



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

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

## **MAY 2016**

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





THE CITY OF SAN DIEGO

June 30, 2016

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

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

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

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

Sincerely,

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

TDS/ger

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

**Environmental Monitoring and Technical Services Division • Public Utilities**

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## INTRODUCTION

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

## MATERIALS AND METHODS

### *Shore Stations*

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

### *Kelp Bed Stations*

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

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

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

and tabular form. Additionally, data for depths closest to those where bacteriological samples are collected are extracted from the CTD profiles and presented with the bacteriological data.

### ***Offshore Stations***

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

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

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

### ***Bacteriological Reporting and Quality Assurance***

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

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

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

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

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



### 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 May 2016, all of the eight shore stations were in compliance with various water-contact standards specified in the Ocean Plan.
- Although each of the 8 shore stations are normally sampled 5 times during the month, samples were not taken at station D8 on May 21 and 28 due to construction that prevented access.
- 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 May (i.e. May 5, 12, 16, 22, 31).
- During May, all of the kelp bed stations were in compliance with various water-contact standard specified in the Ocean Plan.
- Water column temperatures ranged from 10.95 to 18.61°C during the month. The difference between surface and bottom waters ranged from 0.13 to 6.21°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.34 to 14.69 µg/L during May, suggesting the presence of phytoplankton blooms during the month.

- Ammonia (as nitrogen) values ranged from 0.01 to 0.02 mg/L at the kelp bed stations during the month.
- There were no notable visual observations for May.

### ***Offshore Stations***

- Quarterly offshore water quality sampling was conducted on May 2, 3, and 4.
- During May, 4 of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*:
  - o The single sample maximum (SSM) standard for *Enterococcus* was exceeded at stations F06, F18, F19, and F20 at one or more depths on May 3 or 4.
- All but 9 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F05, F15, F16, F17, F26, F27, F28, F29, and F30, which exceeded the single sample maximum for *Enterococcus* at one or more depths on May 2, 3 or 4.
- During May, water column temperatures ranged from 9.73 to 18.61°C. The difference between surface and bottom waters ranged from 0.01 to 8.31°C, indicating that the water column was stratified during the month.
- Chlorophyll *a* concentrations ranged from 0.15 to 10.22 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Ammonia (as nitrogen) values at the 15 stations located in State waters ranged from 0.01 to 0.02 mg/L at the offshore stations during the month.
- Nothing of sewage origin was observed at any of the offshore stations.



# TABLES AND FIGURES



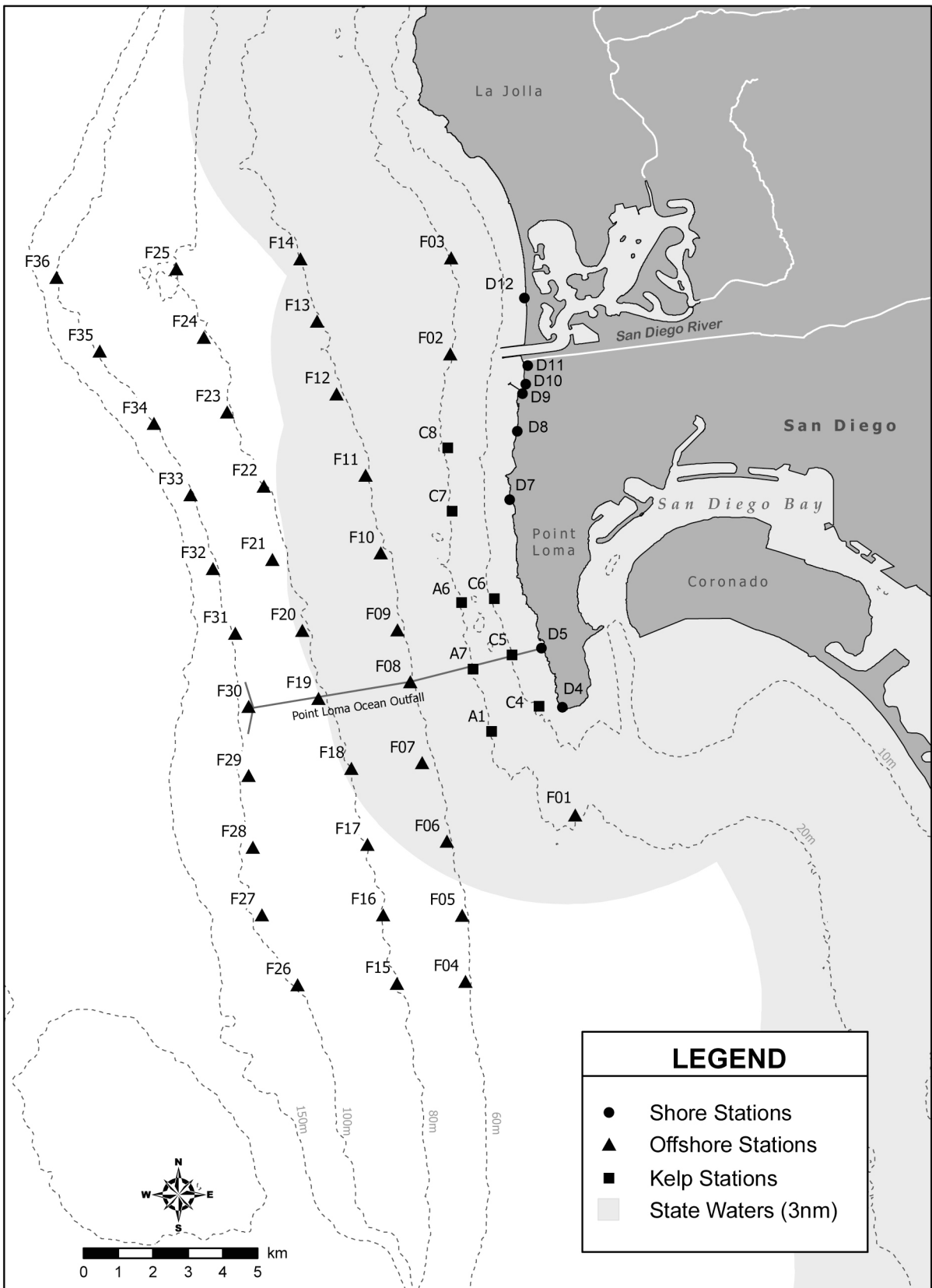


Figure 1.1 Station Map



# Shore Stations





**Table 2.1**

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
01 May 2016	4	4	5	20	20	17	22	3
02 May 2016	4	4	5	20	20	17	22	3
03 May 2016	4	4	5	20	25	20	9	3
04 May 2016	4	4	5	20	25	20	9	3
05 May 2016	4	4	5	20	25	20	9	3
06 May 2016	4	4	5	20	25	20	9	3
07 May 2016	4	4	5	20	25	20	9	3
08 May 2016	4	4	5	20	25	20	9	3
09 May 2016	4	5	3	20	16	23	9	3
10 May 2016	4	5	3	20	16	23	9	3
11 May 2016	4	5	3	20	16	23	9	3
12 May 2016	4	5	3	20	16	23	9	3
13 May 2016	4	5	3	20	16	23	9	3
14 May 2016	4	5	3	20	16	23	9	3
15 May 2016	2	5	3	20	13	23	14	2
16 May 2016	2	5	3	20	13	23	14	2
17 May 2016	2	5	3	20	13	23	14	2
18 May 2016	2	5	3	20	13	23	14	2
19 May 2016	2	5	3	20	13	23	14	2
20 May 2016	2	5	3	20	13	23	14	2
21 May 2016	3	11	3	20	8	23	31	2
22 May 2016	3	11	3	20	8	23	31	2
23 May 2016	3	11	3	20	8	23	31	2
24 May 2016	3	11	3	20	8	23	31	2
25 May 2016	3	11	3	20	8	23	31	2
26 May 2016	3	11	3	20	8	23	31	2
27 May 2016	3	12	3	20	5	22	17	2
28 May 2016	3	12	3	20	5	22	17	2
29 May 2016	3	12	3	20	5	22	17	2
30 May 2016	3	12	3	20	5	22	17	2
31 May 2016	3	12	3	20	5	22	17	2

\* Geometric mean calculated using n<5

**Table 2.2**

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

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

\* Geometric mean calculated using n<5

**Table 2.3**

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
01 May 2016	2	2	2	3	2	4	18	2
02 May 2016	2	2	2	3	2	4	18	2
03 May 2016	2	2	2	3	2	4	7	2
04 May 2016	2	2	2	3	2	4	7	2
05 May 2016	2	2	2	3	2	4	9	2
06 May 2016	2	2	2	3	2	4	9	2
07 May 2016	2	2	2	3	2	4	9	2
08 May 2016	2	2	2	3	2	4	9	2
09 May 2016	3	3	2	2	2	3	7	2
10 May 2016	3	3	2	2	2	3	7	2
11 May 2016	3	3	2	2	2	3	7	2
12 May 2016	3	3	2	2	2	3	7	2
13 May 2016	3	3	2	2	2	3	7	2
14 May 2016	3	3	2	2	2	3	7	2
15 May 2016	3	3	2	2	2	3	7	2
16 May 2016	3	3	2	2	2	3	7	2
17 May 2016	3	3	2	2	2	3	7	2
18 May 2016	3	3	2	2	2	3	7	2
19 May 2016	3	3	2	2	2	3	7	2
20 May 2016	3	3	2	2	2	3	7	2
21 May 2016	4	3	2	2	2	3	6	2
22 May 2016	4	3	2	2	2	3	6	2
23 May 2016	4	3	2	2	2	3	6	2
24 May 2016	4	3	2	2	2	3	6	2
25 May 2016	4	3	2	2	2	3	6	2
26 May 2016	4	3	2	2	2	3	6	2
27 May 2016	4	3	2	2	2	3	4	2
28 May 2016	4	3	2	2	2	3	4	2
29 May 2016	4	3	2	2	2	3	4	2
30 May 2016	4	3	2	2	2	3	4	2
31 May 2016	4	3	2	2	2	3	4	2

\* 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.

<b>Date</b>	<b>D4</b>	<b>D5</b>	<b>D7</b>	<b>D8</b>	<b>D9</b>	<b>D10</b>	<b>D11</b>	<b>D12</b>
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2016	IC	IC	IC	ns	IC	IC	IC	IC
27 May 2016	IC	IC	IC	ns	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.

<b>Date</b>	<b>D4</b>	<b>D5</b>	<b>D7</b>	<b>D8</b>	<b>D9</b>	<b>D10</b>	<b>D11</b>	<b>D12</b>
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2016	IC	IC	IC	ns	IC	IC	IC	IC
27 May 2016	IC	IC	IC	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

**Table 2.6**

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2016	IC	IC	IC	ns	IC	IC	IC	IC
27 May 2016	IC	IC	IC	ns	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.

<b>Date</b>	<b>D4</b>	<b>D5</b>	<b>D7</b>	<b>D8</b>	<b>D9</b>	<b>D10</b>	<b>D11</b>	<b>D12</b>
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
09 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2016	IC	IC	IC	ns	IC	IC	IC	IC
27 May 2016	IC	IC	IC	ns	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* (Entero) 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	Entero	F:T
D4	03 May 2016	1026	<2	<2	<2	1.00
D4	09 May 2016	1015	2e	<2	26e	1.00
D4	15 May 2016	1155	<2	<2	<2	1.00
D4	21 May 2016	908	18e	2e	4e	0.11
D4	27 May 2016	856	2e	<2	<2	1.00
D5	03 May 2016	1045	<2	<2	<2	1.00
D5	09 May 2016	955	20e	<2	22e	0.10
D5	15 May 2016	1212	2e	<2	<2	1.00
D5	21 May 2016	854	80e	<2	<2	0.02
D5	27 May 2016	830	40e	<2	<2	0.05
D7	03 May 2016	957	<2	<2	<2	1.00
D7	09 May 2016	1040	4e	<2	4e	0.50
D7	15 May 2016	1128	<2	2e	<2	1.00
D7	21 May 2016	942	6e	<2	<2	0.33
D7	27 May 2016	922	<2	<2	<2	1.00
D8	03 May 2016	941	20e	<2	<2	0.10
D8	09 May 2016	1100	<20	<2	2e	0.10
D8	15 May 2016	1116	<20	<2	<2	0.10
D8	21 May 2016	950	ns	ns	ns	ns
D8	27 May 2016	933	ns	ns	ns	ns
D9	03 May 2016	925	<20	2e	<2	0.10
D9	09 May 2016	1115	<20	<2	<2	0.10
D9	15 May 2016	1101	2e	<2	<2	1.00
D9	21 May 2016	1003	2e	<2	<2	1.00
D9	27 May 2016	1130	2e	<2	2e	1.00
D10	03 May 2016	912	<20	<2	2e	0.10
D10	09 May 2016	1130	40e	<2	4e	0.05
D10	15 May 2016	1047	<20	<2	2e	0.10
D10	21 May 2016	1016	20e	<2	<2	0.10
D10	27 May 2016	1117	16e	8e	4e	0.50
D11	03 May 2016	858	2e	<2	<2	1.00
D11	09 May 2016	1150	20e	<2	<2	0.10
D11	15 May 2016	1037	160e	6e	24e	0.04
D11	21 May 2016	1031	120e	<2	<2	0.02
D11	27 May 2016	1107	2e	4e	4e	2.00
D12	03 May 2016	843	<2	<2	<2	1.00
D12	09 May 2016	1210	<2	<2	2e	1.00
D12	15 May 2016	1019	<2	<2	<2	1.00
D12	21 May 2016	1100	<2	<2	<2	1.00
D12	27 May 2016	1049	<2	<2	<2	1.00

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	03 May 2016	Arrive Time	1026
D4	03 May 2016	Weather	Partly Cloudy
D4	03 May 2016	Wind Speed (kts)	4
D4	03 May 2016	Wind Dir	W
D4	03 May 2016	Animal Life	None
D4	03 May 2016	Floatables	None
D4	03 May 2016	Water Color	Green
D4	03 May 2016	Current Direction	W
D4	03 May 2016	Wave Height Low (ft)	2
D4	03 May 2016	High Tide (ft)	4.6
D4	03 May 2016	High Tide Time	706
D4	03 May 2016	Low Tide (ft)	0
D4	03 May 2016	Low Tide Time	1322
D4	03 May 2016	Comments	Kelp; Seagrass; Water turbid; Carcass of sea lion pup
D4	09 May 2016	Arrive Time	1015
D4	09 May 2016	Weather	Cloudy
D4	09 May 2016	Wind Speed (kts)	3.3
D4	09 May 2016	Wind Dir	N
D4	09 May 2016	Animal Life	None
D4	09 May 2016	Floatables	None
D4	09 May 2016	Water Color	Green
D4	09 May 2016	Current Direction	N
D4	09 May 2016	Wave Height Low (ft)	3
D4	09 May 2016	High Tide (ft)	3.9
D4	09 May 2016	High Tide Time	1227
D4	09 May 2016	Low Tide (ft)	-1.1
D4	09 May 2016	Low Tide Time	604
D4	09 May 2016	Comments	Water clear
D4	15 May 2016	Arrive Time	1155
D4	15 May 2016	Weather	Cloudy
D4	15 May 2016	Wind Speed (kts)	7
D4	15 May 2016	Wind Dir	SW
D4	15 May 2016	Animal Life	None
D4	15 May 2016	Floatables	None
D4	15 May 2016	Water Color	Green
D4	15 May 2016	Current Direction	SW
D4	15 May 2016	Wave Height Low (ft)	2
D4	15 May 2016	High Tide (ft)	3.7
D4	15 May 2016	High Tide Time	539
D4	15 May 2016	Low Tide (ft)	0.7
D4	15 May 2016	Low Tide Time	1208
D4	15 May 2016	Comments	Kelp; Seagrass; Water turbid
D4	21 May 2016	Arrive Time	908
D4	21 May 2016	Weather	Sunny
D4	21 May 2016	Wind Speed (kts)	2.1
D4	21 May 2016	Wind Dir	N
D4	21 May 2016	Animal Life	None
D4	21 May 2016	Floatables	None

Station	Date	Parameter	Value
D4	21 May 2016	Water Color	Green
D4	21 May 2016	Current Direction	N
D4	21 May 2016	Wave Height Low (ft)	3
D4	21 May 2016	High Tide (ft)	3.8
D4	21 May 2016	High Tide Time	1000
D4	21 May 2016	Low Tide (ft)	-0.4
D4	21 May 2016	Low Tide Time	355
D4	21 May 2016	Comments	Water clear
D4	27 May 2016	Arrive Time	856
D4	27 May 2016	Weather	Cloudy
D4	27 May 2016	Wind Speed (kts)	3.2
D4	27 May 2016	Wind Dir	W
D4	27 May 2016	Animal Life	2 Shorebirds; 9 Birds; 2 Pelicans
D4	27 May 2016	Floatables	None
D4	27 May 2016	Water Color	Green
D4	27 May 2016	Current Direction	W
D4	27 May 2016	Wave Height Low (ft)	2
D4	27 May 2016	High Tide (ft)	3.5
D4	27 May 2016	High Tide Time	1458
D4	27 May 2016	Low Tide (ft)	0.1
D4	27 May 2016	Low Tide Time	805
D4	27 May 2016	Comments	Kelp; Seagrass; Water clear
D5	03 May 2016	Arrive Time	1045
D5	03 May 2016	Weather	Partly Cloudy
D5	03 May 2016	Wind Speed (kts)	5
D5	03 May 2016	Wind Dir	W
D5	03 May 2016	Animal Life	None
D5	03 May 2016	Floatables	None
D5	03 May 2016	Water Color	Green
D5	03 May 2016	Current Direction	W
D5	03 May 2016	Wave Height Low (ft)	2
D5	03 May 2016	High Tide (ft)	4.6
D5	03 May 2016	High Tide Time	706
D5	03 May 2016	Low Tide (ft)	0
D5	03 May 2016	Low Tide Time	1322
D5	03 May 2016	Comments	Kelp; Seagrass; Water turbid
D5	09 May 2016	Arrive Time	955
D5	09 May 2016	Weather	Drizzle
D5	09 May 2016	Wind Speed (kts)	1.9
D5	09 May 2016	Wind Dir	N
D5	09 May 2016	Animal Life	None
D5	09 May 2016	Floatables	None
D5	09 May 2016	Water Color	Green
D5	09 May 2016	Current Direction	N
D5	09 May 2016	Wave Height Low (ft)	4
D5	09 May 2016	High Tide (ft)	3.9
D5	09 May 2016	High Tide Time	1227
D5	09 May 2016	Low Tide (ft)	-1.1
D5	09 May 2016	Low Tide Time	604
D5	09 May 2016	Comments	Water clear
D5	15 May 2016	Arrive Time	1212

Station	Date	Parameter	Value
D5	15 May 2016	Weather	Cloudy
D5	15 May 2016	Wind Speed (kts)	7
D5	15 May 2016	Wind Dir	SW
D5	15 May 2016	Animal Life	None
D5	15 May 2016	Floatables	None
D5	15 May 2016	Water Color	Green
D5	15 May 2016	Current Direction	SW
D5	15 May 2016	Wave Height Low (ft)	2
D5	15 May 2016	High Tide (ft)	3.7
D5	15 May 2016	High Tide Time	539
D5	15 May 2016	Low Tide (ft)	0.7
D5	15 May 2016	Low Tide Time	1208
D5	15 May 2016	Comments	Kelp; Seagrass; Water turbid
D5	21 May 2016	Arrive Time	854
D5	21 May 2016	Weather	Sunny
D5	21 May 2016	Wind Speed (kts)	1.9
D5	21 May 2016	Wind Dir	N
D5	21 May 2016	Animal Life	None
D5	21 May 2016	Floatables	None
D5	21 May 2016	Water Color	Green
D5	21 May 2016	Current Direction	N
D5	21 May 2016	Wave Height Low (ft)	3
D5	21 May 2016	High Tide (ft)	3.8
D5	21 May 2016	High Tide Time	1000
D5	21 May 2016	Low Tide (ft)	-0.4
D5	21 May 2016	Low Tide Time	355
D5	21 May 2016	Comments	Water clear
D5	27 May 2016	Arrive Time	830
D5	27 May 2016	Weather	Cloudy
D5	27 May 2016	Wind Speed (kts)	2.3
D5	27 May 2016	Wind Dir	NW
D5	27 May 2016	Animal Life	None
D5	27 May 2016	Floatables	None
D5	27 May 2016	Water Color	Green
D5	27 May 2016	Current Direction	NW
D5	27 May 2016	Wave Height Low (ft)	2
D5	27 May 2016	High Tide (ft)	3.5
D5	27 May 2016	High Tide Time	1458
D5	27 May 2016	Low Tide (ft)	0.1
D5	27 May 2016	Low Tide Time	805
D5	27 May 2016	Comments	Kelp; Seagrass; Water clear
D7	03 May 2016	Arrive Time	957
D7	03 May 2016	Weather	Partly Cloudy
D7	03 May 2016	Wind Speed (kts)	4
D7	03 May 2016	Wind Dir	W
D7	03 May 2016	Animal Life	None
D7	03 May 2016	Floatables	None
D7	03 May 2016	Water Color	Green
D7	03 May 2016	Current Direction	W
D7	03 May 2016	Wave Height Low (ft)	2
D7	03 May 2016	High Tide (ft)	4.6
D7	03 May 2016	High Tide Time	706

Station	Date	Parameter	Value
D7	03 May 2016	Low Tide (ft)	0
D7	03 May 2016	Low Tide Time	1322
D7	03 May 2016	Comments	Kelp; Seagrass; 1 Surfer; Water clear
D7	09 May 2016	Arrive Time	1040
D7	09 May 2016	Weather	Cloudy
D7	09 May 2016	Wind Speed (kts)	5.8
D7	09 May 2016	Wind Dir	N
D7	09 May 2016	Animal Life	None
D7	09 May 2016	Floatables	None
D7	09 May 2016	Water Color	Green
D7	09 May 2016	Current Direction	N
D7	09 May 2016	Wave Height Low (ft)	3
D7	09 May 2016	High Tide (ft)	3.9
D7	09 May 2016	High Tide Time	1227
D7	09 May 2016	Low Tide (ft)	-1.1
D7	09 May 2016	Low Tide Time	604
D7	09 May 2016	Comments	5 Surfers; Water clear
D7	15 May 2016	Arrive Time	1128
D7	15 May 2016	Weather	Cloudy
D7	15 May 2016	Wind Speed (kts)	10
D7	15 May 2016	Wind Dir	SW
D7	15 May 2016	Animal Life	None
D7	15 May 2016	Floatables	None
D7	15 May 2016	Water Color	Green
D7	15 May 2016	Current Direction	SW
D7	15 May 2016	Wave Height Low (ft)	3
D7	15 May 2016	High Tide (ft)	3.7
D7	15 May 2016	High Tide Time	539
D7	15 May 2016	Low Tide (ft)	0.7
D7	15 May 2016	Low Tide Time	1208
D7	15 May 2016	Comments	Kelp; Seagrass; 2 Surfers; Water turbid
D7	21 May 2016	Arrive Time	942
D7	21 May 2016	Weather	Partly Cloudy
D7	21 May 2016	Wind Speed (kts)	5.4
D7	21 May 2016	Wind Dir	N
D7	21 May 2016	Animal Life	None
D7	21 May 2016	Floatables	None
D7	21 May 2016	Water Color	Green
D7	21 May 2016	Current Direction	N
D7	21 May 2016	Wave Height Low (ft)	4
D7	21 May 2016	High Tide (ft)	3.8
D7	21 May 2016	High Tide Time	1000
D7	21 May 2016	Low Tide (ft)	1.5
D7	21 May 2016	Low Tide Time	1517
D7	21 May 2016	Comments	Water clear
D7	27 May 2016	Arrive Time	922
D7	27 May 2016	Weather	Cloudy
D7	27 May 2016	Wind Speed (kts)	1.3
D7	27 May 2016	Wind Dir	W
D7	27 May 2016	Animal Life	None
D7	27 May 2016	Floatables	None

Station	Date	Parameter	Value
D7	27 May 2016	Water Color	Green
D7	27 May 2016	Current Direction	W
D7	27 May 2016	Wave Height Low (ft)	2
D7	27 May 2016	High Tide (ft)	3.5
D7	27 May 2016	High Tide Time	1458
D7	27 May 2016	Low Tide (ft)	0.1
D7	27 May 2016	Low Tide Time	805
D7	27 May 2016	Comments	Kelp; Seagrass; Water clear
D8	03 May 2016	Arrive Time	841
D8	03 May 2016	Weather	Partly Cloudy
D8	03 May 2016	Wind Speed (kts)	4
D8	03 May 2016	Wind Dir	W
D8	03 May 2016	Animal Life	None
D8	03 May 2016	Floatables	None
D8	03 May 2016	Water Color	Green
D8	03 May 2016	Current Direction	W
D8	03 May 2016	Wave Height Low (ft)	3
D8	03 May 2016	High Tide (ft)	4.6
D8	03 May 2016	High Tide Time	706
D8	03 May 2016	Low Tide (ft)	0
D8	03 May 2016	Low Tide Time	1322
D8	03 May 2016	Comments	Kelp; Seagrass
D8	09 May 2016	Arrive Time	1100
D8	09 May 2016	Weather	Cloudy
D8	09 May 2016	Wind Speed (kts)	3.2
D8	09 May 2016	Wind Dir	N
D8	09 May 2016	Animal Life	None
D8	09 May 2016	Floatables	None
D8	09 May 2016	Water Color	Green
D8	09 May 2016	Current Direction	N
D8	09 May 2016	Wave Height Low (ft)	3
D8	09 May 2016	High Tide (ft)	3.9
D8	09 May 2016	High Tide Time	1227
D8	09 May 2016	Low Tide (ft)	-1.1
D8	09 May 2016	Low Tide Time	604
D8	09 May 2016	Comments	Water clear
D8	15 May 2016	Arrive Time	1116
D8	15 May 2016	Weather	Cloudy
D8	15 May 2016	Wind Speed (kts)	10
D8	15 May 2016	Wind Dir	SW
D8	15 May 2016	Animal Life	None
D8	15 May 2016	Floatables	None
D8	15 May 2016	Water Color	Green
D8	15 May 2016	Current Direction	SW
D8	15 May 2016	Wave Height Low (ft)	3
D8	15 May 2016	High Tide (ft)	3.7
D8	15 May 2016	High Tide Time	539
D8	15 May 2016	Low Tide (ft)	0.7
D8	15 May 2016	Low Tide Time	1208
D8	15 May 2016	Comments	Kelp; Seagrass; 6 Persons; Water turbid
D8	21 May 2016	Arrive Time	950

Station	Date	Parameter	Value
D8	21 May 2016	Weather	Partly Cloudy
D8	21 May 2016	Wind Speed (kts)	4
D8	21 May 2016	Wind Dir	N
D8	21 May 2016	Animal Life	None
D8	21 May 2016	Floatables	None
D8	21 May 2016	Water Color	Green
D8	21 May 2016	Current Direction	N
D8	21 May 2016	Wave Height Low (ft)	4
D8	21 May 2016	High Tide (ft)	3.8
D8	21 May 2016	High Tide Time	1000
D8	21 May 2016	Low Tide (ft)	1.5
D8	21 May 2016	Low Tide Time	1517
D8	21 May 2016	Comments	Water clear; Sample point inaccessible; Sample not taken
D8	27 May 2016	Arrive Time	933
D8	27 May 2016	Weather	Cloudy
D8	27 May 2016	Wind Speed (kts)	6
D8	27 May 2016	Wind Dir	W
D8	27 May 2016	Animal Life	None
D8	27 May 2016	Floatables	None
D8	27 May 2016	Water Color	Green
D8	27 May 2016	Current Direction	W
D8	27 May 2016	Wave Height Low (ft)	2
D8	27 May 2016	High Tide (ft)	3.5
D8	27 May 2016	High Tide Time	1458
D8	27 May 2016	Low Tide (ft)	0.1
D8	27 May 2016	Low Tide Time	805
D8	27 May 2016	Comments	Kelp; Seagrass; Water clear; Sample not taken; No public access
D9	03 May 2016	Arrive Time	925
D9	03 May 2016	Weather	Partly Cloudy
D9	03 May 2016	Wind Speed (kts)	3
D9	03 May 2016	Wind Dir	W
D9	03 May 2016	Animal Life	None
D9	03 May 2016	Floatables	None
D9	03 May 2016	Water Color	Green
D9	03 May 2016	Current Direction	W
D9	03 May 2016	Wave Height Low (ft)	3
D9	03 May 2016	High Tide (ft)	4.6
D9	03 May 2016	High Tide Time	706
D9	03 May 2016	Low Tide (ft)	0
D9	03 May 2016	Low Tide Time	1322
D9	03 May 2016	Comments	Kelp; Seagrass; Water turbid
D9	09 May 2016	Arrive Time	1115
D9	09 May 2016	Weather	Cloudy
D9	09 May 2016	Wind Speed (kts)	3.2
D9	09 May 2016	Wind Dir	N
D9	09 May 2016	Animal Life	None
D9	09 May 2016	Floatables	None
D9	09 May 2016	Water Color	Green
D9	09 May 2016	Current Direction	N
D9	09 May 2016	Wave Height Low (ft)	3
D9	09 May 2016	High Tide (ft)	3.9
D9	09 May 2016	High Tide Time	1227

