



MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE POINT LOMA OCEAN OUTFALL

**POINT LOMA METROPOLITAN WASTEWATER
TREATMENT PLANT**

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

AUGUST 2016

Environmental Monitoring and Technical Services
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THE CITY OF SAN DIEGO

September 30, 2016

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 August 2016 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2009-0001, NPDES Permit No. CA0107409.

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

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

Sincerely,

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

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

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INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2009-0001, NPDES Permit No. CA0107409 for the Point Loma Wastewater Treatment Plant (PLWTP), Point Loma Ocean Outfall (PLOO). This report includes receiving waters monitoring data collected from all shore, kelp and offshore stations specified in the above order. Data for influent and effluent monitoring activities for the PLWTP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

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

Kelp Bed Stations

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

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

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

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

Offshore Stations

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

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

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

Bacteriological Reporting and Quality Assurance

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

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

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

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

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

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

Single Sample Maximums:

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2016 Quality Assurance Report, which will be completed in March 2017.

SUMMARY OF RESULTS

Shore Stations

- During August 2016, each of the eight shore stations were in compliance with various water-contact standards specified in the Ocean Plan.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surfgrass. See the City of San Diego's most recent *Point Loma Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- Nothing of sewage origin was observed at any of the shore stations.

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled five times during August (i.e. August 1, 11, 24, 27, 30).
- During August, each of the kelp bed stations were in compliance with various water-contact standard specified in the Ocean Plan.
- Water column temperatures ranged from 13.38 to 23.70°C during the month. The difference between surface and bottom waters ranged from 3.14 to 7.94°C, indicating that the water column was stratified at the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.00 to 8.66 µg/L during August, suggesting the presence of phytoplankton blooms during the month.

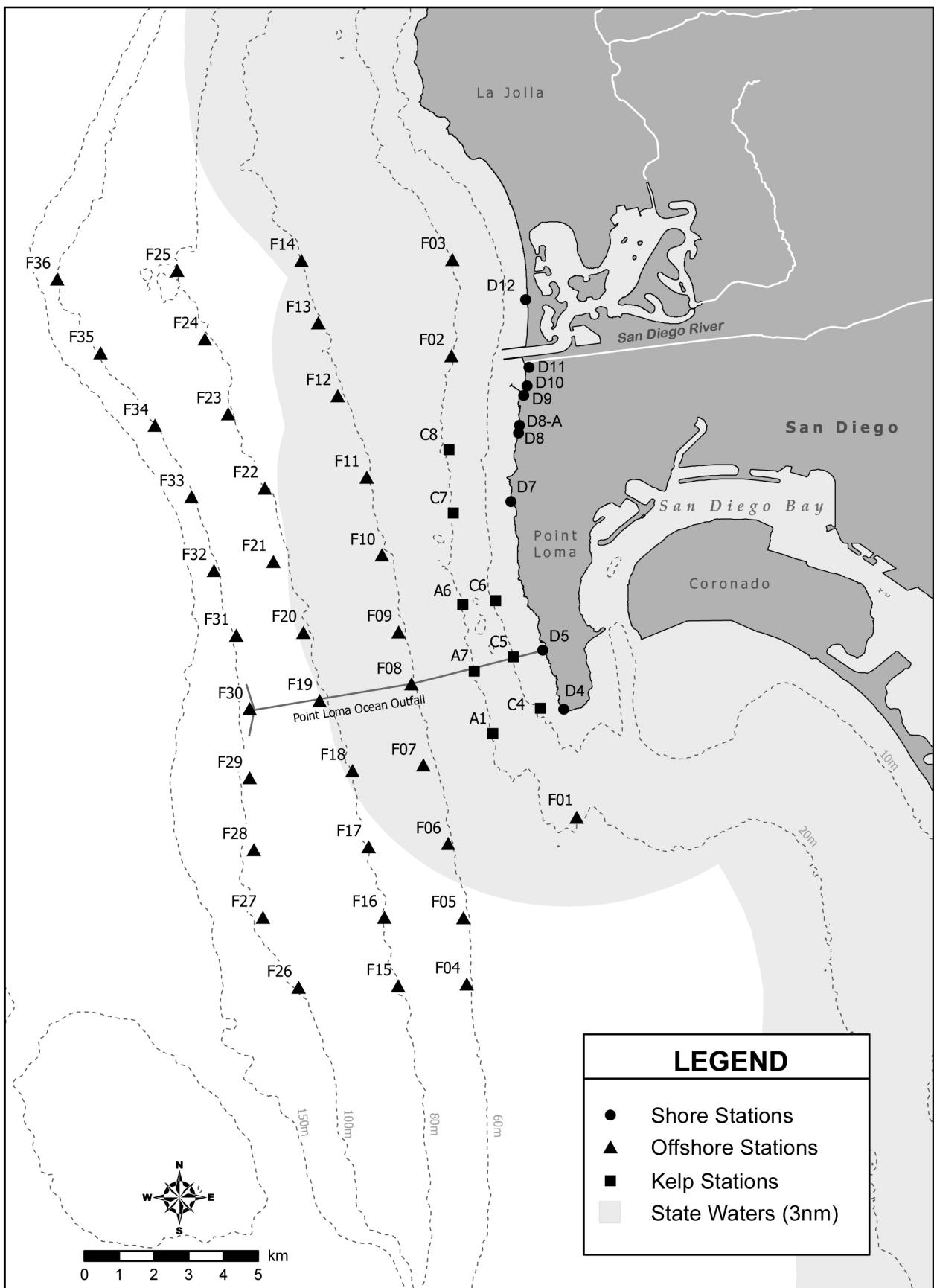
- Ammonia (as nitrogen) values were 0.01 mg/L at the kelp bed stations during the month.
- There were no notable visual observations for August.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on August 8, 9, and 10.
- Each 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 3 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F32, F33, and F34, which exceeded the single sample maximum for *Enterococcus* at 80 m on August 8.
- During August, water column temperatures ranged from 10.13 to 24.03°C. The difference between surface and bottom waters ranged from 6.56 to 13.90°C, indicating that the water column was stratified during the month.
- Chlorophyll *a* concentrations ranged from 0.06 to 4.67 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 at the 15 stations located in State waters ranged from 0.01 to 0.02 mg/L at the offshore stations during the month.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES



Shore Stations

Table 2.1

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Aug 2016	4	20	20	31	21	20	20	13
02 Aug 2016	6	20	32	31	18	17	20	16
03 Aug 2016	6	20	32	31	18	17	20	16
04 Aug 2016	6	20	32	31	18	17	20	16
05 Aug 2016	6	20	32	31	18	17	20	16
06 Aug 2016	6	20	32	31	18	17	20	16
07 Aug 2016	6	20	32	31	18	17	20	16
08 Aug 2016	9	32	51	69	29	30	25	20
09 Aug 2016	9	32	51	69	29	30	25	20
10 Aug 2016	9	32	51	69	29	30	25	20
11 Aug 2016	9	32	51	69	29	30	25	20
12 Aug 2016	9	32	51	69	29	30	25	20
13 Aug 2016	9	32	51	69	29	30	25	20
14 Aug 2016	8	32	51	69	32	32	25	20
15 Aug 2016	8	32	51	69	32	32	25	20
16 Aug 2016	8	32	51	69	32	32	25	20
17 Aug 2016	8	32	51	69	32	32	25	20
18 Aug 2016	8	32	51	69	32	32	25	20
19 Aug 2016	8	32	51	69	32	32	25	20
20 Aug 2016	8	36	32	32	32	32	25	20
21 Aug 2016	8	36	32	32	32	32	25	20
22 Aug 2016	8	36	32	32	32	32	25	20
23 Aug 2016	8	36	32	32	32	32	25	20
24 Aug 2016	8	36	32	32	32	32	25	20
25 Aug 2016	8	36	32	32	32	32	25	20
26 Aug 2016	8	36	50	32	32	32	31	20
27 Aug 2016	8	36	50	32	32	32	31	20
28 Aug 2016	8	36	50	32	32	32	31	20
29 Aug 2016	8	36	50	32	32	32	31	20
30 Aug 2016	8	36	50	32	32	32	31	20
31 Aug 2016	8	36	50	32	32	32	31	20

* Geometric mean calculated using n<5

Table 2.2

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Aug 2016	2	2	6	5	2	2	4	2
02 Aug 2016	2	2	4	5	2	2	3	2
03 Aug 2016	2	2	4	5	2	2	3	2
04 Aug 2016	2	2	4	5	2	2	3	2
05 Aug 2016	2	2	4	5	2	2	3	2
06 Aug 2016	2	2	4	5	2	2	3	2
07 Aug 2016	2	2	4	5	2	2	3	2
08 Aug 2016	2	2	7	5	2	2	2	3
09 Aug 2016	2	2	7	5	2	2	2	3
10 Aug 2016	2	2	7	5	2	2	2	3
11 Aug 2016	2	2	7	5	2	2	2	3
12 Aug 2016	2	2	7	5	2	2	2	3
13 Aug 2016	2	2	7	5	2	2	2	3
14 Aug 2016	2	2	7	5	2	2	2	2
15 Aug 2016	2	2	7	5	2	2	2	2
16 Aug 2016	2	2	7	5	2	2	2	2
17 Aug 2016	2	2	7	5	2	2	2	2
18 Aug 2016	2	2	7	5	2	2	2	2
19 Aug 2016	2	2	7	5	2	2	2	2
20 Aug 2016	2	2	5	2	2	3	2	2
21 Aug 2016	2	2	5	2	2	3	2	2
22 Aug 2016	2	2	5	2	2	3	2	2
23 Aug 2016	2	2	5	2	2	3	2	2
24 Aug 2016	2	2	5	2	2	3	2	2
25 Aug 2016	2	2	5	2	2	3	2	2
26 Aug 2016	2	2	5	2	2	3	5	2
27 Aug 2016	2	2	5	2	2	3	5	2
28 Aug 2016	2	2	5	2	2	3	5	2
29 Aug 2016	2	2	5	2	2	3	5	2
30 Aug 2016	2	2	5	2	2	3	5	2
31 Aug 2016	2	2	5	2	2	3	5	2

* Geometric mean calculated using n<5

Table 2.3

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
01 Aug 2016	2	2	2	2	2	3	3	2
02 Aug 2016	2	2	2	2	2	2	3	2
03 Aug 2016	2	2	2	2	2	2	3	2
04 Aug 2016	2	2	2	2	2	2	3	2
05 Aug 2016	2	2	2	2	2	2	3	2
06 Aug 2016	2	2	2	2	2	2	3	2
07 Aug 2016	2	2	2	2	2	2	3	2
08 Aug 2016	2	2	2	2	3	2	3	2
09 Aug 2016	2	2	2	2	3	2	3	2
10 Aug 2016	2	2	2	2	3	2	3	2
11 Aug 2016	2	2	2	2	3	2	3	2
12 Aug 2016	2	2	2	2	3	2	3	2
13 Aug 2016	2	2	2	2	3	2	3	2
14 Aug 2016	2	2	3	2	3	2	3	3
15 Aug 2016	2	2	3	2	3	2	3	3
16 Aug 2016	2	2	3	2	3	2	3	3
17 Aug 2016	2	2	3	2	3	2	3	3
18 Aug 2016	2	2	3	2	3	2	3	3
19 Aug 2016	2	2	3	2	3	2	3	3
20 Aug 2016	2	2	3	2	3	2	3	3
21 Aug 2016	2	2	3	2	3	2	3	3
22 Aug 2016	2	2	3	2	3	2	3	3
23 Aug 2016	2	2	3	2	3	2	3	3
24 Aug 2016	2	2	3	2	3	2	3	3
25 Aug 2016	2	2	3	2	3	2	3	3
26 Aug 2016	2	2	3	2	3	2	3	3
27 Aug 2016	2	2	3	2	3	2	3	3
28 Aug 2016	2	2	3	2	3	2	3	3
29 Aug 2016	2	2	3	2	3	2	3	3
30 Aug 2016	2	2	3	2	3	2	3	3
31 Aug 2016	2	2	3	2	3	2	3	3

* Geometric mean calculated using n<5

Table 2.4

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
02 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
20 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
26 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.5

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
02 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
20 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
26 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.6

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
02 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
20 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
26 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.7

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

Date	D4	D5	D7	D8-A	D9	D10	D11	D12
02 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
20 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC
26 Aug 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.8

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

Station	Date	Time	Total	Fecal	Enter	F:T
D4	02 Aug 2016	948	<20	<2	<2	0.10
	08 Aug 2016	947	<20	<2	<2	0.10
	14 Aug 2016	1010	2e	<2	<2	1.00
	20 Aug 2016	1036	<20	2e	<2	0.10
	26 Aug 2016	811	<2	<2	<2	1.00
D5	02 Aug 2016	959	<20	<2	<2	0.10
	08 Aug 2016	957	<200	<2	<2	0.01
	14 Aug 2016	953	20e	<2	<2	0.10
	20 Aug 2016	1057	40e	<2	<2	0.05
	26 Aug 2016	752	<20	<2	<2	0.10
D7	02 Aug 2016	1255	<200	<2	6e	0.01
	08 Aug 2016	1245	200e	28e	<2	0.14
	14 Aug 2016	1032	<20	2e	4e	0.10
	20 Aug 2016	1011	20e	10e	<2	0.50
	26 Aug 2016	835	<20	2e	<2	0.10
D8-A	02 Aug 2016	1237	<20	<2	<2	0.10
	08 Aug 2016	1230	<200	<2	<2	0.01
	14 Aug 2016	1044	<20	<2	<2	0.10
	20 Aug 2016	953	<20	2e	<2	0.10
	26 Aug 2016	847	<20	2e	2e	0.10
D9	02 Aug 2016	1224	20e	<2	<2	0.10
	08 Aug 2016	1216	<200	<2	20e	0.01
	14 Aug 2016	1056	<20	<2	<2	0.10
	20 Aug 2016	934	20e	2e	2e	0.10
	26 Aug 2016	859	<20	<2	<2	0.10
D10	02 Aug 2016	1210	<20	<2	<2	0.10
	08 Aug 2016	1204	<200	<2	<2	0.01
	14 Aug 2016	1106	<20	<2	<2	0.10
	20 Aug 2016	921	<20	8e	4e	0.40
	26 Aug 2016	932	<20	<2	<2	0.10
D11	02 Aug 2016	1154	<20	<2	2e	0.10
	08 Aug 2016	1152	60e	2e	<2	0.03
	14 Aug 2016	1121	<20	<2	<2	0.10
	20 Aug 2016	909	<20	6e	8e	0.30
	26 Aug 2016	958	60e	40e	2e	0.67

Station	Date	Time	Total	Fecal	Enterο	F:T
D12	02 Aug 2016	1132	<20	<2	<2	0.10
D12	08 Aug 2016	1131	<20	4e	<2	0.20
D12	14 Aug 2016	1149	<20	2e	16e	0.10
D12	20 Aug 2016	840	<20	2e	2e	0.10
D12	26 Aug 2016	1038	<20	<2	2e	0.10

ns = not sampled

ND = no data

Table 2.9

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

Station	Date	Parameter	Value
D4	02 Aug 2016	Arrive Time	948
D4	02 Aug 2016	Weather	Sunny
D4	02 Aug 2016	Wind Speed (kts)	3.1
D4	02 Aug 2016	Wind Dir	W
D4	02 Aug 2016	Animal Life	None
D4	02 Aug 2016	Floatables	None
D4	02 Aug 2016	Water Color	Green
D4	02 Aug 2016	Current Direction	N
D4	02 Aug 2016	Wave Height Low (ft)	2
D4	02 Aug 2016	High Tide (ft)	4.5
D4	02 Aug 2016	High Tide Time	1003
D4	02 Aug 2016	Low Tide (ft)	1.4
D4	02 Aug 2016	Low Tide Time	1526
D4	02 Aug 2016	Comments	Water clear
D4	08 Aug 2016	Arrive Time	947
D4	08 Aug 2016	Weather	Cloudy
D4	08 Aug 2016	Wind Speed (kts)	2.3
D4	08 Aug 2016	Wind Dir	W
D4	08 Aug 2016	Animal Life	None
D4	08 Aug 2016	Floatables	None
D4	08 Aug 2016	Water Color	Green
D4	08 Aug 2016	Current Direction	N
D4	08 Aug 2016	Wave Height Low (ft)	4
D4	08 Aug 2016	High Tide (ft)	4.4
D4	08 Aug 2016	High Tide Time	1345
D4	08 Aug 2016	Low Tide (ft)	1.3
D4	08 Aug 2016	Low Tide Time	711
D4	08 Aug 2016	Comments	Water clear
D4	14 Aug 2016	Arrive Time	1010
D4	14 Aug 2016	Weather	Sunny
D4	14 Aug 2016	Wind Speed (kts)	7.7
D4	14 Aug 2016	Wind Dir	W
D4	14 Aug 2016	Animal Life	None
D4	14 Aug 2016	Floatables	None
D4	14 Aug 2016	Water Color	Green
D4	14 Aug 2016	Current Direction	W
D4	14 Aug 2016	Wave Height Low (ft)	2
D4	14 Aug 2016	High Tide (ft)	3.7
D4	14 Aug 2016	High Tide Time	802
D4	14 Aug 2016	Low Tide (ft)	2.2
D4	14 Aug 2016	Low Tide Time	1302
D4	14 Aug 2016	Comments	Kelp; Seagrass; Water clear
D4	20 Aug 2016	Arrive Time	1036
D4	20 Aug 2016	Weather	Partly Cloudy
D4	20 Aug 2016	Wind Speed (kts)	3
D4	20 Aug 2016	Wind Dir	W
D4	20 Aug 2016	Animal Life	None
D4	20 Aug 2016	Floatables	None

Station	Date	Parameter	Value
D4	20 Aug 2016	Water Color	Green
D4	20 Aug 2016	Current Direction	W
D4	20 Aug 2016	Wave Height Low (ft)	3
D4	20 Aug 2016	High Tide (ft)	5.1
D4	20 Aug 2016	High Tide Time	1117
D4	20 Aug 2016	Low Tide (ft)	-0.3
D4	20 Aug 2016	Low Tide Time	507
D4	20 Aug 2016	Comments	Kelp; Seagrass; Water turbid
D4	26 Aug 2016	Arrive Time	811
D4	26 Aug 2016	Weather	Cloudy
D4	26 Aug 2016	Wind Speed (kts)	3.3
D4	26 Aug 2016	Wind Dir	W
D4	26 Aug 2016	Animal Life	None
D4	26 Aug 2016	Floatables	None
D4	26 Aug 2016	Water Color	Green
D4	26 Aug 2016	Current Direction	N
D4	26 Aug 2016	Wave Height Low (ft)	2
D4	26 Aug 2016	High Tide (ft)	3.5
D4	26 Aug 2016	High Tide Time	557
D4	26 Aug 2016	Low Tide (ft)	2.3
D4	26 Aug 2016	Low Tide Time	1051
D4	26 Aug 2016	Comments	Kelp; Seagrass; Water clear
D5	02 Aug 2016	Arrive Time	959
D5	02 Aug 2016	Weather	Sunny
D5	02 Aug 2016	Wind Speed (kts)	1.1
D5	02 Aug 2016	Wind Dir	W
D5	02 Aug 2016	Animal Life	None
D5	02 Aug 2016	Floatables	None
D5	02 Aug 2016	Water Color	Green
D5	02 Aug 2016	Current Direction	N
D5	02 Aug 2016	Wave Height Low (ft)	2
D5	02 Aug 2016	High Tide (ft)	4.5
D5	02 Aug 2016	High Tide Time	1003
D5	02 Aug 2016	Low Tide (ft)	1.4
D5	02 Aug 2016	Low Tide Time	1526
D5	02 Aug 2016	Comments	Water clear
D5	08 Aug 2016	Arrive Time	957
D5	08 Aug 2016	Weather	Cloudy
D5	08 Aug 2016	Wind Speed (kts)	1.9
D5	08 Aug 2016	Wind Dir	W
D5	08 Aug 2016	Animal Life	None
D5	08 Aug 2016	Floatables	None
D5	08 Aug 2016	Water Color	Green
D5	08 Aug 2016	Current Direction	N
D5	08 Aug 2016	Wave Height Low (ft)	2
D5	08 Aug 2016	High Tide (ft)	4.4
D5	08 Aug 2016	High Tide Time	1345
D5	08 Aug 2016	Low Tide (ft)	1.3
D5	08 Aug 2016	Low Tide Time	711
D5	08 Aug 2016	Comments	Water clear
D5	14 Aug 2016	Arrive Time	953

Station	Date	Parameter	Value
D5	14 Aug 2016	Weather	Sunny
D5	14 Aug 2016	Wind Speed (kts)	1
D5	14 Aug 2016	Wind Dir	NW
D5	14 Aug 2016	Animal Life	None
D5	14 Aug 2016	Floatables	None
D5	14 Aug 2016	Water Color	Green
D5	14 Aug 2016	Current Direction	N
D5	14 Aug 2016	Wave Height Low (ft)	2
D5	14 Aug 2016	High Tide (ft)	3.7
D5	14 Aug 2016	High Tide Time	802
D5	14 Aug 2016	Low Tide (ft)	2.2
D5	14 Aug 2016	Low Tide Time	1302
D5	14 Aug 2016	Comments	Kelp; Seagrass; Algae; Water clear
D5	20 Aug 2016	Arrive Time	1057
D5	20 Aug 2016	Weather	Partly Cloudy
D5	20 Aug 2016	Wind Speed (kts)	3
D5	20 Aug 2016	Wind Dir	W
D5	20 Aug 2016	Animal Life	None
D5	20 Aug 2016	Floatables	None
D5	20 Aug 2016	Water Color	Green
D5	20 Aug 2016	Current Direction	W
D5	20 Aug 2016	Wave Height Low (ft)	4
D5	20 Aug 2016	High Tide (ft)	5.1
D5	20 Aug 2016	High Tide Time	1117
D5	20 Aug 2016	Low Tide (ft)	-0.3
D5	20 Aug 2016	Low Tide Time	507
D5	20 Aug 2016	Comments	Kelp; Seagrass; Water turbid
D5	26 Aug 2016	Arrive Time	752
D5	26 Aug 2016	Weather	Cloudy
D5	26 Aug 2016	Wind Speed (kts)	3.6
D5	26 Aug 2016	Wind Dir	W
D5	26 Aug 2016	Animal Life	None
D5	26 Aug 2016	Floatables	None
D5	26 Aug 2016	Water Color	Green
D5	26 Aug 2016	Current Direction	N
D5	26 Aug 2016	Wave Height Low (ft)	2
D5	26 Aug 2016	High Tide (ft)	3.5
D5	26 Aug 2016	High Tide Time	557
D5	26 Aug 2016	Low Tide (ft)	2.3
D5	26 Aug 2016	Low Tide Time	1051
D5	26 Aug 2016	Comments	Kelp; Seagrass; Algae; Water clear
D7	02 Aug 2016	Arrive Time	1255
D7	02 Aug 2016	Weather	Sunny
D7	02 Aug 2016	Wind Speed (kts)	2.3
D7	02 Aug 2016	Wind Dir	W
D7	02 Aug 2016	Animal Life	None
D7	02 Aug 2016	Floatables	None
D7	02 Aug 2016	Water Color	Green
D7	02 Aug 2016	Current Direction	N
D7	02 Aug 2016	Wave Height Low (ft)	4
D7	02 Aug 2016	High Tide (ft)	4.5
D7	02 Aug 2016	High Tide Time	1003

Station	Date	Parameter	Value
D7	02 Aug 2016	Low Tide (ft)	1.4
D7	02 Aug 2016	Low Tide Time	1526
D7	02 Aug 2016	Comments	9 Surfers; Water clear
D7	08 Aug 2016	Arrive Time	1245
D7	08 Aug 2016	Weather	Cloudy
D7	08 Aug 2016	Wind Speed (kts)	5
D7	08 Aug 2016	Wind Dir	W
D7	08 Aug 2016	Animal Life	None
D7	08 Aug 2016	Floatables	None
D7	08 Aug 2016	Water Color	Green
D7	08 Aug 2016	Current Direction	N
D7	08 Aug 2016	Wave Height Low (ft)	4
D7	08 Aug 2016	High Tide (ft)	4.4
D7	08 Aug 2016	High Tide Time	1345
D7	08 Aug 2016	Low Tide (ft)	1.3
D7	08 Aug 2016	Low Tide Time	711
D7	08 Aug 2016	Comments	Kelp; 6 Surfers; Water clear
D7	14 Aug 2016	Arrive Time	1032
D7	14 Aug 2016	Weather	Sunny
D7	14 Aug 2016	Wind Speed (kts)	3.3
D7	14 Aug 2016	Wind Dir	W
D7	14 Aug 2016	Animal Life	None
D7	14 Aug 2016	Floatables	None
D7	14 Aug 2016	Water Color	Green
D7	14 Aug 2016	Current Direction	N
D7	14 Aug 2016	Wave Height Low (ft)	3
D7	14 Aug 2016	High Tide (ft)	3.7
D7	14 Aug 2016	High Tide Time	802
D7	14 Aug 2016	Low Tide (ft)	2.2
D7	14 Aug 2016	Low Tide Time	1302
D7	14 Aug 2016	Comments	Kelp; Seagrass; Water clear
D7	20 Aug 2016	Arrive Time	1011
D7	20 Aug 2016	Weather	Cloudy
D7	20 Aug 2016	Wind Speed (kts)	3
D7	20 Aug 2016	Wind Dir	W
D7	20 Aug 2016	Animal Life	None
D7	20 Aug 2016	Floatables	None
D7	20 Aug 2016	Water Color	Green
D7	20 Aug 2016	Current Direction	W
D7	20 Aug 2016	Wave Height Low (ft)	4
D7	20 Aug 2016	High Tide (ft)	5.1
D7	20 Aug 2016	High Tide Time	1117
D7	20 Aug 2016	Low Tide (ft)	-0.3
D7	20 Aug 2016	Low Tide Time	507
D7	20 Aug 2016	Comments	Kelp; Seagrass; 11 Surfers; Water turbid
D7	26 Aug 2016	Arrive Time	835
D7	26 Aug 2016	Weather	Cloudy
D7	26 Aug 2016	Wind Speed (kts)	3.6
D7	26 Aug 2016	Wind Dir	W
D7	26 Aug 2016	Animal Life	None
D7	26 Aug 2016	Floatables	None

Station	Date	Parameter	Value
D7	26 Aug 2016	Water Color	Green
D7	26 Aug 2016	Current Direction	N
D7	26 Aug 2016	Wave Height Low (ft)	2
D7	26 Aug 2016	High Tide (ft)	3.5
D7	26 Aug 2016	High Tide Time	557
D7	26 Aug 2016	Low Tide (ft)	2.3
D7	26 Aug 2016	Low Tide Time	1051
D7	26 Aug 2016	Comments	Kelp; Seagrass; 1 Surfer; Water clear
D8-A	02 Aug 2016	Arrive Time	1237
D8-A	02 Aug 2016	Weather	Sunny
D8-A	02 Aug 2016	Wind Speed (kts)	5.4
D8-A	02 Aug 2016	Wind Dir	W
D8-A	02 Aug 2016	Animal Life	None
D8-A	02 Aug 2016	Floatables	None
D8-A	02 Aug 2016	Water Color	Green
D8-A	02 Aug 2016	Current Direction	N
D8-A	02 Aug 2016	Wave Height Low (ft)	4
D8-A	02 Aug 2016	High Tide (ft)	4.5
D8-A	02 Aug 2016	High Tide Time	1003
D8-A	02 Aug 2016	Low Tide (ft)	1.4
D8-A	02 Aug 2016	Low Tide Time	1526
D8-A	02 Aug 2016	Comments	1 Surfer; Water clear
D8-A	08 Aug 2016	Arrive Time	1230
D8-A	08 Aug 2016	Weather	Cloudy
D8-A	08 Aug 2016	Wind Speed (kts)	5.8
D8-A	08 Aug 2016	Wind Dir	W
D8-A	08 Aug 2016	Animal Life	None
D8-A	08 Aug 2016	Floatables	None
D8-A	08 Aug 2016	Water Color	Green
D8-A	08 Aug 2016	Current Direction	N
D8-A	08 Aug 2016	Wave Height Low (ft)	4
D8-A	08 Aug 2016	High Tide (ft)	4.4
D8-A	08 Aug 2016	High Tide Time	1345
D8-A	08 Aug 2016	Low Tide (ft)	1.3
D8-A	08 Aug 2016	Low Tide Time	711
D8-A	08 Aug 2016	Comments	Seagrass; Algae; Water clear
D8-A	14 Aug 2016	Arrive Time	1044
D8-A	14 Aug 2016	Weather	Sunny
D8-A	14 Aug 2016	Wind Speed (kts)	2.6
D8-A	14 Aug 2016	Wind Dir	W
D8-A	14 Aug 2016	Animal Life	None
D8-A	14 Aug 2016	Floatables	None
D8-A	14 Aug 2016	Water Color	Green
D8-A	14 Aug 2016	Current Direction	N
D8-A	14 Aug 2016	Wave Height Low (ft)	3
D8-A	14 Aug 2016	High Tide (ft)	3.7
D8-A	14 Aug 2016	High Tide Time	802
D8-A	14 Aug 2016	Low Tide (ft)	2.2
D8-A	14 Aug 2016	Low Tide Time	1302
D8-A	14 Aug 2016	Comments	Kelp; Seagrass; Algae; Water clear
D8-A	20 Aug 2016	Arrive Time	953

Station	Date	Parameter	Value
D8-A	20 Aug 2016	Weather	Cloudy
D8-A	20 Aug 2016	Wind Speed (kts)	3
D8-A	20 Aug 2016	Wind Dir	W
D8-A	20 Aug 2016	Animal Life	None
D8-A	20 Aug 2016	Floatables	None
D8-A	20 Aug 2016	Water Color	Green
D8-A	20 Aug 2016	Current Direction	W
D8-A	20 Aug 2016	Wave Height Low (ft)	5
D8-A	20 Aug 2016	High Tide (ft)	5.1
D8-A	20 Aug 2016	High Tide Time	1117
D8-A	20 Aug 2016	Low Tide (ft)	-0.3
D8-A	20 Aug 2016	Low Tide Time	507
D8-A	20 Aug 2016	Comments	None
D8-A	26 Aug 2016	Arrive Time	847
D8-A	26 Aug 2016	Weather	Cloudy
D8-A	26 Aug 2016	Wind Speed (kts)	1.3
D8-A	26 Aug 2016	Wind Dir	W
D8-A	26 Aug 2016	Animal Life	None
D8-A	26 Aug 2016	Floatables	None
D8-A	26 Aug 2016	Water Color	Green
D8-A	26 Aug 2016	Current Direction	N
D8-A	26 Aug 2016	Wave Height Low (ft)	2
D8-A	26 Aug 2016	High Tide (ft)	3.5
D8-A	26 Aug 2016	High Tide Time	557
D8-A	26 Aug 2016	Low Tide (ft)	2.3
D8-A	26 Aug 2016	Low Tide Time	1051
D8-A	26 Aug 2016	Comments	Kelp; Seagrass; Water clear
D9	02 Aug 2016	Arrive Time	1224
D9	02 Aug 2016	Weather	Sunny
D9	02 Aug 2016	Wind Speed (kts)	3.6
D9	02 Aug 2016	Wind Dir	W
D9	02 Aug 2016	Animal Life	None
D9	02 Aug 2016	Floatables	None
D9	02 Aug 2016	Water Color	Green
D9	02 Aug 2016	Current Direction	N
D9	02 Aug 2016	Wave Height Low (ft)	2
D9	02 Aug 2016	High Tide (ft)	4.5
D9	02 Aug 2016	High Tide Time	1003
D9	02 Aug 2016	Low Tide (ft)	1.4
D9	02 Aug 2016	Low Tide Time	1526
D9	02 Aug 2016	Comments	Water clear
D9	08 Aug 2016	Arrive Time	1216
D9	08 Aug 2016	Weather	Cloudy
D9	08 Aug 2016	Wind Speed (kts)	4.8
D9	08 Aug 2016	Wind Dir	W
D9	08 Aug 2016	Animal Life	None
D9	08 Aug 2016	Floatables	None
D9	08 Aug 2016	Water Color	Green
D9	08 Aug 2016	Current Direction	N
D9	08 Aug 2016	Wave Height Low (ft)	4
D9	08 Aug 2016	High Tide (ft)	4.4
D9	08 Aug 2016	High Tide Time	1345

Station	Date	Parameter	Value
D9	08 Aug 2016	Low Tide (ft)	1.3
D9	08 Aug 2016	Low Tide Time	711
D9	08 Aug 2016	Comments	Water clear
D9	14 Aug 2016	Arrive Time	1056
D9	14 Aug 2016	Weather	Sunny
D9	14 Aug 2016	Wind Speed (kts)	6.8
D9	14 Aug 2016	Wind Dir	W
D9	14 Aug 2016	Animal Life	None
D9	14 Aug 2016	Floatables	None
D9	14 Aug 2016	Water Color	Green
D9	14 Aug 2016	Current Direction	N
D9	14 Aug 2016	Wave Height Low (ft)	2
D9	14 Aug 2016	High Tide (ft)	3.7
D9	14 Aug 2016	High Tide Time	802
D9	14 Aug 2016	Low Tide (ft)	2.2
D9	14 Aug 2016	Low Tide Time	1302
D9	14 Aug 2016	Comments	Kelp; Seagrass; 6 Persons; Water clear
D9	20 Aug 2016	Arrive Time	934
D9	20 Aug 2016	Weather	Cloudy
D9	20 Aug 2016	Wind Speed (kts)	3
D9	20 Aug 2016	Wind Dir	W
D9	20 Aug 2016	Animal Life	None
D9	20 Aug 2016	Floatables	None
D9	20 Aug 2016	Water Color	Green
D9	20 Aug 2016	Current Direction	W
D9	20 Aug 2016	Wave Height Low (ft)	3
D9	20 Aug 2016	High Tide (ft)	5.1
D9	20 Aug 2016	High Tide Time	1117
D9	20 Aug 2016	Low Tide (ft)	-0.3
D9	20 Aug 2016	Low Tide Time	507
D9	20 Aug 2016	Comments	Kelp; Seagrass; 7 Surfers; Water turbid
D9	26 Aug 2016	Arrive Time	859
D9	26 Aug 2016	Weather	Cloudy
D9	26 Aug 2016	Wind Speed (kts)	1.7
D9	26 Aug 2016	Wind Dir	W
D9	26 Aug 2016	Animal Life	None
D9	26 Aug 2016	Floatables	None
D9	26 Aug 2016	Water Color	Green
D9	26 Aug 2016	Current Direction	N
D9	26 Aug 2016	Wave Height Low (ft)	2
D9	26 Aug 2016	High Tide (ft)	3.5
D9	26 Aug 2016	High Tide Time	557
D9	26 Aug 2016	Low Tide (ft)	2.3
D9	26 Aug 2016	Low Tide Time	1051
D9	26 Aug 2016	Comments	Kelp; Seagrass; 3 Surfers; Water clear
D10	02 Aug 2016	Arrive Time	1210
D10	02 Aug 2016	Weather	Sunny
D10	02 Aug 2016	Wind Speed (kts)	3.6
D10	02 Aug 2016	Wind Dir	W
D10	02 Aug 2016	Animal Life	None
D10	02 Aug 2016	Floatables	None

Station	Date	Parameter	Value
D10	02 Aug 2016	Water Color	Green
D10	02 Aug 2016	Current Direction	N
D10	02 Aug 2016	Wave Height Low (ft)	3
D10	02 Aug 2016	High Tide (ft)	4.5
D10	02 Aug 2016	High Tide Time	1003
D10	02 Aug 2016	Low Tide (ft)	1.4
D10	02 Aug 2016	Low Tide Time	1526
D10	02 Aug 2016	Comments	9 Persons; 6 Surfers; Water clear
D10	08 Aug 2016	Arrive Time	1204
D10	08 Aug 2016	Weather	Cloudy
D10	08 Aug 2016	Wind Speed (kts)	4.4
D10	08 Aug 2016	Wind Dir	W
D10	08 Aug 2016	Animal Life	None
D10	08 Aug 2016	Floatables	None
D10	08 Aug 2016	Water Color	Green
D10	08 Aug 2016	Current Direction	N
D10	08 Aug 2016	Wave Height Low (ft)	3
D10	08 Aug 2016	High Tide (ft)	4.4
D10	08 Aug 2016	High Tide Time	1345
D10	08 Aug 2016	Low Tide (ft)	1.3
D10	08 Aug 2016	Low Tide Time	711
D10	08 Aug 2016	Comments	6 Persons; 4 Surfers; Water clear
D10	14 Aug 2016	Arrive Time	1106
D10	14 Aug 2016	Weather	Sunny
D10	14 Aug 2016	Wind Speed (kts)	4.4
D10	14 Aug 2016	Wind Dir	W
D10	14 Aug 2016	Animal Life	None
D10	14 Aug 2016	Floatables	None
D10	14 Aug 2016	Water Color	Green
D10	14 Aug 2016	Current Direction	N
D10	14 Aug 2016	Wave Height Low (ft)	3
D10	14 Aug 2016	High Tide (ft)	3.7
D10	14 Aug 2016	High Tide Time	802
D10	14 Aug 2016	Low Tide (ft)	2.2
D10	14 Aug 2016	Low Tide Time	1302
D10	14 Aug 2016	Comments	Kelp; Seagrass; 15 Joggers; 20 Persons; 20 Surfers; 20 Swimmers; Water clear
D10	20 Aug 2016	Arrive Time	921
D10	20 Aug 2016	Weather	Cloudy
D10	20 Aug 2016	Wind Speed (kts)	3
D10	20 Aug 2016	Wind Dir	W
D10	20 Aug 2016	Animal Life	None
D10	20 Aug 2016	Floatables	None
D10	20 Aug 2016	Water Color	Green
D10	20 Aug 2016	Current Direction	W
D10	20 Aug 2016	Wave Height Low (ft)	3
D10	20 Aug 2016	High Tide (ft)	5.1
D10	20 Aug 2016	High Tide Time	1117
D10	20 Aug 2016	Low Tide (ft)	-0.3
D10	20 Aug 2016	Low Tide Time	507
D10	20 Aug 2016	Comments	Kelp; Seagrass; 5 Surfers

Station	Date	Parameter	Value
D10	26 Aug 2016	Arrive Time	932
D10	26 Aug 2016	Weather	Cloudy
D10	26 Aug 2016	Wind Speed (kts)	5.6
D10	26 Aug 2016	Wind Dir	SW
D10	26 Aug 2016	Animal Life	None
D10	26 Aug 2016	Floatables	None
D10	26 Aug 2016	Water Color	Green
D10	26 Aug 2016	Current Direction	N
D10	26 Aug 2016	Wave Height Low (ft)	3
D10	26 Aug 2016	High Tide (ft)	3.5
D10	26 Aug 2016	High Tide Time	557
D10	26 Aug 2016	Low Tide (ft)	2.3
D10	26 Aug 2016	Low Tide Time	1051
D10	26 Aug 2016	Comments	Kelp; Seagrass; 8 Persons; 9 Surfers; 3 Swimmers; Water clear
D11	02 Aug 2016	Arrive Time	1154
D11	02 Aug 2016	Weather	Sunny
D11	02 Aug 2016	Wind Speed (kts)	2.1
D11	02 Aug 2016	Wind Dir	W
D11	02 Aug 2016	Animal Life	None
D11	02 Aug 2016	Floatables	None
D11	02 Aug 2016	Water Color	Green
D11	02 Aug 2016	Current Direction	N
D11	02 Aug 2016	Wave Height Low (ft)	3
D11	02 Aug 2016	High Tide (ft)	4.5
D11	02 Aug 2016	High Tide Time	1003
D11	02 Aug 2016	Low Tide (ft)	1.4
D11	02 Aug 2016	Low Tide Time	1526
D11	02 Aug 2016	Comments	10 Persons; Water clear
D11	08 Aug 2016	Arrive Time	1152
D11	08 Aug 2016	Weather	Cloudy
D11	08 Aug 2016	Wind Speed (kts)	4.6
D11	08 Aug 2016	Wind Dir	W
D11	08 Aug 2016	Animal Life	None
D11	08 Aug 2016	Floatables	None
D11	08 Aug 2016	Water Color	Green
D11	08 Aug 2016	Current Direction	N
D11	08 Aug 2016	Wave Height Low (ft)	2
D11	08 Aug 2016	High Tide (ft)	4.4
D11	08 Aug 2016	High Tide Time	1345
D11	08 Aug 2016	Low Tide (ft)	1.3
D11	08 Aug 2016	Low Tide Time	711
D11	08 Aug 2016	Comments	2 Surfers; Water clear
D11	14 Aug 2016	Arrive Time	1121
D11	14 Aug 2016	Weather	Sunny
D11	14 Aug 2016	Wind Speed (kts)	5.4
D11	14 Aug 2016	Wind Dir	W
D11	14 Aug 2016	Animal Life	30 Dogs
D11	14 Aug 2016	Floatables	None
D11	14 Aug 2016	Water Color	Green
D11	14 Aug 2016	Current Direction	N
D11	14 Aug 2016	Wave Height Low (ft)	3
D11	14 Aug 2016	High Tide (ft)	3.7

Station	Date	Parameter	Value
D11	14 Aug 2016	High Tide Time	802
D11	14 Aug 2016	Low Tide (ft)	2.2
D11	14 Aug 2016	Low Tide Time	1302
D11	14 Aug 2016	Comments	Kelp; Seagrass; 5 Joggers; 20 Persons; 5 Surfers; 20 Swimmers; Water clear
D11	20 Aug 2016	Arrive Time	909
D11	20 Aug 2016	Weather	Cloudy
D11	20 Aug 2016	Wind Speed (kts)	1
D11	20 Aug 2016	Wind Dir	W
D11	20 Aug 2016	Animal Life	None
D11	20 Aug 2016	Floatables	None
D11	20 Aug 2016	Water Color	Green
D11	20 Aug 2016	Current Direction	W
D11	20 Aug 2016	Wave Height Low (ft)	3
D11	20 Aug 2016	High Tide (ft)	5.1
D11	20 Aug 2016	High Tide Time	1117
D11	20 Aug 2016	Low Tide (ft)	-0.3
D11	20 Aug 2016	Low Tide Time	507
D11	20 Aug 2016	Comments	Kelp; Seagrass; 20 Surfers; Water turbid
D11	26 Aug 2016	Arrive Time	958
D11	26 Aug 2016	Weather	Cloudy
D11	26 Aug 2016	Wind Speed (kts)	5.8
D11	26 Aug 2016	Wind Dir	W
D11	26 Aug 2016	Animal Life	None
D11	26 Aug 2016	Floatables	None
D11	26 Aug 2016	Water Color	Green
D11	26 Aug 2016	Current Direction	N
D11	26 Aug 2016	Wave Height Low (ft)	3
D11	26 Aug 2016	High Tide (ft)	3.5
D11	26 Aug 2016	High Tide Time	557
D11	26 Aug 2016	Low Tide (ft)	2.3
D11	26 Aug 2016	Low Tide Time	1051
D11	26 Aug 2016	Comments	Kelp; Seagrass; 2 Persons; 4 Surfers; Water clear
D12	02 Aug 2016	Arrive Time	1132
D12	02 Aug 2016	Weather	Sunny
D12	02 Aug 2016	Wind Speed (kts)	5.9
D12	02 Aug 2016	Wind Dir	W
D12	02 Aug 2016	Animal Life	None
D12	02 Aug 2016	Floatables	None
D12	02 Aug 2016	Water Color	Green
D12	02 Aug 2016	Current Direction	N
D12	02 Aug 2016	Wave Height Low (ft)	3
D12	02 Aug 2016	High Tide (ft)	4.5
D12	02 Aug 2016	High Tide Time	1003
D12	02 Aug 2016	Low Tide (ft)	1.4
D12	02 Aug 2016	Low Tide Time	1526
D12	02 Aug 2016	Comments	16 Persons; Water clear
D12	08 Aug 2016	Arrive Time	1131
D12	08 Aug 2016	Weather	Cloudy
D12	08 Aug 2016	Wind Speed (kts)	3.1
D12	08 Aug 2016	Wind Dir	W

Station	Date	Parameter	Value
D12	08 Aug 2016	Animal Life	None
D12	08 Aug 2016	Floatables	None
D12	08 Aug 2016	Water Color	Green
D12	08 Aug 2016	Current Direction	N
D12	08 Aug 2016	Wave Height Low (ft)	3
D12	08 Aug 2016	High Tide (ft)	4.4
D12	08 Aug 2016	High Tide Time	1345
D12	08 Aug 2016	Low Tide (ft)	1.3
D12	08 Aug 2016	Low Tide Time	711
D12	08 Aug 2016	Comments	10 Persons; Water clear
D12	14 Aug 2016	Arrive Time	1149
D12	14 Aug 2016	Weather	Sunny
D12	14 Aug 2016	Wind Speed (kts)	5.1
D12	14 Aug 2016	Wind Dir	W
D12	14 Aug 2016	Animal Life	None
D12	14 Aug 2016	Floatables	None
D12	14 Aug 2016	Water Color	Green
D12	14 Aug 2016	Current Direction	N
D12	14 Aug 2016	Wave Height Low (ft)	3
D12	14 Aug 2016	High Tide (ft)	3.7
D12	14 Aug 2016	High Tide Time	802
D12	14 Aug 2016	Low Tide (ft)	2.2
D12	14 Aug 2016	Low Tide Time	1302
D12	14 Aug 2016	Comments	Kelp; Seagrass; 20 Persons; 5 Surfers; 20 Swimmers; Water clear
D12	20 Aug 2016	Arrive Time	840
D12	20 Aug 2016	Weather	Cloudy
D12	20 Aug 2016	Wind Speed (kts)	5
D12	20 Aug 2016	Wind Dir	W
D12	20 Aug 2016	Animal Life	None
D12	20 Aug 2016	Floatables	None
D12	20 Aug 2016	Water Color	Green
D12	20 Aug 2016	Current Direction	W
D12	20 Aug 2016	Wave Height Low (ft)	3
D12	20 Aug 2016	High Tide (ft)	5.1
D12	20 Aug 2016	High Tide Time	1117
D12	20 Aug 2016	Low Tide (ft)	-0.3
D12	20 Aug 2016	Low Tide Time	507
D12	20 Aug 2016	Comments	Kelp; Seagrass; 10 Swimmers; Water turbid; Trash
D12	26 Aug 2016	Arrive Time	1038
D12	26 Aug 2016	Weather	Cloudy
D12	26 Aug 2016	Wind Speed (kts)	4
D12	26 Aug 2016	Wind Dir	W
D12	26 Aug 2016	Animal Life	None
D12	26 Aug 2016	Floatables	None
D12	26 Aug 2016	Water Color	Green
D12	26 Aug 2016	Current Direction	N
D12	26 Aug 2016	Wave Height Low (ft)	2
D12	26 Aug 2016	High Tide (ft)	3.5
D12	26 Aug 2016	High Tide Time	557
D12	26 Aug 2016	Low Tide (ft)	2.3
D12	26 Aug 2016	Low Tide Time	1051
D12	26 Aug 2016	Comments	Kelp; Seagrass; 4 Persons; 4 Swimmers; Water clear

Kelp Stations

Table 3.1

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

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

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

* Geometric mean calculated using n<5

Table 3.3

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2016	2	2	2	2	2	2	2	2
02 Aug 2016	2	2	2	2	2	2	2	2
03 Aug 2016	2	2	2	2	2	2	2	2
04 Aug 2016	2	2	2	2	2	2	2	2
05 Aug 2016	2	2	2	2	2	2	2	2
06 Aug 2016	2	2	2	2	2	2	2	2
07 Aug 2016	2	2	2	2	2	2	2	2
08 Aug 2016	2	2	2	2	2	2	2	2
09 Aug 2016	2	2	2	2	2	2	2	2
10 Aug 2016	2	2	2	2	2	2	2	2
11 Aug 2016	2	2	2	2	2	2	2	2
12 Aug 2016	2	2	2	2	2	2	2	2
13 Aug 2016	2	2	2	2	2	2	2	2
14 Aug 2016	2	2	2	2	2	2	2	2
15 Aug 2016	2	2	2	2	2	2	2	2
16 Aug 2016	2	2	2	2	2	2	2	2
17 Aug 2016	2	2	2	2	2	2	2	2
18 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
19 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
20 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
21 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
22 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
23 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
24 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
25 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
26 Aug 2016	2*	2*	2*	2*	2*	2*	2*	2*
27 Aug 2016	2	2	2	2	2	2	2	2
28 Aug 2016	2	2	2	2	2	2	2	2
29 Aug 2016	2	2	2	2	2	2	2	2
30 Aug 2016	2	2	2	2	2	2	2	2
31 Aug 2016	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
01 Aug 2016	IC							
11 Aug 2016	IC							
24 Aug 2016	IC							
27 Aug 2016	IC							
30 Aug 2016	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.5

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2016	IC							
11 Aug 2016	IC							
24 Aug 2016	IC							
27 Aug 2016	IC							
30 Aug 2016	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2016	IC							
11 Aug 2016	IC							
24 Aug 2016	IC							
27 Aug 2016	IC							
30 Aug 2016	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.7

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2016	IC							
11 Aug 2016	IC							
24 Aug 2016	IC							
27 Aug 2016	IC							
30 Aug 2016	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.8

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

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH ₃	Temp	XMS	DO	Sal	pH
A1	01 Aug 2016	958	1	<2	<2	<2	1.00	ns	22.1	82.98	8.8	33.56	8.3
A1	01 Aug 2016	958	12	<20	<2	<2	0.10	ns	20.6	80.50	8.2	33.53	8.2
A1	01 Aug 2016	958	18	4e	<2	<2	0.50	ns	17.0	80.60	7.6	33.40	8.2
A1	11 Aug 2016	754	1	<2	<2	<2	1.00	<0.01	22.7	72.28	7.6	33.66	8.3
A1	11 Aug 2016	754	12	<2	<2	<2	1.00	<0.01	18.6	75.24	6.3	33.41	8.2
A1	11 Aug 2016	754	18	<2	<2	<2	1.00	<0.01	16.1	82.91	6.4	33.36	8.1
A1	24 Aug 2016	759	1	<2	<2	<2	1.00	ns	18.6	81.95	7.5	33.28	8.2
A1	24 Aug 2016	759	12	<2	<2	<2	1.00	ns	15.0	80.14	6.9	33.30	8.1
A1	24 Aug 2016	759	18	<2	<2	<2	1.00	ns	14.5	80.62	7.2	33.30	8.1
A1	27 Aug 2016	753	1	<2	<2	<2	1.00	ns	19.7	83.23	7.6	33.41	8.2
A1	27 Aug 2016	753	12	<2	<2	<2	1.00	ns	15.4	78.06	7.2	33.28	8.1
A1	27 Aug 2016	753	18	<2	<2	<2	1.00	ns	14.9	79.68	6.8	33.26	8.1
A1	30 Aug 2016	800	1	<2	<2	<2	1.00	ns	19.9	81.67	7.8	33.44	8.2
A1	30 Aug 2016	800	12	<2	<2	<2	1.00	ns	14.4	82.15	6.0	33.18	8.1
A1	30 Aug 2016	800	18	2e	<2	<2	1.00	ns	13.4	85.67	6.5	33.26	8.0
C4	01 Aug 2016	1255	1	<2	<2	<2	1.00	ns	22.5	82.29	8.7	33.57	8.3
C4	01 Aug 2016	1255	3	<2	<2	<2	1.00	ns	22.5	82.22	8.7	33.57	8.3
C4	01 Aug 2016	1255	9	<20	<2	<2	0.10	ns	21.0	79.67	8.8	33.54	8.3
C4	11 Aug 2016	933	1	<2	<2	<2	1.00	<0.01	23.2	75.09	7.3	33.68	8.3
C4	11 Aug 2016	933	3	<2	<2	<2	1.00	<0.01	22.7	74.97	6.4	33.64	8.3
C4	11 Aug 2016	933	9	<2	<2	<2	1.00	0.01	19.4	75.39	5.4	33.46	8.1
C4	24 Aug 2016	1034	1	2e	<2	<2	1.00	ns	19.4	81.73	8.0	33.43	8.2
C4	24 Aug 2016	1034	3	2e	<2	<2	1.00	ns	18.2	78.27	7.7	33.46	8.2
C4	24 Aug 2016	1034	9	<2	<2	<2	1.00	ns	15.2	71.40	6.4	33.32	8.1
C4	27 Aug 2016	934	1	2e	<2	<2	1.00	ns	20.1	79.91	7.8	33.45	8.2
C4	27 Aug 2016	934	3	2e	<2	<2	1.00	ns	19.0	79.82	7.0	33.31	8.2
C4	27 Aug 2016	934	9	<2	<2	<2	1.00	ns	15.6	79.23	6.3	33.27	8.1
C4	30 Aug 2016	1016	1	<2	<2	<2	1.00	ns	19.2	79.52	7.5	33.42	8.2
C4	30 Aug 2016	1016	3	<2	<2	<2	1.00	ns	18.6	79.53	7.2	33.37	8.2
C4	30 Aug 2016	1016	9	2e	<2	<2	1.00	ns	15.9	73.24	7.3	33.32	8.1
C5	01 Aug 2016	1240	1	<2	<2	<2	1.00	ns	17.7	81.72	8.7	33.42	8.2
C5	01 Aug 2016	1240	3	<2	<2	<2	1.00	ns	22.6	82.55	8.6	33.59	8.3
C5	01 Aug 2016	1240	9	2e	<2	<2	1.00	ns	18.5	80.17	8.4	33.46	8.2
C5	11 Aug 2016	920	1	<2	<2	<2	1.00	0.01	23.0	74.52	7.5	33.67	8.3
C5	11 Aug 2016	920	3	<2	<2	<2	1.00	<0.01	21.7	74.07	6.8	33.55	8.3

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C5	11 Aug 2016	920	9	<2	<2	<2	1.00	<0.01	18.4	74.03	6.3	33.46	8.1
C5	24 Aug 2016	1024	1	<2	<2	<2	1.00	ns	20.1	83.37	8.1	33.45	8.2
C5	24 Aug 2016	1024	3	<2	<2	<2	1.00	ns	18.9	82.73	8.0	33.45	8.2
C5	24 Aug 2016	1024	9	<2	<2	<2	1.00	ns	15.9	79.43	6.7	33.28	8.1
C5	27 Aug 2016	923	1	6e	<2	<2	0.33	ns	20.3	80.56	7.8	33.44	8.2
C5	27 Aug 2016	923	3	<2	<2	<2	1.00	ns	19.8	81.52	7.8	33.47	8.2
C5	27 Aug 2016	923	9	<2	<2	<2	1.00	ns	15.3	81.32	6.5	33.30	8.1
C5	30 Aug 2016	1005	1	<2	<2	<2	1.00	ns	19.6	80.23	7.9	33.40	8.2
C5	30 Aug 2016	1005	3	<2	<2	<2	1.00	ns	19.4	80.21	5.8	33.47	8.2
C5	30 Aug 2016	1005	9	<2	<2	<2	1.00	ns	15.6	68.66	6.7	33.35	8.1
A6	01 Aug 2016	1039	1	<2	<2	10e	1.00	ns	22.1	82.51	8.9	33.58	8.3
A6	01 Aug 2016	1039	12	2e	<2	<2	1.00	ns	20.2	80.86	8.9	33.50	8.2
A6	01 Aug 2016	1039	18	4e	<2	<2	0.50	ns	18.4	80.99	8.6	33.46	8.2
A6	11 Aug 2016	827	1	2e	<2	<2	1.00	<0.01	23.4	77.07	8.1	33.69	8.3
A6	11 Aug 2016	827	12	<2	<2	<2	1.00	<0.01	18.5	76.37	6.5	33.39	8.2
A6	11 Aug 2016	827	18	<2	<2	<2	1.00	<0.01	16.3	84.32	6.6	33.35	8.1
A6	24 Aug 2016	850	1	<2	<2	<2	1.00	ns	20.3	83.64	8.0	33.46	8.2
A6	24 Aug 2016	850	12	<2	<2	<2	1.00	ns	15.6	81.11	7.2	33.29	8.1
A6	24 Aug 2016	850	18	6e	<2	<2	0.33	ns	15.3	82.44	7.2	33.31	8.1
A6	27 Aug 2016	822	1	<2	<2	<2	1.00	ns	20.2	83.73	7.2	33.46	8.2
A6	27 Aug 2016	822	12	<2	<2	<2	1.00	ns	14.6	82.01	6.5	33.24	8.1
A6	27 Aug 2016	822	18	8e	2e	<2	0.25	ns	13.7	86.92	6.8	33.24	8.0
A6	30 Aug 2016	835	1	<2	<2	<2	1.00	ns	20.1	80.69	8.1	33.43	8.2
A6	30 Aug 2016	835	12	2e	<2	<2	1.00	ns	15.2	83.41	6.1	33.25	8.1
A6	30 Aug 2016	835	18	4e	<2	<2	0.50	ns	13.8	85.83	6.3	33.24	8.0
C6	01 Aug 2016	1217	1	<2	<2	<2	1.00	ns	22.4	83.01	8.9	33.58	8.3
C6	01 Aug 2016	1217	3	<2	<2	<2	1.00	ns	22.2	82.79	8.9	33.58	8.3
C6	01 Aug 2016	1217	9	<2	<2	<2	1.00	ns	18.9	80.12	9.3	33.43	8.2
C6	11 Aug 2016	909	1	<2	<2	<2	1.00	<0.01	23.3	74.45	7.9	33.68	8.3
C6	11 Aug 2016	909	3	<2	<2	<2	1.00	<0.01	23.1	72.46	7.4	33.66	8.3
C6	11 Aug 2016	909	9	<2	<2	<2	1.00	<0.01	19.6	78.59	7.0	33.55	8.1
C6	24 Aug 2016	1010	1	<2	<2	<2	1.00	ns	20.4	83.31	7.9	33.45	8.2
C6	24 Aug 2016	1010	3	<2	<2	<2	1.00	ns	19.8	82.70	7.3	33.37	8.2
C6	24 Aug 2016	1010	9	<2	<2	<2	1.00	ns	15.7	81.28	7.5	33.31	8.1
C6	27 Aug 2016	912	1	<2	<2	<2	1.00	ns	19.9	80.98	7.9	33.44	8.2
C6	27 Aug 2016	912	3	<2	<2	<2	1.00	ns	18.5	81.20	7.8	33.49	8.2
C6	27 Aug 2016	912	9	<2	<2	<2	1.00	ns	15.9	79.06	7.0	33.35	8.1
C6	30 Aug 2016	958	1	<2	<2	<2	1.00	ns	19.8	79.80	8.1	33.40	8.2
C6	30 Aug 2016	958	3	2e	<2	<2	1.00	ns	19.6	80.32	6.4	33.44	8.2
C6	30 Aug 2016	958	9	<20	<2	<2	0.10	ns	16.1	57.49	6.0	33.41	8.1
A7	01 Aug 2016	1020	1	<2	<2	<2	1.00	ns	22.4	83.07	8.7	33.59	8.3

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	N-NH3	Temp	XMS	DO	Sal	pH
A7	01 Aug 2016	1020	12	<2	<2	<2	1.00	ns	19.3	79.57	8.8	33.45	8.2
A7	01 Aug 2016	1020	18	<2	<2	<2	1.00	ns	18.6	80.72	8.0	33.45	8.2
A7	11 Aug 2016	807	1	<2	<2	<2	1.00	<0.01	23.2	77.25	8.0	33.69	8.3
A7	11 Aug 2016	807	12	<2	<2	<2	1.00	<0.01	18.4	76.89	6.4	33.40	8.1
A7	11 Aug 2016	807	18	<2	<2	<2	1.00	<0.01	16.0	84.62	6.3	33.35	8.1
A7	24 Aug 2016	835	1	<2	<2	<2	1.00	ns	20.1	81.86	7.8	33.45	8.2
A7	24 Aug 2016	835	12	<2	<2	<2	1.00	ns	15.7	80.64	6.2	33.28	8.1
A7	24 Aug 2016	835	18	<2	2e	<2	1.00	ns	14.6	84.78	6.8	33.29	8.1
A7	27 Aug 2016	808	1	<2	<2	<2	1.00	ns	20.0	80.29	7.7	33.41	8.2
A7	27 Aug 2016	808	12	2e	<2	<2	1.00	ns	15.0	77.80	7.0	33.46	8.1
A7	27 Aug 2016	808	18	<2	<2	<2	1.00	ns	14.6	79.53	5.8	33.35	8.1
A7	30 Aug 2016	820	1	8e	<2	<2	0.25	ns	19.8	80.41	7.5	33.44	8.2
A7	30 Aug 2016	820	12	40e	2e	<2	0.05	ns	14.9	82.96	6.1	33.26	8.1
A7	30 Aug 2016	820	18	2e	<2	<2	1.00	ns	13.8	83.68	7.0	33.25	8.0
C7	01 Aug 2016	1054	1	<20	<2	<2	0.10	ns	23.7	78.98	8.4	33.68	8.3
C7	01 Aug 2016	1054	12	<2	<2	<2	1.00	ns	18.6	80.73	8.7	33.44	8.2
C7	01 Aug 2016	1054	18	<2	<2	<2	1.00	ns	15.8	80.77	7.8	33.37	8.1
C7	11 Aug 2016	841	1	<2	<2	<2	1.00	<0.01	23.4	76.05	8.2	33.68	8.3
C7	11 Aug 2016	841	12	<2	<2	<2	1.00	<0.01	20.0	75.96	6.2	33.45	8.2
C7	11 Aug 2016	841	18	<2	<2	<2	1.00	<0.01	16.6	81.05	6.4	33.37	8.1
C7	24 Aug 2016	923	1	<2	<2	<2	1.00	ns	19.8	83.72	8.2	33.45	8.2
C7	24 Aug 2016	923	12	<2	<2	<2	1.00	ns	16.4	79.53	6.1	33.30	8.2
C7	24 Aug 2016	923	18	<2	<2	<2	1.00	ns	14.6	82.82	7.3	33.30	8.1
C7	27 Aug 2016	840	1	4e	<2	<2	0.50	ns	20.0	79.85	7.6	33.46	8.2
C7	27 Aug 2016	840	12	2e	<2	<2	1.00	ns	14.7	83.92	6.5	33.24	8.1
C7	27 Aug 2016	840	18	<2	<2	<2	1.00	ns	13.8	86.85	6.6	33.27	8.0
C7	30 Aug 2016	906	1	<2	<2	<2	1.00	ns	19.1	80.84	7.9	33.39	8.2
C7	30 Aug 2016	906	12	2e	<2	<2	1.00	ns	14.7	82.50	5.7	33.25	8.1
C7	30 Aug 2016	906	18	2e	<2	<2	1.00	ns	13.5	80.45	6.5	33.29	8.0
C8	01 Aug 2016	1104	1	<20	<2	<2	0.10	ns	23.6	79.27	8.9	33.67	8.3
C8	01 Aug 2016	1104	12	2e	<2	<2	1.00	ns	19.3	80.96	8.6	33.47	8.3
C8	01 Aug 2016	1104	18	<2	<2	<2	1.00	ns	15.9	81.11	7.9	33.37	8.1
C8	11 Aug 2016	852	1	<2	<2	<2	1.00	<0.01	23.4	76.34	8.0	33.68	8.3
C8	11 Aug 2016	852	12	<2	<2	<2	1.00	0.01	18.7	77.35	6.4	33.41	8.2
C8	11 Aug 2016	852	18	2e	<2	<2	1.00	<0.01	15.6	82.71	6.2	33.34	8.1
C8	24 Aug 2016	940	1	<2	<2	<2	1.00	ns	20.0	84.33	8.1	33.43	8.2
C8	24 Aug 2016	940	12	<2	<2	<2	1.00	ns	16.7	80.29	7.0	33.34	8.2
C8	24 Aug 2016	940	18	<2	<2	<2	1.00	ns	15.1	84.65	7.0	33.31	8.1
C8	27 Aug 2016	853	1	<2	<2	<2	1.00	ns	20.1	85.85	8.2	33.43	8.2
C8	27 Aug 2016	853	12	4e	<2	<2	0.50	ns	15.6	82.68	6.6	33.24	8.2
C8	27 Aug 2016	853	18	<2	<2	<2	1.00	ns	14.3	84.69	6.7	33.27	8.1

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C8	30 Aug 2016	918	1	<2	<2	<2	1.00	ns	19.7	80.98	8.6	33.42	8.2
C8	30 Aug 2016	918	12	<2	<2	<2	1.00	ns	16.7	81.16	6.8	33.28	8.2
C8	30 Aug 2016	918	18	2e	2e	<2	1.00	ns	13.6	85.26	6.6	33.24	8.0

ns = not sampled

ND = no data

Table 3.9

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

Station	Date	Parameter	Value
A1	01 Aug 2016	Depth (m)	18
A1	01 Aug 2016	Arrive Time	958
A1	01 Aug 2016	Depart Time	1019
A1	01 Aug 2016	Air Temp (C)	22
A1	01 Aug 2016	Weather	Clear
A1	01 Aug 2016	Visibility (mi)	10
A1	01 Aug 2016	Wind Speed (kts)	3
A1	01 Aug 2016	Wind Dir	SE
A1	01 Aug 2016	Water Color	Bluish-Green
A1	01 Aug 2016	Wave Ht Low (ft)	1
A1	01 Aug 2016	Wave Period (sec)	9
A1	01 Aug 2016	Sea State	Calm
A1	01 Aug 2016	High Tide (ft)	4.33
A1	01 Aug 2016	High Tide Time	926
A1	01 Aug 2016	Low Tide (ft)	1.51
A1	01 Aug 2016	Low Tide Time	1442
A1	01 Aug 2016	Comments	
A1	11 Aug 2016	Depth (m)	19
A1	11 Aug 2016	Arrive Time	754
A1	11 Aug 2016	Depart Time	759
A1	11 Aug 2016	Air Temp (C)	21
A1	11 Aug 2016	Weather	Fog
A1	11 Aug 2016	Visibility (mi)	3
A1	11 Aug 2016	Wind Speed (kts)	0
A1	11 Aug 2016	Wind Dir	
A1	11 Aug 2016	Water Color	Green
A1	11 Aug 2016	Wave Ht Low (ft)	3
A1	11 Aug 2016	Wave Period (sec)	9
A1	11 Aug 2016	Sea State	Calm
A1	11 Aug 2016	High Tide (ft)	2.93
A1	11 Aug 2016	High Tide Time	502
A1	11 Aug 2016	Low Tide (ft)	2.42
A1	11 Aug 2016	Low Tide Time	952
A1	11 Aug 2016	Comments	Kelp; Boats
A1	24 Aug 2016	Depth (m)	18
A1	24 Aug 2016	Arrive Time	759
A1	24 Aug 2016	Depart Time	823
A1	24 Aug 2016	Air Temp (C)	20
A1	24 Aug 2016	Weather	Continuous layer of clouds
A1	24 Aug 2016	Visibility (mi)	4
A1	24 Aug 2016	Wind Speed (kts)	1
A1	24 Aug 2016	Wind Dir	E
A1	24 Aug 2016	Water Color	Brownish-Green
A1	24 Aug 2016	Wave Ht Low (ft)	4
A1	24 Aug 2016	Wave Period (sec)	13
A1	24 Aug 2016	Sea State	Calm
A1	24 Aug 2016	High Tide (ft)	5.16
A1	24 Aug 2016	High Tide Time	1441
A1	24 Aug 2016	Low Tide (ft)	1.73

Station	Date	Parameter	Value
A1	24 Aug 2016	Low Tide Time	806
A1	24 Aug 2016	Comments	
A1	27 Aug 2016	Depth (m)	18
A1	27 Aug 2016	Arrive Time	753
A1	27 Aug 2016	Depart Time	759
A1	27 Aug 2016	Air Temp (C)	19
A1	27 Aug 2016	Weather	Cloudy
A1	27 Aug 2016	Visibility (mi)	6
A1	27 Aug 2016	Wind Speed (kts)	0
A1	27 Aug 2016	Wind Dir	
A1	27 Aug 2016	Water Color	Green
A1	27 Aug 2016	Wave Ht Low (ft)	3
A1	27 Aug 2016	Wave Period (sec)	13
A1	27 Aug 2016	Sea State	Calm
A1	27 Aug 2016	High Tide (ft)	3.84
A1	27 Aug 2016	High Tide Time	706
A1	27 Aug 2016	Low Tide (ft)	2.16
A1	27 Aug 2016	Low Tide Time	1207
A1	27 Aug 2016	Comments	
A1	30 Aug 2016	Depth (m)	19
A1	30 Aug 2016	Arrive Time	800
A1	30 Aug 2016	Depart Time	815
A1	30 Aug 2016	Air Temp (C)	19
A1	30 Aug 2016	Weather	Overcast
A1	30 Aug 2016	Visibility (mi)	5
A1	30 Aug 2016	Wind Speed (kts)	2
A1	30 Aug 2016	Wind Dir	SW
A1	30 Aug 2016	Water Color	Green
A1	30 Aug 2016	Wave Ht Low (ft)	3
A1	30 Aug 2016	Wave Period (sec)	9
A1	30 Aug 2016	Sea State	Calm
A1	30 Aug 2016	High Tide (ft)	4.7
A1	30 Aug 2016	High Tide Time	903
A1	30 Aug 2016	Low Tide (ft)	1.3
A1	30 Aug 2016	Low Tide Time	1438
A1	30 Aug 2016	Comments	Kelp
C4	01 Aug 2016	Depth (m)	10
C4	01 Aug 2016	Arrive Time	1255
C4	01 Aug 2016	Depart Time	1300
C4	01 Aug 2016	Air Temp (C)	22
C4	01 Aug 2016	Weather	Clear
C4	01 Aug 2016	Visibility (mi)	10
C4	01 Aug 2016	Wind Speed (kts)	6
C4	01 Aug 2016	Wind Dir	NE
C4	01 Aug 2016	Water Color	Bluish-Green
C4	01 Aug 2016	Wave Ht Low (ft)	3
C4	01 Aug 2016	Wave Period (sec)	13
C4	01 Aug 2016	Sea State	Calm
C4	01 Aug 2016	High Tide (ft)	4.33
C4	01 Aug 2016	High Tide Time	926
C4	01 Aug 2016	Low Tide (ft)	1.51
C4	01 Aug 2016	Low Tide Time	1442

Station	Date	Parameter	Value
C4	01 Aug 2016	Comments	
C4	11 Aug 2016	Depth (m)	9
C4	11 Aug 2016	Arrive Time	933
C4	11 Aug 2016	Depart Time	938
C4	11 Aug 2016	Air Temp (C)	21
C4	11 Aug 2016	Weather	Overcast
C4	11 Aug 2016	Visibility (mi)	5
C4	11 Aug 2016	Wind Speed (kts)	2
C4	11 Aug 2016	Wind Dir	W
C4	11 Aug 2016	Water Color	Green
C4	11 Aug 2016	Wave Ht Low (ft)	3
C4	11 Aug 2016	Wave Period (sec)	9
C4	11 Aug 2016	Sea State	Calm
C4	11 Aug 2016	High Tide (ft)	2.93
C4	11 Aug 2016	High Tide Time	502
C4	11 Aug 2016	Low Tide (ft)	2.42
C4	11 Aug 2016	Low Tide Time	952
C4	11 Aug 2016	Comments	Kelp debris
C4	24 Aug 2016	Depth (m)	9
C4	24 Aug 2016	Arrive Time	1034
C4	24 Aug 2016	Depart Time	1036
C4	24 Aug 2016	Air Temp (C)	20
C4	24 Aug 2016	Weather	Haze
C4	24 Aug 2016	Visibility (mi)	4
C4	24 Aug 2016	Wind Speed (kts)	5
C4	24 Aug 2016	Wind Dir	N
C4	24 Aug 2016	Water Color	Brownish-Green
C4	24 Aug 2016	Wave Ht Low (ft)	4
C4	24 Aug 2016	Wave Period (sec)	13
C4	24 Aug 2016	Sea State	Calm
C4	24 Aug 2016	High Tide (ft)	5.16
C4	24 Aug 2016	High Tide Time	1441
C4	24 Aug 2016	Low Tide (ft)	1.73
C4	24 Aug 2016	Low Tide Time	806
C4	24 Aug 2016	Comments	
C4	27 Aug 2016	Depth (m)	11
C4	27 Aug 2016	Arrive Time	934
C4	27 Aug 2016	Depart Time	940
C4	27 Aug 2016	Air Temp (C)	20
C4	27 Aug 2016	Weather	Cloudy
C4	27 Aug 2016	Visibility (mi)	6
C4	27 Aug 2016	Wind Speed (kts)	5
C4	27 Aug 2016	Wind Dir	NE
C4	27 Aug 2016	Water Color	Green
C4	27 Aug 2016	Wave Ht Low (ft)	3
C4	27 Aug 2016	Wave Period (sec)	13
C4	27 Aug 2016	Sea State	Calm
C4	27 Aug 2016	High Tide (ft)	3.84
C4	27 Aug 2016	High Tide Time	706
C4	27 Aug 2016	Low Tide (ft)	2.16
C4	27 Aug 2016	Low Tide Time	1207
C4	27 Aug 2016	Comments	Kelp

Station	Date	Parameter	Value
C4	30 Aug 2016	Depth (m)	9
C4	30 Aug 2016	Arrive Time	1016
C4	30 Aug 2016	Depart Time	1022
C4	30 Aug 2016	Air Temp (C)	20
C4	30 Aug 2016	Weather	Overcast
C4	30 Aug 2016	Visibility (mi)	7
C4	30 Aug 2016	Wind Speed (kts)	2
C4	30 Aug 2016	Wind Dir	SW
C4	30 Aug 2016	Water Color	Green
C4	30 Aug 2016	Wave Ht Low (ft)	3
C4	30 Aug 2016	Wave Period (sec)	9
C4	30 Aug 2016	Sea State	Calm
C4	30 Aug 2016	High Tide (ft)	4.7
C4	30 Aug 2016	High Tide Time	903
C4	30 Aug 2016	Low Tide (ft)	1.3
C4	30 Aug 2016	Low Tide Time	1438
C4	30 Aug 2016	Comments	Kelp
C5	01 Aug 2016	Depth (m)	9
C5	01 Aug 2016	Arrive Time	1240
C5	01 Aug 2016	Depart Time	1248
C5	01 Aug 2016	Air Temp (C)	22
C5	01 Aug 2016	Weather	Clear
C5	01 Aug 2016	Visibility (mi)	10
C5	01 Aug 2016	Wind Speed (kts)	9
C5	01 Aug 2016	Wind Dir	W
C5	01 Aug 2016	Water Color	Bluish-Green
C5	01 Aug 2016	Wave Ht Low (ft)	3
C5	01 Aug 2016	Wave Period (sec)	13
C5	01 Aug 2016	Sea State	Calm
C5	01 Aug 2016	High Tide (ft)	4.33
C5	01 Aug 2016	High Tide Time	926
C5	01 Aug 2016	Low Tide (ft)	1.51
C5	01 Aug 2016	Low Tide Time	1442
C5	01 Aug 2016	Comments	
C5	11 Aug 2016	Depth (m)	10
C5	11 Aug 2016	Arrive Time	920
C5	11 Aug 2016	Depart Time	923
C5	11 Aug 2016	Air Temp (C)	21
C5	11 Aug 2016	Weather	Overcast
C5	11 Aug 2016	Visibility (mi)	5
C5	11 Aug 2016	Wind Speed (kts)	4
C5	11 Aug 2016	Wind Dir	N
C5	11 Aug 2016	Water Color	Green
C5	11 Aug 2016	Wave Ht Low (ft)	3
C5	11 Aug 2016	Wave Period (sec)	9
C5	11 Aug 2016	Sea State	Calm
C5	11 Aug 2016	High Tide (ft)	2.93
C5	11 Aug 2016	High Tide Time	502
C5	11 Aug 2016	Low Tide (ft)	2.42
C5	11 Aug 2016	Low Tide Time	952
C5	11 Aug 2016	Comments	Boats

Station	Date	Parameter	Value
C5	24 Aug 2016	Depth (m)	9
C5	24 Aug 2016	Arrive Time	1024
C5	24 Aug 2016	Depart Time	1027
C5	24 Aug 2016	Air Temp (C)	20
C5	24 Aug 2016	Weather	Haze
C5	24 Aug 2016	Visibility (mi)	4
C5	24 Aug 2016	Wind Speed (kts)	5
C5	24 Aug 2016	Wind Dir	N
C5	24 Aug 2016	Water Color	Brownish-Green
C5	24 Aug 2016	Wave Ht Low (ft)	4
C5	24 Aug 2016	Wave Period (sec)	13
C5	24 Aug 2016	Sea State	Calm
C5	24 Aug 2016	High Tide (ft)	5.16
C5	24 Aug 2016	High Tide Time	1441
C5	24 Aug 2016	Low Tide (ft)	1.73
C5	24 Aug 2016	Low Tide Time	806
C5	24 Aug 2016	Comments	Kelp
C5	27 Aug 2016	Depth (m)	10
C5	27 Aug 2016	Arrive Time	923
C5	27 Aug 2016	Depart Time	928
C5	27 Aug 2016	Air Temp (C)	20
C5	27 Aug 2016	Weather	Cloudy
C5	27 Aug 2016	Visibility (mi)	6
C5	27 Aug 2016	Wind Speed (kts)	6
C5	27 Aug 2016	Wind Dir	NE
C5	27 Aug 2016	Water Color	Green
C5	27 Aug 2016	Wave Ht Low (ft)	3
C5	27 Aug 2016	Wave Period (sec)	13
C5	27 Aug 2016	Sea State	Calm
C5	27 Aug 2016	High Tide (ft)	3.84
C5	27 Aug 2016	High Tide Time	706
C5	27 Aug 2016	Low Tide (ft)	2.16
C5	27 Aug 2016	Low Tide Time	1207
C5	27 Aug 2016	Comments	Kelp
C5	30 Aug 2016	Depth (m)	9
C5	30 Aug 2016	Arrive Time	1005
C5	30 Aug 2016	Depart Time	1010
C5	30 Aug 2016	Air Temp (C)	20
C5	30 Aug 2016	Weather	Overcast
C5	30 Aug 2016	Visibility (mi)	5
C5	30 Aug 2016	Wind Speed (kts)	2
C5	30 Aug 2016	Wind Dir	N
C5	30 Aug 2016	Water Color	Green
C5	30 Aug 2016	Wave Ht Low (ft)	3
C5	30 Aug 2016	Wave Period (sec)	9
C5	30 Aug 2016	Sea State	Calm
C5	30 Aug 2016	High Tide (ft)	4.7
C5	30 Aug 2016	High Tide Time	903
C5	30 Aug 2016	Low Tide (ft)	1.3
C5	30 Aug 2016	Low Tide Time	1438
C5	30 Aug 2016	Comments	Kelp; Seagrass
A6	01 Aug 2016	Depth (m)	19

