
C5	29 Feb 2016	1041	3	40e	<2	<2	0.05	ns	16.7	82.95	7.9	33.56	8.1
C5	29 Feb 2016	1041	9	<2	<2	<2	1.00	ns	16.1	79.07	7.7	33.54	8.0
A6	04 Feb 2016	826	1	2e	<2	<2	1.00	<0.01	15.1	76.90	7.4	33.59	8.2
A6	04 Feb 2016	826	12	2e	<2	<2	1.00	<0.01	15.1	79.05	7.3	33.59	8.2
A6	04 Feb 2016	826	18	12e	<2	<2	0.17	<0.01	15.0	79.60	7.1	33.59	8.2
A6	12 Feb 2016	819	1	4e	<2	<2	0.50	ns	15.5	80.32	7.8	33.58	8.2
A6	12 Feb 2016	819	12	2e	<2	<2	1.00	ns	15.4	76.99	7.7	33.58	8.2
A6	12 Feb 2016	819	18	48	2e	4e	0.04	ns	15.2	68.16	7.3	33.57	8.1
A6	20 Feb 2016	818	1	<2	<2	4e	1.00	ns	15.9	82.06	7.7	33.54	8.2
A6	20 Feb 2016	818	12	2e	<2	2e	1.00	ns	15.8	82.10	7.8	33.54	8.2
A6	20 Feb 2016	818	18	<2	<2	14e	1.00	ns	15.6	81.59	7.5	33.53	8.2
A6	23 Feb 2016	853	1	<2	<2	<2	1.00	ns	16.2	68.41	7.8	33.53	8.2
A6	23 Feb 2016	853	12	20e	<2	<2	0.10	ns	15.4	82.36	7.2	33.52	8.1
A6	23 Feb 2016	853	18	80e	10e	6e	0.12	ns	14.5	83.81	6.7	33.48	8.1
A6	29 Feb 2016	849	1	60e	4e	<2	0.07	ns	16.6	86.65	7.9	33.55	8.1
A6	29 Feb 2016	849	12	<20	<2	2e	0.10	ns	15.0	82.24	7.1	33.50	8.0
A6	29 Feb 2016	849	18	82	6e	<2	0.07	ns	15.0	82.27	7.1	33.50	8.0
C6	04 Feb 2016	917	1	<2	<2	<2	1.00	<0.01	15.0	84.37	7.6	33.63	8.2
C6	04 Feb 2016	917	3	<2	<2	<2	1.00	<0.01	15.0	84.52	7.7	33.63	8.2
C6	04 Feb 2016	917	9	2e	<2	<2	1.00	<0.01	15.0	85.23	7.7	33.63	8.2
C6	12 Feb 2016	910	1	<2	<2	<2	1.00	ns	15.6	72.01	8.0	33.59	8.2
C6	12 Feb 2016	910	3	<2	<2	<2	1.00	ns	15.6	71.92	8.0	33.59	8.2
C6	12 Feb 2016	910	9	<2	<2	<2	1.00	ns	15.5	61.52	7.8	33.59	8.2
C6	20 Feb 2016	905	1	2e	<2	4e	1.00	ns	15.8	70.39	7.5	33.54	8.2
C6	20 Feb 2016	905	3	2e	<2	<2	1.00	ns	15.8	69.06	7.4	33.54	8.2
C6	20 Feb 2016	905	9	4e	<2	<2	0.50	ns	15.8	70.07	7.3	33.53	8.2
C6	23 Feb 2016	958	1	<2	<2	<2	1.00	ns	16.2	68.99	7.8	33.53	8.2
C6	23 Feb 2016	958	3	<2	<2	<2	1.00	ns	16.2	69.06	7.8	33.53	8.2
C6	23 Feb 2016	958	9	2e	<2	<2	1.00	ns	15.8	74.56	7.4	33.53	8.2
C6	29 Feb 2016	1025	1	6e	2e	<2	0.33	ns	16.8	84.31	8.0	33.56	8.1
C6	29 Feb 2016	1025	3	<2	<2	<2	1.00	ns	16.6	83.37	7.8	33.55	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C6	29 Feb 2016	1025	9	2e	<2	<2	1.00	ns	15.9	81.65	7.8	33.53	8.0
A7	04 Feb 2016	812	1	4e	<2	<2	0.50	<0.01	15.1	78.72	7.3	33.59	8.2
A7	04 Feb 2016	812	12	8e	<2	<2	0.25	<0.01	15.1	79.14	7.1	33.58	8.2
A7	04 Feb 2016	812	18	40	<2	<2	0.05	<0.01	14.7	80.46	6.6	33.57	8.1
A7	12 Feb 2016	804	1	<2	<2	<2	1.00	ns	15.4	81.47	7.9	33.57	8.1
A7	12 Feb 2016	804	12	<2	<2	<2	1.00	ns	15.3	79.07	7.7	33.57	8.1
A7	12 Feb 2016	804	18	2e	<2	<2	1.00	ns	15.2	75.34	7.7	33.57	8.1
A7	20 Feb 2016	805	1	<2	<2	<2	1.00	ns	15.8	82.37	7.8	33.54	8.2
A7	20 Feb 2016	805	12	<2	<2	4e	1.00	ns	15.4	80.69	7.4	33.53	8.2
A7	20 Feb 2016	805	18	2e	<2	12e	1.00	ns	14.8	65.51	6.8	33.50	8.1
A7	23 Feb 2016	838	1	4e	<2	<2	0.50	ns	16.1	77.47	8.0	33.54	8.2
A7	23 Feb 2016	838	12	96	<2	<2	0.02	ns	15.1	83.48	7.1	33.51	8.1
A7	23 Feb 2016	838	18	600	120e	18e	0.20	ns	14.5	83.52	6.6	33.48	8.1
A7	29 Feb 2016	833	1	<20	4e	2e	0.20	ns	16.7	87.68	7.9	33.55	8.1
A7	29 Feb 2016	833	12	<2	<2	<2	1.00	ns	15.2	84.79	7.2	33.50	8.0
A7	29 Feb 2016	833	18	2e	<2	<2	1.00	ns	15.0	84.19	7.1	33.50	8.0
C7	04 Feb 2016	840	1	<2	<2	<2	1.00	<0.01	15.1	76.93	6.8	33.54	8.2
C7	04 Feb 2016	840	12	2e	<2	<2	1.00	<0.01	15.1	78.44	7.4	33.55	8.2
C7	04 Feb 2016	840	18	56	<2	<2	0.04	<0.01	14.6	80.75	6.3	33.59	8.1
C7	12 Feb 2016	838	1	<2	<2	<2	1.00	ns	15.7	81.11	8.0	33.57	8.2
C7	12 Feb 2016	838	12	28e	<2	<2	0.07	ns	15.4	83.16	7.4	33.57	8.1
C7	12 Feb 2016	838	18	50	4e	<2	0.08	ns	15.2	71.12	7.0	33.57	8.1
C7	20 Feb 2016	833	1	2e	<2	<2	1.00	ns	16.0	73.95	7.8	33.53	8.2
C7	20 Feb 2016	833	12	<2	<2	2e	1.00	ns	15.4	67.72	7.0	33.53	8.2
C7	20 Feb 2016	833	18	6e	<2	<2	0.33	ns	15.4	69.40	7.2	33.52	8.1
C7	23 Feb 2016	919	1	2e	<2	<2	1.00	ns	16.2	67.48	7.7	33.52	8.2
C7	23 Feb 2016	919	12	12e	<2	<2	0.17	ns	15.6	75.46	7.2	33.52	8.1
C7	23 Feb 2016	919	18	18e	<2	<2	0.11	ns	15.1	80.88	6.7	33.51	8.1
C7	29 Feb 2016	914	1	<20	<2	<2	0.10	ns	16.6	82.47	7.9	33.56	8.0
C7	29 Feb 2016	914	12	<2	<2	<2	1.00	ns	16.0	80.01	7.5	33.54	8.0
C7	29 Feb 2016	914	18	2e	<2	<2	1.00	ns	15.6	74.99	7.4	33.52	8.0
C8	04 Feb 2016	856	1	4e	<2	<2	0.50	<0.01	15.1	68.11	7.5	33.58	8.2
C8	04 Feb 2016	856	12	36e	<2	<2	0.06	<0.01	14.9	74.11	6.8	33.58	8.2
C8	04 Feb 2016	856	18	66	<2	<2	0.03	<0.01	14.5	75.29	6.4	33.55	8.1
C8	12 Feb 2016	852	1	40	2e	4e	0.05	ns	15.7	82.22	7.8	33.57	8.2
C8	12 Feb 2016	852	12	16e	<2	<2	0.12	ns	15.4	80.21	7.3	33.58	8.1
C8	12 Feb 2016	852	18	<2	<2	<2	1.00	ns	15.2	66.85	7.0	33.57	8.1
C8	20 Feb 2016	846	1	<2	<2	2e	1.00	ns	16.0	77.95	7.7	33.54	8.2
C8	20 Feb 2016	846	12	2e	2e	<2	1.00	ns	15.8	82.87	7.7	33.54	8.2
C8	20 Feb 2016	846	18	8e	<2	<2	0.25	ns	15.3	65.49	7.1	33.52	8.1
C8	23 Feb 2016	931	1	2e	<2	<2	1.00	ns	16.1	75.72	8.0	33.55	8.2

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C8	23 Feb 2016	931	12	2e	<2	<2	1.00	ns	15.7	77.47	7.5	33.53	8.1
C8	23 Feb 2016	931	18	12e	<2	<2	0.17	ns	15.2	74.19	6.9	33.51	8.1
C8	29 Feb 2016	925	1	20e	<2	<2	0.10	ns	16.8	80.63	8.1	33.56	8.1
C8	29 Feb 2016	925	12	<2	<2	<2	1.00	ns	16.1	74.83	7.5	33.55	8.0
C8	29 Feb 2016	925	18	<2	<2	<2	1.00	ns	15.6	44.19	7.1	33.53	8.0

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
A1	22 Feb 2016	1		Resample
A1	22 Feb 2016	18		Resample

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 2016	Depth (m)	18
A1	04 Feb 2016	Arrive Time	755
A1	04 Feb 2016	Depart Time	802
A1	04 Feb 2016	Air Temp (C)	13
A1	04 Feb 2016	Weather	Partly Cloudy
A1	04 Feb 2016	Visibility (mi)	9
A1	04 Feb 2016	Wind Speed (kts)	1
A1	04 Feb 2016	Wind Dir	W
A1	04 Feb 2016	Water Color	Greenish-Blue
A1	04 Feb 2016	Wave Ht Low (ft)	3
A1	04 Feb 2016	Wave Period (sec)	16
A1	04 Feb 2016	Sea State	Calm
A1	04 Feb 2016	High Tide (ft)	5.07
A1	04 Feb 2016	High Tide Time	543
A1	04 Feb 2016	Low Tide (ft)	-0.17
A1	04 Feb 2016	Low Tide Time	1302
A1	04 Feb 2016	Comments	Kelp
A1	12 Feb 2016	Depth (m)	17
A1	12 Feb 2016	Arrive Time	752
A1	12 Feb 2016	Depart Time	758
A1	12 Feb 2016	Air Temp (C)	17
A1	12 Feb 2016	Weather	Clear
A1	12 Feb 2016	Visibility (mi)	5
A1	12 Feb 2016	Wind Speed (kts)	2
A1	12 Feb 2016	Wind Dir	S
A1	12 Feb 2016	Water Color	Brownish-Green
A1	12 Feb 2016	Wave Ht Low (ft)	5
A1	12 Feb 2016	Wave Period (sec)	19
A1	12 Feb 2016	Sea State	Calm
A1	12 Feb 2016	High Tide (ft)	4.46
A1	12 Feb 2016	High Tide Time	1127
A1	12 Feb 2016	Low Tide (ft)	0.78
A1	12 Feb 2016	Low Tide Time	536
A1	12 Feb 2016	Comments	
A1	20 Feb 2016	Depth (m)	20
A1	20 Feb 2016	Arrive Time	751
A1	20 Feb 2016	Depart Time	756
A1	20 Feb 2016	Air Temp (C)	14
A1	20 Feb 2016	Weather	Partly Cloudy
A1	20 Feb 2016	Visibility (mi)	7
A1	20 Feb 2016	Wind Speed (kts)	5
A1	20 Feb 2016	Wind Dir	NE
A1	20 Feb 2016	Water Color	Green
A1	20 Feb 2016	Wave Ht Low (ft)	3
A1	20 Feb 2016	Wave Period (sec)	7
A1	20 Feb 2016	Sea State	Light chop
A1	20 Feb 2016	High Tide (ft)	5.66
A1	20 Feb 2016	High Tide Time	718
A1	20 Feb 2016	Low Tide (ft)	-0.86

Station	Date	Parameter	Value
A1	20 Feb 2016	Low Tide Time	1416
A1	20 Feb 2016	Comments	
A1	22 Feb 2016	Depth (m)	
A1	22 Feb 2016	Arrive Time	1315
A1	22 Feb 2016	Depart Time	1319
A1	22 Feb 2016	Air Temp (C)	15
A1	22 Feb 2016	Weather	Partly Cloudy
A1	22 Feb 2016	Visibility (mi)	8
A1	22 Feb 2016	Wind Speed (kts)	8
A1	22 Feb 2016	Wind Dir	N
A1	22 Feb 2016	Water Color	Bluish-Green
A1	22 Feb 2016	Wave Ht Low (ft)	5
A1	22 Feb 2016	Wave Period (sec)	4
A1	22 Feb 2016	Sea State	Light chop
A1	22 Feb 2016	High Tide (ft)	5.53
A1	22 Feb 2016	High Tide Time	830
A1	22 Feb 2016	Low Tide (ft)	-0.62
A1	22 Feb 2016	Low Tide Time	1514
A1	22 Feb 2016	Comments	resample 1m and 18m; diver on station
A1	23 Feb 2016	Depth (m)	20
A1	23 Feb 2016	Arrive Time	818
A1	23 Feb 2016	Depart Time	830
A1	23 Feb 2016	Air Temp (C)	14
A1	23 Feb 2016	Weather	Fog
A1	23 Feb 2016	Visibility (mi)	3
A1	23 Feb 2016	Wind Speed (kts)	8
A1	23 Feb 2016	Wind Dir	E
A1	23 Feb 2016	Water Color	Brownish-Green
A1	23 Feb 2016	Wave Ht Low (ft)	3
A1	23 Feb 2016	Wave Period (sec)	7
A1	23 Feb 2016	Sea State	Light chop
A1	23 Feb 2016	High Tide (ft)	5.3
A1	23 Feb 2016	High Tide Time	903
A1	23 Feb 2016	Low Tide (ft)	-0.38
A1	23 Feb 2016	Low Tide Time	1541
A1	23 Feb 2016	Comments	Kelp; Lobster floats
A1	29 Feb 2016	Depth (m)	18
A1	29 Feb 2016	Arrive Time	821
A1	29 Feb 2016	Depart Time	824
A1	29 Feb 2016	Air Temp (C)	14
A1	29 Feb 2016	Weather	Fog
A1	29 Feb 2016	Visibility (mi)	3
A1	29 Feb 2016	Wind Speed (kts)	1
A1	29 Feb 2016	Wind Dir	S
A1	29 Feb 2016	Water Color	Bluish-Green
A1	29 Feb 2016	Wave Ht Low (ft)	1
A1	29 Feb 2016	Wave Period (sec)	11
A1	29 Feb 2016	Sea State	Calm
A1	29 Feb 2016	High Tide (ft)	2.59
A1	29 Feb 2016	High Tide Time	1335
A1	29 Feb 2016	Low Tide (ft)	1.42
A1	29 Feb 2016	Low Tide Time	749

Station	Date	Parameter	Value
A1	29 Feb 2016	Comments	Kelp
C4	04 Feb 2016	Depth (m)	10
C4	04 Feb 2016	Arrive Time	951
C4	04 Feb 2016	Depart Time	955
C4	04 Feb 2016	Air Temp (C)	14
C4	04 Feb 2016	Weather	Partly Cloudy
C4	04 Feb 2016	Visibility (mi)	9
C4	04 Feb 2016	Wind Speed (kts)	6
C4	04 Feb 2016	Wind Dir	S
C4	04 Feb 2016	Water Color	Greenish-Blue
C4	04 Feb 2016	Wave Ht Low (ft)	3
C4	04 Feb 2016	Wave Period (sec)	16
C4	04 Feb 2016	Sea State	Wind ripples
C4	04 Feb 2016	High Tide (ft)	5.07
C4	04 Feb 2016	High Tide Time	543
C4	04 Feb 2016	Low Tide (ft)	-0.17
C4	04 Feb 2016	Low Tide Time	1302
C4	04 Feb 2016	Comments	Kelp debris
C4	12 Feb 2016	Depth (m)	11
C4	12 Feb 2016	Arrive Time	932
C4	12 Feb 2016	Depart Time	936
C4	12 Feb 2016	Air Temp (C)	16
C4	12 Feb 2016	Weather	Fog
C4	12 Feb 2016	Visibility (mi)	8
C4	12 Feb 2016	Wind Speed (kts)	4
C4	12 Feb 2016	Wind Dir	E
C4	12 Feb 2016	Water Color	Brownish-Green
C4	12 Feb 2016	Wave Ht Low (ft)	5
C4	12 Feb 2016	Wave Period (sec)	19
C4	12 Feb 2016	Sea State	Calm
C4	12 Feb 2016	High Tide (ft)	4.46
C4	12 Feb 2016	High Tide Time	1127
C4	12 Feb 2016	Low Tide (ft)	0.78
C4	12 Feb 2016	Low Tide Time	536
C4	12 Feb 2016	Comments	Surfers; Kelp debris
C4	20 Feb 2016	Depth (m)	13
C4	20 Feb 2016	Arrive Time	927
C4	20 Feb 2016	Depart Time	933
C4	20 Feb 2016	Air Temp (C)	15
C4	20 Feb 2016	Weather	Partly Cloudy
C4	20 Feb 2016	Visibility (mi)	7
C4	20 Feb 2016	Wind Speed (kts)	13
C4	20 Feb 2016	Wind Dir	W
C4	20 Feb 2016	Water Color	Green
C4	20 Feb 2016	Wave Ht Low (ft)	3
C4	20 Feb 2016	Wave Period (sec)	7
C4	20 Feb 2016	Sea State	Light chop
C4	20 Feb 2016	High Tide (ft)	5.66
C4	20 Feb 2016	High Tide Time	718
C4	20 Feb 2016	Low Tide (ft)	-0.86
C4	20 Feb 2016	Low Tide Time	1416
C4	20 Feb 2016	Comments	Boats on station location so went a little off but still within range; Boats

Station	Date	Parameter	Value
C4	23 Feb 2016	Depth (m)	11
C4	23 Feb 2016	Arrive Time	1022
C4	23 Feb 2016	Depart Time	1028
C4	23 Feb 2016	Air Temp (C)	16
C4	23 Feb 2016	Weather	Haze
C4	23 Feb 2016	Visibility (mi)	6
C4	23 Feb 2016	Wind Speed (kts)	2
C4	23 Feb 2016	Wind Dir	E
C4	23 Feb 2016	Water Color	Green
C4	23 Feb 2016	Wave Ht Low (ft)	3
C4	23 Feb 2016	Wave Period (sec)	7
C4	23 Feb 2016	Sea State	Light chop
C4	23 Feb 2016	High Tide (ft)	5.3
C4	23 Feb 2016	High Tide Time	903
C4	23 Feb 2016	Low Tide (ft)	-0.38
C4	23 Feb 2016	Low Tide Time	1541
C4	23 Feb 2016	Comments	
C4	29 Feb 2016	Depth (m)	11
C4	29 Feb 2016	Arrive Time	1052
C4	29 Feb 2016	Depart Time	1058
C4	29 Feb 2016	Air Temp (C)	14
C4	29 Feb 2016	Weather	Fog
C4	29 Feb 2016	Visibility (mi)	4
C4	29 Feb 2016	Wind Speed (kts)	6
C4	29 Feb 2016	Wind Dir	NW
C4	29 Feb 2016	Water Color	Green
C4	29 Feb 2016	Wave Ht Low (ft)	3
C4	29 Feb 2016	Wave Period (sec)	11
C4	29 Feb 2016	Sea State	Calm
C4	29 Feb 2016	High Tide (ft)	2.59
C4	29 Feb 2016	High Tide Time	1335
C4	29 Feb 2016	Low Tide (ft)	1.42
C4	29 Feb 2016	Low Tide Time	749
C4	29 Feb 2016	Comments	Kelp debris; Boats
C5	04 Feb 2016	Depth (m)	10
C5	04 Feb 2016	Arrive Time	941
C5	04 Feb 2016	Depart Time	945
C5	04 Feb 2016	Air Temp (C)	14
C5	04 Feb 2016	Weather	Partly Cloudy
C5	04 Feb 2016	Visibility (mi)	9
C5	04 Feb 2016	Wind Speed (kts)	2
C5	04 Feb 2016	Wind Dir	NE
C5	04 Feb 2016	Water Color	Greenish-Blue
C5	04 Feb 2016	Wave Ht Low (ft)	3
C5	04 Feb 2016	Wave Period (sec)	16
C5	04 Feb 2016	Sea State	Wind ripples
C5	04 Feb 2016	High Tide (ft)	5.07
C5	04 Feb 2016	High Tide Time	543
C5	04 Feb 2016	Low Tide (ft)	-0.17
C5	04 Feb 2016	Low Tide Time	1302
C5	04 Feb 2016	Comments	

Station	Date	Parameter	Value
C5	12 Feb 2016	Depth (m)	12
C5	12 Feb 2016	Arrive Time	920
C5	12 Feb 2016	Depart Time	924
C5	12 Feb 2016	Air Temp (C)	17
C5	12 Feb 2016	Weather	Fog
C5	12 Feb 2016	Visibility (mi)	5
C5	12 Feb 2016	Wind Speed (kts)	2
C5	12 Feb 2016	Wind Dir	N
C5	12 Feb 2016	Water Color	Brownish-Green
C5	12 Feb 2016	Wave Ht Low (ft)	5
C5	12 Feb 2016	Wave Period (sec)	19
C5	12 Feb 2016	Sea State	Calm
C5	12 Feb 2016	High Tide (ft)	4.46
C5	12 Feb 2016	High Tide Time	1127
C5	12 Feb 2016	Low Tide (ft)	0.78
C5	12 Feb 2016	Low Tide Time	536
C5	12 Feb 2016	Comments	Kelp debris; Lobster floats
C5	20 Feb 2016	Depth (m)	13
C5	20 Feb 2016	Arrive Time	916
C5	20 Feb 2016	Depart Time	919
C5	20 Feb 2016	Air Temp (C)	15
C5	20 Feb 2016	Weather	Partly Cloudy
C5	20 Feb 2016	Visibility (mi)	7
C5	20 Feb 2016	Wind Speed (kts)	3
C5	20 Feb 2016	Wind Dir	E
C5	20 Feb 2016	Water Color	Green
C5	20 Feb 2016	Wave Ht Low (ft)	3
C5	20 Feb 2016	Wave Period (sec)	7
C5	20 Feb 2016	Sea State	Light chop
C5	20 Feb 2016	High Tide (ft)	5.66
C5	20 Feb 2016	High Tide Time	718
C5	20 Feb 2016	Low Tide (ft)	-0.86
C5	20 Feb 2016	Low Tide Time	1416
C5	20 Feb 2016	Comments	Lobster floats; Kelp debris
C5	23 Feb 2016	Depth (m)	10
C5	23 Feb 2016	Arrive Time	1009
C5	23 Feb 2016	Depart Time	1012
C5	23 Feb 2016	Air Temp (C)	15
C5	23 Feb 2016	Weather	Fog
C5	23 Feb 2016	Visibility (mi)	4
C5	23 Feb 2016	Wind Speed (kts)	2
C5	23 Feb 2016	Wind Dir	N
C5	23 Feb 2016	Water Color	Green
C5	23 Feb 2016	Wave Ht Low (ft)	3
C5	23 Feb 2016	Wave Period (sec)	7
C5	23 Feb 2016	Sea State	Light chop
C5	23 Feb 2016	High Tide (ft)	5.3
C5	23 Feb 2016	High Tide Time	903
C5	23 Feb 2016	Low Tide (ft)	-0.38
C5	23 Feb 2016	Low Tide Time	1541
C5	23 Feb 2016	Comments	Kelp debris; Lobster floats
C5	29 Feb 2016	Depth (m)	10

Station	Date	Parameter	Value
C5	29 Feb 2016	Arrive Time	1041
C5	29 Feb 2016	Depart Time	1043
C5	29 Feb 2016	Air Temp (C)	14
C5	29 Feb 2016	Weather	Fog
C5	29 Feb 2016	Visibility (mi)	4
C5	29 Feb 2016	Wind Speed (kts)	2
C5	29 Feb 2016	Wind Dir	SE
C5	29 Feb 2016	Water Color	Green
C5	29 Feb 2016	Wave Ht Low (ft)	3
C5	29 Feb 2016	Wave Period (sec)	11
C5	29 Feb 2016	Sea State	Calm
C5	29 Feb 2016	High Tide (ft)	2.59
C5	29 Feb 2016	High Tide Time	1335
C5	29 Feb 2016	Low Tide (ft)	1.42
C5	29 Feb 2016	Low Tide Time	749
C5	29 Feb 2016	Comments	Kelp; Lobster floats
A6	04 Feb 2016	Depth (m)	16
A6	04 Feb 2016	Arrive Time	826
A6	04 Feb 2016	Depart Time	831
A6	04 Feb 2016	Air Temp (C)	13
A6	04 Feb 2016	Weather	Partly Cloudy
A6	04 Feb 2016	Visibility (mi)	9
A6	04 Feb 2016	Wind Speed (kts)	0
A6	04 Feb 2016	Wind Dir	
A6	04 Feb 2016	Water Color	Greenish-Blue
A6	04 Feb 2016	Wave Ht Low (ft)	3
A6	04 Feb 2016	Wave Period (sec)	16
A6	04 Feb 2016	Sea State	Wind ripples
A6	04 Feb 2016	High Tide (ft)	5.07
A6	04 Feb 2016	High Tide Time	543
A6	04 Feb 2016	Low Tide (ft)	-0.17
A6	04 Feb 2016	Low Tide Time	1302
A6	04 Feb 2016	Comments	Kelp
A6	12 Feb 2016	Depth (m)	17
A6	12 Feb 2016	Arrive Time	819
A6	12 Feb 2016	Depart Time	827
A6	12 Feb 2016	Air Temp (C)	16
A6	12 Feb 2016	Weather	Clear
A6	12 Feb 2016	Visibility (mi)	8
A6	12 Feb 2016	Wind Speed (kts)	2
A6	12 Feb 2016	Wind Dir	N
A6	12 Feb 2016	Water Color	Brownish-Green
A6	12 Feb 2016	Wave Ht Low (ft)	5
A6	12 Feb 2016	Wave Period (sec)	19
A6	12 Feb 2016	Sea State	Calm
A6	12 Feb 2016	High Tide (ft)	4.46
A6	12 Feb 2016	High Tide Time	1127
A6	12 Feb 2016	Low Tide (ft)	0.78
A6	12 Feb 2016	Low Tide Time	536
A6	12 Feb 2016	Comments	Kelp; Unable to obtain depth on first cast; Second cast ok
A6	20 Feb 2016	Depth (m)	19
A6	20 Feb 2016	Arrive Time	818

Station	Date	Parameter	Value
A6	20 Feb 2016	Depart Time	822
A6	20 Feb 2016	Air Temp (C)	15
A6	20 Feb 2016	Weather	Partly Cloudy
A6	20 Feb 2016	Visibility (mi)	7
A6	20 Feb 2016	Wind Speed (kts)	0
A6	20 Feb 2016	Wind Dir	
A6	20 Feb 2016	Water Color	Green
A6	20 Feb 2016	Wave Ht Low (ft)	3
A6	20 Feb 2016	Wave Period (sec)	7
A6	20 Feb 2016	Sea State	Light chop
A6	20 Feb 2016	High Tide (ft)	5.66
A6	20 Feb 2016	High Tide Time	718
A6	20 Feb 2016	Low Tide (ft)	-0.86
A6	20 Feb 2016	Low Tide Time	1416
A6	20 Feb 2016	Comments	Kelp; Lobster floats
A6	23 Feb 2016	Depth (m)	17
A6	23 Feb 2016	Arrive Time	853
A6	23 Feb 2016	Depart Time	904
A6	23 Feb 2016	Air Temp (C)	14
A6	23 Feb 2016	Weather	Fog
A6	23 Feb 2016	Visibility (mi)	4
A6	23 Feb 2016	Wind Speed (kts)	6
A6	23 Feb 2016	Wind Dir	N
A6	23 Feb 2016	Water Color	Green
A6	23 Feb 2016	Wave Ht Low (ft)	3
A6	23 Feb 2016	Wave Period (sec)	7
A6	23 Feb 2016	Sea State	Light chop
A6	23 Feb 2016	High Tide (ft)	5.3
A6	23 Feb 2016	High Tide Time	903
A6	23 Feb 2016	Low Tide (ft)	-0.38
A6	23 Feb 2016	Low Tide Time	1541
A6	23 Feb 2016	Comments	Kelp
A6	29 Feb 2016	Depth (m)	18
A6	29 Feb 2016	Arrive Time	849
A6	29 Feb 2016	Depart Time	903
A6	29 Feb 2016	Air Temp (C)	14
A6	29 Feb 2016	Weather	Fog
A6	29 Feb 2016	Visibility (mi)	3
A6	29 Feb 2016	Wind Speed (kts)	1
A6	29 Feb 2016	Wind Dir	N
A6	29 Feb 2016	Water Color	Bluish-Green
A6	29 Feb 2016	Wave Ht Low (ft)	1
A6	29 Feb 2016	Wave Period (sec)	11
A6	29 Feb 2016	Sea State	Calm
A6	29 Feb 2016	High Tide (ft)	2.59
A6	29 Feb 2016	High Tide Time	1335
A6	29 Feb 2016	Low Tide (ft)	1.42
A6	29 Feb 2016	Low Tide Time	749
A6	29 Feb 2016	Comments	Kelp
C6	04 Feb 2016	Depth (m)	9
C6	04 Feb 2016	Arrive Time	917
C6	04 Feb 2016	Depart Time	933

Station	Date	Parameter	Value
C6	04 Feb 2016	Air Temp (C)	14
C6	04 Feb 2016	Weather	Partly Cloudy
C6	04 Feb 2016	Visibility (mi)	9
C6	04 Feb 2016	Wind Speed (kts)	5
C6	04 Feb 2016	Wind Dir	W
C6	04 Feb 2016	Water Color	Greenish-Blue
C6	04 Feb 2016	Wave Ht Low (ft)	3
C6	04 Feb 2016	Wave Period (sec)	16
C6	04 Feb 2016	Sea State	Wind ripples
C6	04 Feb 2016	High Tide (ft)	5.07
C6	04 Feb 2016	High Tide Time	543
C6	04 Feb 2016	Low Tide (ft)	-0.17
C6	04 Feb 2016	Low Tide Time	1302
C6	04 Feb 2016	Comments	Kelp
C6	12 Feb 2016	Depth (m)	10
C6	12 Feb 2016	Arrive Time	910
C6	12 Feb 2016	Depart Time	914
C6	12 Feb 2016	Air Temp (C)	17
C6	12 Feb 2016	Weather	Fog
C6	12 Feb 2016	Visibility (mi)	5
C6	12 Feb 2016	Wind Speed (kts)	1
C6	12 Feb 2016	Wind Dir	NE
C6	12 Feb 2016	Water Color	Brownish-Green
C6	12 Feb 2016	Wave Ht Low (ft)	5
C6	12 Feb 2016	Wave Period (sec)	19
C6	12 Feb 2016	Sea State	Calm
C6	12 Feb 2016	High Tide (ft)	4.46
C6	12 Feb 2016	High Tide Time	1127
C6	12 Feb 2016	Low Tide (ft)	0.78
C6	12 Feb 2016	Low Tide Time	536
C6	12 Feb 2016	Comments	Kelp
C6	20 Feb 2016	Depth (m)	9
C6	20 Feb 2016	Arrive Time	905
C6	20 Feb 2016	Depart Time	908
C6	20 Feb 2016	Air Temp (C)	15
C6	20 Feb 2016	Weather	Partly Cloudy
C6	20 Feb 2016	Visibility (mi)	7
C6	20 Feb 2016	Wind Speed (kts)	2
C6	20 Feb 2016	Wind Dir	N
C6	20 Feb 2016	Water Color	Green
C6	20 Feb 2016	Wave Ht Low (ft)	3
C6	20 Feb 2016	Wave Period (sec)	7
C6	20 Feb 2016	Sea State	Light chop
C6	20 Feb 2016	High Tide (ft)	5.66
C6	20 Feb 2016	High Tide Time	718
C6	20 Feb 2016	Low Tide (ft)	-0.86
C6	20 Feb 2016	Low Tide Time	1416
C6	20 Feb 2016	Comments	Boats; Kelp debris
C6	23 Feb 2016	Depth (m)	9
C6	23 Feb 2016	Arrive Time	958
C6	23 Feb 2016	Depart Time	1001
C6	23 Feb 2016	Air Temp (C)	15

Station	Date	Parameter	Value
C6	23 Feb 2016	Weather	Fog
C6	23 Feb 2016	Visibility (mi)	4
C6	23 Feb 2016	Wind Speed (kts)	5
C6	23 Feb 2016	Wind Dir	N
C6	23 Feb 2016	Water Color	Green
C6	23 Feb 2016	Wave Ht Low (ft)	3
C6	23 Feb 2016	Wave Period (sec)	7
C6	23 Feb 2016	Sea State	Light chop
C6	23 Feb 2016	High Tide (ft)	5.3
C6	23 Feb 2016	High Tide Time	903
C6	23 Feb 2016	Low Tide (ft)	-0.38
C6	23 Feb 2016	Low Tide Time	1541
C6	23 Feb 2016	Comments	Kelp debris
C6	29 Feb 2016	Depth (m)	8
C6	29 Feb 2016	Arrive Time	1025
C6	29 Feb 2016	Depart Time	1032
C6	29 Feb 2016	Air Temp (C)	14
C6	29 Feb 2016	Weather	Fog
C6	29 Feb 2016	Visibility (mi)	4
C6	29 Feb 2016	Wind Speed (kts)	3
C6	29 Feb 2016	Wind Dir	NE
C6	29 Feb 2016	Water Color	Green
C6	29 Feb 2016	Wave Ht Low (ft)	1
C6	29 Feb 2016	Wave Period (sec)	11
C6	29 Feb 2016	Sea State	Calm
C6	29 Feb 2016	High Tide (ft)	2.59
C6	29 Feb 2016	High Tide Time	1335
C6	29 Feb 2016	Low Tide (ft)	1.42
C6	29 Feb 2016	Low Tide Time	749
C6	29 Feb 2016	Comments	Kelp debris
A7	04 Feb 2016	Depth (m)	19
A7	04 Feb 2016	Arrive Time	812
A7	04 Feb 2016	Depart Time	816
A7	04 Feb 2016	Air Temp (C)	14
A7	04 Feb 2016	Weather	Partly Cloudy
A7	04 Feb 2016	Visibility (mi)	9
A7	04 Feb 2016	Wind Speed (kts)	6
A7	04 Feb 2016	Wind Dir	SE
A7	04 Feb 2016	Water Color	Greenish-Blue
A7	04 Feb 2016	Wave Ht Low (ft)	3
A7	04 Feb 2016	Wave Period (sec)	16
A7	04 Feb 2016	Sea State	Wind ripples
A7	04 Feb 2016	High Tide (ft)	5.07
A7	04 Feb 2016	High Tide Time	543
A7	04 Feb 2016	Low Tide (ft)	-0.17
A7	04 Feb 2016	Low Tide Time	1302
A7	04 Feb 2016	Comments	Kelp
A7	12 Feb 2016	Depth (m)	19
A7	12 Feb 2016	Arrive Time	804
A7	12 Feb 2016	Depart Time	811
A7	12 Feb 2016	Air Temp (C)	17
A7	12 Feb 2016	Weather	Clear

Station	Date	Parameter	Value
A7	12 Feb 2016	Visibility (mi)	8
A7	12 Feb 2016	Wind Speed (kts)	0
A7	12 Feb 2016	Wind Dir	
A7	12 Feb 2016	Water Color	Brownish-Green
A7	12 Feb 2016	Wave Ht Low (ft)	5
A7	12 Feb 2016	Wave Period (sec)	19
A7	12 Feb 2016	Sea State	Calm
A7	12 Feb 2016	High Tide (ft)	4.46
A7	12 Feb 2016	High Tide Time	1127
A7	12 Feb 2016	Low Tide (ft)	0.78
A7	12 Feb 2016	Low Tide Time	536
A7	12 Feb 2016	Comments	Kelp
A7	20 Feb 2016	Depth (m)	19
A7	20 Feb 2016	Arrive Time	805
A7	20 Feb 2016	Depart Time	809
A7	20 Feb 2016	Air Temp (C)	15
A7	20 Feb 2016	Weather	Partly Cloudy
A7	20 Feb 2016	Visibility (mi)	7
A7	20 Feb 2016	Wind Speed (kts)	1
A7	20 Feb 2016	Wind Dir	W
A7	20 Feb 2016	Water Color	Green
A7	20 Feb 2016	Wave Ht Low (ft)	3
A7	20 Feb 2016	Wave Period (sec)	7
A7	20 Feb 2016	Sea State	Light chop
A7	20 Feb 2016	High Tide (ft)	5.66
A7	20 Feb 2016	High Tide Time	718
A7	20 Feb 2016	Low Tide (ft)	-0.86
A7	20 Feb 2016	Low Tide Time	1416
A7	20 Feb 2016	Comments	
A7	23 Feb 2016	Depth (m)	19
A7	23 Feb 2016	Arrive Time	838
A7	23 Feb 2016	Depart Time	842
A7	23 Feb 2016	Air Temp (C)	14
A7	23 Feb 2016	Weather	Fog
A7	23 Feb 2016	Visibility (mi)	3
A7	23 Feb 2016	Wind Speed (kts)	8
A7	23 Feb 2016	Wind Dir	NE
A7	23 Feb 2016	Water Color	Greenish-Brown
A7	23 Feb 2016	Wave Ht Low (ft)	3
A7	23 Feb 2016	Wave Period (sec)	7
A7	23 Feb 2016	Sea State	Light chop
A7	23 Feb 2016	High Tide (ft)	5.3
A7	23 Feb 2016	High Tide Time	903
A7	23 Feb 2016	Low Tide (ft)	-0.38
A7	23 Feb 2016	Low Tide Time	1541
A7	23 Feb 2016	Comments	Kelp
A7	29 Feb 2016	Depth (m)	19
A7	29 Feb 2016	Arrive Time	833
A7	29 Feb 2016	Depart Time	838
A7	29 Feb 2016	Air Temp (C)	14
A7	29 Feb 2016	Weather	Fog
A7	29 Feb 2016	Visibility (mi)	3

Station	Date	Parameter	Value
A7	29 Feb 2016	Wind Speed (kts)	0
A7	29 Feb 2016	Wind Dir	
A7	29 Feb 2016	Water Color	Bluish-Green
A7	29 Feb 2016	Wave Ht Low (ft)	1
A7	29 Feb 2016	Wave Period (sec)	11
A7	29 Feb 2016	Sea State	Calm
A7	29 Feb 2016	High Tide (ft)	2.59
A7	29 Feb 2016	High Tide Time	1335
A7	29 Feb 2016	Low Tide (ft)	1.42
A7	29 Feb 2016	Low Tide Time	749
A7	29 Feb 2016	Comments	Kelp; Lobster floats
C7	04 Feb 2016	Depth (m)	18
C7	04 Feb 2016	Arrive Time	840
C7	04 Feb 2016	Depart Time	848
C7	04 Feb 2016	Air Temp (C)	13
C7	04 Feb 2016	Weather	Partly Cloudy
C7	04 Feb 2016	Visibility (mi)	9
C7	04 Feb 2016	Wind Speed (kts)	0
C7	04 Feb 2016	Wind Dir	
C7	04 Feb 2016	Water Color	Greenish-Blue
C7	04 Feb 2016	Wave Ht Low (ft)	3
C7	04 Feb 2016	Wave Period (sec)	16
C7	04 Feb 2016	Sea State	Wind ripples
C7	04 Feb 2016	High Tide (ft)	5.07
C7	04 Feb 2016	High Tide Time	543
C7	04 Feb 2016	Low Tide (ft)	-0.17
C7	04 Feb 2016	Low Tide Time	1302
C7	04 Feb 2016	Comments	Kelp
C7	12 Feb 2016	Depth (m)	19
C7	12 Feb 2016	Arrive Time	838
C7	12 Feb 2016	Depart Time	843
C7	12 Feb 2016	Air Temp (C)	16
C7	12 Feb 2016	Weather	Clear
C7	12 Feb 2016	Visibility (mi)	8
C7	12 Feb 2016	Wind Speed (kts)	2
C7	12 Feb 2016	Wind Dir	E
C7	12 Feb 2016	Water Color	Brownish-Green
C7	12 Feb 2016	Wave Ht Low (ft)	5
C7	12 Feb 2016	Wave Period (sec)	19
C7	12 Feb 2016	Sea State	Calm
C7	12 Feb 2016	High Tide (ft)	4.46
C7	12 Feb 2016	High Tide Time	1127
C7	12 Feb 2016	Low Tide (ft)	0.78
C7	12 Feb 2016	Low Tide Time	536
C7	12 Feb 2016	Comments	Kelp
C7	20 Feb 2016	Depth (m)	19
C7	20 Feb 2016	Arrive Time	833
C7	20 Feb 2016	Depart Time	837
C7	20 Feb 2016	Air Temp (C)	14
C7	20 Feb 2016	Weather	Partly Cloudy
C7	20 Feb 2016	Visibility (mi)	7
C7	20 Feb 2016	Wind Speed (kts)	1

Station	Date	Parameter	Value
C7	20 Feb 2016	Wind Dir	N
C7	20 Feb 2016	Water Color	Green
C7	20 Feb 2016	Wave Ht Low (ft)	3
C7	20 Feb 2016	Wave Period (sec)	7
C7	20 Feb 2016	Sea State	Light chop
C7	20 Feb 2016	High Tide (ft)	5.66
C7	20 Feb 2016	High Tide Time	718
C7	20 Feb 2016	Low Tide (ft)	-0.86
C7	20 Feb 2016	Low Tide Time	1416
C7	20 Feb 2016	Comments	Kelp; Boats
C7	23 Feb 2016	Depth (m)	19
C7	23 Feb 2016	Arrive Time	919
C7	23 Feb 2016	Depart Time	923
C7	23 Feb 2016	Air Temp (C)	14
C7	23 Feb 2016	Weather	Fog
C7	23 Feb 2016	Visibility (mi)	4
C7	23 Feb 2016	Wind Speed (kts)	5
C7	23 Feb 2016	Wind Dir	W
C7	23 Feb 2016	Water Color	Green
C7	23 Feb 2016	Wave Ht Low (ft)	3
C7	23 Feb 2016	Wave Period (sec)	7
C7	23 Feb 2016	Sea State	Light chop
C7	23 Feb 2016	High Tide (ft)	5.3
C7	23 Feb 2016	High Tide Time	903
C7	23 Feb 2016	Low Tide (ft)	-0.38
C7	23 Feb 2016	Low Tide Time	1541
C7	23 Feb 2016	Comments	Kelp
C7	29 Feb 2016	Depth (m)	18
C7	29 Feb 2016	Arrive Time	914
C7	29 Feb 2016	Depart Time	917
C7	29 Feb 2016	Air Temp (C)	15
C7	29 Feb 2016	Weather	Fog
C7	29 Feb 2016	Visibility (mi)	4
C7	29 Feb 2016	Wind Speed (kts)	2
C7	29 Feb 2016	Wind Dir	SE
C7	29 Feb 2016	Water Color	Green
C7	29 Feb 2016	Wave Ht Low (ft)	1
C7	29 Feb 2016	Wave Period (sec)	11
C7	29 Feb 2016	Sea State	Calm
C7	29 Feb 2016	High Tide (ft)	2.59
C7	29 Feb 2016	High Tide Time	1335
C7	29 Feb 2016	Low Tide (ft)	1.42
C7	29 Feb 2016	Low Tide Time	749
C7	29 Feb 2016	Comments	Kelp
C8	04 Feb 2016	Depth (m)	20
C8	04 Feb 2016	Arrive Time	856
C8	04 Feb 2016	Depart Time	903
C8	04 Feb 2016	Air Temp (C)	11
C8	04 Feb 2016	Weather	Partly Cloudy
C8	04 Feb 2016	Visibility (mi)	9
C8	04 Feb 2016	Wind Speed (kts)	7
C8	04 Feb 2016	Wind Dir	N

Station	Date	Parameter	Value
C8	04 Feb 2016	Water Color	Greenish-Blue
C8	04 Feb 2016	Wave Ht Low (ft)	3
C8	04 Feb 2016	Wave Period (sec)	16
C8	04 Feb 2016	Sea State	Wind ripples
C8	04 Feb 2016	High Tide (ft)	5.07
C8	04 Feb 2016	High Tide Time	543
C8	04 Feb 2016	Low Tide (ft)	-0.17
C8	04 Feb 2016	Low Tide Time	1302
C8	04 Feb 2016	Comments	Kelp
C8	12 Feb 2016	Depth (m)	19
C8	12 Feb 2016	Arrive Time	852
C8	12 Feb 2016	Depart Time	859
C8	12 Feb 2016	Air Temp (C)	16
C8	12 Feb 2016	Weather	Clear
C8	12 Feb 2016	Visibility (mi)	8
C8	12 Feb 2016	Wind Speed (kts)	1
C8	12 Feb 2016	Wind Dir	NE
C8	12 Feb 2016	Water Color	Brownish-Green
C8	12 Feb 2016	Wave Ht Low (ft)	5
C8	12 Feb 2016	Wave Period (sec)	19
C8	12 Feb 2016	Sea State	Calm
C8	12 Feb 2016	High Tide (ft)	4.46
C8	12 Feb 2016	High Tide Time	1127
C8	12 Feb 2016	Low Tide (ft)	0.78
C8	12 Feb 2016	Low Tide Time	536
C8	12 Feb 2016	Comments	Kelp debris; Lobster floats
C8	20 Feb 2016	Depth (m)	20
C8	20 Feb 2016	Arrive Time	846
C8	20 Feb 2016	Depart Time	849
C8	20 Feb 2016	Air Temp (C)	14
C8	20 Feb 2016	Weather	Partly Cloudy
C8	20 Feb 2016	Visibility (mi)	7
C8	20 Feb 2016	Wind Speed (kts)	2
C8	20 Feb 2016	Wind Dir	S
C8	20 Feb 2016	Water Color	Green
C8	20 Feb 2016	Wave Ht Low (ft)	3
C8	20 Feb 2016	Wave Period (sec)	7
C8	20 Feb 2016	Sea State	Light chop
C8	20 Feb 2016	High Tide (ft)	5.66
C8	20 Feb 2016	High Tide Time	718
C8	20 Feb 2016	Low Tide (ft)	-0.86
C8	20 Feb 2016	Low Tide Time	1416
C8	20 Feb 2016	Comments	Lobster floats
C8	23 Feb 2016	Depth (m)	20
C8	23 Feb 2016	Arrive Time	931
C8	23 Feb 2016	Depart Time	941
C8	23 Feb 2016	Air Temp (C)	15
C8	23 Feb 2016	Weather	Fog
C8	23 Feb 2016	Visibility (mi)	4
C8	23 Feb 2016	Wind Speed (kts)	1
C8	23 Feb 2016	Wind Dir	E
C8	23 Feb 2016	Water Color	Green

Station	Date	Parameter	Value
C8	23 Feb 2016	Wave Ht Low (ft)	3
C8	23 Feb 2016	Wave Period (sec)	7
C8	23 Feb 2016	Sea State	Light chop
C8	23 Feb 2016	High Tide (ft)	5.3
C8	23 Feb 2016	High Tide Time	903
C8	23 Feb 2016	Low Tide (ft)	-0.38
C8	23 Feb 2016	Low Tide Time	1541
C8	23 Feb 2016	Comments	Kelp; Lobster floats
C8	29 Feb 2016	Depth (m)	18
C8	29 Feb 2016	Arrive Time	925
C8	29 Feb 2016	Depart Time	928
C8	29 Feb 2016	Air Temp (C)	15
C8	29 Feb 2016	Weather	Fog
C8	29 Feb 2016	Visibility (mi)	4
C8	29 Feb 2016	Wind Speed (kts)	2
C8	29 Feb 2016	Wind Dir	SW
C8	29 Feb 2016	Water Color	Green
C8	29 Feb 2016	Wave Ht Low (ft)	1
C8	29 Feb 2016	Wave Period (sec)	11
C8	29 Feb 2016	Sea State	Calm
C8	29 Feb 2016	High Tide (ft)	2.59
C8	29 Feb 2016	High Tide Time	1335
C8	29 Feb 2016	Low Tide (ft)	1.42
C8	29 Feb 2016	Low Tide Time	749
C8	29 Feb 2016	Comments	Kelp; Lobster floats

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 2016	1	14.98	77.77	7.3	33.58	8.2	24.9	1.55
A1	04 Feb 2016	2	14.98	77.92	7.3	33.58	8.2	24.9	1.58
A1	04 Feb 2016	3	14.98	78.10	7.3	33.58	8.2	24.9	1.65
A1	04 Feb 2016	4	14.98	78.04	7.3	33.58	8.2	24.9	1.70
A1	04 Feb 2016	5	14.98	77.97	7.3	33.58	8.2	24.9	1.71
A1	04 Feb 2016	6	14.98	78.10	7.3	33.58	8.2	24.9	1.72
A1	04 Feb 2016	7	14.98	77.98	7.3	33.58	8.2	24.9	1.70
A1	04 Feb 2016	8	14.97	77.85	7.2	33.58	8.2	24.9	1.67
A1	04 Feb 2016	9	14.97	77.80	7.2	33.58	8.2	24.9	1.64
A1	04 Feb 2016	10	14.97	77.72	7.2	33.58	8.2	24.9	1.63
A1	04 Feb 2016	11	14.96	77.56	7.2	33.58	8.2	24.9	1.59
A1	04 Feb 2016	12	14.96	77.47	7.1	33.58	8.2	24.9	1.55
A1	04 Feb 2016	13	14.95	77.33	7.1	33.58	8.2	24.9	1.45
A1	04 Feb 2016	14	14.93	77.39	6.9	33.58	8.2	24.9	1.19
A1	04 Feb 2016	15	14.79	77.89	6.6	33.57	8.2	24.9	0.96
A1	04 Feb 2016	16	14.60	78.91	6.3	33.55	8.1	24.9	0.82
A1	04 Feb 2016	17	14.39	80.22	6.3	33.54	8.1	25.0	0.75
A1	04 Feb 2016	18	14.35	80.43	6.1	33.54	8.1	25.0	0.66
A1	04 Feb 2016	19	14.22	80.24	6.1	33.53	8.1	25.0	0.66
A1	12 Feb 2016	1	15.12	76.46	7.8	33.57	8.1	24.8	2.50
A1	12 Feb 2016	2	15.11	76.28	7.9	33.57	8.1	24.8	2.61
A1	12 Feb 2016	3	15.11	76.21	7.8	33.57	8.1	24.8	2.48
A1	12 Feb 2016	4	15.11	76.01	7.8	33.57	8.1	24.8	2.83
A1	12 Feb 2016	5	15.11	68.50	7.8	33.57	8.1	24.8	2.75
A1	12 Feb 2016	6	15.11	68.24	7.8	33.57	8.1	24.8	2.84
A1	12 Feb 2016	7	15.11	66.14	7.8	33.57	8.1	24.8	2.85
A1	12 Feb 2016	8	15.11	71.83	7.8	33.57	8.1	24.8	2.90
A1	12 Feb 2016	9	15.11	73.03	7.8	33.57	8.1	24.8	3.07
A1	12 Feb 2016	10	15.11	72.90	7.8	33.57	8.1	24.8	3.08
A1	12 Feb 2016	11	15.11	73.97	7.8	33.57	8.1	24.8	3.01
A1	12 Feb 2016	12	15.11	74.28	7.8	33.57	8.1	24.8	3.06
A1	12 Feb 2016	13	15.11	74.11	7.8	33.57	8.1	24.8	2.82
A1	12 Feb 2016	14	15.11	74.41	7.8	33.57	8.1	24.8	2.92
A1	12 Feb 2016	15	15.11	73.83	7.7	33.57	8.1	24.8	2.93
A1	12 Feb 2016	16	15.11	75.45	7.8	33.57	8.1	24.8	2.98
A1	12 Feb 2016	17	15.11	75.38	7.8	33.57	8.1	24.8	2.86
A1	12 Feb 2016	18	15.11	75.60	7.7	33.57	8.1	24.8	2.70
A1	20 Feb 2016	1	15.62	85.94	7.7	33.53	8.2	24.7	0.90
A1	20 Feb 2016	2	15.51	85.81	7.6	33.53	8.2	24.7	0.90
A1	20 Feb 2016	3	15.39	85.67	7.4	33.53	8.2	24.8	0.95
A1	20 Feb 2016	4	15.27	84.74	7.3	33.52	8.2	24.8	1.02
A1	20 Feb 2016	5	15.18	83.21	7.2	33.52	8.1	24.8	1.04
A1	20 Feb 2016	6	15.07	79.22	7.1	33.51	8.1	24.8	0.98
A1	20 Feb 2016	7	14.93	76.79	7.0	33.51	8.1	24.8	0.94
A1	20 Feb 2016	8	14.96	76.10	7.0	33.50	8.1	24.8	0.96
A1	20 Feb 2016	9	14.83	74.53	7.0	33.50	8.1	24.9	0.95
A1	20 Feb 2016	10	14.75	73.05	6.9	33.49	8.1	24.9	0.95
A1	20 Feb 2016	11	14.75	73.44	6.8	33.49	8.1	24.9	0.93
A1	20 Feb 2016	12	14.43	68.93	6.7	33.48	8.1	24.9	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A1	20 Feb 2016	13	14.29	67.16	6.6	33.47	8.1	24.9	0.77
A1	20 Feb 2016	14	14.14	65.37	6.5	33.46	8.1	25.0	0.72
A1	20 Feb 2016	15	13.99	64.15	6.5	33.45	8.1	25.0	0.62
A1	20 Feb 2016	16	13.91	60.98	6.4	33.45	8.1	25.0	0.62
A1	20 Feb 2016	17	13.83	55.41	6.3	33.45	8.1	25.0	0.59
A1	20 Feb 2016	18	13.83	48.61	6.3	33.44	8.1	25.0	0.59
A1	20 Feb 2016	19	13.84	46.54	6.3	33.45	8.1	25.0	0.59
A1	23 Feb 2016	1	15.71	83.86	7.9	33.53	8.1	24.7	1.56
A1	23 Feb 2016	2	15.64	83.94	7.8	33.53	8.1	24.7	1.62
A1	23 Feb 2016	3	15.38	83.73	7.5	33.53	8.1	24.8	1.89
A1	23 Feb 2016	4	15.09	84.44	7.2	33.52	8.1	24.8	1.95
A1	23 Feb 2016	5	14.98	85.33	7.1	33.51	8.1	24.8	1.75
A1	23 Feb 2016	6	14.67	85.13	6.8	33.49	8.1	24.9	1.41
A1	23 Feb 2016	7	14.44	85.22	6.8	33.48	8.1	24.9	1.01
A1	23 Feb 2016	8	14.49	86.67	6.7	33.48	8.1	24.9	0.90
A1	23 Feb 2016	9	14.29	86.90	6.7	33.47	8.1	24.9	0.74
A1	23 Feb 2016	10	14.28	85.94	6.7	33.47	8.1	24.9	0.67
A1	23 Feb 2016	11	14.26	86.98	6.6	33.47	8.1	25.0	0.65
A1	23 Feb 2016	12	14.26	87.29	6.6	33.47	8.1	25.0	0.65
A1	23 Feb 2016	13	14.26	87.25	6.6	33.47	8.1	25.0	0.64
A1	23 Feb 2016	14	14.25	86.74	6.6	33.47	8.1	25.0	0.67
A1	23 Feb 2016	15	14.25	86.61	6.6	33.48	8.1	25.0	0.67
A1	23 Feb 2016	16	14.25	86.13	6.5	33.48	8.1	25.0	0.68
A1	23 Feb 2016	17	14.25	86.16	6.6	33.48	8.1	25.0	0.69
A1	23 Feb 2016	18	14.26	86.09	6.6	33.48	8.1	25.0	0.68
A1	23 Feb 2016	19	14.26	85.90	6.5	33.48	8.1	25.0	0.67
A1	29 Feb 2016	1	16.65	88.00	7.9	33.55	8.0	24.5	0.46
A1	29 Feb 2016	2	16.63	88.01	7.9	33.55	8.0	24.5	0.48
A1	29 Feb 2016	3	16.57	88.28	7.9	33.54	8.0	24.5	0.49
A1	29 Feb 2016	4	16.41	88.28	7.9	33.53	8.0	24.5	0.51
A1	29 Feb 2016	5	16.24	88.15	7.9	33.53	8.0	24.6	0.57
A1	29 Feb 2016	6	16.01	87.94	7.8	33.52	8.0	24.6	0.67
A1	29 Feb 2016	7	15.74	86.69	7.6	33.51	8.0	24.7	0.89
A1	29 Feb 2016	8	15.51	85.35	7.5	33.51	8.0	24.7	1.14
A1	29 Feb 2016	9	15.47	85.29	7.4	33.51	8.0	24.7	1.27
A1	29 Feb 2016	10	15.42	84.33	7.4	33.51	8.0	24.7	1.33
A1	29 Feb 2016	11	15.34	84.30	7.4	33.51	8.0	24.7	1.41
A1	29 Feb 2016	12	15.29	84.12	7.3	33.51	8.0	24.8	1.48
A1	29 Feb 2016	13	15.25	84.07	7.3	33.51	8.0	24.8	1.59
A1	29 Feb 2016	14	15.22	83.89	7.3	33.51	8.0	24.8	1.59
A1	29 Feb 2016	15	15.15	82.89	7.2	33.51	8.0	24.8	1.47
A1	29 Feb 2016	16	15.10	82.07	7.1	33.51	8.0	24.8	1.32
A1	29 Feb 2016	17	15.11	81.66	7.1	33.51	8.0	24.8	1.26
A1	29 Feb 2016	18	15.11	81.75	7.1	33.51	8.0	24.8	1.24
C4	04 Feb 2016	1	15.03	82.08	7.5	33.62	8.2	24.9	0.53
C4	04 Feb 2016	2	15.03	81.95	7.5	33.62	8.2	24.9	0.57
C4	04 Feb 2016	3	15.02	81.91	7.5	33.62	8.2	24.9	0.64
C4	04 Feb 2016	4	15.02	81.84	7.4	33.62	8.2	24.9	0.75
C4	04 Feb 2016	5	15.00	81.47	7.5	33.62	8.2	24.9	0.82
C4	04 Feb 2016	6	15.00	81.53	7.5	33.62	8.2	24.9	0.90
C4	04 Feb 2016	7	14.99	81.31	7.5	33.62	8.2	24.9	0.96
C4	04 Feb 2016	8	14.97	80.97	7.7	33.63	8.2	24.9	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C4	04 Feb 2016	9	14.93	77.56	7.7	33.64	8.2	24.9	0.82
C4	12 Feb 2016	1	15.28	75.42	7.8	33.55	8.1	24.8	1.09
C4	12 Feb 2016	2	15.27	75.60	7.8	33.56	8.1	24.8	1.13
C4	12 Feb 2016	3	15.23	75.24	7.8	33.56	8.1	24.8	1.33
C4	12 Feb 2016	4	15.22	75.26	7.8	33.56	8.1	24.8	1.71
C4	12 Feb 2016	5	15.20	75.40	7.7	33.56	8.1	24.8	1.93
C4	12 Feb 2016	6	15.17	74.68	7.7	33.57	8.1	24.8	2.00
C4	12 Feb 2016	7	15.16	74.23	7.7	33.57	8.1	24.8	2.10
C4	12 Feb 2016	8	15.15	72.89	7.6	33.57	8.1	24.8	2.00
C4	12 Feb 2016	9	15.15	69.76	7.6	33.57	8.1	24.8	1.93
C4	12 Feb 2016	10	15.16	65.71	7.6	33.57	8.1	24.8	2.06
C4	12 Feb 2016	11	15.16	60.08	7.6	33.57	8.1	24.8	2.00
C4	20 Feb 2016	1	15.93	55.89	7.7	33.55	8.1	24.6	0.73
C4	20 Feb 2016	2	15.89	56.20	7.6	33.54	8.2	24.7	0.85
C4	20 Feb 2016	3	15.87	57.26	7.5	33.54	8.2	24.7	0.98
C4	20 Feb 2016	4	15.86	57.75	7.5	33.54	8.2	24.7	1.05
C4	20 Feb 2016	5	15.84	60.16	7.4	33.54	8.2	24.7	1.01
C4	20 Feb 2016	6	15.78	64.76	7.4	33.54	8.2	24.7	0.98
C4	20 Feb 2016	7	15.74	71.51	7.5	33.54	8.2	24.7	0.95
C4	20 Feb 2016	8	15.67	77.08	7.4	33.54	8.2	24.7	0.94
C4	20 Feb 2016	9	15.57	77.67	7.4	33.53	8.2	24.7	0.93
C4	20 Feb 2016	10	15.58	77.78	7.4	33.53	8.2	24.7	0.93
C4	20 Feb 2016	11	15.56	77.68	7.4	33.53	8.2	24.7	0.93
C4	23 Feb 2016	1	16.25	79.77	8.1	33.54	8.2	24.6	0.82
C4	23 Feb 2016	2	16.24	79.56	8.1	33.54	8.2	24.6	0.88
C4	23 Feb 2016	3	16.13	78.74	8.1	33.54	8.2	24.6	1.02
C4	23 Feb 2016	4	16.10	77.40	8.0	33.54	8.2	24.6	1.18
C4	23 Feb 2016	5	16.03	76.02	8.0	33.54	8.2	24.6	1.39
C4	23 Feb 2016	6	15.93	76.95	8.0	33.53	8.2	24.6	1.58
C4	23 Feb 2016	7	15.89	78.46	7.9	33.53	8.2	24.6	1.62
C4	23 Feb 2016	8	15.83	79.51	7.7	33.53	8.2	24.7	1.57
C4	23 Feb 2016	9	15.53	80.09	7.6	33.53	8.2	24.7	1.28
C4	23 Feb 2016	10	15.45	82.77	7.5	33.52	8.1	24.7	0.97
C4	23 Feb 2016	11	15.45	85.59	7.5	33.52	8.1	24.7	0.87
C4	29 Feb 2016	1	16.32	82.71	7.8	33.54	8.0	24.6	0.48
C4	29 Feb 2016	2	16.35	82.43	7.7	33.54	8.0	24.5	0.50
C4	29 Feb 2016	3	16.32	81.61	7.8	33.54	8.0	24.6	0.57
C4	29 Feb 2016	4	16.26	83.13	7.7	33.54	8.0	24.6	0.60
C4	29 Feb 2016	5	16.24	83.09	7.7	33.54	8.0	24.6	0.62
C4	29 Feb 2016	6	16.19	84.03	7.7	33.53	8.0	24.6	0.63
C4	29 Feb 2016	7	16.13	86.33	7.7	33.52	8.1	24.6	0.58
C4	29 Feb 2016	8	16.01	86.84	7.6	33.53	8.0	24.6	0.54
C4	29 Feb 2016	9	15.99	83.45	7.6	33.53	8.0	24.6	0.50
C4	29 Feb 2016	10	16.00	82.49	7.6	33.53	8.0	24.6	0.49
C5	04 Feb 2016	1	15.01	81.32	7.5	33.62	8.2	24.9	0.59
C5	04 Feb 2016	2	15.01	81.19	7.5	33.62	8.2	24.9	0.62
C5	04 Feb 2016	3	15.00	81.14	7.5	33.62	8.2	24.9	0.66
C5	04 Feb 2016	4	15.01	81.12	7.4	33.62	8.2	24.9	0.71
C5	04 Feb 2016	5	14.99	81.29	7.4	33.61	8.2	24.9	0.76
C5	04 Feb 2016	6	14.98	81.37	7.4	33.61	8.2	24.9	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C5	04 Feb 2016	7	14.97	81.34	7.4	33.61	8.2	24.9	0.80
C5	04 Feb 2016	8	14.97	81.20	7.4	33.61	8.2	24.9	0.79
C5	04 Feb 2016	9	14.97	81.02	7.5	33.61	8.2	24.9	0.80
C5	12 Feb 2016	1	15.50	72.98	7.8	33.58	8.2	24.8	0.73
C5	12 Feb 2016	2	15.36	74.42	7.8	33.57	8.2	24.8	0.87
C5	12 Feb 2016	3	15.28	74.96	7.8	33.57	8.2	24.8	1.15
C5	12 Feb 2016	4	15.26	74.00	7.8	33.57	8.2	24.8	1.50
C5	12 Feb 2016	5	15.25	74.14	7.8	33.57	8.2	24.8	1.67
C5	12 Feb 2016	6	15.24	72.99	7.7	33.57	8.2	24.8	1.79
C5	12 Feb 2016	7	15.24	71.55	7.7	33.57	8.2	24.8	1.76
C5	12 Feb 2016	8	15.24	71.58	7.7	33.57	8.2	24.8	1.71
C5	12 Feb 2016	9	15.24	70.57	7.7	33.57	8.1	24.8	1.72
C5	12 Feb 2016	10	15.24	68.81	7.7	33.57	8.1	24.8	1.73
C5	12 Feb 2016	11	15.24	66.31	7.7	33.57	8.1	24.8	1.78
C5	20 Feb 2016	1	15.98	66.45	7.5	33.54	8.2	24.6	0.86
C5	20 Feb 2016	2	15.95	66.64	7.5	33.54	8.2	24.6	0.91
C5	20 Feb 2016	3	15.93	67.59	7.5	33.54	8.2	24.6	1.04
C5	20 Feb 2016	4	15.91	69.17	7.5	33.54	8.2	24.6	1.11
C5	20 Feb 2016	5	15.90	70.47	7.5	33.54	8.2	24.6	1.09
C5	20 Feb 2016	6	15.87	71.05	7.5	33.54	8.2	24.7	1.05
C5	20 Feb 2016	7	15.82	72.11	7.4	33.54	8.2	24.7	1.05
C5	20 Feb 2016	8	15.73	73.73	7.4	33.53	8.2	24.7	1.04
C5	20 Feb 2016	9	15.71	72.89	7.3	33.53	8.2	24.7	1.04
C5	20 Feb 2016	10	15.60	69.00	7.2	33.53	8.2	24.7	1.07
C5	20 Feb 2016	11	15.48	67.55	7.2	33.53	8.2	24.7	1.14
C5	23 Feb 2016	1	16.19	75.60	8.1	33.54	8.2	24.6	0.96
C5	23 Feb 2016	2	16.15	75.63	8.1	33.54	8.2	24.6	1.05
C5	23 Feb 2016	3	16.09	75.06	8.0	33.54	8.2	24.6	1.23
C5	23 Feb 2016	4	16.03	74.83	8.0	33.53	8.2	24.6	1.42
C5	23 Feb 2016	5	15.85	76.49	8.0	33.53	8.2	24.7	1.59
C5	23 Feb 2016	6	15.77	79.14	7.9	33.53	8.2	24.7	1.55
C5	23 Feb 2016	7	15.67	80.79	7.8	33.53	8.2	24.7	1.32
C5	23 Feb 2016	8	15.60	83.14	7.7	33.52	8.2	24.7	1.05
C5	23 Feb 2016	9	15.46	84.26	7.6	33.52	8.2	24.7	0.78
C5	23 Feb 2016	10	15.43	84.55	7.6	33.52	8.2	24.7	0.66
C5	29 Feb 2016	1	16.75	83.11	7.9	33.56	8.1	24.5	0.52
C5	29 Feb 2016	2	16.73	82.82	7.9	33.56	8.1	24.5	0.53
C5	29 Feb 2016	3	16.68	82.95	7.9	33.56	8.1	24.5	0.55
C5	29 Feb 2016	4	16.67	82.70	7.9	33.55	8.1	24.5	0.57
C5	29 Feb 2016	5	16.55	82.30	7.8	33.55	8.1	24.5	0.58
C5	29 Feb 2016	6	16.41	81.60	7.8	33.55	8.1	24.5	0.59
C5	29 Feb 2016	7	16.28	80.74	7.7	33.54	8.0	24.6	0.61
C5	29 Feb 2016	8	16.12	80.07	7.7	33.54	8.0	24.6	0.65
C5	29 Feb 2016	9	16.11	79.07	7.7	33.54	8.0	24.6	0.67
C5	29 Feb 2016	10	16.11	78.40	7.7	33.54	8.0	24.6	0.69
C5	29 Feb 2016	11	16.11	78.42	7.7	33.54	8.0	24.6	0.68
A6	04 Feb 2016	1	15.09	76.90	7.4	33.59	8.2	24.9	1.17
A6	04 Feb 2016	2	15.09	78.57	7.4	33.59	8.2	24.9	1.29
A6	04 Feb 2016	3	15.09	79.05	7.3	33.59	8.2	24.9	1.48
A6	04 Feb 2016	4	15.09	78.96	7.4	33.59	8.2	24.9	1.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A6	04 Feb 2016	5	15.09	78.92	7.4	33.59	8.2	24.9	1.70
A6	04 Feb 2016	6	15.09	78.99	7.4	33.59	8.2	24.9	1.78
A6	04 Feb 2016	7	15.09	78.96	7.4	33.59	8.2	24.9	1.82
A6	04 Feb 2016	8	15.08	78.76	7.4	33.59	8.2	24.9	1.82
A6	04 Feb 2016	9	15.08	78.82	7.3	33.59	8.2	24.9	1.80
A6	04 Feb 2016	10	15.08	79.03	7.3	33.59	8.2	24.9	1.76
A6	04 Feb 2016	11	15.08	79.08	7.3	33.59	8.2	24.9	1.70
A6	04 Feb 2016	12	15.05	79.05	7.3	33.59	8.2	24.9	1.62
A6	04 Feb 2016	13	15.04	78.77	7.2	33.60	8.2	24.9	1.54
A6	04 Feb 2016	14	15.04	78.52	7.3	33.60	8.2	24.9	1.48
A6	04 Feb 2016	15	15.02	78.59	7.3	33.60	8.2	24.9	1.35
A6	04 Feb 2016	16	15.02	78.70	7.2	33.60	8.2	24.9	1.21
A6	04 Feb 2016	17	14.98	79.59	7.2	33.59	8.2	24.9	1.17
A6	04 Feb 2016	18	14.97	79.60	7.1	33.59	8.2	24.9	1.09
A6	04 Feb 2016	19	14.96	79.86	7.1	33.59	8.2	24.9	1.09
A6	12 Feb 2016	1	15.49	80.32	7.8	33.58	8.2	24.8	1.11
A6	12 Feb 2016	2	15.49	80.10	7.8	33.58	8.2	24.8	1.21
A6	12 Feb 2016	3	15.49	80.11	7.8	33.58	8.2	24.8	1.23
A6	12 Feb 2016	4	15.48	80.09	7.8	33.58	8.2	24.8	1.38
A6	12 Feb 2016	5	15.47	79.32	7.8	33.58	8.2	24.8	1.42
A6	12 Feb 2016	6	15.47	78.78	7.8	33.58	8.2	24.8	1.38
A6	12 Feb 2016	7	15.46	78.85	7.7	33.58	8.2	24.8	1.40
A6	12 Feb 2016	8	15.46	78.60	7.7	33.58	8.2	24.8	1.46
A6	12 Feb 2016	9	15.46	78.43	7.7	33.58	8.2	24.8	1.44
A6	12 Feb 2016	10	15.47	78.56	7.8	33.58	8.2	24.8	1.43
A6	12 Feb 2016	11	15.45	78.57	7.8	33.58	8.2	24.8	1.38
A6	12 Feb 2016	12	15.43	76.99	7.7	33.58	8.2	24.8	1.38
A6	12 Feb 2016	13	15.41	76.73	7.6	33.58	8.1	24.8	1.45
A6	12 Feb 2016	14	15.38	75.45	7.6	33.58	8.1	24.8	1.47
A6	12 Feb 2016	15	15.36	74.59	7.5	33.58	8.1	24.8	1.43
A6	12 Feb 2016	16	15.30	73.80	7.4	33.57	8.1	24.8	1.61
A6	12 Feb 2016	17	15.25	68.86	7.4	33.57	8.1	24.8	1.57
A6	12 Feb 2016	18	15.23	68.16	7.3	33.57	8.1	24.8	1.51
A6	20 Feb 2016	1	15.86	82.06	7.7	33.54	8.2	24.7	1.26
A6	20 Feb 2016	2	15.85	82.09	7.7	33.54	8.2	24.7	1.36
A6	20 Feb 2016	3	15.85	82.36	7.7	33.54	8.2	24.7	1.47
A6	20 Feb 2016	4	15.85	82.01	7.7	33.54	8.2	24.7	1.55
A6	20 Feb 2016	5	15.85	82.44	7.7	33.54	8.2	24.7	1.62
A6	20 Feb 2016	6	15.85	82.48	7.7	33.54	8.2	24.7	1.83
A6	20 Feb 2016	7	15.84	82.60	7.4	33.54	8.2	24.7	1.70
A6	20 Feb 2016	8	15.84	82.51	6.8	33.54	8.2	24.7	1.68
A6	20 Feb 2016	9	15.84	80.37	7.2	33.54	8.2	24.7	1.72
A6	20 Feb 2016	10	15.84	79.14	7.8	33.54	8.2	24.7	1.84
A6	20 Feb 2016	11	15.83	80.54	7.8	33.54	8.2	24.7	1.85
A6	20 Feb 2016	12	15.82	82.10	7.8	33.54	8.2	24.7	1.83
A6	20 Feb 2016	13	15.82	82.45	7.7	33.54	8.2	24.7	1.82
A6	20 Feb 2016	14	15.81	81.98	7.7	33.54	8.2	24.7	1.82
A6	20 Feb 2016	15	15.80	81.76	7.7	33.54	8.2	24.7	1.83
A6	20 Feb 2016	16	15.77	81.83	7.7	33.54	8.2	24.7	1.83
A6	20 Feb 2016	17	15.71	82.09	7.7	33.54	8.2	24.7	1.82
A6	20 Feb 2016	18	15.65	81.59	7.5	33.53	8.2	24.7	1.75
A6	23 Feb 2016	1	16.20	68.41	7.8	33.53	8.2	24.6	2.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A6	23 Feb 2016	2	16.20	68.44	7.8	33.53	8.2	24.6	2.47
A6	23 Feb 2016	3	16.20	68.21	7.8	33.53	8.2	24.6	2.88
A6	23 Feb 2016	4	16.16	68.57	7.8	33.53	8.2	24.6	3.03
A6	23 Feb 2016	5	16.08	69.81	7.7	33.53	8.1	24.6	3.02
A6	23 Feb 2016	6	16.00	71.64	7.7	33.53	8.1	24.6	2.90
A6	23 Feb 2016	7	15.92	74.04	7.5	33.53	8.1	24.6	2.79
A6	23 Feb 2016	8	15.73	78.00	7.4	33.52	8.1	24.7	2.43
A6	23 Feb 2016	9	15.60	79.81	7.4	33.52	8.1	24.7	2.15
A6	23 Feb 2016	10	15.55	81.21	7.3	33.52	8.1	24.7	1.98
A6	23 Feb 2016	11	15.48	81.91	7.2	33.52	8.1	24.7	1.88
A6	23 Feb 2016	12	15.40	82.36	7.2	33.52	8.1	24.7	1.73
A6	23 Feb 2016	13	15.20	83.59	7.1	33.52	8.1	24.8	1.58
A6	23 Feb 2016	14	14.94	84.31	7.0	33.51	8.1	24.8	1.45
A6	23 Feb 2016	15	14.80	84.46	6.9	33.50	8.1	24.9	1.31
A6	23 Feb 2016	16	14.74	84.34	6.8	33.49	8.1	24.9	1.23
A6	23 Feb 2016	17	14.68	84.26	6.8	33.49	8.1	24.9	1.16
A6	23 Feb 2016	18	14.53	83.81	6.7	33.48	8.1	24.9	1.05
A6	23 Feb 2016	19	14.46	83.42	6.7	33.48	8.1	24.9	0.95
A6	29 Feb 2016	1	16.64	86.65	7.9	33.55	8.1	24.5	0.45
A6	29 Feb 2016	2	16.64	86.59	7.9	33.55	8.1	24.5	0.45
A6	29 Feb 2016	3	16.46	87.00	7.9	33.54	8.1	24.5	0.47
A6	29 Feb 2016	4	16.29	87.13	7.9	33.53	8.1	24.6	0.50
A6	29 Feb 2016	5	16.14	87.11	7.9	33.53	8.1	24.6	0.55
A6	29 Feb 2016	6	15.92	86.91	7.8	33.52	8.0	24.6	0.65
A6	29 Feb 2016	7	15.81	86.36	7.7	33.52	8.0	24.6	0.78
A6	29 Feb 2016	8	15.73	85.92	7.6	33.52	8.0	24.7	0.96
A6	29 Feb 2016	9	15.59	85.15	7.6	33.51	8.0	24.7	1.17
A6	29 Feb 2016	10	15.46	84.18	7.4	33.50	8.0	24.7	1.34
A6	29 Feb 2016	11	15.22	83.37	7.3	33.50	8.0	24.8	1.47
A6	29 Feb 2016	12	15.04	82.24	7.1	33.50	8.0	24.8	1.51
A6	29 Feb 2016	13	14.97	82.24	7.1	33.50	8.0	24.8	1.49
A6	29 Feb 2016	14	14.97	82.31	7.0	33.50	8.0	24.8	1.51
A6	29 Feb 2016	15	14.97	82.30	7.0	33.50	8.0	24.8	1.51
A6	29 Feb 2016	16	14.99	82.35	7.1	33.50	8.0	24.8	1.53
A6	29 Feb 2016	17	15.00	82.40	7.1	33.50	8.0	24.8	1.50
A6	29 Feb 2016	18	15.01	82.27	7.1	33.50	8.0	24.8	1.54
A6	29 Feb 2016	19	15.02	82.41	7.1	33.50	8.0	24.8	1.51
C6	04 Feb 2016	1	15.03	84.37	7.6	33.63	8.2	24.9	0.51
C6	04 Feb 2016	2	15.03	84.24	7.6	33.63	8.2	24.9	0.54
C6	04 Feb 2016	3	15.02	84.52	7.7	33.63	8.2	24.9	0.57
C6	04 Feb 2016	4	15.02	84.45	7.6	33.63	8.2	24.9	0.59
C6	04 Feb 2016	5	15.02	84.51	7.6	33.63	8.2	24.9	0.62
C6	04 Feb 2016	6	15.00	84.68	7.7	33.63	8.2	24.9	0.64
C6	04 Feb 2016	7	15.00	84.81	7.7	33.63	8.2	24.9	0.63
C6	04 Feb 2016	8	15.01	84.98	7.7	33.63	8.2	24.9	0.60
C6	04 Feb 2016	9	15.01	85.23	7.7	33.63	8.2	24.9	0.58
C6	12 Feb 2016	1	15.63	72.01	8.0	33.59	8.2	24.7	0.83
C6	12 Feb 2016	2	15.61	71.58	8.0	33.59	8.2	24.8	0.89
C6	12 Feb 2016	3	15.60	71.92	8.0	33.59	8.2	24.8	1.00
C6	12 Feb 2016	4	15.59	71.75	7.9	33.59	8.2	24.8	1.12
C6	12 Feb 2016	5	15.57	70.75	7.9	33.59	8.2	24.8	1.10
C6	12 Feb 2016	6	15.57	70.50	7.9	33.59	8.2	24.8	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C6	12 Feb 2016	7	15.55	69.35	7.8	33.59	8.2	24.8	1.06
C6	12 Feb 2016	8	15.54	66.82	7.8	33.59	8.2	24.8	1.02
C6	12 Feb 2016	9	15.54	61.52	7.8	33.59	8.2	24.8	1.02
C6	12 Feb 2016	10	15.54	59.76	7.7	33.59	8.2	24.8	1.04
C6	20 Feb 2016	1	15.85	70.39	7.5	33.54	8.2	24.7	0.74
C6	20 Feb 2016	2	15.84	70.07	7.4	33.54	8.2	24.7	0.79
C6	20 Feb 2016	3	15.82	69.06	7.4	33.54	8.2	24.7	0.90
C6	20 Feb 2016	4	15.81	68.99	7.4	33.54	8.2	24.7	1.01
C6	20 Feb 2016	5	15.78	68.03	7.4	33.54	8.2	24.7	1.05
C6	20 Feb 2016	6	15.77	68.56	7.4	33.53	8.2	24.7	1.06
C6	20 Feb 2016	7	15.76	69.77	7.4	33.53	8.2	24.7	1.04
C6	20 Feb 2016	8	15.77	70.13	7.3	33.53	8.2	24.7	1.01
C6	20 Feb 2016	9	15.77	70.07	7.3	33.53	8.2	24.7	1.00
C6	20 Feb 2016	10	15.77	69.46	7.4	33.53	8.2	24.7	0.99
C6	23 Feb 2016	1	16.23	68.99	7.8	33.53	8.2	24.6	1.16
C6	23 Feb 2016	2	16.22	68.96	7.8	33.53	8.2	24.6	1.24
C6	23 Feb 2016	3	16.20	69.06	7.8	33.53	8.2	24.6	1.54
C6	23 Feb 2016	4	16.17	68.76	7.8	33.53	8.2	24.6	1.91
C6	23 Feb 2016	5	16.15	68.95	7.8	33.53	8.2	24.6	2.22
C6	23 Feb 2016	6	16.13	69.74	7.8	33.53	8.2	24.6	2.37
C6	23 Feb 2016	7	16.12	69.93	7.8	33.53	8.2	24.6	2.44
C6	23 Feb 2016	8	16.02	70.59	7.5	33.53	8.2	24.6	2.20
C6	23 Feb 2016	9	15.83	74.56	7.4	33.53	8.2	24.7	1.73
C6	29 Feb 2016	1	16.76	84.31	8.0	33.56	8.1	24.5	0.58
C6	29 Feb 2016	2	16.68	84.12	8.0	33.56	8.1	24.5	0.62
C6	29 Feb 2016	3	16.59	83.37	7.8	33.55	8.1	24.5	0.66
C6	29 Feb 2016	4	16.39	83.06	7.7	33.55	8.1	24.5	0.65
C6	29 Feb 2016	5	16.28	82.92	7.7	33.54	8.0	24.6	0.65
C6	29 Feb 2016	6	16.17	82.93	7.7	33.54	8.0	24.6	0.63
C6	29 Feb 2016	7	16.11	82.58	7.6	33.53	8.0	24.6	0.63
C6	29 Feb 2016	8	15.96	82.21	7.7	33.53	8.0	24.6	0.61
C6	29 Feb 2016	9	15.92	81.65	7.8	33.53	8.0	24.6	0.62
C6	29 Feb 2016	10	15.91	80.62	7.8	33.53	8.0	24.6	0.62
A7	04 Feb 2016	1	15.08	78.72	7.3	33.59	8.2	24.9	1.52
A7	04 Feb 2016	2	15.08	78.93	7.3	33.59	8.2	24.9	1.55
A7	04 Feb 2016	3	15.08	79.05	7.3	33.59	8.2	24.9	1.64
A7	04 Feb 2016	4	15.08	79.07	7.3	33.59	8.2	24.9	1.72
A7	04 Feb 2016	5	15.08	79.05	7.3	33.59	8.2	24.9	1.78
A7	04 Feb 2016	6	15.08	79.10	7.3	33.59	8.2	24.9	1.76
A7	04 Feb 2016	7	15.08	79.10	7.2	33.59	8.2	24.9	1.75
A7	04 Feb 2016	8	15.07	79.11	7.2	33.59	8.2	24.9	1.75
A7	04 Feb 2016	9	15.07	79.09	7.3	33.59	8.2	24.9	1.76
A7	04 Feb 2016	10	15.07	79.07	7.2	33.59	8.2	24.9	1.72
A7	04 Feb 2016	11	15.06	79.12	7.1	33.59	8.2	24.9	1.66
A7	04 Feb 2016	12	15.05	79.14	7.1	33.58	8.2	24.9	1.67
A7	04 Feb 2016	13	15.05	79.14	7.1	33.58	8.2	24.9	1.53
A7	04 Feb 2016	14	15.01	79.31	7.0	33.58	8.2	24.9	1.42
A7	04 Feb 2016	15	14.97	79.35	7.0	33.58	8.2	24.9	1.34
A7	04 Feb 2016	16	14.96	79.70	7.0	33.58	8.2	24.9	1.19
A7	04 Feb 2016	17	14.88	79.91	6.7	33.58	8.2	24.9	0.98
A7	04 Feb 2016	18	14.73	80.46	6.6	33.57	8.1	24.9	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A7	04 Feb 2016	19	14.64	80.54	6.6	33.56	8.1	24.9	0.93
A7	12 Feb 2016	1	15.43	81.47	7.9	33.57	8.1	24.8	1.95
A7	12 Feb 2016	2	15.44	81.40	7.9	33.57	8.2	24.8	1.90
A7	12 Feb 2016	3	15.43	81.39	7.9	33.57	8.2	24.8	2.06
A7	12 Feb 2016	4	15.42	81.38	7.9	33.57	8.2	24.8	2.21
A7	12 Feb 2016	5	15.42	80.52	7.8	33.57	8.2	24.8	2.34
A7	12 Feb 2016	6	15.40	80.65	7.8	33.57	8.1	24.8	2.32
A7	12 Feb 2016	7	15.37	80.67	7.8	33.57	8.1	24.8	2.22
A7	12 Feb 2016	8	15.36	80.50	7.8	33.57	8.1	24.8	2.24
A7	12 Feb 2016	9	15.33	80.30	7.8	33.57	8.1	24.8	2.16
A7	12 Feb 2016	10	15.30	79.96	7.8	33.57	8.1	24.8	2.00
A7	12 Feb 2016	11	15.27	79.58	7.8	33.57	8.1	24.8	2.00
A7	12 Feb 2016	12	15.26	79.07	7.7	33.57	8.1	24.8	2.03
A7	12 Feb 2016	13	15.25	78.67	7.8	33.57	8.1	24.8	2.01
A7	12 Feb 2016	14	15.24	78.57	7.8	33.57	8.1	24.8	1.97
A7	12 Feb 2016	15	15.24	78.05	7.8	33.57	8.1	24.8	2.12
A7	12 Feb 2016	16	15.24	77.90	7.8	33.57	8.1	24.8	1.92
A7	12 Feb 2016	17	15.24	76.45	7.7	33.57	8.1	24.8	1.84
A7	12 Feb 2016	18	15.24	75.34	7.7	33.57	8.1	24.8	1.91
A7	20 Feb 2016	1	15.85	82.37	7.8	33.54	8.2	24.7	1.15
A7	20 Feb 2016	2	15.85	82.39	7.8	33.54	8.2	24.7	1.22
A7	20 Feb 2016	3	15.84	83.15	7.8	33.54	8.2	24.7	1.32
A7	20 Feb 2016	4	15.84	83.35	7.9	33.54	8.2	24.7	1.39
A7	20 Feb 2016	5	15.83	83.31	7.8	33.54	8.2	24.7	1.41
A7	20 Feb 2016	6	15.83	83.13	7.9	33.54	8.2	24.7	1.44
A7	20 Feb 2016	7	15.80	83.61	7.8	33.54	8.2	24.7	1.48
A7	20 Feb 2016	8	15.80	83.64	7.8	33.54	8.2	24.7	1.53
A7	20 Feb 2016	9	15.76	83.62	7.8	33.54	8.2	24.7	1.57
A7	20 Feb 2016	10	15.72	83.61	7.7	33.54	8.2	24.7	1.57
A7	20 Feb 2016	11	15.57	82.85	7.5	33.53	8.2	24.7	1.55
A7	20 Feb 2016	12	15.36	80.69	7.4	33.53	8.2	24.8	1.42
A7	20 Feb 2016	13	15.40	77.91	7.3	33.52	8.2	24.7	1.38
A7	20 Feb 2016	14	15.09	75.95	7.1	33.52	8.2	24.8	1.29
A7	20 Feb 2016	15	15.00	74.32	7.0	33.51	8.1	24.8	1.20
A7	20 Feb 2016	16	14.97	72.82	7.0	33.51	8.1	24.8	1.13
A7	20 Feb 2016	17	14.98	71.06	7.0	33.51	8.1	24.8	1.10
A7	20 Feb 2016	18	14.80	65.51	6.8	33.50	8.1	24.9	1.04
A7	20 Feb 2016	19	14.76	60.42	6.8	33.49	8.1	24.9	1.00
A7	23 Feb 2016	1	16.11	77.47	8.0	33.54	8.2	24.6	1.75
A7	23 Feb 2016	2	16.09	78.45	8.0	33.54	8.2	24.6	1.94
A7	23 Feb 2016	3	16.08	78.77	8.0	33.54	8.2	24.6	2.18
A7	23 Feb 2016	4	16.02	78.79	7.8	33.54	8.2	24.6	2.35
A7	23 Feb 2016	5	15.90	79.03	7.8	33.54	8.2	24.6	2.65
A7	23 Feb 2016	6	15.80	79.63	7.6	33.53	8.2	24.7	2.84
A7	23 Feb 2016	7	15.57	80.47	7.5	33.53	8.2	24.7	2.89
A7	23 Feb 2016	8	15.46	81.13	7.5	33.52	8.1	24.7	2.88
A7	23 Feb 2016	9	15.35	82.19	7.4	33.52	8.1	24.8	2.76
A7	23 Feb 2016	10	15.30	82.72	7.4	33.52	8.1	24.8	2.61
A7	23 Feb 2016	11	15.25	82.87	7.2	33.52	8.1	24.8	2.49
A7	23 Feb 2016	12	15.08	83.48	7.1	33.51	8.1	24.8	2.20
A7	23 Feb 2016	13	14.99	84.01	7.0	33.51	8.1	24.8	1.92
A7	23 Feb 2016	14	14.90	84.29	6.9	33.50	8.1	24.8	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A7	23 Feb 2016	15	14.78	84.30	6.8	33.50	8.1	24.9	1.48
A7	23 Feb 2016	16	14.69	84.09	6.8	33.49	8.1	24.9	1.32
A7	23 Feb 2016	17	14.61	83.80	6.7	33.49	8.1	24.9	1.18
A7	23 Feb 2016	18	14.52	83.52	6.6	33.48	8.1	24.9	1.03
A7	23 Feb 2016	19	14.49	83.43	6.6	33.48	8.1	24.9	0.95
A7	23 Feb 2016	20	14.48	83.53	6.6	33.48	8.1	24.9	0.89
A7	29 Feb 2016	1	16.68	87.68	7.9	33.55	8.1	24.5	0.59
A7	29 Feb 2016	2	16.55	87.68	7.9	33.54	8.1	24.5	0.60
A7	29 Feb 2016	3	16.37	88.01	7.9	33.53	8.1	24.5	0.62
A7	29 Feb 2016	4	16.29	88.02	7.8	33.53	8.1	24.6	0.64
A7	29 Feb 2016	5	16.06	87.80	7.8	33.52	8.0	24.6	0.71
A7	29 Feb 2016	6	15.85	87.37	7.6	33.52	8.0	24.6	0.87
A7	29 Feb 2016	7	15.51	85.79	7.5	33.52	8.0	24.7	1.09
A7	29 Feb 2016	8	15.37	83.99	7.3	33.51	8.0	24.7	1.29
A7	29 Feb 2016	9	15.29	84.32	7.3	33.50	8.0	24.8	1.44
A7	29 Feb 2016	10	15.21	84.59	7.2	33.50	8.0	24.8	1.57
A7	29 Feb 2016	11	15.18	84.71	7.2	33.50	8.0	24.8	1.65
A7	29 Feb 2016	12	15.16	84.79	7.2	33.50	8.0	24.8	1.65
A7	29 Feb 2016	13	15.13	84.70	7.2	33.50	8.0	24.8	1.65
A7	29 Feb 2016	14	15.08	84.65	7.2	33.50	8.0	24.8	1.65
A7	29 Feb 2016	15	15.07	84.63	7.1	33.50	8.0	24.8	1.61
A7	29 Feb 2016	16	15.03	84.49	7.1	33.50	8.0	24.8	1.59
A7	29 Feb 2016	17	15.00	84.26	7.1	33.50	8.0	24.8	1.60
A7	29 Feb 2016	18	15.00	84.19	7.1	33.50	8.0	24.8	1.52
A7	29 Feb 2016	19	15.01	84.24	7.1	33.51	8.0	24.8	1.48
C7	04 Feb 2016	1	15.10	76.93	6.8	33.54	8.2	24.8	0.36
C7	04 Feb 2016	2	15.10	77.79	7.1	33.54	8.2	24.8	0.39
C7	04 Feb 2016	3	15.09	77.93	7.3	33.54	8.2	24.8	0.34
C7	04 Feb 2016	4	15.09	77.90	7.4	33.54	8.2	24.8	1.22
C7	04 Feb 2016	5	15.08	77.80	7.4	33.54	8.2	24.8	1.49
C7	04 Feb 2016	6	15.08	77.63	7.3	33.54	8.2	24.8	1.32
C7	04 Feb 2016	7	15.08	77.75	7.0	33.54	8.2	24.8	1.27
C7	04 Feb 2016	8	15.08	77.89	6.6	33.54	8.2	24.8	1.29
C7	04 Feb 2016	9	15.08	77.96	7.0	33.54	8.2	24.8	1.34
C7	04 Feb 2016	10	15.08	78.02	7.3	33.54	8.2	24.8	1.40
C7	04 Feb 2016	11	15.09	78.15	7.4	33.55	8.2	24.8	1.47
C7	04 Feb 2016	12	15.10	78.44	7.4	33.55	8.2	24.8	1.47
C7	04 Feb 2016	13	15.12	79.58	7.3	33.56	8.2	24.8	1.39
C7	04 Feb 2016	14	15.15	80.58	7.2	33.59	8.2	24.8	1.21
C7	04 Feb 2016	15	15.14	82.30	7.1	33.61	8.2	24.9	0.99
C7	04 Feb 2016	16	15.02	83.16	6.8	33.62	8.2	24.9	0.84
C7	04 Feb 2016	17	14.75	82.56	6.4	33.61	8.2	25.0	0.70
C7	04 Feb 2016	18	14.61	80.75	6.3	33.59	8.1	25.0	0.64
C7	12 Feb 2016	1	15.73	81.11	8.0	33.57	8.2	24.7	1.34
C7	12 Feb 2016	2	15.72	80.92	8.0	33.57	8.2	24.7	1.37
C7	12 Feb 2016	3	15.72	81.23	7.9	33.57	8.2	24.7	1.46
C7	12 Feb 2016	4	15.69	81.38	7.9	33.57	8.2	24.7	1.57
C7	12 Feb 2016	5	15.65	81.81	7.8	33.57	8.2	24.7	1.58
C7	12 Feb 2016	6	15.58	82.39	7.7	33.58	8.2	24.7	1.63
C7	12 Feb 2016	7	15.53	82.93	7.6	33.58	8.2	24.8	1.58
C7	12 Feb 2016	8	15.49	83.37	7.6	33.58	8.2	24.8	1.55
C7	12 Feb 2016	9	15.47	83.47	7.6	33.57	8.2	24.8	1.62

