



Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall

(Point Loma Metropolitan Wastewater Treatment Plant)

NPDES Permit No. CA0107409

November 2015



City of San Diego
Ocean Monitoring Program
Public Utilities Department
Environmental Monitoring and Technical Services Division



THE CITY OF SAN DIEGO

December 31, 2015

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the November 2015 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 Public Utilities Director

TDS:asb

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

Environmental Monitoring and Technical Services Division • Public Utilities

2392 Kincaid Road • San Diego, CA 92101-0811

Tel (619) 758-2300 Fax (619) 758-2309



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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.

Van Dorn bottles are used to collect seawater samples from discrete depths at the kelp bed stations. The bottles are arrayed at the required depths and messenger-tripped in series. 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. However, it should be noted that the CTD measurements and bacteriological samples are taken from separate hydrocasts.

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 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:

^[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.

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

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

Single Sample Maximums:

- (1) Total coliform density shall not exceed 10,000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 400 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 104 CFU/100 mL;
- (4) Total coliform density shall not exceed 1,000 CFU/100 mL when the fecal coliform/total coliform ratio exceeds 0.1.

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2015 Quality Assurance Report, which will be completed in March 2016.

SUMMARY OF RESULTS

Shore Stations

- During November 2015, four of the eight shore stations were out of compliance with various water-contact standards specified in the Ocean Plan as follows:
 - o The single sample maximum (SSM) standard for *Enterococcus* was exceeded at stations D5, D8, D10 and D12 on November 25th.
 - o The geometric mean standard for *Enterococcus* was exceeded at station D12 on six days during the month.
- Per Ocean Plan 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>).
- Notable visual observations for November included a sewage-like odor at D8 on Nov 13.

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled five times during November (i.e. November 7, 12, 20, 24, 30).
- During November, each of the kelp bed stations was in compliance with all of the water-contact standards specified in the Ocean Plan for total coliform, fecal coliform, and *Enterococcus* bacteria.
- Water column temperatures ranged from 16.56 to 19.62°C during the month. The difference between surface and bottom waters ranged from 0 to 2.58°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.23 to 1.68 µg/L during November, suggesting the absence of phytoplankton blooms during the month.
- Ammonia (as nitrogen) values were <0.02 mg/L at all of the kelp bed stations during the month.
- Nothing of sewage origin was observed at any of the kelp bed stations.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on November 2, 5, and 6.
- All of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were in compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*.
- All but 2 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F17 and F30, which exceeded single sample maximum *Enterococcus* standards at one or more depths on November 5 and 6, respectively.
- During November, water column temperatures ranged from 12.7 to 21.44°C. The difference between surface and bottom waters ranged from 1.15 to 7.57°C, indicating that the water column was stratified during the month.
- Chlorophyll *a* concentrations ranged from 0.18 to 2.68 µg/L at the offshore stations during the month, suggesting the absence of phytoplankton blooms.
- CDOM data are available upon request.
- Ammonia (as nitrogen) values were ≤0.02 mg/L at the 15 stations located in State waters.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES

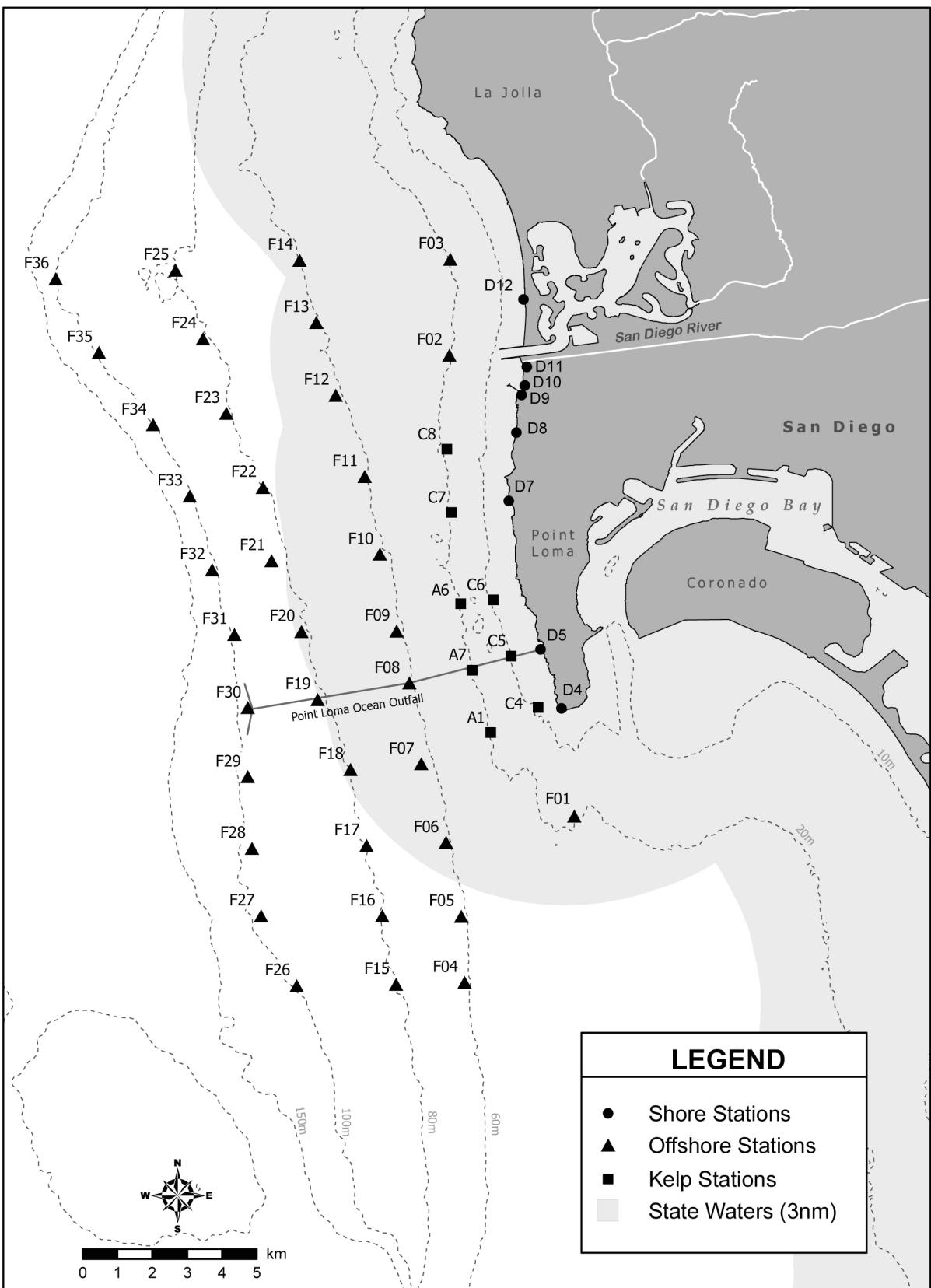


Figure 1.1 Station Map

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 Nov 2015	31	57	92	126	42	86	88	90
02 Nov 2015	31	57	92	126	42	86	88	90
03 Nov 2015	31	57	92	126	42	86	88	90
04 Nov 2015	31	57	92	126	42	86	88	90
05 Nov 2015	31	57	92	126	42	86	88	90
06 Nov 2015	31	57	92	126	42	86	88	90
07 Nov 2015	20	45	56	99	33	66	88	29
08 Nov 2015	20	45	56	99	33	66	88	29
09 Nov 2015	20	45	56	99	33	66	88	29
10 Nov 2015	20	45	56	99	33	66	88	29
11 Nov 2015	20	45	56	99	33	66	88	29
12 Nov 2015	20	45	56	99	33	66	88	29
13 Nov 2015	16	32	40	99	24	52	33	18
14 Nov 2015	16	32	40	99	24	52	36	18
15 Nov 2015	16	32	40	99	24	52	36	18
16 Nov 2015	16	32	40	99	24	52	36	18
17 Nov 2015	16	32	40	99	24	52	36	18
18 Nov 2015	16	32	40	99	24	52	36	18
19 Nov 2015	13	32	40	99	23	52	36	18
20 Nov 2015	13	32	40	99	23	52	36	18
21 Nov 2015	13	32	40	99	23	52	36	18
22 Nov 2015	13	32	40	99	23	52	36	18
23 Nov 2015	13	32	40	99	23	52	36	18
24 Nov 2015	13	32	40	99	23	52	36	18
25 Nov 2015	14	36	32	137	23	52	30	16
26 Nov 2015	14	36	32	137	23	52	30	16
27 Nov 2015	14	32	32	99	23	52	30	16
28 Nov 2015	14	32	32	99	23	52	30	16
29 Nov 2015	14	32	32	99	23	52	30	16
30 Nov 2015	14	32	32	99	23	52	30	16

* 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 Nov 2015	2	6	8	29	3	14	12	9
02 Nov 2015	2	6	8	29	3	14	12	9
03 Nov 2015	2	6	8	29	3	14	12	9
04 Nov 2015	2	6	8	29	3	14	12	9
05 Nov 2015	2	6	8	29	3	14	12	9
06 Nov 2015	2	6	8	29	3	14	12	9
07 Nov 2015	2	6	11	18	3	16	14	5
08 Nov 2015	2	6	11	18	3	16	14	5
09 Nov 2015	2	6	11	18	3	16	14	5
10 Nov 2015	2	6	11	18	3	16	14	5
11 Nov 2015	2	6	11	18	3	16	14	5
12 Nov 2015	2	6	11	18	3	16	14	5
13 Nov 2015	2	3	10	28	3	13	5	5
14 Nov 2015	2	3	10	28	3	13	6	5
15 Nov 2015	2	3	10	28	3	13	6	5
16 Nov 2015	2	3	10	28	3	13	6	5
17 Nov 2015	2	3	10	28	3	13	6	5
18 Nov 2015	2	3	10	28	3	13	6	5
19 Nov 2015	2	3	10	23	2	16	7	5
20 Nov 2015	2	3	10	23	2	16	7	5
21 Nov 2015	2	3	10	23	2	16	7	5
22 Nov 2015	2	3	10	23	2	16	7	5
23 Nov 2015	2	3	10	23	2	16	7	5
24 Nov 2015	2	3	10	23	2	16	7	5
25 Nov 2015	2	3	18	30	3	13	10	6
26 Nov 2015	2	3	18	30	3	13	10	6
27 Nov 2015	2	3	18	27	3	13	10	6
28 Nov 2015	2	3	18	27	3	13	10	6
29 Nov 2015	2	3	18	27	3	13	10	6
30 Nov 2015	2	3	18	27	3	13	10	6

* 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 Nov 2015	2	13	4	32	5	25	10	39
02 Nov 2015	2	13	4	32	5	25	10	39
03 Nov 2015	2	13	4	32	5	25	10	39
04 Nov 2015	2	13	4	32	5	25	10	39
05 Nov 2015	2	13	4	32	5	25	10	39
06 Nov 2015	2	13	4	32	5	25	10	39
07 Nov 2015	2	9	3	16	5	20	9	25
08 Nov 2015	2	9	3	12	5	20	9	25
09 Nov 2015	2	9	3	12	5	20	9	25
10 Nov 2015	2	9	3	12	5	20	9	25
11 Nov 2015	2	9	3	12	5	20	9	25
12 Nov 2015	2	9	3	12	5	20	9	25
13 Nov 2015	3	4	2	17	3	14	6	18
14 Nov 2015	3	3	2	17	3	12	6	19
15 Nov 2015	3	3	2	17	3	12	6	19
16 Nov 2015	3	3	2	17	3	12	6	19
17 Nov 2015	3	3	2	17	3	12	6	19
18 Nov 2015	3	3	2	17	3	12	6	19
19 Nov 2015	3	3	2	17	3	13	6	19
20 Nov 2015	3	3	2	17	3	13	6	19
21 Nov 2015	3	3	2	17	3	13	6	19
22 Nov 2015	3	3	2	17	3	13	6	19
23 Nov 2015	3	3	2	17	3	13	6	19
24 Nov 2015	3	3	2	17	3	13	6	19
25 Nov 2015	4	8	4	30	3	12	6	17
26 Nov 2015	4	8	4	30	3	12	6	17
27 Nov 2015	4	6	4	28	3	10	6	13
28 Nov 2015	4	6	4	28	3	10	6	7
29 Nov 2015	4	6	4	28	3	10	6	9
30 Nov 2015	4	6	4	28	3	10	6	9

* 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
01 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
07 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
19 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Nov 2015	IC	ns	IC	IC	IC	IC	IC	IC
27 Nov 2015	ns	IC	ns	IC	ns	ns	ns	ns

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
01 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
07 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
19 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
27 Nov 2015	ns	ns	ns	IC	ns	ns	ns	ns

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
01 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
07 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
19 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Nov 2015	IC	E	IC	E	IC	E	IC	E
27 Nov 2015	ns	IC	ns	IC	ns	IC	ns	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
01 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
07 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
13 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
19 Nov 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Nov 2015	IC	ns	IC	IC	IC	IC	IC	IC
27 Nov 2015	ns	ns	ns	IC	ns	ns	ns	ns

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	01 Nov 2015	1001	<200	2e	<2	0.01
D4	07 Nov 2015	943	<2	<2	2e	1.00
D4	13 Nov 2015	809	<20	2e	4e	0.10
D4	19 Nov 2015	1051	<2	2e	<2	1.00
D4	25 Nov 2015	804	40e	4e	34e	0.10
D5	01 Nov 2015	1016	<200	<2	<2	0.01
D5	07 Nov 2015	925	20e	10e	2e	0.50
D5	13 Nov 2015	756	<20	<2	<2	0.10
D5	19 Nov 2015	1119	<20	<2	<2	0.10
D5	25 Nov 2015	832	ns	6e	1700e	ns
D5	27 Nov 2015	723	<20	ns	2e	ns
D7	01 Nov 2015	929	280e	180e	2e	0.64
D7	07 Nov 2015	1001	16e	8e	2e	0.50
D7	13 Nov 2015	851	20e	14e	<2	0.70
D7	19 Nov 2015	1026	<20	<2	<2	0.10
D7	25 Nov 2015	745	<20	44	90	2.20
D8	01 Nov 2015	916	<200	36e	8e	0.18
D8	07 Nov 2015	1014	60e	6e	40e	0.10
D8	13 Nov 2015	905	200e	100e	34e	0.50
D8	19 Nov 2015	1011	<20	4e	4e	0.20
D8	25 Nov 2015	901	1000e	260e	520	0.26
D8	27 Nov 2015	750	<20	16e	20e	0.80
D9	01 Nov 2015	900	200e	<2	<2	0.01
D9	07 Nov 2015	1025	20e	<2	<2	0.10
D9	13 Nov 2015	914	4e	<2	2e	0.50
D9	19 Nov 2015	950	<20	<2	<2	0.10
D9	25 Nov 2015	723	20e	26e	32e	1.30
D10	01 Nov 2015	847	20e	<20	<2	1.00
D10	07 Nov 2015	1038	80e	8e	<2	0.10
D10	13 Nov 2015	923	60e	12e	16e	0.20
D10	19 Nov 2015	933	<20	6e	4e	0.30
D10	25 Nov 2015	713	<200	28e	140e	0.14
D10	27 Nov 2015	807	ns	ns	22e	ns
D11	01 Nov 2015	835	20e	<20	<2	1.00
D11	07 Nov 2015	1054	20e	10e	4e	0.50
D11	13 Nov 2015	936	40e	4e	4e	0.10
D11	19 Nov 2015	920	<20	4e	<2	0.20
D11	25 Nov 2015	705	80e	32e	80	0.40
D12	01 Nov 2015	808	<20	<2	<2	0.10
D12	07 Nov 2015	1116	2e	<2	2e	1.00
D12	13 Nov 2015	958	60e	16e	14e	0.27
D12	19 Nov 2015	856	<2	<2	<2	1.00

Station	Date	Time	Total	Fecal	Enter	F:T
D12	25 Nov 2015	646	<200	84	160e	0.42
D12	27 Nov 2015	837	ns	ns	24e	ns

ns = not sampled

Comments

Station	Date	Depth	Parameter	Comments
D10	27 Nov 2015			Resample
D12	27 Nov 2015			Resample
D5	27 Nov 2015			Resample
D8	27 Nov 2015			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	01 Nov 2015	Arrive Time	1001
D4	01 Nov 2015	Weather	Sunny
D4	01 Nov 2015	Wind Speed (kts)	1
D4	01 Nov 2015	Wind Dir	W
D4	01 Nov 2015	Animal Life	None
D4	01 Nov 2015	Floatables	None
D4	01 Nov 2015	Water Color	Green
D4	01 Nov 2015	Current Direction	W
D4	01 Nov 2015	Wave Height Low (ft)	3
D4	01 Nov 2015	High Tide (ft)	5
D4	01 Nov 2015	High Tide Time	1159
D4	01 Nov 2015	Low Tide (ft)	2.6
D4	01 Nov 2015	Low Tide Time	601
D4	01 Nov 2015	Comments	Kelp; Seagrass; Algae; Water clear
D4	07 Nov 2015	Arrive Time	943
D4	07 Nov 2015	Weather	Sunny
D4	07 Nov 2015	Wind Speed (kts)	2.4
D4	07 Nov 2015	Wind Dir	SW
D4	07 Nov 2015	Animal Life	None
D4	07 Nov 2015	Floatables	None
D4	07 Nov 2015	Water Color	Green
D4	07 Nov 2015	Current Direction	SW
D4	07 Nov 2015	Wave Height Low (ft)	1
D4	07 Nov 2015	High Tide (ft)	5.1
D4	07 Nov 2015	High Tide Time	623
D4	07 Nov 2015	Low Tide (ft)	0.9
D4	07 Nov 2015	Low Tide Time	1252
D4	07 Nov 2015	Comments	Kelp; Seagrass; 1 Boat; Water clear
D4	13 Nov 2015	Arrive Time	809
D4	13 Nov 2015	Weather	Sunny
D4	13 Nov 2015	Wind Speed (kts)	0.7
D4	13 Nov 2015	Wind Dir	SW
D4	13 Nov 2015	Animal Life	None
D4	13 Nov 2015	Floatables	None
D4	13 Nov 2015	Water Color	Green
D4	13 Nov 2015	Current Direction	S
D4	13 Nov 2015	Wave Height Low (ft)	2
D4	13 Nov 2015	High Tide (ft)	5.8
D4	13 Nov 2015	High Tide Time	859
D4	13 Nov 2015	Low Tide (ft)	1.9
D4	13 Nov 2015	Low Tide Time	252
D4	13 Nov 2015	Comments	Kelp; Seagrass; Water clear
D4	19 Nov 2015	Arrive Time	1051
D4	19 Nov 2015	Weather	Sunny
D4	19 Nov 2015	Wind Speed (kts)	3
D4	19 Nov 2015	Wind Dir	E
D4	19 Nov 2015	Animal Life	None
D4	19 Nov 2015	Floatables	None

Station	Date	Parameter	Value
D4	19 Nov 2015	Water Color	Green
D4	19 Nov 2015	Current Direction	E
D4	19 Nov 2015	Wave Height Low (ft)	3
D4	19 Nov 2015	High Tide (ft)	4.1
D4	19 Nov 2015	High Tide Time	1452
D4	19 Nov 2015	Low Tide (ft)	2.4
D4	19 Nov 2015	Low Tide Time	925
D4	19 Nov 2015	Comments	Seagrass; Water clear
D4	25 Nov 2015	Arrive Time	804
D4	25 Nov 2015	Weather	Cloudy
D4	25 Nov 2015	Wind Speed (kts)	4.6
D4	25 Nov 2015	Wind Dir	W
D4	25 Nov 2015	Animal Life	None
D4	25 Nov 2015	Floatables	None
D4	25 Nov 2015	Water Color	Green
D4	25 Nov 2015	Current Direction	W
D4	25 Nov 2015	Wave Height Low (ft)	4
D4	25 Nov 2015	High Tide (ft)	6.8
D4	25 Nov 2015	High Tide Time	747
D4	25 Nov 2015	Low Tide (ft)	1
D4	25 Nov 2015	Low Tide Time	138
D4	25 Nov 2015	Comments	Seagrass; Water clear
D5	01 Nov 2015	Arrive Time	1016
D5	01 Nov 2015	Weather	Sunny
D5	01 Nov 2015	Wind Speed (kts)	1.2
D5	01 Nov 2015	Wind Dir	SW
D5	01 Nov 2015	Animal Life	None
D5	01 Nov 2015	Floatables	None
D5	01 Nov 2015	Water Color	Green
D5	01 Nov 2015	Current Direction	SW
D5	01 Nov 2015	Wave Height Low (ft)	3
D5	01 Nov 2015	High Tide (ft)	5
D5	01 Nov 2015	High Tide Time	1159
D5	01 Nov 2015	Low Tide (ft)	2.6
D5	01 Nov 2015	Low Tide Time	601
D5	01 Nov 2015	Comments	Kelp; Seagrass; Water clear
D5	07 Nov 2015	Arrive Time	925
D5	07 Nov 2015	Weather	Sunny
D5	07 Nov 2015	Wind Speed (kts)	1.4
D5	07 Nov 2015	Wind Dir	SW
D5	07 Nov 2015	Animal Life	None
D5	07 Nov 2015	Floatables	None
D5	07 Nov 2015	Water Color	Green
D5	07 Nov 2015	Current Direction	SW
D5	07 Nov 2015	Wave Height Low (ft)	1
D5	07 Nov 2015	High Tide (ft)	5.1
D5	07 Nov 2015	High Tide Time	623
D5	07 Nov 2015	Low Tide (ft)	0.9
D5	07 Nov 2015	Low Tide Time	1252
D5	07 Nov 2015	Comments	Kelp; Seagrass; Water clear
D5	13 Nov 2015	Arrive Time	756

Station	Date	Parameter	Value
D5	13 Nov 2015	Weather	Sunny
D5	13 Nov 2015	Wind Speed (kts)	0.9
D5	13 Nov 2015	Wind Dir	W
D5	13 Nov 2015	Animal Life	None
D5	13 Nov 2015	Floatables	None
D5	13 Nov 2015	Water Color	Green
D5	13 Nov 2015	Current Direction	S
D5	13 Nov 2015	Wave Height Low (ft)	1
D5	13 Nov 2015	High Tide (ft)	5.8
D5	13 Nov 2015	High Tide Time	859
D5	13 Nov 2015	Low Tide (ft)	1.9
D5	13 Nov 2015	Low Tide Time	252
D5	13 Nov 2015	Comments	Kelp; Seagrass; 1 Boat; Water clear
D5	19 Nov 2015	Arrive Time	1119
D5	19 Nov 2015	Weather	Sunny
D5	19 Nov 2015	Wind Speed (kts)	4
D5	19 Nov 2015	Wind Dir	W
D5	19 Nov 2015	Animal Life	None
D5	19 Nov 2015	Floatables	None
D5	19 Nov 2015	Water Color	Green
D5	19 Nov 2015	Current Direction	W
D5	19 Nov 2015	Wave Height Low (ft)	4
D5	19 Nov 2015	High Tide (ft)	4.1
D5	19 Nov 2015	High Tide Time	1452
D5	19 Nov 2015	Low Tide (ft)	2.4
D5	19 Nov 2015	Low Tide Time	925
D5	19 Nov 2015	Comments	Kelp; Seagrass; Water turbid
D5	25 Nov 2015	Arrive Time	832
D5	25 Nov 2015	Weather	Cloudy
D5	25 Nov 2015	Wind Speed (kts)	3.4
D5	25 Nov 2015	Wind Dir	W
D5	25 Nov 2015	Animal Life	None
D5	25 Nov 2015	Floatables	None
D5	25 Nov 2015	Water Color	Green
D5	25 Nov 2015	Current Direction	W
D5	25 Nov 2015	Wave Height Low (ft)	4
D5	25 Nov 2015	High Tide (ft)	6.8
D5	25 Nov 2015	High Tide Time	747
D5	25 Nov 2015	Low Tide (ft)	-1.2
D5	25 Nov 2015	Low Tide Time	1449
D5	25 Nov 2015	Comments	Kelp; Seagrass; Water clear
D5	27 Nov 2015	Arrive Time	723
D5	27 Nov 2015	Weather	Moderate Rain
D5	27 Nov 2015	Wind Speed (kts)	1.2
D5	27 Nov 2015	Wind Dir	NW
D5	27 Nov 2015	Animal Life	None
D5	27 Nov 2015	Floatables	None
D5	27 Nov 2015	Water Color	Green
D5	27 Nov 2015	Current Direction	NW
D5	27 Nov 2015	Wave Height Low (ft)	2
D5	27 Nov 2015	High Tide (ft)	6.5
D5	27 Nov 2015	High Tide Time	908

Station	Date	Parameter	Value
D5	27 Nov 2015	Low Tide (ft)	1.6
D5	27 Nov 2015	Low Tide Time	303
D5	27 Nov 2015	Comments	Kelp; Seagrass; Water clear
D7	01 Nov 2015	Arrive Time	929
D7	01 Nov 2015	Weather	Sunny
D7	01 Nov 2015	Wind Speed (kts)	1.1
D7	01 Nov 2015	Wind Dir	W
D7	01 Nov 2015	Animal Life	None
D7	01 Nov 2015	Floatables	None
D7	01 Nov 2015	Water Color	Green
D7	01 Nov 2015	Current Direction	W
D7	01 Nov 2015	Wave Height Low (ft)	3
D7	01 Nov 2015	High Tide (ft)	5
D7	01 Nov 2015	High Tide Time	1159
D7	01 Nov 2015	Low Tide (ft)	2.6
D7	01 Nov 2015	Low Tide Time	601
D7	01 Nov 2015	Comments	Algae; 1 Surfer; Water clear
D7	07 Nov 2015	Arrive Time	1001
D7	07 Nov 2015	Weather	Sunny
D7	07 Nov 2015	Wind Speed (kts)	0.9
D7	07 Nov 2015	Wind Dir	SW
D7	07 Nov 2015	Animal Life	None
D7	07 Nov 2015	Floatables	None
D7	07 Nov 2015	Water Color	Green
D7	07 Nov 2015	Current Direction	SW
D7	07 Nov 2015	Wave Height Low (ft)	2
D7	07 Nov 2015	High Tide (ft)	5.1
D7	07 Nov 2015	High Tide Time	623
D7	07 Nov 2015	Low Tide (ft)	0.9
D7	07 Nov 2015	Low Tide Time	1252
D7	07 Nov 2015	Comments	Kelp; Seagrass; 5 Surfers; Water clear
D7	13 Nov 2015	Arrive Time	851
D7	13 Nov 2015	Weather	Sunny
D7	13 Nov 2015	Wind Speed (kts)	1.2
D7	13 Nov 2015	Wind Dir	SW
D7	13 Nov 2015	Animal Life	None
D7	13 Nov 2015	Floatables	None
D7	13 Nov 2015	Water Color	Green
D7	13 Nov 2015	Current Direction	SW
D7	13 Nov 2015	Wave Height Low (ft)	2
D7	13 Nov 2015	High Tide (ft)	5.8
D7	13 Nov 2015	High Tide Time	859
D7	13 Nov 2015	Low Tide (ft)	1.9
D7	13 Nov 2015	Low Tide Time	252
D7	13 Nov 2015	Comments	Kelp; Seagrass; Algae; Water clear
D7	19 Nov 2015	Arrive Time	1026
D7	19 Nov 2015	Weather	Sunny
D7	19 Nov 2015	Wind Speed (kts)	3
D7	19 Nov 2015	Wind Dir	E
D7	19 Nov 2015	Animal Life	None
D7	19 Nov 2015	Floatables	None

Station	Date	Parameter	Value
D7	19 Nov 2015	Water Color	Green
D7	19 Nov 2015	Current Direction	E
D7	19 Nov 2015	Wave Height Low (ft)	4
D7	19 Nov 2015	High Tide (ft)	4.1
D7	19 Nov 2015	High Tide Time	1452
D7	19 Nov 2015	Low Tide (ft)	2.4
D7	19 Nov 2015	Low Tide Time	925
D7	19 Nov 2015	Comments	Kelp; Seagrass; 7 Surfers; Water turbid
D7	25 Nov 2015	Arrive Time	745
D7	25 Nov 2015	Weather	Cloudy
D7	25 Nov 2015	Wind Speed (kts)	6.4
D7	25 Nov 2015	Wind Dir	W
D7	25 Nov 2015	Animal Life	None
D7	25 Nov 2015	Floatables	None
D7	25 Nov 2015	Water Color	Green
D7	25 Nov 2015	Current Direction	W
D7	25 Nov 2015	Wave Height Low (ft)	4
D7	25 Nov 2015	High Tide (ft)	6.8
D7	25 Nov 2015	High Tide Time	747
D7	25 Nov 2015	Low Tide (ft)	1
D7	25 Nov 2015	Low Tide Time	138
D7	25 Nov 2015	Comments	Water clear
D8	01 Nov 2015	Arrive Time	916
D8	01 Nov 2015	Weather	Sunny
D8	01 Nov 2015	Wind Speed (kts)	1.1
D8	01 Nov 2015	Wind Dir	NE
D8	01 Nov 2015	Animal Life	None
D8	01 Nov 2015	Floatables	None
D8	01 Nov 2015	Water Color	Green
D8	01 Nov 2015	Current Direction	NE
D8	01 Nov 2015	Wave Height Low (ft)	2
D8	01 Nov 2015	High Tide (ft)	5
D8	01 Nov 2015	High Tide Time	1159
D8	01 Nov 2015	Low Tide (ft)	2.6
D8	01 Nov 2015	Low Tide Time	601
D8	01 Nov 2015	Comments	Kelp; 4 Persons; Water clear
D8	07 Nov 2015	Arrive Time	1014
D8	07 Nov 2015	Weather	Sunny
D8	07 Nov 2015	Wind Speed (kts)	2.1
D8	07 Nov 2015	Wind Dir	SW
D8	07 Nov 2015	Animal Life	3 Dogs
D8	07 Nov 2015	Floatables	None
D8	07 Nov 2015	Water Color	Green
D8	07 Nov 2015	Current Direction	SW
D8	07 Nov 2015	Wave Height Low (ft)	2
D8	07 Nov 2015	High Tide (ft)	5.1
D8	07 Nov 2015	High Tide Time	623
D8	07 Nov 2015	Low Tide (ft)	0.9
D8	07 Nov 2015	Low Tide Time	1252
D8	07 Nov 2015	Comments	Kelp; Seagrass; Algae; 5 Persons; Water clear; Excess kelp and algae

Station	Date	Parameter	Value
D8	13 Nov 2015	Arrive Time	905
D8	13 Nov 2015	Weather	Sunny
D8	13 Nov 2015	Wind Speed (kts)	0.9
D8	13 Nov 2015	Wind Dir	SW
D8	13 Nov 2015	Animal Life	None
D8	13 Nov 2015	Floatables	None
D8	13 Nov 2015	Water Color	Green
D8	13 Nov 2015	Current Direction	SW
D8	13 Nov 2015	Wave Height Low (ft)	2
D8	13 Nov 2015	High Tide (ft)	5.8
D8	13 Nov 2015	High Tide Time	859
D8	13 Nov 2015	Low Tide (ft)	1.9
D8	13 Nov 2015	Low Tide Time	252
D8	13 Nov 2015	Comments	Kelp; Seagrass; Algae; Sewage-like odor; Water clear; Massive kelp buildup
D8	19 Nov 2015	Arrive Time	1011
D8	19 Nov 2015	Weather	Sunny
D8	19 Nov 2015	Wind Speed (kts)	2
D8	19 Nov 2015	Wind Dir	E
D8	19 Nov 2015	Animal Life	None
D8	19 Nov 2015	Floatables	None
D8	19 Nov 2015	Water Color	Green
D8	19 Nov 2015	Current Direction	E
D8	19 Nov 2015	Wave Height Low (ft)	3
D8	19 Nov 2015	High Tide (ft)	4.1
D8	19 Nov 2015	High Tide Time	1452
D8	19 Nov 2015	Low Tide (ft)	2.4
D8	19 Nov 2015	Low Tide Time	925
D8	19 Nov 2015	Comments	Kelp; Seagrass; Algae; Water turbid
D8	25 Nov 2015	Arrive Time	901
D8	25 Nov 2015	Weather	Cloudy
D8	25 Nov 2015	Wind Speed (kts)	7.5
D8	25 Nov 2015	Wind Dir	W
D8	25 Nov 2015	Animal Life	None
D8	25 Nov 2015	Floatables	None
D8	25 Nov 2015	Water Color	Green
D8	25 Nov 2015	Current Direction	W
D8	25 Nov 2015	Wave Height Low (ft)	4
D8	25 Nov 2015	High Tide (ft)	6.8
D8	25 Nov 2015	High Tide Time	747
D8	25 Nov 2015	Low Tide (ft)	-1.2
D8	25 Nov 2015	Low Tide Time	1449
D8	25 Nov 2015	Comments	Kelp; Seagrass; Water clear
D8	27 Nov 2015	Arrive Time	750
D8	27 Nov 2015	Weather	Cloudy
D8	27 Nov 2015	Wind Speed (kts)	1.9
D8	27 Nov 2015	Wind Dir	SW
D8	27 Nov 2015	Animal Life	None
D8	27 Nov 2015	Floatables	None
D8	27 Nov 2015	Water Color	Green
D8	27 Nov 2015	Current Direction	SW
D8	27 Nov 2015	Wave Height Low (ft)	2

Station	Date	Parameter	Value
D8	27 Nov 2015	High Tide (ft)	6.5
D8	27 Nov 2015	High Tide Time	908
D8	27 Nov 2015	Low Tide (ft)	1.6
D8	27 Nov 2015	Low Tide Time	303
D8	27 Nov 2015	Comments	Kelp; Seagrass; Water turbid
D9	01 Nov 2015	Arrive Time	900
D9	01 Nov 2015	Weather	Sunny
D9	01 Nov 2015	Wind Speed (kts)	1.1
D9	01 Nov 2015	Wind Dir	W
D9	01 Nov 2015	Animal Life	None
D9	01 Nov 2015	Floatables	None
D9	01 Nov 2015	Water Color	Green
D9	01 Nov 2015	Current Direction	W
D9	01 Nov 2015	Wave Height Low (ft)	4
D9	01 Nov 2015	High Tide (ft)	5
D9	01 Nov 2015	High Tide Time	1159
D9	01 Nov 2015	Low Tide (ft)	2.6
D9	01 Nov 2015	Low Tide Time	601
D9	01 Nov 2015	Comments	Kelp; Algae; 1 Surfer; Water clear
D9	07 Nov 2015	Arrive Time	1025
D9	07 Nov 2015	Weather	Sunny
D9	07 Nov 2015	Wind Speed (kts)	5.2
D9	07 Nov 2015	Wind Dir	W
D9	07 Nov 2015	Animal Life	None
D9	07 Nov 2015	Floatables	None
D9	07 Nov 2015	Water Color	Green
D9	07 Nov 2015	Current Direction	S
D9	07 Nov 2015	Wave Height Low (ft)	1
D9	07 Nov 2015	High Tide (ft)	5.1
D9	07 Nov 2015	High Tide Time	623
D9	07 Nov 2015	Low Tide (ft)	0.9
D9	07 Nov 2015	Low Tide Time	1252
D9	07 Nov 2015	Comments	Kelp; Seagrass; Water clear
D9	13 Nov 2015	Arrive Time	914
D9	13 Nov 2015	Weather	Sunny
D9	13 Nov 2015	Wind Speed (kts)	1.7
D9	13 Nov 2015	Wind Dir	SW
D9	13 Nov 2015	Animal Life	None
D9	13 Nov 2015	Floatables	None
D9	13 Nov 2015	Water Color	Green
D9	13 Nov 2015	Current Direction	SW
D9	13 Nov 2015	Wave Height Low (ft)	2
D9	13 Nov 2015	High Tide (ft)	5.8
D9	13 Nov 2015	High Tide Time	859
D9	13 Nov 2015	Low Tide (ft)	1.9
D9	13 Nov 2015	Low Tide Time	252
D9	13 Nov 2015	Comments	Kelp; Seagrass; 2 Persons; Water clear
D9	19 Nov 2015	Arrive Time	950
D9	19 Nov 2015	Weather	Sunny
D9	19 Nov 2015	Wind Speed (kts)	2
D9	19 Nov 2015	Wind Dir	E

Station	Date	Parameter	Value
D9	19 Nov 2015	Animal Life	None
D9	19 Nov 2015	Floatables	None
D9	19 Nov 2015	Water Color	Green
D9	19 Nov 2015	Current Direction	E
D9	19 Nov 2015	Wave Height Low (ft)	3
D9	19 Nov 2015	High Tide (ft)	4.1
D9	19 Nov 2015	High Tide Time	1452
D9	19 Nov 2015	Low Tide (ft)	2.4
D9	19 Nov 2015	Low Tide Time	925
D9	19 Nov 2015	Comments	Kelp; Seagrass; Algae; 2 Surfers; Water turbid
D9	25 Nov 2015	Arrive Time	723
D9	25 Nov 2015	Weather	Cloudy
D9	25 Nov 2015	Wind Speed (kts)	11.4
D9	25 Nov 2015	Wind Dir	W
D9	25 Nov 2015	Animal Life	None
D9	25 Nov 2015	Floatables	None
D9	25 Nov 2015	Water Color	Green
D9	25 Nov 2015	Current Direction	W
D9	25 Nov 2015	Wave Height Low (ft)	4
D9	25 Nov 2015	High Tide (ft)	6.8
D9	25 Nov 2015	High Tide Time	747
D9	25 Nov 2015	Low Tide (ft)	1
D9	25 Nov 2015	Low Tide Time	138
D9	25 Nov 2015	Comments	Seagrass; Water clear
D10	01 Nov 2015	Arrive Time	847
D10	01 Nov 2015	Weather	Sunny
D10	01 Nov 2015	Wind Speed (kts)	1
D10	01 Nov 2015	Wind Dir	W
D10	01 Nov 2015	Animal Life	None
D10	01 Nov 2015	Floatables	None
D10	01 Nov 2015	Water Color	Green
D10	01 Nov 2015	Current Direction	W
D10	01 Nov 2015	Wave Height Low (ft)	3
D10	01 Nov 2015	High Tide (ft)	5
D10	01 Nov 2015	High Tide Time	1159
D10	01 Nov 2015	Low Tide (ft)	2.6
D10	01 Nov 2015	Low Tide Time	601
D10	01 Nov 2015	Comments	Seagrass; 5 Persons; 3 Surfers; Water clear
D10	07 Nov 2015	Arrive Time	1038
D10	07 Nov 2015	Weather	Sunny
D10	07 Nov 2015	Wind Speed (kts)	2.5
D10	07 Nov 2015	Wind Dir	W
D10	07 Nov 2015	Animal Life	None
D10	07 Nov 2015	Floatables	None
D10	07 Nov 2015	Water Color	Green
D10	07 Nov 2015	Current Direction	S
D10	07 Nov 2015	Wave Height Low (ft)	2
D10	07 Nov 2015	High Tide (ft)	5.1
D10	07 Nov 2015	High Tide Time	623
D10	07 Nov 2015	Low Tide (ft)	0.9
D10	07 Nov 2015	Low Tide Time	1252
D10	07 Nov 2015	Comments	Kelp; Seagrass; 26 Persons; 8 Surfers; 5 Swimmers; Water clear

Station	Date	Parameter	Value
D10	13 Nov 2015	Arrive Time	923
D10	13 Nov 2015	Weather	Sunny
D10	13 Nov 2015	Wind Speed (kts)	0.1
D10	13 Nov 2015	Wind Dir	SW
D10	13 Nov 2015	Animal Life	None
D10	13 Nov 2015	Floatables	None
D10	13 Nov 2015	Water Color	Green
D10	13 Nov 2015	Current Direction	SW
D10	13 Nov 2015	Wave Height Low (ft)	3
D10	13 Nov 2015	High Tide (ft)	5.8
D10	13 Nov 2015	High Tide Time	859
D10	13 Nov 2015	Low Tide (ft)	1.9
D10	13 Nov 2015	Low Tide Time	252
D10	13 Nov 2015	Comments	Kelp; Seagrass; 5 Persons; 9 Surfers; Water clear
D10	19 Nov 2015	Arrive Time	933
D10	19 Nov 2015	Weather	Sunny
D10	19 Nov 2015	Wind Speed (kts)	2
D10	19 Nov 2015	Wind Dir	E
D10	19 Nov 2015	Animal Life	None
D10	19 Nov 2015	Floatables	None
D10	19 Nov 2015	Water Color	Green
D10	19 Nov 2015	Current Direction	E
D10	19 Nov 2015	Wave Height Low (ft)	3
D10	19 Nov 2015	High Tide (ft)	4.1
D10	19 Nov 2015	High Tide Time	1452
D10	19 Nov 2015	Low Tide (ft)	2.4
D10	19 Nov 2015	Low Tide Time	925
D10	19 Nov 2015	Comments	Kelp; Seagrass; 10 Surfers; Water turbid
D10	25 Nov 2015	Arrive Time	713
D10	25 Nov 2015	Weather	Cloudy
D10	25 Nov 2015	Wind Speed (kts)	13.8
D10	25 Nov 2015	Wind Dir	W
D10	25 Nov 2015	Animal Life	None
D10	25 Nov 2015	Floatables	None
D10	25 Nov 2015	Water Color	Green
D10	25 Nov 2015	Current Direction	W
D10	25 Nov 2015	Wave Height Low (ft)	4
D10	25 Nov 2015	High Tide (ft)	6.8
D10	25 Nov 2015	High Tide Time	747
D10	25 Nov 2015	Low Tide (ft)	1
D10	25 Nov 2015	Low Tide Time	138
D10	25 Nov 2015	Comments	Kelp; Water clear
D10	27 Nov 2015	Arrive Time	807
D10	27 Nov 2015	Weather	Cloudy
D10	27 Nov 2015	Wind Speed (kts)	2.1
D10	27 Nov 2015	Wind Dir	SW
D10	27 Nov 2015	Animal Life	None
D10	27 Nov 2015	Floatables	None
D10	27 Nov 2015	Water Color	Green
D10	27 Nov 2015	Current Direction	SW
D10	27 Nov 2015	Wave Height Low (ft)	3

Station	Date	Parameter	Value
D10	27 Nov 2015	High Tide (ft)	6.5
D10	27 Nov 2015	High Tide Time	908
D10	27 Nov 2015	Low Tide (ft)	1.6
D10	27 Nov 2015	Low Tide Time	303
D10	27 Nov 2015	Comments	Kelp; Seagrass; Water clear
D11	01 Nov 2015	Arrive Time	835
D11	01 Nov 2015	Weather	Sunny
D11	01 Nov 2015	Wind Speed (kts)	1.9
D11	01 Nov 2015	Wind Dir	SE
D11	01 Nov 2015	Animal Life	None
D11	01 Nov 2015	Floatables	None
D11	01 Nov 2015	Water Color	Green
D11	01 Nov 2015	Current Direction	SE
D11	01 Nov 2015	Wave Height Low (ft)	3
D11	01 Nov 2015	High Tide (ft)	5
D11	01 Nov 2015	High Tide Time	1159
D11	01 Nov 2015	Low Tide (ft)	2.6
D11	01 Nov 2015	Low Tide Time	601
D11	01 Nov 2015	Comments	Seagrass; 2 Persons; 3 Surfers; Water clear
D11	07 Nov 2015	Arrive Time	1054
D11	07 Nov 2015	Weather	Sunny
D11	07 Nov 2015	Wind Speed (kts)	2.4
D11	07 Nov 2015	Wind Dir	W
D11	07 Nov 2015	Animal Life	26 Dogs
D11	07 Nov 2015	Floatables	None
D11	07 Nov 2015	Water Color	Green
D11	07 Nov 2015	Current Direction	S
D11	07 Nov 2015	Wave Height Low (ft)	2
D11	07 Nov 2015	High Tide (ft)	5.1
D11	07 Nov 2015	High Tide Time	623
D11	07 Nov 2015	Low Tide (ft)	0.9
D11	07 Nov 2015	Low Tide Time	1252
D11	07 Nov 2015	Comments	Kelp; Seagrass; 6 Joggers; 27 Persons; 10 Surfers; 3 Swimmers; Water clear
D11	13 Nov 2015	Arrive Time	936
D11	13 Nov 2015	Weather	Sunny
D11	13 Nov 2015	Wind Speed (kts)	2.1
D11	13 Nov 2015	Wind Dir	NW
D11	13 Nov 2015	Animal Life	None
D11	13 Nov 2015	Floatables	None
D11	13 Nov 2015	Water Color	Green
D11	13 Nov 2015	Current Direction	SW
D11	13 Nov 2015	Wave Height Low (ft)	3
D11	13 Nov 2015	High Tide (ft)	5.8
D11	13 Nov 2015	High Tide Time	859
D11	13 Nov 2015	Low Tide (ft)	-0.2
D11	13 Nov 2015	Low Tide Time	1611
D11	13 Nov 2015	Comments	Kelp; Seagrass; 4 Persons; 25 Surfers; Water clear
D11	19 Nov 2015	Arrive Time	920
D11	19 Nov 2015	Weather	Sunny
D11	19 Nov 2015	Wind Speed (kts)	2

Station	Date	Parameter	Value
D11	19 Nov 2015	Wind Dir	E
D11	19 Nov 2015	Animal Life	None
D11	19 Nov 2015	Floatables	None
D11	19 Nov 2015	Water Color	Green
D11	19 Nov 2015	Current Direction	E
D11	19 Nov 2015	Wave Height Low (ft)	3
D11	19 Nov 2015	High Tide (ft)	4.2
D11	19 Nov 2015	High Tide Time	338
D11	19 Nov 2015	Low Tide (ft)	2.4
D11	19 Nov 2015	Low Tide Time	925
D11	19 Nov 2015	Comments	Kelp; Seagrass; 15 Surfers; Water turbid
D11	25 Nov 2015	Arrive Time	705
D11	25 Nov 2015	Weather	Cloudy
D11	25 Nov 2015	Wind Speed (kts)	10.8
D11	25 Nov 2015	Wind Dir	W
D11	25 Nov 2015	Animal Life	None
D11	25 Nov 2015	Floatables	None
D11	25 Nov 2015	Water Color	Green
D11	25 Nov 2015	Current Direction	W
D11	25 Nov 2015	Wave Height Low (ft)	3
D11	25 Nov 2015	High Tide (ft)	6.8
D11	25 Nov 2015	High Tide Time	747
D11	25 Nov 2015	Low Tide (ft)	1
D11	25 Nov 2015	Low Tide Time	138
D11	25 Nov 2015	Comments	Seagrass; Water clear
D12	01 Nov 2015	Arrive Time	808
D12	01 Nov 2015	Weather	Sunny
D12	01 Nov 2015	Wind Speed (kts)	2.1
D12	01 Nov 2015	Wind Dir	SE
D12	01 Nov 2015	Animal Life	None
D12	01 Nov 2015	Floatables	None
D12	01 Nov 2015	Water Color	Green
D12	01 Nov 2015	Current Direction	SE
D12	01 Nov 2015	Wave Height Low (ft)	3
D12	01 Nov 2015	High Tide (ft)	5
D12	01 Nov 2015	High Tide Time	1159
D12	01 Nov 2015	Low Tide (ft)	2.6
D12	01 Nov 2015	Low Tide Time	601
D12	01 Nov 2015	Comments	Kelp; Seagrass; 2 Persons; 2 Surfers; Water clear
D12	07 Nov 2015	Arrive Time	1116
D12	07 Nov 2015	Weather	Sunny
D12	07 Nov 2015	Wind Speed (kts)	3.3
D12	07 Nov 2015	Wind Dir	SW
D12	07 Nov 2015	Animal Life	None
D12	07 Nov 2015	Floatables	None
D12	07 Nov 2015	Water Color	Green
D12	07 Nov 2015	Current Direction	S
D12	07 Nov 2015	Wave Height Low (ft)	2
D12	07 Nov 2015	High Tide (ft)	5.1
D12	07 Nov 2015	High Tide Time	623
D12	07 Nov 2015	Low Tide (ft)	0.9
D12	07 Nov 2015	Low Tide Time	1252

Station	Date	Parameter	Value
D12	07 Nov 2015	Comments	Kelp; Seagrass; 1 Jogger; 27 Persons; 5 Surfers; Water clear; Dead seagull
D12	13 Nov 2015	Arrive Time	958
D12	13 Nov 2015	Weather	Sunny
D12	13 Nov 2015	Wind Speed (kts)	2.3
D12	13 Nov 2015	Wind Dir	SW
D12	13 Nov 2015	Animal Life	None
D12	13 Nov 2015	Floatables	None
D12	13 Nov 2015	Water Color	Green
D12	13 Nov 2015	Current Direction	S
D12	13 Nov 2015	Wave Height Low (ft)	2
D12	13 Nov 2015	High Tide (ft)	5.8
D12	13 Nov 2015	High Tide Time	859
D12	13 Nov 2015	Low Tide (ft)	-0.2
D12	13 Nov 2015	Low Tide Time	1611
D12	13 Nov 2015	Comments	Kelp; Seagrass; Water clear
D12	19 Nov 2015	Arrive Time	856
D12	19 Nov 2015	Weather	Sunny
D12	19 Nov 2015	Wind Speed (kts)	1
D12	19 Nov 2015	Wind Dir	E
D12	19 Nov 2015	Animal Life	None
D12	19 Nov 2015	Floatables	None
D12	19 Nov 2015	Water Color	Green
D12	19 Nov 2015	Current Direction	E
D12	19 Nov 2015	Wave Height Low (ft)	3
D12	19 Nov 2015	High Tide (ft)	4.2
D12	19 Nov 2015	High Tide Time	338
D12	19 Nov 2015	Low Tide (ft)	2.4
D12	19 Nov 2015	Low Tide Time	925
D12	19 Nov 2015	Comments	Kelp; Seagrass; Water turbid; Berm building on beach& seawall construction
D12	25 Nov 2015	Arrive Time	646
D12	25 Nov 2015	Weather	Cloudy
D12	25 Nov 2015	Wind Speed (kts)	17.9
D12	25 Nov 2015	Wind Dir	W
D12	25 Nov 2015	Animal Life	None
D12	25 Nov 2015	Floatables	None
D12	25 Nov 2015	Water Color	Green
D12	25 Nov 2015	Current Direction	W
D12	25 Nov 2015	Wave Height Low (ft)	4
D12	25 Nov 2015	High Tide (ft)	6.8
D12	25 Nov 2015	High Tide Time	747
D12	25 Nov 2015	Low Tide (ft)	1
D12	25 Nov 2015	Low Tide Time	138
D12	25 Nov 2015	Comments	Kelp; Seagrass; Water clear
D12	27 Nov 2015	Arrive Time	837
D12	27 Nov 2015	Weather	Partly Cloudy
D12	27 Nov 2015	Wind Speed (kts)	1.1
D12	27 Nov 2015	Wind Dir	SW
D12	27 Nov 2015	Animal Life	None
D12	27 Nov 2015	Floatables	None

Station	Date	Parameter	Value
D12	27 Nov 2015	Water Color	Green
D12	27 Nov 2015	Current Direction	SW
D12	27 Nov 2015	Wave Height Low (ft)	2
D12	27 Nov 2015	High Tide (ft)	6.5
D12	27 Nov 2015	High Tide Time	908
D12	27 Nov 2015	Low Tide (ft)	1.6
D12	27 Nov 2015	Low Tide Time	303
D12	27 Nov 2015	Comments	Seagrass; Water clear

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Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2015	3*	3*	4*	5*	11*	5*	3*	3*
02 Nov 2015	3*	3*	4*	5*	11*	5*	3*	3*
03 Nov 2015	3*	3*	4*	5*	11*	5*	3*	3*
04 Nov 2015	3*	3*	4*	5*	11*	5*	3*	3*
05 Nov 2015	3*	3*	4*	5*	11*	5*	3*	3*
06 Nov 2015	2*	3*	4*	7*	18*	6*	3*	3*
07 Nov 2015	2*	3*	5*	5*	11*	5*	3*	3*
08 Nov 2015	2*	3*	5*	5*	11*	5*	3*	3*
09 Nov 2015	2*	3*	5*	5*	11*	5*	3*	3*
10 Nov 2015	2*	3*	5*	5*	11*	5*	3*	3*
11 Nov 2015	2*	3*	5*	5*	11*	5*	3*	3*
12 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
13 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
14 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
15 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
16 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
17 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
18 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
19 Nov 2015	3*	3*	5*	3*	7*	3*	3*	3*
20 Nov 2015	6	7	8	6	11	5	6	6
21 Nov 2015	6	7	8	6	11	5	6	6
22 Nov 2015	6	7	8	6	11	5	6	6
23 Nov 2015	8*	10*	11*	7*	9*	7*	8*	8*
24 Nov 2015	6	7	8	5	7	5	6	6
25 Nov 2015	8*	7*	11*	5*	5*	5*	6*	8*
26 Nov 2015	8*	7*	11*	5*	5*	5*	6*	8*
27 Nov 2015	8*	7*	11*	5*	5*	5*	6*	8*
28 Nov 2015	8*	7*	11*	5*	5*	5*	6*	8*
29 Nov 2015	8*	7*	11*	5*	5*	5*	6*	8*
30 Nov 2015	8	5	8	5	4	4	5	6

* Geometric mean calculated using n<5

Table 3.2

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
02 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
03 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
04 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
05 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
06 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
07 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
08 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
09 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
10 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
11 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
12 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
13 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
14 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
15 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
16 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
17 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
18 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
19 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
20 Nov 2015	2	3	2	2	2	2	2	2
21 Nov 2015	2	3	2	2	2	2	2	2
22 Nov 2015	2	3	2	2	2	2	2	2
23 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
24 Nov 2015	2	3	2	2	2	2	2	2
25 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
26 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
27 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
28 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
29 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
30 Nov 2015	2	3	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table 3.3

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
02 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
03 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
04 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
05 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
06 Nov 2015	3*	4*	3*	2*	2*	2*	3*	3*
07 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
08 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
09 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
10 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
11 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
12 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
13 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
14 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
15 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
16 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
17 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
18 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
19 Nov 2015	3*	3*	3*	2*	2*	2*	2*	2*
20 Nov 2015	2	3	3	2	2	2	2	2
21 Nov 2015	2	3	3	2	2	2	2	2
22 Nov 2015	2	3	3	2	2	2	2	2
23 Nov 2015	2*	3*	2*	2*	2*	2*	2*	2*
24 Nov 2015	2	3	2	2	2	2	2	2
25 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
26 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
27 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
28 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
29 Nov 2015	2*	2*	2*	2*	2*	2*	2*	2*
30 Nov 2015	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table 3.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
07 Nov 2015	IC							
12 Nov 2015	IC							
20 Nov 2015	IC							
24 Nov 2015	IC							
30 Nov 2015	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
07 Nov 2015	IC							
12 Nov 2015	IC							
20 Nov 2015	IC							
24 Nov 2015	IC							
30 Nov 2015	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
07 Nov 2015	IC							
12 Nov 2015	IC							
20 Nov 2015	IC							
24 Nov 2015	IC							
30 Nov 2015	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
07 Nov 2015	IC							
12 Nov 2015	IC							
20 Nov 2015	IC							
24 Nov 2015	IC							
30 Nov 2015	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	07 Nov 2015	738	1	<2	<2	<2	1.00	ns	19.4	91.59	7.2	33.45	8.1
A1	07 Nov 2015	738	12	<2	<2	2e	1.00	ns	19.0	92.88	7.1	33.46	8.1
A1	07 Nov 2015	738	18	<2	<2	<2	1.00	ns	17.8	92.31	6.9	33.40	8.1
A1	12 Nov 2015	754	1	<2	<2	<2	1.00	<0.01	18.8	84.61	7.3	33.47	8.2
A1	12 Nov 2015	754	12	4e	<2	<2	0.50	0.01	18.4	87.17	7.3	33.44	8.1
A1	12 Nov 2015	754	18	34e	2e	<2	0.06	0.01	16.6	86.96	6.9	33.39	8.1
A1	20 Nov 2015	809	1	<200	<2	<2	0.01	ns	19.1	92.96	7.1	33.62	8.2
A1	20 Nov 2015	809	12	<2	<2	2e	1.00	ns	16.9	92.43	6.8	33.43	8.1
A1	20 Nov 2015	809	18	<2	<2	<2	1.00	ns	16.8	92.08	6.6	33.44	8.1
A1	24 Nov 2015	1217	1	<2	<2	<2	1.00	ns	19.3	88.15	7.3	33.60	8.2
A1	24 Nov 2015	1217	12	2e	<2	<2	1.00	ns	18.3	85.31	7.3	33.58	8.2
A1	24 Nov 2015	1217	18	<2	<2	<2	1.00	ns	18.3	85.48	7.3	33.59	8.2
A1	30 Nov 2015	742	1	2e	2e	<2	1.00	ns	18.2	86.76	7.2	33.60	8.2
A1	30 Nov 2015	742	12	14e	<2	<2	0.14	ns	18.2	86.82	7.2	33.60	8.2
A1	30 Nov 2015	742	18	14e	<2	<2	0.14	ns	18.2	86.91	7.1	33.60	8.2
C4	07 Nov 2015	1004	1	<2	<2	<2	1.00	ns	19.5	87.27	6.9	33.49	8.1
C4	07 Nov 2015	1004	3	<2	<2	<2	1.00	ns	19.3	86.60	6.8	33.49	8.1
C4	07 Nov 2015	1004	9	2e	<2	<2	1.00	ns	19.0	70.51	6.2	33.50	8.1
C4	12 Nov 2015	940	1	<2	<2	<2	1.00	<0.01	19.0	84.63	7.2	33.48	8.2
C4	12 Nov 2015	940	3	<2	<2	<2	1.00	<0.01	18.9	86.84	7.1	33.48	8.2
C4	12 Nov 2015	940	9	<2	<2	<2	1.00	<0.01	18.8	73.32	6.8	33.50	8.1
C4	20 Nov 2015	1015	1	<200	<2	<2	0.01	ns	19.2	90.97	7.1	33.63	8.2
C4	20 Nov 2015	1015	3	<2	<2	<2	1.00	ns	19.1	89.91	7.2	33.64	8.2
C4	20 Nov 2015	1015	9	<2	<2	<2	1.00	ns	18.8	74.43	7.0	33.64	8.2
C4	24 Nov 2015	1348	1	<2	<2	<2	1.00	ns	18.5	81.99	7.3	33.61	8.2
C4	24 Nov 2015	1348	3	<2	<2	<2	1.00	ns	18.4	81.45	7.4	33.61	8.2
C4	24 Nov 2015	1348	9	<2	2e	<2	1.00	ns	18.4	82.16	7.4	33.62	8.2
C4	30 Nov 2015	946	1	<2	<2	<2	1.00	ns	17.9	85.15	7.3	33.63	8.2
C4	30 Nov 2015	946	3	<2	<2	<2	1.00	ns	17.9	84.90	7.3	33.63	8.2
C4	30 Nov 2015	946	9	<20	<2	<2	0.10	ns	17.4	71.32	7.2	33.66	8.1
C5	07 Nov 2015	950	1	2e	<2	<2	1.00	ns	19.5	89.58	7.0	33.48	8.1
C5	07 Nov 2015	950	3	<2	<2	<2	1.00	ns	19.4	89.36	6.9	33.47	8.1
C5	07 Nov 2015	950	9	<2	<2	<2	1.00	ns	18.6	84.01	6.1	33.43	8.1
C5	12 Nov 2015	930	1	<2	<2	<2	1.00	<0.01	18.9	84.65	7.1	33.48	8.2
C5	12 Nov 2015	930	3	4e	<2	<2	0.50	<0.01	18.9	84.76	7.1	33.49	8.2

Station	Date	Time	Depth	Total	Fecal	Enteroto	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C5	12 Nov 2015	930	9	<2	<2	<2	1.00	<0.01	18.8	81.11	6.9	33.49	8.1
C5	20 Nov 2015	1002	1	<200	<2	<2	0.01	ns	19.3	91.27	7.1	33.64	8.2
C5	20 Nov 2015	1002	3	<2	<2	<2	1.00	ns	19.3	91.89	7.1	33.64	8.2
C5	20 Nov 2015	1002	9	<2	<2	<2	1.00	ns	19.1	86.61	7.0	33.63	8.2
C5	24 Nov 2015	1340	1	<2	<2	<2	1.00	ns	19.1	87.63	7.2	33.64	8.2
C5	24 Nov 2015	1340	3	<2	<2	<2	1.00	ns	18.8	87.01	7.3	33.61	8.2
C5	24 Nov 2015	1340	9	<2	<2	<2	1.00	ns	18.5	83.94	7.6	33.62	8.2
C5	30 Nov 2015	937	1	<2	<2	<2	1.00	ns	18.0	86.68	7.2	33.63	8.2
C5	30 Nov 2015	937	3	2e	<2	<2	1.00	ns	18.0	86.54	7.3	33.63	8.2
C5	30 Nov 2015	937	9	2e	<2	<2	1.00	ns	17.9	84.83	7.3	33.63	8.2
A6	07 Nov 2015	829	1	<2	<2	<2	1.00	ns	19.5	90.24	7.0	33.47	8.1
A6	07 Nov 2015	829	12	<2	<2	2e	1.00	ns	19.4	90.58	7.1	33.47	8.1
A6	07 Nov 2015	829	18	2e	<2	<2	1.00	ns	18.8	91.22	6.8	33.43	8.1
A6	12 Nov 2015	833	1	<2	<2	<2	1.00	<0.01	18.9	84.55	7.2	33.49	8.2
A6	12 Nov 2015	833	12	<2	<2	<2	1.00	<0.01	18.8	85.75	7.1	33.48	8.2
A6	12 Nov 2015	833	18	6e	<2	<2	0.33	<0.01	18.2	86.74	6.9	33.42	8.1
A6	20 Nov 2015	854	1	<200	<2	<2	0.01	ns	19.3	92.45	7.1	33.64	8.2
A6	20 Nov 2015	854	12	<2	<2	<2	1.00	ns	17.4	91.63	6.7	33.49	8.1
A6	20 Nov 2015	854	18	300e	34e	8e	0.11	ns	16.9	92.07	6.7	33.45	8.1
A6	24 Nov 2015	1237	1	<2	<2	<2	1.00	ns	19.6	89.53	7.4	33.63	8.2
A6	24 Nov 2015	1237	12	<2	<2	<2	1.00	ns	19.1	89.09	7.3	33.61	8.2
A6	24 Nov 2015	1237	18	ns	<2	<2	ns	ns	19.0	88.98	7.2	33.61	8.2
A6	30 Nov 2015	808	1	<2	<2	<2	1.00	ns	18.2	86.47	7.3	33.60	8.2
A6	30 Nov 2015	808	12	<2	<2	<2	1.00	ns	18.2	86.72	7.2	33.60	8.2
A6	30 Nov 2015	808	18	<2	<2	<2	1.00	ns	18.2	86.29	7.2	33.60	8.2
C6	07 Nov 2015	934	1	<2	<2	<2	1.00	ns	19.4	87.07	6.8	33.46	8.1
C6	07 Nov 2015	934	3	<2	<2	<2	1.00	ns	19.4	87.03	6.7	33.45	8.1
C6	07 Nov 2015	934	9	<2	<2	<2	1.00	ns	19.0	86.52	5.9	33.44	8.0
C6	12 Nov 2015	919	1	<2	<2	<2	1.00	<0.01	19.0	81.89	6.8	33.51	8.1
C6	12 Nov 2015	919	3	<2	<2	<2	1.00	<0.01	18.9	80.99	6.8	33.51	8.1
C6	12 Nov 2015	919	9	<2	<2	<2	1.00	<0.01	18.9	78.54	6.8	33.51	8.1
C6	20 Nov 2015	952	1	<200	<2	<2	0.01	ns	19.2	89.16	7.2	33.63	8.2
C6	20 Nov 2015	952	3	<2	<2	<2	1.00	ns	19.2	89.15	7.2	33.63	8.2
C6	20 Nov 2015	952	9	<2	<2	2e	1.00	ns	19.2	88.67	7.2	33.63	8.2
C6	24 Nov 2015	1332	1	<2	<2	<2	1.00	ns	19.6	89.16	7.3	33.64	8.2
C6	24 Nov 2015	1332	3	<2	<2	<2	1.00	ns	19.5	88.85	7.5	33.64	8.2
C6	24 Nov 2015	1332	9	<2	<2	<2	1.00	ns	18.9	83.84	7.9	33.62	8.2
C6	30 Nov 2015	924	1	<2	<2	<2	1.00	ns	18.0	84.01	7.2	33.64	8.2
C6	30 Nov 2015	924	3	<2	<2	<2	1.00	ns	17.9	83.97	7.2	33.64	8.2
C6	30 Nov 2015	924	9	<2	<2	<2	1.00	ns	17.8	82.79	7.3	33.65	8.2
A7	07 Nov 2015	807	1	<2	<2	<2	1.00	ns	19.4	92.37	7.1	33.47	8.1

Station	Date	Time	Depth	Total	Fecal	Enteroto	F:T	N-NH3	Temp	XMS	DO	Sal	pH
A7	07 Nov 2015	807	12	<2	<2	<2	1.00	ns	19.2	92.52	7.1	33.46	8.1
A7	07 Nov 2015	807	18	<20	<2	<2	0.10	ns	18.2	92.26	7.0	33.41	8.1
A7	12 Nov 2015	822	1	<2	<2	<2	1.00	<0.01	18.8	85.11	7.3	33.48	8.2
A7	12 Nov 2015	822	12	<2	<2	<2	1.00	<0.01	18.8	87.09	7.2	33.47	8.2
A7	12 Nov 2015	822	18	44	2e	4e	0.05	<0.01	16.8	86.71	6.7	33.39	8.1
A7	20 Nov 2015	834	1	<200	<2	<2	0.01	ns	19.4	92.49	7.2	33.62	8.2
A7	20 Nov 2015	834	12	<2	<2	<2	1.00	ns	18.8	93.08	6.8	33.60	8.2
A7	20 Nov 2015	834	18	<2	<2	<2	1.00	ns	16.8	91.83	6.7	33.44	8.1
A7	24 Nov 2015	1227	1	<2	<2	<2	1.00	ns	19.5	88.98	7.5	33.64	8.2
A7	24 Nov 2015	1227	12	<2	<2	<2	1.00	ns	18.5	87.71	7.3	33.60	8.2
A7	24 Nov 2015	1227	18	<2	<2	<2	1.00	ns	18.4	86.43	7.3	33.60	8.2
A7	30 Nov 2015	758	1	<2	<2	<2	1.00	ns	18.2	86.73	7.3	33.60	8.2
A7	30 Nov 2015	758	12	2e	<2	<2	1.00	ns	18.2	86.79	7.3	33.60	8.2
A7	30 Nov 2015	758	18	2e	<2	2e	1.00	ns	18.2	86.77	7.1	33.60	8.2
C7	07 Nov 2015	852	1	<2	<2	<2	1.00	ns	19.6	90.48	7.1	33.46	8.2
C7	07 Nov 2015	852	12	<2	<2	<2	1.00	ns	18.9	89.24	6.8	33.43	8.1
C7	07 Nov 2015	852	18	<2	<2	<2	1.00	ns	18.0	91.50	6.6	33.40	8.1
C7	12 Nov 2015	850	1	<2	<2	<2	1.00	0.01	18.9	81.34	7.1	33.49	8.1
C7	12 Nov 2015	850	12	<2	<2	<2	1.00	<0.01	18.7	83.72	7.0	33.46	8.1
C7	12 Nov 2015	850	18	14e	<2	<2	0.14	<0.01	17.4	84.02	6.6	33.39	8.1
C7	20 Nov 2015	913	1	<200	<2	<2	0.01	ns	19.5	93.08	7.1	33.63	8.2
C7	20 Nov 2015	913	12	<2	<2	<2	1.00	ns	19.4	92.98	7.1	33.63	8.2
C7	20 Nov 2015	913	18	8e	2e	<2	0.25	ns	19.1	92.46	6.3	33.60	8.2
C7	24 Nov 2015	1315	1	<2	<2	<2	1.00	ns	19.6	87.99	7.8	33.62	8.2
C7	24 Nov 2015	1315	12	<2	<2	<2	1.00	ns	19.2	88.36	7.5	33.61	8.2
C7	24 Nov 2015	1315	18	<2	<2	<2	1.00	ns	18.6	84.95	6.5	33.58	8.1
C7	30 Nov 2015	820	1	2e	<2	<2	1.00	ns	18.2	86.38	7.2	33.62	8.2
C7	30 Nov 2015	820	12	<2	<2	<2	1.00	ns	18.2	87.03	7.2	33.62	8.2
C7	30 Nov 2015	820	18	<2	<2	2e	1.00	ns	18.0	82.88	7.1	33.64	8.2
C8	07 Nov 2015	909	1	<2	<2	<2	1.00	ns	19.5	90.33	7.1	33.44	8.1
C8	07 Nov 2015	909	12	<2	<2	<2	1.00	ns	18.9	89.10	6.8	33.42	8.1
C8	07 Nov 2015	909	18	<2	<2	<2	1.00	ns	18.1	91.19	6.8	33.40	8.1
C8	12 Nov 2015	901	1	<2	<2	<2	1.00	<0.01	18.8	83.62	7.3	33.49	8.2
C8	12 Nov 2015	901	12	22e	<2	<2	0.09	<0.01	18.7	81.92	7.3	33.50	8.2
C8	12 Nov 2015	901	18	12e	2e	<2	0.17	<0.01	17.4	80.92	7.0	33.38	8.1
C8	20 Nov 2015	930	1	<200	<2	<2	0.01	ns	19.4	93.66	7.2	33.59	8.2
C8	20 Nov 2015	930	12	<2	<2	2e	1.00	ns	19.2	93.03	7.1	33.61	8.2
C8	20 Nov 2015	930	18	<2	<2	<2	1.00	ns	19.2	88.10	7.2	33.61	8.2
C8	24 Nov 2015	1259	1	<2	<2	<2	1.00	ns	19.6	88.26	7.4	33.62	8.2
C8	24 Nov 2015	1259	12	ns	<2	<2	ns	ns	19.1	86.38	7.3	33.59	8.2
C8	24 Nov 2015	1259	18	2e	<2	<2	1.00	ns	18.2	85.95	7.1	33.55	8.1

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C8	30 Nov 2015	831	1	<2	<2	<2	1.00	ns	18.1	82.84	7.3	33.62	8.2
C8	30 Nov 2015	831	12	<2	<2	<2	1.00	ns	18.0	83.33	7.3	33.62	8.2
C8	30 Nov 2015	831	18	<2	<2	<2	1.00	ns	18.0	78.29	7.2	33.62	8.2

NA = not available

ns = not sampled

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	07 Nov 2015	Depth (m)	19
A1	07 Nov 2015	Arrive Time	738
A1	07 Nov 2015	Depart Time	756
A1	07 Nov 2015	Air Temp (C)	18
A1	07 Nov 2015	Weather	Partly Cloudy
A1	07 Nov 2015	Visibility (mi)	10
A1	07 Nov 2015	Wind Speed (kts)	5
A1	07 Nov 2015	Wind Dir	SE
A1	07 Nov 2015	Water Color	Greenish-Blue
A1	07 Nov 2015	Wave Ht Low (ft)	2
A1	07 Nov 2015	Wave Period (sec)	9
A1	07 Nov 2015	Sea State	Calm
A1	07 Nov 2015	High Tide (ft)	5.12
A1	07 Nov 2015	High Tide Time	623
A1	07 Nov 2015	Low Tide (ft)	0.93
A1	07 Nov 2015	Low Tide Time	1252
A1	07 Nov 2015	Comments	Lobster floats; Kelp
A1	12 Nov 2015	Depth (m)	20
A1	12 Nov 2015	Arrive Time	754
A1	12 Nov 2015	Depart Time	815
A1	12 Nov 2015	Air Temp (C)	16
A1	12 Nov 2015	Weather	Partly Cloudy
A1	12 Nov 2015	Visibility (mi)	12
A1	12 Nov 2015	Wind Speed (kts)	6
A1	12 Nov 2015	Wind Dir	E
A1	12 Nov 2015	Water Color	Greenish-Blue
A1	12 Nov 2015	Wave Ht Low (ft)	3
A1	12 Nov 2015	Wave Period (sec)	9
A1	12 Nov 2015	Sea State	Calm
A1	12 Nov 2015	High Tide (ft)	5.83
A1	12 Nov 2015	High Tide Time	830
A1	12 Nov 2015	Low Tide (ft)	-0.24
A1	12 Nov 2015	Low Tide Time	1533
A1	12 Nov 2015	Comments	Lobster floats; Kelp
A1	20 Nov 2015	Depth (m)	19
A1	20 Nov 2015	Arrive Time	809
A1	20 Nov 2015	Depart Time	829
A1	20 Nov 2015	Air Temp (C)	17
A1	20 Nov 2015	Weather	Clear
A1	20 Nov 2015	Visibility (mi)	10
A1	20 Nov 2015	Wind Speed (kts)	6
A1	20 Nov 2015	Wind Dir	NW
A1	20 Nov 2015	Water Color	Brownish-Green
A1	20 Nov 2015	Wave Ht Low (ft)	3
A1	20 Nov 2015	Wave Period (sec)	7
A1	20 Nov 2015	Sea State	Calm
A1	20 Nov 2015	High Tide (ft)	4.72
A1	20 Nov 2015	High Tide Time	426
A1	20 Nov 2015	Low Tide (ft)	1.74

Station	Date	Parameter	Value
A1	20 Nov 2015	Low Tide Time	1041
A1	20 Nov 2015	Comments	Kelp; Lobster floats
A1	24 Nov 2015	Depth (m)	18
A1	24 Nov 2015	Arrive Time	1217
A1	24 Nov 2015	Depart Time	1220
A1	24 Nov 2015	Air Temp (C)	18
A1	24 Nov 2015	Weather	Partly Cloudy
A1	24 Nov 2015	Visibility (mi)	5
A1	24 Nov 2015	Wind Speed (kts)	5
A1	24 Nov 2015	Wind Dir	SW
A1	24 Nov 2015	Water Color	Greenish-Blue
A1	24 Nov 2015	Wave Ht Low (ft)	3
A1	24 Nov 2015	Wave Period (sec)	4
A1	24 Nov 2015	Sea State	Light chop
A1	24 Nov 2015	High Tide (ft)	6.64
A1	24 Nov 2015	High Tide Time	707
A1	24 Nov 2015	Low Tide (ft)	-0.97
A1	24 Nov 2015	Low Tide Time	1404
A1	24 Nov 2015	Comments	Kelp; Sea lion on station; Lobster floats
A1	30 Nov 2015	Depth (m)	18
A1	30 Nov 2015	Arrive Time	742
A1	30 Nov 2015	Depart Time	749
A1	30 Nov 2015	Air Temp (C)	14
A1	30 Nov 2015	Weather	Clear
A1	30 Nov 2015	Visibility (mi)	14
A1	30 Nov 2015	Wind Speed (kts)	3
A1	30 Nov 2015	Wind Dir	S
A1	30 Nov 2015	Water Color	Greenish-Blue
A1	30 Nov 2015	Wave Ht Low (ft)	3
A1	30 Nov 2015	Wave Period (sec)	16
A1	30 Nov 2015	Sea State	Wind ripples
A1	30 Nov 2015	High Tide (ft)	4.93
A1	30 Nov 2015	High Tide Time	1123
A1	30 Nov 2015	Low Tide (ft)	2.5
A1	30 Nov 2015	Low Tide Time	536
A1	30 Nov 2015	Comments	Lobster floats; Kelp
C4	07 Nov 2015	Depth (m)	10
C4	07 Nov 2015	Arrive Time	1004
C4	07 Nov 2015	Depart Time	1011
C4	07 Nov 2015	Air Temp (C)	21
C4	07 Nov 2015	Weather	Partly Cloudy
C4	07 Nov 2015	Visibility (mi)	10
C4	07 Nov 2015	Wind Speed (kts)	1
C4	07 Nov 2015	Wind Dir	NE
C4	07 Nov 2015	Water Color	Green
C4	07 Nov 2015	Wave Ht Low (ft)	2
C4	07 Nov 2015	Wave Period (sec)	9
C4	07 Nov 2015	Sea State	Wind ripples
C4	07 Nov 2015	High Tide (ft)	5.12
C4	07 Nov 2015	High Tide Time	623
C4	07 Nov 2015	Low Tide (ft)	0.93
C4	07 Nov 2015	Low Tide Time	1252

Station	Date	Parameter	Value
C4	07 Nov 2015	Comments	Lobster floats; Kelp debris
C4	12 Nov 2015	Depth (m)	11
C4	12 Nov 2015	Arrive Time	940
C4	12 Nov 2015	Depart Time	945
C4	12 Nov 2015	Air Temp (C)	18
C4	12 Nov 2015	Weather	Partly Cloudy
C4	12 Nov 2015	Visibility (mi)	12
C4	12 Nov 2015	Wind Speed (kts)	1
C4	12 Nov 2015	Wind Dir	SE
C4	12 Nov 2015	Water Color	Greenish-Blue
C4	12 Nov 2015	Wave Ht Low (ft)	3
C4	12 Nov 2015	Wave Period (sec)	16
C4	12 Nov 2015	Sea State	Calm
C4	12 Nov 2015	High Tide (ft)	5.83
C4	12 Nov 2015	High Tide Time	830
C4	12 Nov 2015	Low Tide (ft)	-0.24
C4	12 Nov 2015	Low Tide Time	1533
C4	12 Nov 2015	Comments	Lobster floats; Kelp
C4	20 Nov 2015	Depth (m)	11
C4	20 Nov 2015	Arrive Time	1015
C4	20 Nov 2015	Depart Time	1020
C4	20 Nov 2015	Air Temp (C)	19
C4	20 Nov 2015	Weather	Clear
C4	20 Nov 2015	Visibility (mi)	15
C4	20 Nov 2015	Wind Speed (kts)	1
C4	20 Nov 2015	Wind Dir	W
C4	20 Nov 2015	Water Color	Greenish-Blue
C4	20 Nov 2015	Wave Ht Low (ft)	3
C4	20 Nov 2015	Wave Period (sec)	7
C4	20 Nov 2015	Sea State	Calm
C4	20 Nov 2015	High Tide (ft)	4.72
C4	20 Nov 2015	High Tide Time	426
C4	20 Nov 2015	Low Tide (ft)	1.74
C4	20 Nov 2015	Low Tide Time	1041
C4	20 Nov 2015	Comments	Kelp debris; Lobster floats
C4	24 Nov 2015	Depth (m)	10
C4	24 Nov 2015	Arrive Time	1348
C4	24 Nov 2015	Depart Time	1351
C4	24 Nov 2015	Air Temp (C)	18
C4	24 Nov 2015	Weather	Partly Cloudy
C4	24 Nov 2015	Visibility (mi)	6
C4	24 Nov 2015	Wind Speed (kts)	7
C4	24 Nov 2015	Wind Dir	E
C4	24 Nov 2015	Water Color	Green
C4	24 Nov 2015	Wave Ht Low (ft)	3
C4	24 Nov 2015	Wave Period (sec)	4
C4	24 Nov 2015	Sea State	Wind ripples
C4	24 Nov 2015	High Tide (ft)	6.64
C4	24 Nov 2015	High Tide Time	707
C4	24 Nov 2015	Low Tide (ft)	-0.97
C4	24 Nov 2015	Low Tide Time	1404
C4	24 Nov 2015	Comments	Lobster floats; Kelp