Station	Date	Parameter	Value
D9	09 May 2016	Low Tide (ft)	-1.1
D9	09 May 2016	Low Tide Time	604
D9	09 May 2016	Comments	Water clear
D9	15 May 2016	Arrive Time	1101
D9	15 May 2016	Weather	Cloudy
D9	15 May 2016	Wind Speed (kts)	8
D9	15 May 2016	Wind Dir	SW
D9	15 May 2016	Animal Life	None
D9	15 May 2016	Floatables	None
D9	15 May 2016	Water Color	Green
D9	15 May 2016	Current Direction	SW
D9	15 May 2016	Wave Height Low (ft)	3
D9	15 May 2016	High Tide (ft)	3.7
D9	15 May 2016	High Tide Time	539
D9	15 May 2016	Low Tide (ft)	0.7
D9	15 May 2016	Low Tide Time	1208
D9	15 May 2016	Comments	None
D9	21 May 2016	Arrive Time	1003
D9	21 May 2016	Weather	Sunny
D9	21 May 2016	Wind Speed (kts)	3.9
D9	21 May 2016	Wind Dir	N
D9	21 May 2016	Animal Life	None
D9	21 May 2016	Floatables	None
D9	21 May 2016	Water Color	Green
D9	21 May 2016	Current Direction	N
D9	21 May 2016	Wave Height Low (ft)	4
D9	21 May 2016	High Tide (ft)	3.8
D9	21 May 2016	High Tide Time	1000
D9	21 May 2016	Low Tide (ft)	1.5
D9	21 May 2016	Low Tide Time	1517
D9	21 May 2016	Comments	Water clear
D9	27 May 2016	Arrive Time	1130
D9	27 May 2016	Weather	Cloudy
D9	27 May 2016	Wind Speed (kts)	6
D9	27 May 2016	Wind Dir	W
D9	27 May 2016	Animal Life	None
D9	27 May 2016	Floatables	None
D9	27 May 2016	Water Color	Green
D9	27 May 2016	Current Direction	W
D9	27 May 2016	Wave Height Low (ft)	2
D9	27 May 2016	High Tide (ft)	3.5
D9	27 May 2016	High Tide Time	1458
D9	27 May 2016	Low Tide (ft)	0.1
D9	27 May 2016	Low Tide Time	805
D9	27 May 2016	Comments	Kelp; Seagrass; Water turbid
D10	03 May 2016	Arrive Time	912
D10	03 May 2016	Weather	Partly Cloudy
D10	03 May 2016	Wind Speed (kts)	4
D10	03 May 2016	Wind Dir	W
D10	03 May 2016	Animal Life	None
D10	03 May 2016	Floatables	None

Station	Date	Parameter	Value
D10	03 May 2016	Water Color	Colorless
D10	03 May 2016	Current Direction	W
D10	03 May 2016	Wave Height Low (ft)	2
D10	03 May 2016	High Tide (ft)	4.6
D10	03 May 2016	High Tide Time	706
D10	03 May 2016	Low Tide (ft)	0
D10	03 May 2016	Low Tide Time	1322
D10	03 May 2016	Comments	Kelp; Seagrass; 4 Surfers; Water clear
D10	09 May 2016	Arrive Time	1130
D10	09 May 2016	Weather	Cloudy
D10	09 May 2016	Wind Speed (kts)	6
D10	09 May 2016	Wind Dir	N
D10	09 May 2016	Animal Life	None
D10	09 May 2016	Floatables	None
D10	09 May 2016	Water Color	Green
D10	09 May 2016	Current Direction	N
D10	09 May 2016	Wave Height Low (ft)	3
D10	09 May 2016	High Tide (ft)	3.9
D10	09 May 2016	High Tide Time	1227
D10	09 May 2016	Low Tide (ft)	-1.1
D10	09 May 2016	Low Tide Time	604
D10	09 May 2016	Comments	2 Persons; 1 Surfer; Water clear
D10	15 May 2016	Arrive Time	1047
D10	15 May 2016	Weather	Cloudy
D10	15 May 2016	Wind Speed (kts)	8
D10	15 May 2016	Wind Dir	SW
D10	15 May 2016	Animal Life	None
D10	15 May 2016	Floatables	None
D10	15 May 2016	Water Color	Green
D10	15 May 2016	Current Direction	SW
D10	15 May 2016	Wave Height Low (ft)	3
D10	15 May 2016	High Tide (ft)	3.7
D10	15 May 2016	High Tide Time	539
D10	15 May 2016	Low Tide (ft)	0.7
D10	15 May 2016	Low Tide Time	1208
D10	15 May 2016	Comments	Kelp; Seagrass; 7 Surfers; Water turbid
D10	21 May 2016	Arrive Time	1016
D10	21 May 2016	Weather	Sunny
D10	21 May 2016	Wind Speed (kts)	3.3
D10	21 May 2016	Wind Dir	N
D10	21 May 2016	Animal Life	None
D10	21 May 2016	Floatables	None
D10	21 May 2016	Water Color	Green
D10	21 May 2016	Current Direction	N
D10	21 May 2016	Wave Height Low (ft)	5
D10	21 May 2016	High Tide (ft)	3.8
D10	21 May 2016	High Tide Time	1000
D10	21 May 2016	Low Tide (ft)	1.5
D10	21 May 2016	Low Tide Time	1517
D10	21 May 2016	Comments	Water clear
D10	27 May 2016	Arrive Time	1117



Station	Date	Parameter	Value
D10	27 May 2016	Weather	Cloudy
D10	27 May 2016	Wind Speed (kts)	6
D10	27 May 2016	Wind Dir	W
D10	27 May 2016	Animal Life	None
D10	27 May 2016	Floatables	None
D10	27 May 2016	Water Color	Green
D10	27 May 2016	Current Direction	W
D10	27 May 2016	Wave Height Low (ft)	3
D10	27 May 2016	High Tide (ft)	3.5
D10	27 May 2016	High Tide Time	1458
D10	27 May 2016	Low Tide (ft)	0.1
D10	27 May 2016	Low Tide Time	805
D10	27 May 2016	Comments	Kelp; Seagrass; Water turbid; 6 Bathers
D11	03 May 2016	Arrive Time	858
D11	03 May 2016	Weather	Partly Cloudy
D11	03 May 2016	Wind Speed (kts)	5
D11	03 May 2016	Wind Dir	W
D11	03 May 2016	Animal Life	None
D11	03 May 2016	Floatables	None
D11	03 May 2016	Water Color	Blue
D11	03 May 2016	Current Direction	W
D11	03 May 2016	Wave Height Low (ft)	3
D11	03 May 2016	High Tide (ft)	4.6
D11	03 May 2016	High Tide Time	706
D11	03 May 2016	Low Tide (ft)	0
D11	03 May 2016	Low Tide Time	1322
D11	03 May 2016	Comments	Kelp; Seagrass; 1 Person; 1 Surfer; Water clear
D11	09 May 2016	Arrive Time	1150
D11	09 May 2016	Weather	Sunny
D11	09 May 2016	Wind Speed (kts)	5.8
D11	09 May 2016	Wind Dir	N
D11	09 May 2016	Animal Life	None
D11	09 May 2016	Floatables	None
D11	09 May 2016	Water Color	Green
D11	09 May 2016	Current Direction	N
D11	09 May 2016	Wave Height Low (ft)	3
D11	09 May 2016	High Tide (ft)	3.9
D11	09 May 2016	High Tide Time	1227
D11	09 May 2016	Low Tide (ft)	-1.1
D11	09 May 2016	Low Tide Time	604
D11	09 May 2016	Comments	Water clear
D11	15 May 2016	Arrive Time	1037
D11	15 May 2016	Weather	Cloudy
D11	15 May 2016	Wind Speed (kts)	8
D11	15 May 2016	Wind Dir	SW
D11	15 May 2016	Animal Life	None
D11	15 May 2016	Floatables	None
D11	15 May 2016	Water Color	Green
D11	15 May 2016	Current Direction	SW
D11	15 May 2016	Wave Height Low (ft)	3
D11	15 May 2016	High Tide (ft)	3.7
D11	15 May 2016	High Tide Time	539

Station	Date	Parameter	Value
D11	15 May 2016	Low Tide (ft)	0.7
D11	15 May 2016	Low Tide Time	1208
D11	15 May 2016	Comments	Kelp; Seagrass; Water turbid
D11	21 May 2016	Arrive Time	1031
D11	21 May 2016	Weather	Sunny
D11	21 May 2016	Wind Speed (kts)	4.1
D11	21 May 2016	Wind Dir	N
D11	21 May 2016	Animal Life	None
D11	21 May 2016	Floatables	None
D11	21 May 2016	Water Color	Green
D11	21 May 2016	Current Direction	N
D11	21 May 2016	Wave Height Low (ft)	4
D11	21 May 2016	High Tide (ft)	3.8
D11	21 May 2016	High Tide Time	1000
D11	21 May 2016	Low Tide (ft)	1.5
D11	21 May 2016	Low Tide Time	1517
D11	21 May 2016	Comments	Water clear
D11	27 May 2016	Arrive Time	1107
D11	27 May 2016	Weather	Cloudy
D11	27 May 2016	Wind Speed (kts)	6
D11	27 May 2016	Wind Dir	W
D11	27 May 2016	Animal Life	None
D11	27 May 2016	Floatables	None
D11	27 May 2016	Water Color	Green
D11	27 May 2016	Current Direction	W
D11	27 May 2016	Wave Height Low (ft)	2
D11	27 May 2016	High Tide (ft)	3.5
D11	27 May 2016	High Tide Time	1458
D11	27 May 2016	Low Tide (ft)	0.1
D11	27 May 2016	Low Tide Time	805
D11	27 May 2016	Comments	Kelp; Seagrass; 6 Surfers; Water turbid
D12	03 May 2016	Arrive Time	843
D12	03 May 2016	Weather	Partly Cloudy
D12	03 May 2016	Wind Speed (kts)	5
D12	03 May 2016	Wind Dir	W
D12	03 May 2016	Animal Life	None
D12	03 May 2016	Floatables	None
D12	03 May 2016	Water Color	Blue
D12	03 May 2016	Current Direction	W
D12	03 May 2016	Wave Height Low (ft)	2
D12	03 May 2016	High Tide (ft)	4.6
D12	03 May 2016	High Tide Time	706
D12	03 May 2016	Low Tide (ft)	0
D12	03 May 2016	Low Tide Time	1322
D12	03 May 2016	Comments	Kelp; Seagrass; Water clear
D12	09 May 2016	Arrive Time	1210
D12	09 May 2016	Weather	Sunny
D12	09 May 2016	Wind Speed (kts)	6.4
D12	09 May 2016	Wind Dir	N
D12	09 May 2016	Animal Life	None
D12	09 May 2016	Floatables	None

Station	Date	Parameter	Value
D12	09 May 2016	Water Color	Green
D12	09 May 2016	Current Direction	N
D12	09 May 2016	Wave Height Low (ft)	3
D12	09 May 2016	High Tide (ft)	3.9
D12	09 May 2016	High Tide Time	1227
D12	09 May 2016	Low Tide (ft)	1.7
D12	09 May 2016	Low Tide Time	1738
D12	09 May 2016	Comments	1 Person; Water clear
D12	15 May 2016	Arrive Time	1019
D12	15 May 2016	Weather	Cloudy
D12	15 May 2016	Wind Speed (kts)	8
D12	15 May 2016	Wind Dir	SW
D12	15 May 2016	Animal Life	None
D12	15 May 2016	Floatables	None
D12	15 May 2016	Water Color	Green
D12	15 May 2016	Current Direction	SW
D12	15 May 2016	Wave Height Low (ft)	3
D12	15 May 2016	High Tide (ft)	3.7
D12	15 May 2016	High Tide Time	539
D12	15 May 2016	Low Tide (ft)	0.7
D12	15 May 2016	Low Tide Time	1208
D12	15 May 2016	Comments	Kelp; Seagrass; 20 Persons; Water turbid
D12	21 May 2016	Arrive Time	1100
D12	21 May 2016	Weather	Sunny
D12	21 May 2016	Wind Speed (kts)	3
D12	21 May 2016	Wind Dir	N
D12	21 May 2016	Animal Life	None
D12	21 May 2016	Floatables	None
D12	21 May 2016	Water Color	Green
D12	21 May 2016	Current Direction	N
D12	21 May 2016	Wave Height Low (ft)	4
D12	21 May 2016	High Tide (ft)	3.8
D12	21 May 2016	High Tide Time	1000
D12	21 May 2016	Low Tide (ft)	1.5
D12	21 May 2016	Low Tide Time	1517
D12	21 May 2016	Comments	10 Persons; Water clear
D12	27 May 2016	Arrive Time	1049
D12	27 May 2016	Weather	Cloudy
D12	27 May 2016	Wind Speed (kts)	6
D12	27 May 2016	Wind Dir	W
D12	27 May 2016	Animal Life	None
D12	27 May 2016	Floatables	None
D12	27 May 2016	Water Color	Green
D12	27 May 2016	Current Direction	W
D12	27 May 2016	Wave Height Low (ft)	3
D12	27 May 2016	High Tide (ft)	3.5
D12	27 May 2016	High Tide Time	1458
D12	27 May 2016	Low Tide (ft)	0.1
D12	27 May 2016	Low Tide Time	805
D12	27 May 2016	Comments	Kelp; Seagrass; 10 Surfers; Water turbid

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# Kelp Stations



**Table 3.1**

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

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

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

<b>Date</b>	<b>A1</b>	<b>A6</b>	<b>A7</b>	<b>C4</b>	<b>C5</b>	<b>C6</b>	<b>C7</b>	<b>C8</b>
05 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
12 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
16 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	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.

<b>Date</b>	<b>A1</b>	<b>A6</b>	<b>A7</b>	<b>C4</b>	<b>C5</b>	<b>C6</b>	<b>C7</b>	<b>C8</b>
05 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
12 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
16 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	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.

<b>Date</b>	<b>A1</b>	<b>A6</b>	<b>A7</b>	<b>C4</b>	<b>C5</b>	<b>C6</b>	<b>C7</b>	<b>C8</b>
05 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
12 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
16 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	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.

<b>Date</b>	<b>A1</b>	<b>A6</b>	<b>A7</b>	<b>C4</b>	<b>C5</b>	<b>C6</b>	<b>C7</b>	<b>C8</b>
05 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
12 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
16 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	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* (Entero) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; ammonium (N-NH<sub>3</sub>) 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	Entero	F:T	N-NH <sub>3</sub>	Temp	XMS	DO	Sal	pH
A1	05 May 2016	753	1	<2	<2	<2	1.00	<0.01	17.6	85.37	7.5	33.59	8.2
A1	05 May 2016	753	12	<2	<2	<2	1.00	<0.01	15.9	84.29	6.8	33.56	8.1
A1	05 May 2016	753	18	4e	<2	<2	0.50	<0.01	12.0	83.96	4.4	33.55	7.9
A1	12 May 2016	816	1	2e	<2	<2	1.00	ns	15.7	80.64	6.9	33.50	8.0
A1	12 May 2016	816	12	10e	<2	<2	0.20	ns	13.7	83.48	5.8	33.50	8.0
A1	12 May 2016	816	18	28e	<2	<2	0.07	ns	13.4	84.52	5.6	33.51	7.9
A1	16 May 2016	750	1	<2	<2	<2	1.00	ns	16.6	79.04	8.1	33.52	8.2
A1	16 May 2016	750	12	<2	<2	<2	1.00	ns	15.5	79.62	7.0	33.51	8.1
A1	16 May 2016	750	18	<2	<2	<2	1.00	ns	13.7	82.31	5.7	33.48	8.0
A1	22 May 2016	753	1	<2	<2	<2	1.00	ns	17.4	80.99	7.7	33.58	8.2
A1	22 May 2016	753	12	6e	<2	<2	0.33	ns	12.2	85.31	5.1	33.47	7.9
A1	22 May 2016	753	18	52	4e	<2	0.08	ns	12.1	83.84	4.8	33.52	7.9
A1	31 May 2016	826	1	2e	<2	<2	1.00	ns	16.2	76.56	8.0	33.56	8.1
A1	31 May 2016	826	12	2e	<2	<2	1.00	ns	11.6	84.76	4.2	33.55	7.8
A1	31 May 2016	826	18	6e	<2	<2	0.33	ns	10.9	86.00	4.1	33.58	7.8
C4	05 May 2016	953	1	<2	<2	<2	1.00	0.02	17.9	81.77	7.9	33.59	8.2
C4	05 May 2016	953	3	<2	<2	<2	1.00	0.01	17.7	78.23	7.5	33.59	8.2
C4	05 May 2016	953	9	<2	<2	<2	1.00	<0.01	13.1	84.88	5.5	33.52	8.0
C4	12 May 2016	1029	1	<2	<2	<2	1.00	ns	16.0	82.32	7.0	33.51	8.1
C4	12 May 2016	1029	3	<2	<2	<2	1.00	ns	15.9	81.87	7.0	33.51	8.1
C4	12 May 2016	1029	9	<2	<2	<2	1.00	ns	13.6	85.16	5.5	33.52	8.0
C4	16 May 2016	1003	1	<2	<2	<2	1.00	ns	16.6	74.55	7.5	33.53	8.1
C4	16 May 2016	1003	3	<2	<2	<2	1.00	ns	16.6	74.66	7.5	33.53	8.1
C4	16 May 2016	1003	9	<2	<2	<2	1.00	ns	16.5	76.32	7.4	33.53	8.1
C4	22 May 2016	1049	1	<2	<2	<2	1.00	ns	17.7	76.00	7.6	33.57	8.2
C4	22 May 2016	1049	3	2e	<2	<2	1.00	ns	16.7	78.41	6.9	33.55	8.2
C4	22 May 2016	1049	9	2e	<2	<2	1.00	ns	13.9	82.77	5.7	33.48	8.0
C4	31 May 2016	1026	1	2e	<2	<2	1.00	ns	15.8	71.36	7.7	33.55	8.1
C4	31 May 2016	1026	3	<2	<2	<2	1.00	ns	15.6	68.63	7.6	33.55	8.1
C4	31 May 2016	1026	9	<2	<2	<2	1.00	ns	13.0	75.10	5.1	33.53	7.9
C5	05 May 2016	936	1	8e	<2	<2	0.25	<0.01	17.8	75.93	7.6	33.59	8.2
C5	05 May 2016	936	3	20e	<2	<2	0.10	<0.01	17.8	73.83	7.5	33.60	8.2
C5	05 May 2016	936	9	4e	<2	<2	0.50	<0.01	13.4	84.81	5.8	33.53	8.0
C5	12 May 2016	1018	1	<2	<2	<2	1.00	ns	16.3	68.41	6.8	33.51	8.1
C5	12 May 2016	1018	3	<2	<2	<2	1.00	ns	15.7	78.84	6.7	33.50	8.1

Station	Date	Time	Depth	Total	Fecal	Enteroc	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C5	12 May 2016	1018	9	4e	<2	<2	0.50	ns	13.2	86.79	5.1	33.51	7.9
C5	16 May 2016	950	1	<2	<2	<2	1.00	ns	16.8	73.02	7.6	33.53	8.2
C5	16 May 2016	950	3	<2	<2	<2	1.00	ns	16.7	71.52	7.6	33.53	8.2
C5	16 May 2016	950	9	<2	<2	<2	1.00	ns	16.5	77.49	7.7	33.52	8.2
C5	22 May 2016	1039	1	<2	<2	<2	1.00	ns	18.0	78.45	7.5	33.59	8.2
C5	22 May 2016	1039	3	<2	<2	<2	1.00	ns	17.6	78.67	7.5	33.58	8.2
C5	22 May 2016	1039	9	<2	<2	<2	1.00	ns	14.1	76.02	6.2	33.48	8.0
C5	31 May 2016	1014	1	<2	<2	<2	1.00	ns	16.8	75.93	8.4	33.58	8.2
C5	31 May 2016	1014	3	<2	<2	<2	1.00	ns	16.4	71.60	8.4	33.57	8.2
C5	31 May 2016	1014	9	<2	<2	<2	1.00	ns	13.2	80.53	5.3	33.60	7.9
A6	05 May 2016	820	1	<2	<2	<2	1.00	<0.01	18.1	85.36	7.7	33.60	8.2
A6	05 May 2016	820	12	<2	<2	<2	1.00	<0.01	17.4	82.49	7.7	33.57	8.2
A6	05 May 2016	820	18	4e	<2	<2	0.50	<0.01	15.2	84.11	6.3	33.52	8.1
A6	12 May 2016	848	1	<2	<2	<2	1.00	ns	15.7	81.79	6.9	33.50	8.1
A6	12 May 2016	848	12	2e	<2	<2	1.00	ns	14.2	81.51	6.0	33.50	8.0
A6	12 May 2016	848	18	4e	<2	<2	0.50	ns	12.9	84.01	5.0	33.52	7.9
A6	16 May 2016	821	1	<2	<2	<2	1.00	ns	16.8	77.86	7.8	33.53	8.2
A6	16 May 2016	821	12	<2	<2	<2	1.00	ns	14.0	82.52	6.2	33.54	8.1
A6	16 May 2016	821	18	<2	<2	<2	1.00	ns	12.8	84.81	5.7	33.47	8.0
A6	22 May 2016	833	1	<2	<2	<2	1.00	ns	17.7	79.05	7.5	33.58	8.2
A6	22 May 2016	833	12	<2	<2	<2	1.00	ns	12.7	84.80	5.2	33.48	8.0
A6	22 May 2016	833	18	2e	<2	<2	1.00	ns	12.3	84.85	4.9	33.50	7.9
A6	31 May 2016	858	1	<2	<2	<2	1.00	ns	16.2	71.53	8.2	33.57	8.2
A6	31 May 2016	858	12	<2	<2	<2	1.00	ns	13.7	74.71	6.0	33.55	8.0
A6	31 May 2016	858	18	<2	<2	<2	1.00	ns	11.1	84.36	4.0	33.56	7.8
C6	05 May 2016	918	1	<2	<2	<2	1.00	<0.01	18.4	82.40	7.5	33.60	8.2
C6	05 May 2016	918	3	<2	<2	<2	1.00	<0.01	18.2	82.50	7.4	33.60	8.2
C6	05 May 2016	918	9	<2	<2	<2	1.00	<0.01	13.3	85.10	5.7	33.53	8.0
C6	12 May 2016	1005	1	<2	<2	<2	1.00	ns	15.8	82.73	6.9	33.50	8.1
C6	12 May 2016	1005	3	<2	<2	<2	1.00	ns	15.6	82.48	6.7	33.51	8.1
C6	12 May 2016	1005	9	6e	<2	<2	0.33	ns	13.2	82.12	5.1	33.51	7.9
C6	16 May 2016	934	1	<2	<2	4e	1.00	ns	16.9	78.66	7.2	33.53	8.2
C6	16 May 2016	934	3	2	<2	<2	1.00	ns	16.9	79.88	7.2	33.53	8.2
C6	16 May 2016	934	9	<2	<2	<2	1.00	ns	16.6	80.39	7.0	33.61	8.1
C6	22 May 2016	1026	1	<2	<2	<2	1.00	ns	18.0	77.07	7.6	33.56	8.2
C6	22 May 2016	1026	3	2e	<2	<2	1.00	ns	17.9	77.98	7.5	33.58	8.2
C6	22 May 2016	1026	9	<2	<2	<2	1.00	ns	14.7	78.76	5.9	33.49	8.0
C6	31 May 2016	1002	1	<20	<2	<2	0.10	ns	16.9	69.55	7.7	33.58	8.2
C6	31 May 2016	1002	3	<20	<2	<2	0.10	ns	16.4	61.12	7.6	33.58	8.2
C6	31 May 2016	1002	9	2e	<2	<2	1.00	ns	12.8	82.11	4.8	33.53	7.9
A7	05 May 2016	804	1	<2	<2	<2	1.00	<0.01	17.9	85.38	7.8	33.59	8.2

Station	Date	Time	Depth	Total	Fecal	Enteroc	F:T	N-NH3	Temp	XMS	DO	Sal	pH
A7	05 May 2016	804	12	<2	<2	<2	1.00	<0.01	15.9	84.05	6.8	33.56	8.1
A7	05 May 2016	804	18	2e	<2	<2	1.00	<0.01	11.8	82.84	4.2	33.56	7.9
A7	12 May 2016	833	1	8e	<2	<2	0.25	ns	15.6	80.97	7.0	33.50	8.1
A7	12 May 2016	833	12	2e	<2	<2	1.00	ns	13.4	84.21	5.7	33.49	8.0
A7	12 May 2016	833	18	32e	<2	<2	0.06	ns	12.1	85.51	4.5	33.53	7.8
A7	16 May 2016	805	1	<2	<2	<2	1.00	ns	16.4	77.69	7.9	33.52	8.1
A7	16 May 2016	805	12	<2	<2	<2	1.00	ns	15.3	78.14	6.7	33.51	8.1
A7	16 May 2016	805	18	<2	<2	<2	1.00	ns	13.1	84.72	5.7	33.48	8.0
A7	22 May 2016	815	1	<2	<2	<2	1.00	ns	17.6	78.88	7.6	33.57	8.2
A7	22 May 2016	815	12	2e	<2	<2	1.00	ns	13.4	78.70	6.5	33.46	8.0
A7	22 May 2016	815	18	<2	<2	<2	1.00	ns	12.2	85.47	5.0	33.50	7.9
A7	31 May 2016	843	1	<2	<2	<2	1.00	ns	16.6	76.55	8.2	33.56	8.2
A7	31 May 2016	843	12	<2	<2	<2	1.00	ns	13.6	78.47	5.9	33.53	8.0
A7	31 May 2016	843	18	2e	<2	<2	1.00	ns	11.9	84.03	4.5	33.54	7.9
C7	05 May 2016	836	1	<2	<2	<2	1.00	<0.01	18.3	82.74	7.8	33.60	8.2
C7	05 May 2016	836	12	<2	<2	<2	1.00	<0.01	16.9	81.10	7.6	33.55	8.2
C7	05 May 2016	836	18	<2	<2	<2	1.00	<0.01	12.1	85.26	4.8	33.52	7.9
C7	12 May 2016	919	1	<2	<2	<2	1.00	ns	15.9	79.37	7.1	33.51	8.1
C7	12 May 2016	919	12	<2	<2	<2	1.00	ns	13.2	85.13	5.3	33.50	7.9
C7	12 May 2016	919	18	10e	<2	2e	0.20	ns	12.2	86.93	4.8	33.51	7.9
C7	16 May 2016	853	1	<2	<2	<2	1.00	ns	16.9	83.12	8.0	33.53	8.2
C7	16 May 2016	853	12	<2	<2	<2	1.00	ns	16.6	83.84	7.2	33.53	8.2
C7	16 May 2016	853	18	<2	<2	<2	1.00	ns	12.7	86.43	5.6	33.47	8.0
C7	22 May 2016	852	1	2e	<2	<2	1.00	ns	18.2	77.93	7.7	33.57	8.2
C7	22 May 2016	852	12	<2	<2	<2	1.00	ns	14.9	79.59	6.6	33.52	8.1
C7	22 May 2016	852	18	<2	<2	<2	1.00	ns	13.0	83.97	5.0	33.48	7.9
C7	31 May 2016	923	1	<20	2e	<2	0.10	ns	16.4	73.25	7.5	33.57	8.1
C7	31 May 2016	923	12	20e	2e	<2	0.10	ns	11.6	84.16	4.6	33.55	7.9
C7	31 May 2016	923	18	<20	<2	<2	0.10	ns	11.2	85.41	4.1	33.58	7.8
C8	05 May 2016	850	1	<2	<2	2e	1.00	<0.01	18.6	78.28	6.9	33.60	8.2
C8	05 May 2016	850	12	<2	<2	<2	1.00	<0.01	16.9	80.68	7.7	33.60	8.2
C8	05 May 2016	850	18	<2	<2	<2	1.00	<0.01	12.8	84.19	5.5	33.52	8.0
C8	12 May 2016	941	1	<2	<2	<2	1.00	ns	15.1	80.80	6.8	33.51	8.0
C8	12 May 2016	941	12	<2	<2	<2	1.00	ns	13.2	84.20	5.4	33.50	7.9
C8	12 May 2016	941	18	18e	<2	<2	0.11	ns	12.2	86.00	4.8	33.51	7.9
C8	16 May 2016	908	1	<2	<2	<2	1.00	ns	17.0	81.92	7.9	33.53	8.2
C8	16 May 2016	908	12	<2	2e	<2	1.00	ns	15.6	79.11	7.0	33.51	8.1
C8	16 May 2016	908	18	<2	<2	<2	1.00	ns	12.7	85.27	5.6	33.48	8.0
C8	22 May 2016	914	1	<2	<2	<2	1.00	ns	18.5	82.61	7.7	33.59	8.2
C8	22 May 2016	914	12	<2	<2	<2	1.00	ns	15.7	75.24	7.3	33.53	8.2
C8	22 May 2016	914	18	<2	<2	<2	1.00	ns	13.2	81.32	5.5	33.47	8.0



Station	Date	Time	Depth	Total	Fecal	Enteroc	F:T	N-NH3	Temp	XMS	DO	Sal	pH
C8	31 May 2016	939	1	<2	<2	<2	1.00	ns	15.7	74.94	7.3	33.57	8.1
C8	31 May 2016	939	12	2e	<2	<2	1.00	ns	11.4	83.82	4.5	33.54	7.8
C8	31 May 2016	939	18	22e	<2	<2	0.09	ns	11.2	83.34	4.2	33.58	7.8