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	12 Feb 2016	10	15.43	83.37	7.5	33.58	8.1	24.8	1.61
C7	12 Feb 2016	11	15.40	83.15	7.4	33.58	8.1	24.8	1.58
C7	12 Feb 2016	12	15.37	83.16	7.4	33.57	8.1	24.8	1.63
C7	12 Feb 2016	13	15.34	83.06	7.4	33.57	8.1	24.8	1.54
C7	12 Feb 2016	14	15.30	82.39	7.3	33.57	8.1	24.8	1.51
C7	12 Feb 2016	15	15.24	81.35	7.2	33.57	8.1	24.8	1.45
C7	12 Feb 2016	16	15.20	77.66	7.1	33.57	8.1	24.8	1.29
C7	12 Feb 2016	17	15.19	75.82	7.0	33.57	8.1	24.8	1.24
C7	12 Feb 2016	18	15.19	71.12	7.0	33.57	8.1	24.8	1.19
C7	20 Feb 2016	1	15.97	73.95	7.8	33.53	8.2	24.6	1.63
C7	20 Feb 2016	2	15.98	74.27	7.8	33.54	8.2	24.6	1.64
C7	20 Feb 2016	3	15.98	75.93	7.7	33.54	8.2	24.6	1.69
C7	20 Feb 2016	4	15.94	76.60	7.8	33.54	8.2	24.6	1.79
C7	20 Feb 2016	5	15.93	77.74	7.7	33.54	8.2	24.6	1.83
C7	20 Feb 2016	6	15.92	78.11	7.7	33.54	8.2	24.6	1.89
C7	20 Feb 2016	7	15.87	78.82	7.6	33.54	8.2	24.7	1.86
C7	20 Feb 2016	8	15.85	77.43	7.6	33.54	8.2	24.7	1.83
C7	20 Feb 2016	9	15.80	75.61	7.6	33.53	8.2	24.7	1.82
C7	20 Feb 2016	10	15.65	75.69	7.4	33.52	8.2	24.7	2.04
C7	20 Feb 2016	11	15.57	75.95	7.4	33.53	8.2	24.7	1.97
C7	20 Feb 2016	12	15.45	67.72	7.0	33.53	8.2	24.7	1.66
C7	20 Feb 2016	13	15.44	74.00	7.0	33.55	8.2	24.8	1.52
C7	20 Feb 2016	14	15.39	72.15	7.2	33.55	8.2	24.8	1.75
C7	20 Feb 2016	15	15.43	72.66	7.2	33.52	8.2	24.7	1.59
C7	20 Feb 2016	16	15.37	70.98	7.2	33.52	8.2	24.8	1.26
C7	20 Feb 2016	17	15.36	70.69	7.2	33.52	8.2	24.8	1.12
C7	20 Feb 2016	18	15.36	69.40	7.2	33.52	8.1	24.8	1.07
C7	23 Feb 2016	1	16.25	67.48	7.7	33.52	8.2	24.6	1.58
C7	23 Feb 2016	2	16.25	67.34	7.7	33.52	8.2	24.6	1.79
C7	23 Feb 2016	3	16.24	67.29	7.7	33.52	8.2	24.6	2.04
C7	23 Feb 2016	4	16.21	66.96	7.6	33.52	8.2	24.6	2.28
C7	23 Feb 2016	5	16.18	67.44	7.6	33.53	8.2	24.6	2.51
C7	23 Feb 2016	6	16.14	69.26	7.6	33.53	8.2	24.6	2.63
C7	23 Feb 2016	7	16.04	70.90	7.5	33.53	8.1	24.6	2.62
C7	23 Feb 2016	8	15.92	72.32	7.4	33.53	8.1	24.6	2.48
C7	23 Feb 2016	9	15.84	73.91	7.4	33.53	8.1	24.7	2.31
C7	23 Feb 2016	10	15.74	74.17	7.3	33.53	8.1	24.7	2.17
C7	23 Feb 2016	11	15.67	73.93	7.2	33.53	8.1	24.7	2.02
C7	23 Feb 2016	12	15.58	75.46	7.2	33.52	8.1	24.7	1.82
C7	23 Feb 2016	13	15.50	76.77	7.1	33.52	8.1	24.7	1.61
C7	23 Feb 2016	14	15.49	76.60	7.1	33.52	8.1	24.7	1.49
C7	23 Feb 2016	15	15.44	75.98	7.0	33.52	8.1	24.7	1.43
C7	23 Feb 2016	16	15.33	78.12	6.9	33.52	8.1	24.8	1.27
C7	23 Feb 2016	17	15.25	79.32	6.8	33.51	8.1	24.8	1.09
C7	23 Feb 2016	18	15.09	80.88	6.7	33.51	8.1	24.8	0.87
C7	23 Feb 2016	19	15.02	82.02	6.5	33.50	8.1	24.8	0.73
C7	29 Feb 2016	1	16.65	82.47	7.9	33.56	8.0	24.5	0.46
C7	29 Feb 2016	2	16.62	82.34	7.9	33.56	8.1	24.5	0.48
C7	29 Feb 2016	3	16.56	81.40	7.8	33.55	8.0	24.5	0.52
C7	29 Feb 2016	4	16.51	79.39	7.8	33.55	8.0	24.5	0.57
C7	29 Feb 2016	5	16.48	78.23	7.8	33.55	8.0	24.5	0.63
C7	29 Feb 2016	6	16.47	77.67	7.8	33.55	8.0	24.5	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C7	29 Feb 2016	7	16.47	77.37	7.8	33.55	8.0	24.5	0.77
C7	29 Feb 2016	8	16.47	77.33	7.7	33.55	8.0	24.5	0.81
C7	29 Feb 2016	9	16.44	77.41	7.6	33.55	8.0	24.5	0.83
C7	29 Feb 2016	10	16.34	77.42	7.6	33.55	8.0	24.6	0.83
C7	29 Feb 2016	11	16.19	78.42	7.6	33.55	8.0	24.6	0.87
C7	29 Feb 2016	12	16.01	80.01	7.5	33.54	8.0	24.6	0.97
C7	29 Feb 2016	13	15.82	80.97	7.4	33.54	8.0	24.7	1.00
C7	29 Feb 2016	14	15.78	80.64	7.4	33.53	8.0	24.7	1.00
C7	29 Feb 2016	15	15.72	81.06	7.4	33.53	8.0	24.7	1.03
C7	29 Feb 2016	16	15.66	80.71	7.4	33.52	8.0	24.7	1.07
C7	29 Feb 2016	17	15.64	77.88	7.4	33.52	8.0	24.7	1.07
C7	29 Feb 2016	18	15.63	74.99	7.4	33.52	8.0	24.7	1.06
C8	04 Feb 2016	1	15.13	68.11	7.5	33.58	8.2	24.8	1.11
C8	04 Feb 2016	2	15.12	70.27	7.5	33.58	8.2	24.9	1.32
C8	04 Feb 2016	3	15.10	72.39	7.5	33.58	8.2	24.9	1.65
C8	04 Feb 2016	4	15.09	71.97	7.5	33.58	8.2	24.9	1.82
C8	04 Feb 2016	5	15.08	71.87	7.5	33.58	8.2	24.9	1.89
C8	04 Feb 2016	6	15.07	71.75	7.5	33.58	8.2	24.9	1.95
C8	04 Feb 2016	7	15.07	71.84	7.4	33.58	8.2	24.9	1.91
C8	04 Feb 2016	8	15.06	71.51	7.4	33.58	8.2	24.9	1.85
C8	04 Feb 2016	9	15.05	71.96	7.3	33.58	8.2	24.9	1.70
C8	04 Feb 2016	10	15.02	72.28	7.1	33.59	8.2	24.9	1.54
C8	04 Feb 2016	11	14.95	73.18	7.0	33.58	8.2	24.9	1.39
C8	04 Feb 2016	12	14.90	74.11	6.8	33.58	8.2	24.9	1.26
C8	04 Feb 2016	13	14.81	75.01	6.7	33.57	8.2	24.9	1.15
C8	04 Feb 2016	14	14.76	75.55	6.6	33.57	8.1	24.9	1.07
C8	04 Feb 2016	15	14.69	75.98	6.5	33.57	8.1	24.9	0.95
C8	04 Feb 2016	16	14.63	76.38	6.3	33.56	8.1	24.9	0.86
C8	04 Feb 2016	17	14.48	75.71	6.3	33.56	8.1	25.0	0.83
C8	04 Feb 2016	18	14.46	75.29	6.4	33.55	8.1	25.0	0.84
C8	04 Feb 2016	19	14.46	74.75	6.4	33.56	8.1	25.0	0.81
C8	04 Feb 2016	20	14.43	73.89	6.4	33.56	8.1	25.0	0.82
C8	12 Feb 2016	1	15.72	82.22	7.8	33.57	8.2	24.7	1.32
C8	12 Feb 2016	2	15.71	82.22	7.9	33.58	8.2	24.7	1.28
C8	12 Feb 2016	3	15.71	82.37	7.9	33.58	8.2	24.7	1.32
C8	12 Feb 2016	4	15.70	82.37	7.8	33.58	8.2	24.7	1.40
C8	12 Feb 2016	5	15.69	82.15	7.9	33.58	8.2	24.7	1.59
C8	12 Feb 2016	6	15.68	81.86	7.9	33.58	8.2	24.7	1.61
C8	12 Feb 2016	7	15.66	81.94	7.8	33.58	8.2	24.7	1.76
C8	12 Feb 2016	8	15.59	81.92	7.7	33.58	8.2	24.7	1.93
C8	12 Feb 2016	9	15.55	81.31	7.6	33.58	8.2	24.8	1.99
C8	12 Feb 2016	10	15.51	81.18	7.5	33.58	8.1	24.8	1.88
C8	12 Feb 2016	11	15.46	80.83	7.5	33.58	8.1	24.8	1.89
C8	12 Feb 2016	12	15.38	80.21	7.3	33.58	8.1	24.8	1.78
C8	12 Feb 2016	13	15.35	80.18	7.2	33.57	8.1	24.8	1.65
C8	12 Feb 2016	14	15.28	79.40	7.1	33.57	8.1	24.8	1.54
C8	12 Feb 2016	15	15.24	78.32	7.0	33.57	8.1	24.8	1.43
C8	12 Feb 2016	16	15.22	74.80	7.0	33.57	8.1	24.8	1.38
C8	12 Feb 2016	17	15.20	73.54	7.0	33.57	8.1	24.8	1.40
C8	12 Feb 2016	18	15.21	66.85	7.0	33.57	8.1	24.8	1.43
C8	20 Feb 2016	1	15.97	77.95	7.7	33.54	8.2	24.6	1.54
C8	20 Feb 2016	2	15.96	78.17	7.7	33.54	8.2	24.6	1.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C8	20 Feb 2016	3	15.95	78.77	7.7	33.54	8.2	24.6	1.78
C8	20 Feb 2016	4	15.94	79.24	7.7	33.54	8.2	24.6	1.94
C8	20 Feb 2016	5	15.94	79.69	7.7	33.54	8.2	24.6	2.06
C8	20 Feb 2016	6	15.94	79.90	7.7	33.54	8.2	24.6	2.12
C8	20 Feb 2016	7	15.93	80.03	7.7	33.54	8.2	24.6	2.15
C8	20 Feb 2016	8	15.93	80.34	7.7	33.54	8.2	24.6	2.20
C8	20 Feb 2016	9	15.91	80.82	7.7	33.54	8.2	24.6	2.21
C8	20 Feb 2016	10	15.90	80.93	7.7	33.54	8.2	24.6	2.19
C8	20 Feb 2016	11	15.84	81.89	7.6	33.54	8.2	24.7	2.13
C8	20 Feb 2016	12	15.78	82.87	7.7	33.54	8.2	24.7	2.05
C8	20 Feb 2016	13	15.79	83.61	7.7	33.54	8.2	24.7	2.06
C8	20 Feb 2016	14	15.60	82.97	7.5	33.54	8.2	24.7	1.91
C8	20 Feb 2016	15	15.53	81.46	7.4	33.53	8.2	24.7	1.73
C8	20 Feb 2016	16	15.38	77.86	7.2	33.52	8.2	24.8	1.41
C8	20 Feb 2016	17	15.32	70.45	7.1	33.52	8.1	24.8	1.25
C8	20 Feb 2016	18	15.29	65.49	7.1	33.52	8.1	24.8	1.20
C8	20 Feb 2016	19	15.20	59.03	7.0	33.52	8.1	24.8	1.19
C8	20 Feb 2016	20	15.17	47.82	7.0	33.51	8.1	24.8	1.21
C8	23 Feb 2016	1	16.09	75.72	8.0	33.55	8.2	24.6	1.35
C8	23 Feb 2016	2	16.09	75.72	7.9	33.55	8.2	24.6	1.36
C8	23 Feb 2016	3	16.10	75.79	7.9	33.55	8.2	24.6	1.47
C8	23 Feb 2016	4	16.08	75.86	8.0	33.55	8.2	24.6	1.67
C8	23 Feb 2016	5	16.05	76.23	8.0	33.55	8.2	24.6	1.99
C8	23 Feb 2016	6	16.04	76.61	8.0	33.55	8.2	24.6	2.31
C8	23 Feb 2016	7	16.04	76.65	7.9	33.54	8.2	24.6	2.50
C8	23 Feb 2016	8	16.03	76.62	7.9	33.55	8.2	24.6	2.64
C8	23 Feb 2016	9	16.03	76.86	7.9	33.54	8.2	24.6	2.70
C8	23 Feb 2016	10	15.91	78.15	7.8	33.54	8.2	24.6	2.93
C8	23 Feb 2016	11	15.71	77.80	7.6	33.54	8.2	24.7	3.06
C8	23 Feb 2016	12	15.67	77.47	7.5	33.53	8.1	24.7	2.83
C8	23 Feb 2016	13	15.66	77.40	7.6	33.53	8.1	24.7	2.70
C8	23 Feb 2016	14	15.64	77.79	7.5	33.53	8.1	24.7	2.63
C8	23 Feb 2016	15	15.58	78.73	7.4	33.53	8.1	24.7	2.58
C8	23 Feb 2016	16	15.53	79.36	7.3	33.53	8.1	24.7	2.47
C8	23 Feb 2016	17	15.29	77.68	7.0	33.52	8.1	24.8	2.04
C8	23 Feb 2016	18	15.15	74.19	6.9	33.51	8.1	24.8	1.66
C8	23 Feb 2016	19	15.11	71.86	6.8	33.51	8.1	24.8	1.40
C8	23 Feb 2016	20	15.09	69.35	6.8	33.51	8.1	24.8	1.33
C8	29 Feb 2016	1	16.80	80.63	8.1	33.56	8.1	24.5	0.74
C8	29 Feb 2016	2	16.78	81.06	8.1	33.56	8.1	24.5	0.77
C8	29 Feb 2016	3	16.72	81.30	8.1	33.56	8.1	24.5	0.94
C8	29 Feb 2016	4	16.63	78.61	8.1	33.56	8.1	24.5	1.15
C8	29 Feb 2016	5	16.58	78.88	8.0	33.56	8.1	24.5	1.39
C8	29 Feb 2016	6	16.49	79.16	8.0	33.55	8.1	24.5	1.68
C8	29 Feb 2016	7	16.38	78.30	7.9	33.55	8.1	24.5	1.93
C8	29 Feb 2016	8	16.32	77.41	7.8	33.55	8.0	24.6	2.08
C8	29 Feb 2016	9	16.17	76.62	7.7	33.55	8.0	24.6	2.19
C8	29 Feb 2016	10	16.09	75.30	7.6	33.55	8.0	24.6	2.19
C8	29 Feb 2016	11	16.06	74.91	7.6	33.55	8.0	24.6	2.14
C8	29 Feb 2016	12	16.05	74.83	7.5	33.55	8.0	24.6	2.14
C8	29 Feb 2016	13	16.01	74.61	7.5	33.55	8.0	24.6	2.09
C8	29 Feb 2016	14	15.95	74.45	7.4	33.54	8.0	24.6	1.97
C8	29 Feb 2016	15	15.84	74.90	7.3	33.54	8.0	24.7	1.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
C8	29 Feb 2016	16	15.71	74.85	7.2	33.53	8.0	24.7	1.73
C8	29 Feb 2016	17	15.58	65.40	7.1	33.53	8.0	24.7	1.65
C8	29 Feb 2016	18	15.58	44.19	7.1	33.53	8.0	24.7	1.62