Station	Date	Parameter	Value
C4	30 Nov 2015	Depth (m)	10
C4	30 Nov 2015	Arrive Time	946
C4	30 Nov 2015	Depart Time	948
C4	30 Nov 2015	Air Temp (C)	16
C4	30 Nov 2015	Weather	Clear
C4	30 Nov 2015	Visibility (mi)	14
C4	30 Nov 2015	Wind Speed (kts)	1
C4	30 Nov 2015	Wind Dir	SW
C4	30 Nov 2015	Water Color	Green
C4	30 Nov 2015	Wave Ht Low (ft)	3
C4	30 Nov 2015	Wave Period (sec)	16
C4	30 Nov 2015	Sea State	Wind ripples
C4	30 Nov 2015	High Tide (ft)	4.93
C4	30 Nov 2015	High Tide Time	1123
C4	30 Nov 2015	Low Tide (ft)	2.5
C4	30 Nov 2015	Low Tide Time	536
C4	30 Nov 2015	Comments	Lobster floats; Kelp debris
C5	07 Nov 2015	Depth (m)	11
C5	07 Nov 2015	Arrive Time	950
C5	07 Nov 2015	Depart Time	957
C5	07 Nov 2015	Air Temp (C)	20
C5	07 Nov 2015	Weather	Partly Cloudy
C5	07 Nov 2015	Visibility (mi)	10
C5	07 Nov 2015	Wind Speed (kts)	1
C5	07 Nov 2015	Wind Dir	E
C5	07 Nov 2015	Water Color	Green
C5	07 Nov 2015	Wave Ht Low (ft)	2
C5	07 Nov 2015	Wave Period (sec)	9
C5	07 Nov 2015	Sea State	Wind ripples
C5	07 Nov 2015	High Tide (ft)	5.12
C5	07 Nov 2015	High Tide Time	623
C5	07 Nov 2015	Low Tide (ft)	0.93
C5	07 Nov 2015	Low Tide Time	1252
C5	07 Nov 2015	Comments	Lobster floats; Kelp
C5	12 Nov 2015	Depth (m)	12
C5	12 Nov 2015	Arrive Time	930
C5	12 Nov 2015	Depart Time	933
C5	12 Nov 2015	Air Temp (C)	18
C5	12 Nov 2015	Weather	Partly Cloudy
C5	12 Nov 2015	Visibility (mi)	12
C5	12 Nov 2015	Wind Speed (kts)	1
C5	12 Nov 2015	Wind Dir	W
C5	12 Nov 2015	Water Color	Greenish-Blue
C5	12 Nov 2015	Wave Ht Low (ft)	3
C5	12 Nov 2015	Wave Period (sec)	16
C5	12 Nov 2015	Sea State	Calm
C5	12 Nov 2015	High Tide (ft)	5.83
C5	12 Nov 2015	High Tide Time	830
C5	12 Nov 2015	Low Tide (ft)	-0.24
C5	12 Nov 2015	Low Tide Time	1533
C5	12 Nov 2015	Comments	Lobster floats; Kelp

Station	Date	Parameter	Value
C5	20 Nov 2015	Depth (m)	11
C5	20 Nov 2015	Arrive Time	1002
C5	20 Nov 2015	Depart Time	1010
C5	20 Nov 2015	Air Temp (C)	19
C5	20 Nov 2015	Weather	Clear
C5	20 Nov 2015	Visibility (mi)	15
C5	20 Nov 2015	Wind Speed (kts)	0
C5	20 Nov 2015	Wind Dir	
C5	20 Nov 2015	Water Color	Greenish-Blue
C5	20 Nov 2015	Wave Ht Low (ft)	3
C5	20 Nov 2015	Wave Period (sec)	7
C5	20 Nov 2015	Sea State	Calm
C5	20 Nov 2015	High Tide (ft)	4.72
C5	20 Nov 2015	High Tide Time	426
C5	20 Nov 2015	Low Tide (ft)	1.74
C5	20 Nov 2015	Low Tide Time	1041
C5	20 Nov 2015	Comments	Kelp debris; Lobster floats
C5	24 Nov 2015	Depth (m)	9
C5	24 Nov 2015	Arrive Time	1340
C5	24 Nov 2015	Depart Time	1344
C5	24 Nov 2015	Air Temp (C)	18
C5	24 Nov 2015	Weather	Partly Cloudy
C5	24 Nov 2015	Visibility (mi)	6
C5	24 Nov 2015	Wind Speed (kts)	8
C5	24 Nov 2015	Wind Dir	E
C5	24 Nov 2015	Water Color	Green
C5	24 Nov 2015	Wave Ht Low (ft)	3
C5	24 Nov 2015	Wave Period (sec)	4
C5	24 Nov 2015	Sea State	Wind ripples
C5	24 Nov 2015	High Tide (ft)	6.64
C5	24 Nov 2015	High Tide Time	707
C5	24 Nov 2015	Low Tide (ft)	-0.97
C5	24 Nov 2015	Low Tide Time	1404
C5	24 Nov 2015	Comments	Lobster floats
C5	30 Nov 2015	Depth (m)	12
C5	30 Nov 2015	Arrive Time	937
C5	30 Nov 2015	Depart Time	940
C5	30 Nov 2015	Air Temp (C)	16
C5	30 Nov 2015	Weather	Clear
C5	30 Nov 2015	Visibility (mi)	14
C5	30 Nov 2015	Wind Speed (kts)	3
C5	30 Nov 2015	Wind Dir	E
C5	30 Nov 2015	Water Color	Green
C5	30 Nov 2015	Wave Ht Low (ft)	3
C5	30 Nov 2015	Wave Period (sec)	16
C5	30 Nov 2015	Sea State	Wind ripples
C5	30 Nov 2015	High Tide (ft)	4.93
C5	30 Nov 2015	High Tide Time	1123
C5	30 Nov 2015	Low Tide (ft)	2.5
C5	30 Nov 2015	Low Tide Time	536
C5	30 Nov 2015	Comments	Lobster floats; Kelp
A6	07 Nov 2015	Depth (m)	19

Station	Date	Parameter	Value
A6	07 Nov 2015	Arrive Time	829
A6	07 Nov 2015	Depart Time	839
A6	07 Nov 2015	Air Temp (C)	19
A6	07 Nov 2015	Weather	Partly Cloudy
A6	07 Nov 2015	Visibility (mi)	10
A6	07 Nov 2015	Wind Speed (kts)	3
A6	07 Nov 2015	Wind Dir	W
A6	07 Nov 2015	Water Color	Greenish-Blue
A6	07 Nov 2015	Wave Ht Low (ft)	2
A6	07 Nov 2015	Wave Period (sec)	9
A6	07 Nov 2015	Sea State	Calm
A6	07 Nov 2015	High Tide (ft)	5.12
A6	07 Nov 2015	High Tide Time	623
A6	07 Nov 2015	Low Tide (ft)	0.93
A6	07 Nov 2015	Low Tide Time	1252
A6	07 Nov 2015	Comments	Lobster floats; Kelp
A6	12 Nov 2015	Depth (m)	18
A6	12 Nov 2015	Arrive Time	833
A6	12 Nov 2015	Depart Time	840
A6	12 Nov 2015	Air Temp (C)	18
A6	12 Nov 2015	Weather	Partly Cloudy
A6	12 Nov 2015	Visibility (mi)	12
A6	12 Nov 2015	Wind Speed (kts)	0
A6	12 Nov 2015	Wind Dir	
A6	12 Nov 2015	Water Color	Greenish-Blue
A6	12 Nov 2015	Wave Ht Low (ft)	3
A6	12 Nov 2015	Wave Period (sec)	16
A6	12 Nov 2015	Sea State	Calm
A6	12 Nov 2015	High Tide (ft)	5.83
A6	12 Nov 2015	High Tide Time	830
A6	12 Nov 2015	Low Tide (ft)	-0.24
A6	12 Nov 2015	Low Tide Time	1533
A6	12 Nov 2015	Comments	Lobster floats; Kelp
A6	20 Nov 2015	Depth (m)	19
A6	20 Nov 2015	Arrive Time	854
A6	20 Nov 2015	Depart Time	904
A6	20 Nov 2015	Air Temp (C)	19
A6	20 Nov 2015	Weather	Clear
A6	20 Nov 2015	Visibility (mi)	10
A6	20 Nov 2015	Wind Speed (kts)	1
A6	20 Nov 2015	Wind Dir	N
A6	20 Nov 2015	Water Color	Brownish-Green
A6	20 Nov 2015	Wave Ht Low (ft)	3
A6	20 Nov 2015	Wave Period (sec)	7
A6	20 Nov 2015	Sea State	Calm
A6	20 Nov 2015	High Tide (ft)	4.72
A6	20 Nov 2015	High Tide Time	426
A6	20 Nov 2015	Low Tide (ft)	1.74
A6	20 Nov 2015	Low Tide Time	1041
A6	20 Nov 2015	Comments	Kelp; Lobster floats
A6	24 Nov 2015	Depth (m)	17
A6	24 Nov 2015	Arrive Time	1237

Station	Date	Parameter	Value
A6	24 Nov 2015	Depart Time	1244
A6	24 Nov 2015	Air Temp (C)	18
A6	24 Nov 2015	Weather	Partly Cloudy
A6	24 Nov 2015	Visibility (mi)	8
A6	24 Nov 2015	Wind Speed (kts)	7
A6	24 Nov 2015	Wind Dir	S
A6	24 Nov 2015	Water Color	Greenish-Blue
A6	24 Nov 2015	Wave Ht Low (ft)	3
A6	24 Nov 2015	Wave Period (sec)	4
A6	24 Nov 2015	Sea State	Light chop
A6	24 Nov 2015	High Tide (ft)	6.64
A6	24 Nov 2015	High Tide Time	707
A6	24 Nov 2015	Low Tide (ft)	-0.97
A6	24 Nov 2015	Low Tide Time	1404
A6	24 Nov 2015	Comments	Kelp; Did not get 18th meter within 0.05nm astronomical tides today
A6	30 Nov 2015	Depth (m)	19
A6	30 Nov 2015	Arrive Time	808
A6	30 Nov 2015	Depart Time	811
A6	30 Nov 2015	Air Temp (C)	14
A6	30 Nov 2015	Weather	Clear
A6	30 Nov 2015	Visibility (mi)	14
A6	30 Nov 2015	Wind Speed (kts)	4
A6	30 Nov 2015	Wind Dir	NW
A6	30 Nov 2015	Water Color	Greenish-Blue
A6	30 Nov 2015	Wave Ht Low (ft)	3
A6	30 Nov 2015	Wave Period (sec)	16
A6	30 Nov 2015	Sea State	Wind ripples
A6	30 Nov 2015	High Tide (ft)	4.93
A6	30 Nov 2015	High Tide Time	1123
A6	30 Nov 2015	Low Tide (ft)	2.5
A6	30 Nov 2015	Low Tide Time	536
A6	30 Nov 2015	Comments	Lobster floats; Kelp
C6	07 Nov 2015	Depth (m)	10
C6	07 Nov 2015	Arrive Time	934
C6	07 Nov 2015	Depart Time	943
C6	07 Nov 2015	Air Temp (C)	20
C6	07 Nov 2015	Weather	Partly Cloudy
C6	07 Nov 2015	Visibility (mi)	10
C6	07 Nov 2015	Wind Speed (kts)	6
C6	07 Nov 2015	Wind Dir	N
C6	07 Nov 2015	Water Color	Green
C6	07 Nov 2015	Wave Ht Low (ft)	2
C6	07 Nov 2015	Wave Period (sec)	9
C6	07 Nov 2015	Sea State	Wind ripples
C6	07 Nov 2015	High Tide (ft)	5.12
C6	07 Nov 2015	High Tide Time	623
C6	07 Nov 2015	Low Tide (ft)	0.93
C6	07 Nov 2015	Low Tide Time	1252
C6	07 Nov 2015	Comments	Lobster floats; Kelp
C6	12 Nov 2015	Depth (m)	9
C6	12 Nov 2015	Arrive Time	919
C6	12 Nov 2015	Depart Time	924

Station	Date	Parameter	Value
C6	12 Nov 2015	Air Temp (C)	18
C6	12 Nov 2015	Weather	Partly Cloudy
C6	12 Nov 2015	Visibility (mi)	12
C6	12 Nov 2015	Wind Speed (kts)	2
C6	12 Nov 2015	Wind Dir	W
C6	12 Nov 2015	Water Color	Greenish-Blue
C6	12 Nov 2015	Wave Ht Low (ft)	3
C6	12 Nov 2015	Wave Period (sec)	16
C6	12 Nov 2015	Sea State	Calm
C6	12 Nov 2015	High Tide (ft)	5.83
C6	12 Nov 2015	High Tide Time	830
C6	12 Nov 2015	Low Tide (ft)	-0.24
C6	12 Nov 2015	Low Tide Time	1533
C6	12 Nov 2015	Comments	Lobster floats; Kelp
C6	20 Nov 2015	Depth (m)	10
C6	20 Nov 2015	Arrive Time	952
C6	20 Nov 2015	Depart Time	956
C6	20 Nov 2015	Air Temp (C)	20
C6	20 Nov 2015	Weather	Clear
C6	20 Nov 2015	Visibility (mi)	15
C6	20 Nov 2015	Wind Speed (kts)	0
C6	20 Nov 2015	Wind Dir	
C6	20 Nov 2015	Water Color	Greenish-Blue
C6	20 Nov 2015	Wave Ht Low (ft)	3
C6	20 Nov 2015	Wave Period (sec)	7
C6	20 Nov 2015	Sea State	Calm
C6	20 Nov 2015	High Tide (ft)	4.72
C6	20 Nov 2015	High Tide Time	426
C6	20 Nov 2015	Low Tide (ft)	1.74
C6	20 Nov 2015	Low Tide Time	1041
C6	20 Nov 2015	Comments	Kelp debris; Lobster floats
C6	24 Nov 2015	Depth (m)	9
C6	24 Nov 2015	Arrive Time	1332
C6	24 Nov 2015	Depart Time	1335
C6	24 Nov 2015	Air Temp (C)	18
C6	24 Nov 2015	Weather	Partly Cloudy
C6	24 Nov 2015	Visibility (mi)	6
C6	24 Nov 2015	Wind Speed (kts)	7
C6	24 Nov 2015	Wind Dir	S
C6	24 Nov 2015	Water Color	Green
C6	24 Nov 2015	Wave Ht Low (ft)	3
C6	24 Nov 2015	Wave Period (sec)	4
C6	24 Nov 2015	Sea State	Wind ripples
C6	24 Nov 2015	High Tide (ft)	6.64
C6	24 Nov 2015	High Tide Time	707
C6	24 Nov 2015	Low Tide (ft)	-0.97
C6	24 Nov 2015	Low Tide Time	1404
C6	24 Nov 2015	Comments	Kelp
C6	30 Nov 2015	Depth (m)	9
C6	30 Nov 2015	Arrive Time	924
C6	30 Nov 2015	Depart Time	931
C6	30 Nov 2015	Air Temp (C)	16

Station	Date	Parameter	Value
C6	30 Nov 2015	Weather	Clear
C6	30 Nov 2015	Visibility (mi)	14
C6	30 Nov 2015	Wind Speed (kts)	0
C6	30 Nov 2015	Wind Dir	
C6	30 Nov 2015	Water Color	Green
C6	30 Nov 2015	Wave Ht Low (ft)	3
C6	30 Nov 2015	Wave Period (sec)	16
C6	30 Nov 2015	Sea State	Wind ripples
C6	30 Nov 2015	High Tide (ft)	4.93
C6	30 Nov 2015	High Tide Time	1123
C6	30 Nov 2015	Low Tide (ft)	2.5
C6	30 Nov 2015	Low Tide Time	536
C6	30 Nov 2015	Comments	Lobster floats; Kelp
A7	07 Nov 2015	Depth (m)	19
A7	07 Nov 2015	Arrive Time	807
A7	07 Nov 2015	Depart Time	815
A7	07 Nov 2015	Air Temp (C)	19
A7	07 Nov 2015	Weather	Partly Cloudy
A7	07 Nov 2015	Visibility (mi)	10
A7	07 Nov 2015	Wind Speed (kts)	1
A7	07 Nov 2015	Wind Dir	S
A7	07 Nov 2015	Water Color	Greenish-Blue
A7	07 Nov 2015	Wave Ht Low (ft)	2
A7	07 Nov 2015	Wave Period (sec)	9
A7	07 Nov 2015	Sea State	Calm
A7	07 Nov 2015	High Tide (ft)	5.12
A7	07 Nov 2015	High Tide Time	623
A7	07 Nov 2015	Low Tide (ft)	0.93
A7	07 Nov 2015	Low Tide Time	1252
A7	07 Nov 2015	Comments	Lobster floats; Kelp
A7	12 Nov 2015	Depth (m)	20
A7	12 Nov 2015	Arrive Time	822
A7	12 Nov 2015	Depart Time	827
A7	12 Nov 2015	Air Temp (C)	18
A7	12 Nov 2015	Weather	Partly Cloudy
A7	12 Nov 2015	Visibility (mi)	12
A7	12 Nov 2015	Wind Speed (kts)	0
A7	12 Nov 2015	Wind Dir	
A7	12 Nov 2015	Water Color	Greenish-Blue
A7	12 Nov 2015	Wave Ht Low (ft)	3
A7	12 Nov 2015	Wave Period (sec)	9
A7	12 Nov 2015	Sea State	Calm
A7	12 Nov 2015	High Tide (ft)	5.83
A7	12 Nov 2015	High Tide Time	830
A7	12 Nov 2015	Low Tide (ft)	-0.24
A7	12 Nov 2015	Low Tide Time	1533
A7	12 Nov 2015	Comments	Lobster floats; Kelp
A7	20 Nov 2015	Depth (m)	19
A7	20 Nov 2015	Arrive Time	834
A7	20 Nov 2015	Depart Time	844
A7	20 Nov 2015	Air Temp (C)	18
A7	20 Nov 2015	Weather	Clear

Station	Date	Parameter	Value
A7	20 Nov 2015	Visibility (mi)	10
A7	20 Nov 2015	Wind Speed (kts)	3
A7	20 Nov 2015	Wind Dir	N
A7	20 Nov 2015	Water Color	Brownish-Green
A7	20 Nov 2015	Wave Ht Low (ft)	3
A7	20 Nov 2015	Wave Period (sec)	7
A7	20 Nov 2015	Sea State	Calm
A7	20 Nov 2015	High Tide (ft)	4.72
A7	20 Nov 2015	High Tide Time	426
A7	20 Nov 2015	Low Tide (ft)	1.74
A7	20 Nov 2015	Low Tide Time	1041
A7	20 Nov 2015	Comments	Kelp; Lobster floats
A7	24 Nov 2015	Depth (m)	18
A7	24 Nov 2015	Arrive Time	1227
A7	24 Nov 2015	Depart Time	1232
A7	24 Nov 2015	Air Temp (C)	18
A7	24 Nov 2015	Weather	Partly Cloudy
A7	24 Nov 2015	Visibility (mi)	8
A7	24 Nov 2015	Wind Speed (kts)	7
A7	24 Nov 2015	Wind Dir	SW
A7	24 Nov 2015	Water Color	Greenish-Blue
A7	24 Nov 2015	Wave Ht Low (ft)	3
A7	24 Nov 2015	Wave Period (sec)	4
A7	24 Nov 2015	Sea State	Light chop
A7	24 Nov 2015	High Tide (ft)	6.64
A7	24 Nov 2015	High Tide Time	707
A7	24 Nov 2015	Low Tide (ft)	-0.97
A7	24 Nov 2015	Low Tide Time	1404
A7	24 Nov 2015	Comments	Kelp; Boats
A7	30 Nov 2015	Depth (m)	18
A7	30 Nov 2015	Arrive Time	758
A7	30 Nov 2015	Depart Time	802
A7	30 Nov 2015	Air Temp (C)	14
A7	30 Nov 2015	Weather	Clear
A7	30 Nov 2015	Visibility (mi)	14
A7	30 Nov 2015	Wind Speed (kts)	6
A7	30 Nov 2015	Wind Dir	N
A7	30 Nov 2015	Water Color	Greenish-Blue
A7	30 Nov 2015	Wave Ht Low (ft)	3
A7	30 Nov 2015	Wave Period (sec)	16
A7	30 Nov 2015	Sea State	Wind ripples
A7	30 Nov 2015	High Tide (ft)	4.93
A7	30 Nov 2015	High Tide Time	1123
A7	30 Nov 2015	Low Tide (ft)	2.5
A7	30 Nov 2015	Low Tide Time	536
A7	30 Nov 2015	Comments	Lobster floats; Kelp
C7	07 Nov 2015	Depth (m)	19
C7	07 Nov 2015	Arrive Time	852
C7	07 Nov 2015	Depart Time	902
C7	07 Nov 2015	Air Temp (C)	19
C7	07 Nov 2015	Weather	Partly Cloudy
C7	07 Nov 2015	Visibility (mi)	10

Station	Date	Parameter	Value
C7	07 Nov 2015	Wind Speed (kts)	3
C7	07 Nov 2015	Wind Dir	SE
C7	07 Nov 2015	Water Color	Greenish-Blue
C7	07 Nov 2015	Wave Ht Low (ft)	2
C7	07 Nov 2015	Wave Period (sec)	9
C7	07 Nov 2015	Sea State	Calm
C7	07 Nov 2015	High Tide (ft)	5.12
C7	07 Nov 2015	High Tide Time	623
C7	07 Nov 2015	Low Tide (ft)	0.93
C7	07 Nov 2015	Low Tide Time	1252
C7	07 Nov 2015	Comments	Lobster floats; Kelp
C7	12 Nov 2015	Depth (m)	19
C7	12 Nov 2015	Arrive Time	850
C7	12 Nov 2015	Depart Time	854
C7	12 Nov 2015	Air Temp (C)	18
C7	12 Nov 2015	Weather	Partly Cloudy
C7	12 Nov 2015	Visibility (mi)	12
C7	12 Nov 2015	Wind Speed (kts)	0
C7	12 Nov 2015	Wind Dir	
C7	12 Nov 2015	Water Color	Greenish-Blue
C7	12 Nov 2015	Wave Ht Low (ft)	3
C7	12 Nov 2015	Wave Period (sec)	16
C7	12 Nov 2015	Sea State	Calm
C7	12 Nov 2015	High Tide (ft)	5.83
C7	12 Nov 2015	High Tide Time	830
C7	12 Nov 2015	Low Tide (ft)	-0.24
C7	12 Nov 2015	Low Tide Time	1533
C7	12 Nov 2015	Comments	Lobster floats; Kelp
C7	20 Nov 2015	Depth (m)	18
C7	20 Nov 2015	Arrive Time	913
C7	20 Nov 2015	Depart Time	921
C7	20 Nov 2015	Air Temp (C)	19
C7	20 Nov 2015	Weather	Clear
C7	20 Nov 2015	Visibility (mi)	10
C7	20 Nov 2015	Wind Speed (kts)	1
C7	20 Nov 2015	Wind Dir	E
C7	20 Nov 2015	Water Color	Greenish-Blue
C7	20 Nov 2015	Wave Ht Low (ft)	3
C7	20 Nov 2015	Wave Period (sec)	7
C7	20 Nov 2015	Sea State	Calm
C7	20 Nov 2015	High Tide (ft)	4.72
C7	20 Nov 2015	High Tide Time	426
C7	20 Nov 2015	Low Tide (ft)	1.74
C7	20 Nov 2015	Low Tide Time	1041
C7	20 Nov 2015	Comments	Kelp; Lobster floats
C7	24 Nov 2015	Depth (m)	17
C7	24 Nov 2015	Arrive Time	1315
C7	24 Nov 2015	Depart Time	1325
C7	24 Nov 2015	Air Temp (C)	18
C7	24 Nov 2015	Weather	Partly Cloudy
C7	24 Nov 2015	Visibility (mi)	7
C7	24 Nov 2015	Wind Speed (kts)	7

Station	Date	Parameter	Value
C7	24 Nov 2015	Wind Dir	NW
C7	24 Nov 2015	Water Color	Greenish-Blue
C7	24 Nov 2015	Wave Ht Low (ft)	3
C7	24 Nov 2015	Wave Period (sec)	4
C7	24 Nov 2015	Sea State	Light chop
C7	24 Nov 2015	High Tide (ft)	6.64
C7	24 Nov 2015	High Tide Time	707
C7	24 Nov 2015	Low Tide (ft)	-0.97
C7	24 Nov 2015	Low Tide Time	1404
C7	24 Nov 2015	Comments	Kelp; Did not get 18th meter within 0.05nm astronomical tides today
C7	30 Nov 2015	Depth (m)	19
C7	30 Nov 2015	Arrive Time	820
C7	30 Nov 2015	Depart Time	823
C7	30 Nov 2015	Air Temp (C)	14
C7	30 Nov 2015	Weather	Clear
C7	30 Nov 2015	Visibility (mi)	14
C7	30 Nov 2015	Wind Speed (kts)	6
C7	30 Nov 2015	Wind Dir	SE
C7	30 Nov 2015	Water Color	Greenish-Blue
C7	30 Nov 2015	Wave Ht Low (ft)	3
C7	30 Nov 2015	Wave Period (sec)	16
C7	30 Nov 2015	Sea State	Wind ripples
C7	30 Nov 2015	High Tide (ft)	4.93
C7	30 Nov 2015	High Tide Time	1123
C7	30 Nov 2015	Low Tide (ft)	2.5
C7	30 Nov 2015	Low Tide Time	536
C7	30 Nov 2015	Comments	Lobster floats; Kelp
C8	07 Nov 2015	Depth (m)	19
C8	07 Nov 2015	Arrive Time	909
C8	07 Nov 2015	Depart Time	918
C8	07 Nov 2015	Air Temp (C)	18
C8	07 Nov 2015	Weather	Partly Cloudy
C8	07 Nov 2015	Visibility (mi)	10
C8	07 Nov 2015	Wind Speed (kts)	3
C8	07 Nov 2015	Wind Dir	S
C8	07 Nov 2015	Water Color	Bluish-Green
C8	07 Nov 2015	Wave Ht Low (ft)	2
C8	07 Nov 2015	Wave Period (sec)	9
C8	07 Nov 2015	Sea State	Calm
C8	07 Nov 2015	High Tide (ft)	5.12
C8	07 Nov 2015	High Tide Time	623
C8	07 Nov 2015	Low Tide (ft)	0.93
C8	07 Nov 2015	Low Tide Time	1252
C8	07 Nov 2015	Comments	Lobster floats; Kelp
C8	12 Nov 2015	Depth (m)	20
C8	12 Nov 2015	Arrive Time	901
C8	12 Nov 2015	Depart Time	906
C8	12 Nov 2015	Air Temp (C)	17
C8	12 Nov 2015	Weather	Partly Cloudy
C8	12 Nov 2015	Visibility (mi)	12
C8	12 Nov 2015	Wind Speed (kts)	2
C8	12 Nov 2015	Wind Dir	SE

Station	Date	Parameter	Value
C8	12 Nov 2015	Water Color	Greenish-Blue
C8	12 Nov 2015	Wave Ht Low (ft)	3
C8	12 Nov 2015	Wave Period (sec)	16
C8	12 Nov 2015	Sea State	Calm
C8	12 Nov 2015	High Tide (ft)	5.83
C8	12 Nov 2015	High Tide Time	830
C8	12 Nov 2015	Low Tide (ft)	-0.24
C8	12 Nov 2015	Low Tide Time	1533
C8	12 Nov 2015	Comments	Lobster floats; Kelp
C8	20 Nov 2015	Depth (m)	19
C8	20 Nov 2015	Arrive Time	930
C8	20 Nov 2015	Depart Time	937
C8	20 Nov 2015	Air Temp (C)	19
C8	20 Nov 2015	Weather	Clear
C8	20 Nov 2015	Visibility (mi)	15
C8	20 Nov 2015	Wind Speed (kts)	0
C8	20 Nov 2015	Wind Dir	
C8	20 Nov 2015	Water Color	Greenish-Blue
C8	20 Nov 2015	Wave Ht Low (ft)	3
C8	20 Nov 2015	Wave Period (sec)	7
C8	20 Nov 2015	Sea State	Calm
C8	20 Nov 2015	High Tide (ft)	4.72
C8	20 Nov 2015	High Tide Time	426
C8	20 Nov 2015	Low Tide (ft)	1.74
C8	20 Nov 2015	Low Tide Time	1041
C8	20 Nov 2015	Comments	Kelp; Lobster floats
C8	24 Nov 2015	Depth (m)	19
C8	24 Nov 2015	Arrive Time	1259
C8	24 Nov 2015	Depart Time	1310
C8	24 Nov 2015	Air Temp (C)	18
C8	24 Nov 2015	Weather	Partly Cloudy
C8	24 Nov 2015	Visibility (mi)	8
C8	24 Nov 2015	Wind Speed (kts)	7
C8	24 Nov 2015	Wind Dir	SW
C8	24 Nov 2015	Water Color	Greenish-Blue
C8	24 Nov 2015	Wave Ht Low (ft)	3
C8	24 Nov 2015	Wave Period (sec)	4
C8	24 Nov 2015	Sea State	Light chop
C8	24 Nov 2015	High Tide (ft)	6.64
C8	24 Nov 2015	High Tide Time	707
C8	24 Nov 2015	Low Tide (ft)	-0.97
C8	24 Nov 2015	Low Tide Time	1404
C8	24 Nov 2015	Comments	Lobster floats; Kelp debris
C8	30 Nov 2015	Depth (m)	20
C8	30 Nov 2015	Arrive Time	831
C8	30 Nov 2015	Depart Time	836
C8	30 Nov 2015	Air Temp (C)	14
C8	30 Nov 2015	Weather	Clear
C8	30 Nov 2015	Visibility (mi)	14
C8	30 Nov 2015	Wind Speed (kts)	8
C8	30 Nov 2015	Wind Dir	NE
C8	30 Nov 2015	Water Color	Greenish-Blue

Station	Date	Parameter	Value
C8	30 Nov 2015	Wave Ht Low (ft)	3
C8	30 Nov 2015	Wave Period (sec)	16
C8	30 Nov 2015	Sea State	Wind ripples
C8	30 Nov 2015	High Tide (ft)	4.93
C8	30 Nov 2015	High Tide Time	1123
C8	30 Nov 2015	Low Tide (ft)	2.5
C8	30 Nov 2015	Low Tide Time	536
C8	30 Nov 2015	Comments	Lobster floats; Kelp

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	07 Nov 2015	1	19.35	91.59	7.2	33.45	8.1	23.8	0.58
A1	07 Nov 2015	2	19.33	91.40	7.2	33.45	8.1	23.8	0.61
A1	07 Nov 2015	3	19.30	93.16	7.2	33.45	8.1	23.8	0.65
A1	07 Nov 2015	4	19.29	93.24	7.2	33.46	8.1	23.8	0.67
A1	07 Nov 2015	5	19.28	93.19	7.2	33.46	8.1	23.8	0.69
A1	07 Nov 2015	6	19.26	93.24	7.2	33.45	8.1	23.8	0.71
A1	07 Nov 2015	7	19.23	93.20	7.2	33.45	8.1	23.8	0.74
A1	07 Nov 2015	8	19.13	93.13	7.2	33.46	8.1	23.8	0.76
A1	07 Nov 2015	9	19.10	93.05	7.1	33.46	8.1	23.8	0.78
A1	07 Nov 2015	10	19.07	92.94	7.1	33.46	8.1	23.8	0.79
A1	07 Nov 2015	11	19.05	92.93	7.1	33.46	8.1	23.8	0.81
A1	07 Nov 2015	12	19.03	92.88	7.1	33.46	8.1	23.8	0.82
A1	07 Nov 2015	13	18.99	92.85	7.1	33.45	8.1	23.8	0.81
A1	07 Nov 2015	14	18.82	92.80	7.1	33.44	8.1	23.9	0.80
A1	07 Nov 2015	15	18.56	92.72	7.0	33.42	8.1	23.9	0.83
A1	07 Nov 2015	16	18.31	92.47	7.0	33.42	8.1	24.0	0.83
A1	07 Nov 2015	17	18.02	92.29	7.0	33.40	8.1	24.0	0.82
A1	07 Nov 2015	18	17.80	92.31	6.9	33.40	8.1	24.1	0.80
A1	07 Nov 2015	19	17.73	92.36	6.9	33.40	8.1	24.1	0.78
A1	12 Nov 2015	1	18.77	84.61	7.3	33.47	8.2	23.9	0.63
A1	12 Nov 2015	2	18.77	86.19	7.3	33.47	8.2	23.9	0.65
A1	12 Nov 2015	3	18.76	87.06	7.3	33.47	8.2	23.9	0.66
A1	12 Nov 2015	4	18.76	87.35	7.3	33.47	8.2	23.9	0.69
A1	12 Nov 2015	5	18.75	87.16	7.3	33.47	8.2	23.9	0.77
A1	12 Nov 2015	6	18.70	86.90	7.3	33.46	8.2	23.9	0.81
A1	12 Nov 2015	7	18.64	87.18	7.2	33.46	8.1	23.9	0.86
A1	12 Nov 2015	8	18.57	86.97	7.3	33.45	8.1	23.9	0.89
A1	12 Nov 2015	9	18.55	87.16	7.3	33.45	8.1	24.0	0.92
A1	12 Nov 2015	10	18.52	87.20	7.3	33.45	8.1	24.0	0.93
A1	12 Nov 2015	11	18.51	87.27	7.3	33.45	8.1	24.0	0.93
A1	12 Nov 2015	12	18.45	87.17	7.3	33.44	8.1	24.0	0.97
A1	12 Nov 2015	13	18.37	87.20	7.3	33.43	8.1	24.0	0.99
A1	12 Nov 2015	14	18.30	86.94	7.2	33.43	8.1	24.0	0.99
A1	12 Nov 2015	15	18.23	87.12	7.1	33.42	8.1	24.0	1.06
A1	12 Nov 2015	16	17.40	87.29	7.0	33.38	8.1	24.2	1.11
A1	12 Nov 2015	17	16.82	87.34	6.9	33.38	8.1	24.3	1.08
A1	12 Nov 2015	18	16.58	86.96	6.9	33.39	8.1	24.4	1.02
A1	12 Nov 2015	19	16.56	86.88	6.8	33.38	8.1	24.4	0.97
A1	20 Nov 2015	1	19.11	92.96	7.1	33.62	8.2	23.9	0.55
A1	20 Nov 2015	2	19.20	92.72	7.0	33.61	8.2	23.9	0.52
A1	20 Nov 2015	3	19.11	92.97	7.0	33.61	8.2	23.9	0.54
A1	20 Nov 2015	4	19.05	93.12	7.0	33.60	8.2	23.9	0.58
A1	20 Nov 2015	5	18.93	92.90	7.0	33.60	8.2	24.0	0.67
A1	20 Nov 2015	6	18.86	92.52	7.0	33.60	8.2	24.0	0.75
A1	20 Nov 2015	7	18.79	92.33	6.9	33.59	8.2	24.0	0.81
A1	20 Nov 2015	8	18.58	92.11	6.8	33.58	8.2	24.0	0.87
A1	20 Nov 2015	9	18.24	91.87	6.7	33.51	8.2	24.1	0.90
A1	20 Nov 2015	10	17.30	91.84	6.8	33.45	8.1	24.3	0.95
A1	20 Nov 2015	11	17.00	92.26	6.8	33.44	8.1	24.3	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A1	20 Nov 2015	12	16.91	92.43	6.8	33.43	8.1	24.3	1.05
A1	20 Nov 2015	13	16.85	92.29	6.8	33.43	8.1	24.3	1.08
A1	20 Nov 2015	14	16.83	92.32	6.8	33.43	8.1	24.4	1.11
A1	20 Nov 2015	15	16.82	92.15	6.7	33.44	8.1	24.4	1.12
A1	20 Nov 2015	16	16.79	92.21	6.7	33.44	8.1	24.4	1.17
A1	20 Nov 2015	17	16.78	92.16	6.6	33.44	8.1	24.4	1.08
A1	20 Nov 2015	18	16.79	92.08	6.6	33.44	8.1	24.4	1.03
A1	24 Nov 2015	1	19.31	88.15	7.3	33.60	8.2	23.9	0.33
A1	24 Nov 2015	2	19.25	89.00	7.3	33.60	8.2	23.9	0.34
A1	24 Nov 2015	3	19.20	89.23	7.3	33.60	8.2	23.9	0.34
A1	24 Nov 2015	4	19.19	89.29	7.3	33.60	8.2	23.9	0.37
A1	24 Nov 2015	5	19.07	89.24	7.2	33.59	8.2	23.9	0.44
A1	24 Nov 2015	6	18.90	88.85	7.3	33.58	8.2	24.0	0.55
A1	24 Nov 2015	7	18.71	87.96	7.3	33.59	8.2	24.0	0.58
A1	24 Nov 2015	8	18.59	87.17	7.3	33.58	8.2	24.0	0.64
A1	24 Nov 2015	9	18.43	86.42	7.3	33.58	8.2	24.1	0.72
A1	24 Nov 2015	10	18.37	85.67	7.3	33.58	8.2	24.1	0.79
A1	24 Nov 2015	11	18.31	85.49	7.3	33.58	8.2	24.1	0.85
A1	24 Nov 2015	12	18.28	85.31	7.3	33.58	8.2	24.1	0.84
A1	24 Nov 2015	13	18.27	85.28	7.3	33.58	8.2	24.1	0.90
A1	24 Nov 2015	14	18.26	85.42	7.3	33.59	8.2	24.1	0.87
A1	24 Nov 2015	15	18.26	85.41	7.3	33.59	8.2	24.1	0.87
A1	24 Nov 2015	16	18.25	85.60	7.3	33.59	8.2	24.1	0.82
A1	24 Nov 2015	17	18.26	85.48	7.3	33.59	8.2	24.1	0.80
A1	30 Nov 2015	1	18.22	86.76	7.2	33.60	8.2	24.1	1.44
A1	30 Nov 2015	2	18.23	86.79	7.2	33.60	8.2	24.1	1.47
A1	30 Nov 2015	3	18.24	86.84	7.2	33.60	8.2	24.1	1.51
A1	30 Nov 2015	4	18.24	86.90	7.2	33.60	8.2	24.1	1.54
A1	30 Nov 2015	5	18.23	86.83	7.2	33.60	8.2	24.1	1.55
A1	30 Nov 2015	6	18.23	86.85	7.2	33.60	8.2	24.1	1.55
A1	30 Nov 2015	7	18.23	86.95	7.2	33.60	8.2	24.1	1.55
A1	30 Nov 2015	8	18.23	86.88	7.2	33.60	8.2	24.1	1.57
A1	30 Nov 2015	9	18.23	86.93	7.2	33.60	8.2	24.1	1.59
A1	30 Nov 2015	10	18.23	86.95	7.2	33.60	8.2	24.1	1.54
A1	30 Nov 2015	11	18.23	86.90	7.2	33.60	8.2	24.1	1.56
A1	30 Nov 2015	12	18.23	86.82	7.2	33.60	8.2	24.1	1.54
A1	30 Nov 2015	13	18.23	86.59	7.2	33.60	8.2	24.1	1.46
A1	30 Nov 2015	14	18.22	86.96	7.2	33.60	8.2	24.1	1.36
A1	30 Nov 2015	15	18.23	86.98	7.1	33.60	8.2	24.1	1.35
A1	30 Nov 2015	16	18.23	86.97	7.1	33.60	8.2	24.1	1.33
A1	30 Nov 2015	17	18.23	86.96	7.1	33.60	8.2	24.1	1.29
A1	30 Nov 2015	18	18.23	86.91	7.1	33.60	8.2	24.1	1.29
A1	30 Nov 2015	19	18.23	86.87	7.1	33.60	8.2	24.1	1.26
C4	07 Nov 2015	1	19.46	87.27	6.9	33.49	8.1	23.8	0.64
C4	07 Nov 2015	2	19.39	87.26	6.8	33.48	8.1	23.8	0.74
C4	07 Nov 2015	3	19.33	86.60	6.8	33.49	8.1	23.8	0.87
C4	07 Nov 2015	4	19.32	85.05	6.7	33.50	8.1	23.8	1.02
C4	07 Nov 2015	5	19.30	80.61	6.7	33.51	8.1	23.8	1.12
C4	07 Nov 2015	6	19.25	75.02	6.7	33.51	8.1	23.8	1.12
C4	07 Nov 2015	7	19.19	71.80	6.7	33.52	8.1	23.8	0.95
C4	07 Nov 2015	8	19.09	71.54	6.6	33.52	8.1	23.9	0.83
C4	07 Nov 2015	9	18.99	70.51	6.2	33.50	8.1	23.9	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C4	07 Nov 2015	10	18.87	67.20	6.0	33.48	8.0	23.9	0.69
C4	12 Nov 2015	1	18.97	84.63	7.2	33.48	8.2	23.9	0.47
C4	12 Nov 2015	2	18.95	85.61	7.2	33.48	8.2	23.9	0.49
C4	12 Nov 2015	3	18.93	86.84	7.1	33.48	8.2	23.9	0.48
C4	12 Nov 2015	4	18.90	86.84	7.0	33.48	8.2	23.9	0.49
C4	12 Nov 2015	5	18.89	85.58	7.0	33.49	8.1	23.9	0.53
C4	12 Nov 2015	6	18.87	85.10	6.9	33.49	8.1	23.9	0.57
C4	12 Nov 2015	7	18.83	80.13	6.9	33.50	8.1	23.9	0.63
C4	12 Nov 2015	8	18.82	79.96	6.8	33.50	8.1	23.9	0.68
C4	12 Nov 2015	9	18.82	73.32	6.8	33.50	8.1	23.9	0.71
C4	12 Nov 2015	10	18.83	64.56	6.8	33.50	8.1	23.9	0.72
C4	12 Nov 2015	11	18.83	59.96	6.8	33.50	8.1	23.9	0.76
C4	20 Nov 2015	1	19.25	90.97	7.1	33.63	8.2	23.9	0.42
C4	20 Nov 2015	2	19.18	90.73	7.1	33.64	8.2	23.9	0.49
C4	20 Nov 2015	3	19.14	89.91	7.2	33.64	8.2	23.9	0.55
C4	20 Nov 2015	4	19.09	89.66	7.2	33.63	8.2	24.0	0.62
C4	20 Nov 2015	5	19.02	89.02	7.1	33.64	8.2	24.0	0.68
C4	20 Nov 2015	6	18.97	88.29	7.0	33.64	8.2	24.0	0.74
C4	20 Nov 2015	7	18.86	86.30	7.0	33.64	8.2	24.0	0.80
C4	20 Nov 2015	8	18.82	82.20	7.0	33.64	8.2	24.0	0.82
C4	20 Nov 2015	9	18.82	74.43	7.0	33.64	8.2	24.0	0.79
C4	20 Nov 2015	10	18.81	71.12	7.0	33.64	8.2	24.0	0.82
C4	24 Nov 2015	1	18.48	81.99	7.3	33.61	8.2	24.1	0.96
C4	24 Nov 2015	2	18.44	81.81	7.3	33.61	8.2	24.1	0.99
C4	24 Nov 2015	3	18.43	81.45	7.4	33.61	8.2	24.1	1.01
C4	24 Nov 2015	4	18.46	81.71	7.4	33.61	8.2	24.1	1.00
C4	24 Nov 2015	5	18.46	81.74	7.3	33.61	8.2	24.1	1.00
C4	24 Nov 2015	6	18.41	82.40	7.4	33.61	8.2	24.1	1.01
C4	24 Nov 2015	7	18.37	82.57	7.4	33.62	8.2	24.1	1.01
C4	24 Nov 2015	8	18.37	82.37	7.4	33.62	8.2	24.1	0.91
C4	24 Nov 2015	9	18.37	82.16	7.4	33.62	8.2	24.1	0.87
C4	30 Nov 2015	1	17.95	85.15	7.3	33.63	8.2	24.2	0.65
C4	30 Nov 2015	2	17.95	85.15	7.3	33.63	8.2	24.2	0.68
C4	30 Nov 2015	3	17.94	84.90	7.3	33.63	8.2	24.2	0.74
C4	30 Nov 2015	4	17.93	85.03	7.3	33.62	8.2	24.2	0.77
C4	30 Nov 2015	5	17.92	84.87	7.3	33.62	8.2	24.2	0.82
C4	30 Nov 2015	6	17.86	84.34	7.3	33.63	8.2	24.3	0.86
C4	30 Nov 2015	7	17.76	83.14	7.2	33.63	8.2	24.3	0.86
C4	30 Nov 2015	8	17.48	79.37	7.2	33.65	8.1	24.4	0.85
C4	30 Nov 2015	9	17.42	71.32	7.2	33.66	8.1	24.4	0.82
C4	30 Nov 2015	10	17.41	62.88	7.2	33.66	8.1	24.4	0.86
C4	30 Nov 2015	11	17.42	58.70	7.2	33.66	8.1	24.4	0.93
C5	07 Nov 2015	1	19.54	89.58	7.0	33.48	8.1	23.7	0.56
C5	07 Nov 2015	2	19.46	89.51	7.0	33.48	8.1	23.7	0.66
C5	07 Nov 2015	3	19.39	89.36	6.9	33.47	8.1	23.8	0.83
C5	07 Nov 2015	4	19.36	88.50	6.9	33.47	8.1	23.8	0.94
C5	07 Nov 2015	5	19.34	86.86	6.8	33.47	8.1	23.8	0.96
C5	07 Nov 2015	6	19.31	85.22	6.7	33.47	8.1	23.8	0.83
C5	07 Nov 2015	7	19.13	84.95	6.3	33.45	8.1	23.8	0.72
C5	07 Nov 2015	8	18.74	85.53	6.2	33.43	8.1	23.9	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C5	07 Nov 2015	9	18.65	84.01	6.1	33.43	8.1	23.9	0.69
C5	07 Nov 2015	10	18.62	75.01	6.1	33.43	8.1	23.9	0.69
C5	12 Nov 2015	1	18.93	84.65	7.1	33.48	8.2	23.9	0.50
C5	12 Nov 2015	2	18.92	84.67	7.0	33.48	8.1	23.9	0.53
C5	12 Nov 2015	3	18.90	84.76	7.1	33.49	8.2	23.9	0.56
C5	12 Nov 2015	4	18.89	84.43	7.0	33.49	8.2	23.9	0.61
C5	12 Nov 2015	5	18.89	84.18	7.0	33.49	8.1	23.9	0.66
C5	12 Nov 2015	6	18.88	84.26	7.0	33.49	8.1	23.9	0.66
C5	12 Nov 2015	7	18.88	84.03	7.0	33.49	8.1	23.9	0.67
C5	12 Nov 2015	8	18.85	83.60	7.0	33.49	8.1	23.9	0.64
C5	12 Nov 2015	9	18.84	81.11	6.9	33.49	8.1	23.9	0.66
C5	12 Nov 2015	10	18.83	80.92	6.9	33.49	8.1	23.9	0.63
C5	12 Nov 2015	11	18.83	80.35	6.9	33.48	8.1	23.9	0.61
C5	20 Nov 2015	1	19.32	91.27	7.1	33.64	8.2	23.9	0.43
C5	20 Nov 2015	2	19.31	91.31	7.1	33.64	8.2	23.9	0.44
C5	20 Nov 2015	3	19.27	91.89	7.1	33.64	8.2	23.9	0.48
C5	20 Nov 2015	4	19.24	91.71	7.2	33.64	8.2	23.9	0.53
C5	20 Nov 2015	5	19.23	91.19	7.2	33.64	8.2	23.9	0.58
C5	20 Nov 2015	6	19.20	90.80	7.2	33.64	8.2	23.9	0.63
C5	20 Nov 2015	7	19.18	90.45	7.2	33.64	8.2	23.9	0.67
C5	20 Nov 2015	8	19.16	89.81	7.1	33.64	8.2	23.9	0.71
C5	20 Nov 2015	9	19.13	86.61	7.0	33.63	8.2	23.9	0.77
C5	20 Nov 2015	10	19.00	84.14	7.0	33.63	8.2	24.0	0.84
C5	24 Nov 2015	1	19.12	87.63	7.2	33.64	8.2	23.9	0.51
C5	24 Nov 2015	2	19.04	87.60	7.3	33.63	8.2	24.0	0.55
C5	24 Nov 2015	3	18.81	87.01	7.3	33.61	8.2	24.0	0.62
C5	24 Nov 2015	4	18.69	85.64	7.4	33.61	8.2	24.0	0.65
C5	24 Nov 2015	5	18.56	84.84	7.5	33.61	8.2	24.1	0.65
C5	24 Nov 2015	6	18.55	84.41	7.5	33.61	8.2	24.1	0.70
C5	24 Nov 2015	7	18.55	84.25	7.5	33.61	8.2	24.1	0.64
C5	24 Nov 2015	8	18.55	84.29	7.6	33.61	8.2	24.1	0.59
C5	24 Nov 2015	9	18.54	83.94	7.6	33.62	8.2	24.1	0.61
C5	30 Nov 2015	1	18.02	86.68	7.2	33.63	8.2	24.2	0.74
C5	30 Nov 2015	2	18.02	86.58	7.2	33.63	8.2	24.2	0.78
C5	30 Nov 2015	3	18.01	86.54	7.3	33.63	8.2	24.2	0.82
C5	30 Nov 2015	4	18.00	86.44	7.3	33.63	8.2	24.2	0.87
C5	30 Nov 2015	5	17.99	86.48	7.3	33.63	8.2	24.2	0.91
C5	30 Nov 2015	6	17.97	86.34	7.3	33.63	8.2	24.2	0.98
C5	30 Nov 2015	7	17.96	86.11	7.3	33.63	8.2	24.2	1.01
C5	30 Nov 2015	8	17.94	85.63	7.3	33.63	8.2	24.2	0.97
C5	30 Nov 2015	9	17.92	84.83	7.3	33.63	8.2	24.2	0.86
C5	30 Nov 2015	10	17.88	83.29	7.2	33.64	8.2	24.3	0.78
C5	30 Nov 2015	11	17.85	78.20	7.2	33.65	8.1	24.3	0.74
A6	07 Nov 2015	1	19.49	90.24	7.0	33.47	8.1	23.7	0.78
A6	07 Nov 2015	2	19.49	90.28	7.1	33.47	8.1	23.7	0.86
A6	07 Nov 2015	3	19.49	90.03	7.1	33.47	8.1	23.7	0.87
A6	07 Nov 2015	4	19.49	90.00	7.1	33.47	8.1	23.7	0.89
A6	07 Nov 2015	5	19.48	90.12	7.1	33.47	8.1	23.7	0.95
A6	07 Nov 2015	6	19.47	90.12	7.1	33.47	8.1	23.7	0.97
A6	07 Nov 2015	7	19.47	90.03	7.1	33.46	8.1	23.7	0.98

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A6	07 Nov 2015	8	19.44	89.79	7.1	33.47	8.1	23.7	0.97
A6	07 Nov 2015	9	19.43	90.37	7.1	33.47	8.1	23.7	0.97
A6	07 Nov 2015	10	19.43	90.52	7.0	33.47	8.1	23.7	0.97
A6	07 Nov 2015	11	19.41	90.63	7.1	33.47	8.1	23.7	0.93
A6	07 Nov 2015	12	19.41	90.58	7.1	33.47	8.1	23.7	0.93
A6	07 Nov 2015	13	19.40	90.72	7.0	33.47	8.1	23.7	0.92
A6	07 Nov 2015	14	19.37	90.79	7.1	33.46	8.1	23.8	0.91
A6	07 Nov 2015	15	19.32	90.88	7.1	33.46	8.1	23.8	0.88
A6	07 Nov 2015	16	19.28	91.00	7.0	33.46	8.1	23.8	0.85
A6	07 Nov 2015	17	19.00	91.14	6.9	33.44	8.1	23.8	0.75
A6	07 Nov 2015	18	18.77	91.22	6.8	33.43	8.1	23.9	0.66
A6	07 Nov 2015	19	18.38	91.41	6.8	33.41	8.1	24.0	0.59
A6	07 Nov 2015	20	18.12	91.75	6.7	33.41	8.1	24.0	0.56
A6	12 Nov 2015	1	18.93	84.55	7.2	33.49	8.2	23.9	0.87
A6	12 Nov 2015	2	18.93	84.55	7.2	33.49	8.2	23.9	0.91
A6	12 Nov 2015	3	18.92	84.63	7.2	33.49	8.2	23.9	0.95
A6	12 Nov 2015	4	18.92	84.59	7.2	33.49	8.2	23.9	0.97
A6	12 Nov 2015	5	18.92	84.82	7.2	33.49	8.2	23.9	1.04
A6	12 Nov 2015	6	18.91	85.15	7.2	33.49	8.2	23.9	1.05
A6	12 Nov 2015	7	18.91	85.20	7.2	33.49	8.2	23.9	1.06
A6	12 Nov 2015	8	18.91	85.17	7.2	33.49	8.2	23.9	1.06
A6	12 Nov 2015	9	18.90	85.23	7.2	33.49	8.2	23.9	1.05
A6	12 Nov 2015	10	18.88	85.39	7.2	33.49	8.2	23.9	1.04
A6	12 Nov 2015	11	18.87	85.54	7.2	33.49	8.2	23.9	1.01
A6	12 Nov 2015	12	18.84	85.75	7.1	33.48	8.2	23.9	0.96
A6	12 Nov 2015	13	18.81	86.15	7.1	33.48	8.2	23.9	0.92
A6	12 Nov 2015	14	18.75	86.50	7.1	33.47	8.2	23.9	0.90
A6	12 Nov 2015	15	18.68	86.78	7.0	33.45	8.2	23.9	0.90
A6	12 Nov 2015	16	18.44	86.61	7.0	33.44	8.1	24.0	0.91
A6	12 Nov 2015	17	18.33	86.55	6.9	33.44	8.1	24.0	0.89
A6	12 Nov 2015	18	18.20	86.74	6.9	33.42	8.1	24.0	0.87
A6	12 Nov 2015	19	17.83	86.64	6.8	33.40	8.1	24.1	0.86
A6	12 Nov 2015	20	17.55	86.58	6.7	33.39	8.1	24.1	0.86
A6	20 Nov 2015	1	19.33	92.45	7.1	33.64	8.2	23.9	0.47
A6	20 Nov 2015	2	19.33	92.47	7.1	33.64	8.2	23.9	0.48
A6	20 Nov 2015	3	19.31	92.02	7.1	33.64	8.2	23.9	0.53
A6	20 Nov 2015	4	19.29	92.49	7.2	33.64	8.2	23.9	0.59
A6	20 Nov 2015	5	19.29	92.32	7.1	33.64	8.2	23.9	0.63
A6	20 Nov 2015	6	19.27	92.23	7.1	33.64	8.2	23.9	0.69
A6	20 Nov 2015	7	19.21	92.16	7.0	33.63	8.2	23.9	0.72
A6	20 Nov 2015	8	19.12	91.99	6.9	33.62	8.2	23.9	0.73
A6	20 Nov 2015	9	18.93	91.90	6.7	33.61	8.2	24.0	0.71
A6	20 Nov 2015	10	18.54	91.84	6.6	33.54	8.2	24.0	0.72
A6	20 Nov 2015	11	17.75	91.66	6.6	33.51	8.1	24.2	0.77
A6	20 Nov 2015	12	17.39	91.63	6.7	33.49	8.1	24.3	0.84
A6	20 Nov 2015	13	17.15	91.50	6.7	33.45	8.1	24.3	0.93
A6	20 Nov 2015	14	17.02	91.25	6.8	33.46	8.1	24.3	0.98
A6	20 Nov 2015	15	16.99	91.46	6.7	33.45	8.1	24.3	1.01
A6	20 Nov 2015	16	16.93	91.65	6.7	33.44	8.1	24.3	1.06
A6	20 Nov 2015	17	16.88	91.83	6.7	33.44	8.1	24.3	1.05
A6	20 Nov 2015	18	16.87	92.07	6.7	33.45	8.1	24.4	1.04
A6	20 Nov 2015	19	16.95	92.27	6.7	33.46	8.1	24.3	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A6	24 Nov 2015	1	19.55	89.53	7.4	33.63	8.2	23.8	0.36
A6	24 Nov 2015	2	19.43	89.49	7.3	33.62	8.2	23.9	0.40
A6	24 Nov 2015	3	19.30	89.55	7.3	33.62	8.2	23.9	0.42
A6	24 Nov 2015	4	19.26	89.40	7.3	33.62	8.2	23.9	0.52
A6	24 Nov 2015	5	19.24	88.61	7.3	33.62	8.2	23.9	0.53
A6	24 Nov 2015	6	19.20	87.72	7.3	33.62	8.2	23.9	0.55
A6	24 Nov 2015	7	19.18	88.71	7.3	33.62	8.2	23.9	0.55
A6	24 Nov 2015	8	19.16	89.07	7.3	33.62	8.2	23.9	0.56
A6	24 Nov 2015	9	19.16	89.10	7.4	33.62	8.2	23.9	0.59
A6	24 Nov 2015	10	19.14	89.20	7.3	33.62	8.2	23.9	0.59
A6	24 Nov 2015	11	19.14	89.08	7.3	33.61	8.2	23.9	0.60
A6	24 Nov 2015	12	19.13	89.09	7.3	33.61	8.2	23.9	0.60
A6	24 Nov 2015	13	19.11	89.20	7.3	33.61	8.2	23.9	0.55
A6	24 Nov 2015	14	19.09	89.20	7.2	33.61	8.2	23.9	0.49
A6	24 Nov 2015	15	19.04	89.15	7.2	33.61	8.2	23.9	0.44
A6	24 Nov 2015	16	19.02	88.98	7.1	33.61	8.2	24.0	0.42
A6	24 Nov 2015	17	19.01	88.98	7.2	33.61	8.2	24.0	0.42
A6	30 Nov 2015	1	18.24	86.47	7.3	33.60	8.2	24.1	1.36
A6	30 Nov 2015	2	18.24	86.65	7.2	33.60	8.2	24.1	1.42
A6	30 Nov 2015	3	18.24	86.65	7.2	33.60	8.2	24.1	1.49
A6	30 Nov 2015	4	18.24	86.67	7.3	33.60	8.2	24.1	1.54
A6	30 Nov 2015	5	18.24	86.70	7.3	33.60	8.2	24.1	1.58
A6	30 Nov 2015	6	18.24	86.71	7.2	33.60	8.2	24.1	1.60
A6	30 Nov 2015	7	18.24	86.69	7.2	33.60	8.2	24.1	1.64
A6	30 Nov 2015	8	18.24	86.63	7.3	33.60	8.2	24.1	1.66
A6	30 Nov 2015	9	18.24	86.72	7.2	33.60	8.2	24.1	1.68
A6	30 Nov 2015	10	18.24	86.71	7.2	33.60	8.2	24.1	1.67
A6	30 Nov 2015	11	18.24	86.76	7.2	33.60	8.2	24.1	1.63
A6	30 Nov 2015	12	18.24	86.72	7.2	33.60	8.2	24.1	1.62
A6	30 Nov 2015	13	18.24	86.73	7.2	33.60	8.2	24.1	1.61
A6	30 Nov 2015	14	18.24	86.67	7.2	33.60	8.2	24.1	1.58
A6	30 Nov 2015	15	18.24	86.62	7.2	33.60	8.2	24.1	1.54
A6	30 Nov 2015	16	18.24	86.62	7.2	33.60	8.2	24.1	1.42
A6	30 Nov 2015	17	18.24	86.49	7.2	33.60	8.2	24.1	1.40
A6	30 Nov 2015	18	18.24	86.29	7.2	33.60	8.2	24.1	1.37
C6	07 Nov 2015	1	19.45	87.07	6.8	33.46	8.1	23.7	0.59
C6	07 Nov 2015	2	19.44	87.05	6.7	33.45	8.1	23.7	0.64
C6	07 Nov 2015	3	19.41	87.03	6.7	33.45	8.1	23.7	0.74
C6	07 Nov 2015	4	19.39	86.90	6.7	33.45	8.1	23.7	0.78
C6	07 Nov 2015	5	19.38	86.53	6.7	33.45	8.1	23.7	0.78
C6	07 Nov 2015	6	19.36	86.50	6.5	33.45	8.1	23.7	0.71
C6	07 Nov 2015	7	19.25	86.61	6.1	33.45	8.1	23.8	0.65
C6	07 Nov 2015	8	19.07	86.83	5.9	33.44	8.1	23.8	0.64
C6	07 Nov 2015	9	19.00	86.52	5.9	33.44	8.0	23.8	0.59
C6	07 Nov 2015	10	19.00	86.13	5.9	33.44	8.0	23.8	0.57
C6	12 Nov 2015	1	18.98	81.89	6.8	33.51	8.1	23.9	0.54
C6	12 Nov 2015	2	18.93	81.97	6.8	33.51	8.1	23.9	0.62
C6	12 Nov 2015	3	18.90	80.99	6.8	33.51	8.1	23.9	0.71
C6	12 Nov 2015	4	18.89	80.22	6.8	33.51	8.1	23.9	0.75
C6	12 Nov 2015	5	18.88	79.43	6.8	33.51	8.1	23.9	0.75
C6	12 Nov 2015	6	18.87	78.69	6.8	33.51	8.1	23.9	0.78
C6	12 Nov 2015	7	18.86	78.76	6.8	33.51	8.1	23.9	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C6	12 Nov 2015	8	18.86	78.54	6.8	33.51	8.1	23.9	0.82
C6	20 Nov 2015	1	19.24	89.16	7.2	33.63	8.2	23.9	0.44
C6	20 Nov 2015	2	19.22	89.09	7.1	33.63	8.2	23.9	0.46
C6	20 Nov 2015	3	19.19	89.15	7.2	33.63	8.2	23.9	0.52
C6	20 Nov 2015	4	19.18	89.07	7.2	33.63	8.2	23.9	0.55
C6	20 Nov 2015	5	19.17	88.91	7.2	33.63	8.2	23.9	0.60
C6	20 Nov 2015	6	19.17	88.97	7.2	33.63	8.2	23.9	0.63
C6	20 Nov 2015	7	19.17	88.81	7.2	33.63	8.2	23.9	0.61
C6	20 Nov 2015	8	19.16	88.72	7.2	33.63	8.2	23.9	0.60
C6	20 Nov 2015	9	19.16	88.67	7.2	33.63	8.2	23.9	0.58
C6	24 Nov 2015	1	19.59	89.16	7.3	33.64	8.2	23.8	0.40
C6	24 Nov 2015	2	19.56	89.08	7.3	33.64	8.2	23.8	0.40
C6	24 Nov 2015	3	19.51	88.85	7.5	33.64	8.2	23.8	0.37
C6	24 Nov 2015	4	19.42	88.18	7.7	33.63	8.2	23.9	0.33
C6	24 Nov 2015	5	19.35	87.75	7.6	33.63	8.2	23.9	0.33
C6	24 Nov 2015	6	19.24	88.06	7.6	33.62	8.2	23.9	0.37
C6	24 Nov 2015	7	19.01	87.60	7.8	33.61	8.2	24.0	0.41
C6	24 Nov 2015	8	18.91	84.24	7.9	33.62	8.2	24.0	0.45
C6	24 Nov 2015	9	18.92	83.84	7.9	33.62	8.2	24.0	0.46
C6	30 Nov 2015	1	17.97	84.01	7.2	33.64	8.2	24.2	0.83
C6	30 Nov 2015	2	17.97	83.56	7.2	33.64	8.2	24.2	0.89
C6	30 Nov 2015	3	17.95	83.97	7.2	33.64	8.2	24.2	0.97
C6	30 Nov 2015	4	17.94	83.81	7.2	33.64	8.2	24.2	1.01
C6	30 Nov 2015	5	17.91	83.94	7.2	33.64	8.2	24.2	1.02
C6	30 Nov 2015	6	17.87	84.03	7.2	33.64	8.2	24.3	1.00
C6	30 Nov 2015	7	17.79	84.09	7.3	33.64	8.2	24.3	0.93
C6	30 Nov 2015	8	17.75	83.97	7.3	33.65	8.2	24.3	0.88
C6	30 Nov 2015	9	17.75	82.79	7.3	33.65	8.2	24.3	0.83
C6	30 Nov 2015	10	17.75	81.35	7.3	33.65	8.2	24.3	0.82
A7	07 Nov 2015	1	19.41	92.37	7.1	33.47	8.1	23.7	0.61
A7	07 Nov 2015	2	19.39	92.24	7.2	33.47	8.1	23.7	0.66
A7	07 Nov 2015	3	19.36	92.57	7.2	33.47	8.1	23.8	0.68
A7	07 Nov 2015	4	19.35	92.46	7.1	33.47	8.1	23.8	0.70
A7	07 Nov 2015	5	19.34	92.62	7.1	33.46	8.1	23.8	0.73
A7	07 Nov 2015	6	19.31	92.63	7.1	33.46	8.1	23.8	0.74
A7	07 Nov 2015	7	19.30	92.61	7.1	33.46	8.1	23.8	0.77
A7	07 Nov 2015	8	19.29	92.66	7.1	33.46	8.1	23.8	0.78
A7	07 Nov 2015	9	19.28	92.55	7.2	33.46	8.1	23.8	0.80
A7	07 Nov 2015	10	19.27	92.55	7.2	33.46	8.1	23.8	0.81
A7	07 Nov 2015	11	19.25	92.50	7.1	33.46	8.1	23.8	0.81
A7	07 Nov 2015	12	19.19	92.52	7.1	33.46	8.1	23.8	0.82
A7	07 Nov 2015	13	19.16	92.55	7.1	33.46	8.1	23.8	0.85
A7	07 Nov 2015	14	19.03	92.60	7.1	33.44	8.1	23.8	0.90
A7	07 Nov 2015	15	18.85	92.54	7.1	33.44	8.1	23.9	0.87
A7	07 Nov 2015	16	18.73	92.26	7.1	33.43	8.1	23.9	0.83
A7	07 Nov 2015	17	18.49	92.29	7.0	33.41	8.1	23.9	0.80
A7	07 Nov 2015	18	18.19	92.26	7.0	33.41	8.1	24.0	0.79
A7	07 Nov 2015	19	17.87	92.04	7.0	33.39	8.1	24.1	0.74
A7	07 Nov 2015	20	17.71	91.80	6.9	33.40	8.1	24.1	0.77
A7	12 Nov 2015	1	18.82	85.11	7.3	33.48	8.2	23.9	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A7	12 Nov 2015	2	18.82	85.17	7.3	33.48	8.2	23.9	0.74
A7	12 Nov 2015	3	18.82	85.15	7.2	33.48	8.2	23.9	0.82
A7	12 Nov 2015	4	18.82	85.39	7.3	33.48	8.2	23.9	0.82
A7	12 Nov 2015	5	18.82	85.25	7.3	33.48	8.2	23.9	0.86
A7	12 Nov 2015	6	18.82	85.60	7.3	33.48	8.2	23.9	0.90
A7	12 Nov 2015	7	18.82	84.94	7.2	33.48	8.2	23.9	0.89
A7	12 Nov 2015	8	18.82	84.87	7.1	33.48	8.2	23.9	0.88
A7	12 Nov 2015	9	18.82	85.33	7.2	33.48	8.2	23.9	0.90
A7	12 Nov 2015	10	18.82	86.05	7.2	33.48	8.2	23.9	0.95
A7	12 Nov 2015	11	18.80	86.13	7.2	33.47	8.2	23.9	1.05
A7	12 Nov 2015	12	18.75	87.09	7.2	33.47	8.2	23.9	0.97
A7	12 Nov 2015	13	18.62	87.19	7.2	33.44	8.2	23.9	0.98
A7	12 Nov 2015	14	18.29	87.31	7.2	33.41	8.1	24.0	1.02
A7	12 Nov 2015	15	18.01	87.04	7.0	33.38	8.1	24.0	1.07
A7	12 Nov 2015	16	17.54	87.05	7.0	33.38	8.1	24.1	1.06
A7	12 Nov 2015	17	17.20	87.14	6.8	33.38	8.1	24.2	0.97
A7	12 Nov 2015	18	16.83	86.71	6.7	33.39	8.1	24.3	0.92
A7	12 Nov 2015	19	16.72	86.32	6.7	33.38	8.1	24.3	0.88
A7	12 Nov 2015	20	16.68	85.76	6.7	33.39	8.1	24.4	0.89
A7	20 Nov 2015	1	19.36	92.49	7.2	33.62	8.2	23.9	0.41
A7	20 Nov 2015	2	19.35	92.91	7.2	33.62	8.2	23.9	0.42
A7	20 Nov 2015	3	19.35	93.13	7.2	33.62	8.2	23.9	0.46
A7	20 Nov 2015	4	19.35	93.12	7.2	33.62	8.2	23.9	0.50
A7	20 Nov 2015	5	19.35	93.28	7.1	33.62	8.2	23.9	0.92
A7	20 Nov 2015	6	19.34	93.39	7.2	33.62	8.2	23.9	0.51
A7	20 Nov 2015	7	19.34	93.70	7.2	33.62	8.2	23.9	0.51
A7	20 Nov 2015	8	19.33	93.72	7.1	33.62	8.2	23.9	0.53
A7	20 Nov 2015	9	19.29	93.70	7.1	33.62	8.2	23.9	0.55
A7	20 Nov 2015	10	19.19	93.62	7.0	33.62	8.2	23.9	0.63
A7	20 Nov 2015	11	19.07	93.52	7.0	33.61	8.2	23.9	0.73
A7	20 Nov 2015	12	18.84	93.08	6.8	33.60	8.2	24.0	0.76
A7	20 Nov 2015	13	18.54	92.45	6.7	33.57	8.2	24.0	0.77
A7	20 Nov 2015	14	17.91	92.01	6.6	33.49	8.2	24.1	0.83
A7	20 Nov 2015	15	17.27	91.47	6.7	33.48	8.1	24.3	0.91
A7	20 Nov 2015	16	17.00	91.63	6.7	33.44	8.1	24.3	0.97
A7	20 Nov 2015	17	16.82	91.73	6.7	33.44	8.1	24.4	1.01
A7	20 Nov 2015	18	16.79	91.83	6.7	33.44	8.1	24.4	0.99
A7	20 Nov 2015	19	16.78	92.11	6.6	33.44	8.1	24.4	0.97
A7	20 Nov 2015	20	16.78	92.13	6.6	33.44	8.1	24.4	0.95
A7	24 Nov 2015	1	19.49	88.98	7.5	33.64	8.2	23.9	0.46
A7	24 Nov 2015	2	19.45	88.62	7.4	33.64	8.2	23.9	0.45
A7	24 Nov 2015	3	19.38	88.94	7.3	33.64	8.2	23.9	0.45
A7	24 Nov 2015	4	19.34	89.01	7.3	33.64	8.2	23.9	0.50
A7	24 Nov 2015	5	19.30	88.98	7.3	33.64	8.2	23.9	0.49
A7	24 Nov 2015	6	19.29	89.04	7.3	33.64	8.2	23.9	0.53
A7	24 Nov 2015	7	19.23	89.03	7.3	33.64	8.2	23.9	0.54
A7	24 Nov 2015	8	19.18	89.03	7.2	33.63	8.2	23.9	0.52
A7	24 Nov 2015	9	19.08	88.87	7.2	33.63	8.2	24.0	0.54
A7	24 Nov 2015	10	18.90	88.76	7.2	33.61	8.2	24.0	0.57
A7	24 Nov 2015	11	18.63	88.30	7.3	33.60	8.2	24.0	0.63
A7	24 Nov 2015	12	18.49	87.71	7.3	33.60	8.2	24.1	0.67
A7	24 Nov 2015	13	18.45	87.38	7.3	33.60	8.2	24.1	0.68
A7	24 Nov 2015	14	18.42	87.23	7.3	33.60	8.2	24.1	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A7	24 Nov 2015	15	18.41	86.80	7.2	33.60	8.2	24.1	0.71
A7	24 Nov 2015	16	18.39	86.48	7.3	33.60	8.2	24.1	0.68
A7	24 Nov 2015	17	18.37	86.53	7.3	33.60	8.2	24.1	0.66
A7	24 Nov 2015	18	18.37	86.43	7.3	33.60	8.2	24.1	0.70
A7	24 Nov 2015	19	18.38	86.61	7.3	33.60	8.2	24.1	0.66
A7	30 Nov 2015	1	18.24	86.73	7.3	33.60	8.2	24.1	1.31
A7	30 Nov 2015	2	18.25	86.78	7.3	33.60	8.2	24.1	1.39
A7	30 Nov 2015	3	18.25	86.75	7.2	33.60	8.2	24.1	1.49
A7	30 Nov 2015	4	18.25	86.78	7.3	33.60	8.2	24.1	1.56
A7	30 Nov 2015	5	18.25	86.78	7.3	33.60	8.2	24.1	1.63
A7	30 Nov 2015	6	18.25	86.80	7.2	33.60	8.2	24.1	1.65
A7	30 Nov 2015	7	18.25	86.80	7.2	33.60	8.2	24.1	1.67
A7	30 Nov 2015	8	18.25	86.75	7.3	33.60	8.2	24.1	1.67
A7	30 Nov 2015	9	18.25	86.69	7.3	33.60	8.2	24.1	1.65
A7	30 Nov 2015	10	18.25	86.77	7.3	33.60	8.2	24.1	1.64
A7	30 Nov 2015	11	18.25	86.77	7.3	33.60	8.2	24.1	1.62
A7	30 Nov 2015	12	18.25	86.79	7.3	33.60	8.2	24.1	1.64
A7	30 Nov 2015	13	18.25	86.81	7.2	33.60	8.2	24.1	1.62
A7	30 Nov 2015	14	18.25	86.83	7.2	33.60	8.2	24.1	1.59
A7	30 Nov 2015	15	18.25	86.80	7.2	33.60	8.2	24.1	1.57
A7	30 Nov 2015	16	18.25	86.82	7.2	33.60	8.2	24.1	1.53
A7	30 Nov 2015	17	18.25	86.83	7.2	33.60	8.2	24.1	1.43
A7	30 Nov 2015	18	18.24	86.77	7.1	33.60	8.2	24.1	1.31
C7	07 Nov 2015	1	19.61	90.48	7.1	33.46	8.2	23.7	0.56
C7	07 Nov 2015	2	19.61	90.53	7.1	33.46	8.2	23.7	0.57
C7	07 Nov 2015	3	19.61	90.55	7.1	33.46	8.2	23.7	0.63
C7	07 Nov 2015	4	19.60	90.73	7.1	33.46	8.2	23.7	0.71
C7	07 Nov 2015	5	19.59	90.78	7.1	33.46	8.2	23.7	0.81
C7	07 Nov 2015	6	19.57	90.76	7.1	33.46	8.2	23.7	0.91
C7	07 Nov 2015	7	19.56	90.45	7.1	33.46	8.2	23.7	0.95
C7	07 Nov 2015	8	19.53	90.40	7.0	33.45	8.1	23.7	1.10
C7	07 Nov 2015	9	19.39	90.29	6.9	33.45	8.1	23.7	1.26
C7	07 Nov 2015	10	19.22	89.97	6.8	33.44	8.1	23.8	1.23
C7	07 Nov 2015	11	19.03	89.48	6.8	33.43	8.1	23.8	1.11
C7	07 Nov 2015	12	18.87	89.24	6.8	33.43	8.1	23.9	1.02
C7	07 Nov 2015	13	18.71	89.56	6.9	33.42	8.1	23.9	0.95
C7	07 Nov 2015	14	18.54	90.16	6.9	33.41	8.1	23.9	0.91
C7	07 Nov 2015	15	18.40	90.72	6.9	33.41	8.1	24.0	0.87
C7	07 Nov 2015	16	18.26	91.34	6.8	33.40	8.1	24.0	0.77
C7	07 Nov 2015	17	18.12	91.52	6.7	33.40	8.1	24.0	0.64
C7	07 Nov 2015	18	17.99	91.50	6.6	33.40	8.1	24.0	0.56
C7	07 Nov 2015	19	17.98	91.44	6.5	33.40	8.1	24.1	0.55
C7	12 Nov 2015	1	18.90	81.34	7.1	33.49	8.1	23.9	0.92
C7	12 Nov 2015	2	18.90	81.12	7.1	33.49	8.1	23.9	1.00
C7	12 Nov 2015	3	18.89	81.11	7.1	33.49	8.1	23.9	1.11
C7	12 Nov 2015	4	18.89	81.79	7.1	33.49	8.1	23.9	1.11
C7	12 Nov 2015	5	18.89	81.56	7.1	33.49	8.1	23.9	1.14
C7	12 Nov 2015	6	18.89	80.60	7.1	33.49	8.1	23.9	1.19
C7	12 Nov 2015	7	18.88	81.08	7.0	33.49	8.1	23.9	1.18
C7	12 Nov 2015	8	18.88	81.16	7.0	33.49	8.1	23.9	1.14
C7	12 Nov 2015	9	18.87	82.26	7.0	33.48	8.1	23.9	1.08
C7	12 Nov 2015	10	18.85	82.88	7.0	33.48	8.1	23.9	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	12 Nov 2015	11	18.81	83.12	7.0	33.47	8.1	23.9	1.05
C7	12 Nov 2015	12	18.73	83.72	7.0	33.46	8.1	23.9	1.00
C7	12 Nov 2015	13	18.66	83.99	6.9	33.45	8.1	23.9	0.95
C7	12 Nov 2015	14	18.58	84.20	6.7	33.44	8.1	23.9	0.90
C7	12 Nov 2015	15	18.40	83.75	6.5	33.42	8.1	24.0	0.84
C7	12 Nov 2015	16	18.12	83.16	6.6	33.41	8.1	24.0	0.84
C7	12 Nov 2015	17	18.03	83.68	6.5	33.40	8.1	24.0	0.81
C7	12 Nov 2015	18	17.43	84.02	6.6	33.39	8.1	24.2	0.74
C7	20 Nov 2015	1	19.48	93.08	7.1	33.63	8.2	23.9	0.35
C7	20 Nov 2015	2	19.48	93.08	7.1	33.63	8.2	23.9	0.37
C7	20 Nov 2015	3	19.46	93.01	7.2	33.63	8.2	23.9	0.41
C7	20 Nov 2015	4	19.45	93.03	7.1	33.63	8.2	23.9	0.45
C7	20 Nov 2015	5	19.45	93.06	7.1	33.63	8.2	23.9	0.51
C7	20 Nov 2015	6	19.44	93.04	7.2	33.63	8.2	23.9	0.56
C7	20 Nov 2015	7	19.44	93.03	7.1	33.63	8.2	23.9	0.56
C7	20 Nov 2015	8	19.44	92.97	7.1	33.63	8.2	23.9	0.57
C7	20 Nov 2015	9	19.44	92.96	7.1	33.63	8.2	23.9	0.58
C7	20 Nov 2015	10	19.44	92.94	7.1	33.63	8.2	23.9	0.58
C7	20 Nov 2015	11	19.43	92.90	7.1	33.63	8.2	23.9	0.59
C7	20 Nov 2015	12	19.43	92.98	7.1	33.63	8.2	23.9	0.58
C7	20 Nov 2015	13	19.43	92.95	7.1	33.63	8.2	23.9	0.61
C7	20 Nov 2015	14	19.43	92.77	7.0	33.63	8.2	23.9	0.60
C7	20 Nov 2015	15	19.40	92.97	7.0	33.63	8.2	23.9	0.59
C7	20 Nov 2015	16	19.36	92.94	6.7	33.62	8.2	23.9	0.56
C7	20 Nov 2015	17	19.09	92.46	6.3	33.60	8.2	23.9	0.47
C7	24 Nov 2015	1	19.60	87.99	7.8	33.62	8.2	23.8	0.56
C7	24 Nov 2015	2	19.51	88.11	7.7	33.61	8.2	23.8	0.60
C7	24 Nov 2015	3	19.39	88.30	7.6	33.61	8.2	23.9	0.61
C7	24 Nov 2015	4	19.35	88.38	7.6	33.61	8.2	23.9	0.65
C7	24 Nov 2015	5	19.32	88.46	7.6	33.61	8.2	23.9	0.65
C7	24 Nov 2015	6	19.30	88.79	7.6	33.61	8.2	23.9	0.66
C7	24 Nov 2015	7	19.28	88.85	7.6	33.61	8.2	23.9	0.64
C7	24 Nov 2015	8	19.26	88.84	7.5	33.61	8.2	23.9	0.65
C7	24 Nov 2015	9	19.25	88.88	7.5	33.61	8.2	23.9	0.66
C7	24 Nov 2015	10	19.24	88.83	7.5	33.61	8.2	23.9	0.71
C7	24 Nov 2015	11	19.21	88.75	7.5	33.61	8.2	23.9	0.78
C7	24 Nov 2015	12	19.18	88.36	7.5	33.61	8.2	23.9	0.93
C7	24 Nov 2015	13	19.11	87.87	7.5	33.61	8.2	23.9	1.15
C7	24 Nov 2015	14	19.01	86.85	7.3	33.60	8.2	24.0	1.34
C7	24 Nov 2015	15	18.88	85.81	7.0	33.59	8.2	24.0	1.30
C7	24 Nov 2015	16	18.67	85.20	6.7	33.58	8.1	24.0	1.04
C7	24 Nov 2015	17	18.57	84.95	6.5	33.58	8.1	24.0	0.92
C7	30 Nov 2015	1	18.16	86.38	7.2	33.62	8.2	24.2	1.10
C7	30 Nov 2015	2	18.16	86.37	7.2	33.62	8.2	24.2	1.13
C7	30 Nov 2015	3	18.17	86.72	7.2	33.62	8.2	24.2	1.16
C7	30 Nov 2015	4	18.17	86.75	7.2	33.62	8.2	24.2	1.26
C7	30 Nov 2015	5	18.18	86.79	7.2	33.62	8.2	24.2	1.30
C7	30 Nov 2015	6	18.17	86.71	7.2	33.62	8.2	24.2	1.33
C7	30 Nov 2015	7	18.17	86.90	7.2	33.62	8.2	24.2	1.30
C7	30 Nov 2015	8	18.17	86.95	7.2	33.62	8.2	24.2	1.31
C7	30 Nov 2015	9	18.17	86.97	7.2	33.62	8.2	24.2	1.31
C7	30 Nov 2015	10	18.17	87.04	7.2	33.62	8.2	24.2	1.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	30 Nov 2015	11	18.17	87.08	7.2	33.62	8.2	24.2	1.30
C7	30 Nov 2015	12	18.17	87.03	7.2	33.62	8.2	24.2	1.27
C7	30 Nov 2015	13	18.17	87.01	7.2	33.62	8.2	24.2	1.20
C7	30 Nov 2015	14	18.16	87.06	7.2	33.62	8.2	24.2	1.15
C7	30 Nov 2015	15	18.13	87.06	7.2	33.62	8.2	24.2	1.02
C7	30 Nov 2015	16	18.03	86.46	7.1	33.64	8.2	24.2	0.90
C7	30 Nov 2015	17	18.01	85.37	7.1	33.64	8.2	24.2	0.86
C7	30 Nov 2015	18	18.00	82.88	7.1	33.64	8.2	24.2	0.83
C8	07 Nov 2015	1	19.52	90.33	7.1	33.44	8.1	23.7	0.54
C8	07 Nov 2015	2	19.51	90.33	7.1	33.44	8.1	23.7	0.57
C8	07 Nov 2015	3	19.50	90.33	7.1	33.44	8.1	23.7	0.61
C8	07 Nov 2015	4	19.50	90.22	7.1	33.44	8.1	23.7	0.66
C8	07 Nov 2015	5	19.49	90.30	7.1	33.44	8.1	23.7	0.73
C8	07 Nov 2015	6	19.48	90.34	7.0	33.44	8.1	23.7	0.80
C8	07 Nov 2015	7	19.44	90.31	7.1	33.43	8.1	23.7	0.93
C8	07 Nov 2015	8	19.34	89.86	7.0	33.42	8.1	23.7	1.04
C8	07 Nov 2015	9	19.20	89.22	7.0	33.43	8.1	23.8	1.05
C8	07 Nov 2015	10	19.12	88.97	6.9	33.43	8.1	23.8	1.09
C8	07 Nov 2015	11	18.96	88.91	6.8	33.42	8.1	23.8	1.07
C8	07 Nov 2015	12	18.88	89.10	6.8	33.42	8.1	23.8	1.03
C8	07 Nov 2015	13	18.82	89.18	6.8	33.42	8.1	23.9	1.01
C8	07 Nov 2015	14	18.71	89.30	6.8	33.42	8.1	23.9	0.99
C8	07 Nov 2015	15	18.55	89.43	6.8	33.41	8.1	23.9	0.98
C8	07 Nov 2015	16	18.46	89.49	6.8	33.41	8.1	23.9	1.02
C8	07 Nov 2015	17	18.17	90.12	6.9	33.40	8.1	24.0	0.94
C8	07 Nov 2015	18	18.05	91.19	6.8	33.40	8.1	24.0	0.86
C8	07 Nov 2015	19	17.92	91.16	6.8	33.39	8.1	24.1	0.81
C8	07 Nov 2015	20	17.88	90.77	6.8	33.39	8.1	24.1	0.83
C8	12 Nov 2015	1	18.78	83.62	7.3	33.49	8.2	23.9	0.79
C8	12 Nov 2015	2	18.78	83.51	7.3	33.49	8.2	23.9	0.83
C8	12 Nov 2015	3	18.77	83.82	7.3	33.49	8.2	23.9	0.94
C8	12 Nov 2015	4	18.76	83.77	7.3	33.49	8.2	23.9	0.99
C8	12 Nov 2015	5	18.76	83.56	7.3	33.49	8.2	23.9	1.09
C8	12 Nov 2015	6	18.76	83.17	7.3	33.49	8.2	23.9	1.08
C8	12 Nov 2015	7	18.76	83.36	7.3	33.49	8.2	23.9	1.12
C8	12 Nov 2015	8	18.74	83.45	7.3	33.49	8.2	23.9	1.18
C8	12 Nov 2015	9	18.72	83.37	7.3	33.49	8.2	23.9	1.24
C8	12 Nov 2015	10	18.68	83.26	7.3	33.49	8.2	23.9	1.33
C8	12 Nov 2015	11	18.66	82.19	7.2	33.50	8.2	24.0	1.42
C8	12 Nov 2015	12	18.67	81.92	7.3	33.50	8.2	24.0	1.44
C8	12 Nov 2015	13	18.66	80.65	7.2	33.50	8.2	24.0	1.35
C8	12 Nov 2015	14	18.51	80.09	7.2	33.47	8.2	24.0	1.22
C8	12 Nov 2015	15	18.41	80.81	7.0	33.46	8.1	24.0	1.13
C8	12 Nov 2015	16	18.06	81.25	6.8	33.42	8.1	24.0	1.05
C8	12 Nov 2015	17	17.63	80.66	6.8	33.40	8.1	24.1	1.03
C8	12 Nov 2015	18	17.39	80.92	7.0	33.38	8.1	24.2	1.05
C8	12 Nov 2015	19	17.12	82.09	6.9	33.38	8.1	24.2	1.02
C8	12 Nov 2015	20	17.02	81.22	6.9	33.39	8.1	24.3	1.03
C8	20 Nov 2015	1	19.35	93.66	7.2	33.59	8.2	23.9	0.24
C8	20 Nov 2015	2	19.34	93.68	7.2	33.59	8.2	23.9	0.23
C8	20 Nov 2015	3	19.33	93.76	7.2	33.59	8.2	23.9	0.24
C8	20 Nov 2015	4	19.33	92.80	7.1	33.59	8.2	23.9	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C8	20 Nov 2015	5	19.32	93.67	7.2	33.59	8.2	23.9	0.25
C8	20 Nov 2015	6	19.31	93.83	7.2	33.60	8.2	23.9	0.29
C8	20 Nov 2015	7	19.31	93.93	7.2	33.60	8.2	23.9	0.32
C8	20 Nov 2015	8	19.30	93.81	7.2	33.60	8.2	23.9	0.34
C8	20 Nov 2015	9	19.29	93.67	7.2	33.60	8.2	23.9	0.39
C8	20 Nov 2015	10	19.28	93.59	7.2	33.60	8.2	23.9	0.44
C8	20 Nov 2015	11	19.26	93.25	7.2	33.60	8.2	23.9	0.49
C8	20 Nov 2015	12	19.24	93.03	7.1	33.61	8.2	23.9	0.55
C8	20 Nov 2015	13	19.22	92.16	7.1	33.61	8.2	23.9	0.63
C8	20 Nov 2015	14	19.20	91.57	7.2	33.61	8.2	23.9	0.70
C8	20 Nov 2015	15	19.19	91.08	7.2	33.61	8.2	23.9	0.76
C8	20 Nov 2015	16	19.19	90.22	7.2	33.61	8.2	23.9	0.80
C8	20 Nov 2015	17	19.19	89.42	7.1	33.61	8.2	23.9	0.82
C8	20 Nov 2015	18	19.19	88.10	7.2	33.61	8.2	23.9	0.85
C8	20 Nov 2015	19	19.19	88.29	7.2	33.61	8.2	23.9	0.85
C8	24 Nov 2015	1	19.62	88.26	7.4	33.62	8.2	23.8	0.50
C8	24 Nov 2015	2	19.55	88.64	7.4	33.62	8.2	23.8	0.48
C8	24 Nov 2015	3	19.44	88.84	7.3	33.62	8.2	23.9	0.48
C8	24 Nov 2015	4	19.38	89.02	7.4	33.61	8.2	23.9	0.49
C8	24 Nov 2015	5	19.34	88.86	7.4	33.61	8.2	23.9	0.54
C8	24 Nov 2015	6	19.29	88.78	7.3	33.61	8.2	23.9	0.55
C8	24 Nov 2015	7	19.24	88.92	7.3	33.60	8.2	23.9	0.58
C8	24 Nov 2015	8	19.21	88.59	7.4	33.60	8.2	23.9	0.72
C8	24 Nov 2015	9	19.16	87.32	7.4	33.60	8.2	23.9	0.80
C8	24 Nov 2015	10	19.14	86.84	7.4	33.60	8.2	23.9	0.86
C8	24 Nov 2015	11	19.11	86.54	7.4	33.60	8.2	23.9	0.96
C8	24 Nov 2015	12	19.08	86.38	7.3	33.59	8.2	23.9	0.89
C8	24 Nov 2015	13	18.96	86.66	7.3	33.58	8.2	23.9	0.95
C8	24 Nov 2015	14	18.87	86.49	7.3	33.58	8.2	24.0	0.91
C8	24 Nov 2015	15	18.71	86.25	7.2	33.56	8.2	24.0	0.92
C8	24 Nov 2015	16	18.50	86.54	7.0	33.56	8.1	24.0	0.96
C8	24 Nov 2015	17	18.21	86.45	7.0	33.55	8.1	24.1	0.93
C8	24 Nov 2015	18	18.19	85.95	7.1	33.55	8.1	24.1	0.91
C8	30 Nov 2015	1	18.06	82.84	7.3	33.62	8.2	24.2	1.44
C8	30 Nov 2015	2	18.06	82.67	7.3	33.62	8.2	24.2	1.48
C8	30 Nov 2015	3	18.05	82.81	7.3	33.62	8.2	24.2	1.53
C8	30 Nov 2015	4	18.05	82.82	7.3	33.62	8.2	24.2	1.56
C8	30 Nov 2015	5	18.06	82.89	7.3	33.62	8.2	24.2	1.59
C8	30 Nov 2015	6	18.06	82.76	7.3	33.62	8.2	24.2	1.63
C8	30 Nov 2015	7	18.06	82.87	7.3	33.62	8.2	24.2	1.61
C8	30 Nov 2015	8	18.06	82.58	7.3	33.62	8.2	24.2	1.68
C8	30 Nov 2015	9	18.06	82.54	7.3	33.62	8.2	24.2	1.62
C8	30 Nov 2015	10	18.05	82.76	7.3	33.62	8.2	24.2	1.58
C8	30 Nov 2015	11	18.04	83.02	7.3	33.62	8.2	24.2	1.50
C8	30 Nov 2015	12	18.04	83.33	7.3	33.62	8.2	24.2	1.48
C8	30 Nov 2015	13	18.04	83.44	7.3	33.62	8.2	24.2	1.50
C8	30 Nov 2015	14	18.04	83.24	7.2	33.62	8.2	24.2	1.45
C8	30 Nov 2015	15	18.03	82.74	7.2	33.62	8.2	24.2	1.36
C8	30 Nov 2015	16	18.03	81.21	7.2	33.62	8.2	24.2	1.28
C8	30 Nov 2015	17	18.03	79.32	7.2	33.62	8.2	24.2	1.27
C8	30 Nov 2015	18	18.03	78.29	7.2	33.62	8.2	24.2	1.27
C8	30 Nov 2015	19	18.03	78.05	7.2	33.62	8.2	24.2	1.26