Station	Date	Parameter	Value
A6	01 Aug 2016	Arrive Time	1039
A6	01 Aug 2016	Depart Time	1041
A6	01 Aug 2016	Air Temp (C)	22
A6	01 Aug 2016	Weather	Clear
A6	01 Aug 2016	Visibility (mi)	10
A6	01 Aug 2016	Wind Speed (kts)	5
A6	01 Aug 2016	Wind Dir	SW
A6	01 Aug 2016	Water Color	Bluish-Green
A6	01 Aug 2016	Wave Ht Low (ft)	3
A6	01 Aug 2016	Wave Period (sec)	13
A6	01 Aug 2016	Sea State	Calm
A6	01 Aug 2016	High Tide (ft)	4.33
A6	01 Aug 2016	High Tide Time	926
A6	01 Aug 2016	Low Tide (ft)	1.51
A6	01 Aug 2016	Low Tide Time	1442
A6	01 Aug 2016	Comments	
A6	11 Aug 2016	Depth (m)	18
A6	11 Aug 2016	Arrive Time	827
A6	11 Aug 2016	Depart Time	831
A6	11 Aug 2016	Air Temp (C)	21
A6	11 Aug 2016	Weather	Overcast
A6	11 Aug 2016	Visibility (mi)	5
A6	11 Aug 2016	Wind Speed (kts)	3
A6	11 Aug 2016	Wind Dir	W
A6	11 Aug 2016	Water Color	Green
A6	11 Aug 2016	Wave Ht Low (ft)	3
A6	11 Aug 2016	Wave Period (sec)	9
A6	11 Aug 2016	Sea State	Calm
A6	11 Aug 2016	High Tide (ft)	2.93
A6	11 Aug 2016	High Tide Time	502
A6	11 Aug 2016	Low Tide (ft)	2.42
A6	11 Aug 2016	Low Tide Time	952
A6	11 Aug 2016	Comments	Boats
A6	24 Aug 2016	Depth (m)	19
A6	24 Aug 2016	Arrive Time	850
A6	24 Aug 2016	Depart Time	859
A6	24 Aug 2016	Air Temp (C)	20
A6	24 Aug 2016	Weather	Continuous layer of clouds
A6	24 Aug 2016	Visibility (mi)	4
A6	24 Aug 2016	Wind Speed (kts)	2
A6	24 Aug 2016	Wind Dir	E
A6	24 Aug 2016	Water Color	Brownish-Green
A6	24 Aug 2016	Wave Ht Low (ft)	4
A6	24 Aug 2016	Wave Period (sec)	13
A6	24 Aug 2016	Sea State	Calm
A6	24 Aug 2016	High Tide (ft)	5.16
A6	24 Aug 2016	High Tide Time	1441
A6	24 Aug 2016	Low Tide (ft)	1.73
A6	24 Aug 2016	Low Tide Time	806
A6	24 Aug 2016	Comments	
A6	27 Aug 2016	Depth (m)	20
A6	27 Aug 2016	Arrive Time	822

Station	Date	Parameter	Value
A6	27 Aug 2016	Depart Time	829
A6	27 Aug 2016	Air Temp (C)	19
A6	27 Aug 2016	Weather	Cloudy
A6	27 Aug 2016	Visibility (mi)	6
A6	27 Aug 2016	Wind Speed (kts)	4
A6	27 Aug 2016	Wind Dir	S
A6	27 Aug 2016	Water Color	Green
A6	27 Aug 2016	Wave Ht Low (ft)	3
A6	27 Aug 2016	Wave Period (sec)	13
A6	27 Aug 2016	Sea State	Calm
A6	27 Aug 2016	High Tide (ft)	3.84
A6	27 Aug 2016	High Tide Time	706
A6	27 Aug 2016	Low Tide (ft)	2.16
A6	27 Aug 2016	Low Tide Time	1207
A6	27 Aug 2016	Comments	
A6	30 Aug 2016	Depth (m)	18
A6	30 Aug 2016	Arrive Time	835
A6	30 Aug 2016	Depart Time	855
A6	30 Aug 2016	Air Temp (C)	20
A6	30 Aug 2016	Weather	Overcast
A6	30 Aug 2016	Visibility (mi)	5
A6	30 Aug 2016	Wind Speed (kts)	2
A6	30 Aug 2016	Wind Dir	E
A6	30 Aug 2016	Water Color	Green
A6	30 Aug 2016	Wave Ht Low (ft)	3
A6	30 Aug 2016	Wave Period (sec)	9
A6	30 Aug 2016	Sea State	Calm
A6	30 Aug 2016	High Tide (ft)	4.7
A6	30 Aug 2016	High Tide Time	903
A6	30 Aug 2016	Low Tide (ft)	1.3
A6	30 Aug 2016	Low Tide Time	1438
A6	30 Aug 2016	Comments	Kelp; trouble getting depth took 4 casts
C6	01 Aug 2016	Depth (m)	9
C6	01 Aug 2016	Arrive Time	1217
C6	01 Aug 2016	Depart Time	1227
C6	01 Aug 2016	Air Temp (C)	22
C6	01 Aug 2016	Weather	Clear
C6	01 Aug 2016	Visibility (mi)	10
C6	01 Aug 2016	Wind Speed (kts)	7
C6	01 Aug 2016	Wind Dir	N
C6	01 Aug 2016	Water Color	Bluish-Green
C6	01 Aug 2016	Wave Ht Low (ft)	3
C6	01 Aug 2016	Wave Period (sec)	13
C6	01 Aug 2016	Sea State	Calm
C6	01 Aug 2016	High Tide (ft)	4.33
C6	01 Aug 2016	High Tide Time	926
C6	01 Aug 2016	Low Tide (ft)	1.51
C6	01 Aug 2016	Low Tide Time	1442
C6	01 Aug 2016	Comments	
C6	11 Aug 2016	Depth (m)	9
C6	11 Aug 2016	Arrive Time	909
C6	11 Aug 2016	Depart Time	914

Station	Date	Parameter	Value
C6	11 Aug 2016	Air Temp (C)	21
C6	11 Aug 2016	Weather	Overcast
C6	11 Aug 2016	Visibility (mi)	5
C6	11 Aug 2016	Wind Speed (kts)	6
C6	11 Aug 2016	Wind Dir	S
C6	11 Aug 2016	Water Color	Green
C6	11 Aug 2016	Wave Ht Low (ft)	3
C6	11 Aug 2016	Wave Period (sec)	9
C6	11 Aug 2016	Sea State	Calm
C6	11 Aug 2016	High Tide (ft)	2.93
C6	11 Aug 2016	High Tide Time	502
C6	11 Aug 2016	Low Tide (ft)	2.42
C6	11 Aug 2016	Low Tide Time	952
C6	11 Aug 2016	Comments	Kelp; Boats
C6	24 Aug 2016	Depth (m)	9
C6	24 Aug 2016	Arrive Time	1010
C6	24 Aug 2016	Depart Time	1017
C6	24 Aug 2016	Air Temp (C)	20
C6	24 Aug 2016	Weather	Haze
C6	24 Aug 2016	Visibility (mi)	4
C6	24 Aug 2016	Wind Speed (kts)	5
C6	24 Aug 2016	Wind Dir	SW
C6	24 Aug 2016	Water Color	Brownish-Green
C6	24 Aug 2016	Wave Ht Low (ft)	4
C6	24 Aug 2016	Wave Period (sec)	13
C6	24 Aug 2016	Sea State	Calm
C6	24 Aug 2016	High Tide (ft)	5.16
C6	24 Aug 2016	High Tide Time	1441
C6	24 Aug 2016	Low Tide (ft)	1.73
C6	24 Aug 2016	Low Tide Time	806
C6	24 Aug 2016	Comments	
C6	27 Aug 2016	Depth (m)	9
C6	27 Aug 2016	Arrive Time	912
C6	27 Aug 2016	Depart Time	916
C6	27 Aug 2016	Air Temp (C)	20
C6	27 Aug 2016	Weather	Cloudy
C6	27 Aug 2016	Visibility (mi)	6
C6	27 Aug 2016	Wind Speed (kts)	4
C6	27 Aug 2016	Wind Dir	SW
C6	27 Aug 2016	Water Color	Green
C6	27 Aug 2016	Wave Ht Low (ft)	3
C6	27 Aug 2016	Wave Period (sec)	13
C6	27 Aug 2016	Sea State	Calm
C6	27 Aug 2016	High Tide (ft)	3.84
C6	27 Aug 2016	High Tide Time	706
C6	27 Aug 2016	Low Tide (ft)	2.16
C6	27 Aug 2016	Low Tide Time	1207
C6	27 Aug 2016	Comments	Kelp
C6	30 Aug 2016	Depth (m)	9
C6	30 Aug 2016	Arrive Time	958
C6	30 Aug 2016	Depart Time	1003
C6	30 Aug 2016	Air Temp (C)	20

Station	Date	Parameter	Value
C6	30 Aug 2016	Weather	Overcast
C6	30 Aug 2016	Visibility (mi)	5
C6	30 Aug 2016	Wind Speed (kts)	6
C6	30 Aug 2016	Wind Dir	SE
C6	30 Aug 2016	Water Color	Green
C6	30 Aug 2016	Wave Ht Low (ft)	3
C6	30 Aug 2016	Wave Period (sec)	9
C6	30 Aug 2016	Sea State	Calm
C6	30 Aug 2016	High Tide (ft)	4.7
C6	30 Aug 2016	High Tide Time	903
C6	30 Aug 2016	Low Tide (ft)	1.3
C6	30 Aug 2016	Low Tide Time	1438
C6	30 Aug 2016	Comments	Kelp
A7	01 Aug 2016	Depth (m)	19
A7	01 Aug 2016	Arrive Time	1020
A7	01 Aug 2016	Depart Time	1028
A7	01 Aug 2016	Air Temp (C)	22
A7	01 Aug 2016	Weather	Clear
A7	01 Aug 2016	Visibility (mi)	10
A7	01 Aug 2016	Wind Speed (kts)	5
A7	01 Aug 2016	Wind Dir	SE
A7	01 Aug 2016	Water Color	Bluish-Green
A7	01 Aug 2016	Wave Ht Low (ft)	1
A7	01 Aug 2016	Wave Period (sec)	9
A7	01 Aug 2016	Sea State	Calm
A7	01 Aug 2016	High Tide (ft)	4.33
A7	01 Aug 2016	High Tide Time	926
A7	01 Aug 2016	Low Tide (ft)	1.51
A7	01 Aug 2016	Low Tide Time	1442
A7	01 Aug 2016	Comments	
A7	11 Aug 2016	Depth (m)	18
A7	11 Aug 2016	Arrive Time	807
A7	11 Aug 2016	Depart Time	816
A7	11 Aug 2016	Air Temp (C)	21
A7	11 Aug 2016	Weather	Fog
A7	11 Aug 2016	Visibility (mi)	3
A7	11 Aug 2016	Wind Speed (kts)	4
A7	11 Aug 2016	Wind Dir	NW
A7	11 Aug 2016	Water Color	Green
A7	11 Aug 2016	Wave Ht Low (ft)	3
A7	11 Aug 2016	Wave Period (sec)	9
A7	11 Aug 2016	Sea State	Calm
A7	11 Aug 2016	High Tide (ft)	2.93
A7	11 Aug 2016	High Tide Time	502
A7	11 Aug 2016	Low Tide (ft)	2.42
A7	11 Aug 2016	Low Tide Time	952
A7	11 Aug 2016	Comments	Boats; Kelp
A7	24 Aug 2016	Depth (m)	19
A7	24 Aug 2016	Arrive Time	835
A7	24 Aug 2016	Depart Time	839
A7	24 Aug 2016	Air Temp (C)	20
A7	24 Aug 2016	Weather	Continuous layer of clouds

Station	Date	Parameter	Value
A7	24 Aug 2016	Visibility (mi)	4
A7	24 Aug 2016	Wind Speed (kts)	1
A7	24 Aug 2016	Wind Dir	S
A7	24 Aug 2016	Water Color	Brownish-Green
A7	24 Aug 2016	Wave Ht Low (ft)	4
A7	24 Aug 2016	Wave Period (sec)	13
A7	24 Aug 2016	Sea State	Calm
A7	24 Aug 2016	High Tide (ft)	5.16
A7	24 Aug 2016	High Tide Time	1441
A7	24 Aug 2016	Low Tide (ft)	1.73
A7	24 Aug 2016	Low Tide Time	806
A7	24 Aug 2016	Comments	Kelp
A7	27 Aug 2016	Depth (m)	20
A7	27 Aug 2016	Arrive Time	808
A7	27 Aug 2016	Depart Time	813
A7	27 Aug 2016	Air Temp (C)	19
A7	27 Aug 2016	Weather	Cloudy
A7	27 Aug 2016	Visibility (mi)	6
A7	27 Aug 2016	Wind Speed (kts)	3
A7	27 Aug 2016	Wind Dir	SE
A7	27 Aug 2016	Water Color	Green
A7	27 Aug 2016	Wave Ht Low (ft)	3
A7	27 Aug 2016	Wave Period (sec)	13
A7	27 Aug 2016	Sea State	Calm
A7	27 Aug 2016	High Tide (ft)	3.84
A7	27 Aug 2016	High Tide Time	706
A7	27 Aug 2016	Low Tide (ft)	2.16
A7	27 Aug 2016	Low Tide Time	1207
A7	27 Aug 2016	Comments	
A7	30 Aug 2016	Depth (m)	19
A7	30 Aug 2016	Arrive Time	820
A7	30 Aug 2016	Depart Time	825
A7	30 Aug 2016	Air Temp (C)	19
A7	30 Aug 2016	Weather	Overcast
A7	30 Aug 2016	Visibility (mi)	5
A7	30 Aug 2016	Wind Speed (kts)	4
A7	30 Aug 2016	Wind Dir	NE
A7	30 Aug 2016	Water Color	Green
A7	30 Aug 2016	Wave Ht Low (ft)	3
A7	30 Aug 2016	Wave Period (sec)	9
A7	30 Aug 2016	Sea State	Calm
A7	30 Aug 2016	High Tide (ft)	4.7
A7	30 Aug 2016	High Tide Time	903
A7	30 Aug 2016	Low Tide (ft)	1.3
A7	30 Aug 2016	Low Tide Time	1438
A7	30 Aug 2016	Comments	500ml sample was taken as 250 ml by mistake; Kelp; Could not obtain depth within 0.05 nm; Kelp debris
C7	01 Aug 2016	Depth (m)	18
C7	01 Aug 2016	Arrive Time	1054
C7	01 Aug 2016	Depart Time	1057
C7	01 Aug 2016	Air Temp (C)	22
C7	01 Aug 2016	Weather	Clear

Station	Date	Parameter	Value
C7	01 Aug 2016	Visibility (mi)	10
C7	01 Aug 2016	Wind Speed (kts)	6
C7	01 Aug 2016	Wind Dir	S
C7	01 Aug 2016	Water Color	Bluish-Green
C7	01 Aug 2016	Wave Ht Low (ft)	3
C7	01 Aug 2016	Wave Period (sec)	13
C7	01 Aug 2016	Sea State	Calm
C7	01 Aug 2016	High Tide (ft)	4.33
C7	01 Aug 2016	High Tide Time	926
C7	01 Aug 2016	Low Tide (ft)	1.51
C7	01 Aug 2016	Low Tide Time	1442
C7	01 Aug 2016	Comments	
C7	11 Aug 2016	Depth (m)	19
C7	11 Aug 2016	Arrive Time	841
C7	11 Aug 2016	Depart Time	844
C7	11 Aug 2016	Air Temp (C)	21
C7	11 Aug 2016	Weather	Overcast
C7	11 Aug 2016	Visibility (mi)	5
C7	11 Aug 2016	Wind Speed (kts)	2
C7	11 Aug 2016	Wind Dir	S
C7	11 Aug 2016	Water Color	Green
C7	11 Aug 2016	Wave Ht Low (ft)	3
C7	11 Aug 2016	Wave Period (sec)	9
C7	11 Aug 2016	Sea State	Calm
C7	11 Aug 2016	High Tide (ft)	2.93
C7	11 Aug 2016	High Tide Time	502
C7	11 Aug 2016	Low Tide (ft)	2.42
C7	11 Aug 2016	Low Tide Time	952
C7	11 Aug 2016	Comments	Kelp; Boats
C7	24 Aug 2016	Depth (m)	17
C7	24 Aug 2016	Arrive Time	923
C7	24 Aug 2016	Depart Time	932
C7	24 Aug 2016	Air Temp (C)	20
C7	24 Aug 2016	Weather	Continuous layer of clouds
C7	24 Aug 2016	Visibility (mi)	4
C7	24 Aug 2016	Wind Speed (kts)	4
C7	24 Aug 2016	Wind Dir	E
C7	24 Aug 2016	Water Color	Brownish-Green
C7	24 Aug 2016	Wave Ht Low (ft)	4
C7	24 Aug 2016	Wave Period (sec)	13
C7	24 Aug 2016	Sea State	Calm
C7	24 Aug 2016	High Tide (ft)	5.16
C7	24 Aug 2016	High Tide Time	1441
C7	24 Aug 2016	Low Tide (ft)	1.73
C7	24 Aug 2016	Low Tide Time	806
C7	24 Aug 2016	Comments	Unable to obtain station depth after 3 attempts due to low tide
C7	27 Aug 2016	Depth (m)	18
C7	27 Aug 2016	Arrive Time	840
C7	27 Aug 2016	Depart Time	846
C7	27 Aug 2016	Air Temp (C)	19
C7	27 Aug 2016	Weather	Cloudy
C7	27 Aug 2016	Visibility (mi)	6

Station	Date	Parameter	Value
C7	27 Aug 2016	Wind Speed (kts)	2
C7	27 Aug 2016	Wind Dir	NW
C7	27 Aug 2016	Water Color	Green
C7	27 Aug 2016	Wave Ht Low (ft)	3
C7	27 Aug 2016	Wave Period (sec)	13
C7	27 Aug 2016	Sea State	Calm
C7	27 Aug 2016	High Tide (ft)	3.84
C7	27 Aug 2016	High Tide Time	706
C7	27 Aug 2016	Low Tide (ft)	2.16
C7	27 Aug 2016	Low Tide Time	1207
C7	27 Aug 2016	Comments	
C7	30 Aug 2016	Depth (m)	19
C7	30 Aug 2016	Arrive Time	906
C7	30 Aug 2016	Depart Time	911
C7	30 Aug 2016	Air Temp (C)	20
C7	30 Aug 2016	Weather	Overcast
C7	30 Aug 2016	Visibility (mi)	5
C7	30 Aug 2016	Wind Speed (kts)	3
C7	30 Aug 2016	Wind Dir	S
C7	30 Aug 2016	Water Color	Green
C7	30 Aug 2016	Wave Ht Low (ft)	3
C7	30 Aug 2016	Wave Period (sec)	9
C7	30 Aug 2016	Sea State	Calm
C7	30 Aug 2016	High Tide (ft)	4.7
C7	30 Aug 2016	High Tide Time	903
C7	30 Aug 2016	Low Tide (ft)	1.3
C7	30 Aug 2016	Low Tide Time	1438
C7	30 Aug 2016	Comments	Kelp; 500ml sample was taken as 250 ml by mistake; Kelp debris
C8	01 Aug 2016	Depth (m)	18
C8	01 Aug 2016	Arrive Time	1104
C8	01 Aug 2016	Depart Time	1110
C8	01 Aug 2016	Air Temp (C)	22
C8	01 Aug 2016	Weather	Clear
C8	01 Aug 2016	Visibility (mi)	10
C8	01 Aug 2016	Wind Speed (kts)	6
C8	01 Aug 2016	Wind Dir	NW
C8	01 Aug 2016	Water Color	Bluish-Green
C8	01 Aug 2016	Wave Ht Low (ft)	3
C8	01 Aug 2016	Wave Period (sec)	13
C8	01 Aug 2016	Sea State	Calm
C8	01 Aug 2016	High Tide (ft)	4.33
C8	01 Aug 2016	High Tide Time	926
C8	01 Aug 2016	Low Tide (ft)	1.51
C8	01 Aug 2016	Low Tide Time	1442
C8	01 Aug 2016	Comments	
C8	11 Aug 2016	Depth (m)	19
C8	11 Aug 2016	Arrive Time	852
C8	11 Aug 2016	Depart Time	855
C8	11 Aug 2016	Air Temp (C)	21
C8	11 Aug 2016	Weather	Overcast
C8	11 Aug 2016	Visibility (mi)	5
C8	11 Aug 2016	Wind Speed (kts)	5

Station	Date	Parameter	Value
C8	11 Aug 2016	Wind Dir	NW
C8	11 Aug 2016	Water Color	Green
C8	11 Aug 2016	Wave Ht Low (ft)	3
C8	11 Aug 2016	Wave Period (sec)	9
C8	11 Aug 2016	Sea State	Calm
C8	11 Aug 2016	High Tide (ft)	2.93
C8	11 Aug 2016	High Tide Time	502
C8	11 Aug 2016	Low Tide (ft)	2.42
C8	11 Aug 2016	Low Tide Time	952
C8	11 Aug 2016	Comments	
C8	24 Aug 2016	Depth (m)	18
C8	24 Aug 2016	Arrive Time	940
C8	24 Aug 2016	Depart Time	949
C8	24 Aug 2016	Air Temp (C)	20
C8	24 Aug 2016	Weather	Continuous layer of clouds
C8	24 Aug 2016	Visibility (mi)	4
C8	24 Aug 2016	Wind Speed (kts)	7
C8	24 Aug 2016	Wind Dir	E
C8	24 Aug 2016	Water Color	Brownish-Green
C8	24 Aug 2016	Wave Ht Low (ft)	4
C8	24 Aug 2016	Wave Period (sec)	13
C8	24 Aug 2016	Sea State	Calm
C8	24 Aug 2016	High Tide (ft)	5.16
C8	24 Aug 2016	High Tide Time	1441
C8	24 Aug 2016	Low Tide (ft)	1.73
C8	24 Aug 2016	Low Tide Time	806
C8	24 Aug 2016	Comments	
C8	27 Aug 2016	Depth (m)	18
C8	27 Aug 2016	Arrive Time	853
C8	27 Aug 2016	Depart Time	900
C8	27 Aug 2016	Air Temp (C)	20
C8	27 Aug 2016	Weather	Cloudy
C8	27 Aug 2016	Visibility (mi)	6
C8	27 Aug 2016	Wind Speed (kts)	6
C8	27 Aug 2016	Wind Dir	E
C8	27 Aug 2016	Water Color	Green
C8	27 Aug 2016	Wave Ht Low (ft)	3
C8	27 Aug 2016	Wave Period (sec)	13
C8	27 Aug 2016	Sea State	Calm
C8	27 Aug 2016	High Tide (ft)	3.84
C8	27 Aug 2016	High Tide Time	706
C8	27 Aug 2016	Low Tide (ft)	2.16
C8	27 Aug 2016	Low Tide Time	1207
C8	27 Aug 2016	Comments	
C8	30 Aug 2016	Depth (m)	18
C8	30 Aug 2016	Arrive Time	918
C8	30 Aug 2016	Depart Time	932
C8	30 Aug 2016	Air Temp (C)	20
C8	30 Aug 2016	Weather	Overcast
C8	30 Aug 2016	Visibility (mi)	5
C8	30 Aug 2016	Wind Speed (kts)	2
C8	30 Aug 2016	Wind Dir	SE

Station	Date	Parameter	Value
C8	30 Aug 2016	Water Color	Green
C8	30 Aug 2016	Wave Ht Low (ft)	3
C8	30 Aug 2016	Wave Period (sec)	9
C8	30 Aug 2016	Sea State	Calm
C8	30 Aug 2016	High Tide (ft)	4.7
C8	30 Aug 2016	High Tide Time	903
C8	30 Aug 2016	Low Tide (ft)	1.3
C8	30 Aug 2016	Low Tide Time	1438
C8	30 Aug 2016	Comments	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	01 Aug 2016	1	22.05	82.98	8.8	33.56	8.3	23.1	0.80
A1	01 Aug 2016	2	21.97	82.84	8.9	33.56	8.3	23.1	0.89
A1	01 Aug 2016	3	21.89	82.33	8.8	33.56	8.3	23.2	0.98
A1	01 Aug 2016	4	21.88	82.47	8.8	33.56	8.3	23.2	1.05
A1	01 Aug 2016	5	21.87	82.64	8.7	33.56	8.3	23.2	1.14
A1	01 Aug 2016	6	21.80	82.11	8.7	33.55	8.3	23.2	1.18
A1	01 Aug 2016	7	21.63	82.45	8.7	33.54	8.3	23.2	1.24
A1	01 Aug 2016	8	21.48	82.11	8.5	33.55	8.3	23.3	1.37
A1	01 Aug 2016	9	21.42	81.87	8.4	33.55	8.2	23.3	1.49
A1	01 Aug 2016	10	21.27	81.67	8.4	33.53	8.2	23.3	1.55
A1	01 Aug 2016	11	20.80	81.07	8.4	33.53	8.2	23.4	1.69
A1	01 Aug 2016	12	20.64	80.50	8.2	33.53	8.2	23.5	2.00
A1	01 Aug 2016	13	20.25	80.06	7.8	33.49	8.2	23.5	2.14
A1	01 Aug 2016	14	19.39	79.70	7.6	33.45	8.2	23.7	2.19
A1	01 Aug 2016	15	17.84	79.86	7.6	33.38	8.2	24.1	2.17
A1	01 Aug 2016	16	17.00	80.60	7.6	33.40	8.2	24.3	2.14
A1	11 Aug 2016	1	22.67	72.28	7.6	33.66	8.3	23.0	3.40
A1	11 Aug 2016	2	22.31	74.63	7.5	33.60	8.3	23.1	3.94
A1	11 Aug 2016	3	20.96	74.39	7.7	33.49	8.2	23.4	3.83
A1	11 Aug 2016	4	20.04	74.06	7.9	33.47	8.2	23.6	3.72
A1	11 Aug 2016	5	19.82	74.65	7.9	33.46	8.2	23.6	3.60
A1	11 Aug 2016	6	19.73	75.00	7.9	33.45	8.2	23.6	3.75
A1	11 Aug 2016	7	19.46	75.26	7.8	33.43	8.2	23.7	4.24
A1	11 Aug 2016	8	19.18	76.16	7.6	33.42	8.2	23.8	4.69
A1	11 Aug 2016	9	18.99	76.46	7.3	33.42	8.2	23.8	4.88
A1	11 Aug 2016	10	18.84	75.99	7.0	33.42	8.2	23.9	4.92
A1	11 Aug 2016	11	18.77	75.32	6.6	33.42	8.2	23.9	4.45
A1	11 Aug 2016	12	18.61	75.24	6.3	33.41	8.2	23.9	4.06
A1	11 Aug 2016	13	18.16	75.11	6.3	33.40	8.1	24.0	3.55
A1	11 Aug 2016	14	17.51	76.80	6.3	33.38	8.1	24.2	2.66
A1	11 Aug 2016	15	17.34	77.90	6.2	33.39	8.1	24.2	1.66
A1	11 Aug 2016	16	17.12	78.55	6.1	33.37	8.1	24.2	1.42
A1	11 Aug 2016	17	16.54	80.34	6.2	33.35	8.1	24.4	1.77
A1	11 Aug 2016	18	16.14	82.91	6.4	33.36	8.1	24.5	2.17
A1	24 Aug 2016	1	18.63	81.95	7.5	33.28	8.2	23.8	5.12
A1	24 Aug 2016	2	17.73	80.61	7.5	33.38	8.2	24.1	5.17
A1	24 Aug 2016	3	17.25	79.88	7.4	33.33	8.2	24.2	5.04
A1	24 Aug 2016	4	16.59	79.63	7.4	33.31	8.2	24.3	4.92
A1	24 Aug 2016	5	16.15	78.73	7.3	33.32	8.1	24.4	4.65
A1	24 Aug 2016	6	15.83	78.56	7.2	33.31	8.1	24.5	4.71
A1	24 Aug 2016	7	15.62	78.52	7.2	33.31	8.1	24.5	4.01
A1	24 Aug 2016	8	15.52	78.73	7.1	33.31	8.1	24.6	3.72
A1	24 Aug 2016	9	15.37	79.05	7.0	33.31	8.1	24.6	3.57
A1	24 Aug 2016	10	15.26	79.48	7.0	33.30	8.1	24.6	3.54
A1	24 Aug 2016	11	15.13	79.53	6.9	33.30	8.1	24.6	3.37
A1	24 Aug 2016	12	15.02	80.14	6.9	33.30	8.1	24.7	3.36
A1	24 Aug 2016	13	14.92	80.38	6.9	33.28	8.1	24.7	3.52
A1	24 Aug 2016	14	14.70	80.23	7.0	33.27	8.1	24.7	3.45
A1	24 Aug 2016	15	14.55	81.55	7.0	33.30	8.1	24.8	3.50

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A1	24 Aug 2016	16	14.55	81.81	7.1	33.30	8.1	24.8	3.57
A1	24 Aug 2016	17	14.50	81.84	7.2	33.30	8.1	24.8	2.64
A1	24 Aug 2016	18	14.48	80.62	7.2	33.30	8.1	24.8	0.00
A1	27 Aug 2016	1	19.68	83.23	7.6	33.41	8.2	23.6	4.96
A1	27 Aug 2016	2	19.03	82.89	7.5	33.33	8.2	23.7	5.12
A1	27 Aug 2016	3	17.26	81.22	7.7	33.20	8.2	24.1	5.31
A1	27 Aug 2016	4	16.33	79.24	7.8	33.29	8.1	24.4	5.22
A1	27 Aug 2016	5	16.17	78.26	7.6	33.31	8.1	24.4	5.10
A1	27 Aug 2016	6	16.08	77.38	7.5	33.30	8.1	24.4	4.94
A1	27 Aug 2016	7	15.98	77.99	7.4	33.29	8.1	24.4	4.80
A1	27 Aug 2016	8	15.86	78.29	7.3	33.28	8.1	24.5	4.66
A1	27 Aug 2016	9	15.70	78.57	7.2	33.27	8.1	24.5	4.47
A1	27 Aug 2016	10	15.58	78.26	7.2	33.27	8.1	24.5	4.22
A1	27 Aug 2016	11	15.42	78.18	7.2	33.28	8.1	24.6	3.89
A1	27 Aug 2016	12	15.37	78.06	7.2	33.28	8.1	24.6	3.15
A1	27 Aug 2016	13	15.26	78.33	7.1	33.27	8.1	24.6	2.44
A1	27 Aug 2016	14	15.11	78.59	6.9	33.27	8.1	24.6	2.22
A1	27 Aug 2016	15	15.07	78.81	6.7	33.28	8.1	24.6	2.46
A1	27 Aug 2016	16	15.02	79.14	6.5	33.28	8.1	24.6	2.85
A1	27 Aug 2016	17	14.96	79.54	6.6	33.27	8.1	24.6	3.04
A1	27 Aug 2016	18	14.87	79.68	6.8	33.26	8.1	24.7	3.50
A1	27 Aug 2016	19	14.57	80.69	7.2	33.24	8.1	24.7	4.10
A1	27 Aug 2016	20	14.32	81.78	7.5	33.27	8.0	24.8	3.31
A1	30 Aug 2016	1	19.91	81.67	7.8	33.44	8.2	23.6	3.92
A1	30 Aug 2016	2	19.91	81.43	7.6	33.43	8.2	23.6	4.81
A1	30 Aug 2016	3	19.62	81.55	7.5	33.33	8.2	23.6	4.52
A1	30 Aug 2016	4	18.64	81.32	7.5	33.22	8.2	23.8	3.61
A1	30 Aug 2016	5	17.70	80.81	7.2	33.29	8.2	24.0	2.35
A1	30 Aug 2016	6	17.18	80.19	6.7	33.28	8.2	24.2	1.51
A1	30 Aug 2016	7	16.90	79.76	6.2	33.32	8.1	24.2	1.05
A1	30 Aug 2016	8	16.75	79.54	5.8	33.23	8.1	24.2	0.95
A1	30 Aug 2016	9	15.83	78.94	5.6	33.22	8.1	24.4	0.89
A1	30 Aug 2016	10	15.48	79.09	5.6	33.20	8.1	24.5	0.83
A1	30 Aug 2016	11	14.85	80.63	5.8	33.19	8.1	24.6	0.83
A1	30 Aug 2016	12	14.41	82.15	6.0	33.18	8.1	24.7	0.83
A1	30 Aug 2016	13	14.03	83.96	6.2	33.23	8.1	24.8	0.85
A1	30 Aug 2016	14	13.78	85.02	6.2	33.20	8.0	24.8	0.85
A1	30 Aug 2016	15	13.56	85.29	6.3	33.24	8.0	24.9	0.87
A1	30 Aug 2016	16	13.54	85.58	6.4	33.24	8.0	24.9	0.90
A1	30 Aug 2016	17	13.43	85.82	6.4	33.23	8.0	24.9	1.15
A1	30 Aug 2016	18	13.38	85.67	6.5	33.26	8.0	25.0	2.02
C4	01 Aug 2016	1	22.50	82.29	8.7	33.57	8.3	23.0	0.62
C4	01 Aug 2016	2	22.48	82.18	8.7	33.57	8.3	23.0	0.64
C4	01 Aug 2016	3	22.48	82.22	8.7	33.57	8.3	23.0	0.68
C4	01 Aug 2016	4	22.48	82.09	8.6	33.57	8.3	23.0	0.88
C4	01 Aug 2016	5	22.44	81.71	8.6	33.57	8.3	23.0	0.95
C4	01 Aug 2016	6	22.27	81.08	8.9	33.57	8.2	23.1	1.06
C4	01 Aug 2016	7	21.47	80.57	9.0	33.55	8.3	23.3	1.08
C4	01 Aug 2016	8	21.12	80.02	9.1	33.54	8.3	23.4	1.08
C4	01 Aug 2016	9	20.96	79.67	8.8	33.54	8.3	23.4	0.97
C4	01 Aug 2016	10	20.47	78.89	8.6	33.51	8.2	23.5	0.95
C4	01 Aug 2016	11	19.36	77.20	9.2	33.48	8.2	23.8	0.98

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C4	11 Aug 2016	1	23.16	75.09	7.3	33.68	8.3	22.9	1.79
	11 Aug 2016	2	23.00	75.06	6.6	33.66	8.3	22.9	1.88
	11 Aug 2016	3	22.69	74.97	6.4	33.64	8.3	23.0	2.80
	11 Aug 2016	4	22.41	74.63	7.0	33.60	8.3	23.0	3.36
	11 Aug 2016	5	21.53	73.13	7.2	33.54	8.2	23.2	3.48
	11 Aug 2016	6	20.82	73.31	6.7	33.52	8.2	23.4	2.90
	11 Aug 2016	7	20.42	73.74	5.9	33.51	8.2	23.5	2.01
	11 Aug 2016	8	19.93	74.18	5.1	33.49	8.2	23.6	1.59
	11 Aug 2016	9	19.44	75.39	5.4	33.46	8.1	23.7	2.11
	11 Aug 2016	10	18.85	71.40	6.5	33.46	8.1	23.9	2.33
C4	24 Aug 2016	1	19.40	81.73	8.0	33.43	8.2	23.7	0.89
	24 Aug 2016	2	19.23	81.52	7.8	33.46	8.2	23.8	0.87
	24 Aug 2016	3	18.22	78.27	7.7	33.46	8.2	24.0	0.90
	24 Aug 2016	4	17.53	78.56	7.6	33.42	8.2	24.2	0.92
	24 Aug 2016	5	17.22	77.66	7.6	33.40	8.1	24.2	1.04
	24 Aug 2016	6	16.74	78.27	7.5	33.41	8.1	24.4	1.42
	24 Aug 2016	7	15.87	79.41	7.1	33.39	8.1	24.5	1.69
	24 Aug 2016	8	15.65	79.86	6.6	33.34	8.1	24.5	1.71
	24 Aug 2016	9	15.23	71.40	6.4	33.32	8.1	24.6	1.39
	27 Aug 2016	1	20.08	79.91	7.8	33.45	8.2	23.6	5.24
C4	27 Aug 2016	2	19.96	79.83	7.5	33.40	8.2	23.5	2.94
	27 Aug 2016	3	19.04	79.82	7.0	33.31	8.2	23.7	1.14
	27 Aug 2016	4	18.41	78.02	6.5	33.35	8.2	23.9	0.84
	27 Aug 2016	5	17.90	77.99	6.0	33.25	8.2	24.0	0.90
	27 Aug 2016	6	16.92	78.36	5.6	33.22	8.2	24.2	0.84
	27 Aug 2016	7	16.25	77.75	5.5	33.28	8.2	24.4	1.26
	27 Aug 2016	8	15.89	78.03	5.7	33.26	8.2	24.4	2.44
	27 Aug 2016	9	15.57	79.23	6.3	33.27	8.1	24.5	3.29
	27 Aug 2016	10	15.27	79.43	7.0	33.25	8.1	24.6	4.22
	27 Aug 2016	11	15.09	69.55	7.7	33.29	8.1	24.6	2.29
	30 Aug 2016	1	19.19	79.52	7.5	33.42	8.2	23.8	3.63
C4	30 Aug 2016	2	19.09	79.77	7.2	33.38	8.2	23.8	3.39
	30 Aug 2016	3	18.57	79.53	7.2	33.37	8.2	23.9	2.28
	30 Aug 2016	4	18.18	78.50	7.0	33.30	8.2	23.9	2.06
	30 Aug 2016	5	17.26	76.23	6.8	33.30	8.2	24.2	2.20
	30 Aug 2016	6	17.08	75.07	6.6	33.35	8.2	24.2	2.62
	30 Aug 2016	7	16.76	75.75	6.6	33.24	8.2	24.2	2.98
	30 Aug 2016	8	16.19	74.13	6.9	33.28	8.1	24.4	3.05
	30 Aug 2016	9	15.87	73.24	7.3	33.32	8.1	24.5	2.88
	30 Aug 2016	10	15.55	67.64	7.5	33.27	8.1	24.5	2.54
	30 Aug 2016	11	15.32	60.36	7.3	33.33	8.1	24.6	2.40
C5	01 Aug 2016	2	22.72	82.55	8.7	33.59	8.3	22.9	0.96
	01 Aug 2016	3	22.57	82.55	8.6	33.59	8.3	23.0	1.47
	01 Aug 2016	4	22.12	81.66	8.7	33.57	8.3	23.1	1.77
	01 Aug 2016	5	21.40	80.48	8.6	33.53	8.3	23.3	2.15
	01 Aug 2016	6	20.58	79.88	8.1	33.54	8.3	23.5	2.20
	01 Aug 2016	7	20.01	79.59	8.0	33.46	8.3	23.6	1.97
	01 Aug 2016	8	18.99	79.35	8.1	33.46	8.2	23.8	1.67
	01 Aug 2016	9	18.53	80.17	8.4	33.46	8.2	24.0	1.64
	01 Aug 2016	10	17.72	81.72	8.7	33.42	8.2	24.1	1.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C5	11 Aug 2016	1	23.03	74.52	7.5	33.67	8.3	22.9	3.02
C5	11 Aug 2016	2	22.86	74.66	7.0	33.63	8.3	22.9	3.74
C5	11 Aug 2016	3	21.72	74.07	6.8	33.55	8.3	23.2	3.69
C5	11 Aug 2016	4	21.14	73.79	6.3	33.55	8.2	23.3	2.89
C5	11 Aug 2016	5	20.61	73.64	5.8	33.51	8.2	23.5	1.72
C5	11 Aug 2016	6	20.20	76.02	5.3	33.51	8.2	23.6	0.99
C5	11 Aug 2016	7	19.88	78.13	5.1	33.48	8.1	23.6	1.01
C5	11 Aug 2016	8	18.88	76.77	5.8	33.43	8.1	23.8	1.66
C5	11 Aug 2016	9	18.40	74.03	6.3	33.46	8.1	24.0	1.59
C5	24 Aug 2016	1	20.09	83.37	8.1	33.45	8.2	23.6	0.78
C5	24 Aug 2016	2	19.54	83.41	8.1	33.47	8.2	23.7	0.77
C5	24 Aug 2016	3	18.95	82.73	8.0	33.45	8.2	23.9	0.77
C5	24 Aug 2016	4	18.36	81.65	7.9	33.45	8.2	24.0	0.85
C5	24 Aug 2016	5	17.57	80.55	7.8	33.44	8.2	24.2	0.95
C5	24 Aug 2016	6	17.05	80.37	7.6	33.40	8.2	24.3	1.27
C5	24 Aug 2016	7	16.64	83.49	7.2	33.38	8.1	24.4	2.23
C5	24 Aug 2016	8	15.69	81.05	6.8	33.36	8.1	24.6	3.40
C5	24 Aug 2016	9	15.87	79.43	6.7	33.28	8.1	24.5	2.36
C5	27 Aug 2016	1	20.27	80.56	7.8	33.44	8.2	23.5	1.08
C5	27 Aug 2016	2	20.23	81.56	7.8	33.46	8.2	23.5	0.87
C5	27 Aug 2016	3	19.83	81.52	7.8	33.47	8.2	23.6	0.84
C5	27 Aug 2016	4	19.15	81.01	8.0	33.47	8.2	23.8	0.85
C5	27 Aug 2016	5	18.36	80.05	7.9	33.46	8.2	24.0	1.16
C5	27 Aug 2016	6	16.90	79.80	7.6	33.46	8.2	24.4	1.83
C5	27 Aug 2016	7	15.90	81.42	7.0	33.37	8.1	24.5	2.86
C5	27 Aug 2016	8	15.59	82.48	6.5	33.31	8.1	24.5	3.36
C5	27 Aug 2016	9	15.30	81.32	6.5	33.30	8.1	24.6	2.33
C5	27 Aug 2016	10	15.18	79.95	6.8	33.28	8.1	24.6	1.64
C5	30 Aug 2016	1	19.56	80.23	7.9	33.40	8.2	23.7	1.24
C5	30 Aug 2016	2	19.57	79.65	6.7	33.42	8.2	23.7	0.81
C5	30 Aug 2016	3	19.35	80.21	5.8	33.47	8.2	23.8	0.78
C5	30 Aug 2016	4	19.10	79.76	5.5	33.48	8.2	23.8	0.79
C5	30 Aug 2016	5	18.67	78.36	5.6	33.47	8.2	23.9	0.80
C5	30 Aug 2016	6	18.00	74.58	6.0	33.43	8.2	24.1	0.84
C5	30 Aug 2016	7	17.20	73.57	6.3	33.37	8.1	24.2	0.89
C5	30 Aug 2016	8	16.36	72.23	6.7	33.35	8.1	24.4	0.86
C5	30 Aug 2016	9	15.64	68.66	6.7	33.35	8.1	24.6	0.57
A6	01 Aug 2016	1	22.13	82.51	8.9	33.58	8.3	23.1	0.82
A6	01 Aug 2016	2	22.04	82.50	8.9	33.57	8.3	23.1	0.94
A6	01 Aug 2016	3	21.73	82.66	8.8	33.56	8.3	23.2	1.04
A6	01 Aug 2016	4	21.58	82.57	8.8	33.55	8.3	23.2	1.14
A6	01 Aug 2016	5	21.37	82.37	8.9	33.53	8.3	23.3	1.29
A6	01 Aug 2016	6	21.11	81.76	8.9	33.53	8.3	23.3	1.36
A6	01 Aug 2016	7	20.95	81.38	8.9	33.52	8.3	23.4	1.43
A6	01 Aug 2016	8	20.77	81.07	8.9	33.50	8.3	23.4	1.52
A6	01 Aug 2016	9	20.61	80.89	9.0	33.51	8.2	23.5	1.60
A6	01 Aug 2016	10	20.51	80.77	9.0	33.50	8.2	23.5	1.69
A6	01 Aug 2016	11	20.27	80.94	8.9	33.50	8.2	23.5	1.74
A6	01 Aug 2016	12	20.16	80.86	8.9	33.50	8.2	23.6	1.82
A6	01 Aug 2016	13	20.00	80.87	8.8	33.50	8.2	23.6	2.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A6	01 Aug 2016	14	19.95	80.98	8.6	33.50	8.2	23.6	2.17
A6	01 Aug 2016	15	19.76	80.92	8.4	33.49	8.2	23.7	2.24
A6	01 Aug 2016	16	19.44	80.99	8.2	33.49	8.2	23.8	2.35
A6	01 Aug 2016	17	18.96	81.00	8.3	33.46	8.2	23.9	2.24
A6	01 Aug 2016	18	18.36	80.99	8.6	33.46	8.2	24.0	2.22
A6	01 Aug 2016	19	17.86	81.32	8.9	33.44	8.2	24.1	2.20
A6	01 Aug 2016	20	17.87	81.45	8.8	33.50	8.2	24.2	2.20
A6	11 Aug 2016	1	23.36	77.07	8.1	33.69	8.3	22.8	2.08
A6	11 Aug 2016	2	23.36	77.12	7.8	33.69	8.3	22.8	2.75
A6	11 Aug 2016	3	23.35	77.50	7.3	33.69	8.3	22.8	3.36
A6	11 Aug 2016	4	23.21	77.17	7.0	33.66	8.3	22.9	3.71
A6	11 Aug 2016	5	22.29	75.91	7.1	33.51	8.3	23.0	4.02
A6	11 Aug 2016	6	20.77	75.34	7.2	33.50	8.3	23.4	4.33
A6	11 Aug 2016	7	20.20	75.33	7.2	33.50	8.2	23.6	4.61
A6	11 Aug 2016	8	19.87	75.68	7.1	33.46	8.2	23.6	4.74
A6	11 Aug 2016	9	19.46	75.99	7.1	33.42	8.2	23.7	4.49
A6	11 Aug 2016	10	18.80	75.62	7.0	33.41	8.2	23.9	3.53
A6	11 Aug 2016	11	18.69	75.92	6.7	33.42	8.2	23.9	2.86
A6	11 Aug 2016	12	18.46	76.37	6.5	33.39	8.2	23.9	2.29
A6	11 Aug 2016	13	18.03	78.25	6.4	33.38	8.1	24.0	1.66
A6	11 Aug 2016	14	17.80	80.77	6.2	33.40	8.1	24.1	1.27
A6	11 Aug 2016	15	17.17	82.49	6.4	33.29	8.1	24.2	1.17
A6	11 Aug 2016	16	16.15	83.94	6.6	33.34	8.1	24.4	1.19
A6	11 Aug 2016	17	16.12	84.46	6.6	33.35	8.1	24.4	1.24
A6	11 Aug 2016	18	16.27	84.32	6.6	33.35	8.1	24.4	1.21
A6	24 Aug 2016	1	20.26	83.64	8.0	33.46	8.2	23.5	3.86
A6	24 Aug 2016	2	20.15	83.58	7.7	33.44	8.2	23.5	4.46
A6	24 Aug 2016	3	19.53	82.81	7.4	33.34	8.2	23.6	4.64
A6	24 Aug 2016	4	18.82	82.57	7.2	33.35	8.2	23.8	4.79
A6	24 Aug 2016	5	18.45	81.97	7.1	33.36	8.2	23.9	4.41
A6	24 Aug 2016	6	17.88	81.11	7.1	33.30	8.2	24.0	4.13
A6	24 Aug 2016	7	17.24	80.07	7.1	33.33	8.2	24.2	4.03
A6	24 Aug 2016	8	16.83	79.68	7.1	33.29	8.2	24.2	4.00
A6	24 Aug 2016	9	16.40	79.68	7.1	33.29	8.1	24.3	4.04
A6	24 Aug 2016	10	16.06	79.45	7.2	33.28	8.1	24.4	3.75
A6	24 Aug 2016	11	15.63	80.21	7.3	33.30	8.1	24.5	3.05
A6	24 Aug 2016	12	15.58	81.11	7.2	33.29	8.1	24.5	3.04
A6	24 Aug 2016	13	15.51	81.31	7.1	33.31	8.1	24.6	3.08
A6	24 Aug 2016	14	15.50	81.31	7.0	33.29	8.1	24.5	3.03
A6	24 Aug 2016	15	15.40	81.27	7.0	33.30	8.1	24.6	3.00
A6	24 Aug 2016	16	15.34	81.33	7.1	33.30	8.1	24.6	0.00
A6	24 Aug 2016	17	15.26	81.87	7.2	33.30	8.1	24.6	0.00
A6	24 Aug 2016	18	15.26	82.44	7.2	33.31	8.1	24.6	0.00
A6	27 Aug 2016	1	20.20	83.73	7.2	33.46	8.2	23.5	7.45
A6	27 Aug 2016	2	20.19	82.61	6.9	33.45	8.2	23.5	4.96
A6	27 Aug 2016	3	19.88	84.05	6.8	33.31	8.2	23.5	3.98
A6	27 Aug 2016	4	18.30	82.78	6.9	33.05	8.2	23.7	3.56
A6	27 Aug 2016	5	16.20	79.71	7.0	33.19	8.2	24.3	2.86
A6	27 Aug 2016	6	15.59	77.55	6.9	33.27	8.1	24.5	2.05
A6	27 Aug 2016	7	15.37	75.87	6.9	33.27	8.1	24.6	1.56
A6	27 Aug 2016	8	15.20	76.19	6.8	33.24	8.1	24.6	1.50
A6	27 Aug 2016	9	14.93	78.10	6.6	33.24	8.1	24.6	1.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A6	27 Aug 2016	10	14.82	80.27	6.4	33.26	8.1	24.7	1.43
A6	27 Aug 2016	11	14.78	81.56	6.3	33.24	8.1	24.7	1.39
A6	27 Aug 2016	12	14.65	82.01	6.5	33.24	8.1	24.7	1.44
A6	27 Aug 2016	13	14.51	82.75	6.6	33.21	8.1	24.7	1.38
A6	27 Aug 2016	14	14.05	84.63	6.7	33.19	8.1	24.8	1.35
A6	27 Aug 2016	15	13.80	85.18	6.8	33.23	8.1	24.9	1.40
A6	27 Aug 2016	16	13.76	86.39	6.8	33.23	8.1	24.9	1.34
A6	27 Aug 2016	17	13.74	86.81	6.8	33.24	8.0	24.9	1.30
A6	27 Aug 2016	18	13.73	86.92	6.8	33.24	8.0	24.9	1.19
A6	27 Aug 2016	19	13.73	87.02	6.8	33.24	8.0	24.9	1.08
A6	27 Aug 2016	20	13.72	87.09	6.7	33.24	8.0	24.9	1.16
A6	27 Aug 2016	21	13.72	87.18	6.6	33.25	8.0	24.9	1.14
A6	30 Aug 2016	1	20.05	80.69	8.1	33.43	8.2	23.6	2.26
A6	30 Aug 2016	2	20.02	82.00	7.8	33.43	8.2	23.6	3.07
A6	30 Aug 2016	3	19.97	82.10	7.6	33.43	8.2	23.6	2.92
A6	30 Aug 2016	4	19.76	82.05	7.3	33.39	8.2	23.6	2.50
A6	30 Aug 2016	5	19.25	82.15	7.1	33.35	8.2	23.7	1.90
A6	30 Aug 2016	6	18.75	81.98	7.0	33.35	8.2	23.8	1.55
A6	30 Aug 2016	7	17.76	81.45	6.9	33.16	8.2	23.9	1.32
A6	30 Aug 2016	8	16.38	81.03	6.7	33.29	8.2	24.3	1.19
A6	30 Aug 2016	9	16.08	81.03	6.5	33.28	8.2	24.4	1.12
A6	30 Aug 2016	10	15.93	81.83	6.3	33.29	8.1	24.4	1.06
A6	30 Aug 2016	11	15.69	82.78	6.2	33.23	8.1	24.5	0.87
A6	30 Aug 2016	12	15.21	83.41	6.1	33.25	8.1	24.6	0.70
A6	30 Aug 2016	13	14.85	84.17	6.1	33.23	8.1	24.6	0.64
A6	30 Aug 2016	14	14.46	85.16	6.0	33.22	8.1	24.7	0.65
A6	30 Aug 2016	15	14.13	85.52	6.0	33.26	8.1	24.8	0.65
A6	30 Aug 2016	16	14.18	85.17	6.0	33.26	8.0	24.8	0.65
A6	30 Aug 2016	17	14.02	85.59	6.2	33.23	8.0	24.8	0.69
A6	30 Aug 2016	18	13.82	85.83	6.3	33.24	8.0	24.9	0.67
A6	30 Aug 2016	19	13.70	85.55	6.4	33.26	8.0	24.9	0.70
A6	30 Aug 2016	20	13.75	85.23	6.4	33.27	8.0	24.9	0.83
C6	01 Aug 2016	1	22.37	83.01	8.9	33.58	8.3	23.0	0.77
C6	01 Aug 2016	2	22.31	82.97	8.9	33.57	8.3	23.0	1.06
C6	01 Aug 2016	3	22.21	82.79	8.9	33.58	8.3	23.1	1.31
C6	01 Aug 2016	4	22.11	82.63	8.8	33.58	8.3	23.1	1.58
C6	01 Aug 2016	5	21.71	82.04	8.6	33.56	8.3	23.2	2.10
C6	01 Aug 2016	6	21.26	81.33	8.3	33.54	8.3	23.3	2.53
C6	01 Aug 2016	7	20.95	81.30	8.3	33.53	8.3	23.4	2.73
C6	01 Aug 2016	8	20.52	80.82	8.8	33.48	8.3	23.5	2.65
C6	01 Aug 2016	9	18.89	80.12	9.3	33.43	8.2	23.9	2.46
C6	01 Aug 2016	10	18.30	79.67	9.3	33.48	8.2	24.0	2.36
C6	11 Aug 2016	1	23.27	74.45	7.9	33.68	8.3	22.9	2.90
C6	11 Aug 2016	2	23.26	74.49	7.7	33.68	8.3	22.9	3.15
C6	11 Aug 2016	3	23.15	72.46	7.4	33.66	8.3	22.9	3.20
C6	11 Aug 2016	4	22.74	71.70	7.1	33.61	8.3	23.0	2.58
C6	11 Aug 2016	5	21.82	73.43	6.5	33.56	8.3	23.2	1.97
C6	11 Aug 2016	6	21.08	73.78	6.1	33.51	8.3	23.3	1.82
C6	11 Aug 2016	7	20.24	74.89	6.3	33.49	8.2	23.5	2.22
C6	11 Aug 2016	8	19.67	78.73	7.1	33.48	8.2	23.7	2.11
C6	11 Aug 2016	9	19.59	78.59	7.0	33.55	8.1	23.8	1.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C6	24 Aug 2016	1	20.39	83.31	7.9	33.45	8.2	23.5	1.98
C6	24 Aug 2016	2	20.15	83.11	7.5	33.43	8.2	23.5	0.87
C6	24 Aug 2016	3	19.83	82.70	7.3	33.37	8.2	23.6	0.67
C6	24 Aug 2016	4	19.02	81.14	7.0	33.34	8.2	23.7	0.69
C6	24 Aug 2016	5	18.13	80.56	6.9	33.25	8.2	23.9	0.81
C6	24 Aug 2016	6	17.21	80.02	7.1	33.26	8.2	24.1	0.77
C6	24 Aug 2016	7	16.33	82.97	7.5	33.28	8.2	24.3	0.71
C6	24 Aug 2016	8	15.71	80.11	7.6	33.28	8.1	24.5	0.74
C6	24 Aug 2016	9	15.66	81.28	7.5	33.31	8.1	24.5	0.00
C6	27 Aug 2016	1	19.94	80.98	7.9	33.44	8.2	23.6	1.02
C6	27 Aug 2016	2	19.84	81.31	7.8	33.45	8.2	23.6	0.99
C6	27 Aug 2016	3	18.54	81.20	7.8	33.49	8.2	24.0	0.99
C6	27 Aug 2016	4	17.29	80.71	7.6	33.44	8.2	24.2	1.05
C6	27 Aug 2016	5	16.47	81.46	7.5	33.37	8.2	24.4	1.46
C6	27 Aug 2016	6	16.22	82.16	7.2	33.34	8.1	24.4	2.37
C6	27 Aug 2016	7	16.04	83.00	7.1	33.33	8.1	24.5	2.86
C6	27 Aug 2016	8	15.92	82.40	7.1	33.36	8.1	24.5	2.70
C6	27 Aug 2016	9	15.88	79.06	7.0	33.35	8.1	24.5	2.40
C6	30 Aug 2016	1	19.82	79.80	8.1	33.40	8.2	23.6	1.45
C6	30 Aug 2016	2	19.76	80.56	7.1	33.44	8.2	23.6	1.45
C6	30 Aug 2016	3	19.62	80.32	6.4	33.44	8.2	23.7	1.43
C6	30 Aug 2016	4	19.26	79.51	5.9	33.49	8.2	23.8	1.33
C6	30 Aug 2016	5	18.92	79.26	5.8	33.50	8.2	23.9	1.31
C6	30 Aug 2016	6	18.09	75.49	5.8	33.45	8.2	24.1	1.19
C6	30 Aug 2016	7	17.18	69.70	6.0	33.45	8.1	24.3	1.19
C6	30 Aug 2016	8	16.64	65.35	6.0	33.36	8.1	24.3	1.06
C6	30 Aug 2016	9	16.12	57.49	6.0	33.41	8.1	24.5	0.96
A7	01 Aug 2016	1	22.36	83.07	8.7	33.59	8.3	23.0	0.94
A7	01 Aug 2016	2	22.15	83.22	8.6	33.57	8.3	23.1	1.12
A7	01 Aug 2016	3	21.81	82.39	8.8	33.58	8.3	23.2	1.20
A7	01 Aug 2016	4	21.45	80.91	8.9	33.54	8.3	23.3	1.28
A7	01 Aug 2016	5	21.27	81.00	8.9	33.55	8.2	23.3	1.30
A7	01 Aug 2016	6	21.27	80.91	8.8	33.55	8.2	23.3	1.42
A7	01 Aug 2016	7	21.27	80.86	8.7	33.55	8.2	23.3	1.60
A7	01 Aug 2016	8	21.20	80.87	8.6	33.53	8.2	23.3	1.73
A7	01 Aug 2016	9	20.82	81.27	8.6	33.51	8.2	23.4	1.84
A7	01 Aug 2016	10	20.18	80.51	8.6	33.50	8.2	23.6	2.04
A7	01 Aug 2016	11	19.91	79.78	8.7	33.49	8.2	23.6	2.17
A7	01 Aug 2016	12	19.31	79.57	8.8	33.45	8.2	23.8	2.25
A7	01 Aug 2016	13	18.81	79.42	8.9	33.46	8.2	23.9	2.27
A7	01 Aug 2016	14	18.67	79.64	8.9	33.45	8.2	23.9	2.29
A7	01 Aug 2016	15	18.63	80.07	8.9	33.45	8.2	23.9	2.32
A7	01 Aug 2016	16	18.61	80.17	8.7	33.45	8.2	23.9	2.26
A7	01 Aug 2016	17	18.61	80.46	8.3	33.46	8.2	23.9	2.21
A7	01 Aug 2016	18	18.57	80.72	8.0	33.45	8.2	23.9	2.23
A7	01 Aug 2016	19	18.00	80.97	8.4	33.43	8.2	24.1	2.26
A7	11 Aug 2016	1	23.18	77.25	8.0	33.69	8.3	22.9	2.35
A7	11 Aug 2016	2	23.16	77.17	7.8	33.68	8.3	22.9	2.73
A7	11 Aug 2016	3	22.86	77.18	7.6	33.64	8.3	22.9	3.13
A7	11 Aug 2016	4	22.24	76.53	7.5	33.60	8.3	23.1	3.60
A7	11 Aug 2016	5	21.62	74.73	7.5	33.57	8.3	23.2	3.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
A7	11 Aug 2016	6	21.14	74.68	7.6	33.52	8.2	23.3	4.15
A7	11 Aug 2016	7	20.33	74.98	7.6	33.48	8.2	23.5	4.65
A7	11 Aug 2016	8	19.90	75.10	7.3	33.46	8.2	23.6	4.71
A7	11 Aug 2016	9	19.54	75.25	7.0	33.44	8.2	23.7	4.24
A7	11 Aug 2016	10	19.09	75.22	6.6	33.43	8.2	23.8	3.62
A7	11 Aug 2016	11	18.73	75.10	6.4	33.41	8.2	23.9	3.33
A7	11 Aug 2016	12	18.38	76.89	6.4	33.40	8.1	24.0	2.88
A7	11 Aug 2016	13	18.05	78.54	6.3	33.40	8.1	24.0	2.15
A7	11 Aug 2016	14	17.59	79.13	6.2	33.36	8.1	24.1	1.50
A7	11 Aug 2016	15	16.79	81.15	6.2	33.36	8.1	24.3	1.20
A7	11 Aug 2016	16	16.48	82.59	6.2	33.35	8.1	24.4	1.05
A7	11 Aug 2016	17	16.17	83.94	6.3	33.34	8.1	24.4	1.01
A7	11 Aug 2016	18	16.04	84.62	6.3	33.35	8.1	24.5	1.02
A7	24 Aug 2016	1	20.10	81.86	7.8	33.45	8.2	23.6	4.24
A7	24 Aug 2016	2	20.10	80.94	7.4	33.45	8.2	23.6	4.69
A7	24 Aug 2016	3	20.05	82.43	7.2	33.43	8.2	23.6	4.70
A7	24 Aug 2016	4	19.88	81.69	7.3	33.44	8.2	23.6	4.51
A7	24 Aug 2016	5	19.30	81.10	7.3	33.22	8.2	23.6	4.47
A7	24 Aug 2016	6	17.58	80.44	7.4	33.30	8.2	24.1	4.12
A7	24 Aug 2016	7	17.16	79.70	7.2	33.35	8.2	24.2	3.31
A7	24 Aug 2016	8	16.85	79.71	7.1	33.28	8.1	24.2	1.98
A7	24 Aug 2016	9	16.75	79.25	6.9	33.33	8.1	24.3	1.45
A7	24 Aug 2016	10	16.10	79.18	6.6	33.22	8.1	24.4	1.39
A7	24 Aug 2016	11	15.89	79.85	6.3	33.32	8.1	24.5	1.27
A7	24 Aug 2016	12	15.66	80.64	6.2	33.28	8.1	24.5	1.24
A7	24 Aug 2016	13	15.46	81.15	6.4	33.25	8.1	24.5	1.28
A7	24 Aug 2016	14	14.98	84.65	6.6	33.23	8.1	24.6	1.28
A7	24 Aug 2016	15	14.66	85.04	6.7	33.28	8.1	24.7	1.31
A7	24 Aug 2016	16	14.62	85.16	6.8	33.28	8.1	24.7	1.26
A7	24 Aug 2016	17	14.57	85.19	6.8	33.28	8.1	24.7	1.33
A7	24 Aug 2016	18	14.56	84.78	6.8	33.29	8.1	24.7	1.47
A7	27 Aug 2016	1	20.02	80.29	7.7	33.41	8.2	23.5	0.34
A7	27 Aug 2016	2	19.88	82.19	7.3	33.55	8.2	23.7	0.34
A7	27 Aug 2016	3	19.02	79.35	7.3	33.97	8.2	24.2	0.44
A7	27 Aug 2016	4	17.86	77.28	7.2	34.34	8.2	24.8	0.59
A7	27 Aug 2016	5	17.07	76.85	7.0	34.43	8.2	25.1	0.79
A7	27 Aug 2016	6	16.19	75.40	6.9	34.61	8.2	25.4	0.91
A7	27 Aug 2016	7	15.66	75.67	7.0	33.90	8.1	25.0	0.87
A7	27 Aug 2016	8	15.23	76.93	7.1	33.75	8.1	25.0	6.26
A7	27 Aug 2016	9	15.13	77.20	7.3	33.52	8.1	24.8	8.66
A7	27 Aug 2016	10	15.04	77.62	7.4	33.48	8.1	24.8	8.24
A7	27 Aug 2016	11	15.02	77.67	7.2	33.49	8.1	24.8	7.77
A7	27 Aug 2016	12	14.98	77.80	7.0	33.46	8.1	24.8	8.39
A7	27 Aug 2016	13	14.90	78.39	6.5	33.42	8.1	24.8	8.15
A7	27 Aug 2016	14	14.84	78.63	6.1	33.38	8.1	24.8	7.46
A7	27 Aug 2016	15	14.74	79.15	5.6	33.34	8.1	24.7	8.14
A7	27 Aug 2016	16	14.62	80.11	5.5	33.32	8.1	24.8	7.17
A7	27 Aug 2016	17	14.59	79.53	5.8	33.35	8.1	24.8	6.58
A7	30 Aug 2016	1	19.81	80.41	7.5	33.44	8.2	23.6	3.64
A7	30 Aug 2016	2	19.81	80.32	6.8	33.44	8.2	23.6	2.46
A7	30 Aug 2016	3	19.76	81.14	6.5	33.41	8.2	23.6	1.84
A7	30 Aug 2016	4	19.47	81.16	6.6	33.29	8.2	23.6	1.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
A7	30 Aug 2016	5	18.69	80.81	6.5	33.21	8.2	23.7	1.62
A7	30 Aug 2016	6	17.35	80.62	6.5	33.04	8.2	23.9	1.38
A7	30 Aug 2016	7	15.97	79.10	6.5	33.20	8.2	24.4	1.12
A7	30 Aug 2016	8	15.46	79.46	6.4	33.27	8.1	24.5	0.88
A7	30 Aug 2016	9	15.37	80.67	6.3	33.26	8.1	24.6	0.77
A7	30 Aug 2016	10	15.23	80.99	6.2	33.24	8.1	24.6	0.83
A7	30 Aug 2016	11	15.03	81.76	6.1	33.24	8.1	24.6	1.00
A7	30 Aug 2016	12	14.88	82.96	6.1	33.26	8.1	24.7	0.95
A7	30 Aug 2016	13	14.81	83.68	6.0	33.26	8.1	24.7	0.90
A7	30 Aug 2016	14	14.69	83.95	6.1	33.23	8.1	24.7	1.05
A7	30 Aug 2016	15	14.39	84.50	6.4	33.22	8.1	24.7	1.21
A7	30 Aug 2016	16	14.14	84.83	6.7	33.23	8.0	24.8	1.49
A7	30 Aug 2016	17	13.85	83.68	7.0	33.25	8.0	24.9	1.04
C7	01 Aug 2016	1	23.70	78.98	8.4	33.68	8.3	22.7	1.12
C7	01 Aug 2016	2	23.52	78.90	8.6	33.66	8.3	22.8	1.14
C7	01 Aug 2016	3	22.53	79.10	8.9	33.59	8.3	23.0	1.22
C7	01 Aug 2016	4	21.67	81.03	9.0	33.56	8.3	23.2	1.43
C7	01 Aug 2016	5	21.06	81.88	8.9	33.53	8.3	23.4	1.66
C7	01 Aug 2016	6	20.80	81.67	8.9	33.52	8.3	23.4	1.82
C7	01 Aug 2016	7	20.27	81.27	9.0	33.48	8.3	23.5	1.89
C7	01 Aug 2016	8	19.47	80.93	9.0	33.47	8.3	23.7	2.03
C7	01 Aug 2016	9	19.22	80.67	9.0	33.45	8.3	23.8	2.07
C7	01 Aug 2016	10	18.67	80.65	9.1	33.45	8.2	23.9	2.17
C7	01 Aug 2016	11	18.63	80.47	9.0	33.44	8.2	23.9	2.31
C7	01 Aug 2016	12	18.59	80.73	8.7	33.44	8.2	23.9	2.53
C7	01 Aug 2016	13	18.51	80.73	8.1	33.44	8.2	24.0	3.04
C7	01 Aug 2016	14	18.15	80.75	7.6	33.42	8.2	24.0	3.31
C7	01 Aug 2016	15	17.37	80.56	7.5	33.39	8.2	24.2	3.51
C7	01 Aug 2016	16	16.67	80.15	7.6	33.39	8.2	24.4	3.29
C7	01 Aug 2016	17	16.21	80.01	7.6	33.39	8.2	24.5	3.09
C7	01 Aug 2016	18	15.76	80.77	7.8	33.37	8.1	24.5	3.11
C7	11 Aug 2016	1	23.43	76.05	8.2	33.68	8.3	22.8	2.02
C7	11 Aug 2016	2	23.43	76.20	8.1	33.68	8.3	22.8	2.36
C7	11 Aug 2016	3	23.40	76.09	8.1	33.68	8.3	22.8	2.61
C7	11 Aug 2016	4	23.35	75.90	8.0	33.67	8.3	22.8	2.73
C7	11 Aug 2016	5	23.26	75.54	8.0	33.66	8.3	22.8	2.72
C7	11 Aug 2016	6	22.91	75.56	8.1	33.64	8.3	22.9	2.80
C7	11 Aug 2016	7	22.71	75.90	7.9	33.64	8.3	23.0	3.03
C7	11 Aug 2016	8	22.80	76.05	7.5	33.63	8.3	22.9	3.36
C7	11 Aug 2016	9	22.27	76.06	7.2	33.58	8.3	23.1	3.63
C7	11 Aug 2016	10	21.31	76.14	7.1	33.53	8.3	23.3	4.17
C7	11 Aug 2016	11	20.79	76.24	6.6	33.52	8.2	23.4	5.57
C7	11 Aug 2016	12	19.99	75.96	6.2	33.45	8.2	23.6	6.11
C7	11 Aug 2016	13	18.97	75.75	6.0	33.42	8.2	23.8	4.74
C7	11 Aug 2016	14	18.10	76.02	5.8	33.40	8.2	24.0	4.24
C7	11 Aug 2016	15	17.69	76.38	5.7	33.43	8.1	24.1	3.40
C7	11 Aug 2016	16	17.28	78.55	6.1	33.78	8.1	24.5	1.79
C7	11 Aug 2016	17	16.60	81.34	6.4	33.79	8.1	24.7	1.59
C7	11 Aug 2016	18	16.58	81.05	6.4	33.37	8.1	24.4	1.34
C7	24 Aug 2016	1	19.78	83.72	8.2	33.45	8.2	23.6	2.33
C7	24 Aug 2016	2	19.69	83.38	8.1	33.42	8.2	23.6	3.17
C7	24 Aug 2016	3	19.45	83.38	8.0	33.42	8.2	23.7	4.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C7	24 Aug 2016	4	19.21	83.53	7.9	33.37	8.2	23.7	4.64
C7	24 Aug 2016	5	18.66	83.43	7.7	33.33	8.2	23.8	3.97
C7	24 Aug 2016	6	18.31	83.07	7.4	33.38	8.2	24.0	2.97
C7	24 Aug 2016	7	18.22	82.50	7.2	33.38	8.2	24.0	2.05
C7	24 Aug 2016	8	18.09	82.05	6.9	33.34	8.2	24.0	1.55
C7	24 Aug 2016	9	17.64	81.43	6.6	33.28	8.2	24.0	1.23
C7	24 Aug 2016	10	17.03	80.24	6.3	33.30	8.2	24.2	1.17
C7	24 Aug 2016	11	16.69	80.21	6.1	33.31	8.2	24.3	1.24
C7	24 Aug 2016	12	16.39	79.53	6.1	33.30	8.2	24.3	1.34
C7	24 Aug 2016	13	16.03	78.89	6.3	33.25	8.1	24.4	1.48
C7	24 Aug 2016	14	15.40	79.10	6.6	33.23	8.1	24.5	1.54
C7	24 Aug 2016	15	14.84	81.76	6.9	33.26	8.1	24.7	0.80
C7	24 Aug 2016	16	14.62	82.72	7.1	33.28	8.1	24.7	0.00
C7	24 Aug 2016	17	14.62	82.82	7.3	33.30	8.1	24.7	0.00
C7	27 Aug 2016	1	20.01	79.85	7.6	33.46	8.2	23.6	3.42
C7	27 Aug 2016	2	20.00	80.57	7.7	33.45	8.2	23.6	4.02
C7	27 Aug 2016	3	19.51	80.92	7.5	33.27	8.2	23.6	2.56
C7	27 Aug 2016	4	18.50	82.26	7.2	33.33	8.2	23.9	1.87
C7	27 Aug 2016	5	18.01	82.33	6.8	33.29	8.2	24.0	1.67
C7	27 Aug 2016	6	17.36	82.70	6.4	33.25	8.2	24.1	1.72
C7	27 Aug 2016	7	16.77	82.27	6.1	33.26	8.2	24.2	1.76
C7	27 Aug 2016	8	16.22	81.38	6.0	33.22	8.2	24.3	1.64
C7	27 Aug 2016	9	15.68	80.70	6.2	33.25	8.2	24.5	1.55
C7	27 Aug 2016	10	15.35	80.10	6.4	33.23	8.1	24.5	1.29
C7	27 Aug 2016	11	14.98	81.71	6.5	33.23	8.1	24.6	1.14
C7	27 Aug 2016	12	14.66	83.92	6.5	33.24	8.1	24.7	1.42
C7	27 Aug 2016	13	14.47	84.85	6.4	33.26	8.1	24.7	1.53
C7	27 Aug 2016	14	14.34	85.39	6.5	33.24	8.1	24.8	1.44
C7	27 Aug 2016	15	14.12	85.77	6.6	33.23	8.1	24.8	1.34
C7	27 Aug 2016	16	13.90	86.17	6.7	33.21	8.1	24.8	1.21
C7	27 Aug 2016	17	13.71	86.60	6.7	33.24	8.1	24.9	1.30
C7	27 Aug 2016	18	13.78	86.85	6.6	33.27	8.0	24.9	1.54
C7	30 Aug 2016	1	19.07	80.84	7.9	33.39	8.2	23.8	2.23
C7	30 Aug 2016	2	18.93	80.32	8.7	33.34	8.2	23.8	2.82
C7	30 Aug 2016	3	18.04	77.30	8.8	33.32	8.2	24.0	3.60
C7	30 Aug 2016	4	17.50	75.92	8.5	33.30	8.2	24.1	4.11
C7	30 Aug 2016	5	16.91	80.80	8.2	33.30	8.2	24.2	3.79
C7	30 Aug 2016	6	16.78	81.58	7.7	33.31	8.2	24.3	2.45
C7	30 Aug 2016	7	16.47	81.75	7.0	33.26	8.2	24.3	1.34
C7	30 Aug 2016	8	16.16	81.84	6.3	33.26	8.2	24.4	1.07
C7	30 Aug 2016	9	15.78	81.76	5.8	33.22	8.2	24.4	0.93
C7	30 Aug 2016	10	15.38	81.28	5.5	33.25	8.2	24.5	0.83
C7	30 Aug 2016	11	15.13	80.81	5.5	33.23	8.2	24.6	0.78
C7	30 Aug 2016	12	14.69	82.50	5.7	33.25	8.1	24.7	0.76
C7	30 Aug 2016	13	14.39	84.14	5.8	33.23	8.1	24.7	0.76
C7	30 Aug 2016	14	14.10	83.28	5.9	33.27	8.1	24.8	0.76
C7	30 Aug 2016	15	14.00	84.11	6.1	33.24	8.0	24.8	0.76
C7	30 Aug 2016	16	13.67	84.78	6.3	33.26	8.0	24.9	0.81
C7	30 Aug 2016	17	13.51	84.08	6.4	33.27	8.0	24.9	0.94
C7	30 Aug 2016	18	13.47	80.45	6.5	33.29	8.0	25.0	0.96
C8	01 Aug 2016	1	23.57	79.27	8.9	33.67	8.3	22.8	1.14
C8	01 Aug 2016	2	22.85	79.96	8.9	33.59	8.3	22.9	1.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
C8	01 Aug 2016	3	21.73	80.86	9.0	33.55	8.3	23.2	1.47
C8	01 Aug 2016	4	20.96	80.85	9.2	33.52	8.3	23.4	1.63
C8	01 Aug 2016	5	20.49	80.88	9.3	33.51	8.3	23.5	1.64
C8	01 Aug 2016	6	20.21	80.70	9.3	33.50	8.3	23.6	1.73
C8	01 Aug 2016	7	20.09	80.78	9.3	33.50	8.3	23.6	1.79
C8	01 Aug 2016	8	20.04	80.87	9.2	33.49	8.3	23.6	1.84
C8	01 Aug 2016	9	19.88	81.15	9.2	33.48	8.3	23.6	1.97
C8	01 Aug 2016	10	19.66	81.13	9.0	33.48	8.3	23.7	2.16
C8	01 Aug 2016	11	19.55	81.03	8.8	33.48	8.3	23.7	2.34
C8	01 Aug 2016	12	19.34	80.96	8.6	33.47	8.3	23.8	2.55
C8	01 Aug 2016	13	19.00	80.71	8.1	33.46	8.2	23.8	3.13
C8	01 Aug 2016	14	18.66	80.69	7.7	33.44	8.2	23.9	3.18
C8	01 Aug 2016	15	17.70	80.39	7.6	33.38	8.2	24.1	3.17
C8	01 Aug 2016	16	16.48	80.06	7.7	33.38	8.2	24.4	3.08
C8	01 Aug 2016	17	16.14	80.66	7.7	33.38	8.2	24.5	3.13
C8	01 Aug 2016	18	15.90	81.11	7.9	33.37	8.1	24.5	3.14
C8	01 Aug 2016	19	15.78	81.05	8.2	33.38	8.1	24.5	3.00
C8	11 Aug 2016	1	23.43	76.34	8.0	33.68	8.3	22.8	1.93
C8	11 Aug 2016	2	23.41	76.22	8.0	33.68	8.3	22.8	2.02
C8	11 Aug 2016	3	23.38	76.33	8.0	33.68	8.3	22.8	2.24
C8	11 Aug 2016	4	23.39	76.31	8.0	33.67	8.3	22.8	2.48
C8	11 Aug 2016	5	23.36	76.18	7.7	33.67	8.3	22.8	2.75
C8	11 Aug 2016	6	23.28	76.30	7.2	33.66	8.3	22.8	3.21
C8	11 Aug 2016	7	22.91	76.43	6.9	33.59	8.3	22.9	3.52
C8	11 Aug 2016	8	21.05	77.31	7.0	33.46	8.3	23.3	3.75
C8	11 Aug 2016	9	19.71	78.35	7.1	33.47	8.2	23.7	4.07
C8	11 Aug 2016	10	19.39	78.20	6.7	33.46	8.2	23.7	4.10
C8	11 Aug 2016	11	19.25	77.95	6.5	33.43	8.2	23.8	3.84
C8	11 Aug 2016	12	18.72	77.35	6.4	33.41	8.2	23.9	3.04
C8	11 Aug 2016	13	18.39	77.60	6.3	33.41	8.2	24.0	2.28
C8	11 Aug 2016	14	17.96	78.46	6.0	33.39	8.1	24.1	1.12
C8	11 Aug 2016	15	17.66	80.03	5.6	33.39	8.1	24.1	0.69
C8	11 Aug 2016	16	17.47	83.11	5.6	33.35	8.1	24.1	0.58
C8	11 Aug 2016	17	16.23	83.78	6.0	33.29	8.1	24.4	0.68
C8	11 Aug 2016	18	15.64	82.71	6.2	33.34	8.1	24.6	0.84
C8	24 Aug 2016	1	20.02	84.33	8.1	33.43	8.2	23.6	1.68
C8	24 Aug 2016	2	19.82	83.92	8.1	33.42	8.2	23.6	2.33
C8	24 Aug 2016	3	19.56	83.88	8.2	33.41	8.2	23.7	2.87
C8	24 Aug 2016	4	19.37	84.30	8.0	33.38	8.2	23.7	3.05
C8	24 Aug 2016	5	18.36	84.82	7.9	33.21	8.2	23.8	3.35
C8	24 Aug 2016	6	17.59	84.30	7.8	33.37	8.2	24.1	3.55
C8	24 Aug 2016	7	17.75	83.32	7.8	33.30	8.2	24.0	3.84
C8	24 Aug 2016	8	17.34	82.73	7.9	33.33	8.2	24.1	4.12
C8	24 Aug 2016	9	17.06	81.73	7.8	33.31	8.2	24.2	4.14
C8	24 Aug 2016	10	16.90	80.87	7.7	33.35	8.2	24.3	2.77
C8	24 Aug 2016	11	16.85	80.71	7.4	33.31	8.2	24.2	1.72
C8	24 Aug 2016	12	16.68	80.29	7.0	33.34	8.2	24.3	1.66
C8	24 Aug 2016	13	16.67	79.83	6.5	33.31	8.2	24.3	1.74
C8	24 Aug 2016	14	16.35	79.66	6.3	33.28	8.2	24.3	1.51
C8	24 Aug 2016	15	16.10	80.06	6.6	33.31	8.1	24.4	1.57
C8	24 Aug 2016	16	15.47	82.45	7.0	33.20	8.1	24.5	1.54
C8	24 Aug 2016	17	14.92	84.48	7.0	33.31	8.1	24.7	1.50
C8	24 Aug 2016	18	15.06	84.65	7.0	33.31	8.1	24.7	1.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g}/\text{L}$)
C8	27 Aug 2016	1	20.12	85.85	8.2	33.43	8.2	23.5	1.76
C8	27 Aug 2016	2	20.16	85.76	7.8	33.41	8.2	23.5	2.27
C8	27 Aug 2016	3	19.43	85.86	7.5	33.39	8.2	23.7	2.42
C8	27 Aug 2016	4	18.99	85.75	7.3	33.39	8.2	23.8	2.49
C8	27 Aug 2016	5	18.83	85.25	7.3	33.38	8.2	23.8	2.55
C8	27 Aug 2016	6	18.66	85.00	7.3	33.34	8.2	23.8	2.38
C8	27 Aug 2016	7	18.08	84.25	7.3	33.25	8.2	23.9	2.34
C8	27 Aug 2016	8	17.04	83.10	7.4	33.29	8.2	24.2	2.14
C8	27 Aug 2016	9	16.71	82.63	7.3	33.32	8.2	24.3	1.64
C8	27 Aug 2016	10	16.52	81.85	7.1	33.27	8.2	24.3	1.41
C8	27 Aug 2016	11	16.13	82.26	6.8	33.24	8.2	24.4	1.28
C8	27 Aug 2016	12	15.57	82.68	6.6	33.24	8.2	24.5	1.20
C8	27 Aug 2016	13	15.38	82.90	6.3	33.27	8.1	24.6	1.15
C8	27 Aug 2016	14	15.16	82.59	6.1	33.25	8.1	24.6	1.17
C8	27 Aug 2016	15	15.06	82.84	6.2	33.27	8.1	24.6	1.20
C8	27 Aug 2016	16	14.95	82.71	6.4	33.22	8.1	24.6	1.18
C8	27 Aug 2016	17	14.48	83.47	6.6	33.25	8.1	24.7	1.17
C8	27 Aug 2016	18	14.29	84.69	6.7	33.27	8.1	24.8	1.14
C8	27 Aug 2016	19	14.30	84.12	6.7	33.28	8.1	24.8	1.19
C8	30 Aug 2016	1	19.66	80.98	8.6	33.42	8.2	23.6	1.12
C8	30 Aug 2016	2	19.69	81.27	7.9	33.42	8.2	23.6	1.17
C8	30 Aug 2016	3	19.67	81.28	7.9	33.43	8.2	23.6	1.19
C8	30 Aug 2016	4	19.63	81.25	8.2	33.43	8.2	23.7	1.31
C8	30 Aug 2016	5	19.63	81.26	8.2	33.43	8.2	23.7	1.78
C8	30 Aug 2016	6	19.63	81.25	8.0	33.43	8.2	23.7	2.16
C8	30 Aug 2016	7	19.64	81.21	7.8	33.43	8.2	23.7	2.48
C8	30 Aug 2016	8	19.52	81.09	7.8	33.42	8.2	23.7	3.03
C8	30 Aug 2016	9	19.44	80.88	7.8	33.38	8.2	23.7	3.57
C8	30 Aug 2016	10	18.59	79.67	7.9	33.34	8.2	23.9	3.84
C8	30 Aug 2016	11	17.72	79.92	7.5	33.35	8.2	24.1	2.22
C8	30 Aug 2016	12	16.72	81.16	6.8	33.28	8.2	24.3	1.41
C8	30 Aug 2016	13	15.81	81.05	6.0	33.24	8.2	24.4	1.05
C8	30 Aug 2016	14	15.44	81.49	5.4	33.29	8.2	24.6	0.95
C8	30 Aug 2016	15	15.00	80.64	5.5	33.23	8.1	24.6	0.95
C8	30 Aug 2016	16	14.43	83.30	5.7	33.22	8.1	24.7	1.01
C8	30 Aug 2016	17	13.96	84.50	6.0	33.27	8.1	24.9	1.03
C8	30 Aug 2016	18	13.63	85.26	6.6	33.24	8.0	24.9	1.88