NA = not available

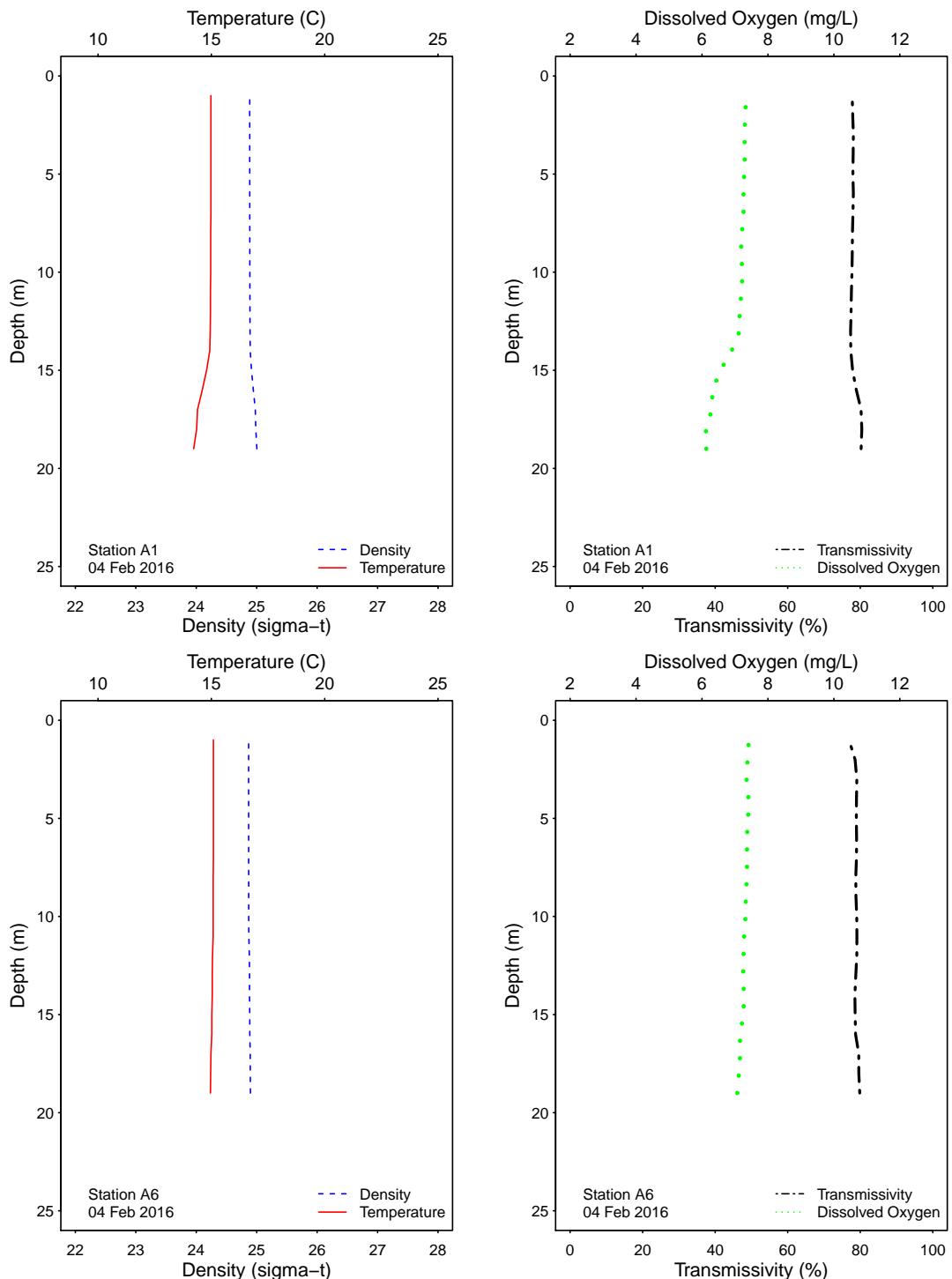


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

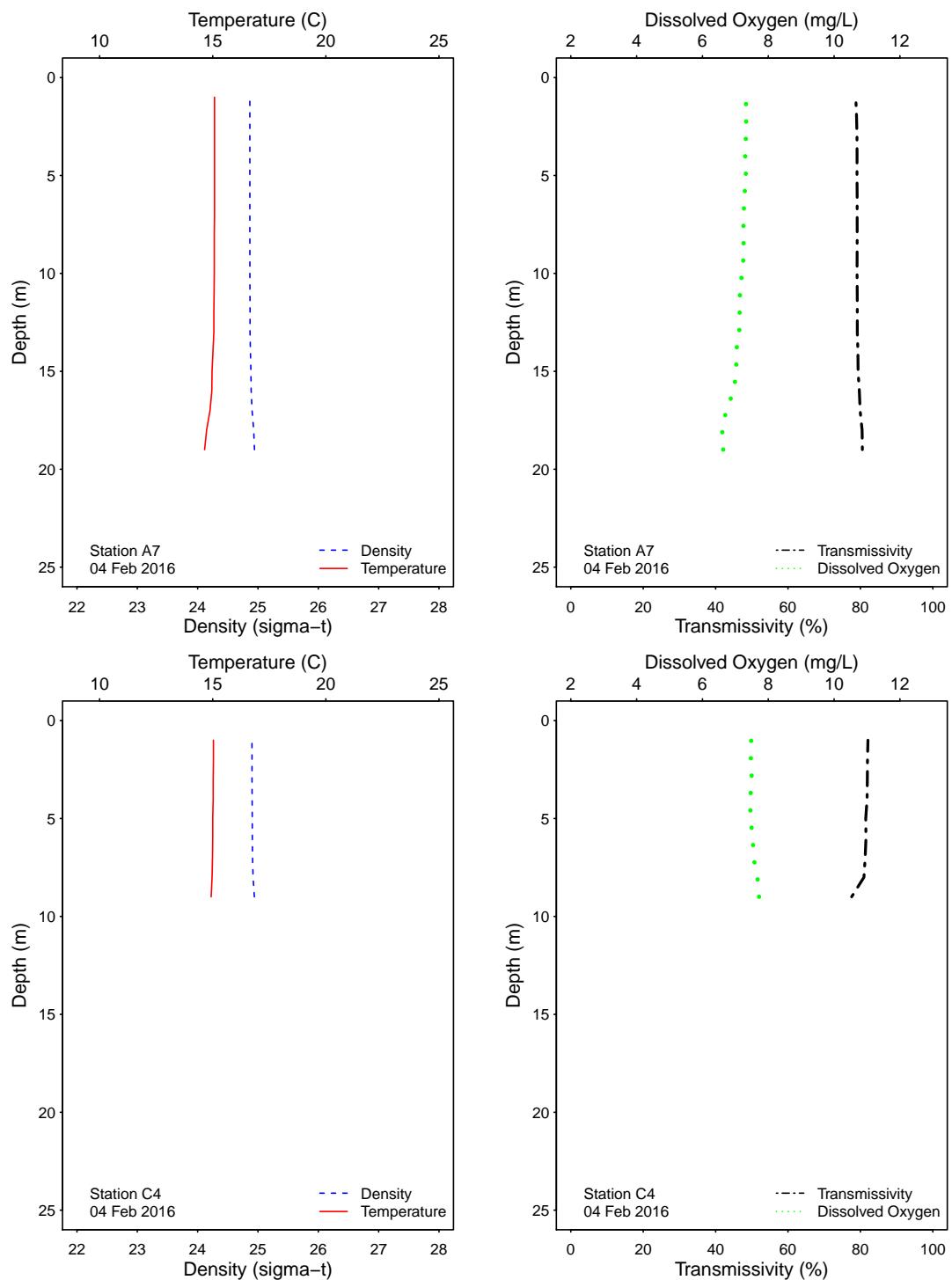


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

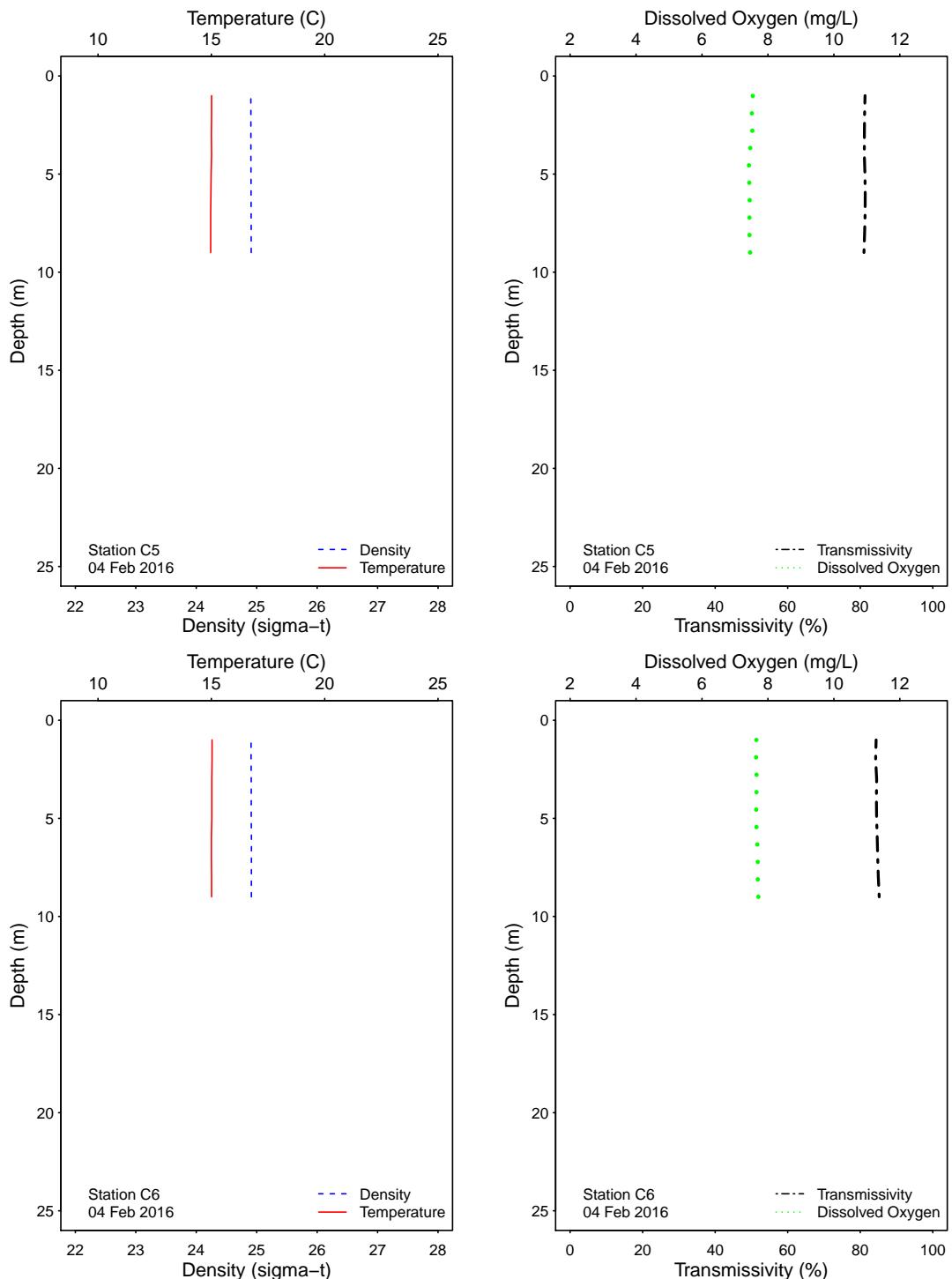


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

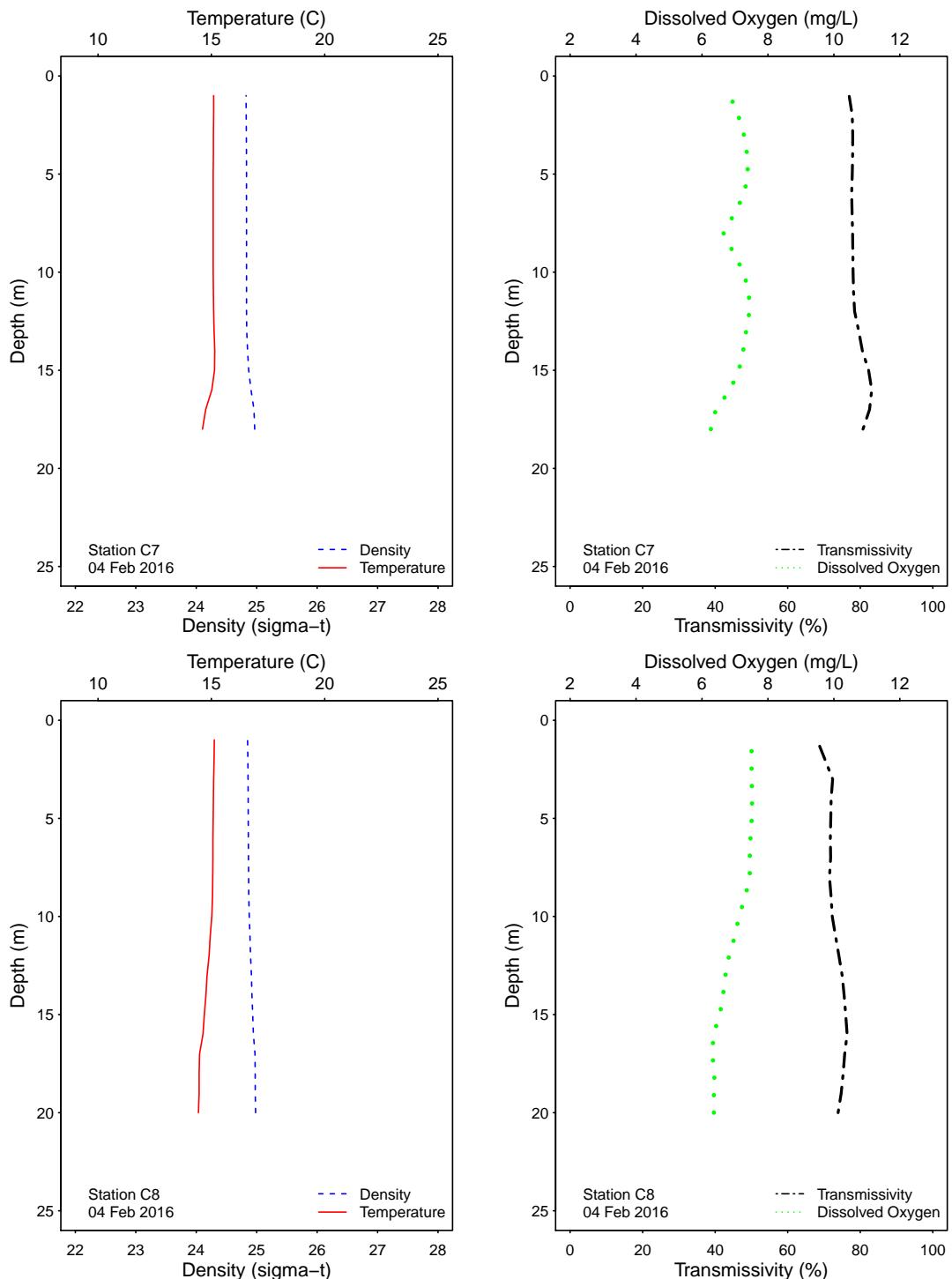


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

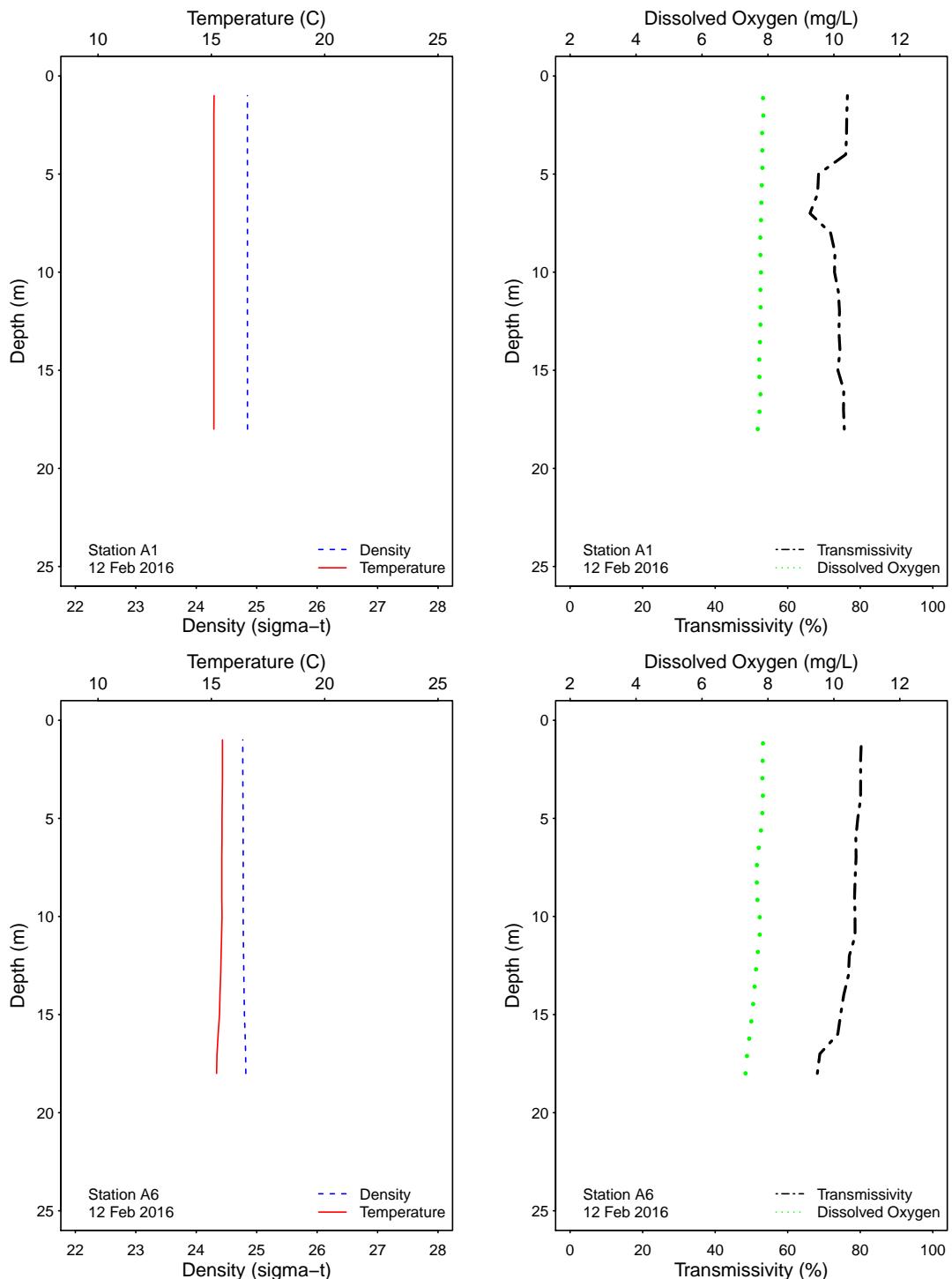


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

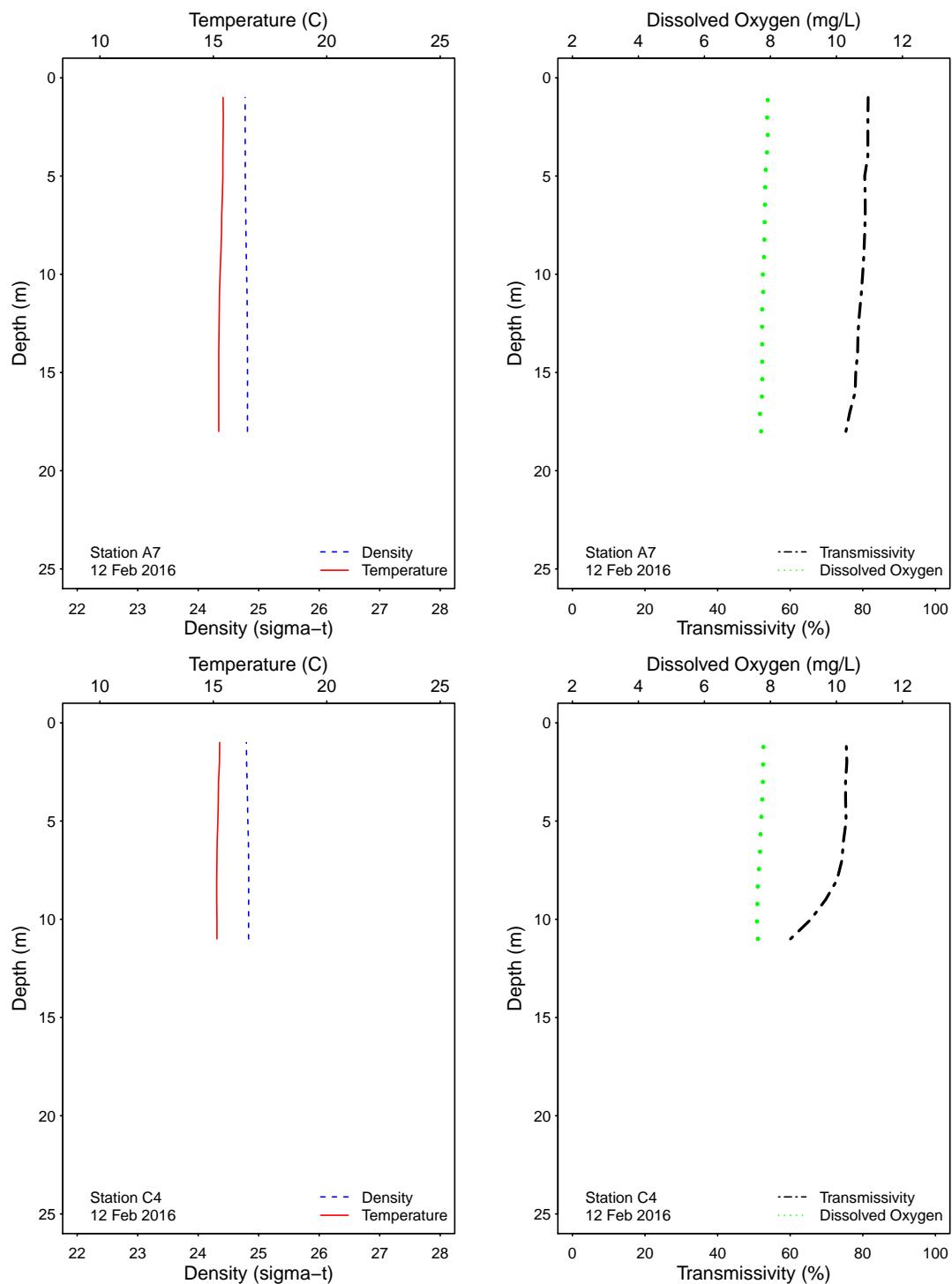


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

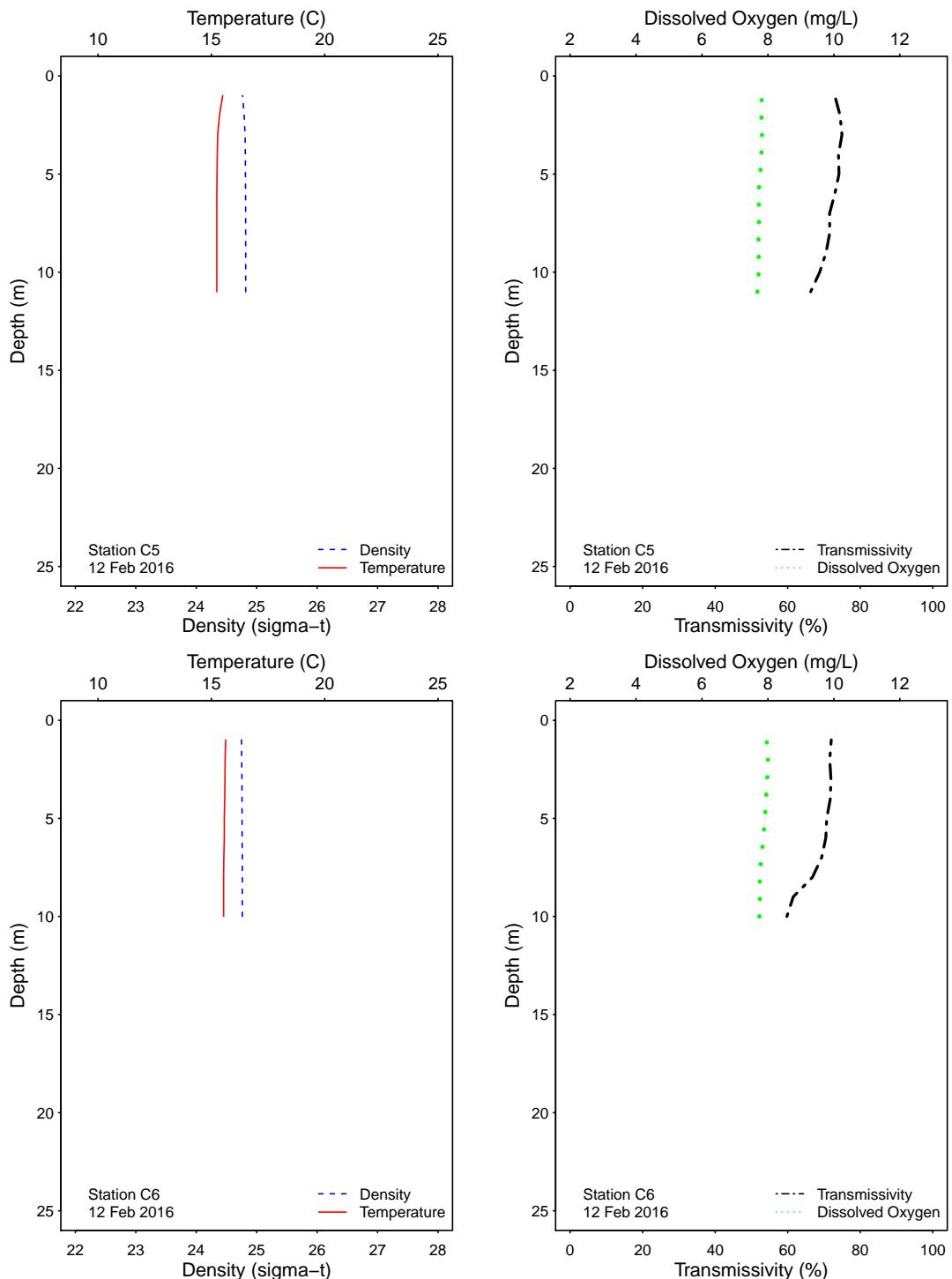


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

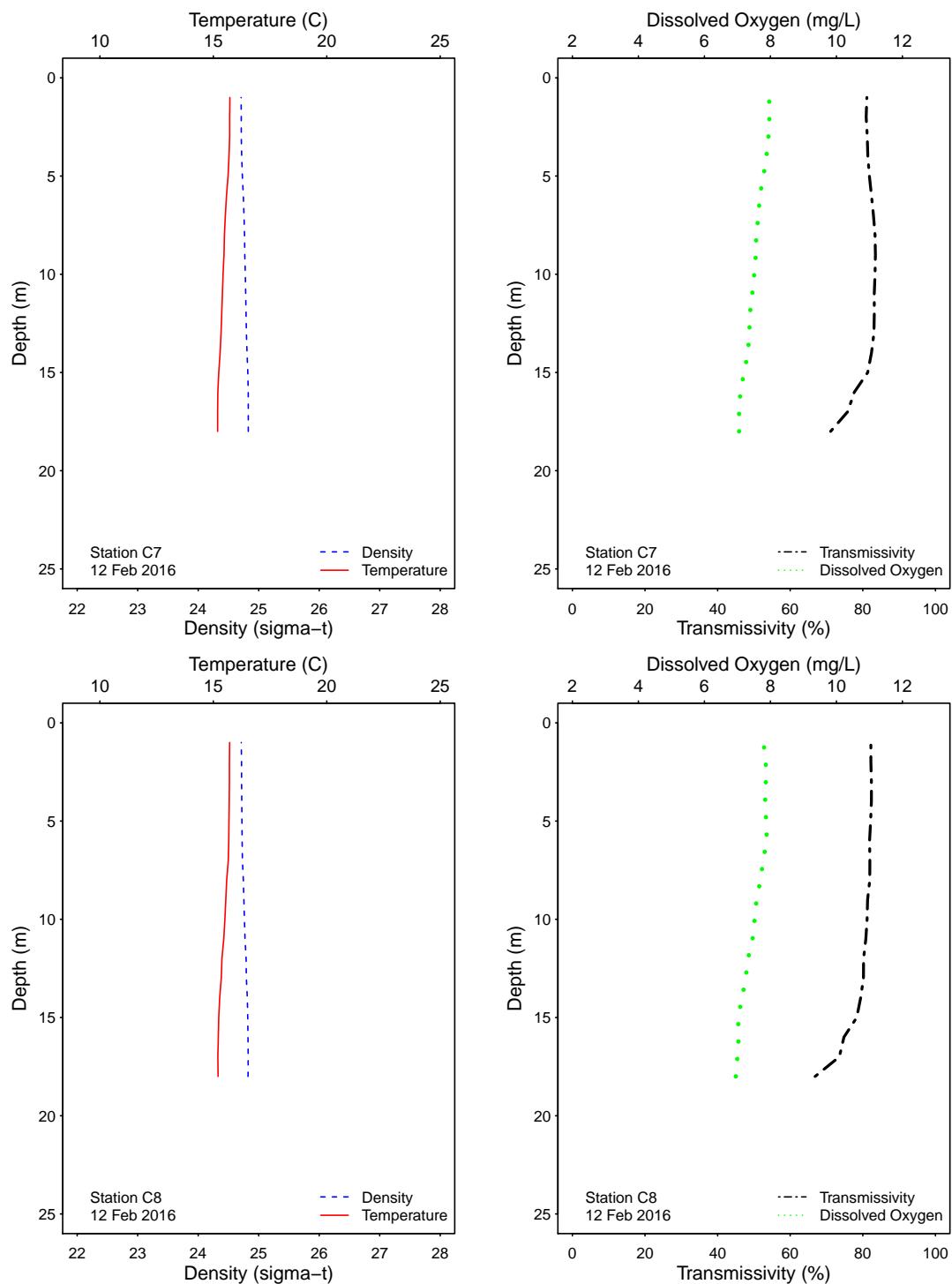


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

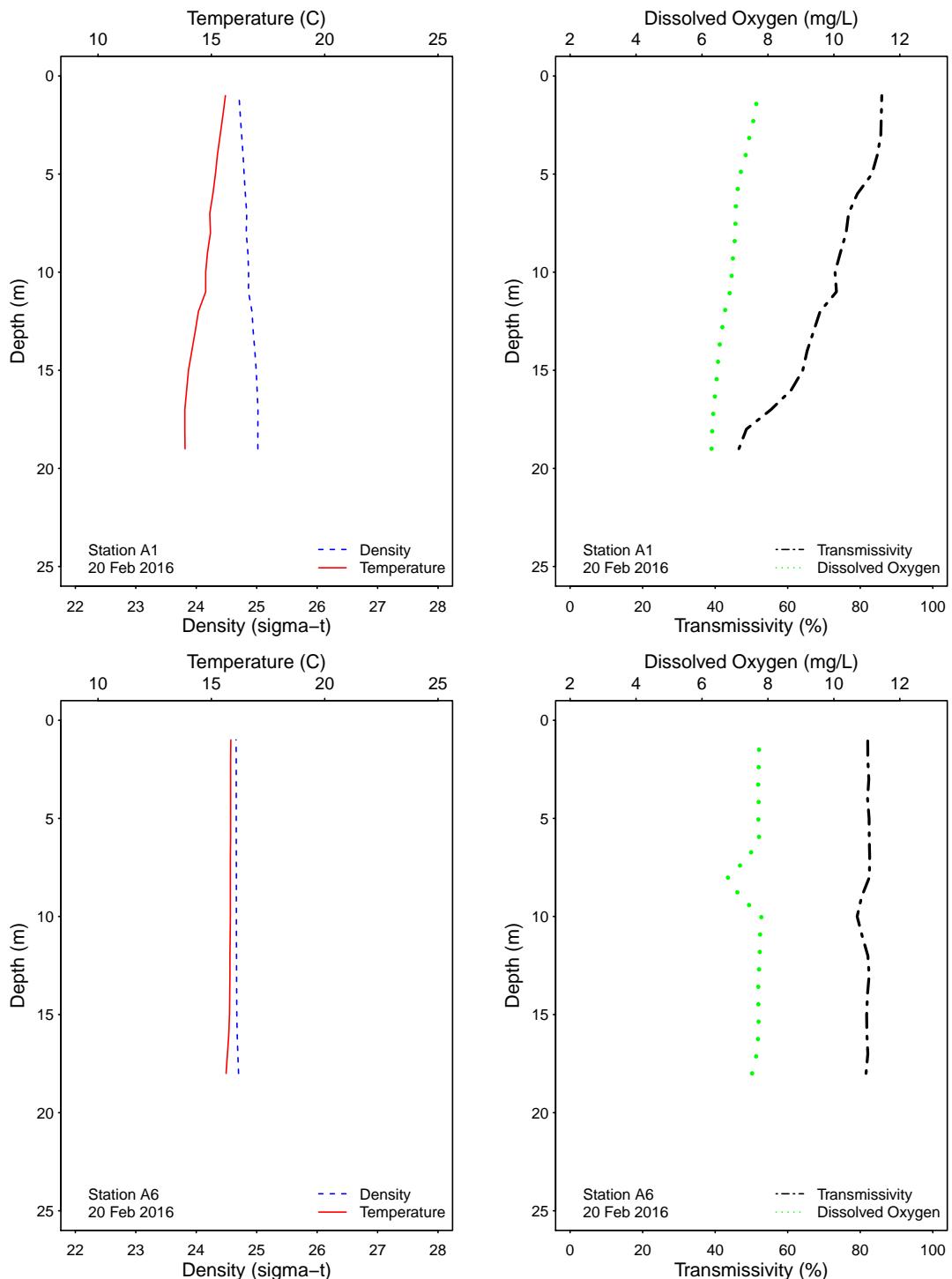


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

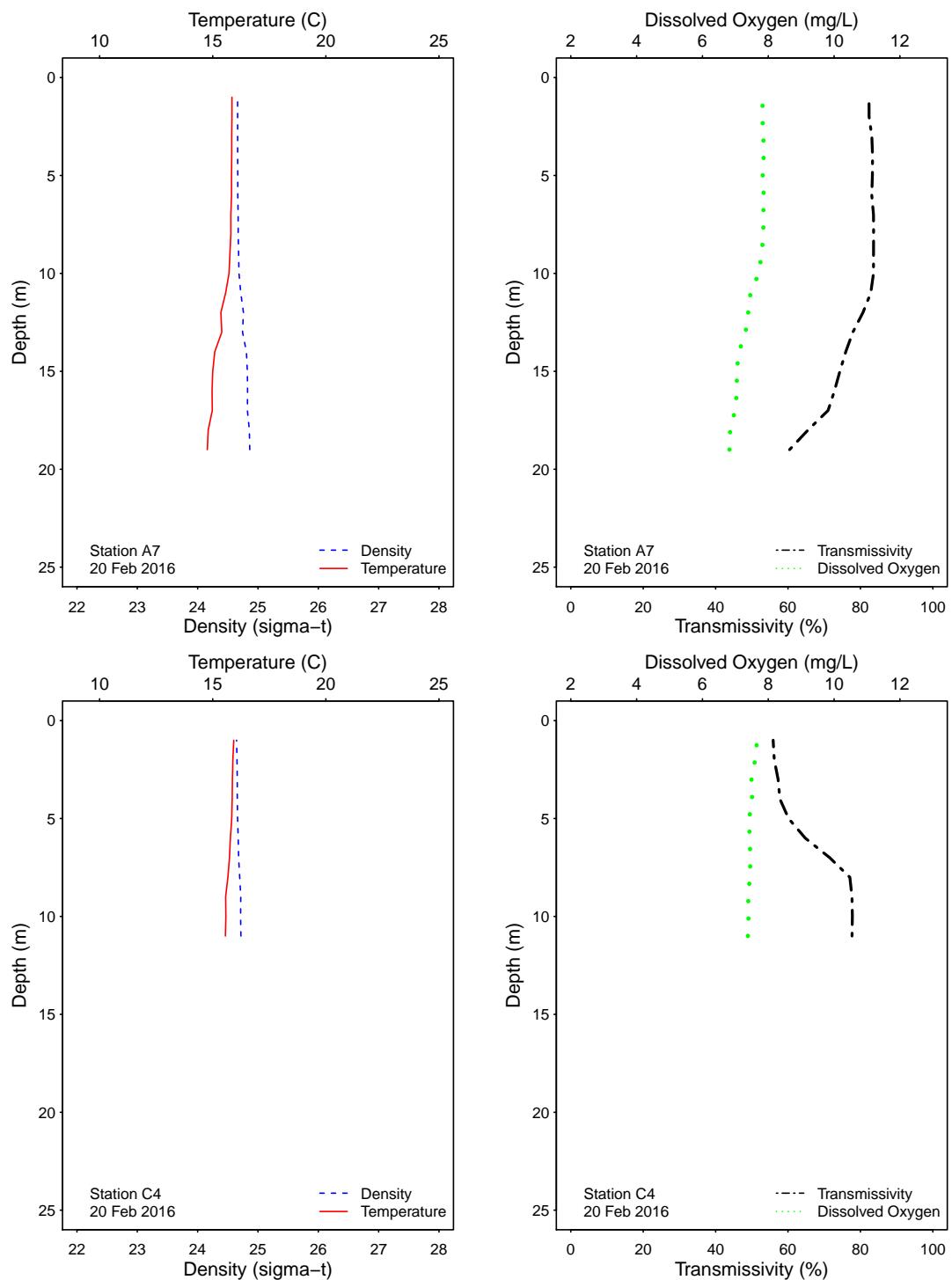


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

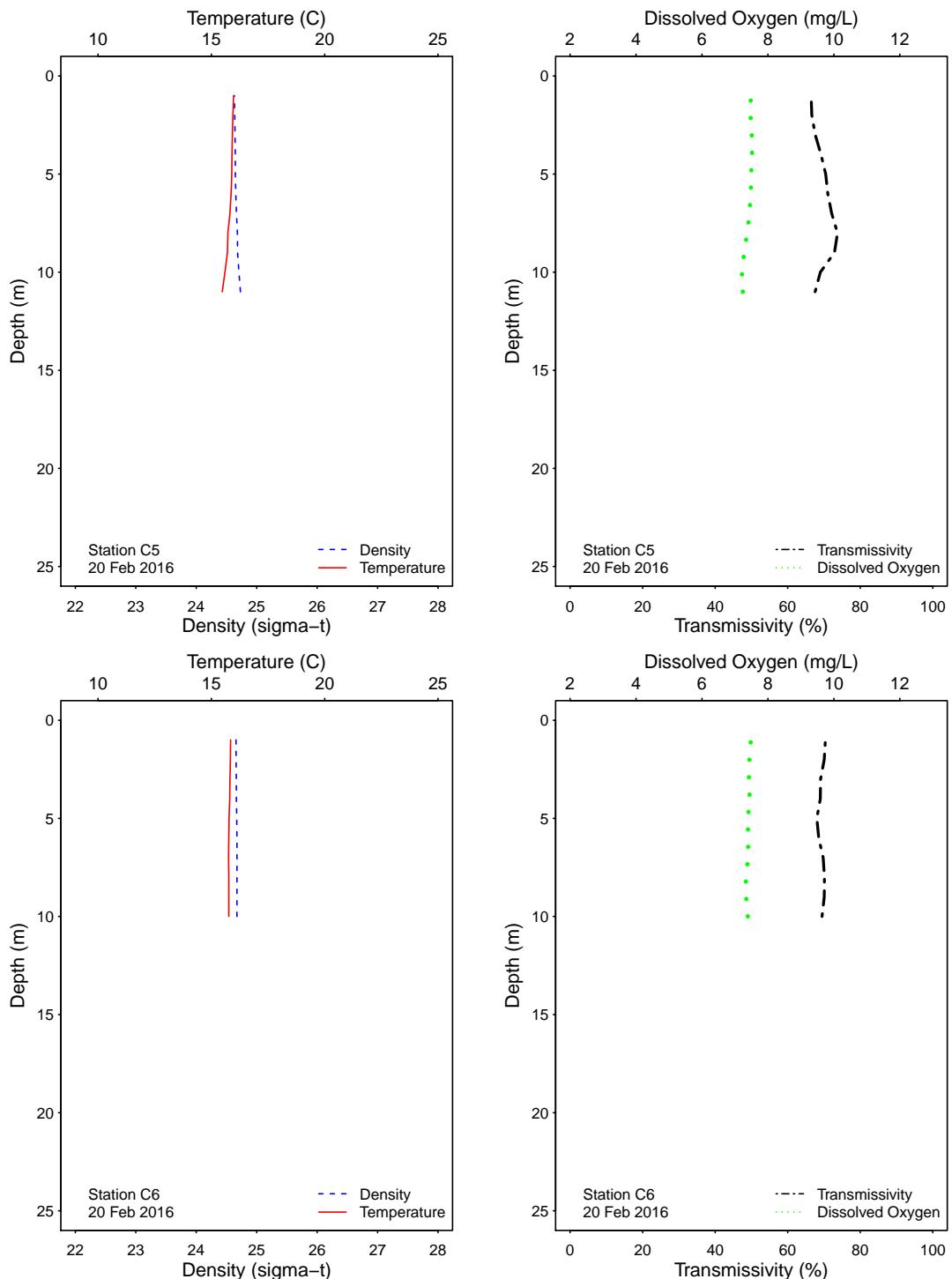


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

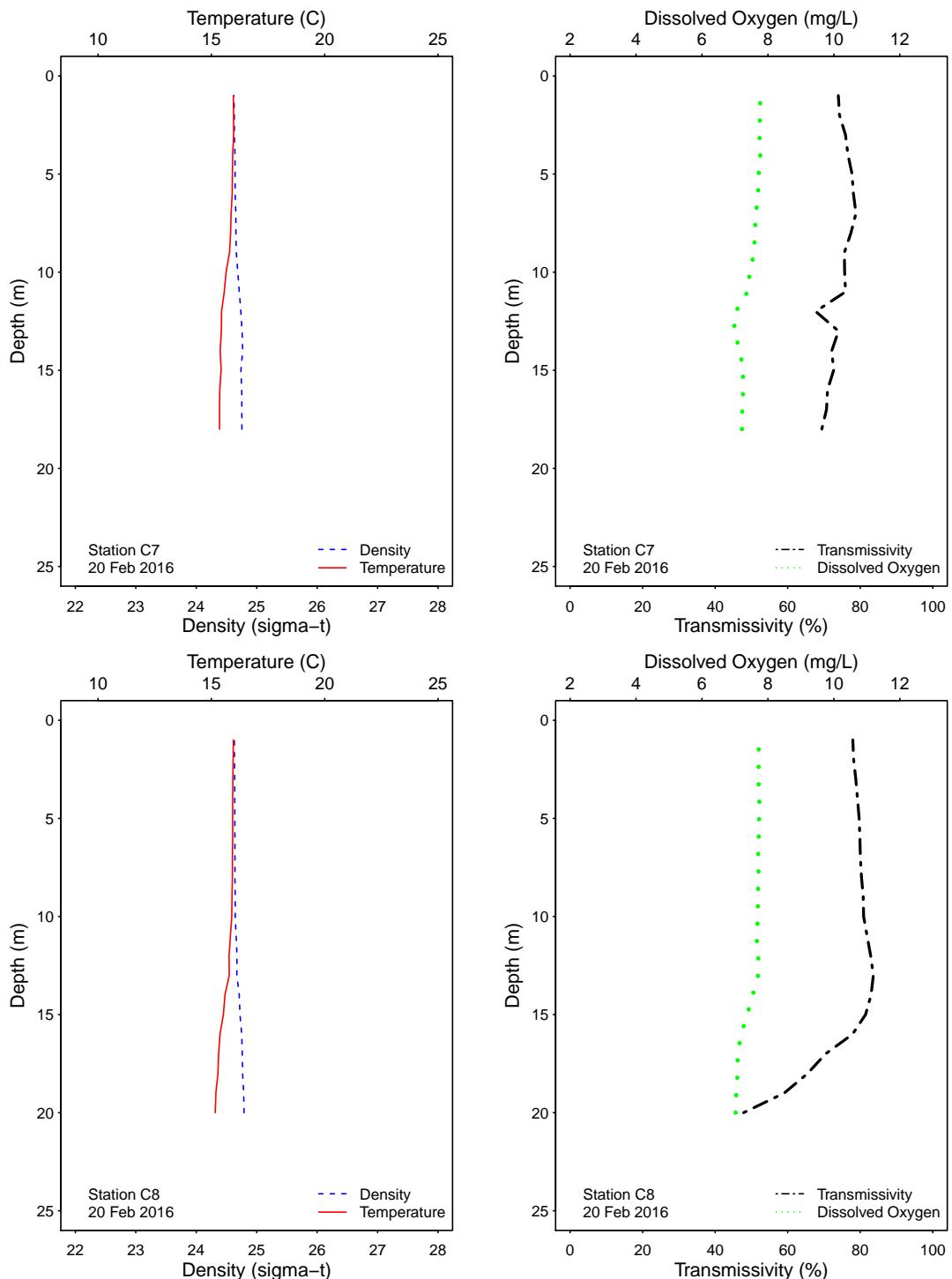


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

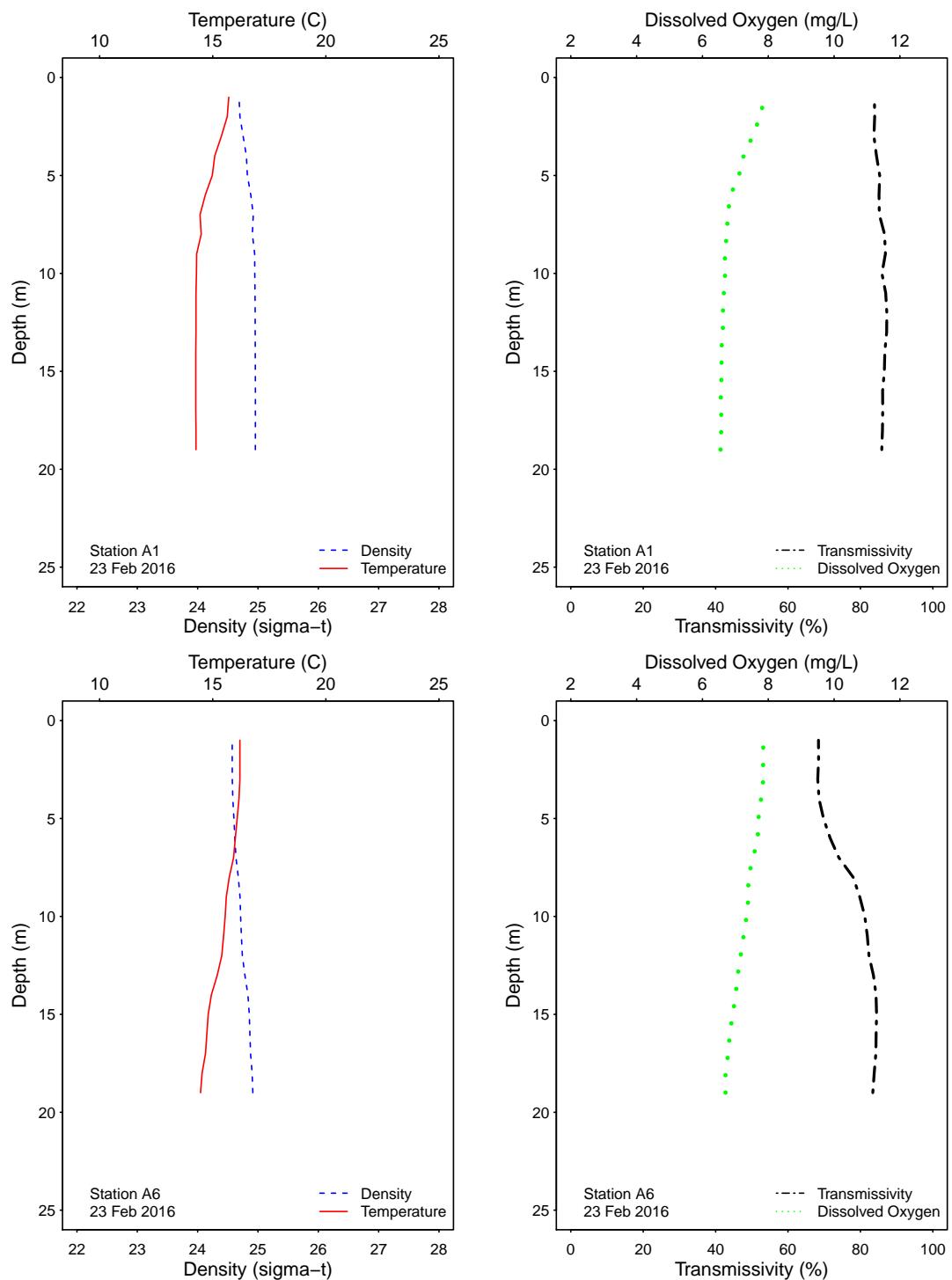


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

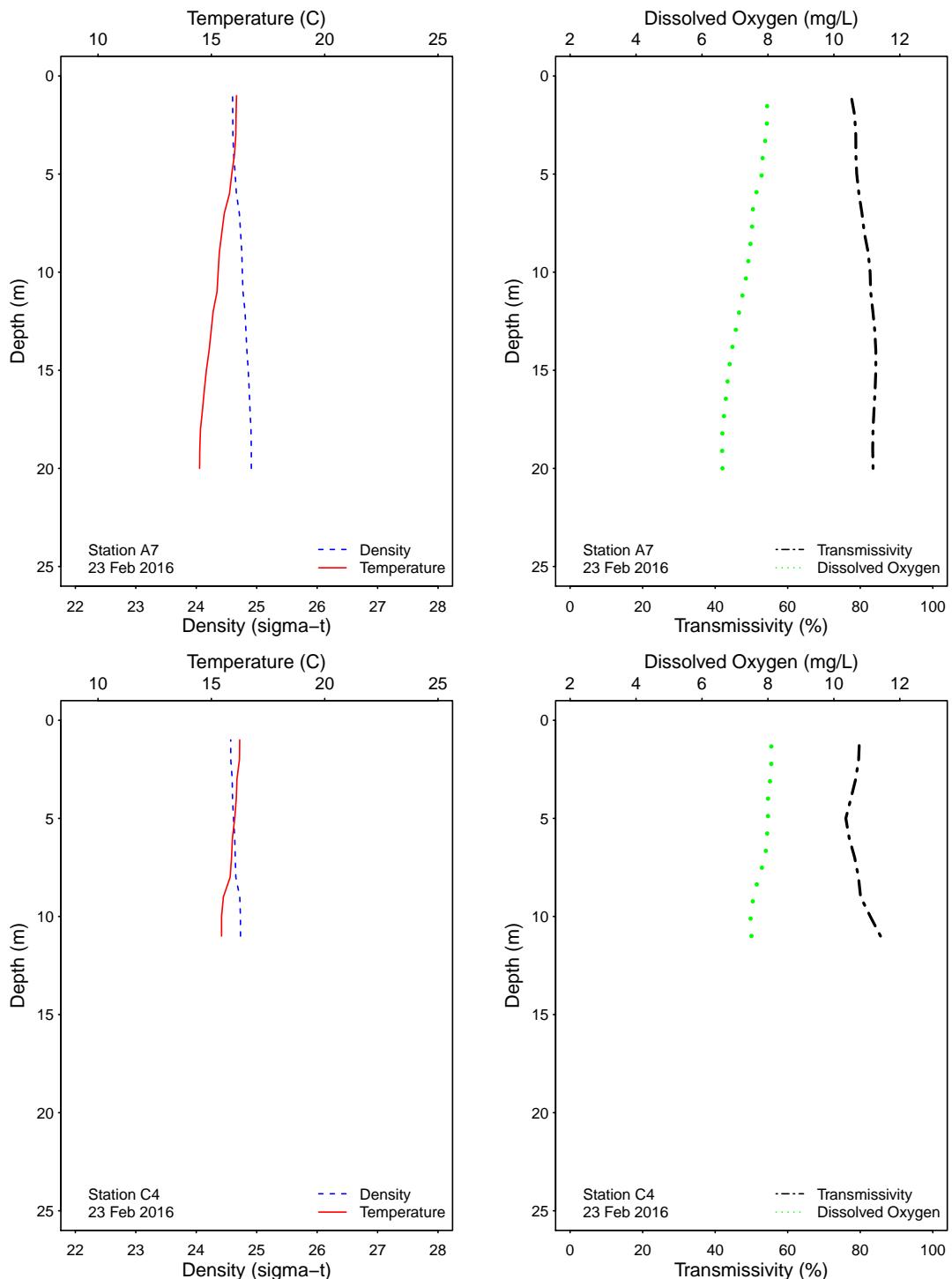


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

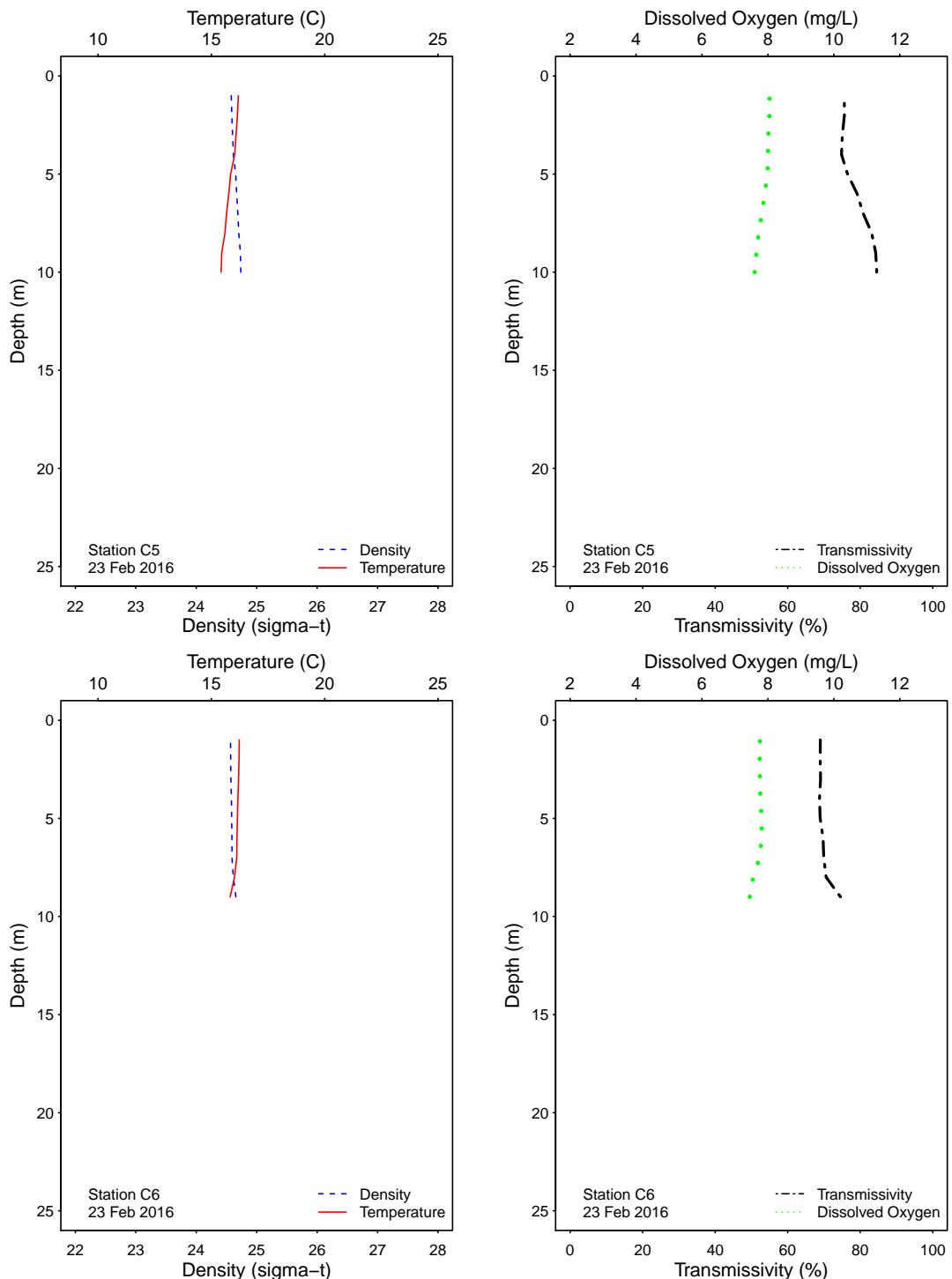


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

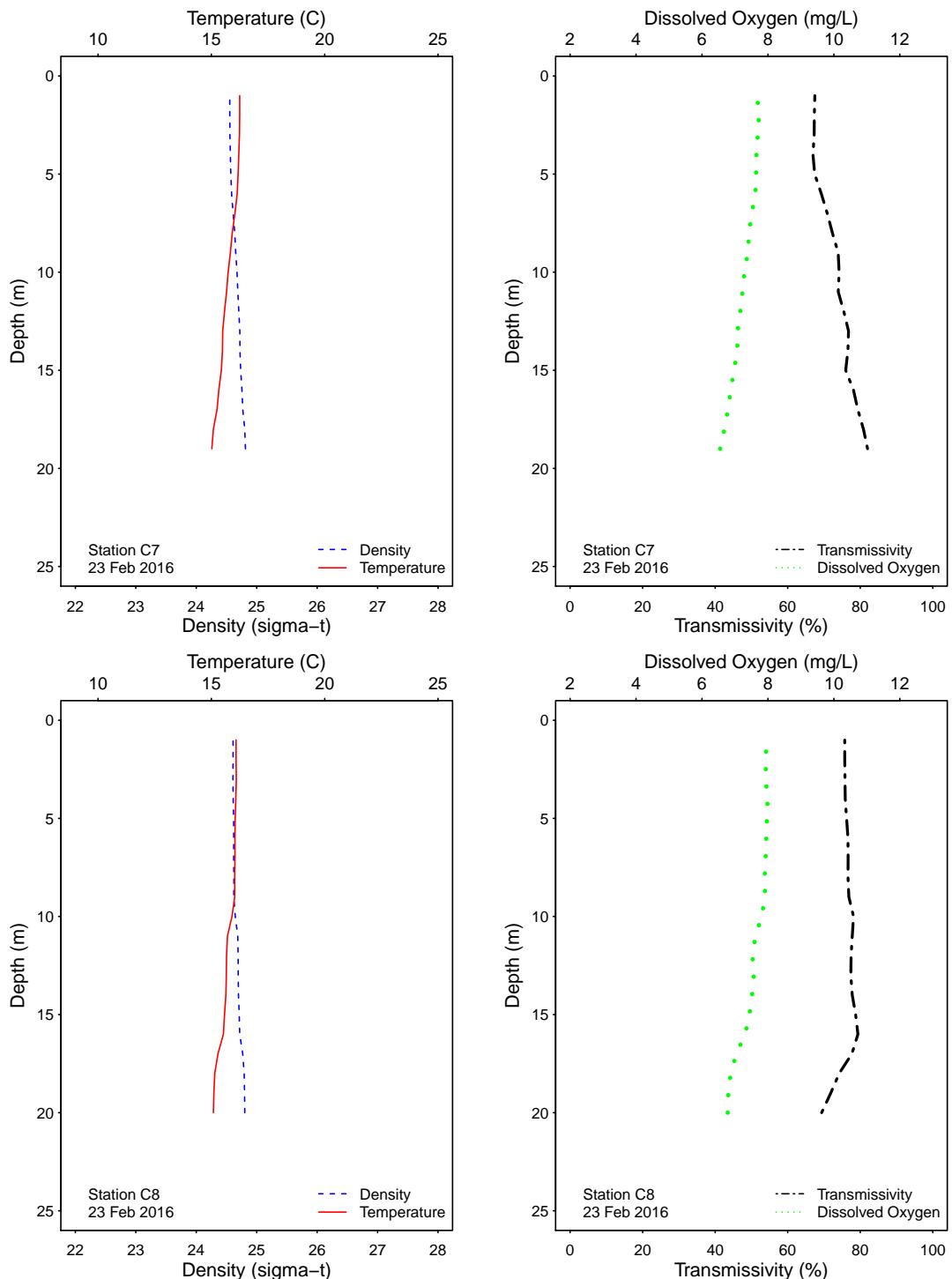


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

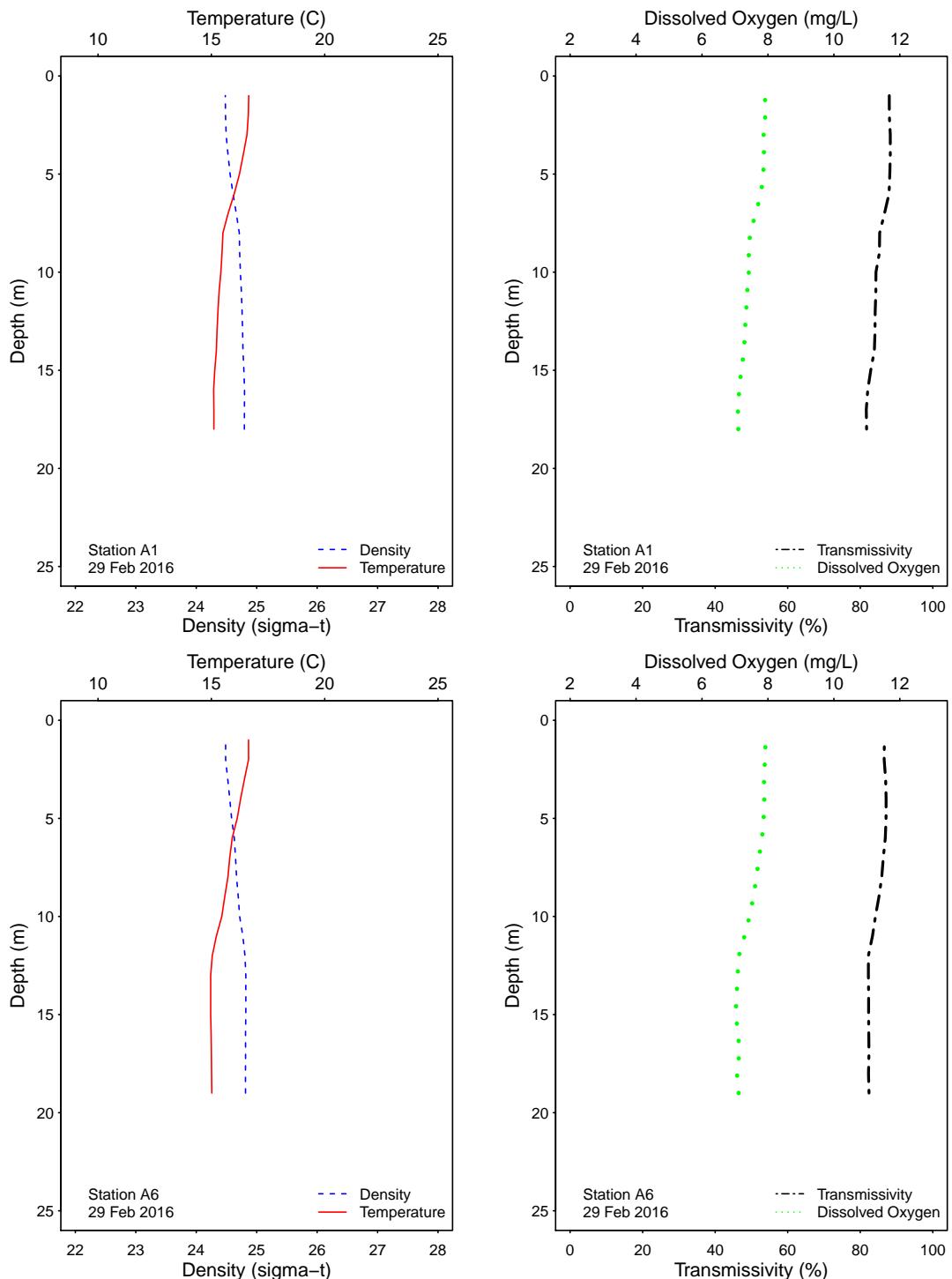


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

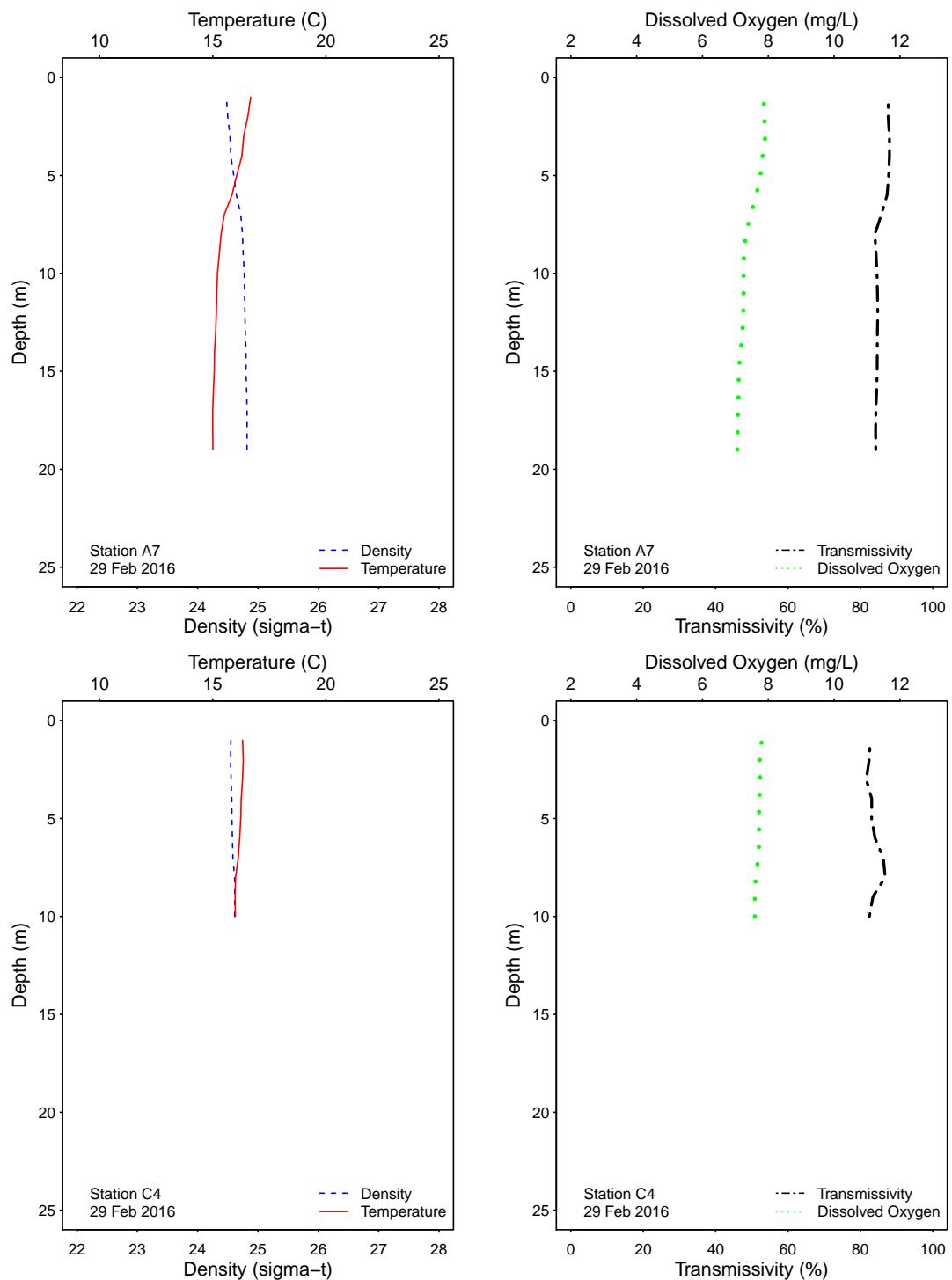


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

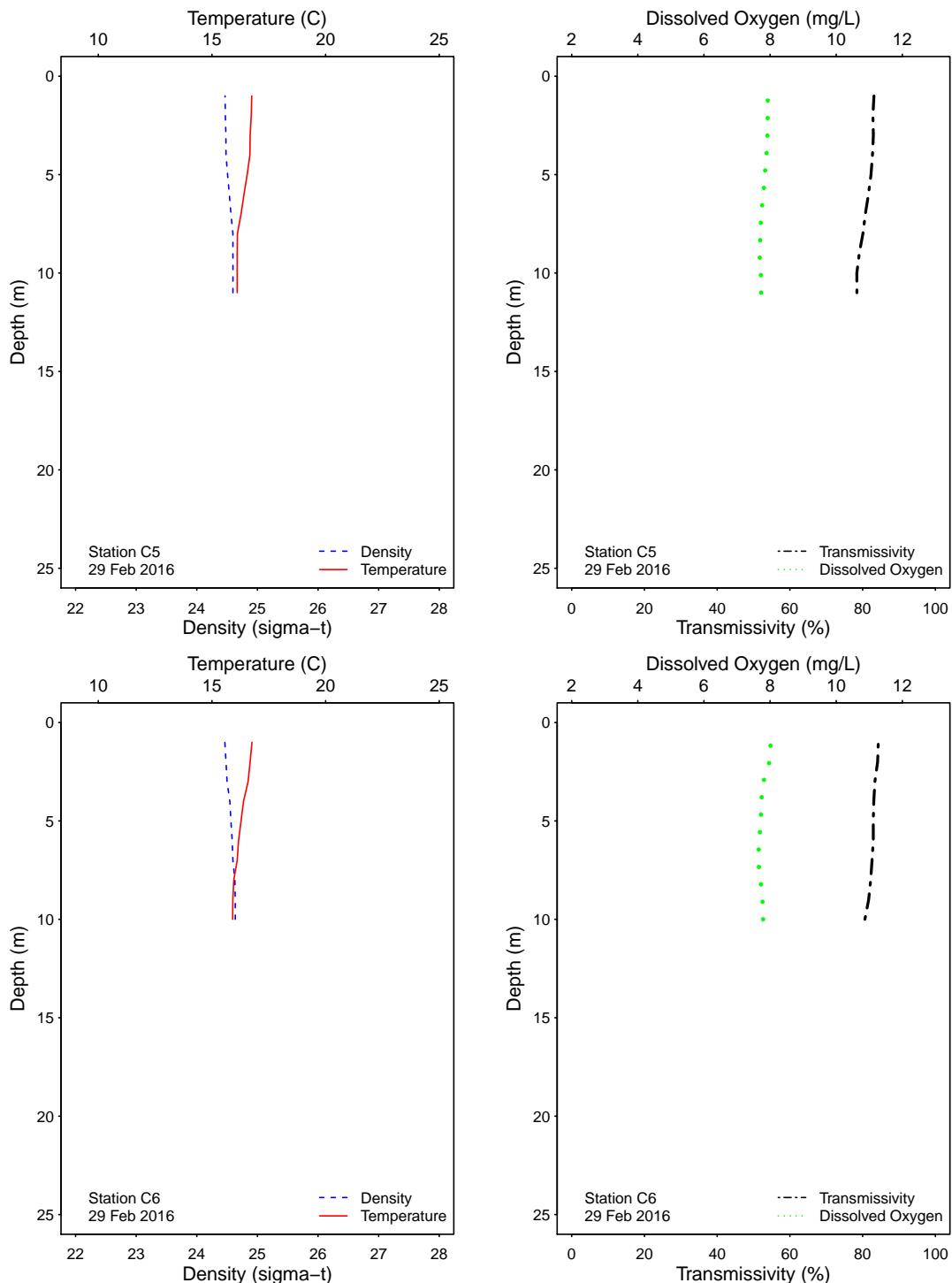


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

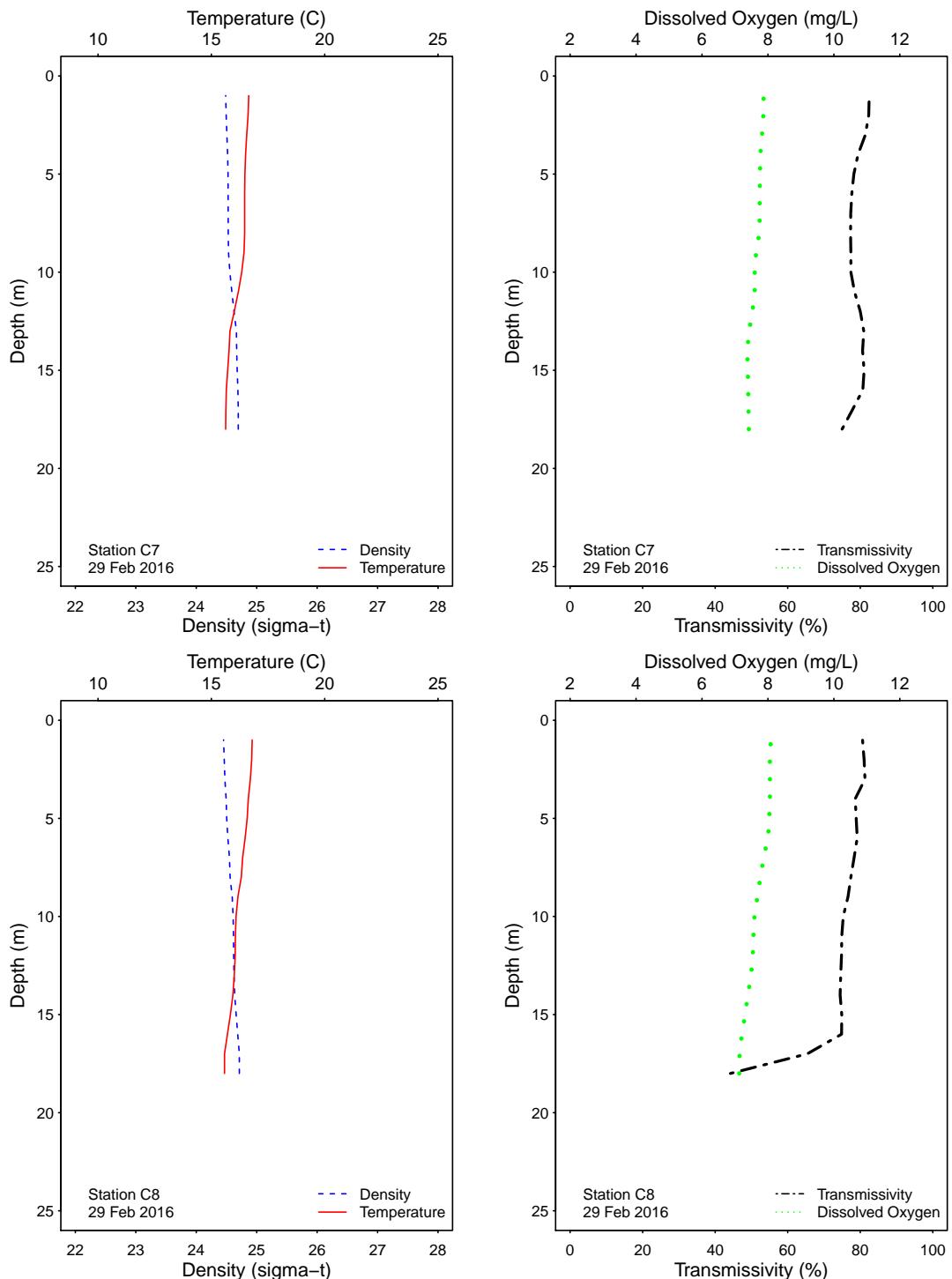


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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Offshore Stations

Table 4.1

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
02 Feb 2016	ns	IC	IC	E											
03 Feb 2016	IC	ns	ns	ns											

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	03 Feb 2016	1216	1	<2	<0.01	14.7	69.31	7.0	33.56	8.1
F01	03 Feb 2016	1216	12	<2	<0.01	14.5	79.70	6.6	33.54	8.1
F01	03 Feb 2016	1216	18	<2	0.01	14.4	74.59	6.5	33.54	8.1
F02	03 Feb 2016	842	1	<2	<0.01	15.2	75.37	7.5	33.59	8.1
F02	03 Feb 2016	842	12	<2	<0.01	15.2	77.05	7.3	33.59	8.1
F02	03 Feb 2016	842	18	<2	<0.01	15.2	77.33	7.2	33.59	8.1
F03	03 Feb 2016	901	1	<2	<0.01	15.2	74.66	7.5	33.58	8.2
F03	03 Feb 2016	901	12	<2	<0.01	15.1	74.01	7.2	33.59	8.1
F03	03 Feb 2016	901	18	4e	<0.01	14.8	73.86	6.5	33.56	8.1
F04	03 Feb 2016	1154	1	<2	ns	15.0	76.67	7.3	33.58	8.1
F04	03 Feb 2016	1154	25	4e	ns	13.6	84.85	5.8	33.48	8.1
F04	03 Feb 2016	1154	60	2e	ns	12.8	84.11	5.2	33.51	8.0
F05	03 Feb 2016	1143	1	<2	ns	15.4	76.45	7.4	33.60	8.2
F05	03 Feb 2016	1143	25	4e	ns	14.1	81.84	6.3	33.52	8.1
F05	03 Feb 2016	1143	60	2e	ns	13.0	75.31	5.4	33.47	8.0
F06	03 Feb 2016	1130	1	<2	<0.01	15.5	76.29	7.4	33.60	8.2
F06	03 Feb 2016	1130	25	<2	<0.01	14.8	76.85	6.9	33.57	8.1
F06	03 Feb 2016	1130	60	<2	0.02	12.6	73.44	5.5	33.44	8.0
F07	03 Feb 2016	1117	1	<2	<0.01	15.5	76.63	7.4	33.59	8.2
F07	03 Feb 2016	1117	25	<2	<0.01	14.6	78.63	6.6	33.54	8.1
F07	03 Feb 2016	1117	60	16e	0.04	13.3	76.57	5.5	33.50	8.0
F08	03 Feb 2016	1102	1	<2	<0.01	15.4	76.03	7.5	33.60	8.2
F08	03 Feb 2016	1102	25	<2	0.02	15.2	75.96	7.0	33.59	8.2
F08	03 Feb 2016	1102	60	10e	0.01	13.0	72.74	5.4	33.50	8.0
F09	03 Feb 2016	1049	1	<2	<0.01	15.5	76.79	7.4	33.60	8.2
F09	03 Feb 2016	1049	25	2e	<0.01	14.8	77.03	6.5	33.56	8.1
F09	03 Feb 2016	1049	60	18e	<0.01	12.7	68.02	5.2	33.49	8.0
F10	03 Feb 2016	1033	1	<2	<0.01	15.4	73.59	7.5	33.59	8.2
F10	03 Feb 2016	1033	25	8e	<0.01	14.3	79.99	6.3	33.52	8.1
F10	03 Feb 2016	1033	60	22e	<0.01	12.6	72.00	5.2	33.50	8.0
F11	03 Feb 2016	1014	1	<2	<0.01	15.4	77.43	7.5	33.60	8.2
F11	03 Feb 2016	1014	25	8e	<0.01	13.8	80.37	5.9	33.49	8.1
F11	03 Feb 2016	1014	60	18e	<0.01	12.6	64.30	5.1	33.50	8.0
F12	03 Feb 2016	957	1	<2	<0.01	15.3	76.03	7.6	33.59	8.2
F12	03 Feb 2016	957	25	6e	<0.01	14.1	77.90	5.8	33.51	8.1
F12	03 Feb 2016	957	60	10e	<0.01	12.4	71.63	5.0	33.52	7.9

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F13	03 Feb 2016	938	1	<2	<0.01	15.3	79.53	7.5	33.60	8.2
F13	03 Feb 2016	938	25	2e	<0.01	14.9	79.12	6.6	33.56	8.1
F13	03 Feb 2016	938	60	14e	<0.01	12.3	67.67	4.9	33.54	7.9
F14	03 Feb 2016	921	1	<2	<0.01	15.2	76.52	7.4	33.59	8.2
F14	03 Feb 2016	921	25	<2	<0.01	15.1	75.44	7.0	33.57	8.1
F14	03 Feb 2016	921	60	16e	<0.01	12.5	62.53	4.8	33.53	7.9
F15	02 Feb 2016	1152	1	<2	ns	15.7	79.06	7.5	33.59	8.2
F15	02 Feb 2016	1152	25	2e	ns	15.6	81.79	7.4	33.59	8.2
F15	02 Feb 2016	1152	60	<2	ns	11.9	90.51	5.5	33.43	8.0
F15	02 Feb 2016	1152	80	<2	ns	11.9	82.51	4.8	33.59	7.9
F16	02 Feb 2016	1137	1	<2	ns	15.7	82.91	7.5	33.60	8.2
F16	02 Feb 2016	1137	25	<2	ns	15.6	83.61	7.4	33.59	8.2
F16	02 Feb 2016	1137	60	<2	ns	11.8	90.61	5.4	33.46	8.0
F16	02 Feb 2016	1137	80	<2	ns	11.8	81.08	4.8	33.58	7.9
F17	02 Feb 2016	1120	1	<2	ns	15.7	83.81	7.1	33.57	8.2
F17	02 Feb 2016	1120	25	<2	ns	15.6	83.69	7.4	33.59	8.2
F17	02 Feb 2016	1120	60	<2	ns	11.9	90.52	5.4	33.48	8.0
F17	02 Feb 2016	1120	80	<2	ns	11.7	78.52	4.8	33.59	7.9
F18	02 Feb 2016	1104	1	<2	<0.01	15.6	84.55	7.5	33.59	8.2
F18	02 Feb 2016	1104	25	<2	0.02	15.6	84.37	7.4	33.59	8.2
F18	02 Feb 2016	1104	60	<2	<0.01	11.8	90.53	5.2	33.49	8.0
F18	02 Feb 2016	1104	80	2e	<0.01	11.6	73.28	4.8	33.58	7.9
F19	02 Feb 2016	1047	1	<2	<0.01	15.6	85.31	7.4	33.58	8.2
F19	02 Feb 2016	1047	25	<2	0.02	15.5	85.82	7.3	33.58	8.2
F19	02 Feb 2016	1047	60	40	0.01	11.9	88.63	5.0	33.53	8.0
F19	02 Feb 2016	1047	80	<2	<0.01	11.6	67.91	4.7	33.59	7.9
F20	02 Feb 2016	1030	1	<2	<0.01	15.5	85.47	7.4	33.58	8.2
F20	02 Feb 2016	1030	25	<2	<0.01	15.5	85.61	7.3	33.58	8.2
F20	02 Feb 2016	1030	60	320e	0.02	11.8	86.20	4.6	33.50	7.9
F20	02 Feb 2016	1030	80	4e	0.05	11.7	71.62	4.6	33.61	7.9
F21	02 Feb 2016	1015	1	<2	ns	15.5	85.43	7.4	33.58	8.2
F21	02 Feb 2016	1015	25	<2	ns	15.4	85.69	7.3	33.58	8.2
F21	02 Feb 2016	1015	60	320e	ns	11.9	89.41	5.0	33.51	8.0
F21	02 Feb 2016	1015	80	60e	ns	11.8	75.19	4.6	33.61	7.9
F22	02 Feb 2016	958	1	<2	ns	15.5	83.36	7.4	33.59	8.2
F22	02 Feb 2016	958	25	2e	ns	15.4	81.99	7.2	33.58	8.2
F22	02 Feb 2016	958	60	6e	ns	12.2	86.85	5.1	33.52	8.0
F22	02 Feb 2016	958	80	10e	ns	11.7	66.35	4.4	33.63	7.9
F23	02 Feb 2016	943	1	<2	ns	15.4	72.03	7.5	33.60	8.2
F23	02 Feb 2016	943	25	<2	ns	15.4	71.25	7.4	33.60	8.2
F23	02 Feb 2016	943	60	60	ns	12.3	80.75	4.8	33.55	8.0
F23	02 Feb 2016	943	80	6e	ns	11.7	69.92	4.4	33.64	7.9
F24	02 Feb 2016	925	1	<2	ns	15.3	69.82	7.4	33.60	8.2

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F24	02 Feb 2016	925	25	<2	ns	14.8	74.17	6.5	33.56	8.1
F24	02 Feb 2016	925	60	30e	ns	12.3	85.51	5.0	33.52	8.0
F24	02 Feb 2016	925	80	<2	ns	11.7	87.28	4.5	33.62	7.9
F25	02 Feb 2016	908	1	<2	ns	15.4	69.06	7.5	33.55	8.2
F25	02 Feb 2016	908	25	2e	ns	15.1	69.93	7.0	33.59	8.2
F25	02 Feb 2016	908	60	4e	ns	12.3	89.42	5.3	33.46	8.0
F25	02 Feb 2016	908	80	<2	ns	11.5	66.04	4.3	33.68	7.9
F26	05 Feb 2016	1147	1	<2	ns	15.5	83.03	7.6	33.59	8.2
F26	05 Feb 2016	1147	25	<2	ns	15.3	83.01	7.4	33.59	8.2
F26	05 Feb 2016	1147	60	<2	ns	12.9	89.51	5.3	33.48	8.0
F26	05 Feb 2016	1147	80	<2	ns	12.0	84.68	5.0	33.53	7.9
F26	05 Feb 2016	1147	98	<2	ns	11.5	64.85	4.6	33.61	7.9
F27	05 Feb 2016	1132	1	<2	ns	15.7	83.23	7.5	33.59	8.2
F27	05 Feb 2016	1132	25	<2	ns	15.3	84.07	7.0	33.58	8.2
F27	05 Feb 2016	1132	60	<2	ns	12.6	89.35	5.3	33.46	8.0
F27	05 Feb 2016	1132	80	<2	ns	12.0	88.77	5.2	33.49	7.9
F27	05 Feb 2016	1132	98	<2	ns	11.7	70.91	4.6	33.57	7.9
F28	05 Feb 2016	1118	1	<2	ns	15.5	83.63	7.5	33.59	8.2
F28	05 Feb 2016	1118	25	<2	ns	14.9	79.56	6.7	33.56	8.1
F28	05 Feb 2016	1118	60	<2	ns	12.2	89.99	5.4	33.44	8.0
F28	05 Feb 2016	1118	80	<2	ns	12.0	87.70	5.1	33.52	7.9
F28	05 Feb 2016	1118	98	<2	ns	11.7	54.43	4.6	33.58	7.9
F29	05 Feb 2016	1101	1	<2	ns	15.6	82.87	7.5	33.59	8.2
F29	05 Feb 2016	1101	25	<2	ns	15.3	82.04	7.5	33.59	8.2
F29	05 Feb 2016	1101	60	880	ns	12.3	79.06	5.2	33.37	7.9
F29	05 Feb 2016	1101	80	8e	ns	11.8	89.78	5.5	33.42	8.0
F29	05 Feb 2016	1101	98	4e	ns	11.5	54.51	4.6	33.60	7.9
F30	05 Feb 2016	1047	1	<2	ns	15.4	81.76	7.6	33.59	8.2
F30	05 Feb 2016	1047	25	<2	ns	15.2	81.95	7.3	33.58	8.2
F30	05 Feb 2016	1047	60	46	ns	12.9	84.92	5.2	33.44	8.0
F30	05 Feb 2016	1047	80	760	ns	11.8	64.23	4.7	33.32	7.9
F30	05 Feb 2016	1047	98	32e	ns	11.3	43.26	4.2	33.68	7.9
F31	05 Feb 2016	1032	1	<2	ns	15.3	82.95	7.5	33.59	8.2
F31	05 Feb 2016	1032	25	<2	ns	15.2	83.73	7.4	33.59	8.2
F31	05 Feb 2016	1032	60	86	ns	12.9	85.82	5.5	33.44	8.0
F31	05 Feb 2016	1032	80	110	ns	12.0	84.59	5.2	33.45	7.9
F31	05 Feb 2016	1032	98	42	ns	11.6	34.54	4.4	33.58	7.9
F32	05 Feb 2016	1017	1	<2	ns	15.4	83.85	7.4	33.59	8.2
F32	05 Feb 2016	1017	25	<2	ns	15.3	83.76	7.4	33.59	8.2
F32	05 Feb 2016	1017	60	28e	ns	12.8	88.03	5.6	33.42	8.0
F32	05 Feb 2016	1017	80	38e	ns	12.1	80.57	5.2	33.47	7.9
F32	05 Feb 2016	1017	98	62	ns	11.6	66.25	4.5	33.59	7.9
F33	05 Feb 2016	1003	1	<2	ns	15.4	83.65	7.5	33.59	8.2
F33	05 Feb 2016	1003	25	<2	ns	15.3	83.28	7.4	33.59	8.2
F33	05 Feb 2016	1003	60	14e	ns	13.2	83.00	5.4	33.49	8.0
F33	05 Feb 2016	1003	80	280e	ns	12.0	88.02	5.3	33.44	7.9

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F33	05 Feb 2016	1003	98	56	ns	11.8	66.72	4.5	33.57	7.9
F34	05 Feb 2016	922	1	<2	ns	15.4	82.72	7.5	33.59	8.2
F34	05 Feb 2016	922	25	<2	ns	15.3	83.38	7.4	33.59	8.2
F34	05 Feb 2016	922	60	20e	ns	13.3	81.39	5.4	33.50	8.0
F34	05 Feb 2016	922	80	82	ns	12.2	78.62	5.0	33.50	7.9
F34	05 Feb 2016	922	98	86	ns	11.8	82.11	4.7	33.55	7.9
F35	05 Feb 2016	906	1	<2	ns	15.5	85.52	7.5	33.59	8.2
F35	05 Feb 2016	906	25	<2	ns	15.4	85.44	7.5	33.59	8.2
F35	05 Feb 2016	906	60	<2	ns	13.3	90.27	5.4	33.49	8.0
F35	05 Feb 2016	906	80	34e	ns	12.3	85.98	5.1	33.50	7.9
F35	05 Feb 2016	906	98	88	ns	11.9	73.20	4.6	33.55	7.9
F36	05 Feb 2016	838	1	<2	ns	15.5	86.30	7.6	33.59	8.1
F36	05 Feb 2016	838	25	<2	ns	15.5	86.11	7.4	33.59	8.1
F36	05 Feb 2016	838	60	<2	ns	13.3	90.45	5.7	33.44	8.0
F36	05 Feb 2016	838	80	2e	ns	12.3	90.64	5.2	33.50	7.9
F36	05 Feb 2016	838	98	88	ns	11.8	87.05	4.6	33.55	7.9

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	03 Feb 2016	Depth (m)	18
F01	03 Feb 2016	Arrive Time	1216
F01	03 Feb 2016	Depart Time	1220
F01	03 Feb 2016	Air Temp (C)	14
F01	03 Feb 2016	Weather	Clear
F01	03 Feb 2016	Visibility (mi)	14
F01	03 Feb 2016	Wind Speed (kts)	2
F01	03 Feb 2016	Wind Dir	NE
F01	03 Feb 2016	Water Color	Green
F01	03 Feb 2016	Wave Ht Low (ft)	2
F01	03 Feb 2016	Wave Period (sec)	11
F01	03 Feb 2016	Sea State	Calm
F01	03 Feb 2016	High Tide (ft)	4.67
F01	03 Feb 2016	High Tide Time	457
F01	03 Feb 2016	Low Tide (ft)	0.35
F01	03 Feb 2016	Low Tide Time	1225
F01	03 Feb 2016	Comments	
F02	03 Feb 2016	Depth (m)	20
F02	03 Feb 2016	Arrive Time	842
F02	03 Feb 2016	Depart Time	855
F02	03 Feb 2016	Air Temp (C)	11
F02	03 Feb 2016	Weather	Clear
F02	03 Feb 2016	Visibility (mi)	14
F02	03 Feb 2016	Wind Speed (kts)	13
F02	03 Feb 2016	Wind Dir	N
F02	03 Feb 2016	Water Color	Green
F02	03 Feb 2016	Wave Ht Low (ft)	2
F02	03 Feb 2016	Wave Period (sec)	11
F02	03 Feb 2016	Sea State	Calm
F02	03 Feb 2016	High Tide (ft)	4.67
F02	03 Feb 2016	High Tide Time	457
F02	03 Feb 2016	Low Tide (ft)	0.35
F02	03 Feb 2016	Low Tide Time	1225
F02	03 Feb 2016	Comments	
F03	03 Feb 2016	Depth (m)	20
F03	03 Feb 2016	Arrive Time	901
F03	03 Feb 2016	Depart Time	907
F03	03 Feb 2016	Air Temp (C)	12
F03	03 Feb 2016	Weather	Clear
F03	03 Feb 2016	Visibility (mi)	14
F03	03 Feb 2016	Wind Speed (kts)	3
F03	03 Feb 2016	Wind Dir	S
F03	03 Feb 2016	Water Color	Green
F03	03 Feb 2016	Wave Ht Low (ft)	2
F03	03 Feb 2016	Wave Period (sec)	11
F03	03 Feb 2016	Sea State	Calm
F03	03 Feb 2016	High Tide (ft)	4.67
F03	03 Feb 2016	High Tide Time	457
F03	03 Feb 2016	Low Tide (ft)	0.35

Station	Date	Parameter	Value
F03	03 Feb 2016	Low Tide Time	1225
F03	03 Feb 2016	Comments	
F04	03 Feb 2016	Depth (m)	61
F04	03 Feb 2016	Arrive Time	1154
F04	03 Feb 2016	Depart Time	1159
F04	03 Feb 2016	Air Temp (C)	14
F04	03 Feb 2016	Weather	Clear
F04	03 Feb 2016	Visibility (mi)	14
F04	03 Feb 2016	Wind Speed (kts)	5
F04	03 Feb 2016	Wind Dir	SE
F04	03 Feb 2016	Water Color	Green
F04	03 Feb 2016	Wave Ht Low (ft)	2
F04	03 Feb 2016	Wave Period (sec)	11
F04	03 Feb 2016	Sea State	Calm
F04	03 Feb 2016	High Tide (ft)	4.67
F04	03 Feb 2016	High Tide Time	457
F04	03 Feb 2016	Low Tide (ft)	0.35
F04	03 Feb 2016	Low Tide Time	1225
F04	03 Feb 2016	Comments	
F05	03 Feb 2016	Depth (m)	61
F05	03 Feb 2016	Arrive Time	1143
F05	03 Feb 2016	Depart Time	1147
F05	03 Feb 2016	Air Temp (C)	14
F05	03 Feb 2016	Weather	Clear
F05	03 Feb 2016	Visibility (mi)	14
F05	03 Feb 2016	Wind Speed (kts)	8
F05	03 Feb 2016	Wind Dir	N
F05	03 Feb 2016	Water Color	Green
F05	03 Feb 2016	Wave Ht Low (ft)	2
F05	03 Feb 2016	Wave Period (sec)	11
F05	03 Feb 2016	Sea State	Calm
F05	03 Feb 2016	High Tide (ft)	4.67
F05	03 Feb 2016	High Tide Time	457
F05	03 Feb 2016	Low Tide (ft)	0.35
F05	03 Feb 2016	Low Tide Time	1225
F05	03 Feb 2016	Comments	
F06	03 Feb 2016	Depth (m)	61
F06	03 Feb 2016	Arrive Time	1130
F06	03 Feb 2016	Depart Time	1134
F06	03 Feb 2016	Air Temp (C)	13
F06	03 Feb 2016	Weather	Clear
F06	03 Feb 2016	Visibility (mi)	14
F06	03 Feb 2016	Wind Speed (kts)	7
F06	03 Feb 2016	Wind Dir	SW
F06	03 Feb 2016	Water Color	Green
F06	03 Feb 2016	Wave Ht Low (ft)	2
F06	03 Feb 2016	Wave Period (sec)	11
F06	03 Feb 2016	Sea State	Calm
F06	03 Feb 2016	High Tide (ft)	4.67
F06	03 Feb 2016	High Tide Time	457
F06	03 Feb 2016	Low Tide (ft)	0.35
F06	03 Feb 2016	Low Tide Time	1225

Station	Date	Parameter	Value
F06	03 Feb 2016	Comments	
F07	03 Feb 2016	Depth (m)	64
F07	03 Feb 2016	Arrive Time	1117
F07	03 Feb 2016	Depart Time	1122
F07	03 Feb 2016	Air Temp (C)	13
F07	03 Feb 2016	Weather	Clear
F07	03 Feb 2016	Visibility (mi)	14
F07	03 Feb 2016	Wind Speed (kts)	4
F07	03 Feb 2016	Wind Dir	E
F07	03 Feb 2016	Water Color	Green
F07	03 Feb 2016	Wave Ht Low (ft)	2
F07	03 Feb 2016	Wave Period (sec)	11
F07	03 Feb 2016	Sea State	Calm
F07	03 Feb 2016	High Tide (ft)	4.67
F07	03 Feb 2016	High Tide Time	457
F07	03 Feb 2016	Low Tide (ft)	0.35
F07	03 Feb 2016	Low Tide Time	1225
F07	03 Feb 2016	Comments	
F08	03 Feb 2016	Depth (m)	61
F08	03 Feb 2016	Arrive Time	1102
F08	03 Feb 2016	Depart Time	1107
F08	03 Feb 2016	Air Temp (C)	13
F08	03 Feb 2016	Weather	Clear
F08	03 Feb 2016	Visibility (mi)	14
F08	03 Feb 2016	Wind Speed (kts)	5
F08	03 Feb 2016	Wind Dir	W
F08	03 Feb 2016	Water Color	Green
F08	03 Feb 2016	Wave Ht Low (ft)	2
F08	03 Feb 2016	Wave Period (sec)	11
F08	03 Feb 2016	Sea State	Calm
F08	03 Feb 2016	High Tide (ft)	4.67
F08	03 Feb 2016	High Tide Time	457
F08	03 Feb 2016	Low Tide (ft)	0.35
F08	03 Feb 2016	Low Tide Time	1225
F08	03 Feb 2016	Comments	
F09	03 Feb 2016	Depth (m)	62
F09	03 Feb 2016	Arrive Time	1049
F09	03 Feb 2016	Depart Time	1054
F09	03 Feb 2016	Air Temp (C)	13
F09	03 Feb 2016	Weather	Clear
F09	03 Feb 2016	Visibility (mi)	14
F09	03 Feb 2016	Wind Speed (kts)	5
F09	03 Feb 2016	Wind Dir	NE
F09	03 Feb 2016	Water Color	Green
F09	03 Feb 2016	Wave Ht Low (ft)	2
F09	03 Feb 2016	Wave Period (sec)	11
F09	03 Feb 2016	Sea State	Calm
F09	03 Feb 2016	High Tide (ft)	4.67
F09	03 Feb 2016	High Tide Time	457
F09	03 Feb 2016	Low Tide (ft)	0.35
F09	03 Feb 2016	Low Tide Time	1225
F09	03 Feb 2016	Comments	

Station	Date	Parameter	Value
F10	03 Feb 2016	Depth (m)	62
F10	03 Feb 2016	Arrive Time	1033
F10	03 Feb 2016	Depart Time	1039
F10	03 Feb 2016	Air Temp (C)	13
F10	03 Feb 2016	Weather	Clear
F10	03 Feb 2016	Visibility (mi)	14
F10	03 Feb 2016	Wind Speed (kts)	6
F10	03 Feb 2016	Wind Dir	NE
F10	03 Feb 2016	Water Color	Green
F10	03 Feb 2016	Wave Ht Low (ft)	2
F10	03 Feb 2016	Wave Period (sec)	11
F10	03 Feb 2016	Sea State	Calm
F10	03 Feb 2016	High Tide (ft)	4.67
F10	03 Feb 2016	High Tide Time	457
F10	03 Feb 2016	Low Tide (ft)	0.35
F10	03 Feb 2016	Low Tide Time	1225
F10	03 Feb 2016	Comments	
F11	03 Feb 2016	Depth (m)	61
F11	03 Feb 2016	Arrive Time	1014
F11	03 Feb 2016	Depart Time	1024
F11	03 Feb 2016	Air Temp (C)	13
F11	03 Feb 2016	Weather	Clear
F11	03 Feb 2016	Visibility (mi)	14
F11	03 Feb 2016	Wind Speed (kts)	2
F11	03 Feb 2016	Wind Dir	N
F11	03 Feb 2016	Water Color	Green
F11	03 Feb 2016	Wave Ht Low (ft)	2
F11	03 Feb 2016	Wave Period (sec)	11
F11	03 Feb 2016	Sea State	Calm
F11	03 Feb 2016	High Tide (ft)	4.67
F11	03 Feb 2016	High Tide Time	457
F11	03 Feb 2016	Low Tide (ft)	0.35
F11	03 Feb 2016	Low Tide Time	1225
F11	03 Feb 2016	Comments	
F12	03 Feb 2016	Depth (m)	62
F12	03 Feb 2016	Arrive Time	957
F12	03 Feb 2016	Depart Time	1002
F12	03 Feb 2016	Air Temp (C)	13
F12	03 Feb 2016	Weather	Clear
F12	03 Feb 2016	Visibility (mi)	14
F12	03 Feb 2016	Wind Speed (kts)	1
F12	03 Feb 2016	Wind Dir	W
F12	03 Feb 2016	Water Color	Green
F12	03 Feb 2016	Wave Ht Low (ft)	2
F12	03 Feb 2016	Wave Period (sec)	11
F12	03 Feb 2016	Sea State	Calm
F12	03 Feb 2016	High Tide (ft)	4.67
F12	03 Feb 2016	High Tide Time	457
F12	03 Feb 2016	Low Tide (ft)	0.35
F12	03 Feb 2016	Low Tide Time	1225
F12	03 Feb 2016	Comments	

Station	Date	Parameter	Value
F13	03 Feb 2016	Depth (m)	61
F13	03 Feb 2016	Arrive Time	938
F13	03 Feb 2016	Depart Time	948
F13	03 Feb 2016	Air Temp (C)	12
F13	03 Feb 2016	Weather	Clear
F13	03 Feb 2016	Visibility (mi)	14
F13	03 Feb 2016	Wind Speed (kts)	2
F13	03 Feb 2016	Wind Dir	W
F13	03 Feb 2016	Water Color	Green
F13	03 Feb 2016	Wave Ht Low (ft)	2
F13	03 Feb 2016	Wave Period (sec)	11
F13	03 Feb 2016	Sea State	Calm
F13	03 Feb 2016	High Tide (ft)	4.67
F13	03 Feb 2016	High Tide Time	457
F13	03 Feb 2016	Low Tide (ft)	0.35
F13	03 Feb 2016	Low Tide Time	1225
F13	03 Feb 2016	Comments	
F14	03 Feb 2016	Depth (m)	21
F14	03 Feb 2016	Arrive Time	921
F14	03 Feb 2016	Depart Time	927
F14	03 Feb 2016	Air Temp (C)	13
F14	03 Feb 2016	Weather	Clear
F14	03 Feb 2016	Visibility (mi)	14
F14	03 Feb 2016	Wind Speed (kts)	5
F14	03 Feb 2016	Wind Dir	NW
F14	03 Feb 2016	Water Color	Green
F14	03 Feb 2016	Wave Ht Low (ft)	2
F14	03 Feb 2016	Wave Period (sec)	11
F14	03 Feb 2016	Sea State	Calm
F14	03 Feb 2016	High Tide (ft)	4.67
F14	03 Feb 2016	High Tide Time	457
F14	03 Feb 2016	Low Tide (ft)	0.35
F14	03 Feb 2016	Low Tide Time	1225
F14	03 Feb 2016	Comments	
F15	02 Feb 2016	Depth (m)	81
F15	02 Feb 2016	Arrive Time	1152
F15	02 Feb 2016	Depart Time	1159
F15	02 Feb 2016	Air Temp (C)	13
F15	02 Feb 2016	Weather	Clear
F15	02 Feb 2016	Visibility (mi)	11
F15	02 Feb 2016	Wind Speed (kts)	4
F15	02 Feb 2016	Wind Dir	S
F15	02 Feb 2016	Water Color	Bluish-Green
F15	02 Feb 2016	Wave Ht Low (ft)	4
F15	02 Feb 2016	Wave Period (sec)	9
F15	02 Feb 2016	Sea State	Calm
F15	02 Feb 2016	High Tide (ft)	4.32
F15	02 Feb 2016	High Tide Time	404
F15	02 Feb 2016	Low Tide (ft)	0.9
F15	02 Feb 2016	Low Tide Time	1142
F15	02 Feb 2016	Comments	Boats
F16	02 Feb 2016	Depth (m)	81

Station	Date	Parameter	Value
F16	02 Feb 2016	Arrive Time	1137
F16	02 Feb 2016	Depart Time	1142
F16	02 Feb 2016	Air Temp (C)	13
F16	02 Feb 2016	Weather	Clear
F16	02 Feb 2016	Visibility (mi)	11
F16	02 Feb 2016	Wind Speed (kts)	3
F16	02 Feb 2016	Wind Dir	NE
F16	02 Feb 2016	Water Color	Bluish-Green
F16	02 Feb 2016	Wave Ht Low (ft)	4
F16	02 Feb 2016	Wave Period (sec)	9
F16	02 Feb 2016	Sea State	Calm
F16	02 Feb 2016	High Tide (ft)	4.32
F16	02 Feb 2016	High Tide Time	404
F16	02 Feb 2016	Low Tide (ft)	0.9
F16	02 Feb 2016	Low Tide Time	1142
F16	02 Feb 2016	Comments	Boats
F17	02 Feb 2016	Depth (m)	81
F17	02 Feb 2016	Arrive Time	1120
F17	02 Feb 2016	Depart Time	1126
F17	02 Feb 2016	Air Temp (C)	13
F17	02 Feb 2016	Weather	Clear
F17	02 Feb 2016	Visibility (mi)	11
F17	02 Feb 2016	Wind Speed (kts)	3
F17	02 Feb 2016	Wind Dir	S
F17	02 Feb 2016	Water Color	Bluish-Green
F17	02 Feb 2016	Wave Ht Low (ft)	4
F17	02 Feb 2016	Wave Period (sec)	9
F17	02 Feb 2016	Sea State	Calm
F17	02 Feb 2016	High Tide (ft)	4.32
F17	02 Feb 2016	High Tide Time	404
F17	02 Feb 2016	Low Tide (ft)	0.9
F17	02 Feb 2016	Low Tide Time	1142
F17	02 Feb 2016	Comments	
F18	02 Feb 2016	Depth (m)	81
F18	02 Feb 2016	Arrive Time	1104
F18	02 Feb 2016	Depart Time	1111
F18	02 Feb 2016	Air Temp (C)	13
F18	02 Feb 2016	Weather	Clear
F18	02 Feb 2016	Visibility (mi)	11
F18	02 Feb 2016	Wind Speed (kts)	4
F18	02 Feb 2016	Wind Dir	SW
F18	02 Feb 2016	Water Color	Bluish-Green
F18	02 Feb 2016	Wave Ht Low (ft)	4
F18	02 Feb 2016	Wave Period (sec)	9
F18	02 Feb 2016	Sea State	Calm
F18	02 Feb 2016	High Tide (ft)	4.32
F18	02 Feb 2016	High Tide Time	404
F18	02 Feb 2016	Low Tide (ft)	0.9
F18	02 Feb 2016	Low Tide Time	1142
F18	02 Feb 2016	Comments	Boats
F19	02 Feb 2016	Depth (m)	82
F19	02 Feb 2016	Arrive Time	1047