NA = not available

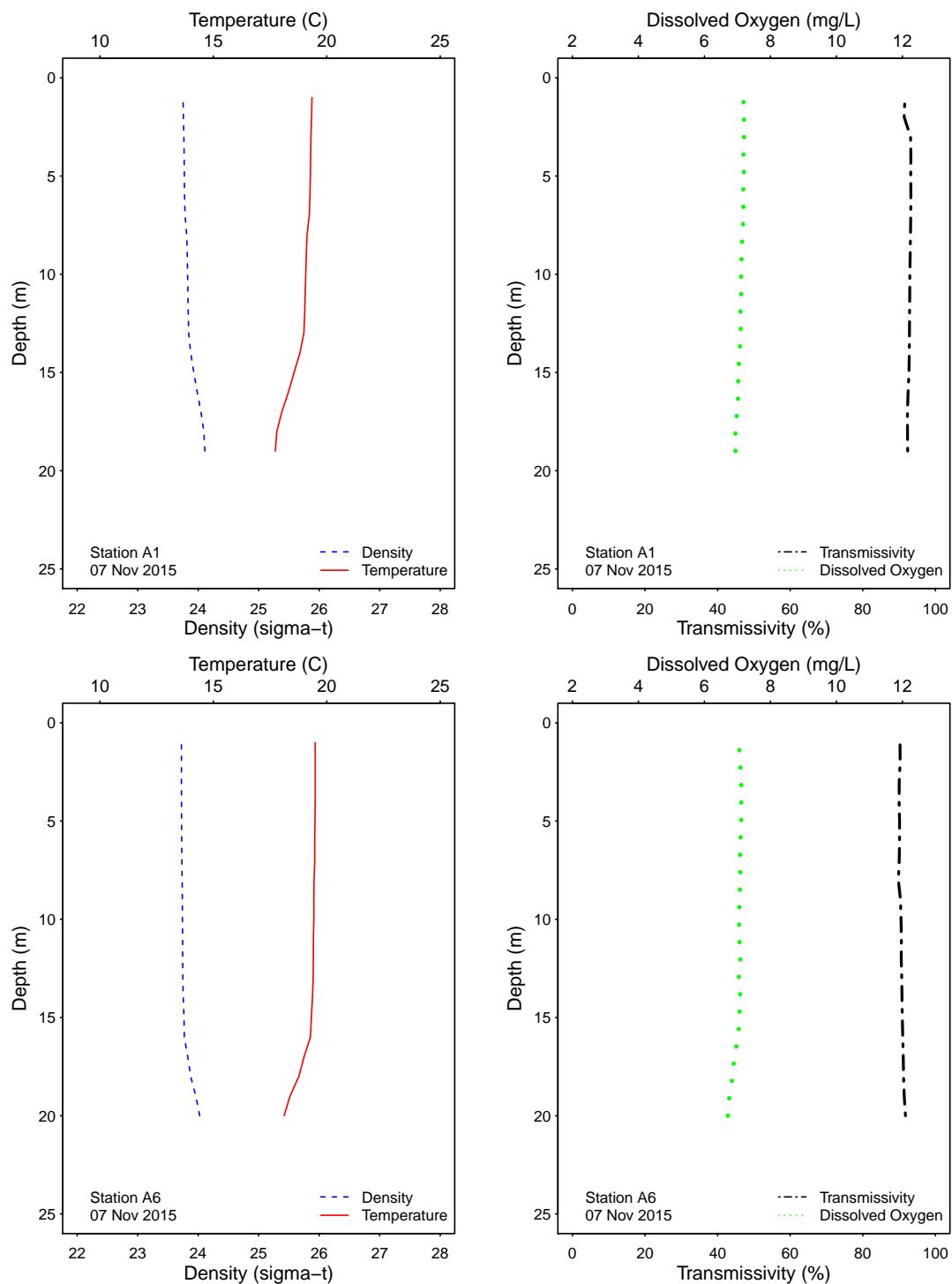


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

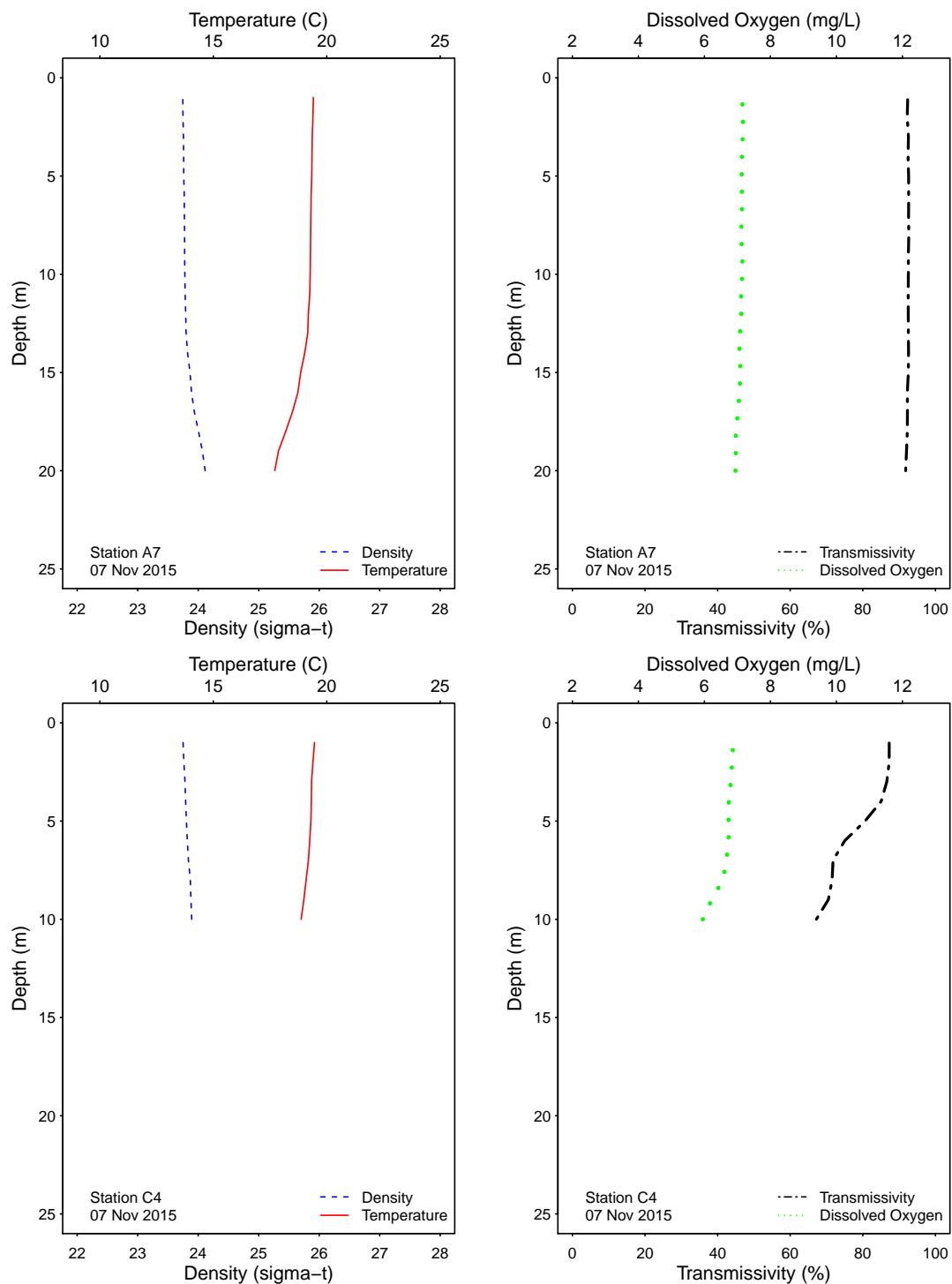


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

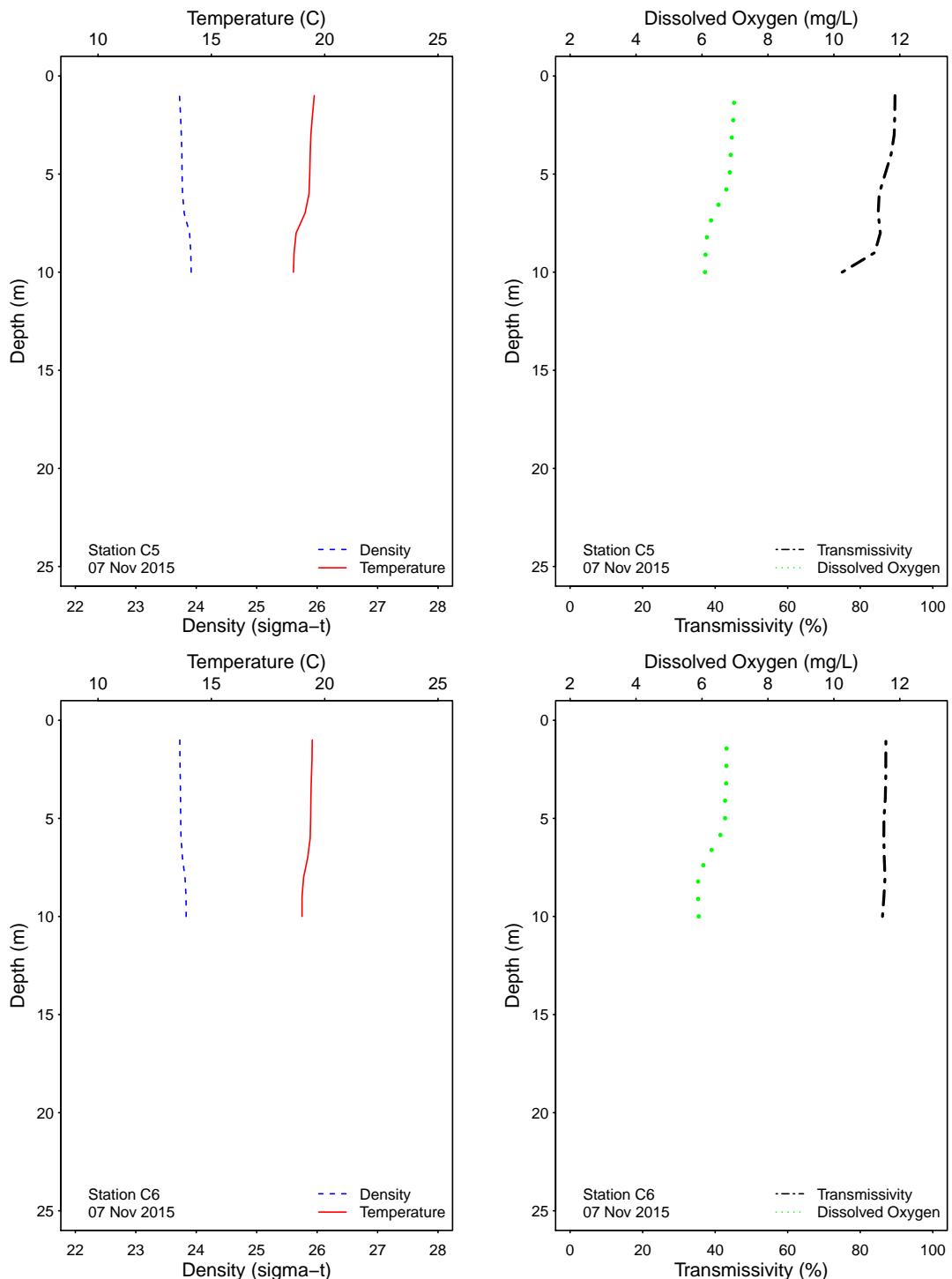


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

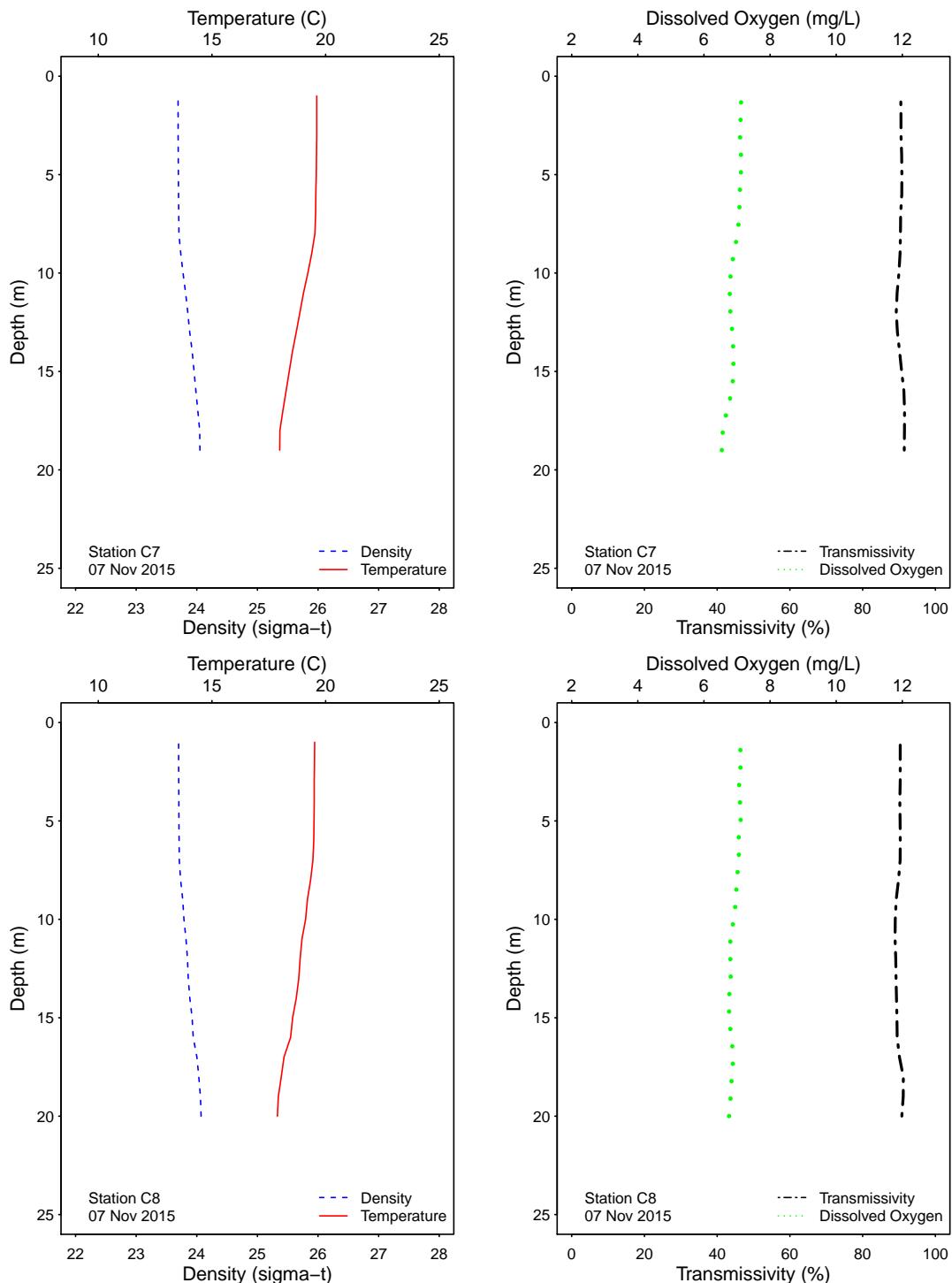


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

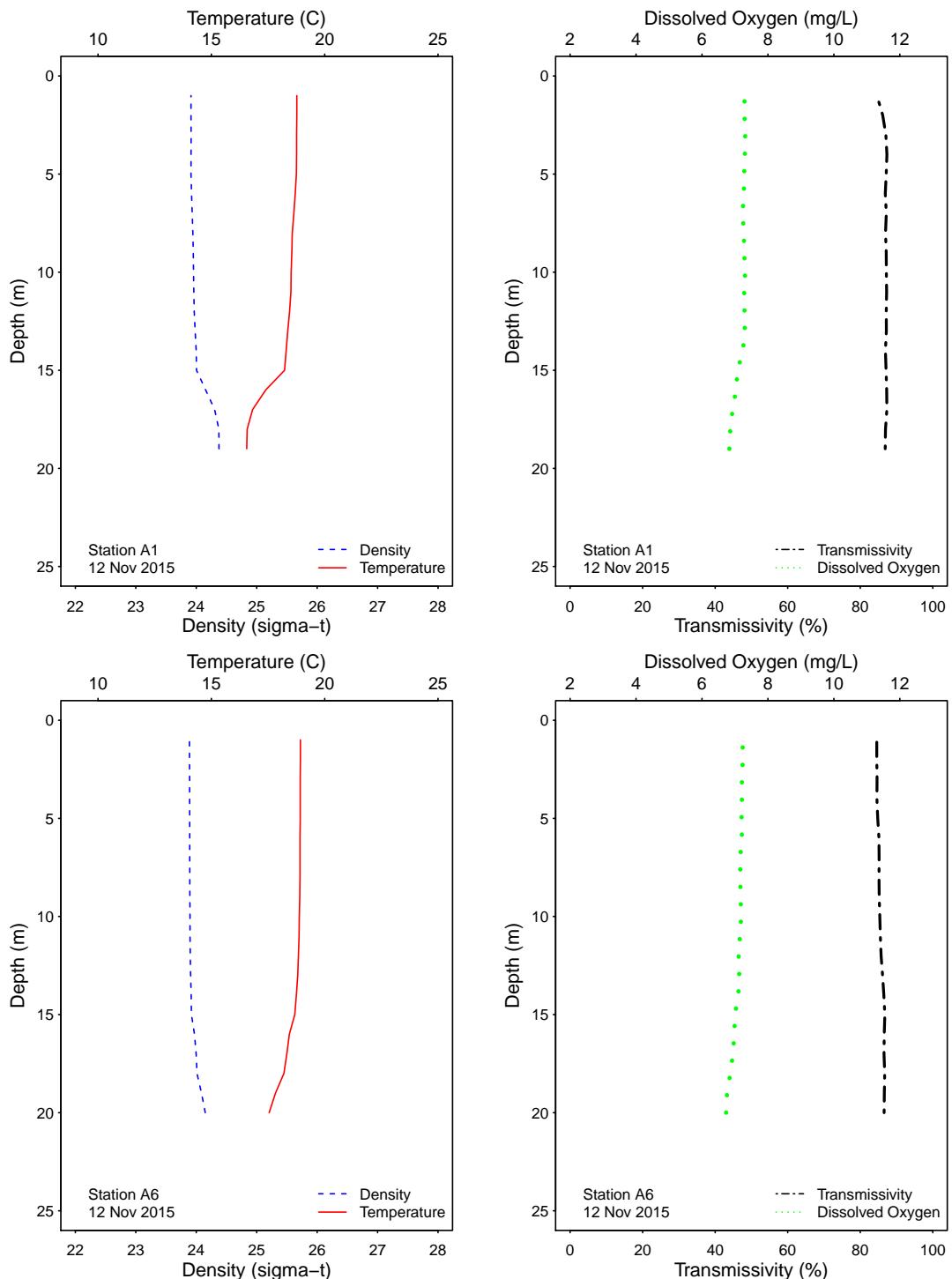


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

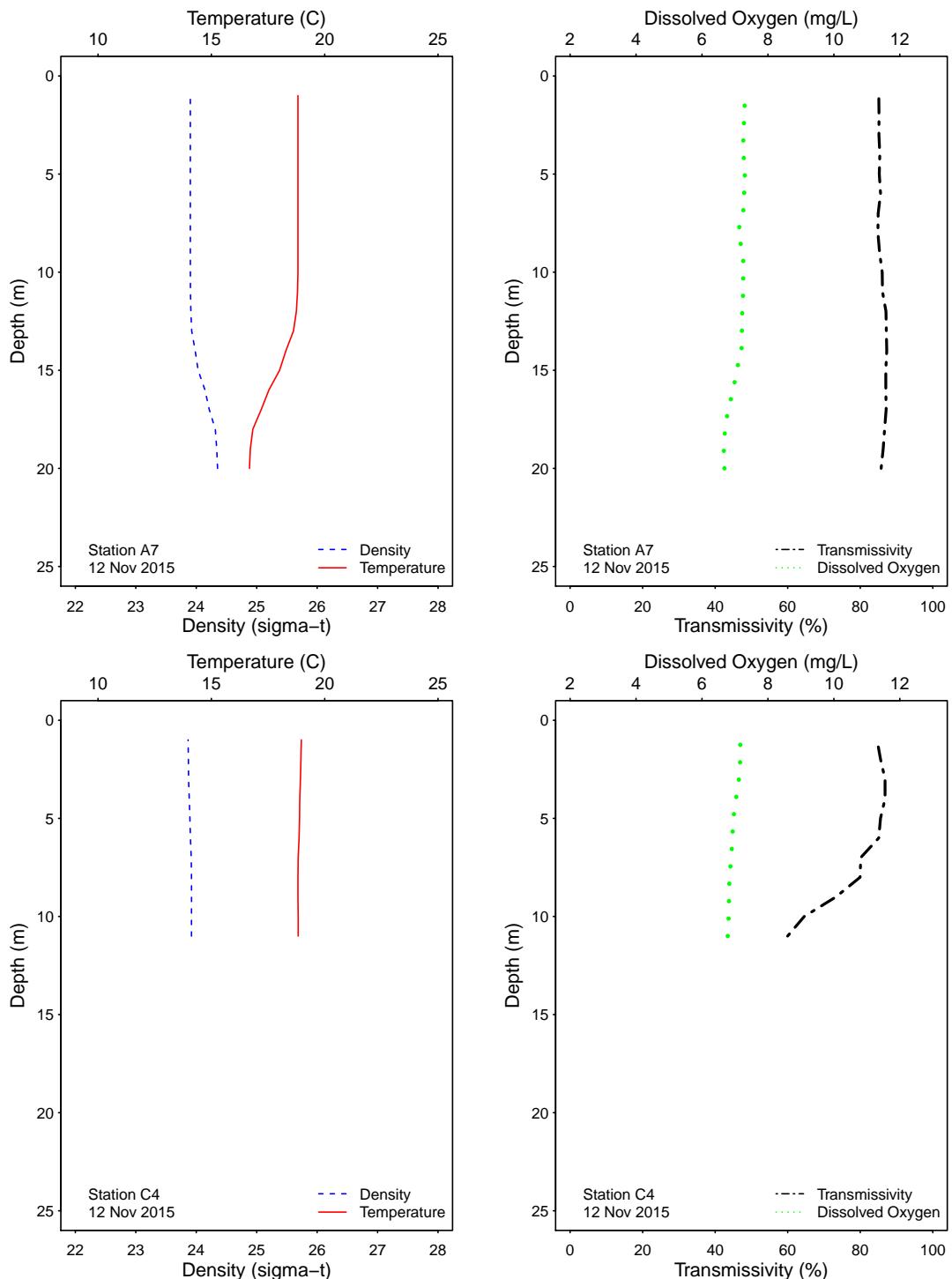


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

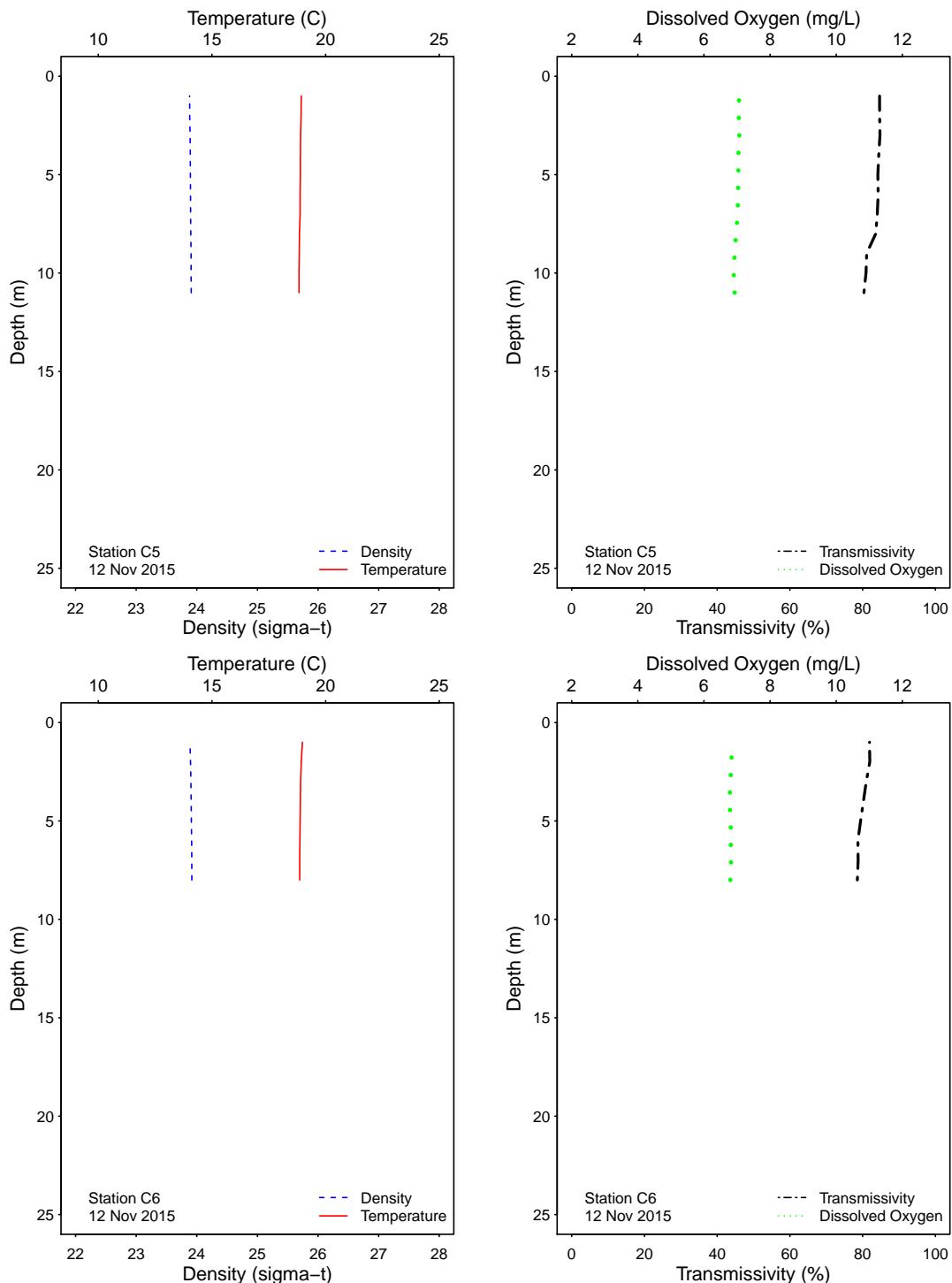


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

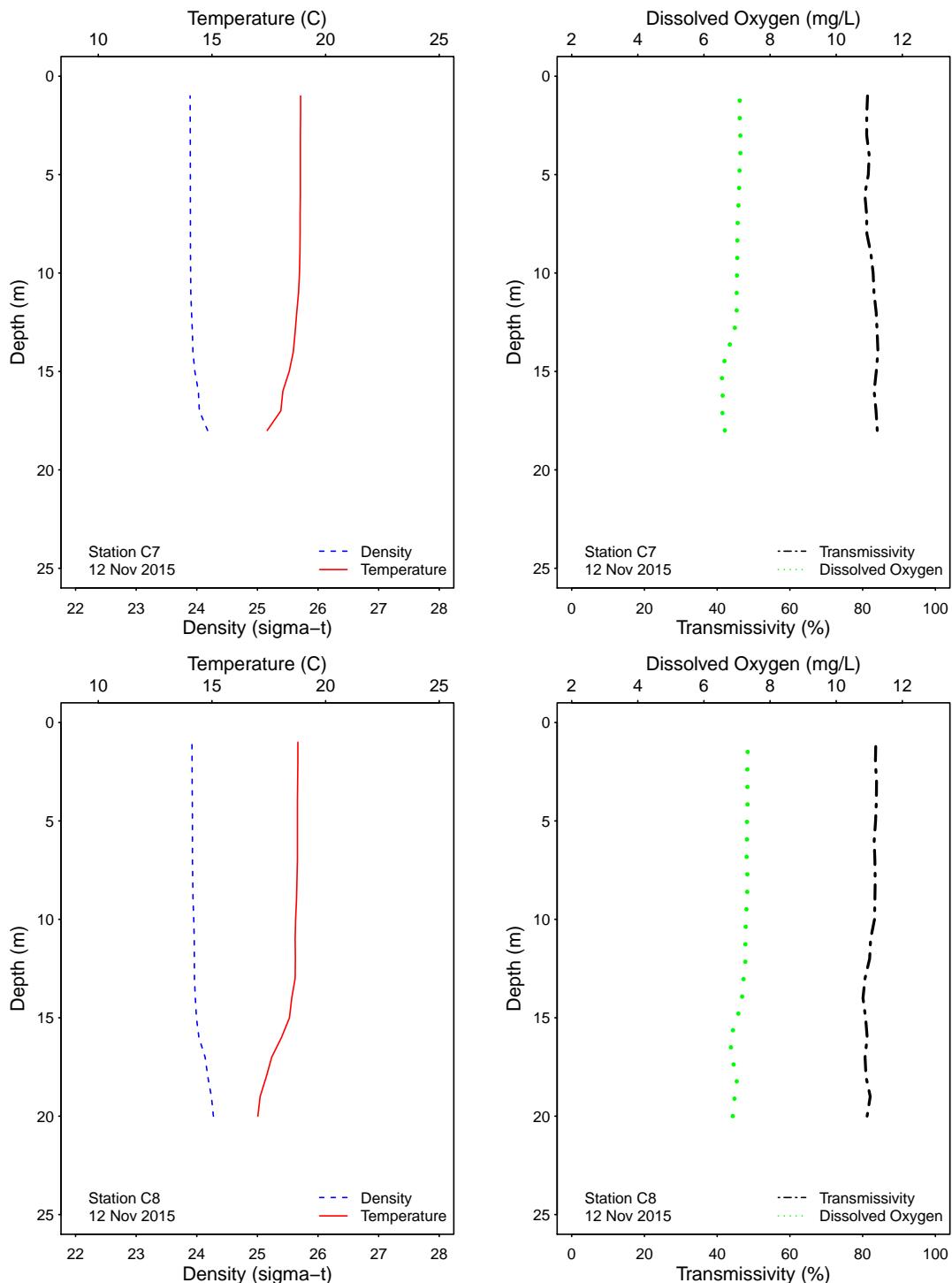


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

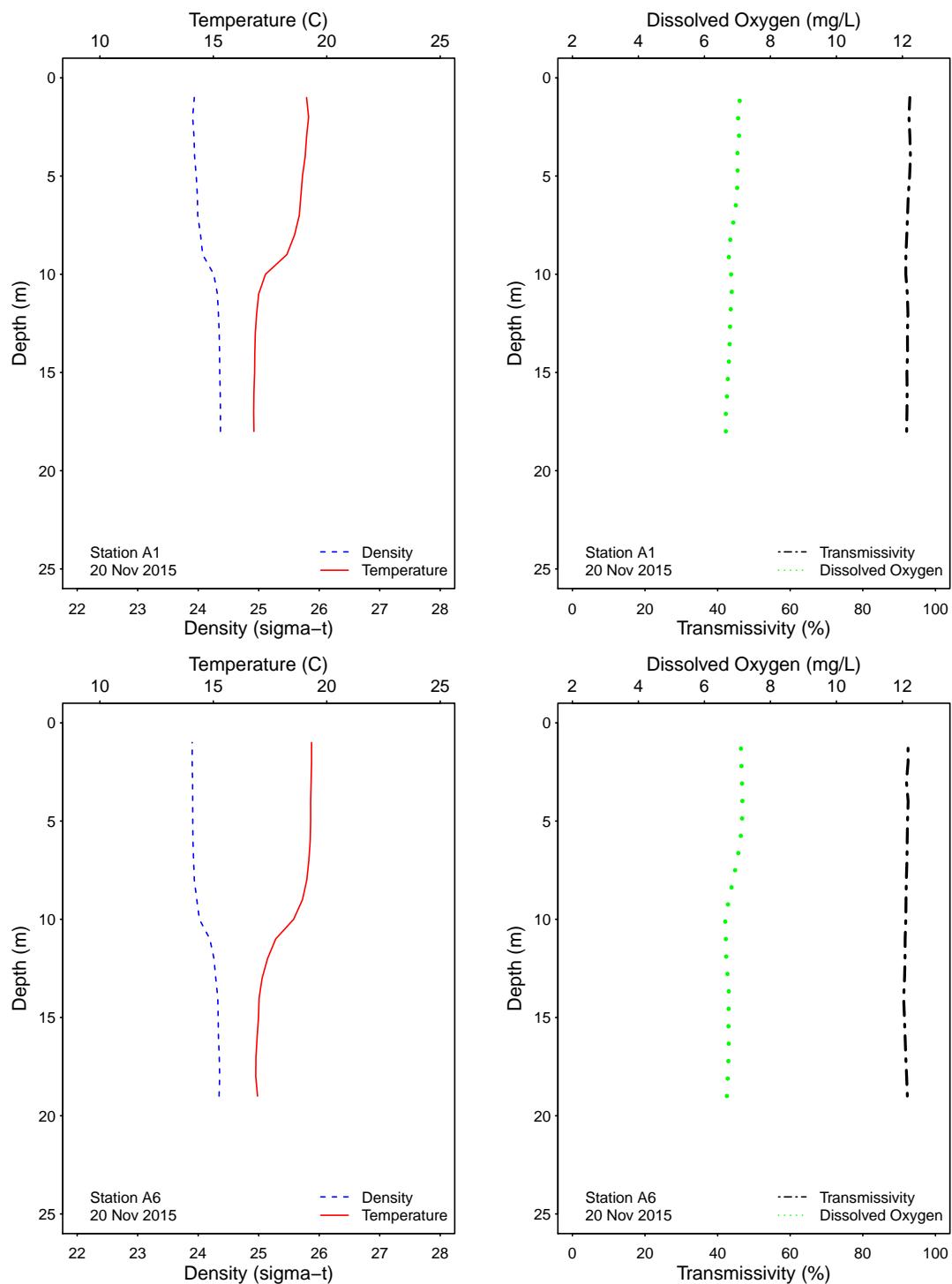


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

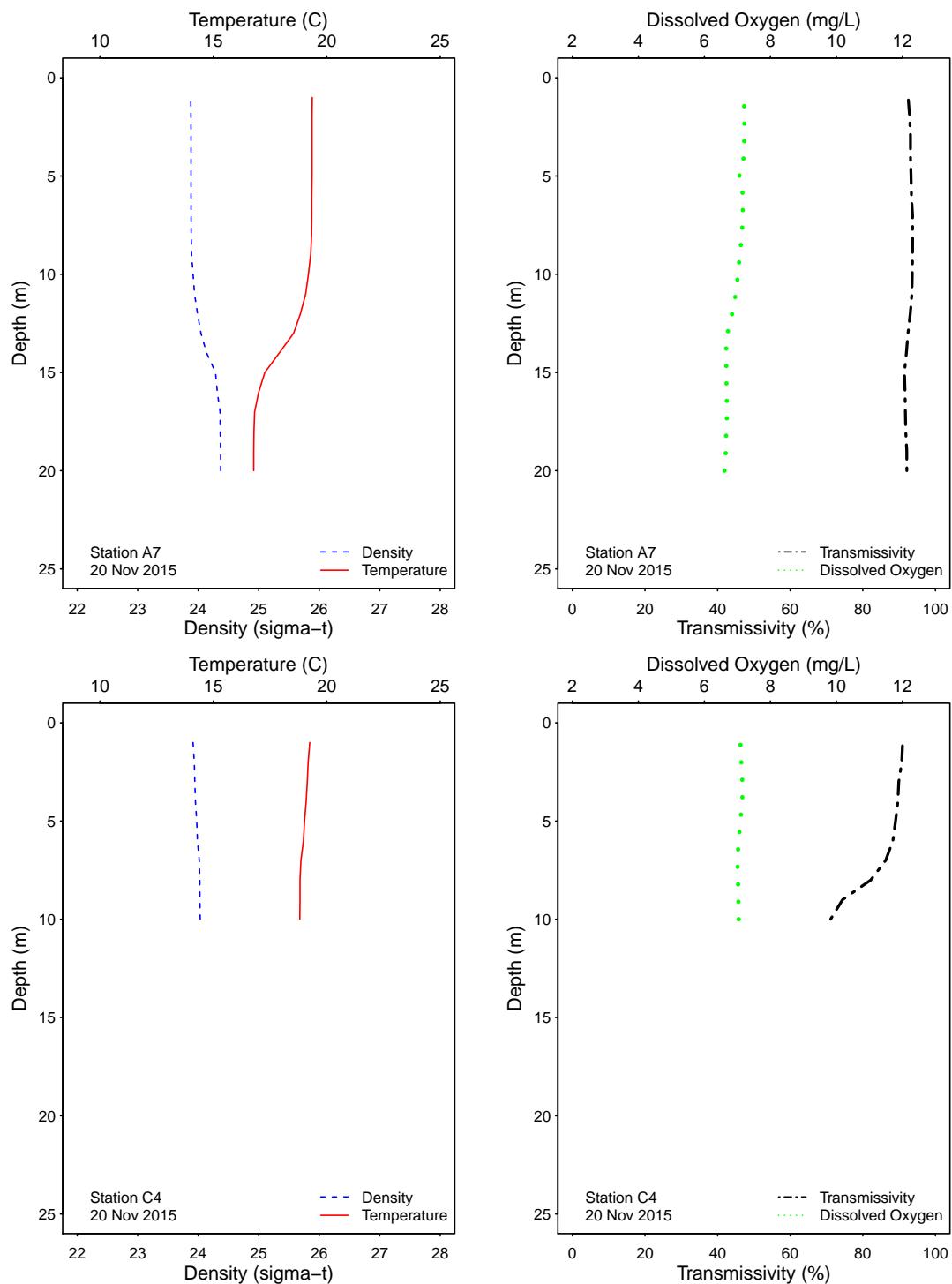


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

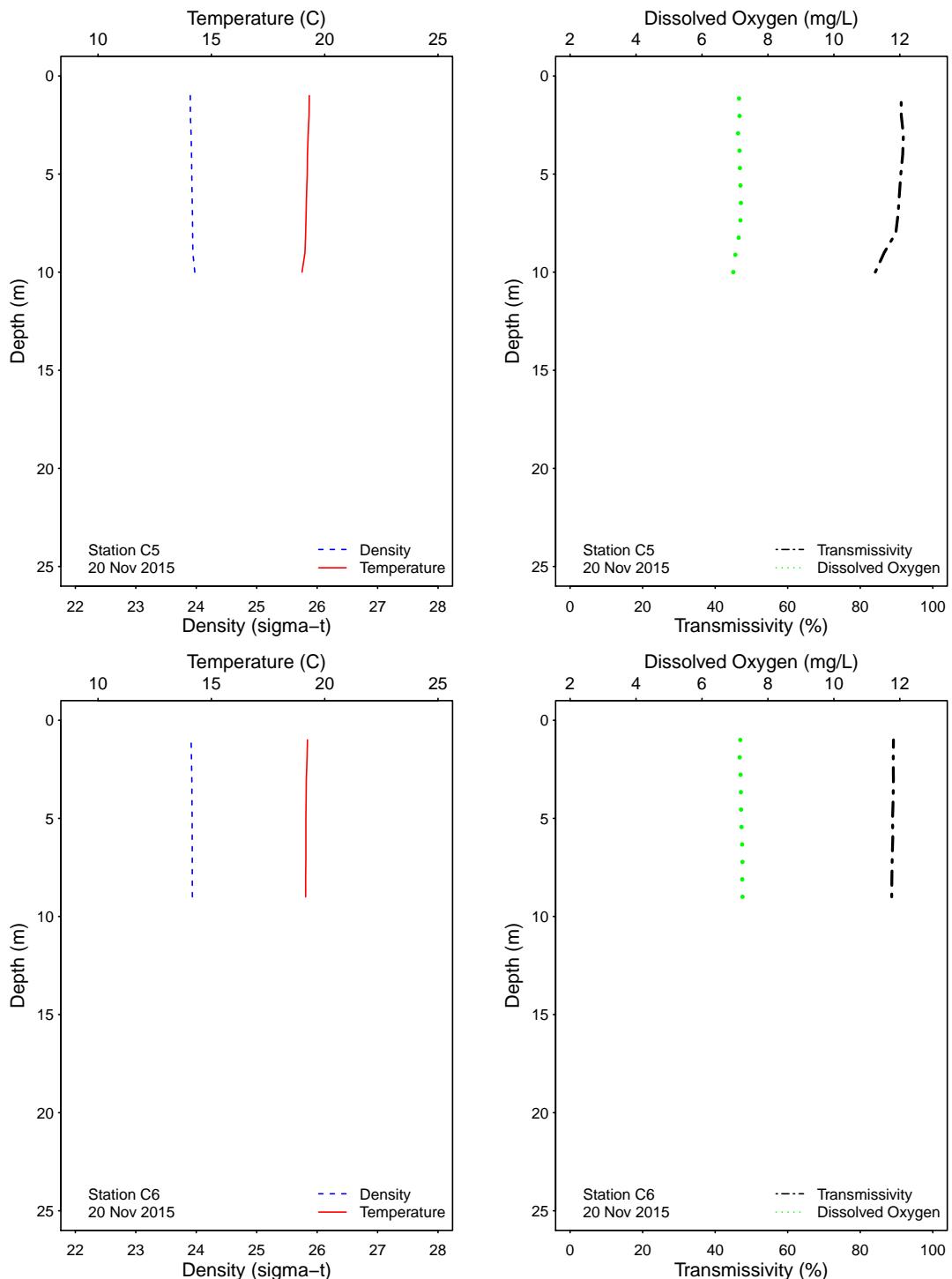


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

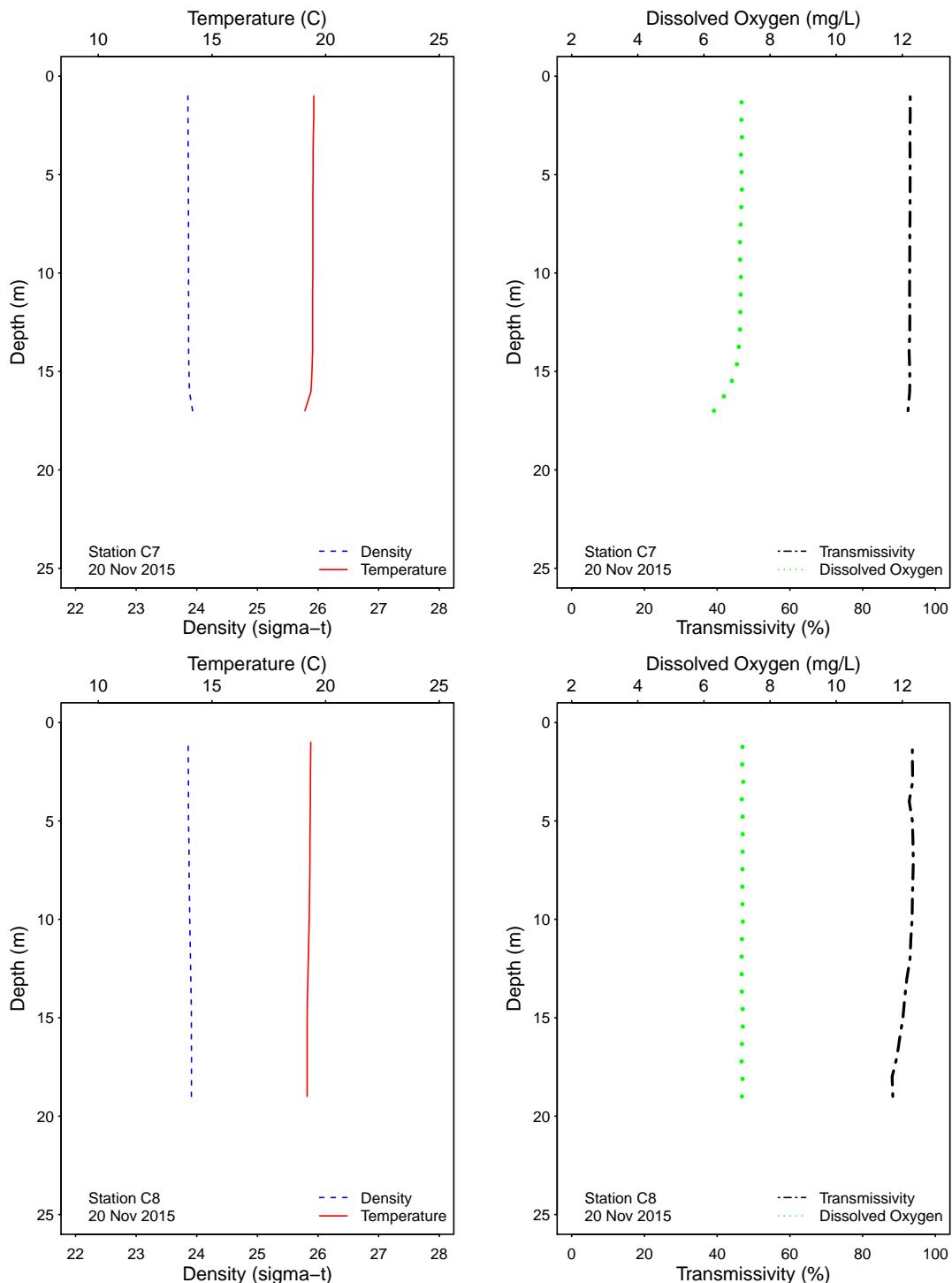


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

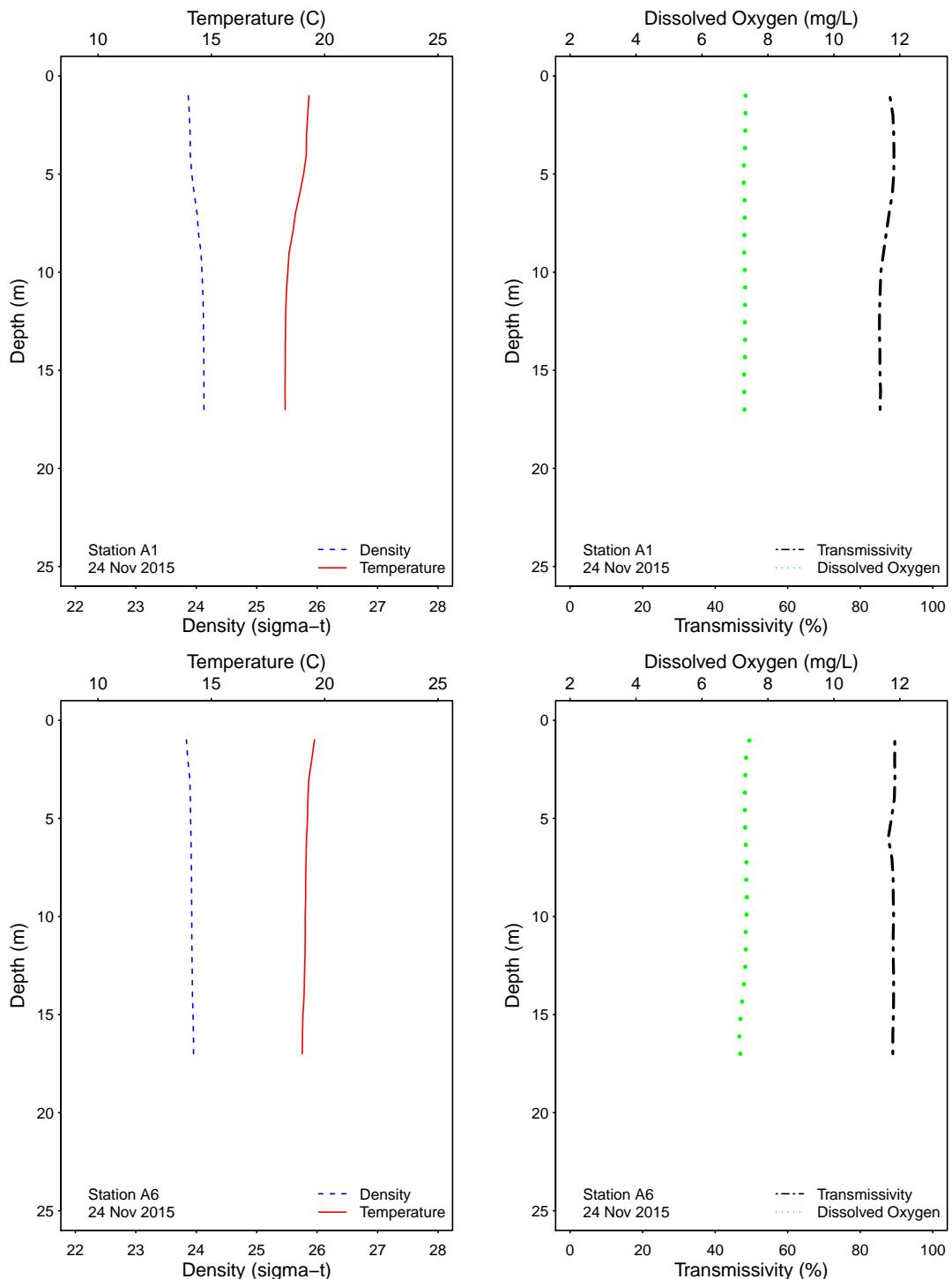


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

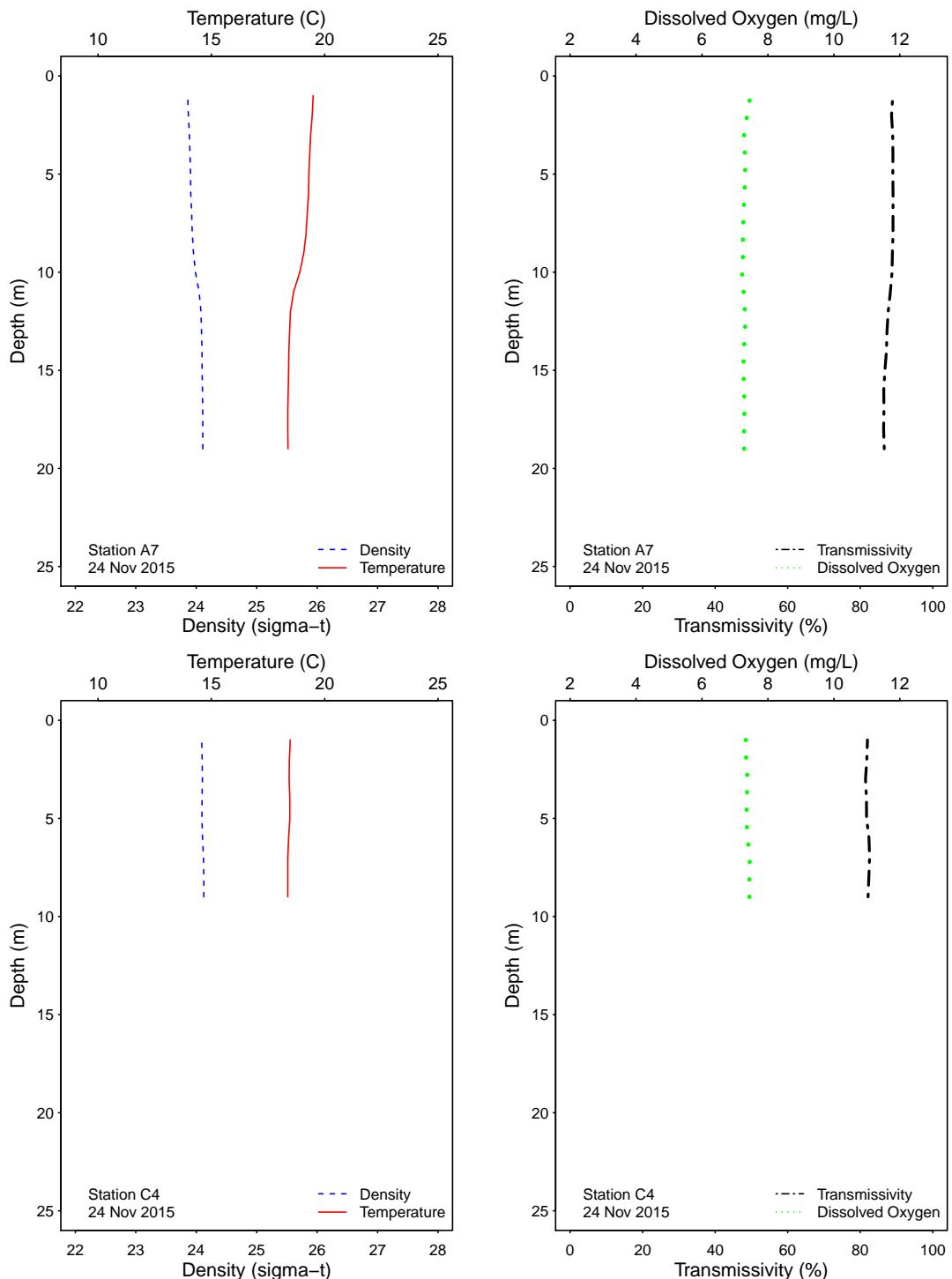


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

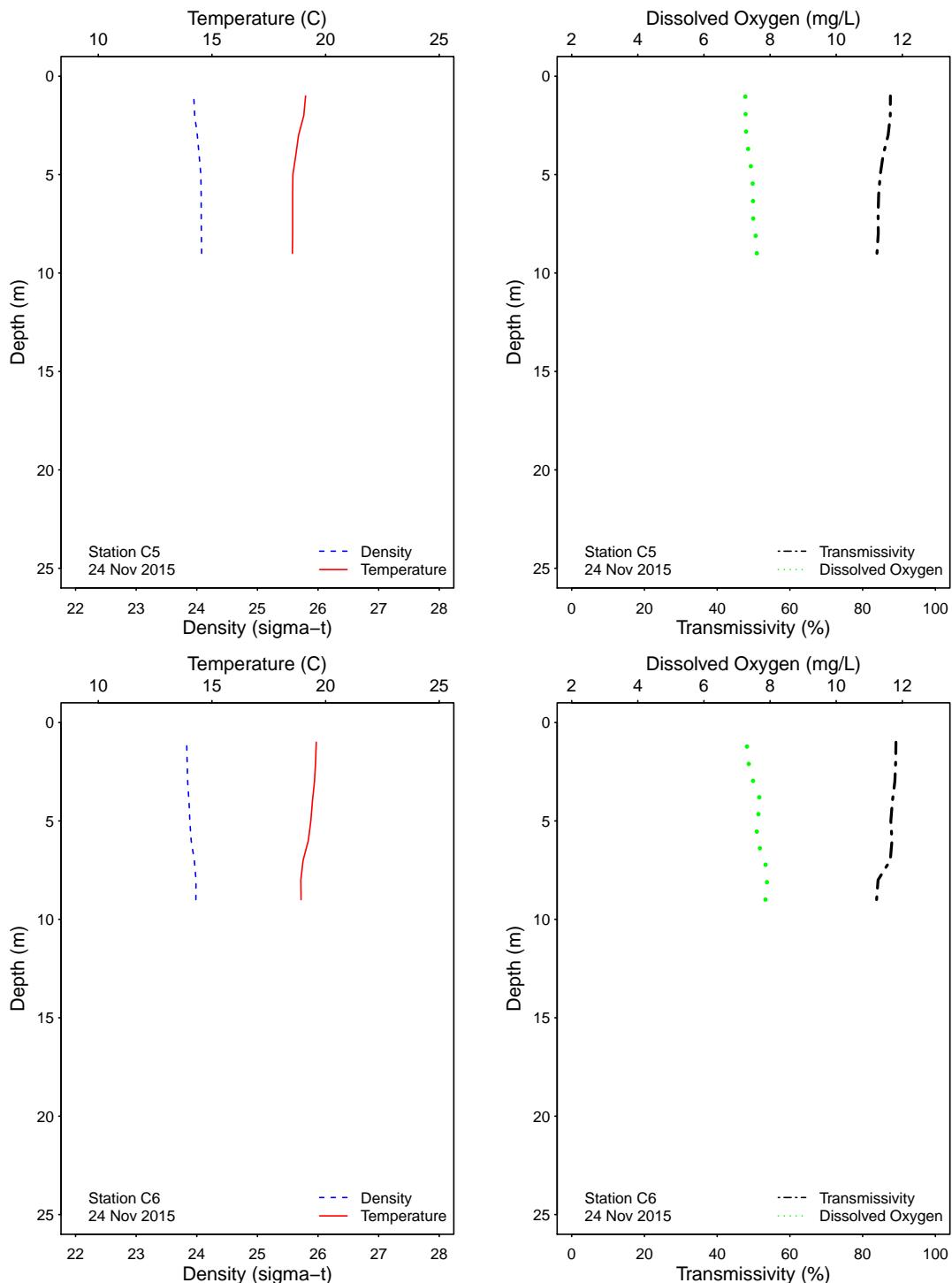


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

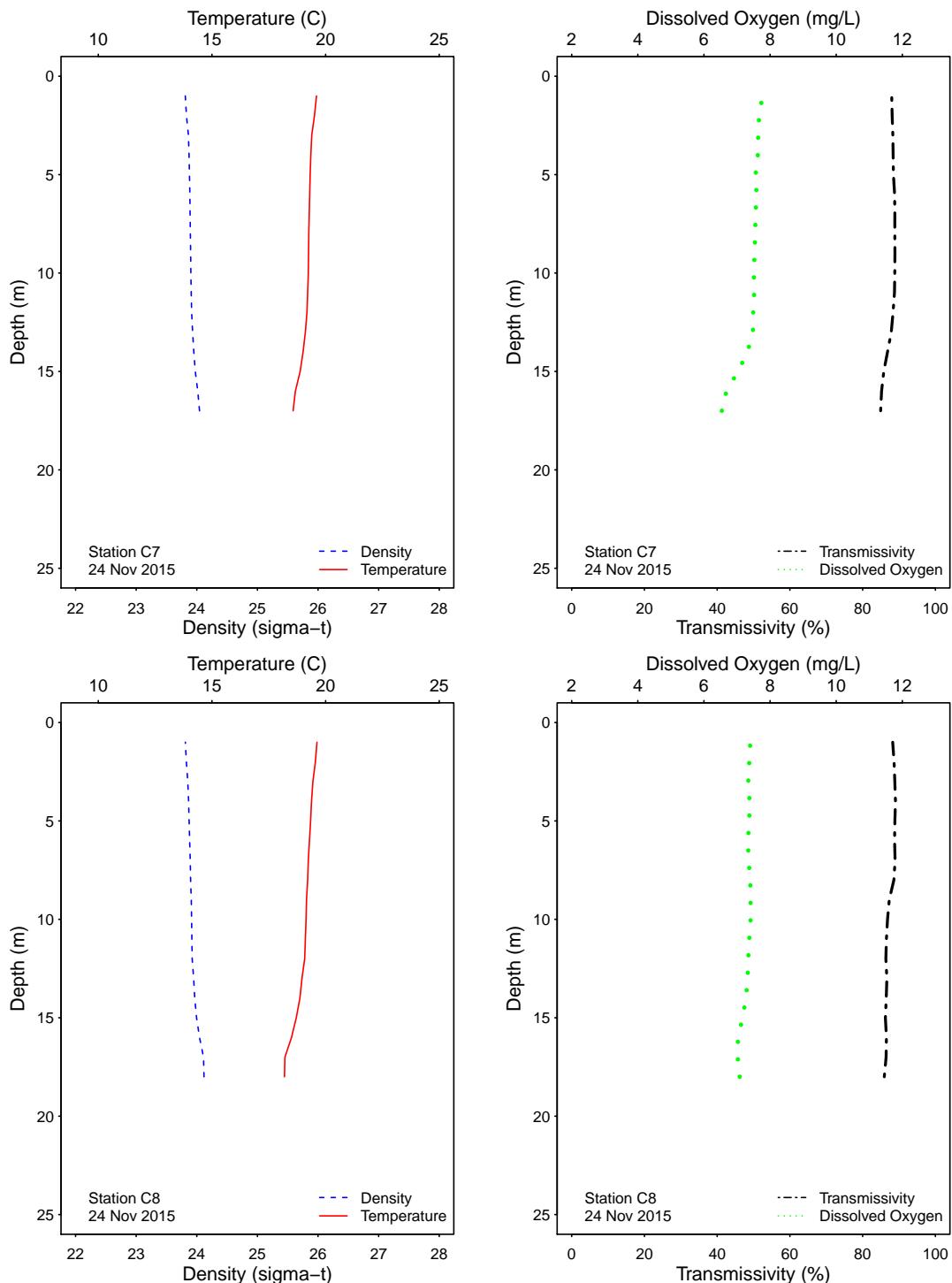


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

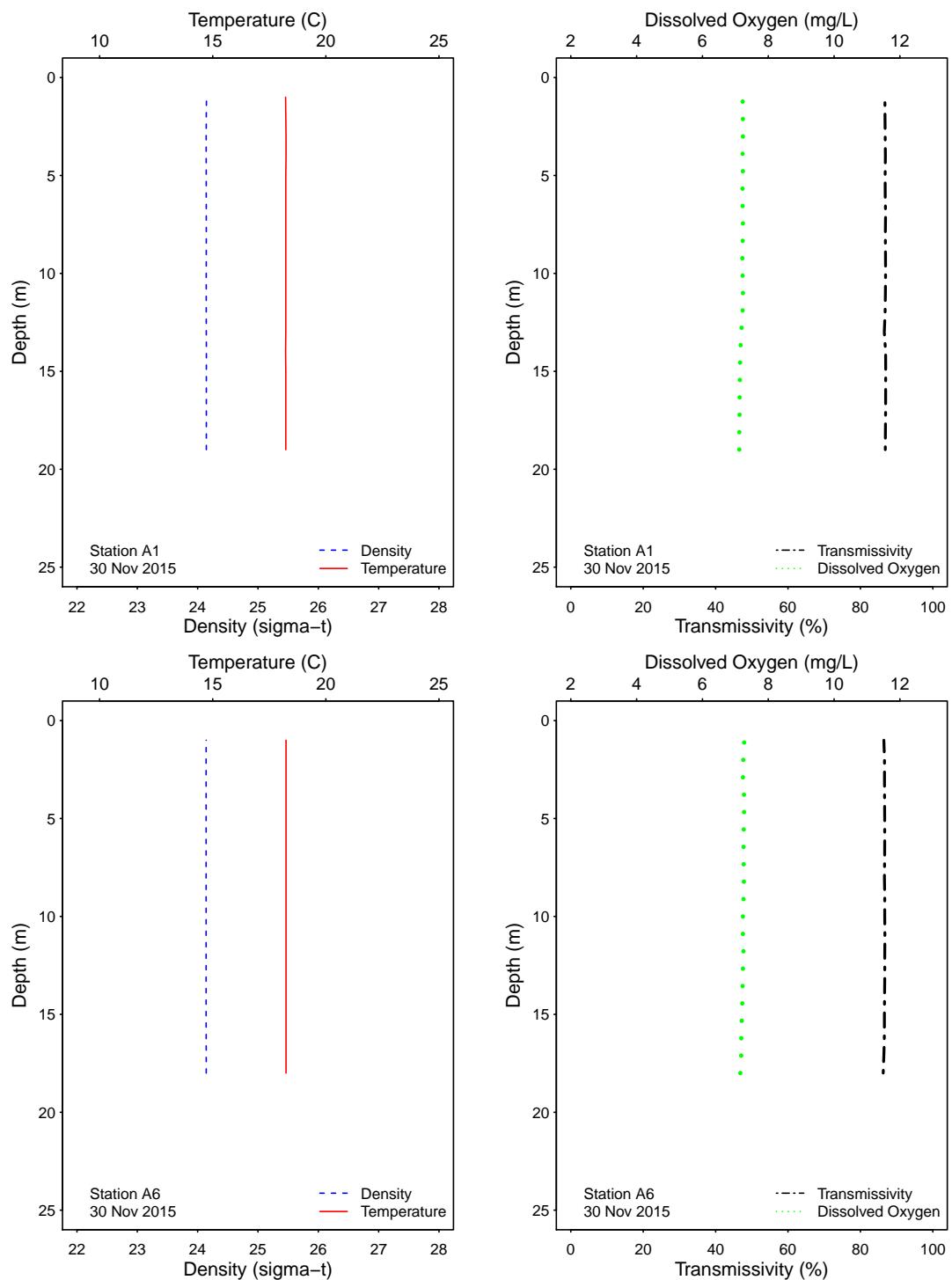


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

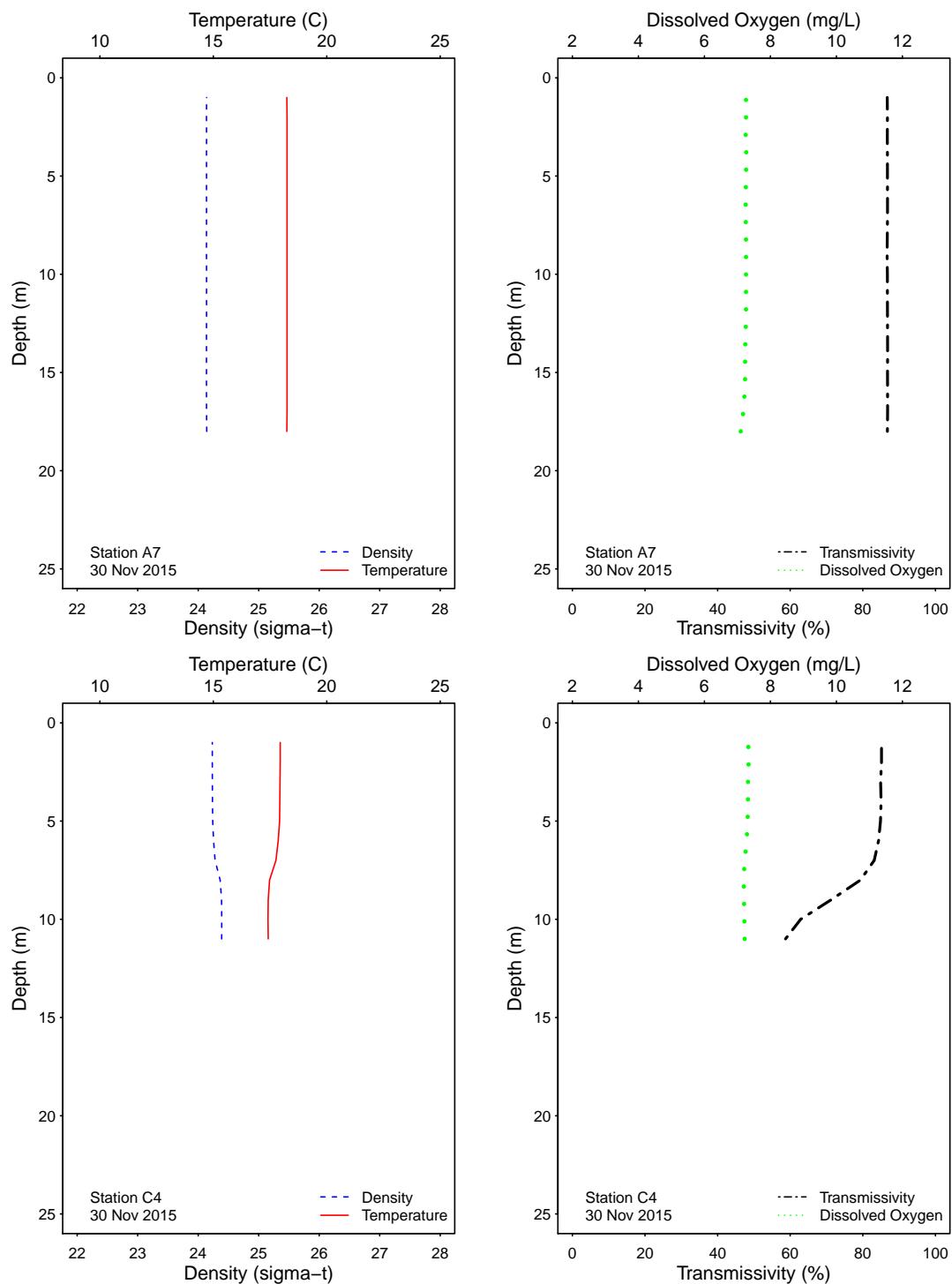


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

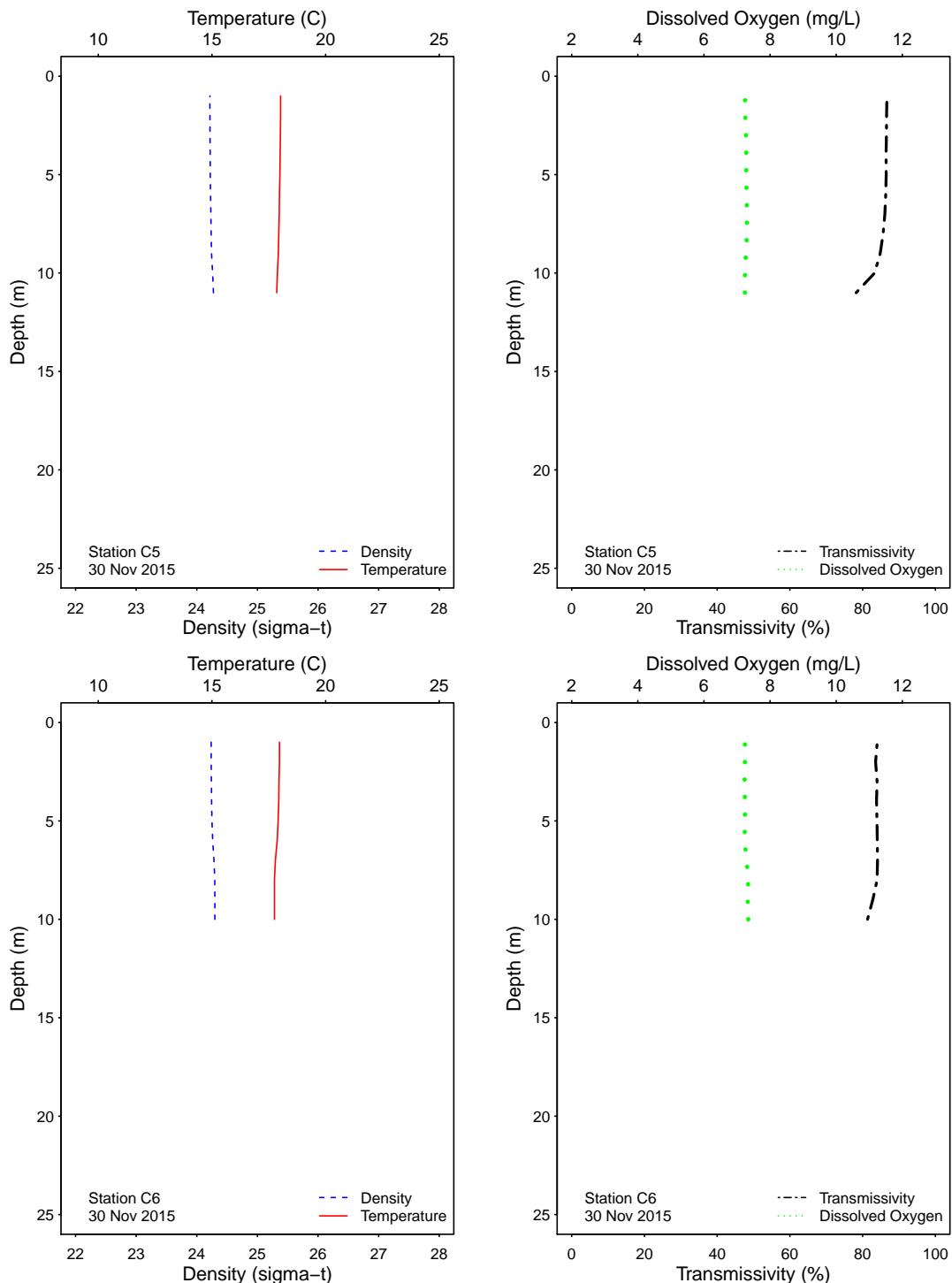


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

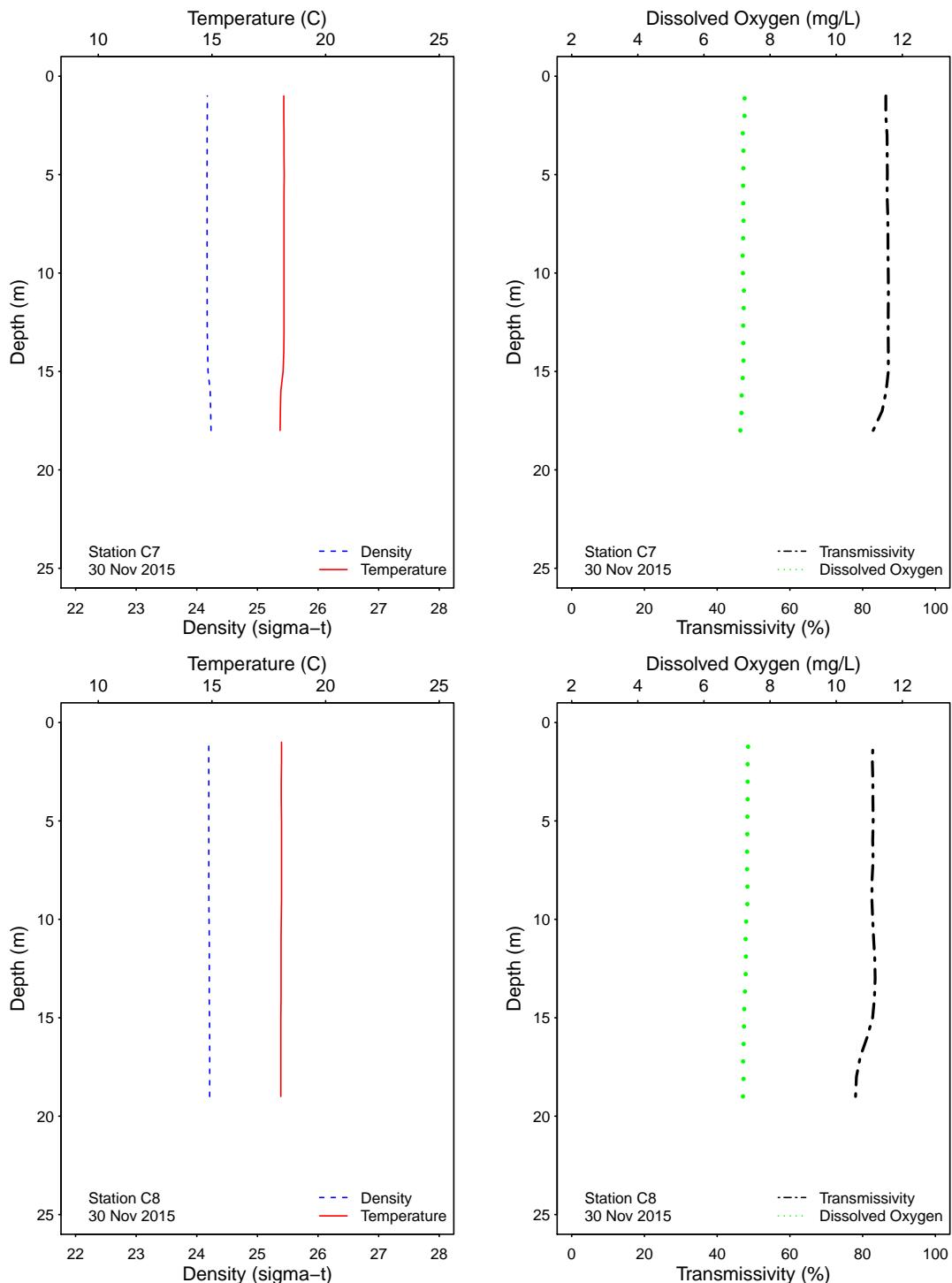


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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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 Nov 2015	IC	ns	ns	ns											
05 Nov 2015	ns	IC	IC	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