NA = not available

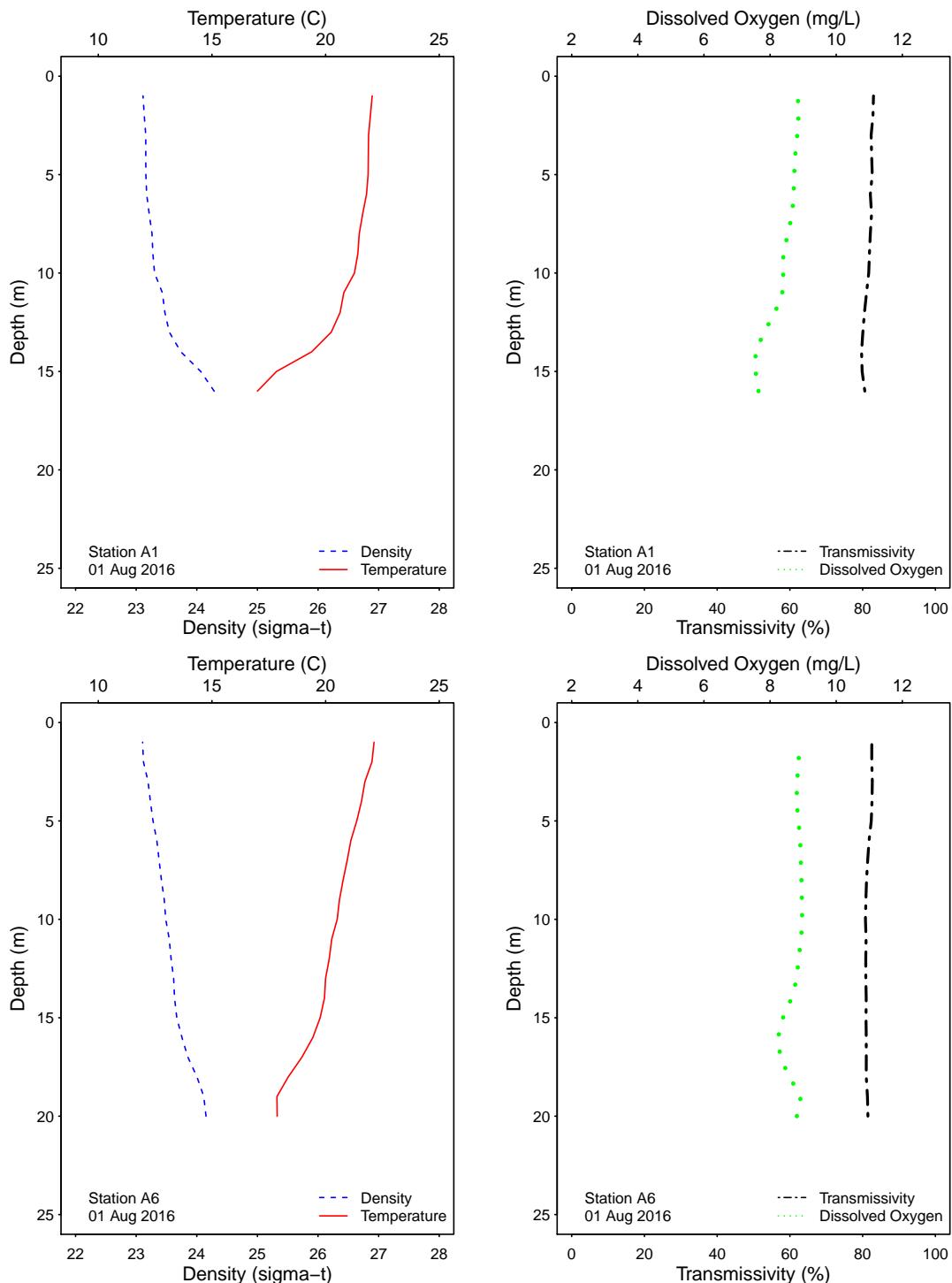


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

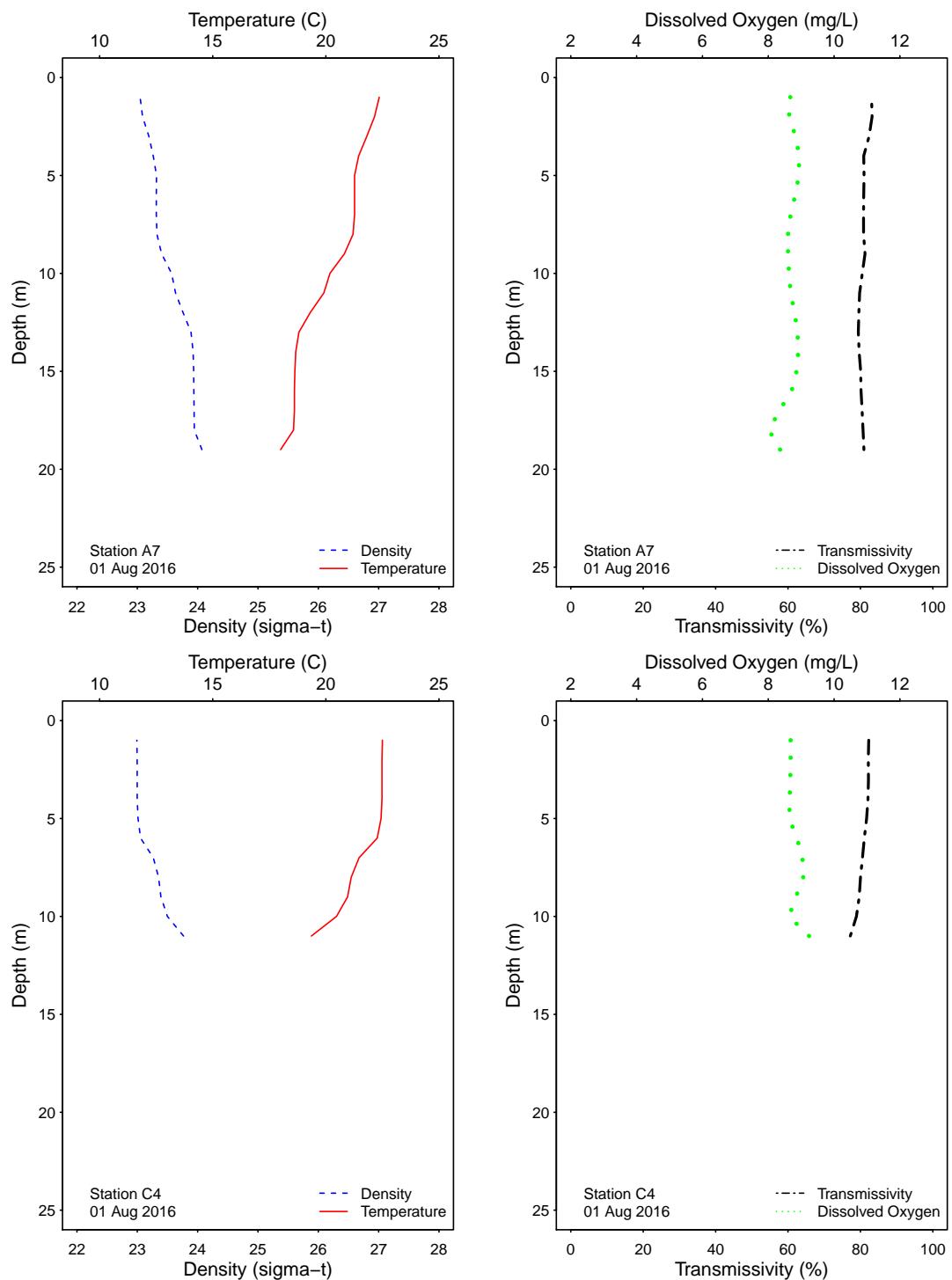


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

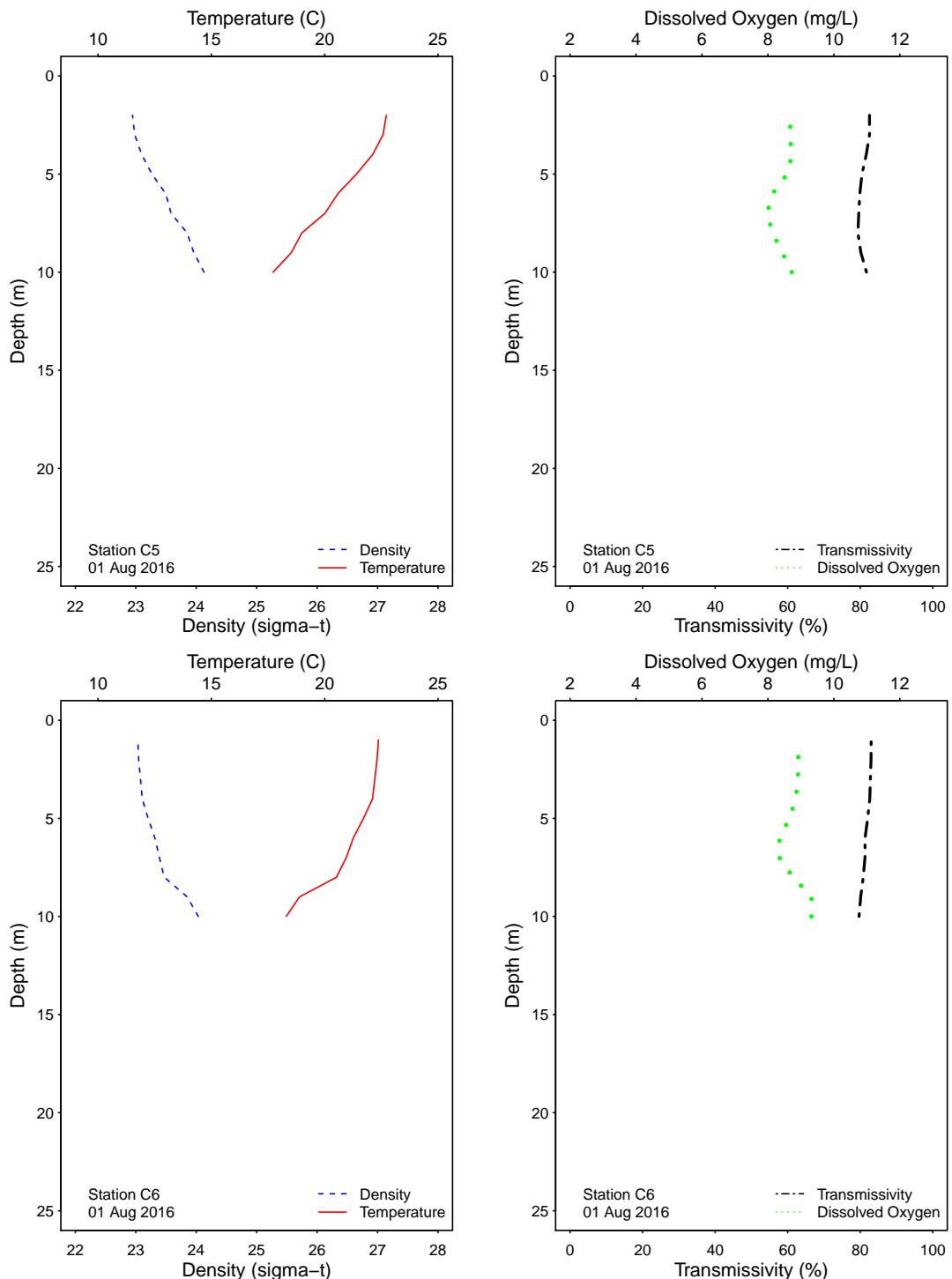


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

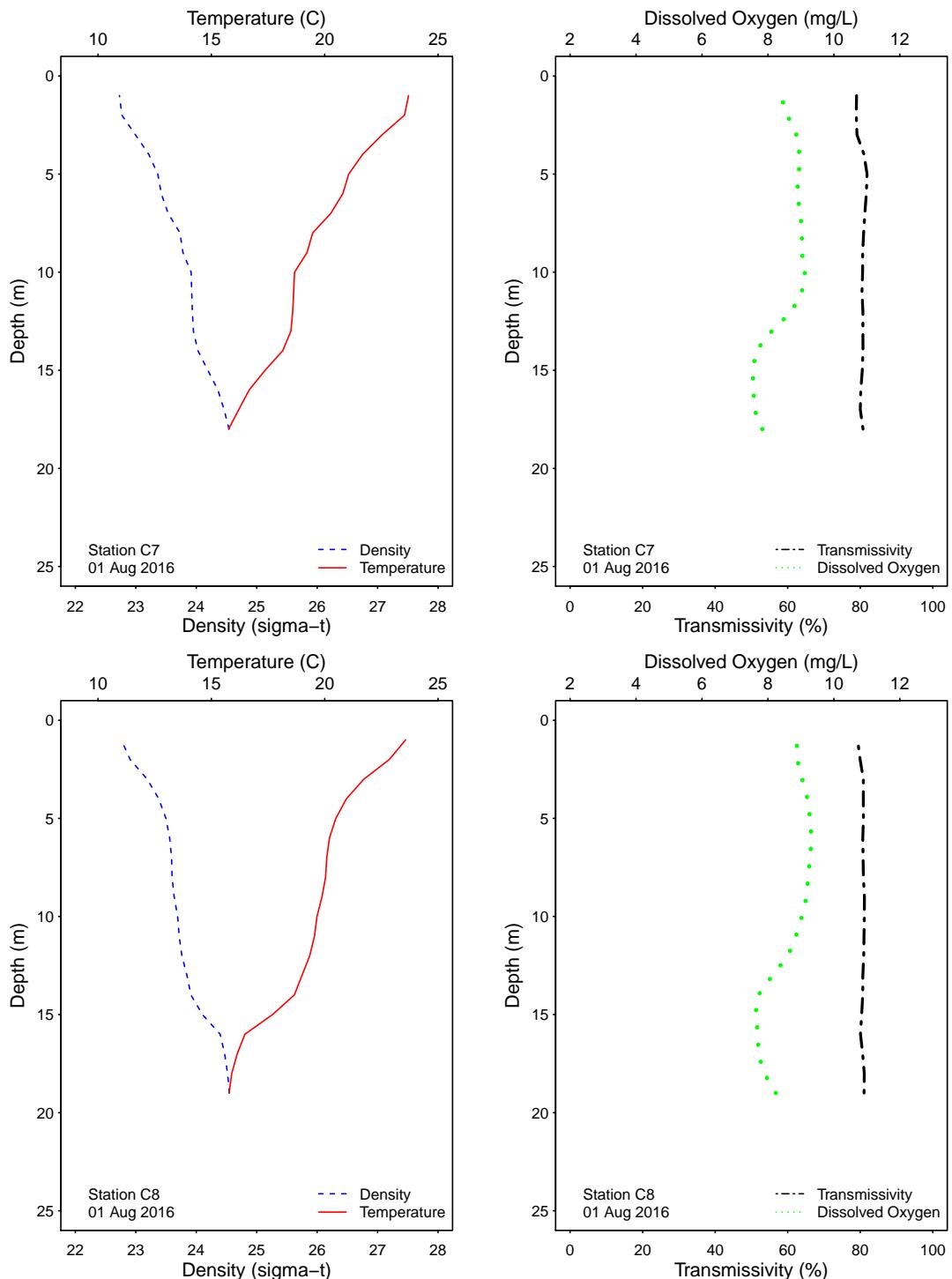


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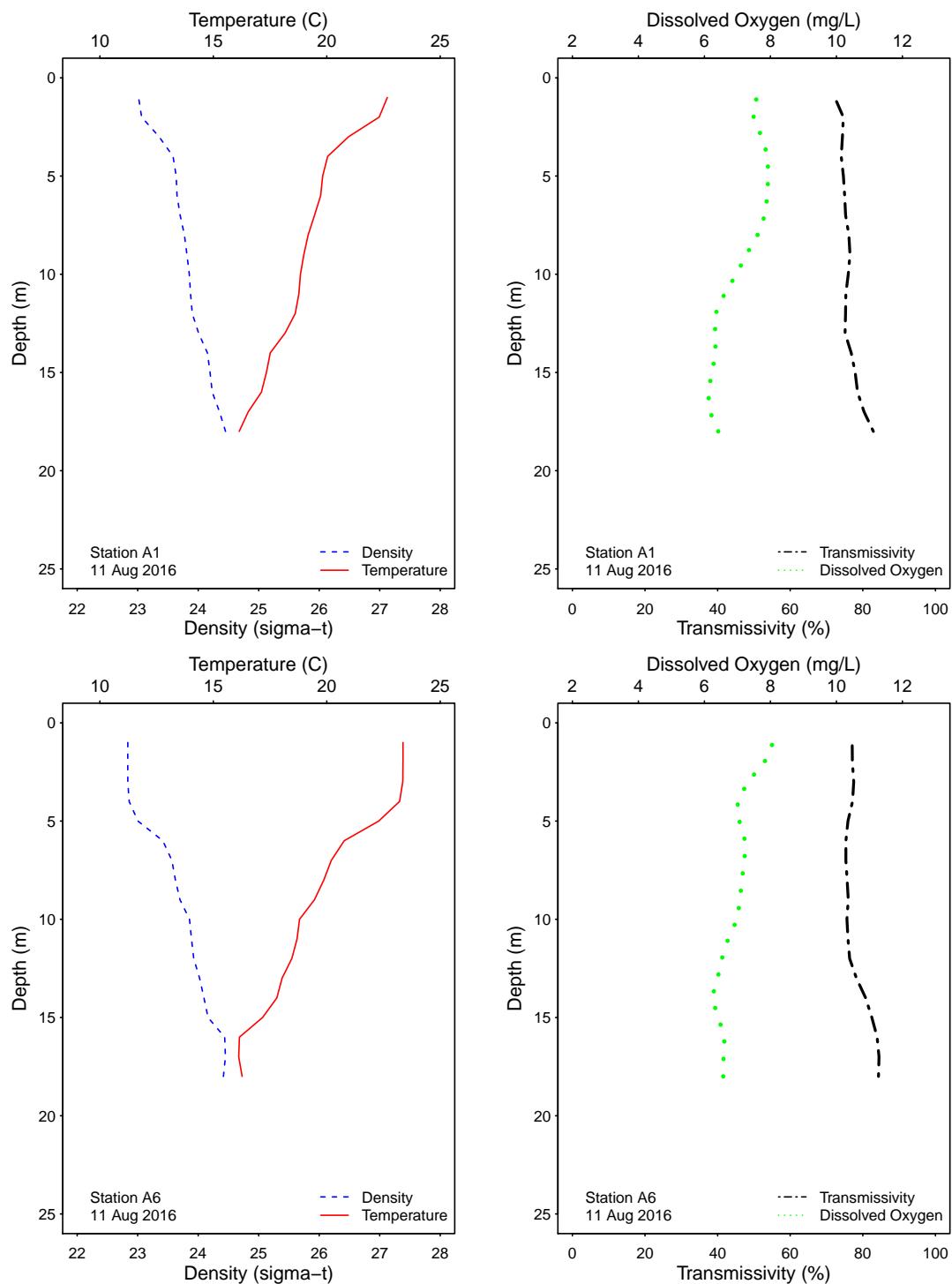


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

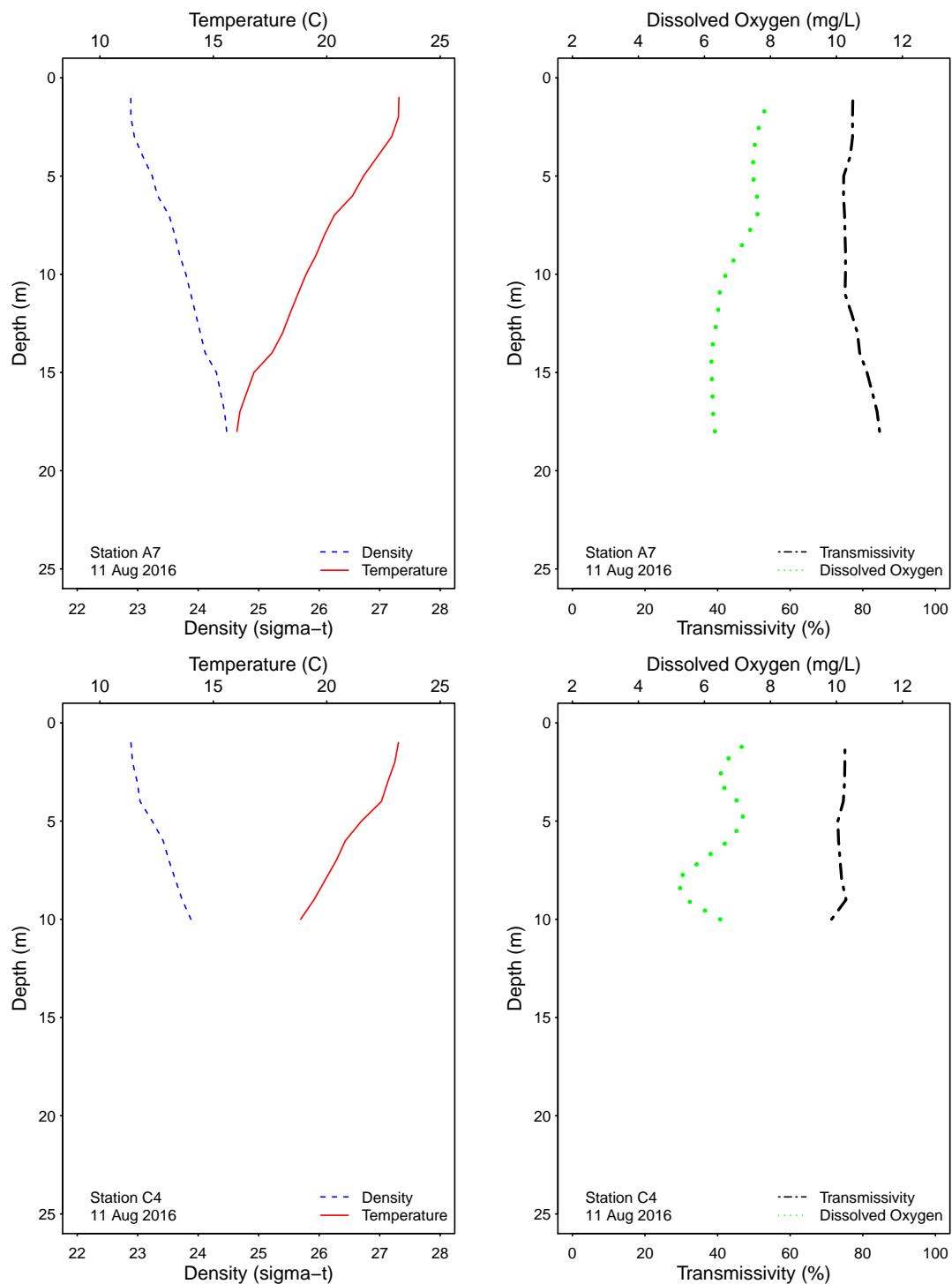


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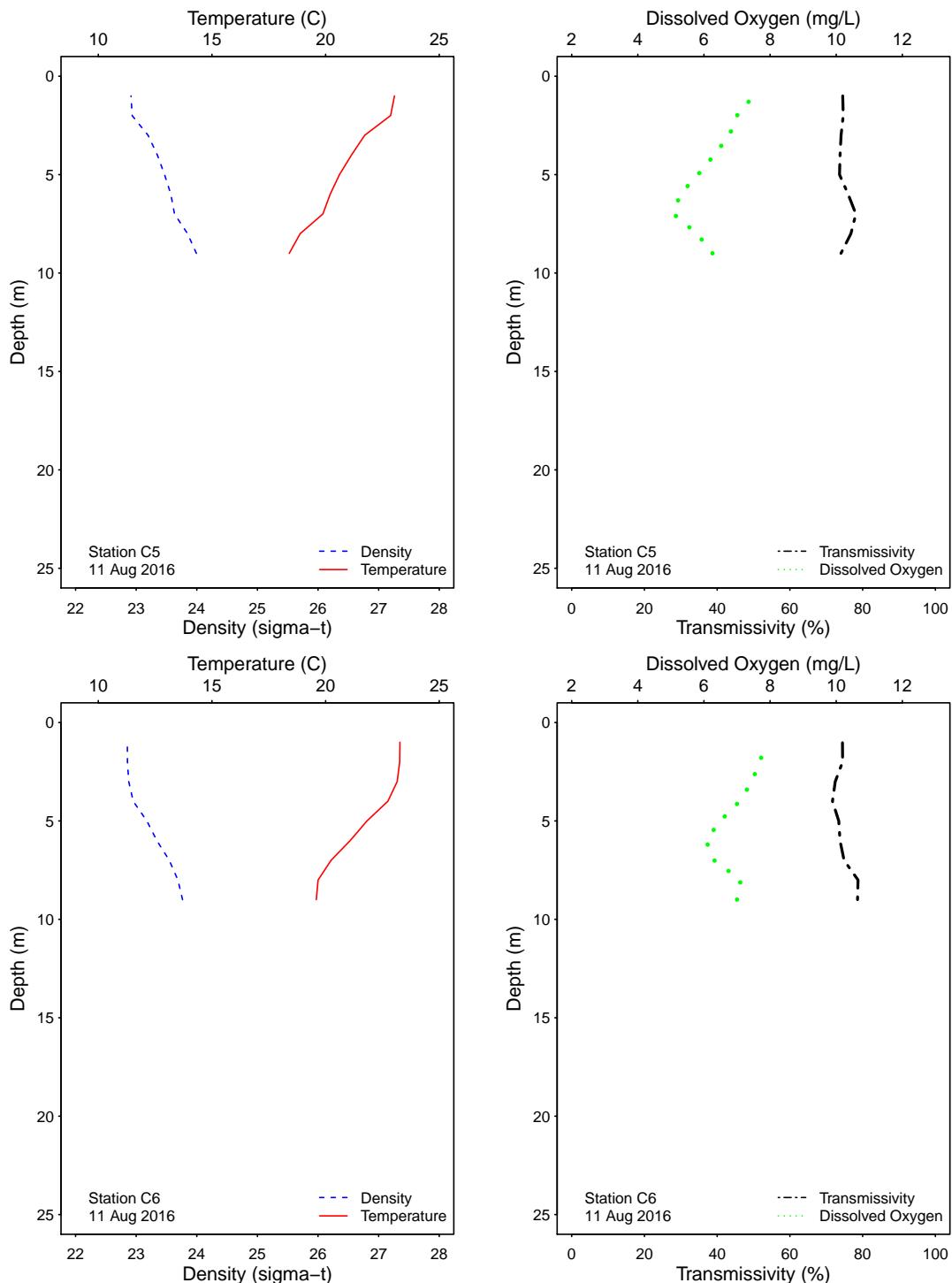


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

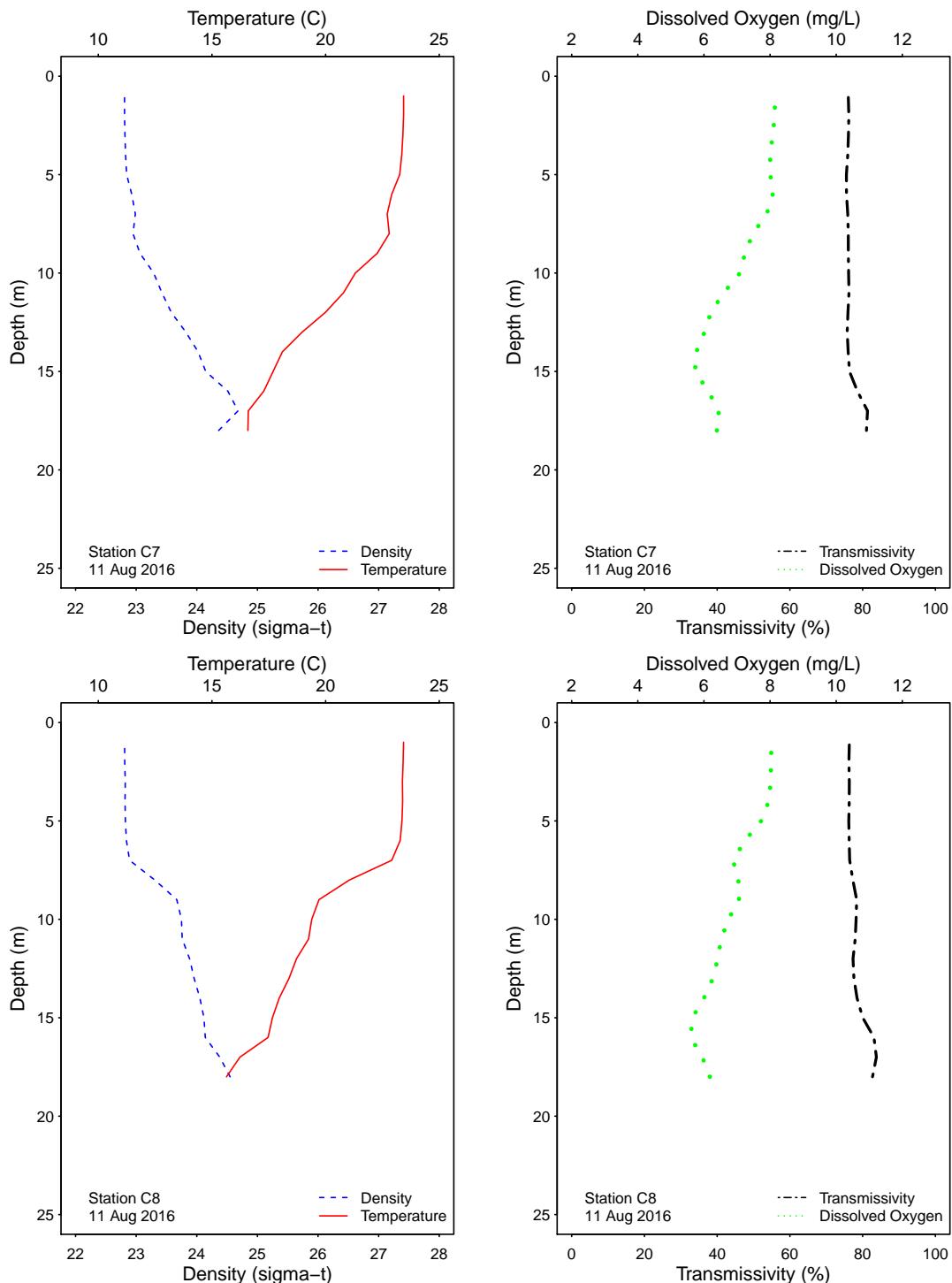


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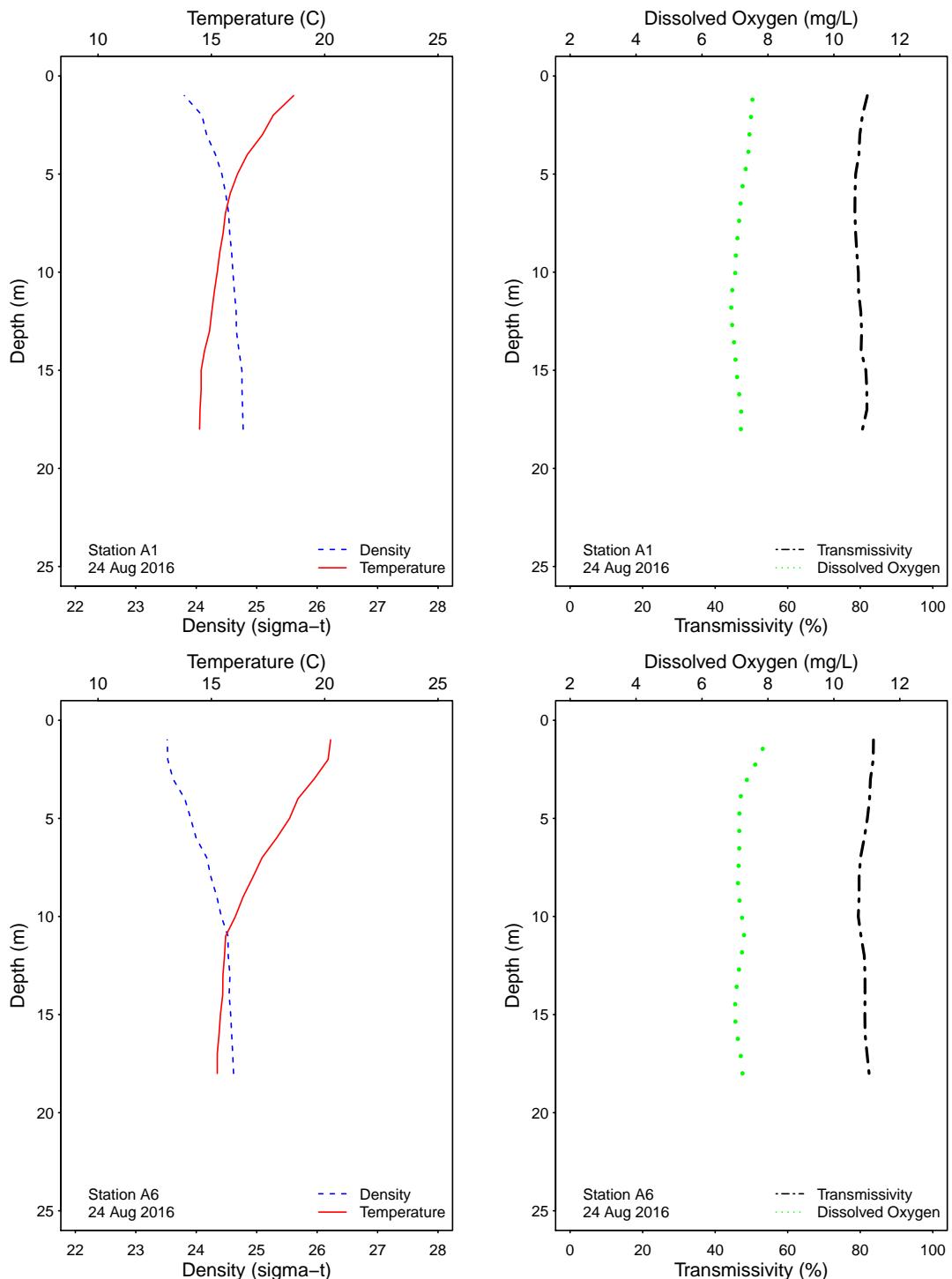


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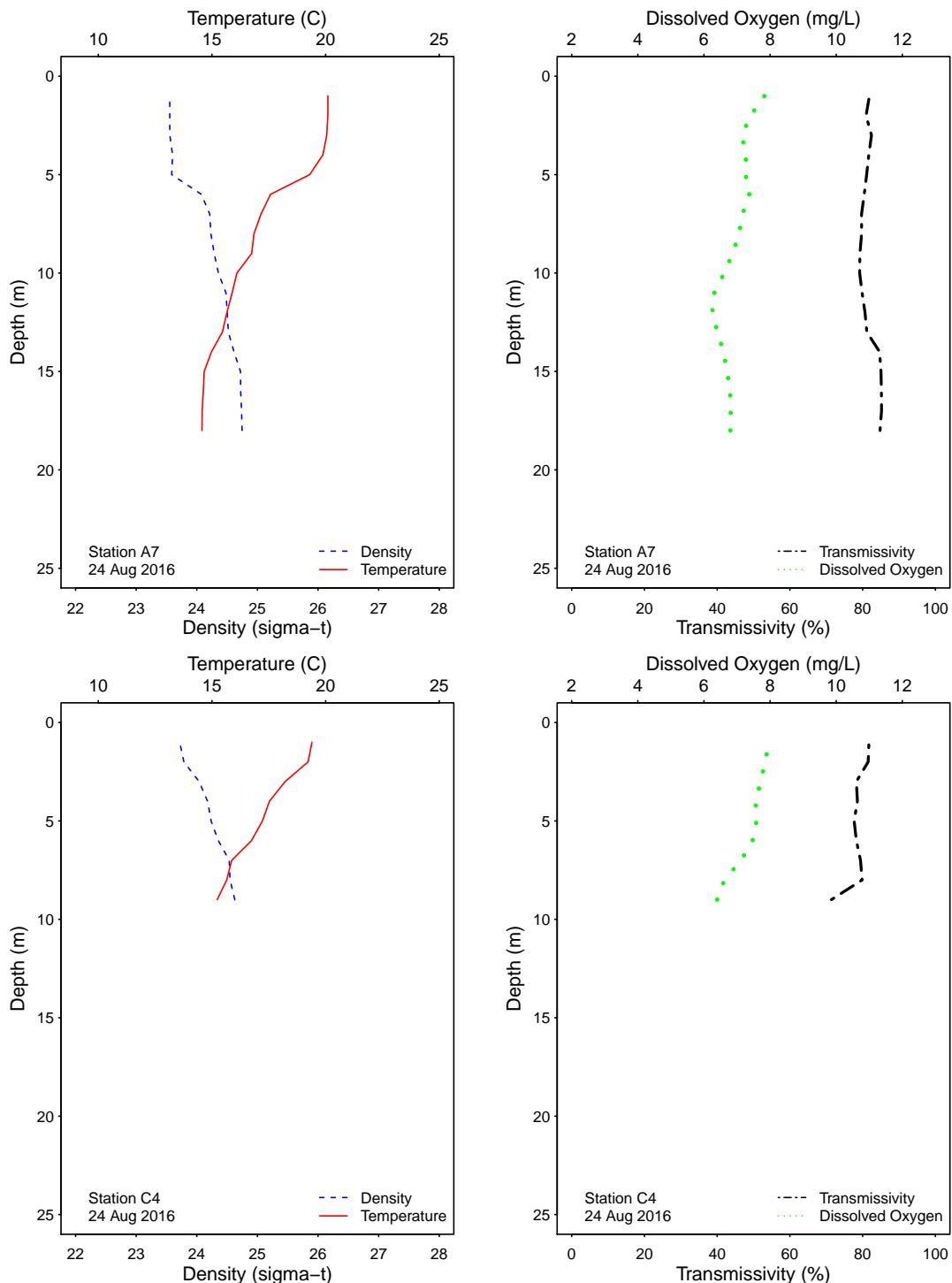


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

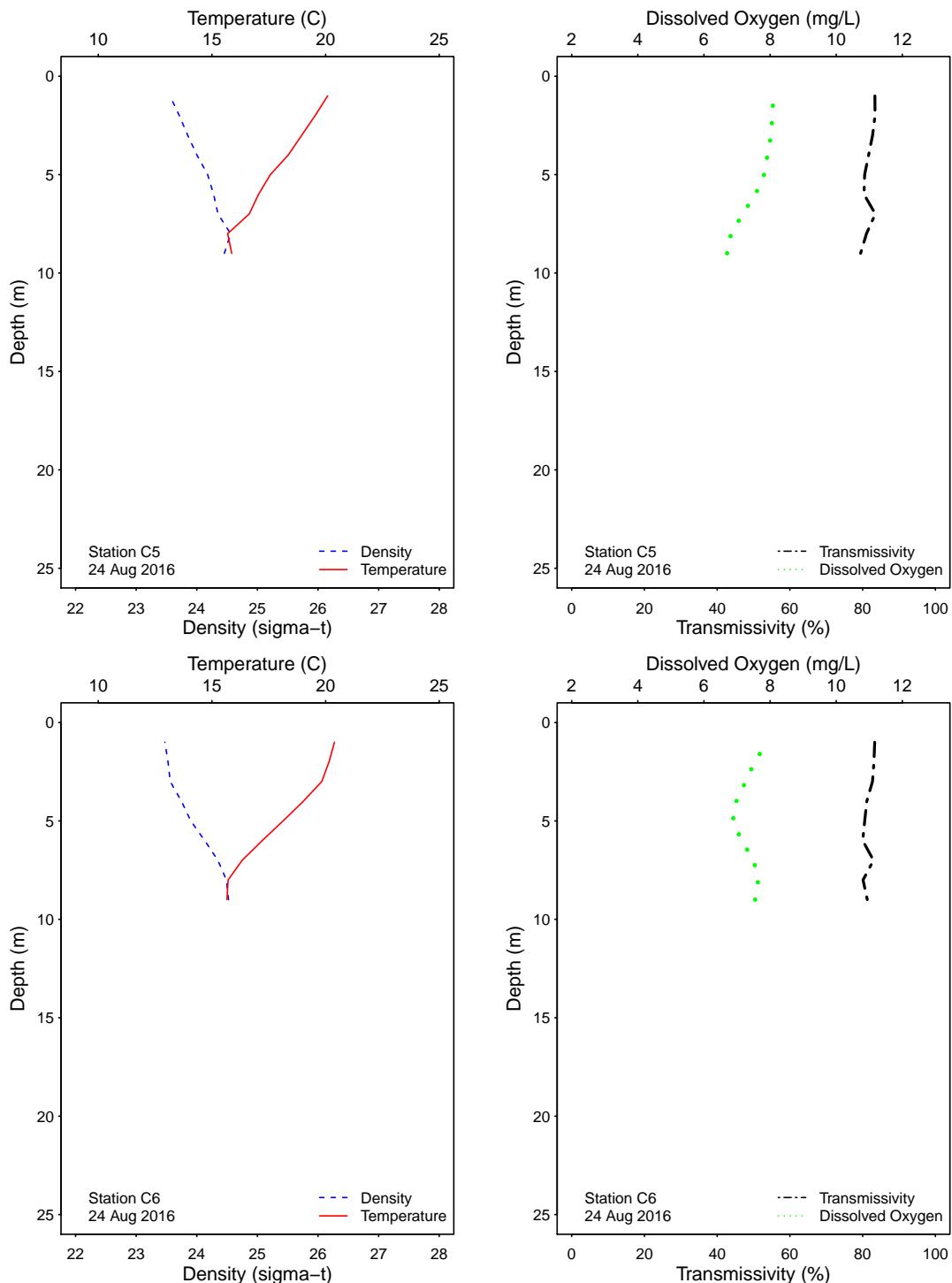


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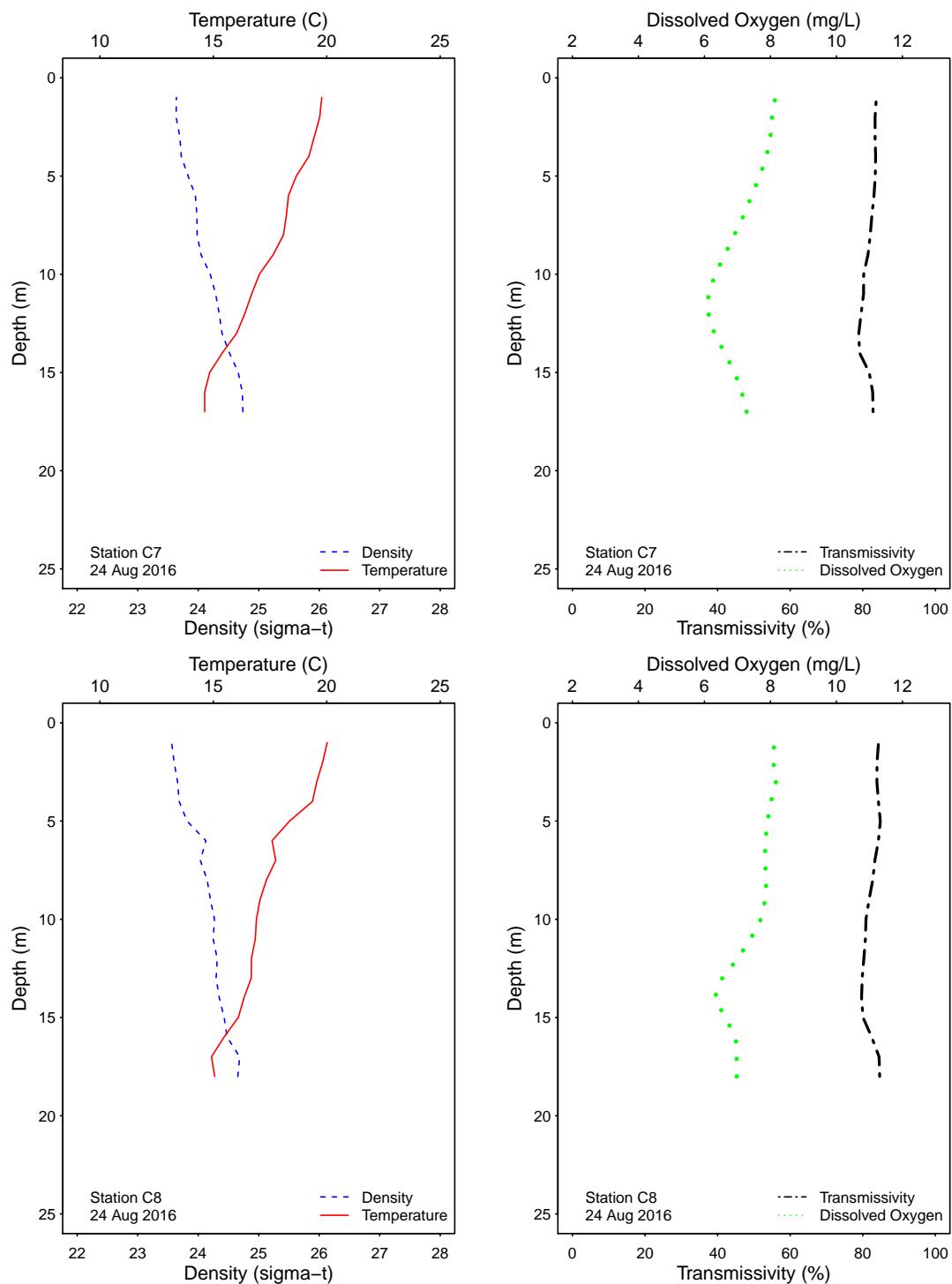


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

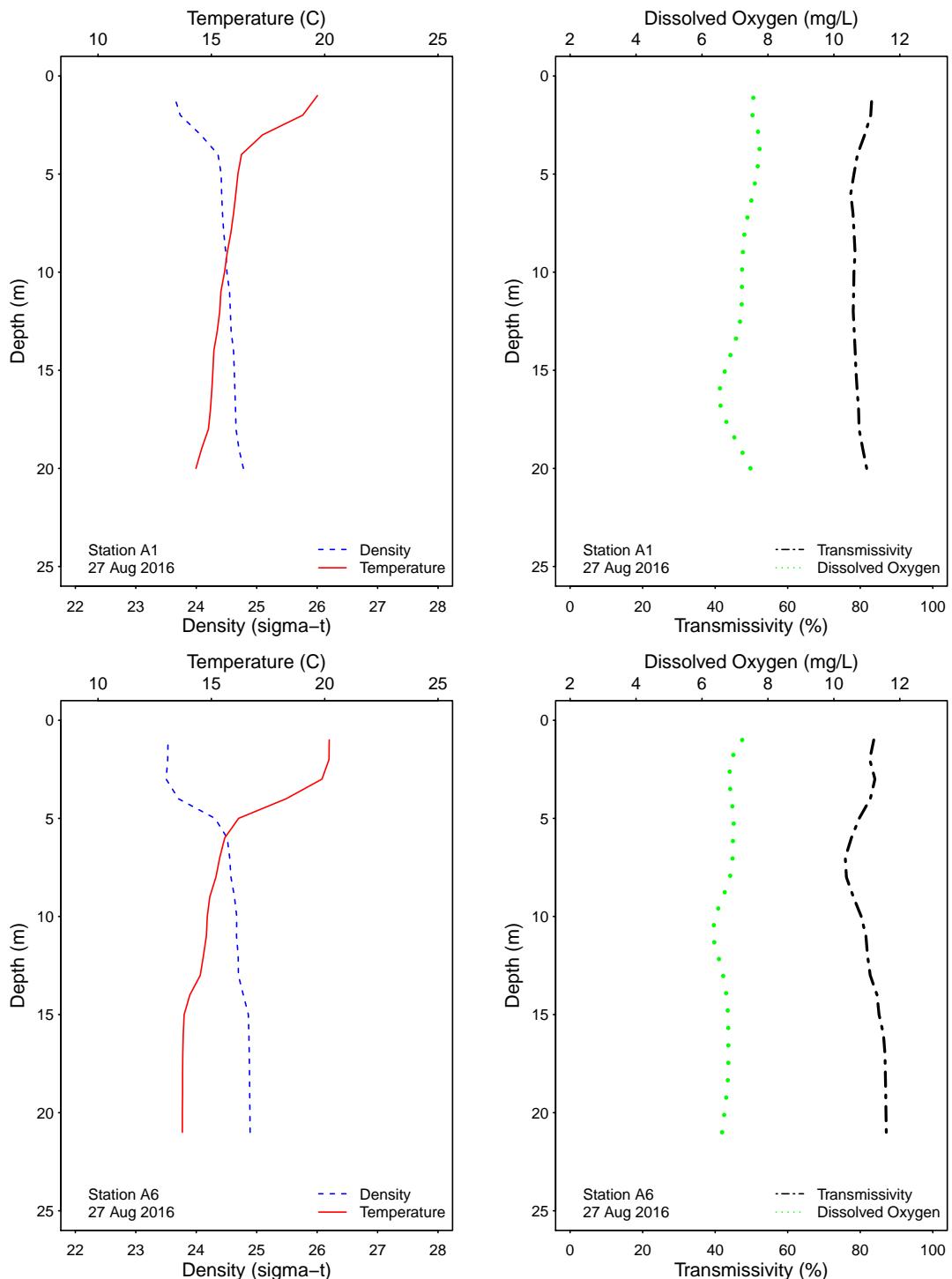


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

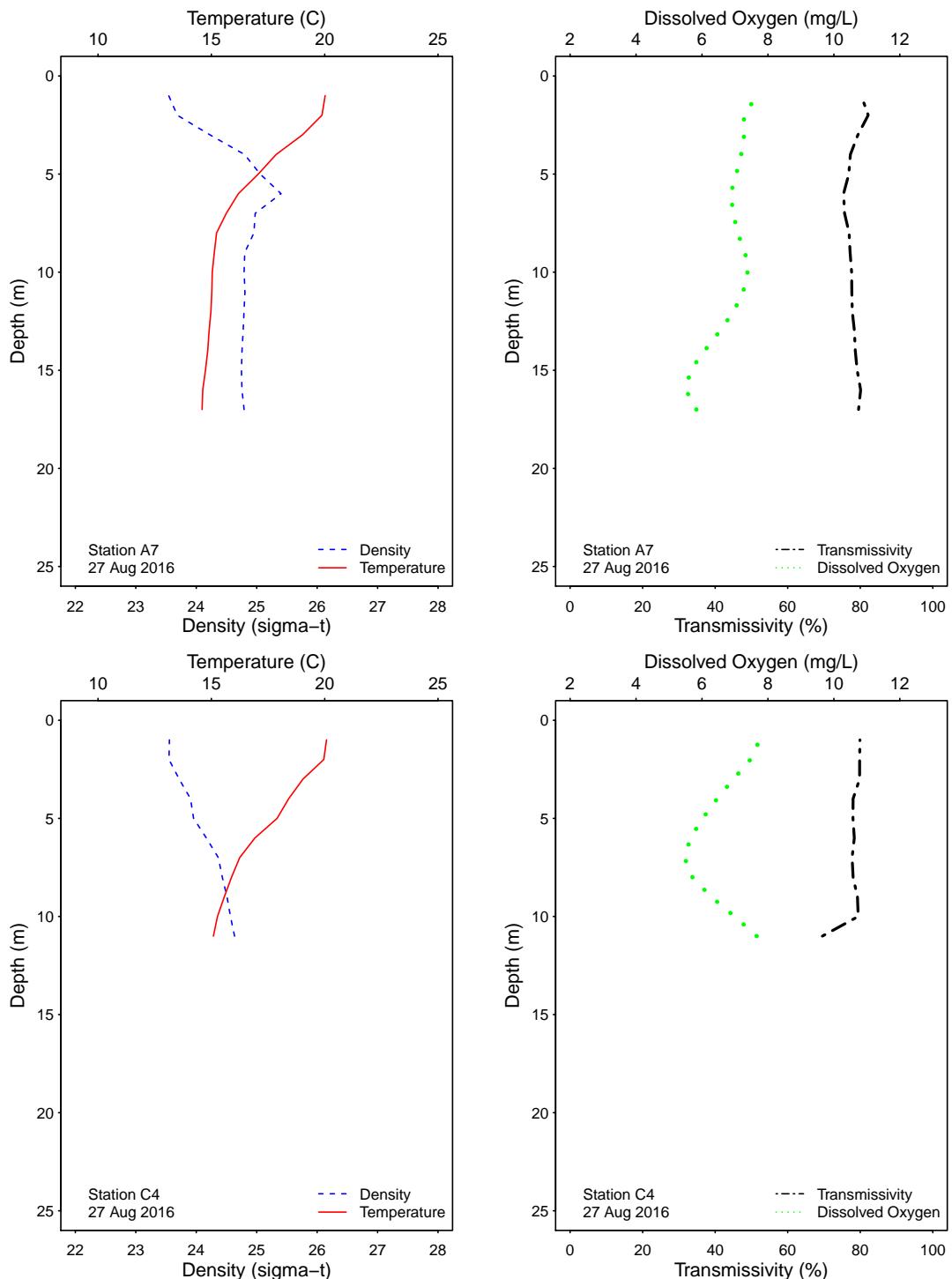


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

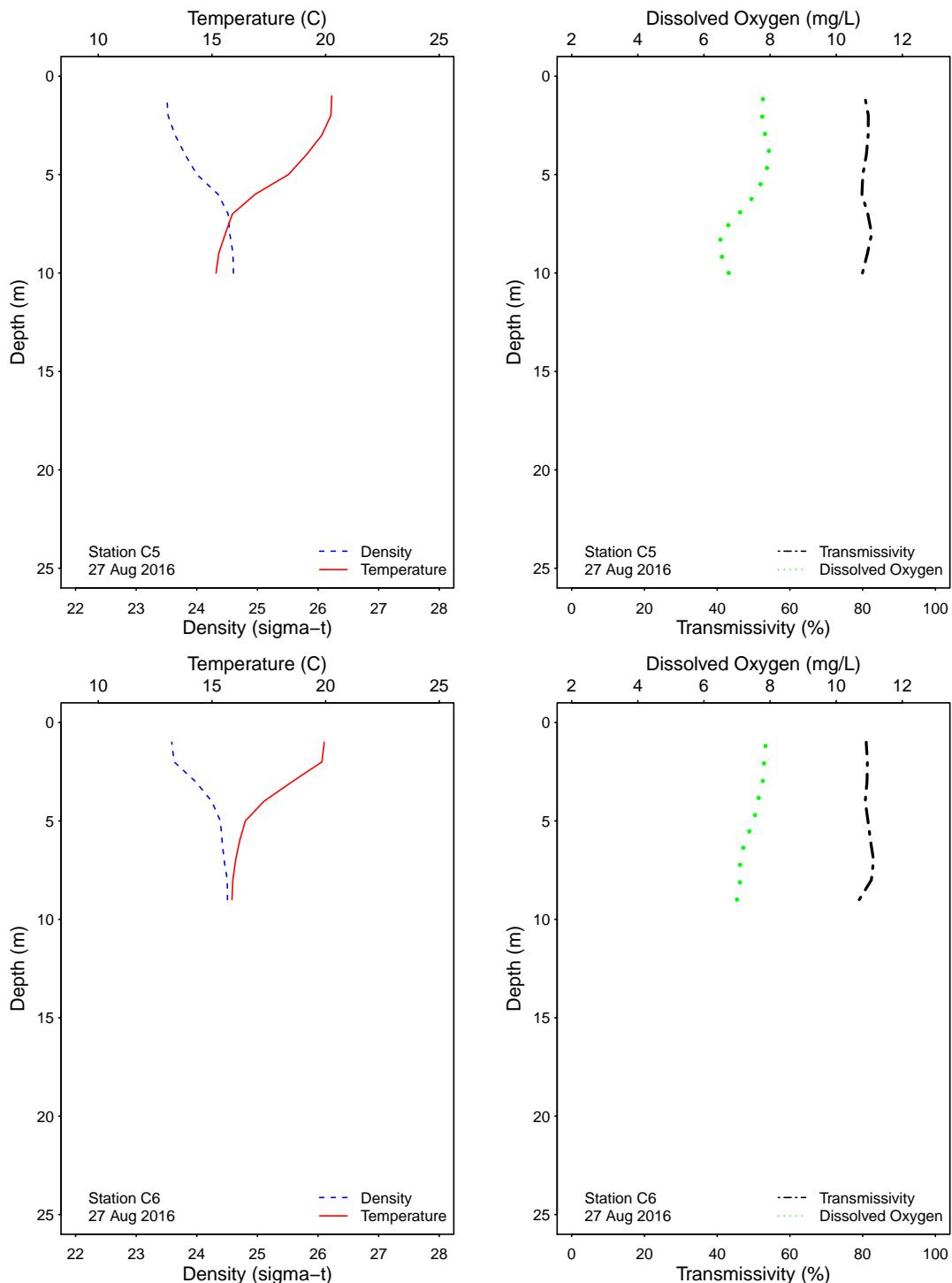


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

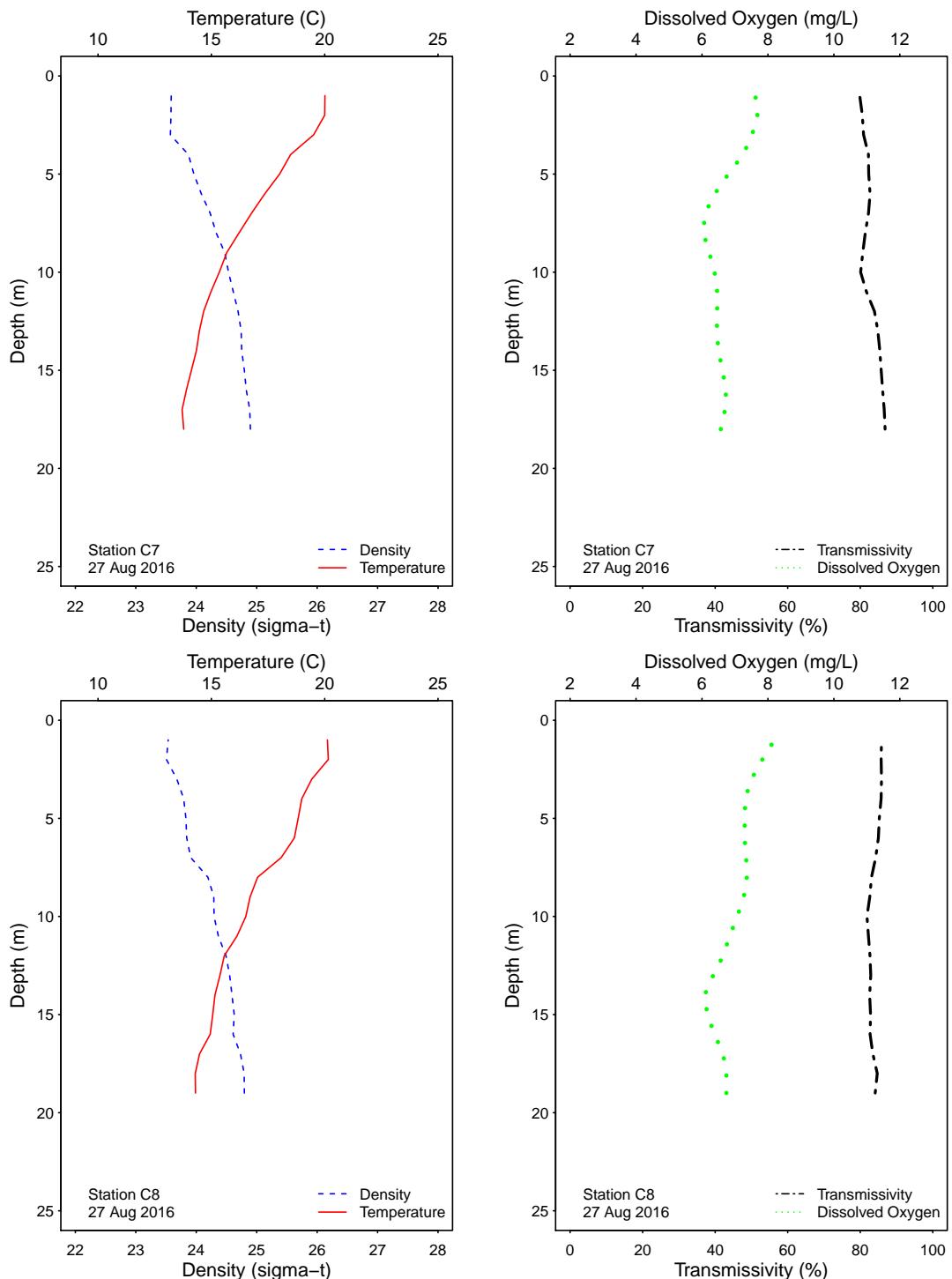


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

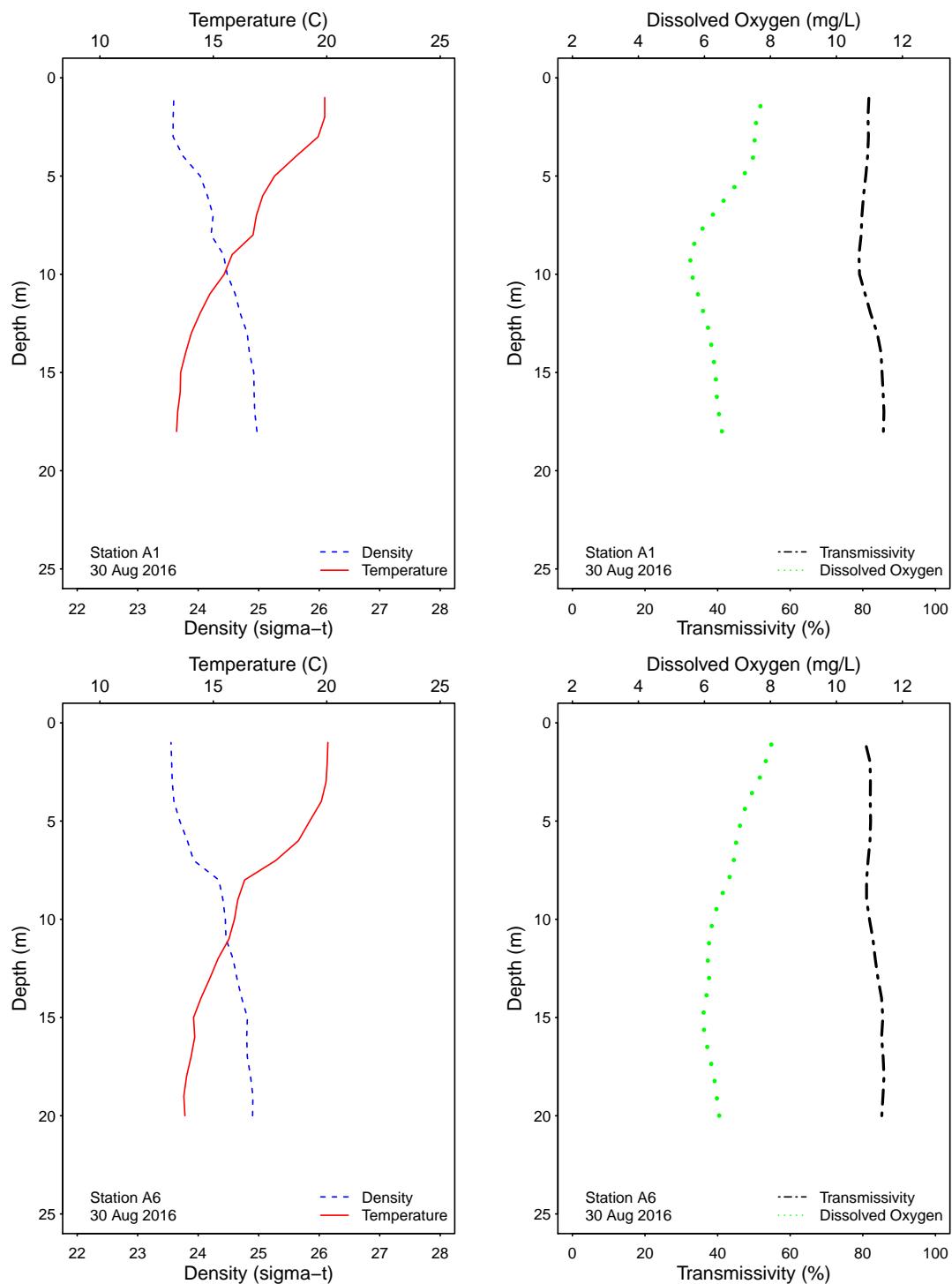


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

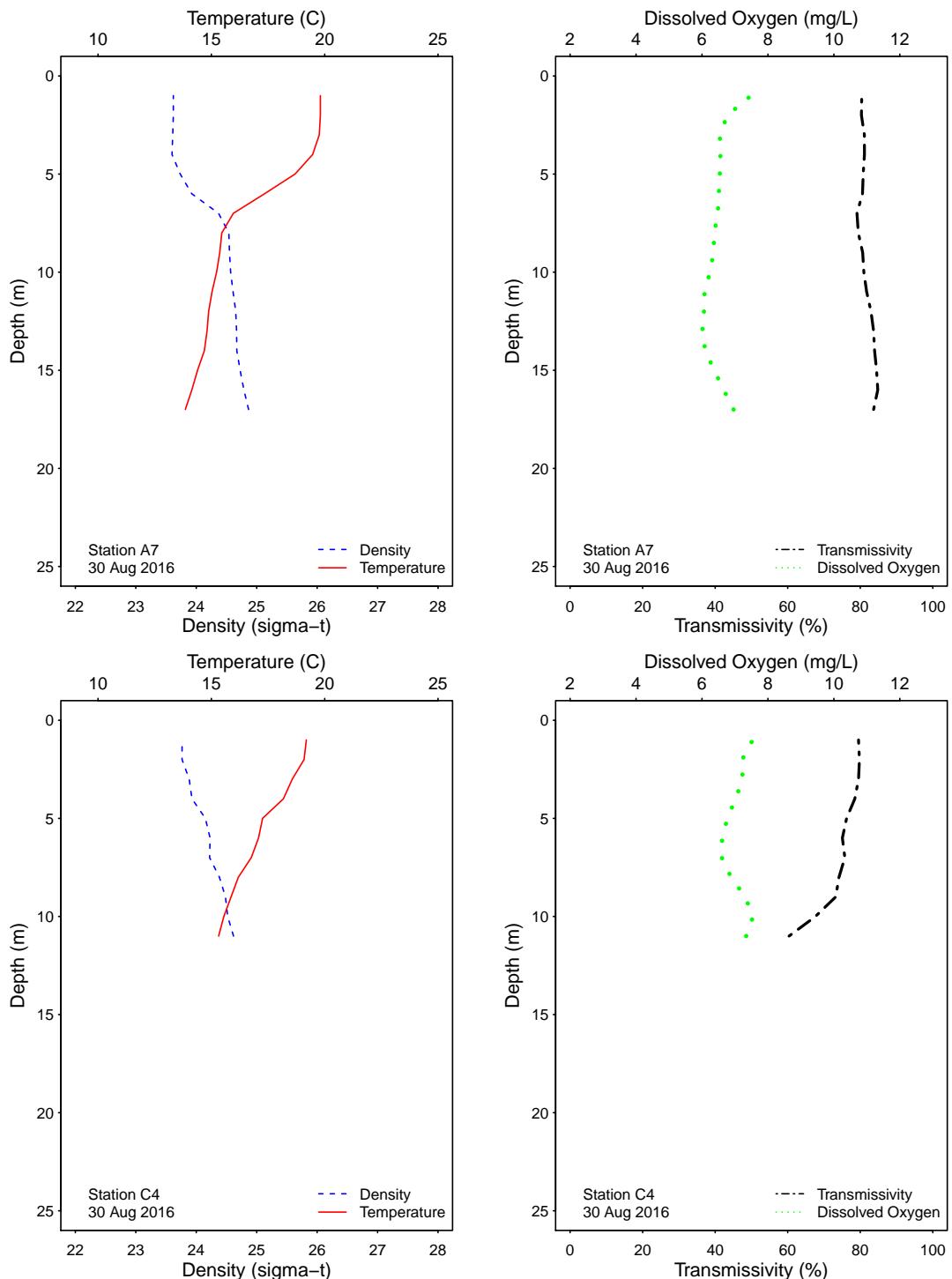


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

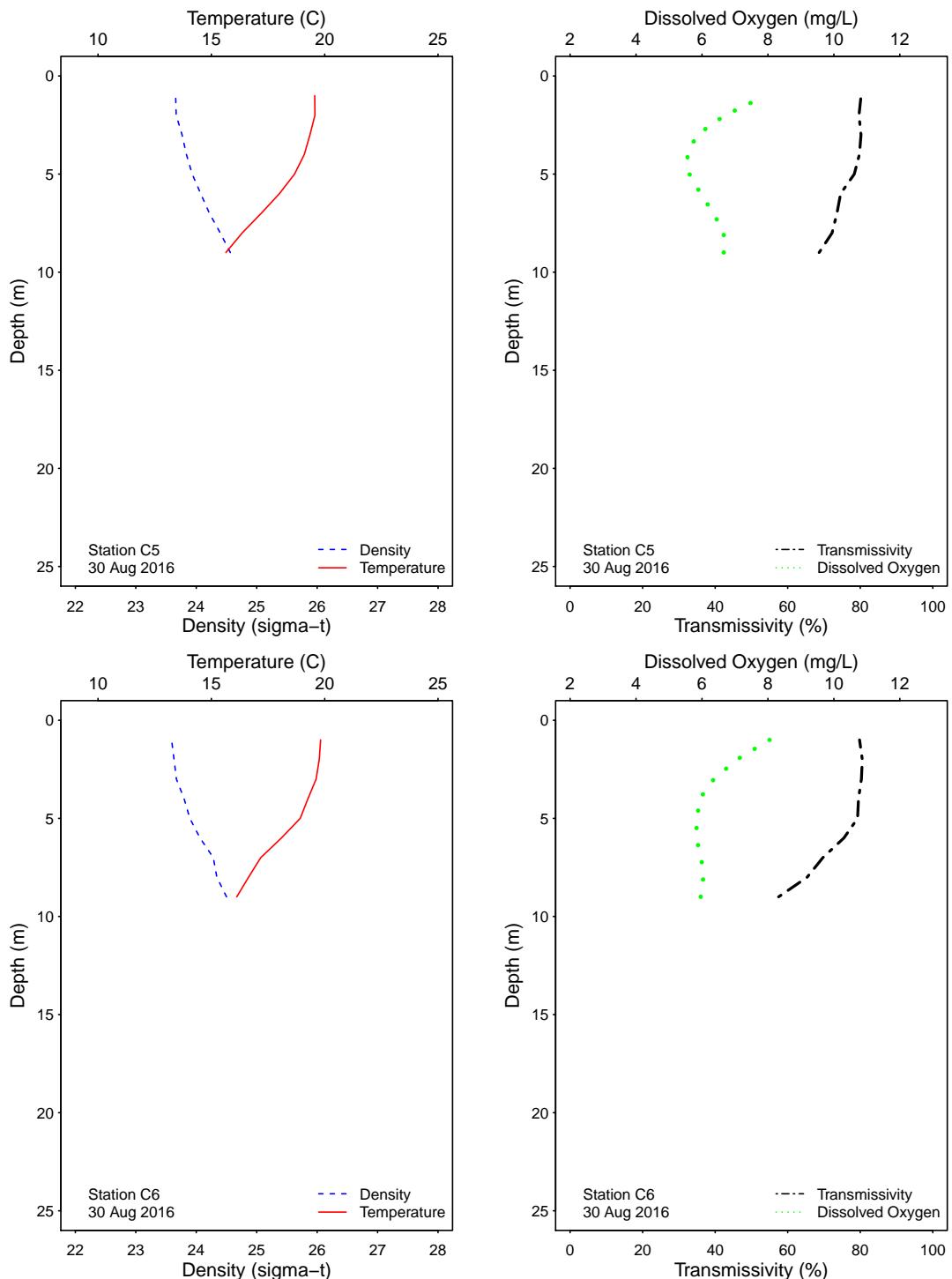


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

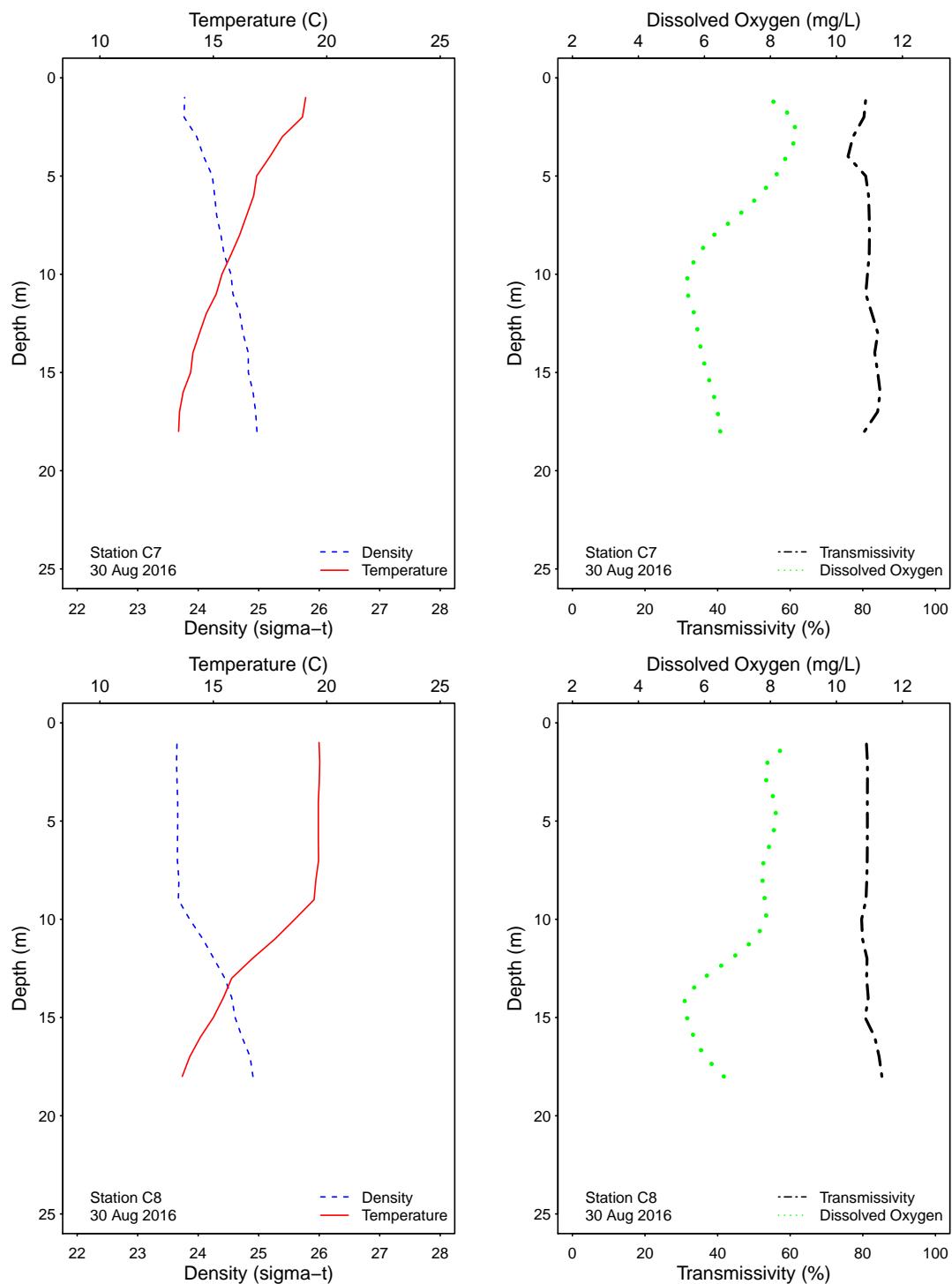


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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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
08 Aug 2016	IC	ns	ns	ns											
09 Aug 2016	ns	IC	IC	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