Station	Date	Parameter	Value
F19	02 Feb 2016	Depart Time	1054
F19	02 Feb 2016	Air Temp (C)	12
F19	02 Feb 2016	Weather	Clear
F19	02 Feb 2016	Visibility (mi)	11
F19	02 Feb 2016	Wind Speed (kts)	7
F19	02 Feb 2016	Wind Dir	E
F19	02 Feb 2016	Water Color	Bluish-Green
F19	02 Feb 2016	Wave Ht Low (ft)	4
F19	02 Feb 2016	Wave Period (sec)	9
F19	02 Feb 2016	Sea State	Calm
F19	02 Feb 2016	High Tide (ft)	4.32
F19	02 Feb 2016	High Tide Time	404
F19	02 Feb 2016	Low Tide (ft)	0.9
F19	02 Feb 2016	Low Tide Time	1142
F19	02 Feb 2016	Comments	
F20	02 Feb 2016	Depth (m)	81
F20	02 Feb 2016	Arrive Time	1030
F20	02 Feb 2016	Depart Time	1036
F20	02 Feb 2016	Air Temp (C)	12
F20	02 Feb 2016	Weather	Clear
F20	02 Feb 2016	Visibility (mi)	11
F20	02 Feb 2016	Wind Speed (kts)	8
F20	02 Feb 2016	Wind Dir	E
F20	02 Feb 2016	Water Color	Bluish-Green
F20	02 Feb 2016	Wave Ht Low (ft)	4
F20	02 Feb 2016	Wave Period (sec)	9
F20	02 Feb 2016	Sea State	Calm
F20	02 Feb 2016	High Tide (ft)	4.32
F20	02 Feb 2016	High Tide Time	404
F20	02 Feb 2016	Low Tide (ft)	0.9
F20	02 Feb 2016	Low Tide Time	1142
F20	02 Feb 2016	Comments	
F21	02 Feb 2016	Depth (m)	84
F21	02 Feb 2016	Arrive Time	1015
F21	02 Feb 2016	Depart Time	1021
F21	02 Feb 2016	Air Temp (C)	12
F21	02 Feb 2016	Weather	Clear
F21	02 Feb 2016	Visibility (mi)	11
F21	02 Feb 2016	Wind Speed (kts)	8
F21	02 Feb 2016	Wind Dir	NE
F21	02 Feb 2016	Water Color	Bluish-Green
F21	02 Feb 2016	Wave Ht Low (ft)	4
F21	02 Feb 2016	Wave Period (sec)	9
F21	02 Feb 2016	Sea State	Calm
F21	02 Feb 2016	High Tide (ft)	4.32
F21	02 Feb 2016	High Tide Time	404
F21	02 Feb 2016	Low Tide (ft)	0.9
F21	02 Feb 2016	Low Tide Time	1142
F21	02 Feb 2016	Comments	
F22	02 Feb 2016	Depth (m)	81
F22	02 Feb 2016	Arrive Time	958
F22	02 Feb 2016	Depart Time	1003

Station	Date	Parameter	Value
F22	02 Feb 2016	Air Temp (C)	12
F22	02 Feb 2016	Weather	Clear
F22	02 Feb 2016	Visibility (mi)	11
F22	02 Feb 2016	Wind Speed (kts)	7
F22	02 Feb 2016	Wind Dir	SE
F22	02 Feb 2016	Water Color	Green
F22	02 Feb 2016	Wave Ht Low (ft)	4
F22	02 Feb 2016	Wave Period (sec)	9
F22	02 Feb 2016	Sea State	Calm
F22	02 Feb 2016	High Tide (ft)	4.32
F22	02 Feb 2016	High Tide Time	404
F22	02 Feb 2016	Low Tide (ft)	0.9
F22	02 Feb 2016	Low Tide Time	1142
F22	02 Feb 2016	Comments	
F24	02 Feb 2016	Depth (m)	82
F24	02 Feb 2016	Arrive Time	925
F24	02 Feb 2016	Depart Time	931
F24	02 Feb 2016	Air Temp (C)	11
F24	02 Feb 2016	Weather	Clear
F24	02 Feb 2016	Visibility (mi)	11
F24	02 Feb 2016	Wind Speed (kts)	10
F24	02 Feb 2016	Wind Dir	NE
F24	02 Feb 2016	Water Color	Green
F24	02 Feb 2016	Wave Ht Low (ft)	3
F24	02 Feb 2016	Wave Period (sec)	9
F24	02 Feb 2016	Sea State	Calm
F24	02 Feb 2016	High Tide (ft)	4.32
F24	02 Feb 2016	High Tide Time	404
F24	02 Feb 2016	Low Tide (ft)	0.9
F24	02 Feb 2016	Low Tide Time	1142
F24	02 Feb 2016	Comments	
F25	02 Feb 2016	Depth (m)	81
F25	02 Feb 2016	Arrive Time	908
F25	02 Feb 2016	Depart Time	913
F25	02 Feb 2016	Air Temp (C)	11
F25	02 Feb 2016	Weather	Clear
F25	02 Feb 2016	Visibility (mi)	11
F25	02 Feb 2016	Wind Speed (kts)	8
F25	02 Feb 2016	Wind Dir	S
F25	02 Feb 2016	Water Color	Green
F25	02 Feb 2016	Wave Ht Low (ft)	3
F25	02 Feb 2016	Wave Period (sec)	9
F25	02 Feb 2016	Sea State	Calm
F25	02 Feb 2016	High Tide (ft)	4.32
F25	02 Feb 2016	High Tide Time	404
F25	02 Feb 2016	Low Tide (ft)	0.9
F25	02 Feb 2016	Low Tide Time	1142
F25	02 Feb 2016	Comments	
F26	05 Feb 2016	Depth (m)	98
F26	05 Feb 2016	Arrive Time	1147
F26	05 Feb 2016	Depart Time	1154
F26	05 Feb 2016	Air Temp (C)	16

Station	Date	Parameter	Value
F26	05 Feb 2016	Weather	Clear
F26	05 Feb 2016	Visibility (mi)	15
F26	05 Feb 2016	Wind Speed (kts)	5
F26	05 Feb 2016	Wind Dir	E
F26	05 Feb 2016	Water Color	Bluish-Green
F26	05 Feb 2016	Wave Ht Low (ft)	6
F26	05 Feb 2016	Wave Period (sec)	16
F26	05 Feb 2016	Sea State	Wind ripples
F26	05 Feb 2016	High Tide (ft)	5.48
F26	05 Feb 2016	High Tide Time	625
F26	05 Feb 2016	Low Tide (ft)	-0.63
F26	05 Feb 2016	Low Tide Time	1336
F26	05 Feb 2016	Comments	
F27	05 Feb 2016	Depth (m)	99
F27	05 Feb 2016	Arrive Time	1132
F27	05 Feb 2016	Depart Time	1140
F27	05 Feb 2016	Air Temp (C)	16
F27	05 Feb 2016	Weather	Clear
F27	05 Feb 2016	Visibility (mi)	13
F27	05 Feb 2016	Wind Speed (kts)	3
F27	05 Feb 2016	Wind Dir	N
F27	05 Feb 2016	Water Color	Bluish-Green
F27	05 Feb 2016	Wave Ht Low (ft)	6
F27	05 Feb 2016	Wave Period (sec)	16
F27	05 Feb 2016	Sea State	Wind ripples
F27	05 Feb 2016	High Tide (ft)	5.48
F27	05 Feb 2016	High Tide Time	625
F27	05 Feb 2016	Low Tide (ft)	-0.63
F27	05 Feb 2016	Low Tide Time	1336
F27	05 Feb 2016	Comments	
F28	05 Feb 2016	Depth (m)	100
F28	05 Feb 2016	Arrive Time	1118
F28	05 Feb 2016	Depart Time	1126
F28	05 Feb 2016	Air Temp (C)	16
F28	05 Feb 2016	Weather	Clear
F28	05 Feb 2016	Visibility (mi)	12
F28	05 Feb 2016	Wind Speed (kts)	2
F28	05 Feb 2016	Wind Dir	SW
F28	05 Feb 2016	Water Color	Bluish-Green
F28	05 Feb 2016	Wave Ht Low (ft)	6
F28	05 Feb 2016	Wave Period (sec)	16
F28	05 Feb 2016	Sea State	Wind ripples
F28	05 Feb 2016	High Tide (ft)	5.48
F28	05 Feb 2016	High Tide Time	625
F28	05 Feb 2016	Low Tide (ft)	-0.63
F28	05 Feb 2016	Low Tide Time	1336
F28	05 Feb 2016	Comments	
F29	05 Feb 2016	Depth (m)	99
F29	05 Feb 2016	Arrive Time	1101
F29	05 Feb 2016	Depart Time	1111
F29	05 Feb 2016	Air Temp (C)	16
F29	05 Feb 2016	Weather	Clear

Station	Date	Parameter	Value
F29	05 Feb 2016	Visibility (mi)	10
F29	05 Feb 2016	Wind Speed (kts)	1
F29	05 Feb 2016	Wind Dir	SW
F29	05 Feb 2016	Water Color	Bluish-Green
F29	05 Feb 2016	Wave Ht Low (ft)	6
F29	05 Feb 2016	Wave Period (sec)	16
F29	05 Feb 2016	Sea State	Wind ripples
F29	05 Feb 2016	High Tide (ft)	5.48
F29	05 Feb 2016	High Tide Time	625
F29	05 Feb 2016	Low Tide (ft)	-0.63
F29	05 Feb 2016	Low Tide Time	1336
F29	05 Feb 2016	Comments	
F30	05 Feb 2016	Depth (m)	98
F30	05 Feb 2016	Arrive Time	1047
F30	05 Feb 2016	Depart Time	1054
F30	05 Feb 2016	Air Temp (C)	16
F30	05 Feb 2016	Weather	Clear
F30	05 Feb 2016	Visibility (mi)	10
F30	05 Feb 2016	Wind Speed (kts)	4
F30	05 Feb 2016	Wind Dir	SE
F30	05 Feb 2016	Water Color	Bluish-Green
F30	05 Feb 2016	Wave Ht Low (ft)	6
F30	05 Feb 2016	Wave Period (sec)	16
F30	05 Feb 2016	Sea State	Wind ripples
F30	05 Feb 2016	High Tide (ft)	5.48
F30	05 Feb 2016	High Tide Time	625
F30	05 Feb 2016	Low Tide (ft)	-0.63
F30	05 Feb 2016	Low Tide Time	1336
F30	05 Feb 2016	Comments	
F31	05 Feb 2016	Depth (m)	98
F31	05 Feb 2016	Arrive Time	1032
F31	05 Feb 2016	Depart Time	1041
F31	05 Feb 2016	Air Temp (C)	16
F31	05 Feb 2016	Weather	Clear
F31	05 Feb 2016	Visibility (mi)	8
F31	05 Feb 2016	Wind Speed (kts)	2
F31	05 Feb 2016	Wind Dir	E
F31	05 Feb 2016	Water Color	Bluish-Green
F31	05 Feb 2016	Wave Ht Low (ft)	6
F31	05 Feb 2016	Wave Period (sec)	16
F31	05 Feb 2016	Sea State	Wind ripples
F31	05 Feb 2016	High Tide (ft)	5.48
F31	05 Feb 2016	High Tide Time	625
F31	05 Feb 2016	Low Tide (ft)	-0.63
F31	05 Feb 2016	Low Tide Time	1336
F31	05 Feb 2016	Comments	
F32	05 Feb 2016	Depth (m)	100
F32	05 Feb 2016	Arrive Time	1017
F32	05 Feb 2016	Depart Time	1025
F32	05 Feb 2016	Air Temp (C)	15
F32	05 Feb 2016	Weather	Clear
F32	05 Feb 2016	Visibility (mi)	8

Station	Date	Parameter	Value
F32	05 Feb 2016	Wind Speed (kts)	11
F32	05 Feb 2016	Wind Dir	SE
F32	05 Feb 2016	Water Color	Bluish-Green
F32	05 Feb 2016	Wave Ht Low (ft)	7
F32	05 Feb 2016	Wave Period (sec)	16
F32	05 Feb 2016	Sea State	Wind ripples
F32	05 Feb 2016	High Tide (ft)	5.48
F32	05 Feb 2016	High Tide Time	625
F32	05 Feb 2016	Low Tide (ft)	-0.63
F32	05 Feb 2016	Low Tide Time	1336
F32	05 Feb 2016	Comments	
F33	05 Feb 2016	Depth (m)	101
F33	05 Feb 2016	Arrive Time	1003
F33	05 Feb 2016	Depart Time	1012
F33	05 Feb 2016	Air Temp (C)	16
F33	05 Feb 2016	Weather	Clear
F33	05 Feb 2016	Visibility (mi)	6
F33	05 Feb 2016	Wind Speed (kts)	2
F33	05 Feb 2016	Wind Dir	E
F33	05 Feb 2016	Water Color	Bluish-Green
F33	05 Feb 2016	Wave Ht Low (ft)	7
F33	05 Feb 2016	Wave Period (sec)	16
F33	05 Feb 2016	Sea State	Calm
F33	05 Feb 2016	High Tide (ft)	5.48
F33	05 Feb 2016	High Tide Time	625
F33	05 Feb 2016	Low Tide (ft)	-0.63
F33	05 Feb 2016	Low Tide Time	1336
F33	05 Feb 2016	Comments	
F34	05 Feb 2016	Depth (m)	101
F34	05 Feb 2016	Arrive Time	922
F34	05 Feb 2016	Depart Time	945
F34	05 Feb 2016	Air Temp (C)	15
F34	05 Feb 2016	Weather	Clear
F34	05 Feb 2016	Visibility (mi)	6
F34	05 Feb 2016	Wind Speed (kts)	3
F34	05 Feb 2016	Wind Dir	E
F34	05 Feb 2016	Water Color	Bluish-Green
F34	05 Feb 2016	Wave Ht Low (ft)	7
F34	05 Feb 2016	Wave Period (sec)	16
F34	05 Feb 2016	Sea State	Calm
F34	05 Feb 2016	High Tide (ft)	5.48
F34	05 Feb 2016	High Tide Time	625
F34	05 Feb 2016	Low Tide (ft)	-0.63
F34	05 Feb 2016	Low Tide Time	1336
F34	05 Feb 2016	Comments	
F35	05 Feb 2016	Depth (m)	100
F35	05 Feb 2016	Arrive Time	906
F35	05 Feb 2016	Depart Time	913
F35	05 Feb 2016	Air Temp (C)	14
F35	05 Feb 2016	Weather	Clear
F35	05 Feb 2016	Visibility (mi)	6
F35	05 Feb 2016	Wind Speed (kts)	1

Station	Date	Parameter	Value
F35	05 Feb 2016	Wind Dir	S
F35	05 Feb 2016	Water Color	Bluish-Green
F35	05 Feb 2016	Wave Ht Low (ft)	7
F35	05 Feb 2016	Wave Period (sec)	16
F35	05 Feb 2016	Sea State	Calm
F35	05 Feb 2016	High Tide (ft)	5.48
F35	05 Feb 2016	High Tide Time	625
F35	05 Feb 2016	Low Tide (ft)	-0.63
F35	05 Feb 2016	Low Tide Time	1336
F35	05 Feb 2016	Comments	
F36	05 Feb 2016	Depth (m)	100
F36	05 Feb 2016	Arrive Time	838
F36	05 Feb 2016	Depart Time	858
F36	05 Feb 2016	Air Temp (C)	15
F36	05 Feb 2016	Weather	Clear
F36	05 Feb 2016	Visibility (mi)	5
F36	05 Feb 2016	Wind Speed (kts)	0
F36	05 Feb 2016	Wind Dir	
F36	05 Feb 2016	Water Color	Bluish-Green
F36	05 Feb 2016	Wave Ht Low (ft)	7
F36	05 Feb 2016	Wave Period (sec)	16
F36	05 Feb 2016	Sea State	Calm
F36	05 Feb 2016	High Tide (ft)	5.48
F36	05 Feb 2016	High Tide Time	625
F36	05 Feb 2016	Low Tide (ft)	-0.63
F36	05 Feb 2016	Low Tide Time	1336
F36	05 Feb 2016	Comments	Bottles 3 and 4 did not fire on first cast - 60m and 80m samples taken on 2nd cast

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F01	03 Feb 2016	1	14.73	69.31	7.0	33.56	8.1	24.9	0.63
F01	03 Feb 2016	2	14.72	72.57	7.0	33.56	8.1	24.9	0.67
F01	03 Feb 2016	3	14.65	75.97	6.8	33.55	8.1	24.9	0.65
F01	03 Feb 2016	4	14.60	78.36	6.8	33.55	8.1	24.9	0.71
F01	03 Feb 2016	5	14.60	78.60	6.8	33.55	8.1	24.9	0.80
F01	03 Feb 2016	6	14.61	78.21	6.8	33.55	8.1	24.9	0.97
F01	03 Feb 2016	7	14.61	77.86	6.7	33.55	8.1	24.9	0.91
F01	03 Feb 2016	8	14.59	79.01	6.7	33.54	8.1	24.9	0.93
F01	03 Feb 2016	9	14.58	79.72	6.7	33.54	8.1	24.9	0.96
F01	03 Feb 2016	10	14.56	80.35	6.7	33.54	8.1	24.9	1.00
F01	03 Feb 2016	11	14.55	80.34	6.6	33.54	8.1	24.9	1.19
F01	03 Feb 2016	12	14.49	79.70	6.6	33.54	8.1	25.0	1.32
F01	03 Feb 2016	13	14.42	76.78	6.6	33.54	8.1	25.0	1.30
F01	03 Feb 2016	14	14.41	75.20	6.6	33.54	8.1	25.0	1.31
F01	03 Feb 2016	15	14.41	75.64	6.6	33.54	8.1	25.0	1.32
F01	03 Feb 2016	16	14.41	75.09	6.5	33.54	8.1	25.0	1.30
F01	03 Feb 2016	17	14.40	74.46	6.6	33.54	8.1	25.0	1.33
F01	03 Feb 2016	18	14.40	74.59	6.5	33.54	8.1	25.0	1.29
F01	03 Feb 2016	19	14.40	74.89	6.6	33.54	8.1	25.0	1.30
F02	03 Feb 2016	1	15.24	75.37	7.5	33.59	8.1	24.8	1.12
F02	03 Feb 2016	2	15.24	75.90	7.5	33.59	8.1	24.8	1.17
F02	03 Feb 2016	3	15.23	76.46	7.4	33.59	8.1	24.8	1.32
F02	03 Feb 2016	4	15.24	76.44	7.4	33.59	8.1	24.8	1.46
F02	03 Feb 2016	5	15.24	76.50	7.4	33.59	8.1	24.8	1.53
F02	03 Feb 2016	6	15.23	76.59	7.4	33.59	8.1	24.8	1.54
F02	03 Feb 2016	7	15.23	76.64	7.4	33.59	8.1	24.8	1.54
F02	03 Feb 2016	8	15.23	76.56	7.4	33.59	8.1	24.8	1.55
F02	03 Feb 2016	9	15.23	76.80	7.4	33.59	8.1	24.8	1.54
F02	03 Feb 2016	10	15.23	76.96	7.4	33.59	8.1	24.8	1.52
F02	03 Feb 2016	11	15.23	76.87	7.3	33.59	8.1	24.8	1.50
F02	03 Feb 2016	12	15.22	77.05	7.3	33.59	8.1	24.8	1.49
F02	03 Feb 2016	13	15.20	76.99	7.3	33.59	8.1	24.8	1.47
F02	03 Feb 2016	14	15.19	77.06	7.3	33.59	8.1	24.8	1.49
F02	03 Feb 2016	15	15.20	77.19	7.3	33.59	8.1	24.8	1.50
F02	03 Feb 2016	16	15.20	77.06	7.3	33.59	8.1	24.8	1.48
F02	03 Feb 2016	17	15.19	77.28	7.2	33.59	8.1	24.8	1.41
F02	03 Feb 2016	18	15.17	77.33	7.2	33.59	8.1	24.8	1.32
F02	03 Feb 2016	19	15.11	77.48	6.9	33.59	8.1	24.9	1.10
F02	03 Feb 2016	20	14.87	77.60	6.8	33.57	8.1	24.9	1.10
F03	03 Feb 2016	1	15.21	74.66	7.5	33.58	8.2	24.8	1.23
F03	03 Feb 2016	2	15.21	74.58	7.5	33.58	8.2	24.8	1.28
F03	03 Feb 2016	3	15.21	74.48	7.5	33.58	8.2	24.8	1.38
F03	03 Feb 2016	4	15.21	74.53	7.5	33.58	8.2	24.8	1.45
F03	03 Feb 2016	5	15.21	74.57	7.4	33.59	8.2	24.8	1.53
F03	03 Feb 2016	6	15.20	74.65	7.4	33.59	8.2	24.8	1.58
F03	03 Feb 2016	7	15.20	74.61	7.4	33.59	8.2	24.8	1.64
F03	03 Feb 2016	8	15.20	74.67	7.4	33.59	8.2	24.8	1.64
F03	03 Feb 2016	9	15.20	74.56	7.3	33.59	8.2	24.8	1.61
F03	03 Feb 2016	10	15.18	74.39	7.3	33.59	8.2	24.8	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F03	03 Feb 2016	11	15.17	74.24	7.2	33.59	8.1	24.8	1.52
F03	03 Feb 2016	12	15.14	74.01	7.2	33.59	8.1	24.9	1.41
F03	03 Feb 2016	13	15.10	74.21	7.0	33.58	8.1	24.9	1.34
F03	03 Feb 2016	14	15.05	74.68	7.0	33.58	8.1	24.9	1.32
F03	03 Feb 2016	15	15.04	75.59	7.0	33.58	8.1	24.9	1.26
F03	03 Feb 2016	16	14.98	75.89	6.8	33.57	8.1	24.9	1.14
F03	03 Feb 2016	17	14.90	75.51	6.7	33.56	8.1	24.9	1.10
F03	03 Feb 2016	18	14.79	73.86	6.5	33.56	8.1	24.9	1.06
F03	03 Feb 2016	19	14.69	67.11	6.5	33.55	8.1	24.9	1.05
F03	03 Feb 2016	20	14.65	56.23	6.6	33.55	8.1	24.9	1.08
F04	03 Feb 2016	1	15.04	76.67	7.3	33.58	8.1	24.9	0.74
F04	03 Feb 2016	2	15.03	76.52	7.3	33.58	8.1	24.9	0.74
F04	03 Feb 2016	3	15.03	76.57	7.3	33.58	8.1	24.9	0.73
F04	03 Feb 2016	4	15.04	76.53	7.3	33.58	8.1	24.9	0.76
F04	03 Feb 2016	5	15.04	76.60	7.3	33.58	8.1	24.9	0.97
F04	03 Feb 2016	6	15.04	76.42	7.3	33.58	8.1	24.9	1.18
F04	03 Feb 2016	7	15.04	76.12	7.3	33.59	8.1	24.9	1.33
F04	03 Feb 2016	8	15.04	75.46	7.3	33.59	8.1	24.9	1.42
F04	03 Feb 2016	9	15.03	75.20	7.3	33.59	8.1	24.9	1.48
F04	03 Feb 2016	10	15.02	75.36	7.2	33.59	8.1	24.9	1.52
F04	03 Feb 2016	11	15.00	75.42	7.2	33.59	8.1	24.9	1.54
F04	03 Feb 2016	12	14.98	75.28	7.2	33.59	8.1	24.9	1.59
F04	03 Feb 2016	13	14.92	75.16	7.2	33.58	8.1	24.9	1.59
F04	03 Feb 2016	14	14.88	75.23	7.2	33.58	8.1	24.9	1.54
F04	03 Feb 2016	15	14.85	75.78	7.0	33.58	8.1	24.9	1.45
F04	03 Feb 2016	16	14.79	75.84	7.0	33.57	8.1	24.9	1.40
F04	03 Feb 2016	17	14.74	76.23	6.9	33.57	8.1	24.9	1.44
F04	03 Feb 2016	18	14.74	76.78	6.8	33.57	8.1	24.9	1.29
F04	03 Feb 2016	19	14.63	76.85	6.3	33.56	8.1	24.9	0.97
F04	03 Feb 2016	20	14.41	76.81	6.1	33.55	8.1	25.0	0.79
F04	03 Feb 2016	21	13.99	79.01	6.0	33.52	8.1	25.0	0.70
F04	03 Feb 2016	22	13.77	81.91	6.0	33.50	8.1	25.1	0.66
F04	03 Feb 2016	23	13.72	83.71	6.0	33.49	8.1	25.1	0.61
F04	03 Feb 2016	24	13.66	84.51	5.9	33.48	8.1	25.1	0.56
F04	03 Feb 2016	25	13.61	84.85	5.8	33.48	8.1	25.1	0.50
F04	03 Feb 2016	26	13.52	85.21	5.8	33.47	8.0	25.1	0.46
F04	03 Feb 2016	27	13.33	86.23	5.8	33.45	8.0	25.1	0.45
F04	03 Feb 2016	28	13.31	87.44	5.8	33.45	8.0	25.1	0.43
F04	03 Feb 2016	29	13.20	87.51	5.9	33.44	8.0	25.1	0.50
F04	03 Feb 2016	30	13.20	87.51	5.9	33.44	8.0	25.1	0.42
F04	03 Feb 2016	31	13.18	87.77	5.8	33.44	8.0	25.1	0.41
F04	03 Feb 2016	32	13.17	87.68	5.8	33.44	8.0	25.1	0.41
F04	03 Feb 2016	33	13.12	88.10	5.8	33.43	8.0	25.2	0.39
F04	03 Feb 2016	34	13.05	88.53	5.8	33.43	8.0	25.2	0.38
F04	03 Feb 2016	35	13.01	88.83	5.8	33.42	8.0	25.2	0.37
F04	03 Feb 2016	36	12.96	88.87	5.8	33.41	8.0	25.2	0.36
F04	03 Feb 2016	37	12.92	89.13	5.8	33.41	8.0	25.2	0.35
F04	03 Feb 2016	38	12.89	89.34	5.8	33.41	8.0	25.2	0.35
F04	03 Feb 2016	39	12.86	89.27	5.8	33.41	8.0	25.2	0.34
F04	03 Feb 2016	40	12.85	89.44	5.8	33.41	8.0	25.2	0.33
F04	03 Feb 2016	41	12.81	89.41	5.7	33.41	8.0	25.2	0.33
F04	03 Feb 2016	42	12.76	89.07	5.7	33.41	8.0	25.2	0.33
F04	03 Feb 2016	43	12.74	89.33	5.6	33.41	8.0	25.2	0.31
F04	03 Feb 2016	44	12.67	89.43	5.6	33.42	8.0	25.2	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F04	03 Feb 2016	45	12.65	89.30	5.6	33.42	8.0	25.2	0.29
F04	03 Feb 2016	46	12.66	89.38	5.6	33.42	8.0	25.2	0.29
F04	03 Feb 2016	47	12.65	89.35	5.6	33.43	8.0	25.2	0.28
F04	03 Feb 2016	48	12.65	89.19	5.4	33.44	8.0	25.3	0.28
F04	03 Feb 2016	49	12.68	88.26	5.3	33.47	8.0	25.3	0.28
F04	03 Feb 2016	50	12.72	86.70	5.2	33.49	8.0	25.3	0.29
F04	03 Feb 2016	51	12.74	85.92	5.2	33.50	8.0	25.3	0.29
F04	03 Feb 2016	52	12.75	85.76	5.2	33.51	8.0	25.3	0.29
F04	03 Feb 2016	53	12.76	84.75	5.2	33.51	8.0	25.3	0.29
F04	03 Feb 2016	54	12.76	84.61	5.2	33.51	8.0	25.3	0.30
F04	03 Feb 2016	55	12.76	84.43	5.2	33.51	8.0	25.3	0.29
F04	03 Feb 2016	56	12.76	84.40	5.2	33.51	8.0	25.3	0.29
F04	03 Feb 2016	57	12.76	84.36	5.2	33.51	8.0	25.3	0.30
F04	03 Feb 2016	58	12.76	84.28	5.2	33.52	8.0	25.3	0.29
F04	03 Feb 2016	59	12.76	84.17	5.2	33.52	8.0	25.3	0.29
F04	03 Feb 2016	60	12.76	84.11	5.2	33.51	8.0	25.3	0.29
F05	03 Feb 2016	1	15.43	76.45	7.4	33.60	8.2	24.8	0.75
F05	03 Feb 2016	2	15.40	76.77	7.3	33.60	8.2	24.8	0.83
F05	03 Feb 2016	3	15.24	76.83	7.3	33.59	8.2	24.8	0.90
F05	03 Feb 2016	4	15.20	76.30	7.3	33.59	8.2	24.8	1.02
F05	03 Feb 2016	5	15.19	76.43	7.2	33.59	8.2	24.8	1.16
F05	03 Feb 2016	6	15.13	76.67	7.2	33.58	8.2	24.9	1.28
F05	03 Feb 2016	7	15.06	76.90	7.1	33.58	8.2	24.9	1.35
F05	03 Feb 2016	8	15.02	77.42	7.0	33.58	8.1	24.9	1.41
F05	03 Feb 2016	9	14.96	77.77	7.1	33.58	8.1	24.9	1.46
F05	03 Feb 2016	10	14.96	78.00	6.9	33.57	8.1	24.9	1.36
F05	03 Feb 2016	11	14.87	78.04	6.8	33.57	8.1	24.9	1.26
F05	03 Feb 2016	12	14.67	78.80	6.7	33.56	8.1	24.9	1.22
F05	03 Feb 2016	13	14.55	79.49	6.6	33.55	8.1	25.0	1.19
F05	03 Feb 2016	14	14.52	79.89	6.6	33.55	8.1	25.0	1.12
F05	03 Feb 2016	15	14.43	80.12	6.5	33.55	8.1	25.0	1.09
F05	03 Feb 2016	16	14.33	80.46	6.4	33.54	8.1	25.0	1.06
F05	03 Feb 2016	17	14.32	80.55	6.5	33.53	8.1	25.0	1.08
F05	03 Feb 2016	18	14.34	80.48	6.5	33.54	8.1	25.0	1.05
F05	03 Feb 2016	19	14.32	80.75	6.4	33.54	8.1	25.0	0.96
F05	03 Feb 2016	20	14.22	81.21	6.2	33.53	8.1	25.0	0.95
F05	03 Feb 2016	21	14.12	81.70	6.3	33.52	8.1	25.0	0.91
F05	03 Feb 2016	22	14.11	81.76	6.3	33.52	8.1	25.0	0.89
F05	03 Feb 2016	23	14.12	81.84	6.2	33.52	8.1	25.0	0.90
F05	03 Feb 2016	24	14.13	81.77	6.2	33.52	8.1	25.0	0.90
F05	03 Feb 2016	25	14.13	81.84	6.3	33.52	8.1	25.0	0.89
F05	03 Feb 2016	26	14.11	81.96	6.3	33.52	8.1	25.0	0.88
F05	03 Feb 2016	27	14.12	81.78	6.3	33.52	8.1	25.0	0.86
F05	03 Feb 2016	28	14.12	82.19	6.2	33.52	8.1	25.0	0.82
F05	03 Feb 2016	29	14.05	82.56	6.2	33.52	8.1	25.0	0.81
F05	03 Feb 2016	30	14.04	82.45	6.2	33.52	8.1	25.0	0.80
F05	03 Feb 2016	31	14.04	82.60	6.2	33.52	8.1	25.0	0.81
F05	03 Feb 2016	32	14.03	82.69	6.1	33.52	8.1	25.0	0.76
F05	03 Feb 2016	33	14.03	82.67	6.1	33.52	8.1	25.0	0.75
F05	03 Feb 2016	34	14.03	82.47	6.0	33.52	8.1	25.0	0.74
F05	03 Feb 2016	35	14.02	82.45	6.0	33.52	8.1	25.0	0.75
F05	03 Feb 2016	36	14.00	82.78	6.0	33.52	8.1	25.0	0.75
F05	03 Feb 2016	37	13.98	82.95	6.0	33.51	8.1	25.0	0.67
F05	03 Feb 2016	38	13.82	83.43	6.0	33.50	8.1	25.1	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F05	03 Feb 2016	39	13.65	83.92	6.0	33.48	8.0	25.1	0.57
F05	03 Feb 2016	40	13.52	84.58	6.0	33.46	8.0	25.1	0.56
F05	03 Feb 2016	41	13.46	85.59	6.0	33.45	8.0	25.1	0.54
F05	03 Feb 2016	42	13.36	86.41	5.9	33.44	8.0	25.1	0.46
F05	03 Feb 2016	43	13.05	87.35	5.8	33.41	8.0	25.1	0.43
F05	03 Feb 2016	44	12.96	87.74	5.8	33.40	8.0	25.2	0.42
F05	03 Feb 2016	45	12.97	86.51	5.7	33.42	8.0	25.2	0.40
F05	03 Feb 2016	46	12.97	84.30	5.7	33.43	8.0	25.2	0.40
F05	03 Feb 2016	47	12.99	83.88	5.6	33.43	8.0	25.2	0.41
F05	03 Feb 2016	48	13.03	81.61	5.5	33.45	8.0	25.2	0.41
F05	03 Feb 2016	49	13.06	80.01	5.5	33.46	8.0	25.2	0.42
F05	03 Feb 2016	50	13.06	79.39	5.5	33.46	8.0	25.2	0.42
F05	03 Feb 2016	51	13.05	78.66	5.5	33.46	8.0	25.2	0.43
F05	03 Feb 2016	52	13.04	78.51	5.5	33.46	8.0	25.2	0.42
F05	03 Feb 2016	53	13.04	78.89	5.5	33.46	8.0	25.2	0.40
F05	03 Feb 2016	54	13.03	78.54	5.5	33.46	8.0	25.2	0.40
F05	03 Feb 2016	55	13.02	78.03	5.5	33.46	8.0	25.2	0.41
F05	03 Feb 2016	56	13.02	77.85	5.5	33.46	8.0	25.2	0.41
F05	03 Feb 2016	57	13.02	78.10	5.5	33.46	8.0	25.2	0.41
F05	03 Feb 2016	58	13.02	76.80	5.5	33.47	8.0	25.2	0.41
F05	03 Feb 2016	59	13.02	75.94	5.5	33.47	8.0	25.2	0.41
F05	03 Feb 2016	60	13.01	75.31	5.4	33.47	8.0	25.2	0.42
F05	03 Feb 2016	61	13.01	75.44	5.4	33.47	8.0	25.2	0.41
F06	03 Feb 2016	1	15.50	76.29	7.4	33.60	8.2	24.8	0.80
F06	03 Feb 2016	2	15.50	76.99	7.4	33.60	8.2	24.8	0.84
F06	03 Feb 2016	3	15.43	77.36	7.2	33.60	8.2	24.8	0.91
F06	03 Feb 2016	4	15.18	76.80	7.2	33.59	8.2	24.8	0.89
F06	03 Feb 2016	5	15.10	76.08	7.2	33.58	8.2	24.9	0.98
F06	03 Feb 2016	6	15.04	75.55	7.2	33.58	8.1	24.9	1.05
F06	03 Feb 2016	7	15.05	75.71	7.2	33.58	8.1	24.9	1.16
F06	03 Feb 2016	8	15.04	75.41	7.2	33.58	8.1	24.9	1.27
F06	03 Feb 2016	9	15.01	75.42	7.2	33.58	8.1	24.9	1.36
F06	03 Feb 2016	10	14.96	75.21	7.2	33.58	8.1	24.9	1.41
F06	03 Feb 2016	11	14.94	74.79	7.1	33.58	8.1	24.9	1.34
F06	03 Feb 2016	12	14.94	74.71	7.2	33.58	8.1	24.9	1.38
F06	03 Feb 2016	13	14.95	74.89	7.2	33.58	8.1	24.9	1.38
F06	03 Feb 2016	14	14.94	75.13	7.2	33.58	8.1	24.9	1.36
F06	03 Feb 2016	15	14.94	75.16	7.2	33.58	8.1	24.9	1.37
F06	03 Feb 2016	16	14.95	75.26	7.1	33.58	8.1	24.9	1.41
F06	03 Feb 2016	17	14.92	75.09	7.1	33.58	8.1	24.9	1.41
F06	03 Feb 2016	18	14.90	75.21	7.0	33.58	8.1	24.9	1.40
F06	03 Feb 2016	19	14.91	75.30	7.1	33.58	8.1	24.9	1.35
F06	03 Feb 2016	20	14.90	75.83	7.1	33.58	8.1	24.9	1.35
F06	03 Feb 2016	21	14.87	76.02	7.0	33.58	8.1	24.9	1.33
F06	03 Feb 2016	22	14.85	75.72	7.0	33.58	8.1	24.9	1.31
F06	03 Feb 2016	23	14.82	75.97	7.0	33.58	8.1	24.9	1.36
F06	03 Feb 2016	24	14.80	76.73	6.9	33.57	8.1	24.9	1.34
F06	03 Feb 2016	25	14.77	76.85	6.9	33.57	8.1	24.9	1.31
F06	03 Feb 2016	26	14.77	76.97	6.9	33.57	8.1	24.9	1.33
F06	03 Feb 2016	27	14.76	76.88	6.8	33.57	8.1	24.9	1.27
F06	03 Feb 2016	28	14.70	76.35	6.7	33.57	8.1	24.9	1.30
F06	03 Feb 2016	29	14.62	76.73	6.7	33.56	8.1	24.9	1.22
F06	03 Feb 2016	30	14.51	77.19	6.7	33.55	8.1	25.0	1.20
F06	03 Feb 2016	31	14.44	76.80	6.5	33.55	8.1	25.0	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F06	03 Feb 2016	32	14.42	76.55	6.5	33.55	8.1	25.0	1.12
F06	03 Feb 2016	33	14.35	76.95	6.4	33.55	8.1	25.0	1.06
F06	03 Feb 2016	34	14.23	76.18	6.4	33.54	8.1	25.0	1.07
F06	03 Feb 2016	35	14.21	75.44	6.4	33.54	8.1	25.0	1.09
F06	03 Feb 2016	36	14.22	74.46	6.4	33.54	8.1	25.0	1.06
F06	03 Feb 2016	37	14.21	75.17	6.3	33.54	8.1	25.0	1.03
F06	03 Feb 2016	38	14.12	73.79	6.3	33.54	8.1	25.0	0.97
F06	03 Feb 2016	39	14.13	72.54	6.3	33.54	8.1	25.0	0.98
F06	03 Feb 2016	40	14.13	73.92	6.3	33.54	8.1	25.0	0.93
F06	03 Feb 2016	41	14.09	73.66	6.2	33.54	8.1	25.0	0.96
F06	03 Feb 2016	42	13.94	72.98	6.1	33.53	8.1	25.1	0.88
F06	03 Feb 2016	43	13.92	71.79	6.1	33.53	8.1	25.1	0.84
F06	03 Feb 2016	44	13.89	71.43	6.1	33.53	8.1	25.1	0.85
F06	03 Feb 2016	45	13.88	72.46	6.1	33.53	8.1	25.1	0.86
F06	03 Feb 2016	46	13.86	72.75	6.0	33.53	8.1	25.1	0.82
F06	03 Feb 2016	47	13.79	71.90	6.0	33.52	8.1	25.1	0.79
F06	03 Feb 2016	48	13.75	71.90	6.0	33.52	8.0	25.1	0.79
F06	03 Feb 2016	49	13.75	72.47	6.0	33.52	8.0	25.1	0.80
F06	03 Feb 2016	50	13.75	73.26	6.0	33.52	8.0	25.1	0.82
F06	03 Feb 2016	51	13.78	72.64	6.0	33.52	8.0	25.1	0.84
F06	03 Feb 2016	52	13.79	71.90	6.1	33.52	8.0	25.1	0.84
F06	03 Feb 2016	53	13.79	72.44	6.1	33.52	8.0	25.1	0.77
F06	03 Feb 2016	54	13.78	72.18	6.0	33.52	8.0	25.1	0.80
F06	03 Feb 2016	55	13.76	71.84	6.0	33.52	8.0	25.1	0.79
F06	03 Feb 2016	56	13.75	71.74	5.8	33.52	8.0	25.1	0.72
F06	03 Feb 2016	57	13.44	73.06	5.6	33.51	8.0	25.1	0.58
F06	03 Feb 2016	58	12.92	74.02	5.5	33.47	8.0	25.2	0.43
F06	03 Feb 2016	59	12.65	74.78	5.5	33.44	8.0	25.3	0.40
F06	03 Feb 2016	60	12.64	73.44	5.5	33.44	8.0	25.3	0.39
F06	03 Feb 2016	61	12.64	74.10	5.5	33.44	8.0	25.3	0.39
F07	03 Feb 2016	1	15.46	76.63	7.4	33.59	8.2	24.8	0.76
F07	03 Feb 2016	2	15.43	76.67	7.4	33.60	8.2	24.8	0.83
F07	03 Feb 2016	3	15.37	75.73	7.5	33.59	8.2	24.8	0.95
F07	03 Feb 2016	4	15.35	75.29	7.5	33.59	8.2	24.8	1.09
F07	03 Feb 2016	5	15.34	75.24	7.4	33.59	8.2	24.8	1.27
F07	03 Feb 2016	6	15.31	75.28	7.4	33.59	8.2	24.8	1.44
F07	03 Feb 2016	7	15.31	75.34	7.4	33.59	8.2	24.8	1.61
F07	03 Feb 2016	8	15.31	75.36	7.4	33.59	8.2	24.8	1.74
F07	03 Feb 2016	9	15.31	75.25	7.4	33.59	8.2	24.8	1.78
F07	03 Feb 2016	10	15.31	75.42	7.4	33.59	8.2	24.8	1.79
F07	03 Feb 2016	11	15.31	75.45	7.4	33.59	8.2	24.8	1.81
F07	03 Feb 2016	12	15.31	75.50	7.4	33.59	8.2	24.8	1.79
F07	03 Feb 2016	13	15.31	75.41	7.4	33.59	8.2	24.8	1.79
F07	03 Feb 2016	14	15.31	75.42	7.4	33.59	8.2	24.8	1.78
F07	03 Feb 2016	15	15.31	75.51	7.4	33.59	8.2	24.8	1.65
F07	03 Feb 2016	16	15.30	75.55	7.2	33.59	8.2	24.8	1.43
F07	03 Feb 2016	17	15.24	75.34	7.2	33.59	8.2	24.8	1.37
F07	03 Feb 2016	18	15.16	74.60	7.1	33.58	8.2	24.8	1.32
F07	03 Feb 2016	19	15.13	74.44	7.0	33.58	8.2	24.9	1.27
F07	03 Feb 2016	20	15.08	75.04	7.0	33.58	8.1	24.9	1.23
F07	03 Feb 2016	21	15.02	75.75	6.9	33.57	8.1	24.9	1.19
F07	03 Feb 2016	22	14.99	76.28	6.8	33.57	8.1	24.9	1.09
F07	03 Feb 2016	23	14.88	76.59	6.7	33.56	8.1	24.9	1.00
F07	03 Feb 2016	24	14.72	77.22	6.6	33.55	8.1	24.9	0.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F07	03 Feb 2016	25	14.61	78.63	6.6	33.54	8.1	24.9	0.94
F07	03 Feb 2016	26	14.56	79.16	6.5	33.54	8.1	24.9	0.94
F07	03 Feb 2016	27	14.53	79.21	6.5	33.54	8.1	24.9	0.94
F07	03 Feb 2016	28	14.53	79.06	6.5	33.54	8.1	24.9	0.93
F07	03 Feb 2016	29	14.52	79.09	6.6	33.54	8.1	24.9	0.96
F07	03 Feb 2016	30	14.52	79.07	6.6	33.54	8.1	25.0	0.96
F07	03 Feb 2016	31	14.52	79.01	6.5	33.54	8.1	25.0	0.98
F07	03 Feb 2016	32	14.52	78.77	6.5	33.55	8.1	25.0	0.98
F07	03 Feb 2016	33	14.52	78.38	6.5	33.55	8.1	25.0	1.03
F07	03 Feb 2016	34	14.52	78.05	6.6	33.55	8.1	25.0	1.02
F07	03 Feb 2016	35	14.53	77.80	6.6	33.55	8.1	25.0	1.06
F07	03 Feb 2016	36	14.52	77.45	6.6	33.55	8.1	25.0	1.04
F07	03 Feb 2016	37	14.49	76.76	6.5	33.56	8.1	25.0	1.03
F07	03 Feb 2016	38	14.49	75.95	6.5	33.56	8.1	25.0	1.03
F07	03 Feb 2016	39	14.47	75.59	6.5	33.56	8.1	25.0	1.03
F07	03 Feb 2016	40	14.47	75.72	6.5	33.56	8.1	25.0	1.02
F07	03 Feb 2016	41	14.46	76.15	6.5	33.56	8.1	25.0	1.00
F07	03 Feb 2016	42	14.44	75.74	6.5	33.56	8.1	25.0	0.98
F07	03 Feb 2016	43	14.42	75.46	6.5	33.56	8.1	25.0	0.98
F07	03 Feb 2016	44	14.40	75.47	6.4	33.56	8.1	25.0	0.99
F07	03 Feb 2016	45	14.39	75.44	6.4	33.56	8.1	25.0	1.00
F07	03 Feb 2016	46	14.39	75.50	6.5	33.56	8.1	25.0	1.02
F07	03 Feb 2016	47	14.39	75.47	6.4	33.56	8.1	25.0	0.97
F07	03 Feb 2016	48	14.38	75.47	6.5	33.56	8.1	25.0	0.98
F07	03 Feb 2016	49	14.37	75.68	6.4	33.56	8.1	25.0	0.90
F07	03 Feb 2016	50	14.29	75.61	6.0	33.55	8.1	25.0	0.79
F07	03 Feb 2016	51	13.94	75.70	5.9	33.54	8.1	25.1	0.74
F07	03 Feb 2016	52	13.86	75.88	5.7	33.53	8.1	25.1	0.67
F07	03 Feb 2016	53	13.71	75.41	5.6	33.52	8.0	25.1	0.62
F07	03 Feb 2016	54	13.60	74.98	5.6	33.52	8.0	25.1	0.59
F07	03 Feb 2016	55	13.58	75.36	5.6	33.51	8.0	25.1	0.56
F07	03 Feb 2016	56	13.56	75.47	5.5	33.51	8.0	25.1	0.51
F07	03 Feb 2016	57	13.41	74.96	5.5	33.51	8.0	25.2	0.50
F07	03 Feb 2016	58	13.35	75.39	5.5	33.50	8.0	25.2	0.50
F07	03 Feb 2016	59	13.33	75.81	5.5	33.50	8.0	25.2	0.49
F07	03 Feb 2016	60	13.32	76.57	5.5	33.50	8.0	25.2	0.47
F07	03 Feb 2016	61	13.29	76.61	5.5	33.50	8.0	25.2	0.47
F08	03 Feb 2016	1	15.42	76.03	7.5	33.60	8.2	24.8	0.78
F08	03 Feb 2016	2	15.42	75.99	7.4	33.60	8.2	24.8	0.82
F08	03 Feb 2016	3	15.44	76.00	7.4	33.60	8.2	24.8	0.94
F08	03 Feb 2016	4	15.43	76.13	7.4	33.60	8.2	24.8	1.19
F08	03 Feb 2016	5	15.39	75.98	7.4	33.60	8.2	24.8	1.38
F08	03 Feb 2016	6	15.35	75.50	7.4	33.60	8.2	24.8	1.53
F08	03 Feb 2016	7	15.35	75.35	7.4	33.60	8.2	24.8	1.69
F08	03 Feb 2016	8	15.35	75.72	7.4	33.60	8.2	24.8	1.76
F08	03 Feb 2016	9	15.35	75.58	7.4	33.60	8.2	24.8	1.78
F08	03 Feb 2016	10	15.34	75.81	7.4	33.60	8.2	24.8	1.79
F08	03 Feb 2016	11	15.34	75.90	7.4	33.60	8.2	24.8	1.82
F08	03 Feb 2016	12	15.32	75.97	7.4	33.60	8.2	24.8	1.80
F08	03 Feb 2016	13	15.30	76.16	7.4	33.60	8.2	24.8	1.80
F08	03 Feb 2016	14	15.30	76.21	7.3	33.60	8.2	24.8	1.80
F08	03 Feb 2016	15	15.30	76.20	7.3	33.60	8.2	24.8	1.78
F08	03 Feb 2016	16	15.30	76.20	7.3	33.60	8.2	24.8	1.76
F08	03 Feb 2016	17	15.29	76.20	7.4	33.60	8.2	24.8	1.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F08	03 Feb 2016	18	15.29	76.24	7.4	33.60	8.2	24.8	1.74
F08	03 Feb 2016	19	15.29	76.34	7.3	33.60	8.2	24.8	1.69
F08	03 Feb 2016	20	15.28	76.24	7.3	33.60	8.2	24.8	1.67
F08	03 Feb 2016	21	15.27	76.18	7.3	33.59	8.2	24.8	1.66
F08	03 Feb 2016	22	15.27	76.15	7.3	33.59	8.2	24.8	1.59
F08	03 Feb 2016	23	15.26	76.25	7.3	33.59	8.2	24.8	1.49
F08	03 Feb 2016	24	15.23	76.15	7.2	33.59	8.2	24.8	1.38
F08	03 Feb 2016	25	15.21	75.96	7.0	33.59	8.2	24.8	1.19
F08	03 Feb 2016	26	15.11	75.50	6.9	33.58	8.2	24.9	1.04
F08	03 Feb 2016	27	14.99	75.59	6.8	33.58	8.1	24.9	0.95
F08	03 Feb 2016	28	14.93	75.88	6.8	33.57	8.1	24.9	0.92
F08	03 Feb 2016	29	14.90	76.28	6.8	33.57	8.1	24.9	0.84
F08	03 Feb 2016	30	14.88	76.55	6.5	33.57	8.1	24.9	0.76
F08	03 Feb 2016	31	14.70	77.39	6.3	33.55	8.1	24.9	0.71
F08	03 Feb 2016	32	14.53	79.24	6.3	33.53	8.1	24.9	0.69
F08	03 Feb 2016	33	14.32	79.37	6.3	33.52	8.1	25.0	0.68
F08	03 Feb 2016	34	14.25	79.63	6.2	33.51	8.1	25.0	0.68
F08	03 Feb 2016	35	14.19	79.48	6.1	33.51	8.1	25.0	0.63
F08	03 Feb 2016	36	14.13	78.92	6.1	33.52	8.1	25.0	0.61
F08	03 Feb 2016	37	14.06	78.54	6.0	33.52	8.1	25.0	0.61
F08	03 Feb 2016	38	13.98	78.74	6.0	33.52	8.1	25.0	0.60
F08	03 Feb 2016	39	13.93	78.99	5.9	33.52	8.1	25.1	0.62
F08	03 Feb 2016	40	13.88	78.92	5.9	33.52	8.1	25.1	0.63
F08	03 Feb 2016	41	13.86	78.38	5.9	33.52	8.1	25.1	0.66
F08	03 Feb 2016	42	13.83	77.97	5.8	33.52	8.1	25.1	0.66
F08	03 Feb 2016	43	13.73	77.47	5.8	33.52	8.0	25.1	0.62
F08	03 Feb 2016	44	13.62	77.92	5.8	33.51	8.0	25.1	0.62
F08	03 Feb 2016	45	13.59	79.14	5.8	33.51	8.0	25.1	0.61
F08	03 Feb 2016	46	13.58	79.26	5.8	33.51	8.0	25.1	0.58
F08	03 Feb 2016	47	13.51	79.16	5.6	33.51	8.0	25.1	0.54
F08	03 Feb 2016	48	13.46	78.32	5.6	33.51	8.0	25.1	0.52
F08	03 Feb 2016	49	13.40	78.30	5.6	33.50	8.0	25.2	0.50
F08	03 Feb 2016	50	13.35	78.65	5.5	33.50	8.0	25.2	0.49
F08	03 Feb 2016	51	13.25	76.72	5.5	33.50	8.0	25.2	0.51
F08	03 Feb 2016	52	13.23	76.19	5.5	33.51	8.0	25.2	0.50
F08	03 Feb 2016	53	13.21	75.54	5.5	33.50	8.0	25.2	0.50
F08	03 Feb 2016	54	13.20	75.64	5.5	33.50	8.0	25.2	0.47
F08	03 Feb 2016	55	13.14	75.12	5.4	33.50	8.0	25.2	0.47
F08	03 Feb 2016	56	13.10	73.92	5.4	33.50	8.0	25.2	0.47
F08	03 Feb 2016	57	13.09	73.73	5.4	33.50	8.0	25.2	0.46
F08	03 Feb 2016	58	13.09	73.00	5.4	33.50	8.0	25.2	0.46
F08	03 Feb 2016	59	13.06	72.84	5.4	33.50	8.0	25.2	0.45
F08	03 Feb 2016	60	13.01	72.74	5.4	33.50	8.0	25.2	0.44
F08	03 Feb 2016	61	13.01	72.85	5.4	33.49	8.0	25.2	0.45
F09	03 Feb 2016	1	15.47	76.79	7.4	33.60	8.2	24.8	0.71
F09	03 Feb 2016	2	15.40	76.49	7.4	33.60	8.2	24.8	0.84
F09	03 Feb 2016	3	15.34	75.89	7.4	33.59	8.2	24.8	1.03
F09	03 Feb 2016	4	15.31	75.72	7.4	33.59	8.2	24.8	1.25
F09	03 Feb 2016	5	15.30	75.61	7.4	33.59	8.2	24.8	1.44
F09	03 Feb 2016	6	15.30	75.65	7.4	33.59	8.2	24.8	1.65
F09	03 Feb 2016	7	15.29	75.70	7.4	33.59	8.2	24.8	1.74
F09	03 Feb 2016	8	15.29	75.77	7.3	33.59	8.2	24.8	1.71
F09	03 Feb 2016	9	15.27	75.97	7.3	33.59	8.2	24.8	1.72
F09	03 Feb 2016	10	15.25	76.14	7.3	33.59	8.2	24.8	1.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F09	03 Feb 2016	11	15.24	76.32	7.2	33.59	8.2	24.8	1.60
F09	03 Feb 2016	12	15.23	76.23	7.2	33.59	8.2	24.8	1.58
F09	03 Feb 2016	13	15.21	76.16	7.2	33.59	8.2	24.8	1.54
F09	03 Feb 2016	14	15.21	76.53	7.1	33.59	8.2	24.8	1.39
F09	03 Feb 2016	15	15.16	76.20	7.0	33.58	8.2	24.8	1.30
F09	03 Feb 2016	16	15.05	75.87	7.0	33.58	8.1	24.9	1.26
F09	03 Feb 2016	17	15.02	76.64	6.9	33.57	8.1	24.9	1.16
F09	03 Feb 2016	18	14.95	76.90	6.8	33.57	8.1	24.9	1.04
F09	03 Feb 2016	19	14.89	77.00	6.8	33.57	8.1	24.9	1.00
F09	03 Feb 2016	20	14.86	76.81	6.8	33.56	8.1	24.9	0.99
F09	03 Feb 2016	21	14.85	76.84	6.8	33.56	8.1	24.9	0.95
F09	03 Feb 2016	22	14.84	76.69	6.7	33.56	8.1	24.9	0.88
F09	03 Feb 2016	23	14.80	76.59	6.6	33.56	8.1	24.9	0.85
F09	03 Feb 2016	24	14.77	76.64	6.6	33.56	8.1	24.9	0.78
F09	03 Feb 2016	25	14.75	77.03	6.5	33.56	8.1	24.9	0.75
F09	03 Feb 2016	26	14.68	78.09	6.4	33.55	8.1	24.9	0.70
F09	03 Feb 2016	27	14.61	78.72	6.3	33.55	8.1	24.9	0.67
F09	03 Feb 2016	28	14.49	79.36	6.2	33.53	8.1	25.0	0.59
F09	03 Feb 2016	29	14.25	80.44	6.1	33.51	8.1	25.0	0.54
F09	03 Feb 2016	30	13.95	82.69	6.0	33.49	8.1	25.0	0.53
F09	03 Feb 2016	31	13.84	81.79	5.9	33.49	8.1	25.1	0.51
F09	03 Feb 2016	32	13.81	80.96	5.8	33.50	8.1	25.1	0.53
F09	03 Feb 2016	33	13.78	80.32	5.8	33.50	8.1	25.1	0.55
F09	03 Feb 2016	34	13.77	79.66	5.9	33.51	8.0	25.1	0.57
F09	03 Feb 2016	35	13.76	78.84	5.9	33.51	8.0	25.1	0.63
F09	03 Feb 2016	36	13.75	78.24	5.8	33.52	8.0	25.1	0.65
F09	03 Feb 2016	37	13.75	77.23	5.8	33.52	8.0	25.1	0.66
F09	03 Feb 2016	38	13.74	76.95	5.8	33.52	8.0	25.1	0.65
F09	03 Feb 2016	39	13.67	76.77	5.8	33.52	8.0	25.1	0.65
F09	03 Feb 2016	40	13.63	76.98	5.7	33.52	8.0	25.1	0.65
F09	03 Feb 2016	41	13.63	76.63	5.7	33.52	8.0	25.1	0.60
F09	03 Feb 2016	42	13.52	76.41	5.6	33.52	8.0	25.1	0.62
F09	03 Feb 2016	43	13.37	77.97	5.5	33.51	8.0	25.2	0.50
F09	03 Feb 2016	44	13.26	77.93	5.4	33.51	8.0	25.2	0.41
F09	03 Feb 2016	45	13.14	77.84	5.3	33.50	8.0	25.2	0.35
F09	03 Feb 2016	46	12.97	79.72	5.3	33.48	8.0	25.2	0.32
F09	03 Feb 2016	47	12.84	80.56	5.3	33.47	8.0	25.2	0.30
F09	03 Feb 2016	48	12.86	82.90	5.4	33.48	8.0	25.2	0.29
F09	03 Feb 2016	49	12.83	83.77	5.4	33.48	8.0	25.3	0.29
F09	03 Feb 2016	50	12.81	84.06	5.4	33.48	8.0	25.3	0.29
F09	03 Feb 2016	51	12.80	84.39	5.3	33.48	8.0	25.3	0.30
F09	03 Feb 2016	52	12.77	83.91	5.3	33.48	8.0	25.3	0.30
F09	03 Feb 2016	53	12.74	82.52	5.4	33.48	8.0	25.3	0.30
F09	03 Feb 2016	54	12.72	83.23	5.3	33.48	8.0	25.3	0.31
F09	03 Feb 2016	55	12.68	82.11	5.3	33.48	8.0	25.3	0.31
F09	03 Feb 2016	56	12.69	78.32	5.3	33.49	8.0	25.3	0.31
F09	03 Feb 2016	57	12.69	74.61	5.3	33.49	8.0	25.3	0.32
F09	03 Feb 2016	58	12.68	72.47	5.2	33.49	8.0	25.3	0.32
F09	03 Feb 2016	59	12.68	71.87	5.3	33.49	8.0	25.3	0.33
F09	03 Feb 2016	60	12.67	68.02	5.2	33.49	8.0	25.3	0.33
F09	03 Feb 2016	61	12.67	62.69	5.2	33.49	8.0	25.3	0.37
F09	03 Feb 2016	62	12.67	59.87	5.2	33.49	8.0	25.3	0.36
F10	03 Feb 2016	1	15.36	73.59	7.5	33.59	8.2	24.8	0.81
F10	03 Feb 2016	2	15.35	73.73	7.5	33.59	8.2	24.8	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F10	03 Feb 2016	3	15.35	73.66	7.4	33.59	8.2	24.8	1.01
F10	03 Feb 2016	4	15.33	73.32	7.5	33.59	8.2	24.8	1.10
F10	03 Feb 2016	5	15.31	73.52	7.5	33.59	8.2	24.8	1.31
F10	03 Feb 2016	6	15.30	73.62	7.4	33.59	8.2	24.8	1.58
F10	03 Feb 2016	7	15.28	73.43	7.4	33.59	8.2	24.8	1.67
F10	03 Feb 2016	8	15.28	73.54	7.4	33.59	8.2	24.8	1.70
F10	03 Feb 2016	9	15.27	73.82	7.3	33.59	8.2	24.8	1.69
F10	03 Feb 2016	10	15.26	74.68	7.2	33.59	8.2	24.8	1.49
F10	03 Feb 2016	11	15.20	75.29	7.0	33.59	8.2	24.8	1.24
F10	03 Feb 2016	12	15.06	75.03	6.7	33.58	8.2	24.9	1.04
F10	03 Feb 2016	13	14.83	75.30	6.5	33.56	8.1	24.9	0.97
F10	03 Feb 2016	14	14.61	76.75	6.5	33.55	8.1	24.9	0.88
F10	03 Feb 2016	15	14.51	77.27	6.4	33.54	8.1	24.9	0.82
F10	03 Feb 2016	16	14.43	77.27	6.4	33.53	8.1	25.0	0.76
F10	03 Feb 2016	17	14.40	77.67	6.4	33.52	8.1	25.0	0.74
F10	03 Feb 2016	18	14.37	78.42	6.4	33.52	8.1	25.0	0.70
F10	03 Feb 2016	19	14.36	79.21	6.3	33.52	8.1	25.0	0.69
F10	03 Feb 2016	20	14.34	79.47	6.3	33.52	8.1	25.0	0.66
F10	03 Feb 2016	21	14.33	79.41	6.3	33.52	8.1	25.0	0.66
F10	03 Feb 2016	22	14.33	79.78	6.3	33.52	8.1	25.0	0.65
F10	03 Feb 2016	23	14.32	79.73	6.3	33.52	8.1	25.0	0.64
F10	03 Feb 2016	24	14.31	79.72	6.3	33.52	8.1	25.0	0.62
F10	03 Feb 2016	25	14.31	79.99	6.3	33.52	8.1	25.0	0.60
F10	03 Feb 2016	26	14.28	80.38	6.3	33.52	8.1	25.0	0.59
F10	03 Feb 2016	27	14.25	80.93	6.2	33.52	8.1	25.0	0.58
F10	03 Feb 2016	28	14.23	81.24	6.0	33.52	8.1	25.0	0.49
F10	03 Feb 2016	29	14.08	81.40	5.8	33.50	8.1	25.0	0.45
F10	03 Feb 2016	30	13.69	83.80	5.8	33.47	8.1	25.1	0.43
F10	03 Feb 2016	31	13.57	84.16	5.8	33.48	8.0	25.1	0.41
F10	03 Feb 2016	32	13.56	83.46	5.6	33.47	8.0	25.1	0.42
F10	03 Feb 2016	33	13.50	82.08	5.6	33.49	8.0	25.1	0.45
F10	03 Feb 2016	34	13.49	79.47	5.6	33.51	8.0	25.1	0.47
F10	03 Feb 2016	35	13.45	77.52	5.6	33.52	8.0	25.2	0.46
F10	03 Feb 2016	36	13.43	76.94	5.6	33.52	8.0	25.2	0.48
F10	03 Feb 2016	37	13.43	76.82	5.6	33.52	8.0	25.2	0.48
F10	03 Feb 2016	38	13.42	76.79	5.5	33.52	8.0	25.2	0.49
F10	03 Feb 2016	39	13.39	76.45	5.5	33.52	8.0	25.2	0.48
F10	03 Feb 2016	40	13.37	76.48	5.5	33.52	8.0	25.2	0.46
F10	03 Feb 2016	41	13.36	76.83	5.4	33.52	8.0	25.2	0.49
F10	03 Feb 2016	42	13.31	76.00	5.5	33.52	8.0	25.2	0.47
F10	03 Feb 2016	43	13.25	75.13	5.5	33.52	8.0	25.2	0.47
F10	03 Feb 2016	44	13.29	75.50	5.3	33.52	8.0	25.2	0.44
F10	03 Feb 2016	45	13.09	74.86	5.3	33.51	8.0	25.2	0.42
F10	03 Feb 2016	46	13.04	74.54	5.3	33.51	8.0	25.2	0.42
F10	03 Feb 2016	47	13.03	74.40	5.3	33.51	8.0	25.2	0.40
F10	03 Feb 2016	48	13.00	73.57	5.3	33.51	8.0	25.2	0.39
F10	03 Feb 2016	49	12.92	73.27	5.3	33.51	8.0	25.3	0.39
F10	03 Feb 2016	50	12.90	73.96	5.3	33.51	8.0	25.3	0.37
F10	03 Feb 2016	51	12.86	74.58	5.3	33.51	8.0	25.3	0.33
F10	03 Feb 2016	52	12.80	76.42	5.2	33.51	8.0	25.3	0.32
F10	03 Feb 2016	53	12.74	77.39	5.2	33.50	8.0	25.3	0.31
F10	03 Feb 2016	54	12.67	76.58	5.3	33.50	8.0	25.3	0.31
F10	03 Feb 2016	55	12.61	77.16	5.2	33.50	8.0	25.3	0.30
F10	03 Feb 2016	56	12.59	75.50	5.2	33.50	8.0	25.3	0.29
F10	03 Feb 2016	57	12.60	74.26	5.2	33.50	8.0	25.3	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F10	03 Feb 2016	58	12.60	73.84	5.2	33.50	8.0	25.3	0.29
F10	03 Feb 2016	59	12.60	73.53	5.2	33.50	8.0	25.3	0.30
F10	03 Feb 2016	60	12.59	72.00	5.2	33.50	8.0	25.3	0.31
F10	03 Feb 2016	61	12.58	68.08	5.2	33.50	8.0	25.3	0.31
F11	03 Feb 2016	1	15.40	77.43	7.5	33.60	8.2	24.8	0.78
F11	03 Feb 2016	2	15.37	77.42	7.5	33.60	8.2	24.8	0.87
F11	03 Feb 2016	3	15.33	76.62	7.5	33.60	8.2	24.8	1.01
F11	03 Feb 2016	4	15.32	76.43	7.5	33.60	8.2	24.8	1.17
F11	03 Feb 2016	5	15.31	76.32	7.5	33.60	8.2	24.8	1.32
F11	03 Feb 2016	6	15.30	76.15	7.5	33.60	8.2	24.8	1.41
F11	03 Feb 2016	7	15.29	76.14	7.4	33.60	8.2	24.8	1.54
F11	03 Feb 2016	8	15.28	76.04	7.4	33.60	8.2	24.8	1.65
F11	03 Feb 2016	9	15.27	75.49	7.4	33.60	8.2	24.8	1.67
F11	03 Feb 2016	10	15.27	75.63	7.4	33.60	8.2	24.8	1.66
F11	03 Feb 2016	11	15.27	75.76	7.4	33.60	8.2	24.8	1.63
F11	03 Feb 2016	12	15.26	76.06	7.3	33.60	8.2	24.8	1.61
F11	03 Feb 2016	13	15.25	76.23	7.4	33.59	8.2	24.8	1.56
F11	03 Feb 2016	14	15.24	76.52	7.2	33.59	8.2	24.8	1.33
F11	03 Feb 2016	15	15.20	76.53	6.9	33.59	8.2	24.8	1.11
F11	03 Feb 2016	16	15.13	76.80	6.7	33.58	8.2	24.9	1.01
F11	03 Feb 2016	17	14.84	76.96	6.5	33.56	8.1	24.9	0.93
F11	03 Feb 2016	18	14.75	77.66	6.2	33.55	8.1	24.9	0.76
F11	03 Feb 2016	19	14.41	77.41	6.0	33.54	8.1	25.0	0.63
F11	03 Feb 2016	20	14.15	77.61	5.9	33.52	8.1	25.0	0.57
F11	03 Feb 2016	21	13.96	78.64	6.0	33.51	8.1	25.0	0.54
F11	03 Feb 2016	22	13.92	79.75	6.0	33.50	8.1	25.0	0.53
F11	03 Feb 2016	23	13.84	79.92	5.9	33.50	8.1	25.1	0.49
F11	03 Feb 2016	24	13.81	80.09	5.9	33.49	8.1	25.1	0.49
F11	03 Feb 2016	25	13.78	80.37	5.9	33.49	8.1	25.1	0.47
F11	03 Feb 2016	26	13.75	80.94	5.9	33.49	8.0	25.1	0.47
F11	03 Feb 2016	27	13.73	81.16	5.9	33.48	8.0	25.1	0.47
F11	03 Feb 2016	28	13.71	81.80	6.0	33.48	8.0	25.1	0.46
F11	03 Feb 2016	29	13.70	82.04	5.9	33.48	8.0	25.1	0.45
F11	03 Feb 2016	30	13.68	82.01	5.8	33.48	8.0	25.1	0.42
F11	03 Feb 2016	31	13.63	82.09	5.8	33.47	8.0	25.1	0.40
F11	03 Feb 2016	32	13.54	82.65	5.7	33.47	8.0	25.1	0.38
F11	03 Feb 2016	33	13.46	83.36	5.6	33.47	8.0	25.1	0.37
F11	03 Feb 2016	34	13.42	83.39	5.6	33.47	8.0	25.1	0.36
F11	03 Feb 2016	35	13.39	82.92	5.6	33.47	8.0	25.1	0.35
F11	03 Feb 2016	36	13.38	82.78	5.5	33.48	8.0	25.1	0.35
F11	03 Feb 2016	37	13.36	82.20	5.4	33.48	8.0	25.1	0.32
F11	03 Feb 2016	38	13.29	81.47	5.3	33.49	8.0	25.2	0.32
F11	03 Feb 2016	39	13.21	80.35	5.2	33.49	8.0	25.2	0.29
F11	03 Feb 2016	40	13.14	80.17	5.2	33.49	8.0	25.2	0.28
F11	03 Feb 2016	41	13.07	80.66	5.2	33.49	8.0	25.2	0.27
F11	03 Feb 2016	42	13.03	81.23	5.3	33.49	8.0	25.2	0.28
F11	03 Feb 2016	43	13.01	81.33	5.3	33.50	8.0	25.2	0.27
F11	03 Feb 2016	44	12.95	82.01	5.3	33.49	8.0	25.2	0.27
F11	03 Feb 2016	45	12.91	82.63	5.3	33.50	8.0	25.2	0.26
F11	03 Feb 2016	46	12.89	82.70	5.3	33.50	8.0	25.3	0.26
F11	03 Feb 2016	47	12.82	83.25	5.3	33.49	8.0	25.3	0.27
F11	03 Feb 2016	48	12.72	82.75	5.3	33.49	8.0	25.3	0.27
F11	03 Feb 2016	49	12.63	82.12	5.3	33.49	8.0	25.3	0.26
F11	03 Feb 2016	50	12.53	82.07	5.3	33.48	8.0	25.3	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F11	03 Feb 2016	51	12.52	79.99	5.2	33.49	8.0	25.3	0.27
F11	03 Feb 2016	52	12.55	77.09	5.2	33.49	8.0	25.3	0.27
F11	03 Feb 2016	53	12.57	74.82	5.2	33.50	8.0	25.3	0.28
F11	03 Feb 2016	54	12.57	74.06	5.2	33.50	8.0	25.3	0.27
F11	03 Feb 2016	55	12.57	71.31	5.2	33.50	8.0	25.3	0.29
F11	03 Feb 2016	56	12.57	70.92	5.2	33.50	8.0	25.3	0.28
F11	03 Feb 2016	57	12.57	69.55	5.2	33.50	8.0	25.3	0.27
F11	03 Feb 2016	58	12.57	67.54	5.2	33.50	8.0	25.3	0.28
F11	03 Feb 2016	59	12.57	66.66	5.2	33.50	8.0	25.3	0.30
F11	03 Feb 2016	60	12.57	64.30	5.1	33.50	8.0	25.3	0.30
F12	03 Feb 2016	1	15.33	76.03	7.6	33.59	8.2	24.8	0.86
F12	03 Feb 2016	2	15.33	76.03	7.6	33.59	8.2	24.8	0.97
F12	03 Feb 2016	3	15.30	75.77	7.5	33.59	8.2	24.8	1.13
F12	03 Feb 2016	4	15.28	75.74	7.5	33.59	8.2	24.8	1.28
F12	03 Feb 2016	5	15.27	75.84	7.4	33.59	8.2	24.8	1.45
F12	03 Feb 2016	6	15.26	75.81	7.4	33.59	8.2	24.8	1.53
F12	03 Feb 2016	7	15.25	76.08	7.4	33.59	8.2	24.8	1.58
F12	03 Feb 2016	8	15.25	76.35	7.4	33.59	8.2	24.8	1.64
F12	03 Feb 2016	9	15.24	76.38	7.4	33.59	8.2	24.8	1.63
F12	03 Feb 2016	10	15.24	76.48	7.4	33.59	8.2	24.8	1.63
F12	03 Feb 2016	11	15.24	76.63	7.4	33.59	8.2	24.8	1.62
F12	03 Feb 2016	12	15.23	76.71	7.4	33.59	8.2	24.8	1.64
F12	03 Feb 2016	13	15.23	76.79	7.4	33.59	8.2	24.8	1.58
F12	03 Feb 2016	14	15.23	76.82	7.4	33.59	8.2	24.8	1.49
F12	03 Feb 2016	15	15.23	76.84	7.3	33.59	8.2	24.8	1.44
F12	03 Feb 2016	16	15.20	77.25	7.3	33.59	8.2	24.8	1.38
F12	03 Feb 2016	17	15.18	77.54	6.8	33.59	8.2	24.8	1.12
F12	03 Feb 2016	18	14.87	78.31	6.6	33.56	8.1	24.9	1.03
F12	03 Feb 2016	19	14.78	78.35	6.5	33.55	8.1	24.9	0.97
F12	03 Feb 2016	20	14.75	78.41	6.4	33.55	8.1	24.9	0.91
F12	03 Feb 2016	21	14.68	78.09	6.3	33.54	8.1	24.9	0.86
F12	03 Feb 2016	22	14.57	77.84	6.2	33.53	8.1	24.9	0.80
F12	03 Feb 2016	23	14.45	78.84	6.1	33.53	8.1	25.0	0.70
F12	03 Feb 2016	24	14.28	78.73	5.9	33.52	8.1	25.0	0.59
F12	03 Feb 2016	25	14.12	77.90	5.8	33.51	8.1	25.0	0.50
F12	03 Feb 2016	26	14.00	78.50	5.8	33.51	8.1	25.0	0.48
F12	03 Feb 2016	27	13.94	79.15	5.8	33.51	8.0	25.0	0.47
F12	03 Feb 2016	28	13.90	78.84	5.7	33.51	8.0	25.1	0.43
F12	03 Feb 2016	29	13.71	78.17	5.7	33.52	8.0	25.1	0.39
F12	03 Feb 2016	30	13.47	80.36	5.6	33.49	8.0	25.1	0.37
F12	03 Feb 2016	31	13.38	83.03	5.7	33.47	8.0	25.1	0.36
F12	03 Feb 2016	32	13.35	83.62	5.7	33.46	8.0	25.1	0.35
F12	03 Feb 2016	33	13.32	83.90	5.7	33.46	8.0	25.1	0.34
F12	03 Feb 2016	34	13.25	84.53	5.7	33.45	8.0	25.1	0.33
F12	03 Feb 2016	35	13.21	85.23	5.6	33.45	8.0	25.2	0.31
F12	03 Feb 2016	36	13.17	85.53	5.5	33.45	8.0	25.2	0.29
F12	03 Feb 2016	37	13.12	85.46	5.4	33.46	8.0	25.2	0.28
F12	03 Feb 2016	38	13.08	84.00	5.3	33.48	8.0	25.2	0.27
F12	03 Feb 2016	39	13.02	82.37	5.2	33.49	8.0	25.2	0.26
F12	03 Feb 2016	40	12.87	80.27	5.1	33.50	8.0	25.3	0.25
F12	03 Feb 2016	41	12.70	81.85	5.2	33.50	8.0	25.3	0.23
F12	03 Feb 2016	42	12.57	83.18	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	43	12.51	83.41	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	44	12.53	83.82	5.2	33.49	8.0	25.3	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F12	03 Feb 2016	45	12.43	84.13	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	46	12.41	83.99	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	47	12.39	83.29	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	48	12.38	82.58	5.2	33.49	8.0	25.3	0.23
F12	03 Feb 2016	49	12.36	82.14	5.2	33.49	8.0	25.4	0.23
F12	03 Feb 2016	50	12.34	81.39	5.2	33.49	8.0	25.4	0.24
F12	03 Feb 2016	51	12.38	78.47	5.2	33.50	8.0	25.4	0.23
F12	03 Feb 2016	52	12.36	75.77	5.2	33.51	8.0	25.4	0.23
F12	03 Feb 2016	53	12.35	76.87	5.1	33.50	8.0	25.4	0.24
F12	03 Feb 2016	54	12.37	75.17	5.1	33.51	8.0	25.4	0.24
F12	03 Feb 2016	55	12.37	75.04	5.1	33.51	8.0	25.4	0.24
F12	03 Feb 2016	56	12.37	73.26	5.0	33.51	8.0	25.4	0.23
F12	03 Feb 2016	57	12.37	72.35	5.0	33.52	7.9	25.4	0.24
F12	03 Feb 2016	58	12.37	72.13	5.0	33.52	7.9	25.4	0.23
F12	03 Feb 2016	59	12.37	72.59	5.0	33.52	7.9	25.4	0.24
F12	03 Feb 2016	60	12.37	71.63	5.0	33.52	7.9	25.4	0.25
F12	03 Feb 2016	61	12.37	70.84	5.0	33.52	7.9	25.4	0.24
F12	03 Feb 2016	62	12.37	68.74	5.0	33.52	7.9	25.4	0.25
F13	03 Feb 2016	1	15.34	79.53	7.5	33.60	8.2	24.8	1.01
F13	03 Feb 2016	2	15.34	79.49	7.5	33.60	8.2	24.8	1.16
F13	03 Feb 2016	3	15.32	79.39	7.5	33.60	8.2	24.8	1.29
F13	03 Feb 2016	4	15.32	79.33	7.5	33.60	8.2	24.8	1.38
F13	03 Feb 2016	5	15.32	79.31	7.4	33.60	8.2	24.8	1.51
F13	03 Feb 2016	6	15.31	79.34	7.4	33.60	8.2	24.8	1.57
F13	03 Feb 2016	7	15.31	79.43	7.4	33.60	8.2	24.8	1.65
F13	03 Feb 2016	8	15.31	79.58	7.4	33.60	8.2	24.8	1.70
F13	03 Feb 2016	9	15.31	79.67	7.4	33.60	8.2	24.8	1.74
F13	03 Feb 2016	10	15.31	79.65	7.4	33.60	8.2	24.8	1.76
F13	03 Feb 2016	11	15.30	79.63	7.4	33.60	8.2	24.8	1.77
F13	03 Feb 2016	12	15.30	79.81	7.4	33.60	8.2	24.8	1.77
F13	03 Feb 2016	13	15.30	80.05	7.3	33.59	8.2	24.8	1.68
F13	03 Feb 2016	14	15.27	80.21	7.3	33.59	8.2	24.8	1.68
F13	03 Feb 2016	15	15.27	80.23	7.2	33.59	8.2	24.8	1.69
F13	03 Feb 2016	16	15.27	80.29	7.2	33.59	8.2	24.8	1.66
F13	03 Feb 2016	17	15.27	80.46	7.2	33.59	8.2	24.8	1.55
F13	03 Feb 2016	18	15.26	80.48	7.2	33.59	8.2	24.8	1.50
F13	03 Feb 2016	19	15.24	80.36	7.2	33.59	8.2	24.8	1.45
F13	03 Feb 2016	20	15.23	80.29	7.1	33.59	8.2	24.8	1.36
F13	03 Feb 2016	21	15.17	80.02	7.0	33.58	8.1	24.8	1.24
F13	03 Feb 2016	22	15.10	79.42	6.8	33.58	8.1	24.9	1.15
F13	03 Feb 2016	23	15.03	79.08	6.8	33.57	8.1	24.9	1.09
F13	03 Feb 2016	24	14.91	78.97	6.8	33.56	8.1	24.9	1.06
F13	03 Feb 2016	25	14.90	79.12	6.6	33.56	8.1	24.9	0.96
F13	03 Feb 2016	26	14.77	79.28	6.3	33.56	8.1	24.9	0.85
F13	03 Feb 2016	27	14.55	80.09	6.2	33.55	8.1	24.9	0.74
F13	03 Feb 2016	28	14.45	79.84	6.0	33.54	8.1	25.0	0.61
F13	03 Feb 2016	29	14.14	78.66	5.9	33.53	8.1	25.0	0.55
F13	03 Feb 2016	30	14.00	79.99	5.8	33.52	8.1	25.0	0.48
F13	03 Feb 2016	31	13.85	80.29	5.6	33.52	8.1	25.1	0.44
F13	03 Feb 2016	32	13.71	79.78	5.5	33.51	8.0	25.1	0.39
F13	03 Feb 2016	33	13.54	79.88	5.5	33.51	8.0	25.1	0.36
F13	03 Feb 2016	34	13.34	79.93	5.5	33.50	8.0	25.2	0.33
F13	03 Feb 2016	35	13.26	81.38	5.5	33.49	8.0	25.2	0.31
F13	03 Feb 2016	36	13.20	82.15	5.5	33.49	8.0	25.2	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F13	03 Feb 2016	37	12.92	84.30	5.5	33.45	8.0	25.2	0.27
F13	03 Feb 2016	38	12.86	86.17	5.4	33.46	8.0	25.2	0.26
F13	03 Feb 2016	39	12.84	85.55	5.3	33.46	8.0	25.2	0.24
F13	03 Feb 2016	40	12.81	84.94	5.3	33.47	8.0	25.2	0.24
F13	03 Feb 2016	41	12.78	84.82	5.3	33.47	8.0	25.3	0.24
F13	03 Feb 2016	42	12.76	85.12	5.2	33.47	8.0	25.3	0.23
F13	03 Feb 2016	43	12.74	84.28	5.1	33.48	8.0	25.3	0.24
F13	03 Feb 2016	44	12.73	81.94	5.1	33.50	8.0	25.3	0.23
F13	03 Feb 2016	45	12.72	80.09	5.1	33.51	8.0	25.3	0.23
F13	03 Feb 2016	46	12.70	79.40	5.0	33.51	8.0	25.3	0.22
F13	03 Feb 2016	47	12.57	79.06	5.0	33.52	8.0	25.3	0.21
F13	03 Feb 2016	48	12.50	79.34	5.0	33.52	8.0	25.3	0.21
F13	03 Feb 2016	49	12.45	80.69	5.1	33.52	8.0	25.4	0.21
F13	03 Feb 2016	50	12.40	81.34	5.0	33.52	8.0	25.4	0.20
F13	03 Feb 2016	51	12.34	81.59	5.0	33.52	8.0	25.4	0.21
F13	03 Feb 2016	52	12.31	81.09	5.0	33.52	8.0	25.4	0.22
F13	03 Feb 2016	53	12.32	79.58	5.0	33.53	7.9	25.4	0.22
F13	03 Feb 2016	54	12.32	73.29	4.9	33.53	7.9	25.4	0.23
F13	03 Feb 2016	55	12.32	71.17	4.9	33.53	7.9	25.4	0.22
F13	03 Feb 2016	56	12.32	69.74	4.9	33.53	7.9	25.4	0.23
F13	03 Feb 2016	57	12.32	69.59	4.9	33.54	7.9	25.4	0.23
F13	03 Feb 2016	58	12.32	69.19	4.9	33.54	7.9	25.4	0.23
F13	03 Feb 2016	59	12.32	67.98	4.9	33.54	7.9	25.4	0.23
F13	03 Feb 2016	60	12.32	67.67	4.9	33.54	7.9	25.4	0.24
F13	03 Feb 2016	61	12.32	64.61	4.8	33.54	7.9	25.4	0.24
F14	03 Feb 2016	1	15.21	76.52	7.4	33.59	8.2	24.8	1.02
F14	03 Feb 2016	2	15.21	76.18	7.5	33.59	8.2	24.8	1.08
F14	03 Feb 2016	3	15.21	76.36	7.4	33.59	8.2	24.8	1.20
F14	03 Feb 2016	4	15.21	76.03	7.4	33.58	8.2	24.8	1.35
F14	03 Feb 2016	5	15.21	76.01	7.4	33.58	8.2	24.8	1.51
F14	03 Feb 2016	6	15.20	76.03	7.4	33.58	8.2	24.8	1.62
F14	03 Feb 2016	7	15.20	76.15	7.4	33.59	8.2	24.8	1.69
F14	03 Feb 2016	8	15.20	76.22	7.3	33.58	8.2	24.8	1.71
F14	03 Feb 2016	9	15.19	75.92	7.3	33.58	8.2	24.8	1.71
F14	03 Feb 2016	10	15.18	75.57	7.3	33.58	8.2	24.8	1.70
F14	03 Feb 2016	11	15.18	75.43	7.3	33.58	8.2	24.8	1.68
F14	03 Feb 2016	12	15.17	75.14	7.3	33.58	8.2	24.8	1.68
F14	03 Feb 2016	13	15.17	74.86	7.3	33.58	8.2	24.8	1.65
F14	03 Feb 2016	14	15.17	74.97	7.2	33.58	8.1	24.8	1.64
F14	03 Feb 2016	15	15.16	74.81	7.3	33.58	8.1	24.8	1.62
F14	03 Feb 2016	16	15.16	74.77	7.3	33.58	8.1	24.8	1.61
F14	03 Feb 2016	17	15.16	74.68	7.2	33.58	8.1	24.8	1.57
F14	03 Feb 2016	18	15.16	74.57	7.2	33.58	8.1	24.8	1.55
F14	03 Feb 2016	19	15.16	74.73	7.3	33.58	8.1	24.8	1.55
F14	03 Feb 2016	20	15.16	75.16	7.2	33.58	8.1	24.8	1.50
F14	03 Feb 2016	21	15.16	75.03	7.2	33.58	8.1	24.8	1.48
F14	03 Feb 2016	22	15.15	74.85	7.2	33.58	8.1	24.8	1.46
F14	03 Feb 2016	23	15.15	75.04	7.2	33.58	8.1	24.8	1.46
F14	03 Feb 2016	24	15.14	75.49	7.1	33.57	8.1	24.8	1.35
F14	03 Feb 2016	25	15.12	75.44	7.0	33.57	8.1	24.8	1.27
F14	03 Feb 2016	26	15.02	75.95	7.0	33.57	8.1	24.9	1.22
F14	03 Feb 2016	27	14.99	75.80	7.0	33.57	8.1	24.9	1.12
F14	03 Feb 2016	28	14.94	74.33	6.7	33.57	8.1	24.9	0.96
F14	03 Feb 2016	29	14.73	75.33	6.3	33.56	8.1	24.9	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F14	03 Feb 2016	30	14.26	78.41	6.0	33.53	8.1	25.0	0.63
F14	03 Feb 2016	31	14.00	79.03	5.9	33.51	8.1	25.0	0.56
F14	03 Feb 2016	32	13.92	79.49	5.8	33.50	8.1	25.0	0.54
F14	03 Feb 2016	33	13.91	79.56	5.8	33.50	8.1	25.0	0.53
F14	03 Feb 2016	34	13.86	79.64	5.9	33.50	8.1	25.1	0.53
F14	03 Feb 2016	35	13.86	80.22	5.9	33.50	8.0	25.1	0.50
F14	03 Feb 2016	36	13.79	80.26	5.8	33.50	8.0	25.1	0.46
F14	03 Feb 2016	37	13.68	80.82	5.8	33.49	8.0	25.1	0.43
F14	03 Feb 2016	38	13.62	81.83	5.7	33.49	8.0	25.1	0.39
F14	03 Feb 2016	39	13.51	82.38	5.6	33.49	8.0	25.1	0.37
F14	03 Feb 2016	40	13.41	82.38	5.6	33.49	8.0	25.1	0.35
F14	03 Feb 2016	41	13.32	82.75	5.5	33.49	8.0	25.2	0.31
F14	03 Feb 2016	42	13.18	83.68	5.5	33.48	8.0	25.2	0.30
F14	03 Feb 2016	43	13.13	84.20	5.4	33.48	8.0	25.2	0.29
F14	03 Feb 2016	44	13.11	84.32	5.3	33.48	8.0	25.2	0.27
F14	03 Feb 2016	45	13.08	84.29	5.4	33.48	8.0	25.2	0.28
F14	03 Feb 2016	46	13.04	84.35	5.4	33.48	8.0	25.2	0.26
F14	03 Feb 2016	47	13.04	84.44	5.3	33.48	8.0	25.2	0.26
F14	03 Feb 2016	48	13.00	84.35	5.3	33.48	8.0	25.2	0.25
F14	03 Feb 2016	49	12.97	84.19	5.2	33.48	8.0	25.2	0.25
F14	03 Feb 2016	50	12.93	82.85	5.2	33.49	8.0	25.2	0.25
F14	03 Feb 2016	51	12.90	80.17	5.1	33.50	8.0	25.2	0.25
F14	03 Feb 2016	52	12.82	78.87	5.0	33.50	8.0	25.3	0.26
F14	03 Feb 2016	53	12.62	76.11	4.9	33.52	8.0	25.3	0.27
F14	03 Feb 2016	54	12.56	70.14	4.9	33.53	8.0	25.3	0.27
F14	03 Feb 2016	55	12.55	67.96	4.9	33.53	8.0	25.3	0.26
F14	03 Feb 2016	56	12.53	66.10	4.9	33.53	7.9	25.3	0.27
F14	03 Feb 2016	57	12.53	65.35	4.9	33.53	7.9	25.3	0.27
F14	03 Feb 2016	58	12.53	65.52	4.9	33.53	7.9	25.3	0.26
F14	03 Feb 2016	59	12.52	64.68	4.8	33.53	7.9	25.4	0.27
F14	03 Feb 2016	60	12.46	62.53	4.8	33.53	7.9	25.4	0.27
F14	03 Feb 2016	61	12.41	58.28	4.9	33.54	7.9	25.4	0.27
F15	02 Feb 2016	1	15.72	79.06	7.5	33.59	8.2	24.7	0.53
F15	02 Feb 2016	2	15.73	81.52	7.5	33.59	8.2	24.7	0.59
F15	02 Feb 2016	3	15.67	82.27	7.5	33.60	8.2	24.7	0.70
F15	02 Feb 2016	4	15.64	81.94	7.5	33.59	8.2	24.7	0.79
F15	02 Feb 2016	5	15.62	81.72	7.6	33.59	8.2	24.8	0.85
F15	02 Feb 2016	6	15.61	81.66	7.6	33.59	8.2	24.8	0.96
F15	02 Feb 2016	7	15.61	81.67	7.5	33.59	8.2	24.8	1.09
F15	02 Feb 2016	8	15.60	81.62	7.5	33.59	8.2	24.8	1.22
F15	02 Feb 2016	9	15.60	81.58	7.5	33.59	8.2	24.8	1.30
F15	02 Feb 2016	10	15.60	81.62	7.5	33.59	8.2	24.8	1.38
F15	02 Feb 2016	11	15.59	81.63	7.5	33.59	8.2	24.8	1.46
F15	02 Feb 2016	12	15.59	81.67	7.5	33.59	8.2	24.8	1.52
F15	02 Feb 2016	13	15.59	81.64	7.5	33.59	8.2	24.8	1.57
F15	02 Feb 2016	14	15.59	81.55	7.5	33.59	8.2	24.8	1.61
F15	02 Feb 2016	15	15.58	81.54	7.5	33.59	8.2	24.8	1.63
F15	02 Feb 2016	16	15.58	81.49	7.5	33.59	8.2	24.8	1.62
F15	02 Feb 2016	17	15.58	81.70	7.5	33.59	8.2	24.8	1.63
F15	02 Feb 2016	18	15.58	81.65	7.4	33.59	8.2	24.8	1.65
F15	02 Feb 2016	19	15.58	81.53	7.4	33.59	8.2	24.8	1.67
F15	02 Feb 2016	20	15.58	81.61	7.5	33.59	8.2	24.8	1.66
F15	02 Feb 2016	21	15.58	81.68	7.4	33.59	8.2	24.8	1.66
F15	02 Feb 2016	22	15.58	81.65	7.4	33.59	8.2	24.8	1.63