Table 4.2

Summary of water quality parameters at the PLOO offshore stations for each sample date. Density of *Enterococcus* (Enter) is reported as CFU/100 mL; ammonium (N-NH₃) values are reported as mg/L; values for temperature (Temp, °C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt), pH, and CDOM ($\mu\text{g}/\text{L}$) 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	02 Nov 2015	1306	1	<2	<0.01	20.6	87.83	7.4	33.46	8.2
F01	02 Nov 2015	1306	12	<2	<0.01	20.2	86.83	7.5	33.45	8.2
F01	02 Nov 2015	1306	18	<2	0.01	19.6	82.79	7.4	33.42	8.2
F02	02 Nov 2015	851	1	<2	<0.01	20.9	87.95	7.3	33.50	8.2
F02	02 Nov 2015	851	12	<2	<0.01	19.6	82.91	7.1	33.43	8.2
F02	02 Nov 2015	851	18	<2	<0.01	18.1	86.07	7.6	33.40	8.2
F03	02 Nov 2015	915	1	2e	<0.01	21.0	85.40	7.2	33.48	8.2
F03	02 Nov 2015	915	12	<2	<0.01	19.0	80.30	7.3	33.42	8.1
F03	02 Nov 2015	915	18	<2	0.01	18.8	76.66	7.3	33.42	8.2
F04	02 Nov 2015	1246	1	<2	ns	20.9	89.30	7.3	33.49	8.2
F04	02 Nov 2015	1246	25	<2	ns	18.1	84.73	7.5	33.39	8.2
F04	02 Nov 2015	1246	60	<2	ns	16.3	79.27	6.7	33.41	8.1
F05	02 Nov 2015	1232	1	<2	ns	20.8	89.33	7.4	33.48	8.2
F05	02 Nov 2015	1232	25	<2	ns	19.1	87.08	7.6	33.40	8.2
F05	02 Nov 2015	1232	60	16e	ns	16.4	84.80	6.8	33.39	8.1
F06	02 Nov 2015	1218	1	<2	0.02	20.6	87.86	7.4	33.47	8.2
F06	02 Nov 2015	1218	25	<2	<0.01	19.9	88.25	7.5	33.44	8.2
F06	02 Nov 2015	1218	60	<2	<0.01	16.8	81.96	7.1	33.38	8.1
F07	02 Nov 2015	1203	1	<2	<0.01	20.8	88.46	7.4	33.48	8.2
F07	02 Nov 2015	1203	25	<2	<0.01	20.4	89.00	7.4	33.48	8.2
F07	02 Nov 2015	1203	60	<2	<0.01	17.0	84.54	7.3	33.38	8.1
F08	02 Nov 2015	1148	1	<2	<0.01	20.7	89.54	7.4	33.49	8.2
F08	02 Nov 2015	1148	25	<2	<0.01	19.9	89.17	7.6	33.44	8.2
F08	02 Nov 2015	1148	60	22e	<0.01	16.7	81.60	7.2	33.36	8.1
F09	02 Nov 2015	1129	1	<2	<0.01	20.7	83.71	7.2	33.48	8.2
F09	02 Nov 2015	1129	25	<2	<0.01	19.9	89.12	7.5	33.45	8.2
F09	02 Nov 2015	1129	60	10e	<0.01	16.2	83.78	7.1	33.39	8.1
F10	02 Nov 2015	1110	1	<2	<0.01	20.9	87.18	7.3	33.50	8.2
F10	02 Nov 2015	1110	25	<2	<0.01	19.0	87.44	7.7	33.41	8.2
F10	02 Nov 2015	1110	60	<2	<0.01	16.1	85.72	6.9	33.39	8.1
F11	02 Nov 2015	1054	1	<2	<0.01	21.0	89.09	7.3	33.50	8.2
F11	02 Nov 2015	1054	25	<2	<0.01	19.1	87.05	7.6	33.42	8.2
F11	02 Nov 2015	1054	60	<2	0.01	16.1	84.44	6.9	33.40	8.1
F12	02 Nov 2015	1038	1	<2	<0.01	21.2	89.53	7.3	33.52	8.2
F12	02 Nov 2015	1038	25	<2	<0.01	18.7	87.10	7.8	33.40	8.2
F12	02 Nov 2015	1038	60	2e	<0.01	15.7	88.52	6.7	33.41	8.1

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F13	02 Nov 2015	955	1	<2	0.01	21.4	86.47	7.2	33.52	8.2
F13	02 Nov 2015	955	25	<2	<0.01	18.3	89.45	8.0	33.37	8.2
F13	02 Nov 2015	955	60	<2	<0.01	15.7	87.90	6.7	33.42	8.1
F14	02 Nov 2015	939	1	<2	<0.01	21.4	88.93	6.8	33.49	8.2
F14	02 Nov 2015	939	25	<2	<0.01	18.6	88.81	7.9	33.39	8.2
F14	02 Nov 2015	939	60	<2	<0.01	15.7	86.31	6.7	33.41	8.1
F15	05 Nov 2015	1147	1	<2	ns	20.2	89.11	7.3	33.48	8.2
F15	05 Nov 2015	1147	25	<2	ns	20.0	89.25	7.4	33.46	8.2
F15	05 Nov 2015	1147	60	<2	ns	16.8	88.86	7.2	33.40	8.2
F15	05 Nov 2015	1147	80	10e	ns	14.2	87.19	5.5	33.51	8.0
F16	05 Nov 2015	1133	1	<2	ns	20.2	88.93	7.2	33.48	8.2
F16	05 Nov 2015	1133	25	<2	ns	20.1	89.47	7.3	33.47	8.2
F16	05 Nov 2015	1133	60	6e	ns	16.0	89.22	6.7	33.40	8.1
F16	05 Nov 2015	1133	80	4e	ns	14.1	84.66	5.4	33.53	8.0
F17	05 Nov 2015	1112	1	<2	ns	20.1	89.49	7.3	33.45	8.2
F17	05 Nov 2015	1112	25	<2	ns	19.3	89.20	7.5	33.40	8.2
F17	05 Nov 2015	1112	60	18e	ns	15.7	88.84	6.5	33.41	8.1
F17	05 Nov 2015	1112	80	400	ns	13.8	86.48	5.2	33.49	8.0
F18	05 Nov 2015	1057	1	<2	<0.01	20.0	89.79	7.3	33.47	8.2
F18	05 Nov 2015	1057	25	<2	<0.01	17.6	88.12	7.7	33.37	8.2
F18	05 Nov 2015	1057	60	6e	<0.01	15.8	89.63	6.7	33.41	8.1
F18	05 Nov 2015	1057	80	72	<0.01	14.6	81.65	5.8	33.47	8.0
F19	05 Nov 2015	1036	1	<2	<0.01	19.9	89.20	7.3	33.47	8.2
F19	05 Nov 2015	1036	25	<2	<0.01	17.6	88.10	8.0	33.28	8.2
F19	05 Nov 2015	1036	60	<2	<0.01	16.0	89.26	6.8	33.40	8.1
F19	05 Nov 2015	1036	80	6e	<0.01	14.1	86.62	5.7	33.49	8.0
F20	05 Nov 2015	1021	1	<2	<0.01	19.9	89.53	7.4	33.47	8.2
F20	05 Nov 2015	1021	25	<2	<0.01	17.9	88.93	8.0	33.25	8.2
F20	05 Nov 2015	1021	60	<2	0.01	15.7	89.88	7.2	33.36	8.1
F20	05 Nov 2015	1021	80	2e	<0.01	14.1	85.97	5.7	33.49	8.0
F21	05 Nov 2015	958	1	<2	ns	20.2	88.14	7.2	33.47	8.2
F21	05 Nov 2015	958	25	<2	ns	17.7	89.40	8.2	33.15	8.2
F21	05 Nov 2015	958	60	<2	ns	15.6	89.60	6.5	33.42	8.1
F21	05 Nov 2015	958	80	2e	ns	14.2	88.84	5.8	33.48	8.0
F22	05 Nov 2015	943	1	<2	ns	20.3	89.56	7.3	33.48	8.2
F22	05 Nov 2015	943	25	<2	ns	17.4	89.43	8.1	33.19	8.2
F22	05 Nov 2015	943	60	6e	ns	15.7	89.79	6.7	33.41	8.1
F22	05 Nov 2015	943	80	20e	ns	14.2	85.74	5.7	33.40	8.0
F23	05 Nov 2015	926	1	<2	ns	20.4	89.67	7.2	33.48	8.2
F23	05 Nov 2015	926	25	<2	ns	17.3	89.51	8.2	33.19	8.2
F23	05 Nov 2015	926	60	8e	ns	15.8	89.75	6.7	33.41	8.1
F23	05 Nov 2015	926	80	10e	ns	14.1	87.07	5.6	33.49	8.0
F24	05 Nov 2015	903	1	<2	ns	20.4	89.64	7.3	33.48	8.2

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F24	05 Nov 2015	903	25	40	ns	17.1	89.38	8.0	33.29	8.2
F24	05 Nov 2015	903	60	2e	ns	15.2	89.99	6.4	33.42	8.1
F24	05 Nov 2015	903	80	24e	ns	14.4	88.70	5.7	33.45	8.0
F25	05 Nov 2015	845	1	<2	ns	20.3	89.88	7.3	33.48	8.2
F25	05 Nov 2015	845	25	<2	ns	16.8	89.78	8.1	33.22	8.2
F25	05 Nov 2015	845	60	8e	ns	15.7	89.63	6.6	33.41	8.1
F25	05 Nov 2015	845	80	30e	ns	14.3	87.43	5.7	33.47	8.0
F26	06 Nov 2015	1138	1	<2	ns	20.2	89.45	7.2	33.49	8.2
F26	06 Nov 2015	1138	25	<2	ns	20.0	89.14	7.3	33.48	8.2
F26	06 Nov 2015	1138	60	<2	ns	16.2	89.09	6.8	33.39	8.1
F26	06 Nov 2015	1138	80	14e	ns	14.2	88.60	5.6	33.51	8.0
F26	06 Nov 2015	1138	98	6e	ns	13.3	88.27	4.9	33.59	7.9
F27	06 Nov 2015	1121	1	<2	ns	20.3	89.40	7.2	33.50	8.2
F27	06 Nov 2015	1121	25	<2	ns	19.9	89.06	7.3	33.47	8.2
F27	06 Nov 2015	1121	60	2e	ns	16.2	87.03	6.8	33.40	8.1
F27	06 Nov 2015	1121	80	10e	ns	13.8	89.01	5.3	33.55	8.0
F27	06 Nov 2015	1121	98	2e	ns	13.0	87.71	4.7	33.62	7.9
F28	06 Nov 2015	1058	1	<2	ns	20.0	89.64	7.4	33.45	8.2
F28	06 Nov 2015	1058	25	<2	ns	19.8	89.32	7.4	33.44	8.2
F28	06 Nov 2015	1058	60	<2	ns	16.2	89.31	6.9	33.40	8.1
F28	06 Nov 2015	1058	80	40	ns	14.2	87.45	5.5	33.51	8.0
F28	06 Nov 2015	1058	98	22e	ns	13.0	86.53	4.7	33.62	7.9
F29	06 Nov 2015	1042	1	4e	ns	20.0	89.90	7.4	33.45	8.2
F29	06 Nov 2015	1042	25	20e	ns	18.3	89.53	7.9	33.17	8.2
F29	06 Nov 2015	1042	60	<2	ns	16.2	89.38	7.0	33.39	8.1
F29	06 Nov 2015	1042	80	10e	ns	15.3	89.16	6.4	33.41	8.1
F29	06 Nov 2015	1042	98	16e	ns	12.7	87.66	4.6	33.62	7.9
F30	06 Nov 2015	1027	1	<2	ns	20.1	89.08	7.3	33.45	8.2
F30	06 Nov 2015	1027	25	<2	ns	17.6	89.69	8.1	33.26	8.2
F30	06 Nov 2015	1027	60	<2	ns	16.3	89.24	7.0	33.39	8.1
F30	06 Nov 2015	1027	80	340e	ns	15.2	89.81	6.2	33.41	8.0
F30	06 Nov 2015	1027	98	580	ns	12.7	84.67	4.8	33.54	7.9
F31	06 Nov 2015	1011	1	<2	ns	20.2	89.83	7.3	33.46	8.2
F31	06 Nov 2015	1011	25	<2	ns	17.4	89.82	8.2	33.09	8.2
F31	06 Nov 2015	1011	60	<2	ns	16.0	89.49	6.8	33.40	8.1
F31	06 Nov 2015	1011	80	44	ns	15.0	89.79	6.2	33.44	8.0
F31	06 Nov 2015	1011	98	<2	ns	13.6	89.71	5.7	33.49	8.0
F32	06 Nov 2015	955	1	<2	ns	20.1	90.09	7.3	33.47	8.2
F32	06 Nov 2015	955	25	<2	ns	17.6	89.76	8.2	33.16	8.2
F32	06 Nov 2015	955	60	4e	ns	15.7	89.67	6.5	33.41	8.1
F32	06 Nov 2015	955	80	20e	ns	14.8	90.10	6.1	33.46	8.0
F32	06 Nov 2015	955	98	<2	ns	13.3	89.33	5.4	33.51	8.0
F33	06 Nov 2015	939	1	<2	ns	20.2	89.47	7.2	33.47	8.2
F33	06 Nov 2015	939	25	<2	ns	18.4	89.54	7.9	33.31	8.2
F33	06 Nov 2015	939	60	4e	ns	15.6	89.53	6.6	33.41	8.1
F33	06 Nov 2015	939	80	6e	ns	14.5	90.28	6.3	33.43	8.0

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F33	06 Nov 2015	939	98	2e	ns	13.3	89.76	5.3	33.52	8.0
F34	06 Nov 2015	923	1	<2	ns	20.4	88.53	7.3	33.50	8.2
F34	06 Nov 2015	923	25	<2	ns	18.2	89.26	7.9	33.36	8.2
F34	06 Nov 2015	923	60	<2	ns	15.3	89.79	7.3	33.33	8.1
F34	06 Nov 2015	923	80	<2	ns	13.7	90.70	6.8	33.33	8.0
F34	06 Nov 2015	923	98	<2	ns	13.2	88.07	5.0	33.56	7.9
F35	06 Nov 2015	905	1	<2	ns	20.6	89.92	7.2	33.52	8.2
F35	06 Nov 2015	905	25	<2	ns	18.5	89.68	7.8	33.38	8.2
F35	06 Nov 2015	905	60	<2	ns	14.8	90.45	7.5	33.28	8.1
F35	06 Nov 2015	905	80	<2	ns	13.3	91.12	6.4	33.36	8.0
F35	06 Nov 2015	905	98	<2	ns	13.1	90.37	5.0	33.58	7.9
F36	06 Nov 2015	837	1	<2	ns	20.4	89.84	7.3	33.49	8.2
F36	06 Nov 2015	837	25	<2	ns	18.4	89.69	7.9	33.35	8.2
F36	06 Nov 2015	837	60	<2	ns	14.7	90.63	7.4	33.28	8.1
F36	06 Nov 2015	837	80	<2	ns	13.5	90.87	6.1	33.43	8.0
F36	06 Nov 2015	837	98	<2	ns	12.8	90.54	4.7	33.62	7.9

NA = not available

ns = not sampled

Table 4.3

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

Station	Date	Parameter	Value
F01	02 Nov 2015	Depth (m)	19
F01	02 Nov 2015	Arrive Time	1306
F01	02 Nov 2015	Depart Time	1312
F01	02 Nov 2015	Air Temp (C)	20
F01	02 Nov 2015	Weather	Overcast
F01	02 Nov 2015	Visibility (mi)	6
F01	02 Nov 2015	Wind Speed (kts)	11
F01	02 Nov 2015	Wind Dir	SE
F01	02 Nov 2015	Water Color	Green
F01	02 Nov 2015	Wave Ht Low (ft)	3
F01	02 Nov 2015	Wave Period (sec)	9
F01	02 Nov 2015	Sea State	Light chop
F01	02 Nov 2015	High Tide (ft)	4.45
F01	02 Nov 2015	High Tide Time	1313
F01	02 Nov 2015	Low Tide (ft)	2.85
F01	02 Nov 2015	Low Tide Time	732
F01	02 Nov 2015	Comments	
F02	02 Nov 2015	Depth (m)	21
F02	02 Nov 2015	Arrive Time	851
F02	02 Nov 2015	Depart Time	905
F02	02 Nov 2015	Air Temp (C)	20
F02	02 Nov 2015	Weather	Overcast
F02	02 Nov 2015	Visibility (mi)	4
F02	02 Nov 2015	Wind Speed (kts)	2
F02	02 Nov 2015	Wind Dir	SW
F02	02 Nov 2015	Water Color	Bluish-Green
F02	02 Nov 2015	Wave Ht Low (ft)	3
F02	02 Nov 2015	Wave Period (sec)	9
F02	02 Nov 2015	Sea State	Calm
F02	02 Nov 2015	High Tide (ft)	4.45
F02	02 Nov 2015	High Tide Time	1313
F02	02 Nov 2015	Low Tide (ft)	2.85
F02	02 Nov 2015	Low Tide Time	732
F02	02 Nov 2015	Comments	Lobster floats
F03	02 Nov 2015	Depth (m)	20
F03	02 Nov 2015	Arrive Time	915
F03	02 Nov 2015	Depart Time	931
F03	02 Nov 2015	Air Temp (C)	21
F03	02 Nov 2015	Weather	Partly Cloudy
F03	02 Nov 2015	Visibility (mi)	7
F03	02 Nov 2015	Wind Speed (kts)	1
F03	02 Nov 2015	Wind Dir	NE
F03	02 Nov 2015	Water Color	Bluish-Green
F03	02 Nov 2015	Wave Ht Low (ft)	3
F03	02 Nov 2015	Wave Period (sec)	9
F03	02 Nov 2015	Sea State	Calm
F03	02 Nov 2015	High Tide (ft)	4.45
F03	02 Nov 2015	High Tide Time	1313
F03	02 Nov 2015	Low Tide (ft)	2.85

Station	Date	Parameter	Value
F03	02 Nov 2015	Low Tide Time	732
F03	02 Nov 2015	Comments	
F04	02 Nov 2015	Depth (m)	61
F04	02 Nov 2015	Arrive Time	1246
F04	02 Nov 2015	Depart Time	1251
F04	02 Nov 2015	Air Temp (C)	20
F04	02 Nov 2015	Weather	Overcast
F04	02 Nov 2015	Visibility (mi)	6
F04	02 Nov 2015	Wind Speed (kts)	15
F04	02 Nov 2015	Wind Dir	SE
F04	02 Nov 2015	Water Color	Blue
F04	02 Nov 2015	Wave Ht Low (ft)	3
F04	02 Nov 2015	Wave Period (sec)	9
F04	02 Nov 2015	Sea State	Wind ripples
F04	02 Nov 2015	High Tide (ft)	4.45
F04	02 Nov 2015	High Tide Time	1313
F04	02 Nov 2015	Low Tide (ft)	2.85
F04	02 Nov 2015	Low Tide Time	732
F04	02 Nov 2015	Comments	
F05	02 Nov 2015	Depth (m)	61
F05	02 Nov 2015	Arrive Time	1232
F05	02 Nov 2015	Depart Time	1236
F05	02 Nov 2015	Air Temp (C)	20
F05	02 Nov 2015	Weather	Overcast
F05	02 Nov 2015	Visibility (mi)	6
F05	02 Nov 2015	Wind Speed (kts)	6
F05	02 Nov 2015	Wind Dir	NE
F05	02 Nov 2015	Water Color	Blue
F05	02 Nov 2015	Wave Ht Low (ft)	3
F05	02 Nov 2015	Wave Period (sec)	9
F05	02 Nov 2015	Sea State	Wind ripples
F05	02 Nov 2015	High Tide (ft)	4.45
F05	02 Nov 2015	High Tide Time	1313
F05	02 Nov 2015	Low Tide (ft)	2.85
F05	02 Nov 2015	Low Tide Time	732
F05	02 Nov 2015	Comments	
F06	02 Nov 2015	Depth (m)	61
F06	02 Nov 2015	Arrive Time	1218
F06	02 Nov 2015	Depart Time	1222
F06	02 Nov 2015	Air Temp (C)	20
F06	02 Nov 2015	Weather	Overcast
F06	02 Nov 2015	Visibility (mi)	6
F06	02 Nov 2015	Wind Speed (kts)	6
F06	02 Nov 2015	Wind Dir	SW
F06	02 Nov 2015	Water Color	Blue
F06	02 Nov 2015	Wave Ht Low (ft)	3
F06	02 Nov 2015	Wave Period (sec)	9
F06	02 Nov 2015	Sea State	Calm
F06	02 Nov 2015	High Tide (ft)	4.45
F06	02 Nov 2015	High Tide Time	1313
F06	02 Nov 2015	Low Tide (ft)	2.85
F06	02 Nov 2015	Low Tide Time	732

Station	Date	Parameter	Value
F06	02 Nov 2015	Comments	
F07	02 Nov 2015	Depth (m)	63
F07	02 Nov 2015	Arrive Time	1203
F07	02 Nov 2015	Depart Time	1207
F07	02 Nov 2015	Air Temp (C)	21
F07	02 Nov 2015	Weather	Overcast
F07	02 Nov 2015	Visibility (mi)	6
F07	02 Nov 2015	Wind Speed (kts)	9
F07	02 Nov 2015	Wind Dir	W
F07	02 Nov 2015	Water Color	Blue
F07	02 Nov 2015	Wave Ht Low (ft)	3
F07	02 Nov 2015	Wave Period (sec)	9
F07	02 Nov 2015	Sea State	Wind ripples
F07	02 Nov 2015	High Tide (ft)	4.45
F07	02 Nov 2015	High Tide Time	1313
F07	02 Nov 2015	Low Tide (ft)	2.85
F07	02 Nov 2015	Low Tide Time	732
F07	02 Nov 2015	Comments	
F08	02 Nov 2015	Depth (m)	62
F08	02 Nov 2015	Arrive Time	1148
F08	02 Nov 2015	Depart Time	1153
F08	02 Nov 2015	Air Temp (C)	21
F08	02 Nov 2015	Weather	Overcast
F08	02 Nov 2015	Visibility (mi)	6
F08	02 Nov 2015	Wind Speed (kts)	8
F08	02 Nov 2015	Wind Dir	SE
F08	02 Nov 2015	Water Color	Blue
F08	02 Nov 2015	Wave Ht Low (ft)	3
F08	02 Nov 2015	Wave Period (sec)	9
F08	02 Nov 2015	Sea State	Wind ripples
F08	02 Nov 2015	High Tide (ft)	4.45
F08	02 Nov 2015	High Tide Time	1313
F08	02 Nov 2015	Low Tide (ft)	2.85
F08	02 Nov 2015	Low Tide Time	732
F08	02 Nov 2015	Comments	Lobster floats
F09	02 Nov 2015	Depth (m)	62
F09	02 Nov 2015	Arrive Time	1129
F09	02 Nov 2015	Depart Time	1134
F09	02 Nov 2015	Air Temp (C)	21
F09	02 Nov 2015	Weather	Overcast
F09	02 Nov 2015	Visibility (mi)	6
F09	02 Nov 2015	Wind Speed (kts)	6
F09	02 Nov 2015	Wind Dir	SW
F09	02 Nov 2015	Water Color	Blue
F09	02 Nov 2015	Wave Ht Low (ft)	3
F09	02 Nov 2015	Wave Period (sec)	9
F09	02 Nov 2015	Sea State	Calm
F09	02 Nov 2015	High Tide (ft)	4.45
F09	02 Nov 2015	High Tide Time	1313
F09	02 Nov 2015	Low Tide (ft)	2.85
F09	02 Nov 2015	Low Tide Time	732
F09	02 Nov 2015	Comments	

Station	Date	Parameter	Value
F10	02 Nov 2015	Depth (m)	61
F10	02 Nov 2015	Arrive Time	1110
F10	02 Nov 2015	Depart Time	1114
F10	02 Nov 2015	Air Temp (C)	21
F10	02 Nov 2015	Weather	Overcast
F10	02 Nov 2015	Visibility (mi)	6
F10	02 Nov 2015	Wind Speed (kts)	3
F10	02 Nov 2015	Wind Dir	NE
F10	02 Nov 2015	Water Color	Blue
F10	02 Nov 2015	Wave Ht Low (ft)	3
F10	02 Nov 2015	Wave Period (sec)	9
F10	02 Nov 2015	Sea State	Calm
F10	02 Nov 2015	High Tide (ft)	4.45
F10	02 Nov 2015	High Tide Time	1313
F10	02 Nov 2015	Low Tide (ft)	2.85
F10	02 Nov 2015	Low Tide Time	732
F10	02 Nov 2015	Comments	
F11	02 Nov 2015	Depth (m)	61
F11	02 Nov 2015	Arrive Time	1054
F11	02 Nov 2015	Depart Time	1058
F11	02 Nov 2015	Air Temp (C)	20
F11	02 Nov 2015	Weather	Overcast
F11	02 Nov 2015	Visibility (mi)	6
F11	02 Nov 2015	Wind Speed (kts)	7
F11	02 Nov 2015	Wind Dir	E
F11	02 Nov 2015	Water Color	Blue
F11	02 Nov 2015	Wave Ht Low (ft)	3
F11	02 Nov 2015	Wave Period (sec)	9
F11	02 Nov 2015	Sea State	Calm
F11	02 Nov 2015	High Tide (ft)	4.45
F11	02 Nov 2015	High Tide Time	1313
F11	02 Nov 2015	Low Tide (ft)	2.85
F11	02 Nov 2015	Low Tide Time	732
F11	02 Nov 2015	Comments	
F12	02 Nov 2015	Depth (m)	62
F12	02 Nov 2015	Arrive Time	1038
F12	02 Nov 2015	Depart Time	1043
F12	02 Nov 2015	Air Temp (C)	20
F12	02 Nov 2015	Weather	Overcast
F12	02 Nov 2015	Visibility (mi)	6
F12	02 Nov 2015	Wind Speed (kts)	3
F12	02 Nov 2015	Wind Dir	N
F12	02 Nov 2015	Water Color	Blue
F12	02 Nov 2015	Wave Ht Low (ft)	3
F12	02 Nov 2015	Wave Period (sec)	9
F12	02 Nov 2015	Sea State	Calm
F12	02 Nov 2015	High Tide (ft)	4.45
F12	02 Nov 2015	High Tide Time	1313
F12	02 Nov 2015	Low Tide (ft)	2.85
F12	02 Nov 2015	Low Tide Time	732
F12	02 Nov 2015	Comments	

Station	Date	Parameter	Value
F13	02 Nov 2015	Depth (m)	61
F13	02 Nov 2015	Arrive Time	955
F13	02 Nov 2015	Depart Time	1001
F13	02 Nov 2015	Air Temp (C)	20
F13	02 Nov 2015	Weather	Partly Cloudy
F13	02 Nov 2015	Visibility (mi)	7
F13	02 Nov 2015	Wind Speed (kts)	3
F13	02 Nov 2015	Wind Dir	E
F13	02 Nov 2015	Water Color	Blue
F13	02 Nov 2015	Wave Ht Low (ft)	3
F13	02 Nov 2015	Wave Period (sec)	9
F13	02 Nov 2015	Sea State	Calm
F13	02 Nov 2015	High Tide (ft)	4.45
F13	02 Nov 2015	High Tide Time	1313
F13	02 Nov 2015	Low Tide (ft)	2.85
F13	02 Nov 2015	Low Tide Time	732
F13	02 Nov 2015	Comments	
F14	02 Nov 2015	Depth (m)	61
F14	02 Nov 2015	Arrive Time	939
F14	02 Nov 2015	Depart Time	945
F14	02 Nov 2015	Air Temp (C)	20
F14	02 Nov 2015	Weather	Partly Cloudy
F14	02 Nov 2015	Visibility (mi)	7
F14	02 Nov 2015	Wind Speed (kts)	3
F14	02 Nov 2015	Wind Dir	S
F14	02 Nov 2015	Water Color	Blue
F14	02 Nov 2015	Wave Ht Low (ft)	3
F14	02 Nov 2015	Wave Period (sec)	9
F14	02 Nov 2015	Sea State	Calm
F14	02 Nov 2015	High Tide (ft)	4.45
F14	02 Nov 2015	High Tide Time	1313
F14	02 Nov 2015	Low Tide (ft)	2.85
F14	02 Nov 2015	Low Tide Time	732
F14	02 Nov 2015	Comments	
F15	05 Nov 2015	Depth (m)	80
F15	05 Nov 2015	Arrive Time	1147
F15	05 Nov 2015	Depart Time	1152
F15	05 Nov 2015	Air Temp (C)	18
F15	05 Nov 2015	Weather	Clear
F15	05 Nov 2015	Visibility (mi)	12
F15	05 Nov 2015	Wind Speed (kts)	4
F15	05 Nov 2015	Wind Dir	S
F15	05 Nov 2015	Water Color	Bluish-Green
F15	05 Nov 2015	Wave Ht Low (ft)	3
F15	05 Nov 2015	Wave Period (sec)	4
F15	05 Nov 2015	Sea State	Light chop
F15	05 Nov 2015	High Tide (ft)	4.6
F15	05 Nov 2015	High Tide Time	530
F15	05 Nov 2015	Low Tide (ft)	1.83
F15	05 Nov 2015	Low Tide Time	1138
F15	05 Nov 2015	Comments	
F16	05 Nov 2015	Depth (m)	81

Station	Date	Parameter	Value
F16	05 Nov 2015	Arrive Time	1133
F16	05 Nov 2015	Depart Time	1139
F16	05 Nov 2015	Air Temp (C)	18
F16	05 Nov 2015	Weather	Clear
F16	05 Nov 2015	Visibility (mi)	12
F16	05 Nov 2015	Wind Speed (kts)	6
F16	05 Nov 2015	Wind Dir	W
F16	05 Nov 2015	Water Color	Bluish-Green
F16	05 Nov 2015	Wave Ht Low (ft)	3
F16	05 Nov 2015	Wave Period (sec)	4
F16	05 Nov 2015	Sea State	Light chop
F16	05 Nov 2015	High Tide (ft)	4.6
F16	05 Nov 2015	High Tide Time	530
F16	05 Nov 2015	Low Tide (ft)	1.83
F16	05 Nov 2015	Low Tide Time	1138
F16	05 Nov 2015	Comments	
F17	05 Nov 2015	Depth (m)	80
F17	05 Nov 2015	Arrive Time	1112
F17	05 Nov 2015	Depart Time	1120
F17	05 Nov 2015	Air Temp (C)	18
F17	05 Nov 2015	Weather	Clear
F17	05 Nov 2015	Visibility (mi)	12
F17	05 Nov 2015	Wind Speed (kts)	4
F17	05 Nov 2015	Wind Dir	SE
F17	05 Nov 2015	Water Color	Bluish-Green
F17	05 Nov 2015	Wave Ht Low (ft)	3
F17	05 Nov 2015	Wave Period (sec)	4
F17	05 Nov 2015	Sea State	Light chop
F17	05 Nov 2015	High Tide (ft)	4.6
F17	05 Nov 2015	High Tide Time	530
F17	05 Nov 2015	Low Tide (ft)	1.83
F17	05 Nov 2015	Low Tide Time	1138
F17	05 Nov 2015	Comments	
F18	05 Nov 2015	Depth (m)	80
F18	05 Nov 2015	Arrive Time	1057
F18	05 Nov 2015	Depart Time	1102
F18	05 Nov 2015	Air Temp (C)	18
F18	05 Nov 2015	Weather	Clear
F18	05 Nov 2015	Visibility (mi)	12
F18	05 Nov 2015	Wind Speed (kts)	4
F18	05 Nov 2015	Wind Dir	SE
F18	05 Nov 2015	Water Color	Bluish-Green
F18	05 Nov 2015	Wave Ht Low (ft)	3
F18	05 Nov 2015	Wave Period (sec)	4
F18	05 Nov 2015	Sea State	Light chop
F18	05 Nov 2015	High Tide (ft)	4.6
F18	05 Nov 2015	High Tide Time	530
F18	05 Nov 2015	Low Tide (ft)	1.83
F18	05 Nov 2015	Low Tide Time	1138
F18	05 Nov 2015	Comments	
F19	05 Nov 2015	Depth (m)	82
F19	05 Nov 2015	Arrive Time	1036

Station	Date	Parameter	Value
F19	05 Nov 2015	Depart Time	1048
F19	05 Nov 2015	Air Temp (C)	17
F19	05 Nov 2015	Weather	Clear
F19	05 Nov 2015	Visibility (mi)	12
F19	05 Nov 2015	Wind Speed (kts)	4
F19	05 Nov 2015	Wind Dir	S
F19	05 Nov 2015	Water Color	Bluish-Green
F19	05 Nov 2015	Wave Ht Low (ft)	3
F19	05 Nov 2015	Wave Period (sec)	4
F19	05 Nov 2015	Sea State	Light chop
F19	05 Nov 2015	High Tide (ft)	4.6
F19	05 Nov 2015	High Tide Time	530
F19	05 Nov 2015	Low Tide (ft)	1.83
F19	05 Nov 2015	Low Tide Time	1138
F19	05 Nov 2015	Comments	
F20	05 Nov 2015	Depth (m)	81
F20	05 Nov 2015	Arrive Time	1021
F20	05 Nov 2015	Depart Time	1026
F20	05 Nov 2015	Air Temp (C)	17
F20	05 Nov 2015	Weather	Clear
F20	05 Nov 2015	Visibility (mi)	12
F20	05 Nov 2015	Wind Speed (kts)	1
F20	05 Nov 2015	Wind Dir	E
F20	05 Nov 2015	Water Color	Bluish-Green
F20	05 Nov 2015	Wave Ht Low (ft)	4
F20	05 Nov 2015	Wave Period (sec)	4
F20	05 Nov 2015	Sea State	Light chop
F20	05 Nov 2015	High Tide (ft)	4.6
F20	05 Nov 2015	High Tide Time	530
F20	05 Nov 2015	Low Tide (ft)	1.83
F20	05 Nov 2015	Low Tide Time	1138
F20	05 Nov 2015	Comments	
F21	05 Nov 2015	Depth (m)	82
F21	05 Nov 2015	Arrive Time	958
F21	05 Nov 2015	Depart Time	1011
F21	05 Nov 2015	Air Temp (C)	17
F21	05 Nov 2015	Weather	Clear
F21	05 Nov 2015	Visibility (mi)	12
F21	05 Nov 2015	Wind Speed (kts)	1
F21	05 Nov 2015	Wind Dir	NE
F21	05 Nov 2015	Water Color	Bluish-Green
F21	05 Nov 2015	Wave Ht Low (ft)	4
F21	05 Nov 2015	Wave Period (sec)	4
F21	05 Nov 2015	Sea State	Light chop
F21	05 Nov 2015	High Tide (ft)	4.6
F21	05 Nov 2015	High Tide Time	530
F21	05 Nov 2015	Low Tide (ft)	1.83
F21	05 Nov 2015	Low Tide Time	1138
F21	05 Nov 2015	Comments	60m sample collected from side with van dorn bottle
F22	05 Nov 2015	Depth (m)	80
F22	05 Nov 2015	Arrive Time	943
F22	05 Nov 2015	Depart Time	949

Station	Date	Parameter	Value
F22	05 Nov 2015	Air Temp (C)	18
F22	05 Nov 2015	Weather	Clear
F22	05 Nov 2015	Visibility (mi)	12
F22	05 Nov 2015	Wind Speed (kts)	0
F22	05 Nov 2015	Wind Dir	
F22	05 Nov 2015	Water Color	Bluish-Green
F22	05 Nov 2015	Wave Ht Low (ft)	4
F22	05 Nov 2015	Wave Period (sec)	4
F22	05 Nov 2015	Sea State	Light chop
F22	05 Nov 2015	High Tide (ft)	4.6
F22	05 Nov 2015	High Tide Time	530
F22	05 Nov 2015	Low Tide (ft)	1.83
F22	05 Nov 2015	Low Tide Time	1138
F22	05 Nov 2015	Comments	
F24	05 Nov 2015	Depth (m)	82
F24	05 Nov 2015	Arrive Time	903
F24	05 Nov 2015	Depart Time	910
F24	05 Nov 2015	Air Temp (C)	16
F24	05 Nov 2015	Weather	Clear
F24	05 Nov 2015	Visibility (mi)	12
F24	05 Nov 2015	Wind Speed (kts)	2
F24	05 Nov 2015	Wind Dir	NW
F24	05 Nov 2015	Water Color	Bluish-Green
F24	05 Nov 2015	Wave Ht Low (ft)	4
F24	05 Nov 2015	Wave Period (sec)	4
F24	05 Nov 2015	Sea State	Light chop
F24	05 Nov 2015	High Tide (ft)	4.6
F24	05 Nov 2015	High Tide Time	530
F24	05 Nov 2015	Low Tide (ft)	1.83
F24	05 Nov 2015	Low Tide Time	1138
F24	05 Nov 2015	Comments	
F25	05 Nov 2015	Depth (m)	80
F25	05 Nov 2015	Arrive Time	845
F25	05 Nov 2015	Depart Time	857
F25	05 Nov 2015	Air Temp (C)	16
F25	05 Nov 2015	Weather	Clear
F25	05 Nov 2015	Visibility (mi)	12
F25	05 Nov 2015	Wind Speed (kts)	5
F25	05 Nov 2015	Wind Dir	SW
F25	05 Nov 2015	Water Color	Bluish-Green
F25	05 Nov 2015	Wave Ht Low (ft)	4
F25	05 Nov 2015	Wave Period (sec)	4
F25	05 Nov 2015	Sea State	Light chop
F25	05 Nov 2015	High Tide (ft)	4.6
F25	05 Nov 2015	High Tide Time	530
F25	05 Nov 2015	Low Tide (ft)	1.83
F25	05 Nov 2015	Low Tide Time	1138
F25	05 Nov 2015	Comments	
F26	06 Nov 2015	Depth (m)	97
F26	06 Nov 2015	Arrive Time	1138
F26	06 Nov 2015	Depart Time	1146
F26	06 Nov 2015	Air Temp (C)	20

Station	Date	Parameter	Value
F26	06 Nov 2015	Weather	Clear
F26	06 Nov 2015	Visibility (mi)	15
F26	06 Nov 2015	Wind Speed (kts)	5
F26	06 Nov 2015	Wind Dir	E
F26	06 Nov 2015	Water Color	Blue
F26	06 Nov 2015	Wave Ht Low (ft)	2
F26	06 Nov 2015	Wave Period (sec)	4
F26	06 Nov 2015	Sea State	Calm
F26	06 Nov 2015	High Tide (ft)	4.87
F26	06 Nov 2015	High Tide Time	558
F26	06 Nov 2015	Low Tide (ft)	1.36
F26	06 Nov 2015	Low Tide Time	1219
F26	06 Nov 2015	Comments	Unable to obtain station depth
F27	06 Nov 2015	Depth (m)	98
F27	06 Nov 2015	Arrive Time	1121
F27	06 Nov 2015	Depart Time	1132
F27	06 Nov 2015	Air Temp (C)	19
F27	06 Nov 2015	Weather	Clear
F27	06 Nov 2015	Visibility (mi)	15
F27	06 Nov 2015	Wind Speed (kts)	2
F27	06 Nov 2015	Wind Dir	W
F27	06 Nov 2015	Water Color	Blue
F27	06 Nov 2015	Wave Ht Low (ft)	2
F27	06 Nov 2015	Wave Period (sec)	4
F27	06 Nov 2015	Sea State	Calm
F27	06 Nov 2015	High Tide (ft)	4.87
F27	06 Nov 2015	High Tide Time	558
F27	06 Nov 2015	Low Tide (ft)	1.36
F27	06 Nov 2015	Low Tide Time	1219
F27	06 Nov 2015	Comments	
F28	06 Nov 2015	Depth (m)	99
F28	06 Nov 2015	Arrive Time	1058
F28	06 Nov 2015	Depart Time	1112
F28	06 Nov 2015	Air Temp (C)	19
F28	06 Nov 2015	Weather	Clear
F28	06 Nov 2015	Visibility (mi)	15
F28	06 Nov 2015	Wind Speed (kts)	2
F28	06 Nov 2015	Wind Dir	E
F28	06 Nov 2015	Water Color	Blue
F28	06 Nov 2015	Wave Ht Low (ft)	2
F28	06 Nov 2015	Wave Period (sec)	4
F28	06 Nov 2015	Sea State	Calm
F28	06 Nov 2015	High Tide (ft)	4.87
F28	06 Nov 2015	High Tide Time	558
F28	06 Nov 2015	Low Tide (ft)	1.36
F28	06 Nov 2015	Low Tide Time	1219
F28	06 Nov 2015	Comments	
F29	06 Nov 2015	Depth (m)	98
F29	06 Nov 2015	Arrive Time	1042
F29	06 Nov 2015	Depart Time	1048
F29	06 Nov 2015	Air Temp (C)	19
F29	06 Nov 2015	Weather	Clear

Station	Date	Parameter	Value
F29	06 Nov 2015	Visibility (mi)	15
F29	06 Nov 2015	Wind Speed (kts)	1
F29	06 Nov 2015	Wind Dir	SE
F29	06 Nov 2015	Water Color	Blue
F29	06 Nov 2015	Wave Ht Low (ft)	2
F29	06 Nov 2015	Wave Period (sec)	4
F29	06 Nov 2015	Sea State	Calm
F29	06 Nov 2015	High Tide (ft)	4.87
F29	06 Nov 2015	High Tide Time	558
F29	06 Nov 2015	Low Tide (ft)	1.36
F29	06 Nov 2015	Low Tide Time	1219
F29	06 Nov 2015	Comments	
F30	06 Nov 2015	Depth (m)	97
F30	06 Nov 2015	Arrive Time	1027
F30	06 Nov 2015	Depart Time	1034
F30	06 Nov 2015	Air Temp (C)	19
F30	06 Nov 2015	Weather	Clear
F30	06 Nov 2015	Visibility (mi)	15
F30	06 Nov 2015	Wind Speed (kts)	2
F30	06 Nov 2015	Wind Dir	NE
F30	06 Nov 2015	Water Color	Blue
F30	06 Nov 2015	Wave Ht Low (ft)	2
F30	06 Nov 2015	Wave Period (sec)	4
F30	06 Nov 2015	Sea State	Calm
F30	06 Nov 2015	High Tide (ft)	4.87
F30	06 Nov 2015	High Tide Time	558
F30	06 Nov 2015	Low Tide (ft)	1.36
F30	06 Nov 2015	Low Tide Time	1219
F30	06 Nov 2015	Comments	
F31	06 Nov 2015	Depth (m)	97
F31	06 Nov 2015	Arrive Time	1011
F31	06 Nov 2015	Depart Time	1018
F31	06 Nov 2015	Air Temp (C)	18
F31	06 Nov 2015	Weather	Clear
F31	06 Nov 2015	Visibility (mi)	15
F31	06 Nov 2015	Wind Speed (kts)	1
F31	06 Nov 2015	Wind Dir	SE
F31	06 Nov 2015	Water Color	Blue
F31	06 Nov 2015	Wave Ht Low (ft)	2
F31	06 Nov 2015	Wave Period (sec)	4
F31	06 Nov 2015	Sea State	Calm
F31	06 Nov 2015	High Tide (ft)	4.87
F31	06 Nov 2015	High Tide Time	558
F31	06 Nov 2015	Low Tide (ft)	1.36
F31	06 Nov 2015	Low Tide Time	1219
F31	06 Nov 2015	Comments	
F32	06 Nov 2015	Depth (m)	99
F32	06 Nov 2015	Arrive Time	955
F32	06 Nov 2015	Depart Time	1001
F32	06 Nov 2015	Air Temp (C)	18
F32	06 Nov 2015	Weather	Clear
F32	06 Nov 2015	Visibility (mi)	15

Station	Date	Parameter	Value
F32	06 Nov 2015	Wind Speed (kts)	0
F32	06 Nov 2015	Wind Dir	
F32	06 Nov 2015	Water Color	Blue
F32	06 Nov 2015	Wave Ht Low (ft)	2
F32	06 Nov 2015	Wave Period (sec)	4
F32	06 Nov 2015	Sea State	Calm
F32	06 Nov 2015	High Tide (ft)	4.87
F32	06 Nov 2015	High Tide Time	558
F32	06 Nov 2015	Low Tide (ft)	1.36
F32	06 Nov 2015	Low Tide Time	1219
F32	06 Nov 2015	Comments	
F33	06 Nov 2015	Depth (m)	100
F33	06 Nov 2015	Arrive Time	939
F33	06 Nov 2015	Depart Time	945
F33	06 Nov 2015	Air Temp (C)	18
F33	06 Nov 2015	Weather	Clear
F33	06 Nov 2015	Visibility (mi)	10
F33	06 Nov 2015	Wind Speed (kts)	0
F33	06 Nov 2015	Wind Dir	
F33	06 Nov 2015	Water Color	Blue
F33	06 Nov 2015	Wave Ht Low (ft)	2
F33	06 Nov 2015	Wave Period (sec)	4
F33	06 Nov 2015	Sea State	Calm
F33	06 Nov 2015	High Tide (ft)	4.87
F33	06 Nov 2015	High Tide Time	558
F33	06 Nov 2015	Low Tide (ft)	1.36
F33	06 Nov 2015	Low Tide Time	1219
F33	06 Nov 2015	Comments	
F34	06 Nov 2015	Depth (m)	99
F34	06 Nov 2015	Arrive Time	923
F34	06 Nov 2015	Depart Time	929
F34	06 Nov 2015	Air Temp (C)	18
F34	06 Nov 2015	Weather	Clear
F34	06 Nov 2015	Visibility (mi)	10
F34	06 Nov 2015	Wind Speed (kts)	0
F34	06 Nov 2015	Wind Dir	
F34	06 Nov 2015	Water Color	Blue
F34	06 Nov 2015	Wave Ht Low (ft)	2
F34	06 Nov 2015	Wave Period (sec)	4
F34	06 Nov 2015	Sea State	Calm
F34	06 Nov 2015	High Tide (ft)	4.87
F34	06 Nov 2015	High Tide Time	558
F34	06 Nov 2015	Low Tide (ft)	1.36
F34	06 Nov 2015	Low Tide Time	1219
F34	06 Nov 2015	Comments	
F35	06 Nov 2015	Depth (m)	99
F35	06 Nov 2015	Arrive Time	905
F35	06 Nov 2015	Depart Time	911
F35	06 Nov 2015	Air Temp (C)	18
F35	06 Nov 2015	Weather	Clear
F35	06 Nov 2015	Visibility (mi)	10
F35	06 Nov 2015	Wind Speed (kts)	4

Station	Date	Parameter	Value
F35	06 Nov 2015	Wind Dir	SE
F35	06 Nov 2015	Water Color	Blue
F35	06 Nov 2015	Wave Ht Low (ft)	2
F35	06 Nov 2015	Wave Period (sec)	4
F35	06 Nov 2015	Sea State	Calm
F35	06 Nov 2015	High Tide (ft)	4.87
F35	06 Nov 2015	High Tide Time	558
F35	06 Nov 2015	Low Tide (ft)	1.36
F35	06 Nov 2015	Low Tide Time	1219
F35	06 Nov 2015	Comments	
F36	06 Nov 2015	Depth (m)	98
F36	06 Nov 2015	Arrive Time	837
F36	06 Nov 2015	Depart Time	852
F36	06 Nov 2015	Air Temp (C)	17
F36	06 Nov 2015	Weather	Clear
F36	06 Nov 2015	Visibility (mi)	10
F36	06 Nov 2015	Wind Speed (kts)	4
F36	06 Nov 2015	Wind Dir	S
F36	06 Nov 2015	Water Color	Blue
F36	06 Nov 2015	Wave Ht Low (ft)	2
F36	06 Nov 2015	Wave Period (sec)	4
F36	06 Nov 2015	Sea State	Calm
F36	06 Nov 2015	High Tide (ft)	4.87
F36	06 Nov 2015	High Tide Time	558
F36	06 Nov 2015	Low Tide (ft)	1.36
F36	06 Nov 2015	Low Tide Time	1219
F36	06 Nov 2015	Comments	