Table 4.2

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

Station	Date	Time	Depth	Enter	N-NH ₃	Temp	XMS	DO	Sal	pH
F01	08 Aug 2016	1151	1	<2	<0.01	21.2	76.13	7.4	33.57	8.2
F01	08 Aug 2016	1151	12	<2	<0.01	16.2	84.43	7.1	33.33	8.1
F01	08 Aug 2016	1151	18	<2	<0.01	14.9	86.21	6.8	33.34	8.1
F02	08 Aug 2016	816	1	<2	<0.01	22.0	71.20	8.0	33.59	8.3
F02	08 Aug 2016	816	12	<2	<0.01	17.4	82.91	7.5	33.40	8.2
F02	08 Aug 2016	816	18	<2	<0.01	15.3	82.98	6.8	33.34	8.1
F03	08 Aug 2016	844	1	2e	<0.01	22.4	75.47	8.0	33.62	8.3
F03	08 Aug 2016	844	12	<2	<0.01	16.8	82.24	7.3	33.35	8.1
F03	08 Aug 2016	844	18	<2	<0.01	15.4	85.59	6.9	33.32	8.1
F04	08 Aug 2016	1131	1	<2	ns	12.2	82.50	5.5	33.43	7.9
F04	08 Aug 2016	1131	25	<2	ns	14.4	87.15	7.2	33.31	8.1
F04	08 Aug 2016	1131	60	<2	ns	12.2	84.82	5.3	33.42	7.9
F05	08 Aug 2016	1117	1	36e	ns	22.8	82.70	8.4	33.64	8.3
F05	08 Aug 2016	1117	25	6e	ns	14.4	87.14	7.5	33.28	8.2
F05	08 Aug 2016	1117	60	16e	ns	12.2	84.32	5.3	33.40	7.9
F06	08 Aug 2016	1103	1	<2	<0.01	22.9	81.54	8.4	33.64	8.3
F06	08 Aug 2016	1103	25	<2	<0.01	14.1	86.98	7.1	33.30	8.1
F06	08 Aug 2016	1103	60	10e	<0.01	12.2	82.93	5.2	33.40	7.9
F07	08 Aug 2016	1047	1	<2	<0.01	22.8	78.37	8.2	33.63	8.3
F07	08 Aug 2016	1047	25	<2	<0.01	14.2	87.40	7.4	33.31	8.1
F07	08 Aug 2016	1047	60	6e	<0.01	12.2	84.40	5.2	33.40	7.9
F08	08 Aug 2016	1032	1	<2	<0.01	22.8	74.14	8.2	33.63	8.3
F08	08 Aug 2016	1032	25	4e	<0.01	14.5	87.15	7.2	33.33	8.1
F08	08 Aug 2016	1032	60	6e	<0.01	12.2	79.18	5.3	33.41	7.9
F09	08 Aug 2016	1020	1	<2	<0.01	23.0	80.05	8.3	33.64	8.3
F09	08 Aug 2016	1020	25	<2	<0.01	14.6	87.53	7.1	33.34	8.1
F09	08 Aug 2016	1020	60	10e	<0.01	12.3	82.39	5.5	33.41	7.9
F10	08 Aug 2016	1005	1	<2	<0.01	22.9	79.72	8.3	33.64	8.3
F10	08 Aug 2016	1005	25	<2	<0.01	14.5	87.61	7.1	33.34	8.1
F10	08 Aug 2016	1005	60	12e	<0.01	12.5	84.09	5.5	33.40	7.9
F11	08 Aug 2016	951	1	<2	<0.01	23.0	78.61	8.2	33.65	8.3
F11	08 Aug 2016	951	25	<2	<0.01	15.2	86.78	7.8	33.33	8.1
F11	08 Aug 2016	951	60	<2	<0.01	12.4	77.18	5.6	33.41	7.9
F12	08 Aug 2016	934	1	<2	<0.01	23.1	79.05	8.2	33.65	8.3
F12	08 Aug 2016	934	25	<2	<0.01	15.6	86.45	7.8	33.37	8.1
F12	08 Aug 2016	934	60	4e	<0.01	12.3	81.94	5.1	33.42	7.9

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F13	08 Aug 2016	920	1	<2	<0.01	23.2	80.21	8.2	33.66	8.3
F13	08 Aug 2016	920	25	<2	<0.01	15.1	86.70	7.4	33.34	8.1
F13	08 Aug 2016	920	60	4e	<0.01	11.9	80.40	4.9	33.41	7.9
F14	08 Aug 2016	903	1	<2	<0.01	23.1	79.87	8.3	33.65	8.3
F14	08 Aug 2016	903	25	<2	<0.01	14.5	87.25	7.1	33.32	8.1
F14	08 Aug 2016	903	60	12e	<0.01	11.9	75.25	5.2	33.42	7.9
F15	09 Aug 2016	1110	1	<2	ns	23.1	78.94	8.2	33.67	8.3
F15	09 Aug 2016	1110	25	<2	ns	14.5	87.15	7.8	33.30	8.2
F15	09 Aug 2016	1110	60	8e	ns	11.9	88.78	5.3	33.42	7.9
F15	09 Aug 2016	1110	80	<2	ns	11.1	79.89	4.3	33.56	7.8
F16	09 Aug 2016	1050	1	<2	ns	23.1	78.87	8.2	33.67	8.3
F16	09 Aug 2016	1050	25	<2	ns	14.5	87.15	8.2	33.36	8.2
F16	09 Aug 2016	1050	60	8e	ns	11.9	88.80	5.4	33.44	7.9
F16	09 Aug 2016	1050	80	58	ns	11.1	80.05	4.4	33.57	7.8
F17	09 Aug 2016	1034	1	<2	ns	23.1	79.16	8.2	33.68	8.4
F17	09 Aug 2016	1034	25	<2	ns	14.4	87.26	8.0	33.36	8.2
F17	09 Aug 2016	1034	60	8e	ns	11.9	88.33	5.4	33.44	7.9
F17	09 Aug 2016	1034	80	8e	ns	11.0	78.02	4.3	33.57	7.8
F18	09 Aug 2016	1014	1	<2	<0.01	23.2	80.16	8.3	33.69	8.4
F18	09 Aug 2016	1014	25	<2	<0.01	15.9	86.81	8.8	33.39	8.2
F18	09 Aug 2016	1014	60	4e	<0.01	12.0	88.13	5.5	33.44	7.9
F18	09 Aug 2016	1014	80	100	<0.01	11.1	79.29	4.3	33.55	7.8
F19	09 Aug 2016	959	1	<2	0.01	23.4	80.54	8.3	33.71	8.4
F19	09 Aug 2016	959	25	<2	0.02	14.8	87.71	8.5	33.34	8.2
F19	09 Aug 2016	959	60	8e	<0.01	11.6	87.03	5.1	33.46	7.9
F19	09 Aug 2016	959	80	10e	<0.01	11.1	82.30	4.3	33.51	7.8
F20	09 Aug 2016	942	1	<2	<0.01	23.5	80.26	8.3	33.72	8.4
F20	09 Aug 2016	942	25	<2	<0.01	15.4	87.01	8.7	33.36	8.2
F20	09 Aug 2016	942	60	4e	<0.01	11.6	88.74	5.3	33.45	7.9
F20	09 Aug 2016	942	80	12e	0.01	11.1	86.29	4.7	33.50	7.9
F21	09 Aug 2016	926	1	<2	ns	23.6	79.90	8.3	33.72	8.4
F21	09 Aug 2016	926	25	<2	ns	15.6	86.98	8.8	33.37	8.2
F21	09 Aug 2016	926	60	<2	ns	11.7	87.55	5.3	33.46	7.9
F21	09 Aug 2016	926	80	2e	ns	11.0	83.52	4.6	33.52	7.8
F22	09 Aug 2016	911	1	<2	ns	23.6	80.87	8.3	33.72	8.4
F22	09 Aug 2016	911	25	<2	ns	15.8	86.64	8.4	33.39	8.2
F22	09 Aug 2016	911	60	14e	ns	12.0	88.93	5.6	33.44	8.0
F22	09 Aug 2016	911	80	26e	ns	10.9	84.42	4.5	33.56	7.8
F23	09 Aug 2016	855	1	<2	ns	23.5	80.58	8.4	33.72	8.4
F23	09 Aug 2016	855	25	<2	ns	15.6	86.82	7.8	33.40	8.2
F23	09 Aug 2016	855	60	<2	ns	11.8	86.03	5.2	33.45	7.9
F23	09 Aug 2016	855	80	20e	ns	11.3	79.11	4.6	33.49	7.9
F24	09 Aug 2016	839	1	<2	ns	23.5	80.44	8.5	33.72	8.4

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F24	09 Aug 2016	839	25	<2	ns	15.2	87.09	7.6	33.40	8.1
F24	09 Aug 2016	839	60	<2	ns	12.1	88.45	5.6	33.43	7.9
F24	09 Aug 2016	839	80	22e	ns	11.5	83.18	4.8	33.46	7.9
F25	09 Aug 2016	823	1	<2	ns	23.6	80.31	8.5	33.72	8.4
F25	09 Aug 2016	823	25	<2	ns	14.5	87.30	7.0	33.41	8.1
F25	09 Aug 2016	823	60	<2	ns	12.4	87.51	5.7	33.42	7.9
F25	09 Aug 2016	823	80	2e	ns	11.4	78.38	4.7	33.47	7.9
F26	10 Aug 2016	1213	1	<2	ns	24.0	79.40	8.4	33.73	8.4
F26	10 Aug 2016	1213	25	<2	ns	15.0	87.56	8.1	33.40	8.2
F26	10 Aug 2016	1213	60	6e	ns	11.6	88.93	5.3	33.46	7.9
F26	10 Aug 2016	1213	80	22e	ns	10.8	86.73	4.2	33.61	7.8
F26	10 Aug 2016	1213	98	2e	ns	10.5	80.85	3.7	33.69	7.8
F27	10 Aug 2016	1157	1	<2	ns	23.9	79.11	8.4	33.73	8.4
F27	10 Aug 2016	1157	25	<2	ns	15.5	87.45	7.4	33.41	8.1
F27	10 Aug 2016	1157	60	6e	ns	11.8	88.43	5.3	33.45	7.9
F27	10 Aug 2016	1157	80	4e	ns	10.8	89.13	4.6	33.55	7.8
F27	10 Aug 2016	1157	98	16e	ns	10.5	81.55	3.7	33.70	7.8
F28	10 Aug 2016	1136	1	<2	ns	24.0	80.50	8.5	33.73	8.4
F28	10 Aug 2016	1136	25	<2	ns	15.4	87.44	7.8	33.40	8.2
F28	10 Aug 2016	1136	60	<2	ns	11.9	88.73	5.5	33.44	7.9
F28	10 Aug 2016	1136	80	<2	ns	10.8	88.92	4.6	33.56	7.8
F28	10 Aug 2016	1136	98	4e	ns	10.4	82.19	3.8	33.70	7.8
F29	10 Aug 2016	1117	1	<2	ns	23.9	80.51	8.5	33.73	8.4
F29	10 Aug 2016	1117	25	<2	ns	15.1	87.82	8.6	33.37	8.2
F29	10 Aug 2016	1117	60	8e	ns	11.6	88.28	5.2	33.45	7.9
F29	10 Aug 2016	1117	80	2e	ns	10.9	86.28	4.5	33.55	7.8
F29	10 Aug 2016	1117	98	2e	ns	10.2	82.78	3.6	33.77	7.8
F30	10 Aug 2016	1059	1	<2	ns	24.0	81.61	8.4	33.74	8.4
F30	10 Aug 2016	1059	25	<2	ns	15.3	87.51	8.6	33.37	8.2
F30	10 Aug 2016	1059	60	6e	ns	11.4	87.44	4.9	33.48	7.9
F30	10 Aug 2016	1059	80	6e	ns	10.7	86.98	4.3	33.59	7.8
F30	10 Aug 2016	1059	98	<2	ns	10.1	85.62	3.6	33.79	7.8
F31	10 Aug 2016	1041	1	<2	ns	24.0	81.14	8.4	33.74	8.4
F31	10 Aug 2016	1041	25	<2	ns	15.4	87.05	7.9	33.40	8.2
F31	10 Aug 2016	1041	60	2e	ns	12.0	87.62	5.3	33.45	7.9
F31	10 Aug 2016	1041	80	8e	ns	10.5	87.56	4.2	33.64	7.8
F31	10 Aug 2016	1041	98	10e	ns	10.1	83.72	3.6	33.80	7.8
F32	10 Aug 2016	1025	1	<2	ns	24.0	78.93	8.4	33.74	8.4
F32	10 Aug 2016	1025	25	<2	ns	16.0	86.76	7.6	33.41	8.2
F32	10 Aug 2016	1025	60	4e	ns	12.1	88.48	5.5	33.44	7.9
F32	10 Aug 2016	1025	80	1200	ns	10.8	86.37	4.4	33.51	7.8
F32	10 Aug 2016	1025	98	2e	ns	10.1	84.41	3.6	33.80	7.8
F33	10 Aug 2016	1007	1	<2	ns	10.2	85.07	3.6	33.78	7.8
F33	10 Aug 2016	1007	25	<2	ns	15.8	86.92	7.5	33.42	8.1
F33	10 Aug 2016	1007	60	2e	ns	11.8	87.13	5.2	33.45	7.9
F33	10 Aug 2016	1007	80	240e	ns	10.9	85.26	4.4	33.49	7.8

Station	Date	Time	Depth	Enter	N-NH3	Temp	XMS	DO	Sal	pH
F33	10 Aug 2016	1007	98	14e	ns	10.2	85.71	3.7	33.75	7.8
F34	10 Aug 2016	950	1	<2	ns	24.0	81.51	8.3	33.75	8.4
F34	10 Aug 2016	950	25	<2	ns	14.7	87.52	7.8	33.40	8.1
F34	10 Aug 2016	950	60	<2	ns	12.2	88.40	5.7	33.42	7.9
F34	10 Aug 2016	950	80	110	ns	11.1	85.51	4.6	33.50	7.8
F34	10 Aug 2016	950	98	4e	ns	10.3	83.24	3.7	33.76	7.8
F35	10 Aug 2016	932	1	<2	ns	24.0	82.03	8.3	33.75	8.4
F35	10 Aug 2016	932	25	<2	ns	14.4	87.95	8.3	33.34	8.2
F35	10 Aug 2016	932	60	<2	ns	12.4	88.68	5.9	33.42	8.0
F35	10 Aug 2016	932	80	6e	ns	11.2	87.42	4.8	33.50	7.9
F35	10 Aug 2016	932	98	<2	ns	10.3	82.18	4.0	33.73	7.8
F36	10 Aug 2016	909	1	<2	ns	24.0	82.07	8.4	33.75	8.4
F36	10 Aug 2016	909	25	<2	ns	14.6	86.92	8.3	33.34	8.2
F36	10 Aug 2016	909	60	2e	ns	12.5	88.74	6.0	33.41	8.0
F36	10 Aug 2016	909	80	10e	ns	11.1	88.22	4.8	33.51	7.9
F36	10 Aug 2016	909	98	<2	ns	10.6	87.00	4.3	33.62	7.8

ns = not sampled

ND = no data

Table 4.3

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

Station	Date	Parameter	Value
F01	08 Aug 2016	Depth (m)	20
F01	08 Aug 2016	Arrive Time	1151
F01	08 Aug 2016	Depart Time	1159
F01	08 Aug 2016	Air Temp (C)	20
F01	08 Aug 2016	Weather	Cloudy
F01	08 Aug 2016	Visibility (mi)	8
F01	08 Aug 2016	Wind Speed (kts)	6
F01	08 Aug 2016	Wind Dir	NE
F01	08 Aug 2016	Water Color	Greenish-Blue
F01	08 Aug 2016	Wave Ht Low (ft)	3
F01	08 Aug 2016	Wave Period (sec)	13
F01	08 Aug 2016	Sea State	Light chop
F01	08 Aug 2016	High Tide (ft)	4.35
F01	08 Aug 2016	High Tide Time	1345
F01	08 Aug 2016	Low Tide (ft)	1.27
F01	08 Aug 2016	Low Tide Time	711
F01	08 Aug 2016	Comments	
F02	08 Aug 2016	Depth (m)	19
F02	08 Aug 2016	Arrive Time	816
F02	08 Aug 2016	Depart Time	832
F02	08 Aug 2016	Air Temp (C)	20
F02	08 Aug 2016	Weather	Cloudy
F02	08 Aug 2016	Visibility (mi)	6
F02	08 Aug 2016	Wind Speed (kts)	5
F02	08 Aug 2016	Wind Dir	NE
F02	08 Aug 2016	Water Color	Greenish-Blue
F02	08 Aug 2016	Wave Ht Low (ft)	2
F02	08 Aug 2016	Wave Period (sec)	13
F02	08 Aug 2016	Sea State	Calm
F02	08 Aug 2016	High Tide (ft)	4.35
F02	08 Aug 2016	High Tide Time	1345
F02	08 Aug 2016	Low Tide (ft)	1.27
F02	08 Aug 2016	Low Tide Time	711
F02	08 Aug 2016	Comments	
F03	08 Aug 2016	Depth (m)	19
F03	08 Aug 2016	Arrive Time	844
F03	08 Aug 2016	Depart Time	848
F03	08 Aug 2016	Air Temp (C)	20
F03	08 Aug 2016	Weather	Cloudy
F03	08 Aug 2016	Visibility (mi)	6
F03	08 Aug 2016	Wind Speed (kts)	4
F03	08 Aug 2016	Wind Dir	N
F03	08 Aug 2016	Water Color	Green
F03	08 Aug 2016	Wave Ht Low (ft)	2
F03	08 Aug 2016	Wave Period (sec)	13
F03	08 Aug 2016	Sea State	Calm
F03	08 Aug 2016	High Tide (ft)	4.35
F03	08 Aug 2016	High Tide Time	1345
F03	08 Aug 2016	Low Tide (ft)	1.27

Station	Date	Parameter	Value
F03	08 Aug 2016	Low Tide Time	711
F03	08 Aug 2016	Comments	
F04	08 Aug 2016	Depth (m)	60
F04	08 Aug 2016	Arrive Time	1131
F04	08 Aug 2016	Depart Time	1136
F04	08 Aug 2016	Air Temp (C)	20
F04	08 Aug 2016	Weather	Cloudy
F04	08 Aug 2016	Visibility (mi)	8
F04	08 Aug 2016	Wind Speed (kts)	4
F04	08 Aug 2016	Wind Dir	W
F04	08 Aug 2016	Water Color	Greenish-Blue
F04	08 Aug 2016	Wave Ht Low (ft)	3
F04	08 Aug 2016	Wave Period (sec)	13
F04	08 Aug 2016	Sea State	Light chop
F04	08 Aug 2016	High Tide (ft)	4.35
F04	08 Aug 2016	High Tide Time	1345
F04	08 Aug 2016	Low Tide (ft)	1.27
F04	08 Aug 2016	Low Tide Time	711
F04	08 Aug 2016	Comments	
F05	08 Aug 2016	Depth (m)	60
F05	08 Aug 2016	Arrive Time	1117
F05	08 Aug 2016	Depart Time	1121
F05	08 Aug 2016	Air Temp (C)	20
F05	08 Aug 2016	Weather	Cloudy
F05	08 Aug 2016	Visibility (mi)	8
F05	08 Aug 2016	Wind Speed (kts)	5
F05	08 Aug 2016	Wind Dir	W
F05	08 Aug 2016	Water Color	Greenish-Blue
F05	08 Aug 2016	Wave Ht Low (ft)	3
F05	08 Aug 2016	Wave Period (sec)	13
F05	08 Aug 2016	Sea State	Light chop
F05	08 Aug 2016	High Tide (ft)	4.35
F05	08 Aug 2016	High Tide Time	1345
F05	08 Aug 2016	Low Tide (ft)	1.27
F05	08 Aug 2016	Low Tide Time	711
F05	08 Aug 2016	Comments	
F06	08 Aug 2016	Depth (m)	62
F06	08 Aug 2016	Arrive Time	1103
F06	08 Aug 2016	Depart Time	1108
F06	08 Aug 2016	Air Temp (C)	20
F06	08 Aug 2016	Weather	Cloudy
F06	08 Aug 2016	Visibility (mi)	6
F06	08 Aug 2016	Wind Speed (kts)	3
F06	08 Aug 2016	Wind Dir	S
F06	08 Aug 2016	Water Color	Greenish-Blue
F06	08 Aug 2016	Wave Ht Low (ft)	3
F06	08 Aug 2016	Wave Period (sec)	13
F06	08 Aug 2016	Sea State	Calm
F06	08 Aug 2016	High Tide (ft)	4.35
F06	08 Aug 2016	High Tide Time	1345
F06	08 Aug 2016	Low Tide (ft)	1.27
F06	08 Aug 2016	Low Tide Time	711

Station	Date	Parameter	Value
F06	08 Aug 2016	Comments	
F07	08 Aug 2016	Depth (m)	64
F07	08 Aug 2016	Arrive Time	1047
F07	08 Aug 2016	Depart Time	1052
F07	08 Aug 2016	Air Temp (C)	20
F07	08 Aug 2016	Weather	Cloudy
F07	08 Aug 2016	Visibility (mi)	6
F07	08 Aug 2016	Wind Speed (kts)	3
F07	08 Aug 2016	Wind Dir	S
F07	08 Aug 2016	Water Color	Greenish-Blue
F07	08 Aug 2016	Wave Ht Low (ft)	3
F07	08 Aug 2016	Wave Period (sec)	13
F07	08 Aug 2016	Sea State	Calm
F07	08 Aug 2016	High Tide (ft)	4.35
F07	08 Aug 2016	High Tide Time	1345
F07	08 Aug 2016	Low Tide (ft)	1.27
F07	08 Aug 2016	Low Tide Time	711
F07	08 Aug 2016	Comments	
F08	08 Aug 2016	Depth (m)	62
F08	08 Aug 2016	Arrive Time	1032
F08	08 Aug 2016	Depart Time	1040
F08	08 Aug 2016	Air Temp (C)	20
F08	08 Aug 2016	Weather	Cloudy
F08	08 Aug 2016	Visibility (mi)	6
F08	08 Aug 2016	Wind Speed (kts)	6
F08	08 Aug 2016	Wind Dir	S
F08	08 Aug 2016	Water Color	Greenish-Blue
F08	08 Aug 2016	Wave Ht Low (ft)	3
F08	08 Aug 2016	Wave Period (sec)	13
F08	08 Aug 2016	Sea State	Calm
F08	08 Aug 2016	High Tide (ft)	4.35
F08	08 Aug 2016	High Tide Time	1345
F08	08 Aug 2016	Low Tide (ft)	1.27
F08	08 Aug 2016	Low Tide Time	711
F08	08 Aug 2016	Comments	
F09	08 Aug 2016	Depth (m)	60
F09	08 Aug 2016	Arrive Time	1020
F09	08 Aug 2016	Depart Time	1025
F09	08 Aug 2016	Air Temp (C)	19
F09	08 Aug 2016	Weather	Cloudy
F09	08 Aug 2016	Visibility (mi)	6
F09	08 Aug 2016	Wind Speed (kts)	6
F09	08 Aug 2016	Wind Dir	W
F09	08 Aug 2016	Water Color	Greenish-Blue
F09	08 Aug 2016	Wave Ht Low (ft)	3
F09	08 Aug 2016	Wave Period (sec)	13
F09	08 Aug 2016	Sea State	Calm
F09	08 Aug 2016	High Tide (ft)	4.35
F09	08 Aug 2016	High Tide Time	1345
F09	08 Aug 2016	Low Tide (ft)	1.27
F09	08 Aug 2016	Low Tide Time	711
F09	08 Aug 2016	Comments	

Station	Date	Parameter	Value
F10	08 Aug 2016	Depth (m)	62
F10	08 Aug 2016	Arrive Time	1005
F10	08 Aug 2016	Depart Time	1011
F10	08 Aug 2016	Air Temp (C)	20
F10	08 Aug 2016	Weather	Cloudy
F10	08 Aug 2016	Visibility (mi)	6
F10	08 Aug 2016	Wind Speed (kts)	9
F10	08 Aug 2016	Wind Dir	E
F10	08 Aug 2016	Water Color	Greenish-Blue
F10	08 Aug 2016	Wave Ht Low (ft)	3
F10	08 Aug 2016	Wave Period (sec)	13
F10	08 Aug 2016	Sea State	Calm
F10	08 Aug 2016	High Tide (ft)	4.35
F10	08 Aug 2016	High Tide Time	1345
F10	08 Aug 2016	Low Tide (ft)	1.27
F10	08 Aug 2016	Low Tide Time	711
F10	08 Aug 2016	Comments	
F11	08 Aug 2016	Depth (m)	60
F11	08 Aug 2016	Arrive Time	951
F11	08 Aug 2016	Depart Time	956
F11	08 Aug 2016	Air Temp (C)	20
F11	08 Aug 2016	Weather	Cloudy
F11	08 Aug 2016	Visibility (mi)	6
F11	08 Aug 2016	Wind Speed (kts)	8
F11	08 Aug 2016	Wind Dir	N
F11	08 Aug 2016	Water Color	Greenish-Blue
F11	08 Aug 2016	Wave Ht Low (ft)	3
F11	08 Aug 2016	Wave Period (sec)	13
F11	08 Aug 2016	Sea State	Calm
F11	08 Aug 2016	High Tide (ft)	4.35
F11	08 Aug 2016	High Tide Time	1345
F11	08 Aug 2016	Low Tide (ft)	1.27
F11	08 Aug 2016	Low Tide Time	711
F11	08 Aug 2016	Comments	
F12	08 Aug 2016	Depth (m)	60
F12	08 Aug 2016	Arrive Time	934
F12	08 Aug 2016	Depart Time	941
F12	08 Aug 2016	Air Temp (C)	20
F12	08 Aug 2016	Weather	Cloudy
F12	08 Aug 2016	Visibility (mi)	6
F12	08 Aug 2016	Wind Speed (kts)	6
F12	08 Aug 2016	Wind Dir	S
F12	08 Aug 2016	Water Color	Greenish-Blue
F12	08 Aug 2016	Wave Ht Low (ft)	3
F12	08 Aug 2016	Wave Period (sec)	13
F12	08 Aug 2016	Sea State	Calm
F12	08 Aug 2016	High Tide (ft)	4.35
F12	08 Aug 2016	High Tide Time	1345
F12	08 Aug 2016	Low Tide (ft)	1.27
F12	08 Aug 2016	Low Tide Time	711
F12	08 Aug 2016	Comments	

Station	Date	Parameter	Value
F13	08 Aug 2016	Depth (m)	60
F13	08 Aug 2016	Arrive Time	920
F13	08 Aug 2016	Depart Time	925
F13	08 Aug 2016	Air Temp (C)	20
F13	08 Aug 2016	Weather	Cloudy
F13	08 Aug 2016	Visibility (mi)	6
F13	08 Aug 2016	Wind Speed (kts)	5
F13	08 Aug 2016	Wind Dir	SW
F13	08 Aug 2016	Water Color	Greenish-Blue
F13	08 Aug 2016	Wave Ht Low (ft)	3
F13	08 Aug 2016	Wave Period (sec)	13
F13	08 Aug 2016	Sea State	Calm
F13	08 Aug 2016	High Tide (ft)	4.35
F13	08 Aug 2016	High Tide Time	1345
F13	08 Aug 2016	Low Tide (ft)	1.27
F13	08 Aug 2016	Low Tide Time	711
F13	08 Aug 2016	Comments	
F14	08 Aug 2016	Depth (m)	60
F14	08 Aug 2016	Arrive Time	903
F14	08 Aug 2016	Depart Time	910
F14	08 Aug 2016	Air Temp (C)	20
F14	08 Aug 2016	Weather	Cloudy
F14	08 Aug 2016	Visibility (mi)	6
F14	08 Aug 2016	Wind Speed (kts)	6
F14	08 Aug 2016	Wind Dir	S
F14	08 Aug 2016	Water Color	Greenish-Blue
F14	08 Aug 2016	Wave Ht Low (ft)	2
F14	08 Aug 2016	Wave Period (sec)	13
F14	08 Aug 2016	Sea State	Calm
F14	08 Aug 2016	High Tide (ft)	4.35
F14	08 Aug 2016	High Tide Time	1345
F14	08 Aug 2016	Low Tide (ft)	1.27
F14	08 Aug 2016	Low Tide Time	711
F14	08 Aug 2016	Comments	
F15	09 Aug 2016	Depth (m)	82
F15	09 Aug 2016	Arrive Time	1110
F15	09 Aug 2016	Depart Time	1118
F15	09 Aug 2016	Air Temp (C)	19
F15	09 Aug 2016	Weather	Partly Cloudy
F15	09 Aug 2016	Visibility (mi)	12
F15	09 Aug 2016	Wind Speed (kts)	10
F15	09 Aug 2016	Wind Dir	N
F15	09 Aug 2016	Water Color	Green
F15	09 Aug 2016	Wave Ht Low (ft)	2
F15	09 Aug 2016	Wave Period (sec)	7
F15	09 Aug 2016	Sea State	Calm
F15	09 Aug 2016	High Tide (ft)	4.31
F15	09 Aug 2016	High Tide Time	1436
F15	09 Aug 2016	Low Tide (ft)	1.74
F15	09 Aug 2016	Low Tide Time	749
F15	09 Aug 2016	Comments	
F16	09 Aug 2016	Depth (m)	82

Station	Date	Parameter	Value
F16	09 Aug 2016	Arrive Time	1050
F16	09 Aug 2016	Depart Time	1056
F16	09 Aug 2016	Air Temp (C)	19
F16	09 Aug 2016	Weather	Partly Cloudy
F16	09 Aug 2016	Visibility (mi)	12
F16	09 Aug 2016	Wind Speed (kts)	6
F16	09 Aug 2016	Wind Dir	W
F16	09 Aug 2016	Water Color	Green
F16	09 Aug 2016	Wave Ht Low (ft)	2
F16	09 Aug 2016	Wave Period (sec)	7
F16	09 Aug 2016	Sea State	Calm
F16	09 Aug 2016	High Tide (ft)	4.31
F16	09 Aug 2016	High Tide Time	1436
F16	09 Aug 2016	Low Tide (ft)	1.74
F16	09 Aug 2016	Low Tide Time	749
F16	09 Aug 2016	Comments	
F17	09 Aug 2016	Depth (m)	81
F17	09 Aug 2016	Arrive Time	1034
F17	09 Aug 2016	Depart Time	1041
F17	09 Aug 2016	Air Temp (C)	19
F17	09 Aug 2016	Weather	Partly Cloudy
F17	09 Aug 2016	Visibility (mi)	12
F17	09 Aug 2016	Wind Speed (kts)	6
F17	09 Aug 2016	Wind Dir	SE
F17	09 Aug 2016	Water Color	Green
F17	09 Aug 2016	Wave Ht Low (ft)	2
F17	09 Aug 2016	Wave Period (sec)	7
F17	09 Aug 2016	Sea State	Calm
F17	09 Aug 2016	High Tide (ft)	4.31
F17	09 Aug 2016	High Tide Time	1436
F17	09 Aug 2016	Low Tide (ft)	1.74
F17	09 Aug 2016	Low Tide Time	749
F17	09 Aug 2016	Comments	
F18	09 Aug 2016	Depth (m)	82
F18	09 Aug 2016	Arrive Time	1014
F18	09 Aug 2016	Depart Time	1033
F18	09 Aug 2016	Air Temp (C)	19
F18	09 Aug 2016	Weather	Partly Cloudy
F18	09 Aug 2016	Visibility (mi)	11
F18	09 Aug 2016	Wind Speed (kts)	10
F18	09 Aug 2016	Wind Dir	NW
F18	09 Aug 2016	Water Color	Green
F18	09 Aug 2016	Wave Ht Low (ft)	2
F18	09 Aug 2016	Wave Period (sec)	7
F18	09 Aug 2016	Sea State	Calm
F18	09 Aug 2016	High Tide (ft)	4.31
F18	09 Aug 2016	High Tide Time	1436
F18	09 Aug 2016	Low Tide (ft)	1.74
F18	09 Aug 2016	Low Tide Time	749
F18	09 Aug 2016	Comments	
F19	09 Aug 2016	Depth (m)	82
F19	09 Aug 2016	Arrive Time	959

Station	Date	Parameter	Value
F19	09 Aug 2016	Depart Time	1006
F19	09 Aug 2016	Air Temp (C)	20
F19	09 Aug 2016	Weather	Partly Cloudy
F19	09 Aug 2016	Visibility (mi)	11
F19	09 Aug 2016	Wind Speed (kts)	10
F19	09 Aug 2016	Wind Dir	NE
F19	09 Aug 2016	Water Color	Green
F19	09 Aug 2016	Wave Ht Low (ft)	2
F19	09 Aug 2016	Wave Period (sec)	7
F19	09 Aug 2016	Sea State	Calm
F19	09 Aug 2016	High Tide (ft)	4.31
F19	09 Aug 2016	High Tide Time	1436
F19	09 Aug 2016	Low Tide (ft)	1.74
F19	09 Aug 2016	Low Tide Time	749
F19	09 Aug 2016	Comments	
F20	09 Aug 2016	Depth (m)	82
F20	09 Aug 2016	Arrive Time	942
F20	09 Aug 2016	Depart Time	950
F20	09 Aug 2016	Air Temp (C)	19
F20	09 Aug 2016	Weather	Overcast
F20	09 Aug 2016	Visibility (mi)	10
F20	09 Aug 2016	Wind Speed (kts)	8
F20	09 Aug 2016	Wind Dir	W
F20	09 Aug 2016	Water Color	Green
F20	09 Aug 2016	Wave Ht Low (ft)	2
F20	09 Aug 2016	Wave Period (sec)	7
F20	09 Aug 2016	Sea State	Calm
F20	09 Aug 2016	High Tide (ft)	4.31
F20	09 Aug 2016	High Tide Time	1436
F20	09 Aug 2016	Low Tide (ft)	1.74
F20	09 Aug 2016	Low Tide Time	749
F20	09 Aug 2016	Comments	
F21	09 Aug 2016	Depth (m)	84
F21	09 Aug 2016	Arrive Time	926
F21	09 Aug 2016	Depart Time	933
F21	09 Aug 2016	Air Temp (C)	20
F21	09 Aug 2016	Weather	Overcast
F21	09 Aug 2016	Visibility (mi)	8
F21	09 Aug 2016	Wind Speed (kts)	7
F21	09 Aug 2016	Wind Dir	N
F21	09 Aug 2016	Water Color	Green
F21	09 Aug 2016	Wave Ht Low (ft)	2
F21	09 Aug 2016	Wave Period (sec)	7
F21	09 Aug 2016	Sea State	Calm
F21	09 Aug 2016	High Tide (ft)	4.31
F21	09 Aug 2016	High Tide Time	1436
F21	09 Aug 2016	Low Tide (ft)	1.74
F21	09 Aug 2016	Low Tide Time	749
F21	09 Aug 2016	Comments	
F22	09 Aug 2016	Depth (m)	81
F22	09 Aug 2016	Arrive Time	911
F22	09 Aug 2016	Depart Time	917

Station	Date	Parameter	Value
F22	09 Aug 2016	Air Temp (C)	20
F22	09 Aug 2016	Weather	Overcast
F22	09 Aug 2016	Visibility (mi)	8
F22	09 Aug 2016	Wind Speed (kts)	2
F22	09 Aug 2016	Wind Dir	NE
F22	09 Aug 2016	Water Color	Green
F22	09 Aug 2016	Wave Ht Low (ft)	2
F22	09 Aug 2016	Wave Period (sec)	7
F22	09 Aug 2016	Sea State	Calm
F22	09 Aug 2016	High Tide (ft)	4.31
F22	09 Aug 2016	High Tide Time	1436
F22	09 Aug 2016	Low Tide (ft)	1.74
F22	09 Aug 2016	Low Tide Time	749
F22	09 Aug 2016	Comments	
F24	09 Aug 2016	Depth (m)	81
F24	09 Aug 2016	Arrive Time	839
F24	09 Aug 2016	Depart Time	846
F24	09 Aug 2016	Air Temp (C)	20
F24	09 Aug 2016	Weather	Overcast
F24	09 Aug 2016	Visibility (mi)	6
F24	09 Aug 2016	Wind Speed (kts)	4
F24	09 Aug 2016	Wind Dir	NE
F24	09 Aug 2016	Water Color	Green
F24	09 Aug 2016	Wave Ht Low (ft)	2
F24	09 Aug 2016	Wave Period (sec)	7
F24	09 Aug 2016	Sea State	Calm
F24	09 Aug 2016	High Tide (ft)	4.31
F24	09 Aug 2016	High Tide Time	1436
F24	09 Aug 2016	Low Tide (ft)	1.74
F24	09 Aug 2016	Low Tide Time	749
F24	09 Aug 2016	Comments	
F25	09 Aug 2016	Depth (m)	80
F25	09 Aug 2016	Arrive Time	823
F25	09 Aug 2016	Depart Time	831
F25	09 Aug 2016	Air Temp (C)	20
F25	09 Aug 2016	Weather	Overcast
F25	09 Aug 2016	Visibility (mi)	6
F25	09 Aug 2016	Wind Speed (kts)	5
F25	09 Aug 2016	Wind Dir	N
F25	09 Aug 2016	Water Color	Green
F25	09 Aug 2016	Wave Ht Low (ft)	2
F25	09 Aug 2016	Wave Period (sec)	7
F25	09 Aug 2016	Sea State	Calm
F25	09 Aug 2016	High Tide (ft)	4.31
F25	09 Aug 2016	High Tide Time	1436
F25	09 Aug 2016	Low Tide (ft)	1.74
F25	09 Aug 2016	Low Tide Time	749
F25	09 Aug 2016	Comments	Kelp debris
F26	10 Aug 2016	Depth (m)	99
F26	10 Aug 2016	Arrive Time	1213
F26	10 Aug 2016	Depart Time	1222
F26	10 Aug 2016	Air Temp (C)	20

Station	Date	Parameter	Value
F26	10 Aug 2016	Weather	Partly Cloudy
F26	10 Aug 2016	Visibility (mi)	12
F26	10 Aug 2016	Wind Speed (kts)	7
F26	10 Aug 2016	Wind Dir	S
F26	10 Aug 2016	Water Color	Bluish-Green
F26	10 Aug 2016	Wave Ht Low (ft)	3
F26	10 Aug 2016	Wave Period (sec)	9
F26	10 Aug 2016	Sea State	Light chop
F26	10 Aug 2016	High Tide (ft)	4.35
F26	10 Aug 2016	High Tide Time	1538
F26	10 Aug 2016	Low Tide (ft)	2.14
F26	10 Aug 2016	Low Tide Time	839
F26	10 Aug 2016	Comments	
F27	10 Aug 2016	Depth (m)	99
F27	10 Aug 2016	Arrive Time	1157
F27	10 Aug 2016	Depart Time	1204
F27	10 Aug 2016	Air Temp (C)	20
F27	10 Aug 2016	Weather	Partly Cloudy
F27	10 Aug 2016	Visibility (mi)	12
F27	10 Aug 2016	Wind Speed (kts)	6
F27	10 Aug 2016	Wind Dir	SE
F27	10 Aug 2016	Water Color	Bluish-Green
F27	10 Aug 2016	Wave Ht Low (ft)	3
F27	10 Aug 2016	Wave Period (sec)	9
F27	10 Aug 2016	Sea State	Light chop
F27	10 Aug 2016	High Tide (ft)	4.35
F27	10 Aug 2016	High Tide Time	1538
F27	10 Aug 2016	Low Tide (ft)	2.14
F27	10 Aug 2016	Low Tide Time	839
F27	10 Aug 2016	Comments	
F28	10 Aug 2016	Depth (m)	99
F28	10 Aug 2016	Arrive Time	1136
F28	10 Aug 2016	Depart Time	1145
F28	10 Aug 2016	Air Temp (C)	21
F28	10 Aug 2016	Weather	Partly Cloudy
F28	10 Aug 2016	Visibility (mi)	12
F28	10 Aug 2016	Wind Speed (kts)	5
F28	10 Aug 2016	Wind Dir	N
F28	10 Aug 2016	Water Color	Bluish-Green
F28	10 Aug 2016	Wave Ht Low (ft)	3
F28	10 Aug 2016	Wave Period (sec)	9
F28	10 Aug 2016	Sea State	Light chop
F28	10 Aug 2016	High Tide (ft)	4.35
F28	10 Aug 2016	High Tide Time	1538
F28	10 Aug 2016	Low Tide (ft)	2.14
F28	10 Aug 2016	Low Tide Time	839
F28	10 Aug 2016	Comments	
F29	10 Aug 2016	Depth (m)	98
F29	10 Aug 2016	Arrive Time	1117
F29	10 Aug 2016	Depart Time	1130
F29	10 Aug 2016	Air Temp (C)	20
F29	10 Aug 2016	Weather	Partly Cloudy

Station	Date	Parameter	Value
F29	10 Aug 2016	Visibility (mi)	12
F29	10 Aug 2016	Wind Speed (kts)	10
F29	10 Aug 2016	Wind Dir	SE
F29	10 Aug 2016	Water Color	Bluish-Green
F29	10 Aug 2016	Wave Ht Low (ft)	3
F29	10 Aug 2016	Wave Period (sec)	9
F29	10 Aug 2016	Sea State	Light chop
F29	10 Aug 2016	High Tide (ft)	4.35
F29	10 Aug 2016	High Tide Time	1538
F29	10 Aug 2016	Low Tide (ft)	2.14
F29	10 Aug 2016	Low Tide Time	839
F29	10 Aug 2016	Comments	
F30	10 Aug 2016	Depth (m)	98
F30	10 Aug 2016	Arrive Time	1059
F30	10 Aug 2016	Depart Time	1107
F30	10 Aug 2016	Air Temp (C)	20
F30	10 Aug 2016	Weather	Partly Cloudy
F30	10 Aug 2016	Visibility (mi)	12
F30	10 Aug 2016	Wind Speed (kts)	6
F30	10 Aug 2016	Wind Dir	NW
F30	10 Aug 2016	Water Color	Bluish-Green
F30	10 Aug 2016	Wave Ht Low (ft)	3
F30	10 Aug 2016	Wave Period (sec)	9
F30	10 Aug 2016	Sea State	Light chop
F30	10 Aug 2016	High Tide (ft)	4.35
F30	10 Aug 2016	High Tide Time	1538
F30	10 Aug 2016	Low Tide (ft)	2.14
F30	10 Aug 2016	Low Tide Time	839
F30	10 Aug 2016	Comments	
F31	10 Aug 2016	Depth (m)	99
F31	10 Aug 2016	Arrive Time	1041
F31	10 Aug 2016	Depart Time	1050
F31	10 Aug 2016	Air Temp (C)	21
F31	10 Aug 2016	Weather	Partly Cloudy
F31	10 Aug 2016	Visibility (mi)	12
F31	10 Aug 2016	Wind Speed (kts)	5
F31	10 Aug 2016	Wind Dir	S
F31	10 Aug 2016	Water Color	Bluish-Green
F31	10 Aug 2016	Wave Ht Low (ft)	3
F31	10 Aug 2016	Wave Period (sec)	9
F31	10 Aug 2016	Sea State	Light chop
F31	10 Aug 2016	High Tide (ft)	4.35
F31	10 Aug 2016	High Tide Time	1538
F31	10 Aug 2016	Low Tide (ft)	2.14
F31	10 Aug 2016	Low Tide Time	839
F31	10 Aug 2016	Comments	
F32	10 Aug 2016	Depth (m)	100
F32	10 Aug 2016	Arrive Time	1025
F32	10 Aug 2016	Depart Time	1033
F32	10 Aug 2016	Air Temp (C)	21
F32	10 Aug 2016	Weather	Partly Cloudy
F32	10 Aug 2016	Visibility (mi)	12

Station	Date	Parameter	Value
F32	10 Aug 2016	Wind Speed (kts)	3
F32	10 Aug 2016	Wind Dir	NE
F32	10 Aug 2016	Water Color	Bluish-Green
F32	10 Aug 2016	Wave Ht Low (ft)	3
F32	10 Aug 2016	Wave Period (sec)	9
F32	10 Aug 2016	Sea State	Wind ripples
F32	10 Aug 2016	High Tide (ft)	4.35
F32	10 Aug 2016	High Tide Time	1538
F32	10 Aug 2016	Low Tide (ft)	2.14
F32	10 Aug 2016	Low Tide Time	839
F32	10 Aug 2016	Comments	
F33	10 Aug 2016	Depth (m)	100
F33	10 Aug 2016	Arrive Time	1007
F33	10 Aug 2016	Depart Time	1016
F33	10 Aug 2016	Air Temp (C)	21
F33	10 Aug 2016	Weather	Partly Cloudy
F33	10 Aug 2016	Visibility (mi)	12
F33	10 Aug 2016	Wind Speed (kts)	3
F33	10 Aug 2016	Wind Dir	W
F33	10 Aug 2016	Water Color	Bluish-Green
F33	10 Aug 2016	Wave Ht Low (ft)	3
F33	10 Aug 2016	Wave Period (sec)	9
F33	10 Aug 2016	Sea State	Wind ripples
F33	10 Aug 2016	High Tide (ft)	4.35
F33	10 Aug 2016	High Tide Time	1538
F33	10 Aug 2016	Low Tide (ft)	2.14
F33	10 Aug 2016	Low Tide Time	839
F33	10 Aug 2016	Comments	
F34	10 Aug 2016	Depth (m)	100
F34	10 Aug 2016	Arrive Time	950
F34	10 Aug 2016	Depart Time	957
F34	10 Aug 2016	Air Temp (C)	21
F34	10 Aug 2016	Weather	Partly Cloudy
F34	10 Aug 2016	Visibility (mi)	12
F34	10 Aug 2016	Wind Speed (kts)	5
F34	10 Aug 2016	Wind Dir	W
F34	10 Aug 2016	Water Color	Bluish-Green
F34	10 Aug 2016	Wave Ht Low (ft)	3
F34	10 Aug 2016	Wave Period (sec)	9
F34	10 Aug 2016	Sea State	Wind ripples
F34	10 Aug 2016	High Tide (ft)	4.35
F34	10 Aug 2016	High Tide Time	1538
F34	10 Aug 2016	Low Tide (ft)	2.14
F34	10 Aug 2016	Low Tide Time	839
F34	10 Aug 2016	Comments	
F35	10 Aug 2016	Depth (m)	99
F35	10 Aug 2016	Arrive Time	932
F35	10 Aug 2016	Depart Time	944
F35	10 Aug 2016	Air Temp (C)	21
F35	10 Aug 2016	Weather	Partly Cloudy
F35	10 Aug 2016	Visibility (mi)	12
F35	10 Aug 2016	Wind Speed (kts)	7