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 2016	23	15.58	81.62	7.5	33.59	8.2	24.8	1.63
F15	02 Feb 2016	24	15.58	81.72	7.5	33.59	8.2	24.8	1.60
F15	02 Feb 2016	25	15.58	81.79	7.4	33.59	8.2	24.8	1.53
F15	02 Feb 2016	26	15.57	81.89	7.4	33.59	8.2	24.8	1.48
F15	02 Feb 2016	27	15.57	81.87	7.5	33.59	8.2	24.8	1.46
F15	02 Feb 2016	28	15.57	82.06	7.4	33.59	8.2	24.8	1.42
F15	02 Feb 2016	29	15.56	82.00	7.4	33.59	8.2	24.8	1.39
F15	02 Feb 2016	30	15.56	82.03	7.4	33.59	8.2	24.8	1.32
F15	02 Feb 2016	31	15.56	82.18	7.3	33.59	8.2	24.8	1.25
F15	02 Feb 2016	32	15.53	82.52	7.3	33.59	8.2	24.8	1.20
F15	02 Feb 2016	33	15.44	83.99	7.2	33.58	8.2	24.8	1.13
F15	02 Feb 2016	34	15.28	86.29	6.5	33.57	8.2	24.8	0.84
F15	02 Feb 2016	35	14.49	87.42	6.2	33.50	8.2	24.9	0.65
F15	02 Feb 2016	36	14.14	88.11	6.2	33.48	8.2	25.0	0.62
F15	02 Feb 2016	37	13.70	88.67	6.2	33.42	8.1	25.0	0.56
F15	02 Feb 2016	38	13.77	88.62	6.0	33.43	8.1	25.0	0.46
F15	02 Feb 2016	39	13.38	89.45	6.0	33.41	8.1	25.1	0.43
F15	02 Feb 2016	40	13.27	89.66	5.9	33.40	8.1	25.1	0.39
F15	02 Feb 2016	41	13.12	89.85	5.9	33.39	8.1	25.1	0.36
F15	02 Feb 2016	42	13.05	90.10	5.8	33.39	8.1	25.1	0.34
F15	02 Feb 2016	43	12.90	90.22	5.8	33.41	8.1	25.2	0.31
F15	02 Feb 2016	44	12.80	90.28	5.7	33.41	8.1	25.2	0.30
F15	02 Feb 2016	45	12.75	90.28	5.7	33.42	8.0	25.2	0.29
F15	02 Feb 2016	46	12.73	90.23	5.7	33.42	8.0	25.2	0.29
F15	02 Feb 2016	47	12.74	90.22	5.6	33.43	8.0	25.2	0.28
F15	02 Feb 2016	48	12.69	90.27	5.6	33.43	8.0	25.2	0.27
F15	02 Feb 2016	49	12.59	90.25	5.6	33.43	8.0	25.3	0.27
F15	02 Feb 2016	50	12.56	90.35	5.6	33.43	8.0	25.3	0.27
F15	02 Feb 2016	51	12.49	90.38	5.7	33.42	8.0	25.3	0.27
F15	02 Feb 2016	52	12.46	90.36	5.6	33.42	8.0	25.3	0.26
F15	02 Feb 2016	53	12.34	90.42	5.6	33.41	8.0	25.3	0.25
F15	02 Feb 2016	54	12.25	90.46	5.6	33.41	8.0	25.3	0.23
F15	02 Feb 2016	55	12.16	90.50	5.6	33.41	8.0	25.3	0.24
F15	02 Feb 2016	56	12.09	90.54	5.6	33.42	8.0	25.3	0.23
F15	02 Feb 2016	57	11.94	90.48	5.5	33.42	8.0	25.4	0.23
F15	02 Feb 2016	58	11.94	90.52	5.5	33.43	8.0	25.4	0.21
F15	02 Feb 2016	59	11.94	90.51	5.5	33.43	8.0	25.4	0.22
F15	02 Feb 2016	60	11.94	90.51	5.5	33.43	8.0	25.4	0.23
F15	02 Feb 2016	61	11.95	90.52	5.5	33.44	8.0	25.4	0.22
F15	02 Feb 2016	62	11.96	90.49	5.4	33.44	8.0	25.4	0.21
F15	02 Feb 2016	63	11.98	90.43	5.3	33.46	8.0	25.4	0.20
F15	02 Feb 2016	64	11.99	90.38	5.4	33.47	8.0	25.4	0.20
F15	02 Feb 2016	65	11.99	90.39	5.3	33.48	8.0	25.4	0.20
F15	02 Feb 2016	66	12.01	90.34	5.3	33.48	8.0	25.4	0.20
F15	02 Feb 2016	67	12.02	90.27	5.2	33.49	8.0	25.4	0.20
F15	02 Feb 2016	68	12.02	90.21	5.1	33.50	8.0	25.4	0.18
F15	02 Feb 2016	69	12.08	90.09	5.0	33.53	8.0	25.4	0.18
F15	02 Feb 2016	70	12.09	89.93	5.0	33.53	8.0	25.4	0.18
F15	02 Feb 2016	71	12.07	89.86	5.0	33.54	8.0	25.4	0.18
F15	02 Feb 2016	72	12.06	89.80	5.0	33.55	8.0	25.4	0.17
F15	02 Feb 2016	73	12.04	89.54	4.9	33.56	8.0	25.5	0.18
F15	02 Feb 2016	74	12.04	89.14	4.8	33.57	8.0	25.5	0.18
F15	02 Feb 2016	75	12.03	87.33	4.8	33.57	7.9	25.5	0.19
F15	02 Feb 2016	76	12.02	85.86	4.8	33.57	7.9	25.5	0.19
F15	02 Feb 2016	77	11.99	85.18	4.8	33.58	7.9	25.5	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 2016	78	11.95	83.66	4.7	33.59	7.9	25.5	0.19
F15	02 Feb 2016	79	11.94	82.55	4.8	33.59	7.9	25.5	0.19
F15	02 Feb 2016	80	11.94	82.51	4.8	33.59	7.9	25.5	0.20
F15	02 Feb 2016	81	11.93	81.68	4.7	33.59	7.9	25.5	0.19
F16	02 Feb 2016	1	15.70	82.91	7.5	33.60	8.2	24.7	0.56
F16	02 Feb 2016	2	15.67	82.91	7.6	33.59	8.2	24.7	0.62
F16	02 Feb 2016	3	15.64	82.85	7.5	33.59	8.2	24.7	0.71
F16	02 Feb 2016	4	15.63	82.74	7.5	33.59	8.2	24.7	0.77
F16	02 Feb 2016	5	15.62	82.66	7.5	33.59	8.2	24.8	0.83
F16	02 Feb 2016	6	15.61	82.68	7.5	33.59	8.2	24.8	0.90
F16	02 Feb 2016	7	15.61	82.68	7.5	33.59	8.2	24.8	1.01
F16	02 Feb 2016	8	15.60	82.66	7.5	33.59	8.2	24.8	1.12
F16	02 Feb 2016	9	15.60	82.63	7.5	33.59	8.2	24.8	1.18
F16	02 Feb 2016	10	15.60	82.70	7.5	33.59	8.2	24.8	1.29
F16	02 Feb 2016	11	15.60	82.70	7.5	33.59	8.2	24.8	1.40
F16	02 Feb 2016	12	15.59	82.71	7.5	33.59	8.2	24.8	1.48
F16	02 Feb 2016	13	15.59	82.76	7.5	33.59	8.2	24.8	1.52
F16	02 Feb 2016	14	15.59	82.82	7.4	33.59	8.2	24.8	1.56
F16	02 Feb 2016	15	15.59	82.93	7.4	33.59	8.2	24.8	1.56
F16	02 Feb 2016	16	15.58	83.01	7.4	33.59	8.2	24.8	1.56
F16	02 Feb 2016	17	15.57	83.29	7.4	33.59	8.2	24.8	1.55
F16	02 Feb 2016	18	15.57	83.39	7.4	33.59	8.2	24.8	1.55
F16	02 Feb 2016	19	15.57	83.46	7.4	33.59	8.2	24.8	1.58
F16	02 Feb 2016	20	15.57	83.35	7.4	33.59	8.2	24.8	1.59
F16	02 Feb 2016	21	15.57	83.41	7.4	33.59	8.2	24.8	1.58
F16	02 Feb 2016	22	15.57	83.48	7.5	33.59	8.2	24.8	1.59
F16	02 Feb 2016	23	15.56	83.57	7.4	33.59	8.2	24.8	1.54
F16	02 Feb 2016	24	15.56	83.62	7.4	33.59	8.2	24.8	1.49
F16	02 Feb 2016	25	15.56	83.61	7.4	33.59	8.2	24.8	1.50
F16	02 Feb 2016	26	15.56	83.63	7.4	33.59	8.2	24.8	1.54
F16	02 Feb 2016	27	15.56	83.67	7.4	33.59	8.2	24.8	1.49
F16	02 Feb 2016	28	15.56	83.79	7.3	33.59	8.2	24.8	1.36
F16	02 Feb 2016	29	15.53	83.92	7.4	33.59	8.2	24.8	1.33
F16	02 Feb 2016	30	15.52	84.03	7.2	33.58	8.2	24.8	1.11
F16	02 Feb 2016	31	15.36	84.33	6.9	33.57	8.2	24.8	0.97
F16	02 Feb 2016	32	15.05	85.56	6.8	33.54	8.2	24.8	0.92
F16	02 Feb 2016	33	15.01	86.65	6.6	33.53	8.2	24.8	0.82
F16	02 Feb 2016	34	14.59	87.59	6.5	33.52	8.2	24.9	0.78
F16	02 Feb 2016	35	14.58	87.63	6.3	33.51	8.1	24.9	0.62
F16	02 Feb 2016	36	14.16	88.20	6.0	33.49	8.1	25.0	0.48
F16	02 Feb 2016	37	13.88	88.44	5.9	33.48	8.1	25.0	0.44
F16	02 Feb 2016	38	13.67	88.87	5.7	33.46	8.1	25.1	0.37
F16	02 Feb 2016	39	13.41	88.98	5.6	33.45	8.1	25.1	0.33
F16	02 Feb 2016	40	12.98	89.12	5.8	33.44	8.1	25.2	0.33
F16	02 Feb 2016	41	13.11	89.62	5.6	33.44	8.1	25.2	0.29
F16	02 Feb 2016	42	12.56	90.17	5.6	33.43	8.0	25.3	0.27
F16	02 Feb 2016	43	12.51	90.35	5.6	33.43	8.0	25.3	0.26
F16	02 Feb 2016	44	12.48	90.38	5.6	33.43	8.0	25.3	0.26
F16	02 Feb 2016	45	12.47	90.39	5.6	33.43	8.0	25.3	0.25
F16	02 Feb 2016	46	12.43	90.41	5.6	33.44	8.0	25.3	0.25
F16	02 Feb 2016	47	12.42	90.41	5.5	33.44	8.0	25.3	0.25
F16	02 Feb 2016	48	12.41	90.39	5.5	33.45	8.0	25.3	0.24
F16	02 Feb 2016	49	12.40	90.34	5.5	33.45	8.0	25.3	0.24
F16	02 Feb 2016	50	12.31	90.34	5.5	33.44	8.0	25.3	0.23

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 2016	51	12.29	90.41	5.5	33.44	8.0	25.3	0.22
F16	02 Feb 2016	52	12.04	90.50	5.5	33.44	8.0	25.4	0.22
F16	02 Feb 2016	53	11.99	90.55	5.5	33.44	8.0	25.4	0.21
F16	02 Feb 2016	54	11.88	90.61	5.5	33.44	8.0	25.4	0.20
F16	02 Feb 2016	55	11.82	90.60	5.5	33.45	8.0	25.4	0.20
F16	02 Feb 2016	56	11.83	90.63	5.4	33.45	8.0	25.4	0.19
F16	02 Feb 2016	57	11.79	90.62	5.4	33.45	8.0	25.4	0.19
F16	02 Feb 2016	58	11.78	90.61	5.4	33.46	8.0	25.4	0.20
F16	02 Feb 2016	59	11.77	90.65	5.4	33.46	8.0	25.4	0.19
F16	02 Feb 2016	60	11.77	90.61	5.4	33.46	8.0	25.4	0.19
F16	02 Feb 2016	61	11.78	90.60	5.4	33.46	8.0	25.4	0.19
F16	02 Feb 2016	62	11.78	90.58	5.3	33.47	8.0	25.4	0.19
F16	02 Feb 2016	63	11.78	90.57	5.4	33.47	8.0	25.4	0.19
F16	02 Feb 2016	64	11.78	90.60	5.3	33.47	8.0	25.4	0.19
F16	02 Feb 2016	65	11.78	90.58	5.2	33.48	8.0	25.4	0.17
F16	02 Feb 2016	66	11.81	90.44	5.1	33.52	8.0	25.5	0.18
F16	02 Feb 2016	67	11.80	90.31	5.1	33.53	8.0	25.5	0.17
F16	02 Feb 2016	68	11.78	90.28	5.0	33.54	8.0	25.5	0.17
F16	02 Feb 2016	69	11.78	90.24	5.0	33.54	8.0	25.5	0.16
F16	02 Feb 2016	70	11.77	90.23	5.0	33.55	8.0	25.5	0.16
F16	02 Feb 2016	71	11.77	90.18	5.0	33.55	8.0	25.5	0.16
F16	02 Feb 2016	72	11.78	90.06	5.0	33.55	7.9	25.5	0.17
F16	02 Feb 2016	73	11.79	88.40	4.9	33.56	7.9	25.5	0.18
F16	02 Feb 2016	74	11.82	86.80	4.8	33.57	7.9	25.5	0.18
F16	02 Feb 2016	75	11.82	85.47	4.8	33.58	7.9	25.5	0.18
F16	02 Feb 2016	76	11.83	85.38	4.8	33.58	7.9	25.5	0.18
F16	02 Feb 2016	77	11.83	85.04	4.8	33.58	7.9	25.5	0.18
F16	02 Feb 2016	78	11.83	84.77	4.8	33.58	7.9	25.5	0.19
F16	02 Feb 2016	79	11.83	82.97	4.8	33.58	7.9	25.5	0.19
F16	02 Feb 2016	80	11.83	81.08	4.8	33.58	7.9	25.5	0.20
F16	02 Feb 2016	81	11.83	79.60	4.8	33.58	7.9	25.5	0.20
F17	02 Feb 2016	1	15.66	83.81	7.1	33.57	8.2	24.7	0.32
F17	02 Feb 2016	2	15.65	83.67	7.2	33.59	8.2	24.7	0.31
F17	02 Feb 2016	3	15.63	83.71	7.3	33.59	8.2	24.7	0.57
F17	02 Feb 2016	4	15.62	83.66	7.2	33.59	8.2	24.8	0.80
F17	02 Feb 2016	5	15.61	83.47	7.4	33.59	8.2	24.8	0.78
F17	02 Feb 2016	6	15.61	83.41	7.4	33.59	8.2	24.8	0.78
F17	02 Feb 2016	7	15.60	83.38	7.1	33.59	8.2	24.8	0.76
F17	02 Feb 2016	8	15.60	83.36	6.7	33.59	8.2	24.8	0.74
F17	02 Feb 2016	9	15.60	83.35	6.6	33.59	8.2	24.8	0.77
F17	02 Feb 2016	10	15.60	83.39	7.0	33.59	8.2	24.8	0.82
F17	02 Feb 2016	11	15.60	83.36	7.4	33.59	8.2	24.8	0.90
F17	02 Feb 2016	12	15.59	83.37	7.5	33.59	8.2	24.8	1.00
F17	02 Feb 2016	13	15.59	83.40	7.4	33.59	8.2	24.8	1.16
F17	02 Feb 2016	14	15.59	83.47	7.4	33.59	8.2	24.8	1.34
F17	02 Feb 2016	15	15.59	83.47	7.4	33.59	8.2	24.8	1.50
F17	02 Feb 2016	16	15.59	83.46	7.3	33.59	8.2	24.8	1.61
F17	02 Feb 2016	17	15.59	83.51	7.4	33.59	8.2	24.8	1.63
F17	02 Feb 2016	18	15.59	83.55	7.5	33.59	8.2	24.8	1.68
F17	02 Feb 2016	19	15.59	83.65	7.4	33.59	8.2	24.8	1.71
F17	02 Feb 2016	20	15.58	83.59	7.4	33.59	8.2	24.8	1.71
F17	02 Feb 2016	21	15.58	83.70	7.4	33.59	8.2	24.8	1.70
F17	02 Feb 2016	22	15.59	83.62	7.4	33.59	8.2	24.8	1.70
F17	02 Feb 2016	23	15.59	83.57	7.4	33.59	8.2	24.8	1.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F17	02 Feb 2016	24	15.59	83.59	7.4	33.59	8.2	24.8	1.71
F17	02 Feb 2016	25	15.58	83.69	7.4	33.59	8.2	24.8	1.71
F17	02 Feb 2016	26	15.58	83.73	7.5	33.59	8.2	24.8	1.70
F17	02 Feb 2016	27	15.58	83.88	7.4	33.59	8.2	24.8	1.68
F17	02 Feb 2016	28	15.58	83.92	7.4	33.59	8.2	24.8	1.67
F17	02 Feb 2016	29	15.58	84.01	7.5	33.59	8.2	24.8	1.67
F17	02 Feb 2016	30	15.58	84.00	7.4	33.59	8.2	24.8	1.61
F17	02 Feb 2016	31	15.57	84.13	7.4	33.59	8.2	24.8	1.56
F17	02 Feb 2016	32	15.56	84.27	7.3	33.59	8.2	24.8	1.51
F17	02 Feb 2016	33	15.55	84.45	7.4	33.59	8.2	24.8	1.44
F17	02 Feb 2016	34	15.53	84.77	7.3	33.59	8.2	24.8	1.36
F17	02 Feb 2016	35	15.49	84.85	7.1	33.58	8.2	24.8	1.11
F17	02 Feb 2016	36	15.12	85.58	6.8	33.55	8.2	24.8	0.98
F17	02 Feb 2016	37	14.90	86.55	6.2	33.54	8.2	24.9	0.70
F17	02 Feb 2016	38	14.08	86.77	5.8	33.51	8.1	25.0	0.57
F17	02 Feb 2016	39	13.93	86.69	5.8	33.50	8.1	25.0	0.51
F17	02 Feb 2016	40	13.83	86.55	5.8	33.50	8.1	25.1	0.47
F17	02 Feb 2016	41	13.72	87.29	5.7	33.50	8.1	25.1	0.40
F17	02 Feb 2016	42	13.53	87.95	5.6	33.49	8.1	25.1	0.35
F17	02 Feb 2016	43	13.37	87.99	5.6	33.49	8.1	25.1	0.34
F17	02 Feb 2016	44	13.33	88.21	5.6	33.48	8.0	25.2	0.31
F17	02 Feb 2016	45	12.76	89.10	5.6	33.45	8.0	25.2	0.30
F17	02 Feb 2016	46	12.63	89.30	5.6	33.43	8.0	25.2	0.26
F17	02 Feb 2016	47	12.49	89.79	5.5	33.42	8.0	25.3	0.26
F17	02 Feb 2016	48	12.42	90.17	5.5	33.44	8.0	25.3	0.24
F17	02 Feb 2016	49	12.37	90.37	5.5	33.45	8.0	25.3	0.23
F17	02 Feb 2016	50	12.36	90.40	5.5	33.45	8.0	25.3	0.24
F17	02 Feb 2016	51	12.34	90.40	5.5	33.45	8.0	25.3	0.24
F17	02 Feb 2016	52	12.30	90.41	5.4	33.46	8.0	25.3	0.23
F17	02 Feb 2016	53	12.24	90.41	5.4	33.46	8.0	25.3	0.22
F17	02 Feb 2016	54	12.21	90.38	5.4	33.46	8.0	25.4	0.21
F17	02 Feb 2016	55	12.13	90.38	5.4	33.47	8.0	25.4	0.21
F17	02 Feb 2016	56	12.10	90.42	5.4	33.46	8.0	25.4	0.21
F17	02 Feb 2016	57	12.01	90.45	5.4	33.46	8.0	25.4	0.20
F17	02 Feb 2016	58	11.98	90.51	5.3	33.47	8.0	25.4	0.19
F17	02 Feb 2016	59	11.93	90.50	5.3	33.48	8.0	25.4	0.19
F17	02 Feb 2016	60	11.87	90.52	5.4	33.48	8.0	25.4	0.19
F17	02 Feb 2016	61	11.88	90.52	5.3	33.47	8.0	25.4	0.19
F17	02 Feb 2016	62	11.82	90.55	5.3	33.48	8.0	25.4	0.18
F17	02 Feb 2016	63	11.79	90.54	5.2	33.48	8.0	25.4	0.17
F17	02 Feb 2016	64	11.71	90.56	5.2	33.49	8.0	25.5	0.17
F17	02 Feb 2016	65	11.63	90.61	5.2	33.50	8.0	25.5	0.17
F17	02 Feb 2016	66	11.63	90.60	5.2	33.50	8.0	25.5	0.17
F17	02 Feb 2016	67	11.62	90.61	5.2	33.50	8.0	25.5	0.17
F17	02 Feb 2016	68	11.63	90.60	5.2	33.50	8.0	25.5	0.17
F17	02 Feb 2016	69	11.63	90.60	5.2	33.51	8.0	25.5	0.16
F17	02 Feb 2016	70	11.64	90.57	5.2	33.51	8.0	25.5	0.16
F17	02 Feb 2016	71	11.63	90.55	5.2	33.52	8.0	25.5	0.17
F17	02 Feb 2016	72	11.63	90.59	5.1	33.51	8.0	25.5	0.17
F17	02 Feb 2016	73	11.59	90.56	5.0	33.53	8.0	25.5	0.16
F17	02 Feb 2016	74	11.58	90.19	4.9	33.55	8.0	25.5	0.17
F17	02 Feb 2016	75	11.62	87.17	4.8	33.57	7.9	25.5	0.17
F17	02 Feb 2016	76	11.63	84.60	4.9	33.57	7.9	25.5	0.18
F17	02 Feb 2016	77	11.65	83.68	4.8	33.58	7.9	25.5	0.18
F17	02 Feb 2016	78	11.68	82.20	4.8	33.59	7.9	25.6	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F17	02 Feb 2016	79	11.69	79.70	4.8	33.59	7.9	25.6	0.19
F17	02 Feb 2016	80	11.69	78.52	4.8	33.59	7.9	25.6	0.19
F18	02 Feb 2016	1	15.61	84.55	7.5	33.59	8.2	24.8	0.57
F18	02 Feb 2016	2	15.61	84.61	7.5	33.59	8.2	24.8	0.63
F18	02 Feb 2016	3	15.59	84.62	7.5	33.59	8.2	24.8	0.69
F18	02 Feb 2016	4	15.58	84.55	7.5	33.59	8.2	24.8	0.77
F18	02 Feb 2016	5	15.57	84.32	7.5	33.59	8.2	24.8	0.83
F18	02 Feb 2016	6	15.57	84.20	7.5	33.59	8.2	24.8	0.88
F18	02 Feb 2016	7	15.57	84.18	7.5	33.59	8.2	24.8	0.97
F18	02 Feb 2016	8	15.57	84.12	7.5	33.59	8.2	24.8	1.08
F18	02 Feb 2016	9	15.57	84.10	7.5	33.59	8.2	24.8	1.20
F18	02 Feb 2016	10	15.57	84.11	7.5	33.59	8.2	24.8	1.28
F18	02 Feb 2016	11	15.57	84.10	7.5	33.59	8.2	24.8	1.37
F18	02 Feb 2016	12	15.57	84.08	7.4	33.59	8.2	24.8	1.45
F18	02 Feb 2016	13	15.57	84.07	7.4	33.59	8.2	24.8	1.52
F18	02 Feb 2016	14	15.57	84.10	7.5	33.59	8.2	24.8	1.57
F18	02 Feb 2016	15	15.57	84.12	7.4	33.59	8.2	24.8	1.60
F18	02 Feb 2016	16	15.56	84.11	7.5	33.59	8.2	24.8	1.62
F18	02 Feb 2016	17	15.56	84.12	7.5	33.59	8.2	24.8	1.65
F18	02 Feb 2016	18	15.56	84.14	7.6	33.59	8.2	24.8	1.66
F18	02 Feb 2016	19	15.56	84.12	7.5	33.59	8.2	24.8	1.69
F18	02 Feb 2016	20	15.56	84.14	7.4	33.59	8.2	24.8	1.71
F18	02 Feb 2016	21	15.56	84.15	7.5	33.59	8.2	24.8	1.70
F18	02 Feb 2016	22	15.56	84.16	7.5	33.59	8.2	24.8	1.71
F18	02 Feb 2016	23	15.56	84.19	7.5	33.59	8.2	24.8	1.71
F18	02 Feb 2016	24	15.56	84.33	7.4	33.59	8.2	24.8	1.70
F18	02 Feb 2016	25	15.56	84.37	7.4	33.59	8.2	24.8	1.71
F18	02 Feb 2016	26	15.55	84.41	7.4	33.59	8.2	24.8	1.70
F18	02 Feb 2016	27	15.55	84.42	7.4	33.59	8.2	24.8	1.61
F18	02 Feb 2016	28	15.55	84.47	7.4	33.59	8.2	24.8	1.45
F18	02 Feb 2016	29	15.54	84.80	7.2	33.59	8.2	24.8	1.21
F18	02 Feb 2016	30	15.46	85.43	7.0	33.58	8.2	24.8	0.97
F18	02 Feb 2016	31	15.07	86.76	6.6	33.54	8.2	24.8	0.75
F18	02 Feb 2016	32	14.75	87.41	6.3	33.51	8.2	24.9	0.61
F18	02 Feb 2016	33	14.22	87.68	6.1	33.48	8.2	25.0	0.54
F18	02 Feb 2016	34	14.05	87.23	5.9	33.47	8.1	25.0	0.48
F18	02 Feb 2016	35	13.93	86.52	5.7	33.47	8.1	25.0	0.43
F18	02 Feb 2016	36	13.76	85.49	5.6	33.48	8.1	25.1	0.41
F18	02 Feb 2016	37	13.68	83.83	5.6	33.49	8.1	25.1	0.41
F18	02 Feb 2016	38	13.70	82.39	5.7	33.49	8.1	25.1	0.40
F18	02 Feb 2016	39	13.64	81.14	5.5	33.49	8.1	25.1	0.37
F18	02 Feb 2016	40	13.52	80.50	5.4	33.49	8.1	25.1	0.32
F18	02 Feb 2016	41	13.37	82.89	5.5	33.49	8.0	25.1	0.31
F18	02 Feb 2016	42	13.21	86.20	5.5	33.48	8.0	25.2	0.32
F18	02 Feb 2016	43	13.20	85.81	5.5	33.48	8.0	25.2	0.31
F18	02 Feb 2016	44	13.13	86.62	5.4	33.48	8.0	25.2	0.27
F18	02 Feb 2016	45	12.73	88.29	5.5	33.46	8.0	25.3	0.26
F18	02 Feb 2016	46	12.64	89.17	5.5	33.45	8.0	25.3	0.25
F18	02 Feb 2016	47	12.51	89.79	5.5	33.45	8.0	25.3	0.24
F18	02 Feb 2016	48	12.29	89.94	5.4	33.43	8.0	25.3	0.22
F18	02 Feb 2016	49	12.24	90.01	5.4	33.45	8.0	25.3	0.22
F18	02 Feb 2016	50	12.21	90.01	5.3	33.46	8.0	25.4	0.21
F18	02 Feb 2016	51	12.19	90.02	5.3	33.47	8.0	25.4	0.22
F18	02 Feb 2016	52	12.17	90.20	5.3	33.47	8.0	25.4	0.21

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 2016	53	12.13	90.21	5.2	33.48	8.0	25.4	0.21
F18	02 Feb 2016	54	12.08	90.26	5.3	33.48	8.0	25.4	0.20
F18	02 Feb 2016	55	12.06	90.31	5.3	33.48	8.0	25.4	0.20
F18	02 Feb 2016	56	11.95	90.36	5.2	33.48	8.0	25.4	0.19
F18	02 Feb 2016	57	11.85	90.46	5.3	33.48	8.0	25.4	0.19
F18	02 Feb 2016	58	11.82	90.49	5.3	33.48	8.0	25.4	0.19
F18	02 Feb 2016	59	11.79	90.49	5.2	33.49	8.0	25.5	0.19
F18	02 Feb 2016	60	11.75	90.53	5.2	33.49	8.0	25.5	0.18
F18	02 Feb 2016	61	11.73	90.51	5.2	33.49	8.0	25.5	0.19
F18	02 Feb 2016	62	11.73	90.53	5.2	33.50	8.0	25.5	0.18
F18	02 Feb 2016	63	11.73	90.52	5.2	33.50	8.0	25.5	0.18
F18	02 Feb 2016	64	11.73	90.53	5.1	33.51	8.0	25.5	0.17
F18	02 Feb 2016	65	11.72	90.51	5.0	33.52	8.0	25.5	0.16
F18	02 Feb 2016	66	11.74	90.46	5.0	33.53	8.0	25.5	0.17
F18	02 Feb 2016	67	11.75	90.39	5.0	33.55	8.0	25.5	0.16
F18	02 Feb 2016	68	11.71	90.43	4.9	33.55	8.0	25.5	0.16
F18	02 Feb 2016	69	11.63	89.99	4.9	33.57	7.9	25.6	0.18
F18	02 Feb 2016	70	11.60	89.05	4.8	33.57	7.9	25.6	0.18
F18	02 Feb 2016	71	11.57	85.60	4.8	33.58	7.9	25.6	0.18
F18	02 Feb 2016	72	11.57	82.70	4.8	33.58	7.9	25.6	0.17
F18	02 Feb 2016	73	11.57	83.85	4.8	33.58	7.9	25.6	0.17
F18	02 Feb 2016	74	11.57	83.37	4.8	33.58	7.9	25.6	0.19
F18	02 Feb 2016	75	11.57	78.08	4.8	33.58	7.9	25.6	0.20
F18	02 Feb 2016	76	11.59	77.79	4.8	33.58	7.9	25.6	0.20
F18	02 Feb 2016	77	11.59	76.38	4.8	33.58	7.9	25.6	0.21
F18	02 Feb 2016	78	11.59	76.04	4.8	33.58	7.9	25.6	0.21
F18	02 Feb 2016	79	11.60	73.63	4.8	33.58	7.9	25.6	0.21
F18	02 Feb 2016	80	11.60	73.28	4.8	33.58	7.9	25.6	0.21
F18	02 Feb 2016	81	11.60	70.51	4.8	33.58	7.9	25.6	0.21
F19	02 Feb 2016	1	15.56	85.31	7.4	33.58	8.2	24.8	0.55
F19	02 Feb 2016	2	15.56	85.43	7.4	33.58	8.2	24.8	0.56
F19	02 Feb 2016	3	15.55	85.48	7.4	33.58	8.2	24.8	0.59
F19	02 Feb 2016	4	15.55	85.56	7.4	33.58	8.2	24.8	0.63
F19	02 Feb 2016	5	15.55	85.35	7.4	33.58	8.2	24.8	0.67
F19	02 Feb 2016	6	15.55	85.66	7.4	33.58	8.2	24.8	0.76
F19	02 Feb 2016	7	15.54	85.61	7.4	33.58	8.2	24.8	0.84
F19	02 Feb 2016	8	15.53	85.54	7.4	33.58	8.2	24.8	0.93
F19	02 Feb 2016	9	15.53	85.55	7.4	33.58	8.2	24.8	1.03
F19	02 Feb 2016	10	15.53	85.56	7.4	33.58	8.2	24.8	1.12
F19	02 Feb 2016	11	15.53	85.54	7.4	33.58	8.2	24.8	1.20
F19	02 Feb 2016	12	15.53	85.50	7.4	33.58	8.2	24.8	1.29
F19	02 Feb 2016	13	15.52	85.50	7.4	33.58	8.2	24.8	1.37
F19	02 Feb 2016	14	15.52	85.55	7.4	33.58	8.2	24.8	1.41
F19	02 Feb 2016	15	15.52	85.63	7.4	33.58	8.2	24.8	1.48
F19	02 Feb 2016	16	15.52	85.63	7.4	33.58	8.2	24.8	1.52
F19	02 Feb 2016	17	15.52	85.68	7.4	33.58	8.2	24.8	1.54
F19	02 Feb 2016	18	15.52	85.69	7.4	33.58	8.2	24.8	1.57
F19	02 Feb 2016	19	15.52	85.72	7.4	33.58	8.2	24.8	1.61
F19	02 Feb 2016	20	15.52	85.76	7.4	33.58	8.2	24.8	1.60
F19	02 Feb 2016	21	15.52	85.77	7.3	33.58	8.2	24.8	1.59
F19	02 Feb 2016	22	15.52	85.74	7.3	33.58	8.2	24.8	1.60
F19	02 Feb 2016	23	15.52	85.82	7.4	33.58	8.2	24.8	1.61
F19	02 Feb 2016	24	15.52	85.77	7.4	33.58	8.2	24.8	1.59
F19	02 Feb 2016	25	15.51	85.82	7.3	33.58	8.2	24.8	1.56

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 2016	26	15.51	85.98	7.4	33.58	8.2	24.8	1.54
F19	02 Feb 2016	27	15.50	86.08	7.3	33.58	8.2	24.8	1.51
F19	02 Feb 2016	28	15.50	86.07	7.3	33.58	8.2	24.8	1.52
F19	02 Feb 2016	29	15.50	86.12	7.4	33.58	8.2	24.8	1.52
F19	02 Feb 2016	30	15.50	86.15	7.3	33.58	8.2	24.8	1.48
F19	02 Feb 2016	31	15.50	86.20	7.3	33.58	8.2	24.8	1.37
F19	02 Feb 2016	32	15.48	86.32	7.2	33.58	8.2	24.8	1.32
F19	02 Feb 2016	33	15.44	86.73	6.8	33.57	8.2	24.8	0.92
F19	02 Feb 2016	34	14.87	86.93	6.5	33.52	8.2	24.9	0.71
F19	02 Feb 2016	35	14.25	88.23	6.5	33.45	8.2	24.9	0.64
F19	02 Feb 2016	36	14.24	88.36	6.2	33.46	8.1	24.9	0.48
F19	02 Feb 2016	37	13.71	89.57	6.0	33.43	8.1	25.0	0.41
F19	02 Feb 2016	38	13.44	89.53	5.9	33.41	8.1	25.1	0.37
F19	02 Feb 2016	39	13.26	89.63	5.8	33.41	8.1	25.1	0.34
F19	02 Feb 2016	40	13.24	89.36	5.8	33.43	8.1	25.1	0.33
F19	02 Feb 2016	41	13.28	88.46	5.6	33.45	8.1	25.1	0.31
F19	02 Feb 2016	42	13.25	87.81	5.5	33.47	8.0	25.2	0.31
F19	02 Feb 2016	43	13.19	86.52	5.4	33.48	8.0	25.2	0.29
F19	02 Feb 2016	44	13.16	83.81	5.3	33.48	8.0	25.2	0.28
F19	02 Feb 2016	45	13.08	84.33	5.4	33.48	8.0	25.2	0.29
F19	02 Feb 2016	46	13.02	86.37	5.4	33.48	8.0	25.2	0.26
F19	02 Feb 2016	47	12.73	88.48	5.5	33.46	8.0	25.3	0.26
F19	02 Feb 2016	48	12.60	88.64	5.5	33.45	8.0	25.3	0.26
F19	02 Feb 2016	49	12.47	89.99	5.5	33.44	8.0	25.3	0.24
F19	02 Feb 2016	50	12.30	90.07	5.3	33.43	8.0	25.3	0.21
F19	02 Feb 2016	51	12.08	88.44	5.2	33.45	8.0	25.4	0.21
F19	02 Feb 2016	52	12.12	87.89	5.1	33.45	8.0	25.4	0.19
F19	02 Feb 2016	53	11.92	85.07	5.0	33.47	8.0	25.4	0.18
F19	02 Feb 2016	54	11.93	84.66	5.0	33.47	8.0	25.4	0.18
F19	02 Feb 2016	55	11.96	84.95	5.0	33.49	8.0	25.4	0.18
F19	02 Feb 2016	56	12.00	86.55	5.0	33.51	8.0	25.4	0.18
F19	02 Feb 2016	57	11.99	86.15	5.0	33.50	8.0	25.4	0.18
F19	02 Feb 2016	58	12.00	86.75	5.1	33.52	8.0	25.4	0.18
F19	02 Feb 2016	59	12.00	87.08	5.0	33.52	8.0	25.4	0.18
F19	02 Feb 2016	60	11.92	88.63	5.0	33.53	8.0	25.5	0.17
F19	02 Feb 2016	61	11.90	89.80	5.0	33.53	8.0	25.5	0.17
F19	02 Feb 2016	62	11.77	90.33	5.0	33.55	8.0	25.5	0.16
F19	02 Feb 2016	63	11.78	90.36	5.0	33.55	8.0	25.5	0.17
F19	02 Feb 2016	64	11.77	90.39	4.9	33.55	7.9	25.5	0.16
F19	02 Feb 2016	65	11.75	90.33	4.9	33.56	7.9	25.5	0.16
F19	02 Feb 2016	66	11.70	90.16	4.9	33.57	7.9	25.5	0.16
F19	02 Feb 2016	67	11.65	89.66	4.8	33.58	7.9	25.5	0.16
F19	02 Feb 2016	68	11.63	88.29	4.8	33.58	7.9	25.6	0.17
F19	02 Feb 2016	69	11.62	81.28	4.8	33.59	7.9	25.6	0.19
F19	02 Feb 2016	70	11.61	76.02	4.8	33.59	7.9	25.6	0.19
F19	02 Feb 2016	71	11.61	74.92	4.8	33.59	7.9	25.6	0.20
F19	02 Feb 2016	72	11.61	73.70	4.8	33.59	7.9	25.6	0.20
F19	02 Feb 2016	73	11.61	72.57	4.8	33.59	7.9	25.6	0.20
F19	02 Feb 2016	74	11.61	71.04	4.7	33.59	7.9	25.6	0.20
F19	02 Feb 2016	75	11.61	71.17	4.7	33.59	7.9	25.6	0.20
F19	02 Feb 2016	76	11.61	71.66	4.7	33.59	7.9	25.6	0.19
F19	02 Feb 2016	77	11.61	71.17	4.8	33.59	7.9	25.6	0.19
F19	02 Feb 2016	78	11.61	71.25	4.7	33.59	7.9	25.6	0.21
F19	02 Feb 2016	79	11.61	70.49	4.7	33.59	7.9	25.6	0.20
F19	02 Feb 2016	80	11.62	67.91	4.7	33.59	7.9	25.6	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F19	02 Feb 2016	81	11.62	67.43	4.7	33.59	7.9	25.6	0.21
F19	02 Feb 2016	82	11.62	65.53	4.7	33.59	7.9	25.6	0.21
F19	02 Feb 2016	83	11.62	63.89	4.7	33.59	7.9	25.6	0.21
F20	02 Feb 2016	1	15.50	85.47	7.4	33.58	8.2	24.8	0.60
F20	02 Feb 2016	2	15.50	85.44	7.4	33.58	8.2	24.8	0.61
F20	02 Feb 2016	3	15.50	85.40	7.4	33.58	8.2	24.8	0.63
F20	02 Feb 2016	4	15.50	85.47	7.4	33.58	8.2	24.8	0.69
F20	02 Feb 2016	5	15.50	85.47	7.4	33.58	8.2	24.8	0.76
F20	02 Feb 2016	6	15.50	85.47	7.4	33.58	8.2	24.8	0.86
F20	02 Feb 2016	7	15.49	85.35	7.4	33.58	8.2	24.8	0.93
F20	02 Feb 2016	8	15.49	85.38	7.4	33.58	8.2	24.8	1.00
F20	02 Feb 2016	9	15.48	85.42	7.4	33.58	8.2	24.8	1.08
F20	02 Feb 2016	10	15.49	85.43	7.3	33.58	8.2	24.8	1.17
F20	02 Feb 2016	11	15.48	85.40	7.4	33.58	8.2	24.8	1.21
F20	02 Feb 2016	12	15.48	85.43	7.4	33.58	8.2	24.8	1.29
F20	02 Feb 2016	13	15.48	85.43	7.3	33.58	8.2	24.8	1.39
F20	02 Feb 2016	14	15.48	85.48	7.3	33.58	8.2	24.8	1.44
F20	02 Feb 2016	15	15.48	85.58	7.4	33.58	8.2	24.8	1.47
F20	02 Feb 2016	16	15.48	85.62	7.4	33.58	8.2	24.8	1.51
F20	02 Feb 2016	17	15.48	85.68	7.4	33.58	8.2	24.8	1.50
F20	02 Feb 2016	18	15.48	85.70	7.3	33.58	8.2	24.8	1.53
F20	02 Feb 2016	19	15.48	85.74	7.3	33.58	8.2	24.8	1.55
F20	02 Feb 2016	20	15.48	85.79	7.4	33.58	8.2	24.8	1.53
F20	02 Feb 2016	21	15.47	85.78	7.3	33.58	8.2	24.8	1.55
F20	02 Feb 2016	22	15.47	85.72	7.3	33.58	8.2	24.8	1.55
F20	02 Feb 2016	23	15.47	85.68	7.3	33.58	8.2	24.8	1.56
F20	02 Feb 2016	24	15.48	85.70	7.4	33.58	8.2	24.8	1.59
F20	02 Feb 2016	25	15.48	85.61	7.3	33.58	8.2	24.8	1.58
F20	02 Feb 2016	26	15.48	85.55	7.3	33.58	8.2	24.8	1.58
F20	02 Feb 2016	27	15.48	85.59	7.3	33.58	8.2	24.8	1.57
F20	02 Feb 2016	28	15.47	85.58	7.3	33.58	8.2	24.8	1.50
F20	02 Feb 2016	29	15.45	86.01	7.3	33.58	8.2	24.8	1.38
F20	02 Feb 2016	30	15.45	86.02	7.1	33.57	8.2	24.8	1.12
F20	02 Feb 2016	31	15.32	85.90	6.8	33.57	8.2	24.8	0.95
F20	02 Feb 2016	32	15.07	84.66	6.7	33.55	8.2	24.8	0.87
F20	02 Feb 2016	33	14.83	84.32	6.5	33.53	8.2	24.9	0.65
F20	02 Feb 2016	34	14.35	87.93	6.5	33.47	8.1	24.9	0.57
F20	02 Feb 2016	35	14.12	89.38	6.3	33.44	8.1	25.0	0.47
F20	02 Feb 2016	36	13.61	89.80	6.2	33.40	8.1	25.0	0.44
F20	02 Feb 2016	37	13.68	89.99	6.1	33.41	8.1	25.0	0.41
F20	02 Feb 2016	38	13.41	89.97	5.9	33.41	8.1	25.1	0.35
F20	02 Feb 2016	39	13.18	89.96	5.8	33.40	8.1	25.1	0.32
F20	02 Feb 2016	40	13.17	89.56	5.6	33.42	8.1	25.1	0.30
F20	02 Feb 2016	41	13.03	88.83	5.6	33.45	8.0	25.2	0.29
F20	02 Feb 2016	42	13.02	89.10	5.6	33.45	8.0	25.2	0.29
F20	02 Feb 2016	43	12.90	89.23	5.6	33.45	8.0	25.2	0.27
F20	02 Feb 2016	44	12.79	89.26	5.5	33.45	8.0	25.2	0.26
F20	02 Feb 2016	45	12.72	88.87	5.5	33.46	8.0	25.3	0.26
F20	02 Feb 2016	46	12.65	89.07	5.5	33.45	8.0	25.3	0.26
F20	02 Feb 2016	47	12.65	89.24	5.5	33.46	8.0	25.3	0.25
F20	02 Feb 2016	48	12.52	89.22	5.5	33.46	8.0	25.3	0.24
F20	02 Feb 2016	49	12.38	89.33	5.5	33.45	8.0	25.3	0.23
F20	02 Feb 2016	50	12.39	89.46	5.4	33.45	8.0	25.3	0.22
F20	02 Feb 2016	51	12.18	90.07	5.4	33.46	8.0	25.4	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F20	02 Feb 2016	52	12.15	90.02	5.3	33.47	8.0	25.4	0.21
F20	02 Feb 2016	53	12.09	90.01	5.1	33.48	8.0	25.4	0.20
F20	02 Feb 2016	54	11.95	89.80	5.0	33.48	8.0	25.4	0.18
F20	02 Feb 2016	55	11.86	86.19	4.9	33.49	8.0	25.4	0.17
F20	02 Feb 2016	56	11.89	86.17	5.0	33.51	8.0	25.4	0.17
F20	02 Feb 2016	57	11.94	87.27	4.9	33.53	8.0	25.5	0.17
F20	02 Feb 2016	58	11.89	87.65	4.8	33.52	8.0	25.5	0.16
F20	02 Feb 2016	59	11.80	87.60	4.7	33.51	7.9	25.5	0.15
F20	02 Feb 2016	60	11.76	86.20	4.6	33.50	7.9	25.5	0.15
F20	02 Feb 2016	61	11.71	83.11	4.6	33.50	7.9	25.5	0.15
F20	02 Feb 2016	62	11.71	84.46	4.6	33.51	7.9	25.5	0.15
F20	02 Feb 2016	63	11.74	83.14	4.7	33.53	7.9	25.5	0.15
F20	02 Feb 2016	64	11.75	83.24	4.7	33.54	7.9	25.5	0.15
F20	02 Feb 2016	65	11.76	83.34	4.7	33.54	7.9	25.5	0.15
F20	02 Feb 2016	66	11.77	83.18	4.7	33.54	7.9	25.5	0.16
F20	02 Feb 2016	67	11.78	82.89	4.8	33.56	7.9	25.5	0.16
F20	02 Feb 2016	68	11.79	84.86	4.8	33.58	7.9	25.5	0.15
F20	02 Feb 2016	69	11.77	86.49	4.8	33.59	7.9	25.5	0.16
F20	02 Feb 2016	70	11.76	84.50	4.7	33.59	7.9	25.5	0.16
F20	02 Feb 2016	71	11.73	81.78	4.7	33.60	7.9	25.6	0.17
F20	02 Feb 2016	72	11.72	78.69	4.6	33.60	7.9	25.6	0.17
F20	02 Feb 2016	73	11.72	78.32	4.6	33.60	7.9	25.6	0.17
F20	02 Feb 2016	74	11.72	75.20	4.6	33.60	7.9	25.6	0.21
F20	02 Feb 2016	75	11.73	73.46	4.6	33.60	7.9	25.6	0.20
F20	02 Feb 2016	76	11.73	73.29	4.6	33.60	7.9	25.6	0.18
F20	02 Feb 2016	77	11.73	73.23	4.6	33.60	7.9	25.6	0.18
F20	02 Feb 2016	78	11.73	72.78	4.6	33.60	7.9	25.6	0.18
F20	02 Feb 2016	79	11.73	72.44	4.6	33.60	7.9	25.6	0.18
F20	02 Feb 2016	80	11.74	71.62	4.6	33.61	7.9	25.6	0.19
F20	02 Feb 2016	81	11.74	69.07	4.6	33.61	7.9	25.6	0.19
F21	02 Feb 2016	1	15.49	85.43	7.4	33.58	8.2	24.8	0.54
F21	02 Feb 2016	2	15.48	85.60	7.4	33.58	8.2	24.8	0.56
F21	02 Feb 2016	3	15.48	85.70	7.4	33.58	8.2	24.8	0.62
F21	02 Feb 2016	4	15.48	85.70	7.4	33.58	8.2	24.8	0.69
F21	02 Feb 2016	5	15.47	85.67	7.4	33.58	8.2	24.8	0.75
F21	02 Feb 2016	6	15.47	85.64	7.4	33.58	8.2	24.8	0.81
F21	02 Feb 2016	7	15.47	85.65	7.4	33.58	8.2	24.8	0.88
F21	02 Feb 2016	8	15.46	85.61	7.4	33.58	8.2	24.8	0.91
F21	02 Feb 2016	9	15.46	85.60	7.3	33.58	8.2	24.8	1.02
F21	02 Feb 2016	10	15.46	85.59	7.3	33.58	8.2	24.8	1.09
F21	02 Feb 2016	11	15.46	85.57	7.3	33.58	8.2	24.8	1.15
F21	02 Feb 2016	12	15.46	85.58	7.3	33.58	8.2	24.8	1.23
F21	02 Feb 2016	13	15.46	85.59	7.3	33.58	8.2	24.8	1.26
F21	02 Feb 2016	14	15.46	85.57	7.2	33.58	8.2	24.8	1.30
F21	02 Feb 2016	15	15.46	85.59	7.3	33.58	8.2	24.8	1.35
F21	02 Feb 2016	16	15.46	85.59	7.3	33.58	8.2	24.8	1.39
F21	02 Feb 2016	17	15.46	85.61	7.3	33.58	8.2	24.8	1.42
F21	02 Feb 2016	18	15.46	85.61	7.3	33.58	8.2	24.8	1.45
F21	02 Feb 2016	19	15.46	85.61	7.3	33.58	8.2	24.8	1.47
F21	02 Feb 2016	20	15.45	85.66	7.2	33.58	8.2	24.8	1.47
F21	02 Feb 2016	21	15.45	85.68	7.2	33.58	8.2	24.8	1.47
F21	02 Feb 2016	22	15.45	85.72	7.2	33.58	8.2	24.8	1.49
F21	02 Feb 2016	23	15.45	85.75	7.2	33.58	8.2	24.8	1.50
F21	02 Feb 2016	24	15.45	85.71	7.3	33.58	8.2	24.8	1.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F21	02 Feb 2016	25	15.45	85.69	7.3	33.58	8.2	24.8	1.52
F21	02 Feb 2016	26	15.45	85.69	7.3	33.58	8.2	24.8	1.49
F21	02 Feb 2016	27	15.45	85.67	7.2	33.58	8.2	24.8	1.47
F21	02 Feb 2016	28	15.45	85.73	7.3	33.58	8.2	24.8	1.46
F21	02 Feb 2016	29	15.45	85.76	7.2	33.58	8.2	24.8	1.45
F21	02 Feb 2016	30	15.45	85.74	7.2	33.58	8.2	24.8	1.37
F21	02 Feb 2016	31	15.44	85.76	7.2	33.58	8.2	24.8	1.30
F21	02 Feb 2016	32	15.40	85.43	7.2	33.58	8.2	24.8	1.25
F21	02 Feb 2016	33	15.31	83.99	6.6	33.57	8.2	24.8	0.84
F21	02 Feb 2016	34	14.83	82.37	6.1	33.55	8.2	24.9	0.60
F21	02 Feb 2016	35	14.36	84.19	6.1	33.49	8.1	24.9	0.51
F21	02 Feb 2016	36	13.86	89.01	6.1	33.43	8.1	25.0	0.45
F21	02 Feb 2016	37	13.52	90.04	6.0	33.39	8.1	25.0	0.40
F21	02 Feb 2016	38	13.32	90.24	6.0	33.39	8.1	25.1	0.36
F21	02 Feb 2016	39	13.29	90.37	5.9	33.39	8.1	25.1	0.34
F21	02 Feb 2016	40	13.15	90.08	5.8	33.40	8.1	25.1	0.32
F21	02 Feb 2016	41	13.10	89.91	5.6	33.41	8.1	25.1	0.28
F21	02 Feb 2016	42	12.86	89.74	5.4	33.44	8.0	25.2	0.26
F21	02 Feb 2016	43	12.84	87.39	5.2	33.47	8.0	25.2	0.24
F21	02 Feb 2016	44	12.87	84.74	5.2	33.48	8.0	25.2	0.26
F21	02 Feb 2016	45	12.88	83.24	5.2	33.49	8.0	25.2	0.24
F21	02 Feb 2016	46	12.86	82.69	5.1	33.49	8.0	25.3	0.23
F21	02 Feb 2016	47	12.76	84.32	5.3	33.49	8.0	25.3	0.23
F21	02 Feb 2016	48	12.68	86.92	5.3	33.48	8.0	25.3	0.23
F21	02 Feb 2016	49	12.55	87.75	5.4	33.47	8.0	25.3	0.22
F21	02 Feb 2016	50	12.50	88.75	5.4	33.47	8.0	25.3	0.22
F21	02 Feb 2016	51	12.38	88.67	5.5	33.46	8.0	25.3	0.23
F21	02 Feb 2016	52	12.40	89.99	5.4	33.46	8.0	25.3	0.23
F21	02 Feb 2016	53	12.26	90.20	5.5	33.45	8.0	25.3	0.23
F21	02 Feb 2016	54	12.26	90.22	5.5	33.45	8.0	25.3	0.22
F21	02 Feb 2016	55	12.26	90.13	5.4	33.45	8.0	25.3	0.22
F21	02 Feb 2016	56	12.25	90.14	5.4	33.45	8.0	25.3	0.21
F21	02 Feb 2016	57	12.19	90.14	5.4	33.46	8.0	25.4	0.21
F21	02 Feb 2016	58	12.14	90.16	5.3	33.47	8.0	25.4	0.19
F21	02 Feb 2016	59	12.03	90.26	5.1	33.50	8.0	25.4	0.18
F21	02 Feb 2016	60	11.90	89.41	5.0	33.51	8.0	25.5	0.17
F21	02 Feb 2016	61	11.86	87.99	4.9	33.51	8.0	25.5	0.17
F21	02 Feb 2016	62	11.80	86.52	4.9	33.51	8.0	25.5	0.17
F21	02 Feb 2016	63	11.79	87.99	4.9	33.53	8.0	25.5	0.16
F21	02 Feb 2016	64	11.76	87.69	4.8	33.53	7.9	25.5	0.16
F21	02 Feb 2016	65	11.72	84.52	4.6	33.52	7.9	25.5	0.15
F21	02 Feb 2016	66	11.62	82.45	4.5	33.54	7.9	25.5	0.14
F21	02 Feb 2016	67	11.62	82.02	4.4	33.54	7.9	25.5	0.14
F21	02 Feb 2016	68	11.62	81.98	4.4	33.54	7.9	25.5	0.14
F21	02 Feb 2016	69	11.62	82.07	4.5	33.54	7.9	25.5	0.14
F21	02 Feb 2016	70	11.63	82.34	4.5	33.55	7.9	25.5	0.14
F21	02 Feb 2016	71	11.63	82.57	4.5	33.55	7.9	25.5	0.14
F21	02 Feb 2016	72	11.63	82.56	4.5	33.55	7.9	25.5	0.14
F21	02 Feb 2016	73	11.64	82.76	4.5	33.55	7.9	25.5	0.14
F21	02 Feb 2016	74	11.65	82.53	4.5	33.56	7.9	25.5	0.14
F21	02 Feb 2016	75	11.66	81.75	4.5	33.56	7.9	25.5	0.14
F21	02 Feb 2016	76	11.68	81.49	4.5	33.58	7.9	25.5	0.14
F21	02 Feb 2016	77	11.67	81.57	4.5	33.57	7.9	25.5	0.15
F21	02 Feb 2016	78	11.74	80.58	4.5	33.60	7.9	25.5	0.17
F21	02 Feb 2016	79	11.73	79.90	4.6	33.59	7.9	25.5	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F21	02 Feb 2016	80	11.78	75.19	4.6	33.61	7.9	25.6	0.18
F21	02 Feb 2016	81	11.78	71.17	4.5	33.62	7.9	25.6	0.18
F21	02 Feb 2016	82	11.77	69.59	4.5	33.62	7.9	25.6	0.18
F22	02 Feb 2016	1	15.49	83.36	7.4	33.59	8.2	24.8	0.74
F22	02 Feb 2016	2	15.48	83.41	7.4	33.59	8.2	24.8	0.78
F22	02 Feb 2016	3	15.48	83.54	7.4	33.59	8.2	24.8	0.85
F22	02 Feb 2016	4	15.48	83.56	7.4	33.59	8.2	24.8	0.94
F22	02 Feb 2016	5	15.47	83.47	7.4	33.59	8.2	24.8	1.01
F22	02 Feb 2016	6	15.47	83.34	7.4	33.59	8.2	24.8	1.10
F22	02 Feb 2016	7	15.47	83.29	7.4	33.59	8.2	24.8	1.22
F22	02 Feb 2016	8	15.47	83.26	7.3	33.59	8.2	24.8	1.32
F22	02 Feb 2016	9	15.46	83.16	7.2	33.59	8.2	24.8	1.40
F22	02 Feb 2016	10	15.46	83.17	7.3	33.59	8.2	24.8	1.46
F22	02 Feb 2016	11	15.46	83.20	7.4	33.58	8.2	24.8	1.53
F22	02 Feb 2016	12	15.46	83.26	7.3	33.59	8.2	24.8	1.56
F22	02 Feb 2016	13	15.46	83.28	7.3	33.58	8.2	24.8	1.63
F22	02 Feb 2016	14	15.46	83.40	7.3	33.58	8.2	24.8	1.64
F22	02 Feb 2016	15	15.46	83.43	7.2	33.59	8.2	24.8	1.66
F22	02 Feb 2016	16	15.46	83.27	7.3	33.59	8.2	24.8	1.66
F22	02 Feb 2016	17	15.46	83.17	7.3	33.58	8.2	24.8	1.65
F22	02 Feb 2016	18	15.45	83.13	7.2	33.58	8.2	24.8	1.67
F22	02 Feb 2016	19	15.45	83.11	7.2	33.58	8.2	24.8	1.65
F22	02 Feb 2016	20	15.45	83.19	7.3	33.58	8.2	24.8	1.65
F22	02 Feb 2016	21	15.45	83.22	7.3	33.58	8.2	24.8	1.63
F22	02 Feb 2016	22	15.45	82.91	7.3	33.58	8.2	24.8	1.59
F22	02 Feb 2016	23	15.45	82.93	7.3	33.58	8.2	24.8	1.57
F22	02 Feb 2016	24	15.44	82.34	7.3	33.58	8.2	24.8	1.55
F22	02 Feb 2016	25	15.43	81.99	7.2	33.58	8.2	24.8	1.51
F22	02 Feb 2016	26	15.43	79.82	7.2	33.59	8.2	24.8	1.50
F22	02 Feb 2016	27	15.42	77.44	7.2	33.59	8.2	24.8	1.47
F22	02 Feb 2016	28	15.40	78.23	7.2	33.58	8.2	24.8	1.44
F22	02 Feb 2016	29	15.41	77.04	7.3	33.59	8.2	24.8	1.42
F22	02 Feb 2016	30	15.41	74.04	7.3	33.59	8.2	24.8	1.39
F22	02 Feb 2016	31	15.41	70.78	7.2	33.60	8.2	24.8	1.33
F22	02 Feb 2016	32	15.35	72.39	7.2	33.59	8.2	24.8	1.29
F22	02 Feb 2016	33	15.33	75.25	7.1	33.58	8.2	24.8	1.23
F22	02 Feb 2016	34	15.31	76.21	7.0	33.58	8.2	24.8	1.17
F22	02 Feb 2016	35	15.27	77.49	7.0	33.58	8.2	24.8	1.15
F22	02 Feb 2016	36	15.22	79.26	6.8	33.57	8.2	24.8	1.07
F22	02 Feb 2016	37	14.97	82.05	6.4	33.55	8.2	24.9	0.83
F22	02 Feb 2016	38	14.79	80.61	6.4	33.55	8.1	24.9	0.79
F22	02 Feb 2016	39	14.61	78.05	6.5	33.55	8.1	24.9	0.78
F22	02 Feb 2016	40	14.66	78.14	6.1	33.55	8.1	24.9	0.55
F22	02 Feb 2016	41	13.60	82.19	5.8	33.43	8.1	25.1	0.36
F22	02 Feb 2016	42	13.02	89.61	5.8	33.39	8.1	25.1	0.37
F22	02 Feb 2016	43	13.14	89.36	5.7	33.41	8.1	25.1	0.31
F22	02 Feb 2016	44	12.91	88.69	5.6	33.43	8.1	25.2	0.28
F22	02 Feb 2016	45	12.89	88.53	5.4	33.43	8.0	25.2	0.27
F22	02 Feb 2016	46	12.88	87.19	5.4	33.45	8.0	25.2	0.26
F22	02 Feb 2016	47	12.89	86.40	5.2	33.46	8.0	25.2	0.24
F22	02 Feb 2016	48	12.79	84.37	5.1	33.49	8.0	25.3	0.23
F22	02 Feb 2016	49	12.77	84.38	5.2	33.49	8.0	25.3	0.23
F22	02 Feb 2016	50	12.78	84.51	5.2	33.49	8.0	25.3	0.22
F22	02 Feb 2016	51	12.75	84.55	5.2	33.49	8.0	25.3	0.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F22	02 Feb 2016	52	12.75	84.63	5.1	33.49	8.0	25.3	0.23
F22	02 Feb 2016	53	12.75	84.51	5.0	33.50	8.0	25.3	0.21
F22	02 Feb 2016	54	12.74	84.15	5.0	33.50	8.0	25.3	0.23
F22	02 Feb 2016	55	12.65	81.39	5.1	33.51	8.0	25.3	0.22
F22	02 Feb 2016	56	12.66	79.05	5.0	33.51	8.0	25.3	0.21
F22	02 Feb 2016	57	12.52	78.51	5.0	33.53	8.0	25.3	0.20
F22	02 Feb 2016	58	12.39	81.55	5.0	33.53	8.0	25.4	0.20
F22	02 Feb 2016	59	12.38	83.97	5.1	33.52	8.0	25.4	0.19
F22	02 Feb 2016	60	12.15	86.85	5.1	33.52	8.0	25.4	0.22
F22	02 Feb 2016	61	12.04	88.97	5.0	33.52	8.0	25.4	0.18
F22	02 Feb 2016	62	12.00	89.12	5.0	33.54	8.0	25.5	0.18
F22	02 Feb 2016	63	12.00	88.62	5.0	33.54	8.0	25.5	0.16
F22	02 Feb 2016	64	11.98	89.05	4.8	33.55	8.0	25.5	0.16
F22	02 Feb 2016	65	11.90	89.43	4.8	33.56	8.0	25.5	0.16
F22	02 Feb 2016	66	11.84	87.96	4.6	33.55	7.9	25.5	0.15
F22	02 Feb 2016	67	11.70	85.60	4.6	33.54	7.9	25.5	0.15
F22	02 Feb 2016	68	11.64	83.31	4.6	33.55	7.9	25.5	0.15
F22	02 Feb 2016	69	11.65	83.77	4.6	33.55	7.9	25.5	0.15
F22	02 Feb 2016	70	11.63	83.51	4.5	33.56	7.9	25.5	0.15
F22	02 Feb 2016	71	11.64	83.42	4.5	33.57	7.9	25.5	0.15
F22	02 Feb 2016	72	11.65	83.63	4.6	33.57	7.9	25.5	0.15
F22	02 Feb 2016	73	11.68	84.02	4.6	33.59	7.9	25.5	0.15
F22	02 Feb 2016	74	11.71	84.14	4.6	33.59	7.9	25.6	0.15
F22	02 Feb 2016	75	11.72	83.57	4.6	33.60	7.9	25.6	0.15
F22	02 Feb 2016	76	11.74	82.76	4.6	33.61	7.9	25.6	0.15
F22	02 Feb 2016	77	11.74	81.04	4.6	33.61	7.9	25.6	0.15
F22	02 Feb 2016	78	11.75	78.73	4.5	33.62	7.9	25.6	0.17
F22	02 Feb 2016	79	11.74	70.96	4.5	33.63	7.9	25.6	0.18
F22	02 Feb 2016	80	11.73	66.35	4.4	33.63	7.9	25.6	0.19
F22	02 Feb 2016	81	11.72	60.58	4.4	33.63	7.9	25.6	0.19
F23	02 Feb 2016	1	15.43	72.03	7.5	33.60	8.2	24.8	0.93
F23	02 Feb 2016	2	15.43	71.77	7.5	33.60	8.2	24.8	1.07
F23	02 Feb 2016	3	15.43	72.06	7.5	33.60	8.2	24.8	1.30
F23	02 Feb 2016	4	15.43	72.05	7.4	33.60	8.2	24.8	1.47
F23	02 Feb 2016	5	15.42	71.83	7.4	33.60	8.2	24.8	1.59
F23	02 Feb 2016	6	15.42	71.52	7.4	33.60	8.2	24.8	1.66
F23	02 Feb 2016	7	15.42	71.63	7.4	33.60	8.2	24.8	1.70
F23	02 Feb 2016	8	15.41	71.73	7.4	33.60	8.2	24.8	1.70
F23	02 Feb 2016	9	15.41	71.73	7.4	33.60	8.2	24.8	1.68
F23	02 Feb 2016	10	15.41	71.67	7.3	33.60	8.2	24.8	1.67
F23	02 Feb 2016	11	15.41	71.45	7.3	33.60	8.2	24.8	1.66
F23	02 Feb 2016	12	15.40	71.26	7.3	33.60	8.2	24.8	1.66
F23	02 Feb 2016	13	15.40	71.20	7.3	33.60	8.2	24.8	1.64
F23	02 Feb 2016	14	15.40	71.27	7.3	33.60	8.2	24.8	1.63
F23	02 Feb 2016	15	15.40	71.44	7.4	33.60	8.2	24.8	1.63
F23	02 Feb 2016	16	15.40	71.67	7.4	33.60	8.2	24.8	1.61
F23	02 Feb 2016	17	15.39	71.53	7.4	33.60	8.2	24.8	1.60
F23	02 Feb 2016	18	15.39	71.73	7.4	33.60	8.2	24.8	1.59
F23	02 Feb 2016	19	15.39	71.40	7.4	33.60	8.2	24.8	1.57
F23	02 Feb 2016	20	15.39	71.45	7.4	33.60	8.2	24.8	1.56
F23	02 Feb 2016	21	15.39	71.61	7.3	33.60	8.2	24.8	1.54
F23	02 Feb 2016	22	15.38	71.31	7.3	33.60	8.2	24.8	1.52
F23	02 Feb 2016	23	15.38	71.15	7.4	33.60	8.2	24.8	1.51
F23	02 Feb 2016	24	15.37	71.11	7.4	33.60	8.2	24.8	1.53