Table 4.4

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F01	02 Nov 2015	1	20.55	87.83	7.4	33.46	8.2	23.4	0.69
F01	02 Nov 2015	2	20.57	88.03	7.4	33.46	8.2	23.4	0.71
F01	02 Nov 2015	3	20.53	88.03	7.4	33.46	8.2	23.4	0.76
F01	02 Nov 2015	4	20.54	87.94	7.3	33.46	8.2	23.4	0.81
F01	02 Nov 2015	5	20.50	87.95	7.4	33.46	8.2	23.5	0.84
F01	02 Nov 2015	6	20.47	87.72	7.4	33.46	8.2	23.5	0.92
F01	02 Nov 2015	7	20.43	87.55	7.4	33.46	8.2	23.5	0.97
F01	02 Nov 2015	8	20.35	87.36	7.4	33.44	8.2	23.5	1.13
F01	02 Nov 2015	9	20.26	86.72	7.4	33.45	8.2	23.5	1.21
F01	02 Nov 2015	10	20.25	86.74	7.4	33.45	8.2	23.5	1.20
F01	02 Nov 2015	11	20.22	86.72	7.4	33.45	8.2	23.5	1.17
F01	02 Nov 2015	12	20.17	86.83	7.5	33.45	8.2	23.5	1.14
F01	02 Nov 2015	13	20.14	86.92	7.4	33.45	8.2	23.5	1.18
F01	02 Nov 2015	14	20.15	87.23	7.4	33.45	8.2	23.5	1.10
F01	02 Nov 2015	15	20.14	87.23	7.4	33.45	8.2	23.5	1.15
F01	02 Nov 2015	16	20.12	87.01	7.4	33.45	8.2	23.6	1.26
F01	02 Nov 2015	17	19.96	86.03	7.3	33.42	8.2	23.6	1.48
F01	02 Nov 2015	18	19.61	82.79	7.4	33.42	8.2	23.7	1.61
F01	02 Nov 2015	19	19.44	80.94	7.4	33.42	8.2	23.7	1.65
F01	02 Nov 2015	20	19.42	80.13	7.4	33.42	8.2	23.7	1.49
F01	02 Nov 2015	21	19.42	79.87	7.4	33.42	8.2	23.7	1.46
F02	02 Nov 2015	1	20.92	87.95	7.3	33.50	8.2	23.4	0.50
F02	02 Nov 2015	2	20.92	88.23	7.3	33.50	8.2	23.4	0.52
F02	02 Nov 2015	3	20.91	88.40	7.3	33.50	8.2	23.4	0.55
F02	02 Nov 2015	4	20.90	88.41	7.3	33.50	8.2	23.4	0.57
F02	02 Nov 2015	5	20.88	88.42	7.3	33.49	8.2	23.4	0.58
F02	02 Nov 2015	6	20.67	88.39	7.4	33.48	8.2	23.4	0.70
F02	02 Nov 2015	7	20.33	88.25	7.3	33.43	8.2	23.5	0.90
F02	02 Nov 2015	8	20.11	85.79	7.3	33.46	8.2	23.6	1.03
F02	02 Nov 2015	9	20.06	85.13	7.2	33.45	8.2	23.6	1.16
F02	02 Nov 2015	10	19.94	83.65	7.2	33.45	8.2	23.6	1.22
F02	02 Nov 2015	11	19.80	83.33	7.2	33.45	8.2	23.6	1.26
F02	02 Nov 2015	12	19.64	82.91	7.1	33.43	8.2	23.7	1.28
F02	02 Nov 2015	13	19.14	82.20	7.2	33.42	8.1	23.8	1.21
F02	02 Nov 2015	14	18.78	82.97	7.4	33.41	8.1	23.9	1.26
F02	02 Nov 2015	15	18.55	84.25	7.6	33.41	8.1	23.9	1.34
F02	02 Nov 2015	16	18.43	85.61	7.7	33.41	8.2	23.9	1.38
F02	02 Nov 2015	17	18.39	86.10	7.6	33.40	8.2	23.9	1.39
F02	02 Nov 2015	18	18.06	86.07	7.6	33.40	8.2	24.0	1.47
F02	02 Nov 2015	19	18.00	85.97	7.6	33.40	8.1	24.0	1.52
F02	02 Nov 2015	20	17.92	85.92	7.5	33.40	8.1	24.1	1.49
F03	02 Nov 2015	1	20.98	85.40	7.2	33.48	8.2	23.3	0.68
F03	02 Nov 2015	2	20.54	85.50	7.3	33.46	8.2	23.4	0.75
F03	02 Nov 2015	3	20.19	84.75	7.3	33.46	8.2	23.5	0.88
F03	02 Nov 2015	4	20.13	84.07	7.3	33.46	8.2	23.6	0.96
F03	02 Nov 2015	5	20.07	84.20	7.3	33.45	8.2	23.6	1.03
F03	02 Nov 2015	6	19.98	84.72	7.4	33.45	8.2	23.6	1.06
F03	02 Nov 2015	7	19.94	85.08	7.4	33.45	8.2	23.6	1.08
F03	02 Nov 2015	8	19.81	85.84	7.3	33.44	8.2	23.6	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F03	02 Nov 2015	9	19.60	84.65	7.2	33.44	8.2	23.7	1.34
F03	02 Nov 2015	10	19.41	79.95	7.2	33.43	8.2	23.7	1.39
F03	02 Nov 2015	11	19.20	79.06	7.3	33.42	8.1	23.8	1.38
F03	02 Nov 2015	12	18.97	80.30	7.3	33.42	8.1	23.8	1.35
F03	02 Nov 2015	13	18.90	79.72	7.4	33.42	8.1	23.8	1.36
F03	02 Nov 2015	14	18.87	76.28	7.4	33.42	8.1	23.8	1.35
F03	02 Nov 2015	15	18.85	76.40	7.3	33.42	8.1	23.9	1.35
F03	02 Nov 2015	16	18.84	76.41	7.4	33.42	8.1	23.9	1.37
F03	02 Nov 2015	17	18.81	76.61	7.4	33.42	8.1	23.9	1.36
F03	02 Nov 2015	18	18.77	76.66	7.3	33.42	8.2	23.9	1.34
F03	02 Nov 2015	19	18.74	76.78	7.4	33.42	8.2	23.9	1.39
F04	02 Nov 2015	1	20.92	89.30	7.3	33.49	8.2	23.4	0.39
F04	02 Nov 2015	2	20.90	89.41	7.4	33.48	8.2	23.4	0.44
F04	02 Nov 2015	3	20.71	89.27	7.5	33.46	8.2	23.4	0.51
F04	02 Nov 2015	4	20.64	88.89	7.4	33.47	8.2	23.4	0.55
F04	02 Nov 2015	5	20.61	88.81	7.5	33.46	8.2	23.4	0.61
F04	02 Nov 2015	6	20.58	88.76	7.5	33.46	8.2	23.4	0.61
F04	02 Nov 2015	7	20.57	88.76	7.5	33.46	8.2	23.4	0.63
F04	02 Nov 2015	8	20.53	88.76	7.5	33.46	8.2	23.4	0.65
F04	02 Nov 2015	9	20.49	88.71	7.5	33.46	8.2	23.5	0.67
F04	02 Nov 2015	10	20.45	88.62	7.5	33.45	8.2	23.5	0.69
F04	02 Nov 2015	11	20.39	88.68	7.5	33.45	8.2	23.5	0.69
F04	02 Nov 2015	12	20.30	88.65	7.5	33.43	8.2	23.5	0.71
F04	02 Nov 2015	13	20.11	88.54	7.6	33.43	8.2	23.5	0.75
F04	02 Nov 2015	14	20.00	88.40	7.6	33.42	8.2	23.6	0.74
F04	02 Nov 2015	15	19.79	88.27	7.5	33.40	8.2	23.6	0.82
F04	02 Nov 2015	16	19.27	88.12	7.6	33.35	8.2	23.7	0.87
F04	02 Nov 2015	17	18.72	87.41	7.7	33.34	8.2	23.8	1.03
F04	02 Nov 2015	18	18.39	85.28	7.8	33.38	8.2	23.9	1.17
F04	02 Nov 2015	19	18.37	85.14	7.8	33.38	8.2	23.9	1.37
F04	02 Nov 2015	20	18.34	84.97	7.7	33.38	8.2	23.9	1.46
F04	02 Nov 2015	21	18.28	84.74	7.5	33.38	8.2	24.0	1.51
F04	02 Nov 2015	22	18.25	84.41	7.5	33.38	8.2	24.0	1.55
F04	02 Nov 2015	23	18.21	84.55	7.6	33.39	8.2	24.0	1.55
F04	02 Nov 2015	24	18.18	84.65	7.6	33.39	8.2	24.0	1.59
F04	02 Nov 2015	25	18.14	84.73	7.5	33.39	8.2	24.0	1.58
F04	02 Nov 2015	26	18.06	84.69	7.2	33.38	8.2	24.0	1.51
F04	02 Nov 2015	27	17.96	83.35	7.3	33.39	8.2	24.1	1.49
F04	02 Nov 2015	28	17.95	83.68	7.4	33.40	8.2	24.1	1.51
F04	02 Nov 2015	29	17.94	83.53	7.3	33.40	8.2	24.1	1.51
F04	02 Nov 2015	30	17.92	83.18	7.4	33.40	8.2	24.1	1.55
F04	02 Nov 2015	31	17.90	83.57	7.5	33.40	8.2	24.1	1.57
F04	02 Nov 2015	32	17.89	83.79	7.4	33.39	8.2	24.1	1.61
F04	02 Nov 2015	33	17.87	83.99	7.5	33.39	8.2	24.1	1.69
F04	02 Nov 2015	34	17.85	84.21	7.5	33.39	8.2	24.1	1.74
F04	02 Nov 2015	35	17.82	84.62	7.5	33.39	8.2	24.1	1.77
F04	02 Nov 2015	36	17.82	85.16	7.5	33.39	8.2	24.1	1.79
F04	02 Nov 2015	37	17.81	85.27	7.5	33.39	8.2	24.1	1.79
F04	02 Nov 2015	38	17.81	85.36	7.5	33.39	8.2	24.1	1.79
F04	02 Nov 2015	39	17.80	85.34	7.5	33.39	8.2	24.1	1.80
F04	02 Nov 2015	40	17.77	85.47	7.5	33.39	8.2	24.1	1.81
F04	02 Nov 2015	41	17.74	85.51	7.5	33.39	8.2	24.1	1.79
F04	02 Nov 2015	42	17.71	85.61	7.4	33.39	8.2	24.1	1.81
F04	02 Nov 2015	43	17.67	85.75	7.4	33.40	8.2	24.1	1.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F04	02 Nov 2015	44	17.62	85.94	7.4	33.40	8.2	24.1	1.75
F04	02 Nov 2015	45	17.56	86.10	7.3	33.40	8.2	24.1	1.69
F04	02 Nov 2015	46	17.48	86.26	7.3	33.40	8.2	24.2	1.62
F04	02 Nov 2015	47	17.39	86.15	7.3	33.40	8.2	24.2	1.54
F04	02 Nov 2015	48	17.33	85.71	7.2	33.40	8.1	24.2	1.52
F04	02 Nov 2015	49	17.28	85.25	7.2	33.39	8.1	24.2	1.48
F04	02 Nov 2015	50	17.24	85.45	7.2	33.40	8.1	24.2	1.47
F04	02 Nov 2015	51	17.30	85.47	7.2	33.39	8.1	24.2	1.49
F04	02 Nov 2015	52	17.22	85.24	7.2	33.40	8.1	24.2	1.46
F04	02 Nov 2015	53	17.18	85.04	7.2	33.40	8.1	24.2	1.43
F04	02 Nov 2015	54	17.07	84.89	7.1	33.39	8.1	24.3	1.36
F04	02 Nov 2015	55	16.91	83.87	7.0	33.39	8.1	24.3	1.25
F04	02 Nov 2015	56	16.57	82.32	6.9	33.40	8.1	24.4	1.14
F04	02 Nov 2015	57	16.43	81.38	6.8	33.41	8.1	24.4	1.06
F04	02 Nov 2015	58	16.36	79.72	6.8	33.41	8.1	24.4	1.02
F04	02 Nov 2015	59	16.33	79.42	6.8	33.42	8.1	24.5	1.04
F04	02 Nov 2015	60	16.30	79.27	6.7	33.41	8.1	24.5	2.41
F05	02 Nov 2015	1	20.83	89.33	7.4	33.48	8.2	23.4	0.37
F05	02 Nov 2015	2	20.82	89.47	7.4	33.48	8.2	23.4	0.39
F05	02 Nov 2015	3	20.80	89.47	7.4	33.48	8.2	23.4	0.42
F05	02 Nov 2015	4	20.66	89.36	7.4	33.46	8.2	23.4	0.55
F05	02 Nov 2015	5	20.55	88.74	7.4	33.46	8.2	23.4	0.62
F05	02 Nov 2015	6	20.55	88.43	7.4	33.46	8.2	23.4	0.70
F05	02 Nov 2015	7	20.50	88.38	7.5	33.45	8.2	23.5	0.76
F05	02 Nov 2015	8	20.47	88.21	7.5	33.45	8.2	23.5	0.78
F05	02 Nov 2015	9	20.43	88.13	7.5	33.45	8.2	23.5	0.88
F05	02 Nov 2015	10	20.37	88.05	7.5	33.44	8.2	23.5	0.91
F05	02 Nov 2015	11	20.25	87.87	7.5	33.43	8.2	23.5	0.97
F05	02 Nov 2015	12	20.00	87.65	7.5	33.41	8.2	23.5	1.00
F05	02 Nov 2015	13	19.81	87.41	7.6	33.41	8.2	23.6	1.07
F05	02 Nov 2015	14	19.74	87.35	7.6	33.41	8.2	23.6	1.09
F05	02 Nov 2015	15	19.71	87.32	7.6	33.41	8.2	23.6	1.08
F05	02 Nov 2015	16	19.68	87.25	7.7	33.41	8.2	23.6	1.11
F05	02 Nov 2015	17	19.67	87.24	7.6	33.41	8.2	23.6	1.13
F05	02 Nov 2015	18	19.66	87.23	7.6	33.41	8.2	23.6	1.18
F05	02 Nov 2015	19	19.63	87.27	7.6	33.40	8.2	23.6	1.21
F05	02 Nov 2015	20	19.45	87.39	7.7	33.39	8.2	23.7	1.12
F05	02 Nov 2015	21	19.36	87.37	7.7	33.40	8.2	23.7	1.14
F05	02 Nov 2015	22	19.32	87.42	7.6	33.40	8.2	23.7	1.13
F05	02 Nov 2015	23	19.29	87.43	7.6	33.40	8.2	23.7	1.13
F05	02 Nov 2015	24	19.19	87.25	7.6	33.40	8.2	23.8	1.19
F05	02 Nov 2015	25	19.14	87.08	7.6	33.40	8.2	23.8	1.21
F05	02 Nov 2015	26	19.07	86.87	7.6	33.40	8.2	23.8	1.22
F05	02 Nov 2015	27	19.02	86.95	7.6	33.40	8.2	23.8	1.20
F05	02 Nov 2015	28	19.00	87.07	7.6	33.40	8.2	23.8	1.15
F05	02 Nov 2015	29	18.95	87.08	7.7	33.40	8.2	23.8	1.13
F05	02 Nov 2015	30	18.87	87.28	7.7	33.39	8.2	23.8	1.13
F05	02 Nov 2015	31	18.80	87.42	7.7	33.40	8.2	23.8	1.13
F05	02 Nov 2015	32	18.78	87.42	7.6	33.40	8.2	23.9	1.24
F05	02 Nov 2015	33	18.76	86.37	7.5	33.40	8.2	23.9	1.35
F05	02 Nov 2015	34	18.75	84.87	7.4	33.40	8.2	23.9	1.37
F05	02 Nov 2015	35	18.71	85.46	7.5	33.40	8.2	23.9	1.34
F05	02 Nov 2015	36	18.66	85.72	7.5	33.40	8.2	23.9	1.31
F05	02 Nov 2015	37	18.62	85.39	7.5	33.40	8.2	23.9	1.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F05	02 Nov 2015	38	18.57	84.90	7.5	33.40	8.2	23.9	1.36
F05	02 Nov 2015	39	18.47	84.89	7.6	33.39	8.2	23.9	1.32
F05	02 Nov 2015	40	18.37	85.08	7.7	33.39	8.2	23.9	1.32
F05	02 Nov 2015	41	18.24	85.56	7.7	33.39	8.2	24.0	1.40
F05	02 Nov 2015	42	18.21	85.85	7.7	33.39	8.2	24.0	1.39
F05	02 Nov 2015	43	18.19	85.87	7.7	33.39	8.2	24.0	1.38
F05	02 Nov 2015	44	18.19	85.99	7.7	33.39	8.2	24.0	1.43
F05	02 Nov 2015	45	18.16	85.93	7.7	33.39	8.2	24.0	1.49
F05	02 Nov 2015	46	18.14	85.90	7.7	33.39	8.2	24.0	1.53
F05	02 Nov 2015	47	18.12	85.90	7.7	33.39	8.2	24.0	1.55
F05	02 Nov 2015	48	18.06	85.93	7.6	33.38	8.2	24.0	1.68
F05	02 Nov 2015	49	17.95	85.77	7.6	33.39	8.2	24.1	1.78
F05	02 Nov 2015	50	17.93	85.69	7.6	33.39	8.2	24.1	1.82
F05	02 Nov 2015	51	17.91	85.76	7.6	33.39	8.2	24.1	1.81
F05	02 Nov 2015	52	17.87	86.02	7.6	33.39	8.2	24.1	1.83
F05	02 Nov 2015	53	17.87	86.05	7.4	33.39	8.2	24.1	1.84
F05	02 Nov 2015	54	17.87	86.10	7.5	33.39	8.2	24.1	1.84
F05	02 Nov 2015	55	17.86	86.15	7.6	33.39	8.2	24.1	1.77
F05	02 Nov 2015	56	17.81	86.28	7.5	33.39	8.2	24.1	1.70
F05	02 Nov 2015	57	17.71	86.31	7.4	33.39	8.2	24.1	1.58
F05	02 Nov 2015	58	17.43	85.65	7.3	33.39	8.2	24.2	1.51
F05	02 Nov 2015	59	17.25	85.34	7.1	33.37	8.1	24.2	1.34
F05	02 Nov 2015	60	16.42	84.80	6.8	33.39	8.1	24.4	1.20
F06	02 Nov 2015	1	20.60	87.86	7.4	33.47	8.2	23.4	0.61
F06	02 Nov 2015	2	20.60	88.05	7.4	33.47	8.2	23.4	0.63
F06	02 Nov 2015	3	20.62	88.36	7.5	33.47	8.2	23.4	0.65
F06	02 Nov 2015	4	20.61	88.43	7.4	33.47	8.2	23.4	0.68
F06	02 Nov 2015	5	20.57	88.41	7.4	33.46	8.2	23.4	0.76
F06	02 Nov 2015	6	20.55	88.35	7.4	33.47	8.2	23.4	0.81
F06	02 Nov 2015	7	20.54	88.31	7.5	33.46	8.2	23.4	0.83
F06	02 Nov 2015	8	20.52	88.29	7.4	33.46	8.2	23.5	0.85
F06	02 Nov 2015	9	20.48	88.30	7.5	33.46	8.2	23.5	0.92
F06	02 Nov 2015	10	20.48	88.23	7.5	33.46	8.2	23.5	0.94
F06	02 Nov 2015	11	20.49	88.30	7.4	33.46	8.2	23.5	0.95
F06	02 Nov 2015	12	20.48	88.31	7.4	33.46	8.2	23.5	0.95
F06	02 Nov 2015	13	20.46	88.17	7.5	33.46	8.2	23.5	0.98
F06	02 Nov 2015	14	20.44	88.29	7.5	33.46	8.2	23.5	1.03
F06	02 Nov 2015	15	20.45	88.17	7.5	33.46	8.2	23.5	1.07
F06	02 Nov 2015	16	20.43	88.16	7.5	33.46	8.2	23.5	1.14
F06	02 Nov 2015	17	20.43	88.04	7.5	33.46	8.2	23.5	1.07
F06	02 Nov 2015	18	20.40	88.17	7.5	33.45	8.2	23.5	1.12
F06	02 Nov 2015	19	20.38	88.20	7.5	33.46	8.2	23.5	1.05
F06	02 Nov 2015	20	20.36	88.34	7.5	33.46	8.2	23.5	1.02
F06	02 Nov 2015	21	20.33	88.41	7.5	33.46	8.2	23.5	1.02
F06	02 Nov 2015	22	20.28	88.52	7.5	33.46	8.2	23.5	1.00
F06	02 Nov 2015	23	20.22	88.51	7.5	33.45	8.2	23.5	1.08
F06	02 Nov 2015	24	20.00	88.47	7.5	33.44	8.2	23.6	1.14
F06	02 Nov 2015	25	19.85	88.25	7.5	33.44	8.2	23.6	1.19
F06	02 Nov 2015	26	19.78	88.13	7.6	33.42	8.2	23.6	1.23
F06	02 Nov 2015	27	19.65	88.11	7.6	33.42	8.2	23.6	1.20
F06	02 Nov 2015	28	19.54	87.97	7.6	33.41	8.2	23.7	1.19
F06	02 Nov 2015	29	19.42	87.67	7.6	33.40	8.2	23.7	1.28
F06	02 Nov 2015	30	19.36	87.60	7.7	33.40	8.2	23.7	1.35
F06	02 Nov 2015	31	19.30	87.38	7.6	33.40	8.2	23.7	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F06	02 Nov 2015	32	19.29	87.16	7.6	33.40	8.2	23.7	1.37
F06	02 Nov 2015	33	19.21	86.83	7.6	33.39	8.2	23.7	1.42
F06	02 Nov 2015	34	19.14	86.23	7.5	33.41	8.2	23.8	1.41
F06	02 Nov 2015	35	19.13	86.04	7.5	33.41	8.2	23.8	1.43
F06	02 Nov 2015	36	19.11	86.16	7.5	33.41	8.2	23.8	1.36
F06	02 Nov 2015	37	19.06	86.22	7.4	33.41	8.2	23.8	1.47
F06	02 Nov 2015	38	19.03	85.52	7.5	33.41	8.2	23.8	1.42
F06	02 Nov 2015	39	18.96	85.37	7.4	33.39	8.2	23.8	1.40
F06	02 Nov 2015	40	18.73	85.18	7.4	33.39	8.2	23.9	1.42
F06	02 Nov 2015	41	18.55	84.80	7.5	33.39	8.2	23.9	1.40
F06	02 Nov 2015	42	18.35	85.00	7.6	33.38	8.2	23.9	1.38
F06	02 Nov 2015	43	18.27	86.27	7.6	33.39	8.2	24.0	1.41
F06	02 Nov 2015	44	18.23	86.05	7.5	33.39	8.2	24.0	1.45
F06	02 Nov 2015	45	18.20	85.97	7.6	33.39	8.2	24.0	1.46
F06	02 Nov 2015	46	18.17	86.09	7.6	33.39	8.2	24.0	1.48
F06	02 Nov 2015	47	18.15	86.21	7.5	33.39	8.2	24.0	1.46
F06	02 Nov 2015	48	18.12	86.26	7.5	33.39	8.2	24.0	1.46
F06	02 Nov 2015	49	18.10	86.27	7.5	33.40	8.2	24.0	1.47
F06	02 Nov 2015	50	18.07	86.29	7.6	33.40	8.2	24.0	1.44
F06	02 Nov 2015	51	18.05	86.45	7.5	33.40	8.2	24.0	1.39
F06	02 Nov 2015	52	18.04	86.43	7.5	33.40	8.2	24.0	1.42
F06	02 Nov 2015	53	18.01	86.52	7.5	33.39	8.2	24.0	1.41
F06	02 Nov 2015	54	17.88	86.40	7.4	33.38	8.2	24.1	1.40
F06	02 Nov 2015	55	17.70	85.28	7.3	33.39	8.2	24.1	1.38
F06	02 Nov 2015	56	17.57	85.03	7.3	33.39	8.2	24.1	1.34
F06	02 Nov 2015	57	17.48	84.47	7.3	33.39	8.2	24.2	1.32
F06	02 Nov 2015	58	17.26	83.83	7.2	33.38	8.1	24.2	1.31
F06	02 Nov 2015	59	17.06	82.83	7.2	33.38	8.1	24.3	1.29
F06	02 Nov 2015	60	16.82	81.96	7.1	33.38	8.1	24.3	1.27
F07	02 Nov 2015	1	20.82	88.46	7.4	33.48	8.2	23.4	0.57
F07	02 Nov 2015	2	20.79	88.87	7.4	33.48	8.2	23.4	0.57
F07	02 Nov 2015	3	20.69	88.90	7.4	33.47	8.2	23.4	0.57
F07	02 Nov 2015	4	20.61	89.01	7.4	33.47	8.2	23.4	0.65
F07	02 Nov 2015	5	20.59	88.86	7.4	33.47	8.2	23.4	0.68
F07	02 Nov 2015	6	20.58	88.85	7.4	33.47	8.2	23.4	0.75
F07	02 Nov 2015	7	20.58	88.80	7.5	33.47	8.2	23.4	0.81
F07	02 Nov 2015	8	20.58	88.82	7.4	33.48	8.2	23.4	0.78
F07	02 Nov 2015	9	20.58	88.83	7.4	33.48	8.2	23.4	0.72
F07	02 Nov 2015	10	20.58	88.85	7.4	33.48	8.2	23.4	0.72
F07	02 Nov 2015	11	20.58	88.77	7.4	33.48	8.2	23.4	0.69
F07	02 Nov 2015	12	20.58	88.90	7.5	33.48	8.2	23.4	0.72
F07	02 Nov 2015	13	20.58	88.90	7.4	33.48	8.2	23.4	0.72
F07	02 Nov 2015	14	20.58	88.96	7.4	33.48	8.2	23.4	0.72
F07	02 Nov 2015	15	20.58	88.92	7.4	33.48	8.2	23.5	0.71
F07	02 Nov 2015	16	20.58	88.94	7.4	33.48	8.2	23.5	0.72
F07	02 Nov 2015	17	20.58	88.94	7.4	33.48	8.2	23.5	0.71
F07	02 Nov 2015	18	20.57	88.97	7.4	33.48	8.2	23.5	0.70
F07	02 Nov 2015	19	20.56	88.97	7.4	33.48	8.2	23.5	0.71
F07	02 Nov 2015	20	20.55	88.97	7.4	33.48	8.2	23.5	0.72
F07	02 Nov 2015	21	20.54	88.92	7.4	33.48	8.2	23.5	0.74
F07	02 Nov 2015	22	20.51	88.99	7.4	33.48	8.2	23.5	0.76
F07	02 Nov 2015	23	20.50	89.02	7.4	33.48	8.2	23.5	0.80
F07	02 Nov 2015	24	20.48	89.00	7.4	33.48	8.2	23.5	0.79
F07	02 Nov 2015	25	20.44	89.00	7.4	33.48	8.2	23.5	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F07	02 Nov 2015	26	20.33	88.97	7.4	33.46	8.2	23.5	0.88
F07	02 Nov 2015	27	19.86	88.83	7.5	33.42	8.2	23.6	1.04
F07	02 Nov 2015	28	19.57	88.35	7.6	33.43	8.2	23.7	1.17
F07	02 Nov 2015	29	19.51	88.17	7.6	33.43	8.2	23.7	1.24
F07	02 Nov 2015	30	19.44	88.08	7.6	33.42	8.2	23.7	1.27
F07	02 Nov 2015	31	19.37	87.79	7.6	33.42	8.2	23.7	1.28
F07	02 Nov 2015	32	19.33	87.65	7.6	33.41	8.2	23.7	1.32
F07	02 Nov 2015	33	19.17	87.44	7.6	33.39	8.2	23.7	1.38
F07	02 Nov 2015	34	19.01	86.84	7.6	33.40	8.2	23.8	1.38
F07	02 Nov 2015	35	18.95	86.55	7.6	33.40	8.2	23.8	1.37
F07	02 Nov 2015	36	18.91	86.63	7.5	33.40	8.2	23.8	1.38
F07	02 Nov 2015	37	18.49	86.54	7.5	33.38	8.2	23.9	1.37
F07	02 Nov 2015	38	18.31	86.75	7.6	33.40	8.2	24.0	1.40
F07	02 Nov 2015	39	18.29	86.71	7.5	33.40	8.2	24.0	1.39
F07	02 Nov 2015	40	18.26	86.72	7.5	33.39	8.2	24.0	1.39
F07	02 Nov 2015	41	18.21	86.60	7.5	33.40	8.2	24.0	1.38
F07	02 Nov 2015	42	18.19	86.26	7.5	33.40	8.2	24.0	1.36
F07	02 Nov 2015	43	18.17	86.13	7.5	33.40	8.2	24.0	1.34
F07	02 Nov 2015	44	18.15	85.88	7.5	33.40	8.2	24.0	1.37
F07	02 Nov 2015	45	18.15	85.84	7.4	33.40	8.2	24.0	1.35
F07	02 Nov 2015	46	18.15	85.82	7.5	33.40	8.2	24.0	1.37
F07	02 Nov 2015	47	18.14	85.74	7.5	33.41	8.2	24.0	1.36
F07	02 Nov 2015	48	18.14	85.77	7.5	33.41	8.2	24.0	1.40
F07	02 Nov 2015	49	18.13	85.71	7.5	33.41	8.2	24.0	1.48
F07	02 Nov 2015	50	18.10	85.54	7.4	33.40	8.2	24.0	1.43
F07	02 Nov 2015	51	18.09	85.51	7.4	33.41	8.2	24.0	1.35
F07	02 Nov 2015	52	18.09	85.59	7.4	33.40	8.2	24.0	1.34
F07	02 Nov 2015	53	18.07	85.46	7.5	33.40	8.2	24.0	1.33
F07	02 Nov 2015	54	18.05	85.51	7.5	33.40	8.2	24.0	1.36
F07	02 Nov 2015	55	18.03	85.43	7.4	33.40	8.2	24.0	1.35
F07	02 Nov 2015	56	18.02	85.49	7.3	33.40	8.1	24.0	1.34
F07	02 Nov 2015	57	17.92	85.36	7.3	33.39	8.1	24.1	1.35
F07	02 Nov 2015	58	17.46	84.96	7.3	33.36	8.1	24.1	1.38
F07	02 Nov 2015	59	17.09	84.70	7.3	33.38	8.1	24.3	1.39
F07	02 Nov 2015	60	16.99	84.54	7.3	33.38	8.1	24.3	1.45
F07	02 Nov 2015	61	16.83	84.31	7.3	33.37	8.1	24.3	1.39
F07	02 Nov 2015	62	16.65	84.48	7.3	33.38	8.1	24.4	1.35
F07	02 Nov 2015	63	16.59	84.37	7.2	33.38	8.1	24.4	1.34
F08	02 Nov 2015	1	20.71	89.54	7.4	33.49	8.2	23.4	0.35
F08	02 Nov 2015	2	20.69	89.51	7.3	33.49	8.2	23.4	0.37
F08	02 Nov 2015	3	20.66	89.72	7.4	33.49	8.2	23.4	0.41
F08	02 Nov 2015	4	20.62	89.68	7.4	33.49	8.2	23.4	0.43
F08	02 Nov 2015	5	20.62	89.67	7.4	33.49	8.2	23.4	0.46
F08	02 Nov 2015	6	20.62	89.63	7.4	33.49	8.2	23.4	0.44
F08	02 Nov 2015	7	20.61	89.65	7.4	33.49	8.2	23.4	0.46
F08	02 Nov 2015	8	20.60	89.64	7.4	33.49	8.2	23.4	0.48
F08	02 Nov 2015	9	20.59	89.56	7.4	33.49	8.2	23.5	0.50
F08	02 Nov 2015	10	20.58	89.54	7.4	33.48	8.2	23.5	0.50
F08	02 Nov 2015	11	20.56	89.44	7.5	33.48	8.2	23.5	0.56
F08	02 Nov 2015	12	20.53	89.30	7.4	33.48	8.2	23.5	0.62
F08	02 Nov 2015	13	20.52	89.27	7.4	33.48	8.2	23.5	0.69
F08	02 Nov 2015	14	20.50	89.09	7.4	33.48	8.2	23.5	0.71
F08	02 Nov 2015	15	20.49	89.03	7.5	33.48	8.2	23.5	0.74
F08	02 Nov 2015	16	20.47	89.09	7.5	33.48	8.2	23.5	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F08	02 Nov 2015	17	20.45	89.09	7.5	33.47	8.2	23.5	0.81
F08	02 Nov 2015	18	20.44	89.02	7.5	33.47	8.2	23.5	0.81
F08	02 Nov 2015	19	20.43	88.99	7.5	33.47	8.2	23.5	0.81
F08	02 Nov 2015	20	20.41	88.97	7.5	33.47	8.2	23.5	0.88
F08	02 Nov 2015	21	20.39	88.99	7.4	33.47	8.2	23.5	0.87
F08	02 Nov 2015	22	20.37	89.03	7.4	33.47	8.2	23.5	0.85
F08	02 Nov 2015	23	20.32	89.08	7.4	33.47	8.2	23.5	0.82
F08	02 Nov 2015	24	20.13	89.28	7.5	33.45	8.2	23.5	0.88
F08	02 Nov 2015	25	19.94	89.17	7.6	33.44	8.2	23.6	0.94
F08	02 Nov 2015	26	19.76	88.92	7.6	33.42	8.2	23.6	1.04
F08	02 Nov 2015	27	19.61	88.73	7.6	33.43	8.2	23.7	1.08
F08	02 Nov 2015	28	19.51	88.63	7.5	33.41	8.2	23.7	1.18
F08	02 Nov 2015	29	19.01	88.17	7.6	33.38	8.2	23.8	1.31
F08	02 Nov 2015	30	18.72	87.31	7.6	33.40	8.2	23.9	1.40
F08	02 Nov 2015	31	18.62	86.87	7.6	33.40	8.2	23.9	1.45
F08	02 Nov 2015	32	18.60	86.62	7.5	33.40	8.2	23.9	1.42
F08	02 Nov 2015	33	18.52	86.24	7.5	33.40	8.2	23.9	1.42
F08	02 Nov 2015	34	18.48	85.95	7.5	33.41	8.2	23.9	1.39
F08	02 Nov 2015	35	18.47	85.80	7.5	33.41	8.2	23.9	1.39
F08	02 Nov 2015	36	18.47	85.72	7.5	33.41	8.2	23.9	1.38
F08	02 Nov 2015	37	18.46	85.69	7.5	33.41	8.2	23.9	1.36
F08	02 Nov 2015	38	18.46	85.76	7.5	33.41	8.2	23.9	1.36
F08	02 Nov 2015	39	18.45	85.77	7.5	33.41	8.2	23.9	1.35
F08	02 Nov 2015	40	18.45	85.52	7.5	33.41	8.2	23.9	1.34
F08	02 Nov 2015	41	18.43	85.52	7.5	33.41	8.2	23.9	1.36
F08	02 Nov 2015	42	18.39	85.60	7.5	33.41	8.2	24.0	1.37
F08	02 Nov 2015	43	18.39	85.71	7.5	33.41	8.2	24.0	1.36
F08	02 Nov 2015	44	18.38	85.63	7.5	33.41	8.2	24.0	1.36
F08	02 Nov 2015	45	18.35	85.66	7.5	33.41	8.2	24.0	1.37
F08	02 Nov 2015	46	18.29	85.83	7.5	33.41	8.2	24.0	1.38
F08	02 Nov 2015	47	18.25	85.99	7.5	33.41	8.2	24.0	1.40
F08	02 Nov 2015	48	18.24	85.98	7.5	33.41	8.2	24.0	1.49
F08	02 Nov 2015	49	18.23	85.62	7.4	33.41	8.2	24.0	1.38
F08	02 Nov 2015	50	18.22	85.41	7.5	33.41	8.2	24.0	1.37
F08	02 Nov 2015	51	18.21	85.52	7.5	33.41	8.2	24.0	1.35
F08	02 Nov 2015	52	18.20	85.10	7.4	33.41	8.2	24.0	1.37
F08	02 Nov 2015	53	18.19	84.65	7.5	33.41	8.2	24.0	1.36
F08	02 Nov 2015	54	18.14	84.01	7.4	33.40	8.2	24.0	1.39
F08	02 Nov 2015	55	17.88	83.12	7.4	33.37	8.2	24.1	1.40
F08	02 Nov 2015	56	17.60	81.70	7.4	33.38	8.2	24.1	1.43
F08	02 Nov 2015	57	17.40	80.45	7.4	33.38	8.2	24.2	1.42
F08	02 Nov 2015	58	17.32	80.06	7.4	33.38	8.2	24.2	1.39
F08	02 Nov 2015	59	17.06	79.89	7.2	33.36	8.1	24.2	1.35
F08	02 Nov 2015	60	16.70	81.60	7.2	33.36	8.1	24.3	1.29
F08	02 Nov 2015	61	16.54	83.35	7.2	33.38	8.1	24.4	1.34
F09	02 Nov 2015	1	20.72	83.71	7.2	33.48	8.2	23.4	0.87
F09	02 Nov 2015	2	20.64	84.20	7.3	33.48	8.2	23.4	0.88
F09	02 Nov 2015	3	20.60	84.73	7.3	33.48	8.2	23.4	0.87
F09	02 Nov 2015	4	20.57	85.33	7.3	33.48	8.2	23.5	0.86
F09	02 Nov 2015	5	20.53	85.84	7.4	33.48	8.2	23.5	0.89
F09	02 Nov 2015	6	20.51	86.11	7.4	33.48	8.2	23.5	0.94
F09	02 Nov 2015	7	20.50	86.21	7.3	33.48	8.2	23.5	0.94
F09	02 Nov 2015	8	20.49	86.15	7.4	33.48	8.2	23.5	0.97
F09	02 Nov 2015	9	20.48	86.14	7.3	33.48	8.2	23.5	0.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F09	02 Nov 2015	10	20.47	86.06	7.4	33.48	8.2	23.5	1.03
F09	02 Nov 2015	11	20.46	86.00	7.3	33.48	8.2	23.5	1.09
F09	02 Nov 2015	12	20.44	85.70	7.4	33.48	8.2	23.5	1.07
F09	02 Nov 2015	13	20.42	86.22	7.4	33.48	8.2	23.5	1.09
F09	02 Nov 2015	14	20.38	86.90	7.4	33.48	8.2	23.5	1.00
F09	02 Nov 2015	15	20.38	87.13	7.4	33.48	8.2	23.5	0.96
F09	02 Nov 2015	16	20.36	87.09	7.4	33.47	8.2	23.5	0.90
F09	02 Nov 2015	17	20.34	87.91	7.4	33.47	8.2	23.5	0.86
F09	02 Nov 2015	18	20.33	88.21	7.4	33.47	8.2	23.5	0.87
F09	02 Nov 2015	19	20.33	88.24	7.4	33.47	8.2	23.5	0.85
F09	02 Nov 2015	20	20.29	88.55	7.4	33.47	8.2	23.5	0.83
F09	02 Nov 2015	21	20.24	88.80	7.4	33.47	8.2	23.5	0.83
F09	02 Nov 2015	22	20.09	88.94	7.5	33.46	8.2	23.6	0.86
F09	02 Nov 2015	23	19.97	88.85	7.5	33.45	8.2	23.6	0.86
F09	02 Nov 2015	24	19.90	88.98	7.5	33.45	8.2	23.6	0.84
F09	02 Nov 2015	25	19.89	89.12	7.5	33.45	8.2	23.6	0.83
F09	02 Nov 2015	26	19.82	89.21	7.5	33.44	8.2	23.6	0.91
F09	02 Nov 2015	27	19.67	89.06	7.5	33.43	8.2	23.7	1.06
F09	02 Nov 2015	28	19.60	88.55	7.5	33.43	8.2	23.7	1.06
F09	02 Nov 2015	29	19.56	88.24	7.5	33.43	8.2	23.7	1.07
F09	02 Nov 2015	30	19.46	88.04	7.5	33.42	8.2	23.7	1.11
F09	02 Nov 2015	31	19.16	87.84	7.6	33.41	8.2	23.8	1.18
F09	02 Nov 2015	32	18.97	87.68	7.5	33.39	8.2	23.8	1.27
F09	02 Nov 2015	33	18.63	87.00	7.6	33.40	8.2	23.9	1.36
F09	02 Nov 2015	34	18.56	86.40	7.5	33.40	8.2	23.9	1.43
F09	02 Nov 2015	35	18.54	86.05	7.5	33.40	8.2	23.9	1.47
F09	02 Nov 2015	36	18.50	85.93	7.5	33.41	8.2	23.9	1.48
F09	02 Nov 2015	37	18.42	85.69	7.5	33.40	8.2	23.9	1.54
F09	02 Nov 2015	38	18.38	85.68	7.5	33.41	8.2	24.0	1.49
F09	02 Nov 2015	39	18.37	85.81	7.5	33.41	8.2	24.0	1.46
F09	02 Nov 2015	40	18.37	85.88	7.5	33.41	8.2	24.0	1.44
F09	02 Nov 2015	41	18.36	85.90	7.5	33.41	8.2	24.0	1.43
F09	02 Nov 2015	42	18.36	85.98	7.5	33.41	8.2	24.0	1.43
F09	02 Nov 2015	43	18.35	86.07	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	44	18.35	86.06	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	45	18.35	86.06	7.5	33.41	8.2	24.0	1.41
F09	02 Nov 2015	46	18.36	86.00	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	47	18.36	86.09	7.5	33.41	8.2	24.0	1.43
F09	02 Nov 2015	48	18.35	86.09	7.5	33.41	8.2	24.0	1.41
F09	02 Nov 2015	49	18.35	85.78	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	50	18.35	85.80	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	51	18.33	86.03	7.5	33.41	8.2	24.0	1.40
F09	02 Nov 2015	52	18.31	85.96	7.5	33.41	8.2	24.0	1.42
F09	02 Nov 2015	53	17.91	86.01	7.4	33.36	8.2	24.0	1.44
F09	02 Nov 2015	54	17.44	84.55	7.4	33.38	8.2	24.2	1.48
F09	02 Nov 2015	55	17.28	83.90	7.4	33.38	8.2	24.2	1.47
F09	02 Nov 2015	56	17.03	82.30	7.4	33.38	8.1	24.3	1.47
F09	02 Nov 2015	57	16.86	82.74	7.2	33.36	8.1	24.3	1.35
F09	02 Nov 2015	58	16.50	83.57	7.2	33.38	8.1	24.4	1.26
F09	02 Nov 2015	59	16.38	83.60	7.1	33.38	8.1	24.4	1.17
F09	02 Nov 2015	60	16.24	83.78	7.1	33.39	8.1	24.5	1.14
F09	02 Nov 2015	61	16.25	82.74	7.0	33.39	8.1	24.5	1.13
F10	02 Nov 2015	1	20.85	87.18	7.3	33.50	8.2	23.4	0.46
F10	02 Nov 2015	2	20.78	88.91	7.3	33.50	8.2	23.4	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F10	02 Nov 2015	3	20.76	89.20	7.3	33.50	8.2	23.4	0.48
F10	02 Nov 2015	4	20.75	89.30	7.3	33.50	8.2	23.4	0.48
F10	02 Nov 2015	5	20.74	89.46	7.4	33.49	8.2	23.4	0.47
F10	02 Nov 2015	6	20.73	89.48	7.3	33.50	8.2	23.4	0.47
F10	02 Nov 2015	7	20.73	89.56	7.3	33.49	8.2	23.4	0.47
F10	02 Nov 2015	8	20.72	89.51	7.4	33.49	8.2	23.4	0.47
F10	02 Nov 2015	9	20.71	89.61	7.4	33.49	8.2	23.4	0.47
F10	02 Nov 2015	10	20.69	89.55	7.4	33.49	8.2	23.4	0.49
F10	02 Nov 2015	11	20.68	89.66	7.4	33.49	8.2	23.4	0.49
F10	02 Nov 2015	12	20.67	89.67	7.4	33.49	8.2	23.4	0.50
F10	02 Nov 2015	13	20.64	89.70	7.4	33.49	8.2	23.4	0.53
F10	02 Nov 2015	14	20.43	89.49	7.4	33.47	8.2	23.5	0.59
F10	02 Nov 2015	15	20.29	89.12	7.5	33.47	8.2	23.5	0.69
F10	02 Nov 2015	16	20.13	88.94	7.5	33.45	8.2	23.5	0.75
F10	02 Nov 2015	17	19.93	88.68	7.6	33.45	8.2	23.6	0.77
F10	02 Nov 2015	18	19.83	88.45	7.6	33.45	8.2	23.6	0.81
F10	02 Nov 2015	19	19.70	88.38	7.6	33.43	8.2	23.6	0.87
F10	02 Nov 2015	20	19.51	88.06	7.6	33.43	8.2	23.7	0.97
F10	02 Nov 2015	21	19.27	87.84	7.6	33.42	8.2	23.7	1.08
F10	02 Nov 2015	22	19.13	87.73	7.7	33.42	8.2	23.8	1.16
F10	02 Nov 2015	23	19.11	87.67	7.7	33.42	8.2	23.8	1.20
F10	02 Nov 2015	24	19.03	87.56	7.7	33.41	8.2	23.8	1.22
F10	02 Nov 2015	25	18.98	87.44	7.7	33.41	8.2	23.8	1.25
F10	02 Nov 2015	26	18.94	87.30	7.7	33.41	8.2	23.8	1.30
F10	02 Nov 2015	27	18.87	87.11	7.6	33.41	8.2	23.8	1.39
F10	02 Nov 2015	28	18.81	86.82	7.6	33.41	8.2	23.9	1.45
F10	02 Nov 2015	29	18.79	86.46	7.6	33.41	8.2	23.9	1.51
F10	02 Nov 2015	30	18.75	86.18	7.6	33.41	8.2	23.9	1.49
F10	02 Nov 2015	31	18.72	86.31	7.6	33.40	8.2	23.9	1.56
F10	02 Nov 2015	32	18.61	86.33	7.6	33.41	8.2	23.9	1.63
F10	02 Nov 2015	33	18.60	86.23	7.6	33.41	8.2	23.9	1.65
F10	02 Nov 2015	34	18.58	86.22	7.6	33.41	8.2	23.9	1.67
F10	02 Nov 2015	35	18.53	86.17	7.6	33.41	8.2	23.9	1.72
F10	02 Nov 2015	36	18.50	85.98	7.6	33.41	8.2	23.9	1.70
F10	02 Nov 2015	37	18.29	86.05	7.6	33.39	8.2	24.0	1.64
F10	02 Nov 2015	38	18.16	86.93	7.7	33.39	8.2	24.0	1.58
F10	02 Nov 2015	39	18.13	87.67	7.7	33.40	8.2	24.0	1.56
F10	02 Nov 2015	40	18.13	88.08	7.7	33.40	8.2	24.0	1.55
F10	02 Nov 2015	41	18.13	88.07	7.7	33.40	8.2	24.0	1.57
F10	02 Nov 2015	42	18.12	88.05	7.7	33.40	8.2	24.0	1.56
F10	02 Nov 2015	43	18.13	88.02	7.7	33.40	8.2	24.0	1.56
F10	02 Nov 2015	44	18.13	88.03	7.7	33.40	8.2	24.0	1.55
F10	02 Nov 2015	45	18.13	87.94	7.7	33.40	8.2	24.0	1.57
F10	02 Nov 2015	46	18.12	88.05	7.7	33.40	8.2	24.0	1.56
F10	02 Nov 2015	47	18.12	88.06	7.7	33.40	8.2	24.0	1.55
F10	02 Nov 2015	48	18.10	88.05	7.7	33.40	8.2	24.0	1.58
F10	02 Nov 2015	49	18.09	88.08	7.7	33.39	8.2	24.0	1.61
F10	02 Nov 2015	50	18.04	87.97	7.6	33.39	8.2	24.0	1.68
F10	02 Nov 2015	51	17.86	87.71	7.6	33.38	8.2	24.1	1.65
F10	02 Nov 2015	52	17.80	87.53	7.6	33.39	8.2	24.1	1.65
F10	02 Nov 2015	53	17.71	86.88	7.5	33.38	8.2	24.1	1.65
F10	02 Nov 2015	54	17.41	86.75	7.4	33.36	8.2	24.2	1.62
F10	02 Nov 2015	55	17.10	86.89	7.5	33.38	8.1	24.2	1.61
F10	02 Nov 2015	56	17.02	87.18	7.4	33.38	8.1	24.3	1.55
F10	02 Nov 2015	57	16.90	86.94	7.3	33.38	8.1	24.3	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F10	02 Nov 2015	58	16.79	87.23	7.2	33.37	8.1	24.3	1.32
F10	02 Nov 2015	59	16.31	86.79	7.0	33.38	8.1	24.4	1.17
F10	02 Nov 2015	60	16.06	85.72	6.9	33.39	8.1	24.5	1.06
F10	02 Nov 2015	61	15.99	84.41	6.9	33.40	8.1	24.5	1.13
F11	02 Nov 2015	1	20.99	89.09	7.3	33.50	8.2	23.4	0.48
F11	02 Nov 2015	2	20.80	88.96	7.4	33.49	8.2	23.4	0.54
F11	02 Nov 2015	3	20.72	88.40	7.4	33.49	8.2	23.4	0.57
F11	02 Nov 2015	4	20.70	88.33	7.4	33.49	8.2	23.4	0.60
F11	02 Nov 2015	5	20.68	88.30	7.4	33.49	8.2	23.4	0.61
F11	02 Nov 2015	6	20.66	88.44	7.4	33.49	8.2	23.4	0.60
F11	02 Nov 2015	7	20.66	88.57	7.4	33.49	8.2	23.4	0.61
F11	02 Nov 2015	8	20.66	88.62	7.4	33.49	8.2	23.4	0.61
F11	02 Nov 2015	9	20.65	88.63	7.4	33.49	8.2	23.4	0.59
F11	02 Nov 2015	10	20.65	88.74	7.4	33.49	8.2	23.4	0.59
F11	02 Nov 2015	11	20.64	88.81	7.4	33.49	8.2	23.4	0.59
F11	02 Nov 2015	12	20.63	88.88	7.4	33.49	8.2	23.4	0.59
F11	02 Nov 2015	13	20.62	89.03	7.4	33.49	8.2	23.4	0.57
F11	02 Nov 2015	14	20.62	89.05	7.4	33.49	8.2	23.4	0.57
F11	02 Nov 2015	15	20.61	89.02	7.4	33.48	8.2	23.4	0.57
F11	02 Nov 2015	16	20.57	89.06	7.4	33.49	8.2	23.5	0.57
F11	02 Nov 2015	17	20.53	89.23	7.3	33.47	8.2	23.5	0.67
F11	02 Nov 2015	18	19.96	89.11	7.4	33.41	8.2	23.6	0.91
F11	02 Nov 2015	19	19.47	88.05	7.6	33.42	8.2	23.7	1.07
F11	02 Nov 2015	20	19.30	87.39	7.7	33.42	8.2	23.7	1.18
F11	02 Nov 2015	21	19.27	87.19	7.7	33.42	8.2	23.7	1.24
F11	02 Nov 2015	22	19.17	87.18	7.6	33.42	8.2	23.8	1.29
F11	02 Nov 2015	23	19.13	87.17	7.6	33.42	8.2	23.8	1.37
F11	02 Nov 2015	24	19.11	87.11	7.5	33.42	8.2	23.8	1.34
F11	02 Nov 2015	25	19.05	87.05	7.6	33.42	8.2	23.8	1.32
F11	02 Nov 2015	26	18.98	87.49	7.7	33.41	8.2	23.8	1.30
F11	02 Nov 2015	27	18.91	87.44	7.7	33.42	8.2	23.8	1.34
F11	02 Nov 2015	28	18.88	87.60	7.7	33.41	8.2	23.8	1.35
F11	02 Nov 2015	29	18.75	87.70	7.7	33.40	8.2	23.9	1.44
F11	02 Nov 2015	30	18.66	87.71	7.7	33.41	8.2	23.9	1.54
F11	02 Nov 2015	31	18.65	87.28	7.7	33.41	8.2	23.9	1.59
F11	02 Nov 2015	32	18.63	87.18	7.6	33.41	8.2	23.9	1.70
F11	02 Nov 2015	33	18.51	86.26	7.5	33.41	8.2	23.9	1.71
F11	02 Nov 2015	34	18.40	85.96	7.6	33.40	8.2	24.0	1.63
F11	02 Nov 2015	35	18.36	87.01	7.7	33.40	8.2	24.0	1.58
F11	02 Nov 2015	36	18.33	87.46	7.7	33.40	8.2	24.0	1.53
F11	02 Nov 2015	37	18.32	87.85	7.7	33.40	8.2	24.0	1.51
F11	02 Nov 2015	38	18.32	87.94	7.7	33.41	8.2	24.0	1.50
F11	02 Nov 2015	39	18.30	87.77	7.7	33.40	8.2	24.0	1.47
F11	02 Nov 2015	40	18.20	88.07	7.8	33.39	8.2	24.0	1.47
F11	02 Nov 2015	41	18.16	88.25	7.8	33.40	8.2	24.0	1.52
F11	02 Nov 2015	42	18.14	88.20	7.7	33.40	8.2	24.0	1.69
F11	02 Nov 2015	43	17.99	87.86	7.7	33.39	8.2	24.0	1.82
F11	02 Nov 2015	44	17.85	87.63	7.6	33.39	8.2	24.1	1.78
F11	02 Nov 2015	45	17.76	87.17	7.6	33.39	8.2	24.1	1.79
F11	02 Nov 2015	46	17.69	87.09	7.6	33.39	8.2	24.1	1.77
F11	02 Nov 2015	47	17.56	86.94	7.6	33.38	8.2	24.1	1.80
F11	02 Nov 2015	48	17.50	86.71	7.6	33.38	8.2	24.2	1.83
F11	02 Nov 2015	49	17.48	86.94	7.6	33.38	8.2	24.2	1.88
F11	02 Nov 2015	50	17.35	87.23	7.5	33.37	8.2	24.2	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F11	02 Nov 2015	51	17.15	87.82	7.6	33.37	8.2	24.2	1.81
F11	02 Nov 2015	52	17.02	87.85	7.5	33.38	8.2	24.3	1.73
F11	02 Nov 2015	53	17.00	88.17	7.4	33.38	8.1	24.3	1.59
F11	02 Nov 2015	54	16.99	87.19	7.3	33.39	8.1	24.3	1.55
F11	02 Nov 2015	55	16.99	86.92	7.3	33.39	8.1	24.3	1.50
F11	02 Nov 2015	56	16.91	86.74	7.2	33.38	8.1	24.3	1.40
F11	02 Nov 2015	57	16.73	86.20	7.2	33.39	8.1	24.3	1.34
F11	02 Nov 2015	58	16.64	86.25	7.0	33.38	8.1	24.4	1.22
F11	02 Nov 2015	59	16.30	85.52	6.9	33.38	8.1	24.4	1.19
F11	02 Nov 2015	60	16.07	84.44	6.9	33.40	8.1	24.5	1.58
F12	02 Nov 2015	1	21.21	89.53	7.3	33.52	8.2	23.3	0.36
F12	02 Nov 2015	2	21.18	89.57	7.3	33.52	8.2	23.3	0.37
F12	02 Nov 2015	3	21.17	89.66	7.3	33.52	8.2	23.3	0.35
F12	02 Nov 2015	4	21.15	89.71	7.3	33.52	8.2	23.3	0.37
F12	02 Nov 2015	5	21.15	89.67	7.3	33.52	8.2	23.3	0.37
F12	02 Nov 2015	6	21.12	89.69	7.3	33.52	8.2	23.3	0.38
F12	02 Nov 2015	7	21.12	89.68	7.3	33.52	8.2	23.3	0.38
F12	02 Nov 2015	8	21.11	89.68	7.3	33.52	8.2	23.3	0.38
F12	02 Nov 2015	9	21.11	89.66	7.3	33.52	8.2	23.3	0.40
F12	02 Nov 2015	10	21.10	89.65	7.3	33.52	8.2	23.3	0.39
F12	02 Nov 2015	11	21.10	89.65	7.3	33.52	8.2	23.3	0.38
F12	02 Nov 2015	12	21.09	89.64	7.3	33.52	8.2	23.3	0.40
F12	02 Nov 2015	13	21.09	89.65	7.3	33.52	8.2	23.3	0.40
F12	02 Nov 2015	14	21.08	89.67	7.3	33.52	8.2	23.3	0.42
F12	02 Nov 2015	15	21.06	89.64	7.3	33.51	8.2	23.3	0.41
F12	02 Nov 2015	16	21.04	89.62	7.3	33.51	8.2	23.3	0.47
F12	02 Nov 2015	17	20.50	89.51	7.5	33.46	8.2	23.5	0.54
F12	02 Nov 2015	18	20.34	89.08	7.6	33.47	8.2	23.5	0.57
F12	02 Nov 2015	19	20.31	88.96	7.6	33.46	8.2	23.5	0.59
F12	02 Nov 2015	20	20.16	88.97	7.6	33.45	8.2	23.5	0.70
F12	02 Nov 2015	21	19.78	88.56	7.5	33.42	8.2	23.6	0.93
F12	02 Nov 2015	22	19.46	87.61	7.6	33.41	8.2	23.7	1.01
F12	02 Nov 2015	23	19.12	87.70	7.7	33.38	8.2	23.8	1.12
F12	02 Nov 2015	24	18.79	87.64	7.8	33.40	8.2	23.9	1.26
F12	02 Nov 2015	25	18.73	87.10	7.8	33.40	8.2	23.9	1.28
F12	02 Nov 2015	26	18.66	87.32	7.8	33.40	8.2	23.9	1.23
F12	02 Nov 2015	27	18.62	87.73	7.8	33.41	8.2	23.9	1.23
F12	02 Nov 2015	28	18.51	87.89	7.8	33.41	8.2	23.9	1.19
F12	02 Nov 2015	29	18.42	88.19	7.8	33.40	8.2	23.9	1.19
F12	02 Nov 2015	30	18.36	88.34	7.8	33.40	8.2	24.0	1.20
F12	02 Nov 2015	31	18.27	88.40	7.9	33.39	8.2	24.0	1.21
F12	02 Nov 2015	32	18.21	88.38	7.9	33.40	8.2	24.0	1.31
F12	02 Nov 2015	33	18.19	88.32	7.7	33.38	8.2	24.0	1.45
F12	02 Nov 2015	34	17.72	88.16	7.8	33.37	8.2	24.1	1.60
F12	02 Nov 2015	35	17.52	88.40	7.9	33.37	8.2	24.1	1.61
F12	02 Nov 2015	36	17.40	88.61	7.8	33.36	8.2	24.2	1.53
F12	02 Nov 2015	37	17.23	89.06	7.9	33.36	8.2	24.2	1.46
F12	02 Nov 2015	38	17.09	89.32	7.8	33.36	8.2	24.2	1.42
F12	02 Nov 2015	39	16.88	89.48	7.8	33.35	8.2	24.3	1.42
F12	02 Nov 2015	40	16.67	89.49	7.7	33.35	8.2	24.3	1.48
F12	02 Nov 2015	41	16.59	89.45	7.7	33.36	8.2	24.4	1.46
F12	02 Nov 2015	42	16.58	89.43	7.7	33.36	8.2	24.4	1.49
F12	02 Nov 2015	43	16.58	89.42	7.7	33.37	8.2	24.4	1.48
F12	02 Nov 2015	44	16.54	89.43	7.6	33.37	8.2	24.4	1.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F12	02 Nov 2015	45	16.51	89.44	7.6	33.37	8.2	24.4	1.47
F12	02 Nov 2015	46	16.49	89.41	7.6	33.37	8.2	24.4	1.45
F12	02 Nov 2015	47	16.45	89.42	7.5	33.37	8.1	24.4	1.44
F12	02 Nov 2015	48	16.40	89.32	7.4	33.38	8.1	24.4	1.38
F12	02 Nov 2015	49	16.39	89.03	7.3	33.39	8.1	24.4	1.37
F12	02 Nov 2015	50	16.38	88.72	7.2	33.39	8.1	24.4	1.32
F12	02 Nov 2015	51	16.31	88.19	7.1	33.39	8.1	24.4	1.28
F12	02 Nov 2015	52	16.24	87.85	7.1	33.40	8.1	24.5	1.22
F12	02 Nov 2015	53	16.18	88.05	7.0	33.40	8.1	24.5	1.19
F12	02 Nov 2015	54	16.12	87.37	7.0	33.39	8.1	24.5	1.14
F12	02 Nov 2015	55	16.02	88.03	7.0	33.40	8.1	24.5	1.13
F12	02 Nov 2015	56	15.97	88.15	7.0	33.39	8.1	24.5	1.10
F12	02 Nov 2015	57	15.88	88.82	7.0	33.40	8.1	24.5	1.07
F12	02 Nov 2015	58	15.84	89.09	6.9	33.40	8.1	24.6	1.04
F12	02 Nov 2015	59	15.79	89.07	6.8	33.41	8.1	24.6	0.97
F12	02 Nov 2015	60	15.70	88.52	6.7	33.41	8.1	24.6	0.92
F12	02 Nov 2015	61	15.67	87.52	6.7	33.42	8.1	24.6	0.91
F13	02 Nov 2015	1	21.44	86.47	7.2	33.52	8.2	23.3	0.35
F13	02 Nov 2015	2	21.41	88.63	7.2	33.52	8.2	23.3	0.36
F13	02 Nov 2015	3	21.38	89.27	7.3	33.52	8.2	23.3	0.37
F13	02 Nov 2015	4	21.37	89.24	7.3	33.52	8.2	23.3	0.39
F13	02 Nov 2015	5	21.35	89.28	7.3	33.51	8.2	23.3	0.41
F13	02 Nov 2015	6	21.31	89.20	7.3	33.51	8.2	23.3	0.42
F13	02 Nov 2015	7	21.27	89.09	7.3	33.50	8.2	23.3	0.42
F13	02 Nov 2015	8	21.22	89.29	7.4	33.50	8.2	23.3	0.43
F13	02 Nov 2015	9	21.16	89.26	7.4	33.49	8.2	23.3	0.44
F13	02 Nov 2015	10	21.11	89.00	7.4	33.49	8.2	23.3	0.44
F13	02 Nov 2015	11	20.99	89.14	7.4	33.46	8.2	23.3	0.48
F13	02 Nov 2015	12	20.70	89.15	7.6	33.44	8.2	23.4	0.50
F13	02 Nov 2015	13	20.41	89.07	7.7	33.44	8.2	23.5	0.55
F13	02 Nov 2015	14	20.22	89.16	7.8	33.44	8.2	23.5	0.58
F13	02 Nov 2015	15	20.18	89.12	7.7	33.44	8.2	23.5	0.60
F13	02 Nov 2015	16	20.09	89.10	7.7	33.43	8.2	23.5	0.61
F13	02 Nov 2015	17	19.97	89.05	7.7	33.42	8.2	23.6	0.65
F13	02 Nov 2015	18	19.72	88.84	7.8	33.43	8.2	23.6	0.70
F13	02 Nov 2015	19	19.53	88.70	7.7	33.42	8.2	23.7	0.75
F13	02 Nov 2015	20	19.34	88.37	7.7	33.43	8.2	23.7	0.80
F13	02 Nov 2015	21	19.22	88.25	7.7	33.42	8.2	23.8	0.86
F13	02 Nov 2015	22	18.97	88.25	7.8	33.41	8.2	23.8	0.86
F13	02 Nov 2015	23	18.72	88.52	8.0	33.38	8.2	23.9	0.81
F13	02 Nov 2015	24	18.55	89.00	8.0	33.37	8.2	23.9	0.81
F13	02 Nov 2015	25	18.33	89.45	8.0	33.37	8.2	23.9	0.88
F13	02 Nov 2015	26	18.23	89.22	7.8	33.37	8.2	24.0	1.07
F13	02 Nov 2015	27	17.85	88.88	7.8	33.33	8.2	24.0	1.13
F13	02 Nov 2015	28	17.47	88.92	8.0	33.35	8.2	24.1	1.14
F13	02 Nov 2015	29	17.40	89.25	8.0	33.35	8.2	24.2	1.14
F13	02 Nov 2015	30	17.37	89.44	8.0	33.34	8.2	24.2	1.15
F13	02 Nov 2015	31	17.30	89.57	8.0	33.34	8.2	24.2	1.15
F13	02 Nov 2015	32	17.27	89.61	8.0	33.35	8.2	24.2	1.16
F13	02 Nov 2015	33	17.22	89.64	7.9	33.35	8.2	24.2	1.22
F13	02 Nov 2015	34	17.15	89.61	7.8	33.34	8.2	24.2	1.18
F13	02 Nov 2015	35	16.83	89.73	7.8	33.34	8.1	24.3	1.17
F13	02 Nov 2015	36	16.59	89.90	7.8	33.34	8.1	24.3	1.24
F13	02 Nov 2015	37	16.51	89.90	7.8	33.35	8.1	24.4	1.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F13	02 Nov 2015	38	16.48	89.73	7.7	33.35	8.1	24.4	1.40
F13	02 Nov 2015	39	16.41	89.66	7.6	33.36	8.1	24.4	1.40
F13	02 Nov 2015	40	16.23	89.61	7.5	33.35	8.1	24.4	1.44
F13	02 Nov 2015	41	16.07	89.56	7.5	33.37	8.1	24.5	1.48
F13	02 Nov 2015	42	16.05	89.59	7.5	33.36	8.1	24.5	1.46
F13	02 Nov 2015	43	16.01	89.57	7.4	33.37	8.1	24.5	1.41
F13	02 Nov 2015	44	16.01	89.55	7.2	33.38	8.1	24.5	1.34
F13	02 Nov 2015	45	16.02	89.00	7.1	33.40	8.1	24.5	1.26
F13	02 Nov 2015	46	16.02	88.99	7.1	33.40	8.1	24.5	1.23
F13	02 Nov 2015	47	16.01	88.45	7.0	33.40	8.1	24.5	1.20
F13	02 Nov 2015	48	16.00	88.67	7.0	33.40	8.1	24.5	1.17
F13	02 Nov 2015	49	15.93	88.80	7.0	33.40	8.1	24.5	1.15
F13	02 Nov 2015	50	15.91	89.04	7.0	33.40	8.1	24.5	1.15
F13	02 Nov 2015	51	15.90	88.97	7.0	33.40	8.1	24.5	1.14
F13	02 Nov 2015	52	15.89	89.12	6.9	33.40	8.1	24.5	1.12
F13	02 Nov 2015	53	15.89	89.13	7.0	33.40	8.1	24.5	1.13
F13	02 Nov 2015	54	15.87	89.15	6.9	33.40	8.1	24.5	1.04
F13	02 Nov 2015	55	15.78	88.92	6.8	33.41	8.1	24.6	0.99
F13	02 Nov 2015	56	15.74	88.52	6.7	33.41	8.1	24.6	0.95
F13	02 Nov 2015	57	15.71	88.36	6.7	33.42	8.1	24.6	0.94
F13	02 Nov 2015	58	15.70	88.30	6.7	33.42	8.1	24.6	0.92
F13	02 Nov 2015	59	15.69	88.09	6.7	33.42	8.1	24.6	0.92
F13	02 Nov 2015	60	15.68	87.90	6.7	33.42	8.1	24.6	0.93
F14	02 Nov 2015	1	21.36	88.93	6.8	33.49	8.2	23.2	0.48
F14	02 Nov 2015	2	21.35	89.08	6.7	33.50	8.2	23.3	0.45
F14	02 Nov 2015	3	21.34	89.15	6.7	33.50	8.2	23.3	0.42
F14	02 Nov 2015	4	21.33	89.17	6.8	33.50	8.2	23.3	0.41
F14	02 Nov 2015	5	21.32	89.09	6.9	33.50	8.2	23.3	0.41
F14	02 Nov 2015	6	21.31	89.01	7.1	33.50	8.2	23.3	0.42
F14	02 Nov 2015	7	21.30	88.77	7.1	33.50	8.2	23.3	0.44
F14	02 Nov 2015	8	21.28	89.10	7.2	33.50	8.2	23.3	0.43
F14	02 Nov 2015	9	21.27	89.15	7.2	33.50	8.2	23.3	0.43
F14	02 Nov 2015	10	21.16	89.19	7.2	33.49	8.2	23.3	0.45
F14	02 Nov 2015	11	21.03	89.20	7.4	33.48	8.2	23.3	0.46
F14	02 Nov 2015	12	20.94	89.18	7.4	33.48	8.2	23.4	0.48
F14	02 Nov 2015	13	20.45	89.14	7.5	33.45	8.2	23.5	0.51
F14	02 Nov 2015	14	20.15	89.36	7.7	33.45	8.2	23.5	0.51
F14	02 Nov 2015	15	20.08	89.30	7.6	33.44	8.2	23.5	0.53
F14	02 Nov 2015	16	19.57	89.42	7.7	33.41	8.2	23.7	0.55
F14	02 Nov 2015	17	19.41	89.53	7.9	33.41	8.2	23.7	0.57
F14	02 Nov 2015	18	19.16	89.54	7.9	33.40	8.2	23.8	0.62
F14	02 Nov 2015	19	19.05	89.37	7.8	33.41	8.2	23.8	0.67
F14	02 Nov 2015	20	18.93	89.23	7.8	33.39	8.2	23.8	0.67
F14	02 Nov 2015	21	18.81	89.38	8.0	33.39	8.2	23.8	0.69
F14	02 Nov 2015	22	18.78	89.42	7.9	33.39	8.2	23.8	0.73
F14	02 Nov 2015	23	18.72	89.23	7.9	33.39	8.2	23.9	0.77
F14	02 Nov 2015	24	18.70	89.15	7.9	33.40	8.2	23.9	0.87
F14	02 Nov 2015	25	18.55	88.81	7.9	33.39	8.2	23.9	0.88
F14	02 Nov 2015	26	18.32	88.92	7.9	33.38	8.2	24.0	1.06
F14	02 Nov 2015	27	18.17	88.79	7.8	33.41	8.2	24.0	1.38
F14	02 Nov 2015	28	18.00	88.20	7.6	33.39	8.2	24.0	1.71
F14	02 Nov 2015	29	17.66	87.37	7.7	33.39	8.2	24.1	1.97
F14	02 Nov 2015	30	17.51	87.54	7.7	33.37	8.2	24.1	2.09
F14	02 Nov 2015	31	17.25	87.41	7.8	33.37	8.2	24.2	1.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F14	02 Nov 2015	32	17.32	87.89	7.9	33.37	8.2	24.2	1.66
F14	02 Nov 2015	33	17.21	88.27	7.9	33.37	8.2	24.2	1.38
F14	02 Nov 2015	34	17.15	89.09	7.9	33.37	8.2	24.2	1.22
F14	02 Nov 2015	35	17.07	89.05	7.8	33.37	8.2	24.2	1.25
F14	02 Nov 2015	36	17.00	89.56	7.8	33.37	8.2	24.3	1.37
F14	02 Nov 2015	37	16.77	89.40	7.7	33.36	8.2	24.3	1.36
F14	02 Nov 2015	38	16.56	89.50	7.6	33.37	8.2	24.4	1.43
F14	02 Nov 2015	39	16.45	89.42	7.5	33.37	8.1	24.4	1.43
F14	02 Nov 2015	40	16.35	89.47	7.5	33.37	8.1	24.4	1.39
F14	02 Nov 2015	41	16.19	89.57	7.4	33.37	8.1	24.4	1.40
F14	02 Nov 2015	42	16.02	89.55	7.3	33.38	8.1	24.5	1.35
F14	02 Nov 2015	43	15.97	89.49	7.1	33.39	8.1	24.5	1.28
F14	02 Nov 2015	44	15.95	89.25	7.1	33.39	8.1	24.5	1.25
F14	02 Nov 2015	45	15.96	89.30	7.1	33.39	8.1	24.5	1.23
F14	02 Nov 2015	46	15.95	89.11	7.1	33.40	8.1	24.5	1.22
F14	02 Nov 2015	47	15.95	89.04	7.1	33.40	8.1	24.5	1.22
F14	02 Nov 2015	48	15.95	89.04	7.0	33.40	8.1	24.5	1.21
F14	02 Nov 2015	49	15.94	89.09	7.0	33.40	8.1	24.5	1.20
F14	02 Nov 2015	50	15.93	89.13	7.0	33.40	8.1	24.5	1.18
F14	02 Nov 2015	51	15.93	89.06	7.0	33.40	8.1	24.5	1.17
F14	02 Nov 2015	52	15.93	89.01	7.0	33.40	8.1	24.5	1.15
F14	02 Nov 2015	53	15.93	88.90	7.0	33.40	8.1	24.5	1.12
F14	02 Nov 2015	54	15.93	88.63	6.9	33.41	8.1	24.5	1.07
F14	02 Nov 2015	55	15.90	88.03	6.8	33.41	8.1	24.5	1.05
F14	02 Nov 2015	56	15.85	87.58	6.8	33.41	8.1	24.6	1.01
F14	02 Nov 2015	57	15.80	87.48	6.8	33.41	8.1	24.6	0.98
F14	02 Nov 2015	58	15.76	87.10	6.7	33.41	8.1	24.6	0.96
F14	02 Nov 2015	59	15.75	86.76	6.7	33.41	8.1	24.6	1.29
F14	02 Nov 2015	60	15.74	86.31	6.7	33.41	8.1	24.6	1.90
F15	05 Nov 2015	1	20.24	89.11	7.3	33.48	8.2	23.5	0.23
F15	05 Nov 2015	2	20.18	89.33	7.3	33.47	8.2	23.5	0.25
F15	05 Nov 2015	3	20.11	89.38	7.3	33.47	8.2	23.6	0.27
F15	05 Nov 2015	4	20.09	89.38	7.3	33.47	8.2	23.6	0.29
F15	05 Nov 2015	5	20.09	89.21	7.3	33.47	8.2	23.6	0.29
F15	05 Nov 2015	6	20.08	89.36	7.3	33.47	8.2	23.6	0.29
F15	05 Nov 2015	7	20.08	89.36	7.4	33.47	8.2	23.6	0.31
F15	05 Nov 2015	8	20.08	89.34	7.3	33.47	8.2	23.6	0.33
F15	05 Nov 2015	9	20.08	89.34	7.3	33.47	8.2	23.6	0.35
F15	05 Nov 2015	10	20.07	89.31	7.4	33.47	8.2	23.6	0.35
F15	05 Nov 2015	11	20.07	89.32	7.3	33.47	8.2	23.6	0.36
F15	05 Nov 2015	12	20.06	89.35	7.3	33.47	8.2	23.6	0.37
F15	05 Nov 2015	13	20.06	89.29	7.3	33.47	8.2	23.6	0.39
F15	05 Nov 2015	14	20.06	89.28	7.3	33.47	8.2	23.6	0.40
F15	05 Nov 2015	15	20.06	89.29	7.4	33.47	8.2	23.6	0.42
F15	05 Nov 2015	16	20.06	89.32	7.3	33.47	8.2	23.6	0.43
F15	05 Nov 2015	17	20.05	89.31	7.4	33.47	8.2	23.6	0.44
F15	05 Nov 2015	18	20.05	89.32	7.3	33.47	8.2	23.6	0.47
F15	05 Nov 2015	19	20.05	89.29	7.4	33.47	8.2	23.6	0.48
F15	05 Nov 2015	20	20.04	89.30	7.3	33.47	8.2	23.6	0.50
F15	05 Nov 2015	21	20.04	89.26	7.3	33.47	8.2	23.6	0.50
F15	05 Nov 2015	22	20.04	89.19	7.4	33.47	8.2	23.6	0.51
F15	05 Nov 2015	23	20.04	89.28	7.3	33.47	8.2	23.6	0.53
F15	05 Nov 2015	24	20.03	89.12	7.3	33.46	8.2	23.6	0.54
F15	05 Nov 2015	25	20.01	89.25	7.4	33.46	8.2	23.6	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F15	05 Nov 2015	26	19.99	89.26	7.4	33.45	8.2	23.6	0.56
F15	05 Nov 2015	27	19.93	89.06	7.3	33.45	8.2	23.6	0.58
F15	05 Nov 2015	28	19.91	89.23	7.4	33.45	8.2	23.6	0.57
F15	05 Nov 2015	29	19.85	89.29	7.4	33.44	8.2	23.6	0.59
F15	05 Nov 2015	30	19.77	89.30	7.4	33.42	8.2	23.6	0.59
F15	05 Nov 2015	31	19.65	89.34	7.5	33.40	8.2	23.6	0.59
F15	05 Nov 2015	32	19.50	89.37	7.5	33.37	8.2	23.7	0.59
F15	05 Nov 2015	33	19.18	89.40	7.6	33.32	8.2	23.7	0.61
F15	05 Nov 2015	34	18.89	89.38	7.7	33.30	8.2	23.7	0.66
F15	05 Nov 2015	35	18.68	89.26	7.7	33.29	8.2	23.8	0.71
F15	05 Nov 2015	36	18.49	89.13	7.8	33.28	8.2	23.8	0.79
F15	05 Nov 2015	37	18.26	88.98	7.8	33.27	8.2	23.9	0.94
F15	05 Nov 2015	38	17.91	88.75	7.9	33.29	8.2	24.0	1.14
F15	05 Nov 2015	39	17.82	88.30	7.7	33.32	8.2	24.0	1.33
F15	05 Nov 2015	40	17.75	88.02	7.6	33.34	8.2	24.1	1.56
F15	05 Nov 2015	41	17.62	87.48	7.6	33.35	8.2	24.1	1.79
F15	05 Nov 2015	42	17.50	87.25	7.6	33.36	8.2	24.1	1.95
F15	05 Nov 2015	43	17.42	87.25	7.5	33.36	8.2	24.2	2.06
F15	05 Nov 2015	44	17.30	87.34	7.5	33.36	8.2	24.2	2.40
F15	05 Nov 2015	45	17.18	87.46	7.4	33.37	8.2	24.2	2.18
F15	05 Nov 2015	46	17.12	87.69	7.4	33.38	8.2	24.2	2.09
F15	05 Nov 2015	47	17.09	88.12	7.3	33.38	8.2	24.3	1.99
F15	05 Nov 2015	48	17.07	88.38	7.3	33.39	8.2	24.3	1.91
F15	05 Nov 2015	49	17.01	88.49	7.3	33.38	8.2	24.3	1.80
F15	05 Nov 2015	50	16.93	88.59	7.2	33.38	8.2	24.3	1.71
F15	05 Nov 2015	51	16.86	88.81	7.2	33.38	8.2	24.3	1.61
F15	05 Nov 2015	52	16.82	88.89	7.2	33.39	8.2	24.3	1.50
F15	05 Nov 2015	53	16.81	88.86	7.2	33.39	8.2	24.3	1.43
F15	05 Nov 2015	54	16.80	88.84	7.2	33.39	8.2	24.3	1.38
F15	05 Nov 2015	55	16.79	88.85	7.1	33.39	8.2	24.3	1.34
F15	05 Nov 2015	56	16.79	88.82	7.1	33.39	8.2	24.3	1.31
F15	05 Nov 2015	57	16.78	88.84	7.1	33.39	8.2	24.3	1.29
F15	05 Nov 2015	58	16.77	88.86	7.1	33.40	8.2	24.3	1.26
F15	05 Nov 2015	59	16.76	88.87	7.1	33.40	8.2	24.3	1.24
F15	05 Nov 2015	60	16.76	88.86	7.2	33.40	8.2	24.3	1.18
F15	05 Nov 2015	61	16.74	88.87	7.1	33.40	8.2	24.3	1.17
F15	05 Nov 2015	62	16.72	88.89	7.1	33.40	8.2	24.4	1.12
F15	05 Nov 2015	63	16.68	88.90	7.0	33.39	8.2	24.4	1.05
F15	05 Nov 2015	64	16.56	88.94	7.0	33.39	8.2	24.4	0.95
F15	05 Nov 2015	65	16.43	88.87	6.8	33.39	8.1	24.4	0.86
F15	05 Nov 2015	66	16.13	88.56	6.6	33.38	8.1	24.5	0.77
F15	05 Nov 2015	67	15.90	87.69	6.4	33.42	8.1	24.6	0.70
F15	05 Nov 2015	68	15.75	87.64	6.3	33.44	8.1	24.6	0.63
F15	05 Nov 2015	69	15.63	88.12	6.3	33.43	8.1	24.6	0.58
F15	05 Nov 2015	70	15.46	88.27	6.3	33.45	8.1	24.7	0.56
F15	05 Nov 2015	71	15.38	88.31	6.2	33.45	8.1	24.7	0.53
F15	05 Nov 2015	72	15.35	88.21	6.1	33.45	8.1	24.7	0.50
F15	05 Nov 2015	73	15.25	88.03	6.0	33.42	8.1	24.7	0.46
F15	05 Nov 2015	74	14.85	88.20	5.9	33.47	8.1	24.8	0.40
F15	05 Nov 2015	75	14.75	87.91	5.8	33.48	8.1	24.9	0.39
F15	05 Nov 2015	76	14.67	88.06	5.8	33.48	8.1	24.9	0.37
F15	05 Nov 2015	77	14.57	88.11	5.7	33.48	8.1	24.9	0.35
F15	05 Nov 2015	78	14.43	88.08	5.6	33.49	8.0	24.9	0.33
F15	05 Nov 2015	79	14.30	87.63	5.5	33.50	8.0	25.0	0.33
F15	05 Nov 2015	80	14.25	87.19	5.5	33.51	8.0	25.0	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F16	05 Nov 2015	1	20.25	88.93	7.2	33.48	8.2	23.5	0.23
F16	05 Nov 2015	2	20.22	89.43	7.3	33.47	8.2	23.5	0.22
F16	05 Nov 2015	3	20.16	89.42	7.3	33.47	8.2	23.6	0.23
F16	05 Nov 2015	4	20.12	89.31	7.3	33.47	8.2	23.6	0.24
F16	05 Nov 2015	5	20.11	89.36	7.3	33.47	8.2	23.6	0.26
F16	05 Nov 2015	6	20.10	89.39	7.3	33.47	8.2	23.6	0.25
F16	05 Nov 2015	7	20.10	89.43	7.3	33.47	8.2	23.6	0.27
F16	05 Nov 2015	8	20.09	89.44	7.3	33.47	8.2	23.6	0.28
F16	05 Nov 2015	9	20.09	89.43	7.3	33.47	8.2	23.6	0.29
F16	05 Nov 2015	10	20.08	89.45	7.3	33.47	8.2	23.6	0.30
F16	05 Nov 2015	11	20.08	89.40	7.3	33.47	8.2	23.6	0.31
F16	05 Nov 2015	12	20.07	89.40	7.3	33.47	8.2	23.6	0.33
F16	05 Nov 2015	13	20.07	89.41	7.3	33.47	8.2	23.6	0.33
F16	05 Nov 2015	14	20.07	89.40	7.3	33.47	8.2	23.6	0.33
F16	05 Nov 2015	15	20.07	89.44	7.3	33.47	8.2	23.6	0.34
F16	05 Nov 2015	16	20.07	89.43	7.3	33.47	8.2	23.6	0.36
F16	05 Nov 2015	17	20.07	89.42	7.3	33.47	8.2	23.6	0.36
F16	05 Nov 2015	18	20.07	89.43	7.3	33.47	8.2	23.6	0.37
F16	05 Nov 2015	19	20.07	89.43	7.3	33.47	8.2	23.6	0.38
F16	05 Nov 2015	20	20.07	89.44	7.3	33.47	8.2	23.6	0.40
F16	05 Nov 2015	21	20.07	89.44	7.3	33.47	8.2	23.6	0.41
F16	05 Nov 2015	22	20.07	89.45	7.3	33.47	8.2	23.6	0.42
F16	05 Nov 2015	23	20.06	89.41	7.3	33.47	8.2	23.6	0.42
F16	05 Nov 2015	24	20.06	89.40	7.3	33.47	8.2	23.6	0.43
F16	05 Nov 2015	25	20.06	89.47	7.3	33.47	8.2	23.6	0.44
F16	05 Nov 2015	26	20.06	89.46	7.3	33.47	8.2	23.6	0.44
F16	05 Nov 2015	27	20.05	89.45	7.3	33.46	8.2	23.6	0.46
F16	05 Nov 2015	28	19.97	89.46	7.3	33.45	8.2	23.6	0.47
F16	05 Nov 2015	29	19.89	89.44	7.4	33.43	8.2	23.6	0.49
F16	05 Nov 2015	30	19.68	89.46	7.5	33.39	8.2	23.6	0.51
F16	05 Nov 2015	31	19.55	89.48	7.5	33.37	8.2	23.6	0.51
F16	05 Nov 2015	32	19.44	89.48	7.5	33.35	8.2	23.6	0.56
F16	05 Nov 2015	33	19.05	89.37	7.6	33.34	8.2	23.7	0.62
F16	05 Nov 2015	34	18.90	89.12	7.7	33.35	8.2	23.8	0.65
F16	05 Nov 2015	35	18.79	89.03	7.6	33.35	8.2	23.8	0.72
F16	05 Nov 2015	36	18.44	88.84	7.7	33.34	8.2	23.9	0.83
F16	05 Nov 2015	37	18.15	88.48	7.7	33.36	8.2	24.0	0.96
F16	05 Nov 2015	38	18.03	88.22	7.7	33.36	8.2	24.0	1.13
F16	05 Nov 2015	39	17.85	87.93	7.7	33.35	8.2	24.0	1.33
F16	05 Nov 2015	40	17.75	87.83	7.7	33.37	8.2	24.1	1.48
F16	05 Nov 2015	41	17.74	87.77	7.6	33.37	8.2	24.1	1.49
F16	05 Nov 2015	42	17.69	87.85	7.6	33.36	8.2	24.1	1.52
F16	05 Nov 2015	43	17.49	88.12	7.6	33.37	8.2	24.1	1.60
F16	05 Nov 2015	44	17.35	88.43	7.5	33.37	8.2	24.2	1.77
F16	05 Nov 2015	45	17.22	88.35	7.4	33.38	8.2	24.2	1.80
F16	05 Nov 2015	46	17.17	88.16	7.4	33.38	8.2	24.2	1.85
F16	05 Nov 2015	47	17.13	88.11	7.4	33.38	8.2	24.2	1.81
F16	05 Nov 2015	48	17.10	88.33	7.4	33.38	8.2	24.2	1.77
F16	05 Nov 2015	49	17.05	88.56	7.4	33.39	8.2	24.3	1.74
F16	05 Nov 2015	50	17.01	88.58	7.4	33.39	8.2	24.3	1.61
F16	05 Nov 2015	51	16.95	88.74	7.3	33.38	8.2	24.3	1.44
F16	05 Nov 2015	52	16.76	88.89	7.2	33.38	8.2	24.3	1.27
F16	05 Nov 2015	53	16.69	89.23	7.1	33.39	8.2	24.3	1.14
F16	05 Nov 2015	54	16.55	89.24	7.0	33.38	8.2	24.4	1.03