Station	Date	Parameter	Value
F35	10 Aug 2016	Wind Dir	SE
F35	10 Aug 2016	Water Color	Bluish-Green
F35	10 Aug 2016	Wave Ht Low (ft)	3
F35	10 Aug 2016	Wave Period (sec)	9
F35	10 Aug 2016	Sea State	Wind ripples
F35	10 Aug 2016	High Tide (ft)	4.35
F35	10 Aug 2016	High Tide Time	1538
F35	10 Aug 2016	Low Tide (ft)	2.14
F35	10 Aug 2016	Low Tide Time	839
F35	10 Aug 2016	Comments	
F36	10 Aug 2016	Depth (m)	98
F36	10 Aug 2016	Arrive Time	909
F36	10 Aug 2016	Depart Time	927
F36	10 Aug 2016	Air Temp (C)	21
F36	10 Aug 2016	Weather	Partly Cloudy
F36	10 Aug 2016	Visibility (mi)	12
F36	10 Aug 2016	Wind Speed (kts)	7
F36	10 Aug 2016	Wind Dir	SW
F36	10 Aug 2016	Water Color	Bluish-Green
F36	10 Aug 2016	Wave Ht Low (ft)	3
F36	10 Aug 2016	Wave Period (sec)	9
F36	10 Aug 2016	Sea State	Wind ripples
F36	10 Aug 2016	High Tide (ft)	4.35
F36	10 Aug 2016	High Tide Time	1538
F36	10 Aug 2016	Low Tide (ft)	2.14
F36	10 Aug 2016	Low Tide Time	839
F36	10 Aug 2016	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	08 Aug 2016	1	21.25	76.13	7.4	33.57	8.2	23.3	3.25
F01	08 Aug 2016	2	21.18	75.86	7.1	33.57	8.2	23.4	3.70
F01	08 Aug 2016	3	21.00	75.20	6.8	33.55	8.2	23.4	3.61
F01	08 Aug 2016	4	20.57	74.97	6.6	33.55	8.2	23.5	3.46
F01	08 Aug 2016	5	20.35	75.79	6.5	33.51	8.2	23.5	3.35
F01	08 Aug 2016	6	19.49	77.53	6.7	33.46	8.1	23.7	2.92
F01	08 Aug 2016	7	18.47	78.93	7.0	33.39	8.1	23.9	2.42
F01	08 Aug 2016	8	17.45	81.27	7.2	33.38	8.1	24.2	2.20
F01	08 Aug 2016	9	16.94	82.52	7.2	33.36	8.1	24.3	1.99
F01	08 Aug 2016	10	16.67	83.40	7.2	33.36	8.1	24.3	1.59
F01	08 Aug 2016	11	16.56	83.66	7.1	33.35	8.1	24.4	1.43
F01	08 Aug 2016	12	16.22	84.43	7.1	33.33	8.1	24.4	1.28
F01	08 Aug 2016	13	15.90	85.30	7.0	33.35	8.1	24.5	1.12
F01	08 Aug 2016	14	15.71	85.61	6.8	33.34	8.1	24.5	1.00
F01	08 Aug 2016	15	15.57	85.64	6.8	33.34	8.1	24.6	0.91
F01	08 Aug 2016	16	15.37	85.54	6.8	33.34	8.1	24.6	0.90
F01	08 Aug 2016	17	15.09	85.80	6.8	33.34	8.1	24.7	0.81
F01	08 Aug 2016	18	14.89	86.21	6.8	33.34	8.1	24.7	0.76
F01	08 Aug 2016	19	14.73	86.39	6.8	33.34	8.1	24.7	0.77
F01	08 Aug 2016	20	14.69	86.22	6.9	33.34	8.1	24.8	0.81
F02	08 Aug 2016	1	22.04	71.20	8.0	33.59	8.3	23.1	4.67
F02	08 Aug 2016	2	22.06	71.09	7.9	33.59	8.3	23.1	4.43
F02	08 Aug 2016	3	21.82	70.50	7.8	33.57	8.3	23.2	3.99
F02	08 Aug 2016	4	21.43	73.44	7.7	33.54	8.2	23.3	3.92
F02	08 Aug 2016	5	20.91	75.23	7.6	33.52	8.2	23.4	3.74
F02	08 Aug 2016	6	20.44	76.61	7.8	33.48	8.2	23.5	3.54
F02	08 Aug 2016	7	19.35	77.84	7.9	33.47	8.2	23.8	3.23
F02	08 Aug 2016	8	19.19	80.19	8.1	33.44	8.2	23.8	3.12
F02	08 Aug 2016	9	18.11	81.47	8.0	33.42	8.2	24.0	2.65
F02	08 Aug 2016	10	18.02	81.87	7.6	33.40	8.2	24.0	2.40
F02	08 Aug 2016	11	17.70	82.21	7.6	33.39	8.2	24.1	2.30
F02	08 Aug 2016	12	17.44	82.91	7.5	33.40	8.2	24.2	2.14
F02	08 Aug 2016	13	17.38	82.98	7.2	33.39	8.2	24.2	1.94
F02	08 Aug 2016	14	17.29	83.05	7.0	33.39	8.1	24.2	1.91
F02	08 Aug 2016	15	17.04	83.05	6.8	33.39	8.1	24.3	1.43
F02	08 Aug 2016	16	16.99	82.93	6.4	33.38	8.1	24.3	0.98
F02	08 Aug 2016	17	16.10	82.24	6.5	33.32	8.1	24.4	0.88
F02	08 Aug 2016	18	15.28	82.98	6.8	33.34	8.1	24.6	1.00
F02	08 Aug 2016	19	15.03	82.97	7.1	33.34	8.1	24.7	1.18
F03	08 Aug 2016	1	22.41	75.47	8.0	33.62	8.3	23.1	3.34
F03	08 Aug 2016	2	22.41	75.58	7.9	33.62	8.3	23.1	3.58
F03	08 Aug 2016	3	22.40	74.95	7.5	33.61	8.3	23.1	3.53
F03	08 Aug 2016	4	22.00	75.48	7.4	33.57	8.3	23.1	3.76
F03	08 Aug 2016	5	21.42	76.62	7.5	33.54	8.2	23.3	3.86
F03	08 Aug 2016	6	20.98	75.79	7.3	33.52	8.2	23.4	3.73
F03	08 Aug 2016	7	20.38	76.09	7.1	33.47	8.2	23.5	3.41
F03	08 Aug 2016	8	19.15	77.27	7.0	33.44	8.2	23.8	3.26
F03	08 Aug 2016	9	18.39	78.40	7.1	33.40	8.2	23.9	2.62
F03	08 Aug 2016	10	17.75	78.67	7.1	33.41	8.2	24.1	1.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F03	08 Aug 2016	11	17.75	79.79	7.1	33.37	8.1	24.1	1.56
F03	08 Aug 2016	12	16.82	82.24	7.3	33.35	8.1	24.3	1.56
F03	08 Aug 2016	13	16.54	84.01	7.3	33.36	8.1	24.4	1.48
F03	08 Aug 2016	14	16.34	84.90	7.2	33.35	8.1	24.4	1.44
F03	08 Aug 2016	15	16.29	84.82	7.0	33.36	8.1	24.4	1.25
F03	08 Aug 2016	16	16.16	84.67	6.8	33.35	8.1	24.4	1.03
F03	08 Aug 2016	17	15.97	85.05	6.7	33.34	8.1	24.5	0.97
F03	08 Aug 2016	18	15.43	85.59	6.9	33.32	8.1	24.6	0.97
F03	08 Aug 2016	19	15.05	85.67	7.1	33.34	8.1	24.7	1.09
F04	08 Aug 2016	2	22.77	83.04	8.3	33.62	8.3	23.0	1.40
F04	08 Aug 2016	3	22.72	83.12	8.3	33.62	8.3	23.0	1.49
F04	08 Aug 2016	4	22.67	83.21	8.4	33.61	8.3	23.0	1.52
F04	08 Aug 2016	5	22.41	83.48	8.4	33.59	8.3	23.0	1.57
F04	08 Aug 2016	6	22.29	83.76	8.4	33.59	8.3	23.1	1.72
F04	08 Aug 2016	7	22.13	83.97	8.5	33.56	8.3	23.1	1.86
F04	08 Aug 2016	8	21.28	83.85	8.4	33.51	8.3	23.3	1.98
F04	08 Aug 2016	9	21.05	83.00	8.4	33.50	8.3	23.3	2.17
F04	08 Aug 2016	10	19.28	83.84	8.7	33.38	8.3	23.7	2.36
F04	08 Aug 2016	11	18.72	83.85	8.6	33.42	8.2	23.9	2.29
F04	08 Aug 2016	12	18.41	83.81	8.8	33.38	8.2	23.9	2.06
F04	08 Aug 2016	13	17.58	84.76	8.9	33.37	8.2	24.1	2.12
F04	08 Aug 2016	14	17.18	85.84	8.7	33.36	8.2	24.2	2.16
F04	08 Aug 2016	15	16.51	86.09	8.7	33.33	8.2	24.3	2.21
F04	08 Aug 2016	16	16.17	86.35	8.7	33.30	8.2	24.4	2.27
F04	08 Aug 2016	17	15.63	86.54	8.8	33.29	8.2	24.5	2.16
F04	08 Aug 2016	18	15.45	86.53	8.8	33.28	8.2	24.6	2.28
F04	08 Aug 2016	19	15.58	86.78	8.5	33.29	8.2	24.5	2.27
F04	08 Aug 2016	20	15.10	86.88	8.3	33.26	8.2	24.6	2.35
F04	08 Aug 2016	21	14.84	86.99	8.1	33.26	8.2	24.7	2.22
F04	08 Aug 2016	22	14.60	87.21	8.1	33.27	8.2	24.7	2.25
F04	08 Aug 2016	23	14.50	86.99	8.1	33.29	8.2	24.8	2.11
F04	08 Aug 2016	24	14.48	87.01	7.9	33.30	8.2	24.8	2.01
F04	08 Aug 2016	25	14.42	87.15	7.2	33.31	8.1	24.8	1.95
F04	08 Aug 2016	26	14.25	87.12	6.9	33.29	8.1	24.8	1.92
F04	08 Aug 2016	27	13.81	87.12	7.1	33.31	8.1	24.9	1.96
F04	08 Aug 2016	28	13.75	87.25	7.2	33.32	8.1	24.9	1.99
F04	08 Aug 2016	29	13.85	87.35	6.8	33.31	8.1	24.9	2.10
F04	08 Aug 2016	30	13.58	87.47	6.9	33.32	8.1	25.0	2.00
F04	08 Aug 2016	31	13.43	87.08	7.0	33.33	8.1	25.0	1.92
F04	08 Aug 2016	32	13.54	87.10	6.8	33.32	8.1	25.0	1.64
F04	08 Aug 2016	33	13.37	87.38	6.8	33.33	8.1	25.0	1.45
F04	08 Aug 2016	34	13.33	87.82	6.7	33.33	8.1	25.0	1.25
F04	08 Aug 2016	35	13.26	88.05	6.7	33.33	8.0	25.0	1.16
F04	08 Aug 2016	36	13.09	88.41	6.6	33.32	8.0	25.1	1.03
F04	08 Aug 2016	37	12.95	88.88	6.6	33.33	8.0	25.1	0.85
F04	08 Aug 2016	38	12.85	89.06	6.6	33.32	8.0	25.1	0.77
F04	08 Aug 2016	39	12.80	89.17	6.5	33.33	8.0	25.1	0.75
F04	08 Aug 2016	40	12.79	89.24	6.5	33.33	8.0	25.1	0.70
F04	08 Aug 2016	41	12.75	89.29	6.3	33.34	8.0	25.2	0.61
F04	08 Aug 2016	42	12.68	89.28	6.2	33.35	8.0	25.2	0.60
F04	08 Aug 2016	43	12.63	89.28	6.2	33.37	8.0	25.2	0.60
F04	08 Aug 2016	44	12.61	89.29	6.2	33.37	8.0	25.2	0.58
F04	08 Aug 2016	45	12.60	89.31	6.2	33.37	8.0	25.2	0.56
F04	08 Aug 2016	46	12.59	89.29	6.2	33.37	8.0	25.2	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F04	08 Aug 2016	47	12.58	89.30	6.1	33.37	8.0	25.2	0.55
F04	08 Aug 2016	48	12.52	89.30	6.0	33.38	8.0	25.2	0.54
F04	08 Aug 2016	49	12.50	89.11	5.9	33.38	8.0	25.2	0.52
F04	08 Aug 2016	50	12.48	88.84	5.8	33.39	8.0	25.2	0.49
F04	08 Aug 2016	51	12.47	88.53	5.7	33.39	8.0	25.3	0.48
F04	08 Aug 2016	52	12.45	87.68	5.8	33.40	8.0	25.3	0.47
F04	08 Aug 2016	53	12.45	87.40	5.7	33.40	8.0	25.3	0.47
F04	08 Aug 2016	54	12.45	87.27	5.7	33.41	7.9	25.3	0.45
F04	08 Aug 2016	55	12.43	87.18	5.7	33.41	7.9	25.3	0.45
F04	08 Aug 2016	56	12.39	87.03	5.7	33.41	7.9	25.3	0.45
F04	08 Aug 2016	57	12.38	87.03	5.7	33.41	7.9	25.3	0.44
F04	08 Aug 2016	58	12.37	87.11	5.5	33.41	7.9	25.3	0.44
F04	08 Aug 2016	59	12.34	86.96	5.3	33.41	7.9	25.3	0.44
F04	08 Aug 2016	60	12.22	84.82	5.3	33.42	7.9	25.3	0.45
F04	08 Aug 2016	61	12.17	82.50	5.5	33.43	7.9	25.3	0.43
F05	08 Aug 2016	1	22.79	82.70	8.4	33.64	8.3	23.0	1.58
F05	08 Aug 2016	2	22.76	82.70	8.4	33.63	8.3	23.0	1.66
F05	08 Aug 2016	3	22.69	82.67	8.4	33.63	8.3	23.0	1.71
F05	08 Aug 2016	4	22.64	82.71	8.4	33.62	8.3	23.0	1.72
F05	08 Aug 2016	5	22.56	82.94	8.3	33.62	8.3	23.0	1.75
F05	08 Aug 2016	6	22.40	83.12	8.3	33.59	8.3	23.0	1.80
F05	08 Aug 2016	7	22.11	83.29	8.3	33.57	8.3	23.1	1.90
F05	08 Aug 2016	8	21.74	83.31	8.4	33.52	8.3	23.2	2.08
F05	08 Aug 2016	9	20.70	83.60	8.4	33.43	8.3	23.4	2.24
F05	08 Aug 2016	10	19.47	83.98	8.5	33.41	8.3	23.7	2.35
F05	08 Aug 2016	11	18.66	83.90	8.5	33.40	8.2	23.9	2.46
F05	08 Aug 2016	12	18.49	83.62	8.3	33.41	8.2	23.9	2.43
F05	08 Aug 2016	13	18.47	83.63	8.0	33.40	8.2	23.9	2.24
F05	08 Aug 2016	14	18.20	83.56	8.1	33.38	8.2	24.0	2.17
F05	08 Aug 2016	15	17.78	84.11	8.2	33.34	8.2	24.1	2.13
F05	08 Aug 2016	16	16.92	85.34	8.4	33.35	8.2	24.3	2.15
F05	08 Aug 2016	17	16.80	85.59	8.6	33.35	8.2	24.3	2.27
F05	08 Aug 2016	18	16.58	85.71	8.6	33.32	8.2	24.3	2.19
F05	08 Aug 2016	19	16.19	86.09	8.5	33.32	8.2	24.4	2.14
F05	08 Aug 2016	20	15.96	86.15	8.3	33.31	8.2	24.5	2.21
F05	08 Aug 2016	21	15.66	86.36	8.2	33.31	8.2	24.5	2.11
F05	08 Aug 2016	22	15.30	86.61	8.0	33.28	8.2	24.6	1.91
F05	08 Aug 2016	23	14.90	86.77	7.8	33.27	8.2	24.7	1.99
F05	08 Aug 2016	24	14.70	86.89	7.7	33.28	8.2	24.7	2.03
F05	08 Aug 2016	25	14.44	87.14	7.5	33.28	8.2	24.8	2.17
F05	08 Aug 2016	26	14.31	87.05	7.1	33.29	8.1	24.8	2.22
F05	08 Aug 2016	27	14.20	86.88	6.9	33.29	8.1	24.8	2.30
F05	08 Aug 2016	28	13.88	86.82	6.8	33.29	8.1	24.9	2.28
F05	08 Aug 2016	29	13.70	86.94	6.9	33.30	8.1	24.9	2.36
F05	08 Aug 2016	30	13.64	86.81	7.0	33.30	8.1	24.9	2.65
F05	08 Aug 2016	31	13.58	86.62	6.9	33.30	8.1	25.0	3.36
F05	08 Aug 2016	32	13.55	86.79	6.9	33.30	8.1	25.0	3.32
F05	08 Aug 2016	33	13.50	86.62	6.8	33.30	8.1	25.0	2.59
F05	08 Aug 2016	34	13.39	85.63	6.8	33.30	8.1	25.0	2.17
F05	08 Aug 2016	35	13.34	85.23	6.7	33.30	8.1	25.0	1.91
F05	08 Aug 2016	36	13.21	86.43	6.7	33.30	8.1	25.0	1.60
F05	08 Aug 2016	37	13.12	87.32	6.7	33.31	8.0	25.1	1.31
F05	08 Aug 2016	38	13.07	87.75	6.6	33.31	8.0	25.1	0.96
F05	08 Aug 2016	39	12.99	88.06	6.5	33.31	8.0	25.1	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F05	08 Aug 2016	40	12.86	88.62	6.5	33.31	8.0	25.1	0.71
F05	08 Aug 2016	41	12.80	89.02	6.4	33.31	8.0	25.1	0.66
F05	08 Aug 2016	42	12.74	89.19	6.4	33.32	8.0	25.1	0.64
F05	08 Aug 2016	43	12.68	89.28	6.4	33.33	8.0	25.2	0.61
F05	08 Aug 2016	44	12.64	89.35	6.4	33.33	8.0	25.2	0.61
F05	08 Aug 2016	45	12.63	89.33	6.3	33.34	8.0	25.2	0.61
F05	08 Aug 2016	46	12.61	89.37	6.2	33.34	8.0	25.2	0.56
F05	08 Aug 2016	47	12.59	89.35	6.2	33.34	8.0	25.2	0.54
F05	08 Aug 2016	48	12.58	89.35	6.1	33.35	8.0	25.2	0.55
F05	08 Aug 2016	49	12.56	89.32	6.0	33.35	8.0	25.2	0.54
F05	08 Aug 2016	50	12.48	89.26	6.1	33.36	8.0	25.2	0.50
F05	08 Aug 2016	51	12.46	89.30	6.0	33.37	8.0	25.2	0.48
F05	08 Aug 2016	52	12.41	89.39	5.8	33.36	8.0	25.2	0.43
F05	08 Aug 2016	53	12.37	89.39	5.6	33.37	8.0	25.3	0.41
F05	08 Aug 2016	54	12.35	88.89	5.4	33.38	8.0	25.3	0.39
F05	08 Aug 2016	55	12.31	87.85	5.4	33.39	8.0	25.3	0.39
F05	08 Aug 2016	56	12.28	87.02	5.3	33.39	8.0	25.3	0.41
F05	08 Aug 2016	57	12.25	86.59	5.3	33.40	7.9	25.3	0.39
F05	08 Aug 2016	58	12.19	85.63	5.3	33.40	7.9	25.3	0.41
F05	08 Aug 2016	59	12.17	85.15	5.3	33.41	7.9	25.3	0.40
F05	08 Aug 2016	60	12.16	84.32	5.3	33.40	7.9	25.3	0.40
F05	08 Aug 2016	61	12.13	82.85	5.3	33.41	7.9	25.3	0.40
F06	08 Aug 2016	1	22.89	81.54	8.4	33.64	8.3	22.9	2.00
F06	08 Aug 2016	2	22.86	81.39	8.3	33.64	8.3	22.9	2.27
F06	08 Aug 2016	3	22.83	81.28	8.0	33.63	8.3	22.9	2.21
F06	08 Aug 2016	4	22.69	81.02	8.0	33.61	8.3	23.0	2.07
F06	08 Aug 2016	5	21.75	80.22	8.4	33.50	8.3	23.1	1.91
F06	08 Aug 2016	6	20.08	81.85	8.8	33.46	8.3	23.6	1.97
F06	08 Aug 2016	7	19.64	83.77	8.8	33.42	8.3	23.6	2.10
F06	08 Aug 2016	8	18.72	85.15	8.2	33.39	8.3	23.9	2.03
F06	08 Aug 2016	9	18.46	84.76	7.4	33.41	8.2	23.9	1.95
F06	08 Aug 2016	10	18.22	84.17	7.2	33.33	8.2	23.9	1.89
F06	08 Aug 2016	11	16.90	84.39	7.4	33.32	8.2	24.2	1.92
F06	08 Aug 2016	12	16.64	85.03	7.3	33.34	8.2	24.3	1.97
F06	08 Aug 2016	13	16.40	85.46	7.4	33.32	8.2	24.4	2.08
F06	08 Aug 2016	14	16.23	85.44	7.6	33.33	8.2	24.4	2.08
F06	08 Aug 2016	15	16.09	85.36	7.9	33.32	8.1	24.4	2.21
F06	08 Aug 2016	16	15.81	85.68	8.1	33.31	8.1	24.5	2.20
F06	08 Aug 2016	17	15.52	86.06	8.1	33.32	8.1	24.6	2.17
F06	08 Aug 2016	18	15.34	86.32	7.8	33.31	8.2	24.6	2.10
F06	08 Aug 2016	19	15.10	86.36	7.7	33.30	8.2	24.6	2.14
F06	08 Aug 2016	20	14.72	86.57	7.6	33.30	8.2	24.7	2.21
F06	08 Aug 2016	21	14.52	86.67	7.6	33.30	8.1	24.8	2.06
F06	08 Aug 2016	22	14.41	86.68	7.6	33.30	8.1	24.8	1.85
F06	08 Aug 2016	23	14.37	86.60	7.4	33.31	8.1	24.8	1.77
F06	08 Aug 2016	24	14.30	86.69	7.2	33.30	8.1	24.8	1.80
F06	08 Aug 2016	25	14.13	86.98	7.1	33.30	8.1	24.8	1.72
F06	08 Aug 2016	26	13.94	87.16	7.1	33.30	8.1	24.9	1.80
F06	08 Aug 2016	27	13.87	87.09	7.0	33.31	8.1	24.9	1.88
F06	08 Aug 2016	28	13.83	87.15	6.8	33.31	8.1	24.9	2.02
F06	08 Aug 2016	29	13.74	87.05	6.8	33.31	8.1	24.9	2.40
F06	08 Aug 2016	30	13.61	87.07	6.6	33.31	8.1	25.0	2.88
F06	08 Aug 2016	31	13.50	86.97	6.6	33.32	8.1	25.0	3.12
F06	08 Aug 2016	32	13.39	86.91	6.6	33.32	8.1	25.0	2.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F06	08 Aug 2016	33	13.27	86.11	6.6	33.32	8.0	25.0	1.93
F06	08 Aug 2016	34	13.18	84.95	6.6	33.32	8.0	25.1	1.41
F06	08 Aug 2016	35	13.07	85.76	6.5	33.31	8.0	25.1	1.02
F06	08 Aug 2016	36	12.98	86.91	6.5	33.31	8.0	25.1	0.89
F06	08 Aug 2016	37	12.92	87.89	6.4	33.32	8.0	25.1	0.80
F06	08 Aug 2016	38	12.86	88.76	6.4	33.33	8.0	25.1	0.72
F06	08 Aug 2016	39	12.82	88.93	6.3	33.34	8.0	25.1	0.65
F06	08 Aug 2016	40	12.78	89.02	6.2	33.34	8.0	25.1	0.64
F06	08 Aug 2016	41	12.64	89.13	6.2	33.33	8.0	25.2	0.62
F06	08 Aug 2016	42	12.56	89.29	6.2	33.34	8.0	25.2	0.59
F06	08 Aug 2016	43	12.59	89.18	6.1	33.35	8.0	25.2	0.55
F06	08 Aug 2016	44	12.56	89.22	6.0	33.35	8.0	25.2	0.54
F06	08 Aug 2016	45	12.49	89.29	6.1	33.36	8.0	25.2	0.52
F06	08 Aug 2016	46	12.47	89.28	6.1	33.36	8.0	25.2	0.52
F06	08 Aug 2016	47	12.44	89.33	6.1	33.36	8.0	25.2	0.54
F06	08 Aug 2016	48	12.40	89.39	6.1	33.36	8.0	25.2	0.52
F06	08 Aug 2016	49	12.39	89.42	6.1	33.37	8.0	25.2	0.51
F06	08 Aug 2016	50	12.39	89.38	6.1	33.37	8.0	25.2	0.49
F06	08 Aug 2016	51	12.35	89.43	6.1	33.37	8.0	25.3	0.48
F06	08 Aug 2016	52	12.33	89.36	6.0	33.37	8.0	25.3	0.48
F06	08 Aug 2016	53	12.33	89.39	5.9	33.37	8.0	25.3	0.47
F06	08 Aug 2016	54	12.34	89.32	5.8	33.38	8.0	25.3	0.45
F06	08 Aug 2016	55	12.35	88.86	5.5	33.38	8.0	25.3	0.44
F06	08 Aug 2016	56	12.32	88.32	5.3	33.39	8.0	25.3	0.44
F06	08 Aug 2016	57	12.28	86.99	5.3	33.40	8.0	25.3	0.45
F06	08 Aug 2016	58	12.24	84.37	5.4	33.40	7.9	25.3	0.43
F06	08 Aug 2016	59	12.26	85.81	5.2	33.40	7.9	25.3	0.42
F06	08 Aug 2016	60	12.18	82.93	5.2	33.40	7.9	25.3	0.41
F06	08 Aug 2016	61	12.09	81.31	5.4	33.41	7.9	25.3	0.42
F07	08 Aug 2016	1	22.79	78.37	8.2	33.63	8.3	23.0	2.56
F07	08 Aug 2016	2	22.78	78.47	8.1	33.63	8.3	23.0	2.53
F07	08 Aug 2016	3	22.32	78.61	8.2	33.58	8.3	23.0	2.00
F07	08 Aug 2016	4	21.94	79.80	8.7	33.51	8.3	23.1	1.79
F07	08 Aug 2016	5	19.77	83.31	9.1	33.42	8.3	23.6	1.91
F07	08 Aug 2016	6	19.15	84.89	8.7	33.42	8.3	23.8	2.31
F07	08 Aug 2016	7	18.73	85.18	7.9	33.38	8.3	23.9	2.31
F07	08 Aug 2016	8	18.14	84.11	7.6	33.38	8.2	24.0	2.10
F07	08 Aug 2016	9	17.79	83.87	7.3	33.39	8.2	24.1	1.88
F07	08 Aug 2016	10	17.48	84.28	7.3	33.33	8.2	24.1	1.78
F07	08 Aug 2016	11	16.77	84.85	7.4	33.35	8.2	24.3	1.57
F07	08 Aug 2016	12	16.56	85.23	7.2	33.33	8.2	24.3	1.38
F07	08 Aug 2016	13	16.26	85.66	6.9	33.32	8.2	24.4	1.28
F07	08 Aug 2016	14	15.98	85.91	6.9	33.33	8.1	24.5	1.25
F07	08 Aug 2016	15	15.88	86.00	7.0	33.34	8.1	24.5	1.30
F07	08 Aug 2016	16	15.76	86.15	7.2	33.33	8.1	24.5	1.50
F07	08 Aug 2016	17	15.56	86.40	7.2	33.34	8.1	24.6	1.74
F07	08 Aug 2016	18	15.59	86.25	7.4	33.32	8.1	24.6	1.56
F07	08 Aug 2016	19	15.34	86.16	7.5	33.33	8.1	24.6	1.51
F07	08 Aug 2016	20	15.23	86.38	7.7	33.33	8.1	24.6	1.44
F07	08 Aug 2016	21	15.08	86.87	7.8	33.33	8.1	24.7	1.57
F07	08 Aug 2016	22	14.77	87.27	7.7	33.32	8.1	24.7	1.47
F07	08 Aug 2016	23	14.51	87.22	7.6	33.32	8.1	24.8	1.38
F07	08 Aug 2016	24	14.40	87.08	7.4	33.32	8.1	24.8	1.35
F07	08 Aug 2016	25	14.25	87.40	7.4	33.31	8.1	24.8	1.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F07	08 Aug 2016	26	14.12	87.47	7.2	33.33	8.1	24.9	1.48
F07	08 Aug 2016	27	14.17	87.46	7.0	33.31	8.1	24.8	1.61
F07	08 Aug 2016	28	13.85	87.47	7.0	33.33	8.1	24.9	1.88
F07	08 Aug 2016	29	13.80	87.30	6.9	33.34	8.1	24.9	1.95
F07	08 Aug 2016	30	13.74	86.91	6.8	33.33	8.1	24.9	1.95
F07	08 Aug 2016	31	13.62	86.80	6.8	33.33	8.1	25.0	1.85
F07	08 Aug 2016	32	13.56	86.82	6.7	33.33	8.1	25.0	1.78
F07	08 Aug 2016	33	13.47	86.87	6.7	33.33	8.0	25.0	1.46
F07	08 Aug 2016	34	13.42	86.89	6.6	33.34	8.0	25.0	1.32
F07	08 Aug 2016	35	13.26	87.38	6.5	33.34	8.0	25.1	0.96
F07	08 Aug 2016	36	13.21	88.00	6.4	33.34	8.0	25.1	0.72
F07	08 Aug 2016	37	12.97	88.56	6.4	33.33	8.0	25.1	0.63
F07	08 Aug 2016	38	12.78	89.04	6.4	33.33	8.0	25.1	0.62
F07	08 Aug 2016	39	12.73	89.23	6.4	33.34	8.0	25.2	0.59
F07	08 Aug 2016	40	12.68	89.30	6.4	33.34	8.0	25.2	0.55
F07	08 Aug 2016	41	12.68	89.30	6.3	33.34	8.0	25.2	0.54
F07	08 Aug 2016	42	12.63	89.36	6.2	33.34	8.0	25.2	0.50
F07	08 Aug 2016	43	12.58	89.37	6.2	33.35	8.0	25.2	0.48
F07	08 Aug 2016	44	12.54	89.33	6.2	33.35	8.0	25.2	0.49
F07	08 Aug 2016	45	12.53	89.28	6.2	33.36	8.0	25.2	0.48
F07	08 Aug 2016	46	12.53	89.31	6.2	33.36	8.0	25.2	0.46
F07	08 Aug 2016	47	12.52	89.28	6.1	33.37	8.0	25.2	0.46
F07	08 Aug 2016	48	12.51	89.25	6.0	33.37	8.0	25.2	0.44
F07	08 Aug 2016	49	12.50	89.10	5.9	33.37	8.0	25.2	0.42
F07	08 Aug 2016	50	12.50	88.23	5.8	33.38	8.0	25.2	0.42
F07	08 Aug 2016	51	12.46	88.05	5.6	33.38	8.0	25.2	0.41
F07	08 Aug 2016	52	12.42	87.61	5.6	33.39	8.0	25.3	0.42
F07	08 Aug 2016	53	12.41	85.95	5.6	33.40	8.0	25.3	0.41
F07	08 Aug 2016	54	12.41	85.72	5.6	33.40	8.0	25.3	0.40
F07	08 Aug 2016	55	12.39	85.33	5.6	33.40	7.9	25.3	0.41
F07	08 Aug 2016	56	12.37	85.24	5.6	33.40	7.9	25.3	0.40
F07	08 Aug 2016	57	12.35	85.47	5.6	33.40	7.9	25.3	0.40
F07	08 Aug 2016	58	12.31	85.34	5.5	33.40	7.9	25.3	0.38
F07	08 Aug 2016	59	12.28	85.07	5.3	33.40	7.9	25.3	0.37
F07	08 Aug 2016	60	12.22	84.40	5.2	33.40	7.9	25.3	0.39
F07	08 Aug 2016	61	12.06	84.89	5.2	33.41	7.9	25.3	0.39
F07	08 Aug 2016	62	11.99	81.84	5.2	33.42	7.9	25.4	0.38
F07	08 Aug 2016	63	11.96	79.14	5.3	33.42	7.9	25.4	0.37
F07	08 Aug 2016	64	11.98	77.39	5.3	33.43	7.9	25.4	0.38
F08	08 Aug 2016	1	22.82	74.14	8.2	33.63	8.3	22.9	2.46
F08	08 Aug 2016	2	22.82	78.26	8.2	33.63	8.3	22.9	2.70
F08	08 Aug 2016	3	22.81	78.69	8.1	33.63	8.3	22.9	2.69
F08	08 Aug 2016	4	22.70	78.64	7.8	33.60	8.3	23.0	2.44
F08	08 Aug 2016	5	22.10	79.26	7.7	33.55	8.3	23.1	2.34
F08	08 Aug 2016	6	21.09	80.37	8.0	33.45	8.3	23.3	2.59
F08	08 Aug 2016	7	19.22	81.91	8.1	33.43	8.3	23.8	2.51
F08	08 Aug 2016	8	18.67	83.11	7.6	33.39	8.2	23.9	2.13
F08	08 Aug 2016	9	17.97	83.48	7.4	33.36	8.2	24.0	1.91
F08	08 Aug 2016	10	17.09	83.61	7.5	33.33	8.2	24.2	1.69
F08	08 Aug 2016	11	16.65	84.78	7.5	33.34	8.2	24.3	1.59
F08	08 Aug 2016	12	16.55	85.41	7.3	33.33	8.2	24.3	1.47
F08	08 Aug 2016	13	16.39	85.59	7.3	33.32	8.2	24.4	1.33
F08	08 Aug 2016	14	16.09	85.64	7.3	33.30	8.1	24.4	1.32
F08	08 Aug 2016	15	15.73	86.24	7.3	33.31	8.1	24.5	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F08	08 Aug 2016	16	15.64	86.49	7.2	33.32	8.1	24.5	1.18
F08	08 Aug 2016	17	15.57	86.55	7.1	33.32	8.1	24.6	1.18
F08	08 Aug 2016	18	15.48	86.63	7.1	33.33	8.1	24.6	1.22
F08	08 Aug 2016	19	15.35	86.89	7.0	33.32	8.1	24.6	1.29
F08	08 Aug 2016	20	15.14	86.81	7.1	33.32	8.1	24.6	1.32
F08	08 Aug 2016	21	14.99	86.76	7.4	33.32	8.1	24.7	1.45
F08	08 Aug 2016	22	14.74	87.00	7.5	33.32	8.1	24.7	1.52
F08	08 Aug 2016	23	14.58	87.08	7.5	33.33	8.1	24.8	1.47
F08	08 Aug 2016	24	14.53	87.14	7.4	33.33	8.1	24.8	1.58
F08	08 Aug 2016	25	14.50	87.15	7.2	33.33	8.1	24.8	1.56
F08	08 Aug 2016	26	14.38	87.27	7.0	33.32	8.1	24.8	1.63
F08	08 Aug 2016	27	14.16	87.15	6.9	33.31	8.1	24.8	1.56
F08	08 Aug 2016	28	13.81	87.14	7.0	33.31	8.1	24.9	1.25
F08	08 Aug 2016	29	13.74	87.35	6.9	33.32	8.1	24.9	0.98
F08	08 Aug 2016	30	13.71	87.42	6.7	33.32	8.1	24.9	0.74
F08	08 Aug 2016	31	13.61	87.83	6.6	33.32	8.1	25.0	0.70
F08	08 Aug 2016	32	13.42	88.39	6.5	33.32	8.1	25.0	0.64
F08	08 Aug 2016	33	13.29	88.52	6.4	33.33	8.0	25.0	0.64
F08	08 Aug 2016	34	13.17	88.69	6.4	33.32	8.0	25.1	0.59
F08	08 Aug 2016	35	13.01	88.91	6.4	33.33	8.0	25.1	0.55
F08	08 Aug 2016	36	12.98	88.82	6.3	33.34	8.0	25.1	0.50
F08	08 Aug 2016	37	12.90	89.02	6.2	33.33	8.0	25.1	0.50
F08	08 Aug 2016	38	12.71	89.15	6.1	33.34	8.0	25.2	0.47
F08	08 Aug 2016	39	12.69	88.97	6.1	33.35	8.0	25.2	0.48
F08	08 Aug 2016	40	12.67	88.89	6.1	33.36	8.0	25.2	0.46
F08	08 Aug 2016	41	12.65	88.82	6.1	33.36	8.0	25.2	0.46
F08	08 Aug 2016	42	12.59	88.88	5.9	33.36	8.0	25.2	0.42
F08	08 Aug 2016	43	12.58	88.64	5.6	33.36	8.0	25.2	0.42
F08	08 Aug 2016	44	12.51	86.29	5.5	33.37	8.0	25.2	0.45
F08	08 Aug 2016	45	12.47	84.00	5.6	33.38	8.0	25.2	0.43
F08	08 Aug 2016	46	12.46	83.84	5.6	33.39	8.0	25.2	0.41
F08	08 Aug 2016	47	12.46	84.11	5.6	33.39	8.0	25.2	0.41
F08	08 Aug 2016	48	12.44	84.01	5.6	33.39	8.0	25.3	0.41
F08	08 Aug 2016	49	12.36	83.63	5.6	33.39	8.0	25.3	0.40
F08	08 Aug 2016	50	12.33	84.35	5.5	33.39	7.9	25.3	0.42
F08	08 Aug 2016	51	12.29	85.01	5.5	33.40	7.9	25.3	0.42
F08	08 Aug 2016	52	12.24	85.01	5.5	33.40	7.9	25.3	0.40
F08	08 Aug 2016	53	12.29	82.99	5.4	33.40	7.9	25.3	0.42
F08	08 Aug 2016	54	12.24	82.38	5.4	33.40	7.9	25.3	0.43
F08	08 Aug 2016	55	12.23	82.56	5.4	33.41	7.9	25.3	0.41
F08	08 Aug 2016	56	12.22	81.53	5.4	33.41	7.9	25.3	0.42
F08	08 Aug 2016	57	12.22	80.55	5.4	33.41	7.9	25.3	0.39
F08	08 Aug 2016	58	12.22	80.43	5.4	33.41	7.9	25.3	0.40
F08	08 Aug 2016	59	12.22	80.13	5.4	33.41	7.9	25.3	0.41
F08	08 Aug 2016	60	12.22	79.18	5.3	33.41	7.9	25.3	0.40
F08	08 Aug 2016	61	12.21	78.25	5.4	33.41	7.9	25.3	0.68
F09	08 Aug 2016	1	22.97	80.05	8.3	33.64	8.3	22.9	2.15
F09	08 Aug 2016	2	22.97	80.21	8.3	33.64	8.3	22.9	2.27
F09	08 Aug 2016	3	22.97	80.30	8.3	33.64	8.3	22.9	2.39
F09	08 Aug 2016	4	22.95	80.23	8.2	33.64	8.3	22.9	2.55
F09	08 Aug 2016	5	22.53	80.49	8.1	33.58	8.3	23.0	2.46
F09	08 Aug 2016	6	21.48	80.99	8.0	33.47	8.3	23.2	2.47
F09	08 Aug 2016	7	19.65	81.88	7.7	33.44	8.3	23.7	2.48
F09	08 Aug 2016	8	18.66	83.26	7.4	33.37	8.2	23.9	2.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F09	08 Aug 2016	9	17.72	83.41	7.5	33.37	8.2	24.1	2.01
F09	08 Aug 2016	10	17.34	84.28	7.8	33.37	8.2	24.2	1.69
F09	08 Aug 2016	11	16.73	85.06	8.0	33.33	8.2	24.3	1.61
F09	08 Aug 2016	12	16.51	85.44	8.0	33.32	8.2	24.3	1.55
F09	08 Aug 2016	13	16.28	85.99	7.6	33.34	8.2	24.4	1.45
F09	08 Aug 2016	14	16.22	86.38	7.2	33.31	8.2	24.4	1.37
F09	08 Aug 2016	15	15.87	86.35	7.1	33.32	8.2	24.5	1.30
F09	08 Aug 2016	16	15.77	86.28	7.2	33.33	8.1	24.5	1.22
F09	08 Aug 2016	17	15.63	86.46	7.4	33.32	8.1	24.5	1.15
F09	08 Aug 2016	18	15.34	86.94	7.4	33.32	8.1	24.6	1.17
F09	08 Aug 2016	19	15.23	87.23	7.4	33.33	8.1	24.6	1.17
F09	08 Aug 2016	20	15.15	87.33	7.3	33.33	8.1	24.7	1.14
F09	08 Aug 2016	21	15.09	87.36	7.1	33.33	8.1	24.7	1.09
F09	08 Aug 2016	22	14.87	87.37	7.0	33.33	8.1	24.7	1.08
F09	08 Aug 2016	23	14.73	87.43	7.1	33.33	8.1	24.7	1.08
F09	08 Aug 2016	24	14.61	87.39	7.1	33.33	8.1	24.8	1.03
F09	08 Aug 2016	25	14.55	87.53	7.1	33.34	8.1	24.8	1.03
F09	08 Aug 2016	26	14.52	87.61	7.2	33.34	8.1	24.8	1.00
F09	08 Aug 2016	27	14.39	87.61	7.2	33.34	8.1	24.8	0.95
F09	08 Aug 2016	28	14.34	87.70	7.1	33.34	8.1	24.8	0.93
F09	08 Aug 2016	29	14.31	87.75	7.0	33.34	8.1	24.8	0.91
F09	08 Aug 2016	30	14.17	87.89	6.8	33.34	8.1	24.9	0.84
F09	08 Aug 2016	31	14.02	87.94	6.6	33.34	8.1	24.9	0.79
F09	08 Aug 2016	32	13.87	88.03	6.5	33.34	8.1	24.9	0.73
F09	08 Aug 2016	33	13.69	87.94	6.4	33.34	8.1	25.0	0.64
F09	08 Aug 2016	34	13.50	87.96	6.3	33.35	8.0	25.0	0.64
F09	08 Aug 2016	35	13.39	88.07	6.3	33.34	8.0	25.0	0.57
F09	08 Aug 2016	36	13.20	87.95	6.2	33.35	8.0	25.1	0.56
F09	08 Aug 2016	37	13.15	87.84	6.1	33.35	8.0	25.1	0.56
F09	08 Aug 2016	38	13.11	87.79	6.0	33.35	8.0	25.1	0.55
F09	08 Aug 2016	39	13.03	87.58	6.0	33.35	8.0	25.1	0.52
F09	08 Aug 2016	40	12.91	87.23	6.1	33.36	8.0	25.1	0.54
F09	08 Aug 2016	41	12.87	86.96	6.1	33.37	8.0	25.2	0.52
F09	08 Aug 2016	42	12.84	87.82	6.0	33.37	8.0	25.2	0.48
F09	08 Aug 2016	43	12.78	88.00	5.8	33.37	8.0	25.2	0.46
F09	08 Aug 2016	44	12.72	87.76	5.7	33.37	8.0	25.2	0.44
F09	08 Aug 2016	45	12.66	87.19	5.6	33.38	8.0	25.2	0.42
F09	08 Aug 2016	46	12.57	86.35	5.6	33.38	8.0	25.2	0.41
F09	08 Aug 2016	47	12.46	85.61	5.6	33.38	8.0	25.2	0.41
F09	08 Aug 2016	48	12.42	85.16	5.6	33.39	8.0	25.3	0.41
F09	08 Aug 2016	49	12.40	85.44	5.6	33.39	8.0	25.3	0.41
F09	08 Aug 2016	50	12.39	85.37	5.6	33.39	7.9	25.3	0.41
F09	08 Aug 2016	51	12.37	85.12	5.7	33.39	7.9	25.3	0.42
F09	08 Aug 2016	52	12.36	85.21	5.6	33.40	7.9	25.3	0.42
F09	08 Aug 2016	53	12.36	85.19	5.6	33.40	7.9	25.3	0.40
F09	08 Aug 2016	54	12.36	85.12	5.6	33.40	7.9	25.3	0.44
F09	08 Aug 2016	55	12.36	85.13	5.6	33.40	7.9	25.3	0.40
F09	08 Aug 2016	56	12.36	84.98	5.6	33.40	7.9	25.3	0.42
F09	08 Aug 2016	57	12.35	84.78	5.5	33.40	7.9	25.3	0.41
F09	08 Aug 2016	58	12.34	84.02	5.5	33.40	7.9	25.3	0.42
F09	08 Aug 2016	59	12.34	83.03	5.5	33.41	7.9	25.3	0.43
F09	08 Aug 2016	60	12.34	82.39	5.5	33.41	7.9	25.3	0.41
F09	08 Aug 2016	61	12.34	81.59	5.5	33.41	7.9	25.3	0.40
F09	08 Aug 2016	62	12.34	81.42	5.5	33.41	7.9	25.3	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F10	08 Aug 2016	1	22.91	79.72	8.3	33.64	8.3	22.9	2.41
F10	08 Aug 2016	2	22.90	79.85	8.2	33.63	8.3	22.9	2.57
F10	08 Aug 2016	3	22.39	79.85	8.4	33.56	8.3	23.0	2.65
F10	08 Aug 2016	4	21.99	80.31	8.5	33.55	8.3	23.1	2.70
F10	08 Aug 2016	5	21.27	80.71	8.2	33.51	8.3	23.3	2.75
F10	08 Aug 2016	6	21.02	81.20	7.6	33.49	8.3	23.3	2.73
F10	08 Aug 2016	7	19.46	81.91	7.8	33.39	8.3	23.7	2.69
F10	08 Aug 2016	8	18.65	81.92	7.8	33.42	8.2	23.9	2.55
F10	08 Aug 2016	9	18.07	82.83	7.8	33.36	8.2	24.0	2.18
F10	08 Aug 2016	10	17.73	83.34	7.4	33.39	8.2	24.1	1.92
F10	08 Aug 2016	11	17.27	84.03	7.4	33.33	8.2	24.2	1.94
F10	08 Aug 2016	12	16.67	84.89	7.7	33.35	8.2	24.3	1.85
F10	08 Aug 2016	13	16.61	85.09	7.8	33.35	8.2	24.3	1.69
F10	08 Aug 2016	14	16.56	85.18	7.9	33.33	8.2	24.3	1.34
F10	08 Aug 2016	15	16.06	85.94	7.4	33.33	8.2	24.4	1.15
F10	08 Aug 2016	16	15.78	86.58	7.0	33.31	8.2	24.5	1.12
F10	08 Aug 2016	17	15.33	87.00	7.1	33.31	8.1	24.6	1.15
F10	08 Aug 2016	18	15.16	87.22	7.2	33.32	8.1	24.6	1.09
F10	08 Aug 2016	19	15.10	87.20	7.2	33.32	8.1	24.7	1.04
F10	08 Aug 2016	20	14.93	87.32	7.2	33.32	8.1	24.7	0.98
F10	08 Aug 2016	21	14.67	87.58	7.2	33.33	8.1	24.8	1.03
F10	08 Aug 2016	22	14.58	87.63	7.3	33.33	8.1	24.8	1.10
F10	08 Aug 2016	23	14.53	87.70	7.3	33.33	8.1	24.8	1.01
F10	08 Aug 2016	24	14.52	87.61	7.3	33.33	8.1	24.8	1.04
F10	08 Aug 2016	25	14.51	87.61	7.1	33.34	8.1	24.8	1.04
F10	08 Aug 2016	26	14.44	87.59	7.0	33.33	8.1	24.8	1.05
F10	08 Aug 2016	27	14.17	87.72	7.0	33.34	8.1	24.9	1.05
F10	08 Aug 2016	28	14.09	87.75	7.0	33.34	8.1	24.9	0.91
F10	08 Aug 2016	29	14.01	87.71	6.8	33.34	8.1	24.9	0.83
F10	08 Aug 2016	30	13.92	87.79	6.6	33.34	8.1	24.9	0.83
F10	08 Aug 2016	31	13.73	87.81	6.7	33.35	8.1	25.0	0.79
F10	08 Aug 2016	32	13.71	87.75	6.7	33.35	8.0	25.0	0.77
F10	08 Aug 2016	33	13.59	87.87	6.7	33.34	8.0	25.0	0.75
F10	08 Aug 2016	34	13.52	87.96	6.7	33.35	8.0	25.0	0.73
F10	08 Aug 2016	35	13.58	87.94	6.6	33.35	8.0	25.0	0.73
F10	08 Aug 2016	36	13.49	87.97	6.6	33.36	8.0	25.0	0.68
F10	08 Aug 2016	37	13.47	87.97	6.5	33.36	8.0	25.0	0.58
F10	08 Aug 2016	38	13.45	87.91	6.3	33.36	8.0	25.0	0.60
F10	08 Aug 2016	39	13.40	87.79	6.3	33.37	8.0	25.0	0.58
F10	08 Aug 2016	40	13.32	87.56	6.3	33.37	8.0	25.1	0.60
F10	08 Aug 2016	41	13.29	87.35	6.3	33.38	8.0	25.1	0.59
F10	08 Aug 2016	42	13.25	87.48	6.3	33.37	8.0	25.1	0.60
F10	08 Aug 2016	43	13.17	87.61	6.2	33.38	8.0	25.1	0.58
F10	08 Aug 2016	44	13.10	87.70	6.2	33.38	8.0	25.1	0.55
F10	08 Aug 2016	45	12.99	87.91	6.2	33.38	8.0	25.1	0.55
F10	08 Aug 2016	46	12.97	87.87	6.2	33.38	8.0	25.1	0.54
F10	08 Aug 2016	47	12.96	87.77	6.2	33.38	8.0	25.1	0.55
F10	08 Aug 2016	48	12.95	87.74	6.2	33.39	8.0	25.2	0.54
F10	08 Aug 2016	49	12.96	87.75	6.1	33.39	8.0	25.1	0.54
F10	08 Aug 2016	50	12.91	87.49	6.0	33.39	8.0	25.2	0.50
F10	08 Aug 2016	51	12.90	87.46	5.9	33.39	8.0	25.2	0.51
F10	08 Aug 2016	52	12.81	86.85	5.8	33.39	8.0	25.2	0.48
F10	08 Aug 2016	53	12.77	86.45	5.8	33.40	8.0	25.2	0.43
F10	08 Aug 2016	54	12.72	86.11	5.7	33.40	8.0	25.2	0.41
F10	08 Aug 2016	55	12.63	85.56	5.6	33.39	8.0	25.2	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F10	08 Aug 2016	56	12.54	84.66	5.7	33.40	7.9	25.2	0.44
F10	08 Aug 2016	57	12.56	84.86	5.7	33.40	7.9	25.2	0.40
F10	08 Aug 2016	58	12.54	84.56	5.6	33.40	7.9	25.2	0.41
F10	08 Aug 2016	59	12.53	84.39	5.5	33.40	7.9	25.2	0.39
F10	08 Aug 2016	60	12.50	84.09	5.5	33.40	7.9	25.3	0.41
F10	08 Aug 2016	61	12.47	82.91	5.6	33.41	7.9	25.3	0.42
F11	08 Aug 2016	1	23.04	78.61	8.2	33.65	8.3	22.9	2.22
F11	08 Aug 2016	2	23.04	79.31	8.2	33.65	8.3	22.9	2.26
F11	08 Aug 2016	3	23.04	79.48	8.2	33.65	8.3	22.9	2.83
F11	08 Aug 2016	4	23.03	79.37	7.9	33.64	8.3	22.9	3.24
F11	08 Aug 2016	5	22.46	78.54	7.7	33.57	8.3	23.0	2.91
F11	08 Aug 2016	6	22.08	78.23	7.8	33.57	8.3	23.1	2.61
F11	08 Aug 2016	7	21.32	78.86	8.2	33.47	8.3	23.2	2.63
F11	08 Aug 2016	8	20.26	80.84	8.2	33.47	8.3	23.5	2.73
F11	08 Aug 2016	9	19.35	82.61	8.0	33.37	8.3	23.7	2.78
F11	08 Aug 2016	10	18.09	83.52	7.9	33.40	8.2	24.0	2.71
F11	08 Aug 2016	11	17.90	83.24	7.7	33.39	8.2	24.1	2.34
F11	08 Aug 2016	12	17.81	83.06	7.4	33.39	8.2	24.1	2.18
F11	08 Aug 2016	13	17.81	83.20	7.2	33.39	8.2	24.1	2.05
F11	08 Aug 2016	14	17.40	83.28	7.4	33.31	8.2	24.1	1.94
F11	08 Aug 2016	15	16.66	84.47	7.6	33.34	8.2	24.3	1.92
F11	08 Aug 2016	16	16.56	84.88	7.7	33.35	8.2	24.3	1.94
F11	08 Aug 2016	17	16.51	85.00	7.8	33.34	8.2	24.4	1.77
F11	08 Aug 2016	18	16.39	85.25	7.8	33.33	8.1	24.4	1.60
F11	08 Aug 2016	19	16.02	85.67	7.5	33.32	8.2	24.5	1.54
F11	08 Aug 2016	20	15.76	86.17	7.5	33.33	8.2	24.5	1.54
F11	08 Aug 2016	21	15.68	86.40	7.7	33.33	8.1	24.5	1.45
F11	08 Aug 2016	22	15.51	86.64	8.0	33.33	8.1	24.6	1.41
F11	08 Aug 2016	23	15.38	86.90	8.0	33.33	8.1	24.6	1.41
F11	08 Aug 2016	24	15.30	86.83	7.9	33.33	8.1	24.6	1.41
F11	08 Aug 2016	25	15.20	86.78	7.8	33.33	8.1	24.6	1.47
F11	08 Aug 2016	26	15.17	86.80	7.7	33.34	8.1	24.7	1.54
F11	08 Aug 2016	27	15.10	86.84	7.6	33.33	8.1	24.7	1.67
F11	08 Aug 2016	28	14.83	86.82	7.6	33.33	8.1	24.7	1.71
F11	08 Aug 2016	29	14.54	86.77	7.6	33.33	8.1	24.8	1.64
F11	08 Aug 2016	30	14.37	86.78	7.5	33.33	8.1	24.8	1.51
F11	08 Aug 2016	31	14.28	86.76	7.3	33.33	8.1	24.8	1.48
F11	08 Aug 2016	32	14.13	87.02	7.1	33.33	8.1	24.9	1.29
F11	08 Aug 2016	33	14.09	87.17	6.7	33.33	8.1	24.9	1.03
F11	08 Aug 2016	34	13.84	87.10	6.7	33.32	8.1	24.9	0.87
F11	08 Aug 2016	35	13.65	87.56	6.7	33.34	8.1	25.0	0.82
F11	08 Aug 2016	36	13.60	87.99	6.7	33.34	8.1	25.0	0.75
F11	08 Aug 2016	37	13.55	88.05	6.5	33.35	8.0	25.0	0.67
F11	08 Aug 2016	38	13.51	88.01	6.5	33.35	8.0	25.0	0.67
F11	08 Aug 2016	39	13.42	87.85	6.5	33.36	8.0	25.0	0.68
F11	08 Aug 2016	40	13.39	87.53	6.5	33.37	8.0	25.0	0.68
F11	08 Aug 2016	41	13.39	87.56	6.5	33.37	8.0	25.1	0.66
F11	08 Aug 2016	42	13.39	87.54	6.5	33.37	8.0	25.1	0.66
F11	08 Aug 2016	43	13.37	87.50	6.5	33.37	8.0	25.1	0.67
F11	08 Aug 2016	44	13.37	87.50	6.5	33.38	8.0	25.1	0.65
F11	08 Aug 2016	45	13.37	87.50	6.5	33.38	8.0	25.1	0.65
F11	08 Aug 2016	46	13.37	87.39	6.5	33.38	8.0	25.1	0.68
F11	08 Aug 2016	47	13.37	87.45	6.4	33.38	8.0	25.1	0.60
F11	08 Aug 2016	48	13.38	87.44	6.2	33.38	8.0	25.1	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F11	08 Aug 2016	49	13.27	87.08	6.0	33.38	8.0	25.1	0.56
F11	08 Aug 2016	50	13.16	86.58	5.9	33.39	8.0	25.1	0.54
F11	08 Aug 2016	51	13.02	86.31	6.0	33.39	8.0	25.1	0.54
F11	08 Aug 2016	52	12.95	86.17	6.0	33.39	8.0	25.2	0.51
F11	08 Aug 2016	53	12.97	85.94	5.9	33.39	8.0	25.2	0.50
F11	08 Aug 2016	54	12.84	85.78	5.9	33.39	8.0	25.2	0.49
F11	08 Aug 2016	55	12.80	85.60	5.8	33.40	8.0	25.2	0.48
F11	08 Aug 2016	56	12.79	85.50	5.8	33.40	8.0	25.2	0.45
F11	08 Aug 2016	57	12.73	85.01	5.6	33.40	8.0	25.2	0.44
F11	08 Aug 2016	58	12.72	84.54	5.4	33.40	7.9	25.2	0.43
F11	08 Aug 2016	59	12.57	83.03	5.4	33.40	7.9	25.2	0.41
F11	08 Aug 2016	60	12.45	77.18	5.6	33.41	7.9	25.3	0.44
F12	08 Aug 2016	1	23.06	79.05	8.2	33.65	8.3	22.9	1.95
F12	08 Aug 2016	2	23.06	79.87	8.2	33.65	8.3	22.9	1.93
F12	08 Aug 2016	3	23.06	80.25	8.2	33.65	8.3	22.9	2.40
F12	08 Aug 2016	4	23.05	80.24	7.9	33.65	8.3	22.9	2.88
F12	08 Aug 2016	5	22.88	80.10	7.5	33.60	8.3	22.9	2.92
F12	08 Aug 2016	6	21.79	80.59	7.5	33.52	8.3	23.1	2.82
F12	08 Aug 2016	7	20.46	79.80	8.0	33.45	8.3	23.5	2.70
F12	08 Aug 2016	8	19.51	81.27	8.2	33.48	8.2	23.7	2.72
F12	08 Aug 2016	9	19.48	82.24	8.3	33.40	8.2	23.7	2.71
F12	08 Aug 2016	10	18.37	82.85	8.4	33.37	8.2	23.9	2.72
F12	08 Aug 2016	11	17.72	83.78	8.1	33.40	8.2	24.1	2.71
F12	08 Aug 2016	12	18.04	83.68	7.9	33.38	8.2	24.0	2.70
F12	08 Aug 2016	13	17.37	83.91	8.1	33.37	8.2	24.2	2.59
F12	08 Aug 2016	14	17.43	84.00	8.2	33.37	8.2	24.2	2.63
F12	08 Aug 2016	15	17.01	84.45	8.5	33.36	8.2	24.3	2.51
F12	08 Aug 2016	16	16.92	84.72	8.4	33.37	8.2	24.3	2.43
F12	08 Aug 2016	17	16.78	84.89	8.3	33.37	8.2	24.3	2.19
F12	08 Aug 2016	18	16.69	85.26	8.2	33.37	8.2	24.3	1.93
F12	08 Aug 2016	19	16.42	85.67	8.0	33.37	8.2	24.4	1.75
F12	08 Aug 2016	20	16.31	86.02	7.9	33.37	8.2	24.4	1.58
F12	08 Aug 2016	21	16.09	86.21	7.9	33.37	8.2	24.5	1.48
F12	08 Aug 2016	22	15.84	86.33	8.0	33.36	8.2	24.5	1.49
F12	08 Aug 2016	23	15.72	86.48	7.9	33.37	8.2	24.6	1.49
F12	08 Aug 2016	24	15.69	86.45	7.8	33.37	8.1	24.6	1.46
F12	08 Aug 2016	25	15.58	86.45	7.8	33.37	8.1	24.6	1.41
F12	08 Aug 2016	26	15.53	86.53	7.7	33.37	8.1	24.6	1.50
F12	08 Aug 2016	27	15.36	86.68	7.6	33.37	8.1	24.6	1.35
F12	08 Aug 2016	28	15.18	86.66	7.5	33.36	8.1	24.7	1.40
F12	08 Aug 2016	29	14.98	86.80	7.4	33.37	8.1	24.7	1.66
F12	08 Aug 2016	30	14.79	86.80	7.3	33.36	8.1	24.8	1.80
F12	08 Aug 2016	31	14.56	86.44	7.2	33.37	8.1	24.8	1.85
F12	08 Aug 2016	32	14.24	86.37	7.1	33.34	8.1	24.9	1.82
F12	08 Aug 2016	33	14.11	86.35	7.0	33.35	8.1	24.9	1.76
F12	08 Aug 2016	34	13.90	86.43	7.0	33.35	8.1	24.9	1.31
F12	08 Aug 2016	35	13.85	86.84	6.7	33.34	8.1	24.9	0.93
F12	08 Aug 2016	36	13.58	87.62	6.5	33.35	8.0	25.0	0.70
F12	08 Aug 2016	37	13.45	87.93	6.5	33.36	8.0	25.0	0.65
F12	08 Aug 2016	38	13.38	87.94	6.5	33.36	8.0	25.0	0.64
F12	08 Aug 2016	39	13.37	88.05	6.5	33.37	8.0	25.1	0.64
F12	08 Aug 2016	40	13.34	88.01	6.5	33.37	8.0	25.1	0.64
F12	08 Aug 2016	41	13.31	87.95	6.5	33.37	8.0	25.1	0.63
F12	08 Aug 2016	42	13.28	88.17	6.5	33.37	8.0	25.1	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F12	08 Aug 2016	43	13.25	88.15	6.5	33.38	8.0	25.1	0.61
F12	08 Aug 2016	44	13.24	88.09	6.5	33.38	8.0	25.1	0.62
F12	08 Aug 2016	45	13.24	88.02	6.4	33.38	8.0	25.1	0.61
F12	08 Aug 2016	46	13.23	87.99	6.4	33.38	8.0	25.1	0.63
F12	08 Aug 2016	47	13.23	87.85	6.3	33.39	8.0	25.1	0.65
F12	08 Aug 2016	48	13.20	87.60	6.3	33.38	8.0	25.1	0.65
F12	08 Aug 2016	49	13.15	87.31	6.1	33.39	8.0	25.1	0.63
F12	08 Aug 2016	50	13.11	87.08	6.0	33.39	8.0	25.1	0.63
F12	08 Aug 2016	51	13.00	86.28	6.1	33.39	8.0	25.1	0.62
F12	08 Aug 2016	52	13.00	86.13	6.1	33.40	8.0	25.2	0.60
F12	08 Aug 2016	53	13.01	86.11	6.0	33.39	8.0	25.1	0.60
F12	08 Aug 2016	54	12.91	86.52	5.9	33.40	8.0	25.2	0.56
F12	08 Aug 2016	55	12.92	86.04	5.6	33.40	8.0	25.2	0.54
F12	08 Aug 2016	56	12.77	84.88	5.3	33.39	8.0	25.2	0.47
F12	08 Aug 2016	57	12.54	83.28	5.3	33.41	7.9	25.2	0.41
F12	08 Aug 2016	58	12.53	82.99	5.1	33.40	7.9	25.2	0.40
F12	08 Aug 2016	59	12.29	82.03	5.2	33.40	7.9	25.3	0.41
F12	08 Aug 2016	60	12.27	81.94	5.1	33.42	7.9	25.3	0.37
F12	08 Aug 2016	61	12.13	79.11	5.1	33.41	7.9	25.3	0.37
F13	08 Aug 2016	1	23.19	80.21	8.2	33.66	8.3	22.9	1.99
F13	08 Aug 2016	2	23.19	80.27	8.2	33.66	8.3	22.9	2.13
F13	08 Aug 2016	3	23.19	80.28	8.2	33.65	8.3	22.9	2.27
F13	08 Aug 2016	4	22.88	80.76	8.5	33.62	8.3	22.9	2.34
F13	08 Aug 2016	5	22.27	81.20	8.2	33.54	8.3	23.0	2.56
F13	08 Aug 2016	6	21.35	81.43	7.3	33.50	8.3	23.3	2.65
F13	08 Aug 2016	7	19.33	81.54	7.8	33.43	8.3	23.7	2.87
F13	08 Aug 2016	8	18.58	82.40	8.2	33.41	8.2	23.9	3.01
F13	08 Aug 2016	9	17.98	82.86	8.2	33.40	8.2	24.0	2.88
F13	08 Aug 2016	10	17.91	83.07	8.0	33.39	8.2	24.1	2.53
F13	08 Aug 2016	11	17.81	83.06	8.0	33.39	8.2	24.1	2.41
F13	08 Aug 2016	12	17.58	83.80	8.1	33.38	8.2	24.1	2.46
F13	08 Aug 2016	13	17.43	84.26	8.2	33.38	8.2	24.2	2.31
F13	08 Aug 2016	14	17.42	84.48	8.1	33.39	8.2	24.2	2.18
F13	08 Aug 2016	15	17.29	84.63	8.1	33.38	8.2	24.2	2.06
F13	08 Aug 2016	16	16.89	85.12	8.2	33.36	8.2	24.3	1.98
F13	08 Aug 2016	17	16.68	85.46	8.2	33.38	8.2	24.3	1.94
F13	08 Aug 2016	18	16.56	85.52	8.1	33.37	8.2	24.4	1.69
F13	08 Aug 2016	19	16.56	85.69	7.8	33.37	8.2	24.4	1.50
F13	08 Aug 2016	20	16.25	85.97	7.8	33.35	8.2	24.4	1.51
F13	08 Aug 2016	21	15.81	86.28	7.8	33.35	8.2	24.5	1.36
F13	08 Aug 2016	22	15.90	86.70	7.5	33.36	8.2	24.5	1.36
F13	08 Aug 2016	23	15.44	86.63	7.5	33.34	8.1	24.6	1.40
F13	08 Aug 2016	24	15.23	86.60	7.4	33.36	8.1	24.7	1.42
F13	08 Aug 2016	25	15.13	86.70	7.4	33.34	8.1	24.7	1.40
F13	08 Aug 2016	26	14.83	86.68	7.1	33.37	8.1	24.7	1.36
F13	08 Aug 2016	27	14.69	86.66	6.9	33.32	8.1	24.7	1.33
F13	08 Aug 2016	28	14.16	86.75	7.0	33.34	8.1	24.9	1.27
F13	08 Aug 2016	29	14.10	86.96	7.0	33.35	8.1	24.9	1.21
F13	08 Aug 2016	30	14.07	87.01	7.0	33.35	8.1	24.9	1.04
F13	08 Aug 2016	31	14.05	86.95	6.8	33.35	8.1	24.9	0.97
F13	08 Aug 2016	32	13.91	87.26	6.7	33.34	8.1	24.9	0.89
F13	08 Aug 2016	33	13.80	87.46	6.7	33.35	8.1	25.0	0.84
F13	08 Aug 2016	34	13.79	87.51	6.7	33.36	8.0	25.0	0.83
F13	08 Aug 2016	35	13.78	87.48	6.7	33.36	8.0	25.0	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F13	08 Aug 2016	36	13.76	87.46	6.6	33.36	8.0	25.0	0.78
F13	08 Aug 2016	37	13.73	87.35	6.5	33.36	8.0	25.0	0.77
F13	08 Aug 2016	38	13.65	87.29	6.5	33.37	8.0	25.0	0.77
F13	08 Aug 2016	39	13.61	87.18	6.5	33.37	8.0	25.0	0.77
F13	08 Aug 2016	40	13.56	87.08	6.4	33.37	8.0	25.0	0.76
F13	08 Aug 2016	41	13.48	87.08	6.4	33.37	8.0	25.0	0.77
F13	08 Aug 2016	42	13.46	87.03	6.4	33.38	8.0	25.0	0.79
F13	08 Aug 2016	43	13.45	86.96	6.5	33.38	8.0	25.0	0.79
F13	08 Aug 2016	44	13.45	86.97	6.5	33.38	8.0	25.0	0.74
F13	08 Aug 2016	45	13.45	86.93	6.5	33.38	8.0	25.0	0.76
F13	08 Aug 2016	46	13.44	86.99	6.5	33.38	8.0	25.1	0.74
F13	08 Aug 2016	47	13.43	87.00	6.4	33.38	8.0	25.1	0.73
F13	08 Aug 2016	48	13.41	86.96	6.2	33.38	8.0	25.1	0.64
F13	08 Aug 2016	49	13.34	87.31	6.0	33.38	8.0	25.1	0.57
F13	08 Aug 2016	50	13.13	87.08	5.8	33.38	8.0	25.1	0.48
F13	08 Aug 2016	51	12.88	87.25	5.7	33.38	8.0	25.2	0.46
F13	08 Aug 2016	52	12.73	86.60	5.7	33.39	8.0	25.2	0.41
F13	08 Aug 2016	53	12.66	86.31	5.7	33.39	8.0	25.2	0.38
F13	08 Aug 2016	54	12.59	86.51	5.7	33.39	8.0	25.2	0.40
F13	08 Aug 2016	55	12.50	86.91	5.6	33.40	8.0	25.2	0.37
F13	08 Aug 2016	56	12.44	86.89	5.5	33.40	7.9	25.3	0.37
F13	08 Aug 2016	57	12.38	86.74	5.4	33.40	7.9	25.3	0.36
F13	08 Aug 2016	58	12.30	86.49	5.1	33.40	7.9	25.3	0.34
F13	08 Aug 2016	59	12.24	85.61	4.8	33.40	7.9	25.3	0.32
F13	08 Aug 2016	60	11.92	80.40	4.9	33.41	7.9	25.4	0.34
F13	08 Aug 2016	61	11.86	78.13	5.0	33.43	7.9	25.4	0.33
F14	08 Aug 2016	1	23.14	79.87	8.3	33.65	8.3	22.9	2.12
F14	08 Aug 2016	2	23.14	80.05	8.3	33.65	8.3	22.9	2.17
F14	08 Aug 2016	3	23.14	79.97	8.3	33.65	8.3	22.9	2.20
F14	08 Aug 2016	4	23.13	79.99	8.3	33.65	8.3	22.9	2.33
F14	08 Aug 2016	5	23.11	80.03	8.3	33.65	8.3	22.9	2.47
F14	08 Aug 2016	6	23.03	80.08	8.3	33.64	8.3	22.9	2.59
F14	08 Aug 2016	7	22.89	80.14	8.2	33.61	8.3	22.9	2.52
F14	08 Aug 2016	8	22.44	80.30	8.3	33.57	8.3	23.0	2.40
F14	08 Aug 2016	9	21.59	80.44	8.0	33.52	8.3	23.2	2.24
F14	08 Aug 2016	10	20.22	81.36	7.4	33.45	8.3	23.5	2.18
F14	08 Aug 2016	11	19.18	82.40	7.4	33.44	8.2	23.8	1.91
F14	08 Aug 2016	12	18.48	82.78	7.6	33.42	8.2	23.9	1.87
F14	08 Aug 2016	13	18.17	83.17	7.8	33.41	8.2	24.0	1.71
F14	08 Aug 2016	14	17.81	83.73	7.7	33.40	8.2	24.1	1.45
F14	08 Aug 2016	15	17.54	83.95	7.5	33.38	8.2	24.1	1.37
F14	08 Aug 2016	16	17.10	84.63	7.4	33.35	8.2	24.2	1.29
F14	08 Aug 2016	17	16.72	85.39	7.2	33.38	8.2	24.3	1.19
F14	08 Aug 2016	18	16.56	85.97	7.2	33.30	8.2	24.3	1.15
F14	08 Aug 2016	19	15.73	86.42	7.4	33.32	8.1	24.5	1.11
F14	08 Aug 2016	20	15.55	86.69	7.3	33.32	8.1	24.6	1.12
F14	08 Aug 2016	21	15.31	87.05	7.2	33.31	8.1	24.6	1.05
F14	08 Aug 2016	22	14.94	87.06	7.2	33.31	8.1	24.7	0.97
F14	08 Aug 2016	23	14.74	87.14	7.2	33.33	8.1	24.7	0.97
F14	08 Aug 2016	24	14.74	87.23	7.1	33.32	8.1	24.7	0.98
F14	08 Aug 2016	25	14.53	87.25	7.1	33.32	8.1	24.8	0.92
F14	08 Aug 2016	26	14.44	87.22	7.1	33.33	8.1	24.8	0.92
F14	08 Aug 2016	27	14.42	87.26	7.1	33.33	8.1	24.8	0.91
F14	08 Aug 2016	28	14.40	87.25	7.1	33.34	8.1	24.8	0.93

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F14	08 Aug 2016	29	14.38	87.25	7.0	33.34	8.1	24.8	0.94
F14	08 Aug 2016	30	14.38	87.28	6.9	33.34	8.1	24.8	0.92
F14	08 Aug 2016	31	14.35	87.26	6.8	33.35	8.1	24.8	0.93
F14	08 Aug 2016	32	14.31	87.17	6.8	33.35	8.1	24.8	0.89
F14	08 Aug 2016	33	14.15	87.09	6.8	33.35	8.1	24.9	0.87
F14	08 Aug 2016	34	14.09	87.08	6.8	33.36	8.1	24.9	0.85
F14	08 Aug 2016	35	14.05	87.07	6.8	33.36	8.0	24.9	0.85
F14	08 Aug 2016	36	14.03	87.03	6.7	33.36	8.0	24.9	0.84
F14	08 Aug 2016	37	14.00	87.13	6.7	33.36	8.0	24.9	0.83
F14	08 Aug 2016	38	13.91	87.17	6.7	33.35	8.0	24.9	0.83
F14	08 Aug 2016	39	13.74	87.32	6.6	33.37	8.0	25.0	0.78
F14	08 Aug 2016	40	13.72	87.24	6.5	33.36	8.0	25.0	0.73
F14	08 Aug 2016	41	13.56	87.29	6.4	33.35	8.0	25.0	0.64
F14	08 Aug 2016	42	13.38	87.37	6.3	33.36	8.0	25.0	0.62
F14	08 Aug 2016	43	13.31	87.58	6.2	33.36	8.0	25.1	0.54
F14	08 Aug 2016	44	13.19	87.97	6.1	33.36	8.0	25.1	0.49
F14	08 Aug 2016	45	13.07	87.89	5.9	33.37	8.0	25.1	0.44
F14	08 Aug 2016	46	12.90	88.17	5.8	33.36	8.0	25.1	0.41
F14	08 Aug 2016	47	12.79	88.22	5.8	33.38	8.0	25.2	0.38
F14	08 Aug 2016	48	12.72	87.81	5.8	33.38	8.0	25.2	0.37
F14	08 Aug 2016	49	12.67	87.19	5.8	33.38	8.0	25.2	0.38
F14	08 Aug 2016	50	12.64	87.07	5.8	33.38	8.0	25.2	0.36
F14	08 Aug 2016	51	12.60	86.88	5.7	33.39	8.0	25.2	0.37
F14	08 Aug 2016	52	12.59	87.00	5.6	33.39	8.0	25.2	0.34
F14	08 Aug 2016	53	12.54	86.79	5.4	33.39	7.9	25.2	0.34
F14	08 Aug 2016	54	12.43	86.81	5.1	33.39	7.9	25.3	0.33
F14	08 Aug 2016	55	12.30	86.77	5.0	33.39	7.9	25.3	0.33
F14	08 Aug 2016	56	12.09	85.87	4.9	33.40	7.9	25.3	0.29
F14	08 Aug 2016	57	12.03	82.77	4.9	33.41	7.9	25.4	0.29
F14	08 Aug 2016	58	12.01	80.36	4.9	33.41	7.9	25.4	0.28
F14	08 Aug 2016	59	11.95	77.53	4.9	33.42	7.9	25.4	0.30
F14	08 Aug 2016	60	11.93	75.25	5.2	33.42	7.9	25.4	0.32
F15	09 Aug 2016	1	23.11	78.94	8.2	33.67	8.3	22.9	1.39
F15	09 Aug 2016	2	23.09	78.91	8.2	33.67	8.3	22.9	1.71
F15	09 Aug 2016	3	23.07	78.80	8.2	33.67	8.3	22.9	2.04
F15	09 Aug 2016	4	23.05	78.65	8.3	33.67	8.3	22.9	2.22
F15	09 Aug 2016	5	23.00	78.35	8.3	33.66	8.3	22.9	2.39
F15	09 Aug 2016	6	22.97	78.04	8.4	33.66	8.3	22.9	2.53
F15	09 Aug 2016	7	22.67	78.51	8.4	33.62	8.3	23.0	2.64
F15	09 Aug 2016	8	22.50	80.18	8.4	33.60	8.3	23.0	2.60
F15	09 Aug 2016	9	21.75	80.46	8.5	33.54	8.3	23.2	2.40
F15	09 Aug 2016	10	20.98	81.51	8.7	33.49	8.3	23.3	2.30
F15	09 Aug 2016	11	19.49	83.15	8.7	33.41	8.3	23.7	2.12
F15	09 Aug 2016	12	18.60	84.11	8.8	33.37	8.3	23.9	2.01
F15	09 Aug 2016	13	17.82	85.08	8.9	33.37	8.3	24.1	1.96
F15	09 Aug 2016	14	17.57	85.38	8.7	33.38	8.2	24.1	1.82
F15	09 Aug 2016	15	17.38	85.59	8.6	33.37	8.2	24.2	1.66
F15	09 Aug 2016	16	16.65	85.89	8.7	33.32	8.2	24.3	1.47
F15	09 Aug 2016	17	16.07	86.71	8.8	33.31	8.2	24.4	1.47
F15	09 Aug 2016	18	15.78	86.90	8.8	33.29	8.2	24.5	1.47
F15	09 Aug 2016	19	15.67	87.05	8.8	33.30	8.2	24.5	1.47
F15	09 Aug 2016	20	15.52	87.09	8.7	33.29	8.2	24.5	1.59
F15	09 Aug 2016	21	15.41	87.23	8.5	33.29	8.2	24.6	1.63
F15	09 Aug 2016	22	15.25	87.24	8.4	33.27	8.2	24.6	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F15	09 Aug 2016	23	15.11	87.20	8.1	33.30	8.2	24.6	1.90
F15	09 Aug 2016	24	14.99	87.13	7.8	33.27	8.2	24.6	1.83
F15	09 Aug 2016	25	14.52	87.15	7.8	33.30	8.2	24.8	1.81
F15	09 Aug 2016	26	14.45	87.19	7.5	33.29	8.2	24.8	1.74
F15	09 Aug 2016	27	14.22	87.36	7.2	33.29	8.2	24.8	1.71
F15	09 Aug 2016	28	14.06	87.43	7.1	33.31	8.1	24.9	1.68
F15	09 Aug 2016	29	13.91	87.27	7.0	33.31	8.1	24.9	1.46
F15	09 Aug 2016	30	13.82	87.40	6.9	33.32	8.1	24.9	1.47
F15	09 Aug 2016	31	13.78	87.50	6.8	33.31	8.1	24.9	1.45
F15	09 Aug 2016	32	13.49	87.75	6.8	33.32	8.1	25.0	1.26
F15	09 Aug 2016	33	13.45	87.87	6.8	33.33	8.1	25.0	1.29
F15	09 Aug 2016	34	13.43	87.84	6.7	33.32	8.1	25.0	1.40
F15	09 Aug 2016	35	13.30	88.11	6.7	33.33	8.1	25.0	1.59
F15	09 Aug 2016	36	13.24	87.98	6.7	33.33	8.0	25.1	1.75
F15	09 Aug 2016	37	13.19	87.83	6.6	33.33	8.0	25.1	1.62
F15	09 Aug 2016	38	13.17	87.51	6.6	33.34	8.0	25.1	1.51
F15	09 Aug 2016	39	13.12	87.24	6.6	33.34	8.0	25.1	1.11
F15	09 Aug 2016	40	13.02	87.77	6.6	33.33	8.0	25.1	0.91
F15	09 Aug 2016	41	12.96	88.14	6.6	33.33	8.0	25.1	0.81
F15	09 Aug 2016	42	12.87	88.80	6.5	33.33	8.0	25.1	0.71
F15	09 Aug 2016	43	12.80	89.06	6.5	33.33	8.0	25.1	0.66
F15	09 Aug 2016	44	12.72	89.22	6.4	33.33	8.0	25.2	0.59
F15	09 Aug 2016	45	12.65	89.25	6.1	33.34	8.0	25.2	0.53
F15	09 Aug 2016	46	12.59	89.33	6.0	33.35	8.0	25.2	0.51
F15	09 Aug 2016	47	12.49	89.32	6.0	33.37	8.0	25.2	0.52
F15	09 Aug 2016	48	12.46	89.30	6.1	33.38	8.0	25.2	0.50
F15	09 Aug 2016	49	12.46	89.31	6.0	33.38	8.0	25.2	0.47
F15	09 Aug 2016	50	12.43	89.31	5.8	33.38	8.0	25.2	0.45
F15	09 Aug 2016	51	12.37	89.27	5.8	33.39	8.0	25.3	0.40
F15	09 Aug 2016	52	12.34	89.26	5.6	33.40	8.0	25.3	0.39
F15	09 Aug 2016	53	12.25	89.32	5.5	33.40	8.0	25.3	0.38
F15	09 Aug 2016	54	12.08	89.27	5.5	33.41	8.0	25.3	0.39
F15	09 Aug 2016	55	12.05	89.22	5.5	33.41	8.0	25.3	0.37
F15	09 Aug 2016	56	12.04	89.22	5.5	33.41	7.9	25.4	0.35
F15	09 Aug 2016	57	12.02	89.22	5.4	33.42	7.9	25.4	0.34
F15	09 Aug 2016	58	11.98	89.30	5.4	33.42	7.9	25.4	0.34
F15	09 Aug 2016	59	11.93	89.07	5.4	33.42	7.9	25.4	0.35
F15	09 Aug 2016	60	11.91	88.78	5.3	33.42	7.9	25.4	0.34
F15	09 Aug 2016	61	11.89	88.67	5.3	33.42	7.9	25.4	0.34
F15	09 Aug 2016	62	11.84	88.51	5.4	33.43	7.9	25.4	0.33
F15	09 Aug 2016	63	11.85	88.44	5.3	33.43	7.9	25.4	0.32
F15	09 Aug 2016	64	11.83	88.44	5.2	33.43	7.9	25.4	0.29
F15	09 Aug 2016	65	11.78	88.69	5.2	33.43	7.9	25.4	0.30
F15	09 Aug 2016	66	11.75	88.73	5.1	33.44	7.9	25.4	0.31
F15	09 Aug 2016	67	11.72	88.01	5.2	33.44	7.9	25.4	0.29
F15	09 Aug 2016	68	11.73	87.64	5.0	33.44	7.9	25.4	0.28
F15	09 Aug 2016	69	11.70	87.30	4.9	33.45	7.9	25.4	0.28
F15	09 Aug 2016	70	11.64	86.73	4.9	33.46	7.9	25.5	0.28
F15	09 Aug 2016	71	11.63	86.56	4.9	33.46	7.9	25.5	0.27
F15	09 Aug 2016	72	11.60	86.22	4.8	33.46	7.9	25.5	0.28
F15	09 Aug 2016	73	11.54	85.98	4.8	33.47	7.9	25.5	0.26
F15	09 Aug 2016	74	11.48	85.93	4.7	33.48	7.9	25.5	0.26
F15	09 Aug 2016	75	11.40	86.23	4.7	33.50	7.9	25.5	0.26
F15	09 Aug 2016	76	11.38	86.26	4.6	33.50	7.9	25.5	0.26
F15	09 Aug 2016	77	11.34	85.88	4.5	33.51	7.9	25.6	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F15	09 Aug 2016	78	11.27	84.66	4.3	33.52	7.9	25.6	0.26
F15	09 Aug 2016	79	11.12	82.63	4.2	33.55	7.8	25.6	0.26
F15	09 Aug 2016	80	11.07	79.89	4.3	33.56	7.8	25.6	0.26
F15	09 Aug 2016	81	11.06	79.38	4.4	33.56	7.8	25.6	0.27
F16	09 Aug 2016	1	23.11	78.87	8.2	33.67	8.3	22.9	1.21
F16	09 Aug 2016	2	23.09	78.92	8.3	33.67	8.3	22.9	1.31
F16	09 Aug 2016	3	23.07	78.80	8.2	33.67	8.3	22.9	1.47
F16	09 Aug 2016	4	23.05	78.66	8.2	33.67	8.3	22.9	1.69
F16	09 Aug 2016	5	23.00	78.35	8.3	33.67	8.3	22.9	1.97
F16	09 Aug 2016	6	22.98	78.04	8.3	33.67	8.3	22.9	2.14
F16	09 Aug 2016	7	22.71	78.38	8.4	33.65	8.3	23.0	2.33
F16	09 Aug 2016	8	22.47	80.13	8.4	33.62	8.3	23.0	2.47
F16	09 Aug 2016	9	21.78	80.43	8.5	33.58	8.3	23.2	2.62
F16	09 Aug 2016	10	21.06	81.37	8.6	33.55	8.3	23.4	2.67
F16	09 Aug 2016	11	19.53	83.12	9.0	33.50	8.3	23.7	2.49
F16	09 Aug 2016	12	18.60	84.12	8.9	33.44	8.3	23.9	2.35
F16	09 Aug 2016	13	17.81	85.09	9.0	33.42	8.3	24.1	2.18
F16	09 Aug 2016	14	17.57	85.37	9.0	33.43	8.2	24.2	2.06
F16	09 Aug 2016	15	17.38	85.59	8.9	33.43	8.2	24.2	1.98
F16	09 Aug 2016	16	16.67	85.85	8.8	33.43	8.2	24.4	1.93
F16	09 Aug 2016	17	16.07	86.69	8.9	33.38	8.2	24.5	1.77
F16	09 Aug 2016	18	15.77	86.92	8.9	33.36	8.2	24.5	1.53
F16	09 Aug 2016	19	15.67	87.05	8.9	33.36	8.2	24.6	1.48
F16	09 Aug 2016	20	15.51	87.10	8.9	33.36	8.2	24.6	1.44
F16	09 Aug 2016	21	15.41	87.24	8.8	33.35	8.2	24.6	1.47
F16	09 Aug 2016	22	15.28	87.24	8.7	33.35	8.2	24.6	1.50
F16	09 Aug 2016	23	15.12	87.20	8.6	33.35	8.2	24.7	1.63
F16	09 Aug 2016	24	14.99	87.13	8.3	33.37	8.2	24.7	1.65
F16	09 Aug 2016	25	14.52	87.15	8.2	33.36	8.2	24.8	1.82
F16	09 Aug 2016	26	14.45	87.20	8.1	33.36	8.2	24.8	1.90
F16	09 Aug 2016	27	14.22	87.37	7.9	33.36	8.2	24.9	1.84
F16	09 Aug 2016	28	14.06	87.41	7.6	33.37	8.1	24.9	1.72
F16	09 Aug 2016	29	13.90	87.27	7.4	33.38	8.1	25.0	1.77
F16	09 Aug 2016	30	13.82	87.41	7.3	33.38	8.1	25.0	1.70
F16	09 Aug 2016	31	13.77	87.52	7.1	33.38	8.1	25.0	1.54
F16	09 Aug 2016	32	13.48	87.74	7.0	33.38	8.1	25.0	1.46
F16	09 Aug 2016	33	13.45	87.84	7.0	33.37	8.1	25.0	1.46
F16	09 Aug 2016	34	13.41	87.89	6.9	33.38	8.1	25.1	1.39
F16	09 Aug 2016	35	13.30	88.11	6.8	33.38	8.1	25.1	1.23
F16	09 Aug 2016	36	13.24	88.00	6.8	33.37	8.0	25.1	1.32
F16	09 Aug 2016	37	13.19	87.84	6.7	33.37	8.0	25.1	1.46
F16	09 Aug 2016	38	13.17	87.51	6.7	33.38	8.0	25.1	1.70
F16	09 Aug 2016	39	13.12	87.23	6.7	33.38	8.0	25.1	1.74
F16	09 Aug 2016	40	13.02	87.79	6.7	33.37	8.0	25.1	1.55
F16	09 Aug 2016	41	12.96	88.19	6.7	33.36	8.0	25.1	1.29
F16	09 Aug 2016	42	12.87	88.81	6.6	33.36	8.0	25.2	1.01
F16	09 Aug 2016	43	12.80	89.06	6.6	33.37	8.0	25.2	0.87
F16	09 Aug 2016	44	12.71	89.21	6.6	33.37	8.0	25.2	0.75
F16	09 Aug 2016	45	12.64	89.27	6.5	33.37	8.0	25.2	0.68
F16	09 Aug 2016	46	12.60	89.33	6.4	33.38	8.0	25.2	0.63
F16	09 Aug 2016	47	12.49	89.33	6.2	33.40	8.0	25.3	0.57
F16	09 Aug 2016	48	12.46	89.30	6.1	33.40	8.0	25.3	0.53
F16	09 Aug 2016	49	12.46	89.30	6.1	33.40	8.0	25.3	0.53
F16	09 Aug 2016	50	12.41	89.31	6.0	33.41	8.0	25.3	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F16	09 Aug 2016	51	12.37	89.27	6.0	33.41	8.0	25.3	0.49
F16	09 Aug 2016	52	12.34	89.27	5.9	33.42	8.0	25.3	0.46
F16	09 Aug 2016	53	12.25	89.32	5.8	33.42	8.0	25.3	0.43
F16	09 Aug 2016	54	12.08	89.27	5.6	33.43	8.0	25.4	0.40
F16	09 Aug 2016	55	12.05	89.21	5.6	33.43	8.0	25.4	0.39
F16	09 Aug 2016	56	12.04	89.22	5.6	33.43	7.9	25.4	0.38
F16	09 Aug 2016	57	12.03	89.23	5.6	33.43	7.9	25.4	0.37
F16	09 Aug 2016	58	11.97	89.31	5.5	33.44	7.9	25.4	0.36
F16	09 Aug 2016	59	11.94	89.09	5.5	33.44	7.9	25.4	0.35
F16	09 Aug 2016	60	11.91	88.80	5.4	33.44	7.9	25.4	0.34
F16	09 Aug 2016	61	11.89	88.67	5.4	33.44	7.9	25.4	0.33
F16	09 Aug 2016	62	11.84	88.54	5.4	33.44	7.9	25.4	0.35
F16	09 Aug 2016	63	11.85	88.43	5.4	33.44	7.9	25.4	0.34
F16	09 Aug 2016	64	11.83	88.45	5.4	33.45	7.9	25.4	0.33
F16	09 Aug 2016	65	11.78	88.69	5.3	33.45	7.9	25.4	0.33
F16	09 Aug 2016	66	11.75	88.76	5.3	33.45	7.9	25.4	0.33
F16	09 Aug 2016	67	11.72	88.09	5.2	33.45	7.9	25.4	0.29
F16	09 Aug 2016	68	11.73	87.64	5.2	33.45	7.9	25.4	0.30
F16	09 Aug 2016	69	11.69	87.27	5.1	33.46	7.9	25.5	0.29
F16	09 Aug 2016	70	11.63	86.74	5.0	33.47	7.9	25.5	0.29
F16	09 Aug 2016	71	11.63	86.57	5.0	33.47	7.9	25.5	0.28
F16	09 Aug 2016	72	11.60	86.25	5.0	33.48	7.9	25.5	0.28
F16	09 Aug 2016	73	11.54	85.99	4.9	33.48	7.9	25.5	0.28
F16	09 Aug 2016	74	11.48	85.93	4.9	33.49	7.9	25.5	0.27
F16	09 Aug 2016	75	11.40	86.24	4.8	33.51	7.9	25.5	0.28
F16	09 Aug 2016	76	11.38	86.25	4.8	33.52	7.9	25.6	0.26
F16	09 Aug 2016	77	11.34	85.87	4.8	33.52	7.9	25.6	0.26
F16	09 Aug 2016	78	11.27	84.68	4.7	33.53	7.9	25.6	0.26
F16	09 Aug 2016	79	11.12	82.76	4.5	33.56	7.8	25.6	0.25
F16	09 Aug 2016	80	11.07	80.05	4.4	33.57	7.8	25.6	0.25
F16	09 Aug 2016	81	11.06	79.32	4.4	33.57	7.8	25.6	0.28
F17	09 Aug 2016	1	23.14	79.16	8.2	33.68	8.4	22.9	1.23
F17	09 Aug 2016	2	23.12	78.95	8.2	33.68	8.4	22.9	1.34
F17	09 Aug 2016	3	23.09	78.63	8.3	33.68	8.4	22.9	1.60
F17	09 Aug 2016	4	23.05	78.37	8.3	33.67	8.4	22.9	1.85
F17	09 Aug 2016	5	23.03	78.47	8.3	33.67	8.4	22.9	2.09
F17	09 Aug 2016	6	22.99	78.63	8.2	33.67	8.4	22.9	2.22
F17	09 Aug 2016	7	22.55	78.98	8.0	33.65	8.3	23.0	2.44
F17	09 Aug 2016	8	21.64	79.64	7.9	33.59	8.3	23.2	2.78
F17	09 Aug 2016	9	19.87	81.82	8.7	33.53	8.3	23.7	2.74
F17	09 Aug 2016	10	19.15	83.21	9.1	33.47	8.3	23.8	2.54
F17	09 Aug 2016	11	18.99	83.97	8.8	33.46	8.3	23.8	2.33
F17	09 Aug 2016	12	17.55	85.36	9.0	33.43	8.3	24.2	1.98
F17	09 Aug 2016	13	17.52	85.86	9.0	33.42	8.2	24.2	1.82
F17	09 Aug 2016	14	17.31	85.88	9.0	33.42	8.2	24.2	1.76
F17	09 Aug 2016	15	17.23	85.87	8.9	33.43	8.2	24.3	1.70
F17	09 Aug 2016	16	16.80	86.30	8.9	33.42	8.2	24.3	1.61
F17	09 Aug 2016	17	16.21	86.60	8.9	33.41	8.2	24.5	1.55
F17	09 Aug 2016	18	15.74	86.84	8.9	33.36	8.2	24.5	1.65
F17	09 Aug 2016	19	15.58	86.84	8.9	33.35	8.2	24.6	1.73
F17	09 Aug 2016	20	15.49	86.99	8.9	33.34	8.2	24.6	1.66
F17	09 Aug 2016	21	15.39	87.07	8.8	33.34	8.2	24.6	1.69
F17	09 Aug 2016	22	15.03	87.23	8.4	33.36	8.2	24.7	1.69
F17	09 Aug 2016	23	14.63	87.17	8.1	33.37	8.2	24.8	1.65