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 2016	25	15.37	71.25	7.4	33.60	8.2	24.8	1.52
F23	02 Feb 2016	26	15.37	71.20	7.4	33.60	8.2	24.8	1.48
F23	02 Feb 2016	27	15.36	70.88	7.3	33.60	8.2	24.8	1.47
F23	02 Feb 2016	28	15.36	71.02	7.4	33.60	8.2	24.8	1.47
F23	02 Feb 2016	29	15.36	70.89	7.3	33.60	8.2	24.8	1.44
F23	02 Feb 2016	30	15.35	70.40	7.3	33.60	8.2	24.8	1.40
F23	02 Feb 2016	31	15.35	70.51	7.2	33.60	8.2	24.8	1.40
F23	02 Feb 2016	32	15.33	70.21	7.3	33.60	8.2	24.8	1.39
F23	02 Feb 2016	33	15.33	70.69	7.2	33.59	8.2	24.8	1.32
F23	02 Feb 2016	34	15.27	70.70	7.1	33.59	8.2	24.8	1.27
F23	02 Feb 2016	35	15.22	72.51	6.9	33.58	8.2	24.8	1.07
F23	02 Feb 2016	36	14.94	78.33	6.6	33.56	8.2	24.9	0.92
F23	02 Feb 2016	37	14.81	77.85	6.7	33.56	8.2	24.9	0.89
F23	02 Feb 2016	38	14.83	77.85	6.6	33.56	8.1	24.9	0.80
F23	02 Feb 2016	39	14.69	76.84	6.4	33.57	8.1	24.9	0.72
F23	02 Feb 2016	40	14.48	76.54	5.8	33.55	8.1	25.0	0.54
F23	02 Feb 2016	41	14.12	77.95	5.7	33.52	8.1	25.0	0.49
F23	02 Feb 2016	42	14.04	79.70	5.7	33.50	8.1	25.0	0.48
F23	02 Feb 2016	43	14.00	80.33	5.7	33.50	8.1	25.0	0.41
F23	02 Feb 2016	44	13.63	83.66	5.7	33.47	8.1	25.1	0.34
F23	02 Feb 2016	45	13.10	87.30	5.9	33.41	8.1	25.1	0.32
F23	02 Feb 2016	46	12.82	89.75	5.7	33.39	8.1	25.2	0.28
F23	02 Feb 2016	47	12.72	87.20	5.3	33.45	8.0	25.2	0.23
F23	02 Feb 2016	48	12.69	84.95	5.1	33.48	8.0	25.3	0.22
F23	02 Feb 2016	49	12.62	84.40	5.1	33.50	8.0	25.3	0.21
F23	02 Feb 2016	50	12.57	85.23	5.1	33.51	8.0	25.3	0.22
F23	02 Feb 2016	51	12.55	85.42	5.1	33.51	8.0	25.3	0.21
F23	02 Feb 2016	52	12.55	85.59	5.1	33.51	8.0	25.3	0.20
F23	02 Feb 2016	53	12.52	85.99	5.1	33.51	8.0	25.3	0.20
F23	02 Feb 2016	54	12.52	85.99	5.0	33.51	8.0	25.3	0.19
F23	02 Feb 2016	55	12.46	85.39	5.0	33.52	8.0	25.3	0.19
F23	02 Feb 2016	56	12.43	84.74	5.0	33.52	8.0	25.4	0.19
F23	02 Feb 2016	57	12.42	83.77	5.0	33.53	8.0	25.4	0.20
F23	02 Feb 2016	58	12.42	83.50	4.9	33.52	8.0	25.4	0.18
F23	02 Feb 2016	59	12.36	82.42	4.9	33.54	8.0	25.4	0.18
F23	02 Feb 2016	60	12.31	80.75	4.8	33.55	8.0	25.4	0.18
F23	02 Feb 2016	61	12.30	80.01	4.8	33.55	8.0	25.4	0.18
F23	02 Feb 2016	62	12.29	79.38	4.8	33.55	8.0	25.4	0.18
F23	02 Feb 2016	63	12.23	79.09	4.9	33.55	8.0	25.4	0.17
F23	02 Feb 2016	64	12.02	82.06	4.9	33.56	8.0	25.5	0.16
F23	02 Feb 2016	65	11.98	87.29	4.9	33.56	7.9	25.5	0.16
F23	02 Feb 2016	66	11.96	87.50	4.9	33.56	7.9	25.5	0.16
F23	02 Feb 2016	67	11.93	87.98	4.9	33.56	7.9	25.5	0.16
F23	02 Feb 2016	68	11.91	88.65	4.9	33.57	7.9	25.5	0.16
F23	02 Feb 2016	69	11.87	88.99	4.8	33.58	7.9	25.5	0.15
F23	02 Feb 2016	70	11.81	89.07	4.7	33.60	7.9	25.5	0.14
F23	02 Feb 2016	71	11.80	89.10	4.7	33.60	7.9	25.5	0.16
F23	02 Feb 2016	72	11.80	89.00	4.7	33.60	7.9	25.5	0.14
F23	02 Feb 2016	73	11.79	88.77	4.7	33.60	7.9	25.5	0.14
F23	02 Feb 2016	74	11.76	86.64	4.6	33.61	7.9	25.6	0.14
F23	02 Feb 2016	75	11.75	84.84	4.6	33.61	7.9	25.6	0.15
F23	02 Feb 2016	76	11.75	84.06	4.6	33.62	7.9	25.6	0.15
F23	02 Feb 2016	77	11.73	80.07	4.5	33.62	7.9	25.6	0.16
F23	02 Feb 2016	78	11.72	77.84	4.5	33.63	7.9	25.6	0.16
F23	02 Feb 2016	79	11.70	74.35	4.4	33.63	7.9	25.6	0.16

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 2016	80	11.69	69.92	4.4	33.64	7.9	25.6	0.17
F23	02 Feb 2016	81	11.68	63.26	4.3	33.65	7.9	25.6	0.17
F23	02 Feb 2016	82	11.67	54.89	4.3	33.65	7.9	25.6	0.16
F24	02 Feb 2016	1	15.35	69.82	7.4	33.60	8.2	24.8	0.87
F24	02 Feb 2016	2	15.35	69.76	7.4	33.60	8.2	24.8	1.04
F24	02 Feb 2016	3	15.35	69.23	7.4	33.60	8.2	24.8	1.21
F24	02 Feb 2016	4	15.35	69.21	7.4	33.60	8.2	24.8	1.34
F24	02 Feb 2016	5	15.35	69.35	7.3	33.60	8.2	24.8	1.43
F24	02 Feb 2016	6	15.35	69.08	7.3	33.60	8.2	24.8	1.45
F24	02 Feb 2016	7	15.35	68.97	7.3	33.60	8.2	24.8	1.46
F24	02 Feb 2016	8	15.35	69.22	7.4	33.60	8.2	24.8	1.46
F24	02 Feb 2016	9	15.35	69.37	7.3	33.60	8.2	24.8	1.46
F24	02 Feb 2016	10	15.35	69.17	7.3	33.60	8.2	24.8	1.45
F24	02 Feb 2016	11	15.35	69.00	7.3	33.60	8.2	24.8	1.46
F24	02 Feb 2016	12	15.35	69.19	7.4	33.60	8.2	24.8	1.47
F24	02 Feb 2016	13	15.35	69.27	7.3	33.60	8.2	24.8	1.46
F24	02 Feb 2016	14	15.35	68.67	7.3	33.60	8.2	24.8	1.45
F24	02 Feb 2016	15	15.35	68.79	7.3	33.60	8.2	24.8	1.49
F24	02 Feb 2016	16	15.35	68.82	7.3	33.60	8.2	24.8	1.46
F24	02 Feb 2016	17	15.35	68.75	7.3	33.60	8.2	24.8	1.43
F24	02 Feb 2016	18	15.35	68.79	7.2	33.60	8.2	24.8	1.40
F24	02 Feb 2016	19	15.35	68.77	7.2	33.60	8.2	24.8	1.39
F24	02 Feb 2016	20	15.33	69.07	7.3	33.60	8.2	24.8	1.39
F24	02 Feb 2016	21	15.33	69.30	7.1	33.60	8.2	24.8	1.26
F24	02 Feb 2016	22	15.30	68.99	6.8	33.59	8.2	24.8	1.12
F24	02 Feb 2016	23	15.07	69.03	6.7	33.58	8.2	24.9	1.05
F24	02 Feb 2016	24	14.88	71.92	6.6	33.57	8.2	24.9	0.96
F24	02 Feb 2016	25	14.75	74.17	6.5	33.56	8.1	24.9	0.87
F24	02 Feb 2016	26	14.70	75.05	6.5	33.55	8.1	24.9	0.86
F24	02 Feb 2016	27	14.69	74.77	6.5	33.55	8.1	24.9	0.85
F24	02 Feb 2016	28	14.68	74.96	6.5	33.55	8.1	24.9	0.85
F24	02 Feb 2016	29	14.69	75.26	6.5	33.55	8.1	24.9	0.83
F24	02 Feb 2016	30	14.67	74.74	6.5	33.55	8.1	24.9	0.83
F24	02 Feb 2016	31	14.68	75.12	6.5	33.55	8.1	24.9	0.82
F24	02 Feb 2016	32	14.67	75.14	6.5	33.56	8.1	24.9	0.80
F24	02 Feb 2016	33	14.66	75.13	6.5	33.56	8.1	24.9	0.80
F24	02 Feb 2016	34	14.66	75.35	6.5	33.56	8.1	24.9	0.79
F24	02 Feb 2016	35	14.66	75.36	6.5	33.56	8.1	24.9	0.77
F24	02 Feb 2016	36	14.62	74.89	6.5	33.56	8.1	24.9	0.75
F24	02 Feb 2016	37	14.59	74.90	6.4	33.56	8.1	25.0	0.70
F24	02 Feb 2016	38	14.45	74.39	6.2	33.57	8.1	25.0	0.64
F24	02 Feb 2016	39	14.30	74.68	6.1	33.57	8.1	25.0	0.62
F24	02 Feb 2016	40	14.19	76.16	6.0	33.54	8.1	25.0	0.61
F24	02 Feb 2016	41	14.11	74.67	6.0	33.57	8.1	25.1	0.55
F24	02 Feb 2016	42	13.93	77.44	5.5	33.55	8.1	25.1	0.38
F24	02 Feb 2016	43	13.33	80.82	5.3	33.50	8.1	25.2	0.31
F24	02 Feb 2016	44	13.27	81.77	5.3	33.49	8.0	25.2	0.28
F24	02 Feb 2016	45	13.15	81.97	5.4	33.48	8.0	25.2	0.27
F24	02 Feb 2016	46	13.04	84.98	5.5	33.47	8.0	25.2	0.26
F24	02 Feb 2016	47	12.90	86.87	5.5	33.46	8.0	25.2	0.26
F24	02 Feb 2016	48	12.80	88.40	5.5	33.45	8.0	25.2	0.25
F24	02 Feb 2016	49	12.56	89.05	5.5	33.44	8.0	25.3	0.25
F24	02 Feb 2016	50	12.43	89.32	5.5	33.43	8.0	25.3	0.24
F24	02 Feb 2016	51	12.38	89.53	5.5	33.43	8.0	25.3	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F24	02 Feb 2016	52	12.33	89.26	5.4	33.44	8.0	25.3	0.23
F24	02 Feb 2016	53	12.36	88.71	5.4	33.45	8.0	25.3	0.22
F24	02 Feb 2016	54	12.38	88.18	5.1	33.46	8.0	25.3	0.20
F24	02 Feb 2016	55	12.44	85.87	5.0	33.51	8.0	25.4	0.19
F24	02 Feb 2016	56	12.43	85.09	5.0	33.52	8.0	25.4	0.20
F24	02 Feb 2016	57	12.41	85.02	5.0	33.52	8.0	25.4	0.19
F24	02 Feb 2016	58	12.41	85.20	5.0	33.52	8.0	25.4	0.19
F24	02 Feb 2016	59	12.39	85.36	5.0	33.52	8.0	25.4	0.19
F24	02 Feb 2016	60	12.35	85.51	5.0	33.52	8.0	25.4	0.19
F24	02 Feb 2016	61	12.31	85.67	5.0	33.53	8.0	25.4	0.19
F24	02 Feb 2016	62	12.28	85.53	5.0	33.53	8.0	25.4	0.18
F24	02 Feb 2016	63	12.26	85.25	5.0	33.53	8.0	25.4	0.18
F24	02 Feb 2016	64	12.23	84.77	4.9	33.54	8.0	25.4	0.18
F24	02 Feb 2016	65	12.20	83.89	4.9	33.54	8.0	25.4	0.18
F24	02 Feb 2016	66	12.17	83.16	4.8	33.55	8.0	25.4	0.17
F24	02 Feb 2016	67	12.14	82.73	4.8	33.55	7.9	25.4	0.17
F24	02 Feb 2016	68	12.11	82.05	4.8	33.56	7.9	25.5	0.17
F24	02 Feb 2016	69	12.06	80.77	4.8	33.57	7.9	25.5	0.17
F24	02 Feb 2016	70	12.08	80.14	4.7	33.57	7.9	25.5	0.16
F24	02 Feb 2016	71	12.04	78.69	4.7	33.58	7.9	25.5	0.17
F24	02 Feb 2016	72	11.99	78.09	4.6	33.59	7.9	25.5	0.16
F24	02 Feb 2016	73	11.93	79.31	4.6	33.60	7.9	25.5	0.16
F24	02 Feb 2016	74	11.87	81.67	4.6	33.60	7.9	25.5	0.16
F24	02 Feb 2016	75	11.86	82.76	4.6	33.60	7.9	25.5	0.15
F24	02 Feb 2016	76	11.87	82.62	4.6	33.60	7.9	25.5	0.15
F24	02 Feb 2016	77	11.82	85.29	4.7	33.60	7.9	25.5	0.15
F24	02 Feb 2016	78	11.78	86.31	4.7	33.60	7.9	25.5	0.15
F24	02 Feb 2016	79	11.78	86.86	4.7	33.60	7.9	25.5	0.15
F24	02 Feb 2016	80	11.73	87.28	4.5	33.62	7.9	25.6	0.14
F24	02 Feb 2016	81	11.66	86.52	4.4	33.64	7.9	25.6	0.15
F24	02 Feb 2016	82	11.60	76.50	4.3	33.66	7.9	25.6	0.15
F25	02 Feb 2016	1	15.38	69.06	7.5	33.55	8.2	24.8	1.04
F25	02 Feb 2016	2	15.38	71.64	7.4	33.60	8.2	24.8	1.18
F25	02 Feb 2016	3	15.37	71.96	7.4	33.60	8.2	24.8	1.32
F25	02 Feb 2016	4	15.35	71.30	7.4	33.60	8.2	24.8	1.41
F25	02 Feb 2016	5	15.33	70.78	7.4	33.60	8.2	24.8	1.49
F25	02 Feb 2016	6	15.33	70.46	7.3	33.60	8.2	24.8	1.54
F25	02 Feb 2016	7	15.32	70.12	7.3	33.60	8.2	24.8	1.55
F25	02 Feb 2016	8	15.32	69.92	7.3	33.60	8.2	24.8	1.54
F25	02 Feb 2016	9	15.32	69.93	7.3	33.60	8.2	24.8	1.52
F25	02 Feb 2016	10	15.31	69.87	7.3	33.60	8.2	24.8	1.51
F25	02 Feb 2016	11	15.31	69.41	7.3	33.60	8.2	24.8	1.51
F25	02 Feb 2016	12	15.31	69.46	7.3	33.60	8.2	24.8	1.50
F25	02 Feb 2016	13	15.30	69.59	7.3	33.60	8.2	24.8	1.48
F25	02 Feb 2016	14	15.30	69.68	7.3	33.60	8.2	24.8	1.45
F25	02 Feb 2016	15	15.30	69.45	7.2	33.60	8.2	24.8	1.45
F25	02 Feb 2016	16	15.30	69.46	7.2	33.60	8.2	24.8	1.45
F25	02 Feb 2016	17	15.30	69.63	7.3	33.60	8.2	24.8	1.44
F25	02 Feb 2016	18	15.30	69.48	7.2	33.60	8.2	24.8	1.41
F25	02 Feb 2016	19	15.29	69.18	7.2	33.60	8.2	24.8	1.41
F25	02 Feb 2016	20	15.29	69.62	7.3	33.60	8.2	24.8	1.39
F25	02 Feb 2016	21	15.29	69.43	7.2	33.60	8.2	24.8	1.34
F25	02 Feb 2016	22	15.27	69.20	7.1	33.60	8.2	24.8	1.29
F25	02 Feb 2016	23	15.25	69.17	7.0	33.59	8.2	24.8	1.25

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 2016	24	15.14	69.21	7.0	33.59	8.2	24.9	1.23
F25	02 Feb 2016	25	15.10	69.93	7.0	33.59	8.2	24.9	1.20
F25	02 Feb 2016	26	15.08	70.15	6.9	33.59	8.2	24.9	1.15
F25	02 Feb 2016	27	14.99	70.06	6.8	33.58	8.2	24.9	1.10
F25	02 Feb 2016	28	14.94	70.68	6.5	33.58	8.2	24.9	0.98
F25	02 Feb 2016	29	14.65	72.31	6.5	33.56	8.1	24.9	0.94
F25	02 Feb 2016	30	14.64	72.68	6.5	33.55	8.1	24.9	0.93
F25	02 Feb 2016	31	14.65	72.90	6.5	33.55	8.1	24.9	0.91
F25	02 Feb 2016	32	14.63	72.60	6.4	33.55	8.1	24.9	0.90
F25	02 Feb 2016	33	14.63	72.51	6.4	33.55	8.1	24.9	0.91
F25	02 Feb 2016	34	14.63	72.74	6.4	33.55	8.1	24.9	0.92
F25	02 Feb 2016	35	14.62	72.93	6.4	33.55	8.1	24.9	0.88
F25	02 Feb 2016	36	14.59	73.95	6.3	33.55	8.1	24.9	0.82
F25	02 Feb 2016	37	14.56	75.06	6.4	33.55	8.1	24.9	0.83
F25	02 Feb 2016	38	14.58	74.52	6.4	33.55	8.1	24.9	0.82
F25	02 Feb 2016	39	14.58	74.04	6.2	33.55	8.1	24.9	0.71
F25	02 Feb 2016	40	14.55	73.56	6.1	33.55	8.1	24.9	0.71
F25	02 Feb 2016	41	14.38	76.36	6.0	33.54	8.1	25.0	0.65
F25	02 Feb 2016	42	14.12	78.10	5.8	33.54	8.1	25.0	0.53
F25	02 Feb 2016	43	14.00	77.01	5.7	33.54	8.1	25.1	0.48
F25	02 Feb 2016	44	13.87	77.21	5.6	33.53	8.1	25.1	0.42
F25	02 Feb 2016	45	13.69	78.20	5.4	33.52	8.0	25.1	0.36
F25	02 Feb 2016	46	13.34	80.51	5.2	33.50	8.0	25.2	0.29
F25	02 Feb 2016	47	13.13	82.04	5.2	33.49	8.0	25.2	0.25
F25	02 Feb 2016	48	13.01	83.48	5.3	33.48	8.0	25.2	0.25
F25	02 Feb 2016	49	12.94	85.79	5.4	33.48	8.0	25.2	0.25
F25	02 Feb 2016	50	12.85	87.23	5.4	33.47	8.0	25.2	0.23
F25	02 Feb 2016	51	12.73	87.77	5.2	33.47	8.0	25.3	0.21
F25	02 Feb 2016	52	12.63	86.83	5.2	33.48	8.0	25.3	0.20
F25	02 Feb 2016	53	12.58	85.76	5.2	33.49	8.0	25.3	0.21
F25	02 Feb 2016	54	12.61	86.18	5.2	33.49	8.0	25.3	0.22
F25	02 Feb 2016	55	12.50	87.02	5.4	33.48	8.0	25.3	0.23
F25	02 Feb 2016	56	12.40	88.10	5.4	33.46	8.0	25.3	0.22
F25	02 Feb 2016	57	12.35	88.45	5.4	33.46	8.0	25.3	0.22
F25	02 Feb 2016	58	12.31	89.11	5.4	33.46	8.0	25.3	0.23
F25	02 Feb 2016	59	12.29	89.32	5.4	33.46	8.0	25.3	0.21
F25	02 Feb 2016	60	12.26	89.42	5.3	33.46	8.0	25.3	0.20
F25	02 Feb 2016	61	12.23	89.39	5.2	33.46	8.0	25.4	0.20
F25	02 Feb 2016	62	12.18	88.86	5.2	33.49	8.0	25.4	0.20
F25	02 Feb 2016	63	12.20	88.95	5.2	33.48	8.0	25.4	0.19
F25	02 Feb 2016	64	12.19	86.42	4.8	33.54	8.0	25.4	0.17
F25	02 Feb 2016	65	12.14	84.19	4.8	33.56	8.0	25.4	0.17
F25	02 Feb 2016	66	12.09	83.33	4.8	33.57	7.9	25.5	0.17
F25	02 Feb 2016	67	12.07	83.14	4.8	33.57	7.9	25.5	0.16
F25	02 Feb 2016	68	12.06	83.26	4.8	33.57	7.9	25.5	0.17
F25	02 Feb 2016	69	12.05	83.37	4.8	33.57	7.9	25.5	0.17
F25	02 Feb 2016	70	12.05	83.47	4.8	33.57	7.9	25.5	0.16
F25	02 Feb 2016	71	12.00	83.45	4.7	33.58	7.9	25.5	0.16
F25	02 Feb 2016	72	11.95	82.57	4.7	33.58	7.9	25.5	0.16
F25	02 Feb 2016	73	11.93	81.47	4.7	33.59	7.9	25.5	0.15
F25	02 Feb 2016	74	11.89	80.82	4.6	33.60	7.9	25.5	0.15
F25	02 Feb 2016	75	11.85	78.06	4.5	33.61	7.9	25.5	0.15
F25	02 Feb 2016	76	11.75	75.35	4.4	33.64	7.9	25.6	0.14
F25	02 Feb 2016	77	11.63	77.17	4.3	33.66	7.9	25.6	0.14
F25	02 Feb 2016	78	11.52	76.73	4.3	33.67	7.9	25.6	0.14

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 2016	79	11.47	68.78	4.3	33.67	7.9	25.7	0.15
F25	02 Feb 2016	80	11.46	66.04	4.3	33.68	7.9	25.7	0.15
F26	05 Feb 2016	1	15.54	83.03	7.6	33.59	8.2	24.8	0.92
F26	05 Feb 2016	2	15.52	82.65	7.6	33.59	8.2	24.8	1.18
F26	05 Feb 2016	3	15.45	82.06	7.7	33.59	8.2	24.8	1.34
F26	05 Feb 2016	4	15.43	81.90	7.6	33.59	8.2	24.8	1.51
F26	05 Feb 2016	5	15.42	81.80	7.6	33.59	8.2	24.8	1.61
F26	05 Feb 2016	6	15.42	81.72	7.6	33.59	8.2	24.8	1.74
F26	05 Feb 2016	7	15.41	81.68	7.6	33.59	8.2	24.8	1.94
F26	05 Feb 2016	8	15.41	81.58	7.6	33.59	8.2	24.8	2.20
F26	05 Feb 2016	9	15.40	81.50	7.5	33.59	8.2	24.8	2.41
F26	05 Feb 2016	10	15.39	81.45	7.5	33.59	8.2	24.8	2.59
F26	05 Feb 2016	11	15.38	81.24	7.6	33.59	8.2	24.8	2.79
F26	05 Feb 2016	12	15.38	81.08	7.6	33.59	8.2	24.8	2.99
F26	05 Feb 2016	13	15.37	80.93	7.6	33.59	8.2	24.8	2.99
F26	05 Feb 2016	14	15.37	80.89	7.5	33.59	8.2	24.8	2.97
F26	05 Feb 2016	15	15.38	81.01	7.6	33.59	8.2	24.8	2.97
F26	05 Feb 2016	16	15.38	81.04	7.6	33.59	8.2	24.8	3.00
F26	05 Feb 2016	17	15.38	81.11	7.6	33.59	8.2	24.8	3.19
F26	05 Feb 2016	18	15.37	81.03	7.5	33.59	8.2	24.8	3.27
F26	05 Feb 2016	19	15.36	81.25	7.6	33.59	8.2	24.8	3.27
F26	05 Feb 2016	20	15.35	81.65	7.6	33.59	8.2	24.8	3.27
F26	05 Feb 2016	21	15.35	81.93	7.5	33.59	8.2	24.8	3.13
F26	05 Feb 2016	22	15.34	82.19	7.5	33.59	8.2	24.8	2.98
F26	05 Feb 2016	23	15.34	82.39	7.5	33.59	8.2	24.8	2.90
F26	05 Feb 2016	24	15.34	82.69	7.5	33.59	8.2	24.8	2.68
F26	05 Feb 2016	25	15.33	83.01	7.4	33.59	8.2	24.8	2.42
F26	05 Feb 2016	26	15.32	83.46	7.3	33.59	8.2	24.8	2.18
F26	05 Feb 2016	27	15.31	83.52	7.3	33.59	8.2	24.8	1.97
F26	05 Feb 2016	28	15.29	83.75	7.2	33.59	8.2	24.8	1.80
F26	05 Feb 2016	29	15.25	83.66	7.2	33.58	8.2	24.8	1.58
F26	05 Feb 2016	30	15.19	83.12	7.0	33.58	8.2	24.8	1.40
F26	05 Feb 2016	31	15.12	81.90	7.0	33.57	8.1	24.8	1.33
F26	05 Feb 2016	32	15.10	81.09	7.0	33.57	8.1	24.8	1.18
F26	05 Feb 2016	33	15.08	80.62	6.9	33.57	8.1	24.9	1.01
F26	05 Feb 2016	34	15.01	79.84	6.8	33.57	8.1	24.9	0.93
F26	05 Feb 2016	35	14.99	79.50	6.8	33.56	8.1	24.9	0.93
F26	05 Feb 2016	36	14.97	79.47	6.8	33.56	8.1	24.9	0.91
F26	05 Feb 2016	37	14.96	79.40	6.8	33.56	8.1	24.9	0.91
F26	05 Feb 2016	38	14.96	79.31	6.8	33.56	8.1	24.9	0.91
F26	05 Feb 2016	39	14.95	79.26	6.7	33.56	8.1	24.9	0.88
F26	05 Feb 2016	40	14.94	79.09	6.7	33.56	8.1	24.9	0.81
F26	05 Feb 2016	41	14.88	79.11	6.5	33.56	8.1	24.9	0.79
F26	05 Feb 2016	42	14.78	79.79	6.4	33.55	8.1	24.9	0.76
F26	05 Feb 2016	43	14.69	80.22	6.4	33.55	8.1	24.9	0.75
F26	05 Feb 2016	44	14.58	80.25	6.4	33.55	8.1	24.9	0.70
F26	05 Feb 2016	45	14.56	80.22	6.2	33.54	8.1	24.9	0.64
F26	05 Feb 2016	46	14.41	80.33	6.2	33.54	8.1	25.0	0.60
F26	05 Feb 2016	47	14.26	80.96	6.1	33.53	8.1	25.0	0.53
F26	05 Feb 2016	48	14.17	80.99	6.0	33.52	8.1	25.0	0.48
F26	05 Feb 2016	49	14.04	81.00	5.9	33.51	8.1	25.0	0.44
F26	05 Feb 2016	50	13.84	81.47	5.8	33.51	8.1	25.1	0.40
F26	05 Feb 2016	51	13.64	82.78	5.7	33.50	8.0	25.1	0.38
F26	05 Feb 2016	52	13.54	83.37	5.7	33.49	8.0	25.1	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F26	05 Feb 2016	53	13.48	83.85	5.7	33.49	8.0	25.1	0.35
F26	05 Feb 2016	54	13.46	84.29	5.6	33.48	8.0	25.1	0.32
F26	05 Feb 2016	55	13.38	85.36	5.4	33.48	8.0	25.1	0.27
F26	05 Feb 2016	56	13.16	87.56	5.3	33.48	8.0	25.2	0.26
F26	05 Feb 2016	57	13.05	88.36	5.3	33.48	8.0	25.2	0.25
F26	05 Feb 2016	58	12.96	88.86	5.3	33.48	8.0	25.2	0.24
F26	05 Feb 2016	59	12.99	89.23	5.3	33.48	8.0	25.2	0.24
F26	05 Feb 2016	60	12.86	89.51	5.3	33.48	8.0	25.2	0.24
F26	05 Feb 2016	61	12.77	89.84	5.4	33.47	8.0	25.3	0.24
F26	05 Feb 2016	62	12.75	90.00	5.4	33.47	8.0	25.3	0.24
F26	05 Feb 2016	63	12.64	89.83	5.4	33.46	8.0	25.3	0.24
F26	05 Feb 2016	64	12.53	89.94	5.4	33.45	8.0	25.3	0.24
F26	05 Feb 2016	65	12.47	90.03	5.5	33.45	8.0	25.3	0.23
F26	05 Feb 2016	66	12.34	90.13	5.5	33.44	8.0	25.3	0.23
F26	05 Feb 2016	67	12.18	90.15	5.5	33.43	8.0	25.3	0.22
F26	05 Feb 2016	68	12.02	90.10	5.4	33.42	8.0	25.4	0.21
F26	05 Feb 2016	69	11.91	89.49	5.3	33.45	8.0	25.4	0.20
F26	05 Feb 2016	70	11.94	87.17	5.1	33.49	8.0	25.4	0.21
F26	05 Feb 2016	71	12.00	85.48	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	72	12.00	85.49	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	73	11.99	85.41	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	74	11.99	85.45	5.1	33.52	7.9	25.4	0.20
F26	05 Feb 2016	75	11.99	85.60	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	76	11.99	85.34	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	77	12.00	84.92	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	78	12.00	84.98	5.0	33.52	7.9	25.4	0.20
F26	05 Feb 2016	79	12.00	84.82	5.0	33.53	7.9	25.4	0.20
F26	05 Feb 2016	80	12.00	84.68	5.0	33.53	7.9	25.4	0.25
F26	05 Feb 2016	81	12.00	83.97	4.9	33.53	7.9	25.4	0.20
F26	05 Feb 2016	82	12.01	83.07	5.0	33.53	7.9	25.4	0.20
F26	05 Feb 2016	83	12.04	81.85	4.8	33.54	7.9	25.5	0.20
F26	05 Feb 2016	84	12.03	78.13	4.7	33.55	7.9	25.5	0.20
F26	05 Feb 2016	85	11.97	73.98	4.7	33.56	7.9	25.5	0.20
F26	05 Feb 2016	86	11.92	70.71	4.8	33.57	7.9	25.5	0.20
F26	05 Feb 2016	87	11.89	69.96	4.8	33.57	7.9	25.5	0.20
F26	05 Feb 2016	88	11.86	69.24	4.7	33.57	7.9	25.5	0.20
F26	05 Feb 2016	89	11.79	68.91	4.7	33.58	7.9	25.5	0.19
F26	05 Feb 2016	90	11.74	69.21	4.7	33.58	7.9	25.5	0.19
F26	05 Feb 2016	91	11.68	69.76	4.7	33.59	7.9	25.6	0.18
F26	05 Feb 2016	92	11.60	70.37	4.6	33.60	7.9	25.6	0.18
F26	05 Feb 2016	93	11.56	69.32	4.6	33.60	7.9	25.6	0.18
F26	05 Feb 2016	94	11.55	68.67	4.6	33.61	7.9	25.6	0.18
F26	05 Feb 2016	95	11.55	68.63	4.6	33.61	7.9	25.6	0.18
F26	05 Feb 2016	96	11.55	66.88	4.6	33.61	7.9	25.6	0.18
F26	05 Feb 2016	97	11.54	66.89	4.6	33.61	7.9	25.6	0.19
F26	05 Feb 2016	98	11.54	64.85	4.6	33.61	7.9	25.6	0.19
F26	05 Feb 2016	99	11.55	63.12	4.5	33.61	7.9	25.6	0.19
F27	05 Feb 2016	1	15.71	83.23	7.5	33.59	8.2	24.7	0.91
F27	05 Feb 2016	2	15.56	83.21	7.5	33.59	8.2	24.8	1.01
F27	05 Feb 2016	3	15.46	83.21	7.5	33.59	8.2	24.8	1.12
F27	05 Feb 2016	4	15.44	82.76	7.5	33.59	8.2	24.8	1.25
F27	05 Feb 2016	5	15.42	82.69	7.5	33.59	8.2	24.8	1.31
F27	05 Feb 2016	6	15.41	82.69	7.6	33.59	8.2	24.8	1.48
F27	05 Feb 2016	7	15.41	82.69	7.5	33.59	8.2	24.8	1.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F27	05 Feb 2016	8	15.40	82.70	7.5	33.59	8.2	24.8	1.90
F27	05 Feb 2016	9	15.39	82.69	7.5	33.59	8.2	24.8	2.04
F27	05 Feb 2016	10	15.39	82.65	7.5	33.59	8.2	24.8	2.17
F27	05 Feb 2016	11	15.39	82.60	7.5	33.59	8.2	24.8	2.27
F27	05 Feb 2016	12	15.39	82.71	7.5	33.59	8.2	24.8	2.34
F27	05 Feb 2016	13	15.38	82.93	7.4	33.59	8.2	24.8	2.38
F27	05 Feb 2016	14	15.38	83.14	7.4	33.59	8.2	24.8	2.39
F27	05 Feb 2016	15	15.38	83.45	7.5	33.59	8.2	24.8	2.40
F27	05 Feb 2016	16	15.37	83.57	7.5	33.59	8.2	24.8	2.40
F27	05 Feb 2016	17	15.37	83.55	7.5	33.59	8.2	24.8	2.35
F27	05 Feb 2016	18	15.37	83.61	7.4	33.59	8.2	24.8	2.27
F27	05 Feb 2016	19	15.37	83.79	7.4	33.59	8.2	24.8	2.26
F27	05 Feb 2016	20	15.36	84.03	7.5	33.59	8.2	24.8	2.20
F27	05 Feb 2016	21	15.36	84.03	7.4	33.59	8.2	24.8	2.04
F27	05 Feb 2016	22	15.35	84.14	7.3	33.59	8.2	24.8	1.92
F27	05 Feb 2016	23	15.34	84.30	7.3	33.59	8.2	24.8	1.84
F27	05 Feb 2016	24	15.32	84.30	7.2	33.59	8.2	24.8	1.63
F27	05 Feb 2016	25	15.27	84.07	7.0	33.58	8.2	24.8	1.36
F27	05 Feb 2016	26	15.13	83.00	6.9	33.57	8.1	24.8	1.17
F27	05 Feb 2016	27	15.05	80.93	6.8	33.57	8.1	24.9	1.05
F27	05 Feb 2016	28	15.01	79.35	6.8	33.57	8.1	24.9	1.00
F27	05 Feb 2016	29	15.00	79.00	6.8	33.56	8.1	24.9	0.99
F27	05 Feb 2016	30	15.00	79.22	6.8	33.56	8.1	24.9	0.93
F27	05 Feb 2016	31	14.99	79.50	6.8	33.56	8.1	24.9	0.89
F27	05 Feb 2016	32	14.97	79.57	6.8	33.56	8.1	24.9	0.88
F27	05 Feb 2016	33	14.96	79.57	6.8	33.56	8.1	24.9	0.88
F27	05 Feb 2016	34	14.96	79.44	6.8	33.56	8.1	24.9	0.87
F27	05 Feb 2016	35	14.95	79.30	6.8	33.56	8.1	24.9	0.86
F27	05 Feb 2016	36	14.94	79.40	6.7	33.56	8.1	24.9	0.86
F27	05 Feb 2016	37	14.92	79.21	6.7	33.56	8.1	24.9	0.84
F27	05 Feb 2016	38	14.91	79.10	6.7	33.56	8.1	24.9	0.81
F27	05 Feb 2016	39	14.89	79.00	6.7	33.56	8.1	24.9	0.80
F27	05 Feb 2016	40	14.88	78.98	6.7	33.56	8.1	24.9	0.77
F27	05 Feb 2016	41	14.85	79.00	6.6	33.56	8.1	24.9	0.74
F27	05 Feb 2016	42	14.82	79.04	6.6	33.56	8.1	24.9	0.74
F27	05 Feb 2016	43	14.80	79.09	6.5	33.55	8.1	24.9	0.71
F27	05 Feb 2016	44	14.77	79.32	6.3	33.55	8.1	24.9	0.68
F27	05 Feb 2016	45	14.67	79.45	6.3	33.54	8.1	24.9	0.65
F27	05 Feb 2016	46	14.47	79.65	6.2	33.54	8.1	25.0	0.62
F27	05 Feb 2016	47	14.37	79.74	6.1	33.54	8.1	25.0	0.58
F27	05 Feb 2016	48	14.22	79.68	6.0	33.53	8.1	25.0	0.54
F27	05 Feb 2016	49	14.13	79.99	5.9	33.52	8.1	25.0	0.46
F27	05 Feb 2016	50	13.99	80.53	5.8	33.51	8.1	25.0	0.40
F27	05 Feb 2016	51	13.67	81.01	5.6	33.50	8.0	25.1	0.37
F27	05 Feb 2016	52	13.47	82.47	5.6	33.49	8.0	25.1	0.34
F27	05 Feb 2016	53	13.38	83.05	5.5	33.49	8.0	25.1	0.31
F27	05 Feb 2016	54	13.20	83.70	5.5	33.48	8.0	25.2	0.31
F27	05 Feb 2016	55	13.13	84.10	5.5	33.48	8.0	25.2	0.28
F27	05 Feb 2016	56	13.01	85.14	5.4	33.47	8.0	25.2	0.26
F27	05 Feb 2016	57	12.86	86.12	5.4	33.47	8.0	25.2	0.24
F27	05 Feb 2016	58	12.69	87.89	5.4	33.47	8.0	25.3	0.24
F27	05 Feb 2016	59	12.60	89.14	5.3	33.47	8.0	25.3	0.23
F27	05 Feb 2016	60	12.55	89.35	5.3	33.46	8.0	25.3	0.23
F27	05 Feb 2016	61	12.53	89.48	5.3	33.46	8.0	25.3	0.23
F27	05 Feb 2016	62	12.52	89.60	5.3	33.46	8.0	25.3	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F27	05 Feb 2016	63	12.53	89.63	5.3	33.46	8.0	25.3	0.22
F27	05 Feb 2016	64	12.51	89.66	5.4	33.47	8.0	25.3	0.23
F27	05 Feb 2016	65	12.44	89.70	5.4	33.46	8.0	25.3	0.23
F27	05 Feb 2016	66	12.38	89.70	5.4	33.46	8.0	25.3	0.23
F27	05 Feb 2016	67	12.37	89.67	5.4	33.45	8.0	25.3	0.22
F27	05 Feb 2016	68	12.31	89.63	5.4	33.45	8.0	25.3	0.23
F27	05 Feb 2016	69	12.28	89.60	5.4	33.45	8.0	25.3	0.22
F27	05 Feb 2016	70	12.25	89.46	5.4	33.45	8.0	25.3	0.22
F27	05 Feb 2016	71	12.22	89.33	5.4	33.46	8.0	25.4	0.23
F27	05 Feb 2016	72	12.13	89.22	5.4	33.45	8.0	25.4	0.22
F27	05 Feb 2016	73	12.09	89.40	5.4	33.45	8.0	25.4	0.22
F27	05 Feb 2016	74	12.06	89.43	5.4	33.45	8.0	25.4	0.22
F27	05 Feb 2016	75	11.99	89.54	5.4	33.44	8.0	25.4	0.22
F27	05 Feb 2016	76	11.96	89.79	5.4	33.45	8.0	25.4	0.21
F27	05 Feb 2016	77	12.00	89.72	5.2	33.46	8.0	25.4	0.21
F27	05 Feb 2016	78	12.04	89.19	5.2	33.48	8.0	25.4	0.21
F27	05 Feb 2016	79	12.06	88.67	5.2	33.50	8.0	25.4	0.20
F27	05 Feb 2016	80	11.96	88.77	5.2	33.49	7.9	25.4	0.20
F27	05 Feb 2016	81	11.86	89.39	5.2	33.48	7.9	25.4	0.20
F27	05 Feb 2016	82	11.81	89.78	5.2	33.48	7.9	25.4	0.19
F27	05 Feb 2016	83	11.79	89.93	5.2	33.49	7.9	25.5	0.18
F27	05 Feb 2016	84	11.79	89.55	5.1	33.51	7.9	25.5	0.19
F27	05 Feb 2016	85	11.78	89.52	5.0	33.51	7.9	25.5	0.18
F27	05 Feb 2016	86	11.83	89.23	5.0	33.53	7.9	25.5	0.18
F27	05 Feb 2016	87	11.85	88.65	4.9	33.54	7.9	25.5	0.18
F27	05 Feb 2016	88	11.85	88.08	5.0	33.54	7.9	25.5	0.18
F27	05 Feb 2016	89	11.86	87.89	5.0	33.54	7.9	25.5	0.18
F27	05 Feb 2016	90	11.86	87.69	5.0	33.55	7.9	25.5	0.18
F27	05 Feb 2016	91	11.86	87.56	4.9	33.55	7.9	25.5	0.18
F27	05 Feb 2016	92	11.86	86.32	4.9	33.55	7.9	25.5	0.18
F27	05 Feb 2016	93	11.85	85.07	4.9	33.55	7.9	25.5	0.18
F27	05 Feb 2016	94	11.84	84.02	4.8	33.55	7.9	25.5	0.19
F27	05 Feb 2016	95	11.82	82.07	4.8	33.55	7.9	25.5	0.19
F27	05 Feb 2016	96	11.79	79.08	4.8	33.56	7.9	25.5	0.19
F27	05 Feb 2016	97	11.75	75.01	4.8	33.56	7.9	25.5	0.19
F27	05 Feb 2016	98	11.70	70.91	4.6	33.57	7.9	25.5	0.20
F27	05 Feb 2016	99	11.59	64.77	4.6	33.61	7.9	25.6	0.20
F28	05 Feb 2016	1	15.52	83.63	7.5	33.59	8.2	24.8	1.16
F28	05 Feb 2016	2	15.49	83.46	7.5	33.59	8.2	24.8	1.20
F28	05 Feb 2016	3	15.44	82.81	7.5	33.59	8.2	24.8	1.29
F28	05 Feb 2016	4	15.42	82.77	7.6	33.59	8.2	24.8	1.38
F28	05 Feb 2016	5	15.41	82.77	7.6	33.59	8.2	24.8	1.51
F28	05 Feb 2016	6	15.40	82.67	7.5	33.59	8.2	24.8	1.65
F28	05 Feb 2016	7	15.40	82.65	7.5	33.59	8.2	24.8	1.82
F28	05 Feb 2016	8	15.39	82.52	7.5	33.59	8.2	24.8	1.94
F28	05 Feb 2016	9	15.38	82.41	7.5	33.59	8.2	24.8	2.09
F28	05 Feb 2016	10	15.38	82.47	7.5	33.59	8.2	24.8	2.25
F28	05 Feb 2016	11	15.38	82.55	7.5	33.59	8.2	24.8	2.32
F28	05 Feb 2016	12	15.37	82.59	7.5	33.59	8.2	24.8	2.34
F28	05 Feb 2016	13	15.37	82.80	7.5	33.59	8.2	24.8	2.35
F28	05 Feb 2016	14	15.37	83.00	7.4	33.59	8.2	24.8	2.25
F28	05 Feb 2016	15	15.36	83.22	7.4	33.59	8.2	24.8	2.04
F28	05 Feb 2016	16	15.33	83.86	7.2	33.59	8.2	24.8	1.80
F28	05 Feb 2016	17	15.25	83.64	7.2	33.58	8.2	24.8	1.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	05 Feb 2016	18	15.23	83.45	7.1	33.58	8.2	24.8	1.60
F28	05 Feb 2016	19	15.18	83.22	7.0	33.57	8.1	24.8	1.36
F28	05 Feb 2016	20	15.13	82.82	6.8	33.57	8.1	24.8	1.10
F28	05 Feb 2016	21	14.96	80.75	6.8	33.57	8.1	24.9	1.00
F28	05 Feb 2016	22	14.94	79.00	6.7	33.56	8.1	24.9	0.94
F28	05 Feb 2016	23	14.93	79.25	6.7	33.56	8.1	24.9	0.88
F28	05 Feb 2016	24	14.92	79.59	6.7	33.56	8.1	24.9	0.85
F28	05 Feb 2016	25	14.88	79.56	6.7	33.56	8.1	24.9	0.83
F28	05 Feb 2016	26	14.86	79.35	6.7	33.56	8.1	24.9	0.81
F28	05 Feb 2016	27	14.84	79.49	6.7	33.56	8.1	24.9	0.80
F28	05 Feb 2016	28	14.84	79.37	6.6	33.56	8.1	24.9	0.78
F28	05 Feb 2016	29	14.83	79.27	6.6	33.56	8.1	24.9	0.76
F28	05 Feb 2016	30	14.83	79.40	6.6	33.56	8.1	24.9	0.72
F28	05 Feb 2016	31	14.78	79.37	6.5	33.55	8.1	24.9	0.68
F28	05 Feb 2016	32	14.72	79.47	6.4	33.55	8.1	24.9	0.67
F28	05 Feb 2016	33	14.68	79.64	6.4	33.54	8.1	24.9	0.68
F28	05 Feb 2016	34	14.64	79.70	6.4	33.54	8.1	24.9	0.67
F28	05 Feb 2016	35	14.59	79.84	6.3	33.54	8.1	24.9	0.66
F28	05 Feb 2016	36	14.51	79.95	6.3	33.54	8.1	25.0	0.65
F28	05 Feb 2016	37	14.45	80.12	6.1	33.54	8.1	25.0	0.61
F28	05 Feb 2016	38	14.30	79.93	6.1	33.53	8.1	25.0	0.61
F28	05 Feb 2016	39	14.23	79.94	6.1	33.53	8.1	25.0	0.58
F28	05 Feb 2016	40	14.19	80.10	6.0	33.53	8.1	25.0	0.56
F28	05 Feb 2016	41	14.13	80.10	6.0	33.52	8.1	25.0	0.54
F28	05 Feb 2016	42	14.07	80.20	6.0	33.52	8.1	25.0	0.53
F28	05 Feb 2016	43	14.02	80.31	5.8	33.52	8.0	25.0	0.48
F28	05 Feb 2016	44	13.92	80.25	5.6	33.52	8.0	25.1	0.42
F28	05 Feb 2016	45	13.65	80.44	5.5	33.51	8.0	25.1	0.36
F28	05 Feb 2016	46	13.31	81.73	5.4	33.49	8.0	25.2	0.33
F28	05 Feb 2016	47	13.12	82.86	5.4	33.47	8.0	25.2	0.30
F28	05 Feb 2016	48	13.00	83.51	5.4	33.46	8.0	25.2	0.29
F28	05 Feb 2016	49	12.89	84.60	5.4	33.46	8.0	25.2	0.28
F28	05 Feb 2016	50	12.81	85.67	5.3	33.46	8.0	25.2	0.26
F28	05 Feb 2016	51	12.69	86.23	5.3	33.45	8.0	25.3	0.25
F28	05 Feb 2016	52	12.65	86.68	5.3	33.46	8.0	25.3	0.24
F28	05 Feb 2016	53	12.57	88.04	5.3	33.46	8.0	25.3	0.24
F28	05 Feb 2016	54	12.54	89.38	5.3	33.47	8.0	25.3	0.23
F28	05 Feb 2016	55	12.46	89.72	5.3	33.47	8.0	25.3	0.23
F28	05 Feb 2016	56	12.43	89.88	5.3	33.47	8.0	25.3	0.23
F28	05 Feb 2016	57	12.36	89.66	5.3	33.46	8.0	25.3	0.23
F28	05 Feb 2016	58	12.31	89.88	5.4	33.45	8.0	25.3	0.23
F28	05 Feb 2016	59	12.26	89.89	5.4	33.45	8.0	25.3	0.23
F28	05 Feb 2016	60	12.22	89.99	5.4	33.44	8.0	25.3	0.23
F28	05 Feb 2016	61	12.18	89.87	5.4	33.44	8.0	25.3	0.24
F28	05 Feb 2016	62	12.16	90.11	5.4	33.44	8.0	25.3	0.24
F28	05 Feb 2016	63	12.14	90.09	5.4	33.43	8.0	25.3	0.24
F28	05 Feb 2016	64	12.13	90.14	5.5	33.43	8.0	25.3	0.24
F28	05 Feb 2016	65	12.13	90.15	5.5	33.43	8.0	25.3	0.24
F28	05 Feb 2016	66	12.12	90.11	5.5	33.43	8.0	25.3	0.24
F28	05 Feb 2016	67	12.09	89.98	5.5	33.43	8.0	25.4	0.23
F28	05 Feb 2016	68	12.07	90.13	5.4	33.43	8.0	25.4	0.23
F28	05 Feb 2016	69	12.08	90.03	5.5	33.44	8.0	25.4	0.23
F28	05 Feb 2016	70	12.08	90.07	5.4	33.44	8.0	25.4	0.23
F28	05 Feb 2016	71	12.08	90.03	5.4	33.44	8.0	25.4	0.23
F28	05 Feb 2016	72	12.08	89.99	5.4	33.44	8.0	25.4	0.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F28	05 Feb 2016	73	12.00	89.84	5.4	33.45	8.0	25.4	0.22
F28	05 Feb 2016	74	11.99	89.64	5.2	33.46	8.0	25.4	0.21
F28	05 Feb 2016	75	12.01	89.13	5.2	33.48	8.0	25.4	0.20
F28	05 Feb 2016	76	12.02	88.73	5.1	33.50	7.9	25.4	0.21
F28	05 Feb 2016	77	12.03	88.38	5.1	33.51	7.9	25.4	0.20
F28	05 Feb 2016	78	12.04	88.25	5.0	33.52	7.9	25.4	0.20
F28	05 Feb 2016	79	12.03	87.79	5.0	33.52	7.9	25.4	0.21
F28	05 Feb 2016	80	12.03	87.70	5.1	33.52	7.9	25.4	0.20
F28	05 Feb 2016	81	12.03	87.63	5.0	33.52	7.9	25.4	0.20
F28	05 Feb 2016	82	12.03	87.43	5.0	33.52	7.9	25.4	0.20
F28	05 Feb 2016	83	12.02	87.13	5.0	33.53	7.9	25.4	0.20
F28	05 Feb 2016	84	11.99	86.61	5.0	33.53	7.9	25.4	0.19
F28	05 Feb 2016	85	11.98	86.47	5.0	33.53	7.9	25.4	0.20
F28	05 Feb 2016	86	11.98	86.22	5.0	33.53	7.9	25.5	0.20
F28	05 Feb 2016	87	11.98	85.72	5.0	33.53	7.9	25.5	0.20
F28	05 Feb 2016	88	11.98	84.99	5.0	33.53	7.9	25.5	0.20
F28	05 Feb 2016	89	11.98	83.62	4.9	33.53	7.9	25.5	0.20
F28	05 Feb 2016	90	11.98	82.03	4.9	33.54	7.9	25.5	0.21
F28	05 Feb 2016	91	11.95	73.13	4.8	33.55	7.9	25.5	0.21
F28	05 Feb 2016	92	11.93	65.95	4.8	33.55	7.9	25.5	0.21
F28	05 Feb 2016	93	11.88	63.65	4.8	33.56	7.9	25.5	0.21
F28	05 Feb 2016	94	11.85	66.16	4.8	33.56	7.9	25.5	0.20
F28	05 Feb 2016	95	11.84	66.58	4.8	33.56	7.9	25.5	0.20
F28	05 Feb 2016	96	11.79	65.14	4.7	33.57	7.9	25.5	0.21
F28	05 Feb 2016	97	11.77	62.84	4.7	33.57	7.9	25.5	0.22
F28	05 Feb 2016	98	11.71	54.43	4.6	33.58	7.9	25.5	0.24
F28	05 Feb 2016	99	11.64	38.92	4.6	33.59	7.9	25.6	0.24
F28	05 Feb 2016	100	11.62	32.79	4.6	33.60	7.9	25.6	0.24
F29	05 Feb 2016	1	15.56	82.87	7.5	33.59	8.2	24.8	1.17
F29	05 Feb 2016	2	15.45	82.92	7.5	33.59	8.2	24.8	1.42
F29	05 Feb 2016	3	15.40	82.38	7.5	33.59	8.2	24.8	1.57
F29	05 Feb 2016	4	15.38	81.83	7.5	33.59	8.2	24.8	1.66
F29	05 Feb 2016	5	15.37	81.67	7.5	33.59	8.2	24.8	1.75
F29	05 Feb 2016	6	15.37	81.57	7.5	33.59	8.2	24.8	1.84
F29	05 Feb 2016	7	15.36	81.57	7.5	33.59	8.2	24.8	2.01
F29	05 Feb 2016	8	15.35	81.47	7.5	33.59	8.2	24.8	2.13
F29	05 Feb 2016	9	15.35	81.38	7.5	33.59	8.2	24.8	2.32
F29	05 Feb 2016	10	15.34	81.25	7.5	33.59	8.2	24.8	2.57
F29	05 Feb 2016	11	15.33	80.88	7.6	33.59	8.2	24.8	2.72
F29	05 Feb 2016	12	15.32	80.56	7.5	33.59	8.2	24.8	2.86
F29	05 Feb 2016	13	15.31	80.43	7.5	33.59	8.2	24.8	3.04
F29	05 Feb 2016	14	15.30	80.21	7.6	33.59	8.2	24.8	3.18
F29	05 Feb 2016	15	15.29	80.18	7.5	33.59	8.2	24.8	3.28
F29	05 Feb 2016	16	15.29	80.37	7.5	33.59	8.2	24.8	3.33
F29	05 Feb 2016	17	15.29	80.49	7.5	33.59	8.2	24.8	3.41
F29	05 Feb 2016	18	15.28	80.63	7.4	33.59	8.2	24.8	3.42
F29	05 Feb 2016	19	15.28	80.89	7.4	33.59	8.2	24.8	3.42
F29	05 Feb 2016	20	15.28	80.94	7.4	33.59	8.2	24.8	3.39
F29	05 Feb 2016	21	15.28	81.01	7.5	33.59	8.2	24.8	3.35
F29	05 Feb 2016	22	15.28	81.16	7.5	33.59	8.2	24.8	3.28
F29	05 Feb 2016	23	15.28	81.37	7.4	33.59	8.2	24.8	3.08
F29	05 Feb 2016	24	15.27	81.82	7.5	33.59	8.2	24.8	2.88
F29	05 Feb 2016	25	15.27	82.04	7.5	33.59	8.2	24.8	2.73
F29	05 Feb 2016	26	15.26	82.55	7.4	33.59	8.2	24.8	2.50