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F16	05 Nov 2015	55	16.38	89.06	7.0	33.39	8.2	24.4	1.02
F16	05 Nov 2015	56	16.32	89.13	6.9	33.40	8.1	24.4	0.96
F16	05 Nov 2015	57	16.19	89.23	6.8	33.39	8.1	24.5	0.92
F16	05 Nov 2015	58	16.11	89.36	6.8	33.40	8.1	24.5	0.92
F16	05 Nov 2015	59	16.08	89.35	6.8	33.40	8.1	24.5	0.88
F16	05 Nov 2015	60	15.96	89.22	6.7	33.40	8.1	24.5	0.80
F16	05 Nov 2015	61	15.91	88.69	6.7	33.41	8.1	24.5	0.75
F16	05 Nov 2015	62	15.86	88.32	6.7	33.41	8.1	24.6	0.74
F16	05 Nov 2015	63	15.81	88.11	6.6	33.41	8.1	24.6	0.68
F16	05 Nov 2015	64	15.71	87.52	6.5	33.41	8.1	24.6	0.64
F16	05 Nov 2015	65	15.58	86.98	6.3	33.40	8.1	24.6	0.58
F16	05 Nov 2015	66	15.31	85.31	6.1	33.44	8.1	24.7	0.52
F16	05 Nov 2015	67	15.06	84.42	5.8	33.40	8.1	24.7	0.44
F16	05 Nov 2015	68	14.58	83.55	5.6	33.48	8.1	24.9	0.40
F16	05 Nov 2015	69	14.59	84.20	5.7	33.47	8.0	24.9	0.36
F16	05 Nov 2015	70	14.49	83.13	5.7	33.49	8.0	24.9	0.36
F16	05 Nov 2015	71	14.46	83.54	5.7	33.50	8.0	24.9	0.35
F16	05 Nov 2015	72	14.44	84.83	5.7	33.50	8.0	24.9	0.33
F16	05 Nov 2015	73	14.44	86.02	5.7	33.50	8.0	24.9	0.34
F16	05 Nov 2015	74	14.42	86.90	5.7	33.50	8.0	24.9	0.34
F16	05 Nov 2015	75	14.35	87.47	5.6	33.51	8.0	25.0	0.33
F16	05 Nov 2015	76	14.28	87.68	5.5	33.51	8.0	25.0	0.32
F16	05 Nov 2015	77	14.22	87.38	5.5	33.52	8.0	25.0	0.31
F16	05 Nov 2015	78	14.18	86.62	5.5	33.52	8.0	25.0	0.30
F16	05 Nov 2015	79	14.14	86.11	5.4	33.53	8.0	25.0	0.31
F16	05 Nov 2015	80	14.12	84.66	5.4	33.53	8.0	25.0	0.42
F16	05 Nov 2015	81	14.12	84.40	5.4	33.52	8.0	25.0	0.43
F17	05 Nov 2015	1	20.15	89.49	7.3	33.45	8.2	23.5	0.21
F17	05 Nov 2015	2	20.13	89.43	7.3	33.45	8.2	23.5	0.22
F17	05 Nov 2015	3	20.10	89.45	7.3	33.45	8.2	23.6	0.23
F17	05 Nov 2015	4	20.09	89.50	7.3	33.45	8.2	23.6	0.24
F17	05 Nov 2015	5	20.09	89.50	7.3	33.45	8.2	23.6	0.25
F17	05 Nov 2015	6	20.09	89.43	7.3	33.45	8.2	23.6	0.25
F17	05 Nov 2015	7	20.07	89.45	7.4	33.45	8.2	23.6	0.27
F17	05 Nov 2015	8	20.06	89.50	7.4	33.45	8.2	23.6	0.28
F17	05 Nov 2015	9	20.05	89.47	7.4	33.45	8.2	23.6	0.28
F17	05 Nov 2015	10	20.05	89.45	7.3	33.45	8.2	23.6	0.29
F17	05 Nov 2015	11	20.04	89.47	7.3	33.45	8.2	23.6	0.32
F17	05 Nov 2015	12	20.03	89.48	7.3	33.45	8.2	23.6	0.33
F17	05 Nov 2015	13	20.03	89.47	7.4	33.45	8.2	23.6	0.33
F17	05 Nov 2015	14	20.03	89.46	7.3	33.45	8.2	23.6	0.34
F17	05 Nov 2015	15	20.01	89.41	7.3	33.45	8.2	23.6	0.35
F17	05 Nov 2015	16	20.00	89.44	7.3	33.45	8.2	23.6	0.36
F17	05 Nov 2015	17	19.98	89.48	7.3	33.45	8.2	23.6	0.38
F17	05 Nov 2015	18	19.96	89.43	7.3	33.45	8.2	23.6	0.39
F17	05 Nov 2015	19	19.94	89.49	7.4	33.46	8.2	23.6	0.41
F17	05 Nov 2015	20	19.93	89.53	7.3	33.46	8.2	23.6	0.41
F17	05 Nov 2015	21	19.89	89.45	7.4	33.45	8.2	23.6	0.41
F17	05 Nov 2015	22	19.86	89.15	7.4	33.45	8.2	23.6	0.44
F17	05 Nov 2015	23	19.84	89.46	7.4	33.44	8.2	23.6	0.44
F17	05 Nov 2015	24	19.66	89.47	7.4	33.41	8.2	23.6	0.49
F17	05 Nov 2015	25	19.32	89.20	7.5	33.40	8.2	23.7	0.57
F17	05 Nov 2015	26	19.13	88.96	7.5	33.40	8.2	23.8	0.64
F17	05 Nov 2015	27	18.91	88.80	7.5	33.40	8.2	23.8	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F17	05 Nov 2015	28	18.61	88.36	7.7	33.37	8.2	23.9	0.78
F17	05 Nov 2015	29	18.41	88.33	7.8	33.37	8.2	23.9	0.88
F17	05 Nov 2015	30	18.32	88.32	7.8	33.38	8.2	24.0	0.90
F17	05 Nov 2015	31	18.24	88.37	7.7	33.38	8.2	24.0	0.97
F17	05 Nov 2015	32	18.09	88.32	7.7	33.36	8.2	24.0	1.06
F17	05 Nov 2015	33	17.93	88.30	7.7	33.37	8.2	24.0	1.14
F17	05 Nov 2015	34	17.80	88.46	7.7	33.36	8.2	24.1	1.33
F17	05 Nov 2015	35	17.52	88.43	7.7	33.37	8.2	24.1	1.52
F17	05 Nov 2015	36	17.45	88.30	7.6	33.37	8.2	24.2	1.76
F17	05 Nov 2015	37	17.37	88.08	7.5	33.38	8.2	24.2	1.90
F17	05 Nov 2015	38	17.24	87.88	7.3	33.38	8.2	24.2	1.99
F17	05 Nov 2015	39	17.15	87.74	7.4	33.38	8.2	24.2	1.90
F17	05 Nov 2015	40	17.12	88.11	7.4	33.38	8.2	24.2	1.79
F17	05 Nov 2015	41	17.09	88.30	7.5	33.38	8.2	24.2	1.62
F17	05 Nov 2015	42	17.00	88.75	7.4	33.38	8.2	24.3	1.43
F17	05 Nov 2015	43	16.92	89.10	7.3	33.38	8.2	24.3	1.36
F17	05 Nov 2015	44	16.84	89.22	7.2	33.38	8.2	24.3	1.40
F17	05 Nov 2015	45	16.82	89.21	7.2	33.39	8.2	24.3	1.35
F17	05 Nov 2015	46	16.79	89.24	7.2	33.39	8.2	24.3	1.25
F17	05 Nov 2015	47	16.77	89.17	7.2	33.38	8.2	24.3	1.18
F17	05 Nov 2015	48	16.69	89.25	7.2	33.39	8.2	24.4	1.09
F17	05 Nov 2015	49	16.62	89.22	7.1	33.39	8.2	24.4	1.07
F17	05 Nov 2015	50	16.57	89.14	7.1	33.39	8.2	24.4	1.03
F17	05 Nov 2015	51	16.50	89.15	7.0	33.39	8.2	24.4	1.02
F17	05 Nov 2015	52	16.42	89.15	7.0	33.40	8.1	24.4	1.04
F17	05 Nov 2015	53	16.33	89.23	6.9	33.39	8.1	24.4	0.96
F17	05 Nov 2015	54	16.17	89.29	6.8	33.40	8.1	24.5	0.92
F17	05 Nov 2015	55	16.05	89.38	6.8	33.40	8.1	24.5	0.86
F17	05 Nov 2015	56	15.98	89.50	6.8	33.40	8.1	24.5	0.81
F17	05 Nov 2015	57	15.92	89.49	6.7	33.40	8.1	24.5	0.75
F17	05 Nov 2015	58	15.87	89.52	6.7	33.41	8.1	24.6	0.71
F17	05 Nov 2015	59	15.79	89.45	6.6	33.41	8.1	24.6	0.65
F17	05 Nov 2015	60	15.69	88.84	6.5	33.41	8.1	24.6	0.62
F17	05 Nov 2015	61	15.55	87.89	6.4	33.41	8.1	24.6	0.58
F17	05 Nov 2015	62	15.45	86.86	6.3	33.42	8.1	24.7	0.54
F17	05 Nov 2015	63	15.35	86.57	6.2	33.42	8.1	24.7	0.52
F17	05 Nov 2015	64	15.22	86.29	6.2	33.43	8.1	24.7	0.49
F17	05 Nov 2015	65	15.10	85.96	6.1	33.43	8.1	24.7	0.46
F17	05 Nov 2015	66	14.95	85.75	6.0	33.44	8.1	24.8	0.41
F17	05 Nov 2015	67	14.79	85.95	5.8	33.43	8.1	24.8	0.38
F17	05 Nov 2015	68	14.55	86.50	5.8	33.45	8.1	24.9	0.37
F17	05 Nov 2015	69	14.49	86.73	5.7	33.45	8.0	24.9	0.33
F17	05 Nov 2015	70	14.46	86.65	5.7	33.45	8.0	24.9	0.33
F17	05 Nov 2015	71	14.42	86.45	5.7	33.45	8.0	24.9	0.33
F17	05 Nov 2015	72	14.34	86.61	5.6	33.45	8.0	24.9	0.30
F17	05 Nov 2015	73	14.25	87.17	5.5	33.44	8.0	24.9	0.29
F17	05 Nov 2015	74	14.08	87.30	5.5	33.45	8.0	25.0	0.27
F17	05 Nov 2015	75	13.97	86.99	5.4	33.46	8.0	25.0	0.26
F17	05 Nov 2015	76	13.81	87.00	5.2	33.48	8.0	25.1	0.25
F17	05 Nov 2015	77	13.79	86.98	5.2	33.49	8.0	25.1	0.24
F17	05 Nov 2015	78	13.79	86.80	5.2	33.49	8.0	25.1	0.24
F17	05 Nov 2015	79	13.78	86.54	5.2	33.49	8.0	25.1	0.25
F17	05 Nov 2015	80	13.78	86.48	5.2	33.49	8.0	25.1	0.25
F18	05 Nov 2015	1	19.96	89.79	7.3	33.47	8.2	23.6	0.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F18	05 Nov 2015	2	19.93	89.69	7.4	33.47	8.2	23.6	0.25
F18	05 Nov 2015	3	19.91	89.59	7.4	33.47	8.2	23.6	0.25
F18	05 Nov 2015	4	19.90	89.58	7.4	33.47	8.2	23.6	0.27
F18	05 Nov 2015	5	19.87	89.59	7.4	33.47	8.2	23.6	0.28
F18	05 Nov 2015	6	19.85	89.46	7.3	33.47	8.2	23.6	0.30
F18	05 Nov 2015	7	19.84	89.32	7.4	33.47	8.2	23.6	0.32
F18	05 Nov 2015	8	19.82	89.30	7.3	33.48	8.2	23.6	0.34
F18	05 Nov 2015	9	19.81	89.24	7.3	33.47	8.2	23.6	0.35
F18	05 Nov 2015	10	19.77	89.03	7.3	33.48	8.2	23.7	0.38
F18	05 Nov 2015	11	19.75	88.97	7.3	33.48	8.2	23.7	0.41
F18	05 Nov 2015	12	19.68	88.92	7.4	33.46	8.2	23.7	0.45
F18	05 Nov 2015	13	19.46	88.80	7.4	33.44	8.2	23.7	0.57
F18	05 Nov 2015	14	19.17	86.99	7.4	33.43	8.2	23.8	0.70
F18	05 Nov 2015	15	18.99	85.67	7.4	33.42	8.2	23.8	0.73
F18	05 Nov 2015	16	18.76	85.75	7.6	33.39	8.2	23.8	0.73
F18	05 Nov 2015	17	18.57	87.58	7.8	33.37	8.2	23.9	0.74
F18	05 Nov 2015	18	18.46	87.93	7.8	33.37	8.2	23.9	0.74
F18	05 Nov 2015	19	18.39	88.47	7.7	33.37	8.2	23.9	0.81
F18	05 Nov 2015	20	18.22	88.57	7.8	33.36	8.2	24.0	0.89
F18	05 Nov 2015	21	18.06	88.26	7.7	33.36	8.2	24.0	1.05
F18	05 Nov 2015	22	17.91	88.10	7.7	33.36	8.2	24.0	1.21
F18	05 Nov 2015	23	17.78	88.17	7.7	33.36	8.2	24.1	1.33
F18	05 Nov 2015	24	17.65	88.23	7.7	33.37	8.2	24.1	1.47
F18	05 Nov 2015	25	17.57	88.12	7.7	33.37	8.2	24.1	1.69
F18	05 Nov 2015	26	17.49	88.00	7.6	33.37	8.2	24.1	2.00
F18	05 Nov 2015	27	17.42	87.36	7.6	33.37	8.2	24.2	2.27
F18	05 Nov 2015	28	17.35	87.10	7.6	33.35	8.2	24.2	2.41
F18	05 Nov 2015	29	17.22	86.90	7.5	33.36	8.2	24.2	2.32
F18	05 Nov 2015	30	17.12	87.41	7.4	33.38	8.2	24.2	2.18
F18	05 Nov 2015	31	17.11	87.78	7.4	33.38	8.2	24.2	2.09
F18	05 Nov 2015	32	17.10	87.86	7.4	33.38	8.2	24.2	2.03
F18	05 Nov 2015	33	17.10	87.89	7.4	33.38	8.2	24.3	2.02
F18	05 Nov 2015	34	17.09	87.91	7.4	33.39	8.2	24.3	1.90
F18	05 Nov 2015	35	17.07	88.09	7.4	33.39	8.2	24.3	1.82
F18	05 Nov 2015	36	17.06	88.39	7.4	33.39	8.2	24.3	1.70
F18	05 Nov 2015	37	17.04	88.60	7.4	33.38	8.2	24.3	1.59
F18	05 Nov 2015	38	17.02	88.73	7.4	33.38	8.2	24.3	1.54
F18	05 Nov 2015	39	17.01	88.74	7.3	33.38	8.2	24.3	1.46
F18	05 Nov 2015	40	16.97	89.07	7.3	33.38	8.2	24.3	1.38
F18	05 Nov 2015	41	16.91	89.11	7.3	33.38	8.2	24.3	1.36
F18	05 Nov 2015	42	16.80	89.06	7.2	33.38	8.2	24.3	1.33
F18	05 Nov 2015	43	16.69	89.02	7.1	33.39	8.2	24.4	1.21
F18	05 Nov 2015	44	16.62	89.24	7.1	33.39	8.2	24.4	1.13
F18	05 Nov 2015	45	16.56	89.04	7.1	33.39	8.2	24.4	1.11
F18	05 Nov 2015	46	16.53	89.20	7.1	33.39	8.1	24.4	1.08
F18	05 Nov 2015	47	16.47	89.23	7.0	33.39	8.1	24.4	1.04
F18	05 Nov 2015	48	16.38	89.21	7.0	33.40	8.1	24.4	1.01
F18	05 Nov 2015	49	16.34	89.15	6.9	33.40	8.1	24.4	1.01
F18	05 Nov 2015	50	16.30	89.27	6.9	33.40	8.1	24.4	0.95
F18	05 Nov 2015	51	16.18	89.31	6.9	33.39	8.1	24.5	0.93
F18	05 Nov 2015	52	16.09	89.46	6.8	33.40	8.1	24.5	0.99
F18	05 Nov 2015	53	16.07	89.50	6.8	33.41	8.1	24.5	0.95
F18	05 Nov 2015	54	16.04	89.46	6.8	33.41	8.1	24.5	0.88
F18	05 Nov 2015	55	15.99	89.54	6.8	33.40	8.1	24.5	0.81
F18	05 Nov 2015	56	15.94	89.63	6.8	33.40	8.1	24.5	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F18	05 Nov 2015	57	15.90	89.63	6.7	33.40	8.1	24.5	0.72
F18	05 Nov 2015	58	15.86	89.59	6.7	33.40	8.1	24.6	0.69
F18	05 Nov 2015	59	15.83	89.64	6.7	33.40	8.1	24.6	0.66
F18	05 Nov 2015	60	15.80	89.63	6.7	33.41	8.1	24.6	0.64
F18	05 Nov 2015	61	15.77	89.66	6.6	33.41	8.1	24.6	0.63
F18	05 Nov 2015	62	15.74	89.67	6.6	33.41	8.1	24.6	0.61
F18	05 Nov 2015	63	15.70	89.69	6.6	33.41	8.1	24.6	0.61
F18	05 Nov 2015	64	15.63	89.61	6.6	33.41	8.1	24.6	0.62
F18	05 Nov 2015	65	15.56	89.54	6.6	33.42	8.1	24.6	0.61
F18	05 Nov 2015	66	15.49	89.84	6.5	33.42	8.1	24.6	0.55
F18	05 Nov 2015	67	15.45	89.58	6.4	33.42	8.1	24.7	0.52
F18	05 Nov 2015	68	15.40	89.25	6.3	33.42	8.1	24.7	0.51
F18	05 Nov 2015	69	15.30	88.79	6.2	33.42	8.1	24.7	0.48
F18	05 Nov 2015	70	15.17	88.00	6.2	33.43	8.1	24.7	0.46
F18	05 Nov 2015	71	15.08	87.46	6.2	33.44	8.1	24.8	0.45
F18	05 Nov 2015	72	15.06	87.86	6.1	33.44	8.1	24.8	0.43
F18	05 Nov 2015	73	14.83	86.22	5.9	33.45	8.1	24.8	0.40
F18	05 Nov 2015	74	14.79	85.50	5.9	33.45	8.1	24.8	0.39
F18	05 Nov 2015	75	14.72	84.92	5.8	33.46	8.0	24.8	0.38
F18	05 Nov 2015	76	14.70	83.99	5.8	33.46	8.0	24.9	0.37
F18	05 Nov 2015	77	14.67	83.50	5.8	33.46	8.0	24.9	0.37
F18	05 Nov 2015	78	14.63	82.30	5.8	33.47	8.0	24.9	0.37
F18	05 Nov 2015	79	14.63	82.13	5.8	33.47	8.0	24.9	0.37
F18	05 Nov 2015	80	14.61	81.65	5.8	33.47	8.0	24.9	0.36
F19	05 Nov 2015	1	19.94	89.20	7.3	33.47	8.2	23.6	0.26
F19	05 Nov 2015	2	19.94	89.55	7.4	33.47	8.2	23.6	0.27
F19	05 Nov 2015	3	19.95	89.64	7.4	33.47	8.2	23.6	0.25
F19	05 Nov 2015	4	19.95	89.29	7.4	33.47	8.2	23.6	0.25
F19	05 Nov 2015	5	19.93	89.05	7.3	33.47	8.2	23.6	0.24
F19	05 Nov 2015	6	19.93	89.34	7.3	33.47	8.2	23.6	0.25
F19	05 Nov 2015	7	19.92	89.22	7.3	33.47	8.2	23.6	0.25
F19	05 Nov 2015	8	19.91	89.01	7.4	33.47	8.2	23.6	0.27
F19	05 Nov 2015	9	19.89	88.96	7.3	33.47	8.2	23.6	0.29
F19	05 Nov 2015	10	19.88	89.47	7.3	33.47	8.2	23.6	0.31
F19	05 Nov 2015	11	19.86	89.40	7.4	33.47	8.2	23.6	0.31
F19	05 Nov 2015	12	19.85	89.26	7.3	33.47	8.2	23.6	0.32
F19	05 Nov 2015	13	19.84	89.09	7.4	33.47	8.2	23.6	0.34
F19	05 Nov 2015	14	19.82	89.34	7.4	33.47	8.2	23.6	0.35
F19	05 Nov 2015	15	19.80	89.45	7.3	33.47	8.2	23.6	0.36
F19	05 Nov 2015	16	19.78	89.51	7.3	33.47	8.2	23.6	0.38
F19	05 Nov 2015	17	19.72	89.41	7.4	33.46	8.2	23.7	0.39
F19	05 Nov 2015	18	19.65	89.30	7.4	33.45	8.2	23.7	0.42
F19	05 Nov 2015	19	19.44	89.32	7.4	33.40	8.2	23.7	0.47
F19	05 Nov 2015	20	18.84	89.25	7.7	33.31	8.2	23.8	0.52
F19	05 Nov 2015	21	18.64	88.82	7.8	33.31	8.2	23.8	0.59
F19	05 Nov 2015	22	18.34	88.96	7.8	33.28	8.2	23.9	0.71
F19	05 Nov 2015	23	17.83	88.71	7.9	33.28	8.2	24.0	0.93
F19	05 Nov 2015	24	17.64	88.20	8.0	33.27	8.2	24.0	1.09
F19	05 Nov 2015	25	17.62	88.10	8.0	33.28	8.2	24.0	1.17
F19	05 Nov 2015	26	17.60	87.83	8.0	33.28	8.2	24.0	1.24
F19	05 Nov 2015	27	17.56	87.93	8.0	33.28	8.2	24.1	1.31
F19	05 Nov 2015	28	17.55	88.02	8.0	33.28	8.2	24.1	1.33
F19	05 Nov 2015	29	17.53	88.06	8.0	33.29	8.2	24.1	1.34
F19	05 Nov 2015	30	17.53	88.09	7.9	33.29	8.2	24.1	1.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F19	05 Nov 2015	31	17.51	88.14	7.9	33.29	8.2	24.1	1.45
F19	05 Nov 2015	32	17.49	87.85	7.9	33.30	8.2	24.1	1.50
F19	05 Nov 2015	33	17.47	88.06	7.9	33.30	8.2	24.1	1.67
F19	05 Nov 2015	34	17.39	87.78	7.8	33.32	8.2	24.1	2.15
F19	05 Nov 2015	35	17.32	87.17	7.8	33.33	8.2	24.2	2.40
F19	05 Nov 2015	36	17.25	86.75	7.8	33.33	8.2	24.2	2.41
F19	05 Nov 2015	37	17.18	86.84	7.8	33.34	8.2	24.2	2.31
F19	05 Nov 2015	38	17.11	87.31	7.6	33.34	8.2	24.2	2.39
F19	05 Nov 2015	39	16.98	87.38	7.3	33.37	8.2	24.3	2.21
F19	05 Nov 2015	40	16.85	87.59	7.2	33.39	8.2	24.3	1.89
F19	05 Nov 2015	41	16.80	88.14	7.2	33.39	8.2	24.3	1.77
F19	05 Nov 2015	42	16.74	88.39	7.2	33.38	8.2	24.3	1.57
F19	05 Nov 2015	43	16.65	88.74	7.1	33.39	8.2	24.4	1.52
F19	05 Nov 2015	44	16.59	88.88	7.1	33.39	8.2	24.4	1.39
F19	05 Nov 2015	45	16.50	88.80	7.1	33.40	8.2	24.4	1.27
F19	05 Nov 2015	46	16.47	89.09	7.0	33.39	8.1	24.4	1.21
F19	05 Nov 2015	47	16.43	89.13	7.0	33.39	8.1	24.4	1.16
F19	05 Nov 2015	48	16.41	89.03	7.0	33.40	8.1	24.4	1.13
F19	05 Nov 2015	49	16.42	89.18	7.0	33.39	8.1	24.4	1.11
F19	05 Nov 2015	50	16.40	89.17	7.0	33.40	8.1	24.4	1.11
F19	05 Nov 2015	51	16.40	89.23	7.0	33.39	8.1	24.4	1.04
F19	05 Nov 2015	52	16.28	89.22	6.9	33.40	8.1	24.4	0.98
F19	05 Nov 2015	53	16.22	89.33	6.9	33.40	8.1	24.5	0.95
F19	05 Nov 2015	54	16.18	89.40	6.9	33.40	8.1	24.5	0.96
F19	05 Nov 2015	55	16.16	89.39	6.9	33.40	8.1	24.5	0.99
F19	05 Nov 2015	56	16.13	89.39	6.9	33.40	8.1	24.5	1.08
F19	05 Nov 2015	57	16.09	89.41	6.9	33.39	8.1	24.5	1.02
F19	05 Nov 2015	58	16.05	89.32	6.9	33.39	8.1	24.5	1.00
F19	05 Nov 2015	59	16.03	89.31	6.9	33.39	8.1	24.5	0.96
F19	05 Nov 2015	60	15.99	89.26	6.8	33.40	8.1	24.5	0.90
F19	05 Nov 2015	61	15.98	89.26	6.7	33.41	8.1	24.5	0.87
F19	05 Nov 2015	62	15.92	89.25	6.7	33.40	8.1	24.5	0.84
F19	05 Nov 2015	63	15.88	89.25	6.8	33.40	8.1	24.5	0.85
F19	05 Nov 2015	64	15.80	89.40	7.0	33.38	8.1	24.5	0.86
F19	05 Nov 2015	65	15.72	89.55	6.9	33.39	8.1	24.6	0.82
F19	05 Nov 2015	66	15.66	89.66	6.6	33.41	8.1	24.6	0.72
F19	05 Nov 2015	67	15.54	89.72	6.6	33.41	8.1	24.6	0.69
F19	05 Nov 2015	68	15.39	89.86	6.6	33.41	8.1	24.7	0.63
F19	05 Nov 2015	69	15.29	89.93	6.4	33.42	8.1	24.7	0.55
F19	05 Nov 2015	70	15.24	89.76	6.3	33.43	8.1	24.7	0.50
F19	05 Nov 2015	71	15.22	89.44	6.3	33.43	8.1	24.7	0.47
F19	05 Nov 2015	72	15.07	89.22	6.0	33.40	8.1	24.7	0.41
F19	05 Nov 2015	73	14.33	88.23	5.7	33.47	8.1	24.9	0.36
F19	05 Nov 2015	74	14.15	87.44	5.6	33.49	8.0	25.0	0.33
F19	05 Nov 2015	75	14.12	86.92	5.7	33.49	8.0	25.0	0.33
F19	05 Nov 2015	76	14.12	86.78	5.7	33.49	8.0	25.0	0.32
F19	05 Nov 2015	77	14.11	86.74	5.7	33.49	8.0	25.0	0.32
F19	05 Nov 2015	78	14.11	86.72	5.7	33.49	8.0	25.0	0.33
F19	05 Nov 2015	79	14.11	86.72	5.7	33.49	8.0	25.0	0.32
F19	05 Nov 2015	80	14.11	86.62	5.7	33.49	8.0	25.0	0.32
F19	05 Nov 2015	81	14.11	86.43	5.6	33.50	8.0	25.0	0.35
F19	05 Nov 2015	82	14.12	86.55	5.6	33.50	8.0	25.0	0.57
F20	05 Nov 2015	1	19.92	89.53	7.4	33.47	8.2	23.6	0.26
F20	05 Nov 2015	2	19.92	89.56	7.3	33.47	8.2	23.6	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F20	05 Nov 2015	3	19.91	89.66	7.4	33.47	8.2	23.6	0.24
F20	05 Nov 2015	4	19.91	89.70	7.4	33.47	8.2	23.6	0.24
F20	05 Nov 2015	5	19.90	89.72	7.4	33.47	8.2	23.6	0.25
F20	05 Nov 2015	6	19.89	89.68	7.4	33.47	8.2	23.6	0.26
F20	05 Nov 2015	7	19.88	89.70	7.4	33.46	8.2	23.6	0.26
F20	05 Nov 2015	8	19.87	89.70	7.3	33.46	8.2	23.6	0.28
F20	05 Nov 2015	9	19.87	89.69	7.4	33.47	8.2	23.6	0.28
F20	05 Nov 2015	10	19.86	89.70	7.4	33.46	8.2	23.6	0.29
F20	05 Nov 2015	11	19.86	89.68	7.4	33.46	8.2	23.6	0.30
F20	05 Nov 2015	12	19.85	89.68	7.4	33.46	8.2	23.6	0.30
F20	05 Nov 2015	13	19.85	89.45	7.4	33.46	8.2	23.6	0.31
F20	05 Nov 2015	14	19.84	89.52	7.4	33.47	8.2	23.6	0.32
F20	05 Nov 2015	15	19.81	89.60	7.4	33.46	8.2	23.6	0.34
F20	05 Nov 2015	16	19.69	89.61	7.4	33.43	8.2	23.6	0.35
F20	05 Nov 2015	17	19.59	89.57	7.5	33.42	8.2	23.7	0.36
F20	05 Nov 2015	18	19.57	89.41	7.5	33.41	8.2	23.7	0.37
F20	05 Nov 2015	19	19.48	89.54	7.5	33.39	8.2	23.7	0.39
F20	05 Nov 2015	20	19.37	89.36	7.6	33.37	8.2	23.7	0.41
F20	05 Nov 2015	21	19.26	89.31	7.6	33.36	8.2	23.7	0.45
F20	05 Nov 2015	22	18.89	89.29	7.7	33.30	8.2	23.8	0.49
F20	05 Nov 2015	23	18.22	89.16	7.9	33.24	8.2	23.9	0.59
F20	05 Nov 2015	24	18.08	89.03	7.9	33.26	8.2	23.9	0.66
F20	05 Nov 2015	25	17.91	88.93	8.0	33.25	8.2	24.0	0.78
F20	05 Nov 2015	26	17.84	88.45	8.0	33.27	8.2	24.0	0.89
F20	05 Nov 2015	27	17.76	88.50	8.0	33.27	8.2	24.0	0.99
F20	05 Nov 2015	28	17.56	88.40	8.0	33.26	8.2	24.0	1.12
F20	05 Nov 2015	29	17.44	88.30	8.0	33.27	8.2	24.1	1.20
F20	05 Nov 2015	30	17.42	88.33	7.9	33.28	8.2	24.1	1.29
F20	05 Nov 2015	31	17.35	88.35	8.0	33.29	8.2	24.1	1.35
F20	05 Nov 2015	32	17.30	88.41	8.0	33.30	8.2	24.1	1.36
F20	05 Nov 2015	33	17.18	88.66	7.9	33.31	8.2	24.2	1.56
F20	05 Nov 2015	34	17.08	88.58	7.6	33.35	8.2	24.2	2.04
F20	05 Nov 2015	35	16.99	87.61	7.3	33.38	8.2	24.3	2.07
F20	05 Nov 2015	36	16.92	87.70	7.3	33.38	8.2	24.3	1.95
F20	05 Nov 2015	37	16.80	88.19	7.2	33.39	8.2	24.3	1.75
F20	05 Nov 2015	38	16.77	88.49	7.2	33.39	8.2	24.3	1.76
F20	05 Nov 2015	39	16.77	88.60	7.2	33.39	8.2	24.3	1.72
F20	05 Nov 2015	40	16.72	88.61	7.2	33.39	8.2	24.3	1.71
F20	05 Nov 2015	41	16.71	88.63	7.2	33.39	8.2	24.3	1.67
F20	05 Nov 2015	42	16.65	88.75	7.1	33.39	8.2	24.4	1.57
F20	05 Nov 2015	43	16.63	88.81	7.1	33.39	8.2	24.4	1.47
F20	05 Nov 2015	44	16.59	88.93	7.1	33.39	8.2	24.4	1.40
F20	05 Nov 2015	45	16.55	89.02	7.1	33.39	8.1	24.4	1.30
F20	05 Nov 2015	46	16.48	89.11	7.0	33.40	8.1	24.4	1.24
F20	05 Nov 2015	47	16.45	89.08	7.0	33.40	8.1	24.4	1.21
F20	05 Nov 2015	48	16.40	89.13	7.0	33.39	8.1	24.4	1.10
F20	05 Nov 2015	49	16.25	89.27	6.9	33.40	8.1	24.5	1.02
F20	05 Nov 2015	50	16.24	89.31	6.9	33.40	8.1	24.5	0.95
F20	05 Nov 2015	51	16.19	89.35	6.9	33.40	8.1	24.5	0.93
F20	05 Nov 2015	52	16.15	89.41	6.9	33.40	8.1	24.5	0.99
F20	05 Nov 2015	53	16.13	89.45	6.9	33.40	8.1	24.5	1.05
F20	05 Nov 2015	54	16.09	89.40	7.0	33.39	8.1	24.5	1.08
F20	05 Nov 2015	55	16.02	89.41	7.1	33.38	8.1	24.5	1.09
F20	05 Nov 2015	56	16.00	89.43	7.1	33.37	8.1	24.5	1.10
F20	05 Nov 2015	57	15.86	89.52	7.3	33.35	8.1	24.5	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F20	05 Nov 2015	58	15.77	89.72	7.3	33.35	8.1	24.5	1.04
F20	05 Nov 2015	59	15.73	89.83	7.3	33.35	8.1	24.5	0.99
F20	05 Nov 2015	60	15.69	89.88	7.2	33.36	8.1	24.6	0.96
F20	05 Nov 2015	61	15.66	89.82	7.2	33.36	8.1	24.6	0.94
F20	05 Nov 2015	62	15.66	89.89	7.0	33.37	8.1	24.6	0.88
F20	05 Nov 2015	63	15.68	89.87	6.8	33.40	8.1	24.6	0.83
F20	05 Nov 2015	64	15.69	89.75	6.7	33.41	8.1	24.6	0.78
F20	05 Nov 2015	65	15.64	89.76	6.6	33.41	8.1	24.6	0.69
F20	05 Nov 2015	66	15.61	89.78	6.5	33.41	8.1	24.6	0.67
F20	05 Nov 2015	67	15.46	89.77	6.5	33.41	8.1	24.6	0.62
F20	05 Nov 2015	68	15.36	89.69	6.4	33.42	8.1	24.7	0.55
F20	05 Nov 2015	69	15.32	89.51	6.4	33.43	8.1	24.7	0.53
F20	05 Nov 2015	70	15.28	89.47	6.4	33.43	8.1	24.7	0.51
F20	05 Nov 2015	71	15.25	89.58	6.4	33.43	8.1	24.7	0.50
F20	05 Nov 2015	72	15.23	89.42	6.3	33.43	8.1	24.7	0.47
F20	05 Nov 2015	73	15.16	89.20	6.2	33.43	8.1	24.7	0.45
F20	05 Nov 2015	74	14.89	88.65	5.9	33.43	8.1	24.8	0.41
F20	05 Nov 2015	75	14.67	86.69	5.8	33.46	8.1	24.9	0.38
F20	05 Nov 2015	76	14.57	86.16	5.8	33.47	8.0	24.9	0.37
F20	05 Nov 2015	77	14.48	86.24	5.7	33.47	8.0	24.9	0.34
F20	05 Nov 2015	78	14.28	86.42	5.7	33.48	8.0	25.0	0.34
F20	05 Nov 2015	79	14.15	86.34	5.7	33.49	8.0	25.0	0.32
F20	05 Nov 2015	80	14.13	85.97	5.7	33.49	8.0	25.0	0.37
F20	05 Nov 2015	81	14.11	85.78	5.7	33.49	8.0	25.0	0.45
F21	05 Nov 2015	1	20.21	88.14	7.2	33.47	8.2	23.5	0.31
F21	05 Nov 2015	2	20.21	88.46	7.3	33.47	8.2	23.5	0.30
F21	05 Nov 2015	3	20.21	89.27	7.3	33.47	8.2	23.5	0.28
F21	05 Nov 2015	4	20.19	89.49	7.3	33.47	8.2	23.5	0.29
F21	05 Nov 2015	5	20.17	89.55	7.3	33.47	8.2	23.6	0.30
F21	05 Nov 2015	6	20.16	89.55	7.3	33.47	8.2	23.6	0.31
F21	05 Nov 2015	7	20.15	89.54	7.3	33.47	8.2	23.6	0.31
F21	05 Nov 2015	8	20.15	89.52	7.3	33.47	8.2	23.6	0.33
F21	05 Nov 2015	9	20.14	89.55	7.3	33.47	8.2	23.6	0.34
F21	05 Nov 2015	10	20.14	89.56	7.3	33.47	8.2	23.6	0.36
F21	05 Nov 2015	11	20.13	89.52	7.3	33.47	8.2	23.6	0.35
F21	05 Nov 2015	12	20.09	88.53	7.4	33.47	8.2	23.6	0.37
F21	05 Nov 2015	13	20.11	89.22	7.3	33.47	8.2	23.6	0.38
F21	05 Nov 2015	14	20.07	89.35	7.3	33.46	8.2	23.6	0.36
F21	05 Nov 2015	15	20.03	89.46	7.3	33.46	8.2	23.6	0.36
F21	05 Nov 2015	16	19.98	89.22	7.3	33.46	8.2	23.6	0.36
F21	05 Nov 2015	17	19.93	89.52	7.3	33.41	8.2	23.6	0.38
F21	05 Nov 2015	18	19.21	89.59	7.6	33.33	8.2	23.7	0.42
F21	05 Nov 2015	19	18.89	89.42	7.8	33.32	8.2	23.8	0.45
F21	05 Nov 2015	20	18.47	89.41	7.9	33.23	8.2	23.8	0.49
F21	05 Nov 2015	21	17.94	89.23	8.1	33.20	8.2	23.9	0.56
F21	05 Nov 2015	22	17.85	89.21	8.2	33.19	8.2	23.9	0.57
F21	05 Nov 2015	23	17.79	89.22	8.1	33.17	8.2	23.9	0.57
F21	05 Nov 2015	24	17.71	89.38	8.2	33.16	8.2	23.9	0.58
F21	05 Nov 2015	25	17.68	89.40	8.2	33.15	8.2	23.9	0.56
F21	05 Nov 2015	26	17.57	89.55	8.2	33.14	8.2	23.9	0.56
F21	05 Nov 2015	27	17.44	89.60	8.2	33.14	8.2	24.0	0.57
F21	05 Nov 2015	28	17.32	89.72	8.1	33.18	8.2	24.0	0.63
F21	05 Nov 2015	29	17.25	89.87	8.1	33.21	8.2	24.1	0.67
F21	05 Nov 2015	30	17.24	89.77	8.1	33.23	8.2	24.1	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F21	05 Nov 2015	31	17.23	89.75	8.0	33.26	8.2	24.1	0.91
F21	05 Nov 2015	32	17.09	89.65	7.9	33.30	8.2	24.2	1.27
F21	05 Nov 2015	33	16.99	89.15	7.8	33.32	8.2	24.2	1.75
F21	05 Nov 2015	34	16.98	88.61	7.7	33.36	8.2	24.3	2.15
F21	05 Nov 2015	35	16.98	88.40	7.6	33.37	8.2	24.3	2.38
F21	05 Nov 2015	36	16.95	87.63	7.5	33.37	8.2	24.3	2.33
F21	05 Nov 2015	37	16.92	87.59	7.3	33.38	8.2	24.3	2.17
F21	05 Nov 2015	38	16.88	87.75	7.2	33.38	8.2	24.3	1.96
F21	05 Nov 2015	39	16.75	87.98	7.2	33.38	8.2	24.3	1.81
F21	05 Nov 2015	40	16.64	88.04	7.2	33.39	8.2	24.4	1.79
F21	05 Nov 2015	41	16.56	88.23	7.1	33.39	8.2	24.4	1.55
F21	05 Nov 2015	42	16.50	88.82	7.0	33.40	8.2	24.4	1.37
F21	05 Nov 2015	43	16.47	88.95	7.0	33.40	8.2	24.4	1.25
F21	05 Nov 2015	44	16.37	88.99	7.0	33.39	8.1	24.4	1.13
F21	05 Nov 2015	45	16.26	89.15	6.9	33.40	8.1	24.5	1.06
F21	05 Nov 2015	46	16.24	89.30	6.9	33.40	8.1	24.5	0.97
F21	05 Nov 2015	47	16.16	89.35	6.9	33.40	8.1	24.5	0.93
F21	05 Nov 2015	48	16.13	89.40	6.9	33.40	8.1	24.5	0.96
F21	05 Nov 2015	49	16.13	89.41	6.9	33.40	8.1	24.5	1.02
F21	05 Nov 2015	50	16.12	89.28	6.9	33.41	8.1	24.5	1.04
F21	05 Nov 2015	51	16.10	89.37	6.9	33.40	8.1	24.5	1.05
F21	05 Nov 2015	52	15.98	89.30	6.9	33.38	8.1	24.5	1.00
F21	05 Nov 2015	53	15.93	89.06	6.9	33.40	8.1	24.5	0.95
F21	05 Nov 2015	54	15.93	89.24	6.8	33.40	8.1	24.5	0.93
F21	05 Nov 2015	55	15.93	89.25	6.8	33.41	8.1	24.5	0.91
F21	05 Nov 2015	56	15.92	89.17	6.8	33.41	8.1	24.5	0.86
F21	05 Nov 2015	57	15.91	89.36	6.7	33.41	8.1	24.5	0.83
F21	05 Nov 2015	58	15.86	89.26	6.7	33.40	8.1	24.6	0.77
F21	05 Nov 2015	59	15.74	89.37	6.6	33.42	8.1	24.6	0.72
F21	05 Nov 2015	60	15.65	89.60	6.5	33.42	8.1	24.6	0.65
F21	05 Nov 2015	61	15.60	89.55	6.6	33.42	8.1	24.6	0.62
F21	05 Nov 2015	62	15.57	89.73	6.6	33.41	8.1	24.6	0.58
F21	05 Nov 2015	63	15.50	89.84	6.5	33.42	8.1	24.6	0.55
F21	05 Nov 2015	64	15.48	89.79	6.5	33.42	8.1	24.7	0.54
F21	05 Nov 2015	65	15.45	89.85	6.5	33.42	8.1	24.7	0.53
F21	05 Nov 2015	66	15.39	89.72	6.4	33.42	8.1	24.7	0.52
F21	05 Nov 2015	67	15.31	89.82	6.4	33.42	8.1	24.7	0.51
F21	05 Nov 2015	68	15.24	89.72	6.3	33.43	8.1	24.7	0.48
F21	05 Nov 2015	69	15.18	89.84	6.3	33.44	8.1	24.7	0.47
F21	05 Nov 2015	70	15.18	89.90	6.3	33.44	8.1	24.7	0.44
F21	05 Nov 2015	71	15.07	89.89	6.2	33.43	8.1	24.7	0.41
F21	05 Nov 2015	72	14.97	89.68	6.1	33.45	8.1	24.8	0.39
F21	05 Nov 2015	73	14.90	89.71	6.0	33.45	8.1	24.8	0.37
F21	05 Nov 2015	74	14.76	89.44	6.0	33.45	8.1	24.8	0.36
F21	05 Nov 2015	75	14.65	89.34	5.9	33.46	8.1	24.9	0.35
F21	05 Nov 2015	76	14.58	89.29	5.9	33.46	8.0	24.9	0.35
F21	05 Nov 2015	77	14.46	89.23	5.9	33.47	8.0	24.9	0.34
F21	05 Nov 2015	78	14.38	89.46	5.9	33.47	8.0	24.9	0.32
F21	05 Nov 2015	79	14.29	89.42	5.8	33.48	8.0	25.0	0.33
F21	05 Nov 2015	80	14.24	88.84	5.8	33.48	8.0	25.0	0.32
F21	05 Nov 2015	81	14.18	88.35	5.7	33.48	8.0	25.0	0.33
F21	05 Nov 2015	82	14.17	87.79	5.7	33.48	8.0	25.0	0.46
F22	05 Nov 2015	1	20.26	89.56	7.3	33.48	8.2	23.5	0.27
F22	05 Nov 2015	2	20.26	89.57	7.3	33.48	8.2	23.5	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F22	05 Nov 2015	3	20.25	89.64	7.3	33.48	8.2	23.5	0.27
F22	05 Nov 2015	4	20.25	89.66	7.3	33.48	8.2	23.5	0.29
F22	05 Nov 2015	5	20.24	89.63	7.3	33.48	8.2	23.5	0.30
F22	05 Nov 2015	6	20.24	89.63	7.3	33.48	8.2	23.5	0.32
F22	05 Nov 2015	7	20.23	89.65	7.3	33.48	8.2	23.5	0.32
F22	05 Nov 2015	8	20.22	89.63	7.3	33.48	8.2	23.5	0.33
F22	05 Nov 2015	9	20.22	89.57	7.3	33.48	8.2	23.5	0.34
F22	05 Nov 2015	10	20.21	89.59	7.3	33.48	8.2	23.5	0.35
F22	05 Nov 2015	11	20.20	89.57	7.3	33.48	8.2	23.5	0.36
F22	05 Nov 2015	12	20.17	89.61	7.3	33.47	8.2	23.6	0.37
F22	05 Nov 2015	13	20.16	89.62	7.3	33.47	8.2	23.6	0.37
F22	05 Nov 2015	14	20.15	89.60	7.3	33.47	8.2	23.6	0.36
F22	05 Nov 2015	15	20.07	89.62	7.3	33.46	8.2	23.6	0.37
F22	05 Nov 2015	16	19.60	89.77	7.5	33.36	8.2	23.6	0.38
F22	05 Nov 2015	17	19.23	89.69	7.7	33.36	8.2	23.7	0.41
F22	05 Nov 2015	18	19.25	89.63	7.6	33.36	8.2	23.7	0.43
F22	05 Nov 2015	19	18.57	89.61	7.8	33.21	8.2	23.8	0.50
F22	05 Nov 2015	20	17.93	89.31	8.1	33.20	8.2	23.9	0.55
F22	05 Nov 2015	21	17.82	89.30	8.1	33.20	8.2	23.9	0.59
F22	05 Nov 2015	22	17.69	89.15	8.1	33.18	8.2	24.0	0.64
F22	05 Nov 2015	23	17.49	89.16	8.2	33.19	8.2	24.0	0.68
F22	05 Nov 2015	24	17.42	89.31	8.1	33.19	8.2	24.0	0.68
F22	05 Nov 2015	25	17.35	89.43	8.1	33.19	8.2	24.0	0.78
F22	05 Nov 2015	26	17.22	89.52	8.0	33.25	8.2	24.1	1.00
F22	05 Nov 2015	27	17.20	89.17	8.0	33.29	8.2	24.2	1.15
F22	05 Nov 2015	28	17.17	88.79	7.9	33.29	8.2	24.2	1.35
F22	05 Nov 2015	29	17.11	88.71	7.8	33.32	8.2	24.2	1.61
F22	05 Nov 2015	30	17.07	88.43	7.7	33.33	8.2	24.2	1.86
F22	05 Nov 2015	31	17.05	88.11	7.6	33.35	8.2	24.2	2.01
F22	05 Nov 2015	32	17.04	87.75	7.4	33.37	8.2	24.3	2.13
F22	05 Nov 2015	33	17.02	87.71	7.3	33.38	8.2	24.3	2.15
F22	05 Nov 2015	34	17.03	87.57	7.3	33.39	8.2	24.3	2.19
F22	05 Nov 2015	35	17.01	87.68	7.2	33.39	8.2	24.3	2.20
F22	05 Nov 2015	36	16.96	87.78	7.2	33.39	8.2	24.3	2.17
F22	05 Nov 2015	37	16.91	87.87	7.2	33.39	8.2	24.3	2.13
F22	05 Nov 2015	38	16.82	87.94	7.3	33.38	8.2	24.3	2.03
F22	05 Nov 2015	39	16.68	88.22	7.3	33.38	8.2	24.3	1.94
F22	05 Nov 2015	40	16.65	88.25	7.2	33.38	8.2	24.4	1.67
F22	05 Nov 2015	41	16.55	88.71	7.1	33.39	8.2	24.4	1.45
F22	05 Nov 2015	42	16.46	88.84	7.0	33.39	8.2	24.4	1.25
F22	05 Nov 2015	43	16.31	89.14	7.0	33.40	8.2	24.4	1.13
F22	05 Nov 2015	44	16.31	89.28	7.0	33.40	8.1	24.4	1.06
F22	05 Nov 2015	45	16.29	89.29	7.0	33.40	8.1	24.4	1.03
F22	05 Nov 2015	46	16.29	89.33	7.0	33.40	8.1	24.4	1.00
F22	05 Nov 2015	47	16.25	89.36	7.0	33.39	8.1	24.5	0.95
F22	05 Nov 2015	48	16.22	89.41	7.0	33.40	8.1	24.5	0.92
F22	05 Nov 2015	49	16.20	89.41	6.9	33.40	8.1	24.5	0.87
F22	05 Nov 2015	50	16.15	89.47	6.9	33.40	8.1	24.5	0.84
F22	05 Nov 2015	51	16.12	89.54	6.8	33.40	8.1	24.5	0.81
F22	05 Nov 2015	52	16.07	89.56	6.8	33.40	8.1	24.5	0.79
F22	05 Nov 2015	53	16.02	89.56	6.8	33.40	8.1	24.5	0.77
F22	05 Nov 2015	54	15.99	89.56	6.8	33.40	8.1	24.5	0.76
F22	05 Nov 2015	55	15.95	89.53	6.8	33.41	8.1	24.5	0.76
F22	05 Nov 2015	56	15.87	89.63	6.7	33.41	8.1	24.6	0.76
F22	05 Nov 2015	57	15.82	89.69	6.7	33.41	8.1	24.6	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F22	05 Nov 2015	58	15.80	89.74	6.7	33.41	8.1	24.6	0.71
F22	05 Nov 2015	59	15.78	89.77	6.7	33.41	8.1	24.6	0.67
F22	05 Nov 2015	60	15.74	89.79	6.7	33.41	8.1	24.6	0.64
F22	05 Nov 2015	61	15.71	89.76	6.6	33.40	8.1	24.6	0.59
F22	05 Nov 2015	62	15.63	89.66	6.6	33.40	8.1	24.6	0.56
F22	05 Nov 2015	63	15.54	89.71	6.5	33.41	8.1	24.6	0.55
F22	05 Nov 2015	64	15.49	89.85	6.5	33.42	8.1	24.6	0.54
F22	05 Nov 2015	65	15.46	89.91	6.5	33.42	8.1	24.7	0.53
F22	05 Nov 2015	66	15.43	89.93	6.4	33.42	8.1	24.7	0.50
F22	05 Nov 2015	67	15.37	89.92	6.4	33.43	8.1	24.7	0.48
F22	05 Nov 2015	68	15.33	89.91	6.4	33.42	8.1	24.7	0.47
F22	05 Nov 2015	69	15.25	89.96	6.4	33.43	8.1	24.7	0.46
F22	05 Nov 2015	70	15.22	89.90	6.3	33.43	8.1	24.7	0.46
F22	05 Nov 2015	71	15.19	89.82	6.3	33.44	8.1	24.7	0.45
F22	05 Nov 2015	72	15.17	89.81	6.3	33.44	8.1	24.7	0.43
F22	05 Nov 2015	73	15.14	89.85	6.3	33.44	8.1	24.7	0.43
F22	05 Nov 2015	74	15.10	89.85	6.3	33.44	8.1	24.7	0.43
F22	05 Nov 2015	75	15.07	89.90	6.2	33.44	8.1	24.8	0.41
F22	05 Nov 2015	76	14.97	89.87	6.0	33.43	8.1	24.8	0.38
F22	05 Nov 2015	77	14.68	89.11	5.9	33.44	8.1	24.8	0.36
F22	05 Nov 2015	78	14.43	88.11	5.8	33.46	8.1	24.9	0.34
F22	05 Nov 2015	79	14.28	87.45	5.7	33.47	8.0	24.9	0.95
F22	05 Nov 2015	80	14.23	85.74	5.7	33.40	8.0	24.9	2.26
F23	05 Nov 2015	1	20.42	89.67	7.2	33.48	8.2	23.5	0.23
F23	05 Nov 2015	2	20.41	89.97	7.2	33.48	8.2	23.5	0.23
F23	05 Nov 2015	3	20.41	90.05	7.2	33.48	8.2	23.5	0.24
F23	05 Nov 2015	4	20.41	90.04	7.2	33.48	8.2	23.5	0.25
F23	05 Nov 2015	5	20.41	90.06	7.3	33.48	8.2	23.5	0.25
F23	05 Nov 2015	6	20.41	90.05	7.2	33.48	8.2	23.5	0.25
F23	05 Nov 2015	7	20.41	90.05	7.2	33.48	8.2	23.5	0.26
F23	05 Nov 2015	8	20.41	90.03	7.2	33.48	8.2	23.5	0.27
F23	05 Nov 2015	9	20.41	89.92	7.3	33.48	8.2	23.5	0.27
F23	05 Nov 2015	10	20.41	89.95	7.2	33.48	8.2	23.5	0.28
F23	05 Nov 2015	11	20.40	90.00	7.2	33.48	8.2	23.5	0.30
F23	05 Nov 2015	12	20.40	90.03	7.3	33.48	8.2	23.5	0.31
F23	05 Nov 2015	13	20.40	90.02	7.3	33.48	8.2	23.5	0.31
F23	05 Nov 2015	14	20.39	90.03	7.3	33.48	8.2	23.5	0.33
F23	05 Nov 2015	15	20.37	90.00	7.3	33.47	8.2	23.5	0.35
F23	05 Nov 2015	16	20.33	89.99	7.3	33.47	8.2	23.5	0.36
F23	05 Nov 2015	17	20.19	89.96	7.3	33.45	8.2	23.5	0.38
F23	05 Nov 2015	18	20.13	89.87	7.4	33.45	8.2	23.5	0.39
F23	05 Nov 2015	19	19.90	89.79	7.4	33.41	8.2	23.6	0.41
F23	05 Nov 2015	20	19.67	89.78	7.5	33.38	8.2	23.6	0.43
F23	05 Nov 2015	21	19.20	89.74	7.7	33.34	8.2	23.7	0.44
F23	05 Nov 2015	22	19.08	89.74	7.6	33.30	8.2	23.7	0.49
F23	05 Nov 2015	23	18.01	89.67	8.0	33.20	8.2	23.9	0.58
F23	05 Nov 2015	24	17.48	89.41	8.1	33.18	8.2	24.0	0.63
F23	05 Nov 2015	25	17.27	89.51	8.2	33.19	8.2	24.1	0.70
F23	05 Nov 2015	26	17.18	89.55	8.0	33.27	8.2	24.1	1.18
F23	05 Nov 2015	27	17.09	89.23	7.8	33.33	8.2	24.2	1.82
F23	05 Nov 2015	28	17.04	87.79	7.6	33.35	8.2	24.2	2.15
F23	05 Nov 2015	29	16.97	87.32	7.6	33.37	8.2	24.3	2.22
F23	05 Nov 2015	30	16.96	87.86	7.6	33.36	8.2	24.3	2.23
F23	05 Nov 2015	31	16.89	87.67	7.5	33.37	8.2	24.3	2.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F23	05 Nov 2015	32	16.72	87.80	7.4	33.36	8.2	24.3	2.12
F23	05 Nov 2015	33	16.61	88.14	7.3	33.38	8.2	24.4	2.06
F23	05 Nov 2015	34	16.58	88.13	7.3	33.38	8.2	24.4	2.01
F23	05 Nov 2015	35	16.56	88.37	7.3	33.39	8.2	24.4	1.98
F23	05 Nov 2015	36	16.55	88.45	7.3	33.39	8.2	24.4	1.96
F23	05 Nov 2015	37	16.54	88.53	7.2	33.39	8.2	24.4	1.87
F23	05 Nov 2015	38	16.51	88.58	7.2	33.39	8.2	24.4	1.67
F23	05 Nov 2015	39	16.49	88.78	7.1	33.39	8.2	24.4	1.54
F23	05 Nov 2015	40	16.49	88.87	7.1	33.39	8.2	24.4	1.44
F23	05 Nov 2015	41	16.46	88.98	7.0	33.39	8.2	24.4	1.33
F23	05 Nov 2015	42	16.33	89.00	7.0	33.40	8.2	24.4	1.14
F23	05 Nov 2015	43	16.27	89.23	7.0	33.40	8.1	24.5	1.07
F23	05 Nov 2015	44	16.27	89.10	6.9	33.40	8.1	24.5	1.04
F23	05 Nov 2015	45	16.25	89.29	7.0	33.40	8.1	24.5	0.99
F23	05 Nov 2015	46	16.25	89.30	7.0	33.40	8.1	24.5	0.98
F23	05 Nov 2015	47	16.24	89.36	7.0	33.40	8.1	24.5	0.97
F23	05 Nov 2015	48	16.24	89.38	7.0	33.40	8.1	24.5	0.95
F23	05 Nov 2015	49	16.20	89.39	6.9	33.40	8.1	24.5	0.87
F23	05 Nov 2015	50	16.06	89.52	6.8	33.40	8.1	24.5	0.80
F23	05 Nov 2015	51	16.03	89.57	6.8	33.40	8.1	24.5	0.78
F23	05 Nov 2015	52	16.02	89.59	6.8	33.40	8.1	24.5	0.77
F23	05 Nov 2015	53	16.01	89.55	6.8	33.40	8.1	24.5	0.76
F23	05 Nov 2015	54	16.02	89.54	6.8	33.40	8.1	24.5	0.77
F23	05 Nov 2015	55	15.97	89.55	6.7	33.40	8.1	24.5	0.75
F23	05 Nov 2015	56	15.88	89.59	6.7	33.41	8.1	24.6	0.73
F23	05 Nov 2015	57	15.84	89.64	6.7	33.41	8.1	24.6	0.71
F23	05 Nov 2015	58	15.80	89.70	6.7	33.41	8.1	24.6	0.69
F23	05 Nov 2015	59	15.78	89.73	6.7	33.41	8.1	24.6	0.67
F23	05 Nov 2015	60	15.76	89.75	6.7	33.41	8.1	24.6	0.64
F23	05 Nov 2015	61	15.67	89.75	6.5	33.40	8.1	24.6	0.62
F23	05 Nov 2015	62	15.49	89.79	6.5	33.42	8.1	24.6	0.58
F23	05 Nov 2015	63	15.35	89.91	6.4	33.42	8.1	24.7	0.53
F23	05 Nov 2015	64	15.24	89.95	6.3	33.43	8.1	24.7	0.48
F23	05 Nov 2015	65	15.11	90.00	6.3	33.44	8.1	24.7	0.45
F23	05 Nov 2015	66	15.01	90.06	6.2	33.44	8.1	24.8	0.42
F23	05 Nov 2015	67	14.91	90.01	6.1	33.45	8.1	24.8	0.39
F23	05 Nov 2015	68	14.89	89.79	6.1	33.45	8.1	24.8	0.38
F23	05 Nov 2015	69	14.89	89.70	6.1	33.46	8.1	24.8	0.38
F23	05 Nov 2015	70	14.88	89.75	6.1	33.46	8.1	24.8	0.38
F23	05 Nov 2015	71	14.88	89.78	6.1	33.46	8.1	24.8	0.37
F23	05 Nov 2015	72	14.87	89.72	6.1	33.46	8.1	24.8	0.37
F23	05 Nov 2015	73	14.86	89.68	6.0	33.46	8.1	24.8	0.36
F23	05 Nov 2015	74	14.76	89.69	5.9	33.45	8.1	24.8	0.35
F23	05 Nov 2015	75	14.51	89.02	5.9	33.47	8.1	24.9	0.34
F23	05 Nov 2015	76	14.46	88.00	5.8	33.47	8.0	24.9	0.33
F23	05 Nov 2015	77	14.44	87.75	5.8	33.48	8.0	24.9	0.34
F23	05 Nov 2015	78	14.38	87.53	5.8	33.48	8.0	24.9	0.33
F23	05 Nov 2015	79	14.27	87.30	5.7	33.48	8.0	25.0	0.33
F23	05 Nov 2015	80	14.08	87.07	5.6	33.49	8.0	25.0	0.31
F23	05 Nov 2015	81	13.94	87.21	5.6	33.49	8.0	25.0	0.32
F24	05 Nov 2015	1	20.37	89.64	7.3	33.48	8.2	23.5	0.25
F24	05 Nov 2015	2	20.37	89.85	7.2	33.48	8.2	23.5	0.26
F24	05 Nov 2015	3	20.37	90.00	7.3	33.48	8.2	23.5	0.26
F24	05 Nov 2015	4	20.37	90.00	7.3	33.48	8.2	23.5	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F24	05 Nov 2015	5	20.36	90.01	7.3	33.48	8.2	23.5	0.28
F24	05 Nov 2015	6	20.36	90.01	7.3	33.48	8.2	23.5	0.28
F24	05 Nov 2015	7	20.36	90.00	7.3	33.48	8.2	23.5	0.30
F24	05 Nov 2015	8	20.35	90.00	7.3	33.48	8.2	23.5	0.31
F24	05 Nov 2015	9	20.35	90.00	7.3	33.48	8.2	23.5	0.31
F24	05 Nov 2015	10	20.34	89.97	7.3	33.48	8.2	23.5	0.33
F24	05 Nov 2015	11	20.33	89.95	7.3	33.48	8.2	23.5	0.33
F24	05 Nov 2015	12	20.34	89.94	7.3	33.48	8.2	23.5	0.34
F24	05 Nov 2015	13	20.33	89.94	7.3	33.48	8.2	23.5	0.35
F24	05 Nov 2015	14	20.32	89.95	7.3	33.48	8.2	23.5	0.36
F24	05 Nov 2015	15	20.27	89.91	7.3	33.47	8.2	23.5	0.38
F24	05 Nov 2015	16	20.02	89.87	7.4	33.41	8.2	23.5	0.41
F24	05 Nov 2015	17	19.70	89.79	7.5	33.39	8.2	23.6	0.43
F24	05 Nov 2015	18	19.36	89.78	7.5	33.34	8.2	23.7	0.46
F24	05 Nov 2015	19	18.70	89.72	7.7	33.22	8.2	23.7	0.55
F24	05 Nov 2015	20	17.80	89.54	8.1	33.20	8.2	23.9	0.66
F24	05 Nov 2015	21	17.58	89.11	8.1	33.22	8.2	24.0	0.74
F24	05 Nov 2015	22	17.47	89.03	8.2	33.22	8.2	24.0	0.76
F24	05 Nov 2015	23	17.37	89.18	8.1	33.20	8.2	24.0	0.76
F24	05 Nov 2015	24	17.14	89.41	8.1	33.21	8.2	24.1	0.90
F24	05 Nov 2015	25	17.11	89.38	8.0	33.29	8.2	24.2	1.08
F24	05 Nov 2015	26	17.12	89.02	7.9	33.31	8.2	24.2	1.36
F24	05 Nov 2015	27	17.08	88.82	7.8	33.34	8.2	24.2	1.93
F24	05 Nov 2015	28	17.03	87.97	7.7	33.36	8.2	24.3	2.45
F24	05 Nov 2015	29	16.97	87.39	7.6	33.36	8.2	24.3	2.68
F24	05 Nov 2015	30	16.77	86.86	7.4	33.37	8.2	24.3	2.46
F24	05 Nov 2015	31	16.72	87.61	7.4	33.38	8.2	24.3	2.31
F24	05 Nov 2015	32	16.68	88.01	7.3	33.38	8.2	24.3	2.22
F24	05 Nov 2015	33	16.64	88.12	7.3	33.38	8.2	24.4	2.14
F24	05 Nov 2015	34	16.60	88.22	7.3	33.38	8.2	24.4	1.93
F24	05 Nov 2015	35	16.56	88.50	7.2	33.38	8.2	24.4	1.71
F24	05 Nov 2015	36	16.54	88.67	7.2	33.39	8.2	24.4	1.59
F24	05 Nov 2015	37	16.53	88.82	7.2	33.39	8.2	24.4	1.48
F24	05 Nov 2015	38	16.51	88.89	7.1	33.39	8.2	24.4	1.38
F24	05 Nov 2015	39	16.40	88.95	7.1	33.38	8.2	24.4	1.29
F24	05 Nov 2015	40	16.34	89.12	7.0	33.39	8.1	24.4	1.18
F24	05 Nov 2015	41	16.29	89.24	7.0	33.40	8.1	24.4	1.10
F24	05 Nov 2015	42	16.25	89.32	7.0	33.40	8.1	24.5	1.03
F24	05 Nov 2015	43	16.22	89.36	6.9	33.40	8.1	24.5	0.99
F24	05 Nov 2015	44	16.19	89.42	6.9	33.40	8.1	24.5	0.96
F24	05 Nov 2015	45	16.18	89.44	6.9	33.40	8.1	24.5	0.93
F24	05 Nov 2015	46	16.12	89.37	6.9	33.40	8.1	24.5	0.87
F24	05 Nov 2015	47	16.10	89.30	6.8	33.40	8.1	24.5	0.86
F24	05 Nov 2015	48	16.09	89.44	6.8	33.40	8.1	24.5	0.82
F24	05 Nov 2015	49	16.03	89.53	6.8	33.40	8.1	24.5	0.77
F24	05 Nov 2015	50	16.01	89.54	6.8	33.40	8.1	24.5	0.77
F24	05 Nov 2015	51	16.00	89.47	6.8	33.40	8.1	24.5	0.76
F24	05 Nov 2015	52	15.96	89.54	6.8	33.40	8.1	24.5	0.76
F24	05 Nov 2015	53	15.92	89.58	6.7	33.40	8.1	24.5	0.72
F24	05 Nov 2015	54	15.87	89.63	6.8	33.40	8.1	24.5	0.71
F24	05 Nov 2015	55	15.90	89.58	6.7	33.40	8.1	24.5	0.70
F24	05 Nov 2015	56	15.81	89.61	6.6	33.40	8.1	24.6	0.67
F24	05 Nov 2015	57	15.67	89.57	6.6	33.40	8.1	24.6	0.62
F24	05 Nov 2015	58	15.47	89.75	6.5	33.41	8.1	24.6	0.60
F24	05 Nov 2015	59	15.30	89.84	6.5	33.42	8.1	24.7	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F24	05 Nov 2015	60	15.19	89.99	6.4	33.42	8.1	24.7	0.55
F24	05 Nov 2015	61	15.14	90.01	6.4	33.43	8.1	24.7	0.52
F24	05 Nov 2015	62	15.06	90.04	6.3	33.43	8.1	24.7	0.47
F24	05 Nov 2015	63	14.93	90.12	6.2	33.45	8.1	24.8	0.43
F24	05 Nov 2015	64	14.88	90.12	6.1	33.45	8.1	24.8	0.40
F24	05 Nov 2015	65	14.83	90.10	6.0	33.46	8.1	24.8	0.38
F24	05 Nov 2015	66	14.78	90.06	6.0	33.46	8.1	24.8	0.37
F24	05 Nov 2015	67	14.76	90.04	6.0	33.47	8.1	24.8	0.37
F24	05 Nov 2015	68	14.75	90.09	6.0	33.47	8.1	24.8	0.37
F24	05 Nov 2015	69	14.75	90.05	6.0	33.47	8.1	24.8	0.36
F24	05 Nov 2015	70	14.75	89.96	6.0	33.47	8.1	24.8	0.36
F24	05 Nov 2015	71	14.75	90.01	6.0	33.47	8.1	24.8	0.36
F24	05 Nov 2015	72	14.75	90.00	6.0	33.47	8.1	24.8	0.37
F24	05 Nov 2015	73	14.74	89.99	6.0	33.47	8.1	24.9	0.36
F24	05 Nov 2015	74	14.74	89.97	6.0	33.47	8.1	24.9	0.35
F24	05 Nov 2015	75	14.73	89.96	6.0	33.47	8.1	24.9	0.35
F24	05 Nov 2015	76	14.71	89.76	6.0	33.47	8.0	24.9	0.35
F24	05 Nov 2015	77	14.69	89.45	5.9	33.47	8.0	24.9	0.35
F24	05 Nov 2015	78	14.65	89.39	5.9	33.48	8.0	24.9	0.35
F24	05 Nov 2015	79	14.64	89.54	5.8	33.48	8.0	24.9	0.39
F24	05 Nov 2015	80	14.39	88.70	5.7	33.45	8.0	24.9	1.67
F24	05 Nov 2015	81	14.24	86.35	5.6	33.33	8.0	24.8	2.16
F25	05 Nov 2015	1	20.32	89.88	7.3	33.48	8.2	23.5	0.26
F25	05 Nov 2015	2	20.32	89.70	7.3	33.48	8.2	23.5	0.27
F25	05 Nov 2015	3	20.32	89.98	7.3	33.48	8.2	23.5	0.28
F25	05 Nov 2015	4	20.32	89.98	7.3	33.48	8.2	23.5	0.29
F25	05 Nov 2015	5	20.32	89.97	7.3	33.48	8.2	23.5	0.30
F25	05 Nov 2015	6	20.31	89.96	7.3	33.48	8.2	23.5	0.29
F25	05 Nov 2015	7	20.32	89.97	7.3	33.48	8.2	23.5	0.31
F25	05 Nov 2015	8	20.31	89.98	7.3	33.48	8.2	23.5	0.31
F25	05 Nov 2015	9	20.31	89.98	7.3	33.47	8.2	23.5	0.33
F25	05 Nov 2015	10	20.31	89.98	7.3	33.47	8.2	23.5	0.34
F25	05 Nov 2015	11	20.31	89.94	7.3	33.47	8.2	23.5	0.34
F25	05 Nov 2015	12	20.29	89.90	7.3	33.47	8.2	23.5	0.36
F25	05 Nov 2015	13	20.11	89.90	7.4	33.44	8.2	23.5	0.39
F25	05 Nov 2015	14	19.89	89.86	7.5	33.41	8.2	23.6	0.41
F25	05 Nov 2015	15	19.67	89.70	7.6	33.39	8.2	23.6	0.43
F25	05 Nov 2015	16	19.49	89.80	7.6	33.36	8.2	23.6	0.46
F25	05 Nov 2015	17	18.98	89.70	7.7	33.28	8.2	23.7	0.50
F25	05 Nov 2015	18	18.05	89.59	8.1	33.19	8.2	23.9	0.56
F25	05 Nov 2015	19	17.77	89.55	8.2	33.21	8.2	24.0	0.61
F25	05 Nov 2015	20	17.71	89.51	8.1	33.20	8.2	24.0	0.61
F25	05 Nov 2015	21	17.45	89.59	8.1	33.17	8.2	24.0	0.62
F25	05 Nov 2015	22	17.36	89.66	8.1	33.16	8.2	24.0	0.63
F25	05 Nov 2015	23	17.20	89.80	8.1	33.16	8.2	24.1	0.68
F25	05 Nov 2015	24	16.84	89.87	8.1	33.21	8.2	24.2	0.75
F25	05 Nov 2015	25	16.78	89.78	8.1	33.22	8.2	24.2	0.95
F25	05 Nov 2015	26	16.74	89.55	7.8	33.28	8.2	24.3	1.63
F25	05 Nov 2015	27	16.64	88.21	7.4	33.36	8.2	24.3	2.02
F25	05 Nov 2015	28	16.62	88.13	7.4	33.37	8.2	24.4	2.03
F25	05 Nov 2015	29	16.61	88.29	7.4	33.38	8.2	24.4	2.04
F25	05 Nov 2015	30	16.60	88.34	7.3	33.38	8.2	24.4	2.10
F25	05 Nov 2015	31	16.57	88.35	7.3	33.38	8.2	24.4	2.01
F25	05 Nov 2015	32	16.51	88.53	7.3	33.39	8.2	24.4	1.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F25	05 Nov 2015	33	16.43	88.70	7.2	33.38	8.2	24.4	1.74
F25	05 Nov 2015	34	16.38	88.91	7.1	33.40	8.1	24.4	1.69
F25	05 Nov 2015	35	16.35	89.02	7.1	33.40	8.1	24.4	1.67
F25	05 Nov 2015	36	16.33	89.09	7.0	33.40	8.1	24.4	1.62
F25	05 Nov 2015	37	16.32	89.08	7.0	33.40	8.1	24.4	1.58
F25	05 Nov 2015	38	16.32	89.06	7.0	33.40	8.1	24.4	1.56
F25	05 Nov 2015	39	16.31	89.04	7.0	33.40	8.1	24.4	1.55
F25	05 Nov 2015	40	16.31	89.06	7.0	33.40	8.1	24.4	1.53
F25	05 Nov 2015	41	16.31	89.06	7.0	33.40	8.1	24.4	1.50
F25	05 Nov 2015	42	16.30	89.07	7.0	33.40	8.1	24.4	1.48
F25	05 Nov 2015	43	16.29	89.08	7.0	33.40	8.1	24.5	1.46
F25	05 Nov 2015	44	16.29	89.11	7.0	33.40	8.1	24.5	1.45
F25	05 Nov 2015	45	16.28	89.09	7.0	33.40	8.1	24.5	1.39
F25	05 Nov 2015	46	16.25	89.15	6.9	33.40	8.1	24.5	1.32
F25	05 Nov 2015	47	16.21	89.22	6.9	33.40	8.1	24.5	1.24
F25	05 Nov 2015	48	16.20	89.26	6.9	33.40	8.1	24.5	1.21
F25	05 Nov 2015	49	16.18	89.26	6.9	33.40	8.1	24.5	1.19
F25	05 Nov 2015	50	16.17	89.32	6.9	33.40	8.1	24.5	1.17
F25	05 Nov 2015	51	16.16	89.31	6.9	33.40	8.1	24.5	1.15
F25	05 Nov 2015	52	16.15	89.32	6.9	33.40	8.1	24.5	1.13
F25	05 Nov 2015	53	16.12	89.36	6.8	33.40	8.1	24.5	1.07
F25	05 Nov 2015	54	16.06	89.45	6.8	33.40	8.1	24.5	0.96
F25	05 Nov 2015	55	15.98	89.49	6.7	33.41	8.1	24.5	0.90
F25	05 Nov 2015	56	15.88	89.56	6.7	33.41	8.1	24.6	0.81
F25	05 Nov 2015	57	15.83	89.67	6.7	33.41	8.1	24.6	0.78
F25	05 Nov 2015	58	15.79	89.71	6.7	33.41	8.1	24.6	0.72
F25	05 Nov 2015	59	15.76	89.71	6.6	33.41	8.1	24.6	0.70
F25	05 Nov 2015	60	15.73	89.63	6.6	33.41	8.1	24.6	0.67
F25	05 Nov 2015	61	15.72	89.62	6.7	33.41	8.1	24.6	0.65
F25	05 Nov 2015	62	15.69	89.68	6.6	33.41	8.1	24.6	0.63
F25	05 Nov 2015	63	15.60	89.62	6.5	33.41	8.1	24.6	0.62
F25	05 Nov 2015	64	15.37	89.76	6.4	33.40	8.1	24.7	0.59
F25	05 Nov 2015	65	15.04	90.03	6.5	33.40	8.1	24.7	0.57
F25	05 Nov 2015	66	14.97	90.25	6.4	33.43	8.1	24.8	0.53
F25	05 Nov 2015	67	14.96	90.24	6.2	33.44	8.1	24.8	0.47
F25	05 Nov 2015	68	14.85	90.15	6.1	33.45	8.1	24.8	0.43
F25	05 Nov 2015	69	14.83	90.15	6.0	33.45	8.0	24.8	0.39
F25	05 Nov 2015	70	14.71	90.08	6.0	33.47	8.0	24.9	0.37
F25	05 Nov 2015	71	14.65	90.07	6.0	33.47	8.0	24.9	0.37
F25	05 Nov 2015	72	14.64	90.03	5.9	33.47	8.0	24.9	0.36
F25	05 Nov 2015	73	14.60	89.88	5.9	33.48	8.0	24.9	0.35
F25	05 Nov 2015	74	14.59	89.98	5.9	33.48	8.0	24.9	0.35
F25	05 Nov 2015	75	14.57	90.06	5.9	33.48	8.0	24.9	0.35
F25	05 Nov 2015	76	14.57	89.85	5.9	33.48	8.0	24.9	0.35
F25	05 Nov 2015	77	14.56	89.86	5.9	33.48	8.0	24.9	0.33
F25	05 Nov 2015	78	14.45	89.45	5.8	33.48	8.0	24.9	0.32
F25	05 Nov 2015	79	14.38	88.72	5.7	33.48	8.0	24.9	0.71
F25	05 Nov 2015	80	14.32	87.43	5.7	33.47	8.0	24.9	1.60
F26	06 Nov 2015	1	20.25	89.45	7.2	33.49	8.2	23.5	0.23
F26	06 Nov 2015	2	20.25	89.43	7.3	33.49	8.2	23.5	0.23
F26	06 Nov 2015	3	20.24	89.44	7.3	33.49	8.2	23.6	0.25
F26	06 Nov 2015	4	20.21	89.43	7.3	33.50	8.2	23.6	0.26
F26	06 Nov 2015	5	20.18	89.29	7.3	33.49	8.2	23.6	0.27
F26	06 Nov 2015	6	20.16	89.24	7.3	33.49	8.2	23.6	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F26	06 Nov 2015	7	20.15	89.18	7.3	33.49	8.2	23.6	0.28
F26	06 Nov 2015	8	20.14	89.18	7.3	33.49	8.2	23.6	0.29
F26	06 Nov 2015	9	20.10	89.20	7.3	33.49	8.2	23.6	0.31
F26	06 Nov 2015	10	20.10	89.14	7.3	33.49	8.2	23.6	0.32
F26	06 Nov 2015	11	20.10	89.14	7.3	33.49	8.2	23.6	0.33
F26	06 Nov 2015	12	20.09	89.15	7.3	33.48	8.2	23.6	0.34
F26	06 Nov 2015	13	20.08	89.17	7.3	33.49	8.2	23.6	0.35
F26	06 Nov 2015	14	20.06	89.16	7.3	33.48	8.2	23.6	0.36
F26	06 Nov 2015	15	20.05	89.18	7.4	33.48	8.2	23.6	0.36
F26	06 Nov 2015	16	20.06	89.18	7.3	33.48	8.2	23.6	0.38
F26	06 Nov 2015	17	20.05	89.18	7.3	33.48	8.2	23.6	0.39
F26	06 Nov 2015	18	20.05	89.18	7.3	33.49	8.2	23.6	0.41
F26	06 Nov 2015	19	20.04	89.15	7.3	33.48	8.2	23.6	0.41
F26	06 Nov 2015	20	20.04	89.14	7.3	33.48	8.2	23.6	0.44
F26	06 Nov 2015	21	20.03	89.13	7.3	33.48	8.2	23.6	0.44
F26	06 Nov 2015	22	20.02	89.12	7.3	33.48	8.2	23.6	0.45
F26	06 Nov 2015	23	20.02	89.13	7.3	33.48	8.2	23.6	0.47
F26	06 Nov 2015	24	20.01	89.15	7.3	33.48	8.2	23.6	0.49
F26	06 Nov 2015	25	20.00	89.14	7.3	33.48	8.2	23.6	0.50
F26	06 Nov 2015	26	19.98	89.10	7.3	33.48	8.2	23.6	0.51
F26	06 Nov 2015	27	19.96	89.09	7.3	33.48	8.2	23.6	0.53
F26	06 Nov 2015	28	19.92	89.14	7.3	33.47	8.2	23.6	0.58
F26	06 Nov 2015	29	19.66	89.12	7.4	33.43	8.2	23.7	0.65
F26	06 Nov 2015	30	19.40	89.00	7.5	33.42	8.2	23.7	0.73
F26	06 Nov 2015	31	19.13	88.90	7.6	33.37	8.2	23.7	0.80
F26	06 Nov 2015	32	18.85	88.72	7.7	33.37	8.2	23.8	1.03
F26	06 Nov 2015	33	18.77	88.85	7.7	33.34	8.2	23.8	0.99
F26	06 Nov 2015	34	18.42	88.62	7.8	33.34	8.2	23.9	1.07
F26	06 Nov 2015	35	18.36	88.51	7.8	33.33	8.2	23.9	1.17
F26	06 Nov 2015	36	18.26	88.41	7.7	33.30	8.2	23.9	1.21
F26	06 Nov 2015	37	17.79	88.37	7.9	33.23	8.2	24.0	1.21
F26	06 Nov 2015	38	17.43	88.71	8.0	33.26	8.2	24.1	1.40
F26	06 Nov 2015	39	17.32	88.71	7.7	33.31	8.2	24.1	1.71
F26	06 Nov 2015	40	17.26	88.45	7.7	33.33	8.2	24.2	1.81
F26	06 Nov 2015	41	17.24	88.51	7.6	33.33	8.2	24.2	1.78
F26	06 Nov 2015	42	17.17	88.58	7.5	33.35	8.2	24.2	1.75
F26	06 Nov 2015	43	17.11	88.72	7.5	33.36	8.2	24.2	1.71
F26	06 Nov 2015	44	17.10	88.71	7.4	33.37	8.2	24.2	1.70
F26	06 Nov 2015	45	17.07	88.82	7.4	33.38	8.2	24.3	1.65
F26	06 Nov 2015	46	16.98	88.88	7.3	33.38	8.1	24.3	1.56
F26	06 Nov 2015	47	16.88	89.02	7.3	33.38	8.1	24.3	1.46
F26	06 Nov 2015	48	16.82	89.07	7.2	33.39	8.1	24.3	1.38
F26	06 Nov 2015	49	16.81	89.19	7.2	33.39	8.1	24.3	1.32
F26	06 Nov 2015	50	16.80	89.29	7.2	33.39	8.1	24.3	1.27
F26	06 Nov 2015	51	16.78	89.35	7.2	33.39	8.1	24.3	1.23
F26	06 Nov 2015	52	16.76	89.36	7.2	33.39	8.1	24.3	1.20
F26	06 Nov 2015	53	16.75	89.40	7.2	33.39	8.1	24.3	1.15
F26	06 Nov 2015	54	16.71	89.43	7.2	33.39	8.1	24.3	1.12
F26	06 Nov 2015	55	16.68	89.45	7.1	33.39	8.1	24.4	1.06
F26	06 Nov 2015	56	16.65	89.45	7.1	33.39	8.1	24.4	0.97
F26	06 Nov 2015	57	16.61	89.59	7.1	33.39	8.1	24.4	0.92
F26	06 Nov 2015	58	16.55	89.59	7.0	33.39	8.1	24.4	0.83
F26	06 Nov 2015	59	16.38	89.41	6.9	33.39	8.1	24.4	0.75
F26	06 Nov 2015	60	16.25	89.09	6.8	33.39	8.1	24.5	0.66
F26	06 Nov 2015	61	16.07	88.40	6.7	33.40	8.1	24.5	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F26	06 Nov 2015	62	15.96	87.93	6.6	33.40	8.1	24.5	0.58
F26	06 Nov 2015	63	15.73	87.67	6.4	33.40	8.1	24.6	0.53
F26	06 Nov 2015	64	15.56	87.25	6.3	33.42	8.1	24.6	0.51
F26	06 Nov 2015	65	15.37	87.32	6.2	33.43	8.1	24.7	0.48
F26	06 Nov 2015	66	15.24	87.66	6.2	33.44	8.1	24.7	0.46
F26	06 Nov 2015	67	15.15	87.78	6.1	33.45	8.0	24.7	0.44
F26	06 Nov 2015	68	15.02	87.90	6.0	33.46	8.0	24.8	0.42
F26	06 Nov 2015	69	14.97	88.05	6.0	33.47	8.0	24.8	0.40
F26	06 Nov 2015	70	14.93	88.15	6.0	33.47	8.0	24.8	0.39
F26	06 Nov 2015	71	14.91	88.27	6.0	33.47	8.0	24.8	0.39
F26	06 Nov 2015	72	14.81	88.33	5.9	33.47	8.0	24.8	0.37
F26	06 Nov 2015	73	14.71	88.32	5.8	33.48	8.0	24.9	0.37
F26	06 Nov 2015	74	14.62	88.39	5.8	33.48	8.0	24.9	0.36
F26	06 Nov 2015	75	14.52	88.39	5.7	33.49	8.0	24.9	0.33
F26	06 Nov 2015	76	14.36	88.41	5.6	33.50	8.0	25.0	0.31
F26	06 Nov 2015	77	14.29	88.49	5.6	33.51	8.0	25.0	0.30
F26	06 Nov 2015	78	14.26	88.49	5.6	33.51	8.0	25.0	0.30
F26	06 Nov 2015	79	14.25	88.55	5.6	33.51	8.0	25.0	0.31
F26	06 Nov 2015	80	14.24	88.60	5.6	33.51	8.0	25.0	0.30
F26	06 Nov 2015	81	14.21	88.62	5.5	33.51	8.0	25.0	0.30
F26	06 Nov 2015	82	14.15	88.82	5.5	33.51	8.0	25.0	0.28
F26	06 Nov 2015	83	13.97	88.99	5.4	33.52	8.0	25.0	0.27
F26	06 Nov 2015	84	13.82	89.08	5.3	33.54	8.0	25.1	0.27
F26	06 Nov 2015	85	13.79	88.93	5.3	33.54	8.0	25.1	0.26
F26	06 Nov 2015	86	13.77	88.78	5.3	33.54	8.0	25.1	0.26
F26	06 Nov 2015	87	13.73	88.66	5.2	33.55	8.0	25.1	0.25
F26	06 Nov 2015	88	13.71	88.71	5.2	33.55	8.0	25.1	0.25
F26	06 Nov 2015	89	13.69	88.52	5.2	33.55	8.0	25.1	0.26
F26	06 Nov 2015	90	13.66	88.46	5.2	33.56	8.0	25.1	0.26
F26	06 Nov 2015	91	13.65	88.48	5.2	33.56	8.0	25.1	0.25
F26	06 Nov 2015	92	13.61	88.35	5.1	33.56	8.0	25.2	0.25
F26	06 Nov 2015	93	13.58	88.30	5.1	33.57	7.9	25.2	0.24
F26	06 Nov 2015	94	13.53	88.29	5.1	33.57	7.9	25.2	0.23
F26	06 Nov 2015	95	13.42	88.26	5.0	33.58	7.9	25.2	0.24
F26	06 Nov 2015	96	13.35	88.28	5.0	33.59	7.9	25.2	0.23
F26	06 Nov 2015	97	13.31	88.27	4.9	33.59	7.9	25.2	0.23
F27	06 Nov 2015	1	20.26	89.40	7.2	33.50	8.2	23.6	0.22
F27	06 Nov 2015	2	20.25	89.39	7.2	33.50	8.2	23.6	0.23
F27	06 Nov 2015	3	20.25	89.36	7.3	33.50	8.2	23.6	0.23
F27	06 Nov 2015	4	20.20	89.32	7.3	33.50	8.2	23.6	0.25
F27	06 Nov 2015	5	20.17	89.22	7.3	33.50	8.2	23.6	0.25
F27	06 Nov 2015	6	20.16	89.15	7.3	33.50	8.2	23.6	0.27
F27	06 Nov 2015	7	20.15	89.15	7.3	33.50	8.2	23.6	0.28
F27	06 Nov 2015	8	20.14	89.13	7.3	33.50	8.2	23.6	0.30
F27	06 Nov 2015	9	20.13	89.14	7.3	33.49	8.2	23.6	0.30
F27	06 Nov 2015	10	20.12	89.13	7.3	33.49	8.2	23.6	0.31
F27	06 Nov 2015	11	20.12	89.13	7.3	33.49	8.2	23.6	0.33
F27	06 Nov 2015	12	20.11	89.11	7.3	33.49	8.2	23.6	0.35
F27	06 Nov 2015	13	20.11	89.11	7.3	33.49	8.2	23.6	0.37
F27	06 Nov 2015	14	20.10	89.10	7.3	33.49	8.2	23.6	0.39
F27	06 Nov 2015	15	20.10	89.09	7.3	33.49	8.2	23.6	0.41
F27	06 Nov 2015	16	20.08	89.06	7.3	33.49	8.2	23.6	0.44
F27	06 Nov 2015	17	20.07	89.05	7.3	33.49	8.2	23.6	0.46
F27	06 Nov 2015	18	20.05	89.02	7.3	33.48	8.2	23.6	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F27	06 Nov 2015	19	20.04	89.04	7.3	33.48	8.2	23.6	0.48
F27	06 Nov 2015	20	20.02	89.07	7.3	33.48	8.2	23.6	0.49
F27	06 Nov 2015	21	20.01	89.07	7.3	33.48	8.2	23.6	0.49
F27	06 Nov 2015	22	19.99	89.09	7.4	33.48	8.2	23.6	0.50
F27	06 Nov 2015	23	19.98	89.09	7.3	33.48	8.2	23.6	0.52
F27	06 Nov 2015	24	19.97	89.06	7.4	33.48	8.2	23.6	0.54
F27	06 Nov 2015	25	19.95	89.06	7.3	33.47	8.2	23.6	0.55
F27	06 Nov 2015	26	19.93	89.13	7.3	33.47	8.2	23.6	0.56
F27	06 Nov 2015	27	19.91	89.18	7.3	33.47	8.2	23.6	0.60
F27	06 Nov 2015	28	19.59	89.13	7.4	33.40	8.2	23.6	0.63
F27	06 Nov 2015	29	19.08	89.28	7.6	33.36	8.2	23.8	0.65
F27	06 Nov 2015	30	18.64	89.28	7.7	33.31	8.2	23.8	0.72
F27	06 Nov 2015	31	18.20	89.25	7.8	33.31	8.2	23.9	0.90
F27	06 Nov 2015	32	18.09	88.86	7.8	33.32	8.2	24.0	1.06
F27	06 Nov 2015	33	18.06	88.72	7.8	33.32	8.2	24.0	1.16
F27	06 Nov 2015	34	17.99	88.56	7.8	33.32	8.2	24.0	1.23
F27	06 Nov 2015	35	17.88	88.59	7.8	33.31	8.2	24.0	1.27
F27	06 Nov 2015	36	17.83	88.56	7.8	33.30	8.2	24.0	1.30
F27	06 Nov 2015	37	17.67	88.55	7.8	33.27	8.2	24.0	1.48
F27	06 Nov 2015	38	17.38	88.37	7.8	33.29	8.2	24.1	1.56
F27	06 Nov 2015	39	17.34	88.47	7.8	33.31	8.2	24.1	1.60
F27	06 Nov 2015	40	17.33	88.46	7.5	33.36	8.2	24.2	1.61
F27	06 Nov 2015	41	17.26	88.77	7.5	33.37	8.2	24.2	1.59
F27	06 Nov 2015	42	17.20	88.90	7.5	33.37	8.2	24.2	1.54
F27	06 Nov 2015	43	17.13	89.05	7.4	33.38	8.2	24.2	1.52
F27	06 Nov 2015	44	17.09	89.16	7.4	33.38	8.2	24.2	1.49
F27	06 Nov 2015	45	17.06	89.16	7.4	33.38	8.2	24.3	1.48
F27	06 Nov 2015	46	17.05	89.20	7.4	33.38	8.2	24.3	1.45
F27	06 Nov 2015	47	17.04	89.24	7.4	33.38	8.1	24.3	1.40
F27	06 Nov 2015	48	16.98	89.32	7.3	33.38	8.1	24.3	1.26
F27	06 Nov 2015	49	16.93	89.51	7.3	33.39	8.1	24.3	1.15
F27	06 Nov 2015	50	16.88	89.51	7.3	33.38	8.1	24.3	1.04
F27	06 Nov 2015	51	16.72	89.43	7.2	33.38	8.1	24.3	0.92
F27	06 Nov 2015	52	16.67	89.24	7.2	33.39	8.1	24.4	0.88
F27	06 Nov 2015	53	16.64	89.16	7.1	33.39	8.1	24.4	0.85
F27	06 Nov 2015	54	16.55	89.07	7.0	33.38	8.1	24.4	0.78
F27	06 Nov 2015	55	16.41	88.57	7.0	33.40	8.1	24.4	0.77
F27	06 Nov 2015	56	16.36	88.26	6.9	33.40	8.1	24.4	0.76
F27	06 Nov 2015	57	16.32	87.91	6.9	33.40	8.1	24.4	0.75
F27	06 Nov 2015	58	16.30	87.67	6.9	33.40	8.1	24.5	0.74
F27	06 Nov 2015	59	16.28	87.51	6.9	33.40	8.1	24.5	0.72
F27	06 Nov 2015	60	16.19	87.03	6.8	33.40	8.1	24.5	0.70
F27	06 Nov 2015	61	16.10	86.85	6.7	33.40	8.1	24.5	0.72
F27	06 Nov 2015	62	16.01	87.28	6.8	33.40	8.1	24.5	0.73
F27	06 Nov 2015	63	15.98	87.73	6.8	33.40	8.1	24.5	0.72
F27	06 Nov 2015	64	15.96	87.51	6.7	33.40	8.1	24.5	0.66