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	05 May 2016	Depth (m)	19
A1	05 May 2016	Arrive Time	753
A1	05 May 2016	Depart Time	757
A1	05 May 2016	Air Temp (C)	16
A1	05 May 2016	Weather	Continuous layer of clouds
A1	05 May 2016	Visibility (mi)	8
A1	05 May 2016	Wind Speed (kts)	6
A1	05 May 2016	Wind Dir	SE
A1	05 May 2016	Water Color	Greenish-Blue
A1	05 May 2016	Wave Ht Low (ft)	3
A1	05 May 2016	Wave Period (sec)	13
A1	05 May 2016	Sea State	Calm
A1	05 May 2016	High Tide (ft)	4.75
A1	05 May 2016	High Tide Time	851
A1	05 May 2016	Low Tide (ft)	0.22
A1	05 May 2016	Low Tide Time	1443
A1	05 May 2016	Comments	
A1	12 May 2016	Depth (m)	16
A1	12 May 2016	Arrive Time	816
A1	12 May 2016	Depart Time	823
A1	12 May 2016	Air Temp (C)	16
A1	12 May 2016	Weather	Continuous layer of clouds
A1	12 May 2016	Visibility (mi)	8
A1	12 May 2016	Wind Speed (kts)	5
A1	12 May 2016	Wind Dir	S
A1	12 May 2016	Water Color	Bluish-Green
A1	12 May 2016	Wave Ht Low (ft)	3
A1	12 May 2016	Wave Period (sec)	13
A1	12 May 2016	Sea State	Wind ripples
A1	12 May 2016	High Tide (ft)	3.73
A1	12 May 2016	High Tide Time	1615
A1	12 May 2016	Low Tide (ft)	0.04
A1	12 May 2016	Low Tide Time	909
A1	12 May 2016	Comments	
A1	16 May 2016	Depth (m)	18
A1	16 May 2016	Arrive Time	750
A1	16 May 2016	Depart Time	757
A1	16 May 2016	Air Temp (C)	16
A1	16 May 2016	Weather	Partly Cloudy
A1	16 May 2016	Visibility (mi)	7
A1	16 May 2016	Wind Speed (kts)	6
A1	16 May 2016	Wind Dir	E
A1	16 May 2016	Water Color	Greenish-Blue
A1	16 May 2016	Wave Ht Low (ft)	4
A1	16 May 2016	Wave Period (sec)	11
A1	16 May 2016	Sea State	Light chop
A1	16 May 2016	High Tide (ft)	3.74
A1	16 May 2016	High Tide Time	640
A1	16 May 2016	Low Tide (ft)	0.8

Station	Date	Parameter	Value
A1	16 May 2016	Low Tide Time	1248
A1	16 May 2016	Comments	
A1	22 May 2016	Depth (m)	18
A1	22 May 2016	Arrive Time	753
A1	22 May 2016	Depart Time	809
A1	22 May 2016	Air Temp (C)	16
A1	22 May 2016	Weather	Partly Cloudy
A1	22 May 2016	Visibility (mi)	4
A1	22 May 2016	Wind Speed (kts)	9
A1	22 May 2016	Wind Dir	E
A1	22 May 2016	Water Color	Green
A1	22 May 2016	Wave Ht Low (ft)	3
A1	22 May 2016	Wave Period (sec)	9
A1	22 May 2016	Sea State	Light chop
A1	22 May 2016	High Tide (ft)	3.71
A1	22 May 2016	High Tide Time	1038
A1	22 May 2016	Low Tide (ft)	-0.45
A1	22 May 2016	Low Tide Time	429
A1	22 May 2016	Comments	Kelp
A1	31 May 2016	Depth (m)	18
A1	31 May 2016	Arrive Time	826
A1	31 May 2016	Depart Time	837
A1	31 May 2016	Air Temp (C)	17
A1	31 May 2016	Weather	Continuous layer of clouds
A1	31 May 2016	Visibility (mi)	6
A1	31 May 2016	Wind Speed (kts)	0
A1	31 May 2016	Wind Dir	
A1	31 May 2016	Water Color	Green
A1	31 May 2016	Wave Ht Low (ft)	4
A1	31 May 2016	Wave Period (sec)	16
A1	31 May 2016	Sea State	Calm
A1	31 May 2016	High Tide (ft)	3.85
A1	31 May 2016	High Tide Time	545
A1	31 May 2016	Low Tide (ft)	0.57
A1	31 May 2016	Low Tide Time	1154
A1	31 May 2016	Comments	Kelp; Tuna crab and birds on station
C4	05 May 2016	Depth (m)	10
C4	05 May 2016	Arrive Time	953
C4	05 May 2016	Depart Time	1005
C4	05 May 2016	Air Temp (C)	16
C4	05 May 2016	Weather	Partly Cloudy
C4	05 May 2016	Visibility (mi)	10
C4	05 May 2016	Wind Speed (kts)	8
C4	05 May 2016	Wind Dir	S
C4	05 May 2016	Water Color	Green
C4	05 May 2016	Wave Ht Low (ft)	3
C4	05 May 2016	Wave Period (sec)	13
C4	05 May 2016	Sea State	Calm
C4	05 May 2016	High Tide (ft)	4.75
C4	05 May 2016	High Tide Time	851
C4	05 May 2016	Low Tide (ft)	0.22
C4	05 May 2016	Low Tide Time	1443

Station	Date	Parameter	Value
C4	05 May 2016	Comments	
C4	12 May 2016	Depth (m)	10
C4	12 May 2016	Arrive Time	1029
C4	12 May 2016	Depart Time	1035
C4	12 May 2016	Air Temp (C)	16
C4	12 May 2016	Weather	Continuous layer of clouds
C4	12 May 2016	Visibility (mi)	8
C4	12 May 2016	Wind Speed (kts)	3
C4	12 May 2016	Wind Dir	NW
C4	12 May 2016	Water Color	Bluish-Green
C4	12 May 2016	Wave Ht Low (ft)	3
C4	12 May 2016	Wave Period (sec)	13
C4	12 May 2016	Sea State	Wind ripples
C4	12 May 2016	High Tide (ft)	3.73
C4	12 May 2016	High Tide Time	1615
C4	12 May 2016	Low Tide (ft)	0.04
C4	12 May 2016	Low Tide Time	909
C4	12 May 2016	Comments	Kelp debris
C4	16 May 2016	Depth (m)	9
C4	16 May 2016	Arrive Time	1003
C4	16 May 2016	Depart Time	1008
C4	16 May 2016	Air Temp (C)	16
C4	16 May 2016	Weather	Partly Cloudy
C4	16 May 2016	Visibility (mi)	7
C4	16 May 2016	Wind Speed (kts)	8
C4	16 May 2016	Wind Dir	W
C4	16 May 2016	Water Color	Green
C4	16 May 2016	Wave Ht Low (ft)	4
C4	16 May 2016	Wave Period (sec)	11
C4	16 May 2016	Sea State	Confused swell
C4	16 May 2016	High Tide (ft)	3.74
C4	16 May 2016	High Tide Time	640
C4	16 May 2016	Low Tide (ft)	0.8
C4	16 May 2016	Low Tide Time	1248
C4	16 May 2016	Comments	
C4	22 May 2016	Depth (m)	9
C4	22 May 2016	Arrive Time	1049
C4	22 May 2016	Depart Time	1108
C4	22 May 2016	Air Temp (C)	16
C4	22 May 2016	Weather	Partly Cloudy
C4	22 May 2016	Visibility (mi)	4
C4	22 May 2016	Wind Speed (kts)	6
C4	22 May 2016	Wind Dir	NE
C4	22 May 2016	Water Color	Green
C4	22 May 2016	Wave Ht Low (ft)	3
C4	22 May 2016	Wave Period (sec)	9
C4	22 May 2016	Sea State	Light chop
C4	22 May 2016	High Tide (ft)	3.71
C4	22 May 2016	High Tide Time	1038
C4	22 May 2016	Low Tide (ft)	-0.45
C4	22 May 2016	Low Tide Time	429
C4	22 May 2016	Comments	Kelp

Station	Date	Parameter	Value
C4	31 May 2016	Depth (m)	9
C4	31 May 2016	Arrive Time	1026
C4	31 May 2016	Depart Time	1031
C4	31 May 2016	Air Temp (C)	17
C4	31 May 2016	Weather	Continuous layer of clouds
C4	31 May 2016	Visibility (mi)	6
C4	31 May 2016	Wind Speed (kts)	3
C4	31 May 2016	Wind Dir	SE
C4	31 May 2016	Water Color	Greenish-Brown
C4	31 May 2016	Wave Ht Low (ft)	4
C4	31 May 2016	Wave Period (sec)	16
C4	31 May 2016	Sea State	Calm
C4	31 May 2016	High Tide (ft)	3.85
C4	31 May 2016	High Tide Time	545
C4	31 May 2016	Low Tide (ft)	0.57
C4	31 May 2016	Low Tide Time	1154
C4	31 May 2016	Comments	Kelp debris
C5	05 May 2016	Depth (m)	10
C5	05 May 2016	Arrive Time	936
C5	05 May 2016	Depart Time	943
C5	05 May 2016	Air Temp (C)	16
C5	05 May 2016	Weather	Partly Cloudy
C5	05 May 2016	Visibility (mi)	10
C5	05 May 2016	Wind Speed (kts)	8
C5	05 May 2016	Wind Dir	NE
C5	05 May 2016	Water Color	Green
C5	05 May 2016	Wave Ht Low (ft)	3
C5	05 May 2016	Wave Period (sec)	13
C5	05 May 2016	Sea State	Calm
C5	05 May 2016	High Tide (ft)	4.75
C5	05 May 2016	High Tide Time	851
C5	05 May 2016	Low Tide (ft)	0.22
C5	05 May 2016	Low Tide Time	1443
C5	05 May 2016	Comments	
C5	12 May 2016	Depth (m)	9
C5	12 May 2016	Arrive Time	1018
C5	12 May 2016	Depart Time	1021
C5	12 May 2016	Air Temp (C)	16
C5	12 May 2016	Weather	Continuous layer of clouds
C5	12 May 2016	Visibility (mi)	8
C5	12 May 2016	Wind Speed (kts)	3
C5	12 May 2016	Wind Dir	SW
C5	12 May 2016	Water Color	Bluish-Green
C5	12 May 2016	Wave Ht Low (ft)	3
C5	12 May 2016	Wave Period (sec)	13
C5	12 May 2016	Sea State	Wind ripples
C5	12 May 2016	High Tide (ft)	3.73
C5	12 May 2016	High Tide Time	1615
C5	12 May 2016	Low Tide (ft)	0.04
C5	12 May 2016	Low Tide Time	909
C5	12 May 2016	Comments	Kelp debris

Station	Date	Parameter	Value
C5	16 May 2016	Depth (m)	9
C5	16 May 2016	Arrive Time	950
C5	16 May 2016	Depart Time	952
C5	16 May 2016	Air Temp (C)	16
C5	16 May 2016	Weather	Partly Cloudy
C5	16 May 2016	Visibility (mi)	7
C5	16 May 2016	Wind Speed (kts)	7
C5	16 May 2016	Wind Dir	E
C5	16 May 2016	Water Color	Green
C5	16 May 2016	Wave Ht Low (ft)	4
C5	16 May 2016	Wave Period (sec)	11
C5	16 May 2016	Sea State	Confused swell
C5	16 May 2016	High Tide (ft)	3.74
C5	16 May 2016	High Tide Time	640
C5	16 May 2016	Low Tide (ft)	0.8
C5	16 May 2016	Low Tide Time	1248
C5	16 May 2016	Comments	
C5	22 May 2016	Depth (m)	9
C5	22 May 2016	Arrive Time	1039
C5	22 May 2016	Depart Time	1042
C5	22 May 2016	Air Temp (C)	16
C5	22 May 2016	Weather	Partly Cloudy
C5	22 May 2016	Visibility (mi)	4
C5	22 May 2016	Wind Speed (kts)	6
C5	22 May 2016	Wind Dir	NE
C5	22 May 2016	Water Color	Green
C5	22 May 2016	Wave Ht Low (ft)	3
C5	22 May 2016	Wave Period (sec)	9
C5	22 May 2016	Sea State	Light chop
C5	22 May 2016	High Tide (ft)	3.71
C5	22 May 2016	High Tide Time	1038
C5	22 May 2016	Low Tide (ft)	-0.45
C5	22 May 2016	Low Tide Time	429
C5	22 May 2016	Comments	Kelp
C5	31 May 2016	Depth (m)	9
C5	31 May 2016	Arrive Time	1014
C5	31 May 2016	Depart Time	1018
C5	31 May 2016	Air Temp (C)	17
C5	31 May 2016	Weather	Continuous layer of clouds
C5	31 May 2016	Visibility (mi)	6
C5	31 May 2016	Wind Speed (kts)	0
C5	31 May 2016	Wind Dir	
C5	31 May 2016	Water Color	Greenish-Brown
C5	31 May 2016	Wave Ht Low (ft)	4
C5	31 May 2016	Wave Period (sec)	16
C5	31 May 2016	Sea State	Calm
C5	31 May 2016	High Tide (ft)	3.85
C5	31 May 2016	High Tide Time	545
C5	31 May 2016	Low Tide (ft)	0.57
C5	31 May 2016	Low Tide Time	1154
C5	31 May 2016	Comments	Kelp
A6	05 May 2016	Depth (m)	18

Station	Date	Parameter	Value
A6	05 May 2016	Arrive Time	820
A6	05 May 2016	Depart Time	822
A6	05 May 2016	Air Temp (C)	16
A6	05 May 2016	Weather	Continuous layer of clouds
A6	05 May 2016	Visibility (mi)	8
A6	05 May 2016	Wind Speed (kts)	5
A6	05 May 2016	Wind Dir	W
A6	05 May 2016	Water Color	Greenish-Blue
A6	05 May 2016	Wave Ht Low (ft)	3
A6	05 May 2016	Wave Period (sec)	13
A6	05 May 2016	Sea State	Calm
A6	05 May 2016	High Tide (ft)	4.75
A6	05 May 2016	High Tide Time	851
A6	05 May 2016	Low Tide (ft)	0.22
A6	05 May 2016	Low Tide Time	1443
A6	05 May 2016	Comments	Kelp
A6	12 May 2016	Depth (m)	16
A6	12 May 2016	Arrive Time	848
A6	12 May 2016	Depart Time	902
A6	12 May 2016	Air Temp (C)	16
A6	12 May 2016	Weather	Continuous layer of clouds
A6	12 May 2016	Visibility (mi)	8
A6	12 May 2016	Wind Speed (kts)	6
A6	12 May 2016	Wind Dir	NE
A6	12 May 2016	Water Color	Bluish-Green
A6	12 May 2016	Wave Ht Low (ft)	3
A6	12 May 2016	Wave Period (sec)	13
A6	12 May 2016	Sea State	Wind ripples
A6	12 May 2016	High Tide (ft)	3.73
A6	12 May 2016	High Tide Time	1615
A6	12 May 2016	Low Tide (ft)	0.04
A6	12 May 2016	Low Tide Time	909
A6	12 May 2016	Comments	Kelp; Tough time getting depth - three casts.
A6	16 May 2016	Depth (m)	18
A6	16 May 2016	Arrive Time	821
A6	16 May 2016	Depart Time	840
A6	16 May 2016	Air Temp (C)	16
A6	16 May 2016	Weather	Partly Cloudy
A6	16 May 2016	Visibility (mi)	7
A6	16 May 2016	Wind Speed (kts)	8
A6	16 May 2016	Wind Dir	W
A6	16 May 2016	Water Color	Greenish-Blue
A6	16 May 2016	Wave Ht Low (ft)	4
A6	16 May 2016	Wave Period (sec)	11
A6	16 May 2016	Sea State	Confused swell
A6	16 May 2016	High Tide (ft)	3.74
A6	16 May 2016	High Tide Time	640
A6	16 May 2016	Low Tide (ft)	0.8
A6	16 May 2016	Low Tide Time	1248
A6	16 May 2016	Comments	
A6	22 May 2016	Depth (m)	18
A6	22 May 2016	Arrive Time	833

Station	Date	Parameter	Value
A6	22 May 2016	Depart Time	836
A6	22 May 2016	Air Temp (C)	16
A6	22 May 2016	Weather	Partly Cloudy
A6	22 May 2016	Visibility (mi)	4
A6	22 May 2016	Wind Speed (kts)	5
A6	22 May 2016	Wind Dir	NE
A6	22 May 2016	Water Color	Green
A6	22 May 2016	Wave Ht Low (ft)	3
A6	22 May 2016	Wave Period (sec)	9
A6	22 May 2016	Sea State	Light chop
A6	22 May 2016	High Tide (ft)	3.71
A6	22 May 2016	High Tide Time	1038
A6	22 May 2016	Low Tide (ft)	-0.45
A6	22 May 2016	Low Tide Time	429
A6	22 May 2016	Comments	Kelp; Boats
A6	31 May 2016	Depth (m)	18
A6	31 May 2016	Arrive Time	858
A6	31 May 2016	Depart Time	908
A6	31 May 2016	Air Temp (C)	16
A6	31 May 2016	Weather	Continuous layer of clouds
A6	31 May 2016	Visibility (mi)	6
A6	31 May 2016	Wind Speed (kts)	0
A6	31 May 2016	Wind Dir	
A6	31 May 2016	Water Color	Green
A6	31 May 2016	Wave Ht Low (ft)	4
A6	31 May 2016	Wave Period (sec)	16
A6	31 May 2016	Sea State	Calm
A6	31 May 2016	High Tide (ft)	3.85
A6	31 May 2016	High Tide Time	545
A6	31 May 2016	Low Tide (ft)	0.57
A6	31 May 2016	Low Tide Time	1154
A6	31 May 2016	Comments	Kelp; Kelp debris
C6	05 May 2016	Depth (m)	9
C6	05 May 2016	Arrive Time	918
C6	05 May 2016	Depart Time	920
C6	05 May 2016	Air Temp (C)	16
C6	05 May 2016	Weather	Partly Cloudy
C6	05 May 2016	Visibility (mi)	10
C6	05 May 2016	Wind Speed (kts)	6
C6	05 May 2016	Wind Dir	W
C6	05 May 2016	Water Color	Greenish-Blue
C6	05 May 2016	Wave Ht Low (ft)	3
C6	05 May 2016	Wave Period (sec)	13
C6	05 May 2016	Sea State	Calm
C6	05 May 2016	High Tide (ft)	4.75
C6	05 May 2016	High Tide Time	851
C6	05 May 2016	Low Tide (ft)	0.22
C6	05 May 2016	Low Tide Time	1443
C6	05 May 2016	Comments	4 Grey Whales on station
C6	12 May 2016	Depth (m)	8
C6	12 May 2016	Arrive Time	1005
C6	12 May 2016	Depart Time	1012



Station	Date	Parameter	Value
C6	12 May 2016	Air Temp (C)	16
C6	12 May 2016	Weather	Continuous layer of clouds
C6	12 May 2016	Visibility (mi)	8
C6	12 May 2016	Wind Speed (kts)	4
C6	12 May 2016	Wind Dir	W
C6	12 May 2016	Water Color	Bluish-Green
C6	12 May 2016	Wave Ht Low (ft)	3
C6	12 May 2016	Wave Period (sec)	13
C6	12 May 2016	Sea State	Wind ripples
C6	12 May 2016	High Tide (ft)	3.73
C6	12 May 2016	High Tide Time	1615
C6	12 May 2016	Low Tide (ft)	0.04
C6	12 May 2016	Low Tide Time	909
C6	12 May 2016	Comments	
C6	16 May 2016	Depth (m)	9
C6	16 May 2016	Arrive Time	934
C6	16 May 2016	Depart Time	938
C6	16 May 2016	Air Temp (C)	16
C6	16 May 2016	Weather	Partly Cloudy
C6	16 May 2016	Visibility (mi)	7
C6	16 May 2016	Wind Speed (kts)	8
C6	16 May 2016	Wind Dir	N
C6	16 May 2016	Water Color	Green
C6	16 May 2016	Wave Ht Low (ft)	4
C6	16 May 2016	Wave Period (sec)	11
C6	16 May 2016	Sea State	Confused swell
C6	16 May 2016	High Tide (ft)	3.74
C6	16 May 2016	High Tide Time	640
C6	16 May 2016	Low Tide (ft)	0.8
C6	16 May 2016	Low Tide Time	1248
C6	16 May 2016	Comments	Kelp
C6	22 May 2016	Depth (m)	9
C6	22 May 2016	Arrive Time	1026
C6	22 May 2016	Depart Time	1030
C6	22 May 2016	Air Temp (C)	16
C6	22 May 2016	Weather	Partly Cloudy
C6	22 May 2016	Visibility (mi)	4
C6	22 May 2016	Wind Speed (kts)	10
C6	22 May 2016	Wind Dir	SE
C6	22 May 2016	Water Color	Green
C6	22 May 2016	Wave Ht Low (ft)	3
C6	22 May 2016	Wave Period (sec)	9
C6	22 May 2016	Sea State	Light chop
C6	22 May 2016	High Tide (ft)	3.71
C6	22 May 2016	High Tide Time	1038
C6	22 May 2016	Low Tide (ft)	-0.45
C6	22 May 2016	Low Tide Time	429
C6	22 May 2016	Comments	Kelp
C6	31 May 2016	Depth (m)	9
C6	31 May 2016	Arrive Time	1002
C6	31 May 2016	Depart Time	1005
C6	31 May 2016	Air Temp (C)	17

Station	Date	Parameter	Value
C6	31 May 2016	Weather	Continuous layer of clouds
C6	31 May 2016	Visibility (mi)	6
C6	31 May 2016	Wind Speed (kts)	1
C6	31 May 2016	Wind Dir	W
C6	31 May 2016	Water Color	Greenish-Brown
C6	31 May 2016	Wave Ht Low (ft)	4
C6	31 May 2016	Wave Period (sec)	16
C6	31 May 2016	Sea State	Calm
C6	31 May 2016	High Tide (ft)	3.85
C6	31 May 2016	High Tide Time	545
C6	31 May 2016	Low Tide (ft)	0.57
C6	31 May 2016	Low Tide Time	1154
C6	31 May 2016	Comments	Kelp
A7	05 May 2016	Depth (m)	18
A7	05 May 2016	Arrive Time	807
A7	05 May 2016	Depart Time	820
A7	05 May 2016	Air Temp (C)	16
A7	05 May 2016	Weather	Continuous layer of clouds
A7	05 May 2016	Visibility (mi)	8
A7	05 May 2016	Wind Speed (kts)	5
A7	05 May 2016	Wind Dir	E
A7	05 May 2016	Water Color	Greenish-Blue
A7	05 May 2016	Wave Ht Low (ft)	3
A7	05 May 2016	Wave Period (sec)	13
A7	05 May 2016	Sea State	Calm
A7	05 May 2016	High Tide (ft)	4.75
A7	05 May 2016	High Tide Time	851
A7	05 May 2016	Low Tide (ft)	0.22
A7	05 May 2016	Low Tide Time	1443
A7	05 May 2016	Comments	Kelp; sea lions present
A7	12 May 2016	Depth (m)	18
A7	12 May 2016	Arrive Time	833
A7	12 May 2016	Depart Time	836
A7	12 May 2016	Air Temp (C)	16
A7	12 May 2016	Weather	Continuous layer of clouds
A7	12 May 2016	Visibility (mi)	8
A7	12 May 2016	Wind Speed (kts)	6
A7	12 May 2016	Wind Dir	W
A7	12 May 2016	Water Color	Bluish-Green
A7	12 May 2016	Wave Ht Low (ft)	3
A7	12 May 2016	Wave Period (sec)	13
A7	12 May 2016	Sea State	Wind ripples
A7	12 May 2016	High Tide (ft)	3.73
A7	12 May 2016	High Tide Time	1615
A7	12 May 2016	Low Tide (ft)	0.04
A7	12 May 2016	Low Tide Time	909
A7	12 May 2016	Comments	Kelp
A7	16 May 2016	Depth (m)	18
A7	16 May 2016	Arrive Time	805
A7	16 May 2016	Depart Time	809
A7	16 May 2016	Air Temp (C)	16
A7	16 May 2016	Weather	Partly Cloudy

Station	Date	Parameter	Value
A7	16 May 2016	Visibility (mi)	7
A7	16 May 2016	Wind Speed (kts)	8
A7	16 May 2016	Wind Dir	E
A7	16 May 2016	Water Color	Greenish-Blue
A7	16 May 2016	Wave Ht Low (ft)	4
A7	16 May 2016	Wave Period (sec)	11
A7	16 May 2016	Sea State	Confused swell
A7	16 May 2016	High Tide (ft)	3.74
A7	16 May 2016	High Tide Time	640
A7	16 May 2016	Low Tide (ft)	0.8
A7	16 May 2016	Low Tide Time	1248
A7	16 May 2016	Comments	
A7	22 May 2016	Depth (m)	19
A7	22 May 2016	Arrive Time	815
A7	22 May 2016	Depart Time	821
A7	22 May 2016	Air Temp (C)	16
A7	22 May 2016	Weather	Partly Cloudy
A7	22 May 2016	Visibility (mi)	4
A7	22 May 2016	Wind Speed (kts)	6
A7	22 May 2016	Wind Dir	NW
A7	22 May 2016	Water Color	Green
A7	22 May 2016	Wave Ht Low (ft)	3
A7	22 May 2016	Wave Period (sec)	9
A7	22 May 2016	Sea State	Light chop
A7	22 May 2016	High Tide (ft)	3.71
A7	22 May 2016	High Tide Time	1038
A7	22 May 2016	Low Tide (ft)	-0.45
A7	22 May 2016	Low Tide Time	429
A7	22 May 2016	Comments	Kelp; Boats
A7	31 May 2016	Depth (m)	19
A7	31 May 2016	Arrive Time	843
A7	31 May 2016	Depart Time	848
A7	31 May 2016	Air Temp (C)	16
A7	31 May 2016	Weather	Continuous layer of clouds
A7	31 May 2016	Visibility (mi)	6
A7	31 May 2016	Wind Speed (kts)	2
A7	31 May 2016	Wind Dir	SE
A7	31 May 2016	Water Color	Green
A7	31 May 2016	Wave Ht Low (ft)	4
A7	31 May 2016	Wave Period (sec)	16
A7	31 May 2016	Sea State	Calm
A7	31 May 2016	High Tide (ft)	3.85
A7	31 May 2016	High Tide Time	545
A7	31 May 2016	Low Tide (ft)	0.57
A7	31 May 2016	Low Tide Time	1154
A7	31 May 2016	Comments	Kelp
C7	05 May 2016	Depth (m)	18
C7	05 May 2016	Arrive Time	836
C7	05 May 2016	Depart Time	839
C7	05 May 2016	Air Temp (C)	16
C7	05 May 2016	Weather	Partly Cloudy
C7	05 May 2016	Visibility (mi)	10

Station	Date	Parameter	Value
C7	05 May 2016	Wind Speed (kts)	5
C7	05 May 2016	Wind Dir	E
C7	05 May 2016	Water Color	Greenish-Blue
C7	05 May 2016	Wave Ht Low (ft)	3
C7	05 May 2016	Wave Period (sec)	13
C7	05 May 2016	Sea State	Calm
C7	05 May 2016	High Tide (ft)	4.75
C7	05 May 2016	High Tide Time	851
C7	05 May 2016	Low Tide (ft)	0.22
C7	05 May 2016	Low Tide Time	1443
C7	05 May 2016	Comments	Kelp
C7	12 May 2016	Depth (m)	16
C7	12 May 2016	Arrive Time	919
C7	12 May 2016	Depart Time	931
C7	12 May 2016	Air Temp (C)	16
C7	12 May 2016	Weather	Continuous layer of clouds
C7	12 May 2016	Visibility (mi)	8
C7	12 May 2016	Wind Speed (kts)	6
C7	12 May 2016	Wind Dir	N
C7	12 May 2016	Water Color	Bluish-Green
C7	12 May 2016	Wave Ht Low (ft)	3
C7	12 May 2016	Wave Period (sec)	13
C7	12 May 2016	Sea State	Wind ripples
C7	12 May 2016	High Tide (ft)	3.73
C7	12 May 2016	High Tide Time	1615
C7	12 May 2016	Low Tide (ft)	0.04
C7	12 May 2016	Low Tide Time	909
C7	12 May 2016	Comments	Kelp
C7	16 May 2016	Depth (m)	18
C7	16 May 2016	Arrive Time	853
C7	16 May 2016	Depart Time	856
C7	16 May 2016	Air Temp (C)	16
C7	16 May 2016	Weather	Partly Cloudy
C7	16 May 2016	Visibility (mi)	7
C7	16 May 2016	Wind Speed (kts)	8
C7	16 May 2016	Wind Dir	W
C7	16 May 2016	Water Color	Greenish-Blue
C7	16 May 2016	Wave Ht Low (ft)	4
C7	16 May 2016	Wave Period (sec)	11
C7	16 May 2016	Sea State	Confused swell
C7	16 May 2016	High Tide (ft)	3.74
C7	16 May 2016	High Tide Time	640
C7	16 May 2016	Low Tide (ft)	0.8
C7	16 May 2016	Low Tide Time	1248
C7	16 May 2016	Comments	
C7	22 May 2016	Depth (m)	18
C7	22 May 2016	Arrive Time	852
C7	22 May 2016	Depart Time	902
C7	22 May 2016	Air Temp (C)	16
C7	22 May 2016	Weather	Partly Cloudy
C7	22 May 2016	Visibility (mi)	4
C7	22 May 2016	Wind Speed (kts)	6