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F29	05 Feb 2016	27	15.26	82.81	7.4	33.58	8.2	24.8	2.45
F29	05 Feb 2016	28	15.25	83.18	7.4	33.58	8.2	24.8	2.36
F29	05 Feb 2016	29	15.25	83.16	7.3	33.58	8.2	24.8	1.94
F29	05 Feb 2016	30	15.23	83.32	7.0	33.58	8.2	24.8	1.43
F29	05 Feb 2016	31	15.03	83.20	6.7	33.57	8.1	24.9	1.11
F29	05 Feb 2016	32	14.90	81.81	6.6	33.56	8.1	24.9	0.94
F29	05 Feb 2016	33	14.83	80.58	6.6	33.55	8.1	24.9	0.85
F29	05 Feb 2016	34	14.79	79.65	6.6	33.55	8.1	24.9	0.80
F29	05 Feb 2016	35	14.78	79.71	6.6	33.55	8.1	24.9	0.76
F29	05 Feb 2016	36	14.76	79.73	6.6	33.55	8.1	24.9	0.73
F29	05 Feb 2016	37	14.76	79.70	6.5	33.55	8.1	24.9	0.72
F29	05 Feb 2016	38	14.75	79.75	6.5	33.55	8.1	24.9	0.71
F29	05 Feb 2016	39	14.73	79.65	6.5	33.55	8.1	24.9	0.69
F29	05 Feb 2016	40	14.72	79.61	6.4	33.55	8.1	24.9	0.68
F29	05 Feb 2016	41	14.69	79.68	6.4	33.55	8.1	24.9	0.67
F29	05 Feb 2016	42	14.67	79.69	6.4	33.55	8.1	24.9	0.66
F29	05 Feb 2016	43	14.64	79.79	6.3	33.54	8.1	24.9	0.64
F29	05 Feb 2016	44	14.58	79.78	6.3	33.54	8.1	24.9	0.63
F29	05 Feb 2016	45	14.54	79.81	6.3	33.54	8.1	24.9	0.62
F29	05 Feb 2016	46	14.51	79.74	6.2	33.54	8.1	24.9	0.60
F29	05 Feb 2016	47	14.43	79.71	6.1	33.53	8.1	25.0	0.59
F29	05 Feb 2016	48	14.28	79.86	6.1	33.53	8.1	25.0	0.56
F29	05 Feb 2016	49	14.21	79.98	6.0	33.53	8.1	25.0	0.54
F29	05 Feb 2016	50	14.11	80.09	5.9	33.52	8.1	25.0	0.51
F29	05 Feb 2016	51	14.00	80.24	5.9	33.52	8.0	25.0	0.51
F29	05 Feb 2016	52	13.87	80.70	5.8	33.51	8.0	25.1	0.48
F29	05 Feb 2016	53	13.80	80.86	5.7	33.51	8.0	25.1	0.43
F29	05 Feb 2016	54	13.76	80.91	5.5	33.51	8.0	25.1	0.37
F29	05 Feb 2016	55	13.42	81.17	5.3	33.49	8.0	25.1	0.32
F29	05 Feb 2016	56	12.90	81.00	5.2	33.44	8.0	25.2	0.28
F29	05 Feb 2016	57	12.62	80.48	5.1	33.40	8.0	25.2	0.25
F29	05 Feb 2016	58	12.50	79.96	5.0	33.38	8.0	25.2	0.24
F29	05 Feb 2016	59	12.39	79.31	5.0	33.37	8.0	25.3	0.24
F29	05 Feb 2016	60	12.30	79.06	5.2	33.37	7.9	25.3	0.23
F29	05 Feb 2016	61	12.29	81.24	5.3	33.38	7.9	25.3	0.23
F29	05 Feb 2016	62	12.30	84.04	5.3	33.40	8.0	25.3	0.23
F29	05 Feb 2016	63	12.30	85.74	5.4	33.40	8.0	25.3	0.24
F29	05 Feb 2016	64	12.30	86.15	5.4	33.41	8.0	25.3	0.23
F29	05 Feb 2016	65	12.31	87.13	5.4	33.42	8.0	25.3	0.24
F29	05 Feb 2016	66	12.29	89.34	5.5	33.43	8.0	25.3	0.23
F29	05 Feb 2016	67	12.28	89.58	5.5	33.44	8.0	25.3	0.22
F29	05 Feb 2016	68	12.23	89.50	5.4	33.44	8.0	25.3	0.22
F29	05 Feb 2016	69	12.15	89.38	5.5	33.43	8.0	25.3	0.22
F29	05 Feb 2016	70	12.14	89.31	5.4	33.43	8.0	25.3	0.22
F29	05 Feb 2016	71	12.14	89.20	5.3	33.43	8.0	25.3	0.21
F29	05 Feb 2016	72	12.08	88.34	5.3	33.43	8.0	25.4	0.21
F29	05 Feb 2016	73	12.02	87.61	5.3	33.42	8.0	25.4	0.22
F29	05 Feb 2016	74	11.97	87.69	5.4	33.42	8.0	25.4	0.22
F29	05 Feb 2016	75	11.94	88.96	5.5	33.41	8.0	25.4	0.22
F29	05 Feb 2016	76	11.94	89.15	5.4	33.41	8.0	25.4	0.22
F29	05 Feb 2016	77	11.90	89.23	5.5	33.41	8.0	25.4	0.23
F29	05 Feb 2016	78	11.88	89.35	5.5	33.42	8.0	25.4	0.22
F29	05 Feb 2016	79	11.86	89.60	5.5	33.42	8.0	25.4	0.22
F29	05 Feb 2016	80	11.83	89.78	5.5	33.42	8.0	25.4	0.21
F29	05 Feb 2016	81	11.85	89.66	5.4	33.43	8.0	25.4	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	05 Feb 2016	82	11.84	89.54	5.4	33.43	8.0	25.4	0.21
F29	05 Feb 2016	83	11.81	89.60	5.4	33.44	8.0	25.4	0.21
F29	05 Feb 2016	84	11.82	89.66	5.2	33.45	8.0	25.4	0.20
F29	05 Feb 2016	85	11.86	89.22	5.1	33.49	7.9	25.4	0.19
F29	05 Feb 2016	86	11.86	88.88	5.1	33.50	7.9	25.5	0.19
F29	05 Feb 2016	87	11.85	87.99	5.1	33.51	7.9	25.5	0.19
F29	05 Feb 2016	88	11.85	87.42	5.1	33.51	7.9	25.5	0.20
F29	05 Feb 2016	89	11.83	81.18	5.0	33.51	7.9	25.5	0.21
F29	05 Feb 2016	90	11.76	59.48	4.9	33.54	7.9	25.5	0.21
F29	05 Feb 2016	91	11.73	54.93	4.8	33.55	7.9	25.5	0.21
F29	05 Feb 2016	92	11.70	51.40	4.7	33.56	7.9	25.5	0.21
F29	05 Feb 2016	93	11.67	49.97	4.7	33.57	7.9	25.5	0.22
F29	05 Feb 2016	94	11.64	50.12	4.7	33.57	7.9	25.5	0.20
F29	05 Feb 2016	95	11.63	49.95	4.7	33.58	7.9	25.6	0.20
F29	05 Feb 2016	96	11.59	50.77	4.6	33.58	7.9	25.6	0.20
F29	05 Feb 2016	97	11.55	53.16	4.6	33.59	7.9	25.6	0.20
F29	05 Feb 2016	98	11.48	54.51	4.6	33.60	7.9	25.6	0.20
F29	05 Feb 2016	99	11.51	46.84	4.6	33.60	7.9	25.6	0.22
F30	05 Feb 2016	1	15.40	81.76	7.6	33.59	8.2	24.8	1.27
F30	05 Feb 2016	2	15.37	81.45	7.6	33.59	8.2	24.8	1.41
F30	05 Feb 2016	3	15.34	81.00	7.6	33.59	8.2	24.8	1.53
F30	05 Feb 2016	4	15.33	80.83	7.6	33.59	8.2	24.8	1.69
F30	05 Feb 2016	5	15.32	80.86	7.6	33.59	8.2	24.8	1.94
F30	05 Feb 2016	6	15.31	80.80	7.6	33.59	8.2	24.8	2.12
F30	05 Feb 2016	7	15.30	80.83	7.5	33.59	8.2	24.8	2.33
F30	05 Feb 2016	8	15.30	80.82	7.5	33.59	8.2	24.8	2.64
F30	05 Feb 2016	9	15.29	80.76	7.4	33.59	8.2	24.8	2.87
F30	05 Feb 2016	10	15.28	80.85	7.4	33.59	8.2	24.8	2.96
F30	05 Feb 2016	11	15.28	80.89	7.4	33.59	8.2	24.8	2.99
F30	05 Feb 2016	12	15.26	81.05	7.4	33.59	8.2	24.8	3.05
F30	05 Feb 2016	13	15.25	81.30	7.5	33.59	8.2	24.8	3.10
F30	05 Feb 2016	14	15.24	81.58	7.5	33.59	8.2	24.8	3.09
F30	05 Feb 2016	15	15.24	81.63	7.5	33.59	8.2	24.8	3.10
F30	05 Feb 2016	16	15.24	81.79	7.5	33.59	8.2	24.8	3.11
F30	05 Feb 2016	17	15.23	81.79	7.4	33.59	8.2	24.8	3.06
F30	05 Feb 2016	18	15.22	81.71	7.5	33.59	8.2	24.8	3.06
F30	05 Feb 2016	19	15.22	81.52	7.4	33.58	8.2	24.8	3.02
F30	05 Feb 2016	20	15.21	81.32	7.4	33.58	8.2	24.8	3.01
F30	05 Feb 2016	21	15.21	81.46	7.4	33.58	8.2	24.8	2.95
F30	05 Feb 2016	22	15.20	81.49	7.4	33.58	8.2	24.8	2.92
F30	05 Feb 2016	23	15.19	81.51	7.4	33.58	8.2	24.8	2.89
F30	05 Feb 2016	24	15.19	81.70	7.4	33.58	8.2	24.8	2.83
F30	05 Feb 2016	25	15.19	81.95	7.3	33.58	8.2	24.8	2.80
F30	05 Feb 2016	26	15.19	82.11	7.4	33.58	8.2	24.8	2.78
F30	05 Feb 2016	27	15.19	82.18	7.4	33.58	8.2	24.8	2.72
F30	05 Feb 2016	28	15.19	82.22	7.4	33.58	8.2	24.8	2.65
F30	05 Feb 2016	29	15.19	82.38	7.4	33.58	8.2	24.8	2.61
F30	05 Feb 2016	30	15.19	82.57	7.4	33.58	8.2	24.8	2.57
F30	05 Feb 2016	31	15.19	82.66	7.4	33.58	8.2	24.8	2.50
F30	05 Feb 2016	32	15.19	82.73	7.4	33.58	8.2	24.8	2.50
F30	05 Feb 2016	33	15.19	82.86	7.4	33.58	8.2	24.8	2.49
F30	05 Feb 2016	34	15.19	82.91	7.4	33.58	8.2	24.8	2.40
F30	05 Feb 2016	35	15.19	82.93	7.3	33.58	8.2	24.8	2.03
F30	05 Feb 2016	36	15.16	83.08	7.0	33.58	8.2	24.8	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	05 Feb 2016	37	14.96	83.04	6.8	33.57	8.1	24.9	1.22
F30	05 Feb 2016	38	14.87	82.36	6.6	33.56	8.1	24.9	0.88
F30	05 Feb 2016	39	14.71	81.73	6.5	33.55	8.1	24.9	0.76
F30	05 Feb 2016	40	14.65	80.27	6.5	33.54	8.1	24.9	0.71
F30	05 Feb 2016	41	14.65	80.17	6.4	33.54	8.1	24.9	0.69
F30	05 Feb 2016	42	14.64	80.03	6.4	33.54	8.1	24.9	0.67
F30	05 Feb 2016	43	14.63	79.79	6.4	33.54	8.1	24.9	0.65
F30	05 Feb 2016	44	14.61	79.89	6.3	33.54	8.1	24.9	0.61
F30	05 Feb 2016	45	14.57	79.80	6.2	33.54	8.1	24.9	0.60
F30	05 Feb 2016	46	14.47	79.80	6.2	33.53	8.1	25.0	0.57
F30	05 Feb 2016	47	14.34	79.94	6.1	33.53	8.1	25.0	0.52
F30	05 Feb 2016	48	14.14	80.25	6.0	33.52	8.1	25.0	0.50
F30	05 Feb 2016	49	13.95	80.52	5.9	33.51	8.1	25.0	0.48
F30	05 Feb 2016	50	13.92	80.54	5.8	33.51	8.0	25.1	0.45
F30	05 Feb 2016	51	13.82	80.60	5.7	33.51	8.0	25.1	0.42
F30	05 Feb 2016	52	13.56	81.62	5.7	33.49	8.0	25.1	0.38
F30	05 Feb 2016	53	13.40	82.61	5.7	33.48	8.0	25.1	0.37
F30	05 Feb 2016	54	13.32	83.47	5.7	33.47	8.0	25.1	0.35
F30	05 Feb 2016	55	13.30	83.57	5.6	33.47	8.0	25.1	0.35
F30	05 Feb 2016	56	13.26	83.79	5.7	33.47	8.0	25.2	0.34
F30	05 Feb 2016	57	13.24	83.85	5.7	33.47	8.0	25.2	0.32
F30	05 Feb 2016	58	13.18	84.33	5.6	33.46	8.0	25.2	0.32
F30	05 Feb 2016	59	13.13	84.81	5.4	33.45	8.0	25.2	0.28
F30	05 Feb 2016	60	12.86	84.92	5.2	33.44	8.0	25.2	0.24
F30	05 Feb 2016	61	12.43	83.38	5.1	33.40	8.0	25.3	0.22
F30	05 Feb 2016	62	12.21	81.36	5.0	33.36	8.0	25.3	0.22
F30	05 Feb 2016	63	12.16	80.40	5.0	33.36	7.9	25.3	0.22
F30	05 Feb 2016	64	12.17	80.21	5.0	33.36	7.9	25.3	0.21
F30	05 Feb 2016	65	12.13	79.37	5.0	33.35	7.9	25.3	0.20
F30	05 Feb 2016	66	12.04	77.89	5.0	33.35	7.9	25.3	0.20
F30	05 Feb 2016	67	12.02	78.27	5.0	33.34	7.9	25.3	0.19
F30	05 Feb 2016	68	12.01	77.78	4.9	33.34	7.9	25.3	0.20
F30	05 Feb 2016	69	11.96	76.77	4.9	33.34	7.9	25.3	0.20
F30	05 Feb 2016	70	11.93	76.23	4.9	33.34	7.9	25.3	0.20
F30	05 Feb 2016	71	11.92	75.97	4.9	33.34	7.9	25.3	0.19
F30	05 Feb 2016	72	11.90	75.88	4.8	33.33	7.9	25.3	0.20
F30	05 Feb 2016	73	11.87	75.21	4.8	33.33	7.9	25.3	0.20
F30	05 Feb 2016	74	11.85	75.23	4.8	33.33	7.9	25.3	0.21
F30	05 Feb 2016	75	11.79	70.28	4.7	33.32	7.9	25.3	0.21
F30	05 Feb 2016	76	11.77	67.01	4.7	33.31	7.9	25.3	0.21
F30	05 Feb 2016	77	11.76	66.19	4.7	33.31	7.9	25.3	0.21
F30	05 Feb 2016	78	11.75	65.05	4.7	33.31	7.9	25.3	0.20
F30	05 Feb 2016	79	11.75	64.51	4.7	33.31	7.9	25.3	0.21
F30	05 Feb 2016	80	11.75	64.23	4.7	33.32	7.9	25.3	0.21
F30	05 Feb 2016	81	11.74	63.66	4.7	33.32	7.9	25.3	0.21
F30	05 Feb 2016	82	11.73	62.55	4.7	33.32	7.9	25.3	0.21
F30	05 Feb 2016	83	11.71	61.78	4.7	33.33	7.9	25.3	0.21
F30	05 Feb 2016	84	11.72	62.09	4.7	33.34	7.9	25.4	0.21
F30	05 Feb 2016	85	11.73	63.94	4.7	33.35	7.9	25.4	0.20
F30	05 Feb 2016	86	11.73	63.85	4.7	33.36	7.9	25.4	0.21
F30	05 Feb 2016	87	11.74	65.08	4.7	33.36	7.9	25.4	0.20
F30	05 Feb 2016	88	11.73	64.66	4.7	33.37	7.9	25.4	0.20
F30	05 Feb 2016	89	11.74	66.16	4.8	33.38	7.9	25.4	0.20
F30	05 Feb 2016	90	11.74	69.19	4.7	33.41	7.9	25.4	0.21
F30	05 Feb 2016	91	11.68	63.95	4.7	33.44	7.9	25.4	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F30	05 Feb 2016	92	11.67	57.65	4.6	33.44	7.9	25.4	0.19
F30	05 Feb 2016	93	11.58	58.63	4.6	33.50	7.9	25.5	0.20
F30	05 Feb 2016	94	11.57	60.37	4.6	33.51	7.9	25.5	0.20
F30	05 Feb 2016	95	11.55	59.48	4.5	33.54	7.9	25.5	0.20
F30	05 Feb 2016	96	11.46	51.18	4.3	33.61	7.9	25.6	0.20
F30	05 Feb 2016	97	11.36	45.61	4.2	33.65	7.9	25.7	0.20
F30	05 Feb 2016	98	11.30	43.26	4.2	33.68	7.9	25.7	0.20
F30	05 Feb 2016	99	11.29	42.49	4.2	33.68	7.9	25.7	0.19
F31	05 Feb 2016	1	15.35	82.95	7.5	33.59	8.2	24.8	1.15
F31	05 Feb 2016	2	15.35	82.97	7.5	33.59	8.2	24.8	1.21
F31	05 Feb 2016	3	15.33	83.21	7.5	33.59	8.2	24.8	1.28
F31	05 Feb 2016	4	15.31	83.21	7.5	33.59	8.2	24.8	1.46
F31	05 Feb 2016	5	15.29	82.85	7.4	33.59	8.2	24.8	1.62
F31	05 Feb 2016	6	15.26	82.51	7.5	33.59	8.2	24.8	1.74
F31	05 Feb 2016	7	15.26	82.60	7.4	33.59	8.2	24.8	1.90
F31	05 Feb 2016	8	15.25	82.63	7.4	33.59	8.2	24.8	2.05
F31	05 Feb 2016	9	15.25	82.62	7.4	33.59	8.2	24.8	2.18
F31	05 Feb 2016	10	15.25	82.72	7.4	33.59	8.2	24.8	2.31
F31	05 Feb 2016	11	15.25	82.76	7.3	33.59	8.2	24.8	2.41
F31	05 Feb 2016	12	15.24	82.82	7.3	33.59	8.2	24.8	2.48
F31	05 Feb 2016	13	15.24	82.93	7.4	33.59	8.2	24.8	2.53
F31	05 Feb 2016	14	15.24	83.10	7.4	33.59	8.2	24.8	2.59
F31	05 Feb 2016	15	15.24	83.12	7.4	33.59	8.2	24.8	2.63
F31	05 Feb 2016	16	15.24	83.24	7.4	33.59	8.2	24.8	2.62
F31	05 Feb 2016	17	15.24	83.11	7.4	33.59	8.2	24.8	2.60
F31	05 Feb 2016	18	15.24	83.22	7.4	33.59	8.2	24.8	2.63
F31	05 Feb 2016	19	15.24	83.45	7.4	33.59	8.2	24.8	2.63
F31	05 Feb 2016	20	15.24	83.50	7.3	33.59	8.2	24.8	2.60
F31	05 Feb 2016	21	15.24	83.50	7.4	33.59	8.2	24.8	2.56
F31	05 Feb 2016	22	15.24	83.49	7.4	33.59	8.2	24.8	2.57
F31	05 Feb 2016	23	15.24	83.66	7.4	33.59	8.2	24.8	2.54
F31	05 Feb 2016	24	15.24	83.64	7.3	33.59	8.2	24.8	2.50
F31	05 Feb 2016	25	15.23	83.73	7.4	33.59	8.2	24.8	2.42
F31	05 Feb 2016	26	15.23	83.77	7.4	33.59	8.2	24.8	2.38
F31	05 Feb 2016	27	15.23	83.80	7.4	33.59	8.2	24.8	2.31
F31	05 Feb 2016	28	15.23	83.91	7.4	33.59	8.2	24.8	2.12
F31	05 Feb 2016	29	15.22	83.97	7.3	33.58	8.2	24.8	1.85
F31	05 Feb 2016	30	15.20	84.20	7.1	33.58	8.2	24.8	1.58
F31	05 Feb 2016	31	15.15	84.45	7.0	33.58	8.2	24.8	1.33
F31	05 Feb 2016	32	15.02	84.18	6.8	33.57	8.1	24.9	1.08
F31	05 Feb 2016	33	14.94	83.67	6.5	33.56	8.1	24.9	0.85
F31	05 Feb 2016	34	14.75	82.77	6.3	33.55	8.1	24.9	0.72
F31	05 Feb 2016	35	14.58	80.90	6.3	33.54	8.1	24.9	0.68
F31	05 Feb 2016	36	14.54	80.13	6.3	33.54	8.1	24.9	0.66
F31	05 Feb 2016	37	14.54	80.08	6.3	33.54	8.1	24.9	0.64
F31	05 Feb 2016	38	14.53	80.03	6.3	33.54	8.1	24.9	0.61
F31	05 Feb 2016	39	14.51	80.05	6.2	33.54	8.1	24.9	0.57
F31	05 Feb 2016	40	14.46	79.94	6.2	33.53	8.1	25.0	0.56
F31	05 Feb 2016	41	14.28	80.01	6.1	33.53	8.1	25.0	0.55
F31	05 Feb 2016	42	14.21	80.17	6.1	33.52	8.1	25.0	0.52
F31	05 Feb 2016	43	14.17	80.13	6.0	33.52	8.1	25.0	0.50
F31	05 Feb 2016	44	14.12	80.26	5.9	33.52	8.1	25.0	0.47
F31	05 Feb 2016	45	13.99	80.60	5.8	33.51	8.1	25.0	0.42
F31	05 Feb 2016	46	13.84	81.54	5.8	33.49	8.0	25.1	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F31	05 Feb 2016	47	13.65	83.02	5.7	33.48	8.0	25.1	0.37
F31	05 Feb 2016	48	13.48	84.16	5.7	33.47	8.0	25.1	0.36
F31	05 Feb 2016	49	13.32	84.10	5.7	33.46	8.0	25.1	0.36
F31	05 Feb 2016	50	13.30	83.45	5.6	33.47	8.0	25.1	0.35
F31	05 Feb 2016	51	13.31	82.92	5.6	33.48	8.0	25.2	0.36
F31	05 Feb 2016	52	13.30	82.65	5.6	33.48	8.0	25.2	0.35
F31	05 Feb 2016	53	13.26	82.67	5.5	33.48	8.0	25.2	0.34
F31	05 Feb 2016	54	13.21	83.11	5.6	33.47	8.0	25.2	0.32
F31	05 Feb 2016	55	13.19	83.45	5.6	33.47	8.0	25.2	0.32
F31	05 Feb 2016	56	13.14	83.88	5.5	33.47	8.0	25.2	0.31
F31	05 Feb 2016	57	13.09	84.07	5.5	33.46	8.0	25.2	0.31
F31	05 Feb 2016	58	13.02	84.58	5.5	33.45	8.0	25.2	0.30
F31	05 Feb 2016	59	12.97	84.90	5.5	33.45	8.0	25.2	0.27
F31	05 Feb 2016	60	12.87	85.82	5.5	33.44	8.0	25.2	0.25
F31	05 Feb 2016	61	12.80	86.94	5.4	33.43	8.0	25.2	0.23
F31	05 Feb 2016	62	12.71	88.28	5.3	33.43	8.0	25.2	0.21
F31	05 Feb 2016	63	12.65	88.32	5.2	33.43	8.0	25.2	0.19
F31	05 Feb 2016	64	12.47	88.17	5.2	33.41	8.0	25.3	0.19
F31	05 Feb 2016	65	12.36	87.94	5.2	33.39	8.0	25.3	0.19
F31	05 Feb 2016	66	12.30	87.53	5.2	33.39	8.0	25.3	0.18
F31	05 Feb 2016	67	12.24	86.90	5.2	33.40	8.0	25.3	0.18
F31	05 Feb 2016	68	12.19	86.33	5.2	33.41	8.0	25.3	0.18
F31	05 Feb 2016	69	12.19	86.08	5.2	33.42	8.0	25.3	0.20
F31	05 Feb 2016	70	12.19	86.40	5.2	33.42	8.0	25.3	0.21
F31	05 Feb 2016	71	12.18	86.09	5.2	33.42	8.0	25.3	0.22
F31	05 Feb 2016	72	12.18	84.40	5.2	33.43	8.0	25.3	0.23
F31	05 Feb 2016	73	12.21	79.94	5.2	33.45	8.0	25.3	0.23
F31	05 Feb 2016	74	12.20	77.18	5.2	33.46	8.0	25.4	0.22
F31	05 Feb 2016	75	12.15	75.16	5.1	33.46	7.9	25.4	0.22
F31	05 Feb 2016	76	12.13	72.63	5.1	33.46	7.9	25.4	0.21
F31	05 Feb 2016	77	12.13	73.11	5.1	33.46	7.9	25.4	0.20
F31	05 Feb 2016	78	12.09	76.19	5.2	33.46	7.9	25.4	0.19
F31	05 Feb 2016	79	12.02	80.44	5.2	33.45	7.9	25.4	0.18
F31	05 Feb 2016	80	11.97	84.59	5.2	33.45	7.9	25.4	0.17
F31	05 Feb 2016	81	11.91	86.66	5.2	33.45	7.9	25.4	0.17
F31	05 Feb 2016	82	11.88	87.32	5.2	33.45	7.9	25.4	0.18
F31	05 Feb 2016	83	11.88	87.44	5.2	33.45	7.9	25.4	0.17
F31	05 Feb 2016	84	11.85	87.24	5.2	33.45	7.9	25.4	0.18
F31	05 Feb 2016	85	11.84	87.46	5.2	33.46	7.9	25.4	0.17
F31	05 Feb 2016	86	11.83	87.33	5.2	33.46	7.9	25.4	0.18
F31	05 Feb 2016	87	11.83	85.70	5.2	33.47	7.9	25.4	0.19
F31	05 Feb 2016	88	11.83	85.15	5.2	33.47	7.9	25.4	0.19
F31	05 Feb 2016	89	11.83	84.55	5.1	33.47	7.9	25.4	0.18
F31	05 Feb 2016	90	11.83	83.48	5.1	33.48	7.9	25.4	0.19
F31	05 Feb 2016	91	11.83	82.31	5.1	33.48	7.9	25.4	0.19
F31	05 Feb 2016	92	11.83	81.66	5.1	33.48	7.9	25.4	0.19
F31	05 Feb 2016	93	11.82	80.07	5.0	33.48	7.9	25.4	0.20
F31	05 Feb 2016	94	11.81	78.50	4.8	33.49	7.9	25.4	0.23
F31	05 Feb 2016	95	11.72	65.46	4.6	33.52	7.9	25.5	0.24
F31	05 Feb 2016	96	11.62	40.52	4.5	33.57	7.9	25.5	0.25
F31	05 Feb 2016	97	11.59	33.23	4.5	33.58	7.9	25.6	0.25
F31	05 Feb 2016	98	11.58	34.54	4.4	33.58	7.9	25.6	0.27
F31	05 Feb 2016	99	11.52	27.73	4.4	33.61	7.9	25.6	0.27
F32	05 Feb 2016	1	15.39	83.85	7.4	33.59	8.2	24.8	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	05 Feb 2016	2	15.36	83.58	7.5	33.59	8.2	24.8	1.31
F32	05 Feb 2016	3	15.32	83.19	7.5	33.59	8.2	24.8	1.42
F32	05 Feb 2016	4	15.31	82.92	7.5	33.59	8.2	24.8	1.53
F32	05 Feb 2016	5	15.31	82.86	7.5	33.59	8.2	24.8	1.65
F32	05 Feb 2016	6	15.31	82.79	7.5	33.59	8.2	24.8	1.78
F32	05 Feb 2016	7	15.30	82.78	7.4	33.59	8.2	24.8	1.97
F32	05 Feb 2016	8	15.29	82.85	7.4	33.59	8.2	24.8	2.11
F32	05 Feb 2016	9	15.29	82.90	7.4	33.59	8.2	24.8	2.22
F32	05 Feb 2016	10	15.29	82.90	7.4	33.59	8.2	24.8	2.33
F32	05 Feb 2016	11	15.29	82.97	7.4	33.59	8.2	24.8	2.41
F32	05 Feb 2016	12	15.29	82.99	7.4	33.59	8.2	24.8	2.49
F32	05 Feb 2016	13	15.28	82.99	7.3	33.59	8.2	24.8	2.56
F32	05 Feb 2016	14	15.28	83.12	7.4	33.59	8.2	24.8	2.60
F32	05 Feb 2016	15	15.28	83.27	7.4	33.59	8.2	24.8	2.62
F32	05 Feb 2016	16	15.28	83.30	7.4	33.59	8.2	24.8	2.61
F32	05 Feb 2016	17	15.28	83.49	7.4	33.59	8.2	24.8	2.62
F32	05 Feb 2016	18	15.28	83.63	7.3	33.59	8.2	24.8	2.61
F32	05 Feb 2016	19	15.28	83.62	7.4	33.59	8.2	24.8	2.59
F32	05 Feb 2016	20	15.28	83.59	7.4	33.59	8.2	24.8	2.58
F32	05 Feb 2016	21	15.28	83.60	7.3	33.59	8.2	24.8	2.56
F32	05 Feb 2016	22	15.28	83.78	7.4	33.59	8.2	24.8	2.56
F32	05 Feb 2016	23	15.28	83.60	7.4	33.59	8.2	24.8	2.52
F32	05 Feb 2016	24	15.28	83.55	7.4	33.59	8.2	24.8	2.50
F32	05 Feb 2016	25	15.28	83.76	7.4	33.59	8.2	24.8	2.46
F32	05 Feb 2016	26	15.27	83.91	7.4	33.59	8.2	24.8	2.44
F32	05 Feb 2016	27	15.27	83.97	7.4	33.59	8.2	24.8	2.43
F32	05 Feb 2016	28	15.27	84.01	7.4	33.59	8.2	24.8	2.40
F32	05 Feb 2016	29	15.27	84.03	7.4	33.59	8.2	24.8	2.37
F32	05 Feb 2016	30	15.27	84.04	7.4	33.59	8.2	24.8	2.35
F32	05 Feb 2016	31	15.27	84.03	7.4	33.59	8.2	24.8	2.33
F32	05 Feb 2016	32	15.27	84.06	7.4	33.59	8.2	24.8	2.32
F32	05 Feb 2016	33	15.27	84.08	7.3	33.59	8.2	24.8	2.27
F32	05 Feb 2016	34	15.27	84.11	7.4	33.59	8.2	24.8	2.23
F32	05 Feb 2016	35	15.27	84.19	7.4	33.59	8.2	24.8	2.20
F32	05 Feb 2016	36	15.27	84.25	7.3	33.59	8.2	24.8	2.08
F32	05 Feb 2016	37	15.26	84.26	7.3	33.59	8.2	24.8	1.94
F32	05 Feb 2016	38	15.25	84.42	7.3	33.59	8.2	24.8	1.75
F32	05 Feb 2016	39	15.22	84.68	7.1	33.58	8.2	24.8	1.51
F32	05 Feb 2016	40	15.12	84.61	6.9	33.58	8.1	24.8	1.23
F32	05 Feb 2016	41	14.98	84.19	6.5	33.57	8.1	24.9	0.91
F32	05 Feb 2016	42	14.73	83.24	6.3	33.55	8.1	24.9	0.75
F32	05 Feb 2016	43	14.53	81.94	6.2	33.54	8.1	24.9	0.67
F32	05 Feb 2016	44	14.46	80.84	6.2	33.53	8.1	25.0	0.64
F32	05 Feb 2016	45	14.45	80.57	6.3	33.53	8.1	25.0	0.62
F32	05 Feb 2016	46	14.45	80.48	6.3	33.53	8.1	25.0	0.59
F32	05 Feb 2016	47	14.41	80.46	6.2	33.53	8.1	25.0	0.55
F32	05 Feb 2016	48	14.33	80.34	6.0	33.53	8.1	25.0	0.51
F32	05 Feb 2016	49	14.09	80.13	5.9	33.53	8.1	25.0	0.49
F32	05 Feb 2016	50	13.96	79.75	5.9	33.52	8.0	25.1	0.47
F32	05 Feb 2016	51	13.92	79.76	5.8	33.52	8.0	25.1	0.45
F32	05 Feb 2016	52	13.84	80.11	5.8	33.52	8.0	25.1	0.42
F32	05 Feb 2016	53	13.73	80.97	5.6	33.51	8.0	25.1	0.38
F32	05 Feb 2016	54	13.59	81.75	5.5	33.49	8.0	25.1	0.33
F32	05 Feb 2016	55	13.40	82.65	5.5	33.48	8.0	25.1	0.32
F32	05 Feb 2016	56	13.19	84.65	5.5	33.47	8.0	25.2	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	05 Feb 2016	57	13.13	85.58	5.5	33.47	8.0	25.2	0.30
F32	05 Feb 2016	58	13.09	86.14	5.5	33.46	8.0	25.2	0.29
F32	05 Feb 2016	59	12.98	86.62	5.6	33.44	8.0	25.2	0.27
F32	05 Feb 2016	60	12.79	88.03	5.6	33.42	8.0	25.2	0.27
F32	05 Feb 2016	61	12.71	89.04	5.5	33.43	8.0	25.2	0.25
F32	05 Feb 2016	62	12.62	88.72	5.5	33.43	8.0	25.3	0.24
F32	05 Feb 2016	63	12.60	88.65	5.3	33.43	8.0	25.3	0.21
F32	05 Feb 2016	64	12.49	88.80	5.2	33.44	8.0	25.3	0.19
F32	05 Feb 2016	65	12.30	88.25	5.1	33.41	8.0	25.3	0.19
F32	05 Feb 2016	66	12.15	87.22	5.1	33.40	7.9	25.3	0.19
F32	05 Feb 2016	67	12.14	86.63	5.2	33.42	7.9	25.3	0.19
F32	05 Feb 2016	68	12.14	86.57	5.2	33.42	7.9	25.3	0.19
F32	05 Feb 2016	69	12.15	87.40	5.2	33.43	7.9	25.3	0.19
F32	05 Feb 2016	70	12.12	87.13	5.2	33.44	7.9	25.4	0.20
F32	05 Feb 2016	71	12.11	86.86	5.2	33.44	7.9	25.4	0.22
F32	05 Feb 2016	72	12.10	86.41	5.2	33.44	7.9	25.4	0.23
F32	05 Feb 2016	73	12.14	85.03	5.3	33.46	7.9	25.4	0.23
F32	05 Feb 2016	74	12.18	81.49	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	75	12.18	80.74	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	76	12.16	81.04	5.3	33.47	7.9	25.4	0.23
F32	05 Feb 2016	77	12.15	81.73	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	78	12.12	82.13	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	79	12.12	81.51	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	80	12.12	80.57	5.2	33.47	7.9	25.4	0.23
F32	05 Feb 2016	81	12.12	79.92	5.2	33.47	7.9	25.4	0.22
F32	05 Feb 2016	82	12.10	80.51	5.2	33.47	7.9	25.4	0.22
F32	05 Feb 2016	83	12.08	81.00	5.2	33.47	7.9	25.4	0.22
F32	05 Feb 2016	84	12.08	79.47	5.2	33.48	7.9	25.4	0.23
F32	05 Feb 2016	85	12.06	78.93	5.2	33.48	7.9	25.4	0.22
F32	05 Feb 2016	86	12.03	78.33	5.2	33.48	7.9	25.4	0.22
F32	05 Feb 2016	87	12.01	78.75	5.1	33.48	7.9	25.4	0.21
F32	05 Feb 2016	88	12.00	78.76	5.0	33.49	7.9	25.4	0.22
F32	05 Feb 2016	89	11.98	75.58	5.0	33.51	7.9	25.4	0.22
F32	05 Feb 2016	90	11.94	72.77	4.9	33.52	7.9	25.4	0.22
F32	05 Feb 2016	91	11.92	72.16	4.8	33.52	7.9	25.5	0.22
F32	05 Feb 2016	92	11.88	70.13	4.8	33.53	7.9	25.5	0.21
F32	05 Feb 2016	93	11.83	66.10	4.7	33.54	7.9	25.5	0.21
F32	05 Feb 2016	94	11.77	64.41	4.7	33.55	7.9	25.5	0.20
F32	05 Feb 2016	95	11.80	65.86	4.6	33.55	7.9	25.5	0.20
F32	05 Feb 2016	96	11.64	63.46	4.5	33.59	7.9	25.6	0.19
F32	05 Feb 2016	97	11.64	64.84	4.5	33.59	7.9	25.6	0.19
F32	05 Feb 2016	98	11.62	66.25	4.5	33.59	7.9	25.6	0.18
F32	05 Feb 2016	99	11.59	70.72	4.5	33.60	7.9	25.6	0.18
F32	05 Feb 2016	100	11.58	68.92	4.5	33.61	7.9	25.6	0.18
F33	05 Feb 2016	1	15.41	83.65	7.5	33.59	8.2	24.8	1.19
F33	05 Feb 2016	2	15.37	83.17	7.5	33.59	8.2	24.8	1.29
F33	05 Feb 2016	3	15.36	82.89	7.5	33.59	8.2	24.8	1.43
F33	05 Feb 2016	4	15.36	82.75	7.5	33.59	8.2	24.8	1.52
F33	05 Feb 2016	5	15.35	82.92	7.5	33.59	8.2	24.8	1.63
F33	05 Feb 2016	6	15.35	82.89	7.4	33.59	8.2	24.8	1.76
F33	05 Feb 2016	7	15.35	82.82	7.5	33.59	8.2	24.8	1.93
F33	05 Feb 2016	8	15.34	82.74	7.4	33.59	8.2	24.8	2.12
F33	05 Feb 2016	9	15.33	82.65	7.4	33.59	8.2	24.8	2.23
F33	05 Feb 2016	10	15.33	82.63	7.5	33.59	8.2	24.8	2.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F33	05 Feb 2016	11	15.33	82.62	7.5	33.59	8.2	24.8	2.47
F33	05 Feb 2016	12	15.32	82.64	7.5	33.59	8.2	24.8	2.58
F33	05 Feb 2016	13	15.32	82.62	7.5	33.59	8.2	24.8	2.68
F33	05 Feb 2016	14	15.32	82.75	7.4	33.59	8.2	24.8	2.71
F33	05 Feb 2016	15	15.32	82.82	7.4	33.59	8.2	24.8	2.74
F33	05 Feb 2016	16	15.32	82.87	7.4	33.59	8.2	24.8	2.78
F33	05 Feb 2016	17	15.32	82.92	7.4	33.59	8.2	24.8	2.81
F33	05 Feb 2016	18	15.32	82.91	7.4	33.59	8.2	24.8	2.81
F33	05 Feb 2016	19	15.32	82.97	7.4	33.59	8.2	24.8	2.80
F33	05 Feb 2016	20	15.32	83.04	7.4	33.59	8.2	24.8	2.78
F33	05 Feb 2016	21	15.32	83.06	7.4	33.59	8.2	24.8	2.78
F33	05 Feb 2016	22	15.32	83.08	7.4	33.59	8.2	24.8	2.77
F33	05 Feb 2016	23	15.32	83.12	7.4	33.59	8.2	24.8	2.74
F33	05 Feb 2016	24	15.32	83.26	7.4	33.59	8.2	24.8	2.76
F33	05 Feb 2016	25	15.31	83.28	7.4	33.59	8.2	24.8	2.73
F33	05 Feb 2016	26	15.31	83.31	7.4	33.59	8.2	24.8	2.69
F33	05 Feb 2016	27	15.31	83.44	7.4	33.59	8.2	24.8	2.63
F33	05 Feb 2016	28	15.31	83.49	7.4	33.59	8.2	24.8	2.60
F33	05 Feb 2016	29	15.31	83.57	7.4	33.59	8.2	24.8	2.58
F33	05 Feb 2016	30	15.31	83.61	7.4	33.59	8.2	24.8	2.50
F33	05 Feb 2016	31	15.31	83.73	7.3	33.59	8.2	24.8	2.49
F33	05 Feb 2016	32	15.31	83.77	7.3	33.59	8.2	24.8	2.47
F33	05 Feb 2016	33	15.31	83.83	7.4	33.59	8.2	24.8	2.42
F33	05 Feb 2016	34	15.31	83.89	7.4	33.59	8.2	24.8	2.40
F33	05 Feb 2016	35	15.30	84.06	7.4	33.59	8.2	24.8	2.38
F33	05 Feb 2016	36	15.30	84.12	7.4	33.59	8.2	24.8	2.36
F33	05 Feb 2016	37	15.30	84.15	7.4	33.59	8.2	24.8	2.32
F33	05 Feb 2016	38	15.30	84.21	7.3	33.59	8.2	24.8	2.32
F33	05 Feb 2016	39	15.29	84.30	7.4	33.59	8.2	24.8	2.27
F33	05 Feb 2016	40	15.29	84.35	7.4	33.59	8.2	24.8	2.18
F33	05 Feb 2016	41	15.28	84.38	7.3	33.59	8.2	24.8	2.13
F33	05 Feb 2016	42	15.24	84.34	7.2	33.58	8.2	24.8	1.99
F33	05 Feb 2016	43	15.21	84.43	6.8	33.58	8.1	24.8	1.22
F33	05 Feb 2016	44	14.87	84.84	6.3	33.56	8.1	24.9	0.75
F33	05 Feb 2016	45	14.38	84.07	6.1	33.53	8.1	25.0	0.59
F33	05 Feb 2016	46	14.25	82.75	6.0	33.51	8.1	25.0	0.50
F33	05 Feb 2016	47	14.05	82.35	5.9	33.51	8.1	25.0	0.47
F33	05 Feb 2016	48	14.03	82.04	5.9	33.51	8.0	25.0	0.48
F33	05 Feb 2016	49	14.02	81.97	5.9	33.51	8.0	25.0	0.47
F33	05 Feb 2016	50	13.99	81.41	5.9	33.52	8.0	25.0	0.45
F33	05 Feb 2016	51	13.95	80.80	5.8	33.52	8.0	25.1	0.46
F33	05 Feb 2016	52	13.93	80.33	5.9	33.52	8.0	25.1	0.45
F33	05 Feb 2016	53	13.90	80.08	5.8	33.52	8.0	25.1	0.43
F33	05 Feb 2016	54	13.76	79.82	5.7	33.52	8.0	25.1	0.41
F33	05 Feb 2016	55	13.69	79.96	5.6	33.51	8.0	25.1	0.37
F33	05 Feb 2016	56	13.58	80.59	5.5	33.51	8.0	25.1	0.34
F33	05 Feb 2016	57	13.39	81.35	5.5	33.50	8.0	25.1	0.32
F33	05 Feb 2016	58	13.34	81.57	5.5	33.49	8.0	25.2	0.31
F33	05 Feb 2016	59	13.24	83.03	5.5	33.49	8.0	25.2	0.30
F33	05 Feb 2016	60	13.22	83.00	5.4	33.49	8.0	25.2	0.28
F33	05 Feb 2016	61	13.16	83.07	5.4	33.49	8.0	25.2	0.28
F33	05 Feb 2016	62	13.12	83.40	5.3	33.48	8.0	25.2	0.26
F33	05 Feb 2016	63	13.00	83.91	5.3	33.48	8.0	25.2	0.26
F33	05 Feb 2016	64	12.93	84.71	5.4	33.48	8.0	25.2	0.25
F33	05 Feb 2016	65	12.77	86.02	5.4	33.46	8.0	25.2	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F33	05 Feb 2016	66	12.66	87.46	5.5	33.45	8.0	25.3	0.25
F33	05 Feb 2016	67	12.63	88.06	5.5	33.44	8.0	25.3	0.24
F33	05 Feb 2016	68	12.57	88.30	5.5	33.44	8.0	25.3	0.24
F33	05 Feb 2016	69	12.47	88.40	5.5	33.43	8.0	25.3	0.22
F33	05 Feb 2016	70	12.41	88.78	5.4	33.43	8.0	25.3	0.21
F33	05 Feb 2016	71	12.32	89.06	5.4	33.42	8.0	25.3	0.20
F33	05 Feb 2016	72	12.29	89.06	5.4	33.42	8.0	25.3	0.20
F33	05 Feb 2016	73	12.23	88.70	5.3	33.41	8.0	25.3	0.18
F33	05 Feb 2016	74	12.15	88.70	5.3	33.41	8.0	25.3	0.19
F33	05 Feb 2016	75	12.11	88.75	5.3	33.42	8.0	25.3	0.19
F33	05 Feb 2016	76	12.11	89.09	5.4	33.43	8.0	25.4	0.19
F33	05 Feb 2016	77	12.09	88.84	5.3	33.44	8.0	25.4	0.18
F33	05 Feb 2016	78	12.04	88.27	5.3	33.44	7.9	25.4	0.18
F33	05 Feb 2016	79	12.04	88.30	5.3	33.44	7.9	25.4	0.18
F33	05 Feb 2016	80	12.04	88.02	5.3	33.44	7.9	25.4	0.19
F33	05 Feb 2016	81	12.03	87.34	5.3	33.46	7.9	25.4	0.19
F33	05 Feb 2016	82	12.03	87.34	5.2	33.46	7.9	25.4	0.20
F33	05 Feb 2016	83	12.02	86.26	5.2	33.47	7.9	25.4	0.21
F33	05 Feb 2016	84	12.03	83.28	5.1	33.47	7.9	25.4	0.21
F33	05 Feb 2016	85	12.04	80.88	5.0	33.49	7.9	25.4	0.21
F33	05 Feb 2016	86	12.06	77.37	5.0	33.50	7.9	25.4	0.21
F33	05 Feb 2016	87	12.05	76.66	5.0	33.51	7.9	25.4	0.21
F33	05 Feb 2016	88	12.03	76.80	5.0	33.50	7.9	25.4	0.21
F33	05 Feb 2016	89	12.01	77.22	5.0	33.50	7.9	25.4	0.20
F33	05 Feb 2016	90	11.99	77.72	5.0	33.50	7.9	25.4	0.20
F33	05 Feb 2016	91	11.97	78.44	4.9	33.51	7.9	25.4	0.20
F33	05 Feb 2016	92	11.96	79.25	4.9	33.52	7.9	25.4	0.19
F33	05 Feb 2016	93	11.93	78.89	4.8	33.53	7.9	25.5	0.19
F33	05 Feb 2016	94	11.92	78.09	4.8	33.53	7.9	25.5	0.19
F33	05 Feb 2016	95	11.91	77.80	4.8	33.54	7.9	25.5	0.19
F33	05 Feb 2016	96	11.89	76.92	4.7	33.54	7.9	25.5	0.19
F33	05 Feb 2016	97	11.85	75.78	4.6	33.55	7.9	25.5	0.20
F33	05 Feb 2016	98	11.77	66.72	4.5	33.57	7.9	25.5	0.20
F33	05 Feb 2016	99	11.66	55.54	4.5	33.59	7.9	25.6	0.21
F33	05 Feb 2016	100	11.65	54.10	4.5	33.59	7.9	25.6	0.20
F34	05 Feb 2016	1	15.37	82.72	7.5	33.59	8.2	24.8	1.40
F34	05 Feb 2016	2	15.37	83.18	7.5	33.59	8.2	24.8	1.53
F34	05 Feb 2016	3	15.35	82.96	7.5	33.59	8.2	24.8	1.67
F34	05 Feb 2016	4	15.35	82.84	7.6	33.59	8.2	24.8	1.78
F34	05 Feb 2016	5	15.35	82.79	7.5	33.59	8.2	24.8	1.95
F34	05 Feb 2016	6	15.34	82.86	7.5	33.59	8.2	24.8	2.13
F34	05 Feb 2016	7	15.34	82.81	7.5	33.59	8.2	24.8	2.29
F34	05 Feb 2016	8	15.34	82.81	7.5	33.59	8.2	24.8	2.41
F34	05 Feb 2016	9	15.34	82.83	7.5	33.59	8.2	24.8	2.51
F34	05 Feb 2016	10	15.34	82.85	7.5	33.59	8.2	24.8	2.60
F34	05 Feb 2016	11	15.34	82.84	7.5	33.59	8.2	24.8	2.63
F34	05 Feb 2016	12	15.34	82.85	7.5	33.59	8.2	24.8	2.68
F34	05 Feb 2016	13	15.34	82.89	7.4	33.59	8.2	24.8	2.67
F34	05 Feb 2016	14	15.34	82.86	7.4	33.59	8.2	24.8	2.70
F34	05 Feb 2016	15	15.34	83.12	7.4	33.59	8.2	24.8	2.73
F34	05 Feb 2016	16	15.34	83.31	7.5	33.59	8.2	24.8	2.70
F34	05 Feb 2016	17	15.34	83.27	7.5	33.59	8.2	24.8	2.70
F34	05 Feb 2016	18	15.34	83.33	7.4	33.59	8.2	24.8	2.69
F34	05 Feb 2016	19	15.33	83.35	7.4	33.59	8.2	24.8	2.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F34	05 Feb 2016	20	15.33	83.40	7.4	33.59	8.2	24.8	2.71
F34	05 Feb 2016	21	15.34	83.37	7.4	33.59	8.2	24.8	2.68
F34	05 Feb 2016	22	15.34	83.41	7.4	33.59	8.2	24.8	2.69
F34	05 Feb 2016	23	15.34	83.42	7.5	33.59	8.2	24.8	2.67
F34	05 Feb 2016	24	15.34	83.41	7.4	33.59	8.2	24.8	2.63
F34	05 Feb 2016	25	15.34	83.38	7.4	33.59	8.2	24.8	2.62
F34	05 Feb 2016	26	15.34	83.35	7.4	33.59	8.2	24.8	2.61
F34	05 Feb 2016	27	15.34	83.45	7.4	33.59	8.2	24.8	2.61
F34	05 Feb 2016	28	15.34	83.45	7.4	33.59	8.2	24.8	2.60
F34	05 Feb 2016	29	15.34	83.47	7.4	33.59	8.2	24.8	2.58
F34	05 Feb 2016	30	15.34	83.48	7.4	33.59	8.2	24.8	2.58
F34	05 Feb 2016	31	15.34	83.49	7.4	33.59	8.2	24.8	2.56
F34	05 Feb 2016	32	15.34	83.49	7.5	33.59	8.2	24.8	2.57
F34	05 Feb 2016	33	15.34	83.50	7.4	33.59	8.2	24.8	2.61
F34	05 Feb 2016	34	15.34	83.46	7.4	33.59	8.2	24.8	2.60
F34	05 Feb 2016	35	15.34	83.39	7.5	33.59	8.2	24.8	2.60
F34	05 Feb 2016	36	15.34	83.37	7.5	33.59	8.2	24.8	2.62
F34	05 Feb 2016	37	15.34	83.41	7.4	33.59	8.2	24.8	2.61
F34	05 Feb 2016	38	15.34	83.40	7.5	33.59	8.2	24.8	2.59
F34	05 Feb 2016	39	15.33	83.44	7.4	33.59	8.2	24.8	2.59
F34	05 Feb 2016	40	15.34	83.40	7.4	33.59	8.2	24.8	2.60
F34	05 Feb 2016	41	15.34	83.39	7.5	33.59	8.2	24.8	2.58
F34	05 Feb 2016	42	15.34	83.38	7.5	33.59	8.2	24.8	2.55
F34	05 Feb 2016	43	15.33	83.47	7.4	33.59	8.2	24.8	2.55
F34	05 Feb 2016	44	15.32	83.83	7.4	33.59	8.2	24.8	2.53
F34	05 Feb 2016	45	15.32	83.80	7.4	33.59	8.2	24.8	2.44
F34	05 Feb 2016	46	15.32	84.00	7.3	33.59	8.2	24.8	2.21
F34	05 Feb 2016	47	15.30	84.51	7.3	33.59	8.2	24.8	2.00
F34	05 Feb 2016	48	15.28	85.07	7.3	33.59	8.2	24.8	1.64
F34	05 Feb 2016	49	15.25	85.32	7.0	33.58	8.2	24.8	1.12
F34	05 Feb 2016	50	15.08	85.86	6.5	33.57	8.1	24.8	0.70
F34	05 Feb 2016	51	14.68	86.65	6.2	33.52	8.1	24.9	0.50
F34	05 Feb 2016	52	14.30	87.86	6.1	33.48	8.1	25.0	0.42
F34	05 Feb 2016	53	14.13	88.25	5.9	33.47	8.1	25.0	0.38
F34	05 Feb 2016	54	13.85	88.76	5.8	33.46	8.1	25.0	0.35
F34	05 Feb 2016	55	13.71	88.54	5.7	33.47	8.0	25.1	0.36
F34	05 Feb 2016	56	13.70	86.97	5.6	33.48	8.0	25.1	0.37
F34	05 Feb 2016	57	13.70	85.94	5.6	33.49	8.0	25.1	0.37
F34	05 Feb 2016	58	13.67	84.74	5.5	33.49	8.0	25.1	0.33
F34	05 Feb 2016	59	13.48	82.72	5.4	33.50	8.0	25.1	0.31
F34	05 Feb 2016	60	13.30	81.39	5.4	33.50	8.0	25.2	0.33
F34	05 Feb 2016	61	13.24	81.32	5.3	33.50	8.0	25.2	0.30
F34	05 Feb 2016	62	13.15	81.87	5.3	33.50	8.0	25.2	0.27
F34	05 Feb 2016	63	13.07	82.16	5.3	33.50	8.0	25.2	0.27
F34	05 Feb 2016	64	12.98	82.66	5.2	33.50	8.0	25.2	0.25
F34	05 Feb 2016	65	12.90	83.30	5.2	33.49	8.0	25.2	0.24
F34	05 Feb 2016	66	12.87	83.34	5.2	33.49	8.0	25.3	0.22
F34	05 Feb 2016	67	12.80	83.64	5.1	33.49	8.0	25.3	0.23
F34	05 Feb 2016	68	12.73	84.13	5.2	33.49	8.0	25.3	0.22
F34	05 Feb 2016	69	12.60	84.72	5.2	33.49	8.0	25.3	0.22
F34	05 Feb 2016	70	12.55	85.09	5.2	33.49	8.0	25.3	0.22
F34	05 Feb 2016	71	12.50	85.34	5.2	33.49	8.0	25.3	0.21
F34	05 Feb 2016	72	12.47	85.42	5.2	33.48	8.0	25.3	0.22
F34	05 Feb 2016	73	12.39	85.70	5.2	33.48	8.0	25.3	0.22
F34	05 Feb 2016	74	12.31	86.29	5.2	33.48	8.0	25.3	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F34	05 Feb 2016	75	12.23	86.55	5.2	33.47	8.0	25.4	0.22
F34	05 Feb 2016	76	12.17	87.09	5.2	33.47	8.0	25.4	0.23
F34	05 Feb 2016	77	12.12	86.76	5.2	33.47	7.9	25.4	0.22
F34	05 Feb 2016	78	12.12	83.26	5.1	33.48	7.9	25.4	0.22
F34	05 Feb 2016	79	12.15	81.10	5.0	33.49	7.9	25.4	0.22
F34	05 Feb 2016	80	12.17	78.62	5.0	33.50	7.9	25.4	0.22
F34	05 Feb 2016	81	12.17	77.80	5.0	33.51	7.9	25.4	0.22
F34	05 Feb 2016	82	12.14	78.03	5.0	33.51	7.9	25.4	0.22
F34	05 Feb 2016	83	12.11	78.23	5.0	33.50	7.9	25.4	0.21
F34	05 Feb 2016	84	12.09	78.55	5.0	33.50	7.9	25.4	0.21
F34	05 Feb 2016	85	12.10	77.80	5.0	33.51	7.9	25.4	0.21
F34	05 Feb 2016	86	12.10	77.36	5.0	33.51	7.9	25.4	0.21
F34	05 Feb 2016	87	12.08	77.14	5.0	33.51	7.9	25.4	0.21
F34	05 Feb 2016	88	12.05	77.62	5.0	33.51	7.9	25.4	0.20
F34	05 Feb 2016	89	12.02	77.99	5.0	33.51	7.9	25.4	0.20
F34	05 Feb 2016	90	11.98	80.09	4.9	33.51	7.9	25.4	0.19
F34	05 Feb 2016	91	11.96	81.88	4.9	33.51	7.9	25.4	0.19
F34	05 Feb 2016	92	11.94	83.01	4.9	33.51	7.9	25.4	0.18
F34	05 Feb 2016	93	11.94	83.19	4.9	33.52	7.9	25.4	0.18
F34	05 Feb 2016	94	11.94	83.14	4.8	33.52	7.9	25.5	0.17
F34	05 Feb 2016	95	11.90	83.65	4.8	33.53	7.9	25.5	0.17
F34	05 Feb 2016	96	11.89	83.58	4.7	33.54	7.9	25.5	0.17
F34	05 Feb 2016	97	11.86	82.63	4.7	33.54	7.9	25.5	0.17
F34	05 Feb 2016	98	11.85	82.11	4.7	33.55	7.9	25.5	0.17
F34	05 Feb 2016	99	11.84	81.68	4.7	33.55	7.9	25.5	0.17
F34	05 Feb 2016	100	11.84	81.82	4.7	33.55	7.9	25.5	0.17
F34	05 Feb 2016	101	11.82	80.62	4.7	33.55	7.9	25.5	0.18
F35	05 Feb 2016	1	15.46	85.52	7.5	33.59	8.2	24.8	0.87
F35	05 Feb 2016	2	15.46	85.62	7.5	33.59	8.2	24.8	0.92
F35	05 Feb 2016	3	15.45	85.65	7.5	33.59	8.2	24.8	1.03
F35	05 Feb 2016	4	15.45	85.59	7.4	33.59	8.2	24.8	1.11
F35	05 Feb 2016	5	15.44	85.50	7.4	33.59	8.2	24.8	1.16
F35	05 Feb 2016	6	15.44	85.54	7.4	33.59	8.2	24.8	1.25
F35	05 Feb 2016	7	15.44	85.54	7.4	33.59	8.2	24.8	1.31
F35	05 Feb 2016	8	15.44	85.48	7.5	33.59	8.2	24.8	1.37
F35	05 Feb 2016	9	15.44	85.54	7.4	33.59	8.2	24.8	1.48
F35	05 Feb 2016	10	15.44	85.25	7.4	33.59	8.2	24.8	1.56
F35	05 Feb 2016	11	15.44	85.57	7.4	33.59	8.2	24.8	1.62
F35	05 Feb 2016	12	15.43	85.57	7.4	33.59	8.2	24.8	1.67
F35	05 Feb 2016	13	15.43	85.54	7.4	33.59	8.2	24.8	1.71
F35	05 Feb 2016	14	15.43	85.54	7.4	33.59	8.2	24.8	1.70
F35	05 Feb 2016	15	15.43	85.52	7.4	33.59	8.2	24.8	1.71
F35	05 Feb 2016	16	15.43	85.56	7.3	33.59	8.2	24.8	1.72
F35	05 Feb 2016	17	15.43	85.55	7.4	33.59	8.2	24.8	1.73
F35	05 Feb 2016	18	15.43	85.53	7.4	33.59	8.2	24.8	1.72
F35	05 Feb 2016	19	15.43	85.60	7.4	33.59	8.2	24.8	1.75
F35	05 Feb 2016	20	15.43	85.60	7.4	33.59	8.2	24.8	1.74
F35	05 Feb 2016	21	15.43	85.56	7.3	33.59	8.2	24.8	1.73
F35	05 Feb 2016	22	15.43	85.52	7.3	33.59	8.2	24.8	1.76
F35	05 Feb 2016	23	15.43	85.51	7.4	33.59	8.2	24.8	1.76
F35	05 Feb 2016	24	15.43	85.46	7.4	33.59	8.2	24.8	1.77
F35	05 Feb 2016	25	15.43	85.44	7.5	33.59	8.2	24.8	1.76
F35	05 Feb 2016	26	15.42	85.34	7.4	33.59	8.2	24.8	1.76
F35	05 Feb 2016	27	15.42	85.40	7.4	33.59	8.2	24.8	1.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F35	05 Feb 2016	28	15.42	85.33	7.4	33.59	8.2	24.8	1.88
F35	05 Feb 2016	29	15.42	85.18	7.4	33.59	8.2	24.8	1.91
F35	05 Feb 2016	30	15.41	84.81	7.5	33.59	8.2	24.8	1.95
F35	05 Feb 2016	31	15.41	84.53	7.4	33.59	8.2	24.8	1.96
F35	05 Feb 2016	32	15.41	84.36	7.4	33.59	8.2	24.8	1.96
F35	05 Feb 2016	33	15.41	84.44	7.4	33.59	8.2	24.8	1.94
F35	05 Feb 2016	34	15.41	84.58	7.3	33.59	8.2	24.8	1.93
F35	05 Feb 2016	35	15.41	84.54	7.4	33.59	8.2	24.8	1.94
F35	05 Feb 2016	36	15.41	84.56	7.4	33.59	8.2	24.8	1.94
F35	05 Feb 2016	37	15.41	84.57	7.4	33.59	8.2	24.8	2.00
F35	05 Feb 2016	38	15.41	84.46	7.4	33.59	8.2	24.8	2.12
F35	05 Feb 2016	39	15.41	84.02	7.5	33.60	8.2	24.8	2.14
F35	05 Feb 2016	40	15.41	83.71	7.4	33.60	8.2	24.8	2.13
F35	05 Feb 2016	41	15.41	83.75	7.4	33.60	8.2	24.8	2.14
F35	05 Feb 2016	42	15.41	83.72	7.4	33.60	8.2	24.8	2.13
F35	05 Feb 2016	43	15.40	83.71	7.4	33.59	8.2	24.8	2.14
F35	05 Feb 2016	44	15.40	83.76	7.4	33.59	8.2	24.8	2.14
F35	05 Feb 2016	45	15.39	83.82	7.4	33.59	8.2	24.8	2.17
F35	05 Feb 2016	46	15.39	83.88	7.4	33.59	8.2	24.8	2.24
F35	05 Feb 2016	47	15.37	83.75	7.4	33.59	8.2	24.8	2.35
F35	05 Feb 2016	48	15.37	83.75	7.4	33.59	8.2	24.8	2.46
F35	05 Feb 2016	49	15.36	83.58	7.4	33.59	8.2	24.8	2.48
F35	05 Feb 2016	50	15.35	83.61	7.4	33.59	8.2	24.8	2.41
F35	05 Feb 2016	51	15.35	83.76	7.4	33.59	8.2	24.8	2.13
F35	05 Feb 2016	52	15.34	83.79	7.2	33.59	8.2	24.8	1.56
F35	05 Feb 2016	53	15.25	84.30	6.8	33.58	8.2	24.8	1.05
F35	05 Feb 2016	54	14.91	86.35	6.3	33.54	8.1	24.9	0.57
F35	05 Feb 2016	55	14.19	88.72	6.0	33.47	8.1	25.0	0.38
F35	05 Feb 2016	56	13.75	90.04	6.0	33.44	8.1	25.0	0.35
F35	05 Feb 2016	57	13.67	90.23	5.8	33.44	8.0	25.0	0.30
F35	05 Feb 2016	58	13.59	90.36	5.5	33.45	8.0	25.1	0.28
F35	05 Feb 2016	59	13.47	90.30	5.4	33.48	8.0	25.1	0.28
F35	05 Feb 2016	60	13.35	90.27	5.4	33.49	8.0	25.2	0.26
F35	05 Feb 2016	61	13.33	90.33	5.4	33.49	8.0	25.2	0.26
F35	05 Feb 2016	62	13.31	90.37	5.4	33.49	8.0	25.2	0.26
F35	05 Feb 2016	63	13.28	90.37	5.4	33.49	8.0	25.2	0.25
F35	05 Feb 2016	64	13.21	90.36	5.3	33.50	8.0	25.2	0.24
F35	05 Feb 2016	65	13.09	90.37	5.2	33.51	8.0	25.2	0.24
F35	05 Feb 2016	66	13.00	90.34	5.2	33.51	8.0	25.2	0.23
F35	05 Feb 2016	67	12.96	90.34	5.2	33.51	8.0	25.2	0.23
F35	05 Feb 2016	68	12.89	90.28	5.2	33.51	8.0	25.3	0.22
F35	05 Feb 2016	69	12.80	90.32	5.2	33.51	8.0	25.3	0.22
F35	05 Feb 2016	70	12.70	90.14	5.2	33.50	8.0	25.3	0.22
F35	05 Feb 2016	71	12.72	89.93	5.2	33.50	8.0	25.3	0.22
F35	05 Feb 2016	72	12.62	89.17	5.2	33.49	8.0	25.3	0.21
F35	05 Feb 2016	73	12.58	88.19	5.1	33.49	8.0	25.3	0.20
F35	05 Feb 2016	74	12.56	87.18	5.1	33.50	7.9	25.3	0.20
F35	05 Feb 2016	75	12.51	86.78	5.1	33.50	7.9	25.3	0.20
F35	05 Feb 2016	76	12.48	86.27	5.1	33.50	7.9	25.3	0.19
F35	05 Feb 2016	77	12.47	86.11	5.0	33.50	7.9	25.3	0.19
F35	05 Feb 2016	78	12.46	86.19	5.1	33.51	7.9	25.3	0.19
F35	05 Feb 2016	79	12.45	86.16	5.0	33.51	7.9	25.3	0.19
F35	05 Feb 2016	80	12.34	85.98	5.1	33.50	7.9	25.4	0.19
F35	05 Feb 2016	81	12.24	85.88	5.1	33.50	7.9	25.4	0.19
F35	05 Feb 2016	82	12.21	85.86	5.1	33.50	7.9	25.4	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F35	05 Feb 2016	83	12.16	85.80	5.1	33.50	7.9	25.4	0.18
F35	05 Feb 2016	84	12.13	85.76	5.1	33.50	7.9	25.4	0.19
F35	05 Feb 2016	85	12.12	85.46	5.1	33.50	7.9	25.4	0.18
F35	05 Feb 2016	86	12.09	85.33	5.0	33.50	7.9	25.4	0.19
F35	05 Feb 2016	87	12.09	84.83	5.0	33.51	7.9	25.4	0.18
F35	05 Feb 2016	88	12.08	84.39	5.0	33.51	7.9	25.4	0.18
F35	05 Feb 2016	89	12.08	83.64	5.0	33.52	7.9	25.4	0.18
F35	05 Feb 2016	90	12.06	82.35	4.9	33.52	7.9	25.4	0.18
F35	05 Feb 2016	91	12.07	82.74	4.9	33.52	7.9	25.4	0.19
F35	05 Feb 2016	92	12.07	81.66	4.9	33.52	7.9	25.4	0.18
F35	05 Feb 2016	93	12.07	80.78	4.9	33.52	7.9	25.4	0.18
F35	05 Feb 2016	94	12.07	80.89	4.9	33.52	7.9	25.4	0.18
F35	05 Feb 2016	95	12.04	81.45	4.8	33.52	7.9	25.4	0.17
F35	05 Feb 2016	96	11.95	78.04	4.7	33.54	7.9	25.5	0.17
F35	05 Feb 2016	97	11.91	73.91	4.6	33.55	7.9	25.5	0.17
F35	05 Feb 2016	98	11.86	73.20	4.6	33.55	7.9	25.5	0.17
F35	05 Feb 2016	99	11.79	72.34	4.6	33.57	7.9	25.5	0.17
F35	05 Feb 2016	100	11.80	67.80	4.5	33.57	7.9	25.5	0.18
F36	05 Feb 2016	1	15.52	86.30	7.6	33.59	8.1	24.8	0.90
F36	05 Feb 2016	2	15.51	85.77	7.5	33.59	8.1	24.8	0.92
F36	05 Feb 2016	3	15.51	86.66	7.5	33.59	8.1	24.8	1.01
F36	05 Feb 2016	4	15.51	86.73	7.5	33.59	8.1	24.8	1.10
F36	05 Feb 2016	5	15.51	85.71	7.5	33.59	8.1	24.8	1.15
F36	05 Feb 2016	6	15.51	86.36	7.5	33.59	8.1	24.8	1.19
F36	05 Feb 2016	7	15.51	86.44	7.5	33.59	8.1	24.8	1.23
F36	05 Feb 2016	8	15.51	86.47	7.5	33.59	8.1	24.8	1.31
F36	05 Feb 2016	9	15.51	86.46	7.5	33.59	8.1	24.8	1.36
F36	05 Feb 2016	10	15.51	86.45	7.5	33.59	8.1	24.8	1.44
F36	05 Feb 2016	11	15.51	86.39	7.5	33.59	8.1	24.8	1.44
F36	05 Feb 2016	12	15.51	86.42	7.5	33.59	8.1	24.8	1.48
F36	05 Feb 2016	13	15.51	86.14	7.4	33.59	8.1	24.8	1.48
F36	05 Feb 2016	14	15.51	85.68	7.5	33.59	8.1	24.8	1.52
F36	05 Feb 2016	15	15.51	86.47	7.4	33.59	8.1	24.8	1.52
F36	05 Feb 2016	16	15.51	86.44	7.4	33.59	8.1	24.8	1.48
F36	05 Feb 2016	17	15.51	86.44	7.5	33.59	8.1	24.8	1.48
F36	05 Feb 2016	18	15.51	86.50	7.5	33.59	8.1	24.8	1.51
F36	05 Feb 2016	19	15.51	86.49	7.5	33.59	8.1	24.8	1.46
F36	05 Feb 2016	20	15.51	86.48	7.5	33.59	8.1	24.8	1.49
F36	05 Feb 2016	21	15.51	86.47	7.5	33.59	8.1	24.8	1.48
F36	05 Feb 2016	22	15.51	86.43	7.5	33.59	8.1	24.8	1.52
F36	05 Feb 2016	23	15.51	86.41	7.5	33.59	8.1	24.8	1.57
F36	05 Feb 2016	24	15.51	86.25	7.5	33.59	8.1	24.8	1.57
F36	05 Feb 2016	25	15.50	86.11	7.4	33.59	8.1	24.8	1.60
F36	05 Feb 2016	26	15.50	86.11	7.4	33.59	8.1	24.8	1.63
F36	05 Feb 2016	27	15.50	86.05	7.4	33.59	8.1	24.8	1.62
F36	05 Feb 2016	28	15.50	86.07	7.4	33.59	8.1	24.8	1.64
F36	05 Feb 2016	29	15.49	86.08	7.4	33.59	8.1	24.8	1.65
F36	05 Feb 2016	30	15.49	86.04	7.5	33.59	8.1	24.8	1.64
F36	05 Feb 2016	31	15.48	86.02	7.4	33.59	8.1	24.8	1.68
F36	05 Feb 2016	32	15.48	86.02	7.5	33.59	8.1	24.8	1.67
F36	05 Feb 2016	33	15.48	86.01	7.4	33.59	8.1	24.8	1.67
F36	05 Feb 2016	34	15.48	85.98	7.5	33.59	8.1	24.8	1.67
F36	05 Feb 2016	35	15.48	85.98	7.4	33.59	8.1	24.8	1.68
F36	05 Feb 2016	36	15.47	85.93	7.4	33.59	8.1	24.8	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	05 Feb 2016	37	15.47	85.89	7.4	33.59	8.1	24.8	1.71
F36	05 Feb 2016	38	15.47	85.89	7.4	33.59	8.1	24.8	1.70
F36	05 Feb 2016	39	15.47	85.77	7.4	33.59	8.1	24.8	1.69
F36	05 Feb 2016	40	15.47	85.73	7.4	33.59	8.1	24.8	1.70
F36	05 Feb 2016	41	15.46	85.75	7.4	33.59	8.1	24.8	1.70
F36	05 Feb 2016	42	15.46	85.69	7.4	33.59	8.1	24.8	1.71
F36	05 Feb 2016	43	15.45	85.56	7.4	33.59	8.1	24.8	1.72
F36	05 Feb 2016	44	15.45	85.48	7.4	33.59	8.1	24.8	1.73
F36	05 Feb 2016	45	15.44	85.46	7.4	33.59	8.1	24.8	1.72
F36	05 Feb 2016	46	15.44	85.40	7.4	33.59	8.1	24.8	1.73
F36	05 Feb 2016	47	15.43	85.35	7.4	33.59	8.1	24.8	1.70
F36	05 Feb 2016	48	15.42	85.31	7.4	33.59	8.1	24.8	1.67
F36	05 Feb 2016	49	15.41	85.40	7.4	33.59	8.1	24.8	1.65
F36	05 Feb 2016	50	15.40	85.52	7.3	33.59	8.1	24.8	1.74
F36	05 Feb 2016	51	15.37	85.50	7.3	33.59	8.1	24.8	1.84
F36	05 Feb 2016	52	15.33	85.14	7.3	33.59	8.1	24.8	1.67
F36	05 Feb 2016	53	15.24	85.10	7.0	33.58	8.1	24.8	1.20
F36	05 Feb 2016	54	14.96	86.70	6.5	33.54	8.1	24.9	0.67
F36	05 Feb 2016	55	14.34	89.09	6.2	33.47	8.1	24.9	0.48
F36	05 Feb 2016	56	13.65	90.11	6.1	33.40	8.1	25.0	0.41
F36	05 Feb 2016	57	13.51	90.41	6.0	33.39	8.0	25.0	0.35
F36	05 Feb 2016	58	13.44	90.47	5.8	33.41	8.0	25.1	0.32
F36	05 Feb 2016	59	13.34	90.50	5.7	33.44	8.0	25.1	0.31
F36	05 Feb 2016	60	13.35	90.45	5.7	33.44	8.0	25.1	0.31
F36	05 Feb 2016	61	13.31	90.48	5.7	33.44	8.0	25.1	0.30
F36	05 Feb 2016	62	13.08	90.51	5.7	33.43	8.0	25.2	0.29
F36	05 Feb 2016	63	13.02	90.54	5.7	33.43	8.0	25.2	0.28
F36	05 Feb 2016	64	12.94	90.56	5.6	33.43	8.0	25.2	0.27
F36	05 Feb 2016	65	12.83	90.56	5.6	33.44	8.0	25.2	0.27
F36	05 Feb 2016	66	12.73	90.59	5.6	33.44	8.0	25.2	0.26
F36	05 Feb 2016	67	12.64	90.60	5.6	33.44	8.0	25.3	0.25
F36	05 Feb 2016	68	12.55	90.61	5.5	33.44	8.0	25.3	0.24
F36	05 Feb 2016	69	12.47	90.61	5.4	33.45	8.0	25.3	0.23
F36	05 Feb 2016	70	12.44	90.64	5.3	33.46	8.0	25.3	0.23
F36	05 Feb 2016	71	12.46	90.64	5.2	33.48	7.9	25.3	0.21
F36	05 Feb 2016	72	12.51	90.58	5.0	33.51	7.9	25.3	0.20
F36	05 Feb 2016	73	12.57	90.55	4.9	33.54	7.9	25.3	0.19
F36	05 Feb 2016	74	12.55	90.51	5.0	33.54	7.9	25.3	0.19
F36	05 Feb 2016	75	12.52	90.47	5.0	33.53	7.9	25.4	0.19
F36	05 Feb 2016	76	12.41	90.52	5.1	33.52	7.9	25.4	0.20
F36	05 Feb 2016	77	12.33	90.56	5.2	33.50	7.9	25.4	0.20
F36	05 Feb 2016	78	12.30	90.60	5.2	33.50	7.9	25.4	0.20
F36	05 Feb 2016	79	12.28	90.61	5.2	33.50	7.9	25.4	0.19
F36	05 Feb 2016	80	12.27	90.64	5.2	33.50	7.9	25.4	0.19
F36	05 Feb 2016	81	12.26	90.63	5.2	33.50	7.9	25.4	0.19
F36	05 Feb 2016	82	12.15	90.64	5.3	33.49	7.9	25.4	0.19
F36	05 Feb 2016	83	12.03	90.62	5.3	33.48	7.9	25.4	0.19
F36	05 Feb 2016	84	12.02	90.53	5.3	33.48	7.9	25.4	0.20
F36	05 Feb 2016	85	11.98	90.61	5.3	33.47	7.9	25.4	0.19
F36	05 Feb 2016	86	12.00	90.62	5.2	33.48	7.9	25.4	0.18
F36	05 Feb 2016	87	11.99	90.66	5.2	33.49	7.9	25.4	0.18
F36	05 Feb 2016	88	11.97	90.64	5.2	33.49	7.9	25.4	0.18
F36	05 Feb 2016	89	11.96	90.66	5.1	33.51	7.9	25.4	0.17
F36	05 Feb 2016	90	11.91	90.67	5.1	33.51	7.9	25.4	0.17
F36	05 Feb 2016	91	11.86	90.66	5.2	33.50	7.9	25.5	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	05 Feb 2016	92	11.75	90.64	5.2	33.49	7.9	25.5	0.17
F36	05 Feb 2016	93	11.72	90.55	5.0	33.49	7.9	25.5	0.17
F36	05 Feb 2016	94	11.72	89.97	5.0	33.50	7.9	25.5	0.17
F36	05 Feb 2016	95	11.74	89.25	4.9	33.51	7.9	25.5	0.16
F36	05 Feb 2016	96	11.75	89.41	4.7	33.52	7.9	25.5	0.16
F36	05 Feb 2016	97	11.78	86.97	4.6	33.54	7.9	25.5	0.15
F36	05 Feb 2016	98	11.78	87.05	4.6	33.55	7.9	25.5	0.15
F36	05 Feb 2016	99	11.76	85.76	4.5	33.56	7.9	25.5	0.15
F36	05 Feb 2016	100	11.72	82.15	4.5	33.58	7.9	25.5	0.16
F36	05 Feb 2016	101	11.71	80.12	4.5	33.58	7.9	25.5	0.16