F27	06 Nov 2015	65	15.91	86.94	6.6	33.41	8.1	24.5	0.60
F27	06 Nov 2015	66	15.85	85.19	6.5	33.41	8.1	24.6	0.55
F27	06 Nov 2015	67	15.70	84.99	6.4	33.41	8.1	24.6	0.53
F27	06 Nov 2015	68	15.51	85.29	6.3	33.42	8.1	24.6	0.49
F27	06 Nov 2015	69	15.45	85.07	6.2	33.43	8.1	24.7	0.48
F27	06 Nov 2015	70	15.23	86.07	6.1	33.45	8.0	24.7	0.44
F27	06 Nov 2015	71	15.02	87.36	5.9	33.45	8.0	24.8	0.41
F27	06 Nov 2015	72	14.76	87.40	5.8	33.47	8.0	24.8	0.37
F27	06 Nov 2015	73	14.67	88.11	5.9	33.48	8.0	24.9	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F27	06 Nov 2015	74	14.64	88.20	5.8	33.48	8.0	24.9	0.35
F27	06 Nov 2015	75	14.53	88.33	5.6	33.48	8.0	24.9	0.33
F27	06 Nov 2015	76	14.08	88.36	5.4	33.49	8.0	25.0	0.30
F27	06 Nov 2015	77	13.83	88.63	5.2	33.54	8.0	25.1	0.27
F27	06 Nov 2015	78	13.82	88.89	5.3	33.54	8.0	25.1	0.27
F27	06 Nov 2015	79	13.81	88.93	5.3	33.54	8.0	25.1	0.27
F27	06 Nov 2015	80	13.79	89.01	5.3	33.55	8.0	25.1	0.26
F27	06 Nov 2015	81	13.73	89.09	5.2	33.55	8.0	25.1	0.25
F27	06 Nov 2015	82	13.71	89.18	5.2	33.55	8.0	25.1	0.25
F27	06 Nov 2015	83	13.70	89.30	5.2	33.56	8.0	25.1	0.26
F27	06 Nov 2015	84	13.70	89.34	5.2	33.56	8.0	25.1	0.25
F27	06 Nov 2015	85	13.69	89.27	5.2	33.56	8.0	25.1	0.26
F27	06 Nov 2015	86	13.66	89.33	5.2	33.56	8.0	25.1	0.25
F27	06 Nov 2015	87	13.62	89.41	5.2	33.56	8.0	25.2	0.24
F27	06 Nov 2015	88	13.57	89.28	5.1	33.57	7.9	25.2	0.25
F27	06 Nov 2015	89	13.55	89.22	5.1	33.57	7.9	25.2	0.23
F27	06 Nov 2015	90	13.52	89.16	5.0	33.57	7.9	25.2	0.24
F27	06 Nov 2015	91	13.46	88.87	5.0	33.58	7.9	25.2	0.23
F27	06 Nov 2015	92	13.39	88.72	5.0	33.59	7.9	25.2	0.23
F27	06 Nov 2015	93	13.34	88.56	4.9	33.59	7.9	25.2	0.23
F27	06 Nov 2015	94	13.26	88.44	4.8	33.59	7.9	25.3	0.23
F27	06 Nov 2015	95	13.12	88.18	4.7	33.61	7.9	25.3	0.22
F27	06 Nov 2015	96	13.05	87.95	4.7	33.62	7.9	25.3	0.21
F27	06 Nov 2015	97	13.03	87.71	4.7	33.62	7.9	25.3	0.21
F28	06 Nov 2015	1	19.99	89.64	7.4	33.45	8.2	23.6	0.23
F28	06 Nov 2015	2	19.91	89.65	7.4	33.44	8.2	23.6	0.24
F28	06 Nov 2015	3	19.88	89.53	7.4	33.44	8.2	23.6	0.24
F28	06 Nov 2015	4	19.86	89.38	7.4	33.44	8.2	23.6	0.25
F28	06 Nov 2015	5	19.85	89.38	7.4	33.44	8.2	23.6	0.26
F28	06 Nov 2015	6	19.84	89.31	7.4	33.44	8.2	23.6	0.28
F28	06 Nov 2015	7	19.84	89.34	7.4	33.45	8.2	23.6	0.27
F28	06 Nov 2015	8	19.84	89.35	7.4	33.44	8.2	23.6	0.28
F28	06 Nov 2015	9	19.83	89.35	7.4	33.44	8.2	23.6	0.30
F28	06 Nov 2015	10	19.83	89.31	7.4	33.44	8.2	23.6	0.32
F28	06 Nov 2015	11	19.83	89.33	7.4	33.44	8.2	23.6	0.33
F28	06 Nov 2015	12	19.83	89.32	7.4	33.45	8.2	23.6	0.34
F28	06 Nov 2015	13	19.83	89.32	7.4	33.45	8.2	23.6	0.35
F28	06 Nov 2015	14	19.83	89.31	7.4	33.45	8.2	23.6	0.37
F28	06 Nov 2015	15	19.82	89.33	7.4	33.44	8.2	23.6	0.39
F28	06 Nov 2015	16	19.82	89.32	7.4	33.44	8.2	23.6	0.40
F28	06 Nov 2015	17	19.82	89.29	7.4	33.44	8.2	23.6	0.42
F28	06 Nov 2015	18	19.82	89.29	7.4	33.44	8.2	23.6	0.43
F28	06 Nov 2015	19	19.82	89.28	7.4	33.44	8.2	23.6	0.45
F28	06 Nov 2015	20	19.82	89.25	7.4	33.44	8.2	23.6	0.46
F28	06 Nov 2015	21	19.82	89.30	7.4	33.44	8.2	23.6	0.46
F28	06 Nov 2015	22	19.82	89.31	7.4	33.44	8.2	23.6	0.47
F28	06 Nov 2015	23	19.81	89.30	7.4	33.44	8.2	23.6	0.48
F28	06 Nov 2015	24	19.79	89.28	7.4	33.44	8.2	23.6	0.49
F28	06 Nov 2015	25	19.80	89.32	7.4	33.44	8.2	23.6	0.50
F28	06 Nov 2015	26	19.80	89.33	7.4	33.44	8.2	23.6	0.50
F28	06 Nov 2015	27	19.79	89.33	7.4	33.44	8.2	23.6	0.51
F28	06 Nov 2015	28	19.78	89.31	7.4	33.44	8.2	23.6	0.52
F28	06 Nov 2015	29	19.73	89.31	7.4	33.42	8.2	23.6	0.51
F28	06 Nov 2015	30	19.60	89.33	7.5	33.40	8.2	23.6	0.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F28	06 Nov 2015	31	19.48	89.36	7.6	33.38	8.2	23.7	0.53
F28	06 Nov 2015	32	19.40	89.38	7.5	33.37	8.2	23.7	0.55
F28	06 Nov 2015	33	19.08	89.41	7.5	33.30	8.2	23.7	0.66
F28	06 Nov 2015	34	18.30	89.35	7.7	33.28	8.2	23.9	0.91
F28	06 Nov 2015	35	17.69	88.94	7.7	33.31	8.2	24.1	1.32
F28	06 Nov 2015	36	17.26	88.20	7.8	33.35	8.2	24.2	1.73
F28	06 Nov 2015	37	17.16	87.65	7.7	33.35	8.2	24.2	1.88
F28	06 Nov 2015	38	17.11	87.69	7.7	33.35	8.2	24.2	1.91
F28	06 Nov 2015	39	17.08	87.75	7.6	33.35	8.2	24.2	1.90
F28	06 Nov 2015	40	17.07	87.91	7.6	33.36	8.2	24.2	1.90
F28	06 Nov 2015	41	17.07	87.92	7.6	33.36	8.2	24.2	1.88
F28	06 Nov 2015	42	17.06	87.98	7.6	33.36	8.2	24.2	1.84
F28	06 Nov 2015	43	17.03	88.00	7.5	33.36	8.2	24.2	1.80
F28	06 Nov 2015	44	17.02	88.06	7.5	33.36	8.2	24.2	1.81
F28	06 Nov 2015	45	17.03	88.18	7.6	33.36	8.2	24.2	1.80
F28	06 Nov 2015	46	17.01	88.12	7.5	33.36	8.2	24.3	1.82
F28	06 Nov 2015	47	16.97	88.09	7.5	33.35	8.2	24.3	1.81
F28	06 Nov 2015	48	16.96	88.11	7.5	33.36	8.2	24.3	1.83
F28	06 Nov 2015	49	16.95	88.17	7.5	33.36	8.2	24.3	1.78
F28	06 Nov 2015	50	16.95	88.36	7.5	33.36	8.2	24.3	1.72
F28	06 Nov 2015	51	16.94	88.45	7.4	33.36	8.1	24.3	1.60
F28	06 Nov 2015	52	16.92	88.64	7.4	33.37	8.1	24.3	1.41
F28	06 Nov 2015	53	16.87	89.01	7.2	33.38	8.1	24.3	1.17
F28	06 Nov 2015	54	16.67	89.30	7.1	33.38	8.1	24.4	1.07
F28	06 Nov 2015	55	16.56	89.34	7.0	33.39	8.1	24.4	1.13
F28	06 Nov 2015	56	16.44	89.30	7.0	33.39	8.1	24.4	1.18
F28	06 Nov 2015	57	16.38	89.20	7.0	33.39	8.1	24.4	1.14
F28	06 Nov 2015	58	16.29	89.22	7.0	33.39	8.1	24.4	1.07
F28	06 Nov 2015	59	16.21	89.30	6.9	33.40	8.1	24.5	1.05
F28	06 Nov 2015	60	16.20	89.31	6.9	33.40	8.1	24.5	1.03
F28	06 Nov 2015	61	16.19	89.40	6.9	33.40	8.1	24.5	1.01
F28	06 Nov 2015	62	16.15	89.43	6.9	33.40	8.1	24.5	0.98
F28	06 Nov 2015	63	16.14	89.45	6.9	33.40	8.1	24.5	0.97
F28	06 Nov 2015	64	16.12	89.43	6.9	33.40	8.1	24.5	0.94
F28	06 Nov 2015	65	16.07	89.45	6.8	33.40	8.1	24.5	0.92
F28	06 Nov 2015	66	16.05	89.48	6.8	33.40	8.1	24.5	0.88
F28	06 Nov 2015	67	15.99	89.54	6.8	33.41	8.1	24.5	0.83
F28	06 Nov 2015	68	15.92	89.57	6.8	33.41	8.1	24.5	0.79
F28	06 Nov 2015	69	15.88	89.57	6.7	33.40	8.1	24.5	0.76
F28	06 Nov 2015	70	15.63	89.25	6.5	33.39	8.1	24.6	0.66
F28	06 Nov 2015	71	15.41	88.15	6.3	33.41	8.1	24.7	0.55
F28	06 Nov 2015	72	15.19	86.91	6.1	33.43	8.1	24.7	0.48
F28	06 Nov 2015	73	15.05	86.26	6.0	33.43	8.0	24.8	0.42
F28	06 Nov 2015	74	14.86	86.15	5.9	33.44	8.0	24.8	0.39
F28	06 Nov 2015	75	14.75	86.19	5.8	33.45	8.0	24.8	0.37
F28	06 Nov 2015	76	14.63	86.29	5.8	33.46	8.0	24.9	0.34
F28	06 Nov 2015	77	14.50	86.84	5.7	33.48	8.0	24.9	0.34
F28	06 Nov 2015	78	14.43	87.13	5.6	33.48	8.0	24.9	0.32
F28	06 Nov 2015	79	14.33	87.21	5.6	33.49	8.0	24.9	0.31
F28	06 Nov 2015	80	14.22	87.45	5.5	33.51	8.0	25.0	0.31
F28	06 Nov 2015	81	14.17	87.69	5.5	33.51	8.0	25.0	0.30
F28	06 Nov 2015	82	14.06	88.07	5.4	33.51	8.0	25.0	0.28
F28	06 Nov 2015	83	13.88	88.17	5.2	33.53	8.0	25.1	0.27
F28	06 Nov 2015	84	13.79	88.14	5.2	33.54	8.0	25.1	0.26
F28	06 Nov 2015	85	13.72	87.98	5.2	33.55	8.0	25.1	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F28	06 Nov 2015	86	13.66	88.15	5.1	33.55	8.0	25.1	0.25
F28	06 Nov 2015	87	13.54	88.54	5.0	33.57	7.9	25.2	0.24
F28	06 Nov 2015	88	13.47	88.83	5.0	33.58	7.9	25.2	0.24
F28	06 Nov 2015	89	13.41	88.75	5.0	33.59	7.9	25.2	0.24
F28	06 Nov 2015	90	13.38	88.17	4.9	33.59	7.9	25.2	0.23
F28	06 Nov 2015	91	13.35	87.88	4.9	33.59	7.9	25.2	0.23
F28	06 Nov 2015	92	13.30	87.78	4.8	33.59	7.9	25.2	0.22
F28	06 Nov 2015	93	13.24	87.56	4.8	33.60	7.9	25.3	0.22
F28	06 Nov 2015	94	13.21	87.25	4.8	33.61	7.9	25.3	0.22
F28	06 Nov 2015	95	13.19	87.21	4.8	33.61	7.9	25.3	0.21
F28	06 Nov 2015	96	13.14	87.15	4.7	33.61	7.9	25.3	0.21
F28	06 Nov 2015	97	13.02	86.95	4.7	33.62	7.9	25.3	0.21
F28	06 Nov 2015	98	12.98	86.53	4.7	33.62	7.9	25.3	0.20
F29	06 Nov 2015	1	20.00	89.90	7.4	33.45	8.2	23.6	0.21
F29	06 Nov 2015	2	19.97	89.90	7.4	33.44	8.2	23.6	0.20
F29	06 Nov 2015	3	19.87	89.81	7.3	33.44	8.2	23.6	0.21
F29	06 Nov 2015	4	19.86	89.77	7.4	33.44	8.2	23.6	0.22
F29	06 Nov 2015	5	19.86	89.72	7.3	33.44	8.2	23.6	0.22
F29	06 Nov 2015	6	19.85	89.70	7.4	33.44	8.2	23.6	0.23
F29	06 Nov 2015	7	19.84	89.70	7.4	33.44	8.2	23.6	0.25
F29	06 Nov 2015	8	19.84	89.68	7.4	33.44	8.2	23.6	0.26
F29	06 Nov 2015	9	19.83	89.69	7.4	33.44	8.2	23.6	0.26
F29	06 Nov 2015	10	19.83	89.66	7.4	33.44	8.2	23.6	0.27
F29	06 Nov 2015	11	19.82	89.64	7.4	33.44	8.2	23.6	0.28
F29	06 Nov 2015	12	19.81	89.65	7.4	33.44	8.2	23.6	0.29
F29	06 Nov 2015	13	19.80	89.65	7.4	33.44	8.2	23.6	0.29
F29	06 Nov 2015	14	19.80	89.72	7.4	33.44	8.2	23.6	0.31
F29	06 Nov 2015	15	19.80	89.72	7.4	33.44	8.2	23.6	0.32
F29	06 Nov 2015	16	19.79	89.64	7.4	33.44	8.2	23.6	0.31
F29	06 Nov 2015	17	19.78	89.66	7.4	33.44	8.2	23.6	0.33
F29	06 Nov 2015	18	19.76	89.66	7.4	33.43	8.2	23.6	0.34
F29	06 Nov 2015	19	19.74	89.65	7.4	33.43	8.2	23.6	0.37
F29	06 Nov 2015	20	19.69	89.61	7.5	33.42	8.2	23.6	0.39
F29	06 Nov 2015	21	19.61	89.58	7.5	33.40	8.2	23.6	0.41
F29	06 Nov 2015	22	19.47	89.55	7.5	33.38	8.2	23.7	0.45
F29	06 Nov 2015	23	19.22	89.54	7.6	33.34	8.2	23.7	0.48
F29	06 Nov 2015	24	18.88	89.53	7.7	33.27	8.2	23.7	0.48
F29	06 Nov 2015	25	18.29	89.53	7.9	33.17	8.2	23.8	0.57
F29	06 Nov 2015	26	17.69	89.61	7.9	33.28	8.2	24.0	0.86
F29	06 Nov 2015	27	17.44	88.95	7.9	33.34	8.2	24.1	1.11
F29	06 Nov 2015	28	17.41	88.42	7.8	33.34	8.2	24.1	1.54
F29	06 Nov 2015	29	17.16	87.72	7.5	33.34	8.2	24.2	2.02
F29	06 Nov 2015	30	16.99	87.11	7.5	33.37	8.2	24.3	2.15
F29	06 Nov 2015	31	16.94	87.31	7.4	33.37	8.1	24.3	2.15
F29	06 Nov 2015	32	16.88	87.19	7.4	33.37	8.1	24.3	2.16
F29	06 Nov 2015	33	16.84	87.47	7.3	33.38	8.1	24.3	2.14
F29	06 Nov 2015	34	16.76	87.65	7.2	33.37	8.1	24.3	1.96
F29	06 Nov 2015	35	16.65	88.06	7.2	33.38	8.1	24.4	1.85
F29	06 Nov 2015	36	16.63	88.35	7.2	33.39	8.1	24.4	1.82
F29	06 Nov 2015	37	16.63	88.38	7.2	33.39	8.1	24.4	1.82
F29	06 Nov 2015	38	16.63	88.40	7.2	33.39	8.1	24.4	1.83
F29	06 Nov 2015	39	16.63	88.38	7.2	33.39	8.1	24.4	1.82
F29	06 Nov 2015	40	16.63	88.40	7.1	33.39	8.1	24.4	1.80
F29	06 Nov 2015	41	16.63	88.42	7.1	33.39	8.1	24.4	1.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	06 Nov 2015	42	16.62	88.43	7.1	33.40	8.1	24.4	1.77
F29	06 Nov 2015	43	16.62	88.44	7.1	33.40	8.1	24.4	1.73
F29	06 Nov 2015	44	16.62	88.44	7.1	33.40	8.1	24.4	1.70
F29	06 Nov 2015	45	16.62	88.45	7.1	33.40	8.1	24.4	1.67
F29	06 Nov 2015	46	16.61	88.49	7.1	33.40	8.1	24.4	1.63
F29	06 Nov 2015	47	16.59	88.54	7.1	33.40	8.1	24.4	1.56
F29	06 Nov 2015	48	16.55	88.67	7.0	33.39	8.1	24.4	1.48
F29	06 Nov 2015	49	16.50	88.80	7.0	33.40	8.1	24.4	1.42
F29	06 Nov 2015	50	16.47	88.93	7.0	33.40	8.1	24.4	1.37
F29	06 Nov 2015	51	16.45	89.00	7.0	33.40	8.1	24.4	1.33
F29	06 Nov 2015	52	16.42	89.06	7.1	33.40	8.1	24.4	1.30
F29	06 Nov 2015	53	16.41	89.12	7.0	33.40	8.1	24.4	1.29
F29	06 Nov 2015	54	16.39	89.14	7.0	33.39	8.1	24.4	1.28
F29	06 Nov 2015	55	16.36	89.18	7.0	33.39	8.1	24.4	1.24
F29	06 Nov 2015	56	16.33	89.24	7.0	33.39	8.1	24.4	1.20
F29	06 Nov 2015	57	16.31	89.28	7.0	33.39	8.1	24.4	1.16
F29	06 Nov 2015	58	16.26	89.34	7.0	33.39	8.1	24.5	1.11
F29	06 Nov 2015	59	16.23	89.40	7.0	33.40	8.1	24.5	1.08
F29	06 Nov 2015	60	16.20	89.38	7.0	33.39	8.1	24.5	1.03
F29	06 Nov 2015	61	16.14	89.44	6.9	33.40	8.1	24.5	0.96
F29	06 Nov 2015	62	16.08	89.48	6.8	33.40	8.1	24.5	0.87
F29	06 Nov 2015	63	15.92	89.53	6.7	33.40	8.1	24.5	0.78
F29	06 Nov 2015	64	15.79	89.60	6.6	33.41	8.1	24.6	0.73
F29	06 Nov 2015	65	15.75	89.65	6.6	33.41	8.1	24.6	0.71
F29	06 Nov 2015	66	15.74	89.61	6.7	33.41	8.1	24.6	0.70
F29	06 Nov 2015	67	15.72	89.62	6.7	33.41	8.1	24.6	0.69
F29	06 Nov 2015	68	15.71	89.62	6.7	33.41	8.1	24.6	0.69
F29	06 Nov 2015	69	15.69	89.62	6.7	33.41	8.1	24.6	0.69
F29	06 Nov 2015	70	15.68	89.63	6.6	33.41	8.1	24.6	0.67
F29	06 Nov 2015	71	15.67	89.61	6.7	33.41	8.1	24.6	0.67
F29	06 Nov 2015	72	15.67	89.60	6.7	33.41	8.1	24.6	0.67
F29	06 Nov 2015	73	15.65	89.61	6.6	33.41	8.1	24.6	0.66
F29	06 Nov 2015	74	15.64	89.56	6.6	33.41	8.1	24.6	0.65
F29	06 Nov 2015	75	15.61	89.47	6.6	33.41	8.1	24.6	0.65
F29	06 Nov 2015	76	15.58	89.40	6.6	33.41	8.1	24.6	0.65
F29	06 Nov 2015	77	15.56	89.36	6.6	33.41	8.1	24.6	0.63
F29	06 Nov 2015	78	15.48	89.27	6.5	33.41	8.1	24.6	0.61
F29	06 Nov 2015	79	15.40	89.13	6.5	33.41	8.1	24.7	0.58
F29	06 Nov 2015	80	15.31	89.16	6.4	33.41	8.1	24.7	0.54
F29	06 Nov 2015	81	15.21	89.21	6.4	33.42	8.1	24.7	0.52
F29	06 Nov 2015	82	15.17	89.14	6.3	33.42	8.0	24.7	0.49
F29	06 Nov 2015	83	14.89	88.43	6.0	33.35	8.0	24.7	0.42
F29	06 Nov 2015	84	14.49	86.52	5.8	33.32	8.0	24.8	0.39
F29	06 Nov 2015	85	14.38	85.50	5.7	33.31	8.0	24.8	0.36
F29	06 Nov 2015	86	14.07	85.48	5.6	33.37	8.0	24.9	0.33
F29	06 Nov 2015	87	13.94	86.18	5.6	33.40	8.0	25.0	0.31
F29	06 Nov 2015	88	13.95	86.40	5.5	33.43	8.0	25.0	0.30
F29	06 Nov 2015	89	13.51	87.71	5.3	33.45	8.0	25.1	0.28
F29	06 Nov 2015	90	13.43	87.34	5.3	33.47	7.9	25.1	0.27
F29	06 Nov 2015	91	13.43	87.79	5.3	33.49	7.9	25.1	0.28
F29	06 Nov 2015	92	13.44	87.98	5.3	33.51	7.9	25.1	0.26
F29	06 Nov 2015	93	13.29	88.54	5.2	33.52	7.9	25.2	0.25
F29	06 Nov 2015	94	13.01	88.76	4.9	33.56	7.9	25.3	0.21
F29	06 Nov 2015	95	12.74	87.96	4.6	33.62	7.9	25.4	0.21
F29	06 Nov 2015	96	12.73	87.55	4.6	33.62	7.9	25.4	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g}/\text{L}$)
F29	06 Nov 2015	97	12.72	87.65	4.7	33.62	7.9	25.4	0.19
F29	06 Nov 2015	98	12.71	87.66	4.6	33.62	7.9	25.4	0.20
F30	06 Nov 2015	1	20.09	89.08	7.3	33.45	8.2	23.6	0.20
F30	06 Nov 2015	2	20.05	89.76	7.4	33.45	8.2	23.6	0.21
F30	06 Nov 2015	3	20.02	89.84	7.4	33.45	8.2	23.6	0.21
F30	06 Nov 2015	4	20.00	89.77	7.3	33.45	8.2	23.6	0.22
F30	06 Nov 2015	5	20.00	89.79	7.4	33.45	8.2	23.6	0.24
F30	06 Nov 2015	6	20.00	89.77	7.4	33.45	8.2	23.6	0.25
F30	06 Nov 2015	7	19.99	89.76	7.4	33.45	8.2	23.6	0.24
F30	06 Nov 2015	8	19.99	89.76	7.4	33.45	8.2	23.6	0.25
F30	06 Nov 2015	9	19.99	89.77	7.3	33.45	8.2	23.6	0.26
F30	06 Nov 2015	10	19.99	89.78	7.4	33.45	8.2	23.6	0.27
F30	06 Nov 2015	11	19.98	89.76	7.3	33.45	8.2	23.6	0.29
F30	06 Nov 2015	12	19.98	89.75	7.4	33.45	8.2	23.6	0.29
F30	06 Nov 2015	13	19.98	89.77	7.4	33.45	8.2	23.6	0.30
F30	06 Nov 2015	14	19.98	89.72	7.3	33.45	8.2	23.6	0.33
F30	06 Nov 2015	15	19.97	89.76	7.3	33.45	8.2	23.6	0.32
F30	06 Nov 2015	16	19.96	89.77	7.3	33.45	8.2	23.6	0.33
F30	06 Nov 2015	17	19.93	89.73	7.4	33.44	8.2	23.6	0.37
F30	06 Nov 2015	18	19.88	89.65	7.4	33.44	8.2	23.6	0.38
F30	06 Nov 2015	19	19.79	89.64	7.4	33.42	8.2	23.6	0.40
F30	06 Nov 2015	20	19.61	89.61	7.5	33.40	8.2	23.6	0.42
F30	06 Nov 2015	21	19.36	89.54	7.5	33.36	8.2	23.7	0.46
F30	06 Nov 2015	22	19.09	89.48	7.7	33.32	8.2	23.7	0.48
F30	06 Nov 2015	23	18.75	89.52	7.7	33.27	8.2	23.8	0.47
F30	06 Nov 2015	24	18.14	89.59	7.9	33.14	8.2	23.8	0.49
F30	06 Nov 2015	25	17.62	89.69	8.1	33.26	8.2	24.0	0.56
F30	06 Nov 2015	26	17.59	89.40	7.9	33.34	8.2	24.1	0.71
F30	06 Nov 2015	27	17.50	89.14	7.8	33.34	8.2	24.1	0.99
F30	06 Nov 2015	28	17.42	88.52	7.8	33.34	8.2	24.1	1.36
F30	06 Nov 2015	29	17.22	88.24	7.6	33.35	8.1	24.2	1.85
F30	06 Nov 2015	30	17.06	87.35	7.6	33.37	8.1	24.2	2.03
F30	06 Nov 2015	31	17.00	87.55	7.6	33.37	8.1	24.3	2.28
F30	06 Nov 2015	32	16.96	87.26	7.4	33.38	8.1	24.3	2.35
F30	06 Nov 2015	33	16.92	87.22	7.3	33.37	8.1	24.3	2.23
F30	06 Nov 2015	34	16.85	87.67	7.2	33.38	8.1	24.3	2.12
F30	06 Nov 2015	35	16.82	87.79	7.2	33.38	8.1	24.3	1.98
F30	06 Nov 2015	36	16.74	88.13	7.1	33.38	8.1	24.3	1.79
F30	06 Nov 2015	37	16.61	88.54	7.2	33.39	8.1	24.4	1.70
F30	06 Nov 2015	38	16.57	88.60	7.1	33.39	8.1	24.4	1.63
F30	06 Nov 2015	39	16.54	88.87	7.2	33.39	8.1	24.4	1.61
F30	06 Nov 2015	40	16.53	88.92	7.2	33.39	8.1	24.4	1.58
F30	06 Nov 2015	41	16.53	88.93	7.1	33.39	8.1	24.4	1.58
F30	06 Nov 2015	42	16.52	88.94	7.1	33.39	8.1	24.4	1.56
F30	06 Nov 2015	43	16.52	88.93	7.1	33.39	8.1	24.4	1.54
F30	06 Nov 2015	44	16.51	88.96	7.1	33.39	8.1	24.4	1.51
F30	06 Nov 2015	45	16.48	89.01	7.1	33.39	8.1	24.4	1.48
F30	06 Nov 2015	46	16.46	88.99	7.0	33.39	8.1	24.4	1.43
F30	06 Nov 2015	47	16.42	89.00	7.1	33.39	8.1	24.4	1.42
F30	06 Nov 2015	48	16.40	89.04	7.1	33.40	8.1	24.4	1.38
F30	06 Nov 2015	49	16.38	89.07	7.0	33.39	8.1	24.4	1.33
F30	06 Nov 2015	50	16.37	89.12	7.0	33.40	8.1	24.4	1.32
F30	06 Nov 2015	51	16.37	89.14	7.0	33.40	8.1	24.4	1.34
F30	06 Nov 2015	52	16.38	89.13	7.0	33.40	8.1	24.4	1.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g}/\text{L}$)
F30	06 Nov 2015	53	16.37	89.13	7.0	33.40	8.1	24.4	1.30
F30	06 Nov 2015	54	16.36	89.14	7.0	33.40	8.1	24.4	1.28
F30	06 Nov 2015	55	16.36	89.16	7.0	33.40	8.1	24.4	1.24
F30	06 Nov 2015	56	16.35	89.17	7.0	33.40	8.1	24.4	1.22
F30	06 Nov 2015	57	16.35	89.19	7.0	33.40	8.1	24.4	1.18
F30	06 Nov 2015	58	16.35	89.21	7.0	33.40	8.1	24.4	1.17
F30	06 Nov 2015	59	16.33	89.23	7.0	33.39	8.1	24.4	1.11
F30	06 Nov 2015	60	16.28	89.24	7.0	33.39	8.1	24.4	1.05
F30	06 Nov 2015	61	16.22	89.27	6.9	33.40	8.1	24.5	1.00
F30	06 Nov 2015	62	16.13	89.36	6.8	33.40	8.1	24.5	0.92
F30	06 Nov 2015	63	16.01	89.52	6.7	33.40	8.1	24.5	0.85
F30	06 Nov 2015	64	15.98	89.54	6.7	33.41	8.1	24.5	0.80
F30	06 Nov 2015	65	15.92	89.53	6.7	33.41	8.1	24.5	0.76
F30	06 Nov 2015	66	15.89	89.60	6.7	33.41	8.1	24.5	0.74
F30	06 Nov 2015	67	15.85	89.62	6.7	33.41	8.1	24.6	0.71
F30	06 Nov 2015	68	15.81	89.63	6.7	33.41	8.1	24.6	0.69
F30	06 Nov 2015	69	15.76	89.66	6.7	33.41	8.1	24.6	0.69
F30	06 Nov 2015	70	15.71	89.68	6.6	33.41	8.1	24.6	0.68
F30	06 Nov 2015	71	15.66	89.71	6.6	33.41	8.1	24.6	0.65
F30	06 Nov 2015	72	15.57	89.73	6.5	33.41	8.1	24.6	0.63
F30	06 Nov 2015	73	15.48	89.80	6.5	33.42	8.1	24.6	0.59
F30	06 Nov 2015	74	15.45	89.84	6.4	33.42	8.0	24.7	0.58
F30	06 Nov 2015	75	15.42	89.86	6.4	33.42	8.0	24.7	0.56
F30	06 Nov 2015	76	15.38	89.89	6.4	33.43	8.0	24.7	0.55
F30	06 Nov 2015	77	15.36	89.88	6.4	33.43	8.0	24.7	0.54
F30	06 Nov 2015	78	15.35	89.84	6.4	33.43	8.0	24.7	0.53
F30	06 Nov 2015	79	15.29	89.80	6.4	33.42	8.0	24.7	0.52
F30	06 Nov 2015	80	15.22	89.81	6.2	33.41	8.0	24.7	0.50
F30	06 Nov 2015	81	14.74	89.22	5.9	33.33	8.0	24.7	0.42
F30	06 Nov 2015	82	14.17	86.79	5.6	33.25	8.0	24.8	0.37
F30	06 Nov 2015	83	14.04	84.62	5.6	33.27	8.0	24.8	0.36
F30	06 Nov 2015	84	14.14	85.00	5.7	33.32	8.0	24.9	0.35
F30	06 Nov 2015	85	14.19	85.87	5.8	33.33	8.0	24.9	0.35
F30	06 Nov 2015	86	14.18	86.27	5.7	33.33	8.0	24.9	0.34
F30	06 Nov 2015	87	14.04	86.15	5.6	33.29	8.0	24.9	0.33
F30	06 Nov 2015	88	13.95	85.46	5.6	33.31	8.0	24.9	0.33
F30	06 Nov 2015	89	13.94	85.59	5.6	33.31	8.0	24.9	0.32
F30	06 Nov 2015	90	13.90	85.71	5.5	33.33	7.9	24.9	0.32
F30	06 Nov 2015	91	13.86	86.03	5.5	33.34	7.9	24.9	0.31
F30	06 Nov 2015	92	13.70	86.00	5.4	33.31	7.9	24.9	0.30
F30	06 Nov 2015	93	13.58	85.49	5.3	33.33	7.9	25.0	0.30
F30	06 Nov 2015	94	13.44	85.32	5.3	33.35	7.9	25.0	0.29
F30	06 Nov 2015	95	13.32	85.14	5.2	33.36	7.9	25.1	0.28
F30	06 Nov 2015	96	13.17	84.91	5.0	33.38	7.9	25.1	0.26
F30	06 Nov 2015	97	12.70	84.67	4.8	33.54	7.9	25.3	0.24
F31	06 Nov 2015	1	20.16	89.83	7.3	33.46	8.2	23.5	0.20
F31	06 Nov 2015	2	20.12	89.67	7.3	33.47	8.2	23.6	0.22
F31	06 Nov 2015	3	20.10	89.69	7.3	33.47	8.2	23.6	0.23
F31	06 Nov 2015	4	20.10	89.66	7.3	33.47	8.2	23.6	0.24
F31	06 Nov 2015	5	20.09	89.64	7.3	33.47	8.2	23.6	0.24
F31	06 Nov 2015	6	20.08	89.63	7.3	33.47	8.2	23.6	0.26
F31	06 Nov 2015	7	20.08	89.63	7.3	33.47	8.2	23.6	0.27
F31	06 Nov 2015	8	20.07	89.62	7.3	33.47	8.2	23.6	0.27
F31	06 Nov 2015	9	20.07	89.58	7.3	33.47	8.2	23.6	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F31	06 Nov 2015	10	20.07	89.58	7.3	33.47	8.2	23.6	0.30
F31	06 Nov 2015	11	20.06	89.62	7.3	33.46	8.2	23.6	0.31
F31	06 Nov 2015	12	20.06	89.60	7.4	33.46	8.2	23.6	0.31
F31	06 Nov 2015	13	20.06	89.59	7.4	33.46	8.2	23.6	0.32
F31	06 Nov 2015	14	20.03	89.59	7.3	33.46	8.2	23.6	0.33
F31	06 Nov 2015	15	20.01	89.58	7.3	33.45	8.2	23.6	0.36
F31	06 Nov 2015	16	19.88	89.56	7.4	33.42	8.2	23.6	0.37
F31	06 Nov 2015	17	19.63	89.55	7.5	33.40	8.2	23.6	0.40
F31	06 Nov 2015	18	19.48	89.54	7.5	33.36	8.2	23.6	0.41
F31	06 Nov 2015	19	19.10	89.56	7.7	33.30	8.2	23.7	0.42
F31	06 Nov 2015	20	18.67	89.58	7.8	33.23	8.2	23.8	0.43
F31	06 Nov 2015	21	18.16	89.58	8.0	33.16	8.2	23.8	0.44
F31	06 Nov 2015	22	17.67	89.62	8.2	33.14	8.2	23.9	0.45
F31	06 Nov 2015	23	17.60	89.70	8.2	33.15	8.2	23.9	0.46
F31	06 Nov 2015	24	17.53	89.72	8.2	33.12	8.2	23.9	0.46
F31	06 Nov 2015	25	17.35	89.82	8.2	33.09	8.2	24.0	0.45
F31	06 Nov 2015	26	17.23	89.90	8.2	33.11	8.2	24.0	0.48
F31	06 Nov 2015	27	17.25	89.85	8.0	33.23	8.2	24.1	0.60
F31	06 Nov 2015	28	17.27	89.58	7.9	33.33	8.2	24.2	0.75
F31	06 Nov 2015	29	17.25	89.29	7.8	33.34	8.2	24.2	0.99
F31	06 Nov 2015	30	17.22	88.96	7.8	33.36	8.2	24.2	1.19
F31	06 Nov 2015	31	17.21	88.71	7.7	33.37	8.2	24.2	1.51
F31	06 Nov 2015	32	17.20	88.42	7.7	33.37	8.2	24.2	1.76
F31	06 Nov 2015	33	17.20	87.97	7.7	33.37	8.2	24.2	1.89
F31	06 Nov 2015	34	17.19	87.80	7.7	33.37	8.2	24.2	2.01
F31	06 Nov 2015	35	17.16	87.72	7.6	33.37	8.2	24.2	2.11
F31	06 Nov 2015	36	17.06	87.68	7.4	33.37	8.2	24.2	2.20
F31	06 Nov 2015	37	16.91	87.55	7.2	33.38	8.1	24.3	2.09
F31	06 Nov 2015	38	16.73	87.76	7.1	33.39	8.1	24.3	1.84
F31	06 Nov 2015	39	16.64	88.19	7.1	33.39	8.1	24.4	1.71
F31	06 Nov 2015	40	16.54	88.50	7.1	33.39	8.1	24.4	1.67
F31	06 Nov 2015	41	16.49	88.69	7.1	33.39	8.1	24.4	1.63
F31	06 Nov 2015	42	16.49	88.80	7.2	33.39	8.1	24.4	1.60
F31	06 Nov 2015	43	16.47	88.80	7.1	33.39	8.1	24.4	1.58
F31	06 Nov 2015	44	16.45	88.86	7.1	33.39	8.1	24.4	1.52
F31	06 Nov 2015	45	16.43	88.91	7.1	33.39	8.1	24.4	1.47
F31	06 Nov 2015	46	16.43	89.00	7.1	33.39	8.1	24.4	1.46
F31	06 Nov 2015	47	16.42	89.03	7.1	33.39	8.1	24.4	1.45
F31	06 Nov 2015	48	16.41	89.01	7.1	33.39	8.1	24.4	1.42
F31	06 Nov 2015	49	16.40	89.04	7.1	33.39	8.1	24.4	1.39
F31	06 Nov 2015	50	16.38	89.05	7.0	33.39	8.1	24.4	1.34
F31	06 Nov 2015	51	16.33	89.10	7.0	33.39	8.1	24.4	1.21
F31	06 Nov 2015	52	16.25	89.25	6.9	33.40	8.1	24.5	1.11
F31	06 Nov 2015	53	16.20	89.35	6.9	33.40	8.1	24.5	1.02
F31	06 Nov 2015	54	16.18	89.42	6.9	33.40	8.1	24.5	0.98
F31	06 Nov 2015	55	16.18	89.48	6.9	33.40	8.1	24.5	0.94
F31	06 Nov 2015	56	16.14	89.49	6.8	33.40	8.1	24.5	0.87
F31	06 Nov 2015	57	16.08	89.50	6.8	33.40	8.1	24.5	0.84
F31	06 Nov 2015	58	16.05	89.52	6.8	33.40	8.1	24.5	0.83
F31	06 Nov 2015	59	16.04	89.46	6.8	33.40	8.1	24.5	0.82
F31	06 Nov 2015	60	16.00	89.49	6.8	33.40	8.1	24.5	0.79
F31	06 Nov 2015	61	15.93	89.50	6.7	33.40	8.1	24.5	0.76
F31	06 Nov 2015	62	15.87	89.51	6.7	33.41	8.1	24.6	0.72
F31	06 Nov 2015	63	15.84	89.50	6.6	33.41	8.1	24.6	0.70
F31	06 Nov 2015	64	15.77	89.53	6.6	33.41	8.1	24.6	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F31	06 Nov 2015	65	15.69	89.56	6.6	33.41	8.1	24.6	0.66
F31	06 Nov 2015	66	15.55	89.60	6.5	33.42	8.1	24.6	0.59
F31	06 Nov 2015	67	15.47	89.74	6.4	33.43	8.1	24.7	0.56
F31	06 Nov 2015	68	15.40	89.76	6.4	33.43	8.1	24.7	0.53
F31	06 Nov 2015	69	15.37	89.83	6.4	33.44	8.1	24.7	0.52
F31	06 Nov 2015	70	15.34	89.84	6.4	33.43	8.1	24.7	0.51
F31	06 Nov 2015	71	15.31	89.84	6.3	33.44	8.1	24.7	0.49
F31	06 Nov 2015	72	15.25	89.82	6.3	33.44	8.0	24.7	0.48
F31	06 Nov 2015	73	15.16	89.86	6.2	33.44	8.0	24.7	0.46
F31	06 Nov 2015	74	15.10	89.87	6.2	33.44	8.0	24.7	0.44
F31	06 Nov 2015	75	15.06	89.87	6.2	33.45	8.0	24.8	0.43
F31	06 Nov 2015	76	15.05	89.88	6.2	33.44	8.0	24.8	0.44
F31	06 Nov 2015	77	15.01	89.88	6.2	33.44	8.0	24.8	0.45
F31	06 Nov 2015	78	14.99	89.85	6.2	33.44	8.0	24.8	0.45
F31	06 Nov 2015	79	14.96	89.81	6.2	33.44	8.0	24.8	0.44
F31	06 Nov 2015	80	14.96	89.79	6.2	33.44	8.0	24.8	0.44
F31	06 Nov 2015	81	14.92	89.82	6.2	33.44	8.0	24.8	0.44
F31	06 Nov 2015	82	14.88	89.81	6.2	33.44	8.0	24.8	0.43
F31	06 Nov 2015	83	14.87	89.82	6.2	33.45	8.0	24.8	0.43
F31	06 Nov 2015	84	14.84	89.86	6.1	33.45	8.0	24.8	0.42
F31	06 Nov 2015	85	14.82	89.89	6.1	33.45	8.0	24.8	0.42
F31	06 Nov 2015	86	14.80	89.90	6.1	33.46	8.0	24.8	0.41
F31	06 Nov 2015	87	14.79	89.92	6.0	33.46	8.0	24.8	0.40
F31	06 Nov 2015	88	14.73	89.93	6.0	33.46	8.0	24.8	0.40
F31	06 Nov 2015	89	14.50	89.92	5.8	33.46	8.0	24.9	0.36
F31	06 Nov 2015	90	14.01	89.95	5.7	33.47	8.0	25.0	0.34
F31	06 Nov 2015	91	13.87	90.11	5.8	33.47	8.0	25.0	0.33
F31	06 Nov 2015	92	13.83	90.14	5.8	33.47	8.0	25.0	0.34
F31	06 Nov 2015	93	13.77	90.11	5.7	33.47	8.0	25.1	0.32
F31	06 Nov 2015	94	13.66	89.93	5.7	33.48	8.0	25.1	0.32
F31	06 Nov 2015	95	13.59	89.61	5.7	33.49	8.0	25.1	0.31
F31	06 Nov 2015	96	13.57	89.71	5.7	33.49	8.0	25.1	0.30
F32	06 Nov 2015	1	20.14	90.09	7.3	33.47	8.2	23.6	0.19
F32	06 Nov 2015	2	20.11	90.05	7.4	33.47	8.2	23.6	0.21
F32	06 Nov 2015	3	20.10	89.96	7.3	33.47	8.2	23.6	0.22
F32	06 Nov 2015	4	20.09	89.98	7.3	33.47	8.2	23.6	0.22
F32	06 Nov 2015	5	20.08	89.94	7.3	33.47	8.2	23.6	0.23
F32	06 Nov 2015	6	20.08	89.96	7.3	33.47	8.2	23.6	0.24
F32	06 Nov 2015	7	20.08	89.96	7.3	33.47	8.2	23.6	0.25
F32	06 Nov 2015	8	20.08	89.95	7.3	33.47	8.2	23.6	0.26
F32	06 Nov 2015	9	20.06	89.92	7.4	33.47	8.2	23.6	0.28
F32	06 Nov 2015	10	20.06	89.90	7.4	33.46	8.2	23.6	0.28
F32	06 Nov 2015	11	20.05	89.84	7.3	33.46	8.2	23.6	0.29
F32	06 Nov 2015	12	20.05	89.88	7.3	33.46	8.2	23.6	0.30
F32	06 Nov 2015	13	20.04	89.88	7.3	33.46	8.2	23.6	0.31
F32	06 Nov 2015	14	20.04	89.86	7.4	33.46	8.2	23.6	0.33
F32	06 Nov 2015	15	20.02	89.89	7.4	33.46	8.2	23.6	0.34
F32	06 Nov 2015	16	20.01	89.89	7.4	33.45	8.2	23.6	0.34
F32	06 Nov 2015	17	19.96	89.90	7.4	33.44	8.2	23.6	0.36
F32	06 Nov 2015	18	19.85	89.86	7.5	33.42	8.2	23.6	0.39
F32	06 Nov 2015	19	19.73	89.82	7.5	33.40	8.2	23.6	0.40
F32	06 Nov 2015	20	19.62	89.79	7.5	33.38	8.2	23.6	0.43
F32	06 Nov 2015	21	19.36	89.70	7.6	33.33	8.2	23.7	0.45
F32	06 Nov 2015	22	18.92	89.64	7.8	33.31	8.2	23.7	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F32	06 Nov 2015	23	18.55	89.70	7.8	33.24	8.2	23.8	0.49
F32	06 Nov 2015	24	17.84	89.68	8.1	33.19	8.2	23.9	0.50
F32	06 Nov 2015	25	17.56	89.76	8.2	33.16	8.2	24.0	0.50
F32	06 Nov 2015	26	17.38	89.90	8.2	33.15	8.2	24.0	0.51
F32	06 Nov 2015	27	17.29	89.89	8.2	33.15	8.2	24.0	0.52
F32	06 Nov 2015	28	17.17	89.94	8.2	33.16	8.2	24.1	0.57
F32	06 Nov 2015	29	17.18	89.97	8.0	33.28	8.2	24.2	0.63
F32	06 Nov 2015	30	17.22	89.82	7.9	33.32	8.2	24.2	0.72
F32	06 Nov 2015	31	17.17	89.65	7.8	33.34	8.2	24.2	0.87
F32	06 Nov 2015	32	17.11	89.42	7.8	33.34	8.2	24.2	1.28
F32	06 Nov 2015	33	17.02	88.70	7.8	33.35	8.2	24.2	1.62
F32	06 Nov 2015	34	17.02	89.05	7.7	33.35	8.2	24.2	1.98
F32	06 Nov 2015	35	16.96	88.22	7.5	33.37	8.2	24.3	2.25
F32	06 Nov 2015	36	16.94	87.97	7.5	33.38	8.2	24.3	2.35
F32	06 Nov 2015	37	16.92	88.02	7.4	33.38	8.2	24.3	2.37
F32	06 Nov 2015	38	16.85	88.01	7.4	33.38	8.1	24.3	2.31
F32	06 Nov 2015	39	16.77	88.15	7.3	33.39	8.1	24.3	2.23
F32	06 Nov 2015	40	16.69	88.25	7.2	33.39	8.1	24.3	2.05
F32	06 Nov 2015	41	16.61	88.51	7.2	33.39	8.1	24.4	1.82
F32	06 Nov 2015	42	16.57	88.74	7.2	33.39	8.1	24.4	1.69
F32	06 Nov 2015	43	16.55	88.86	7.2	33.39	8.1	24.4	1.58
F32	06 Nov 2015	44	16.51	88.98	7.1	33.39	8.1	24.4	1.51
F32	06 Nov 2015	45	16.48	88.97	7.1	33.39	8.1	24.4	1.48
F32	06 Nov 2015	46	16.42	89.03	7.0	33.39	8.1	24.4	1.31
F32	06 Nov 2015	47	16.32	89.27	7.0	33.39	8.1	24.4	1.19
F32	06 Nov 2015	48	16.21	89.24	7.0	33.39	8.1	24.5	1.05
F32	06 Nov 2015	49	16.09	89.42	6.9	33.39	8.1	24.5	0.95
F32	06 Nov 2015	50	15.98	89.47	6.8	33.40	8.1	24.5	0.89
F32	06 Nov 2015	51	15.95	89.54	6.8	33.40	8.1	24.5	0.86
F32	06 Nov 2015	52	15.93	89.57	6.8	33.40	8.1	24.5	0.82
F32	06 Nov 2015	53	15.88	89.56	6.8	33.40	8.1	24.5	0.78
F32	06 Nov 2015	54	15.83	89.54	6.7	33.41	8.1	24.6	0.75
F32	06 Nov 2015	55	15.81	89.57	6.7	33.41	8.1	24.6	0.73
F32	06 Nov 2015	56	15.80	89.57	6.7	33.41	8.1	24.6	0.70
F32	06 Nov 2015	57	15.78	89.59	6.7	33.41	8.1	24.6	0.70
F32	06 Nov 2015	58	15.77	89.62	6.7	33.41	8.1	24.6	0.68
F32	06 Nov 2015	59	15.76	89.62	6.6	33.41	8.1	24.6	0.64
F32	06 Nov 2015	60	15.66	89.67	6.5	33.41	8.1	24.6	0.60
F32	06 Nov 2015	61	15.60	89.69	6.5	33.42	8.1	24.6	0.58
F32	06 Nov 2015	62	15.56	89.68	6.5	33.41	8.1	24.6	0.57
F32	06 Nov 2015	63	15.48	89.69	6.5	33.42	8.1	24.6	0.54
F32	06 Nov 2015	64	15.42	89.67	6.4	33.42	8.1	24.7	0.53
F32	06 Nov 2015	65	15.36	89.71	6.4	33.42	8.1	24.7	0.50
F32	06 Nov 2015	66	15.24	89.84	6.3	33.43	8.1	24.7	0.48
F32	06 Nov 2015	67	15.18	89.96	6.3	33.44	8.1	24.7	0.46
F32	06 Nov 2015	68	15.12	89.94	6.2	33.44	8.0	24.7	0.45
F32	06 Nov 2015	69	15.07	90.00	6.2	33.45	8.0	24.8	0.43
F32	06 Nov 2015	70	15.03	90.06	6.2	33.45	8.0	24.8	0.42
F32	06 Nov 2015	71	15.00	90.07	6.2	33.45	8.0	24.8	0.41
F32	06 Nov 2015	72	14.99	90.05	6.1	33.46	8.0	24.8	0.40
F32	06 Nov 2015	73	14.96	90.07	6.1	33.46	8.0	24.8	0.39
F32	06 Nov 2015	74	14.94	90.06	6.1	33.46	8.0	24.8	0.39
F32	06 Nov 2015	75	14.94	90.07	6.1	33.46	8.0	24.8	0.38
F32	06 Nov 2015	76	14.90	90.08	6.1	33.46	8.0	24.8	0.39
F32	06 Nov 2015	77	14.85	90.10	6.0	33.46	8.0	24.8	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F32	06 Nov 2015	78	14.82	90.11	6.0	33.47	8.0	24.8	0.38
F32	06 Nov 2015	79	14.79	90.12	6.1	33.46	8.0	24.8	0.39
F32	06 Nov 2015	80	14.75	90.10	6.1	33.46	8.0	24.8	0.39
F32	06 Nov 2015	81	14.73	90.09	6.0	33.46	8.0	24.8	0.39
F32	06 Nov 2015	82	14.70	90.11	6.0	33.46	8.0	24.8	0.39
F32	06 Nov 2015	83	14.66	90.14	6.0	33.45	8.0	24.9	0.39
F32	06 Nov 2015	84	14.65	90.15	6.1	33.46	8.0	24.9	0.39
F32	06 Nov 2015	85	14.63	90.12	6.0	33.47	8.0	24.9	0.38
F32	06 Nov 2015	86	14.59	90.14	6.0	33.47	8.0	24.9	0.37
F32	06 Nov 2015	87	14.56	90.14	5.9	33.47	8.0	24.9	0.36
F32	06 Nov 2015	88	14.45	90.16	5.9	33.46	8.0	24.9	0.35
F32	06 Nov 2015	89	14.26	90.20	5.8	33.48	8.0	25.0	0.33
F32	06 Nov 2015	90	14.11	90.24	5.7	33.48	8.0	25.0	0.33
F32	06 Nov 2015	91	13.82	90.28	5.8	33.43	8.0	25.0	0.34
F32	06 Nov 2015	92	13.44	90.42	6.0	33.43	8.0	25.1	0.34
F32	06 Nov 2015	93	13.39	90.51	6.0	33.44	8.0	25.1	0.34
F32	06 Nov 2015	94	13.39	90.61	5.9	33.44	8.0	25.1	0.34
F32	06 Nov 2015	95	13.40	90.62	5.9	33.45	8.0	25.1	0.33
F32	06 Nov 2015	96	13.40	90.55	5.7	33.47	8.0	25.1	0.30
F32	06 Nov 2015	97	13.34	89.82	5.4	33.51	8.0	25.2	0.29
F32	06 Nov 2015	98	13.33	89.33	5.4	33.51	8.0	25.2	0.42
F33	06 Nov 2015	1	20.21	89.47	7.2	33.47	8.2	23.5	0.24
F33	06 Nov 2015	2	20.19	89.60	7.3	33.47	8.2	23.5	0.24
F33	06 Nov 2015	3	20.19	89.71	7.3	33.47	8.2	23.5	0.24
F33	06 Nov 2015	4	20.18	89.80	7.3	33.47	8.2	23.5	0.25
F33	06 Nov 2015	5	20.18	89.80	7.3	33.47	8.2	23.5	0.26
F33	06 Nov 2015	6	20.17	89.80	7.3	33.47	8.2	23.6	0.27
F33	06 Nov 2015	7	20.18	89.78	7.3	33.47	8.2	23.5	0.27
F33	06 Nov 2015	8	20.18	89.79	7.3	33.47	8.2	23.5	0.28
F33	06 Nov 2015	9	20.18	89.77	7.3	33.47	8.2	23.5	0.29
F33	06 Nov 2015	10	20.17	89.77	7.3	33.47	8.2	23.6	0.29
F33	06 Nov 2015	11	20.16	89.70	7.3	33.47	8.2	23.6	0.31
F33	06 Nov 2015	12	20.15	89.71	7.3	33.47	8.2	23.6	0.33
F33	06 Nov 2015	13	20.15	89.72	7.3	33.47	8.2	23.6	0.34
F33	06 Nov 2015	14	20.15	89.74	7.3	33.47	8.2	23.6	0.35
F33	06 Nov 2015	15	20.15	89.75	7.3	33.47	8.2	23.6	0.36
F33	06 Nov 2015	16	20.15	89.73	7.3	33.47	8.2	23.6	0.37
F33	06 Nov 2015	17	20.14	89.70	7.3	33.47	8.2	23.6	0.37
F33	06 Nov 2015	18	20.14	89.71	7.3	33.47	8.2	23.6	0.39
F33	06 Nov 2015	19	20.12	89.71	7.3	33.47	8.2	23.6	0.41
F33	06 Nov 2015	20	20.11	89.73	7.3	33.46	8.2	23.6	0.42
F33	06 Nov 2015	21	20.05	89.72	7.4	33.45	8.2	23.6	0.46
F33	06 Nov 2015	22	19.76	89.68	7.5	33.40	8.2	23.6	0.49
F33	06 Nov 2015	23	19.38	89.66	7.6	33.36	8.2	23.7	0.53
F33	06 Nov 2015	24	18.95	89.61	7.7	33.31	8.2	23.7	0.55
F33	06 Nov 2015	25	18.44	89.54	7.9	33.31	8.2	23.9	0.58
F33	06 Nov 2015	26	18.26	89.58	7.9	33.34	8.2	23.9	0.61
F33	06 Nov 2015	27	18.09	89.68	7.9	33.32	8.2	24.0	0.64
F33	06 Nov 2015	28	17.87	89.71	7.9	33.29	8.2	24.0	0.65
F33	06 Nov 2015	29	17.46	89.75	8.0	33.26	8.2	24.1	0.71
F33	06 Nov 2015	30	17.36	89.79	7.9	33.27	8.2	24.1	0.82
F33	06 Nov 2015	31	17.16	89.67	8.0	33.25	8.2	24.1	1.00
F33	06 Nov 2015	32	17.11	89.47	8.0	33.26	8.2	24.2	1.18
F33	06 Nov 2015	33	17.10	89.40	7.9	33.28	8.2	24.2	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F33	06 Nov 2015	34	16.96	89.24	7.9	33.30	8.2	24.2	1.20
F33	06 Nov 2015	35	16.87	89.40	7.8	33.30	8.2	24.2	1.47
F33	06 Nov 2015	36	16.77	89.18	7.8	33.33	8.2	24.3	1.76
F33	06 Nov 2015	37	16.73	89.05	7.7	33.35	8.2	24.3	1.95
F33	06 Nov 2015	38	16.71	89.10	7.6	33.36	8.2	24.3	2.15
F33	06 Nov 2015	39	16.61	88.67	7.5	33.37	8.2	24.4	2.24
F33	06 Nov 2015	40	16.56	88.91	7.4	33.37	8.1	24.4	2.22
F33	06 Nov 2015	41	16.44	88.71	7.4	33.36	8.1	24.4	2.10
F33	06 Nov 2015	42	16.35	88.78	7.5	33.37	8.1	24.4	1.98
F33	06 Nov 2015	43	16.32	88.93	7.5	33.37	8.1	24.4	1.86
F33	06 Nov 2015	44	16.29	89.11	7.5	33.37	8.1	24.4	1.76
F33	06 Nov 2015	45	16.25	89.20	7.4	33.37	8.1	24.4	1.71
F33	06 Nov 2015	46	16.20	89.21	7.3	33.37	8.1	24.5	1.59
F33	06 Nov 2015	47	16.09	89.42	7.2	33.38	8.1	24.5	1.42
F33	06 Nov 2015	48	16.04	89.52	7.1	33.39	8.1	24.5	1.29
F33	06 Nov 2015	49	15.94	89.54	6.9	33.40	8.1	24.5	1.17
F33	06 Nov 2015	50	15.90	89.70	6.8	33.41	8.1	24.5	1.08
F33	06 Nov 2015	51	15.83	89.75	6.7	33.41	8.1	24.6	0.94
F33	06 Nov 2015	52	15.80	89.73	6.7	33.41	8.1	24.6	0.88
F33	06 Nov 2015	53	15.79	89.74	6.7	33.41	8.1	24.6	0.82
F33	06 Nov 2015	54	15.77	89.63	6.7	33.41	8.1	24.6	0.79
F33	06 Nov 2015	55	15.76	89.62	6.7	33.41	8.1	24.6	0.76
F33	06 Nov 2015	56	15.75	89.55	6.7	33.41	8.1	24.6	0.75
F33	06 Nov 2015	57	15.73	89.54	6.6	33.41	8.1	24.6	0.73
F33	06 Nov 2015	58	15.72	89.54	6.6	33.41	8.1	24.6	0.71
F33	06 Nov 2015	59	15.69	89.54	6.7	33.41	8.1	24.6	0.69
F33	06 Nov 2015	60	15.64	89.53	6.6	33.41	8.1	24.6	0.69
F33	06 Nov 2015	61	15.62	89.55	6.6	33.41	8.1	24.6	0.68
F33	06 Nov 2015	62	15.58	89.57	6.6	33.41	8.1	24.6	0.70
F33	06 Nov 2015	63	15.54	89.67	6.6	33.41	8.1	24.6	0.71
F33	06 Nov 2015	64	15.50	89.76	6.6	33.41	8.1	24.6	0.68
F33	06 Nov 2015	65	15.33	89.85	6.5	33.41	8.1	24.7	0.65
F33	06 Nov 2015	66	15.23	89.91	6.4	33.42	8.1	24.7	0.62
F33	06 Nov 2015	67	15.10	90.06	6.4	33.42	8.1	24.7	0.55
F33	06 Nov 2015	68	15.05	90.01	6.3	33.42	8.0	24.7	0.51
F33	06 Nov 2015	69	15.00	89.90	6.3	33.42	8.0	24.8	0.48
F33	06 Nov 2015	70	14.98	89.83	6.2	33.43	8.0	24.8	0.47
F33	06 Nov 2015	71	14.92	89.87	6.2	33.42	8.0	24.8	0.46
F33	06 Nov 2015	72	14.87	89.82	6.2	33.42	8.0	24.8	0.44
F33	06 Nov 2015	73	14.84	89.76	6.1	33.43	8.0	24.8	0.42
F33	06 Nov 2015	74	14.82	89.79	6.2	33.44	8.0	24.8	0.44
F33	06 Nov 2015	75	14.81	89.88	6.2	33.44	8.0	24.8	0.46
F33	06 Nov 2015	76	14.78	89.97	6.2	33.44	8.0	24.8	0.47
F33	06 Nov 2015	77	14.75	90.05	6.3	33.43	8.0	24.8	0.49
F33	06 Nov 2015	78	14.61	90.16	6.3	33.42	8.0	24.8	0.47
F33	06 Nov 2015	79	14.54	90.25	6.3	33.43	8.0	24.9	0.46
F33	06 Nov 2015	80	14.51	90.28	6.3	33.43	8.0	24.9	0.45
F33	06 Nov 2015	81	14.48	90.29	6.3	33.42	8.0	24.9	0.44
F33	06 Nov 2015	82	14.42	90.32	6.3	33.42	8.0	24.9	0.43
F33	06 Nov 2015	83	14.43	90.34	6.1	33.45	8.0	24.9	0.41
F33	06 Nov 2015	84	14.34	90.36	5.9	33.43	8.0	24.9	0.38
F33	06 Nov 2015	85	13.93	90.39	5.9	33.45	8.0	25.0	0.37
F33	06 Nov 2015	86	13.84	90.40	5.9	33.46	8.0	25.0	0.35
F33	06 Nov 2015	87	13.69	90.47	6.0	33.43	8.0	25.0	0.36
F33	06 Nov 2015	88	13.59	90.61	6.0	33.44	8.0	25.1	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F33	06 Nov 2015	89	13.39	90.65	6.0	33.42	8.0	25.1	0.34
F33	06 Nov 2015	90	13.36	90.75	6.0	33.43	8.0	25.1	0.35
F33	06 Nov 2015	91	13.33	90.73	6.0	33.43	8.0	25.1	0.36
F33	06 Nov 2015	92	13.31	90.75	6.0	33.43	8.0	25.1	0.36
F33	06 Nov 2015	93	13.30	90.76	6.0	33.44	8.0	25.1	0.35
F33	06 Nov 2015	94	13.29	90.74	5.9	33.44	8.0	25.1	0.35
F33	06 Nov 2015	95	13.29	90.73	5.9	33.44	8.0	25.1	0.33
F33	06 Nov 2015	96	13.34	90.71	5.7	33.48	8.0	25.1	0.31
F33	06 Nov 2015	97	13.37	90.06	5.5	33.51	8.0	25.2	0.29
F33	06 Nov 2015	98	13.35	89.76	5.3	33.52	8.0	25.2	0.27
F33	06 Nov 2015	99	13.31	86.29	5.2	33.54	7.9	25.2	0.32
F34	06 Nov 2015	1	20.41	88.53	7.3	33.50	8.2	23.5	0.25
F34	06 Nov 2015	2	20.41	89.54	7.3	33.50	8.2	23.5	0.25
F34	06 Nov 2015	3	20.41	89.76	7.3	33.50	8.2	23.5	0.25
F34	06 Nov 2015	4	20.41	89.89	7.3	33.50	8.2	23.5	0.26
F34	06 Nov 2015	5	20.40	89.88	7.3	33.49	8.2	23.5	0.28
F34	06 Nov 2015	6	20.39	89.79	7.3	33.49	8.2	23.5	0.30
F34	06 Nov 2015	7	20.39	89.77	7.3	33.49	8.2	23.5	0.30
F34	06 Nov 2015	8	20.39	89.56	7.3	33.49	8.2	23.5	0.30
F34	06 Nov 2015	9	20.38	89.52	7.3	33.49	8.2	23.5	0.33
F34	06 Nov 2015	10	20.38	89.56	7.2	33.49	8.2	23.5	0.33
F34	06 Nov 2015	11	20.38	89.62	7.3	33.49	8.2	23.5	0.34
F34	06 Nov 2015	12	20.38	89.64	7.3	33.49	8.2	23.5	0.35
F34	06 Nov 2015	13	20.38	89.73	7.3	33.49	8.2	23.5	0.37
F34	06 Nov 2015	14	20.38	89.66	7.3	33.49	8.2	23.5	0.38
F34	06 Nov 2015	15	20.37	89.78	7.3	33.49	8.2	23.5	0.39
F34	06 Nov 2015	16	20.36	89.83	7.2	33.49	8.2	23.5	0.39
F34	06 Nov 2015	17	20.36	89.77	7.3	33.49	8.2	23.5	0.40
F34	06 Nov 2015	18	20.36	89.77	7.3	33.49	8.2	23.5	0.41
F34	06 Nov 2015	19	20.31	89.82	7.3	33.47	8.2	23.5	0.45
F34	06 Nov 2015	20	19.70	89.77	7.5	33.41	8.2	23.6	0.50
F34	06 Nov 2015	21	19.22	89.68	7.6	33.41	8.2	23.8	0.53
F34	06 Nov 2015	22	18.79	89.64	7.7	33.37	8.2	23.8	0.59
F34	06 Nov 2015	23	18.47	89.61	7.8	33.36	8.2	23.9	0.62
F34	06 Nov 2015	24	18.27	89.37	7.9	33.36	8.2	24.0	0.65
F34	06 Nov 2015	25	18.22	89.26	7.9	33.36	8.2	24.0	0.67
F34	06 Nov 2015	26	18.16	89.39	7.9	33.37	8.2	24.0	0.71
F34	06 Nov 2015	27	18.12	89.42	7.8	33.37	8.2	24.0	0.75
F34	06 Nov 2015	28	17.90	89.50	7.8	33.35	8.2	24.0	0.80
F34	06 Nov 2015	29	17.73	89.49	7.8	33.36	8.2	24.1	0.84
F34	06 Nov 2015	30	17.65	89.44	7.8	33.35	8.2	24.1	0.88
F34	06 Nov 2015	31	17.55	89.45	7.8	33.35	8.2	24.1	0.91
F34	06 Nov 2015	32	17.47	89.47	7.8	33.34	8.2	24.1	0.96
F34	06 Nov 2015	33	17.41	89.46	7.8	33.34	8.2	24.1	0.98
F34	06 Nov 2015	34	17.31	89.51	7.8	33.33	8.2	24.2	1.06
F34	06 Nov 2015	35	17.18	89.52	7.7	33.32	8.2	24.2	1.12
F34	06 Nov 2015	36	16.97	89.44	7.7	33.28	8.2	24.2	1.27
F34	06 Nov 2015	37	16.52	89.45	7.9	33.27	8.2	24.3	1.39
F34	06 Nov 2015	38	16.41	89.45	7.9	33.27	8.2	24.3	1.39
F34	06 Nov 2015	39	16.28	89.48	7.9	33.26	8.2	24.3	1.36
F34	06 Nov 2015	40	16.19	89.57	7.9	33.26	8.2	24.4	1.35
F34	06 Nov 2015	41	16.16	89.68	7.9	33.25	8.2	24.4	1.34
F34	06 Nov 2015	42	16.05	89.72	7.9	33.26	8.2	24.4	1.34
F34	06 Nov 2015	43	15.99	89.71	7.8	33.25	8.2	24.4	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F34	06 Nov 2015	44	15.91	89.81	7.8	33.27	8.2	24.4	1.33
F34	06 Nov 2015	45	15.90	89.83	7.8	33.27	8.2	24.4	1.30
F34	06 Nov 2015	46	15.91	89.88	7.7	33.30	8.1	24.5	1.29
F34	06 Nov 2015	47	15.97	89.88	7.5	33.33	8.1	24.5	1.30
F34	06 Nov 2015	48	16.03	89.85	7.3	33.35	8.1	24.5	1.29
F34	06 Nov 2015	49	16.01	89.78	7.3	33.36	8.1	24.5	1.28
F34	06 Nov 2015	50	16.00	89.75	7.2	33.37	8.1	24.5	1.21
F34	06 Nov 2015	51	15.94	89.71	7.2	33.37	8.1	24.5	1.18
F34	06 Nov 2015	52	15.87	89.71	7.1	33.37	8.1	24.5	1.15
F34	06 Nov 2015	53	15.87	89.72	7.0	33.38	8.1	24.5	1.12
F34	06 Nov 2015	54	15.77	89.72	7.1	33.37	8.1	24.5	1.09
F34	06 Nov 2015	55	15.67	89.86	7.2	33.36	8.1	24.6	1.04
F34	06 Nov 2015	56	15.64	89.95	7.1	33.37	8.1	24.6	1.03
F34	06 Nov 2015	57	15.61	90.00	7.1	33.37	8.1	24.6	1.00
F34	06 Nov 2015	58	15.52	89.98	7.1	33.36	8.1	24.6	0.97
F34	06 Nov 2015	59	15.34	89.90	7.3	33.32	8.1	24.6	0.96
F34	06 Nov 2015	60	15.27	89.79	7.3	33.33	8.1	24.6	0.93
F34	06 Nov 2015	61	15.29	90.09	7.2	33.34	8.1	24.6	0.91
F34	06 Nov 2015	62	15.23	90.08	7.2	33.34	8.1	24.6	0.89
F34	06 Nov 2015	63	15.18	90.19	7.1	33.35	8.1	24.7	0.86
F34	06 Nov 2015	64	14.95	90.18	7.2	33.31	8.1	24.7	0.83
F34	06 Nov 2015	65	14.83	90.18	7.3	33.31	8.1	24.7	0.84
F34	06 Nov 2015	66	14.74	90.43	7.4	33.29	8.1	24.7	0.82
F34	06 Nov 2015	67	14.62	90.53	7.4	33.29	8.1	24.7	0.78
F34	06 Nov 2015	68	14.54	90.56	7.4	33.29	8.1	24.8	0.76
F34	06 Nov 2015	69	14.51	90.68	7.3	33.30	8.1	24.8	0.73
F34	06 Nov 2015	70	14.49	90.39	7.3	33.30	8.1	24.8	0.72
F34	06 Nov 2015	71	14.45	90.68	7.2	33.30	8.1	24.8	0.68
F34	06 Nov 2015	72	14.32	90.45	7.1	33.29	8.1	24.8	0.65
F34	06 Nov 2015	73	14.20	90.61	7.0	33.32	8.1	24.8	0.63
F34	06 Nov 2015	74	14.19	90.77	6.8	33.34	8.1	24.9	0.58
F34	06 Nov 2015	75	14.11	90.58	6.8	33.34	8.1	24.9	0.56
F34	06 Nov 2015	76	14.08	90.67	6.8	33.35	8.1	24.9	0.53
F34	06 Nov 2015	77	14.07	90.61	6.8	33.35	8.1	24.9	0.53
F34	06 Nov 2015	78	14.04	90.67	6.7	33.35	8.1	24.9	0.53
F34	06 Nov 2015	79	13.90	90.70	6.7	33.32	8.0	24.9	0.52
F34	06 Nov 2015	80	13.69	90.70	6.8	33.33	8.0	25.0	0.51
F34	06 Nov 2015	81	13.62	90.90	6.7	33.32	8.0	25.0	0.49
F34	06 Nov 2015	82	13.53	90.84	6.7	33.33	8.0	25.0	0.50
F34	06 Nov 2015	83	13.50	90.93	6.6	33.33	8.0	25.0	0.47
F34	06 Nov 2015	84	13.33	90.78	6.5	33.35	8.0	25.1	0.46
F34	06 Nov 2015	85	13.30	90.95	6.4	33.36	8.0	25.1	0.44
F34	06 Nov 2015	86	13.29	91.05	6.4	33.37	8.0	25.1	0.44
F34	06 Nov 2015	87	13.30	90.99	6.4	33.37	8.0	25.1	0.43
F34	06 Nov 2015	88	13.29	91.06	6.3	33.37	8.0	25.1	0.41
F34	06 Nov 2015	89	13.27	91.08	6.1	33.41	8.0	25.1	0.38
F34	06 Nov 2015	90	13.26	90.96	6.0	33.43	8.0	25.1	0.37
F34	06 Nov 2015	91	13.26	90.86	5.9	33.43	8.0	25.1	0.36
F34	06 Nov 2015	92	13.25	90.89	5.8	33.45	8.0	25.1	0.34
F34	06 Nov 2015	93	13.26	90.85	5.6	33.48	8.0	25.2	0.30
F34	06 Nov 2015	94	13.34	90.73	5.4	33.53	8.0	25.2	0.28
F34	06 Nov 2015	95	13.33	89.70	5.3	33.53	8.0	25.2	0.27
F34	06 Nov 2015	96	13.32	89.40	5.2	33.54	7.9	25.2	0.26
F34	06 Nov 2015	97	13.28	89.13	5.2	33.54	7.9	25.2	0.25
F34	06 Nov 2015	98	13.17	88.07	5.0	33.56	7.9	25.2	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F35	06 Nov 2015	1	20.57	89.92	7.2	33.52	8.2	23.5	0.22
F35	06 Nov 2015	2	20.57	89.85	7.2	33.52	8.2	23.5	0.22
F35	06 Nov 2015	3	20.57	89.96	7.2	33.52	8.2	23.5	0.23
F35	06 Nov 2015	4	20.56	89.99	7.3	33.52	8.2	23.5	0.24
F35	06 Nov 2015	5	20.56	90.01	7.2	33.52	8.2	23.5	0.25
F35	06 Nov 2015	6	20.56	90.01	7.3	33.52	8.2	23.5	0.27
F35	06 Nov 2015	7	20.56	90.01	7.3	33.52	8.2	23.5	0.27
F35	06 Nov 2015	8	20.56	90.01	7.2	33.52	8.2	23.5	0.28
F35	06 Nov 2015	9	20.56	89.99	7.2	33.52	8.2	23.5	0.29
F35	06 Nov 2015	10	20.56	90.00	7.2	33.52	8.2	23.5	0.30
F35	06 Nov 2015	11	20.56	90.00	7.2	33.52	8.2	23.5	0.31
F35	06 Nov 2015	12	20.56	90.02	7.2	33.52	8.2	23.5	0.32
F35	06 Nov 2015	13	20.55	89.98	7.2	33.52	8.2	23.5	0.33
F35	06 Nov 2015	14	20.55	89.99	7.2	33.52	8.2	23.5	0.34
F35	06 Nov 2015	15	20.55	90.00	7.3	33.52	8.2	23.5	0.35
F35	06 Nov 2015	16	20.55	89.99	7.3	33.52	8.2	23.5	0.36
F35	06 Nov 2015	17	20.55	89.97	7.2	33.52	8.2	23.5	0.37
F35	06 Nov 2015	18	20.50	89.99	7.3	33.51	8.2	23.5	0.40
F35	06 Nov 2015	19	20.38	89.94	7.3	33.50	8.2	23.5	0.43
F35	06 Nov 2015	20	20.11	89.88	7.4	33.45	8.2	23.5	0.45
F35	06 Nov 2015	21	19.55	89.88	7.6	33.42	8.2	23.7	0.49
F35	06 Nov 2015	22	18.90	89.81	7.9	33.38	8.2	23.8	0.52
F35	06 Nov 2015	23	18.68	89.65	7.9	33.39	8.2	23.9	0.55
F35	06 Nov 2015	24	18.56	89.67	7.9	33.39	8.2	23.9	0.59
F35	06 Nov 2015	25	18.49	89.68	7.8	33.38	8.2	23.9	0.61
F35	06 Nov 2015	26	18.42	89.64	7.9	33.39	8.2	23.9	0.62
F35	06 Nov 2015	27	18.38	89.67	7.8	33.39	8.2	23.9	0.66
F35	06 Nov 2015	28	18.31	89.66	7.8	33.38	8.2	24.0	0.69
F35	06 Nov 2015	29	18.22	89.66	7.8	33.39	8.2	24.0	0.71
F35	06 Nov 2015	30	18.10	89.67	7.8	33.38	8.2	24.0	0.72
F35	06 Nov 2015	31	17.96	89.66	7.8	33.37	8.2	24.0	0.75
F35	06 Nov 2015	32	17.85	89.63	7.8	33.37	8.2	24.1	0.81
F35	06 Nov 2015	33	17.70	89.61	7.8	33.36	8.2	24.1	0.84
F35	06 Nov 2015	34	17.60	89.52	7.7	33.36	8.2	24.1	0.89
F35	06 Nov 2015	35	17.40	89.44	7.6	33.37	8.2	24.2	1.00
F35	06 Nov 2015	36	17.25	89.35	7.6	33.38	8.2	24.2	1.16
F35	06 Nov 2015	37	17.16	89.30	7.6	33.38	8.2	24.2	1.33
F35	06 Nov 2015	38	17.08	88.99	7.6	33.38	8.2	24.3	1.50
F35	06 Nov 2015	39	16.94	88.91	7.6	33.37	8.2	24.3	1.58
F35	06 Nov 2015	40	16.80	88.91	7.7	33.36	8.2	24.3	1.58
F35	06 Nov 2015	41	16.75	89.00	7.6	33.37	8.2	24.3	1.72
F35	06 Nov 2015	42	16.75	88.91	7.4	33.38	8.1	24.3	1.80
F35	06 Nov 2015	43	16.58	88.85	7.4	33.39	8.1	24.4	1.77
F35	06 Nov 2015	44	16.55	88.88	7.4	33.38	8.1	24.4	1.72
F35	06 Nov 2015	45	16.49	89.10	7.4	33.38	8.1	24.4	1.64
F35	06 Nov 2015	46	16.46	89.13	7.5	33.37	8.1	24.4	1.61
F35	06 Nov 2015	47	16.41	89.29	7.5	33.37	8.1	24.4	1.55
F35	06 Nov 2015	48	16.39	89.33	7.5	33.36	8.1	24.4	1.49
F35	06 Nov 2015	49	16.21	89.43	7.5	33.33	8.1	24.4	1.37
F35	06 Nov 2015	50	15.97	89.49	7.5	33.34	8.1	24.5	1.30
F35	06 Nov 2015	51	15.88	89.84	7.5	33.33	8.1	24.5	1.23
F35	06 Nov 2015	52	15.87	89.88	7.5	33.34	8.1	24.5	1.23
F35	06 Nov 2015	53	15.85	89.91	7.5	33.33	8.1	24.5	1.20
F35	06 Nov 2015	54	15.80	90.03	7.5	33.33	8.1	24.5	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F35	06 Nov 2015	55	15.67	90.05	7.6	33.31	8.1	24.5	1.11
F35	06 Nov 2015	56	15.56	90.20	7.6	33.30	8.1	24.5	1.11
F35	06 Nov 2015	57	15.50	90.24	7.6	33.29	8.1	24.5	1.09
F35	06 Nov 2015	58	15.39	90.30	7.7	33.28	8.1	24.6	1.06
F35	06 Nov 2015	59	15.28	90.32	7.6	33.27	8.1	24.6	0.99
F35	06 Nov 2015	60	14.84	90.45	7.5	33.28	8.1	24.7	0.89
F35	06 Nov 2015	61	14.74	90.57	7.5	33.28	8.1	24.7	0.85
F35	06 Nov 2015	62	14.69	90.70	7.5	33.28	8.1	24.7	0.85
F35	06 Nov 2015	63	14.66	90.64	7.4	33.29	8.1	24.7	0.80
F35	06 Nov 2015	64	14.62	90.75	7.4	33.29	8.1	24.7	0.78
F35	06 Nov 2015	65	14.60	90.77	7.4	33.29	8.1	24.7	0.78
F35	06 Nov 2015	66	14.55	90.80	7.3	33.29	8.1	24.7	0.74
F35	06 Nov 2015	67	14.43	90.83	7.3	33.29	8.1	24.8	0.72
F35	06 Nov 2015	68	14.35	90.79	7.3	33.30	8.1	24.8	0.68
F35	06 Nov 2015	69	14.25	90.88	7.2	33.30	8.1	24.8	0.63
F35	06 Nov 2015	70	14.10	90.92	7.0	33.30	8.1	24.9	0.59
F35	06 Nov 2015	71	13.93	91.01	6.9	33.32	8.1	24.9	0.55
F35	06 Nov 2015	72	13.85	91.02	6.8	33.32	8.1	24.9	0.53
F35	06 Nov 2015	73	13.75	91.03	6.8	33.32	8.1	24.9	0.51
F35	06 Nov 2015	74	13.65	91.04	6.8	33.32	8.0	25.0	0.51
F35	06 Nov 2015	75	13.58	91.07	6.8	33.33	8.0	25.0	0.51
F35	06 Nov 2015	76	13.56	91.06	6.8	33.33	8.0	25.0	0.51
F35	06 Nov 2015	77	13.52	91.07	6.7	33.33	8.0	25.0	0.49
F35	06 Nov 2015	78	13.48	91.09	6.6	33.34	8.0	25.0	0.48
F35	06 Nov 2015	79	13.39	91.09	6.6	33.34	8.0	25.0	0.46
F35	06 Nov 2015	80	13.30	91.12	6.4	33.36	8.0	25.1	0.43
F35	06 Nov 2015	81	13.30	91.12	6.3	33.38	8.0	25.1	0.42
F35	06 Nov 2015	82	13.28	91.09	6.2	33.39	8.0	25.1	0.39
F35	06 Nov 2015	83	13.30	91.04	6.0	33.43	8.0	25.1	0.36
F35	06 Nov 2015	84	13.32	90.97	5.9	33.44	8.0	25.1	0.35
F35	06 Nov 2015	85	13.36	90.89	5.9	33.45	8.0	25.1	0.33
F35	06 Nov 2015	86	13.47	90.89	5.6	33.50	8.0	25.1	0.30
F35	06 Nov 2015	87	13.51	90.71	5.5	33.51	8.0	25.1	0.28
F35	06 Nov 2015	88	13.50	90.64	5.5	33.52	8.0	25.1	0.28
F35	06 Nov 2015	89	13.44	90.66	5.5	33.51	8.0	25.2	0.27
F35	06 Nov 2015	90	13.36	90.74	5.4	33.52	8.0	25.2	0.26
F35	06 Nov 2015	91	13.30	90.72	5.3	33.54	7.9	25.2	0.26
F35	06 Nov 2015	92	13.27	90.73	5.3	33.55	7.9	25.2	0.24
F35	06 Nov 2015	93	13.24	90.25	5.2	33.55	7.9	25.2	0.24
F35	06 Nov 2015	94	13.22	90.12	5.2	33.56	7.9	25.2	0.23
F35	06 Nov 2015	95	13.21	90.54	5.1	33.56	7.9	25.2	0.23
F35	06 Nov 2015	96	13.16	90.69	5.1	33.57	7.9	25.2	0.23
F35	06 Nov 2015	97	13.15	90.61	5.0	33.57	7.9	25.3	0.23
F35	06 Nov 2015	98	13.06	90.37	5.0	33.58	7.9	25.3	0.22
F35	06 Nov 2015	99	13.05	90.39	4.9	33.58	7.9	25.3	0.22
F36	06 Nov 2015	1	20.41	89.84	7.3	33.49	8.2	23.5	0.29
F36	06 Nov 2015	2	20.40	89.79	7.3	33.49	8.2	23.5	0.29
F36	06 Nov 2015	3	20.40	89.90	7.3	33.49	8.2	23.5	0.29
F36	06 Nov 2015	4	20.40	89.97	7.3	33.49	8.2	23.5	0.30
F36	06 Nov 2015	5	20.40	89.97	7.3	33.49	8.2	23.5	0.32
F36	06 Nov 2015	6	20.40	89.96	7.3	33.49	8.2	23.5	0.32
F36	06 Nov 2015	7	20.40	89.97	7.3	33.49	8.2	23.5	0.33
F36	06 Nov 2015	8	20.40	89.92	7.3	33.49	8.2	23.5	0.34
F36	06 Nov 2015	9	20.40	89.96	7.3	33.49	8.2	23.5	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	06 Nov 2015	10	20.39	89.98	7.3	33.49	8.2	23.5	0.36
F36	06 Nov 2015	11	20.39	89.97	7.3	33.49	8.2	23.5	0.36
F36	06 Nov 2015	12	20.39	89.96	7.3	33.49	8.2	23.5	0.38
F36	06 Nov 2015	13	20.39	89.99	7.3	33.49	8.2	23.5	0.38
F36	06 Nov 2015	14	20.39	89.98	7.2	33.49	8.2	23.5	0.39
F36	06 Nov 2015	15	20.38	89.98	7.3	33.49	8.2	23.5	0.39
F36	06 Nov 2015	16	20.38	89.97	7.3	33.49	8.2	23.5	0.40
F36	06 Nov 2015	17	20.37	90.01	7.3	33.49	8.2	23.5	0.40
F36	06 Nov 2015	18	20.37	90.01	7.3	33.49	8.2	23.5	0.40
F36	06 Nov 2015	19	20.32	90.00	7.3	33.47	8.2	23.5	0.42
F36	06 Nov 2015	20	20.01	89.96	7.4	33.44	8.2	23.6	0.44
F36	06 Nov 2015	21	19.64	89.90	7.6	33.38	8.2	23.6	0.46
F36	06 Nov 2015	22	19.09	89.81	7.8	33.33	8.2	23.7	0.48
F36	06 Nov 2015	23	18.67	89.80	7.9	33.31	8.2	23.8	0.49
F36	06 Nov 2015	24	18.51	89.76	7.9	33.35	8.2	23.9	0.55
F36	06 Nov 2015	25	18.40	89.69	7.9	33.35	8.2	23.9	0.59
F36	06 Nov 2015	26	18.20	89.67	7.8	33.35	8.2	24.0	0.63
F36	06 Nov 2015	27	17.97	89.63	7.8	33.36	8.2	24.0	0.71
F36	06 Nov 2015	28	17.76	89.59	7.8	33.36	8.2	24.1	0.79
F36	06 Nov 2015	29	17.45	89.43	7.7	33.36	8.2	24.1	0.90
F36	06 Nov 2015	30	17.29	89.27	7.7	33.38	8.2	24.2	1.02
F36	06 Nov 2015	31	17.25	89.03	7.6	33.39	8.1	24.2	1.11
F36	06 Nov 2015	32	17.23	88.92	7.6	33.39	8.1	24.2	1.17
F36	06 Nov 2015	33	17.21	88.92	7.6	33.39	8.1	24.2	1.19
F36	06 Nov 2015	34	17.14	89.02	7.7	33.38	8.1	24.2	1.21
F36	06 Nov 2015	35	17.02	89.14	7.7	33.37	8.1	24.3	1.20
F36	06 Nov 2015	36	16.86	89.26	7.9	33.33	8.1	24.3	1.13
F36	06 Nov 2015	37	16.78	89.52	7.9	33.33	8.2	24.3	1.19
F36	06 Nov 2015	38	16.77	89.23	7.7	33.35	8.2	24.3	1.53
F36	06 Nov 2015	39	16.71	88.86	7.7	33.34	8.1	24.3	1.52
F36	06 Nov 2015	40	16.54	89.23	7.8	33.33	8.1	24.3	1.53
F36	06 Nov 2015	41	16.52	89.11	7.7	33.35	8.1	24.4	1.53
F36	06 Nov 2015	42	16.52	89.15	7.6	33.35	8.1	24.4	1.55
F36	06 Nov 2015	43	16.53	89.12	7.5	33.38	8.1	24.4	1.64
F36	06 Nov 2015	44	16.56	89.01	7.4	33.39	8.1	24.4	1.73
F36	06 Nov 2015	45	16.51	88.91	7.3	33.39	8.1	24.4	1.71
F36	06 Nov 2015	46	16.33	89.16	7.4	33.37	8.1	24.4	1.55
F36	06 Nov 2015	47	16.08	89.43	7.5	33.33	8.1	24.4	1.41
F36	06 Nov 2015	48	15.90	89.67	7.6	33.32	8.1	24.5	1.32
F36	06 Nov 2015	49	15.80	89.81	7.6	33.32	8.1	24.5	1.26
F36	06 Nov 2015	50	15.78	89.90	7.6	33.32	8.1	24.5	1.24
F36	06 Nov 2015	51	15.72	89.90	7.6	33.30	8.1	24.5	1.23
F36	06 Nov 2015	52	15.55	90.04	7.7	33.28	8.1	24.5	1.15
F36	06 Nov 2015	53	15.48	90.17	7.8	33.28	8.1	24.5	1.12
F36	06 Nov 2015	54	15.36	90.21	7.7	33.26	8.1	24.6	1.07
F36	06 Nov 2015	55	15.17	90.35	7.7	33.27	8.1	24.6	1.04
F36	06 Nov 2015	56	15.13	90.41	7.6	33.28	8.1	24.6	1.01
F36	06 Nov 2015	57	15.01	90.43	7.5	33.28	8.1	24.6	0.97
F36	06 Nov 2015	58	14.89	90.54	7.5	33.29	8.1	24.7	0.92
F36	06 Nov 2015	59	14.79	90.59	7.5	33.28	8.1	24.7	0.89
F36	06 Nov 2015	60	14.70	90.63	7.4	33.28	8.1	24.7	0.86
F36	06 Nov 2015	61	14.65	90.65	7.4	33.28	8.1	24.7	0.84
F36	06 Nov 2015	62	14.60	90.65	7.4	33.28	8.1	24.7	0.82
F36	06 Nov 2015	63	14.52	90.70	7.3	33.29	8.1	24.8	0.77
F36	06 Nov 2015	64	14.42	90.75	7.3	33.30	8.1	24.8	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	06 Nov 2015	65	14.34	90.77	7.2	33.30	8.1	24.8	0.70
F36	06 Nov 2015	66	14.25	90.81	7.2	33.30	8.1	24.8	0.67
F36	06 Nov 2015	67	14.18	90.84	7.1	33.30	8.1	24.8	0.66
F36	06 Nov 2015	68	14.05	90.87	7.0	33.30	8.1	24.9	0.62
F36	06 Nov 2015	69	13.80	90.89	6.9	33.31	8.1	24.9	0.58
F36	06 Nov 2015	70	13.70	90.96	6.8	33.32	8.0	25.0	0.56
F36	06 Nov 2015	71	13.66	90.98	6.8	33.33	8.0	25.0	0.54
F36	06 Nov 2015	72	13.63	90.98	6.7	33.34	8.0	25.0	0.49
F36	06 Nov 2015	73	13.64	90.97	6.4	33.38	8.0	25.0	0.45
F36	06 Nov 2015	74	13.60	90.88	6.3	33.39	8.0	25.0	0.43
F36	06 Nov 2015	75	13.55	90.85	6.3	33.39	8.0	25.0	0.43
F36	06 Nov 2015	76	13.50	90.86	6.3	33.39	8.0	25.0	0.42
F36	06 Nov 2015	77	13.48	90.89	6.3	33.39	8.0	25.1	0.42
F36	06 Nov 2015	78	13.49	90.89	6.2	33.40	8.0	25.1	0.41
F36	06 Nov 2015	79	13.47	90.86	6.2	33.41	8.0	25.1	0.40
F36	06 Nov 2015	80	13.47	90.87	6.1	33.43	8.0	25.1	0.39
F36	06 Nov 2015	81	13.50	90.80	6.0	33.44	8.0	25.1	0.36
F36	06 Nov 2015	82	13.61	90.77	5.7	33.49	8.0	25.1	0.33
F36	06 Nov 2015	83	13.65	90.58	5.6	33.50	8.0	25.1	0.32
F36	06 Nov 2015	84	13.65	90.56	5.6	33.50	8.0	25.1	0.32
F36	06 Nov 2015	85	13.65	90.52	5.6	33.50	8.0	25.1	0.31
F36	06 Nov 2015	86	13.65	90.53	5.6	33.50	8.0	25.1	0.30
F36	06 Nov 2015	87	13.64	90.53	5.6	33.51	8.0	25.1	0.30
F36	06 Nov 2015	88	13.55	90.52	5.5	33.51	7.9	25.1	0.30
F36	06 Nov 2015	89	13.48	90.48	5.5	33.51	7.9	25.1	0.28
F36	06 Nov 2015	90	13.40	90.35	5.5	33.52	7.9	25.2	0.27
F36	06 Nov 2015	91	13.35	90.22	5.4	33.52	7.9	25.2	0.27
F36	06 Nov 2015	92	13.29	90.32	5.3	33.53	7.9	25.2	0.26
F36	06 Nov 2015	93	13.22	90.64	5.2	33.55	7.9	25.2	0.25
F36	06 Nov 2015	94	13.18	90.83	5.0	33.58	7.9	25.3	0.24
F36	06 Nov 2015	95	13.13	90.86	4.9	33.59	7.9	25.3	0.23
F36	06 Nov 2015	96	13.08	90.86	4.9	33.59	7.9	25.3	0.22
F36	06 Nov 2015	97	12.90	90.77	4.8	33.61	7.9	25.3	0.21
F36	06 Nov 2015	98	12.84	90.54	4.7	33.62	7.9	25.4	0.21