Station	Date	Parameter	Value
C7	22 May 2016	Wind Dir	SE
C7	22 May 2016	Water Color	Green
C7	22 May 2016	Wave Ht Low (ft)	3
C7	22 May 2016	Wave Period (sec)	9
C7	22 May 2016	Sea State	Light chop
C7	22 May 2016	High Tide (ft)	3.71
C7	22 May 2016	High Tide Time	1038
C7	22 May 2016	Low Tide (ft)	-0.45
C7	22 May 2016	Low Tide Time	429
C7	22 May 2016	Comments	Kelp
C7	31 May 2016	Depth (m)	18
C7	31 May 2016	Arrive Time	923
C7	31 May 2016	Depart Time	929
C7	31 May 2016	Air Temp (C)	16
C7	31 May 2016	Weather	Continuous layer of clouds
C7	31 May 2016	Visibility (mi)	6
C7	31 May 2016	Wind Speed (kts)	1
C7	31 May 2016	Wind Dir	S
C7	31 May 2016	Water Color	Green
C7	31 May 2016	Wave Ht Low (ft)	4
C7	31 May 2016	Wave Period (sec)	16
C7	31 May 2016	Sea State	Calm
C7	31 May 2016	High Tide (ft)	3.85
C7	31 May 2016	High Tide Time	545
C7	31 May 2016	Low Tide (ft)	0.57
C7	31 May 2016	Low Tide Time	1154
C7	31 May 2016	Comments	Kelp
C8	05 May 2016	Depth (m)	19
C8	05 May 2016	Arrive Time	850
C8	05 May 2016	Depart Time	855
C8	05 May 2016	Air Temp (C)	16
C8	05 May 2016	Weather	Partly Cloudy
C8	05 May 2016	Visibility (mi)	10
C8	05 May 2016	Wind Speed (kts)	6
C8	05 May 2016	Wind Dir	S
C8	05 May 2016	Water Color	Greenish-Blue
C8	05 May 2016	Wave Ht Low (ft)	3
C8	05 May 2016	Wave Period (sec)	13
C8	05 May 2016	Sea State	Calm
C8	05 May 2016	High Tide (ft)	4.75
C8	05 May 2016	High Tide Time	851
C8	05 May 2016	Low Tide (ft)	0.22
C8	05 May 2016	Low Tide Time	1443
C8	05 May 2016	Comments	
C8	12 May 2016	Depth (m)	17
C8	12 May 2016	Arrive Time	941
C8	12 May 2016	Depart Time	947
C8	12 May 2016	Air Temp (C)	16
C8	12 May 2016	Weather	Continuous layer of clouds
C8	12 May 2016	Visibility (mi)	8
C8	12 May 2016	Wind Speed (kts)	5
C8	12 May 2016	Wind Dir	NW

Station	Date	Parameter	Value
C8	12 May 2016	Water Color	Bluish-Green
C8	12 May 2016	Wave Ht Low (ft)	3
C8	12 May 2016	Wave Period (sec)	13
C8	12 May 2016	Sea State	Wind ripples
C8	12 May 2016	High Tide (ft)	3.73
C8	12 May 2016	High Tide Time	1615
C8	12 May 2016	Low Tide (ft)	0.04
C8	12 May 2016	Low Tide Time	909
C8	12 May 2016	Comments	
C8	16 May 2016	Depth (m)	18
C8	16 May 2016	Arrive Time	908
C8	16 May 2016	Depart Time	911
C8	16 May 2016	Air Temp (C)	16
C8	16 May 2016	Weather	Partly Cloudy
C8	16 May 2016	Visibility (mi)	7
C8	16 May 2016	Wind Speed (kts)	6
C8	16 May 2016	Wind Dir	W
C8	16 May 2016	Water Color	Greenish-Blue
C8	16 May 2016	Wave Ht Low (ft)	4
C8	16 May 2016	Wave Period (sec)	11
C8	16 May 2016	Sea State	Confused swell
C8	16 May 2016	High Tide (ft)	3.74
C8	16 May 2016	High Tide Time	640
C8	16 May 2016	Low Tide (ft)	0.8
C8	16 May 2016	Low Tide Time	1248
C8	16 May 2016	Comments	
C8	22 May 2016	Depth (m)	19
C8	22 May 2016	Arrive Time	914
C8	22 May 2016	Depart Time	920
C8	22 May 2016	Air Temp (C)	16
C8	22 May 2016	Weather	Partly Cloudy
C8	22 May 2016	Visibility (mi)	4
C8	22 May 2016	Wind Speed (kts)	4
C8	22 May 2016	Wind Dir	N
C8	22 May 2016	Water Color	Green
C8	22 May 2016	Wave Ht Low (ft)	3
C8	22 May 2016	Wave Period (sec)	9
C8	22 May 2016	Sea State	Light chop
C8	22 May 2016	High Tide (ft)	3.71
C8	22 May 2016	High Tide Time	1038
C8	22 May 2016	Low Tide (ft)	-0.45
C8	22 May 2016	Low Tide Time	429
C8	22 May 2016	Comments	Kelp
C8	31 May 2016	Depth (m)	18
C8	31 May 2016	Arrive Time	939
C8	31 May 2016	Depart Time	944
C8	31 May 2016	Air Temp (C)	16
C8	31 May 2016	Weather	Continuous layer of clouds
C8	31 May 2016	Visibility (mi)	6
C8	31 May 2016	Wind Speed (kts)	1
C8	31 May 2016	Wind Dir	W
C8	31 May 2016	Water Color	Greenish-Brown

<b>Station</b>	<b>Date</b>	<b>Parameter</b>	<b>Value</b>
C8	31 May 2016	Wave Ht Low (ft)	4
C8	31 May 2016	Wave Period (sec)	16
C8	31 May 2016	Sea State	Calm
C8	31 May 2016	High Tide (ft)	3.85
C8	31 May 2016	High Tide Time	545
C8	31 May 2016	Low Tide (ft)	0.57
C8	31 May 2016	Low Tide Time	1154
C8	31 May 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 ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A1	05 May 2016	1	17.63	85.37	7.5	33.59	8.2	24.3	0.87
A1	05 May 2016	2	17.62	85.40	7.5	33.59	8.2	24.3	0.89
A1	05 May 2016	3	17.60	85.12	7.5	33.59	8.2	24.3	0.98
A1	05 May 2016	4	17.52	84.99	7.5	33.59	8.2	24.3	1.08
A1	05 May 2016	5	17.37	84.50	7.4	33.58	8.2	24.3	1.26
A1	05 May 2016	6	17.18	84.19	7.2	33.58	8.2	24.4	1.40
A1	05 May 2016	7	16.71	84.09	7.1	33.57	8.2	24.5	1.51
A1	05 May 2016	8	16.59	84.07	7.1	33.57	8.1	24.5	1.56
A1	05 May 2016	9	16.50	84.10	7.1	33.56	8.1	24.5	1.59
A1	05 May 2016	10	16.34	84.15	7.1	33.56	8.1	24.6	1.59
A1	05 May 2016	11	16.27	84.20	7.0	33.56	8.1	24.6	1.59
A1	05 May 2016	12	15.94	84.29	6.8	33.56	8.1	24.7	1.65
A1	05 May 2016	13	15.44	84.38	6.5	33.56	8.1	24.8	1.58
A1	05 May 2016	14	14.47	84.20	6.0	33.55	8.1	25.0	1.60
A1	05 May 2016	15	13.36	83.97	5.3	33.56	8.0	25.2	1.63
A1	05 May 2016	16	12.18	83.84	4.6	33.56	7.9	25.4	1.51
A1	05 May 2016	17	12.03	83.87	4.3	33.55	7.9	25.5	1.34
A1	05 May 2016	18	11.97	83.96	4.4	33.55	7.9	25.5	1.24
A1	12 May 2016	1	15.68	80.64	6.9	33.50	8.0	24.7	2.26
A1	12 May 2016	2	15.44	80.80	6.9	33.50	8.0	24.7	2.47
A1	12 May 2016	3	15.29	80.92	6.8	33.50	8.0	24.8	2.63
A1	12 May 2016	4	14.96	81.73	6.5	33.49	8.0	24.8	2.67
A1	12 May 2016	5	14.71	82.28	6.3	33.49	8.0	24.9	2.67
A1	12 May 2016	6	14.32	82.43	6.2	33.49	8.0	25.0	2.65
A1	12 May 2016	7	14.18	82.60	6.1	33.49	8.0	25.0	2.62
A1	12 May 2016	8	14.01	82.95	6.0	33.49	8.0	25.0	2.55
A1	12 May 2016	9	13.95	83.09	6.0	33.49	8.0	25.0	2.43
A1	12 May 2016	10	13.90	83.20	5.9	33.49	8.0	25.0	2.40
A1	12 May 2016	11	13.84	83.37	5.9	33.50	8.0	25.1	2.35
A1	12 May 2016	12	13.73	83.48	5.8	33.50	8.0	25.1	2.29
A1	12 May 2016	13	13.62	83.59	5.7	33.50	8.0	25.1	2.20
A1	12 May 2016	14	13.50	83.79	5.7	33.50	7.9	25.1	2.17
A1	12 May 2016	15	13.51	83.89	5.7	33.50	7.9	25.1	2.08
A1	12 May 2016	16	13.45	84.09	5.6	33.50	7.9	25.1	2.00
A1	12 May 2016	17	13.33	84.18	5.6	33.51	7.9	25.2	1.81
A1	12 May 2016	18	13.37	84.52	5.6	33.51	7.9	25.2	1.71
A1	16 May 2016	1	16.57	79.04	8.1	33.52	8.2	24.5	2.34
A1	16 May 2016	2	16.56	78.97	8.1	33.52	8.2	24.5	2.62
A1	16 May 2016	3	16.57	78.99	8.0	33.52	8.2	24.5	2.79
A1	16 May 2016	4	16.52	78.71	8.0	33.52	8.2	24.5	2.95
A1	16 May 2016	5	16.49	78.44	8.0	33.52	8.2	24.5	3.19
A1	16 May 2016	6	16.48	78.06	7.9	33.51	8.2	24.5	3.55
A1	16 May 2016	7	16.39	78.01	7.9	33.51	8.2	24.5	3.63
A1	16 May 2016	8	16.32	77.92	7.8	33.51	8.1	24.5	3.62
A1	16 May 2016	9	16.24	77.93	7.7	33.51	8.1	24.5	3.70
A1	16 May 2016	10	16.09	78.09	7.5	33.51	8.1	24.6	3.64
A1	16 May 2016	11	15.85	78.43	7.2	33.51	8.1	24.6	3.53
A1	16 May 2016	12	15.48	79.62	7.0	33.51	8.1	24.7	3.19
A1	16 May 2016	13	15.46	80.06	6.8	33.50	8.1	24.7	2.75



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A1	16 May 2016	14	15.20	81.71	6.6	33.50	8.1	24.8	2.22
A1	16 May 2016	15	14.84	82.01	6.2	33.49	8.0	24.8	2.10
A1	16 May 2016	16	13.97	80.20	5.9	33.49	8.0	25.0	2.20
A1	16 May 2016	17	13.64	81.89	5.9	33.49	8.0	25.1	2.31
A1	16 May 2016	18	13.68	82.31	5.7	33.48	8.0	25.1	2.17
A1	16 May 2016	19	12.84	83.67	5.6	33.52	8.0	25.3	1.84
A1	22 May 2016	1	17.44	80.99	7.7	33.58	8.2	24.3	1.40
A1	22 May 2016	2	17.44	81.11	7.6	33.58	8.2	24.3	1.46
A1	22 May 2016	3	17.44	81.13	7.6	33.58	8.2	24.3	1.55
A1	22 May 2016	4	17.40	80.94	7.4	33.57	8.2	24.3	1.66
A1	22 May 2016	5	16.83	79.75	7.1	33.56	8.2	24.4	2.34
A1	22 May 2016	6	16.03	77.00	6.9	33.55	8.1	24.6	3.37
A1	22 May 2016	7	15.33	77.86	6.5	33.52	8.1	24.8	3.80
A1	22 May 2016	8	14.24	80.09	6.0	33.49	8.0	25.0	3.48
A1	22 May 2016	9	13.25	82.80	5.6	33.50	8.0	25.2	3.03
A1	22 May 2016	10	12.43	85.17	5.3	33.49	8.0	25.3	2.34
A1	22 May 2016	11	12.28	85.54	5.2	33.47	7.9	25.3	1.93
A1	22 May 2016	12	12.22	85.31	5.1	33.47	7.9	25.4	1.73
A1	22 May 2016	13	12.16	84.59	5.0	33.48	7.9	25.4	1.56
A1	22 May 2016	14	12.08	83.83	4.9	33.50	7.9	25.4	1.32
A1	22 May 2016	15	12.06	83.22	4.8	33.51	7.9	25.4	1.21
A1	22 May 2016	16	12.05	82.79	4.8	33.51	7.9	25.4	1.23
A1	22 May 2016	17	12.04	83.62	4.8	33.52	7.9	25.4	1.13
A1	22 May 2016	18	12.06	83.84	4.8	33.52	7.9	25.4	1.07
A1	31 May 2016	1	16.23	76.56	8.0	33.56	8.1	24.6	2.92
A1	31 May 2016	2	16.12	76.21	7.9	33.56	8.1	24.6	3.12
A1	31 May 2016	3	15.91	75.48	7.7	33.55	8.1	24.7	3.75
A1	31 May 2016	4	15.49	74.49	7.5	33.55	8.1	24.7	4.51
A1	31 May 2016	5	15.37	73.92	7.4	33.54	8.1	24.8	4.92
A1	31 May 2016	6	15.13	73.58	7.2	33.54	8.1	24.8	5.13
A1	31 May 2016	7	14.83	74.00	6.9	33.54	8.1	24.9	4.83
A1	31 May 2016	8	14.22	75.50	6.3	33.53	8.0	25.0	4.26
A1	31 May 2016	9	13.09	78.54	5.4	33.53	8.0	25.2	3.24
A1	31 May 2016	10	12.43	81.34	4.7	33.53	7.9	25.4	2.34
A1	31 May 2016	11	11.84	83.75	4.4	33.55	7.9	25.5	1.68
A1	31 May 2016	12	11.60	84.76	4.2	33.55	7.8	25.5	1.36
A1	31 May 2016	13	11.54	85.01	4.2	33.55	7.8	25.5	1.24
A1	31 May 2016	14	11.37	85.13	4.2	33.56	7.8	25.6	1.20
A1	31 May 2016	15	11.26	85.18	4.2	33.56	7.8	25.6	1.15
A1	31 May 2016	16	11.09	85.40	4.1	33.57	7.8	25.6	1.13
A1	31 May 2016	17	11.01	85.53	4.1	33.58	7.8	25.7	1.11
A1	31 May 2016	18	10.95	86.00	4.1	33.58	7.8	25.7	1.09
C4	05 May 2016	1	17.85	81.77	7.9	33.59	8.2	24.2	0.64
C4	05 May 2016	2	17.81	81.67	7.8	33.59	8.2	24.2	0.67
C4	05 May 2016	3	17.71	78.23	7.5	33.59	8.2	24.3	0.66
C4	05 May 2016	4	17.68	72.28	7.3	33.59	8.2	24.3	0.65
C4	05 May 2016	5	17.20	70.84	7.0	33.59	8.2	24.4	0.66
C4	05 May 2016	6	15.55	78.83	6.8	33.58	8.2	24.8	0.74
C4	05 May 2016	7	14.01	83.96	6.1	33.55	8.1	25.1	0.74
C4	05 May 2016	8	13.23	84.88	5.6	33.54	8.0	25.2	0.75
C4	05 May 2016	9	13.10	84.88	5.5	33.52	8.0	25.2	0.78
C4	05 May 2016	10	13.14	84.95	5.5	33.52	8.0	25.2	0.78

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C4	05 May 2016	11	13.13	84.95	5.6	33.53	8.0	25.2	0.78
C4	12 May 2016	1	15.96	82.32	7.0	33.51	8.1	24.6	1.48
C4	12 May 2016	2	15.89	82.18	7.0	33.51	8.1	24.6	1.66
C4	12 May 2016	3	15.87	81.87	7.0	33.51	8.1	24.6	1.85
C4	12 May 2016	4	15.83	81.15	7.0	33.51	8.1	24.6	2.18
C4	12 May 2016	5	15.64	79.92	6.9	33.51	8.1	24.7	2.78
C4	12 May 2016	6	15.25	80.47	6.6	33.51	8.1	24.8	3.42
C4	12 May 2016	7	14.70	81.96	6.2	33.51	8.0	24.9	2.92
C4	12 May 2016	8	14.49	82.96	6.0	33.50	8.0	24.9	2.43
C4	12 May 2016	9	13.58	85.16	5.5	33.52	8.0	25.1	1.57
C4	12 May 2016	10	13.70	86.01	5.6	33.51	8.0	25.1	1.42
C4	16 May 2016	1	16.64	74.55	7.5	33.53	8.1	24.5	1.73
C4	16 May 2016	2	16.64	74.70	7.5	33.53	8.1	24.5	1.78
C4	16 May 2016	3	16.63	74.66	7.5	33.53	8.1	24.5	2.03
C4	16 May 2016	4	16.61	74.59	7.5	33.53	8.1	24.5	2.68
C4	16 May 2016	5	16.61	74.27	7.5	33.53	8.1	24.5	3.07
C4	16 May 2016	6	16.59	74.20	7.5	33.53	8.1	24.5	3.29
C4	16 May 2016	7	16.55	75.25	7.4	33.53	8.1	24.5	3.25
C4	16 May 2016	8	16.53	76.20	7.4	33.53	8.1	24.5	2.60
C4	16 May 2016	9	16.52	76.32	7.4	33.53	8.1	24.5	2.24
C4	16 May 2016	10	16.51	76.23	7.4	33.53	8.1	24.5	2.11
C4	22 May 2016	1	17.70	76.00	7.6	33.57	8.2	24.2	0.76
C4	22 May 2016	2	17.61	78.20	7.5	33.57	8.2	24.3	0.82
C4	22 May 2016	3	16.69	78.41	6.9	33.55	8.2	24.5	1.01
C4	22 May 2016	4	15.15	78.99	6.6	33.53	8.1	24.8	1.28
C4	22 May 2016	5	14.96	80.46	6.3	33.50	8.1	24.8	1.43
C4	22 May 2016	6	14.55	81.79	6.1	33.49	8.0	24.9	1.35
C4	22 May 2016	7	14.20	82.96	6.0	33.49	8.0	25.0	1.17
C4	22 May 2016	8	14.11	83.26	5.8	33.49	8.0	25.0	1.03
C4	22 May 2016	9	13.90	82.77	5.7	33.48	8.0	25.0	0.88
C4	22 May 2016	10	13.88	82.04	5.7	33.49	8.0	25.0	0.81
C4	31 May 2016	1	15.77	71.36	7.7	33.55	8.1	24.7	4.38
C4	31 May 2016	2	15.66	70.47	7.7	33.55	8.1	24.7	4.95
C4	31 May 2016	3	15.59	68.63	7.6	33.55	8.1	24.7	6.38
C4	31 May 2016	4	15.52	68.98	7.3	33.55	8.1	24.7	6.60
C4	31 May 2016	5	15.01	68.98	6.8	33.55	8.1	24.8	4.80
C4	31 May 2016	6	14.51	74.78	6.6	33.54	8.1	24.9	3.80
C4	31 May 2016	7	14.41	76.26	6.5	33.53	8.0	25.0	3.46
C4	31 May 2016	8	14.15	75.50	6.0	33.53	8.0	25.0	3.19
C4	31 May 2016	9	12.99	75.10	5.1	33.53	7.9	25.3	1.96
C5	05 May 2016	1	17.80	75.93	7.6	33.59	8.2	24.2	0.58
C5	05 May 2016	2	17.79	75.39	7.5	33.60	8.2	24.2	0.60
C5	05 May 2016	3	17.77	73.83	7.5	33.60	8.2	24.3	0.61
C5	05 May 2016	4	17.71	72.04	7.4	33.59	8.2	24.3	0.62
C5	05 May 2016	5	17.58	71.75	7.3	33.59	8.2	24.3	0.64
C5	05 May 2016	6	16.54	77.21	7.3	33.58	8.2	24.5	0.70
C5	05 May 2016	7	16.00	81.10	6.9	33.56	8.2	24.6	0.77
C5	05 May 2016	8	13.86	84.01	6.2	33.56	8.1	25.1	0.81
C5	05 May 2016	9	13.37	84.81	5.8	33.53	8.0	25.2	0.78
C5	05 May 2016	10	13.34	84.86	5.8	33.52	8.0	25.2	0.78

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C5	05 May 2016	11	13.27	84.86	5.8	33.53	8.0	25.2	0.80
C5	12 May 2016	1	16.26	68.41	6.8	33.51	8.1	24.5	1.23
C5	12 May 2016	2	15.93	66.01	6.8	33.51	8.1	24.6	1.37
C5	12 May 2016	3	15.70	78.84	6.7	33.50	8.1	24.7	1.75
C5	12 May 2016	4	14.61	80.54	6.2	33.52	8.0	24.9	2.26
C5	12 May 2016	5	14.02	83.58	5.8	33.50	8.0	25.0	1.98
C5	12 May 2016	6	13.85	84.67	5.7	33.49	8.0	25.1	1.77
C5	12 May 2016	7	13.64	85.65	5.4	33.50	7.9	25.1	1.56
C5	12 May 2016	8	13.52	86.40	5.2	33.50	7.9	25.1	1.29
C5	12 May 2016	9	13.21	86.79	5.1	33.51	7.9	25.2	1.18
C5	16 May 2016	1	16.77	73.02	7.6	33.53	8.2	24.4	0.96
C5	16 May 2016	2	16.77	65.99	7.6	33.53	8.2	24.4	0.96
C5	16 May 2016	3	16.74	71.52	7.6	33.53	8.2	24.4	1.05
C5	16 May 2016	4	16.67	78.87	7.6	33.52	8.2	24.5	1.17
C5	16 May 2016	5	16.64	79.93	7.6	33.52	8.2	24.5	1.24
C5	16 May 2016	6	16.63	80.47	7.7	33.52	8.2	24.5	1.31
C5	16 May 2016	7	16.62	80.60	7.7	33.52	8.2	24.5	1.36
C5	16 May 2016	8	16.56	80.64	7.7	33.52	8.2	24.5	1.31
C5	16 May 2016	9	16.51	77.49	7.7	33.52	8.2	24.5	1.23
C5	22 May 2016	1	17.96	78.45	7.5	33.59	8.2	24.2	0.73
C5	22 May 2016	2	17.89	78.48	7.5	33.58	8.2	24.2	0.75
C5	22 May 2016	3	17.62	78.67	7.5	33.58	8.2	24.3	0.84
C5	22 May 2016	4	17.47	78.82	7.2	33.57	8.2	24.3	0.93
C5	22 May 2016	5	16.35	80.23	6.8	33.54	8.2	24.5	0.92
C5	22 May 2016	6	15.86	83.30	6.9	33.52	8.1	24.6	0.85
C5	22 May 2016	7	15.54	82.41	6.5	33.52	8.1	24.7	0.88
C5	22 May 2016	8	14.33	78.90	6.2	33.50	8.0	25.0	0.86
C5	22 May 2016	9	14.08	76.02	6.2	33.48	8.0	25.0	1.16
C5	22 May 2016	10	14.04	74.62	6.2	33.48	8.0	25.0	0.92
C5	31 May 2016	1	16.84	75.93	8.4	33.58	8.2	24.5	3.20
C5	31 May 2016	2	16.84	74.44	8.4	33.58	8.2	24.5	3.33
C5	31 May 2016	3	16.43	71.60	8.4	33.57	8.2	24.6	6.56
C5	31 May 2016	4	16.21	64.60	8.3	33.56	8.2	24.6	10.99
C5	31 May 2016	5	15.93	65.81	7.8	33.56	8.2	24.7	11.53
C5	31 May 2016	6	14.94	73.53	6.7	33.56	8.1	24.9	8.41
C5	31 May 2016	7	14.30	78.09	5.9	33.56	8.0	25.0	4.58
C5	31 May 2016	8	14.16	78.73	5.6	33.54	8.0	25.0	2.38
C5	31 May 2016	9	13.22	80.53	5.3	33.60	7.9	25.3	1.80
A6	05 May 2016	1	18.15	85.36	7.7	33.60	8.2	24.2	0.77
A6	05 May 2016	2	18.12	85.32	7.7	33.60	8.2	24.2	0.82
A6	05 May 2016	3	18.03	84.78	7.8	33.59	8.2	24.2	0.93
A6	05 May 2016	4	17.99	84.24	7.8	33.59	8.2	24.2	1.05
A6	05 May 2016	5	17.91	83.74	7.8	33.59	8.2	24.2	1.15
A6	05 May 2016	6	17.84	83.11	7.8	33.58	8.2	24.2	1.31
A6	05 May 2016	7	17.83	82.97	7.8	33.58	8.2	24.2	1.43
A6	05 May 2016	8	17.82	82.86	7.8	33.58	8.2	24.2	1.51
A6	05 May 2016	9	17.81	82.62	7.7	33.58	8.2	24.2	1.60
A6	05 May 2016	10	17.76	82.77	7.7	33.58	8.2	24.2	1.61
A6	05 May 2016	11	17.64	82.72	7.7	33.58	8.2	24.3	1.67
A6	05 May 2016	12	17.37	82.49	7.7	33.57	8.2	24.3	1.85