NA = not available

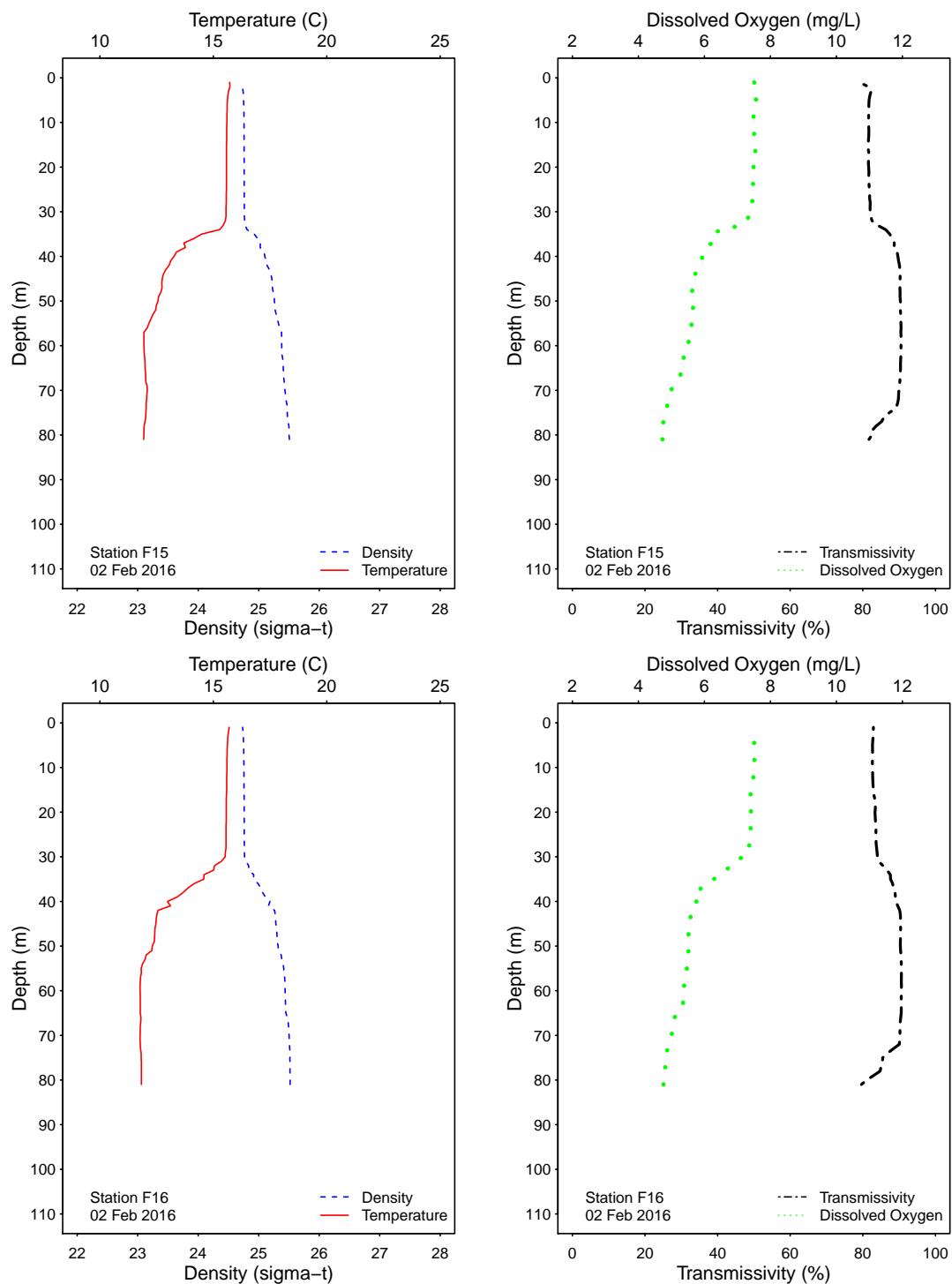


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

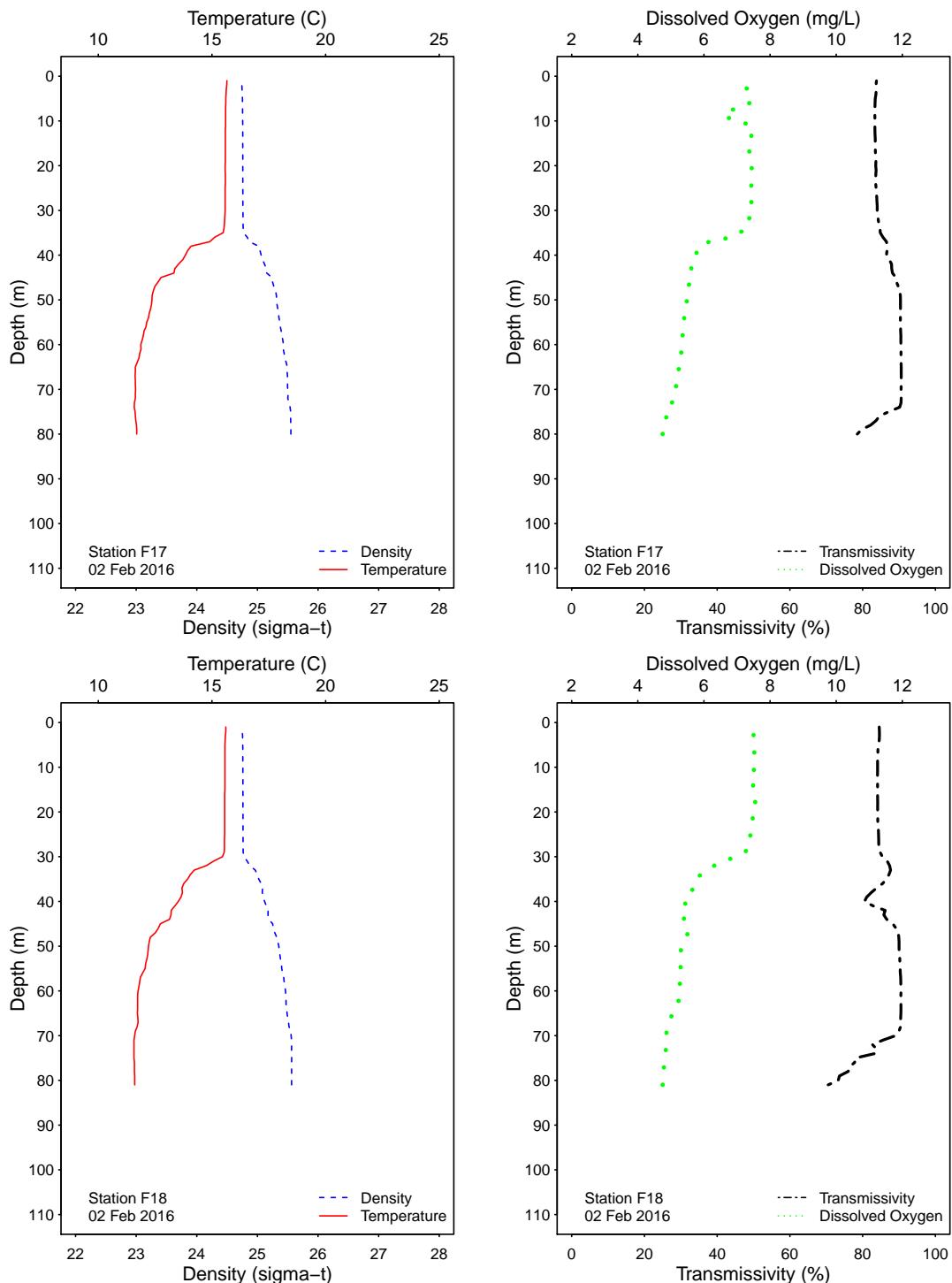


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

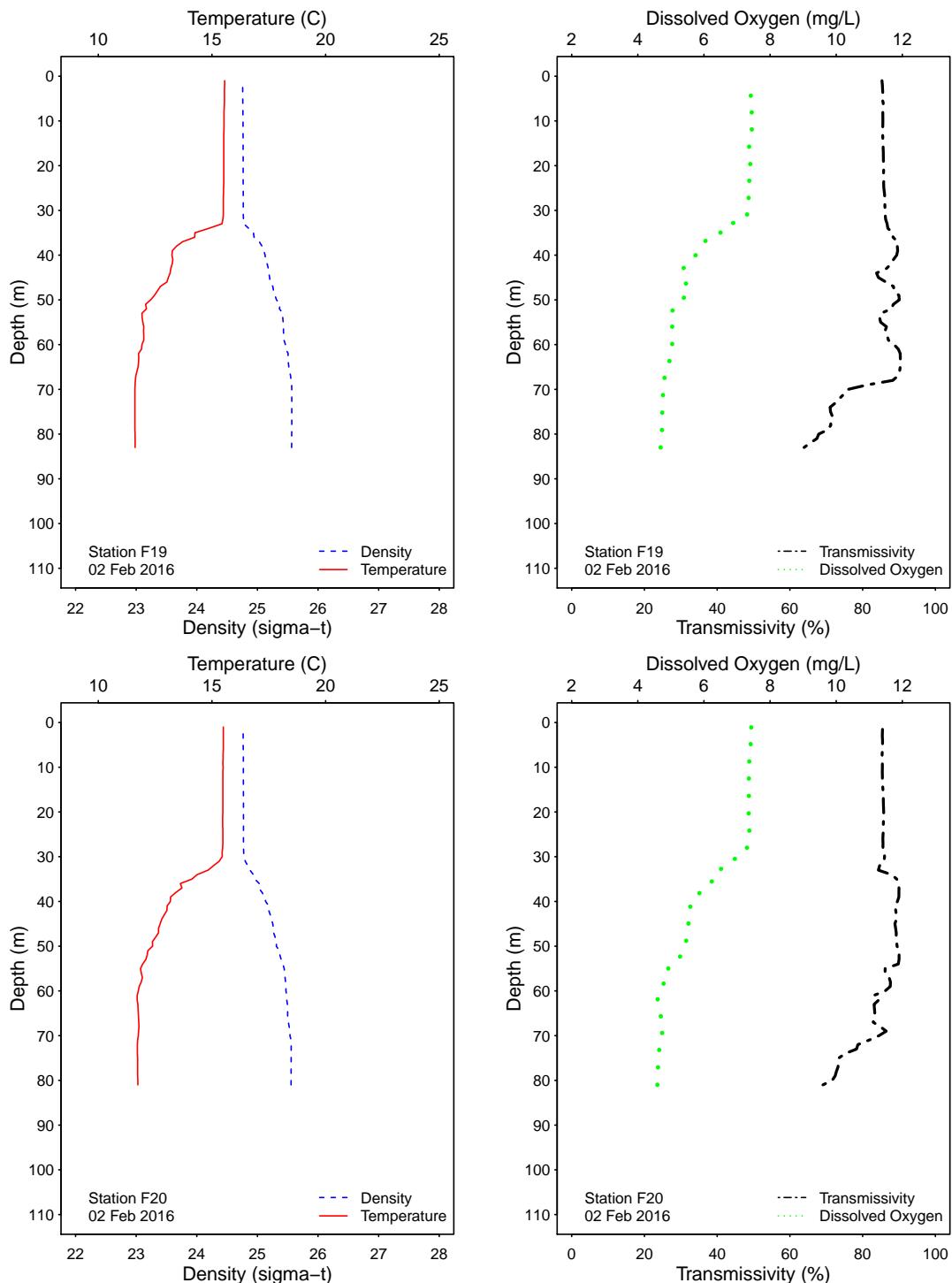


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

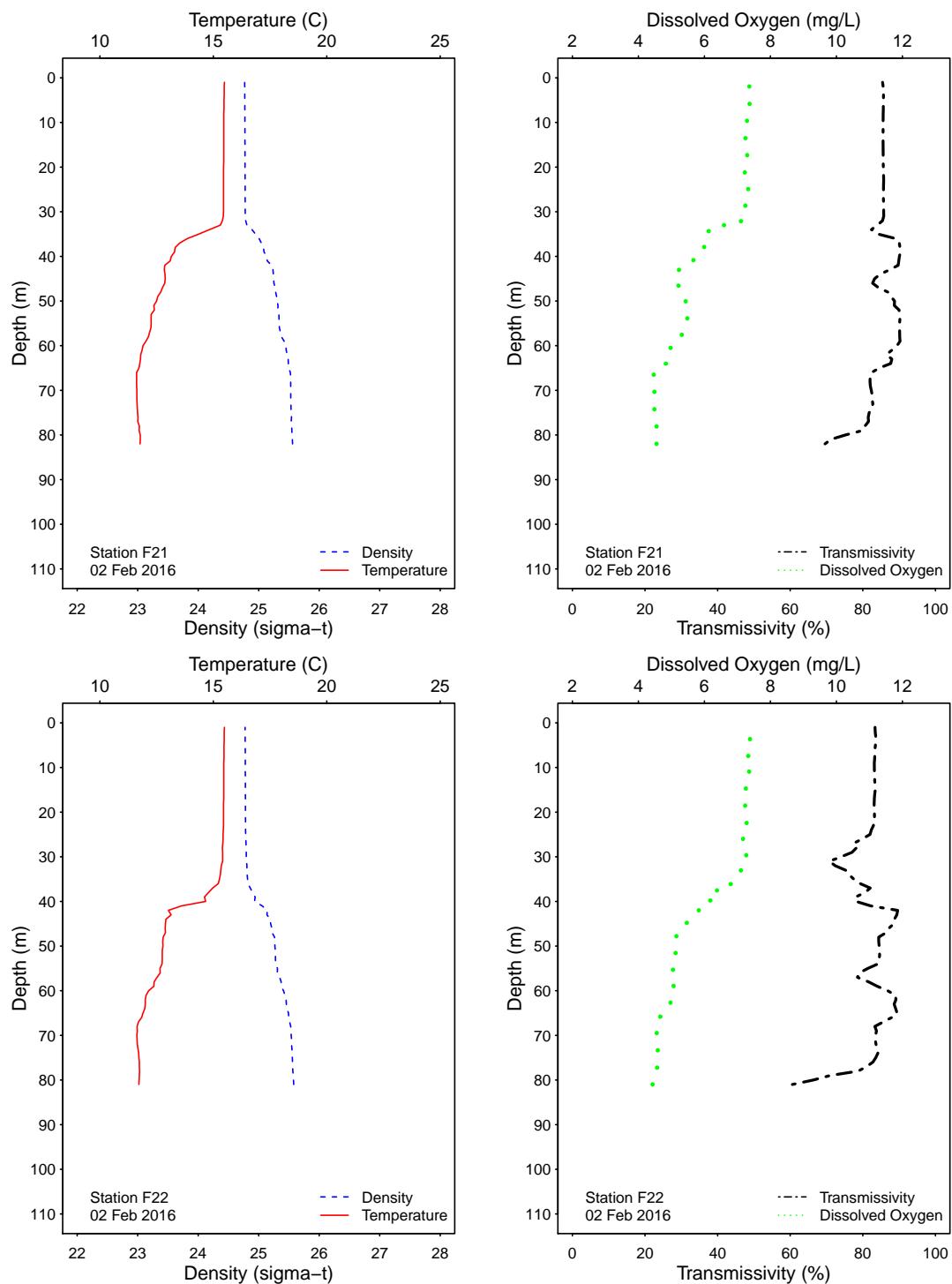


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

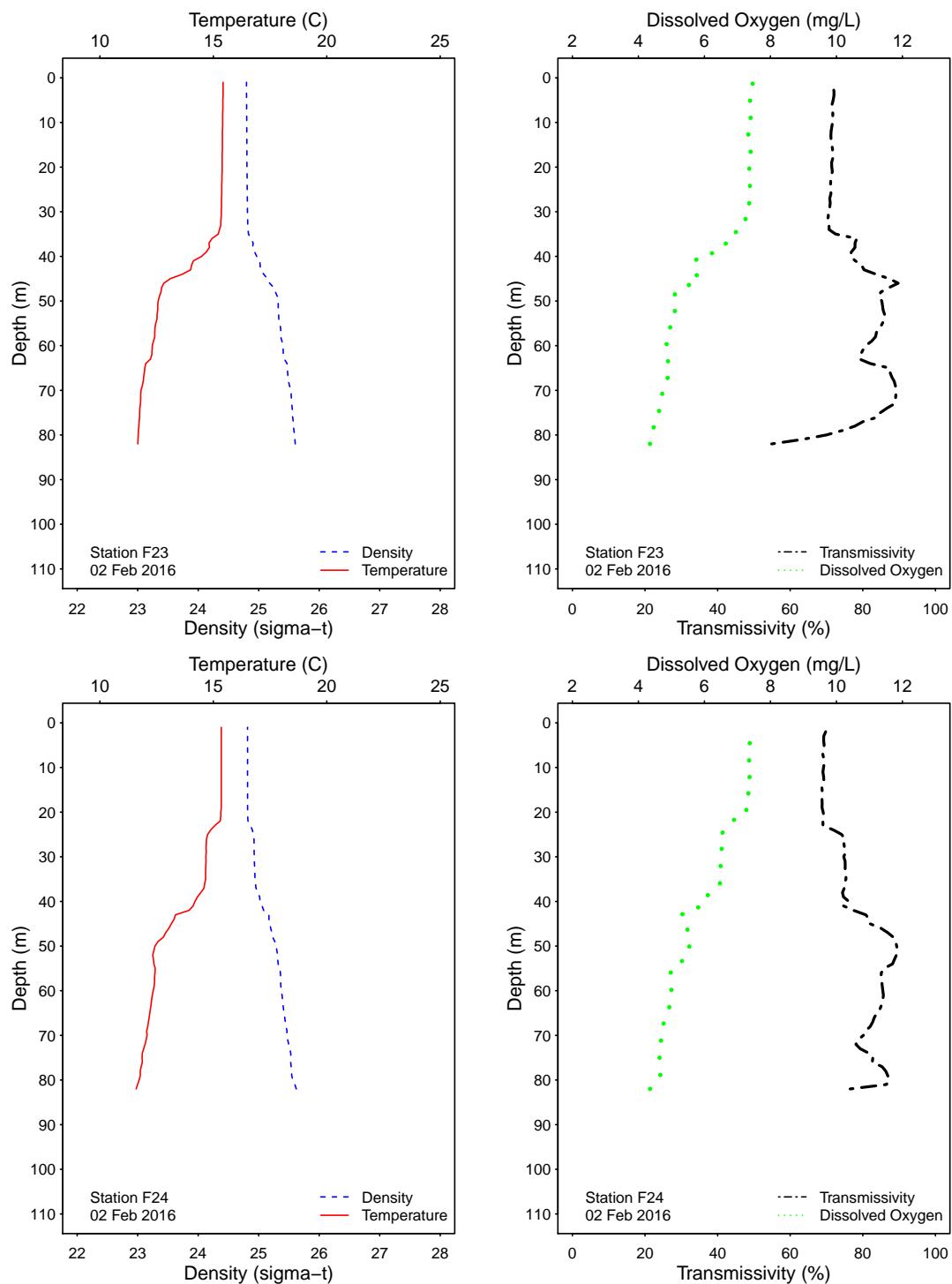


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

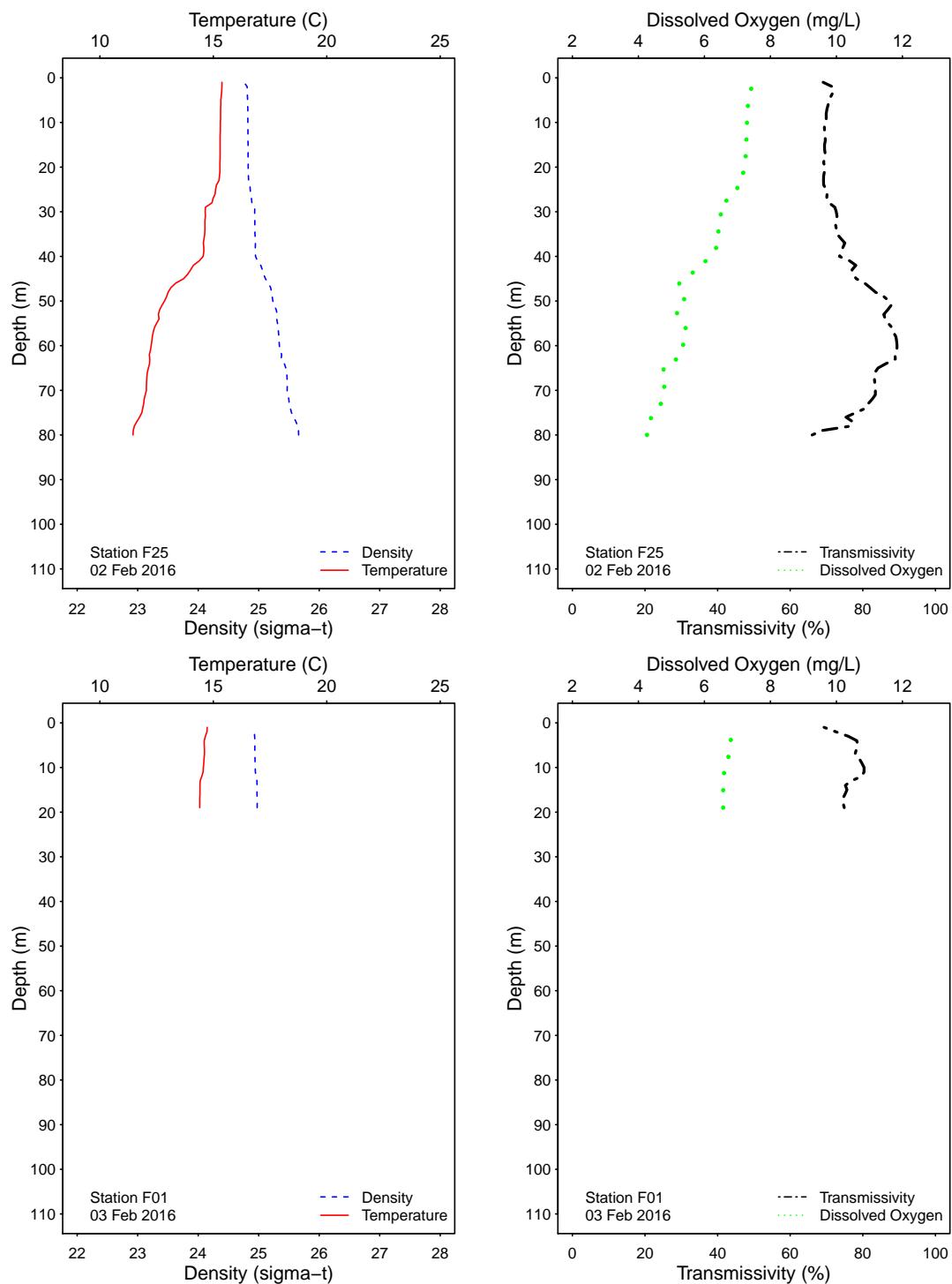


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

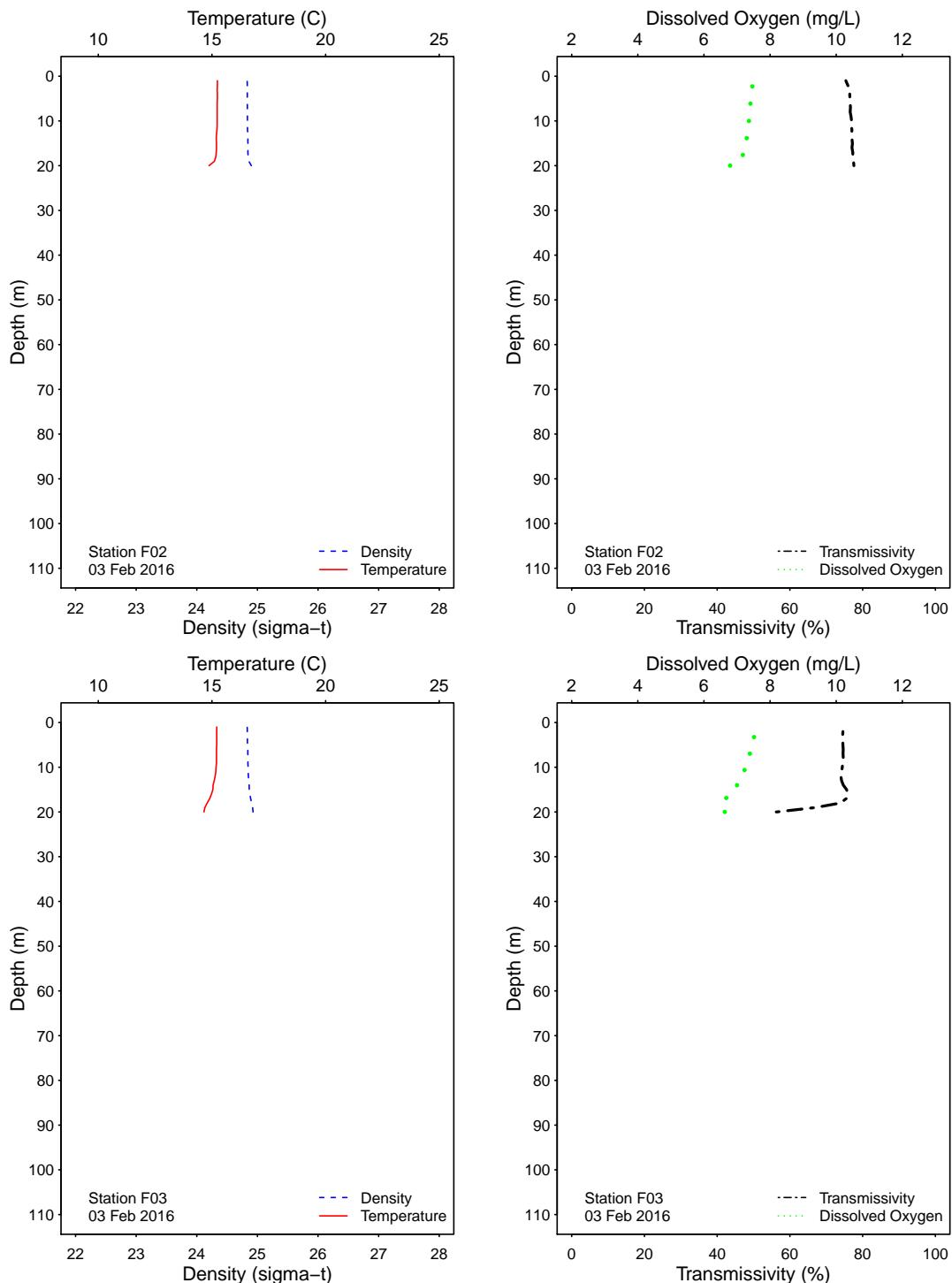


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

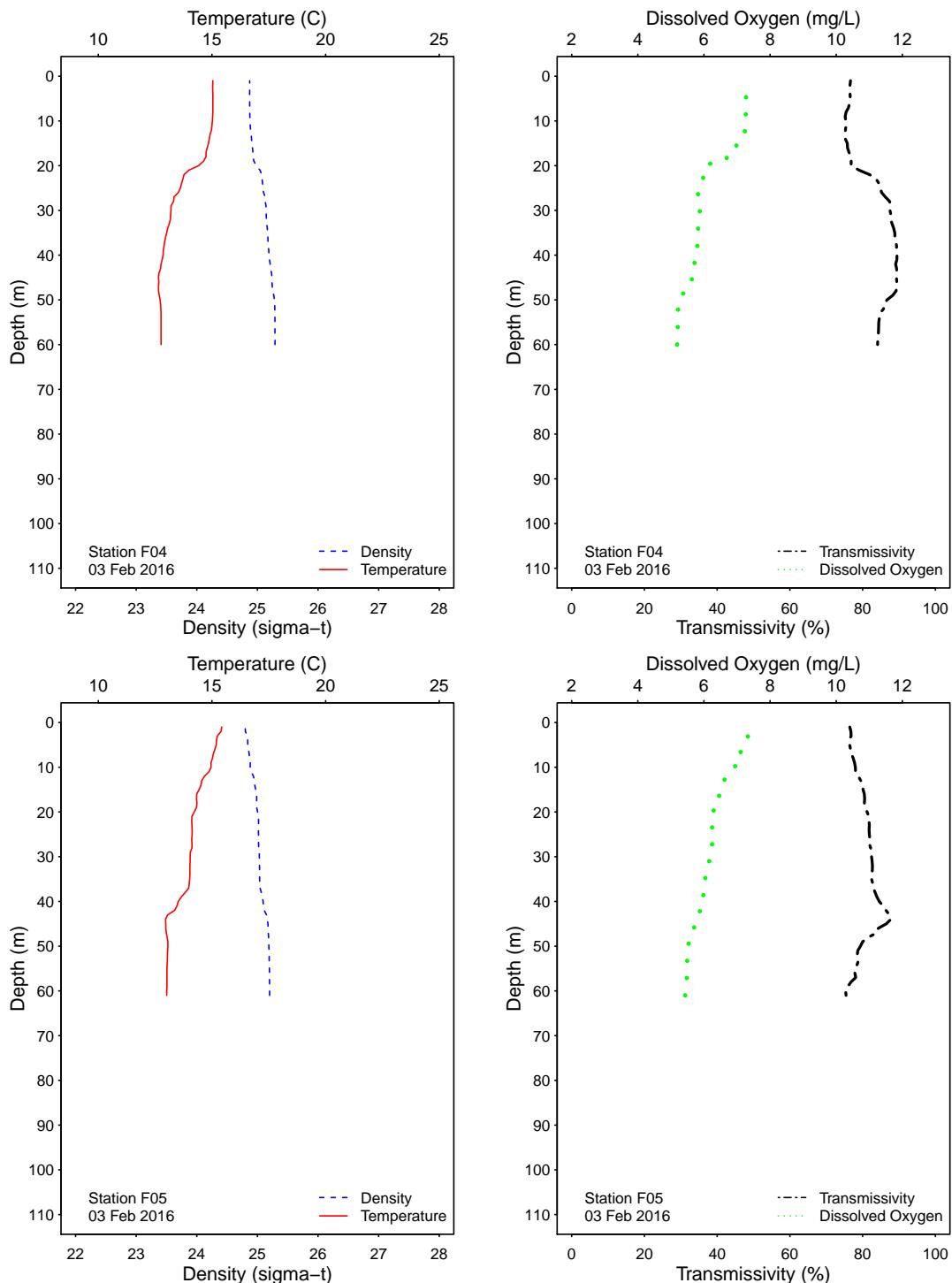


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

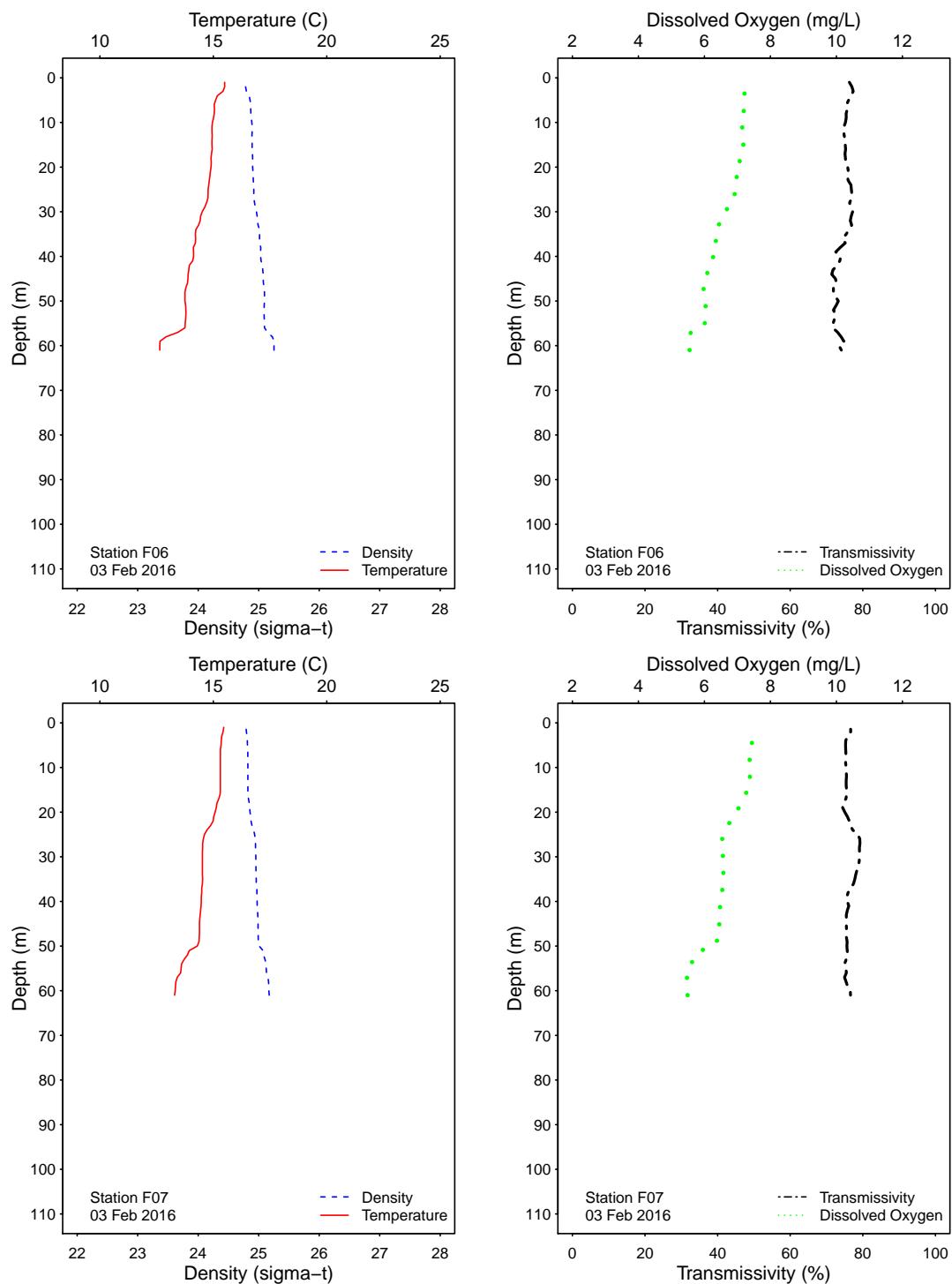


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

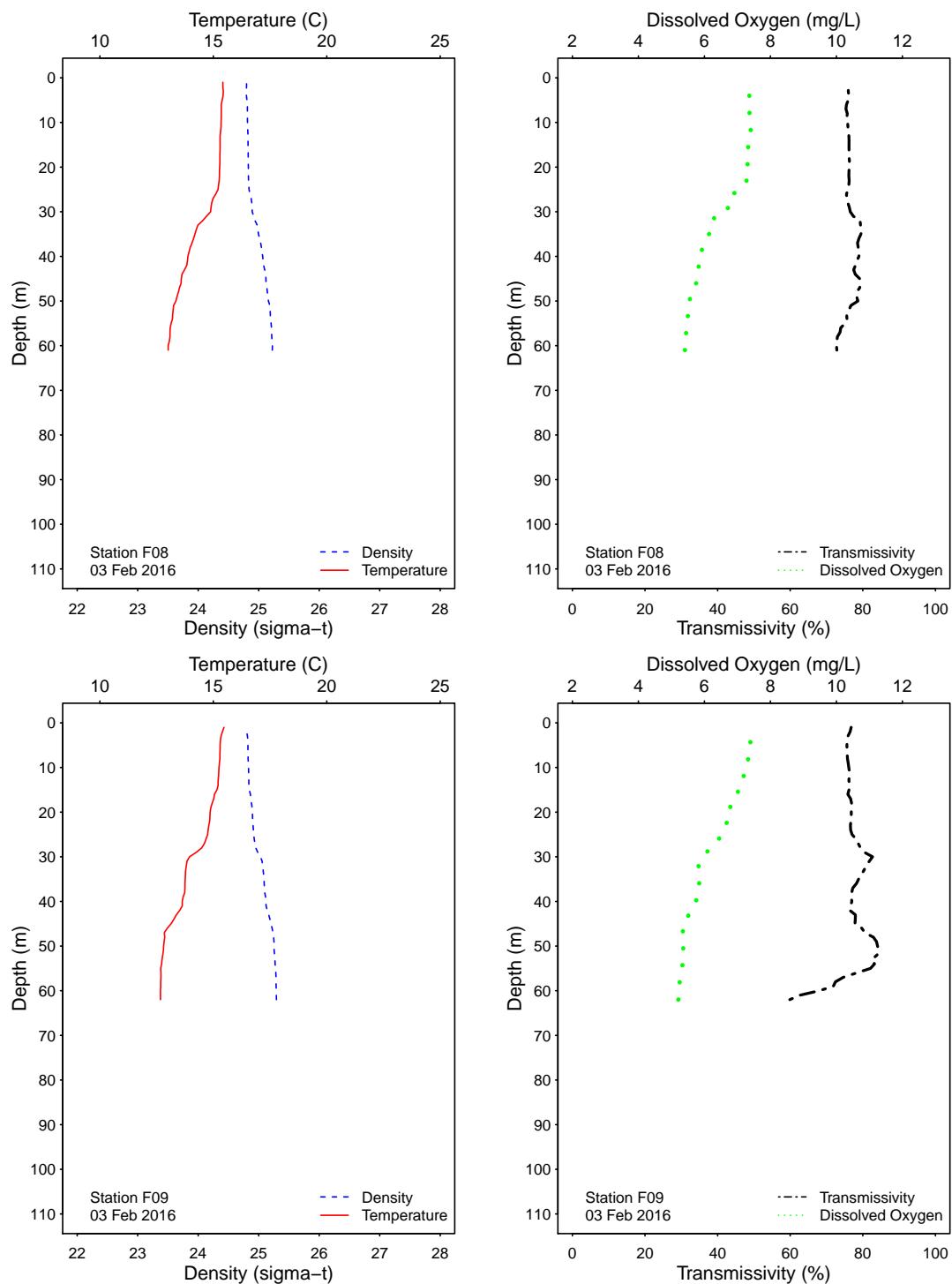


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

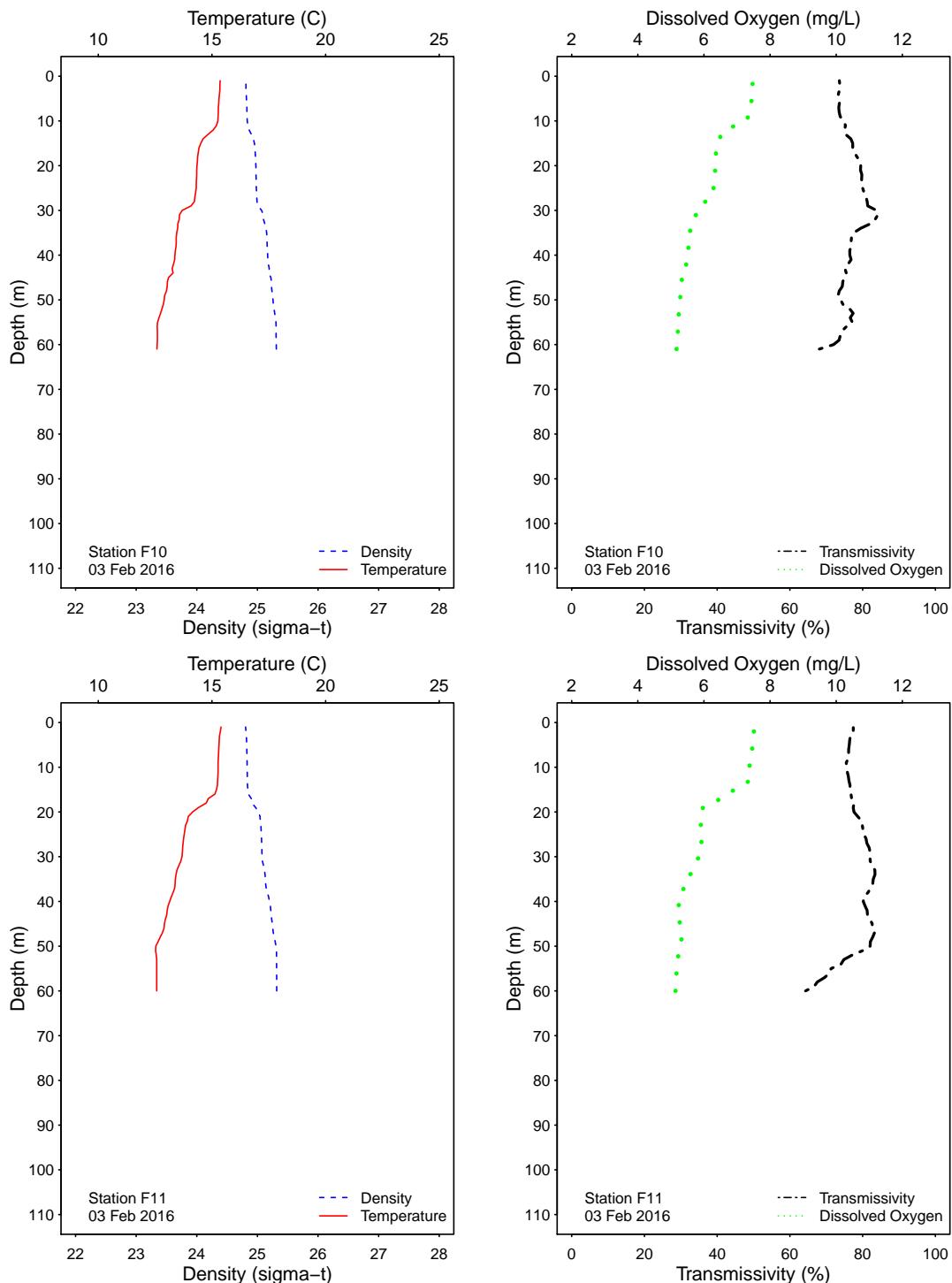


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

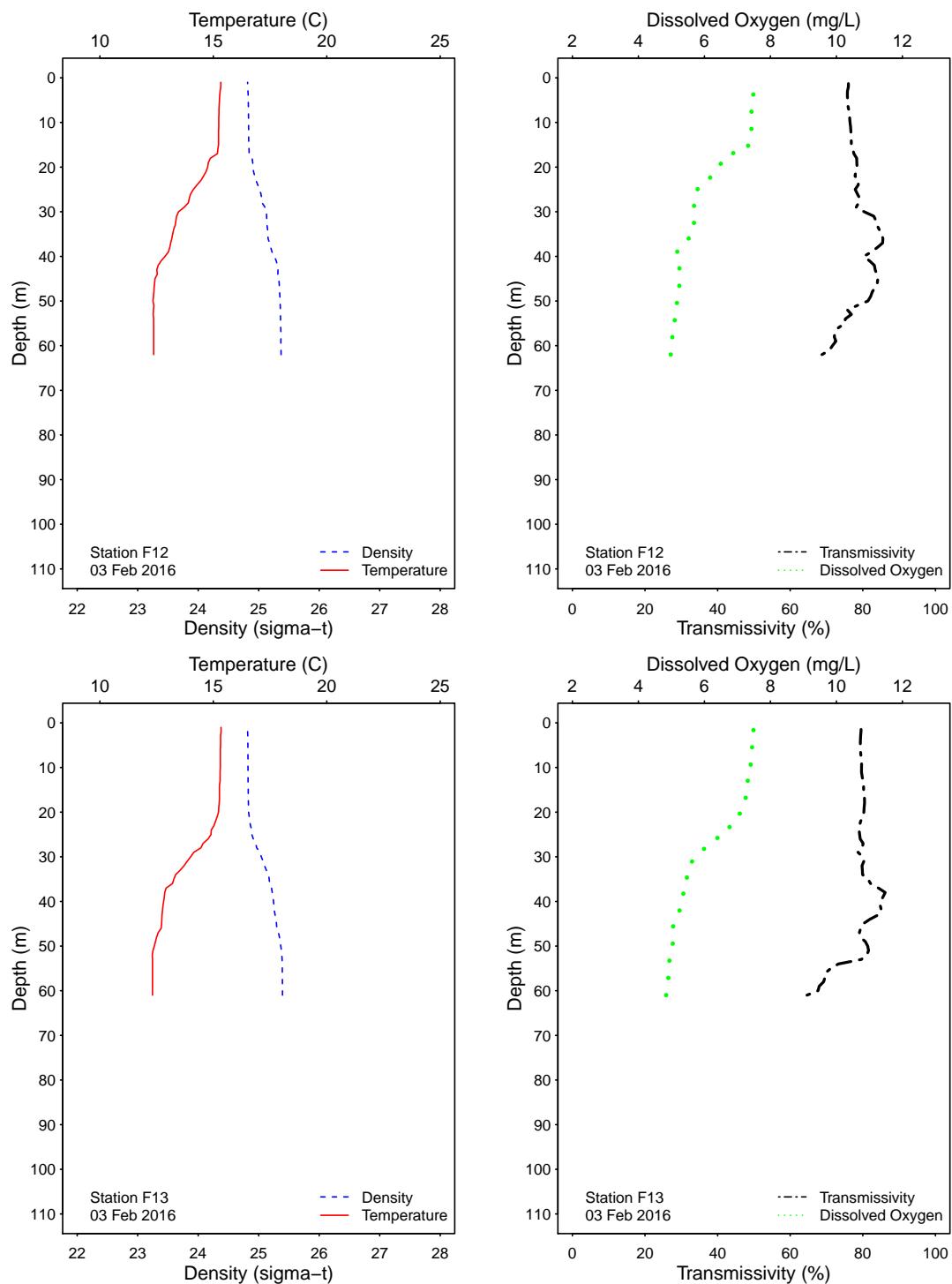


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

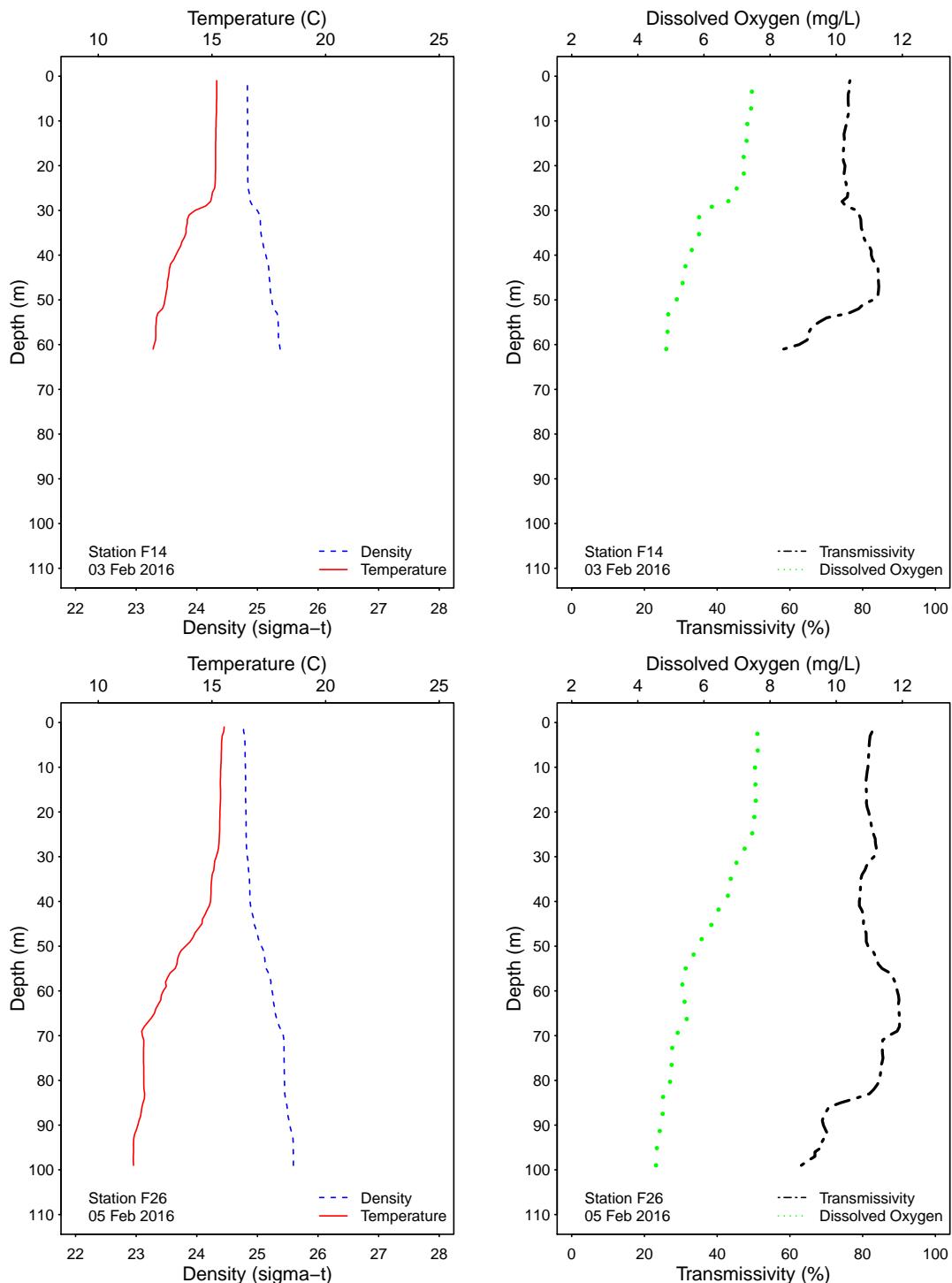


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

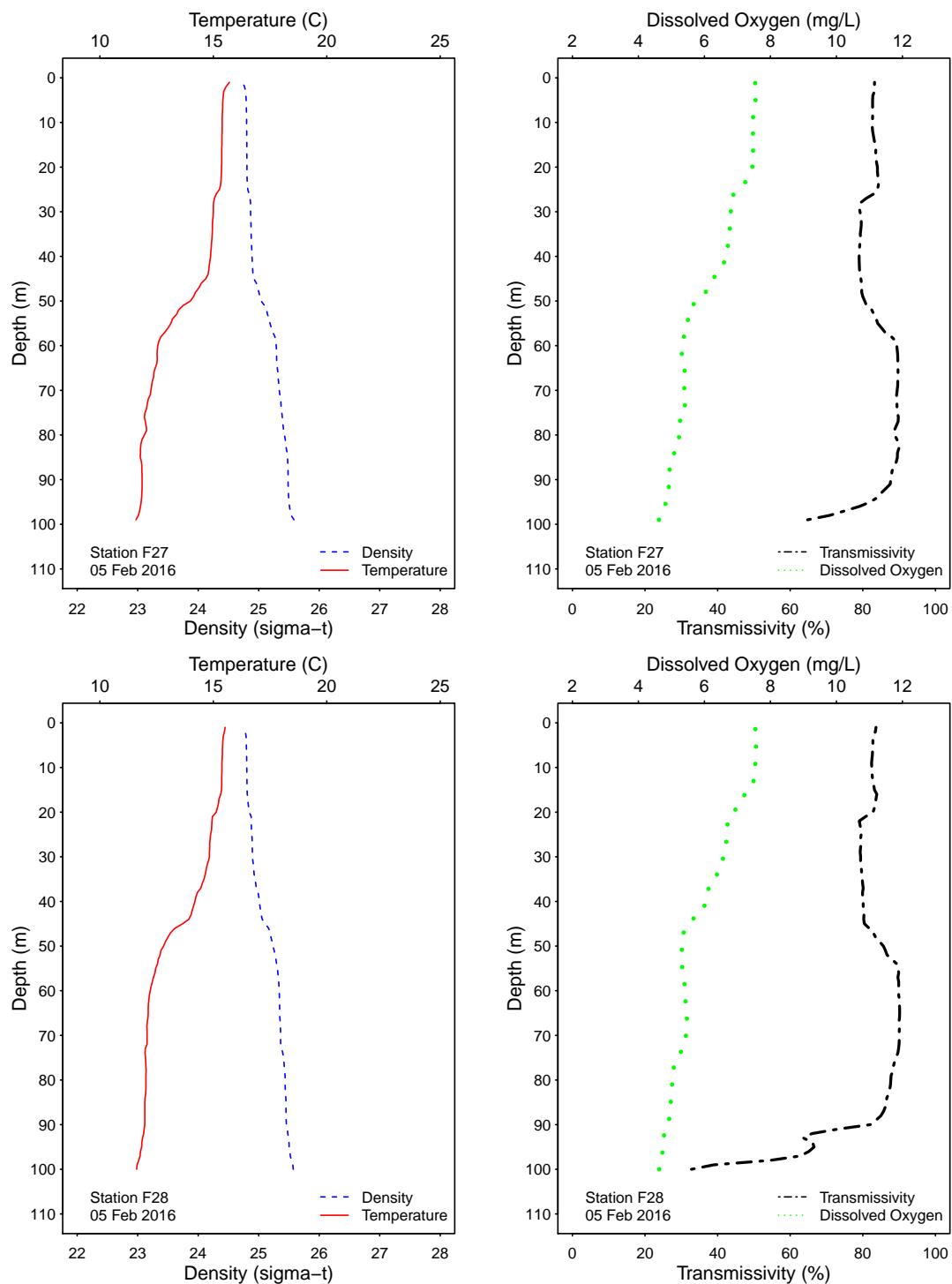


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

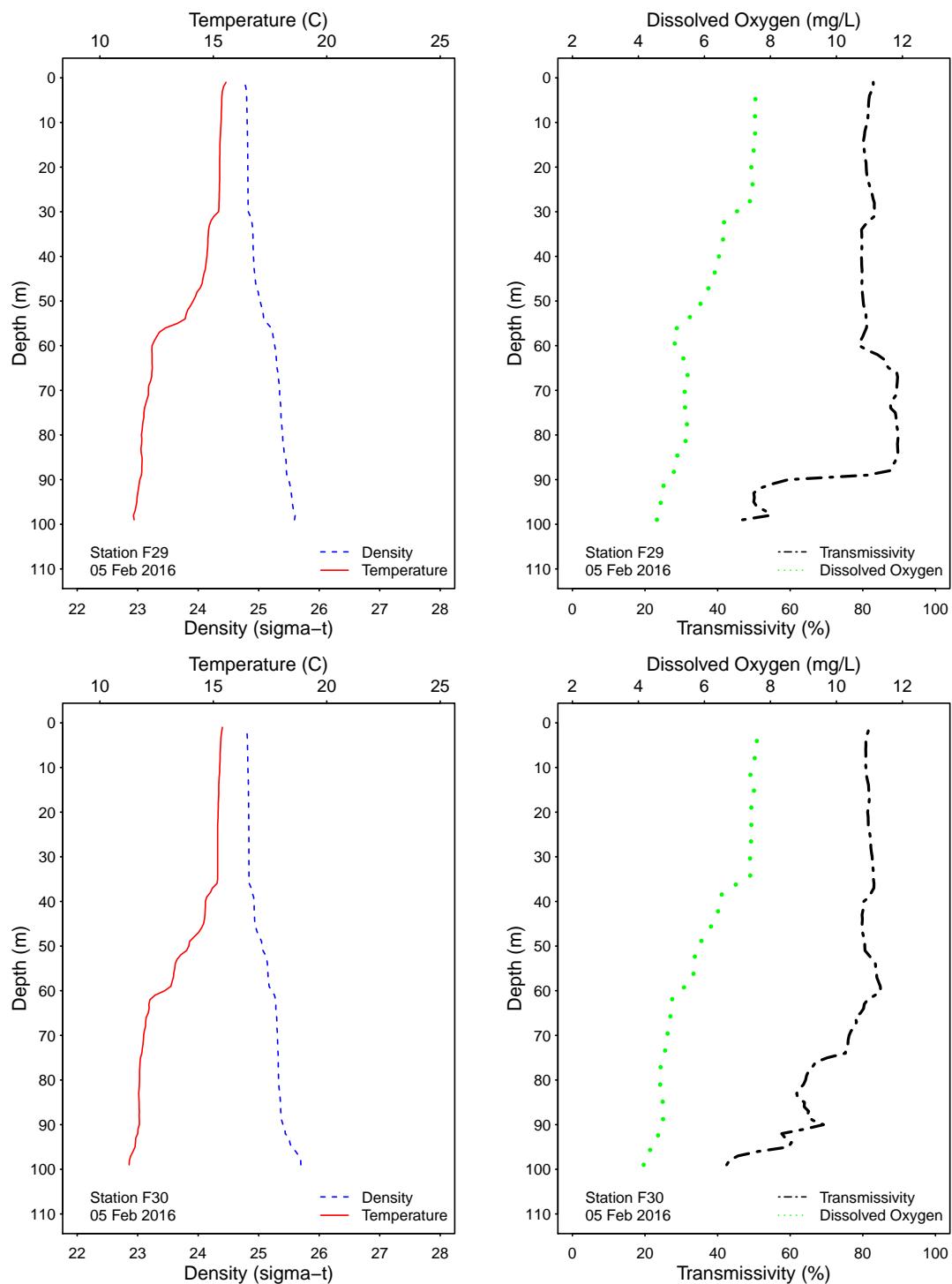


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

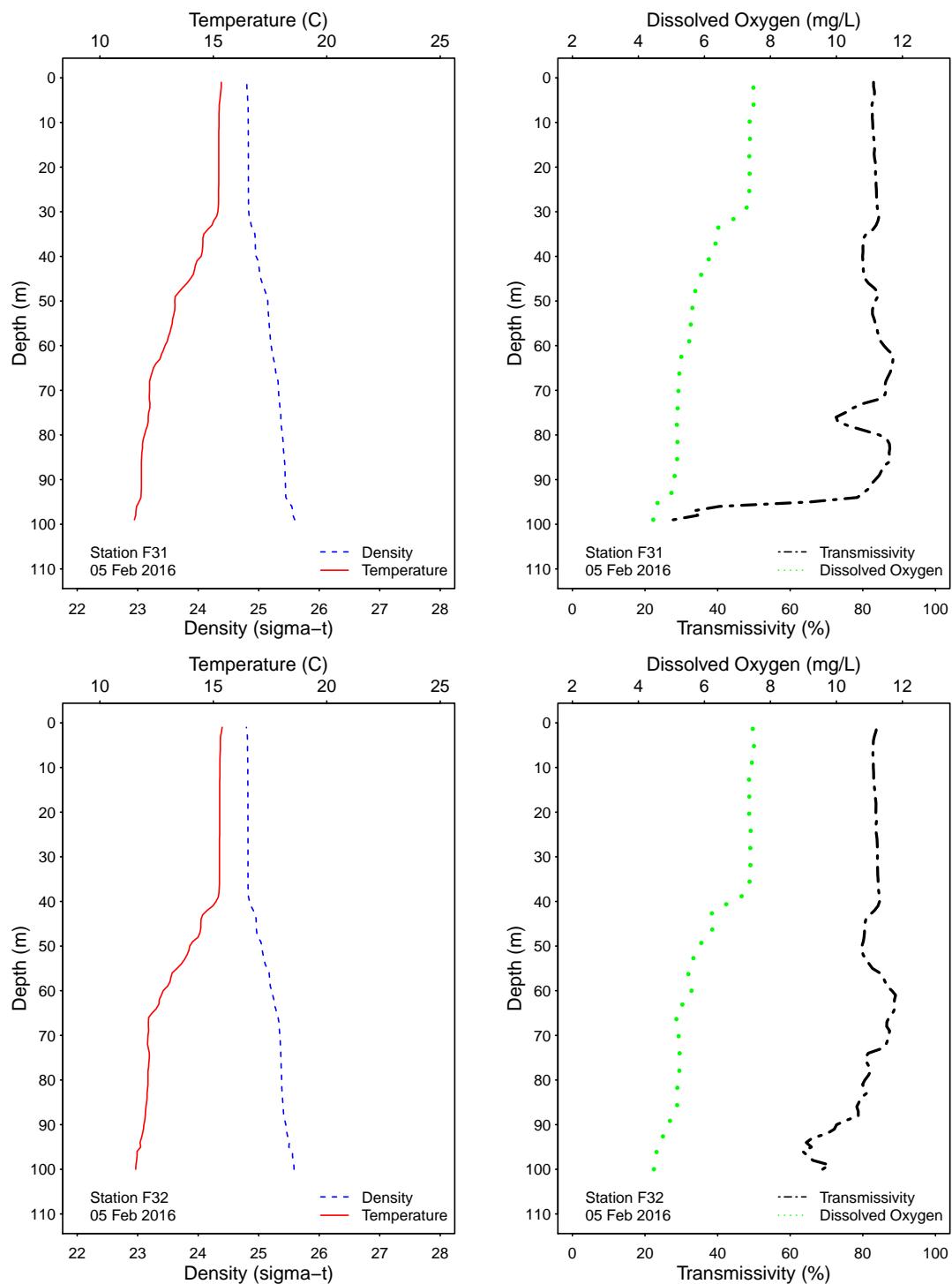


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

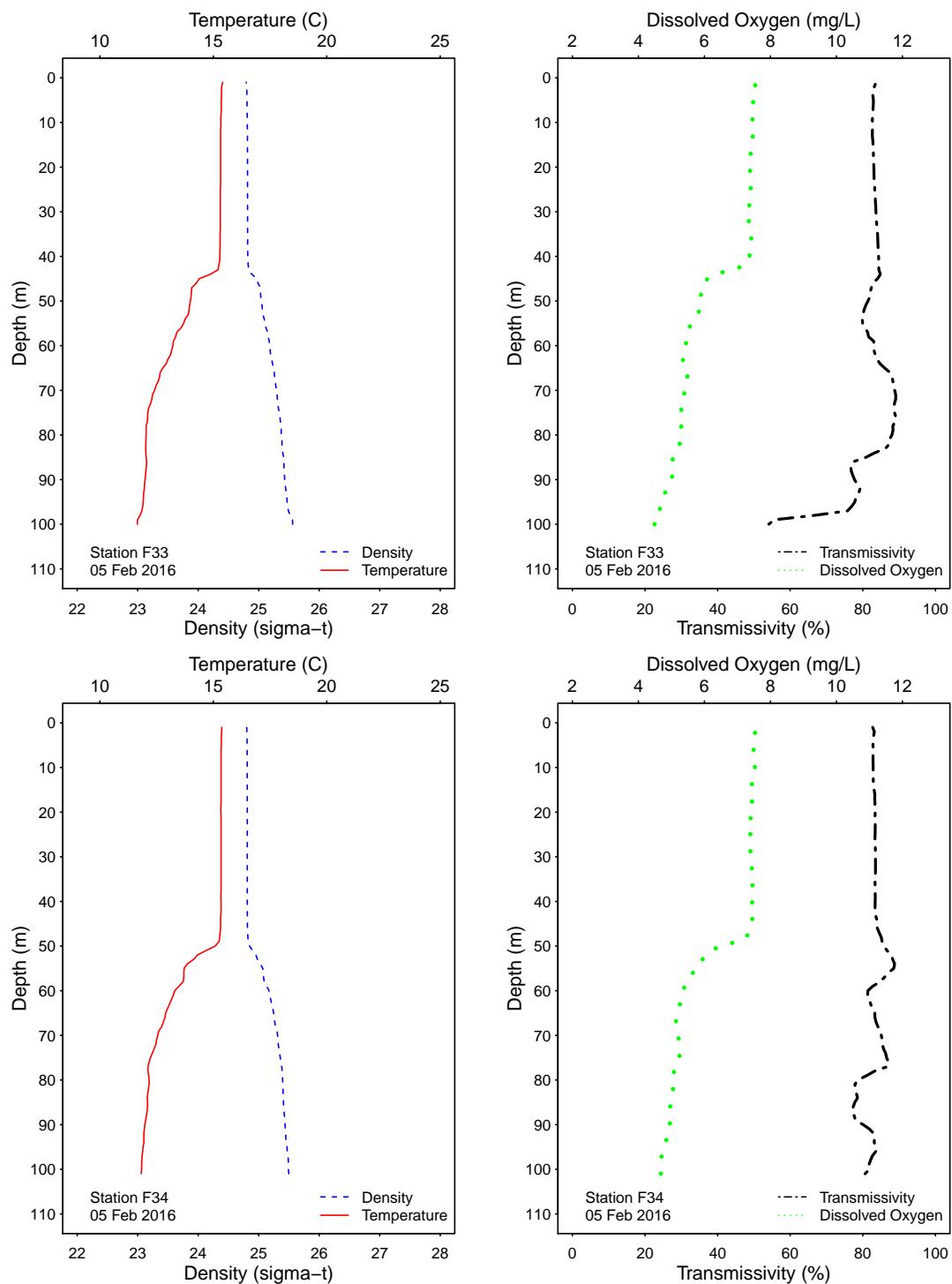


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

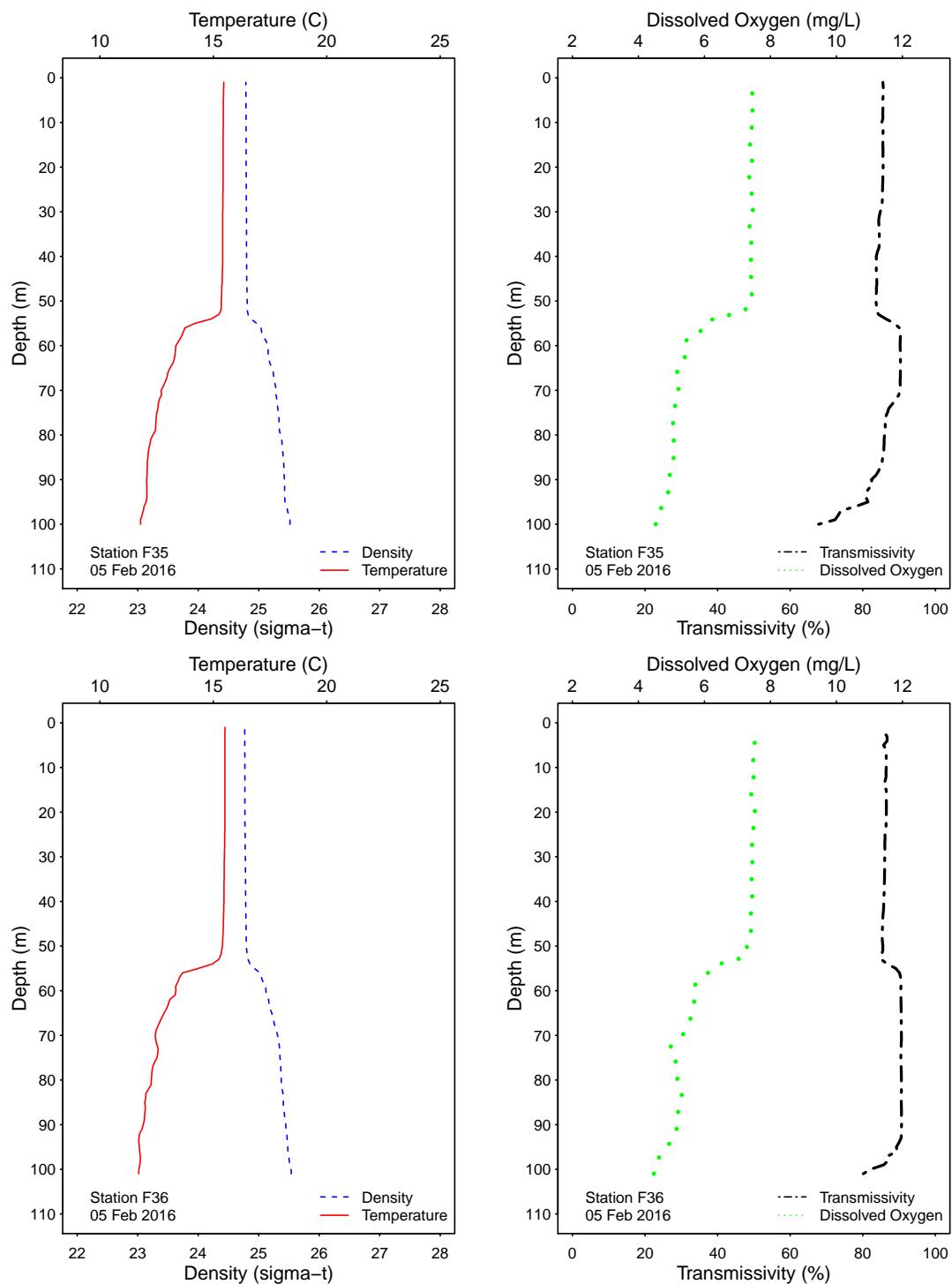


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	04 Feb 2016	18	LMA	LAB DUPLICATE	28e	2e	<2
A7	12 Feb 2016	18	SR	LAB DUPLICATE	<2	<2	<2
A7	20 Feb 2016	18	JT	LAB DUPLICATE	8e	2e	6e
A7	23 Feb 2016	18	JT	LAB DUPLICATE	880	84	14e
A7	29 Feb 2016	18	JT	LAB DUPLICATE	2e	<2	<2
C7	04 Feb 2016	18	SR	LAB DUPLICATE	6e	<2	<2
C7	12 Feb 2016	18	SR	LAB DUPLICATE	76	2e	2e
C7	20 Feb 2016	18	AR	LAB DUPLICATE	6e	2e	2e
C7	23 Feb 2016	18	JT	LAB DUPLICATE	22e	<2	2e
C7	29 Feb 2016	18	SR	LAB DUPLICATE	8e	<2	2e
C8	04 Feb 2016	12	JT	LAB DUPLICATE	50	4e	4e
C8	12 Feb 2016	12	SR	LAB DUPLICATE	18e	2e	<2
C8	20 Feb 2016	12	JT	LAB DUPLICATE	<2	<2	6e
C8	23 Feb 2016	12	JT	LAB DUPLICATE	2e	<2	<2
C8	29 Feb 2016	12	SR	LAB DUPLICATE	<2	<2	<2
D8	03 Feb 2016		AR	FIELD DUPLICATE	80e	<20	10e
D8	03 Feb 2016		AR	LAB DUPLICATE	80e	<20	6e
D8	09 Feb 2016		JT	FIELD DUPLICATE	40e	4e	540e
D8	09 Feb 2016		JT	LAB DUPLICATE	60e	2e	10000
D8	15 Feb 2016		LMA	FIELD DUPLICATE	2e	<2	<2
D8	15 Feb 2016		LMA	LAB DUPLICATE	2e	<2	<2
D8	21 Feb 2016		AR	FIELD DUPLICATE	<20	<2	<2
D8	21 Feb 2016		AR	LAB DUPLICATE	20e	<2	2e
D8	27 Feb 2016		ZV	FIELD DUPLICATE	<20	<2	<2
D8	27 Feb 2016		ZV	LAB DUPLICATE	<20	<2	<2
F01	03 Feb 2016	12	ZV	LAB DUPLICATE	ns	ns	<2
F02	03 Feb 2016	12	ZV	LAB DUPLICATE	ns	ns	<2
F07	03 Feb 2016	60	JT	LAB DUPLICATE	ns	ns	16e
F08	03 Feb 2016	60	JT	LAB DUPLICATE	ns	ns	4e
F11	03 Feb 2016	60	JT	LAB DUPLICATE	ns	ns	22e
F17	02 Feb 2016	80	AR	LAB DUPLICATE	ns	ns	<2
F18	02 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	<2
F19	02 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	56
F20	02 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	240e
F21	02 Feb 2016	80	AR	LAB DUPLICATE	ns	ns	120
F28	05 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	<2
F29	05 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	980
F30	05 Feb 2016	60	JT	LAB DUPLICATE	ns	ns	50
F31	05 Feb 2016	80	JT	LAB DUPLICATE	ns	ns	100
F32	05 Feb 2016	80	JT	LAB DUPLICATE	ns	ns	46
F34	05 Feb 2016	60	AR	LAB DUPLICATE	ns	ns	18e

ns = not sampled

ND = no data