NA = not available

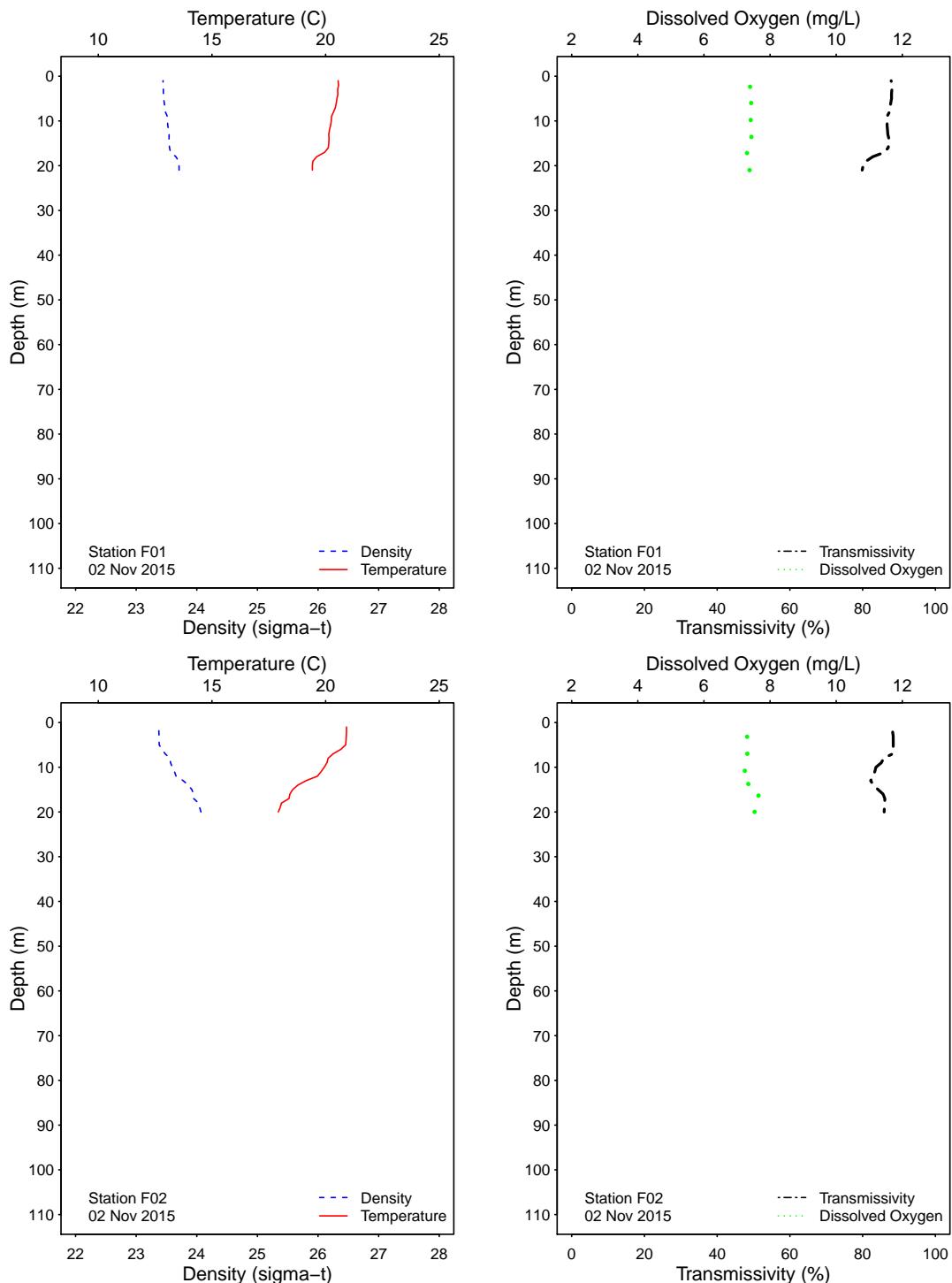


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

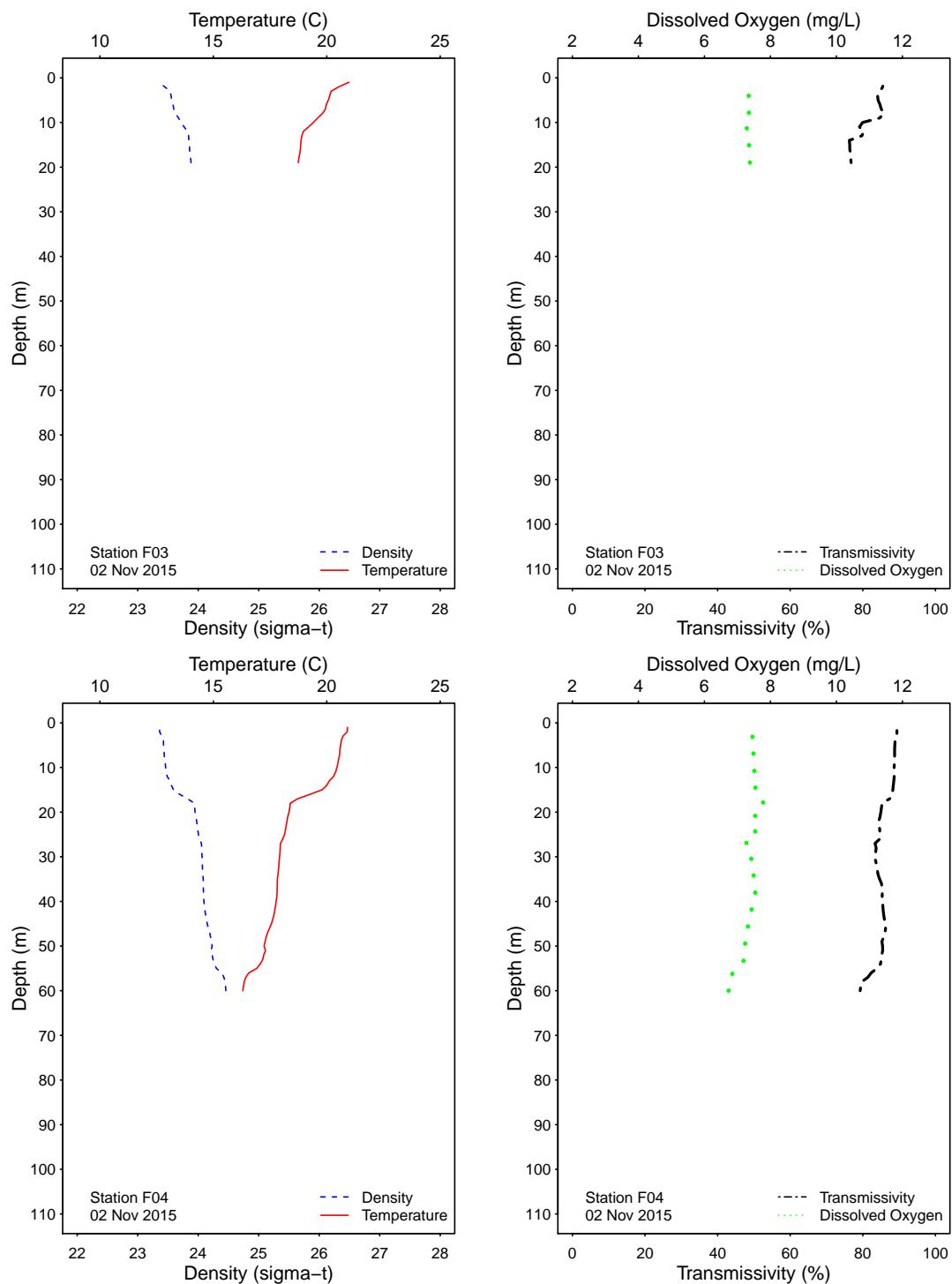


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

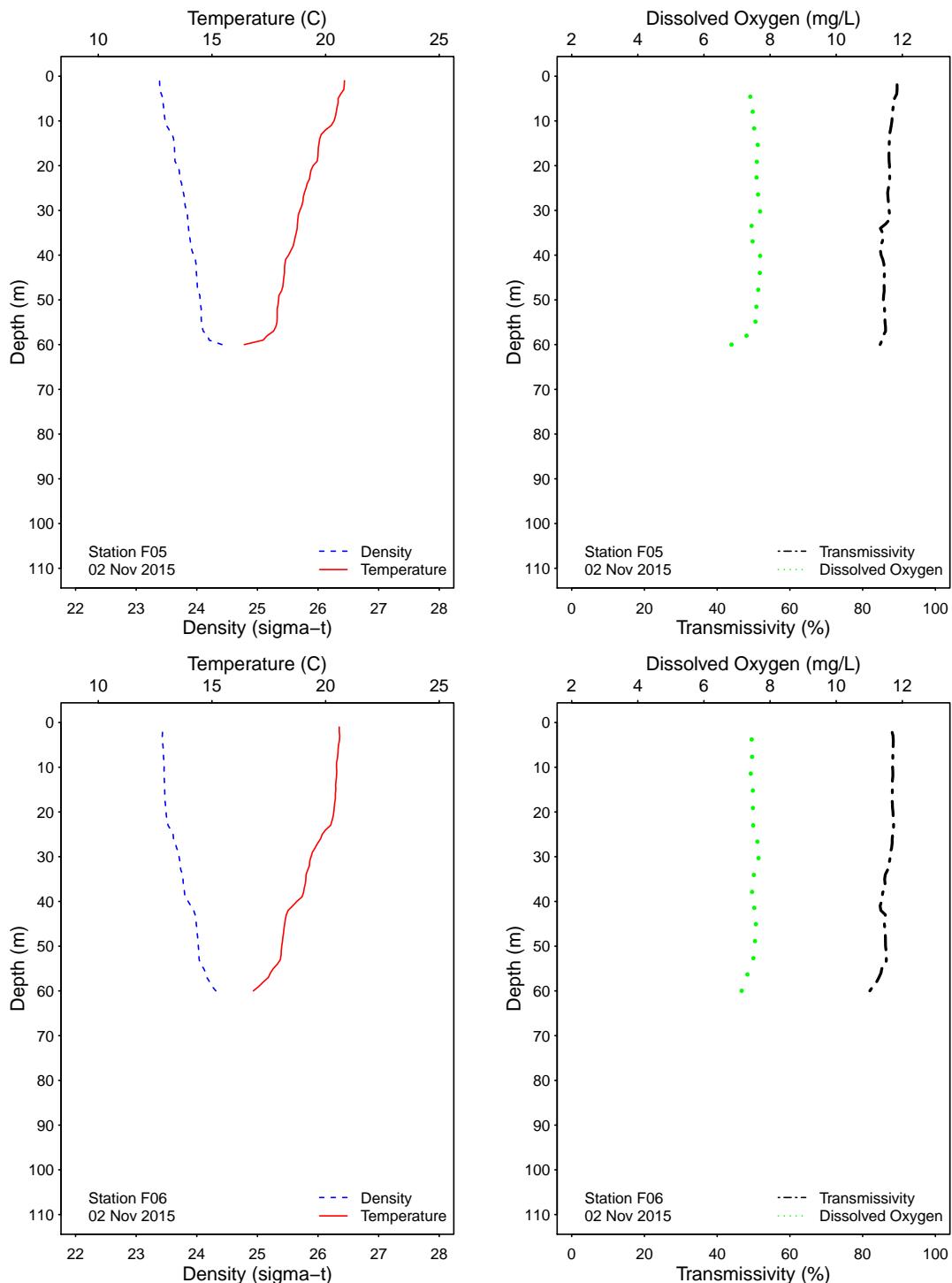


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

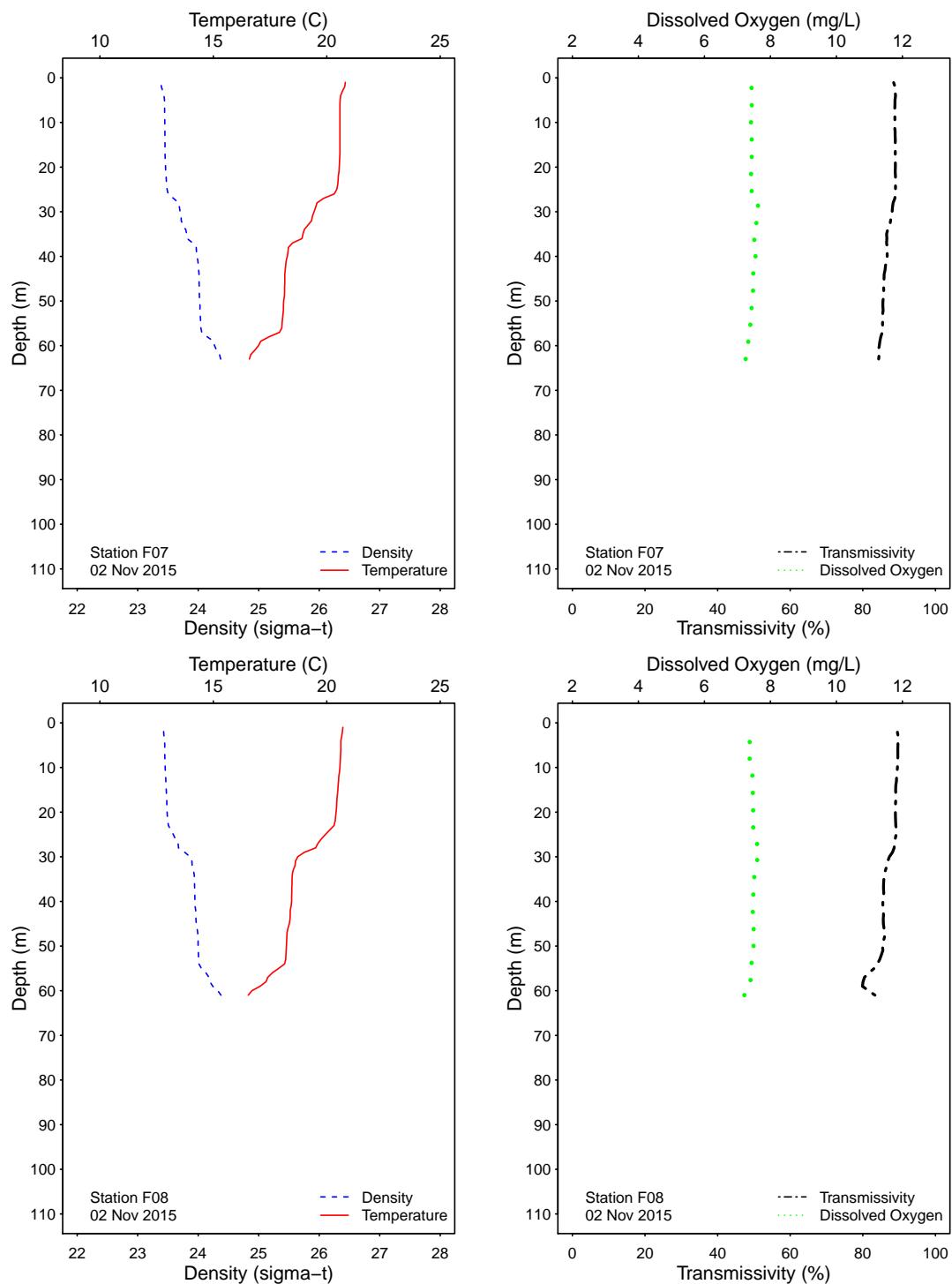


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

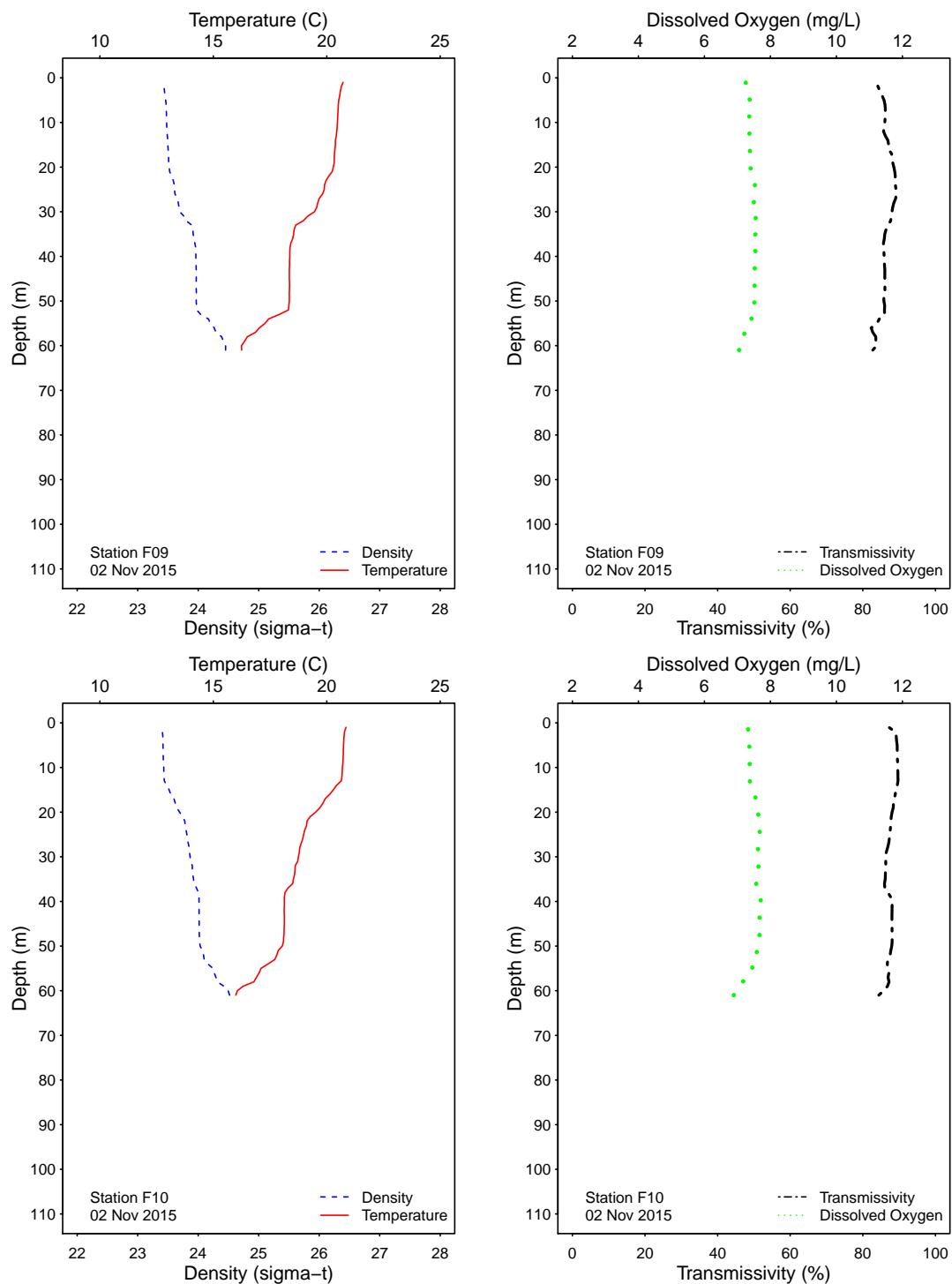


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

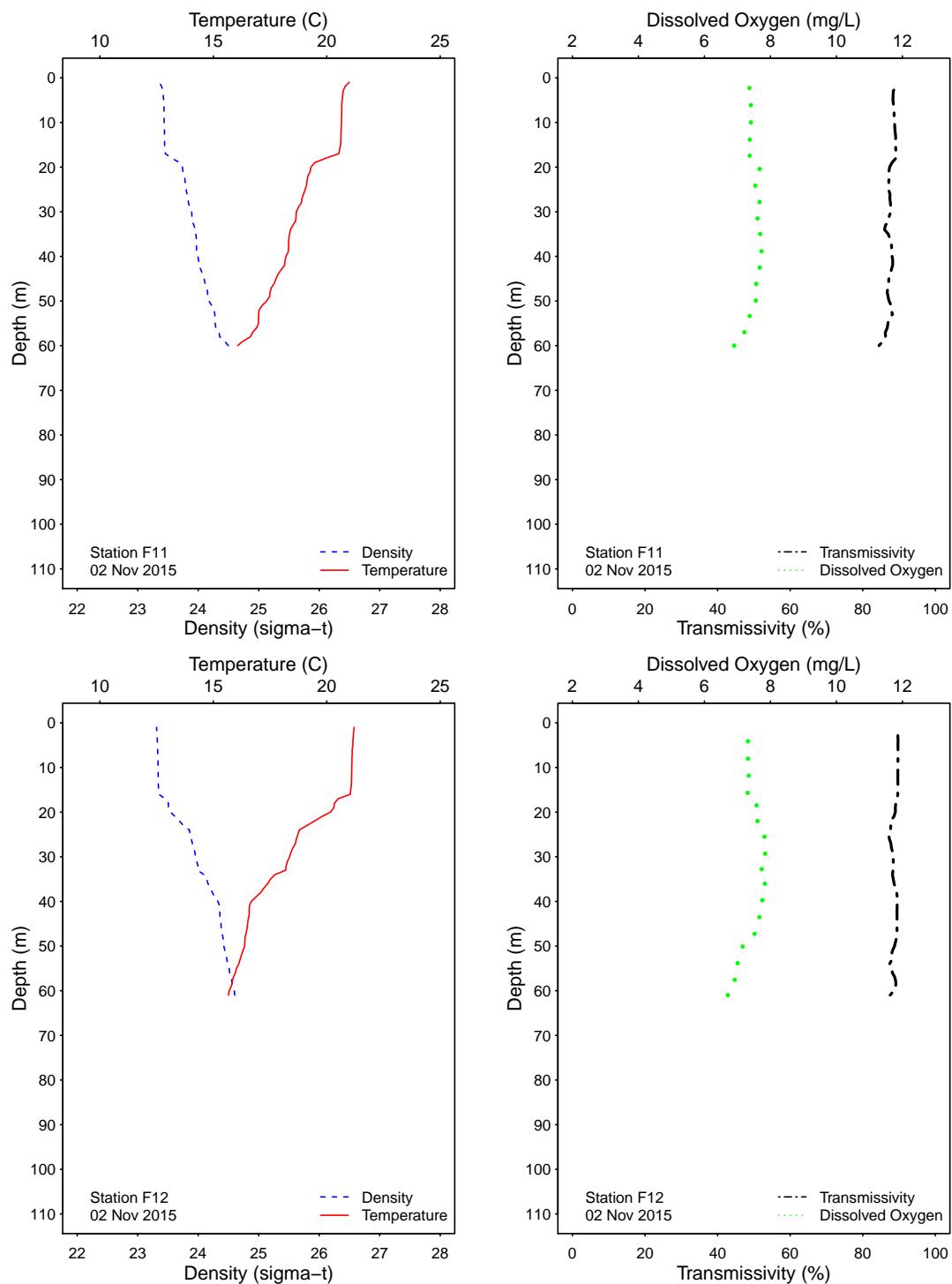


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

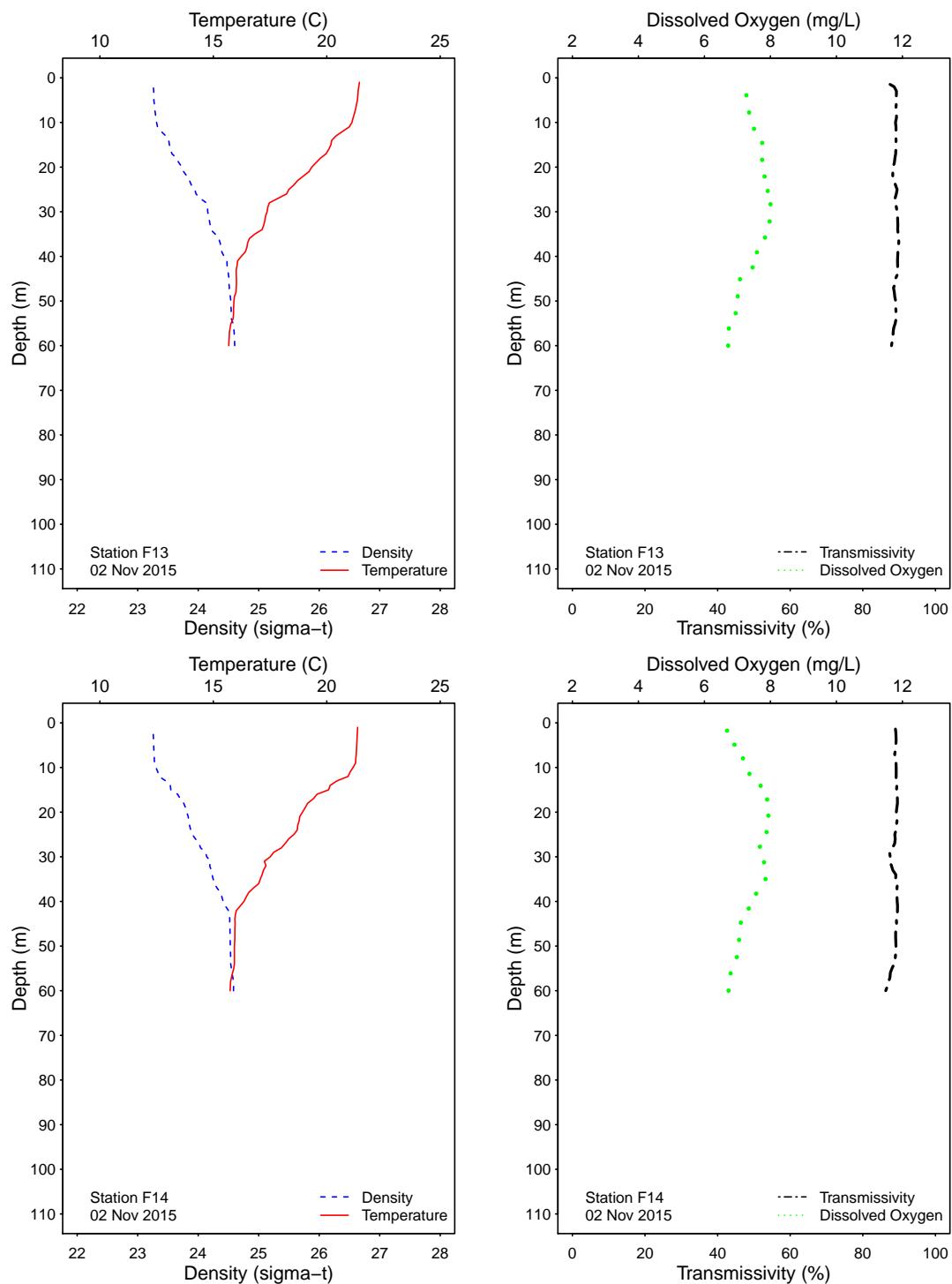


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

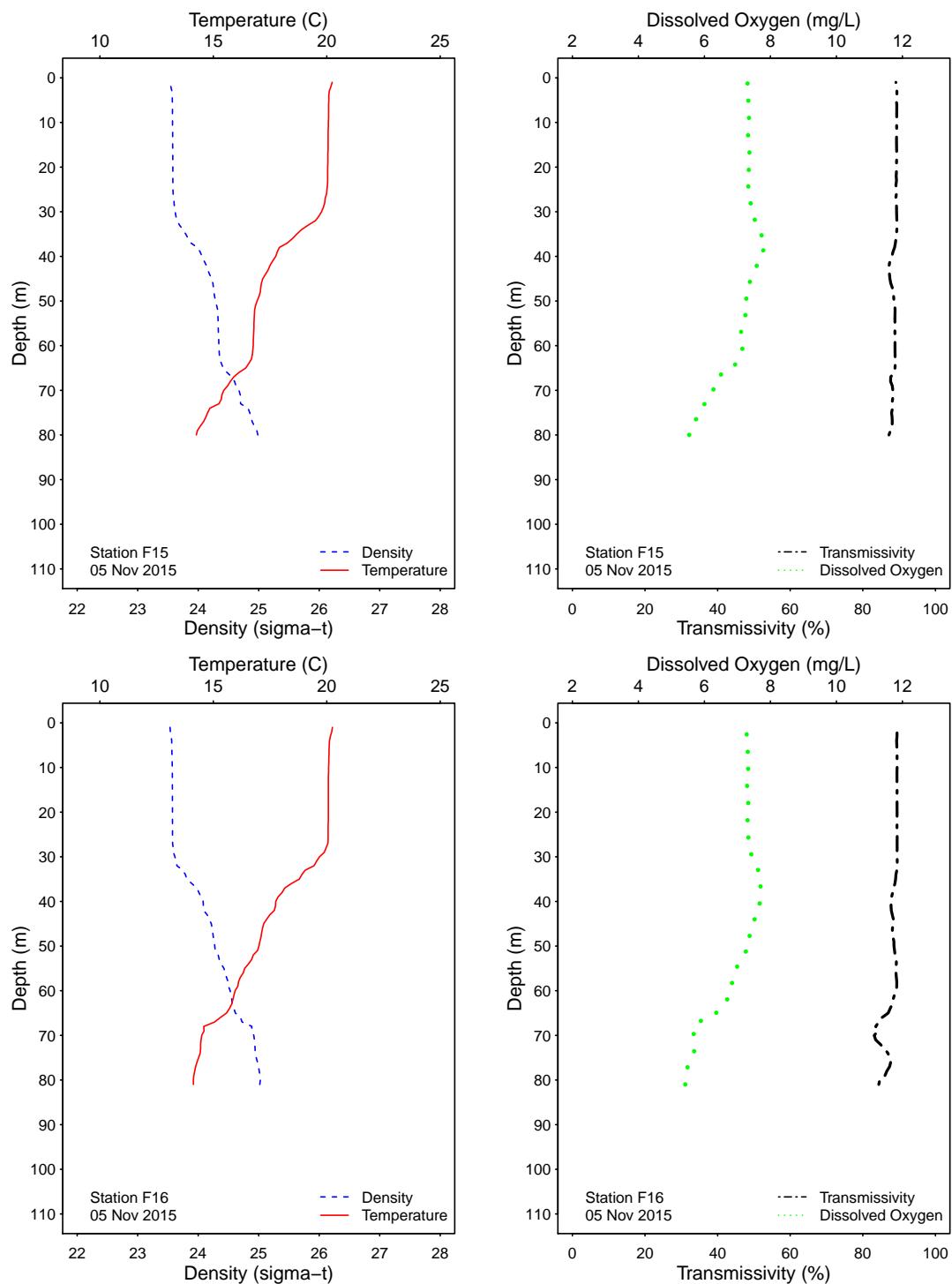


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

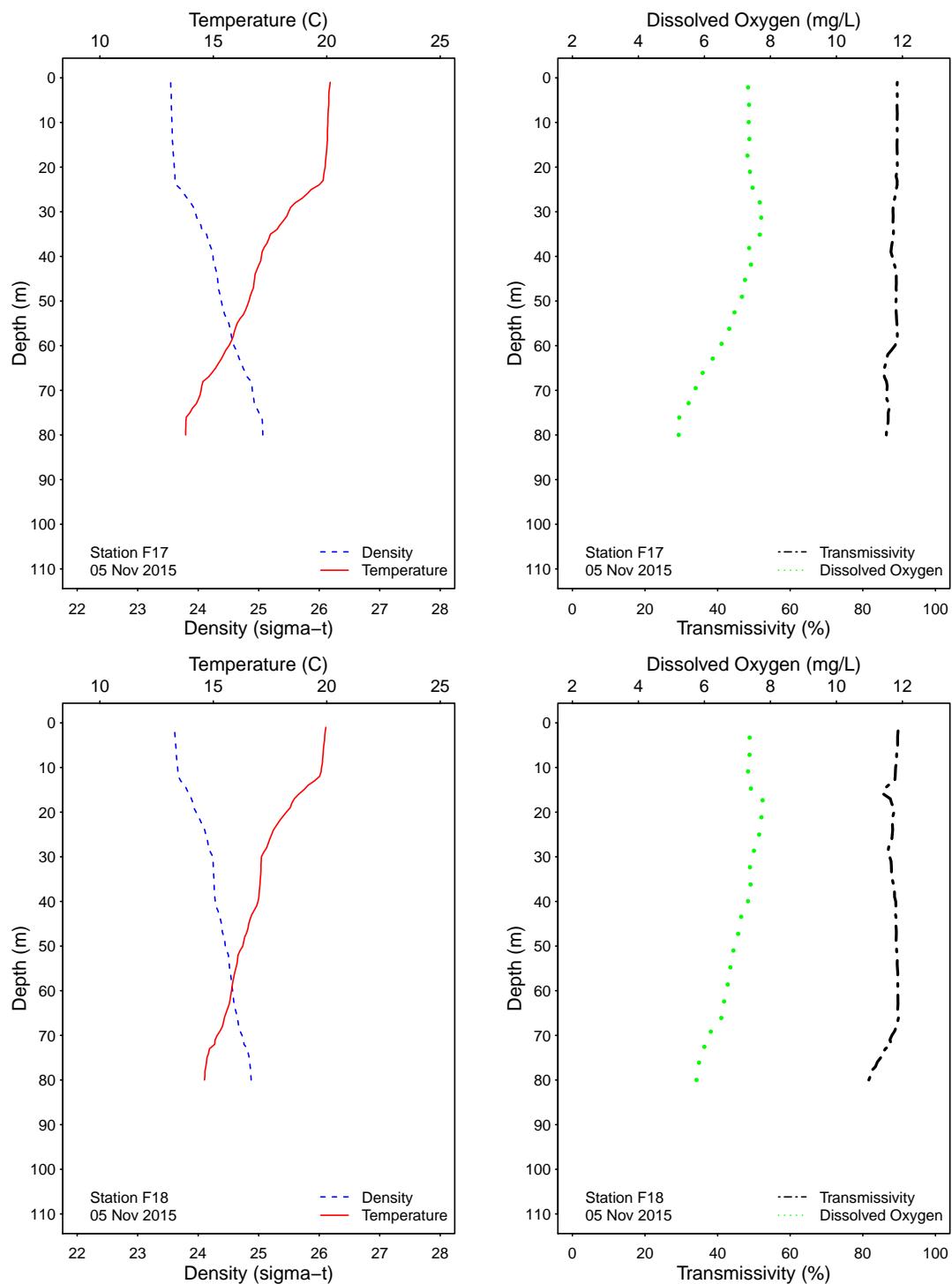


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

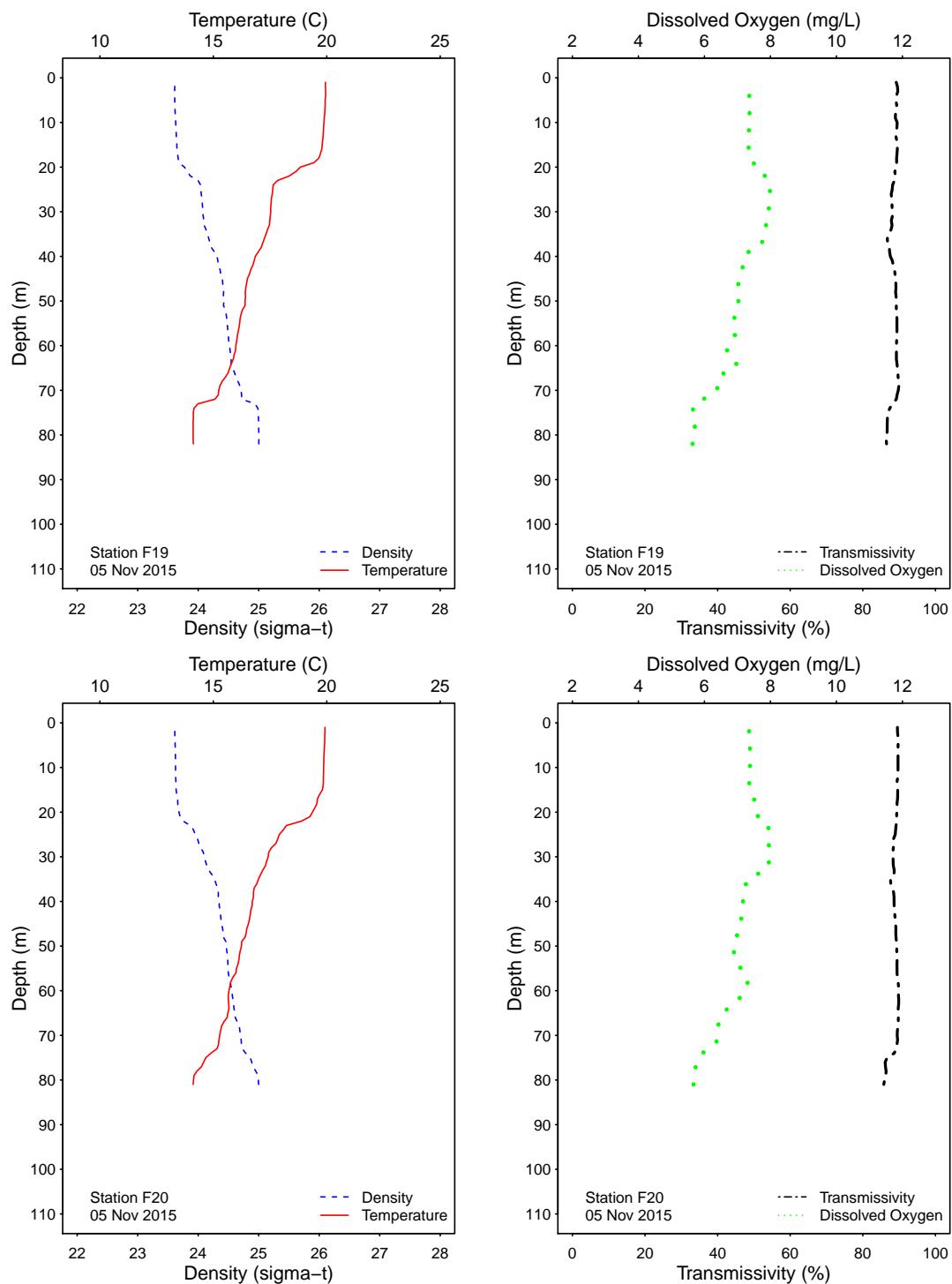


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

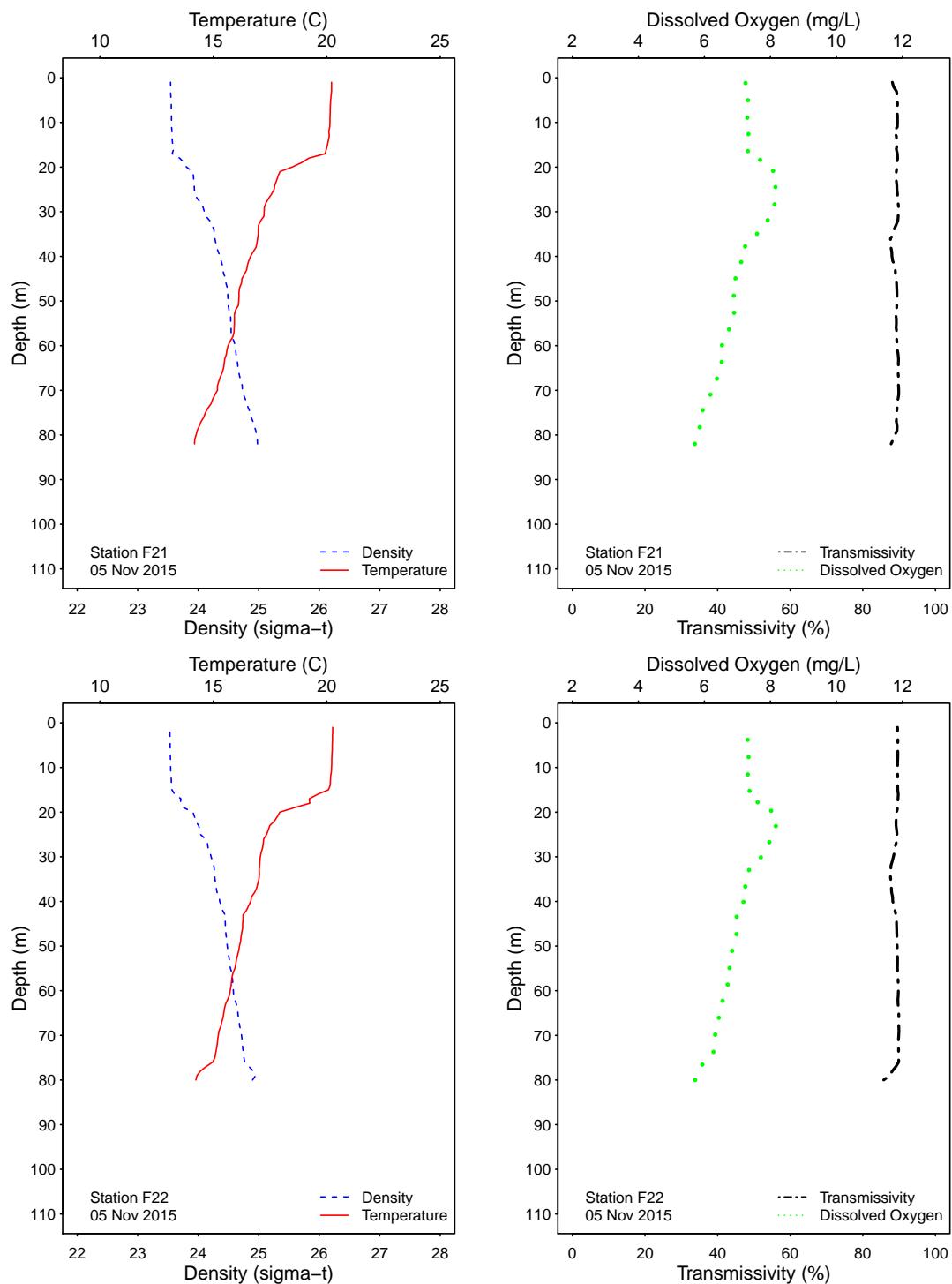


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

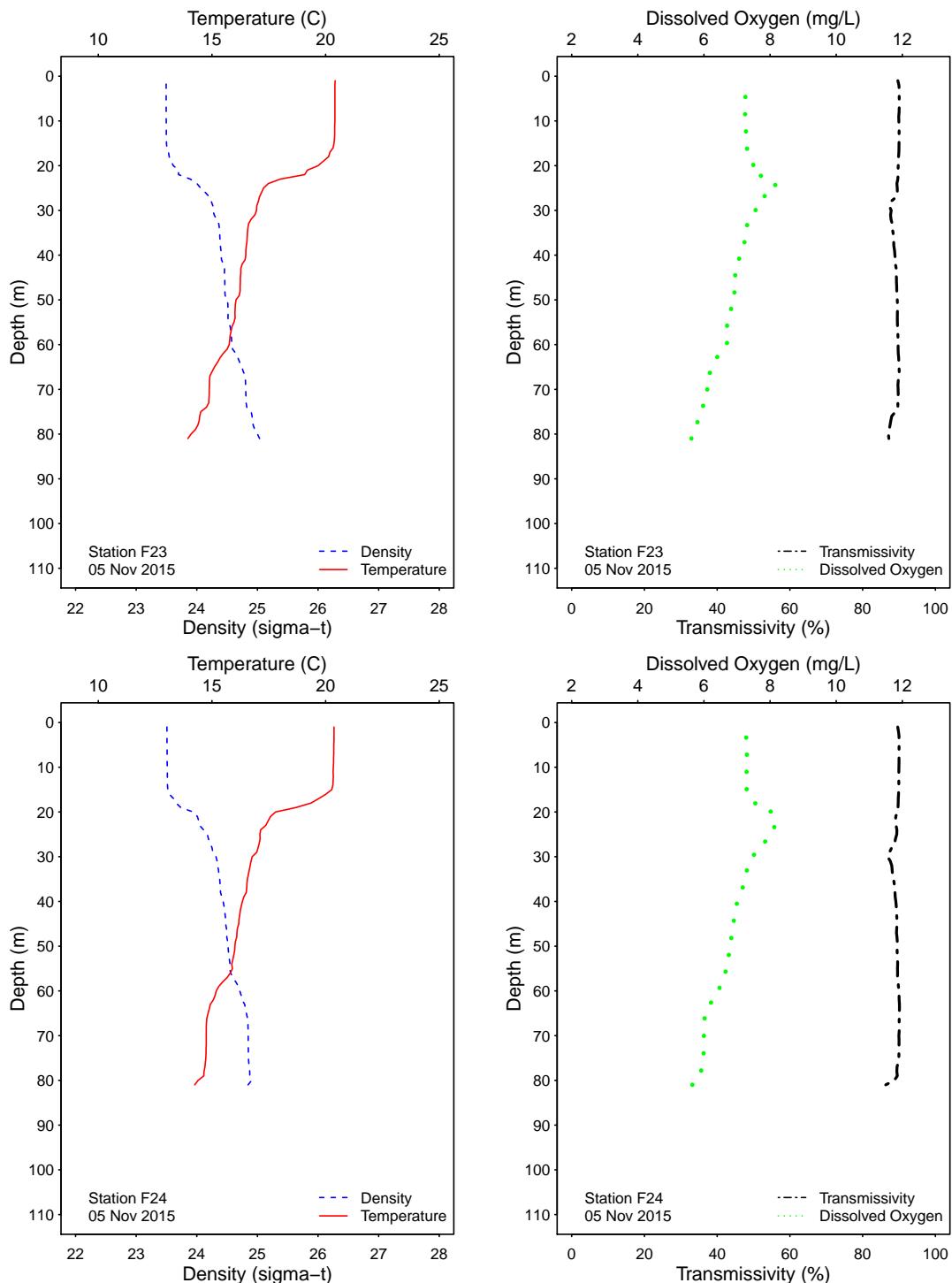


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

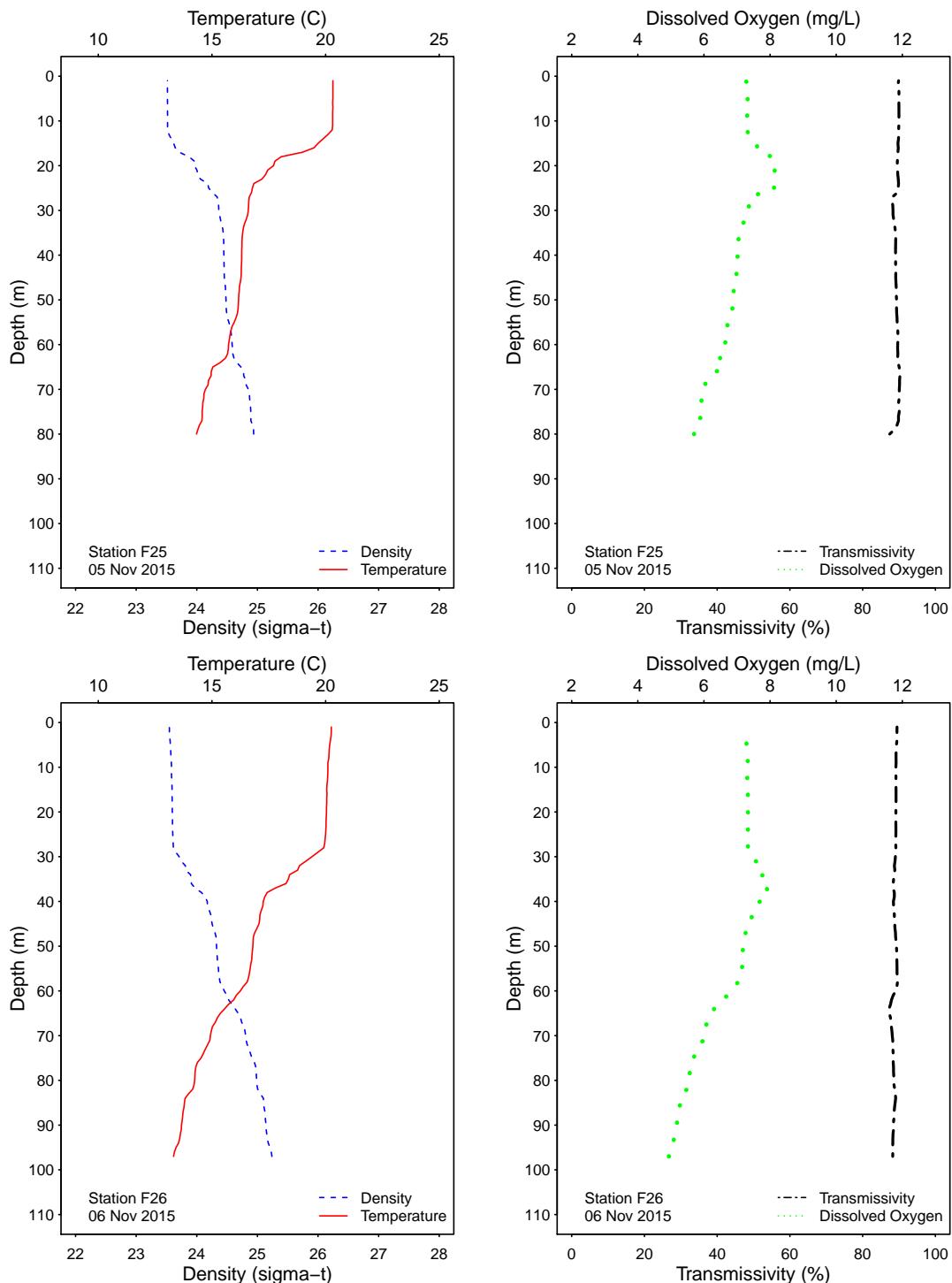


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

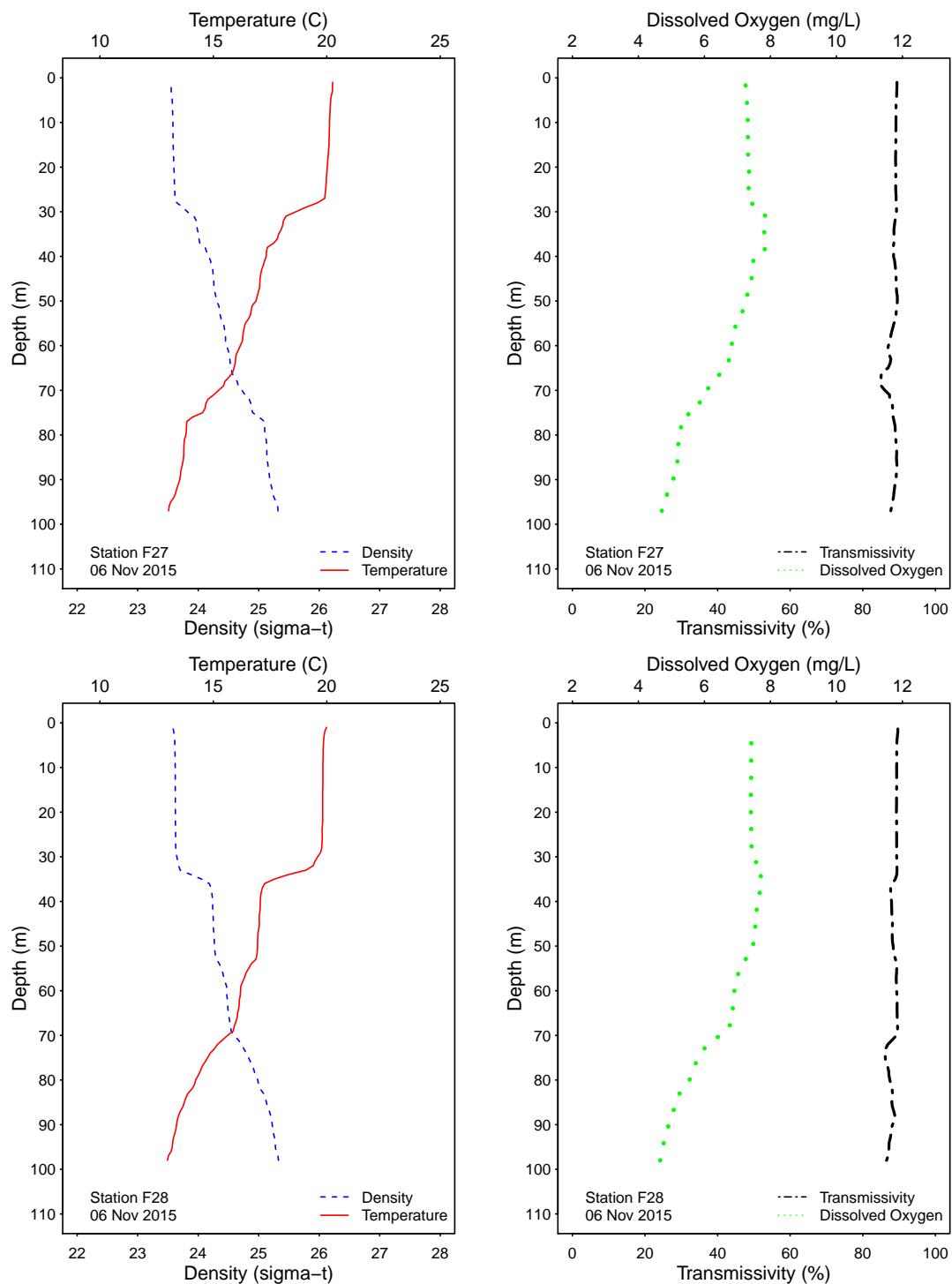


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

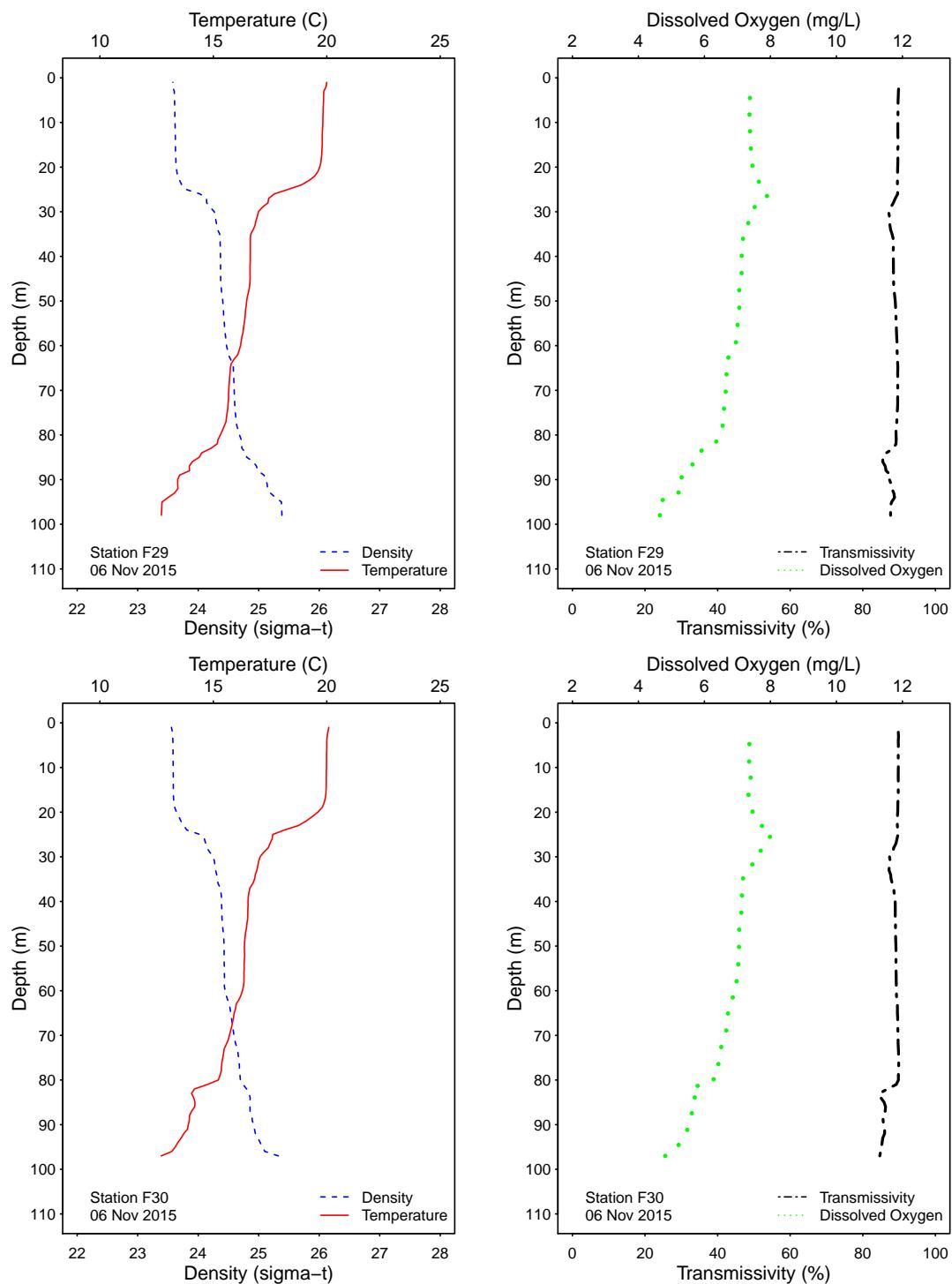


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

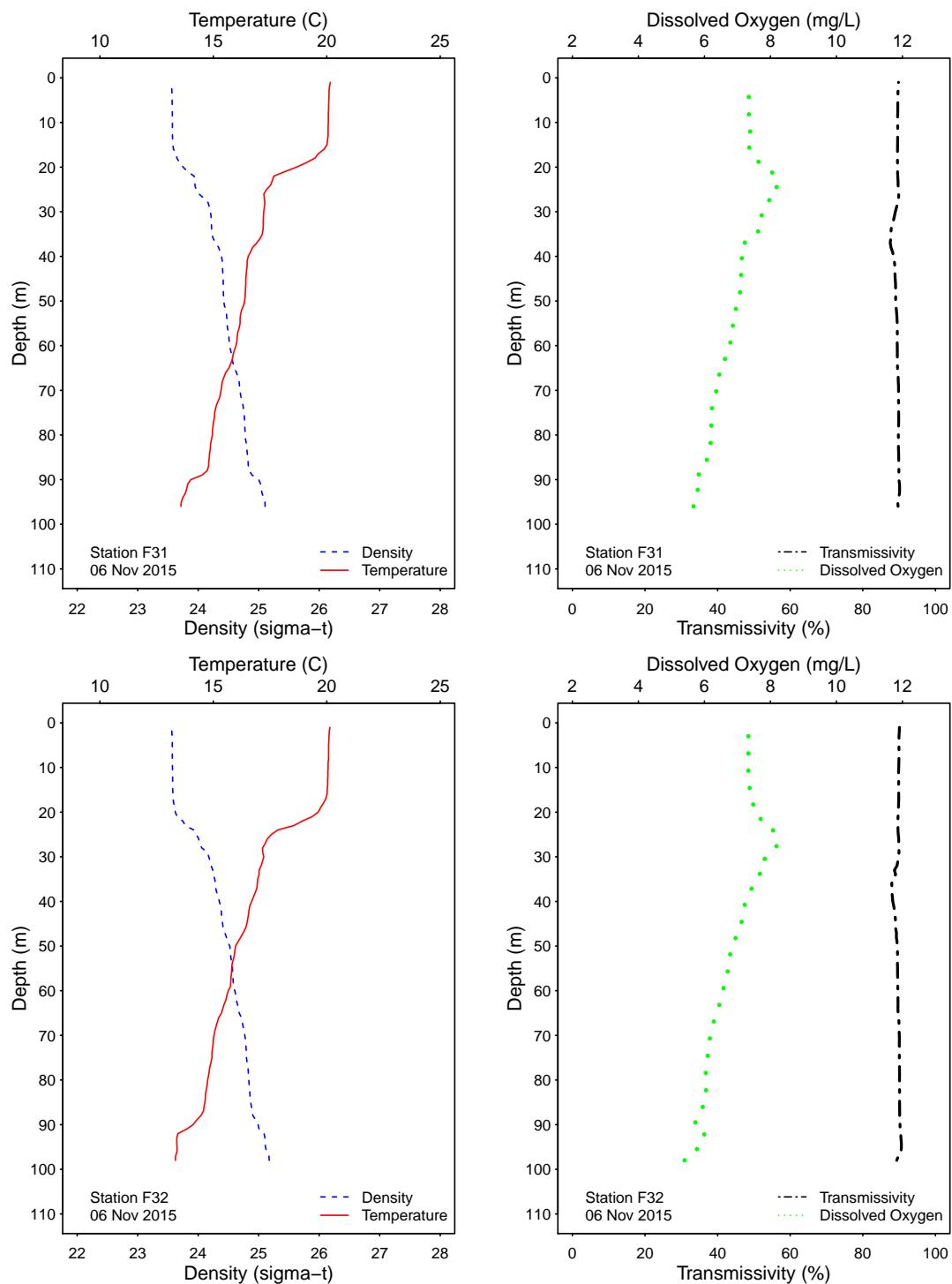


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

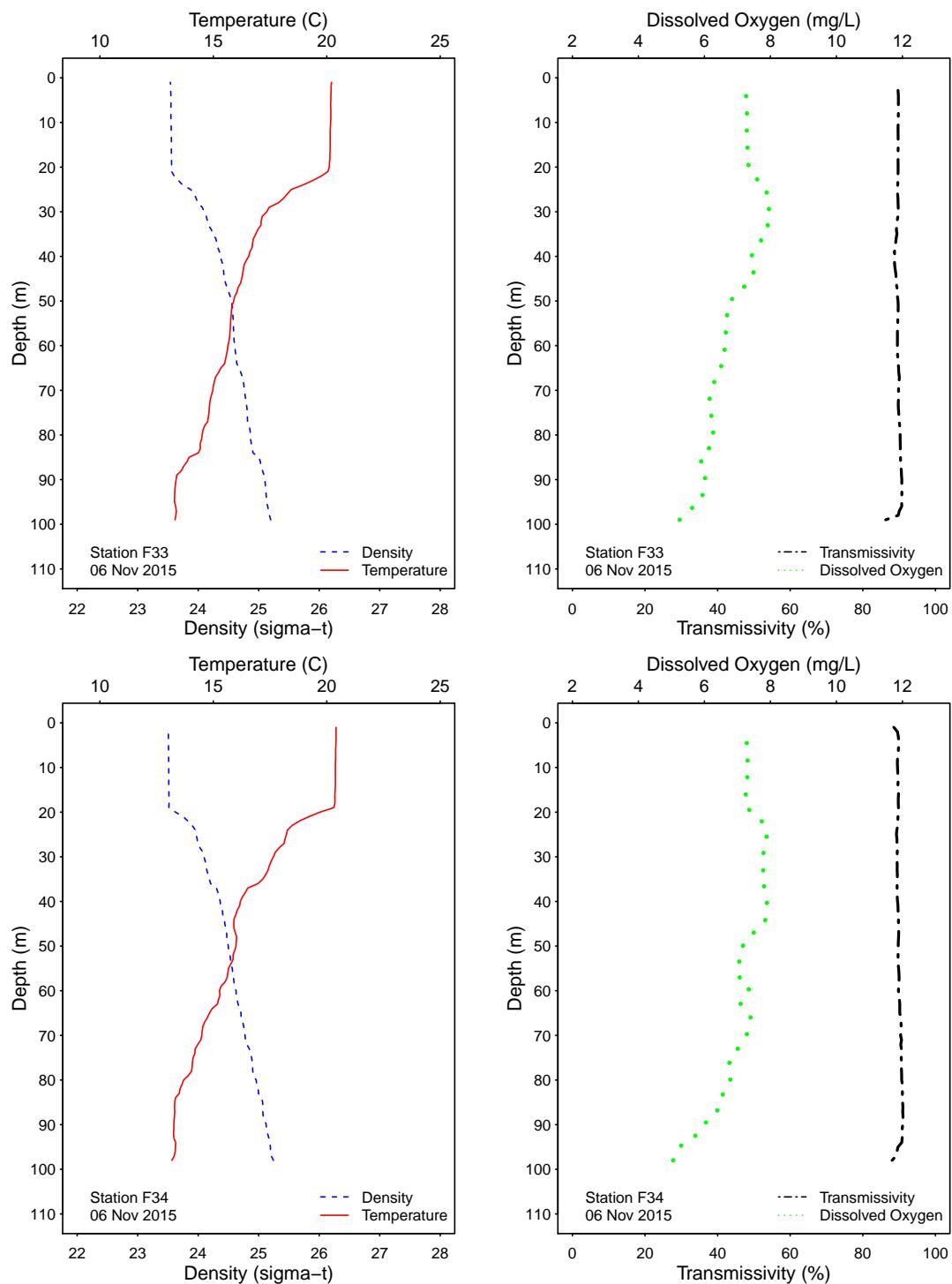


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

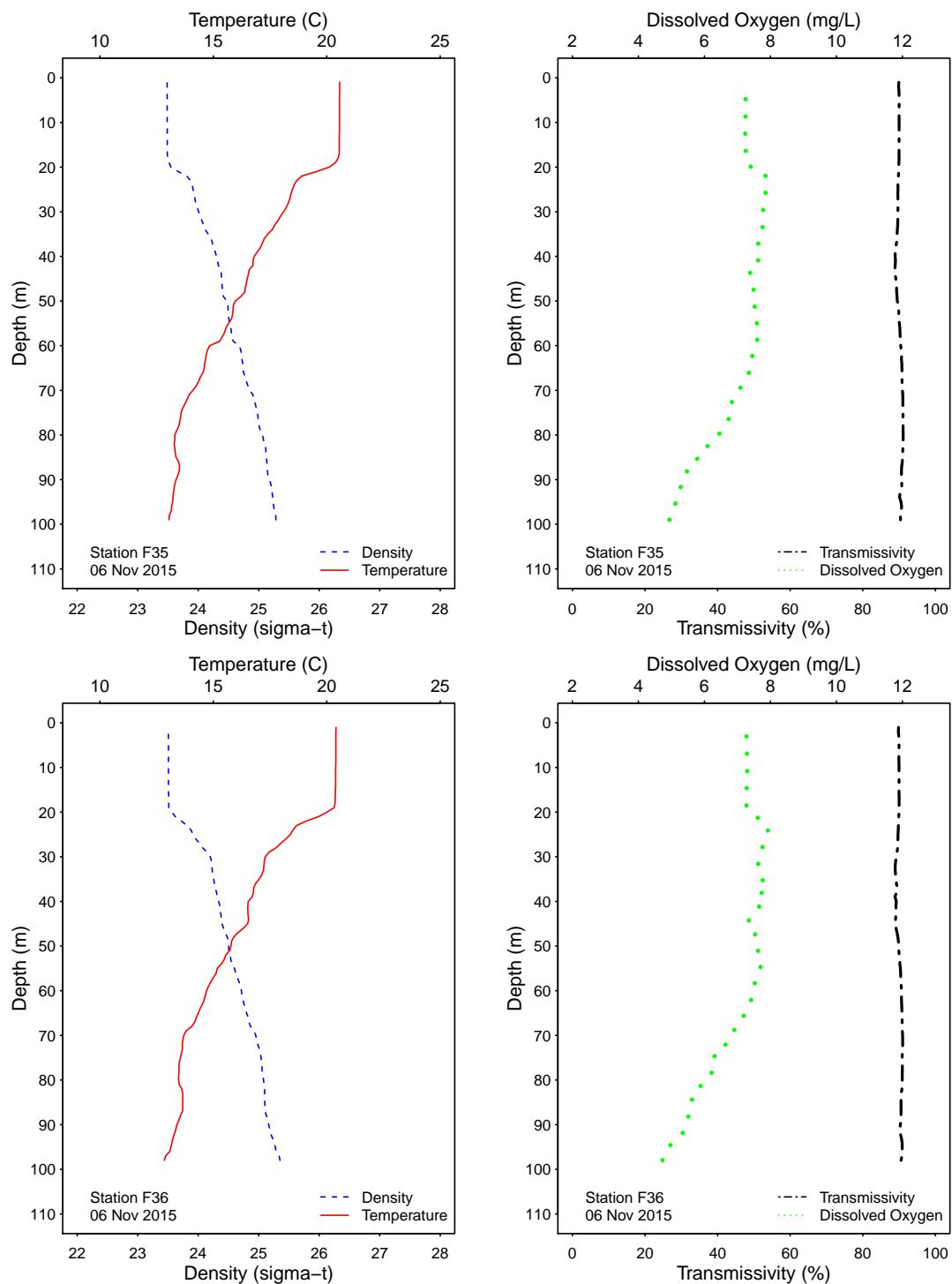


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

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APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	07 Nov 2015	18	GA	LAB DUPLICATE	<20	<2	<2
A7	12 Nov 2015	18	LMA	LAB DUPLICATE	58	6e	<2
A7	20 Nov 2015	18	AR	LAB DUPLICATE	<2	<2	<2
A7	24 Nov 2015	18	AR	LAB DUPLICATE	<2	<2	<2
A7	30 Nov 2015	18	AR	LAB DUPLICATE	8e	<2	<2
C7	07 Nov 2015	18	SR	LAB DUPLICATE	<2	<2	<2
C7	12 Nov 2015	18	SR	LAB DUPLICATE	14e	2e	<2
C7	20 Nov 2015	18	AR	LAB DUPLICATE	2e	<2	<2
C7	24 Nov 2015	18	AR	LAB DUPLICATE	<2	<2	<2
C7	30 Nov 2015	18	ZV	LAB DUPLICATE	<2	<2	<2
C8	07 Nov 2015	12	SR	LAB DUPLICATE	<2	2e	2e
C8	12 Nov 2015	12	SR	LAB DUPLICATE	20e	<2	<2
C8	20 Nov 2015	12	AR	LAB DUPLICATE	<2	<2	2e
C8	24 Nov 2015	12	ZV	LAB DUPLICATE	ns	<2	<20
C8	30 Nov 2015	12	LMA	LAB DUPLICATE	<2	<2	<2
D8	01 Nov 2015		LMA	FIELD DUPLICATE	<200	66	2e
D8	01 Nov 2015		LMA	LAB DUPLICATE	<200	60	<2
D8	07 Nov 2015		SR	FIELD DUPLICATE	80e	20e	<200
D8	07 Nov 2015		SR	LAB DUPLICATE	<200	14e	<20
D8	13 Nov 2015		ZV	FIELD DUPLICATE	180e	140e	28e
D8	13 Nov 2015		ZV	LAB DUPLICATE	220e	140e	18e
D8	19 Nov 2015		AR	FIELD DUPLICATE	60e	2e	2e
D8	19 Nov 2015		AR	LAB DUPLICATE	20e	8e	4e
D8	25 Nov 2015		ZV	FIELD DUPLICATE	200e	100e	620
D8	25 Nov 2015		ZV	LAB DUPLICATE	1000e	160e	400
F01	02 Nov 2015	12	AR	LAB DUPLICATE	ns	ns	<2
F02	02 Nov 2015	12	AR	LAB DUPLICATE	ns	ns	<2
F07	02 Nov 2015	60	ZV	LAB DUPLICATE	ns	ns	<2
F08	02 Nov 2015	60	LMA	LAB DUPLICATE	ns	ns	24e
F11	02 Nov 2015	60	LMA	LAB DUPLICATE	ns	ns	2e
F17	05 Nov 2015	80	AR	LAB DUPLICATE	ns	ns	300e
F18	05 Nov 2015	60	AR	LAB DUPLICATE	ns	ns	6e
F19	05 Nov 2015	60	SR	LAB DUPLICATE	ns	ns	<2
F20	05 Nov 2015	60	AR	LAB DUPLICATE	ns	ns	<2
F21	05 Nov 2015	80	AR	LAB DUPLICATE	ns	ns	<2
F28	06 Nov 2015	60	LMA	LAB DUPLICATE	ns	ns	<2
F29	06 Nov 2015	60	LMA	LAB DUPLICATE	ns	ns	<2
F30	06 Nov 2015	60	AR	LAB DUPLICATE	ns	ns	<2
F31	06 Nov 2015	80	AR	LAB DUPLICATE	ns	ns	34e
F32	06 Nov 2015	80	ZV	LAB DUPLICATE	ns	ns	14e
F34	06 Nov 2015	60	LMA	LAB DUPLICATE	ns	ns	<2

ns = not sampled