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A6	05 May 2016	13	16.93	82.42	7.6	33.56	8.2	24.4	2.00
A6	05 May 2016	14	16.61	82.48	7.6	33.55	8.2	24.5	2.07
A6	05 May 2016	15	16.49	82.60	7.4	33.55	8.2	24.5	2.13
A6	05 May 2016	16	15.81	82.70	7.0	33.54	8.2	24.7	2.16
A6	05 May 2016	17	14.90	83.73	6.7	33.53	8.1	24.9	2.02
A6	05 May 2016	18	15.20	84.11	6.3	33.52	8.1	24.8	1.90
A6	12 May 2016	1	15.70	81.79	6.9	33.50	8.1	24.7	2.16
A6	12 May 2016	2	15.70	81.81	6.9	33.50	8.1	24.7	2.27
A6	12 May 2016	3	15.67	81.79	6.8	33.50	8.1	24.7	2.45
A6	12 May 2016	4	15.41	79.75	6.7	33.51	8.0	24.7	3.50
A6	12 May 2016	5	15.20	79.95	6.6	33.50	8.0	24.8	4.17
A6	12 May 2016	6	14.88	80.63	6.4	33.50	8.0	24.8	4.10
A6	12 May 2016	7	14.56	81.12	6.2	33.50	8.0	24.9	3.67
A6	12 May 2016	8	14.33	81.20	6.1	33.50	8.0	25.0	3.55
A6	12 May 2016	9	14.31	81.25	6.1	33.50	8.0	25.0	3.54
A6	12 May 2016	10	14.28	81.26	6.1	33.50	8.0	25.0	3.58
A6	12 May 2016	11	14.27	81.37	6.0	33.50	8.0	25.0	3.59
A6	12 May 2016	12	14.22	81.51	6.0	33.50	8.0	25.0	3.54
A6	12 May 2016	13	14.15	81.50	6.0	33.50	8.0	25.0	3.51
A6	12 May 2016	14	13.94	82.23	5.8	33.51	8.0	25.0	3.01
A6	12 May 2016	15	13.80	82.51	5.7	33.51	8.0	25.1	2.74
A6	12 May 2016	16	13.64	83.25	5.6	33.51	8.0	25.1	2.42
A6	12 May 2016	17	13.24	83.93	5.2	33.51	7.9	25.2	2.09
A6	12 May 2016	18	12.90	84.01	5.0	33.52	7.9	25.3	1.70
A6	16 May 2016	1	16.83	77.86	7.8	33.53	8.2	24.4	1.49
A6	16 May 2016	2	16.82	79.80	7.8	33.53	8.2	24.4	1.56
A6	16 May 2016	3	16.82	80.27	7.8	33.53	8.2	24.4	1.69
A6	16 May 2016	4	16.81	80.64	7.7	33.53	8.2	24.4	1.91
A6	16 May 2016	5	16.80	80.56	7.7	33.53	8.2	24.4	2.03
A6	16 May 2016	6	16.80	80.42	7.8	33.53	8.2	24.4	2.22
A6	16 May 2016	7	16.80	80.49	7.7	33.53	8.2	24.4	2.18
A6	16 May 2016	8	16.77	80.76	7.7	33.53	8.2	24.4	2.16
A6	16 May 2016	9	16.76	80.74	7.7	33.53	8.2	24.4	2.30
A6	16 May 2016	10	16.56	81.08	7.3	33.52	8.2	24.5	2.14
A6	16 May 2016	11	15.91	82.00	6.7	33.50	8.1	24.6	1.98
A6	16 May 2016	12	14.02	82.52	6.2	33.54	8.1	25.1	1.86
A6	16 May 2016	13	13.40	84.15	5.9	33.48	8.0	25.1	1.72
A6	16 May 2016	14	13.00	84.71	5.8	33.48	8.0	25.2	1.90
A6	16 May 2016	15	12.89	84.74	5.8	33.47	8.0	25.2	2.05
A6	16 May 2016	16	12.87	84.73	5.8	33.47	8.0	25.2	2.21
A6	16 May 2016	17	12.82	84.57	5.8	33.47	8.0	25.2	2.12
A6	16 May 2016	18	12.80	84.81	5.7	33.47	8.0	25.2	1.97
A6	16 May 2016	19	12.79	84.65	5.7	33.48	8.0	25.3	1.95
A6	16 May 2016	20	12.79	84.64	5.7	33.48	8.0	25.3	2.06
A6	16 May 2016	21	12.76	84.84	5.7	33.48	8.0	25.3	1.92
A6	22 May 2016	1	17.72	79.05	7.5	33.58	8.2	24.3	1.26
A6	22 May 2016	2	17.72	79.77	7.5	33.58	8.2	24.3	1.33
A6	22 May 2016	3	17.57	80.08	7.3	33.58	8.2	24.3	1.45
A6	22 May 2016	4	16.91	79.91	6.9	33.57	8.2	24.4	1.72
A6	22 May 2016	5	15.92	80.66	6.4	33.54	8.1	24.6	1.85
A6	22 May 2016	6	14.56	83.35	5.9	33.52	8.1	24.9	1.47
A6	22 May 2016	7	13.86	83.91	5.7	33.50	8.0	25.1	1.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A6	22 May 2016	8	13.42	83.62	5.6	33.48	8.0	25.1	1.43
A6	22 May 2016	9	13.11	83.45	5.5	33.48	8.0	25.2	1.70
A6	22 May 2016	10	12.96	83.84	5.4	33.47	8.0	25.2	1.89
A6	22 May 2016	11	12.80	84.65	5.3	33.48	8.0	25.3	1.57
A6	22 May 2016	12	12.70	84.80	5.2	33.48	8.0	25.3	1.41
A6	22 May 2016	13	12.62	84.84	5.2	33.48	7.9	25.3	1.36
A6	22 May 2016	14	12.61	84.86	5.1	33.49	7.9	25.3	1.32
A6	22 May 2016	15	12.61	84.98	5.1	33.49	7.9	25.3	1.25
A6	22 May 2016	16	12.53	85.01	5.0	33.50	7.9	25.3	1.19
A6	22 May 2016	17	12.42	84.86	5.0	33.50	7.9	25.3	1.08
A6	22 May 2016	18	12.35	84.85	4.9	33.50	7.9	25.4	1.04
A6	22 May 2016	19	12.29	84.80	4.9	33.51	7.9	25.4	0.98
A6	22 May 2016	20	12.28	84.65	4.9	33.51	7.9	25.4	0.96
A6	31 May 2016	1	16.16	71.53	8.2	33.57	8.2	24.6	6.33
A6	31 May 2016	2	16.10	71.33	8.2	33.57	8.2	24.6	7.00
A6	31 May 2016	3	15.94	70.50	8.0	33.57	8.2	24.7	8.57
A6	31 May 2016	4	15.71	67.17	7.8	33.56	8.2	24.7	11.02
A6	31 May 2016	5	15.54	65.88	7.6	33.56	8.1	24.7	11.84
A6	31 May 2016	6	15.31	66.66	7.4	33.55	8.1	24.8	11.00
A6	31 May 2016	7	15.16	67.27	7.4	33.55	8.1	24.8	10.61
A6	31 May 2016	8	15.12	67.46	7.2	33.55	8.1	24.8	10.16
A6	31 May 2016	9	14.79	68.51	6.9	33.54	8.1	24.9	9.33
A6	31 May 2016	10	14.24	69.70	6.7	33.55	8.1	25.0	8.06
A6	31 May 2016	11	14.01	72.35	6.4	33.54	8.0	25.1	6.89
A6	31 May 2016	12	13.67	74.71	6.0	33.55	8.0	25.1	6.11
A6	31 May 2016	13	12.90	78.45	5.4	33.56	8.0	25.3	4.62
A6	31 May 2016	14	12.20	80.68	4.9	33.55	7.9	25.4	3.54
A6	31 May 2016	15	11.68	82.53	4.6	33.56	7.9	25.5	2.70
A6	31 May 2016	16	11.34	84.37	4.3	33.56	7.8	25.6	1.91
A6	31 May 2016	17	11.09	84.55	4.1	33.56	7.8	25.6	1.41
A6	31 May 2016	18	11.07	84.36	4.0	33.56	7.8	25.6	1.19
C6	05 May 2016	1	18.40	82.40	7.5	33.60	8.2	24.1	0.62
C6	05 May 2016	2	18.38	82.43	7.5	33.60	8.2	24.1	0.65
C6	05 May 2016	3	18.25	82.50	7.4	33.60	8.2	24.1	0.68
C6	05 May 2016	4	17.81	82.97	7.2	33.59	8.2	24.2	0.72
C6	05 May 2016	5	15.62	84.80	7.0	33.56	8.2	24.7	0.68
C6	05 May 2016	6	14.66	85.74	6.6	33.53	8.1	24.9	0.68
C6	05 May 2016	7	14.17	85.44	6.1	33.52	8.1	25.0	0.71
C6	05 May 2016	8	13.86	85.27	5.9	33.53	8.0	25.1	0.72
C6	05 May 2016	9	13.33	85.10	5.7	33.53	8.0	25.2	0.77
C6	05 May 2016	10	13.04	85.02	5.6	33.53	8.0	25.2	0.83
C6	12 May 2016	1	15.75	82.73	6.9	33.50	8.1	24.7	1.67
C6	12 May 2016	2	15.73	82.68	6.9	33.50	8.1	24.7	1.70
C6	12 May 2016	3	15.63	82.48	6.7	33.51	8.1	24.7	1.91
C6	12 May 2016	4	15.09	81.39	6.3	33.51	8.0	24.8	2.23
C6	12 May 2016	5	14.17	84.01	5.8	33.52	8.0	25.0	2.01
C6	12 May 2016	6	13.76	81.73	5.5	33.51	8.0	25.1	1.68
C6	12 May 2016	7	13.53	77.56	5.3	33.50	7.9	25.1	1.48
C6	12 May 2016	8	13.42	78.99	5.2	33.50	7.9	25.1	1.39
C6	12 May 2016	9	13.17	82.12	5.1	33.51	7.9	25.2	1.35
C6	16 May 2016	1	16.89	78.66	7.2	33.53	8.2	24.4	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C6	16 May 2016	2	16.90	79.16	7.2	33.53	8.2	24.4	0.34
C6	16 May 2016	3	16.89	79.88	7.2	33.53	8.2	24.4	0.34
C6	16 May 2016	4	16.85	78.19	7.1	33.55	8.2	24.4	0.42
C6	16 May 2016	5	16.83	78.47	7.2	33.55	8.2	24.4	0.94
C6	16 May 2016	6	16.81	78.89	7.0	33.55	8.2	24.4	0.95
C6	16 May 2016	7	16.80	79.21	7.1	33.55	8.2	24.4	1.01
C6	16 May 2016	8	16.66	80.34	6.9	33.63	8.2	24.5	1.06
C6	16 May 2016	9	16.57	80.39	7.0	33.61	8.1	24.5	1.11
C6	22 May 2016	1	17.99	77.07	7.6	33.56	8.2	24.2	0.76
C6	22 May 2016	2	17.96	77.88	7.6	33.58	8.2	24.2	0.77
C6	22 May 2016	3	17.86	77.98	7.5	33.58	8.2	24.2	0.87
C6	22 May 2016	4	17.73	77.94	7.5	33.58	8.2	24.2	0.97
C6	22 May 2016	5	17.59	77.84	7.4	33.58	8.2	24.3	1.02
C6	22 May 2016	6	17.49	77.88	7.1	33.57	8.2	24.3	1.10
C6	22 May 2016	7	15.98	77.96	6.3	33.56	8.1	24.6	1.00
C6	22 May 2016	8	14.76	78.99	6.0	33.51	8.0	24.9	0.83
C6	22 May 2016	9	14.69	78.76	5.9	33.49	8.0	24.9	0.78
C6	22 May 2016	10	14.03	77.22	5.9	33.49	8.0	25.0	0.74
C6	31 May 2016	1	16.89	69.55	7.7	33.58	8.2	24.5	3.85
C6	31 May 2016	2	16.76	67.02	7.8	33.58	8.2	24.5	8.01
C6	31 May 2016	3	16.42	61.12	7.6	33.58	8.2	24.6	14.69
C6	31 May 2016	4	15.96	63.84	7.2	33.56	8.2	24.7	10.90
C6	31 May 2016	5	15.32	69.16	6.7	33.56	8.1	24.8	6.38
C6	31 May 2016	6	14.62	73.46	6.1	33.55	8.1	24.9	3.50
C6	31 May 2016	7	13.64	77.70	5.3	33.54	8.0	25.1	2.20
C6	31 May 2016	8	12.83	80.07	4.9	33.54	7.9	25.3	1.30
C6	31 May 2016	9	12.78	82.11	4.8	33.53	7.9	25.3	1.03
A7	05 May 2016	1	17.93	85.38	7.8	33.59	8.2	24.2	0.92
A7	05 May 2016	2	17.86	85.26	7.7	33.59	8.2	24.2	1.00
A7	05 May 2016	3	17.77	84.90	7.8	33.59	8.2	24.2	1.09
A7	05 May 2016	4	17.88	84.91	7.8	33.59	8.2	24.2	1.10
A7	05 May 2016	5	17.88	85.15	7.7	33.59	8.2	24.2	1.08
A7	05 May 2016	6	17.81	85.12	7.6	33.59	8.2	24.2	1.11
A7	05 May 2016	7	17.37	84.68	7.6	33.58	8.2	24.3	1.33
A7	05 May 2016	8	17.20	83.94	7.6	33.57	8.2	24.4	1.48
A7	05 May 2016	9	17.26	83.89	7.5	33.56	8.2	24.4	1.53
A7	05 May 2016	10	16.94	83.94	7.5	33.56	8.2	24.4	1.60
A7	05 May 2016	11	16.71	83.97	7.2	33.56	8.2	24.5	1.68
A7	05 May 2016	12	15.87	84.05	6.8	33.56	8.1	24.7	1.70
A7	05 May 2016	13	14.77	84.13	6.2	33.55	8.1	24.9	1.73
A7	05 May 2016	14	13.16	84.07	5.3	33.54	8.0	25.2	1.75
A7	05 May 2016	15	12.09	83.65	4.5	33.55	7.9	25.4	1.64
A7	05 May 2016	16	11.93	83.50	4.2	33.54	7.9	25.5	1.39
A7	05 May 2016	17	11.87	83.48	4.2	33.57	7.9	25.5	1.70
A7	05 May 2016	18	11.85	82.84	4.2	33.56	7.9	25.5	2.91
A7	05 May 2016	19	11.84	81.39	4.2	33.56	7.9	25.5	1.81
A7	12 May 2016	1	15.61	80.97	7.0	33.50	8.1	24.7	2.78
A7	12 May 2016	2	15.36	80.15	6.7	33.49	8.1	24.7	2.93
A7	12 May 2016	3	14.33	81.23	6.4	33.50	8.0	25.0	2.97
A7	12 May 2016	4	14.17	82.30	6.4	33.49	8.0	25.0	2.91
A7	12 May 2016	5	13.99	83.00	6.2	33.48	8.0	25.0	2.75

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A7	12 May 2016	6	13.90	83.43	6.1	33.48	8.0	25.0	2.52
A7	12 May 2016	7	13.80	83.73	6.0	33.48	8.0	25.1	2.49
A7	12 May 2016	8	13.75	83.92	6.0	33.48	8.0	25.1	2.37
A7	12 May 2016	9	13.71	84.07	5.9	33.48	8.0	25.1	2.33
A7	12 May 2016	10	13.56	84.14	5.9	33.49	8.0	25.1	2.27
A7	12 May 2016	11	13.50	84.16	5.8	33.49	8.0	25.1	2.22
A7	12 May 2016	12	13.44	84.21	5.7	33.49	8.0	25.1	2.13
A7	12 May 2016	13	13.43	84.36	5.7	33.50	8.0	25.1	2.08
A7	12 May 2016	14	13.43	84.52	5.7	33.50	8.0	25.1	2.04
A7	12 May 2016	15	13.32	84.66	5.5	33.50	7.9	25.2	1.97
A7	12 May 2016	16	13.07	84.73	5.2	33.50	7.9	25.2	1.79
A7	12 May 2016	17	12.41	84.99	4.8	33.53	7.9	25.4	1.51
A7	12 May 2016	18	12.05	85.51	4.5	33.53	7.8	25.4	1.18
A7	12 May 2016	19	11.97	85.63	4.4	33.53	7.8	25.4	1.07
A7	16 May 2016	1	16.45	77.69	7.9	33.52	8.1	24.5	2.41
A7	16 May 2016	2	16.45	77.66	7.9	33.52	8.1	24.5	2.30
A7	16 May 2016	3	16.43	77.52	7.8	33.52	8.2	24.5	2.54
A7	16 May 2016	4	16.43	77.31	7.9	33.52	8.2	24.5	2.88
A7	16 May 2016	5	16.40	77.24	7.8	33.52	8.2	24.5	3.31
A7	16 May 2016	6	16.39	77.08	7.8	33.52	8.2	24.5	3.65
A7	16 May 2016	7	16.37	77.09	7.8	33.52	8.1	24.5	3.82
A7	16 May 2016	8	16.34	76.92	7.7	33.52	8.1	24.5	3.89
A7	16 May 2016	9	16.14	76.75	7.5	33.52	8.1	24.6	4.15
A7	16 May 2016	10	16.03	76.49	7.4	33.51	8.1	24.6	4.65
A7	16 May 2016	11	15.82	76.32	7.1	33.51	8.1	24.6	4.75
A7	16 May 2016	12	15.32	78.14	6.7	33.51	8.1	24.8	4.23
A7	16 May 2016	13	14.72	80.38	6.5	33.51	8.1	24.9	2.85
A7	16 May 2016	14	14.54	81.86	6.3	33.49	8.0	24.9	2.36
A7	16 May 2016	15	13.88	83.04	6.0	33.50	8.0	25.1	2.13
A7	16 May 2016	16	13.15	83.85	5.8	33.49	8.0	25.2	1.96
A7	16 May 2016	17	13.11	84.62	5.7	33.48	8.0	25.2	1.71
A7	16 May 2016	18	13.05	84.72	5.7	33.48	8.0	25.2	1.70
A7	22 May 2016	1	17.58	78.88	7.6	33.57	8.2	24.3	1.39
A7	22 May 2016	2	17.58	80.14	7.6	33.58	8.2	24.3	1.44
A7	22 May 2016	3	17.58	80.27	7.6	33.58	8.2	24.3	1.52
A7	22 May 2016	4	17.47	80.19	7.4	33.58	8.2	24.3	1.65
A7	22 May 2016	5	17.23	80.27	7.2	33.57	8.2	24.4	1.81
A7	22 May 2016	6	15.95	79.06	6.8	33.55	8.1	24.6	2.27
A7	22 May 2016	7	14.63	75.74	6.9	33.50	8.1	24.9	3.92
A7	22 May 2016	8	13.84	74.56	7.1	33.46	8.1	25.0	5.56
A7	22 May 2016	9	13.62	74.65	7.1	33.44	8.1	25.1	6.38
A7	22 May 2016	10	13.53	75.50	7.0	33.44	8.1	25.1	6.62
A7	22 May 2016	11	13.41	76.61	6.7	33.45	8.1	25.1	6.07
A7	22 May 2016	12	13.39	78.70	6.5	33.46	8.0	25.1	5.23
A7	22 May 2016	13	13.28	82.36	5.8	33.48	8.0	25.2	4.02
A7	22 May 2016	14	12.91	84.45	5.3	33.50	8.0	25.2	2.82
A7	22 May 2016	15	12.86	85.04	5.2	33.49	7.9	25.2	1.86
A7	22 May 2016	16	12.46	85.31	5.1	33.50	7.9	25.3	1.67
A7	22 May 2016	17	12.27	85.44	5.0	33.50	7.9	25.4	1.41
A7	22 May 2016	18	12.16	85.47	5.0	33.50	7.9	25.4	1.29
A7	22 May 2016	19	12.11	85.59	4.9	33.50	7.9	25.4	1.24
A7	22 May 2016	20	11.99	85.48	4.9	33.51	7.9	25.4	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A7	31 May 2016	1	16.61	76.55	8.2	33.56	8.2	24.5	2.86
A7	31 May 2016	2	16.49	76.01	8.1	33.56	8.2	24.5	3.14
A7	31 May 2016	3	16.18	74.34	8.1	33.56	8.2	24.6	4.28
A7	31 May 2016	4	16.09	72.91	8.0	33.55	8.2	24.6	4.86
A7	31 May 2016	5	15.85	73.01	7.8	33.55	8.2	24.7	5.04
A7	31 May 2016	6	15.60	72.67	7.7	33.54	8.1	24.7	5.43
A7	31 May 2016	7	15.55	72.52	7.7	33.54	8.1	24.7	5.61
A7	31 May 2016	8	15.49	72.66	7.6	33.54	8.1	24.7	5.68
A7	31 May 2016	9	15.38	72.74	7.3	33.54	8.1	24.8	5.76
A7	31 May 2016	10	15.03	73.66	6.8	33.54	8.1	24.8	5.54
A7	31 May 2016	11	14.13	75.66	6.4	33.55	8.1	25.0	4.52
A7	31 May 2016	12	13.63	78.47	5.9	33.53	8.0	25.1	3.63
A7	31 May 2016	13	13.00	80.63	5.4	33.54	8.0	25.3	2.85
A7	31 May 2016	14	12.60	82.12	5.1	33.54	7.9	25.3	2.43
A7	31 May 2016	15	12.29	83.28	4.8	33.54	7.9	25.4	2.06
A7	31 May 2016	16	11.94	83.86	4.6	33.54	7.9	25.5	1.78
A7	31 May 2016	17	11.88	83.93	4.5	33.54	7.9	25.5	1.60
A7	31 May 2016	18	11.91	84.03	4.5	33.54	7.9	25.5	1.55
A7	31 May 2016	19	11.80	83.94	4.5	33.55	7.8	25.5	1.53
C7	05 May 2016	1	18.29	82.74	7.8	33.60	8.2	24.1	1.03
C7	05 May 2016	2	18.25	82.81	7.8	33.60	8.2	24.1	1.07
C7	05 May 2016	3	18.24	82.71	7.8	33.60	8.2	24.1	1.13
C7	05 May 2016	4	18.23	82.79	7.8	33.60	8.2	24.1	1.23
C7	05 May 2016	5	18.22	82.74	7.8	33.60	8.2	24.1	1.25
C7	05 May 2016	6	18.21	82.76	7.8	33.60	8.2	24.1	1.26
C7	05 May 2016	7	18.20	82.81	7.8	33.60	8.2	24.1	1.31
C7	05 May 2016	8	18.18	82.77	7.8	33.59	8.2	24.2	1.33
C7	05 May 2016	9	18.14	82.56	7.7	33.59	8.2	24.2	1.40
C7	05 May 2016	10	17.98	82.57	7.7	33.59	8.2	24.2	1.51
C7	05 May 2016	11	17.43	82.14	7.8	33.57	8.2	24.3	1.87
C7	05 May 2016	12	16.85	81.10	7.6	33.55	8.2	24.4	2.48
C7	05 May 2016	13	15.39	80.03	7.1	33.53	8.2	24.8	3.18
C7	05 May 2016	14	14.14	82.08	6.4	33.51	8.1	25.0	2.62
C7	05 May 2016	15	13.38	83.76	6.0	33.49	8.1	25.1	2.46
C7	05 May 2016	16	12.69	83.58	5.5	33.49	8.0	25.3	2.51
C7	05 May 2016	17	12.23	83.79	5.0	33.52	8.0	25.4	2.17
C7	05 May 2016	18	12.10	85.26	4.8	33.52	7.9	25.4	1.64
C7	05 May 2016	19	12.08	85.63	4.8	33.53	7.9	25.4	1.47
C7	12 May 2016	1	15.88	79.37	7.1	33.51	8.1	24.6	2.47
C7	12 May 2016	2	15.85	79.46	7.0	33.51	8.1	24.6	2.51
C7	12 May 2016	3	15.57	79.97	6.9	33.51	8.1	24.7	2.77
C7	12 May 2016	4	15.51	80.44	6.8	33.50	8.1	24.7	2.97
C7	12 May 2016	5	14.83	81.09	6.5	33.51	8.0	24.9	3.16
C7	12 May 2016	6	14.77	82.17	6.4	33.49	8.0	24.9	3.07
C7	12 May 2016	7	14.07	83.07	6.0	33.51	8.0	25.0	2.85
C7	12 May 2016	8	13.97	83.59	5.8	33.50	8.0	25.0	2.51
C7	12 May 2016	9	13.77	84.08	5.7	33.50	8.0	25.1	2.33
C7	12 May 2016	10	13.57	84.35	5.6	33.50	7.9	25.1	2.16
C7	12 May 2016	11	13.42	84.69	5.4	33.50	7.9	25.1	2.05
C7	12 May 2016	12	13.22	85.13	5.3	33.50	7.9	25.2	1.91
C7	12 May 2016	13	13.08	85.33	5.2	33.50	7.9	25.2	1.81
C7	12 May 2016	14	12.74	85.58	5.0	33.51	7.9	25.3	1.66
C7	12 May 2016	15	12.62	85.77	4.9	33.51	7.9	25.3	1.57



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C7	12 May 2016	16	12.19	86.22	4.8	33.52	7.9	25.4	1.44
C7	12 May 2016	17	12.15	86.74	4.8	33.51	7.9	25.4	1.29
C7	12 May 2016	18	12.15	86.93	4.8	33.51	7.9	25.4	1.23
C7	16 May 2016	1	16.93	83.12	8.0	33.53	8.2	24.4	1.04
C7	16 May 2016	2	16.93	83.09	8.0	33.53	8.2	24.4	1.07
C7	16 May 2016	3	16.93	83.17	7.9	33.53	8.2	24.4	1.15
C7	16 May 2016	4	16.93	83.12	8.0	33.53	8.2	24.4	1.29
C7	16 May 2016	5	16.92	83.05	7.9	33.53	8.2	24.4	1.38
C7	16 May 2016	6	16.92	83.00	7.9	33.53	8.2	24.4	1.46
C7	16 May 2016	7	16.91	82.99	8.0	33.53	8.2	24.4	1.55
C7	16 May 2016	8	16.90	83.02	7.9	33.53	8.2	24.4	1.65
C7	16 May 2016	9	16.87	82.95	7.8	33.53	8.2	24.4	1.69
C7	16 May 2016	10	16.86	82.50	7.8	33.53	8.2	24.4	1.72
C7	16 May 2016	11	16.83	83.61	7.8	33.53	8.2	24.4	1.74
C7	16 May 2016	12	16.55	83.84	7.2	33.53	8.2	24.5	1.71
C7	16 May 2016	13	14.78	84.25	6.4	33.53	8.1	24.9	1.73
C7	16 May 2016	14	13.47	84.48	6.0	33.50	8.0	25.1	1.90
C7	16 May 2016	15	13.24	84.89	5.9	33.48	8.0	25.2	2.06
C7	16 May 2016	16	13.04	85.22	5.8	33.47	8.0	25.2	2.11
C7	16 May 2016	17	12.78	86.13	5.7	33.48	8.0	25.3	1.81
C7	16 May 2016	18	12.74	86.43	5.6	33.47	8.0	25.3	1.44
C7	22 May 2016	1	18.20	77.93	7.7	33.57	8.2	24.1	1.26
C7	22 May 2016	2	18.21	78.31	7.7	33.59	8.2	24.1	1.28
C7	22 May 2016	3	18.20	79.29	7.6	33.59	8.2	24.1	1.28
C7	22 May 2016	4	18.14	79.71	7.7	33.59	8.2	24.2	1.41
C7	22 May 2016	5	18.05	79.19	7.7	33.59	8.2	24.2	1.74
C7	22 May 2016	6	18.01	79.02	7.7	33.59	8.2	24.2	1.96
C7	22 May 2016	7	17.90	78.83	7.5	33.58	8.2	24.2	2.15
C7	22 May 2016	8	17.87	77.98	7.6	33.58	8.2	24.2	2.43
C7	22 May 2016	9	17.45	76.53	7.5	33.57	8.2	24.3	2.54
C7	22 May 2016	10	16.56	78.01	7.2	33.55	8.2	24.5	2.87
C7	22 May 2016	11	16.07	78.53	7.1	33.51	8.1	24.6	2.97
C7	22 May 2016	12	14.92	79.59	6.6	33.52	8.1	24.8	2.68
C7	22 May 2016	13	14.39	80.75	6.1	33.49	8.1	24.9	2.16
C7	22 May 2016	14	13.93	81.55	5.8	33.49	8.0	25.0	1.73
C7	22 May 2016	15	13.92	82.06	5.6	33.47	8.0	25.0	1.49
C7	22 May 2016	16	13.25	82.87	5.3	33.49	8.0	25.2	1.35
C7	22 May 2016	17	12.93	83.58	5.1	33.48	7.9	25.2	1.13
C7	22 May 2016	18	12.97	83.97	5.0	33.48	7.9	25.2	1.08
C7	31 May 2016	1	16.38	73.25	7.5	33.57	8.1	24.6	1.37
C7	31 May 2016	2	16.29	72.97	7.5	33.57	8.1	24.6	1.68
C7	31 May 2016	3	16.10	70.74	7.4	33.57	8.1	24.6	2.97
C7	31 May 2016	4	15.64	69.99	7.3	33.57	8.1	24.7	4.85
C7	31 May 2016	5	15.18	72.17	7.0	33.56	8.1	24.8	5.18
C7	31 May 2016	6	14.65	75.66	6.8	33.55	8.1	24.9	4.63
C7	31 May 2016	7	14.39	76.85	6.6	33.55	8.1	25.0	3.98
C7	31 May 2016	8	13.89	78.22	6.4	33.54	8.0	25.1	3.67
C7	31 May 2016	9	13.41	79.26	6.1	33.54	8.0	25.2	3.36
C7	31 May 2016	10	12.85	80.59	5.6	33.53	8.0	25.3	2.99
C7	31 May 2016	11	12.35	82.14	5.1	33.53	8.0	25.4	2.53
C7	31 May 2016	12	11.65	84.16	4.6	33.55	7.9	25.5	1.94
C7	31 May 2016	13	11.61	85.16	4.4	33.55	7.8	25.5	1.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C7	31 May 2016	14	11.29	85.28	4.3	33.57	7.8	25.6	1.36
C7	31 May 2016	15	11.24	85.40	4.1	33.57	7.8	25.6	1.10
C7	31 May 2016	16	11.23	85.61	4.1	33.57	7.8	25.6	0.94
C7	31 May 2016	17	11.20	85.56	4.1	33.58	7.8	25.6	0.88
C7	31 May 2016	18	11.17	85.41	4.1	33.58	7.8	25.6	0.88
C8	05 May 2016	1	18.61	78.28	6.9	33.60	8.2	24.1	1.36
C8	05 May 2016	2	18.61	78.18	7.5	33.60	8.2	24.1	1.30
C8	05 May 2016	3	18.60	78.25	7.5	33.60	8.2	24.1	1.28
C8	05 May 2016	4	18.57	78.81	7.5	33.62	8.2	24.1	1.28
C8	05 May 2016	5	18.50	80.54	7.6	33.62	8.2	24.1	1.27
C8	05 May 2016	6	18.43	81.77	7.6	33.61	8.2	24.1	1.26
C8	05 May 2016	7	18.37	82.13	7.7	33.61	8.2	24.1	1.24
C8	05 May 2016	8	18.27	82.08	7.7	33.61	8.2	24.1	1.24
C8	05 May 2016	9	17.97	81.86	7.7	33.62	8.2	24.2	1.33
C8	05 May 2016	10	17.61	81.08	7.9	33.58	8.2	24.3	1.57
C8	05 May 2016	11	17.58	80.96	7.9	33.57	8.2	24.3	1.85
C8	05 May 2016	12	16.86	80.68	7.7	33.60	8.2	24.5	2.07
C8	05 May 2016	13	15.87	77.45	7.8	33.57	8.2	24.7	2.97
C8	05 May 2016	14	15.27	75.01	7.6	33.55	8.2	24.8	4.71
C8	05 May 2016	15	14.86	75.71	7.4	33.52	8.2	24.9	5.55
C8	05 May 2016	16	14.30	77.52	7.0	33.52	8.1	25.0	5.38
C8	05 May 2016	17	13.35	80.89	6.2	33.53	8.1	25.2	4.40
C8	05 May 2016	18	12.75	84.19	5.5	33.52	8.0	25.3	2.99
C8	05 May 2016	19	12.64	84.62	5.2	33.51	8.0	25.3	2.08
C8	05 May 2016	20	12.44	84.63	5.1	33.52	8.0	25.4	1.77
C8	12 May 2016	1	15.07	80.80	6.8	33.51	8.0	24.8	2.60
C8	12 May 2016	2	15.06	80.84	6.8	33.51	8.0	24.8	2.72
C8	12 May 2016	3	15.06	80.84	6.7	33.51	8.0	24.8	3.08
C8	12 May 2016	4	14.69	80.39	6.5	33.51	8.0	24.9	3.46
C8	12 May 2016	5	14.30	80.63	6.3	33.50	8.0	25.0	3.62
C8	12 May 2016	6	14.17	81.05	6.2	33.50	8.0	25.0	3.56
C8	12 May 2016	7	13.97	81.75	6.0	33.50	8.0	25.0	3.43
C8	12 May 2016	8	13.79	82.35	5.9	33.49	8.0	25.1	3.33
C8	12 May 2016	9	13.58	82.81	5.8	33.50	8.0	25.1	3.26
C8	12 May 2016	10	13.42	83.07	5.7	33.50	8.0	25.1	3.07
C8	12 May 2016	11	13.26	83.53	5.6	33.50	7.9	25.2	2.92
C8	12 May 2016	12	13.15	84.20	5.4	33.50	7.9	25.2	2.75
C8	12 May 2016	13	13.06	84.40	5.4	33.50	7.9	25.2	2.62
C8	12 May 2016	14	12.95	84.39	5.3	33.50	7.9	25.2	2.59
C8	12 May 2016	15	12.83	84.69	5.2	33.50	7.9	25.3	2.53
C8	12 May 2016	16	12.50	85.43	5.0	33.51	7.9	25.3	2.33
C8	12 May 2016	17	12.30	85.79	4.9	33.51	7.9	25.4	2.03
C8	12 May 2016	18	12.24	86.00	4.8	33.51	7.9	25.4	1.83
C8	16 May 2016	1	16.96	81.92	7.9	33.53	8.2	24.4	1.18
C8	16 May 2016	2	16.95	82.10	7.9	33.53	8.2	24.4	1.19
C8	16 May 2016	3	16.95	82.26	7.9	33.53	8.2	24.4	1.26
C8	16 May 2016	4	16.95	82.25	7.9	33.53	8.2	24.4	1.42
C8	16 May 2016	5	16.93	82.01	8.0	33.53	8.2	24.4	1.58
C8	16 May 2016	6	16.93	81.93	7.9	33.53	8.2	24.4	1.70
C8	16 May 2016	7	16.89	80.82	8.0	33.53	8.2	24.4	1.94
C8	16 May 2016	8	16.80	79.97	7.9	33.53	8.2	24.4	2.27
C8	16 May 2016	9	16.69	78.61	7.9	33.52	8.2	24.5	2.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C8	16 May 2016	10	16.69	77.76	7.9	33.52	8.2	24.5	2.93
C8	16 May 2016	11	16.46	77.15	7.5	33.52	8.2	24.5	2.87
C8	16 May 2016	12	15.64	79.11	7.0	33.51	8.1	24.7	2.62
C8	16 May 2016	13	14.63	81.61	6.4	33.51	8.1	24.9	2.46
C8	16 May 2016	14	13.79	83.58	6.0	33.50	8.0	25.1	2.31
C8	16 May 2016	15	13.30	84.86	6.0	33.50	8.0	25.2	2.15
C8	16 May 2016	16	13.85	85.39	6.0	33.48	8.0	25.0	2.16
C8	16 May 2016	17	12.97	85.54	5.8	33.49	8.0	25.2	1.97
C8	16 May 2016	18	12.73	85.27	5.6	33.48	8.0	25.3	1.99
C8	16 May 2016	19	12.68	84.70	5.6	33.48	8.0	25.3	1.73
C8	22 May 2016	1	18.49	82.61	7.7	33.59	8.2	24.1	0.90
C8	22 May 2016	2	18.49	82.72	7.7	33.59	8.2	24.1	0.92
C8	22 May 2016	3	18.43	82.83	7.7	33.59	8.2	24.1	0.97
C8	22 May 2016	4	18.40	82.67	7.8	33.59	8.2	24.1	1.02
C8	22 May 2016	5	18.32	82.53	7.7	33.59	8.2	24.1	1.08
C8	22 May 2016	6	18.29	82.22	7.8	33.59	8.2	24.1	1.18
C8	22 May 2016	7	18.24	81.85	7.8	33.58	8.2	24.1	1.29
C8	22 May 2016	8	18.22	81.66	7.7	33.58	8.2	24.1	1.39
C8	22 May 2016	9	18.01	80.28	7.6	33.58	8.2	24.2	1.56
C8	22 May 2016	10	17.90	77.75	7.6	33.58	8.2	24.2	1.89
C8	22 May 2016	11	17.31	75.12	7.4	33.55	8.2	24.3	2.68
C8	22 May 2016	12	15.68	75.24	7.3	33.53	8.2	24.7	3.29
C8	22 May 2016	13	14.92	77.16	7.3	33.50	8.1	24.8	3.66
C8	22 May 2016	14	14.82	77.78	7.0	33.49	8.1	24.8	3.89
C8	22 May 2016	15	13.99	78.90	6.6	33.48	8.1	25.0	3.88
C8	22 May 2016	16	13.73	81.03	6.2	33.48	8.0	25.1	3.27
C8	22 May 2016	17	13.38	81.97	5.9	33.49	8.0	25.1	2.58
C8	22 May 2016	18	13.16	81.32	5.5	33.47	8.0	25.2	1.83
C8	22 May 2016	19	12.89	80.01	5.4	33.48	8.0	25.2	1.68
C8	31 May 2016	1	15.67	74.94	7.3	33.57	8.1	24.7	2.98
C8	31 May 2016	2	15.41	74.51	7.1	33.57	8.1	24.8	3.70
C8	31 May 2016	3	14.73	74.39	6.7	33.57	8.1	24.9	4.48
C8	31 May 2016	4	14.26	76.03	6.4	33.55	8.0	25.0	4.25
C8	31 May 2016	5	13.78	77.57	6.1	33.55	8.0	25.1	4.04
C8	31 May 2016	6	12.92	78.82	5.7	33.54	8.0	25.3	3.61
C8	31 May 2016	7	12.41	80.42	5.3	33.53	7.9	25.4	3.38
C8	31 May 2016	8	12.02	81.41	4.9	33.52	7.9	25.4	3.20
C8	31 May 2016	9	11.54	82.42	4.6	33.54	7.9	25.5	2.59
C8	31 May 2016	10	11.54	83.41	4.5	33.53	7.8	25.5	2.24
C8	31 May 2016	11	11.47	84.02	4.5	33.54	7.8	25.6	2.01
C8	31 May 2016	12	11.45	83.82	4.5	33.54	7.8	25.6	1.92
C8	31 May 2016	13	11.37	84.61	4.4	33.55	7.8	25.6	1.74
C8	31 May 2016	14	11.24	85.08	4.3	33.57	7.8	25.6	1.46
C8	31 May 2016	15	11.23	84.91	4.2	33.57	7.8	25.6	1.27
C8	31 May 2016	16	11.18	83.87	4.2	33.58	7.8	25.6	1.19
C8	31 May 2016	17	11.17	83.09	4.2	33.58	7.8	25.6	1.14
C8	31 May 2016	18	11.15	83.34	4.2	33.58	7.8	25.6	1.12
C8	31 May 2016	19	11.16	82.85	4.2	33.58	7.8	25.6	1.15