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F17	09 Aug 2016	24	14.41	87.30	8.0	33.36	8.2	24.8	1.64
F17	09 Aug 2016	25	14.38	87.26	8.0	33.36	8.2	24.8	1.59
F17	09 Aug 2016	26	14.21	87.36	7.8	33.37	8.1	24.9	1.61
F17	09 Aug 2016	27	14.09	87.49	7.7	33.36	8.1	24.9	1.66
F17	09 Aug 2016	28	13.99	87.49	7.5	33.37	8.1	24.9	1.53
F17	09 Aug 2016	29	13.93	87.60	7.4	33.37	8.1	24.9	1.39
F17	09 Aug 2016	30	13.88	87.81	7.4	33.38	8.1	25.0	1.19
F17	09 Aug 2016	31	13.84	88.02	7.3	33.38	8.1	25.0	1.10
F17	09 Aug 2016	32	13.58	88.04	7.0	33.38	8.1	25.0	1.07
F17	09 Aug 2016	33	13.46	87.99	6.9	33.39	8.1	25.1	1.15
F17	09 Aug 2016	34	13.44	87.80	6.8	33.39	8.1	25.1	1.19
F17	09 Aug 2016	35	13.23	87.82	6.7	33.39	8.1	25.1	1.16
F17	09 Aug 2016	36	13.12	87.93	6.6	33.39	8.0	25.1	1.13
F17	09 Aug 2016	37	13.09	88.09	6.5	33.39	8.0	25.1	0.99
F17	09 Aug 2016	38	13.04	88.32	6.5	33.40	8.0	25.1	0.94
F17	09 Aug 2016	39	12.99	88.43	6.5	33.40	8.0	25.2	0.86
F17	09 Aug 2016	40	12.92	88.60	6.4	33.40	8.0	25.2	0.80
F17	09 Aug 2016	41	12.86	88.69	6.4	33.40	8.0	25.2	0.73
F17	09 Aug 2016	42	12.82	88.75	6.3	33.40	8.0	25.2	0.65
F17	09 Aug 2016	43	12.75	88.91	6.3	33.40	8.0	25.2	0.60
F17	09 Aug 2016	44	12.69	89.12	6.2	33.40	8.0	25.2	0.52
F17	09 Aug 2016	45	12.66	89.23	6.2	33.40	8.0	25.2	0.50
F17	09 Aug 2016	46	12.67	89.20	6.2	33.40	8.0	25.2	0.49
F17	09 Aug 2016	47	12.66	89.25	6.2	33.40	8.0	25.2	0.49
F17	09 Aug 2016	48	12.56	89.26	6.1	33.41	8.0	25.2	0.45
F17	09 Aug 2016	49	12.45	89.28	6.0	33.41	8.0	25.3	0.44
F17	09 Aug 2016	50	12.35	89.23	5.8	33.42	8.0	25.3	0.39
F17	09 Aug 2016	51	12.24	88.97	5.8	33.42	8.0	25.3	0.37
F17	09 Aug 2016	52	12.22	88.88	5.7	33.42	8.0	25.3	0.34
F17	09 Aug 2016	53	12.19	89.01	5.7	33.43	8.0	25.3	0.35
F17	09 Aug 2016	54	12.13	88.99	5.6	33.43	8.0	25.3	0.35
F17	09 Aug 2016	55	12.14	88.94	5.6	33.43	8.0	25.3	0.35
F17	09 Aug 2016	56	12.07	88.81	5.6	33.43	8.0	25.4	0.33
F17	09 Aug 2016	57	12.02	88.59	5.5	33.44	7.9	25.4	0.33
F17	09 Aug 2016	58	12.00	88.77	5.5	33.44	7.9	25.4	0.33
F17	09 Aug 2016	59	11.96	88.76	5.5	33.44	7.9	25.4	0.32
F17	09 Aug 2016	60	11.93	88.33	5.4	33.44	7.9	25.4	0.32
F17	09 Aug 2016	61	11.92	88.29	5.4	33.44	7.9	25.4	0.33
F17	09 Aug 2016	62	11.87	88.25	5.4	33.44	7.9	25.4	0.32
F17	09 Aug 2016	63	11.84	88.25	5.4	33.44	7.9	25.4	0.32
F17	09 Aug 2016	64	11.82	88.38	5.3	33.44	7.9	25.4	0.32
F17	09 Aug 2016	65	11.76	88.34	5.2	33.45	7.9	25.4	0.32
F17	09 Aug 2016	66	11.62	87.22	5.1	33.45	7.9	25.5	0.30
F17	09 Aug 2016	67	11.55	86.35	5.0	33.46	7.9	25.5	0.28
F17	09 Aug 2016	68	11.46	86.02	4.9	33.47	7.9	25.5	0.26
F17	09 Aug 2016	69	11.42	85.80	4.9	33.47	7.9	25.5	0.29
F17	09 Aug 2016	70	11.36	85.65	4.8	33.48	7.9	25.5	0.26
F17	09 Aug 2016	71	11.35	85.74	4.8	33.48	7.9	25.5	0.26
F17	09 Aug 2016	72	11.31	85.81	4.7	33.49	7.9	25.5	0.26
F17	09 Aug 2016	73	11.31	85.68	4.7	33.49	7.9	25.5	0.25
F17	09 Aug 2016	74	11.23	85.45	4.6	33.51	7.9	25.6	0.25
F17	09 Aug 2016	75	11.18	85.38	4.5	33.53	7.8	25.6	0.22
F17	09 Aug 2016	76	11.19	85.25	4.5	33.52	7.8	25.6	0.21
F17	09 Aug 2016	77	11.10	84.68	4.4	33.55	7.8	25.6	0.23
F17	09 Aug 2016	78	11.07	83.21	4.3	33.56	7.8	25.6	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F17	09 Aug 2016	79	11.05	82.25	4.3	33.56	7.8	25.6	0.25
F17	09 Aug 2016	80	11.03	78.02	4.3	33.57	7.8	25.7	0.23
F17	09 Aug 2016	81	11.03	76.98	4.3	33.57	7.8	25.7	0.23
F18	09 Aug 2016	1	23.25	80.16	8.3	33.69	8.4	22.9	1.04
F18	09 Aug 2016	2	23.24	80.36	8.3	33.69	8.4	22.9	1.13
F18	09 Aug 2016	3	23.24	80.36	8.3	33.69	8.4	22.9	1.21
F18	09 Aug 2016	4	23.23	80.19	8.3	33.69	8.4	22.9	1.35
F18	09 Aug 2016	5	23.22	80.27	8.3	33.69	8.4	22.9	1.49
F18	09 Aug 2016	6	23.20	79.99	8.3	33.69	8.4	22.9	1.56
F18	09 Aug 2016	7	23.19	80.08	8.3	33.69	8.4	22.9	1.68
F18	09 Aug 2016	8	23.16	79.80	8.3	33.69	8.4	22.9	1.91
F18	09 Aug 2016	9	22.67	79.74	8.2	33.65	8.4	23.0	2.15
F18	09 Aug 2016	10	21.50	79.61	8.1	33.57	8.3	23.3	2.64
F18	09 Aug 2016	11	20.45	79.56	8.2	33.53	8.3	23.5	2.92
F18	09 Aug 2016	12	19.72	81.68	8.6	33.49	8.3	23.7	2.74
F18	09 Aug 2016	13	19.24	83.09	9.0	33.47	8.3	23.8	2.42
F18	09 Aug 2016	14	19.07	84.18	9.2	33.47	8.3	23.8	2.06
F18	09 Aug 2016	15	18.71	84.74	8.9	33.47	8.3	23.9	1.91
F18	09 Aug 2016	16	17.86	85.34	9.0	33.45	8.3	24.1	1.85
F18	09 Aug 2016	17	17.59	85.66	9.0	33.43	8.2	24.2	1.80
F18	09 Aug 2016	18	17.63	85.76	9.0	33.44	8.2	24.2	1.67
F18	09 Aug 2016	19	17.27	85.96	8.8	33.44	8.2	24.3	1.64
F18	09 Aug 2016	20	16.98	86.09	8.8	33.44	8.2	24.3	1.63
F18	09 Aug 2016	21	16.34	86.50	8.9	33.41	8.2	24.5	1.52
F18	09 Aug 2016	22	16.04	86.78	8.9	33.40	8.2	24.5	1.47
F18	09 Aug 2016	23	15.97	86.74	8.9	33.39	8.2	24.5	1.45
F18	09 Aug 2016	24	15.92	86.80	8.9	33.39	8.2	24.5	1.49
F18	09 Aug 2016	25	15.89	86.81	8.8	33.39	8.2	24.5	1.43
F18	09 Aug 2016	26	15.47	87.04	8.8	33.36	8.2	24.6	1.42
F18	09 Aug 2016	27	15.29	87.25	8.8	33.35	8.2	24.6	1.42
F18	09 Aug 2016	28	15.15	87.54	8.8	33.34	8.2	24.7	1.43
F18	09 Aug 2016	29	15.13	87.52	8.6	33.34	8.2	24.7	1.43
F18	09 Aug 2016	30	14.78	87.50	8.2	33.36	8.2	24.8	1.45
F18	09 Aug 2016	31	14.69	87.43	8.1	33.37	8.2	24.8	1.33
F18	09 Aug 2016	32	14.64	87.44	7.9	33.38	8.2	24.8	1.33
F18	09 Aug 2016	33	14.45	87.51	7.7	33.38	8.1	24.8	1.29
F18	09 Aug 2016	34	14.33	87.67	7.6	33.38	8.1	24.9	1.20
F18	09 Aug 2016	35	14.09	87.85	7.5	33.38	8.1	24.9	1.10
F18	09 Aug 2016	36	13.98	87.91	7.3	33.38	8.1	24.9	1.07
F18	09 Aug 2016	37	13.65	88.04	7.0	33.38	8.1	25.0	1.01
F18	09 Aug 2016	38	13.49	87.99	6.9	33.38	8.1	25.0	0.98
F18	09 Aug 2016	39	13.28	88.22	6.8	33.38	8.1	25.1	0.92
F18	09 Aug 2016	40	13.24	88.57	6.7	33.38	8.1	25.1	0.84
F18	09 Aug 2016	41	12.92	89.04	6.6	33.39	8.0	25.2	0.71
F18	09 Aug 2016	42	12.76	89.21	6.5	33.38	8.0	25.2	0.58
F18	09 Aug 2016	43	12.70	89.30	6.4	33.39	8.0	25.2	0.53
F18	09 Aug 2016	44	12.70	89.32	6.3	33.39	8.0	25.2	0.51
F18	09 Aug 2016	45	12.56	89.28	6.1	33.40	8.0	25.2	0.45
F18	09 Aug 2016	46	12.40	89.12	6.0	33.42	8.0	25.3	0.42
F18	09 Aug 2016	47	12.36	88.74	5.9	33.42	8.0	25.3	0.39
F18	09 Aug 2016	48	12.19	88.23	5.7	33.43	8.0	25.3	0.37
F18	09 Aug 2016	49	12.16	88.01	5.6	33.43	8.0	25.3	0.34
F18	09 Aug 2016	50	12.13	88.10	5.6	33.43	8.0	25.3	0.35
F18	09 Aug 2016	51	12.10	88.22	5.6	33.43	8.0	25.4	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F18	09 Aug 2016	52	12.04	88.38	5.6	33.44	8.0	25.4	0.34
F18	09 Aug 2016	53	12.03	88.35	5.5	33.44	8.0	25.4	0.33
F18	09 Aug 2016	54	12.03	88.32	5.5	33.44	7.9	25.4	0.35
F18	09 Aug 2016	55	12.02	88.24	5.5	33.44	7.9	25.4	0.33
F18	09 Aug 2016	56	12.02	88.13	5.5	33.44	7.9	25.4	0.34
F18	09 Aug 2016	57	12.01	88.23	5.5	33.44	7.9	25.4	0.32
F18	09 Aug 2016	58	12.00	88.27	5.5	33.44	7.9	25.4	0.34
F18	09 Aug 2016	59	12.00	88.15	5.5	33.44	7.9	25.4	0.32
F18	09 Aug 2016	60	11.99	88.13	5.5	33.44	7.9	25.4	0.32
F18	09 Aug 2016	61	11.99	88.12	5.5	33.44	7.9	25.4	0.33
F18	09 Aug 2016	62	11.97	88.00	5.4	33.44	7.9	25.4	0.33
F18	09 Aug 2016	63	11.95	87.76	5.4	33.44	7.9	25.4	0.30
F18	09 Aug 2016	64	11.94	87.68	5.4	33.44	7.9	25.4	0.31
F18	09 Aug 2016	65	11.91	87.35	5.3	33.44	7.9	25.4	0.32
F18	09 Aug 2016	66	11.90	87.32	5.3	33.44	7.9	25.4	0.33
F18	09 Aug 2016	67	11.84	87.14	5.3	33.45	7.9	25.4	0.31
F18	09 Aug 2016	68	11.80	86.91	5.2	33.45	7.9	25.4	0.30
F18	09 Aug 2016	69	11.74	86.64	5.2	33.45	7.9	25.4	0.30
F18	09 Aug 2016	70	11.70	86.58	5.2	33.45	7.9	25.4	0.31
F18	09 Aug 2016	71	11.68	86.58	5.1	33.45	7.9	25.4	0.29
F18	09 Aug 2016	72	11.56	86.61	5.0	33.46	7.9	25.5	0.28
F18	09 Aug 2016	73	11.49	85.95	4.9	33.47	7.9	25.5	0.29
F18	09 Aug 2016	74	11.43	85.39	4.8	33.48	7.9	25.5	0.27
F18	09 Aug 2016	75	11.32	85.17	4.7	33.49	7.9	25.5	0.25
F18	09 Aug 2016	76	11.28	84.97	4.6	33.50	7.9	25.6	0.23
F18	09 Aug 2016	77	11.26	84.87	4.6	33.51	7.9	25.6	0.23
F18	09 Aug 2016	78	11.22	84.79	4.5	33.52	7.8	25.6	0.23
F18	09 Aug 2016	79	11.17	82.90	4.4	33.54	7.8	25.6	0.23
F18	09 Aug 2016	80	11.11	79.29	4.3	33.55	7.8	25.6	0.23
F18	09 Aug 2016	81	11.11	74.15	4.2	33.55	7.8	25.6	0.25
F19	09 Aug 2016	1	23.41	80.54	8.3	33.71	8.4	22.8	1.13
F19	09 Aug 2016	2	23.41	80.81	8.3	33.71	8.4	22.8	1.16
F19	09 Aug 2016	3	23.40	80.73	8.3	33.71	8.4	22.8	1.28
F19	09 Aug 2016	4	23.39	80.73	8.3	33.71	8.4	22.8	1.43
F19	09 Aug 2016	5	23.38	80.57	8.3	33.71	8.4	22.8	1.68
F19	09 Aug 2016	6	23.37	80.41	8.3	33.71	8.4	22.8	1.80
F19	09 Aug 2016	7	23.19	80.23	8.2	33.70	8.4	22.9	2.02
F19	09 Aug 2016	8	22.55	80.25	7.9	33.66	8.3	23.0	2.28
F19	09 Aug 2016	9	20.06	81.19	8.2	33.53	8.3	23.6	2.40
F19	09 Aug 2016	10	19.23	83.12	8.8	33.48	8.3	23.8	2.24
F19	09 Aug 2016	11	19.07	84.15	8.9	33.46	8.3	23.8	2.11
F19	09 Aug 2016	12	18.56	84.74	9.1	33.45	8.3	23.9	2.04
F19	09 Aug 2016	13	18.46	85.04	8.9	33.45	8.3	24.0	1.99
F19	09 Aug 2016	14	17.55	85.59	8.9	33.44	8.3	24.2	1.80
F19	09 Aug 2016	15	17.23	86.12	9.0	33.42	8.2	24.2	1.67
F19	09 Aug 2016	16	17.01	86.32	8.9	33.42	8.2	24.3	1.52
F19	09 Aug 2016	17	16.63	86.66	9.0	33.41	8.2	24.4	1.43
F19	09 Aug 2016	18	16.17	86.78	9.0	33.39	8.2	24.5	1.37
F19	09 Aug 2016	19	16.13	86.91	8.9	33.39	8.2	24.5	1.37
F19	09 Aug 2016	20	15.73	87.00	8.8	33.37	8.2	24.6	1.47
F19	09 Aug 2016	21	15.34	87.17	8.8	33.34	8.2	24.6	1.44
F19	09 Aug 2016	22	15.08	87.28	8.8	33.33	8.2	24.7	1.48
F19	09 Aug 2016	23	15.01	87.48	8.8	33.33	8.2	24.7	1.46
F19	09 Aug 2016	24	14.90	87.61	8.6	33.33	8.2	24.7	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F19	09 Aug 2016	25	14.77	87.71	8.5	33.34	8.2	24.7	1.20
F19	09 Aug 2016	26	14.63	87.88	8.4	33.34	8.2	24.8	1.10
F19	09 Aug 2016	27	14.56	87.83	8.2	33.36	8.2	24.8	1.21
F19	09 Aug 2016	28	14.42	87.74	7.9	33.37	8.2	24.8	1.25
F19	09 Aug 2016	29	14.21	87.68	7.8	33.37	8.1	24.9	1.28
F19	09 Aug 2016	30	14.14	87.77	7.8	33.37	8.1	24.9	1.18
F19	09 Aug 2016	31	14.11	87.94	7.7	33.37	8.1	24.9	1.06
F19	09 Aug 2016	32	13.97	87.98	7.4	33.37	8.1	24.9	1.16
F19	09 Aug 2016	33	13.77	87.82	7.2	33.38	8.1	25.0	1.15
F19	09 Aug 2016	34	13.56	88.05	7.0	33.38	8.1	25.0	1.00
F19	09 Aug 2016	35	13.48	88.14	6.9	33.38	8.1	25.0	0.97
F19	09 Aug 2016	36	13.40	88.22	6.8	33.38	8.1	25.1	0.86
F19	09 Aug 2016	37	13.21	88.31	6.7	33.38	8.1	25.1	0.81
F19	09 Aug 2016	38	13.15	88.28	6.7	33.38	8.1	25.1	0.76
F19	09 Aug 2016	39	13.05	88.52	6.5	33.39	8.0	25.1	0.74
F19	09 Aug 2016	40	12.87	88.57	6.5	33.38	8.0	25.2	0.75
F19	09 Aug 2016	41	12.84	88.63	6.5	33.38	8.0	25.2	0.79
F19	09 Aug 2016	42	12.86	88.68	6.5	33.38	8.0	25.2	0.86
F19	09 Aug 2016	43	12.80	88.62	6.5	33.38	8.0	25.2	0.88
F19	09 Aug 2016	44	12.68	88.85	6.4	33.38	8.0	25.2	0.77
F19	09 Aug 2016	45	12.72	88.82	6.4	33.39	8.0	25.2	0.71
F19	09 Aug 2016	46	12.67	88.96	6.3	33.39	8.0	25.2	0.70
F19	09 Aug 2016	47	12.50	89.06	6.2	33.40	8.0	25.2	0.60
F19	09 Aug 2016	48	12.38	89.18	6.2	33.40	8.0	25.3	0.60
F19	09 Aug 2016	49	12.29	89.40	6.0	33.41	8.0	25.3	0.49
F19	09 Aug 2016	50	12.23	89.38	5.8	33.42	8.0	25.3	0.40
F19	09 Aug 2016	51	12.05	89.18	5.6	33.42	8.0	25.4	0.35
F19	09 Aug 2016	52	11.92	88.13	5.5	33.42	8.0	25.4	0.33
F19	09 Aug 2016	53	11.90	87.39	5.4	33.43	7.9	25.4	0.32
F19	09 Aug 2016	54	11.88	87.16	5.4	33.44	7.9	25.4	0.30
F19	09 Aug 2016	55	11.84	87.44	5.3	33.45	7.9	25.4	0.31
F19	09 Aug 2016	56	11.80	87.15	5.3	33.45	7.9	25.4	0.31
F19	09 Aug 2016	57	11.76	87.10	5.3	33.45	7.9	25.4	0.30
F19	09 Aug 2016	58	11.66	87.49	5.2	33.46	7.9	25.5	0.29
F19	09 Aug 2016	59	11.63	87.38	5.2	33.46	7.9	25.5	0.29
F19	09 Aug 2016	60	11.62	87.03	5.1	33.46	7.9	25.5	0.29
F19	09 Aug 2016	61	11.61	86.84	5.1	33.46	7.9	25.5	0.29
F19	09 Aug 2016	62	11.60	86.67	5.1	33.46	7.9	25.5	0.29
F19	09 Aug 2016	63	11.59	86.44	5.1	33.46	7.9	25.5	0.28
F19	09 Aug 2016	64	11.59	86.51	5.1	33.46	7.9	25.5	0.28
F19	09 Aug 2016	65	11.58	86.51	5.1	33.46	7.9	25.5	0.27
F19	09 Aug 2016	66	11.58	86.51	5.1	33.46	7.9	25.5	0.27
F19	09 Aug 2016	67	11.57	86.40	5.0	33.46	7.9	25.5	0.26
F19	09 Aug 2016	68	11.57	86.33	5.0	33.46	7.9	25.5	0.27
F19	09 Aug 2016	69	11.56	86.15	5.0	33.46	7.9	25.5	0.27
F19	09 Aug 2016	70	11.52	85.80	4.9	33.47	7.9	25.5	0.27
F19	09 Aug 2016	71	11.36	85.28	4.8	33.48	7.9	25.5	0.27
F19	09 Aug 2016	72	11.31	85.22	4.7	33.49	7.9	25.5	0.26
F19	09 Aug 2016	73	11.29	85.07	4.7	33.49	7.9	25.5	0.24
F19	09 Aug 2016	74	11.26	85.07	4.6	33.49	7.9	25.6	0.23
F19	09 Aug 2016	75	11.22	84.94	4.6	33.49	7.9	25.6	0.23
F19	09 Aug 2016	76	11.25	84.55	4.6	33.49	7.8	25.6	0.24
F19	09 Aug 2016	77	11.20	84.20	4.5	33.50	7.8	25.6	0.24
F19	09 Aug 2016	78	11.19	83.92	4.5	33.50	7.8	25.6	0.23
F19	09 Aug 2016	79	11.16	82.84	4.4	33.50	7.8	25.6	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F19	09 Aug 2016	80	11.10	82.30	4.3	33.51	7.8	25.6	0.20
F19	09 Aug 2016	81	11.07	75.24	4.2	33.52	7.8	25.6	0.19
F20	09 Aug 2016	1	23.53	80.26	8.3	33.72	8.4	22.8	1.14
F20	09 Aug 2016	2	23.52	80.62	8.3	33.72	8.4	22.8	1.29
F20	09 Aug 2016	3	23.52	80.80	8.3	33.72	8.4	22.8	1.45
F20	09 Aug 2016	4	23.51	80.77	8.3	33.72	8.4	22.8	1.56
F20	09 Aug 2016	5	23.51	80.72	8.3	33.72	8.4	22.8	1.66
F20	09 Aug 2016	6	23.49	80.73	8.2	33.72	8.4	22.8	1.84
F20	09 Aug 2016	7	22.78	79.93	8.2	33.69	8.4	23.0	2.16
F20	09 Aug 2016	8	21.06	80.14	8.4	33.55	8.3	23.4	2.68
F20	09 Aug 2016	9	20.60	80.65	8.0	33.52	8.3	23.5	2.68
F20	09 Aug 2016	10	19.95	81.27	8.1	33.50	8.3	23.6	2.69
F20	09 Aug 2016	11	19.14	82.36	8.6	33.47	8.3	23.8	2.46
F20	09 Aug 2016	12	18.82	83.74	8.8	33.46	8.3	23.9	2.35
F20	09 Aug 2016	13	18.45	84.53	8.9	33.45	8.3	24.0	2.07
F20	09 Aug 2016	14	18.11	85.09	9.0	33.44	8.3	24.1	1.92
F20	09 Aug 2016	15	18.06	85.21	8.8	33.44	8.2	24.1	1.95
F20	09 Aug 2016	16	17.92	85.24	8.8	33.44	8.2	24.1	1.85
F20	09 Aug 2016	17	17.35	85.64	9.0	33.43	8.2	24.2	1.73
F20	09 Aug 2016	18	17.38	85.71	9.0	33.43	8.2	24.2	1.64
F20	09 Aug 2016	19	16.97	86.44	8.9	33.42	8.2	24.3	1.55
F20	09 Aug 2016	20	16.70	86.63	9.0	33.42	8.2	24.4	1.49
F20	09 Aug 2016	21	16.61	86.52	8.8	33.42	8.2	24.4	1.45
F20	09 Aug 2016	22	16.08	86.66	8.7	33.41	8.2	24.5	1.52
F20	09 Aug 2016	23	15.52	86.72	8.7	33.37	8.2	24.6	1.55
F20	09 Aug 2016	24	15.09	87.14	8.8	33.34	8.2	24.7	1.42
F20	09 Aug 2016	25	15.39	87.01	8.7	33.36	8.2	24.6	1.47
F20	09 Aug 2016	26	15.00	87.27	8.6	33.35	8.2	24.7	1.43
F20	09 Aug 2016	27	14.70	87.58	8.5	33.34	8.2	24.8	1.54
F20	09 Aug 2016	28	14.63	87.41	8.4	33.34	8.2	24.8	1.54
F20	09 Aug 2016	29	14.44	87.53	8.1	33.35	8.2	24.8	1.53
F20	09 Aug 2016	30	14.30	87.48	7.9	33.36	8.2	24.9	1.53
F20	09 Aug 2016	31	14.13	87.45	7.8	33.37	8.1	24.9	1.62
F20	09 Aug 2016	32	14.19	87.37	7.7	33.36	8.1	24.9	1.67
F20	09 Aug 2016	33	13.91	87.39	7.4	33.37	8.1	24.9	1.63
F20	09 Aug 2016	34	13.68	87.40	7.3	33.37	8.1	25.0	1.45
F20	09 Aug 2016	35	13.63	87.72	7.2	33.37	8.1	25.0	1.29
F20	09 Aug 2016	36	13.57	87.88	7.1	33.37	8.1	25.0	1.21
F20	09 Aug 2016	37	13.44	87.83	7.0	33.38	8.1	25.0	1.27
F20	09 Aug 2016	38	13.37	87.82	6.9	33.38	8.1	25.1	1.30
F20	09 Aug 2016	39	13.34	87.80	6.9	33.38	8.1	25.1	1.31
F20	09 Aug 2016	40	13.30	87.78	6.8	33.38	8.1	25.1	1.39
F20	09 Aug 2016	41	13.25	87.76	6.7	33.38	8.0	25.1	1.29
F20	09 Aug 2016	42	13.14	88.02	6.6	33.39	8.0	25.1	1.06
F20	09 Aug 2016	43	13.05	88.17	6.5	33.39	8.0	25.1	1.08
F20	09 Aug 2016	44	12.99	88.08	6.5	33.39	8.0	25.1	1.06
F20	09 Aug 2016	45	12.95	88.06	6.4	33.39	8.0	25.2	1.05
F20	09 Aug 2016	46	12.89	88.03	6.3	33.39	8.0	25.2	1.01
F20	09 Aug 2016	47	12.75	88.04	6.3	33.40	8.0	25.2	0.88
F20	09 Aug 2016	48	12.67	88.26	6.1	33.42	8.0	25.2	0.67
F20	09 Aug 2016	49	12.61	88.47	6.0	33.42	8.0	25.2	0.54
F20	09 Aug 2016	50	12.51	88.24	5.9	33.42	8.0	25.3	0.48
F20	09 Aug 2016	51	12.41	88.13	5.8	33.43	8.0	25.3	0.46
F20	09 Aug 2016	52	12.33	88.12	5.7	33.43	8.0	25.3	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F20	09 Aug 2016	53	12.07	88.52	5.7	33.44	8.0	25.4	0.42
F20	09 Aug 2016	54	12.05	88.32	5.6	33.44	8.0	25.4	0.39
F20	09 Aug 2016	55	12.01	88.49	5.6	33.44	8.0	25.4	0.43
F20	09 Aug 2016	56	11.88	88.58	5.6	33.45	8.0	25.4	0.43
F20	09 Aug 2016	57	11.75	88.71	5.5	33.45	8.0	25.4	0.37
F20	09 Aug 2016	58	11.69	88.84	5.4	33.45	7.9	25.4	0.34
F20	09 Aug 2016	59	11.64	88.84	5.4	33.45	7.9	25.5	0.32
F20	09 Aug 2016	60	11.62	88.74	5.3	33.45	7.9	25.5	0.30
F20	09 Aug 2016	61	11.50	88.47	5.2	33.46	7.9	25.5	0.27
F20	09 Aug 2016	62	11.45	87.96	5.2	33.46	7.9	25.5	0.26
F20	09 Aug 2016	63	11.43	88.04	5.1	33.47	7.9	25.5	0.25
F20	09 Aug 2016	64	11.41	88.13	5.1	33.47	7.9	25.5	0.25
F20	09 Aug 2016	65	11.39	88.20	5.1	33.47	7.9	25.5	0.25
F20	09 Aug 2016	66	11.37	88.37	5.1	33.47	7.9	25.5	0.23
F20	09 Aug 2016	67	11.36	88.42	5.1	33.47	7.9	25.5	0.24
F20	09 Aug 2016	68	11.35	88.24	5.1	33.47	7.9	25.5	0.24
F20	09 Aug 2016	69	11.33	88.19	5.0	33.47	7.9	25.5	0.24
F20	09 Aug 2016	70	11.30	87.91	5.0	33.47	7.9	25.5	0.23
F20	09 Aug 2016	71	11.29	87.88	4.9	33.47	7.9	25.5	0.22
F20	09 Aug 2016	72	11.28	87.26	4.9	33.48	7.9	25.5	0.22
F20	09 Aug 2016	73	11.27	87.13	4.9	33.48	7.9	25.5	0.22
F20	09 Aug 2016	74	11.25	86.72	4.8	33.48	7.9	25.6	0.22
F20	09 Aug 2016	75	11.20	86.96	4.8	33.49	7.9	25.6	0.22
F20	09 Aug 2016	76	11.18	86.94	4.8	33.49	7.9	25.6	0.21
F20	09 Aug 2016	77	11.18	87.26	4.8	33.49	7.9	25.6	0.22
F20	09 Aug 2016	78	11.15	86.01	4.7	33.50	7.9	25.6	0.21
F20	09 Aug 2016	79	11.13	85.40	4.7	33.50	7.9	25.6	0.21
F20	09 Aug 2016	80	11.11	86.29	4.7	33.50	7.9	25.6	0.21
F20	09 Aug 2016	81	11.09	86.15	4.6	33.51	7.9	25.6	0.21
F20	09 Aug 2016	82	11.08	82.79	4.6	33.52	7.8	25.6	0.21
F20	09 Aug 2016	83	11.08	80.98	4.6	33.52	7.8	25.6	0.20
F21	09 Aug 2016	1	23.56	79.90	8.3	33.72	8.4	22.8	1.44
F21	09 Aug 2016	2	23.56	80.54	8.3	33.72	8.4	22.8	1.50
F21	09 Aug 2016	3	23.55	80.97	8.3	33.72	8.4	22.8	1.71
F21	09 Aug 2016	4	23.55	81.06	8.3	33.72	8.4	22.8	1.74
F21	09 Aug 2016	5	23.55	81.02	8.3	33.72	8.4	22.8	1.76
F21	09 Aug 2016	6	23.55	81.10	8.3	33.72	8.4	22.8	1.80
F21	09 Aug 2016	7	23.47	80.95	8.2	33.72	8.4	22.8	2.01
F21	09 Aug 2016	8	22.57	80.49	8.3	33.62	8.3	23.0	2.48
F21	09 Aug 2016	9	21.67	80.26	8.3	33.60	8.3	23.2	2.77
F21	09 Aug 2016	10	19.60	81.10	8.7	33.51	8.3	23.7	2.74
F21	09 Aug 2016	11	19.02	82.94	8.8	33.47	8.3	23.8	2.47
F21	09 Aug 2016	12	18.82	83.73	8.8	33.46	8.3	23.9	2.39
F21	09 Aug 2016	13	18.55	83.95	8.7	33.45	8.2	23.9	2.34
F21	09 Aug 2016	14	18.31	84.27	8.6	33.44	8.2	24.0	2.25
F21	09 Aug 2016	15	18.14	84.68	8.6	33.45	8.2	24.0	2.26
F21	09 Aug 2016	16	17.97	84.77	8.6	33.44	8.2	24.1	2.22
F21	09 Aug 2016	17	17.86	85.05	8.7	33.44	8.2	24.1	2.15
F21	09 Aug 2016	18	17.79	85.28	8.7	33.44	8.2	24.1	2.10
F21	09 Aug 2016	19	17.35	86.01	8.7	33.45	8.2	24.2	1.86
F21	09 Aug 2016	20	16.96	86.28	8.8	33.44	8.2	24.3	1.64
F21	09 Aug 2016	21	16.63	86.51	8.9	33.42	8.2	24.4	1.60
F21	09 Aug 2016	22	16.47	86.58	8.8	33.42	8.2	24.4	1.60
F21	09 Aug 2016	23	15.82	86.65	8.8	33.39	8.2	24.5	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F21	09 Aug 2016	24	15.71	86.95	8.8	33.38	8.2	24.6	1.55
F21	09 Aug 2016	25	15.57	86.98	8.8	33.37	8.2	24.6	1.49
F21	09 Aug 2016	26	15.34	87.16	8.8	33.36	8.2	24.6	1.47
F21	09 Aug 2016	27	15.16	87.32	8.7	33.35	8.2	24.7	1.47
F21	09 Aug 2016	28	15.12	87.32	8.7	33.35	8.2	24.7	1.45
F21	09 Aug 2016	29	14.97	87.34	8.6	33.35	8.2	24.7	1.39
F21	09 Aug 2016	30	14.73	87.38	8.5	33.35	8.2	24.8	1.46
F21	09 Aug 2016	31	14.70	87.58	8.4	33.35	8.2	24.8	1.41
F21	09 Aug 2016	32	14.56	87.61	8.3	33.36	8.2	24.8	1.46
F21	09 Aug 2016	33	14.42	87.63	8.1	33.36	8.2	24.8	1.46
F21	09 Aug 2016	34	14.32	87.57	8.0	33.36	8.2	24.9	1.50
F21	09 Aug 2016	35	14.26	87.40	7.8	33.37	8.1	24.9	1.59
F21	09 Aug 2016	36	14.00	87.37	7.5	33.37	8.1	24.9	1.61
F21	09 Aug 2016	37	13.86	87.27	7.4	33.37	8.1	25.0	1.69
F21	09 Aug 2016	38	13.88	87.37	7.4	33.37	8.1	25.0	1.57
F21	09 Aug 2016	39	13.75	87.51	7.3	33.37	8.1	25.0	1.43
F21	09 Aug 2016	40	13.72	87.65	7.2	33.37	8.1	25.0	1.39
F21	09 Aug 2016	41	13.61	87.75	7.1	33.38	8.1	25.0	1.32
F21	09 Aug 2016	42	13.49	88.04	6.9	33.38	8.1	25.0	1.09
F21	09 Aug 2016	43	13.37	88.18	6.7	33.39	8.1	25.1	0.90
F21	09 Aug 2016	44	13.28	87.99	6.4	33.41	8.0	25.1	0.72
F21	09 Aug 2016	45	13.12	87.70	6.2	33.41	8.0	25.1	0.59
F21	09 Aug 2016	46	13.01	87.71	6.2	33.41	8.0	25.2	0.53
F21	09 Aug 2016	47	12.90	88.09	6.3	33.41	8.0	25.2	0.60
F21	09 Aug 2016	48	12.86	88.21	6.3	33.40	8.0	25.2	0.67
F21	09 Aug 2016	49	12.80	88.29	6.3	33.40	8.0	25.2	0.75
F21	09 Aug 2016	50	12.74	88.48	6.2	33.41	8.0	25.2	0.72
F21	09 Aug 2016	51	12.62	88.46	6.0	33.42	8.0	25.2	0.59
F21	09 Aug 2016	52	12.47	88.91	6.0	33.41	8.0	25.3	0.49
F21	09 Aug 2016	53	12.38	89.20	6.0	33.42	8.0	25.3	0.48
F21	09 Aug 2016	54	12.32	89.13	5.9	33.42	8.0	25.3	0.43
F21	09 Aug 2016	55	12.28	88.92	5.8	33.43	8.0	25.3	0.40
F21	09 Aug 2016	56	12.07	88.49	5.6	33.44	8.0	25.4	0.40
F21	09 Aug 2016	57	12.00	88.36	5.6	33.44	8.0	25.4	0.42
F21	09 Aug 2016	58	11.88	88.55	5.6	33.44	8.0	25.4	0.40
F21	09 Aug 2016	59	11.83	88.28	5.4	33.45	7.9	25.4	0.35
F21	09 Aug 2016	60	11.70	87.55	5.3	33.46	7.9	25.4	0.33
F21	09 Aug 2016	61	11.63	87.53	5.2	33.46	7.9	25.5	0.30
F21	09 Aug 2016	62	11.64	87.69	5.3	33.46	7.9	25.5	0.30
F21	09 Aug 2016	63	11.63	87.69	5.3	33.46	7.9	25.5	0.28
F21	09 Aug 2016	64	11.60	87.78	5.2	33.46	7.9	25.5	0.28
F21	09 Aug 2016	65	11.56	87.96	5.2	33.47	7.9	25.5	0.28
F21	09 Aug 2016	66	11.52	87.74	5.2	33.47	7.9	25.5	0.28
F21	09 Aug 2016	67	11.42	88.04	5.1	33.47	7.9	25.5	0.25
F21	09 Aug 2016	68	11.34	88.28	5.1	33.48	7.9	25.5	0.26
F21	09 Aug 2016	69	11.33	88.37	5.1	33.48	7.9	25.5	0.22
F21	09 Aug 2016	70	11.26	88.41	5.0	33.48	7.9	25.5	0.23
F21	09 Aug 2016	71	11.19	88.22	4.9	33.49	7.9	25.6	0.21
F21	09 Aug 2016	72	11.13	88.17	4.8	33.50	7.9	25.6	0.21
F21	09 Aug 2016	73	11.07	88.06	4.8	33.51	7.9	25.6	0.19
F21	09 Aug 2016	74	11.02	87.85	4.7	33.51	7.9	25.6	0.19
F21	09 Aug 2016	75	11.00	87.43	4.7	33.52	7.9	25.6	0.17
F21	09 Aug 2016	76	10.99	85.92	4.6	33.52	7.9	25.6	0.19
F21	09 Aug 2016	77	10.99	85.14	4.6	33.52	7.9	25.6	0.18
F21	09 Aug 2016	78	10.99	84.76	4.6	33.52	7.8	25.6	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F21	09 Aug 2016	79	10.99	84.50	4.6	33.52	7.8	25.6	0.19
F21	09 Aug 2016	80	10.99	83.52	4.6	33.52	7.8	25.6	0.18
F21	09 Aug 2016	81	10.99	83.91	4.6	33.52	7.8	25.6	0.18
F21	09 Aug 2016	82	10.99	84.06	4.6	33.52	7.8	25.6	0.19
F22	09 Aug 2016	1	23.55	80.87	8.3	33.72	8.4	22.8	1.49
F22	09 Aug 2016	2	23.55	80.92	8.3	33.72	8.4	22.8	1.67
F22	09 Aug 2016	3	23.55	80.90	8.3	33.72	8.4	22.8	1.79
F22	09 Aug 2016	4	23.55	80.93	8.3	33.72	8.4	22.8	1.85
F22	09 Aug 2016	5	23.55	80.98	8.3	33.72	8.4	22.8	1.92
F22	09 Aug 2016	6	23.55	81.04	8.3	33.72	8.4	22.8	1.97
F22	09 Aug 2016	7	23.55	81.02	8.3	33.72	8.4	22.8	1.97
F22	09 Aug 2016	8	23.55	80.98	8.3	33.72	8.4	22.8	2.01
F22	09 Aug 2016	9	23.39	80.77	8.1	33.72	8.4	22.8	2.07
F22	09 Aug 2016	10	21.64	80.28	8.4	33.59	8.3	23.2	2.61
F22	09 Aug 2016	11	20.90	81.43	8.5	33.55	8.3	23.4	2.86
F22	09 Aug 2016	12	19.02	82.99	8.9	33.49	8.3	23.9	2.64
F22	09 Aug 2016	13	18.69	83.26	8.8	33.46	8.3	23.9	2.59
F22	09 Aug 2016	14	18.32	83.54	8.5	33.45	8.2	24.0	2.73
F22	09 Aug 2016	15	18.05	84.14	8.4	33.44	8.2	24.1	2.64
F22	09 Aug 2016	16	17.92	84.25	8.3	33.44	8.2	24.1	2.57
F22	09 Aug 2016	17	17.70	84.56	8.2	33.44	8.2	24.1	2.41
F22	09 Aug 2016	18	17.61	84.99	8.2	33.44	8.2	24.2	2.32
F22	09 Aug 2016	19	17.14	85.55	8.3	33.43	8.2	24.3	1.99
F22	09 Aug 2016	20	16.90	86.00	8.5	33.43	8.2	24.3	1.75
F22	09 Aug 2016	21	16.87	85.90	8.4	33.43	8.2	24.3	1.79
F22	09 Aug 2016	22	16.56	86.13	8.4	33.43	8.2	24.4	1.75
F22	09 Aug 2016	23	16.27	86.39	8.4	33.41	8.2	24.5	1.62
F22	09 Aug 2016	24	16.45	86.41	8.3	33.42	8.2	24.4	1.58
F22	09 Aug 2016	25	15.78	86.64	8.4	33.39	8.2	24.6	1.50
F22	09 Aug 2016	26	15.54	86.94	8.5	33.38	8.2	24.6	1.45
F22	09 Aug 2016	27	15.61	86.95	8.4	33.39	8.2	24.6	1.43
F22	09 Aug 2016	28	15.15	87.30	8.4	33.37	8.2	24.7	1.50
F22	09 Aug 2016	29	14.92	87.37	8.3	33.37	8.2	24.7	1.51
F22	09 Aug 2016	30	14.76	87.35	8.3	33.37	8.2	24.8	1.48
F22	09 Aug 2016	31	14.65	87.50	8.2	33.36	8.2	24.8	1.48
F22	09 Aug 2016	32	14.55	87.57	8.2	33.36	8.2	24.8	1.44
F22	09 Aug 2016	33	14.51	87.53	8.2	33.36	8.2	24.8	1.48
F22	09 Aug 2016	34	14.42	87.51	8.1	33.36	8.2	24.8	1.49
F22	09 Aug 2016	35	14.36	87.51	8.0	33.37	8.1	24.9	1.50
F22	09 Aug 2016	36	14.40	87.49	8.0	33.37	8.1	24.8	1.53
F22	09 Aug 2016	37	14.22	87.42	7.8	33.37	8.1	24.9	1.58
F22	09 Aug 2016	38	14.07	87.50	7.7	33.37	8.1	24.9	1.61
F22	09 Aug 2016	39	14.01	87.58	7.6	33.37	8.1	24.9	1.52
F22	09 Aug 2016	40	13.94	87.32	7.5	33.37	8.1	24.9	1.65
F22	09 Aug 2016	41	13.92	87.26	7.5	33.37	8.1	24.9	1.75
F22	09 Aug 2016	42	13.88	87.27	7.4	33.37	8.1	25.0	1.74
F22	09 Aug 2016	43	13.80	87.21	7.3	33.38	8.1	25.0	1.79
F22	09 Aug 2016	44	13.76	87.08	7.2	33.38	8.1	25.0	1.83
F22	09 Aug 2016	45	13.67	87.32	7.1	33.38	8.1	25.0	1.59
F22	09 Aug 2016	46	13.48	87.86	6.9	33.38	8.1	25.0	1.25
F22	09 Aug 2016	47	13.35	88.23	6.8	33.38	8.1	25.1	1.03
F22	09 Aug 2016	48	13.26	88.35	6.7	33.38	8.0	25.1	0.88
F22	09 Aug 2016	49	13.18	88.10	6.6	33.38	8.0	25.1	1.00
F22	09 Aug 2016	50	13.14	87.89	6.5	33.38	8.0	25.1	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F22	09 Aug 2016	51	13.00	87.91	6.4	33.39	8.0	25.1	1.03
F22	09 Aug 2016	52	12.90	88.12	6.4	33.39	8.0	25.2	0.92
F22	09 Aug 2016	53	12.68	88.46	6.3	33.40	8.0	25.2	0.79
F22	09 Aug 2016	54	12.57	88.84	6.2	33.40	8.0	25.2	0.65
F22	09 Aug 2016	55	12.49	88.98	6.1	33.40	8.0	25.3	0.57
F22	09 Aug 2016	56	12.44	89.07	6.1	33.40	8.0	25.3	0.52
F22	09 Aug 2016	57	12.37	89.23	6.1	33.40	8.0	25.3	0.47
F22	09 Aug 2016	58	12.21	89.39	6.0	33.41	8.0	25.3	0.45
F22	09 Aug 2016	59	12.08	89.34	5.8	33.43	8.0	25.4	0.41
F22	09 Aug 2016	60	12.01	88.93	5.6	33.44	8.0	25.4	0.38
F22	09 Aug 2016	61	11.97	88.61	5.6	33.44	8.0	25.4	0.39
F22	09 Aug 2016	62	11.92	88.56	5.6	33.44	7.9	25.4	0.38
F22	09 Aug 2016	63	11.89	88.57	5.5	33.44	7.9	25.4	0.37
F22	09 Aug 2016	64	11.83	88.65	5.5	33.45	7.9	25.4	0.38
F22	09 Aug 2016	65	11.82	88.76	5.5	33.44	7.9	25.4	0.37
F22	09 Aug 2016	66	11.70	88.75	5.4	33.45	7.9	25.4	0.34
F22	09 Aug 2016	67	11.67	88.57	5.4	33.45	7.9	25.4	0.31
F22	09 Aug 2016	68	11.70	88.58	5.3	33.45	7.9	25.4	0.32
F22	09 Aug 2016	69	11.53	88.04	5.2	33.47	7.9	25.5	0.31
F22	09 Aug 2016	70	11.36	87.74	5.0	33.48	7.9	25.5	0.27
F22	09 Aug 2016	71	11.33	87.89	5.0	33.48	7.9	25.5	0.25
F22	09 Aug 2016	72	11.28	87.86	5.0	33.48	7.9	25.5	0.25
F22	09 Aug 2016	73	11.25	87.77	4.9	33.49	7.9	25.6	0.23
F22	09 Aug 2016	74	11.20	87.63	4.8	33.49	7.9	25.6	0.22
F22	09 Aug 2016	75	11.14	87.59	4.8	33.50	7.9	25.6	0.22
F22	09 Aug 2016	76	11.08	87.60	4.7	33.51	7.9	25.6	0.21
F22	09 Aug 2016	77	11.01	87.62	4.7	33.52	7.9	25.6	0.20
F22	09 Aug 2016	78	10.98	87.65	4.6	33.52	7.9	25.6	0.19
F22	09 Aug 2016	79	10.93	87.33	4.6	33.53	7.8	25.6	0.19
F22	09 Aug 2016	80	10.87	84.42	4.5	33.56	7.8	25.7	0.19
F22	09 Aug 2016	81	10.85	80.82	4.4	33.57	7.8	25.7	0.19
F22	09 Aug 2016	82	10.85	79.74	4.4	33.57	7.8	25.7	0.19
F22	09 Aug 2016	83	10.86	78.97	4.4	33.57	7.8	25.7	0.20
F23	09 Aug 2016	1	23.49	80.58	8.4	33.72	8.4	22.8	1.86
F23	09 Aug 2016	2	23.48	80.48	8.4	33.72	8.4	22.8	1.95
F23	09 Aug 2016	3	23.47	80.49	8.4	33.72	8.4	22.8	2.08
F23	09 Aug 2016	4	23.47	80.53	8.4	33.72	8.4	22.8	2.13
F23	09 Aug 2016	5	23.47	80.40	8.4	33.72	8.4	22.8	2.22
F23	09 Aug 2016	6	23.47	80.47	8.4	33.72	8.4	22.8	2.22
F23	09 Aug 2016	7	23.46	80.56	8.3	33.72	8.4	22.8	2.21
F23	09 Aug 2016	8	22.95	80.64	8.1	33.70	8.4	23.0	2.29
F23	09 Aug 2016	9	20.85	80.87	8.3	33.57	8.3	23.4	2.62
F23	09 Aug 2016	10	19.32	81.95	8.7	33.52	8.3	23.8	2.58
F23	09 Aug 2016	11	18.50	83.35	8.9	33.46	8.3	24.0	2.46
F23	09 Aug 2016	12	18.56	83.62	8.9	33.45	8.3	24.0	2.45
F23	09 Aug 2016	13	18.30	83.62	8.2	33.45	8.2	24.0	2.33
F23	09 Aug 2016	14	17.84	84.11	8.0	33.45	8.2	24.1	2.11
F23	09 Aug 2016	15	17.74	84.71	7.9	33.44	8.2	24.1	1.86
F23	09 Aug 2016	16	17.58	84.83	7.7	33.45	8.2	24.2	1.69
F23	09 Aug 2016	17	16.96	85.15	7.8	33.44	8.2	24.3	1.53
F23	09 Aug 2016	18	16.43	86.18	7.9	33.42	8.2	24.4	1.59
F23	09 Aug 2016	19	16.03	86.34	8.0	33.40	8.2	24.5	1.55
F23	09 Aug 2016	20	15.90	86.60	8.0	33.40	8.2	24.5	1.53
F23	09 Aug 2016	21	15.79	86.56	8.0	33.40	8.2	24.6	1.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F23	09 Aug 2016	22	15.73	86.56	8.1	33.40	8.2	24.6	1.56
F23	09 Aug 2016	23	15.70	86.65	8.0	33.40	8.2	24.6	1.55
F23	09 Aug 2016	24	15.60	86.57	8.0	33.40	8.2	24.6	1.49
F23	09 Aug 2016	25	15.56	86.82	7.8	33.40	8.2	24.6	1.40
F23	09 Aug 2016	26	15.08	87.12	7.6	33.40	8.2	24.7	1.35
F23	09 Aug 2016	27	14.86	87.00	7.5	33.40	8.1	24.8	1.21
F23	09 Aug 2016	28	14.72	87.22	7.7	33.39	8.1	24.8	1.24
F23	09 Aug 2016	29	14.58	87.34	8.0	33.38	8.1	24.8	1.33
F23	09 Aug 2016	30	14.47	87.47	8.0	33.38	8.1	24.8	1.36
F23	09 Aug 2016	31	14.40	87.32	8.0	33.37	8.1	24.8	1.35
F23	09 Aug 2016	32	14.35	87.68	7.9	33.38	8.1	24.9	1.28
F23	09 Aug 2016	33	14.32	87.64	7.9	33.38	8.1	24.9	1.27
F23	09 Aug 2016	34	14.22	87.39	7.8	33.38	8.1	24.9	1.43
F23	09 Aug 2016	35	14.16	87.25	7.7	33.38	8.1	24.9	1.48
F23	09 Aug 2016	36	14.14	87.27	7.6	33.38	8.1	24.9	1.55
F23	09 Aug 2016	37	14.12	87.18	7.6	33.38	8.1	24.9	1.64
F23	09 Aug 2016	38	13.88	87.26	7.3	33.38	8.1	25.0	1.69
F23	09 Aug 2016	39	13.71	87.12	7.1	33.38	8.1	25.0	1.66
F23	09 Aug 2016	40	13.51	87.58	6.9	33.39	8.1	25.0	1.51
F23	09 Aug 2016	41	13.35	87.76	6.7	33.39	8.1	25.1	1.21
F23	09 Aug 2016	42	13.22	87.69	6.6	33.39	8.0	25.1	1.29
F23	09 Aug 2016	43	13.19	87.45	6.5	33.39	8.0	25.1	1.30
F23	09 Aug 2016	44	12.97	87.47	6.4	33.40	8.0	25.2	1.35
F23	09 Aug 2016	45	12.83	88.13	6.4	33.39	8.0	25.2	1.04
F23	09 Aug 2016	46	12.76	88.78	6.3	33.39	8.0	25.2	0.82
F23	09 Aug 2016	47	12.58	89.08	6.2	33.40	8.0	25.2	0.61
F23	09 Aug 2016	48	12.44	89.19	6.1	33.40	8.0	25.3	0.51
F23	09 Aug 2016	49	12.34	89.36	6.0	33.41	8.0	25.3	0.48
F23	09 Aug 2016	50	12.32	89.34	5.9	33.41	8.0	25.3	0.42
F23	09 Aug 2016	51	12.30	89.14	5.8	33.42	8.0	25.3	0.39
F23	09 Aug 2016	52	12.26	88.83	5.7	33.42	8.0	25.3	0.36
F23	09 Aug 2016	53	12.21	88.55	5.6	33.43	8.0	25.3	0.34
F23	09 Aug 2016	54	12.09	88.20	5.5	33.44	8.0	25.4	0.33
F23	09 Aug 2016	55	12.04	87.51	5.5	33.44	7.9	25.4	0.31
F23	09 Aug 2016	56	12.02	87.27	5.4	33.44	7.9	25.4	0.33
F23	09 Aug 2016	57	12.01	87.24	5.4	33.44	7.9	25.4	0.31
F23	09 Aug 2016	58	11.95	87.21	5.4	33.44	7.9	25.4	0.31
F23	09 Aug 2016	59	11.87	86.52	5.3	33.45	7.9	25.4	0.31
F23	09 Aug 2016	60	11.82	86.03	5.2	33.45	7.9	25.4	0.29
F23	09 Aug 2016	61	11.78	86.56	5.2	33.45	7.9	25.4	0.29
F23	09 Aug 2016	62	11.77	86.89	5.2	33.45	7.9	25.4	0.29
F23	09 Aug 2016	63	11.75	87.01	5.2	33.45	7.9	25.4	0.29
F23	09 Aug 2016	64	11.74	87.00	5.2	33.45	7.9	25.4	0.28
F23	09 Aug 2016	65	11.73	87.00	5.2	33.45	7.9	25.4	0.28
F23	09 Aug 2016	66	11.72	86.90	5.2	33.45	7.9	25.4	0.28
F23	09 Aug 2016	67	11.72	86.88	5.2	33.45	7.9	25.4	0.27
F23	09 Aug 2016	68	11.72	86.88	5.2	33.45	7.9	25.4	0.28
F23	09 Aug 2016	69	11.71	86.87	5.1	33.45	7.9	25.4	0.27
F23	09 Aug 2016	70	11.69	86.55	5.1	33.45	7.9	25.4	0.27
F23	09 Aug 2016	71	11.59	84.74	4.9	33.46	7.9	25.5	0.28
F23	09 Aug 2016	72	11.54	82.77	4.8	33.46	7.9	25.5	0.30
F23	09 Aug 2016	73	11.53	82.20	4.8	33.46	7.9	25.5	0.27
F23	09 Aug 2016	74	11.50	82.16	4.8	33.46	7.9	25.5	0.26
F23	09 Aug 2016	75	11.46	81.77	4.8	33.47	7.9	25.5	0.25
F23	09 Aug 2016	76	11.41	80.92	4.7	33.47	7.9	25.5	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F23	09 Aug 2016	77	11.40	80.33	4.7	33.47	7.9	25.5	0.25
F23	09 Aug 2016	78	11.40	79.99	4.7	33.48	7.9	25.5	0.24
F23	09 Aug 2016	79	11.39	79.65	4.7	33.48	7.9	25.5	0.24
F23	09 Aug 2016	80	11.29	79.11	4.6	33.49	7.9	25.5	0.23
F23	09 Aug 2016	81	11.20	76.46	4.5	33.50	7.8	25.6	0.22
F24	09 Aug 2016	1	23.51	80.44	8.5	33.72	8.4	22.8	1.90
F24	09 Aug 2016	2	23.49	80.45	8.5	33.72	8.4	22.8	2.02
F24	09 Aug 2016	3	23.49	80.54	8.5	33.72	8.4	22.8	2.10
F24	09 Aug 2016	4	23.49	80.58	8.5	33.72	8.4	22.8	2.12
F24	09 Aug 2016	5	23.49	80.61	8.5	33.72	8.4	22.8	2.23
F24	09 Aug 2016	6	23.49	80.69	8.5	33.72	8.4	22.8	2.23
F24	09 Aug 2016	7	23.49	80.65	8.5	33.72	8.4	22.8	2.23
F24	09 Aug 2016	8	23.48	80.78	8.2	33.72	8.4	22.8	2.28
F24	09 Aug 2016	9	22.25	80.76	8.0	33.66	8.4	23.1	2.44
F24	09 Aug 2016	10	20.43	80.88	8.4	33.54	8.3	23.5	2.58
F24	09 Aug 2016	11	19.84	81.69	8.5	33.51	8.3	23.7	2.56
F24	09 Aug 2016	12	18.20	84.07	8.5	33.48	8.3	24.1	2.08
F24	09 Aug 2016	13	17.63	84.87	8.3	33.43	8.2	24.2	1.85
F24	09 Aug 2016	14	17.56	85.25	8.2	33.42	8.2	24.2	1.67
F24	09 Aug 2016	15	17.32	85.47	8.0	33.43	8.2	24.2	1.44
F24	09 Aug 2016	16	17.09	85.80	7.7	33.43	8.2	24.3	1.24
F24	09 Aug 2016	17	16.44	86.07	7.5	33.43	8.2	24.4	1.10
F24	09 Aug 2016	18	15.84	86.56	7.4	33.41	8.2	24.6	1.01
F24	09 Aug 2016	19	15.78	86.74	7.4	33.40	8.1	24.6	1.03
F24	09 Aug 2016	20	15.46	86.82	7.5	33.40	8.1	24.6	1.02
F24	09 Aug 2016	21	15.30	87.11	7.7	33.39	8.1	24.7	1.16
F24	09 Aug 2016	22	15.25	87.11	7.7	33.39	8.1	24.7	1.19
F24	09 Aug 2016	23	15.23	87.08	7.7	33.40	8.1	24.7	1.20
F24	09 Aug 2016	24	15.20	87.11	7.7	33.40	8.1	24.7	1.22
F24	09 Aug 2016	25	15.16	87.09	7.6	33.40	8.1	24.7	1.18
F24	09 Aug 2016	26	15.07	87.14	7.7	33.40	8.1	24.7	1.29
F24	09 Aug 2016	27	15.04	86.99	7.6	33.40	8.1	24.7	1.34
F24	09 Aug 2016	28	14.76	86.98	7.6	33.40	8.1	24.8	1.44
F24	09 Aug 2016	29	14.59	86.89	7.5	33.40	8.1	24.8	1.50
F24	09 Aug 2016	30	14.36	86.93	7.4	33.40	8.1	24.9	1.53
F24	09 Aug 2016	31	14.11	86.93	7.4	33.39	8.1	24.9	1.71
F24	09 Aug 2016	32	14.06	86.84	7.3	33.39	8.1	24.9	1.83
F24	09 Aug 2016	33	13.88	86.67	7.1	33.39	8.1	25.0	1.69
F24	09 Aug 2016	34	13.54	87.06	7.0	33.39	8.1	25.0	1.62
F24	09 Aug 2016	35	13.62	87.34	6.9	33.39	8.1	25.0	1.56
F24	09 Aug 2016	36	13.32	87.38	6.7	33.39	8.1	25.1	1.54
F24	09 Aug 2016	37	13.28	87.30	6.7	33.39	8.0	25.1	1.54
F24	09 Aug 2016	38	13.20	87.46	6.6	33.39	8.0	25.1	1.45
F24	09 Aug 2016	39	13.07	87.49	6.5	33.39	8.0	25.1	1.43
F24	09 Aug 2016	40	13.02	87.37	6.4	33.39	8.0	25.1	1.30
F24	09 Aug 2016	41	12.99	87.78	6.4	33.40	8.0	25.2	1.12
F24	09 Aug 2016	42	12.96	87.96	6.4	33.40	8.0	25.2	1.01
F24	09 Aug 2016	43	12.83	88.25	6.3	33.40	8.0	25.2	0.88
F24	09 Aug 2016	44	12.79	88.52	6.3	33.40	8.0	25.2	0.72
F24	09 Aug 2016	45	12.65	88.76	6.2	33.41	8.0	25.2	0.65
F24	09 Aug 2016	46	12.61	88.97	6.2	33.40	8.0	25.2	0.59
F24	09 Aug 2016	47	12.58	89.10	6.2	33.41	8.0	25.2	0.54
F24	09 Aug 2016	48	12.53	89.15	6.1	33.41	8.0	25.3	0.51
F24	09 Aug 2016	49	12.50	89.12	6.1	33.41	8.0	25.3	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F24	09 Aug 2016	50	12.47	89.22	6.0	33.41	8.0	25.3	0.43
F24	09 Aug 2016	51	12.36	88.81	5.9	33.42	8.0	25.3	0.40
F24	09 Aug 2016	52	12.29	89.04	5.8	33.42	8.0	25.3	0.36
F24	09 Aug 2016	53	12.27	89.14	5.8	33.42	8.0	25.3	0.35
F24	09 Aug 2016	54	12.25	89.11	5.8	33.42	8.0	25.3	0.34
F24	09 Aug 2016	55	12.23	89.12	5.8	33.42	8.0	25.3	0.34
F24	09 Aug 2016	56	12.21	89.12	5.7	33.42	8.0	25.3	0.35
F24	09 Aug 2016	57	12.14	89.11	5.7	33.43	8.0	25.3	0.34
F24	09 Aug 2016	58	12.09	88.96	5.7	33.43	8.0	25.4	0.34
F24	09 Aug 2016	59	12.08	88.76	5.6	33.43	8.0	25.4	0.33
F24	09 Aug 2016	60	12.07	88.45	5.6	33.43	7.9	25.4	0.35
F24	09 Aug 2016	61	12.07	88.25	5.6	33.43	7.9	25.4	0.33
F24	09 Aug 2016	62	12.06	88.11	5.5	33.44	7.9	25.4	0.33
F24	09 Aug 2016	63	12.05	88.06	5.5	33.44	7.9	25.4	0.36
F24	09 Aug 2016	64	12.03	88.14	5.5	33.44	7.9	25.4	0.34
F24	09 Aug 2016	65	11.95	88.18	5.4	33.44	7.9	25.4	0.32
F24	09 Aug 2016	66	11.93	88.11	5.4	33.44	7.9	25.4	0.31
F24	09 Aug 2016	67	11.92	87.84	5.4	33.44	7.9	25.4	0.31
F24	09 Aug 2016	68	11.90	87.91	5.4	33.44	7.9	25.4	0.31
F24	09 Aug 2016	69	11.89	87.98	5.4	33.44	7.9	25.4	0.32
F24	09 Aug 2016	70	11.87	88.00	5.4	33.44	7.9	25.4	0.30
F24	09 Aug 2016	71	11.86	88.09	5.4	33.45	7.9	25.4	0.30
F24	09 Aug 2016	72	11.82	88.13	5.3	33.45	7.9	25.4	0.30
F24	09 Aug 2016	73	11.75	87.93	5.3	33.45	7.9	25.4	0.29
F24	09 Aug 2016	74	11.71	87.63	5.2	33.45	7.9	25.4	0.27
F24	09 Aug 2016	75	11.68	87.38	5.2	33.45	7.9	25.4	0.27
F24	09 Aug 2016	76	11.66	87.02	5.1	33.45	7.9	25.5	0.27
F24	09 Aug 2016	77	11.62	86.65	5.1	33.45	7.9	25.5	0.28
F24	09 Aug 2016	78	11.62	85.88	5.0	33.45	7.9	25.5	0.28
F24	09 Aug 2016	79	11.61	84.42	4.9	33.45	7.9	25.5	0.30
F24	09 Aug 2016	80	11.54	83.18	4.8	33.46	7.9	25.5	0.28
F24	09 Aug 2016	81	11.49	81.30	4.8	33.47	7.9	25.5	0.28
F24	09 Aug 2016	82	11.41	77.68	4.7	33.47	7.9	25.5	0.25
F25	09 Aug 2016	1	23.56	80.31	8.5	33.72	8.4	22.8	2.01
F25	09 Aug 2016	2	23.56	80.35	8.5	33.72	8.4	22.8	2.22
F25	09 Aug 2016	3	23.56	80.35	8.5	33.72	8.4	22.8	2.24
F25	09 Aug 2016	4	23.55	80.33	8.5	33.72	8.4	22.8	2.37
F25	09 Aug 2016	5	23.55	80.32	8.5	33.72	8.4	22.8	2.36
F25	09 Aug 2016	6	23.55	80.29	8.5	33.72	8.4	22.8	2.41
F25	09 Aug 2016	7	23.51	80.53	8.2	33.72	8.4	22.8	2.36
F25	09 Aug 2016	8	21.79	80.83	8.1	33.62	8.3	23.2	2.49
F25	09 Aug 2016	9	20.52	80.83	8.1	33.54	8.3	23.5	2.67
F25	09 Aug 2016	10	18.63	81.85	8.9	33.47	8.3	23.9	2.39
F25	09 Aug 2016	11	18.61	83.70	8.8	33.46	8.3	23.9	2.21
F25	09 Aug 2016	12	17.99	84.42	8.8	33.44	8.2	24.1	1.92
F25	09 Aug 2016	13	17.44	85.04	8.6	33.44	8.2	24.2	1.63
F25	09 Aug 2016	14	17.39	85.72	8.4	33.43	8.2	24.2	1.46
F25	09 Aug 2016	15	16.63	86.29	8.0	33.43	8.2	24.4	1.29
F25	09 Aug 2016	16	16.31	86.47	8.0	33.41	8.2	24.5	1.09
F25	09 Aug 2016	17	15.94	86.71	7.6	33.42	8.2	24.5	1.06
F25	09 Aug 2016	18	15.72	86.66	7.5	33.41	8.2	24.6	1.00
F25	09 Aug 2016	19	15.50	86.73	7.4	33.42	8.1	24.6	1.01
F25	09 Aug 2016	20	15.25	86.74	7.2	33.42	8.1	24.7	0.92
F25	09 Aug 2016	21	15.11	86.88	7.1	33.42	8.1	24.7	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F25	09 Aug 2016	22	14.74	87.03	7.1	33.41	8.1	24.8	0.81
F25	09 Aug 2016	23	14.68	87.16	7.1	33.41	8.1	24.8	0.83
F25	09 Aug 2016	24	14.50	87.15	7.0	33.41	8.1	24.9	0.79
F25	09 Aug 2016	25	14.46	87.30	7.0	33.41	8.1	24.9	0.77
F25	09 Aug 2016	26	14.37	87.29	6.9	33.41	8.1	24.9	0.72
F25	09 Aug 2016	27	14.31	87.42	6.8	33.41	8.1	24.9	0.70
F25	09 Aug 2016	28	14.25	87.46	6.8	33.41	8.1	24.9	0.66
F25	09 Aug 2016	29	14.16	87.48	6.7	33.41	8.1	24.9	0.66
F25	09 Aug 2016	30	13.99	87.66	6.8	33.40	8.1	25.0	0.70
F25	09 Aug 2016	31	13.96	87.79	6.8	33.40	8.1	25.0	0.71
F25	09 Aug 2016	32	13.89	87.89	6.8	33.40	8.1	25.0	0.71
F25	09 Aug 2016	33	13.77	87.99	6.8	33.40	8.1	25.0	0.70
F25	09 Aug 2016	34	13.68	88.00	6.7	33.40	8.1	25.0	0.65
F25	09 Aug 2016	35	13.62	87.85	6.6	33.40	8.0	25.0	0.61
F25	09 Aug 2016	36	13.58	87.94	6.6	33.40	8.0	25.0	0.59
F25	09 Aug 2016	37	13.38	87.93	6.5	33.40	8.0	25.1	0.60
F25	09 Aug 2016	38	13.33	87.94	6.5	33.40	8.0	25.1	0.60
F25	09 Aug 2016	39	13.27	87.92	6.4	33.40	8.0	25.1	0.56
F25	09 Aug 2016	40	13.26	87.94	6.4	33.40	8.0	25.1	0.57
F25	09 Aug 2016	41	13.19	87.93	6.4	33.40	8.0	25.1	0.54
F25	09 Aug 2016	42	13.13	88.01	6.3	33.40	8.0	25.1	0.52
F25	09 Aug 2016	43	13.05	88.16	6.3	33.41	8.0	25.1	0.49
F25	09 Aug 2016	44	12.89	88.39	6.2	33.40	8.0	25.2	0.48
F25	09 Aug 2016	45	12.85	88.77	6.2	33.40	8.0	25.2	0.47
F25	09 Aug 2016	46	12.81	88.87	6.2	33.40	8.0	25.2	0.46
F25	09 Aug 2016	47	12.77	88.92	6.2	33.40	8.0	25.2	0.45
F25	09 Aug 2016	48	12.75	88.89	6.1	33.40	8.0	25.2	0.44
F25	09 Aug 2016	49	12.74	88.86	6.1	33.41	8.0	25.2	0.43
F25	09 Aug 2016	50	12.73	88.84	6.1	33.41	8.0	25.2	0.43
F25	09 Aug 2016	51	12.72	88.79	6.1	33.41	8.0	25.2	0.42
F25	09 Aug 2016	52	12.63	88.81	6.0	33.41	8.0	25.2	0.40
F25	09 Aug 2016	53	12.61	88.67	6.0	33.41	8.0	25.2	0.40
F25	09 Aug 2016	54	12.57	88.40	5.9	33.41	8.0	25.2	0.40
F25	09 Aug 2016	55	12.53	88.35	5.8	33.42	8.0	25.3	0.39
F25	09 Aug 2016	56	12.43	87.99	5.7	33.42	8.0	25.3	0.37
F25	09 Aug 2016	57	12.37	87.57	5.7	33.42	8.0	25.3	0.37
F25	09 Aug 2016	58	12.36	87.54	5.7	33.42	8.0	25.3	0.36
F25	09 Aug 2016	59	12.36	87.51	5.7	33.42	8.0	25.3	0.36
F25	09 Aug 2016	60	12.36	87.51	5.7	33.42	7.9	25.3	0.34
F25	09 Aug 2016	61	12.36	87.49	5.6	33.42	7.9	25.3	0.35
F25	09 Aug 2016	62	12.35	87.50	5.6	33.42	7.9	25.3	0.34
F25	09 Aug 2016	63	12.34	87.46	5.6	33.43	7.9	25.3	0.35
F25	09 Aug 2016	64	12.28	87.37	5.5	33.43	7.9	25.3	0.34
F25	09 Aug 2016	65	12.09	87.10	5.4	33.44	7.9	25.4	0.34
F25	09 Aug 2016	66	12.02	86.83	5.4	33.44	7.9	25.4	0.34
F25	09 Aug 2016	67	11.99	86.89	5.4	33.44	7.9	25.4	0.34
F25	09 Aug 2016	68	11.99	86.92	5.4	33.44	7.9	25.4	0.33
F25	09 Aug 2016	69	11.97	86.96	5.3	33.44	7.9	25.4	0.34
F25	09 Aug 2016	70	11.97	86.97	5.3	33.44	7.9	25.4	0.34
F25	09 Aug 2016	71	11.95	86.80	5.3	33.44	7.9	25.4	0.33
F25	09 Aug 2016	72	11.93	86.25	5.2	33.44	7.9	25.4	0.33
F25	09 Aug 2016	73	11.91	85.22	5.2	33.44	7.9	25.4	0.32
F25	09 Aug 2016	74	11.79	84.61	5.1	33.45	7.9	25.4	0.33
F25	09 Aug 2016	75	11.70	84.67	5.0	33.45	7.9	25.4	0.31
F25	09 Aug 2016	76	11.68	84.56	4.9	33.45	7.9	25.4	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F25	09 Aug 2016	77	11.53	82.14	4.8	33.46	7.9	25.5	0.30
F25	09 Aug 2016	78	11.45	80.59	4.7	33.46	7.9	25.5	0.29
F25	09 Aug 2016	79	11.41	79.21	4.7	33.47	7.9	25.5	0.28
F25	09 Aug 2016	80	11.38	78.38	4.7	33.47	7.9	25.5	0.26
F25	09 Aug 2016	81	11.37	77.45	4.6	33.47	7.9	25.5	0.24
F26	10 Aug 2016	1	23.96	79.40	8.4	33.73	8.4	22.7	0.87
F26	10 Aug 2016	2	23.92	79.86	8.4	33.73	8.4	22.7	0.91
F26	10 Aug 2016	3	23.82	79.66	8.4	33.73	8.4	22.7	1.03
F26	10 Aug 2016	4	23.79	79.81	8.4	33.73	8.4	22.7	1.12
F26	10 Aug 2016	5	23.77	79.79	8.5	33.73	8.4	22.7	1.24
F26	10 Aug 2016	6	23.75	79.87	8.5	33.73	8.4	22.8	1.38
F26	10 Aug 2016	7	23.74	79.92	8.4	33.73	8.4	22.8	1.51
F26	10 Aug 2016	8	23.71	80.14	8.4	33.73	8.4	22.8	1.61
F26	10 Aug 2016	9	23.66	80.27	8.4	33.72	8.4	22.8	1.80
F26	10 Aug 2016	10	23.46	80.16	8.4	33.70	8.4	22.8	2.06
F26	10 Aug 2016	11	23.08	79.38	8.4	33.67	8.4	22.9	2.49
F26	10 Aug 2016	12	22.02	78.52	8.5	33.61	8.3	23.2	3.19
F26	10 Aug 2016	13	20.45	80.89	8.8	33.52	8.3	23.5	2.94
F26	10 Aug 2016	14	19.70	82.76	8.9	33.48	8.3	23.7	2.53
F26	10 Aug 2016	15	19.00	83.92	9.0	33.47	8.3	23.8	2.17
F26	10 Aug 2016	16	18.34	84.60	8.8	33.46	8.3	24.0	1.91
F26	10 Aug 2016	17	17.84	85.65	8.9	33.46	8.2	24.1	1.69
F26	10 Aug 2016	18	17.46	85.61	8.9	33.45	8.2	24.2	1.43
F26	10 Aug 2016	19	17.23	86.37	8.8	33.45	8.2	24.3	1.27
F26	10 Aug 2016	20	16.92	86.58	8.8	33.44	8.2	24.3	1.25
F26	10 Aug 2016	21	16.60	86.73	8.8	33.44	8.2	24.4	1.15
F26	10 Aug 2016	22	16.51	86.90	8.8	33.43	8.2	24.4	1.06
F26	10 Aug 2016	23	16.22	86.98	8.6	33.43	8.2	24.5	1.00
F26	10 Aug 2016	24	15.82	87.28	8.4	33.42	8.2	24.6	0.96
F26	10 Aug 2016	25	15.00	87.56	8.1	33.40	8.2	24.7	0.87
F26	10 Aug 2016	26	14.95	87.68	8.0	33.40	8.2	24.7	0.83
F26	10 Aug 2016	27	14.68	87.71	7.8	33.40	8.1	24.8	0.81
F26	10 Aug 2016	28	14.63	87.78	7.6	33.40	8.1	24.8	0.76
F26	10 Aug 2016	29	14.55	87.72	7.3	33.41	8.1	24.8	0.73
F26	10 Aug 2016	30	14.35	87.65	7.0	33.41	8.1	24.9	0.66
F26	10 Aug 2016	31	14.12	87.54	6.9	33.41	8.1	24.9	0.64
F26	10 Aug 2016	32	13.90	87.99	6.9	33.40	8.1	25.0	0.64
F26	10 Aug 2016	33	13.57	88.20	6.6	33.40	8.1	25.0	0.59
F26	10 Aug 2016	34	13.45	88.26	6.6	33.40	8.0	25.1	0.58
F26	10 Aug 2016	35	13.22	88.12	6.4	33.41	8.0	25.1	0.55
F26	10 Aug 2016	36	13.02	88.10	6.2	33.41	8.0	25.2	0.48
F26	10 Aug 2016	37	12.91	88.61	6.3	33.40	8.0	25.2	0.46
F26	10 Aug 2016	38	12.84	88.74	6.3	33.40	8.0	25.2	0.47
F26	10 Aug 2016	39	12.82	88.84	6.2	33.41	8.0	25.2	0.48
F26	10 Aug 2016	40	12.58	88.76	6.1	33.41	8.0	25.2	0.46
F26	10 Aug 2016	41	12.50	88.74	6.0	33.42	8.0	25.3	0.47
F26	10 Aug 2016	42	12.43	88.92	6.0	33.42	8.0	25.3	0.49
F26	10 Aug 2016	43	12.25	88.94	5.9	33.42	8.0	25.3	0.47
F26	10 Aug 2016	44	12.21	88.84	5.8	33.42	8.0	25.3	0.46
F26	10 Aug 2016	45	12.18	88.93	5.8	33.43	8.0	25.3	0.43
F26	10 Aug 2016	46	12.14	88.92	5.7	33.43	8.0	25.3	0.40
F26	10 Aug 2016	47	12.08	88.93	5.6	33.44	8.0	25.4	0.39
F26	10 Aug 2016	48	12.06	88.73	5.6	33.44	7.9	25.4	0.35
F26	10 Aug 2016	49	12.04	88.50	5.5	33.44	7.9	25.4	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F26	10 Aug 2016	50	12.00	88.42	5.5	33.44	7.9	25.4	0.33
F26	10 Aug 2016	51	11.98	88.01	5.4	33.44	7.9	25.4	0.31
F26	10 Aug 2016	52	11.94	87.96	5.4	33.44	7.9	25.4	0.31
F26	10 Aug 2016	53	11.91	88.02	5.4	33.44	7.9	25.4	0.34
F26	10 Aug 2016	54	11.85	88.18	5.5	33.44	7.9	25.4	0.35
F26	10 Aug 2016	55	11.80	88.30	5.5	33.44	7.9	25.4	0.35
F26	10 Aug 2016	56	11.74	88.50	5.5	33.44	7.9	25.4	0.36
F26	10 Aug 2016	57	11.70	88.74	5.5	33.45	7.9	25.4	0.33
F26	10 Aug 2016	58	11.68	88.81	5.4	33.45	7.9	25.4	0.33
F26	10 Aug 2016	59	11.62	88.82	5.4	33.45	7.9	25.5	0.30
F26	10 Aug 2016	60	11.55	88.93	5.3	33.46	7.9	25.5	0.29
F26	10 Aug 2016	61	11.48	88.95	5.2	33.46	7.9	25.5	0.26
F26	10 Aug 2016	62	11.43	89.00	5.2	33.47	7.9	25.5	0.25
F26	10 Aug 2016	63	11.38	89.09	5.2	33.47	7.9	25.5	0.26
F26	10 Aug 2016	64	11.36	89.12	5.2	33.47	7.9	25.5	0.26
F26	10 Aug 2016	65	11.36	89.11	5.2	33.47	7.9	25.5	0.26
F26	10 Aug 2016	66	11.29	89.19	5.1	33.48	7.9	25.5	0.26
F26	10 Aug 2016	67	11.32	89.23	5.1	33.48	7.9	25.5	0.26
F26	10 Aug 2016	68	11.23	89.10	5.0	33.48	7.9	25.6	0.24
F26	10 Aug 2016	69	11.10	88.96	4.8	33.50	7.9	25.6	0.21
F26	10 Aug 2016	70	11.11	88.63	4.8	33.50	7.9	25.6	0.20
F26	10 Aug 2016	71	11.05	88.75	4.8	33.51	7.9	25.6	0.20
F26	10 Aug 2016	72	11.03	88.78	4.8	33.51	7.8	25.6	0.19
F26	10 Aug 2016	73	11.01	88.43	4.7	33.52	7.8	25.6	0.19
F26	10 Aug 2016	74	10.97	88.11	4.5	33.53	7.8	25.6	0.18
F26	10 Aug 2016	75	10.91	87.36	4.4	33.55	7.8	25.7	0.16
F26	10 Aug 2016	76	10.82	87.25	4.3	33.58	7.8	25.7	0.16
F26	10 Aug 2016	77	10.78	86.93	4.2	33.60	7.8	25.7	0.15
F26	10 Aug 2016	78	10.77	86.74	4.2	33.61	7.8	25.7	0.16
F26	10 Aug 2016	79	10.77	86.76	4.2	33.61	7.8	25.7	0.15
F26	10 Aug 2016	80	10.76	86.73	4.2	33.61	7.8	25.7	0.15
F26	10 Aug 2016	81	10.70	86.47	4.1	33.64	7.8	25.8	0.14
F26	10 Aug 2016	82	10.64	86.17	4.0	33.66	7.8	25.8	0.14
F26	10 Aug 2016	83	10.62	85.98	4.0	33.66	7.8	25.8	0.14
F26	10 Aug 2016	84	10.61	85.92	4.0	33.66	7.8	25.8	0.14
F26	10 Aug 2016	85	10.61	85.78	4.0	33.66	7.8	25.8	0.14
F26	10 Aug 2016	86	10.60	85.72	3.9	33.67	7.8	25.8	0.14
F26	10 Aug 2016	87	10.60	85.75	3.9	33.67	7.8	25.8	0.14
F26	10 Aug 2016	88	10.59	85.73	3.9	33.67	7.8	25.8	0.14
F26	10 Aug 2016	89	10.59	85.61	3.9	33.67	7.8	25.8	0.14
F26	10 Aug 2016	90	10.59	85.06	3.9	33.67	7.8	25.8	0.18
F26	10 Aug 2016	91	10.59	84.55	3.9	33.67	7.8	25.8	0.14
F26	10 Aug 2016	92	10.59	84.21	3.9	33.67	7.8	25.8	0.15
F26	10 Aug 2016	93	10.59	83.79	3.9	33.67	7.8	25.8	0.15
F26	10 Aug 2016	94	10.59	83.88	3.9	33.67	7.8	25.8	0.15
F26	10 Aug 2016	95	10.59	83.78	3.9	33.67	7.8	25.8	0.15
F26	10 Aug 2016	96	10.58	83.59	3.9	33.68	7.8	25.8	0.17
F26	10 Aug 2016	97	10.58	81.93	3.8	33.68	7.8	25.8	0.15
F26	10 Aug 2016	98	10.54	80.85	3.7	33.69	7.8	25.8	0.16
F27	10 Aug 2016	1	23.95	79.11	8.4	33.73	8.4	22.7	0.80
F27	10 Aug 2016	2	23.92	79.17	8.4	33.73	8.4	22.7	0.83
F27	10 Aug 2016	3	23.81	79.97	8.5	33.73	8.4	22.7	0.99
F27	10 Aug 2016	4	23.74	79.97	8.5	33.73	8.4	22.8	1.09
F27	10 Aug 2016	5	23.73	79.66	8.5	33.73	8.4	22.8	1.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F27	10 Aug 2016	6	23.69	79.70	8.5	33.72	8.4	22.8	1.55
F27	10 Aug 2016	7	23.66	79.86	8.5	33.72	8.4	22.8	1.81
F27	10 Aug 2016	8	23.57	79.97	8.5	33.72	8.4	22.8	1.98
F27	10 Aug 2016	9	23.53	80.23	8.4	33.71	8.4	22.8	2.12
F27	10 Aug 2016	10	23.32	80.43	8.4	33.70	8.4	22.9	2.23
F27	10 Aug 2016	11	21.96	79.66	8.4	33.63	8.3	23.2	2.90
F27	10 Aug 2016	12	20.98	79.82	8.5	33.56	8.3	23.4	3.11
F27	10 Aug 2016	13	19.79	81.14	8.9	33.49	8.3	23.7	2.86
F27	10 Aug 2016	14	19.47	82.36	8.8	33.48	8.3	23.7	2.68
F27	10 Aug 2016	15	18.97	83.69	8.8	33.47	8.3	23.9	2.43
F27	10 Aug 2016	16	17.89	85.10	8.8	33.45	8.2	24.1	1.96
F27	10 Aug 2016	17	17.50	85.67	8.8	33.44	8.2	24.2	1.66
F27	10 Aug 2016	18	17.53	85.96	8.7	33.45	8.2	24.2	1.54
F27	10 Aug 2016	19	16.88	86.33	8.5	33.44	8.2	24.3	1.31
F27	10 Aug 2016	20	16.80	86.56	8.5	33.43	8.2	24.4	1.21
F27	10 Aug 2016	21	16.28	86.91	8.1	33.42	8.2	24.5	1.11
F27	10 Aug 2016	22	15.97	87.11	8.1	33.41	8.2	24.5	0.99
F27	10 Aug 2016	23	15.89	87.28	8.1	33.41	8.2	24.5	0.99
F27	10 Aug 2016	24	15.63	87.09	7.6	33.41	8.2	24.6	0.88
F27	10 Aug 2016	25	15.49	87.45	7.4	33.41	8.1	24.6	0.87
F27	10 Aug 2016	26	15.19	87.67	7.2	33.41	8.1	24.7	0.76
F27	10 Aug 2016	27	14.90	87.76	7.1	33.41	8.1	24.8	0.69
F27	10 Aug 2016	28	14.63	87.77	7.0	33.41	8.1	24.8	0.64
F27	10 Aug 2016	29	14.51	87.61	7.0	33.41	8.1	24.8	0.62
F27	10 Aug 2016	30	14.55	87.66	7.0	33.41	8.1	24.8	0.60
F27	10 Aug 2016	31	14.47	87.65	7.0	33.41	8.1	24.9	0.59
F27	10 Aug 2016	32	14.43	87.69	6.9	33.41	8.1	24.9	0.59
F27	10 Aug 2016	33	14.40	87.70	6.9	33.41	8.1	24.9	0.60
F27	10 Aug 2016	34	14.28	87.73	6.8	33.41	8.1	24.9	0.59
F27	10 Aug 2016	35	13.99	87.73	6.5	33.42	8.1	25.0	0.51
F27	10 Aug 2016	36	13.61	87.61	6.3	33.41	8.0	25.0	0.44
F27	10 Aug 2016	37	13.38	87.63	6.3	33.41	8.0	25.1	0.44
F27	10 Aug 2016	38	13.26	87.55	6.4	33.40	8.0	25.1	0.45
F27	10 Aug 2016	39	13.35	87.76	6.3	33.41	8.0	25.1	0.48
F27	10 Aug 2016	40	13.11	88.11	6.3	33.41	8.0	25.1	0.46
F27	10 Aug 2016	41	13.01	88.16	6.3	33.41	8.0	25.2	0.45
F27	10 Aug 2016	42	12.95	88.19	6.2	33.41	8.0	25.2	0.43
F27	10 Aug 2016	43	12.80	88.32	6.1	33.41	8.0	25.2	0.42
F27	10 Aug 2016	44	12.66	88.37	6.1	33.41	8.0	25.2	0.39
F27	10 Aug 2016	45	12.53	88.62	6.0	33.42	8.0	25.3	0.39
F27	10 Aug 2016	46	12.36	88.97	5.9	33.42	8.0	25.3	0.36
F27	10 Aug 2016	47	12.37	89.05	5.9	33.42	8.0	25.3	0.35
F27	10 Aug 2016	48	12.33	89.05	5.8	33.42	8.0	25.3	0.35
F27	10 Aug 2016	49	12.29	88.92	5.8	33.43	8.0	25.3	0.35
F27	10 Aug 2016	50	12.26	88.80	5.7	33.43	8.0	25.3	0.34
F27	10 Aug 2016	51	12.29	88.72	5.7	33.43	8.0	25.3	0.34
F27	10 Aug 2016	52	12.17	88.55	5.6	33.44	8.0	25.3	0.33
F27	10 Aug 2016	53	12.15	88.44	5.6	33.44	7.9	25.3	0.32
F27	10 Aug 2016	54	12.14	88.53	5.6	33.44	7.9	25.3	0.34
F27	10 Aug 2016	55	12.06	88.80	5.6	33.44	7.9	25.4	0.30
F27	10 Aug 2016	56	11.93	88.74	5.4	33.45	7.9	25.4	0.28
F27	10 Aug 2016	57	11.87	88.39	5.4	33.45	7.9	25.4	0.26
F27	10 Aug 2016	58	11.79	88.43	5.4	33.45	7.9	25.4	0.26
F27	10 Aug 2016	59	11.77	88.47	5.4	33.45	7.9	25.4	0.27
F27	10 Aug 2016	60	11.77	88.43	5.3	33.45	7.9	25.4	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F27	10 Aug 2016	61	11.74	88.41	5.3	33.45	7.9	25.4	0.25
F27	10 Aug 2016	62	11.66	88.28	5.2	33.45	7.9	25.5	0.25
F27	10 Aug 2016	63	11.58	88.31	5.3	33.46	7.9	25.5	0.26
F27	10 Aug 2016	64	11.63	88.60	5.3	33.45	7.9	25.5	0.25
F27	10 Aug 2016	65	11.50	88.90	5.3	33.46	7.9	25.5	0.27
F27	10 Aug 2016	66	11.47	89.14	5.3	33.46	7.9	25.5	0.28
F27	10 Aug 2016	67	11.43	89.25	5.3	33.47	7.9	25.5	0.27
F27	10 Aug 2016	68	11.40	89.25	5.2	33.47	7.9	25.5	0.25
F27	10 Aug 2016	69	11.35	89.15	5.1	33.47	7.9	25.5	0.23
F27	10 Aug 2016	70	11.32	89.10	5.1	33.48	7.9	25.5	0.22
F27	10 Aug 2016	71	11.26	89.08	5.1	33.48	7.9	25.5	0.22
F27	10 Aug 2016	72	11.23	89.08	5.0	33.48	7.9	25.6	0.22
F27	10 Aug 2016	73	11.18	89.19	5.0	33.49	7.9	25.6	0.23
F27	10 Aug 2016	74	11.18	89.18	5.0	33.49	7.9	25.6	0.21
F27	10 Aug 2016	75	11.08	89.19	4.9	33.50	7.9	25.6	0.22
F27	10 Aug 2016	76	11.12	89.17	4.9	33.50	7.9	25.6	0.20
F27	10 Aug 2016	77	10.97	89.00	4.8	33.52	7.9	25.6	0.19
F27	10 Aug 2016	78	10.89	89.13	4.7	33.54	7.9	25.7	0.19
F27	10 Aug 2016	79	10.84	89.20	4.6	33.55	7.8	25.7	0.18
F27	10 Aug 2016	80	10.85	89.13	4.6	33.55	7.8	25.7	0.18
F27	10 Aug 2016	81	10.79	89.08	4.6	33.56	7.8	25.7	0.17
F27	10 Aug 2016	82	10.79	89.03	4.6	33.56	7.8	25.7	0.18
F27	10 Aug 2016	83	10.77	88.91	4.6	33.56	7.8	25.7	0.16
F27	10 Aug 2016	84	10.78	88.86	4.6	33.56	7.8	25.7	0.17
F27	10 Aug 2016	85	10.73	88.53	4.5	33.58	7.8	25.7	0.16
F27	10 Aug 2016	86	10.71	88.46	4.5	33.58	7.8	25.7	0.15
F27	10 Aug 2016	87	10.72	88.47	4.5	33.58	7.8	25.7	0.14
F27	10 Aug 2016	88	10.66	88.35	4.4	33.60	7.8	25.7	0.14
F27	10 Aug 2016	89	10.64	87.92	4.3	33.61	7.8	25.8	0.14
F27	10 Aug 2016	90	10.64	87.27	4.2	33.62	7.8	25.8	0.14
F27	10 Aug 2016	91	10.64	87.12	4.2	33.62	7.8	25.8	0.12
F27	10 Aug 2016	92	10.63	86.84	4.1	33.64	7.8	25.8	0.13
F27	10 Aug 2016	93	10.57	85.66	3.9	33.68	7.8	25.8	0.12
F27	10 Aug 2016	94	10.52	83.93	3.8	33.70	7.8	25.8	0.12
F27	10 Aug 2016	95	10.51	84.07	3.8	33.70	7.8	25.8	0.12
F27	10 Aug 2016	96	10.51	82.08	3.8	33.70	7.8	25.8	0.13
F27	10 Aug 2016	97	10.51	81.68	3.8	33.70	7.8	25.8	0.12
F27	10 Aug 2016	98	10.50	81.55	3.7	33.70	7.8	25.9	0.12
F27	10 Aug 2016	99	10.51	81.35	3.7	33.70	7.8	25.8	0.12
F28	10 Aug 2016	1	23.98	80.50	8.5	33.73	8.4	22.7	0.78
F28	10 Aug 2016	2	23.99	80.62	8.5	33.73	8.4	22.7	0.78
F28	10 Aug 2016	3	23.94	80.33	8.5	33.73	8.4	22.7	0.84
F28	10 Aug 2016	4	23.79	80.03	8.5	33.73	8.4	22.7	1.07
F28	10 Aug 2016	5	23.76	79.91	8.5	33.72	8.4	22.7	1.29
F28	10 Aug 2016	6	23.73	79.96	8.5	33.72	8.4	22.8	1.57
F28	10 Aug 2016	7	23.70	80.27	8.5	33.72	8.4	22.8	1.73
F28	10 Aug 2016	8	23.68	80.50	8.5	33.72	8.4	22.8	1.82
F28	10 Aug 2016	9	23.65	80.57	8.4	33.72	8.4	22.8	1.96
F28	10 Aug 2016	10	22.43	78.70	8.2	33.65	8.4	23.1	2.84
F28	10 Aug 2016	11	21.11	79.07	8.4	33.54	8.3	23.4	3.39
F28	10 Aug 2016	12	20.54	80.05	8.4	33.52	8.3	23.5	3.15
F28	10 Aug 2016	13	19.55	82.14	8.8	33.49	8.3	23.7	2.78
F28	10 Aug 2016	14	19.10	83.76	8.8	33.48	8.3	23.8	2.50
F28	10 Aug 2016	15	18.30	84.70	8.8	33.45	8.3	24.0	2.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F28	10 Aug 2016	16	17.92	85.57	8.6	33.45	8.2	24.1	1.86
F28	10 Aug 2016	17	17.52	85.87	8.5	33.45	8.2	24.2	1.64
F28	10 Aug 2016	18	17.15	86.18	8.5	33.44	8.2	24.3	1.41
F28	10 Aug 2016	19	16.93	86.43	8.6	33.43	8.2	24.3	1.22
F28	10 Aug 2016	20	16.72	86.73	8.5	33.43	8.2	24.4	1.03
F28	10 Aug 2016	21	16.18	87.08	7.9	33.42	8.2	24.5	0.99
F28	10 Aug 2016	22	15.80	87.25	7.8	33.41	8.2	24.6	0.91
F28	10 Aug 2016	23	15.63	87.46	8.0	33.40	8.2	24.6	0.85
F28	10 Aug 2016	24	15.62	87.49	8.1	33.40	8.2	24.6	0.84
F28	10 Aug 2016	25	15.39	87.44	7.8	33.40	8.2	24.7	0.85
F28	10 Aug 2016	26	15.34	87.52	7.7	33.41	8.1	24.7	0.81
F28	10 Aug 2016	27	15.09	87.57	7.4	33.41	8.1	24.7	0.77
F28	10 Aug 2016	28	14.98	87.74	7.3	33.41	8.1	24.7	0.75
F28	10 Aug 2016	29	14.62	87.78	7.2	33.41	8.1	24.8	0.68
F28	10 Aug 2016	30	14.61	87.59	7.2	33.41	8.1	24.8	0.64
F28	10 Aug 2016	31	14.35	87.91	7.0	33.40	8.1	24.9	0.59
F28	10 Aug 2016	32	14.16	87.98	7.0	33.40	8.1	24.9	0.60
F28	10 Aug 2016	33	14.05	88.06	7.1	33.39	8.1	24.9	0.65
F28	10 Aug 2016	34	13.91	88.06	7.0	33.39	8.1	25.0	0.76
F28	10 Aug 2016	35	13.69	88.10	6.9	33.39	8.1	25.0	0.75
F28	10 Aug 2016	36	13.55	88.25	6.8	33.39	8.1	25.0	0.69
F28	10 Aug 2016	37	13.31	88.30	6.7	33.39	8.0	25.1	0.63
F28	10 Aug 2016	38	13.30	88.20	6.6	33.40	8.0	25.1	0.59
F28	10 Aug 2016	39	13.30	88.31	6.5	33.40	8.0	25.1	0.56
F28	10 Aug 2016	40	13.24	88.32	6.5	33.40	8.0	25.1	0.53
F28	10 Aug 2016	41	13.16	88.36	6.4	33.40	8.0	25.1	0.49
F28	10 Aug 2016	42	13.15	88.37	6.4	33.40	8.0	25.1	0.49
F28	10 Aug 2016	43	13.09	88.34	6.3	33.40	8.0	25.1	0.48
F28	10 Aug 2016	44	13.02	88.42	6.3	33.41	8.0	25.2	0.46
F28	10 Aug 2016	45	12.89	88.41	6.2	33.41	8.0	25.2	0.44
F28	10 Aug 2016	46	12.75	88.39	6.0	33.41	8.0	25.2	0.40
F28	10 Aug 2016	47	12.65	88.37	6.0	33.42	8.0	25.2	0.38
F28	10 Aug 2016	48	12.49	88.24	5.8	33.43	8.0	25.3	0.38
F28	10 Aug 2016	49	12.44	88.19	5.8	33.43	8.0	25.3	0.38
F28	10 Aug 2016	50	12.40	88.23	5.8	33.43	8.0	25.3	0.39
F28	10 Aug 2016	51	12.41	88.26	5.7	33.43	8.0	25.3	0.38
F28	10 Aug 2016	52	12.35	88.26	5.7	33.43	7.9	25.3	0.37
F28	10 Aug 2016	53	12.27	88.21	5.6	33.43	7.9	25.3	0.36
F28	10 Aug 2016	54	12.25	88.15	5.6	33.43	7.9	25.3	0.39
F28	10 Aug 2016	55	12.18	88.27	5.6	33.44	7.9	25.3	0.37
F28	10 Aug 2016	56	12.09	88.30	5.5	33.44	7.9	25.4	0.37
F28	10 Aug 2016	57	12.02	88.38	5.5	33.44	7.9	25.4	0.36
F28	10 Aug 2016	58	12.03	88.37	5.5	33.44	7.9	25.4	0.35
F28	10 Aug 2016	59	11.92	88.41	5.5	33.44	7.9	25.4	0.36
F28	10 Aug 2016	60	11.95	88.73	5.5	33.44	7.9	25.4	0.35
F28	10 Aug 2016	61	11.87	88.78	5.5	33.44	7.9	25.4	0.34
F28	10 Aug 2016	62	11.85	88.75	5.4	33.44	7.9	25.4	0.32
F28	10 Aug 2016	63	11.74	88.70	5.4	33.45	7.9	25.4	0.29
F28	10 Aug 2016	64	11.69	88.58	5.3	33.45	7.9	25.4	0.27
F28	10 Aug 2016	65	11.66	88.52	5.3	33.45	7.9	25.4	0.25
F28	10 Aug 2016	66	11.64	88.44	5.2	33.45	7.9	25.5	0.25
F28	10 Aug 2016	67	11.59	88.36	5.2	33.46	7.9	25.5	0.25
F28	10 Aug 2016	68	11.58	88.33	5.2	33.46	7.9	25.5	0.25
F28	10 Aug 2016	69	11.48	88.16	5.1	33.47	7.9	25.5	0.23
F28	10 Aug 2016	70	11.46	88.12	5.0	33.47	7.9	25.5	0.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F28	10 Aug 2016	71	11.37	88.01	5.0	33.48	7.9	25.5	0.23
F28	10 Aug 2016	72	11.20	87.94	5.0	33.49	7.9	25.6	0.21
F28	10 Aug 2016	73	11.22	88.08	5.0	33.49	7.9	25.6	0.23
F28	10 Aug 2016	74	11.10	88.50	4.9	33.51	7.9	25.6	0.22
F28	10 Aug 2016	75	11.09	88.91	4.9	33.51	7.9	25.6	0.21
F28	10 Aug 2016	76	10.98	89.01	4.8	33.52	7.9	25.6	0.18
F28	10 Aug 2016	77	11.04	88.88	4.8	33.52	7.9	25.6	0.19
F28	10 Aug 2016	78	10.89	88.93	4.7	33.54	7.8	25.7	0.18
F28	10 Aug 2016	79	10.89	88.97	4.7	33.54	7.8	25.7	0.19
F28	10 Aug 2016	80	10.77	88.92	4.6	33.56	7.8	25.7	0.17
F28	10 Aug 2016	81	10.77	88.84	4.6	33.56	7.8	25.7	0.17
F28	10 Aug 2016	82	10.66	88.74	4.5	33.58	7.8	25.7	0.15
F28	10 Aug 2016	83	10.65	88.67	4.5	33.58	7.8	25.7	0.15
F28	10 Aug 2016	84	10.60	88.66	4.4	33.59	7.8	25.7	0.14
F28	10 Aug 2016	85	10.58	88.39	4.4	33.60	7.8	25.8	0.13
F28	10 Aug 2016	86	10.54	88.32	4.3	33.61	7.8	25.8	0.12
F28	10 Aug 2016	87	10.50	88.30	4.3	33.62	7.8	25.8	0.12
F28	10 Aug 2016	88	10.44	88.31	4.3	33.64	7.8	25.8	0.12
F28	10 Aug 2016	89	10.43	88.32	4.2	33.64	7.8	25.8	0.12
F28	10 Aug 2016	90	10.42	88.15	4.2	33.65	7.8	25.8	0.14
F28	10 Aug 2016	91	10.42	88.19	4.2	33.65	7.8	25.8	0.12
F28	10 Aug 2016	92	10.39	88.23	4.1	33.67	7.8	25.8	0.12
F28	10 Aug 2016	93	10.40	85.78	3.9	33.69	7.8	25.9	0.12
F28	10 Aug 2016	94	10.41	85.37	3.8	33.70	7.8	25.9	0.12
F28	10 Aug 2016	95	10.41	82.92	3.8	33.70	7.8	25.9	0.12
F28	10 Aug 2016	96	10.41	82.41	3.8	33.70	7.8	25.9	0.13
F28	10 Aug 2016	97	10.41	82.22	3.8	33.70	7.8	25.9	0.13
F28	10 Aug 2016	98	10.41	82.19	3.8	33.70	7.8	25.9	0.12
F28	10 Aug 2016	99	10.40	82.24	3.8	33.70	7.8	25.9	0.12
F29	10 Aug 2016	1	23.87	80.51	8.5	33.73	8.4	22.7	0.87
F29	10 Aug 2016	2	23.80	80.20	8.5	33.73	8.4	22.7	1.05
F29	10 Aug 2016	3	23.76	79.91	8.6	33.73	8.4	22.7	1.20
F29	10 Aug 2016	4	23.74	79.80	8.5	33.73	8.4	22.8	1.43
F29	10 Aug 2016	5	23.72	79.81	8.5	33.73	8.4	22.8	1.60
F29	10 Aug 2016	6	23.70	79.93	8.5	33.72	8.4	22.8	1.80
F29	10 Aug 2016	7	23.67	79.85	8.5	33.72	8.4	22.8	1.86
F29	10 Aug 2016	8	23.63	80.30	8.5	33.72	8.4	22.8	1.99
F29	10 Aug 2016	9	23.32	80.23	8.4	33.70	8.4	22.9	2.38
F29	10 Aug 2016	10	22.06	79.79	8.1	33.62	8.3	23.2	3.12
F29	10 Aug 2016	11	19.86	79.11	8.6	33.51	8.3	23.7	3.02
F29	10 Aug 2016	12	20.11	81.72	8.3	33.53	8.3	23.6	2.72
F29	10 Aug 2016	13	18.91	83.94	8.5	33.48	8.3	23.9	2.35
F29	10 Aug 2016	14	17.98	84.61	8.2	33.46	8.2	24.1	2.10
F29	10 Aug 2016	15	17.31	85.26	8.2	33.44	8.2	24.2	1.88
F29	10 Aug 2016	16	17.05	85.99	8.3	33.43	8.2	24.3	1.56
F29	10 Aug 2016	17	17.00	86.24	8.4	33.43	8.2	24.3	1.35
F29	10 Aug 2016	18	16.71	86.51	8.6	33.43	8.2	24.4	1.16
F29	10 Aug 2016	19	16.61	87.11	8.7	33.43	8.2	24.4	1.07
F29	10 Aug 2016	20	16.25	87.19	8.8	33.42	8.2	24.5	0.94
F29	10 Aug 2016	21	16.13	87.19	8.8	33.42	8.2	24.5	0.88
F29	10 Aug 2016	22	15.78	87.39	8.6	33.41	8.2	24.6	0.87
F29	10 Aug 2016	23	15.34	87.12	8.6	33.38	8.2	24.7	0.82
F29	10 Aug 2016	24	15.25	87.50	8.6	33.38	8.2	24.7	0.76
F29	10 Aug 2016	25	15.11	87.82	8.6	33.37	8.2	24.7	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	10 Aug 2016	26	15.14	87.77	8.5	33.38	8.2	24.7	0.75
F29	10 Aug 2016	27	14.86	87.93	8.3	33.37	8.2	24.7	0.74
F29	10 Aug 2016	28	14.48	88.10	8.0	33.38	8.2	24.8	0.71
F29	10 Aug 2016	29	14.35	88.15	7.9	33.38	8.1	24.9	0.72
F29	10 Aug 2016	30	14.33	88.15	7.8	33.38	8.1	24.9	0.72
F29	10 Aug 2016	31	14.31	88.10	7.7	33.38	8.1	24.9	0.72
F29	10 Aug 2016	32	14.22	88.22	7.6	33.38	8.1	24.9	0.69
F29	10 Aug 2016	33	14.08	88.08	7.4	33.39	8.1	24.9	0.68
F29	10 Aug 2016	34	14.04	88.20	7.3	33.39	8.1	24.9	0.66
F29	10 Aug 2016	35	13.97	88.15	7.3	33.39	8.1	24.9	0.66
F29	10 Aug 2016	36	13.95	88.15	7.2	33.39	8.1	25.0	0.65
F29	10 Aug 2016	37	13.80	88.19	7.1	33.39	8.1	25.0	0.64
F29	10 Aug 2016	38	13.69	88.20	6.9	33.40	8.1	25.0	0.64
F29	10 Aug 2016	39	13.35	88.12	6.6	33.40	8.0	25.1	0.64
F29	10 Aug 2016	40	13.38	88.16	6.6	33.40	8.0	25.1	0.62
F29	10 Aug 2016	41	13.03	88.34	6.4	33.40	8.0	25.1	0.59
F29	10 Aug 2016	42	13.03	88.55	6.4	33.40	8.0	25.1	0.57
F29	10 Aug 2016	43	12.91	88.60	6.3	33.40	8.0	25.2	0.51
F29	10 Aug 2016	44	12.81	88.74	6.3	33.40	8.0	25.2	0.48
F29	10 Aug 2016	45	12.74	88.85	6.2	33.41	8.0	25.2	0.47
F29	10 Aug 2016	46	12.65	88.90	6.1	33.41	8.0	25.2	0.43
F29	10 Aug 2016	47	12.58	88.60	6.0	33.41	8.0	25.2	0.42
F29	10 Aug 2016	48	12.50	88.94	6.0	33.41	8.0	25.3	0.41
F29	10 Aug 2016	49	12.43	89.10	6.0	33.41	8.0	25.3	0.38
F29	10 Aug 2016	50	12.31	89.07	5.8	33.42	8.0	25.3	0.36
F29	10 Aug 2016	51	12.29	88.99	5.8	33.42	8.0	25.3	0.34
F29	10 Aug 2016	52	12.23	89.05	5.8	33.43	8.0	25.3	0.33
F29	10 Aug 2016	53	12.23	88.94	5.7	33.43	7.9	25.3	0.33
F29	10 Aug 2016	54	12.17	88.73	5.6	33.43	7.9	25.3	0.34
F29	10 Aug 2016	55	12.14	88.29	5.6	33.44	7.9	25.3	0.31
F29	10 Aug 2016	56	12.11	88.17	5.5	33.44	7.9	25.4	0.32
F29	10 Aug 2016	57	12.07	88.00	5.5	33.44	7.9	25.4	0.32
F29	10 Aug 2016	58	11.86	88.04	5.4	33.45	7.9	25.4	0.30
F29	10 Aug 2016	59	11.81	88.27	5.3	33.45	7.9	25.4	0.28
F29	10 Aug 2016	60	11.62	88.28	5.2	33.45	7.9	25.5	0.25
F29	10 Aug 2016	61	11.56	88.19	5.2	33.46	7.9	25.5	0.23
F29	10 Aug 2016	62	11.53	88.24	5.1	33.46	7.9	25.5	0.24
F29	10 Aug 2016	63	11.48	88.09	5.1	33.47	7.9	25.5	0.22
F29	10 Aug 2016	64	11.50	88.02	5.1	33.47	7.9	25.5	0.23
F29	10 Aug 2016	65	11.43	88.02	5.1	33.47	7.9	25.5	0.23
F29	10 Aug 2016	66	11.42	88.07	5.0	33.47	7.9	25.5	0.23
F29	10 Aug 2016	67	11.39	87.92	5.0	33.48	7.9	25.5	0.22
F29	10 Aug 2016	68	11.30	87.32	4.8	33.48	7.9	25.5	0.19
F29	10 Aug 2016	69	11.28	85.59	4.8	33.49	7.9	25.5	0.19
F29	10 Aug 2016	70	11.22	84.77	4.7	33.49	7.8	25.6	0.18
F29	10 Aug 2016	71	11.19	85.07	4.7	33.50	7.8	25.6	0.18
F29	10 Aug 2016	72	11.16	85.49	4.7	33.50	7.8	25.6	0.17
F29	10 Aug 2016	73	11.13	85.46	4.6	33.51	7.8	25.6	0.17
F29	10 Aug 2016	74	11.06	85.50	4.6	33.52	7.8	25.6	0.16
F29	10 Aug 2016	75	11.07	85.58	4.6	33.51	7.8	25.6	0.17
F29	10 Aug 2016	76	11.03	85.75	4.6	33.52	7.8	25.6	0.17
F29	10 Aug 2016	77	11.04	85.67	4.5	33.52	7.8	25.6	0.15
F29	10 Aug 2016	78	10.92	85.79	4.5	33.54	7.8	25.7	0.18
F29	10 Aug 2016	79	10.91	86.05	4.5	33.55	7.8	25.7	0.17
F29	10 Aug 2016	80	10.87	86.28	4.5	33.55	7.8	25.7	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F29	10 Aug 2016	81	10.76	86.72	4.5	33.57	7.8	25.7	0.18
F29	10 Aug 2016	82	10.70	87.12	4.5	33.58	7.8	25.7	0.15
F29	10 Aug 2016	83	10.61	87.96	4.4	33.59	7.8	25.7	0.15
F29	10 Aug 2016	84	10.54	88.13	4.4	33.60	7.8	25.8	0.12
F29	10 Aug 2016	85	10.51	88.21	4.3	33.61	7.8	25.8	0.13
F29	10 Aug 2016	86	10.40	88.28	4.2	33.65	7.8	25.8	0.11
F29	10 Aug 2016	87	10.34	88.43	4.1	33.67	7.8	25.9	0.10
F29	10 Aug 2016	88	10.24	88.53	4.0	33.72	7.8	25.9	0.10
F29	10 Aug 2016	89	10.22	88.46	4.0	33.72	7.8	25.9	0.10
F29	10 Aug 2016	90	10.22	88.48	3.9	33.73	7.8	25.9	0.09
F29	10 Aug 2016	91	10.22	88.34	3.9	33.73	7.8	25.9	0.10
F29	10 Aug 2016	92	10.22	88.05	3.8	33.74	7.8	25.9	0.09
F29	10 Aug 2016	93	10.22	87.78	3.8	33.75	7.8	25.9	0.10
F29	10 Aug 2016	94	10.23	86.50	3.7	33.76	7.8	25.9	0.10
F29	10 Aug 2016	95	10.22	85.98	3.7	33.76	7.8	25.9	0.10
F29	10 Aug 2016	96	10.22	83.84	3.7	33.76	7.8	25.9	0.10
F29	10 Aug 2016	97	10.22	83.18	3.6	33.77	7.8	26.0	0.10
F29	10 Aug 2016	98	10.22	82.78	3.6	33.77	7.8	26.0	0.10
F29	10 Aug 2016	99	10.22	82.42	3.6	33.77	7.8	26.0	0.10
F30	10 Aug 2016	1	24.03	81.61	8.4	33.74	8.4	22.7	0.66
F30	10 Aug 2016	2	24.01	81.61	8.5	33.74	8.4	22.7	0.71
F30	10 Aug 2016	3	23.94	81.08	8.5	33.74	8.4	22.7	0.86
F30	10 Aug 2016	4	23.90	80.45	8.5	33.74	8.4	22.7	1.16
F30	10 Aug 2016	5	23.88	79.95	8.5	33.73	8.4	22.7	1.46
F30	10 Aug 2016	6	23.86	80.26	8.5	33.73	8.4	22.7	1.66
F30	10 Aug 2016	7	23.84	80.55	8.5	33.73	8.4	22.7	1.70
F30	10 Aug 2016	8	23.79	80.89	8.4	33.73	8.4	22.7	1.88
F30	10 Aug 2016	9	23.11	80.73	8.3	33.69	8.4	22.9	2.58
F30	10 Aug 2016	10	22.31	79.69	8.0	33.65	8.3	23.1	2.91
F30	10 Aug 2016	11	19.88	79.85	8.4	33.51	8.3	23.7	3.12
F30	10 Aug 2016	12	19.22	80.69	8.6	33.48	8.3	23.8	2.94
F30	10 Aug 2016	13	18.83	82.31	8.8	33.47	8.3	23.9	2.62
F30	10 Aug 2016	14	18.37	83.55	8.5	33.46	8.2	24.0	2.45
F30	10 Aug 2016	15	17.73	84.43	8.2	33.45	8.2	24.1	1.98
F30	10 Aug 2016	16	17.56	85.14	8.0	33.45	8.2	24.2	1.76
F30	10 Aug 2016	17	17.41	85.23	7.9	33.45	8.2	24.2	1.74
F30	10 Aug 2016	18	17.16	85.40	7.8	33.45	8.2	24.3	1.66
F30	10 Aug 2016	19	16.67	86.01	8.0	33.43	8.2	24.4	1.52
F30	10 Aug 2016	20	16.54	86.14	8.0	33.43	8.2	24.4	1.45
F30	10 Aug 2016	21	16.02	86.74	8.2	33.41	8.2	24.5	1.21
F30	10 Aug 2016	22	15.95	87.21	8.2	33.40	8.2	24.5	1.10
F30	10 Aug 2016	23	15.66	87.39	8.4	33.39	8.2	24.6	1.08
F30	10 Aug 2016	24	15.54	87.34	8.5	33.38	8.2	24.6	1.07
F30	10 Aug 2016	25	15.31	87.51	8.6	33.37	8.2	24.6	0.90
F30	10 Aug 2016	26	15.09	87.84	8.6	33.36	8.2	24.7	0.84
F30	10 Aug 2016	27	14.98	87.98	8.6	33.36	8.2	24.7	0.77
F30	10 Aug 2016	28	14.83	88.11	8.5	33.35	8.2	24.7	0.72
F30	10 Aug 2016	29	14.74	88.21	8.4	33.35	8.2	24.8	0.69
F30	10 Aug 2016	30	14.64	88.24	8.3	33.36	8.2	24.8	0.71
F30	10 Aug 2016	31	14.51	88.12	8.0	33.37	8.2	24.8	0.73
F30	10 Aug 2016	32	14.41	88.12	7.6	33.39	8.1	24.9	0.68
F30	10 Aug 2016	33	14.41	87.97	7.4	33.39	8.1	24.9	0.68
F30	10 Aug 2016	34	14.23	87.79	7.0	33.41	8.1	24.9	0.61
F30	10 Aug 2016	35	14.23	87.76	6.9	33.41	8.1	24.9	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F30	10 Aug 2016	36	14.09	87.71	6.9	33.40	8.1	24.9	0.58
F30	10 Aug 2016	37	13.94	87.90	6.8	33.40	8.1	25.0	0.53
F30	10 Aug 2016	38	13.76	87.86	6.7	33.40	8.1	25.0	0.54
F30	10 Aug 2016	39	13.58	88.02	6.6	33.40	8.0	25.0	0.51
F30	10 Aug 2016	40	13.46	87.96	6.5	33.40	8.0	25.1	0.51
F30	10 Aug 2016	41	13.46	87.91	6.5	33.40	8.0	25.1	0.50
F30	10 Aug 2016	42	13.40	87.87	6.4	33.40	8.0	25.1	0.49
F30	10 Aug 2016	43	13.27	87.81	6.3	33.41	8.0	25.1	0.46
F30	10 Aug 2016	44	13.04	87.99	6.1	33.41	8.0	25.2	0.45
F30	10 Aug 2016	45	12.95	87.95	6.1	33.41	8.0	25.2	0.41
F30	10 Aug 2016	46	12.87	87.87	6.0	33.42	8.0	25.2	0.39
F30	10 Aug 2016	47	12.88	87.87	6.0	33.41	8.0	25.2	0.38
F30	10 Aug 2016	48	12.80	87.76	5.9	33.42	8.0	25.2	0.40
F30	10 Aug 2016	49	12.77	87.81	5.9	33.42	8.0	25.2	0.37
F30	10 Aug 2016	50	12.66	87.68	5.8	33.43	8.0	25.2	0.35
F30	10 Aug 2016	51	12.52	87.41	5.7	33.43	8.0	25.3	0.35
F30	10 Aug 2016	52	12.48	87.28	5.6	33.43	7.9	25.3	0.32
F30	10 Aug 2016	53	12.28	87.25	5.5	33.44	7.9	25.3	0.29
F30	10 Aug 2016	54	12.22	87.25	5.4	33.44	7.9	25.3	0.29
F30	10 Aug 2016	55	11.91	87.27	5.3	33.45	7.9	25.4	0.25
F30	10 Aug 2016	56	11.83	87.36	5.2	33.45	7.9	25.4	0.25
F30	10 Aug 2016	57	11.66	87.39	5.1	33.47	7.9	25.5	0.25
F30	10 Aug 2016	58	11.57	87.38	5.1	33.47	7.9	25.5	0.23
F30	10 Aug 2016	59	11.51	87.45	5.0	33.47	7.9	25.5	0.21
F30	10 Aug 2016	60	11.40	87.44	4.9	33.48	7.9	25.5	0.21
F30	10 Aug 2016	61	11.25	87.31	4.8	33.50	7.9	25.6	0.21
F30	10 Aug 2016	62	11.26	87.31	4.8	33.49	7.9	25.6	0.19
F30	10 Aug 2016	63	11.12	87.31	4.7	33.51	7.9	25.6	0.17
F30	10 Aug 2016	64	11.06	86.99	4.7	33.52	7.9	25.6	0.19
F30	10 Aug 2016	65	11.07	86.76	4.6	33.52	7.9	25.6	0.16
F30	10 Aug 2016	66	11.03	86.63	4.6	33.52	7.8	25.6	0.15
F30	10 Aug 2016	67	11.01	86.83	4.6	33.52	7.8	25.6	0.15
F30	10 Aug 2016	68	10.96	86.68	4.6	33.53	7.8	25.6	0.14
F30	10 Aug 2016	69	10.96	86.54	4.5	33.53	7.8	25.6	0.15
F30	10 Aug 2016	70	10.89	86.68	4.5	33.54	7.8	25.7	0.15
F30	10 Aug 2016	71	10.87	86.83	4.5	33.55	7.8	25.7	0.14
F30	10 Aug 2016	72	10.86	86.83	4.5	33.55	7.8	25.7	0.14
F30	10 Aug 2016	73	10.86	86.80	4.5	33.55	7.8	25.7	0.12
F30	10 Aug 2016	74	10.86	86.79	4.5	33.55	7.8	25.7	0.13
F30	10 Aug 2016	75	10.86	86.74	4.5	33.55	7.8	25.7	0.15
F30	10 Aug 2016	76	10.86	86.72	4.5	33.55	7.8	25.7	0.14
F30	10 Aug 2016	77	10.86	86.75	4.5	33.55	7.8	25.7	0.14
F30	10 Aug 2016	78	10.81	86.72	4.4	33.56	7.8	25.7	0.13
F30	10 Aug 2016	79	10.80	86.73	4.4	33.56	7.8	25.7	0.13
F30	10 Aug 2016	80	10.71	86.98	4.3	33.59	7.8	25.7	0.13
F30	10 Aug 2016	81	10.69	86.99	4.3	33.60	7.8	25.7	0.12
F30	10 Aug 2016	82	10.63	87.13	4.3	33.62	7.8	25.8	0.13
F30	10 Aug 2016	83	10.58	87.29	4.2	33.63	7.8	25.8	0.13
F30	10 Aug 2016	84	10.45	87.55	4.1	33.66	7.8	25.8	0.12
F30	10 Aug 2016	85	10.49	87.97	4.1	33.66	7.8	25.8	0.11
F30	10 Aug 2016	86	10.24	87.99	4.0	33.73	7.8	25.9	0.10
F30	10 Aug 2016	87	10.22	88.15	3.9	33.73	7.8	25.9	0.09
F30	10 Aug 2016	88	10.21	88.36	3.9	33.74	7.8	25.9	0.09
F30	10 Aug 2016	89	10.15	88.49	3.9	33.75	7.8	26.0	0.08
F30	10 Aug 2016	90	10.15	88.32	3.8	33.76	7.8	26.0	0.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F30	10 Aug 2016	91	10.14	88.22	3.8	33.77	7.8	26.0	0.08
F30	10 Aug 2016	92	10.13	88.30	3.8	33.77	7.8	26.0	0.07
F30	10 Aug 2016	93	10.13	87.32	3.7	33.79	7.8	26.0	0.07
F30	10 Aug 2016	94	10.13	86.24	3.6	33.79	7.8	26.0	0.08
F30	10 Aug 2016	95	10.13	85.90	3.6	33.79	7.8	26.0	0.08
F30	10 Aug 2016	96	10.13	85.82	3.6	33.79	7.8	26.0	0.07
F30	10 Aug 2016	97	10.13	85.62	3.6	33.79	7.8	26.0	0.07
F31	10 Aug 2016	1	24.01	81.14	8.4	33.74	8.4	22.7	0.68
F31	10 Aug 2016	2	24.01	81.98	8.4	33.74	8.4	22.7	0.71
F31	10 Aug 2016	3	23.98	81.68	8.4	33.74	8.4	22.7	0.86
F31	10 Aug 2016	4	23.93	81.41	8.4	33.74	8.4	22.7	1.13
F31	10 Aug 2016	5	23.91	81.35	8.4	33.74	8.4	22.7	1.40
F31	10 Aug 2016	6	23.88	81.08	8.4	33.73	8.4	22.7	1.63
F31	10 Aug 2016	7	23.40	80.62	8.2	33.71	8.4	22.8	2.23
F31	10 Aug 2016	8	21.46	79.87	8.1	33.60	8.3	23.3	2.87
F31	10 Aug 2016	9	20.17	80.51	8.3	33.51	8.3	23.6	2.87
F31	10 Aug 2016	10	19.24	81.11	8.4	33.48	8.3	23.8	3.00
F31	10 Aug 2016	11	18.50	82.17	8.7	33.46	8.2	24.0	2.53
F31	10 Aug 2016	12	18.45	82.53	8.5	33.46	8.2	24.0	2.46
F31	10 Aug 2016	13	17.86	83.04	8.3	33.46	8.2	24.1	2.34
F31	10 Aug 2016	14	17.72	84.04	8.2	33.45	8.2	24.2	2.14
F31	10 Aug 2016	15	17.64	84.03	8.0	33.45	8.2	24.2	2.13
F31	10 Aug 2016	16	17.55	84.53	7.9	33.45	8.2	24.2	2.04
F31	10 Aug 2016	17	17.51	84.51	7.8	33.46	8.2	24.2	2.08
F31	10 Aug 2016	18	17.19	84.89	7.8	33.45	8.2	24.3	1.94
F31	10 Aug 2016	19	16.63	85.43	7.8	33.44	8.2	24.4	1.65
F31	10 Aug 2016	20	16.43	86.19	7.8	33.42	8.2	24.4	1.40
F31	10 Aug 2016	21	16.19	86.44	7.8	33.42	8.2	24.5	1.29
F31	10 Aug 2016	22	15.81	86.59	7.7	33.41	8.2	24.6	1.26
F31	10 Aug 2016	23	15.65	86.81	7.8	33.40	8.2	24.6	1.24
F31	10 Aug 2016	24	15.63	86.99	7.9	33.40	8.2	24.6	1.24
F31	10 Aug 2016	25	15.39	87.05	7.9	33.40	8.2	24.7	1.17
F31	10 Aug 2016	26	15.22	87.33	7.9	33.39	8.2	24.7	1.15
F31	10 Aug 2016	27	15.01	87.39	8.0	33.38	8.2	24.7	1.21
F31	10 Aug 2016	28	14.72	87.46	7.9	33.38	8.2	24.8	1.19
F31	10 Aug 2016	29	14.76	87.42	7.9	33.38	8.1	24.8	1.23
F31	10 Aug 2016	30	14.37	87.69	7.9	33.37	8.1	24.9	1.08
F31	10 Aug 2016	31	14.26	87.90	7.9	33.37	8.1	24.9	1.00
F31	10 Aug 2016	32	14.31	88.07	7.8	33.37	8.1	24.9	0.94
F31	10 Aug 2016	33	14.10	88.22	7.7	33.37	8.1	24.9	0.82
F31	10 Aug 2016	34	14.13	88.20	7.7	33.37	8.1	24.9	0.81
F31	10 Aug 2016	35	14.03	88.37	7.7	33.37	8.1	24.9	0.80
F31	10 Aug 2016	36	14.00	88.26	7.3	33.38	8.1	24.9	0.71
F31	10 Aug 2016	37	14.03	88.19	7.1	33.39	8.1	24.9	0.66
F31	10 Aug 2016	38	13.93	87.69	6.5	33.42	8.1	25.0	0.51
F31	10 Aug 2016	39	13.89	87.71	6.4	33.42	8.0	25.0	0.46
F31	10 Aug 2016	40	13.88	87.54	6.5	33.41	8.0	25.0	0.48
F31	10 Aug 2016	41	13.76	87.51	6.4	33.41	8.0	25.0	0.47
F31	10 Aug 2016	42	13.71	87.51	6.4	33.41	8.0	25.0	0.45
F31	10 Aug 2016	43	13.64	87.56	6.4	33.41	8.0	25.0	0.47
F31	10 Aug 2016	44	13.59	87.55	6.4	33.41	8.0	25.0	0.48
F31	10 Aug 2016	45	13.53	87.68	6.4	33.41	8.0	25.1	0.48
F31	10 Aug 2016	46	13.51	87.83	6.3	33.41	8.0	25.1	0.45
F31	10 Aug 2016	47	13.35	87.71	6.3	33.41	8.0	25.1	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F31	10 Aug 2016	48	13.29	87.76	6.1	33.41	8.0	25.1	0.43
F31	10 Aug 2016	49	12.87	87.62	5.9	33.42	8.0	25.2	0.37
F31	10 Aug 2016	50	12.93	87.53	5.9	33.42	8.0	25.2	0.37
F31	10 Aug 2016	51	12.68	87.62	5.8	33.43	8.0	25.2	0.37
F31	10 Aug 2016	52	12.60	87.69	5.8	33.42	8.0	25.3	0.34
F31	10 Aug 2016	53	12.58	87.57	5.7	33.42	8.0	25.3	0.33
F31	10 Aug 2016	54	12.53	87.45	5.7	33.43	7.9	25.3	0.32
F31	10 Aug 2016	55	12.44	87.38	5.6	33.43	7.9	25.3	0.32
F31	10 Aug 2016	56	12.41	87.60	5.6	33.43	7.9	25.3	0.33
F31	10 Aug 2016	57	12.36	87.68	5.6	33.44	7.9	25.3	0.32
F31	10 Aug 2016	58	12.22	87.57	5.5	33.44	7.9	25.3	0.32
F31	10 Aug 2016	59	12.17	87.59	5.5	33.44	7.9	25.3	0.30
F31	10 Aug 2016	60	11.98	87.62	5.3	33.45	7.9	25.4	0.28
F31	10 Aug 2016	61	11.64	87.45	5.1	33.47	7.9	25.5	0.23
F31	10 Aug 2016	62	11.67	87.39	5.1	33.46	7.9	25.5	0.23
F31	10 Aug 2016	63	11.56	87.34	5.0	33.47	7.9	25.5	0.22
F31	10 Aug 2016	64	11.41	87.38	5.0	33.48	7.9	25.5	0.21
F31	10 Aug 2016	65	11.29	87.44	4.9	33.49	7.9	25.5	0.20
F31	10 Aug 2016	66	11.34	87.51	4.9	33.49	7.9	25.5	0.20
F31	10 Aug 2016	67	11.23	87.53	4.8	33.50	7.9	25.6	0.19
F31	10 Aug 2016	68	11.16	87.49	4.8	33.50	7.9	25.6	0.19
F31	10 Aug 2016	69	11.09	87.40	4.7	33.51	7.9	25.6	0.20
F31	10 Aug 2016	70	11.01	87.00	4.6	33.52	7.8	25.6	0.16
F31	10 Aug 2016	71	10.96	86.80	4.5	33.52	7.8	25.6	0.15
F31	10 Aug 2016	72	10.85	86.31	4.5	33.53	7.8	25.7	0.15
F31	10 Aug 2016	73	10.79	86.36	4.4	33.54	7.8	25.7	0.14
F31	10 Aug 2016	74	10.79	86.53	4.4	33.55	7.8	25.7	0.15
F31	10 Aug 2016	75	10.80	86.70	4.4	33.56	7.8	25.7	0.14
F31	10 Aug 2016	76	10.78	86.99	4.4	33.57	7.8	25.7	0.13
F31	10 Aug 2016	77	10.77	86.94	4.4	33.57	7.8	25.7	0.13
F31	10 Aug 2016	78	10.74	87.21	4.4	33.58	7.8	25.7	0.13
F31	10 Aug 2016	79	10.63	87.44	4.3	33.61	7.8	25.8	0.13
F31	10 Aug 2016	80	10.53	87.56	4.2	33.64	7.8	25.8	0.12
F31	10 Aug 2016	81	10.55	87.64	4.2	33.63	7.8	25.8	0.12
F31	10 Aug 2016	82	10.51	87.54	4.2	33.64	7.8	25.8	0.12
F31	10 Aug 2016	83	10.43	87.33	4.1	33.66	7.8	25.8	0.12
F31	10 Aug 2016	84	10.37	87.35	4.1	33.68	7.8	25.9	0.11
F31	10 Aug 2016	85	10.37	87.95	4.1	33.68	7.8	25.9	0.10
F31	10 Aug 2016	86	10.29	88.22	4.0	33.69	7.8	25.9	0.09
F31	10 Aug 2016	87	10.26	87.98	4.0	33.71	7.8	25.9	0.09
F31	10 Aug 2016	88	10.25	87.84	3.9	33.72	7.8	25.9	0.09
F31	10 Aug 2016	89	10.24	87.39	3.9	33.73	7.8	25.9	0.08
F31	10 Aug 2016	90	10.19	87.62	3.8	33.75	7.8	25.9	0.08
F31	10 Aug 2016	91	10.18	87.58	3.8	33.75	7.8	25.9	0.08
F31	10 Aug 2016	92	10.16	87.95	3.8	33.76	7.8	26.0	0.07
F31	10 Aug 2016	93	10.14	88.18	3.8	33.77	7.8	26.0	0.06
F31	10 Aug 2016	94	10.13	87.83	3.7	33.79	7.8	26.0	0.07
F31	10 Aug 2016	95	10.14	86.25	3.6	33.80	7.8	26.0	0.07
F31	10 Aug 2016	96	10.14	84.85	3.6	33.80	7.8	26.0	0.07
F31	10 Aug 2016	97	10.14	84.57	3.5	33.80	7.8	26.0	0.07
F31	10 Aug 2016	98	10.14	83.72	3.6	33.80	7.8	26.0	0.08
F31	10 Aug 2016	99	10.14	83.30	3.5	33.80	7.8	26.0	0.07
F32	10 Aug 2016	1	24.00	78.93	8.4	33.74	8.4	22.7	0.74
F32	10 Aug 2016	2	24.01	81.98	8.3	33.74	8.4	22.7	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F32	10 Aug 2016	3	24.01	82.07	8.3	33.74	8.4	22.7	0.83
F32	10 Aug 2016	4	23.99	81.90	8.3	33.74	8.4	22.7	0.91
F32	10 Aug 2016	5	23.96	81.62	8.3	33.74	8.4	22.7	1.10
F32	10 Aug 2016	6	23.95	81.37	8.3	33.74	8.4	22.7	1.25
F32	10 Aug 2016	7	23.89	81.13	8.4	33.74	8.4	22.7	1.59
F32	10 Aug 2016	8	23.75	80.40	8.3	33.72	8.4	22.7	1.88
F32	10 Aug 2016	9	22.95	79.98	8.3	33.67	8.3	22.9	2.41
F32	10 Aug 2016	10	22.50	79.77	8.2	33.64	8.3	23.0	2.73
F32	10 Aug 2016	11	20.54	79.73	8.2	33.54	8.3	23.5	2.88
F32	10 Aug 2016	12	20.06	80.55	8.4	33.49	8.3	23.6	2.91
F32	10 Aug 2016	13	19.86	80.84	8.3	33.49	8.3	23.6	2.97
F32	10 Aug 2016	14	19.47	81.09	8.3	33.48	8.2	23.7	3.06
F32	10 Aug 2016	15	18.94	81.56	8.4	33.47	8.2	23.9	3.03
F32	10 Aug 2016	16	18.40	82.45	8.6	33.47	8.2	24.0	2.79
F32	10 Aug 2016	17	18.00	83.43	8.8	33.45	8.2	24.1	2.50
F32	10 Aug 2016	18	17.70	84.90	8.7	33.45	8.2	24.2	2.10
F32	10 Aug 2016	19	17.36	85.29	8.3	33.45	8.2	24.2	1.78
F32	10 Aug 2016	20	17.13	85.49	8.0	33.44	8.2	24.3	1.56
F32	10 Aug 2016	21	16.95	85.69	7.9	33.44	8.2	24.3	1.61
F32	10 Aug 2016	22	16.70	85.80	7.7	33.44	8.2	24.4	1.54
F32	10 Aug 2016	23	16.61	86.16	7.7	33.43	8.2	24.4	1.51
F32	10 Aug 2016	24	16.44	86.40	7.6	33.42	8.2	24.4	1.35
F32	10 Aug 2016	25	16.02	86.76	7.6	33.41	8.2	24.5	1.19
F32	10 Aug 2016	26	15.76	87.11	7.6	33.41	8.1	24.6	1.12
F32	10 Aug 2016	27	15.52	87.31	7.7	33.40	8.1	24.6	1.00
F32	10 Aug 2016	28	15.42	87.44	7.8	33.40	8.1	24.6	1.01
F32	10 Aug 2016	29	15.07	87.62	7.9	33.39	8.2	24.7	0.94
F32	10 Aug 2016	30	14.96	87.57	7.7	33.39	8.1	24.7	0.89
F32	10 Aug 2016	31	14.66	87.59	7.7	33.40	8.1	24.8	0.92
F32	10 Aug 2016	32	14.39	87.95	7.7	33.38	8.1	24.9	0.88
F32	10 Aug 2016	33	14.24	88.02	7.6	33.38	8.1	24.9	0.81
F32	10 Aug 2016	34	14.19	88.06	7.6	33.38	8.1	24.9	0.80
F32	10 Aug 2016	35	14.17	88.12	7.6	33.38	8.1	24.9	0.78
F32	10 Aug 2016	36	14.17	88.15	7.5	33.38	8.1	24.9	0.76
F32	10 Aug 2016	37	14.15	88.15	7.5	33.38	8.1	24.9	0.75
F32	10 Aug 2016	38	14.14	88.13	7.5	33.38	8.1	24.9	0.78
F32	10 Aug 2016	39	14.11	88.06	7.4	33.38	8.1	24.9	0.75
F32	10 Aug 2016	40	14.07	88.12	7.4	33.38	8.1	24.9	0.74
F32	10 Aug 2016	41	14.01	88.23	7.2	33.38	8.1	24.9	0.74
F32	10 Aug 2016	42	13.57	88.32	6.8	33.39	8.1	25.0	0.70
F32	10 Aug 2016	43	13.37	88.60	6.7	33.39	8.1	25.1	0.63
F32	10 Aug 2016	44	13.19	88.79	6.7	33.39	8.0	25.1	0.60
F32	10 Aug 2016	45	13.12	88.80	6.6	33.38	8.0	25.1	0.59
F32	10 Aug 2016	46	13.03	88.66	6.4	33.39	8.0	25.1	0.57
F32	10 Aug 2016	47	13.03	88.21	6.3	33.40	8.0	25.1	0.55
F32	10 Aug 2016	48	13.02	87.89	6.1	33.41	8.0	25.2	0.46
F32	10 Aug 2016	49	12.99	87.65	6.0	33.42	8.0	25.2	0.40
F32	10 Aug 2016	50	12.90	87.63	5.9	33.42	8.0	25.2	0.38
F32	10 Aug 2016	51	12.82	87.61	5.9	33.42	8.0	25.2	0.38
F32	10 Aug 2016	52	12.74	87.69	5.8	33.42	8.0	25.2	0.39
F32	10 Aug 2016	53	12.62	87.73	5.8	33.43	8.0	25.2	0.37
F32	10 Aug 2016	54	12.42	87.88	5.7	33.43	8.0	25.3	0.34
F32	10 Aug 2016	55	12.31	87.94	5.6	33.43	7.9	25.3	0.34
F32	10 Aug 2016	56	12.24	88.18	5.6	33.43	7.9	25.3	0.35
F32	10 Aug 2016	57	12.16	88.45	5.6	33.44	7.9	25.3	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F32	10 Aug 2016	58	12.11	88.53	5.6	33.43	7.9	25.4	0.36
F32	10 Aug 2016	59	12.09	88.56	5.6	33.44	7.9	25.4	0.37
F32	10 Aug 2016	60	12.06	88.48	5.5	33.44	7.9	25.4	0.37
F32	10 Aug 2016	61	11.99	88.27	5.5	33.44	7.9	25.4	0.34
F32	10 Aug 2016	62	11.93	88.13	5.4	33.44	7.9	25.4	0.32
F32	10 Aug 2016	63	11.63	88.28	5.3	33.45	7.9	25.5	0.29
F32	10 Aug 2016	64	11.56	88.40	5.2	33.45	7.9	25.5	0.26
F32	10 Aug 2016	65	11.22	87.52	4.8	33.43	7.9	25.5	0.21
F32	10 Aug 2016	66	11.12	85.63	4.6	33.42	7.9	25.5	0.18
F32	10 Aug 2016	67	11.18	86.04	4.7	33.44	7.9	25.5	0.18
F32	10 Aug 2016	68	11.06	85.53	4.5	33.44	7.8	25.5	0.17
F32	10 Aug 2016	69	10.94	84.56	4.3	33.43	7.8	25.6	0.15
F32	10 Aug 2016	70	10.98	84.07	4.3	33.43	7.8	25.6	0.14
F32	10 Aug 2016	71	10.91	84.13	4.3	33.43	7.8	25.6	0.15
F32	10 Aug 2016	72	10.88	83.85	4.2	33.43	7.8	25.6	0.13
F32	10 Aug 2016	73	10.90	83.89	4.2	33.43	7.8	25.6	0.13
F32	10 Aug 2016	74	10.86	83.87	4.2	33.45	7.8	25.6	0.13
F32	10 Aug 2016	75	10.86	84.41	4.3	33.46	7.8	25.6	0.13
F32	10 Aug 2016	76	10.85	84.92	4.3	33.46	7.8	25.6	0.13
F32	10 Aug 2016	77	10.84	85.25	4.4	33.47	7.8	25.6	0.14
F32	10 Aug 2016	78	10.84	86.16	4.4	33.49	7.8	25.6	0.13
F32	10 Aug 2016	79	10.82	86.33	4.4	33.51	7.8	25.6	0.15
F32	10 Aug 2016	80	10.78	86.37	4.4	33.51	7.8	25.7	0.14
F32	10 Aug 2016	81	10.74	86.58	4.4	33.51	7.8	25.7	0.14
F32	10 Aug 2016	82	10.69	86.53	4.3	33.52	7.8	25.7	0.13
F32	10 Aug 2016	83	10.56	85.91	4.1	33.55	7.8	25.7	0.12
F32	10 Aug 2016	84	10.55	85.21	4.1	33.57	7.8	25.7	0.11
F32	10 Aug 2016	85	10.55	84.71	4.1	33.58	7.8	25.7	0.12
F32	10 Aug 2016	86	10.51	84.01	4.0	33.61	7.8	25.8	0.12
F32	10 Aug 2016	87	10.50	84.07	4.0	33.61	7.8	25.8	0.11
F32	10 Aug 2016	88	10.41	83.90	3.9	33.65	7.8	25.8	0.11
F32	10 Aug 2016	89	10.42	84.23	3.9	33.65	7.8	25.8	0.11
F32	10 Aug 2016	90	10.36	84.72	3.9	33.66	7.8	25.8	0.11
F32	10 Aug 2016	91	10.33	85.78	3.9	33.68	7.8	25.9	0.10
F32	10 Aug 2016	92	10.25	87.43	3.9	33.71	7.8	25.9	0.09
F32	10 Aug 2016	93	10.22	87.45	3.8	33.73	7.8	25.9	0.09
F32	10 Aug 2016	94	10.17	87.26	3.8	33.77	7.8	26.0	0.08
F32	10 Aug 2016	95	10.16	87.12	3.7	33.78	7.8	26.0	0.08
F32	10 Aug 2016	96	10.14	86.01	3.6	33.80	7.8	26.0	0.08
F32	10 Aug 2016	97	10.14	85.13	3.6	33.80	7.8	26.0	0.08
F32	10 Aug 2016	98	10.14	84.41	3.6	33.80	7.8	26.0	0.08
F32	10 Aug 2016	99	10.14	83.97	3.5	33.80	7.8	26.0	0.09
F33	10 Aug 2016	2	24.01	81.85	8.3	33.74	8.4	22.7	0.88
F33	10 Aug 2016	3	23.99	81.47	8.3	33.74	8.4	22.7	1.09
F33	10 Aug 2016	4	23.98	81.39	8.3	33.74	8.4	22.7	1.26
F33	10 Aug 2016	5	23.96	81.04	8.3	33.74	8.4	22.7	1.47
F33	10 Aug 2016	6	23.84	80.96	8.3	33.73	8.4	22.7	1.77
F33	10 Aug 2016	7	23.02	79.47	8.2	33.68	8.3	22.9	2.49
F33	10 Aug 2016	8	22.05	79.35	8.2	33.61	8.3	23.1	3.10
F33	10 Aug 2016	9	20.26	79.97	8.3	33.52	8.3	23.6	3.20
F33	10 Aug 2016	10	19.63	80.66	8.4	33.49	8.3	23.7	3.12
F33	10 Aug 2016	11	19.32	82.56	8.4	33.49	8.2	23.8	2.82
F33	10 Aug 2016	12	18.34	83.90	8.7	33.47	8.2	24.0	2.19
F33	10 Aug 2016	13	18.20	84.29	8.7	33.47	8.2	24.0	1.93