NA = not available

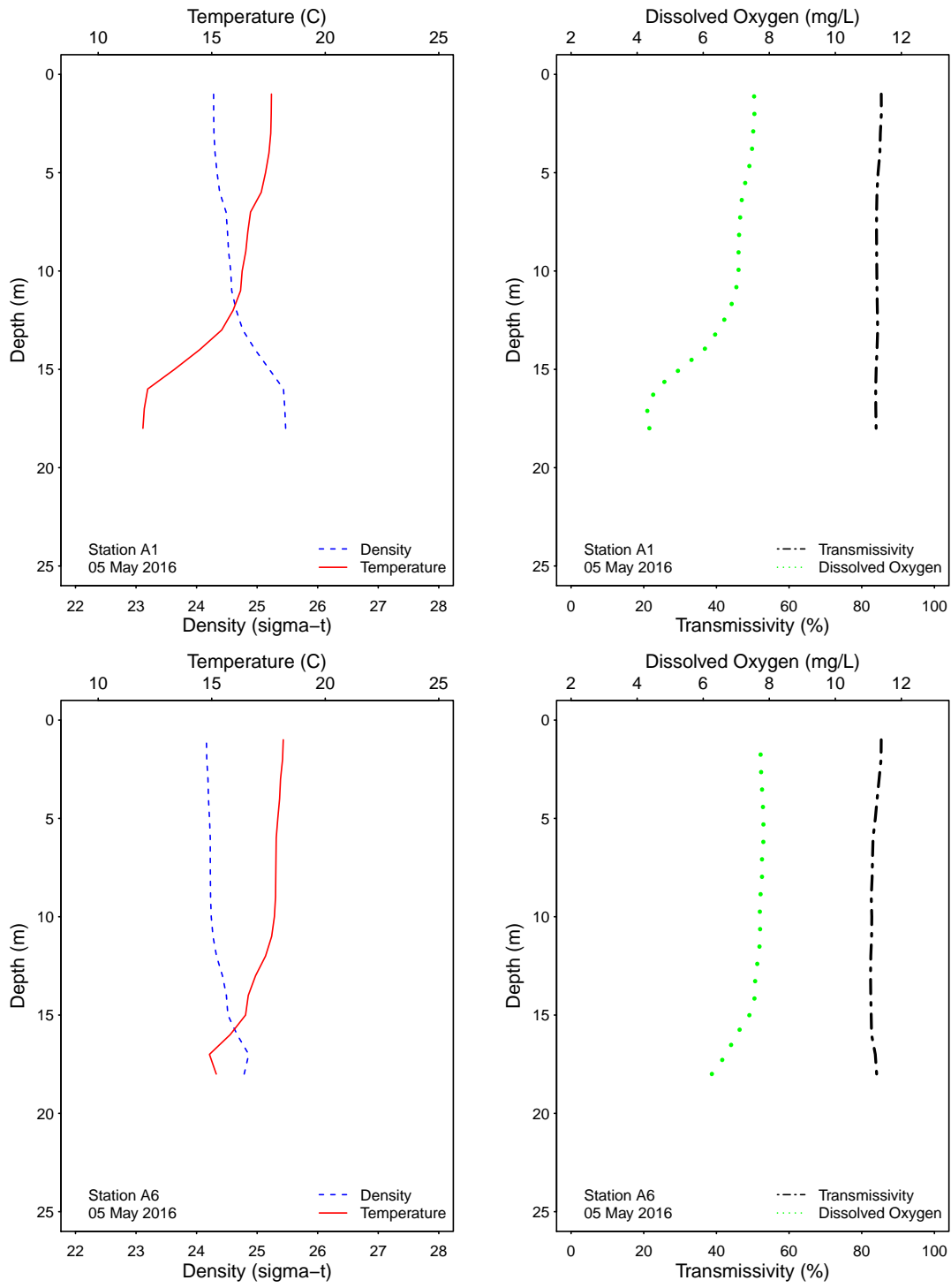


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

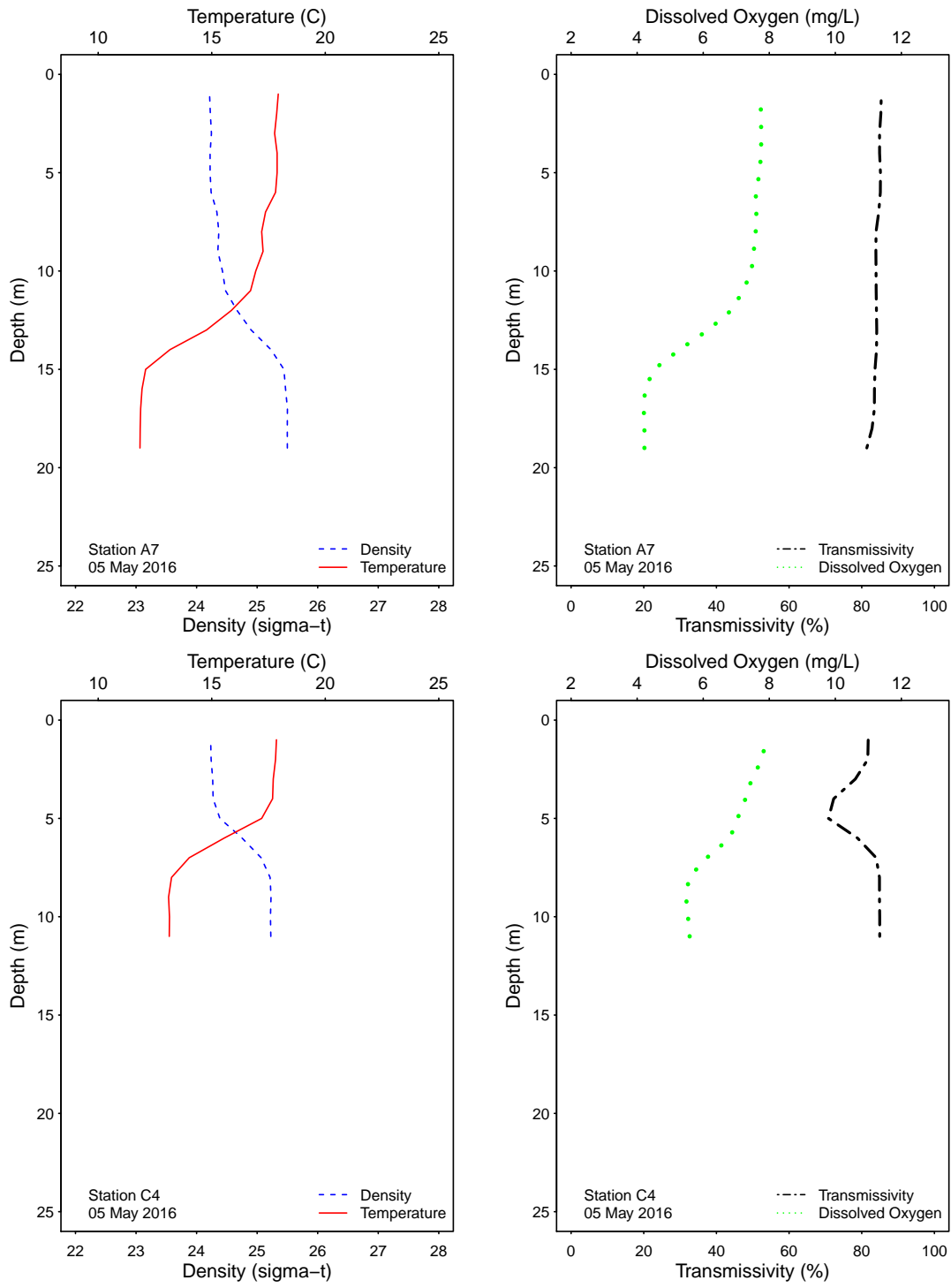


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

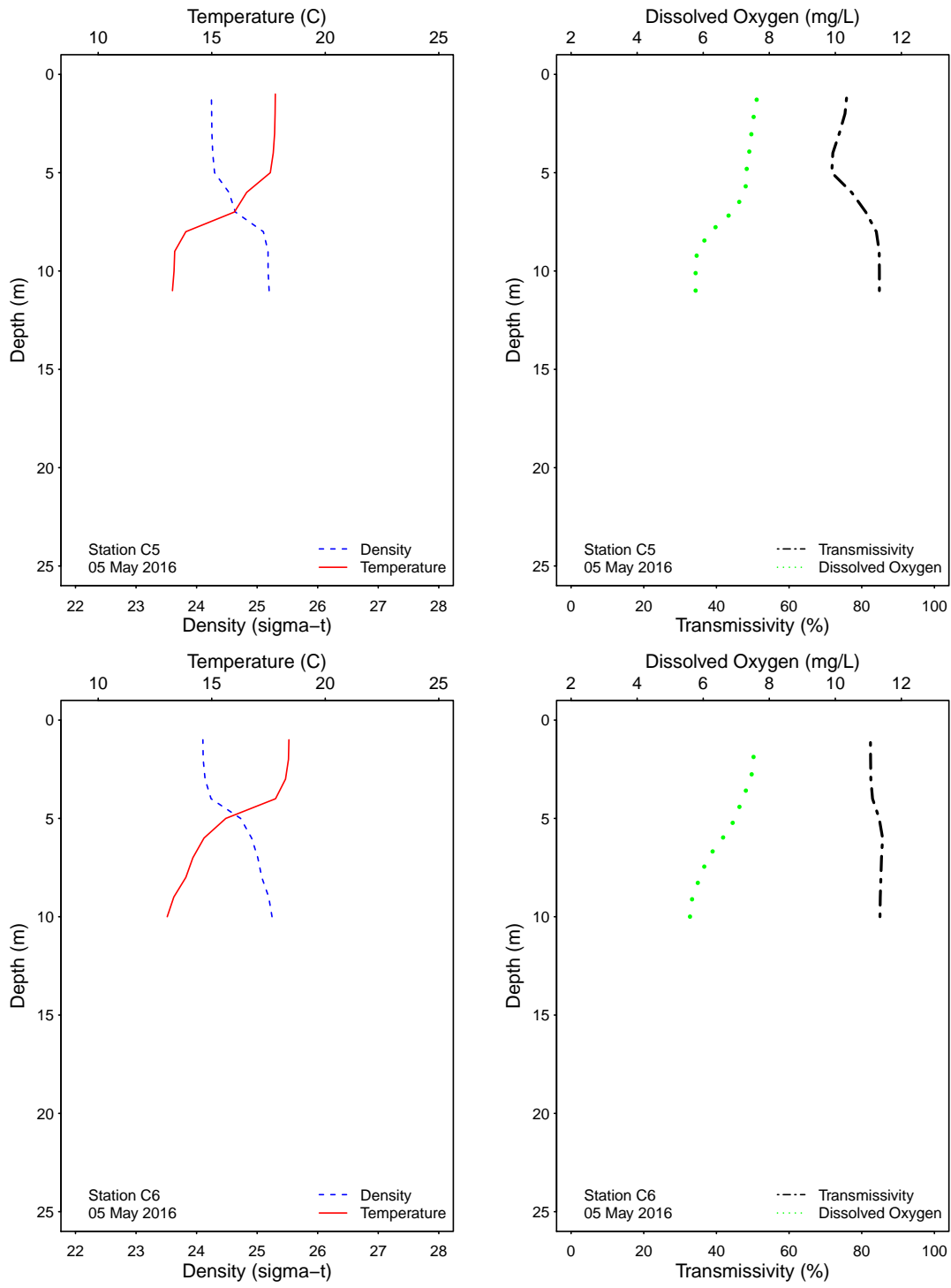


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

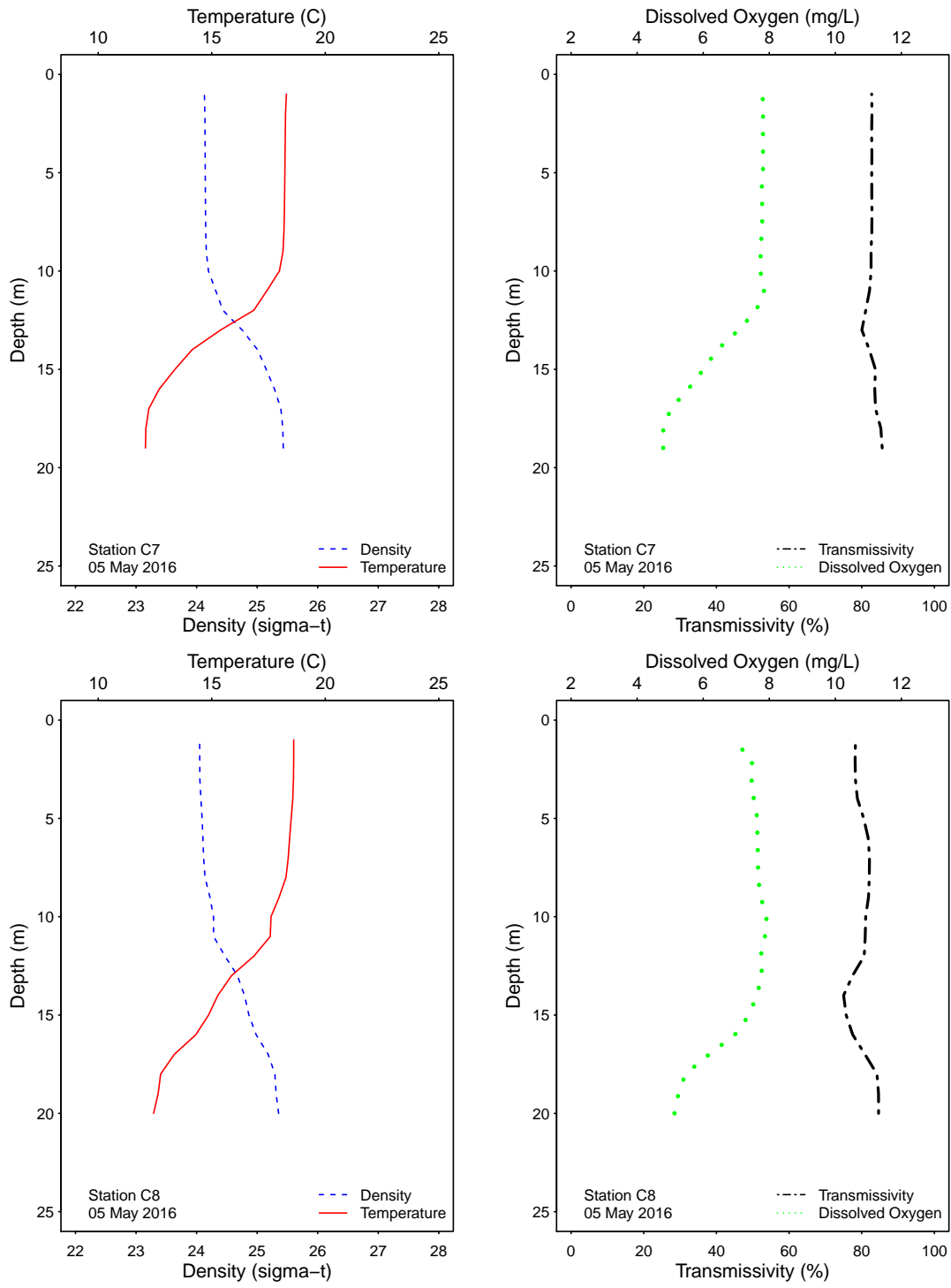


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

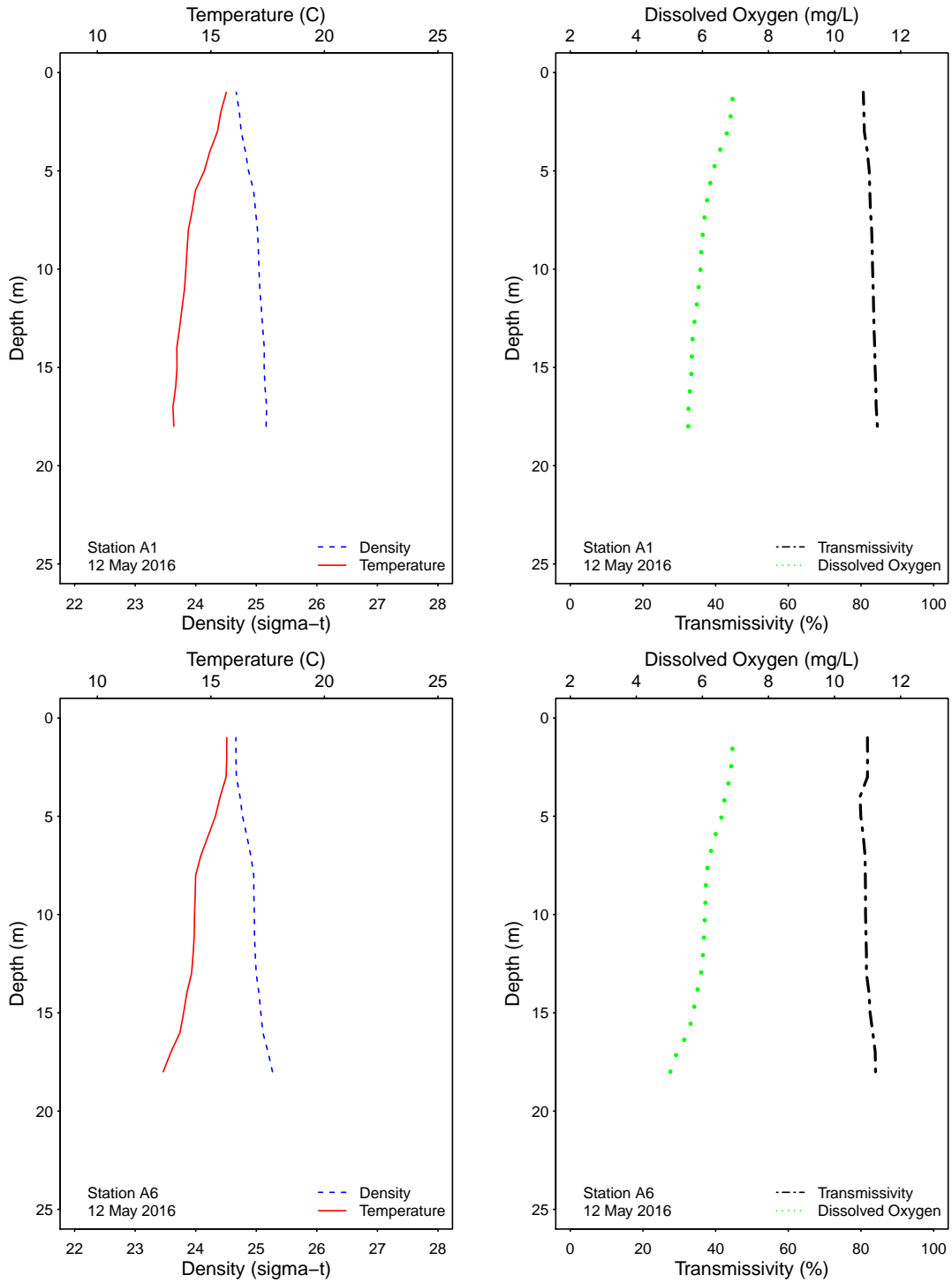


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



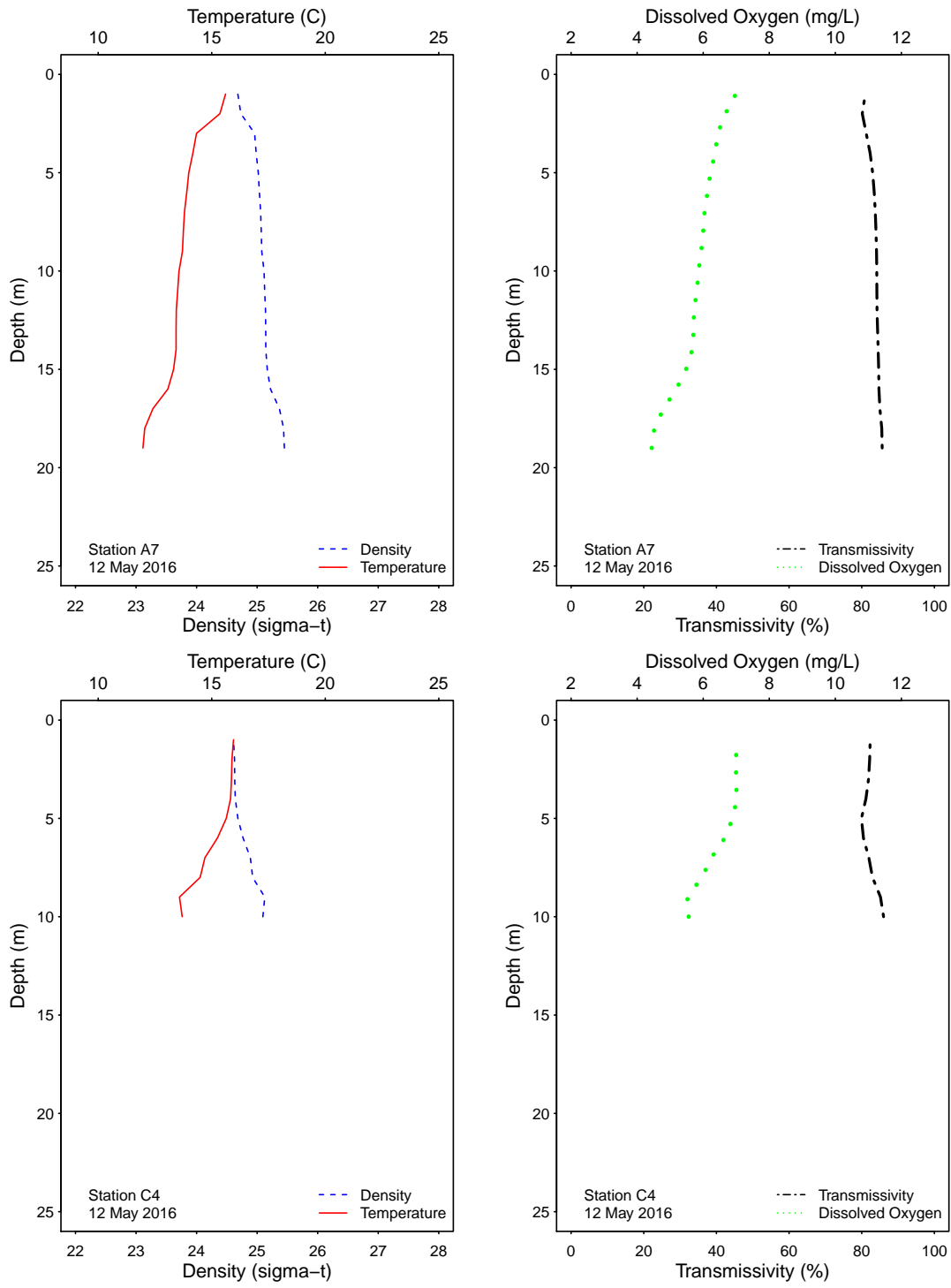


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

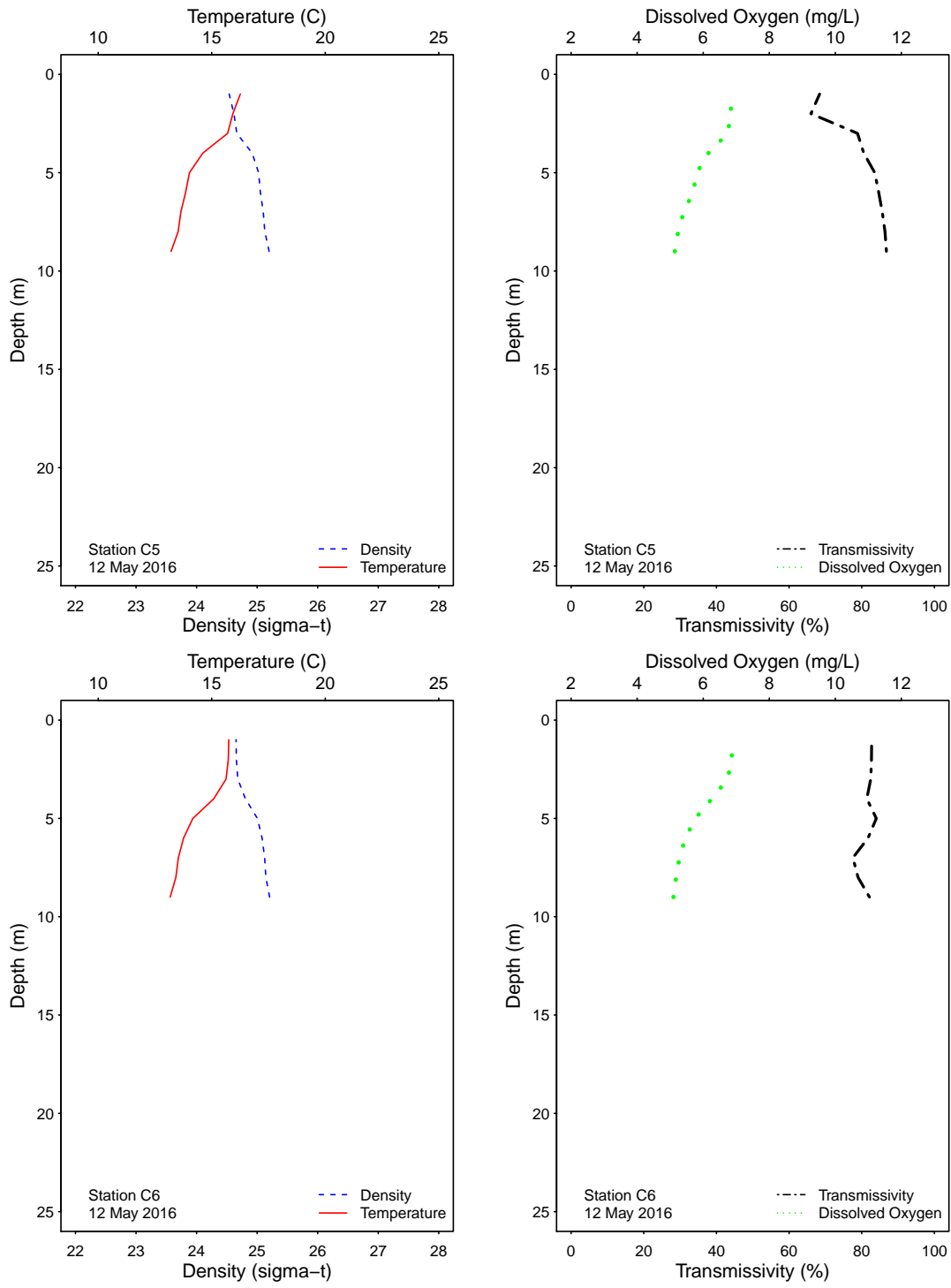


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

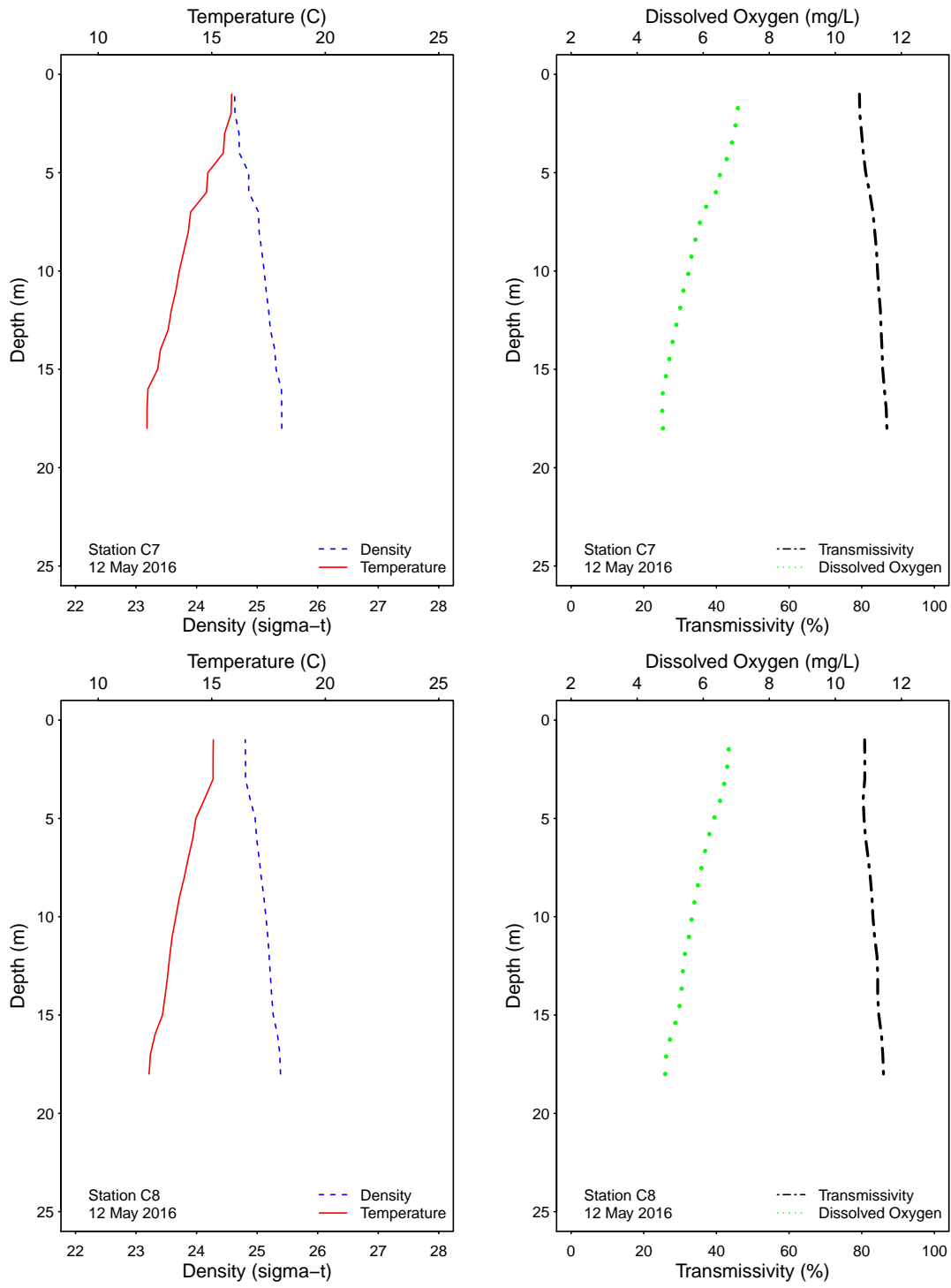


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

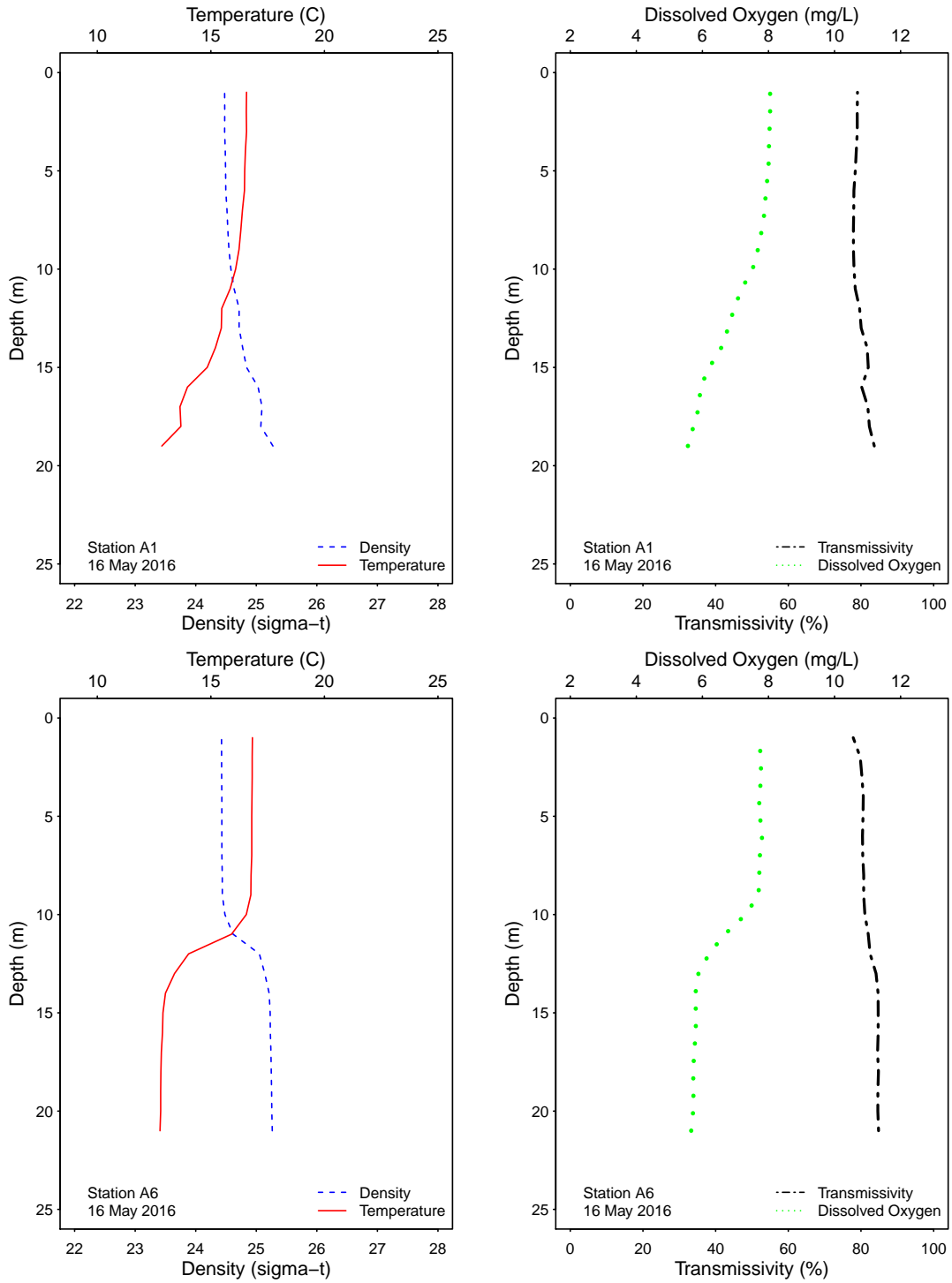


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

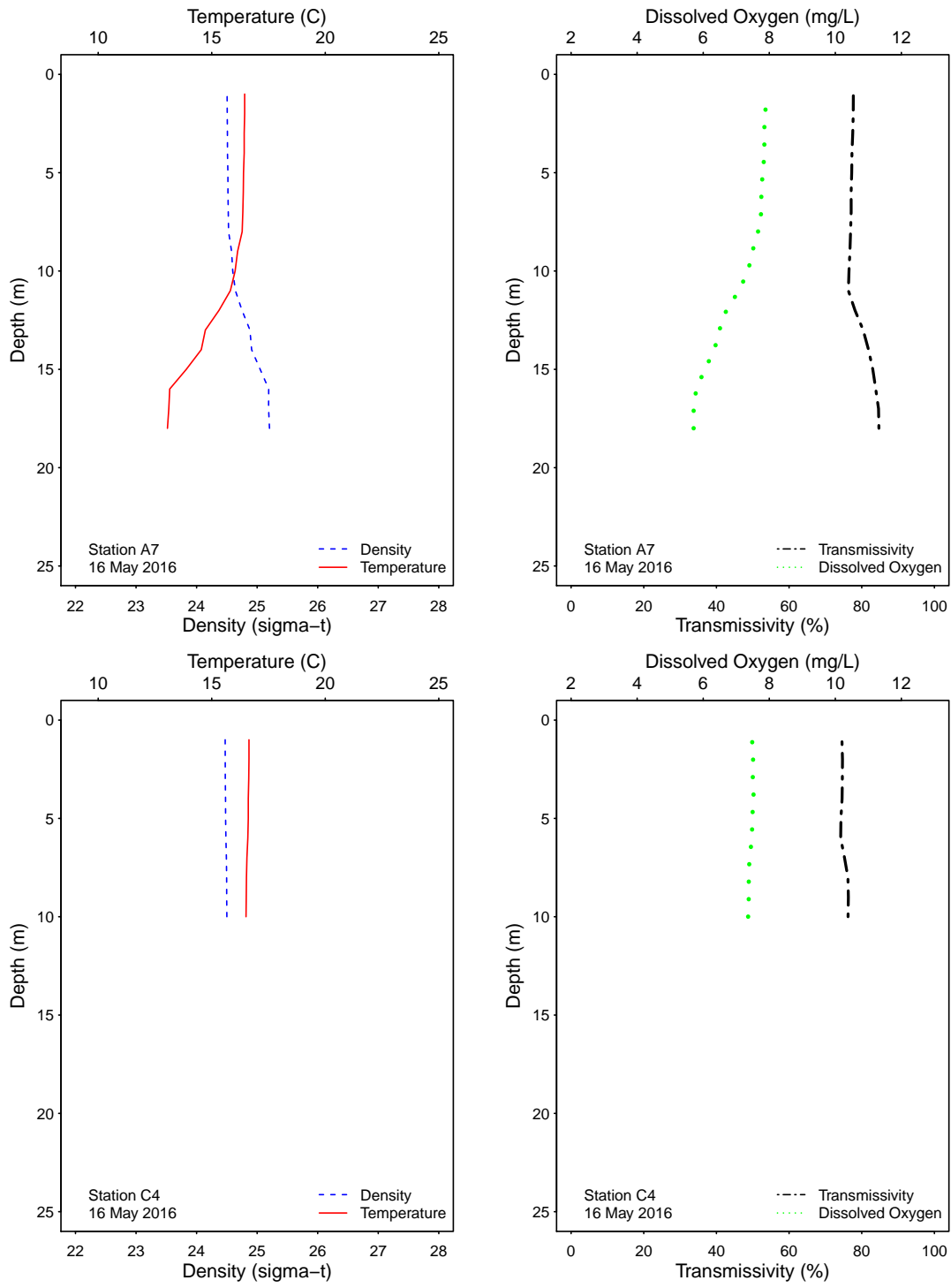


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

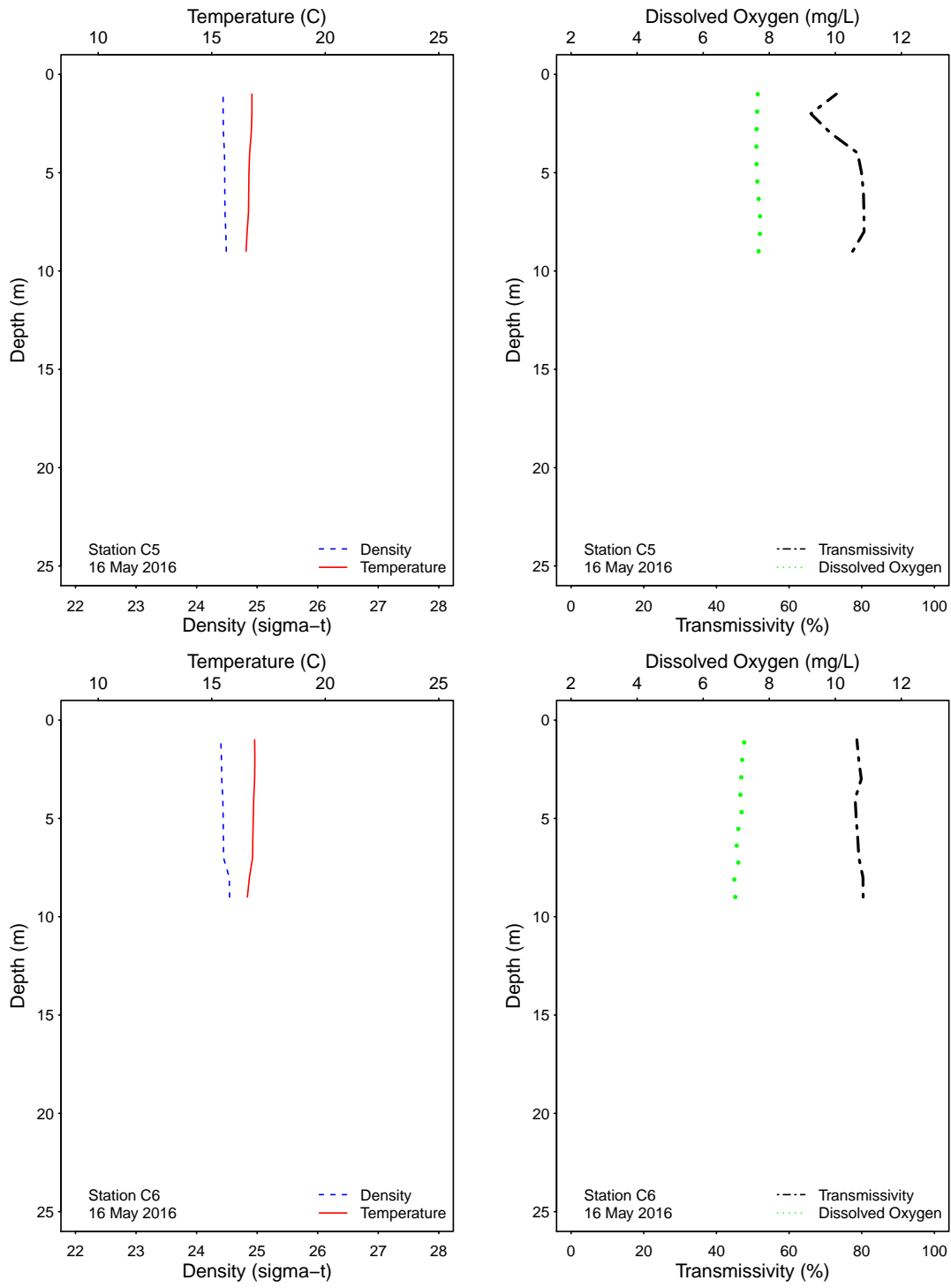


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

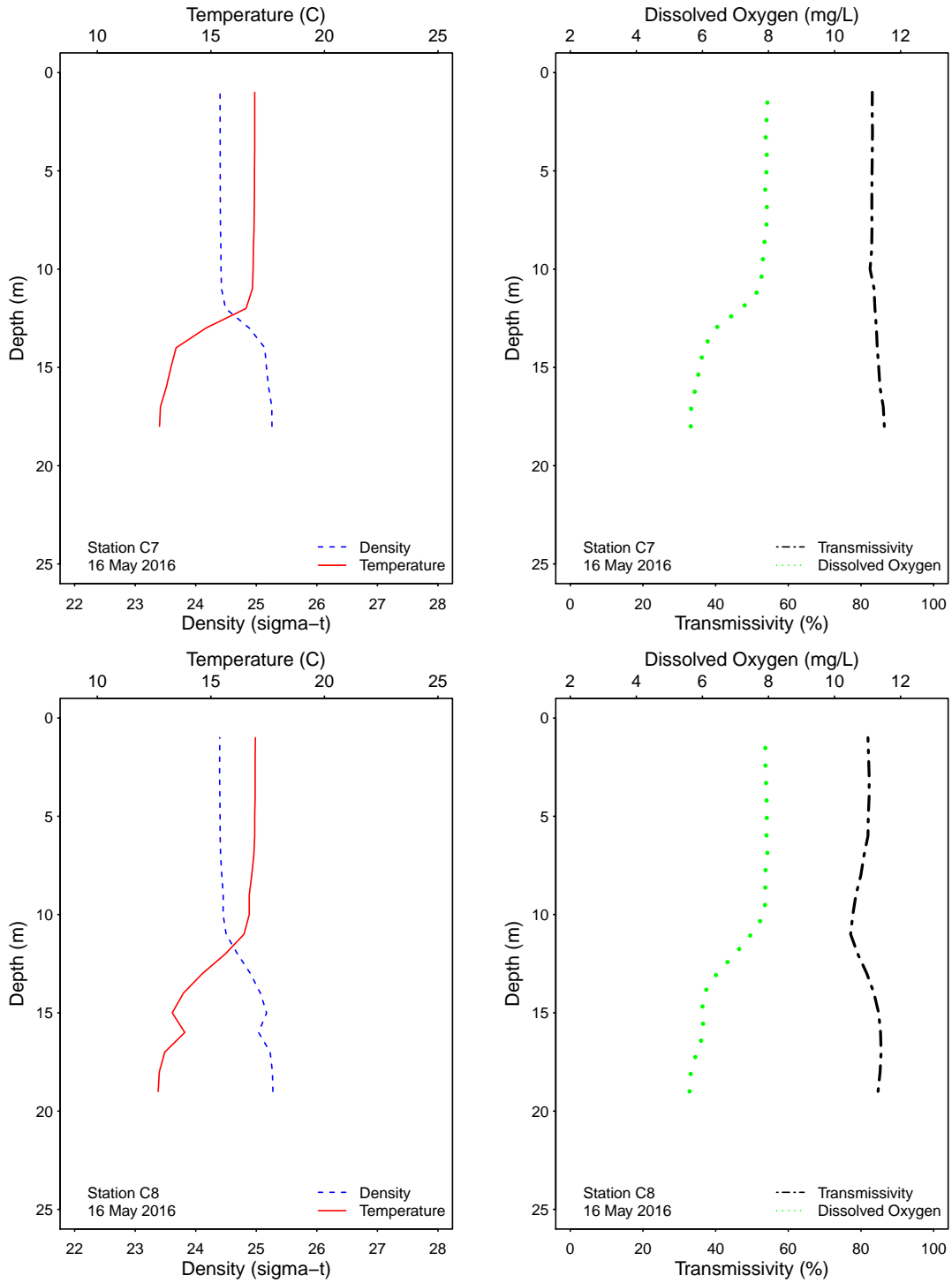


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

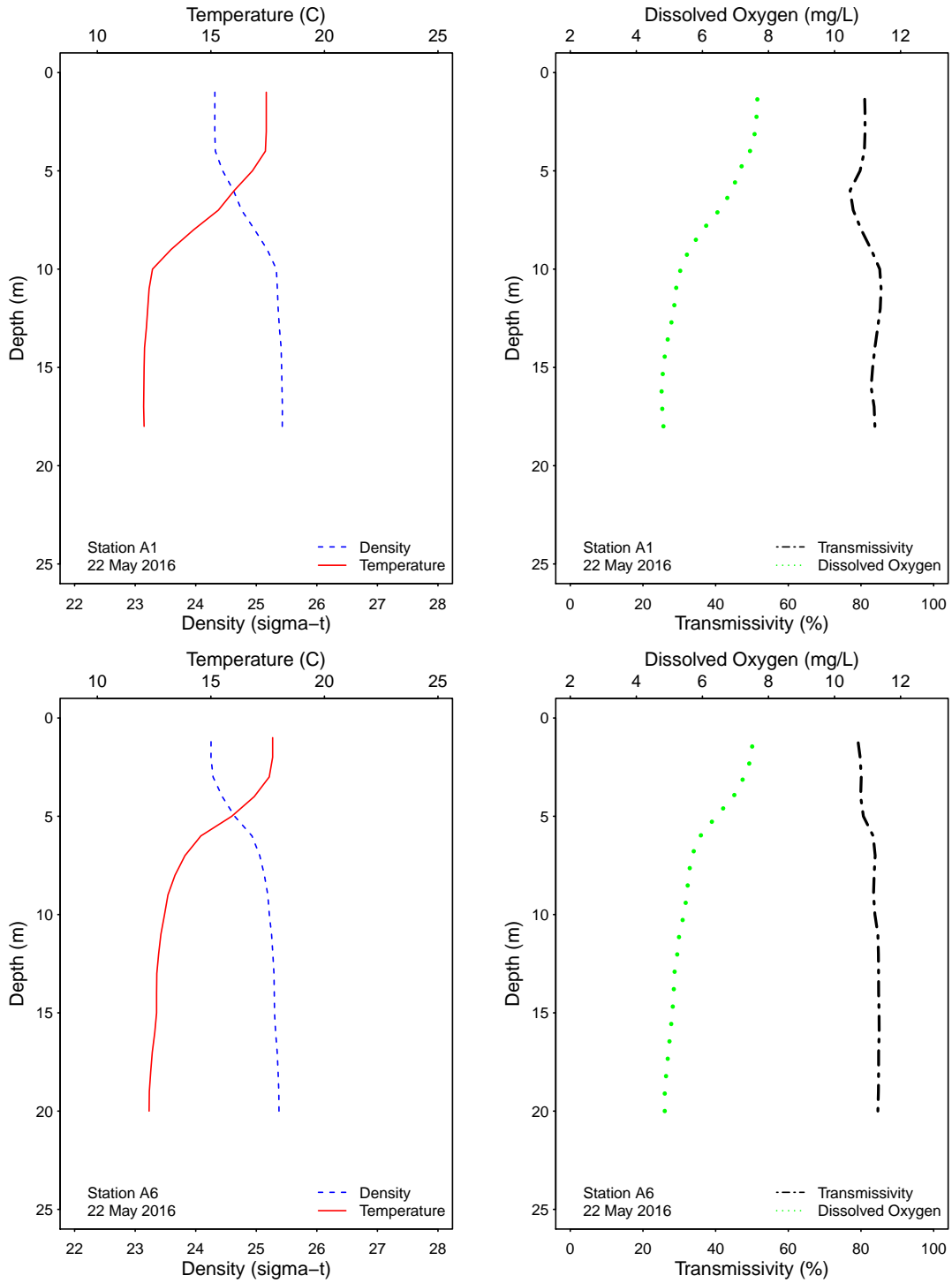


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.