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F33	10 Aug 2016	14	18.05	84.55	8.7	33.47	8.2	24.1	1.76
F33	10 Aug 2016	15	17.86	84.56	8.6	33.47	8.2	24.1	1.68
F33	10 Aug 2016	16	17.44	84.78	8.7	33.46	8.2	24.2	1.61
F33	10 Aug 2016	17	17.33	85.59	8.7	33.47	8.2	24.3	1.48
F33	10 Aug 2016	18	17.15	85.87	8.7	33.46	8.2	24.3	1.41
F33	10 Aug 2016	19	17.02	85.97	8.7	33.46	8.2	24.3	1.27
F33	10 Aug 2016	20	16.99	86.07	8.6	33.46	8.2	24.3	1.25
F33	10 Aug 2016	21	16.76	86.06	8.6	33.45	8.2	24.4	1.21
F33	10 Aug 2016	22	16.54	86.36	8.6	33.45	8.2	24.4	1.12
F33	10 Aug 2016	23	16.39	86.51	8.4	33.44	8.2	24.5	1.06
F33	10 Aug 2016	24	15.91	86.28	7.8	33.43	8.2	24.6	0.97
F33	10 Aug 2016	25	15.82	86.92	7.5	33.42	8.1	24.6	0.94
F33	10 Aug 2016	26	15.63	87.16	7.5	33.41	8.1	24.6	0.88
F33	10 Aug 2016	27	15.32	87.38	7.5	33.40	8.1	24.7	0.85
F33	10 Aug 2016	28	15.14	87.56	7.7	33.40	8.1	24.7	0.88
F33	10 Aug 2016	29	14.96	87.65	7.7	33.39	8.1	24.7	0.91
F33	10 Aug 2016	30	14.70	87.56	7.7	33.39	8.1	24.8	0.95
F33	10 Aug 2016	31	14.69	87.82	7.6	33.39	8.1	24.8	0.91
F33	10 Aug 2016	32	14.21	87.96	7.4	33.39	8.1	24.9	0.80
F33	10 Aug 2016	33	14.05	88.14	7.3	33.38	8.1	24.9	0.74
F33	10 Aug 2016	34	13.94	88.15	7.2	33.38	8.1	24.9	0.72
F33	10 Aug 2016	35	13.80	88.26	7.0	33.39	8.1	25.0	0.69
F33	10 Aug 2016	36	13.44	88.24	6.8	33.38	8.1	25.1	0.69
F33	10 Aug 2016	37	13.41	88.43	6.7	33.38	8.0	25.1	0.66
F33	10 Aug 2016	38	13.28	88.61	6.6	33.39	8.0	25.1	0.56
F33	10 Aug 2016	39	13.22	88.70	6.6	33.38	8.0	25.1	0.53
F33	10 Aug 2016	40	13.20	88.70	6.6	33.39	8.0	25.1	0.51
F33	10 Aug 2016	41	13.14	88.84	6.5	33.39	8.0	25.1	0.52
F33	10 Aug 2016	42	13.06	88.91	6.5	33.39	8.0	25.1	0.48
F33	10 Aug 2016	43	13.04	88.90	6.5	33.38	8.0	25.1	0.50
F33	10 Aug 2016	44	13.02	88.91	6.5	33.38	8.0	25.1	0.47
F33	10 Aug 2016	45	12.98	89.02	6.5	33.38	8.0	25.1	0.50
F33	10 Aug 2016	46	12.88	89.05	6.4	33.39	8.0	25.2	0.45
F33	10 Aug 2016	47	12.79	88.99	6.3	33.39	8.0	25.2	0.42
F33	10 Aug 2016	48	12.65	88.99	6.2	33.39	8.0	25.2	0.37
F33	10 Aug 2016	49	12.60	88.71	6.0	33.40	8.0	25.2	0.35
F33	10 Aug 2016	50	12.57	88.40	5.9	33.41	8.0	25.2	0.33
F33	10 Aug 2016	51	12.54	88.46	5.9	33.41	8.0	25.3	0.34
F33	10 Aug 2016	52	12.49	88.60	5.8	33.41	8.0	25.3	0.32
F33	10 Aug 2016	53	12.30	88.54	5.7	33.43	8.0	25.3	0.31
F33	10 Aug 2016	54	12.23	88.61	5.6	33.42	7.9	25.3	0.29
F33	10 Aug 2016	55	12.16	88.51	5.6	33.43	7.9	25.3	0.27
F33	10 Aug 2016	56	12.10	88.24	5.5	33.43	7.9	25.4	0.25
F33	10 Aug 2016	57	11.97	87.55	5.4	33.44	7.9	25.4	0.26
F33	10 Aug 2016	58	11.90	87.34	5.3	33.44	7.9	25.4	0.25
F33	10 Aug 2016	59	11.86	87.30	5.3	33.45	7.9	25.4	0.24
F33	10 Aug 2016	60	11.83	87.13	5.2	33.45	7.9	25.4	0.24
F33	10 Aug 2016	61	11.83	87.15	5.2	33.45	7.9	25.4	0.24
F33	10 Aug 2016	62	11.79	87.12	5.2	33.45	7.9	25.4	0.22
F33	10 Aug 2016	63	11.78	86.46	5.1	33.45	7.9	25.4	0.22
F33	10 Aug 2016	64	11.70	86.16	5.1	33.45	7.9	25.4	0.23
F33	10 Aug 2016	65	11.61	86.96	5.1	33.46	7.9	25.5	0.23
F33	10 Aug 2016	66	11.49	87.22	5.0	33.46	7.9	25.5	0.21
F33	10 Aug 2016	67	11.47	87.61	5.0	33.47	7.9	25.5	0.21
F33	10 Aug 2016	68	11.31	86.00	4.8	33.48	7.9	25.5	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F33	10 Aug 2016	69	11.26	84.89	4.8	33.48	7.9	25.5	0.19
F33	10 Aug 2016	70	11.22	85.10	4.7	33.49	7.8	25.6	0.19
F33	10 Aug 2016	71	11.21	84.15	4.7	33.49	7.8	25.6	0.18
F33	10 Aug 2016	72	11.12	84.31	4.6	33.48	7.8	25.6	0.16
F33	10 Aug 2016	73	11.12	85.13	4.6	33.48	7.8	25.6	0.16
F33	10 Aug 2016	74	11.02	85.67	4.5	33.48	7.8	25.6	0.15
F33	10 Aug 2016	75	11.00	86.09	4.5	33.47	7.8	25.6	0.13
F33	10 Aug 2016	76	10.99	86.06	4.5	33.48	7.8	25.6	0.14
F33	10 Aug 2016	77	11.00	86.10	4.5	33.48	7.8	25.6	0.14
F33	10 Aug 2016	78	10.98	86.01	4.5	33.49	7.8	25.6	0.13
F33	10 Aug 2016	79	10.95	85.76	4.4	33.49	7.8	25.6	0.14
F33	10 Aug 2016	80	10.93	85.26	4.4	33.49	7.8	25.6	0.13
F33	10 Aug 2016	81	10.92	85.20	4.4	33.49	7.8	25.6	0.13
F33	10 Aug 2016	82	10.88	85.10	4.3	33.51	7.8	25.6	0.12
F33	10 Aug 2016	83	10.88	84.90	4.3	33.52	7.8	25.6	0.13
F33	10 Aug 2016	84	10.88	84.52	4.3	33.52	7.8	25.6	0.14
F33	10 Aug 2016	85	10.89	84.22	4.4	33.53	7.8	25.6	0.13
F33	10 Aug 2016	86	10.89	84.10	4.4	33.53	7.8	25.6	0.13
F33	10 Aug 2016	87	10.90	84.06	4.4	33.53	7.8	25.6	0.13
F33	10 Aug 2016	88	10.90	84.05	4.4	33.54	7.8	25.7	0.13
F33	10 Aug 2016	89	10.89	83.72	4.4	33.54	7.8	25.7	0.13
F33	10 Aug 2016	90	10.80	83.51	4.2	33.58	7.8	25.7	0.14
F33	10 Aug 2016	91	10.51	82.82	4.0	33.67	7.8	25.8	0.12
F33	10 Aug 2016	92	10.39	83.87	3.9	33.70	7.8	25.9	0.10
F33	10 Aug 2016	93	10.42	84.17	3.9	33.69	7.8	25.9	0.11
F33	10 Aug 2016	94	10.35	84.37	3.8	33.71	7.8	25.9	0.10
F33	10 Aug 2016	95	10.26	84.85	3.8	33.74	7.8	25.9	0.10
F33	10 Aug 2016	96	10.24	85.81	3.8	33.75	7.8	25.9	0.09
F33	10 Aug 2016	97	10.23	85.91	3.8	33.75	7.8	25.9	0.08
F33	10 Aug 2016	98	10.23	85.71	3.7	33.75	7.8	25.9	0.09
F33	10 Aug 2016	99	10.19	85.07	3.6	33.78	7.8	26.0	0.09
F34	10 Aug 2016	1	23.98	81.51	8.3	33.75	8.4	22.7	0.82
F34	10 Aug 2016	2	23.96	82.19	8.3	33.75	8.4	22.7	0.88
F34	10 Aug 2016	3	23.95	82.14	8.3	33.74	8.4	22.7	0.97
F34	10 Aug 2016	4	23.94	82.04	8.3	33.74	8.4	22.7	1.09
F34	10 Aug 2016	5	23.92	81.88	8.3	33.74	8.4	22.7	1.27
F34	10 Aug 2016	6	23.89	81.75	8.3	33.74	8.4	22.7	1.48
F34	10 Aug 2016	7	23.09	80.20	8.2	33.69	8.3	22.9	2.27
F34	10 Aug 2016	8	22.00	78.80	8.2	33.61	8.3	23.2	3.21
F34	10 Aug 2016	9	20.77	79.05	8.3	33.53	8.3	23.4	3.54
F34	10 Aug 2016	10	19.87	80.43	8.6	33.50	8.3	23.6	3.30
F34	10 Aug 2016	11	19.61	81.77	8.7	33.48	8.3	23.7	3.14
F34	10 Aug 2016	12	19.40	82.44	8.8	33.47	8.3	23.8	2.98
F34	10 Aug 2016	13	19.07	82.87	8.7	33.48	8.3	23.8	2.95
F34	10 Aug 2016	14	18.25	84.83	8.8	33.45	8.2	24.0	2.44
F34	10 Aug 2016	15	17.66	85.27	8.8	33.45	8.2	24.2	2.22
F34	10 Aug 2016	16	17.25	85.46	8.8	33.45	8.2	24.3	1.94
F34	10 Aug 2016	17	16.94	85.72	8.7	33.45	8.2	24.3	1.75
F34	10 Aug 2016	18	16.69	86.12	8.6	33.45	8.2	24.4	1.46
F34	10 Aug 2016	19	16.21	86.51	8.6	33.44	8.2	24.5	1.34
F34	10 Aug 2016	20	16.06	86.68	8.6	33.43	8.2	24.5	1.10
F34	10 Aug 2016	21	16.04	86.70	8.4	33.43	8.2	24.5	1.02
F34	10 Aug 2016	22	15.43	86.90	8.3	33.42	8.2	24.7	0.97
F34	10 Aug 2016	23	15.03	87.35	8.3	33.39	8.2	24.7	0.91

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F34	10 Aug 2016	24	14.88	87.48	8.0	33.39	8.2	24.8	0.92
F34	10 Aug 2016	25	14.70	87.52	7.8	33.40	8.1	24.8	0.91
F34	10 Aug 2016	26	14.66	87.54	7.8	33.39	8.1	24.8	0.92
F34	10 Aug 2016	27	14.47	87.47	7.6	33.40	8.1	24.9	0.88
F34	10 Aug 2016	28	14.25	87.67	7.5	33.40	8.1	24.9	0.87
F34	10 Aug 2016	29	14.17	87.63	7.4	33.39	8.1	24.9	0.85
F34	10 Aug 2016	30	14.13	87.67	7.2	33.40	8.1	24.9	0.85
F34	10 Aug 2016	31	14.05	87.73	7.2	33.40	8.1	24.9	0.80
F34	10 Aug 2016	32	14.00	87.77	7.1	33.40	8.1	25.0	0.82
F34	10 Aug 2016	33	13.74	87.79	7.0	33.40	8.1	25.0	0.81
F34	10 Aug 2016	34	13.53	87.94	6.8	33.40	8.1	25.0	0.75
F34	10 Aug 2016	35	13.43	87.95	6.7	33.40	8.0	25.1	0.72
F34	10 Aug 2016	36	13.40	87.93	6.6	33.40	8.0	25.1	0.66
F34	10 Aug 2016	37	13.38	87.92	6.5	33.40	8.0	25.1	0.64
F34	10 Aug 2016	38	13.34	87.88	6.4	33.41	8.0	25.1	0.57
F34	10 Aug 2016	39	13.33	87.85	6.4	33.41	8.0	25.1	0.55
F34	10 Aug 2016	40	13.29	87.90	6.4	33.41	8.0	25.1	0.54
F34	10 Aug 2016	41	13.27	87.82	6.3	33.41	8.0	25.1	0.52
F34	10 Aug 2016	42	13.21	87.88	6.3	33.41	8.0	25.1	0.53
F34	10 Aug 2016	43	13.17	87.85	6.2	33.41	8.0	25.1	0.49
F34	10 Aug 2016	44	13.16	87.77	6.2	33.41	8.0	25.1	0.45
F34	10 Aug 2016	45	13.10	87.77	6.1	33.41	8.0	25.1	0.44
F34	10 Aug 2016	46	13.07	87.81	6.1	33.41	8.0	25.1	0.43
F34	10 Aug 2016	47	13.02	87.77	6.1	33.41	8.0	25.2	0.43
F34	10 Aug 2016	48	12.99	87.74	6.0	33.41	8.0	25.2	0.42
F34	10 Aug 2016	49	12.93	87.66	6.0	33.41	8.0	25.2	0.41
F34	10 Aug 2016	50	12.90	87.64	5.9	33.42	8.0	25.2	0.41
F34	10 Aug 2016	51	12.76	87.60	5.9	33.42	8.0	25.2	0.39
F34	10 Aug 2016	52	12.61	87.74	5.8	33.42	8.0	25.2	0.39
F34	10 Aug 2016	53	12.58	87.74	5.8	33.42	8.0	25.3	0.38
F34	10 Aug 2016	54	12.43	87.93	5.7	33.43	8.0	25.3	0.37
F34	10 Aug 2016	55	12.38	88.03	5.7	33.42	7.9	25.3	0.36
F34	10 Aug 2016	56	12.34	88.10	5.7	33.42	7.9	25.3	0.33
F34	10 Aug 2016	57	12.29	88.07	5.7	33.42	7.9	25.3	0.30
F34	10 Aug 2016	58	12.29	88.12	5.7	33.42	7.9	25.3	0.30
F34	10 Aug 2016	59	12.28	88.17	5.7	33.42	7.9	25.3	0.29
F34	10 Aug 2016	60	12.25	88.40	5.7	33.42	7.9	25.3	0.29
F34	10 Aug 2016	61	12.20	88.54	5.6	33.43	7.9	25.3	0.30
F34	10 Aug 2016	62	12.02	88.71	5.5	33.44	7.9	25.4	0.27
F34	10 Aug 2016	63	11.92	88.64	5.5	33.44	7.9	25.4	0.26
F34	10 Aug 2016	64	11.86	88.48	5.4	33.44	7.9	25.4	0.27
F34	10 Aug 2016	65	11.80	88.24	5.3	33.45	7.9	25.4	0.26
F34	10 Aug 2016	66	11.76	87.85	5.3	33.45	7.9	25.4	0.24
F34	10 Aug 2016	67	11.75	87.54	5.2	33.45	7.9	25.4	0.24
F34	10 Aug 2016	68	11.73	87.39	5.2	33.45	7.9	25.4	0.23
F34	10 Aug 2016	69	11.71	86.86	5.1	33.45	7.9	25.4	0.22
F34	10 Aug 2016	70	11.66	86.71	5.1	33.45	7.9	25.5	0.22
F34	10 Aug 2016	71	11.63	86.42	5.0	33.45	7.9	25.5	0.22
F34	10 Aug 2016	72	11.59	86.43	5.0	33.46	7.9	25.5	0.21
F34	10 Aug 2016	73	11.55	85.99	5.0	33.46	7.9	25.5	0.22
F34	10 Aug 2016	74	11.44	87.08	5.0	33.47	7.9	25.5	0.23
F34	10 Aug 2016	75	11.35	88.24	5.0	33.47	7.9	25.5	0.21
F34	10 Aug 2016	76	11.23	87.86	4.8	33.48	7.9	25.5	0.20
F34	10 Aug 2016	77	11.13	86.70	4.7	33.47	7.8	25.6	0.17
F34	10 Aug 2016	78	11.15	86.47	4.7	33.48	7.8	25.6	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F34	10 Aug 2016	79	11.15	85.34	4.8	33.49	7.8	25.6	0.16
F34	10 Aug 2016	80	11.08	85.51	4.6	33.50	7.8	25.6	0.16
F34	10 Aug 2016	81	11.07	85.23	4.6	33.50	7.8	25.6	0.16
F34	10 Aug 2016	82	10.99	85.71	4.5	33.51	7.8	25.6	0.16
F34	10 Aug 2016	83	11.01	84.69	4.5	33.51	7.8	25.6	0.15
F34	10 Aug 2016	84	10.98	84.56	4.5	33.52	7.8	25.6	0.15
F34	10 Aug 2016	85	10.92	84.79	4.5	33.53	7.8	25.6	0.15
F34	10 Aug 2016	86	10.92	85.94	4.5	33.53	7.8	25.6	0.16
F34	10 Aug 2016	87	10.91	86.31	4.5	33.53	7.8	25.7	0.16
F34	10 Aug 2016	88	10.88	86.69	4.5	33.54	7.8	25.7	0.17
F34	10 Aug 2016	89	10.86	86.38	4.4	33.55	7.8	25.7	0.16
F34	10 Aug 2016	90	10.83	85.68	4.4	33.56	7.8	25.7	0.16
F34	10 Aug 2016	91	10.79	85.31	4.3	33.58	7.8	25.7	0.15
F34	10 Aug 2016	92	10.71	83.46	4.2	33.61	7.8	25.7	0.15
F34	10 Aug 2016	93	10.59	82.34	4.0	33.65	7.8	25.8	0.13
F34	10 Aug 2016	94	10.48	82.78	3.9	33.69	7.8	25.8	0.13
F34	10 Aug 2016	95	10.40	83.69	3.8	33.71	7.8	25.9	0.12
F34	10 Aug 2016	96	10.29	85.04	3.8	33.74	7.8	25.9	0.10
F34	10 Aug 2016	97	10.28	84.63	3.7	33.75	7.8	25.9	0.09
F34	10 Aug 2016	98	10.27	83.24	3.7	33.76	7.8	25.9	0.10
F34	10 Aug 2016	99	10.26	83.21	3.7	33.76	7.8	25.9	0.10
F34	10 Aug 2016	100	10.26	83.32	3.7	33.76	7.8	25.9	0.09
F35	10 Aug 2016	1	23.97	82.03	8.3	33.75	8.4	22.7	0.93
F35	10 Aug 2016	2	23.97	82.09	8.3	33.75	8.4	22.7	1.03
F35	10 Aug 2016	3	23.97	82.02	8.3	33.75	8.4	22.7	1.07
F35	10 Aug 2016	4	23.96	82.16	8.3	33.75	8.4	22.7	1.16
F35	10 Aug 2016	5	23.95	82.04	8.3	33.75	8.4	22.7	1.31
F35	10 Aug 2016	6	23.92	81.88	8.3	33.75	8.4	22.7	1.53
F35	10 Aug 2016	7	23.66	81.34	8.1	33.73	8.4	22.8	1.92
F35	10 Aug 2016	8	21.75	79.49	8.3	33.59	8.3	23.2	2.87
F35	10 Aug 2016	9	21.63	79.91	8.2	33.59	8.3	23.2	3.10
F35	10 Aug 2016	10	19.63	81.38	8.6	33.49	8.3	23.7	3.01
F35	10 Aug 2016	11	19.03	83.03	8.7	33.45	8.2	23.8	2.86
F35	10 Aug 2016	12	18.11	84.44	8.9	33.43	8.2	24.0	2.51
F35	10 Aug 2016	13	17.96	84.67	8.9	33.42	8.2	24.1	2.33
F35	10 Aug 2016	14	17.52	84.96	8.8	33.42	8.2	24.2	2.11
F35	10 Aug 2016	15	17.01	85.43	8.8	33.42	8.2	24.3	1.93
F35	10 Aug 2016	16	16.85	85.30	8.7	33.42	8.2	24.3	1.80
F35	10 Aug 2016	17	16.49	85.81	8.6	33.43	8.2	24.4	1.79
F35	10 Aug 2016	18	16.26	85.70	8.7	33.42	8.2	24.5	1.72
F35	10 Aug 2016	19	16.15	86.01	8.6	33.42	8.2	24.5	1.56
F35	10 Aug 2016	20	15.93	86.20	8.6	33.42	8.2	24.6	1.41
F35	10 Aug 2016	21	15.65	86.44	8.4	33.42	8.2	24.6	1.28
F35	10 Aug 2016	22	15.19	86.71	8.5	33.39	8.2	24.7	1.24
F35	10 Aug 2016	23	14.93	87.13	8.4	33.36	8.2	24.7	1.20
F35	10 Aug 2016	24	14.73	87.46	8.4	33.34	8.2	24.8	1.15
F35	10 Aug 2016	25	14.41	87.95	8.3	33.34	8.2	24.8	1.06
F35	10 Aug 2016	26	14.35	87.74	8.1	33.33	8.2	24.8	1.00
F35	10 Aug 2016	27	14.04	88.19	7.8	33.36	8.1	24.9	0.93
F35	10 Aug 2016	28	13.89	88.21	7.7	33.37	8.1	24.9	0.87
F35	10 Aug 2016	29	13.84	88.27	7.6	33.37	8.1	25.0	0.88
F35	10 Aug 2016	30	13.78	88.27	7.4	33.37	8.1	25.0	0.87
F35	10 Aug 2016	31	13.70	88.06	7.2	33.38	8.1	25.0	0.87
F35	10 Aug 2016	32	13.66	87.88	7.0	33.39	8.1	25.0	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F35	10 Aug 2016	33	13.63	87.78	6.9	33.39	8.1	25.0	0.91
F35	10 Aug 2016	34	13.58	87.82	6.8	33.40	8.1	25.0	0.83
F35	10 Aug 2016	35	13.57	87.84	6.8	33.40	8.0	25.0	0.85
F35	10 Aug 2016	36	13.55	87.87	6.7	33.40	8.0	25.0	0.78
F35	10 Aug 2016	37	13.52	87.83	6.7	33.40	8.0	25.1	0.75
F35	10 Aug 2016	38	13.47	87.91	6.6	33.40	8.0	25.1	0.71
F35	10 Aug 2016	39	13.40	87.94	6.6	33.40	8.0	25.1	0.70
F35	10 Aug 2016	40	13.26	88.03	6.5	33.40	8.0	25.1	0.75
F35	10 Aug 2016	41	13.24	88.02	6.5	33.40	8.0	25.1	0.77
F35	10 Aug 2016	42	13.16	88.17	6.5	33.40	8.0	25.1	0.76
F35	10 Aug 2016	43	13.13	88.21	6.5	33.40	8.0	25.1	0.76
F35	10 Aug 2016	44	13.11	88.22	6.5	33.40	8.0	25.1	0.70
F35	10 Aug 2016	45	13.10	88.28	6.4	33.40	8.0	25.1	0.68
F35	10 Aug 2016	46	13.10	88.18	6.4	33.40	8.0	25.1	0.63
F35	10 Aug 2016	47	13.10	88.18	6.3	33.41	8.0	25.1	0.58
F35	10 Aug 2016	48	13.09	88.08	6.2	33.41	8.0	25.1	0.55
F35	10 Aug 2016	49	12.95	87.88	6.1	33.42	8.0	25.2	0.47
F35	10 Aug 2016	50	12.90	87.85	6.0	33.42	8.0	25.2	0.46
F35	10 Aug 2016	51	12.79	87.71	6.0	33.42	8.0	25.2	0.45
F35	10 Aug 2016	52	12.68	87.85	6.0	33.41	8.0	25.2	0.53
F35	10 Aug 2016	53	12.66	88.35	6.0	33.41	8.0	25.2	0.53
F35	10 Aug 2016	54	12.60	88.51	6.0	33.41	8.0	25.2	0.53
F35	10 Aug 2016	55	12.57	88.52	6.0	33.41	8.0	25.2	0.49
F35	10 Aug 2016	56	12.53	88.62	6.0	33.41	8.0	25.3	0.50
F35	10 Aug 2016	57	12.47	88.57	5.9	33.42	8.0	25.3	0.47
F35	10 Aug 2016	58	12.45	88.57	5.9	33.41	8.0	25.3	0.47
F35	10 Aug 2016	59	12.41	88.68	5.9	33.42	8.0	25.3	0.47
F35	10 Aug 2016	60	12.39	88.68	5.9	33.42	8.0	25.3	0.46
F35	10 Aug 2016	61	12.35	88.72	5.9	33.42	8.0	25.3	0.47
F35	10 Aug 2016	62	12.26	88.71	5.8	33.42	8.0	25.3	0.43
F35	10 Aug 2016	63	12.16	88.41	5.6	33.43	7.9	25.3	0.37
F35	10 Aug 2016	64	12.09	88.22	5.6	33.44	7.9	25.4	0.35
F35	10 Aug 2016	65	12.05	88.08	5.5	33.44	7.9	25.4	0.34
F35	10 Aug 2016	66	11.99	87.90	5.5	33.44	7.9	25.4	0.31
F35	10 Aug 2016	67	11.94	87.91	5.4	33.45	7.9	25.4	0.30
F35	10 Aug 2016	68	11.93	87.84	5.4	33.45	7.9	25.4	0.29
F35	10 Aug 2016	69	11.90	87.73	5.3	33.45	7.9	25.4	0.29
F35	10 Aug 2016	70	11.83	87.55	5.3	33.45	7.9	25.4	0.28
F35	10 Aug 2016	71	11.77	87.40	5.2	33.46	7.9	25.4	0.26
F35	10 Aug 2016	72	11.72	87.33	5.2	33.46	7.9	25.4	0.25
F35	10 Aug 2016	73	11.62	87.10	5.1	33.47	7.9	25.5	0.25
F35	10 Aug 2016	74	11.38	87.80	5.0	33.48	7.9	25.5	0.22
F35	10 Aug 2016	75	11.28	87.56	4.9	33.49	7.9	25.6	0.22
F35	10 Aug 2016	76	11.22	87.19	4.9	33.50	7.9	25.6	0.21
F35	10 Aug 2016	77	11.16	87.30	4.8	33.50	7.9	25.6	0.20
F35	10 Aug 2016	78	11.15	87.42	4.8	33.50	7.9	25.6	0.20
F35	10 Aug 2016	79	11.15	87.47	4.8	33.50	7.9	25.6	0.19
F35	10 Aug 2016	80	11.15	87.42	4.8	33.50	7.9	25.6	0.19
F35	10 Aug 2016	81	11.12	87.47	4.8	33.51	7.9	25.6	0.19
F35	10 Aug 2016	82	11.11	87.58	4.8	33.51	7.9	25.6	0.20
F35	10 Aug 2016	83	11.06	87.62	4.8	33.52	7.8	25.6	0.20
F35	10 Aug 2016	84	10.98	87.29	4.7	33.53	7.8	25.6	0.18
F35	10 Aug 2016	85	10.92	87.20	4.6	33.54	7.8	25.7	0.17
F35	10 Aug 2016	86	10.88	87.25	4.6	33.54	7.8	25.7	0.16
F35	10 Aug 2016	87	10.85	87.14	4.6	33.55	7.8	25.7	0.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F35	10 Aug 2016	88	10.79	86.91	4.5	33.56	7.8	25.7	0.15
F35	10 Aug 2016	89	10.75	86.47	4.5	33.57	7.8	25.7	0.15
F35	10 Aug 2016	90	10.69	85.89	4.3	33.59	7.8	25.7	0.13
F35	10 Aug 2016	91	10.59	83.35	4.2	33.64	7.8	25.8	0.13
F35	10 Aug 2016	92	10.58	81.62	4.1	33.65	7.8	25.8	0.14
F35	10 Aug 2016	93	10.56	80.39	4.0	33.66	7.8	25.8	0.13
F35	10 Aug 2016	94	10.55	79.04	4.0	33.66	7.8	25.8	0.13
F35	10 Aug 2016	95	10.55	78.71	4.0	33.66	7.8	25.8	0.13
F35	10 Aug 2016	96	10.51	78.90	4.0	33.67	7.8	25.8	0.12
F35	10 Aug 2016	97	10.44	79.63	4.0	33.69	7.8	25.9	0.12
F35	10 Aug 2016	98	10.32	82.18	4.0	33.73	7.8	25.9	0.10
F35	10 Aug 2016	99	10.24	83.73	3.7	33.76	7.8	25.9	0.09
F36	10 Aug 2016	1	23.96	82.07	8.4	33.75	8.4	22.7	1.12
F36	10 Aug 2016	2	23.96	81.99	8.4	33.75	8.4	22.7	1.17
F36	10 Aug 2016	3	23.96	82.06	8.4	33.75	8.4	22.7	1.32
F36	10 Aug 2016	4	23.95	82.03	8.4	33.75	8.4	22.7	1.41
F36	10 Aug 2016	5	23.94	82.04	8.2	33.75	8.4	22.7	1.55
F36	10 Aug 2016	6	23.68	81.85	8.2	33.73	8.3	22.8	1.96
F36	10 Aug 2016	7	22.71	80.47	8.2	33.67	8.3	23.0	2.58
F36	10 Aug 2016	8	21.55	79.99	8.1	33.59	8.3	23.3	3.13
F36	10 Aug 2016	9	20.34	79.62	8.2	33.53	8.3	23.6	3.57
F36	10 Aug 2016	10	19.77	80.79	8.4	33.50	8.2	23.7	3.51
F36	10 Aug 2016	11	19.47	81.63	8.6	33.48	8.2	23.7	3.21
F36	10 Aug 2016	12	19.35	81.96	8.6	33.47	8.2	23.8	3.04
F36	10 Aug 2016	13	18.89	83.02	8.5	33.47	8.2	23.9	2.84
F36	10 Aug 2016	14	18.02	83.80	8.7	33.46	8.2	24.1	2.38
F36	10 Aug 2016	15	17.30	84.73	8.8	33.44	8.2	24.2	2.19
F36	10 Aug 2016	16	17.08	85.21	8.7	33.43	8.2	24.3	1.91
F36	10 Aug 2016	17	16.70	85.41	8.5	33.43	8.2	24.4	1.75
F36	10 Aug 2016	18	16.12	85.95	8.5	33.42	8.2	24.5	1.52
F36	10 Aug 2016	19	15.84	86.25	8.4	33.42	8.2	24.6	1.42
F36	10 Aug 2016	20	15.70	86.45	8.4	33.42	8.2	24.6	1.41
F36	10 Aug 2016	21	15.33	86.24	8.5	33.40	8.2	24.7	1.49
F36	10 Aug 2016	22	15.20	86.57	8.5	33.38	8.2	24.7	1.54
F36	10 Aug 2016	23	15.05	86.73	8.5	33.37	8.2	24.7	1.61
F36	10 Aug 2016	24	14.93	86.64	8.4	33.36	8.2	24.7	1.75
F36	10 Aug 2016	25	14.63	86.92	8.3	33.34	8.2	24.8	1.67
F36	10 Aug 2016	26	14.37	87.31	8.2	33.33	8.2	24.8	1.61
F36	10 Aug 2016	27	14.31	87.58	8.2	33.33	8.2	24.8	1.56
F36	10 Aug 2016	28	14.26	87.69	8.1	33.33	8.1	24.8	1.49
F36	10 Aug 2016	29	14.20	87.79	8.0	33.33	8.1	24.9	1.44
F36	10 Aug 2016	30	14.12	87.92	7.9	33.33	8.1	24.9	1.32
F36	10 Aug 2016	31	13.85	87.99	7.7	33.35	8.1	24.9	1.28
F36	10 Aug 2016	32	13.75	88.08	7.5	33.36	8.1	25.0	1.16
F36	10 Aug 2016	33	13.69	88.26	7.4	33.36	8.1	25.0	1.06
F36	10 Aug 2016	34	13.65	88.16	7.3	33.37	8.1	25.0	1.01
F36	10 Aug 2016	35	13.60	88.09	7.2	33.37	8.1	25.0	1.11
F36	10 Aug 2016	36	13.41	87.87	6.8	33.39	8.1	25.1	1.18
F36	10 Aug 2016	37	13.21	87.55	6.6	33.40	8.0	25.1	1.09
F36	10 Aug 2016	38	13.13	87.99	6.5	33.40	8.0	25.1	0.92
F36	10 Aug 2016	39	13.12	88.10	6.5	33.40	8.0	25.1	0.81
F36	10 Aug 2016	40	13.11	88.18	6.5	33.40	8.0	25.1	0.76
F36	10 Aug 2016	41	13.11	88.21	6.5	33.40	8.0	25.1	0.79
F36	10 Aug 2016	42	13.09	88.19	6.5	33.40	8.0	25.1	0.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
F36	10 Aug 2016	43	13.06	88.22	6.4	33.40	8.0	25.1	0.76
F36	10 Aug 2016	44	13.02	88.23	6.4	33.41	8.0	25.2	0.74
F36	10 Aug 2016	45	12.97	88.33	6.4	33.40	8.0	25.2	0.71
F36	10 Aug 2016	46	12.97	88.34	6.4	33.40	8.0	25.2	0.68
F36	10 Aug 2016	47	12.97	88.34	6.4	33.40	8.0	25.2	0.70
F36	10 Aug 2016	48	12.97	88.39	6.4	33.40	8.0	25.2	0.70
F36	10 Aug 2016	49	12.95	88.36	6.3	33.41	8.0	25.2	0.68
F36	10 Aug 2016	50	12.92	88.35	6.3	33.41	8.0	25.2	0.68
F36	10 Aug 2016	51	12.89	88.38	6.3	33.41	8.0	25.2	0.68
F36	10 Aug 2016	52	12.84	88.44	6.2	33.41	8.0	25.2	0.63
F36	10 Aug 2016	53	12.77	88.54	6.2	33.41	8.0	25.2	0.57
F36	10 Aug 2016	54	12.74	88.56	6.1	33.41	8.0	25.2	0.53
F36	10 Aug 2016	55	12.64	88.45	6.0	33.42	8.0	25.2	0.51
F36	10 Aug 2016	56	12.55	88.42	6.0	33.42	8.0	25.3	0.50
F36	10 Aug 2016	57	12.53	88.44	5.9	33.42	8.0	25.3	0.47
F36	10 Aug 2016	58	12.48	88.63	6.0	33.41	8.0	25.3	0.45
F36	10 Aug 2016	59	12.47	88.71	6.0	33.41	8.0	25.3	0.45
F36	10 Aug 2016	60	12.47	88.74	6.0	33.41	8.0	25.3	0.48
F36	10 Aug 2016	61	12.45	88.80	5.9	33.42	8.0	25.3	0.48
F36	10 Aug 2016	62	12.36	88.82	5.9	33.42	8.0	25.3	0.45
F36	10 Aug 2016	63	12.19	88.88	5.8	33.43	7.9	25.3	0.43
F36	10 Aug 2016	64	11.92	89.10	5.7	33.44	7.9	25.4	0.39
F36	10 Aug 2016	65	11.86	89.03	5.6	33.44	7.9	25.4	0.36
F36	10 Aug 2016	66	11.80	88.95	5.5	33.44	7.9	25.4	0.35
F36	10 Aug 2016	67	11.75	88.78	5.5	33.45	7.9	25.4	0.31
F36	10 Aug 2016	68	11.65	88.75	5.4	33.45	7.9	25.5	0.30
F36	10 Aug 2016	69	11.53	88.86	5.3	33.46	7.9	25.5	0.28
F36	10 Aug 2016	70	11.52	88.90	5.3	33.46	7.9	25.5	0.27
F36	10 Aug 2016	71	11.39	88.75	5.2	33.47	7.9	25.5	0.25
F36	10 Aug 2016	72	11.36	88.69	5.2	33.47	7.9	25.5	0.24
F36	10 Aug 2016	73	11.34	88.69	5.1	33.47	7.9	25.5	0.24
F36	10 Aug 2016	74	11.31	88.71	5.1	33.48	7.9	25.5	0.24
F36	10 Aug 2016	75	11.27	88.73	5.1	33.48	7.9	25.5	0.25
F36	10 Aug 2016	76	11.25	88.64	5.0	33.48	7.9	25.6	0.23
F36	10 Aug 2016	77	11.19	88.55	5.0	33.49	7.9	25.6	0.23
F36	10 Aug 2016	78	11.13	88.63	4.9	33.50	7.9	25.6	0.22
F36	10 Aug 2016	79	11.12	88.53	4.9	33.50	7.9	25.6	0.24
F36	10 Aug 2016	80	11.11	88.22	4.8	33.51	7.9	25.6	0.22
F36	10 Aug 2016	81	11.10	87.90	4.8	33.51	7.8	25.6	0.20
F36	10 Aug 2016	82	11.07	87.84	4.8	33.51	7.8	25.6	0.20
F36	10 Aug 2016	83	11.06	87.94	4.8	33.52	7.8	25.6	0.19
F36	10 Aug 2016	84	11.05	87.89	4.8	33.52	7.8	25.6	0.21
F36	10 Aug 2016	85	11.05	87.63	4.8	33.52	7.8	25.6	0.20
F36	10 Aug 2016	86	11.06	87.42	4.8	33.52	7.8	25.6	0.20
F36	10 Aug 2016	87	11.03	86.78	4.6	33.52	7.8	25.6	0.22
F36	10 Aug 2016	88	10.88	85.49	4.5	33.55	7.8	25.7	0.19
F36	10 Aug 2016	89	10.82	84.66	4.4	33.56	7.8	25.7	0.19
F36	10 Aug 2016	90	10.78	84.82	4.4	33.57	7.8	25.7	0.18
F36	10 Aug 2016	91	10.76	85.29	4.4	33.57	7.8	25.7	0.16
F36	10 Aug 2016	92	10.76	85.69	4.4	33.57	7.8	25.7	0.16
F36	10 Aug 2016	93	10.74	86.01	4.4	33.57	7.8	25.7	0.16
F36	10 Aug 2016	94	10.70	86.57	4.4	33.58	7.8	25.7	0.16
F36	10 Aug 2016	95	10.69	86.82	4.4	33.58	7.8	25.7	0.16
F36	10 Aug 2016	96	10.64	86.99	4.4	33.59	7.8	25.7	0.15
F36	10 Aug 2016	97	10.61	87.24	4.4	33.59	7.8	25.8	0.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
F36	10 Aug 2016	98	10.55	87.00	4.3	33.62	7.8	25.8	0.13
F36	10 Aug 2016	99	10.46	86.39	4.2	33.65	7.8	25.8	0.12

NA = not available

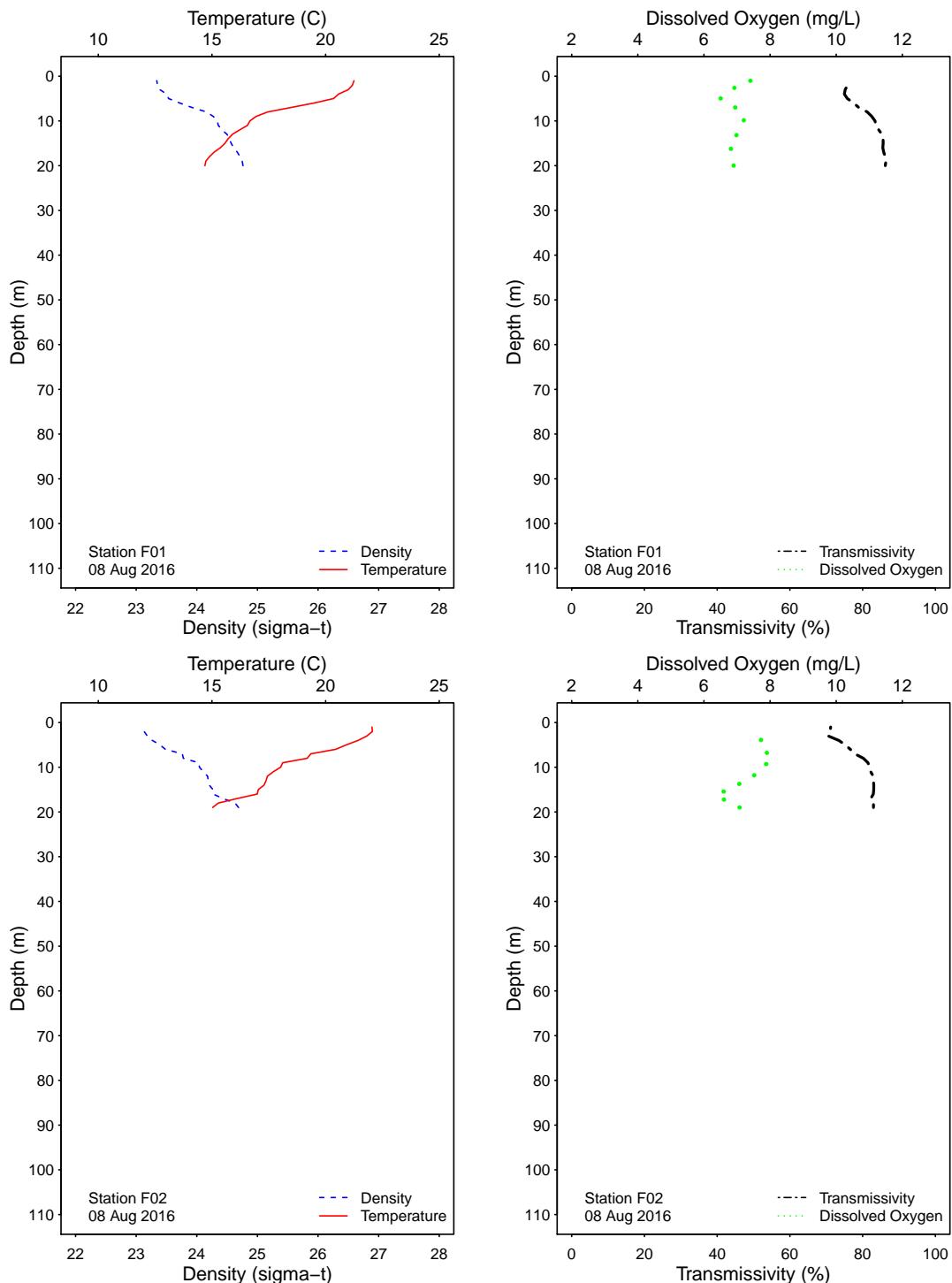


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

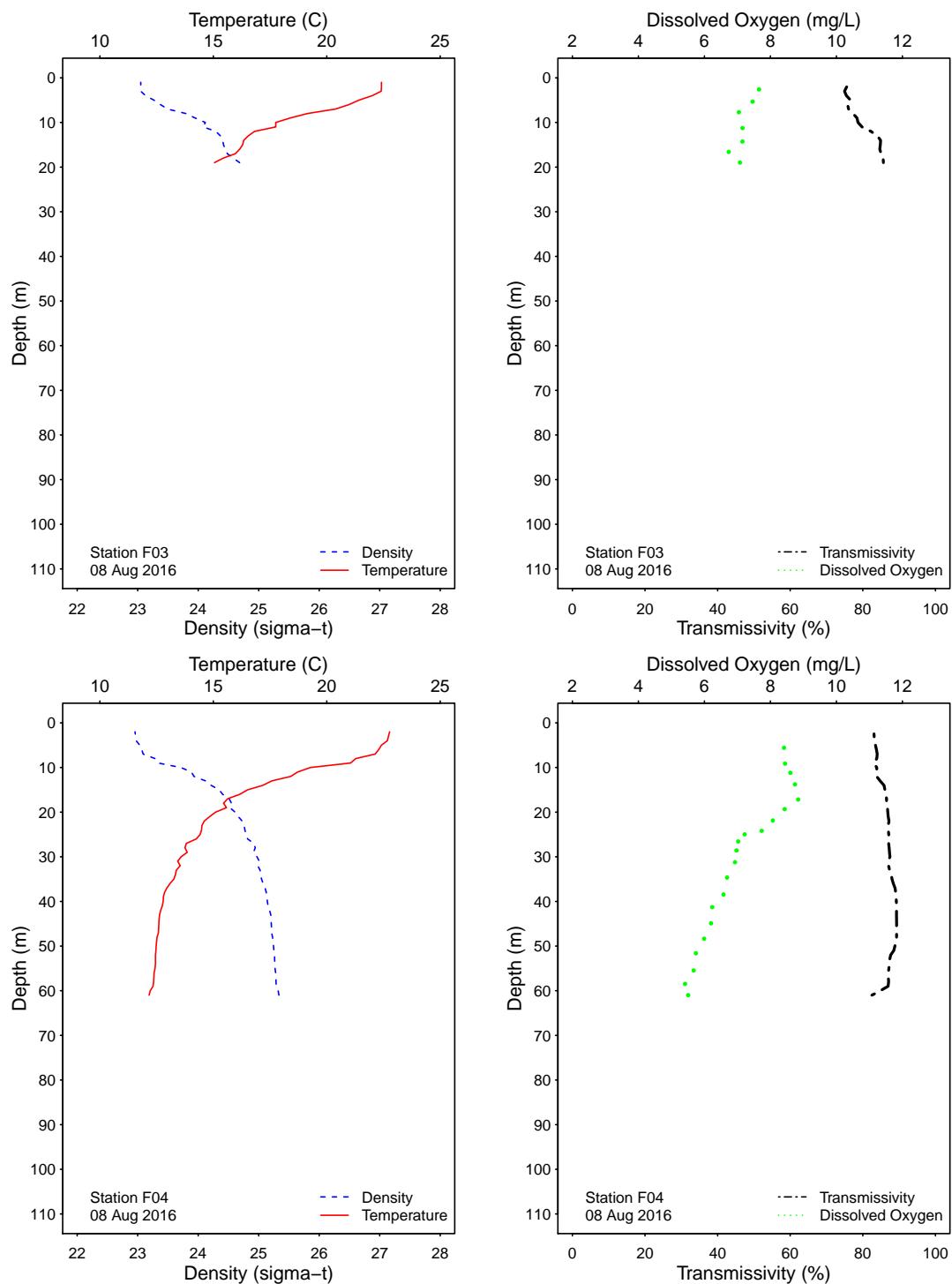


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

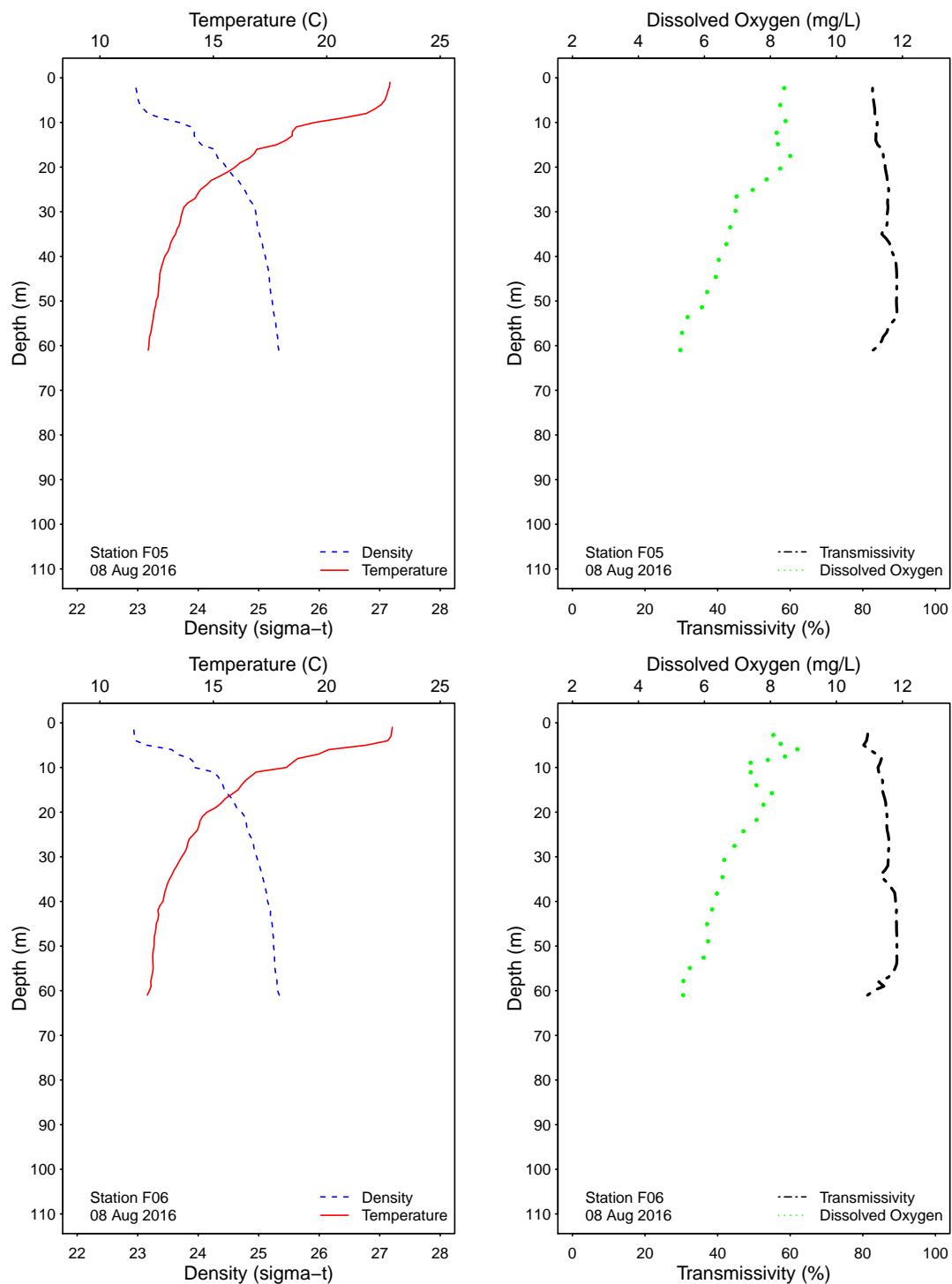


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

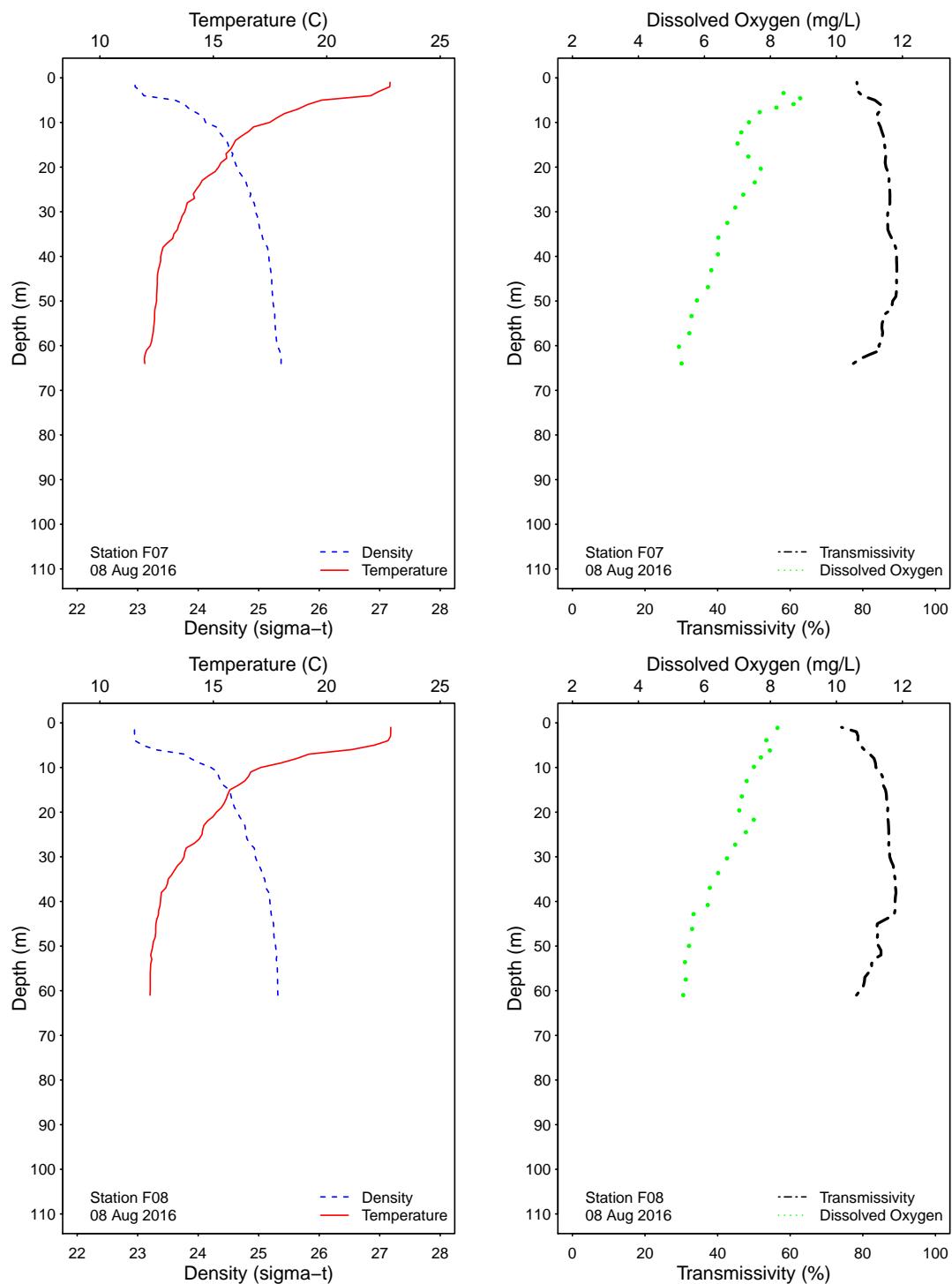


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

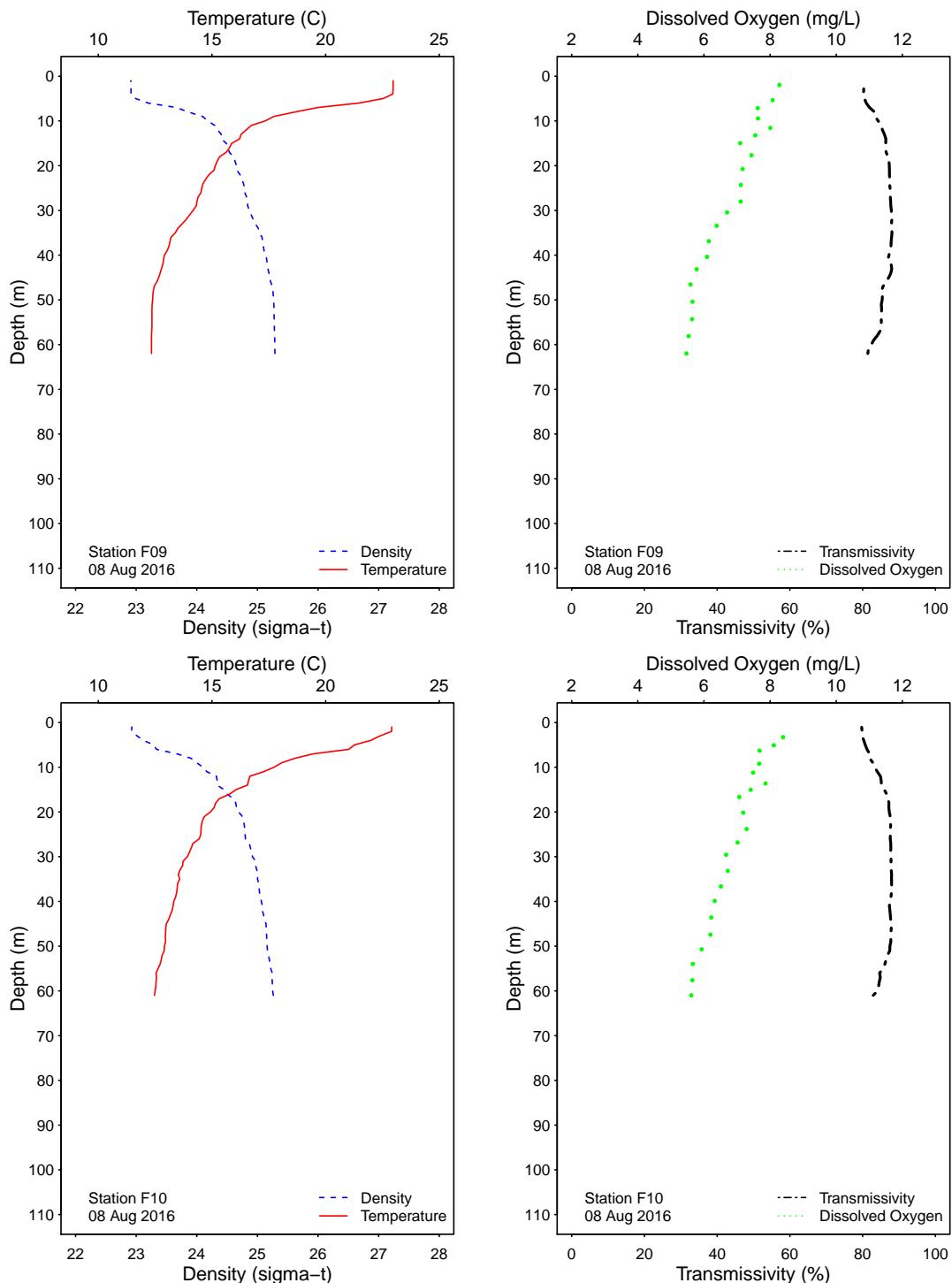


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

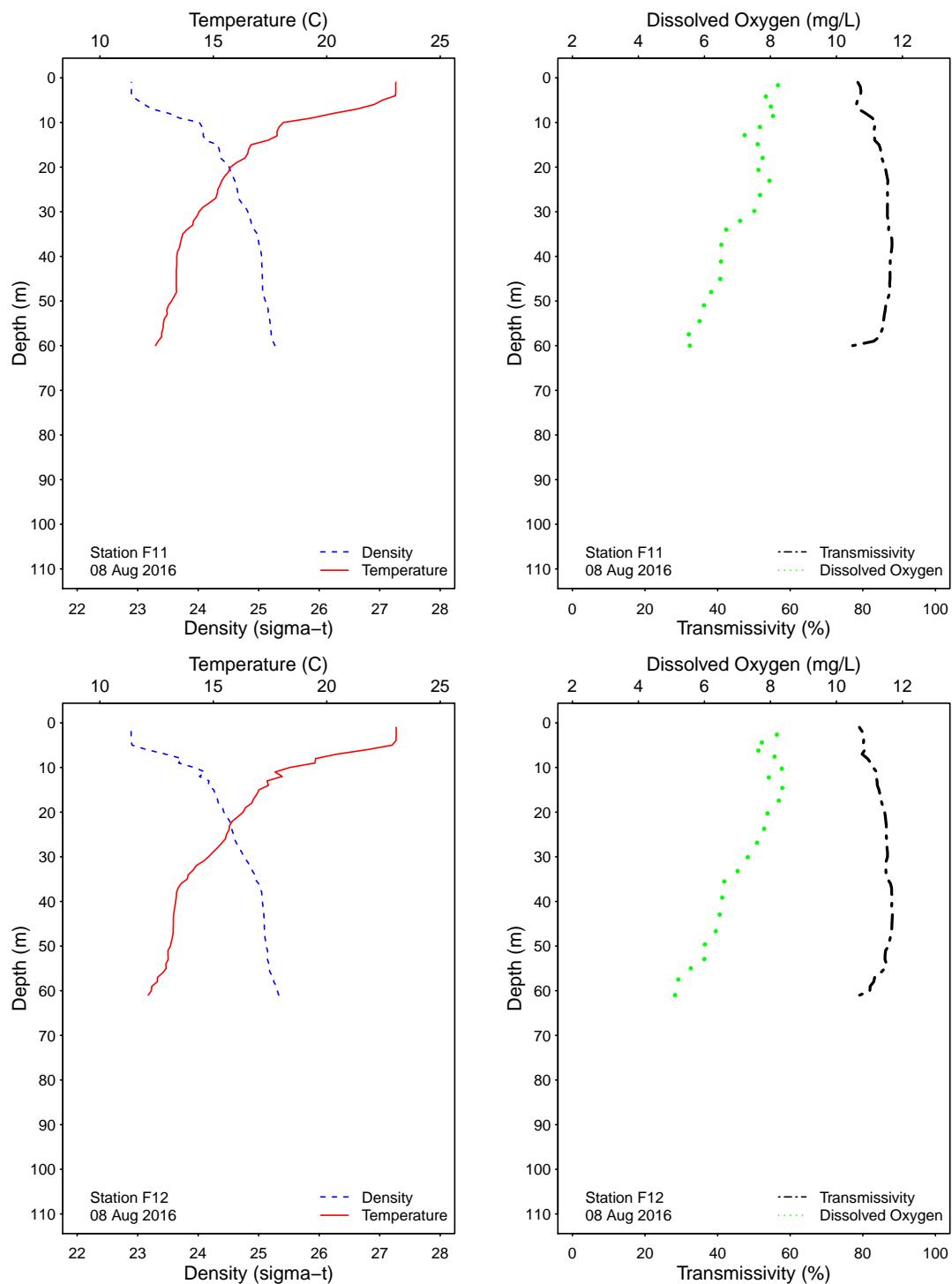


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

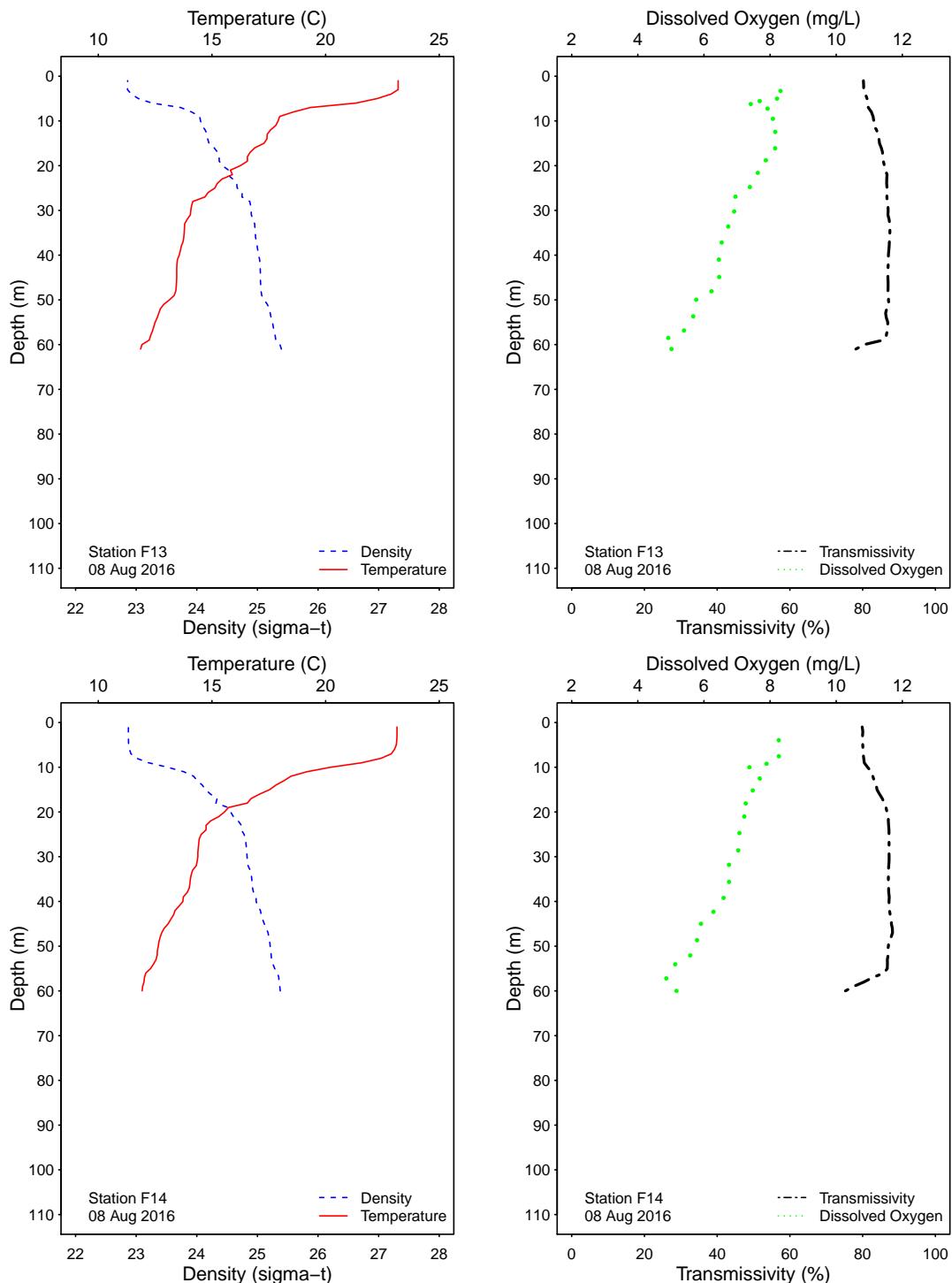


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

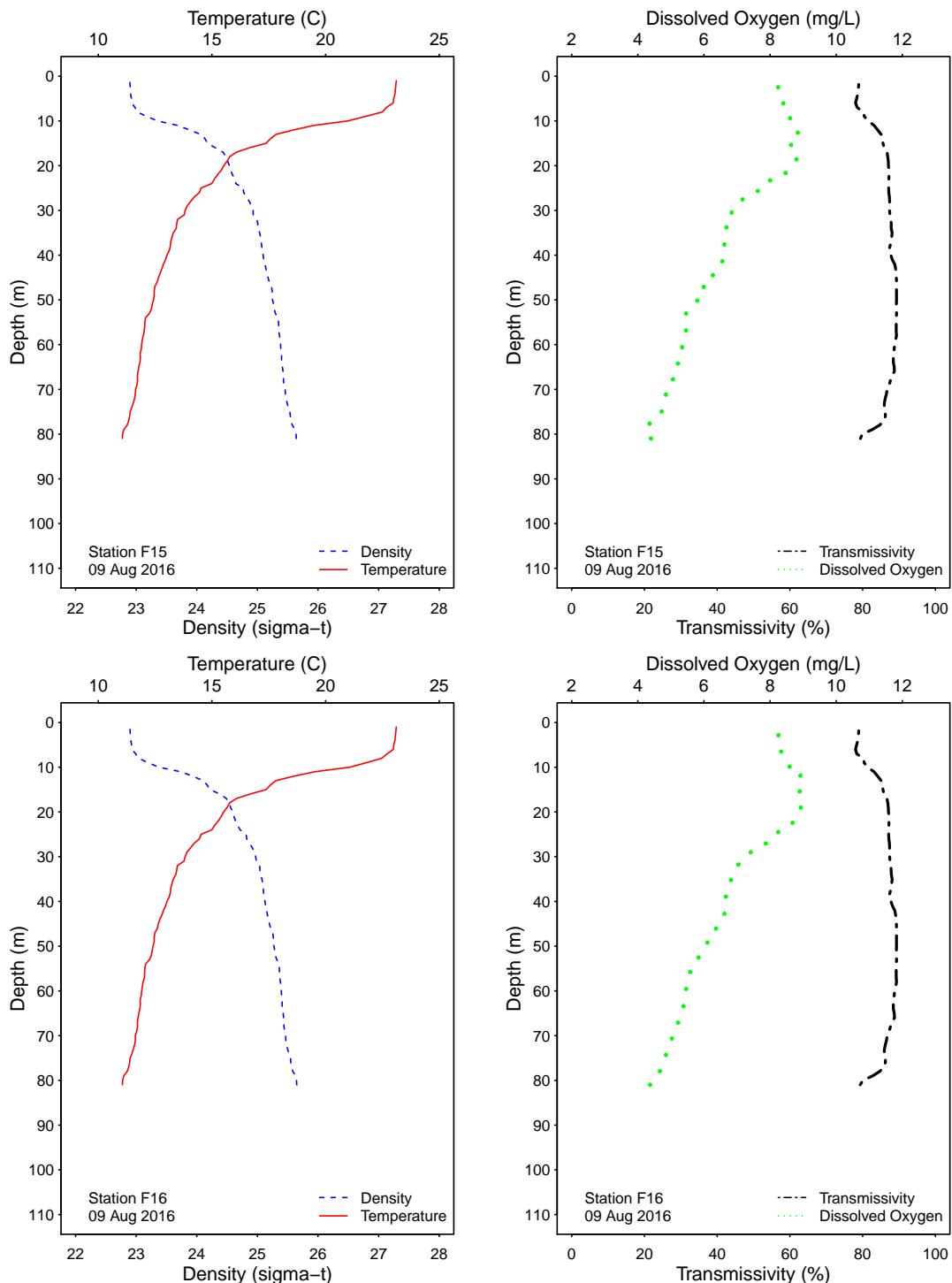


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

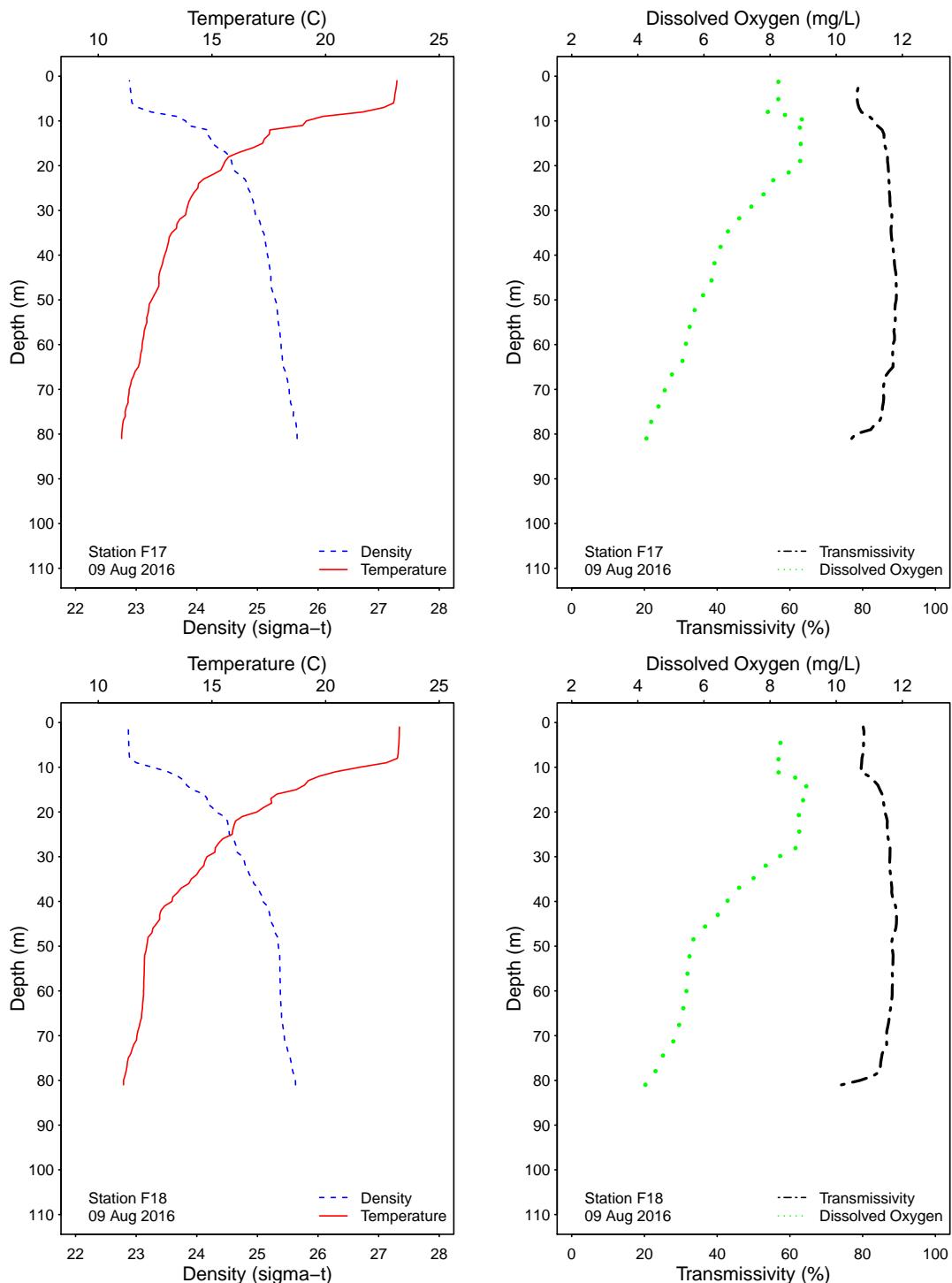


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

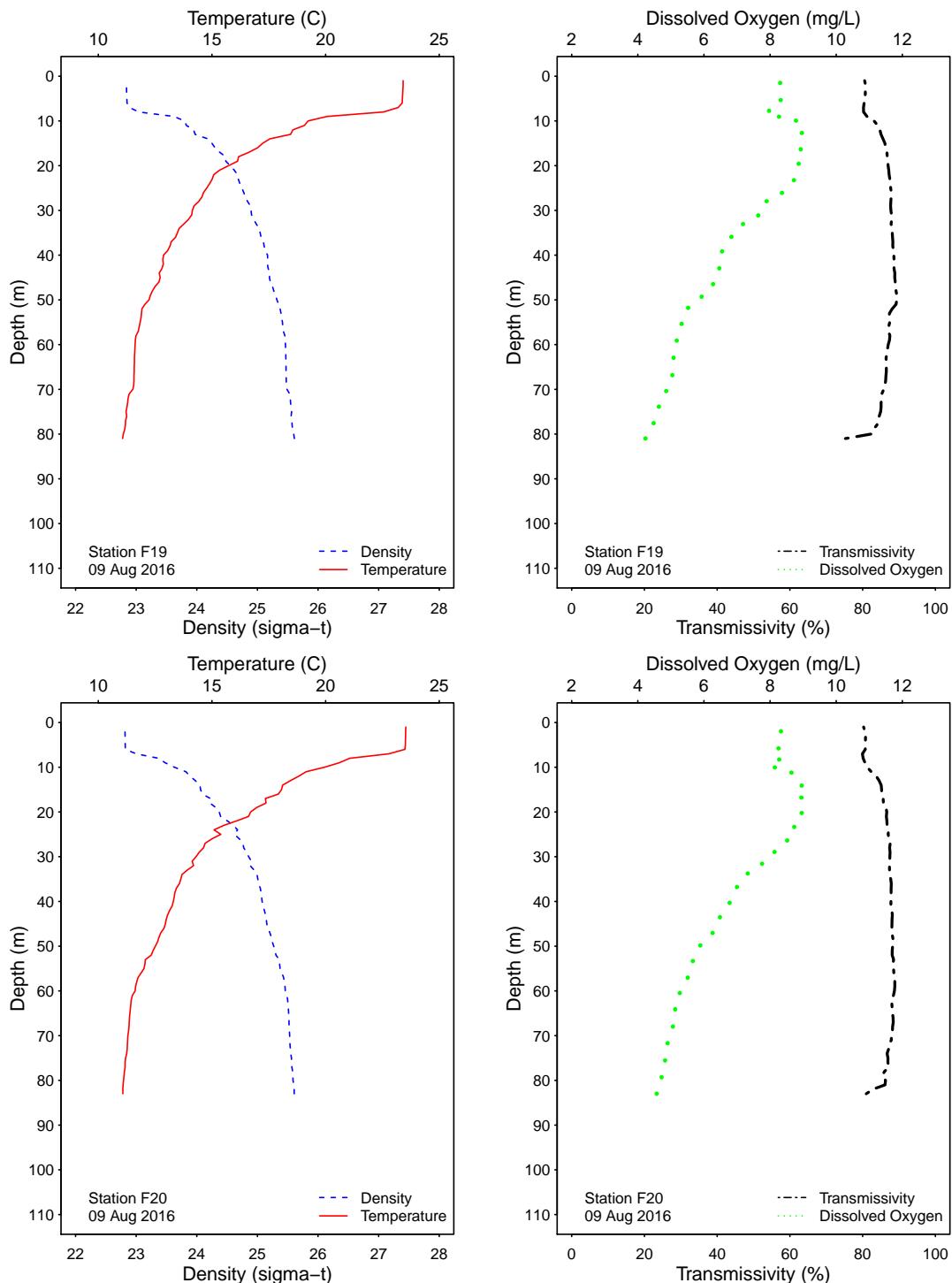


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

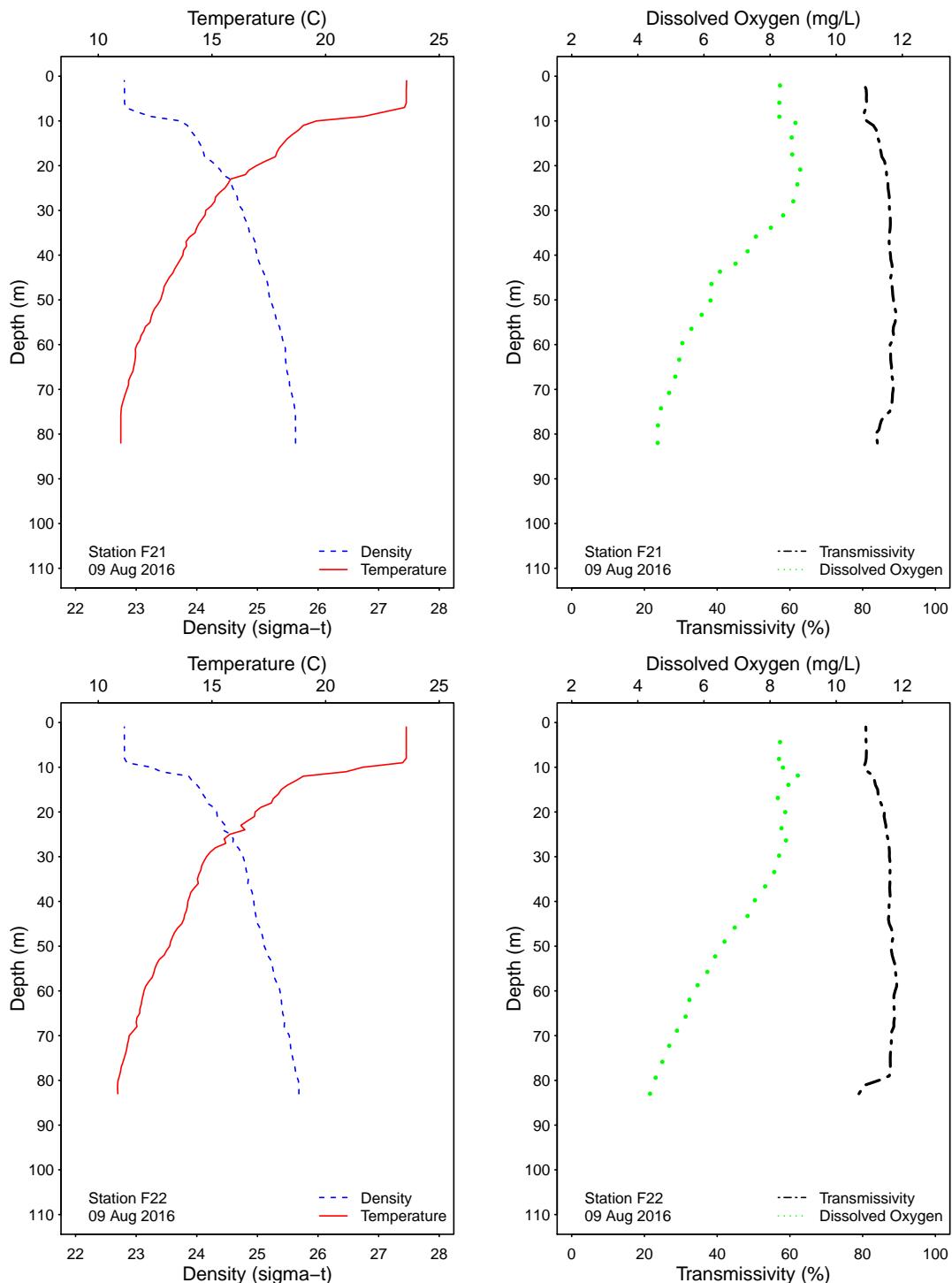


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

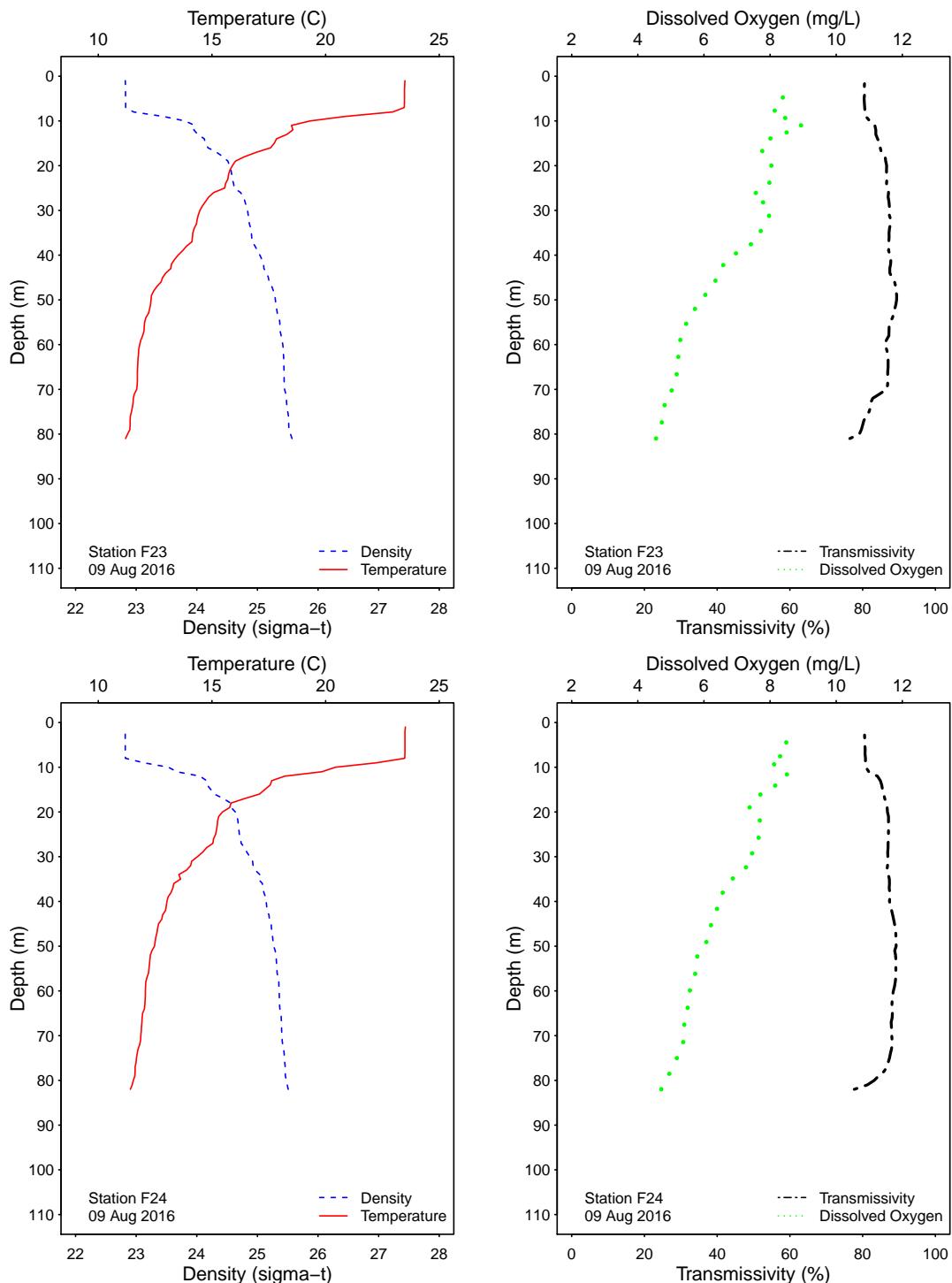


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

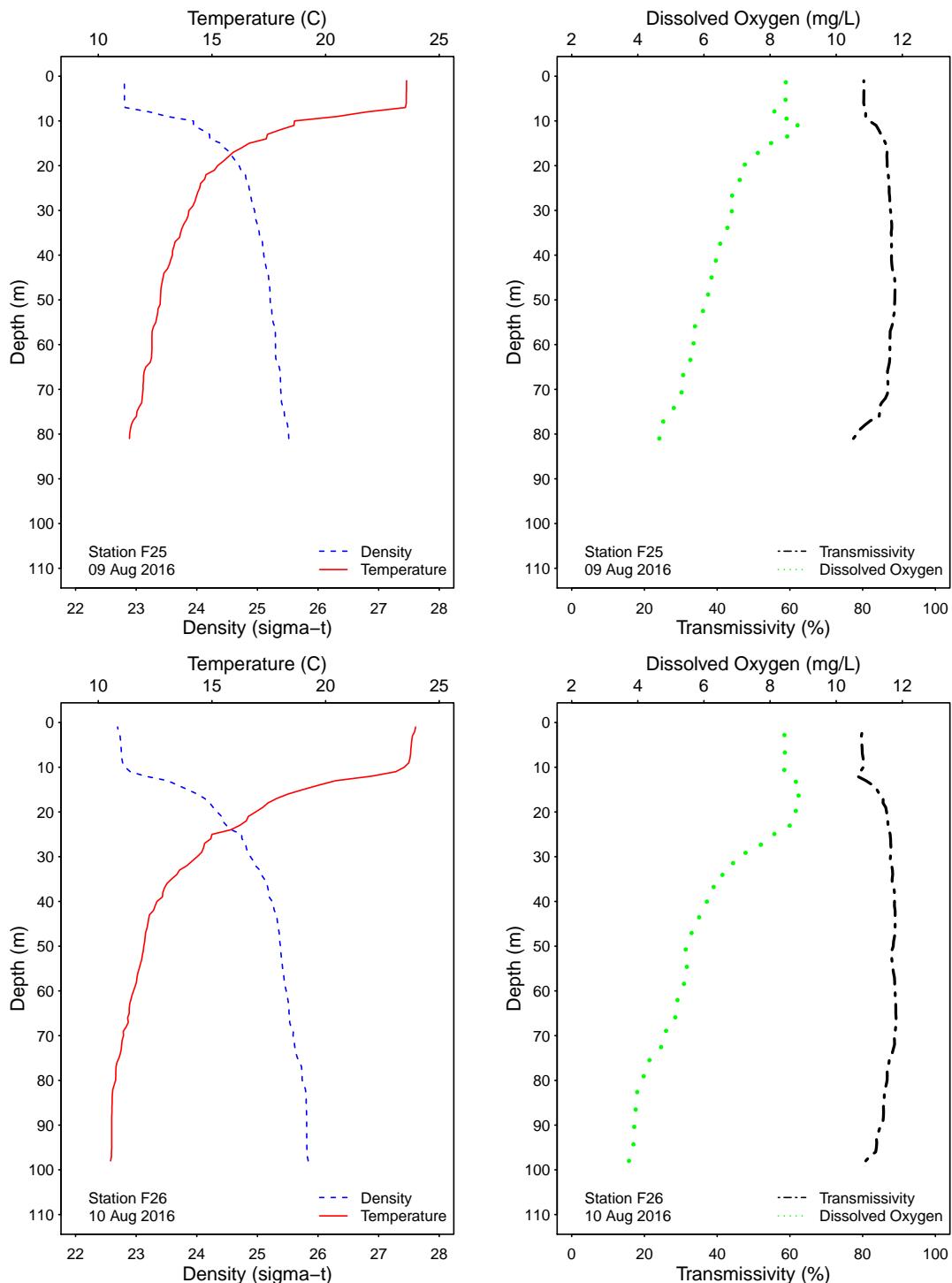


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

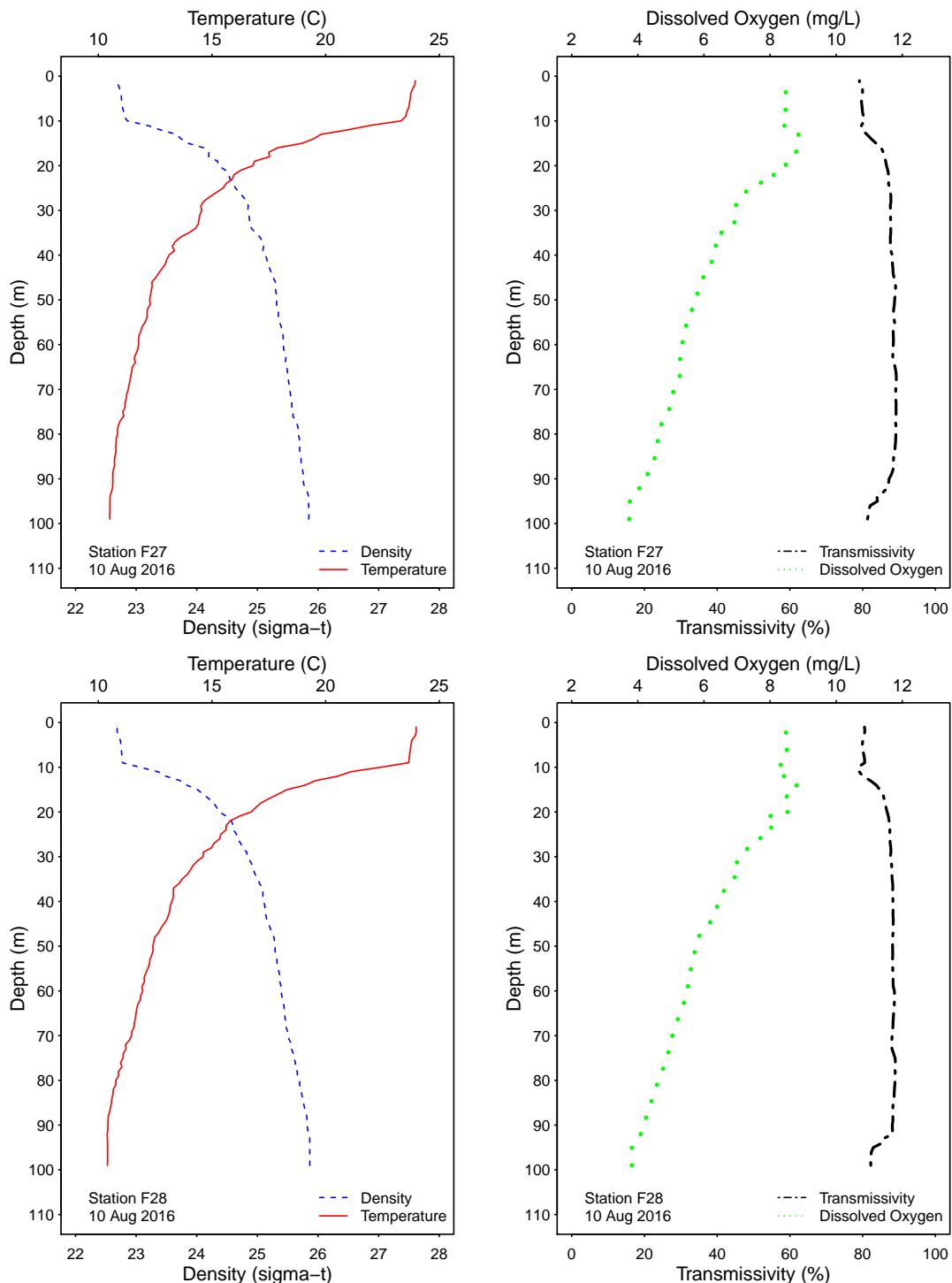


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

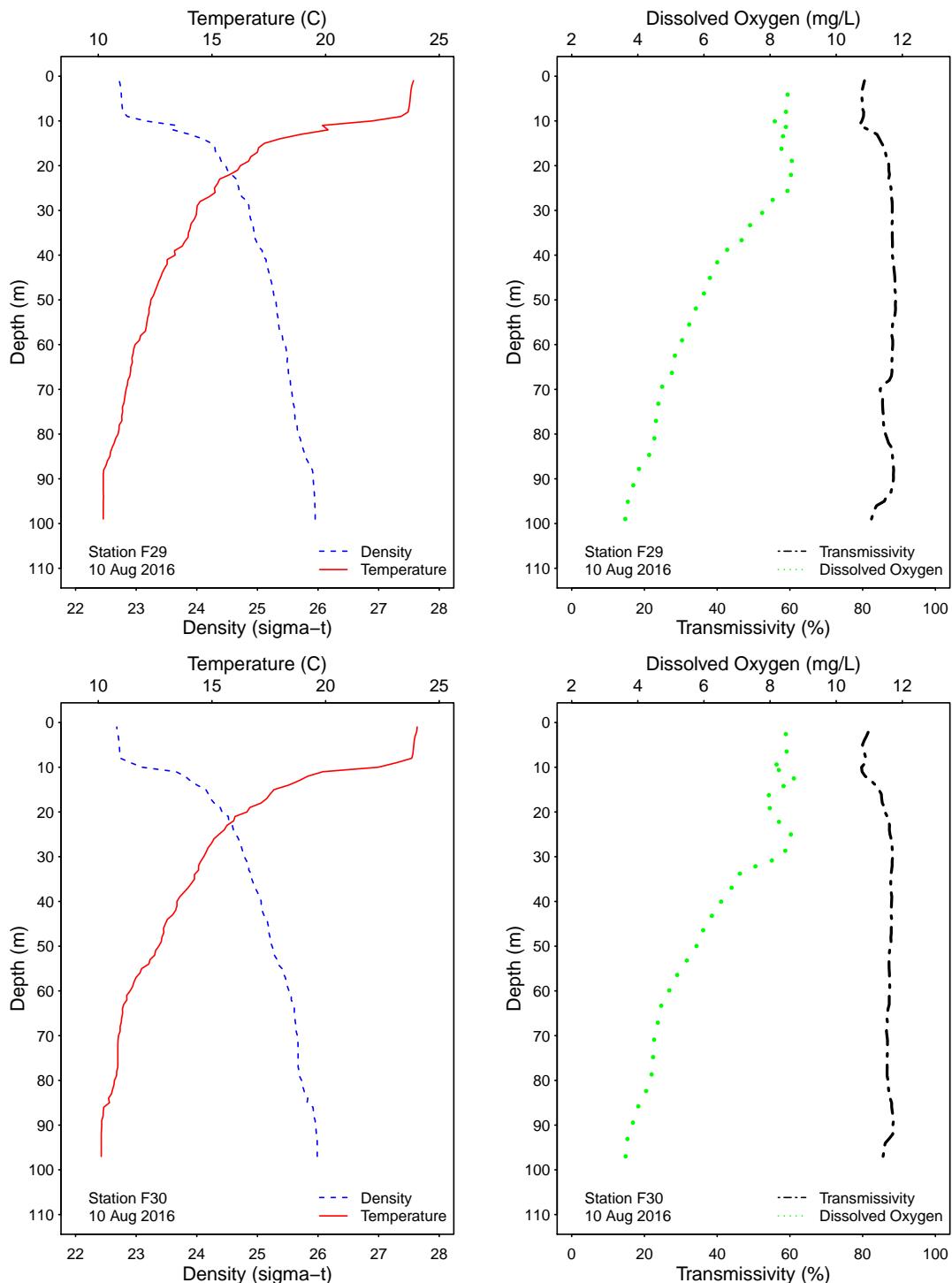


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

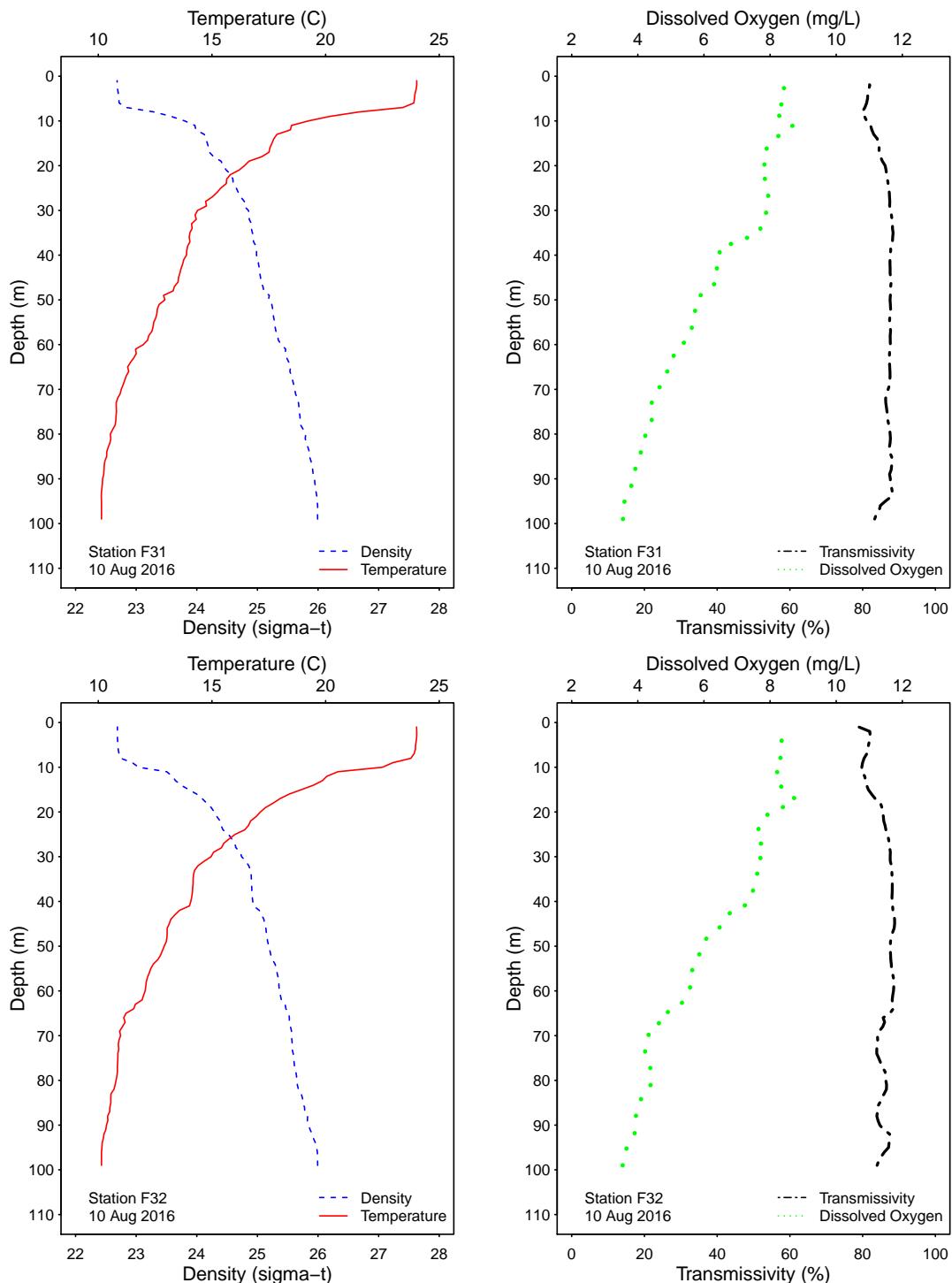


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

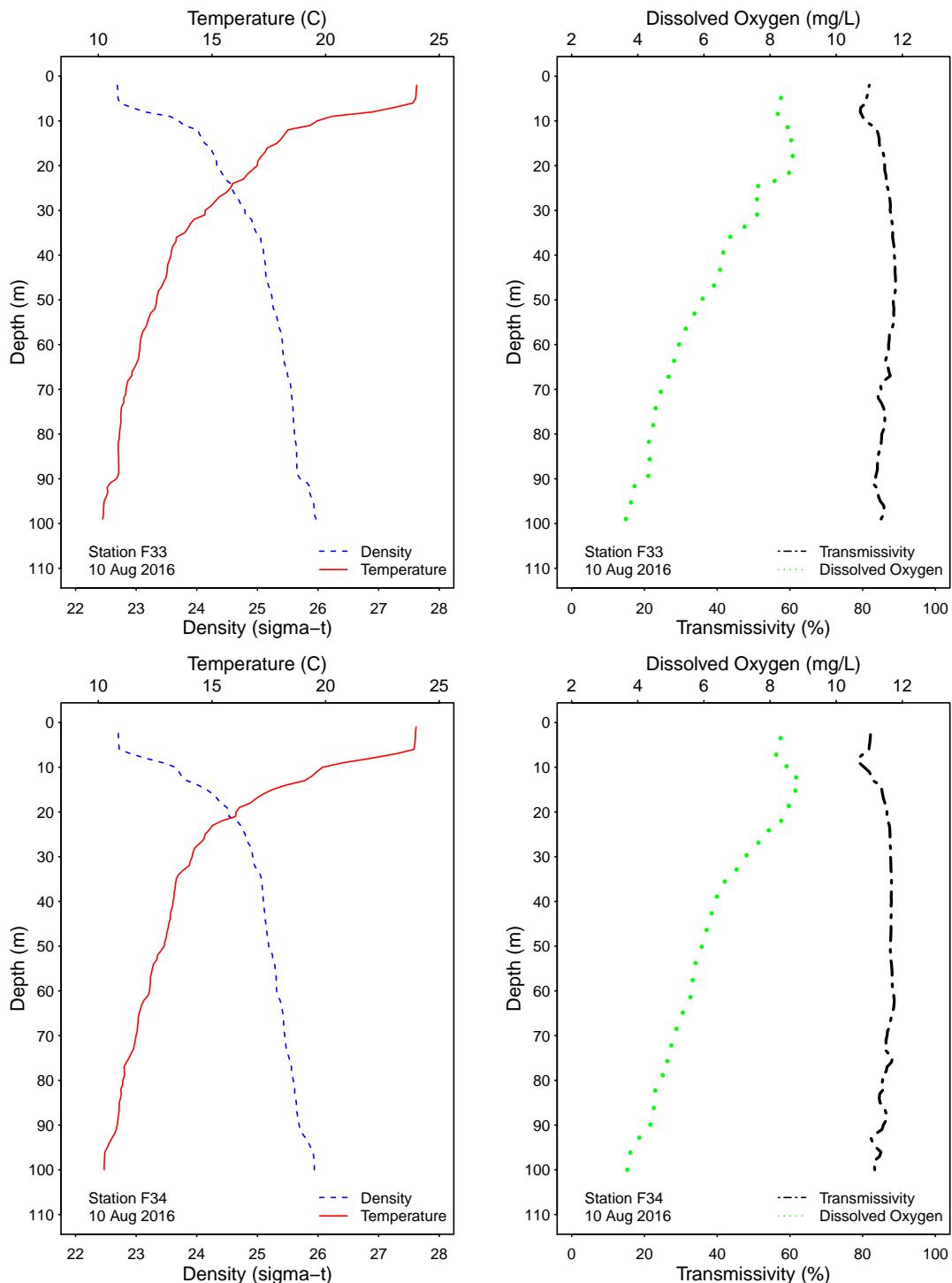


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

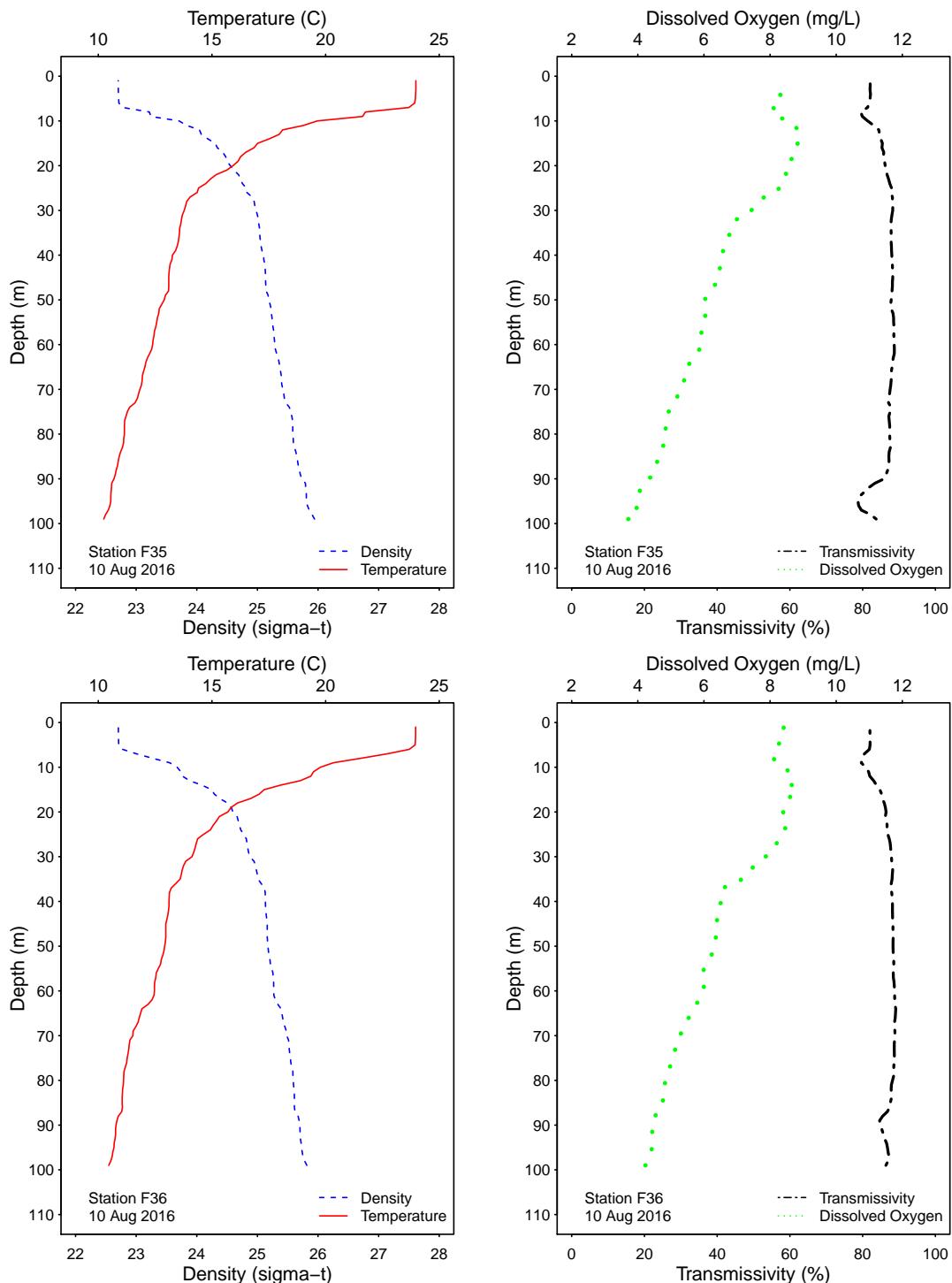


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	01 Aug 2016	18	JT	LAB DUPLICATE	<2	<2	<2
A7	11 Aug 2016	18	SR	LAB DUPLICATE	<2	ns	ns
A7	11 Aug 2016	18	ZV	LAB DUPLICATE	ns	<2	<2
A7	24 Aug 2016	18	SR	LAB DUPLICATE	4e	<2	<2
A7	27 Aug 2016	18	LMA	LAB DUPLICATE	<2	<2	<2
A7	30 Aug 2016	18	LMA	LAB DUPLICATE	ns	ns	ns
C7	01 Aug 2016	18	JT	LAB DUPLICATE	<2	<2	<2
C7	11 Aug 2016	18	SR	LAB DUPLICATE	<2	ns	ns
C7	11 Aug 2016	18	ZV	LAB DUPLICATE	ns	2e	<2
C7	24 Aug 2016	18	ZV	LAB DUPLICATE	2e	<2	<2
C7	27 Aug 2016	18	LMA	LAB DUPLICATE	2e	<2	<2
C7	30 Aug 2016	18	LMA	LAB DUPLICATE	ns	ns	ns
C8	01 Aug 2016	12	JT	LAB DUPLICATE	4e	<2	4e
C8	11 Aug 2016	12	SR	LAB DUPLICATE	<2	ns	ns
C8	11 Aug 2016	12	ZV	LAB DUPLICATE	ns	<2	<2
C8	24 Aug 2016	12	ZV	LAB DUPLICATE	<2	<2	<2
C8	27 Aug 2016	12	LMA	LAB DUPLICATE	2e	<2	<2
C8	30 Aug 2016	12	LMA	LAB DUPLICATE	ns	<2	ns
C8	30 Aug 2016	12	LO	LAB DUPLICATE	<2	ns	<2
D8-A	20 Aug 2016		LMA	FIELD DUPLICATE	<20	4e	8e
D8-A	20 Aug 2016		LMA	LAB DUPLICATE	20e	6e	12e
D12	02 Aug 2016		LMA	FIELD DUPLICATE	<20	<2	2e
D12	02 Aug 2016		LMA	LAB DUPLICATE	20e	<2	<2
D12	08 Aug 2016		AR	FIELD DUPLICATE	<20	<2	<2
D12	08 Aug 2016		AR	LAB DUPLICATE	<20	<2	<2
D12	14 Aug 2016		AR	FIELD DUPLICATE	<20	<2	40
D12	14 Aug 2016		AR	LAB DUPLICATE	<20	<2	36e
D12	26 Aug 2016		LO	FIELD DUPLICATE	<20	<2	<2
D12	26 Aug 2016		LO	LAB DUPLICATE	<20	<2	<2
F01	08 Aug 2016	12	AR	LAB DUPLICATE	ns	ns	<2
F02	08 Aug 2016	12	AR	LAB DUPLICATE	ns	ns	<2
F07	08 Aug 2016	60	AR	LAB DUPLICATE	ns	ns	6e
F08	08 Aug 2016	60	AR	LAB DUPLICATE	ns	ns	10e
F11	08 Aug 2016	60	AR	LAB DUPLICATE	ns	ns	<2
F17	09 Aug 2016	80	LMA	LAB DUPLICATE	ns	ns	14e
F18	09 Aug 2016	60	LMA	LAB DUPLICATE	ns	ns	10e
F19	09 Aug 2016	60	LMA	LAB DUPLICATE	ns	ns	2e
F20	09 Aug 2016	60	LMA	LAB DUPLICATE	ns	ns	14e
F21	09 Aug 2016	80	LMA	LAB DUPLICATE	ns	ns	8e
F28	10 Aug 2016	60	ZV	LAB DUPLICATE	ns	ns	<2
F29	10 Aug 2016	60	ZV	LAB DUPLICATE	ns	ns	6e
F30	10 Aug 2016	60	SR	LAB DUPLICATE	ns	ns	2e
F31	10 Aug 2016	80	SR	LAB DUPLICATE	ns	ns	8e
F32	10 Aug 2016	80	ZV	LAB DUPLICATE	ns	ns	1100
F34	10 Aug 2016	60	ZV	LAB DUPLICATE	ns	ns	4e

ns = not sampled

ND = no data