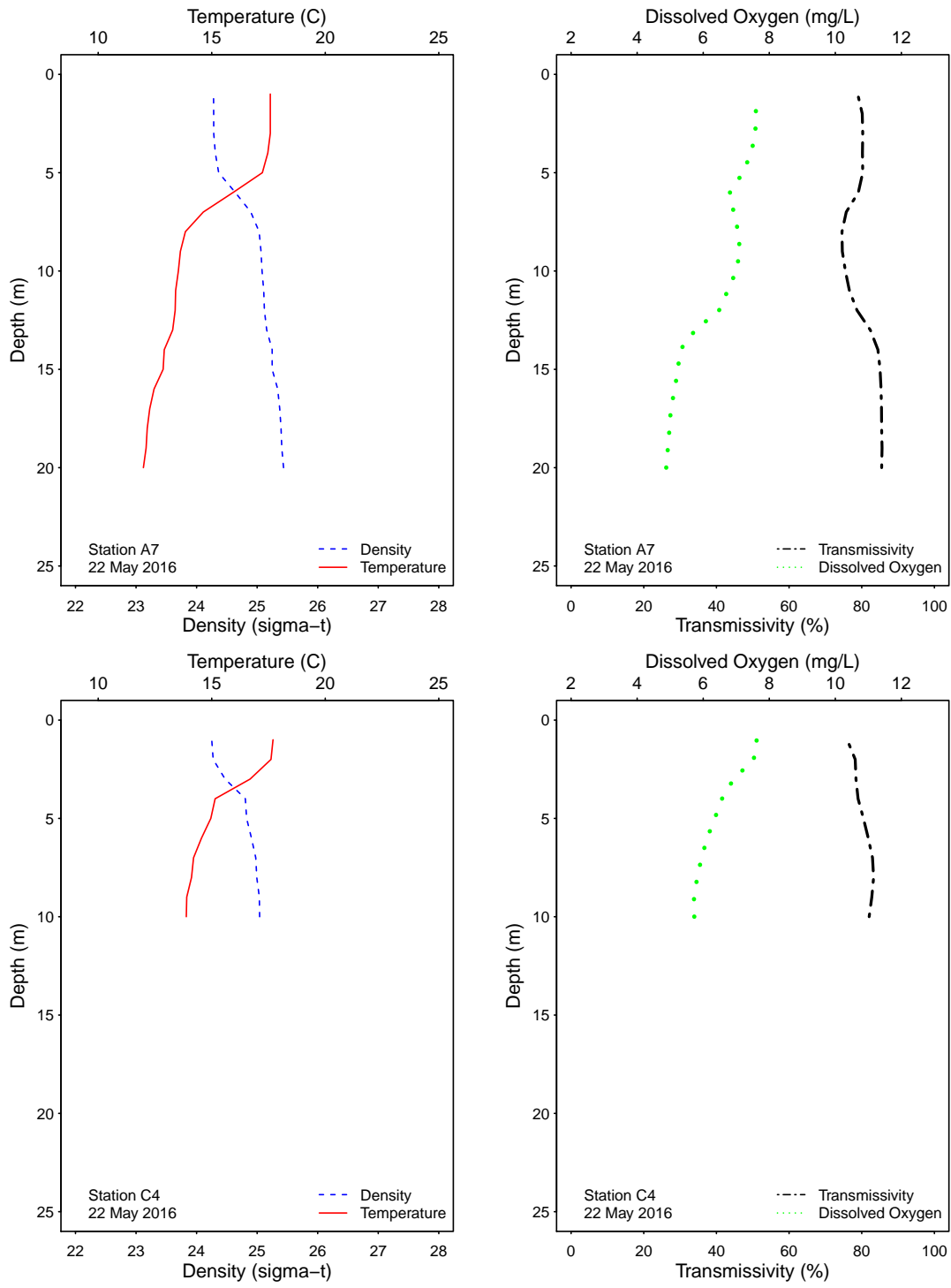


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

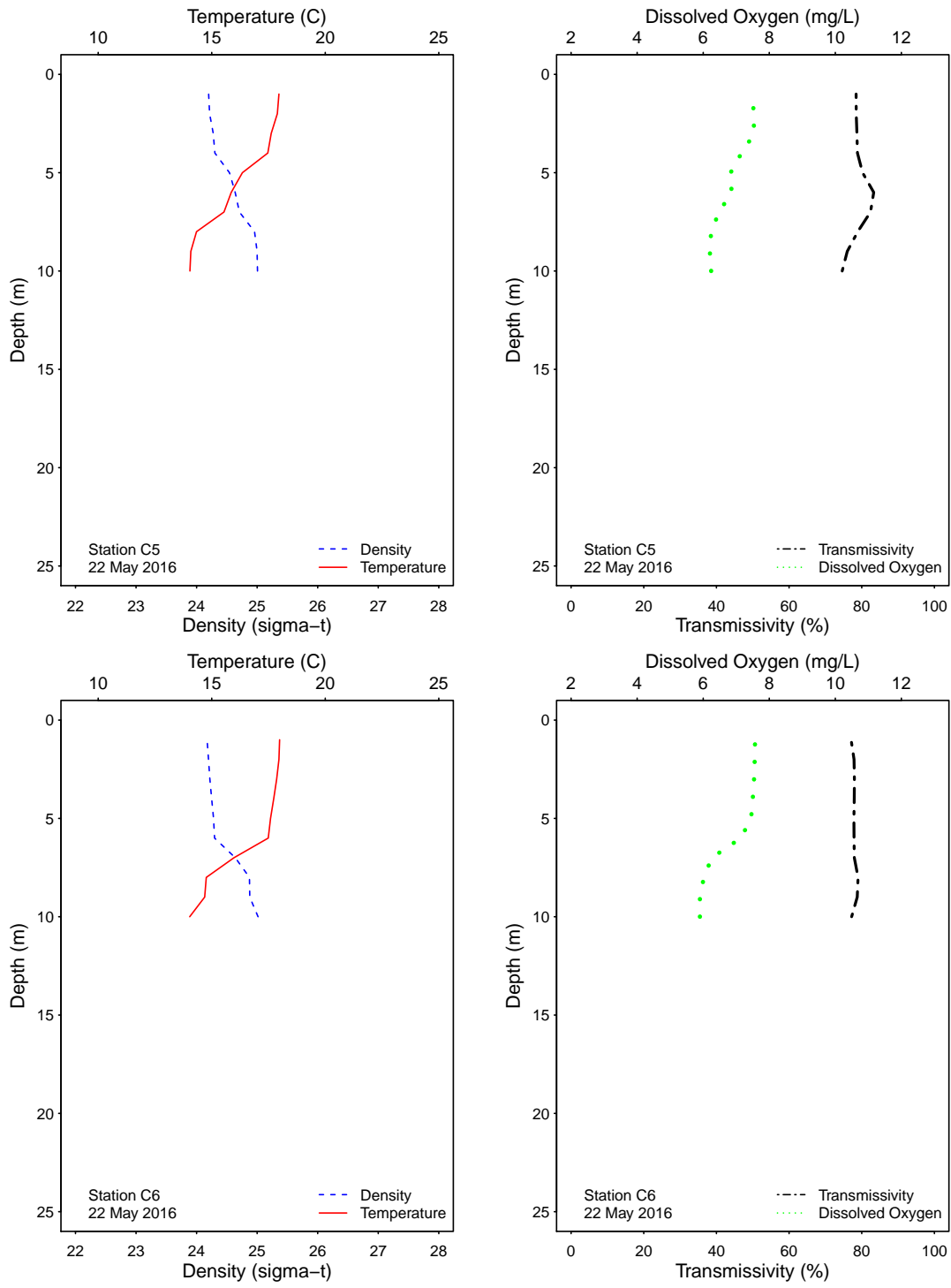


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

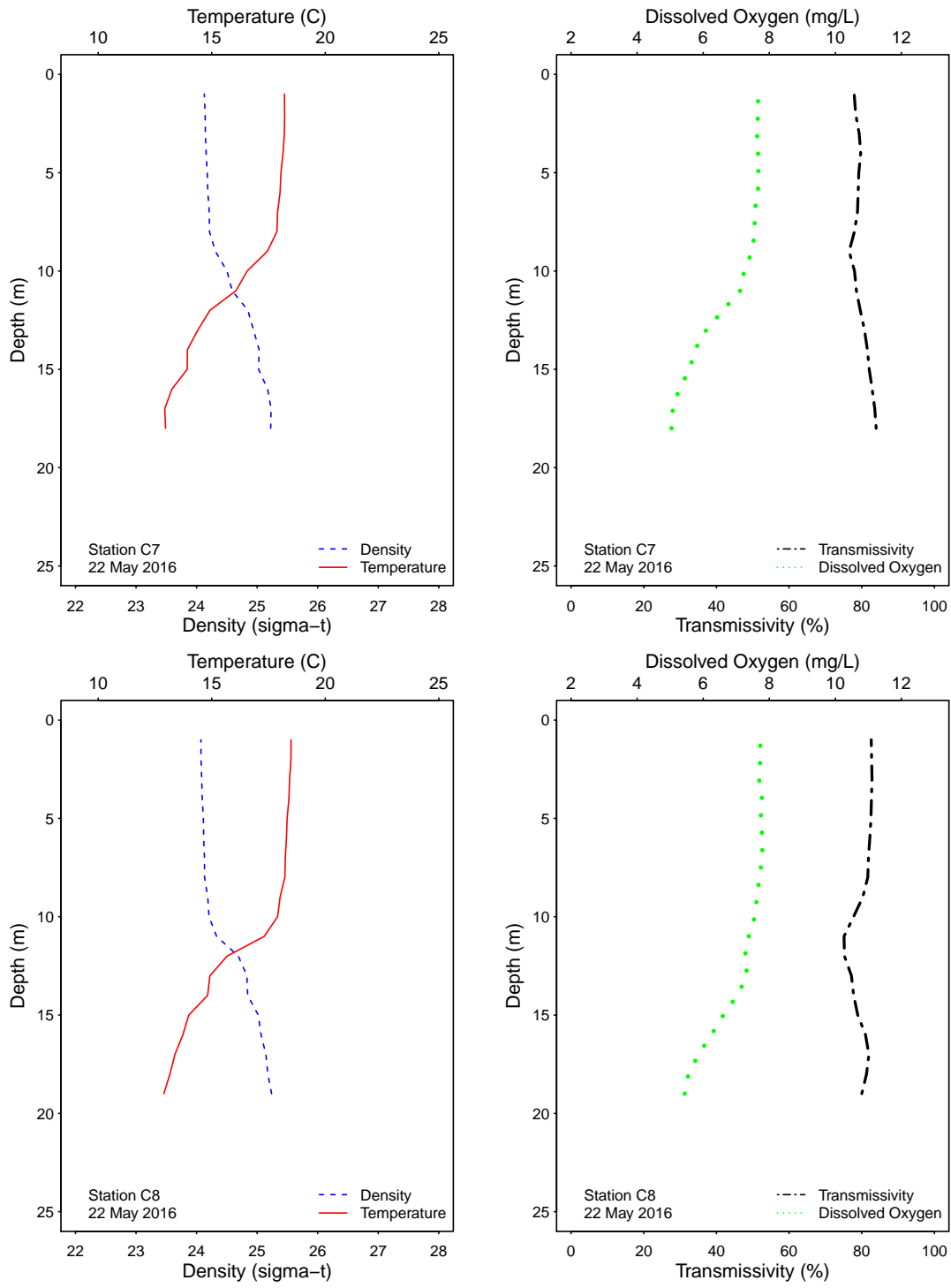


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

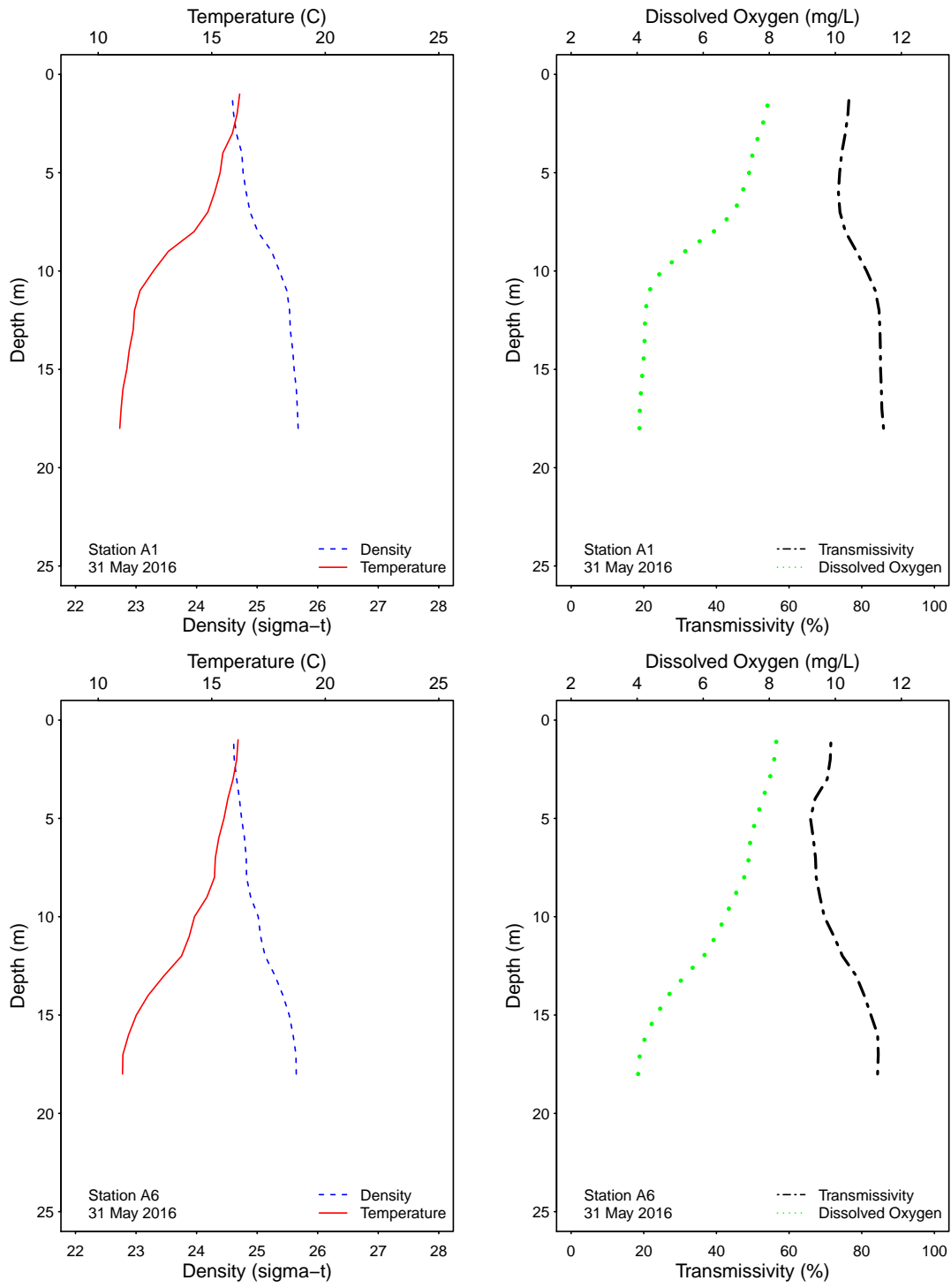


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

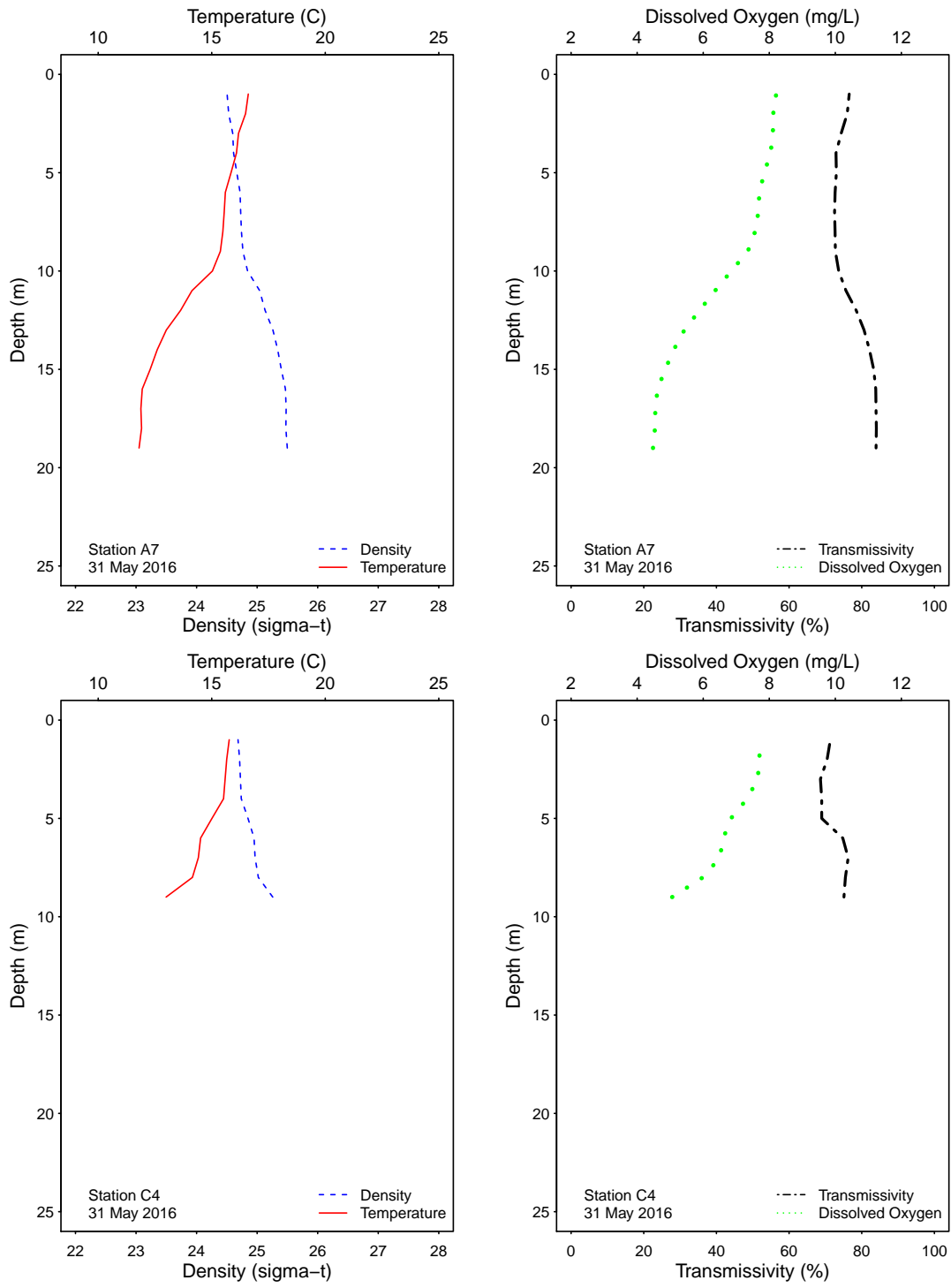


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

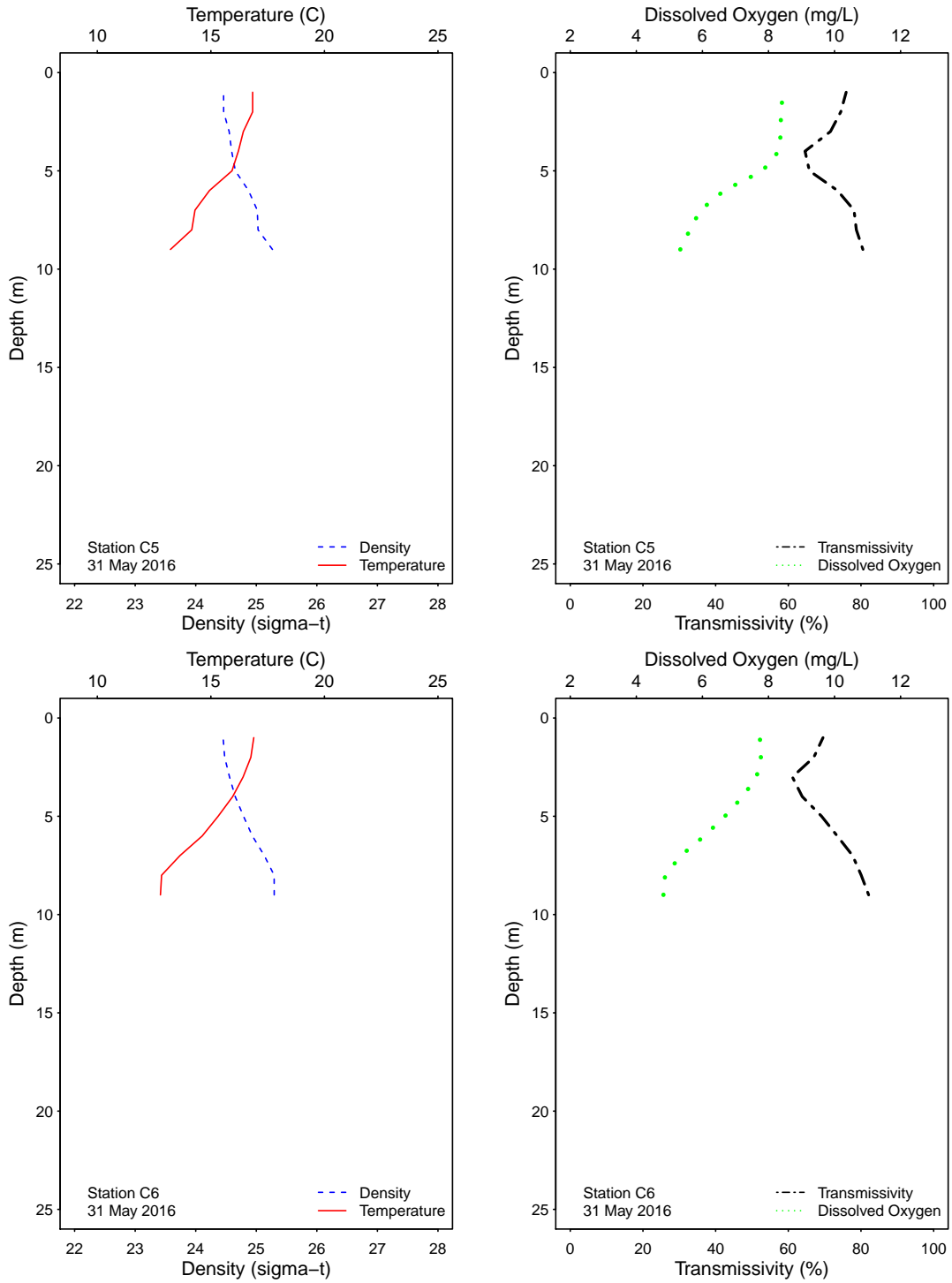


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

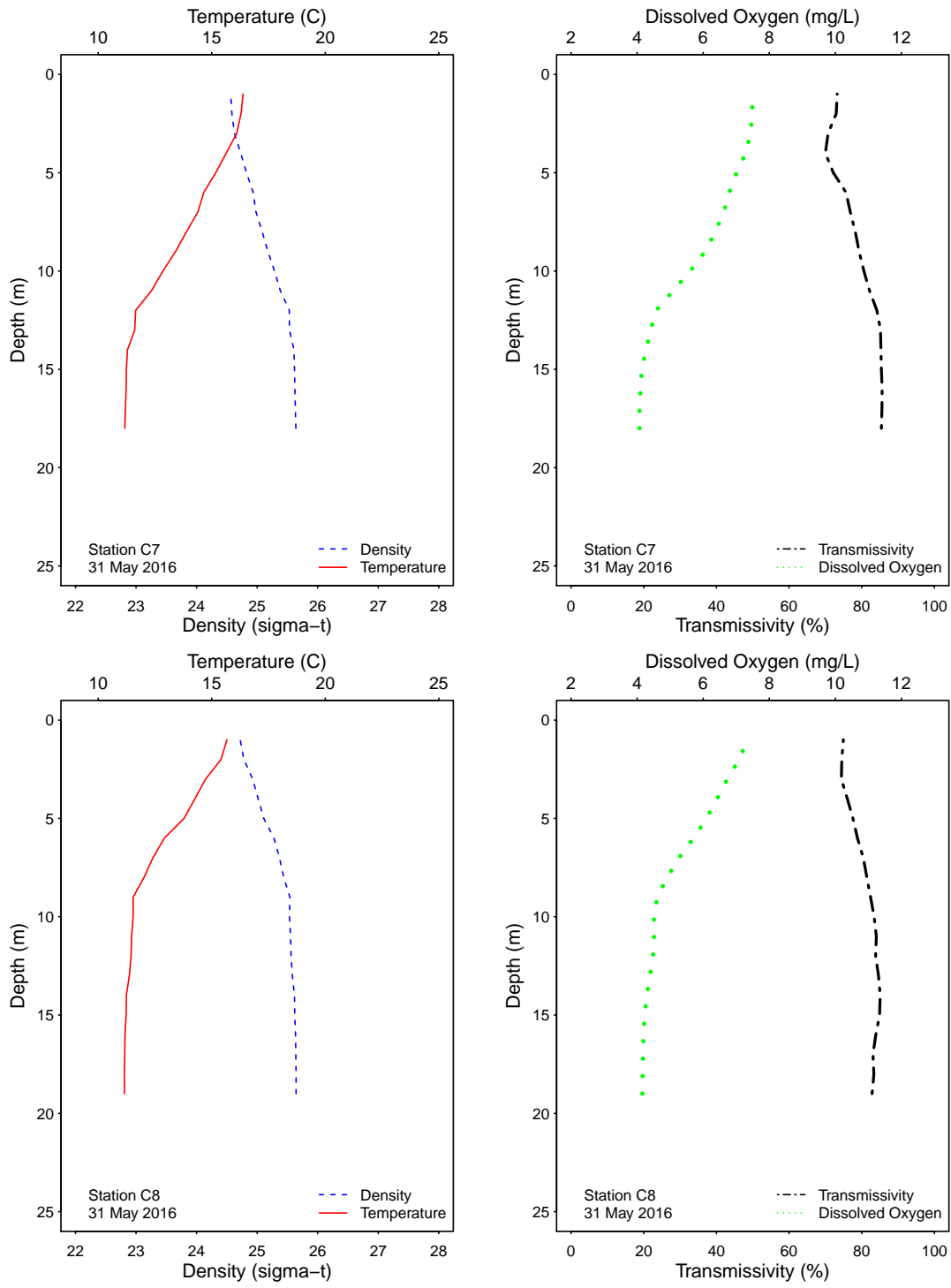


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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# Offshore Stations



**Table 4.1**

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

<b>Date</b>	<b>F01</b>	<b>F02</b>	<b>F03</b>	<b>F06</b>	<b>F07</b>	<b>F08</b>	<b>F09</b>	<b>F10</b>	<b>F11</b>	<b>F12</b>	<b>F13</b>	<b>F14</b>	<b>F18</b>	<b>F19</b>	<b>F20</b>
03 May 2016	IC	IC	IC	E	IC	IC	IC	IC	IC	IC	IC	IC	ns	ns	ns
04 May 2016	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	E	E	E

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* (Entero) is reported as CFU/100 mL; ammonium (N-NH<sub>3</sub>) 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	Entero	N-NH <sub>3</sub>	Temp	XMS	DO	Sal	pH
F01	03 May 2016	1229	1	<2	<0.01	17.69	82.68	7.8	33.58	8.2
F01	03 May 2016	1229	12	<2	<0.01	14.69	78.56	6.3	33.55	8.1
F01	03 May 2016	1229	18	<2	<0.01	12.97	80.02	5.2	33.59	8.0
F02	03 May 2016	834	1	<2	<0.01	18.35	86.21	7.7	33.60	8.2
F02	03 May 2016	834	12	<2	<0.01	17.19	85.45	7.7	33.59	8.2
F02	03 May 2016	834	18	<2	<0.01	13.35	82.63	6.4	33.49	8.1
F03	03 May 2016	859	1	<2	<0.01	18.43	85.59	7.7	33.60	8.2
F03	03 May 2016	859	12	<2	<0.01	17.40	84.27	7.8	33.59	8.2
F03	03 May 2016	859	18	<2	<0.01	12.98	77.13	5.5	33.54	8.0
F04	03 May 2016	1159	1	<2	ns	18.33	85.04	7.6	33.58	8.2
F04	03 May 2016	1159	25	<2	ns	12.20	85.24	5.2	33.50	8.0
F04	03 May 2016	1159	60	54	ns	10.27	83.05	3.9	33.76	7.8
F05	03 May 2016	1146	1	<2	ns	18.09	84.95	7.7	33.58	8.2
F05	03 May 2016	1146	25	<2	ns	12.12	84.96	5.1	33.54	8.0
F05	03 May 2016	1146	60	120e	ns	10.20	80.91	3.8	33.78	7.8
F06	03 May 2016	1131	1	<2	0.02	18.26	85.20	7.6	33.59	8.2
F06	03 May 2016	1131	25	<2	<0.01	12.57	83.88	5.7	33.48	8.0
F06	03 May 2016	1146	60	960	<0.01	10.18	59.45	3.6	33.79	7.8
F07	03 May 2016	1114	1	<2	<0.01	18.32	85.08	7.5	33.59	8.2
F07	03 May 2016	1114	25	2e	<0.01	12.66	83.42	6.1	33.45	8.1
F07	03 May 2016	1114	60	58	<0.01	10.16	71.85	3.8	33.78	7.8
F08	03 May 2016	1059	1	<2	<0.01	18.35	85.50	7.6	33.59	8.2
F08	03 May 2016	1059	25	<2	<0.01	12.63	83.32	6.7	33.45	8.1
F08	03 May 2016	1059	60	16e	<0.01	10.24	72.86	3.9	33.74	7.8
F09	03 May 2016	1045	1	<2	<0.01	18.41	85.25	7.6	33.60	8.2
F09	03 May 2016	1045	25	<2	<0.01	13.13	77.74	7.6	33.44	8.1
F09	03 May 2016	1045	60	2e	<0.01	10.33	73.24	3.9	33.74	7.8
F10	03 May 2016	1029	1	<2	<0.01	18.48	83.39	7.6	33.60	8.2
F10	03 May 2016	1029	25	<2	<0.01	13.50	74.22	7.8	33.45	8.2
F10	03 May 2016	1029	60	12e	<0.01	10.35	74.79	3.9	33.72	7.8
F11	03 May 2016	1013	1	<2	<0.01	18.56	84.36	7.6	33.60	8.2
F11	03 May 2016	1013	25	<2	<0.01	13.62	75.98	7.8	33.43	8.2
F11	03 May 2016	1013	60	2e	<0.01	10.45	60.37	3.9	33.72	7.8
F12	03 May 2016	956	1	<2	<0.01	18.61	83.12	7.6	33.61	8.2
F12	03 May 2016	956	25	<2	<0.01	13.36	79.24	7.6	33.41	8.2
F12	03 May 2016	956	60	4e	<0.01	10.43	71.59	3.8	33.73	7.8

Station	Date	Time	Depth	Entero	N-NH3	Temp	XMS	DO	Sal	pH
F13	03 May 2016	939	1	<2	<0.01	18.53	84.09	7.6	33.60	8.2
F13	03 May 2016	939	25	<2	<0.01	12.93	80.57	6.9	33.43	8.1
F13	03 May 2016	939	60	6e	<0.01	10.37	80.00	3.8	33.74	7.8
F14	03 May 2016	924	1	<2	<0.01	18.53	85.58	7.6	33.60	8.2
F14	03 May 2016	924	25	<2	<0.01	13.39	77.80	7.8	33.48	8.2
F14	03 May 2016	924	60	2e	<0.01	10.42	78.46	3.8	33.74	7.8
F15	04 May 2016	1200	1	<2	ns	18.38	87.42	7.6	33.59	8.2
F15	04 May 2016	1200	25	<2	ns	11.84	88.78	5.5	33.44	7.9
F15	04 May 2016	1200	60	10e	ns	10.64	87.49	4.3	33.63	7.8
F15	04 May 2016	1200	80	520	ns	10.08	85.40	3.7	33.80	7.8
F16	04 May 2016	1143	1	<2	ns	18.31	88.14	7.5	33.59	8.2
F16	04 May 2016	1143	25	<2	ns	12.11	88.68	5.5	33.46	7.9
F16	04 May 2016	1143	60	6e	ns	10.55	89.65	4.3	33.66	7.8
F16	04 May 2016	1143	80	520	ns	10.13	45.91	3.6	33.79	7.7
F17	04 May 2016	1127	1	<2	ns	18.28	87.64	7.5	33.58	8.2
F17	04 May 2016	1127	25	<2	ns	12.53	87.77	5.8	33.45	8.0
F17	04 May 2016	1127	60	6e	ns	10.62	89.65	4.5	33.61	7.8
F17	04 May 2016	1127	80	500	ns	10.13	80.71	3.7	33.78	7.8
F18	04 May 2016	1109	1	2e	<0.01	18.29	88.37	7.5	33.58	8.2
F18	04 May 2016	1109	25	<2	<0.01	12.33	88.58	5.6	33.46	8.0
F18	04 May 2016	1109	60	2e	<0.01	10.61	89.75	4.3	33.63	7.8
F18	04 May 2016	1109	80	420	<0.01	10.04	87.30	3.7	33.79	7.8
F19	04 May 2016	1050	1	<2	<0.01	18.27	88.20	7.5	33.58	8.2
F19	04 May 2016	1050	25	<2	<0.01	12.72	87.24	6.0	33.42	8.0
F19	04 May 2016	1050	60	4e	<0.01	10.44	90.01	4.4	33.66	7.8
F19	04 May 2016	1050	80	380e	0.01	10.06	87.28	3.7	33.79	7.8
F20	04 May 2016	1035	1	<2	<0.01	18.21	88.21	7.6	33.58	8.2
F20	04 May 2016	1035	25	<2	<0.01	13.58	83.89	7.1	33.49	8.1
F20	04 May 2016	1035	60	2e	<0.01	10.47	90.05	4.4	33.66	7.8
F20	04 May 2016	1035	80	220e	<0.01	10.11	85.54	3.8	33.80	7.8
F21	04 May 2016	1018	1	<2	ns	18.23	88.61	7.5	33.58	8.2
F21	04 May 2016	1018	25	<2	ns	13.59	85.29	7.1	33.49	8.1
F21	04 May 2016	1018	60	<2	ns	10.46	89.97	4.4	33.67	7.8
F21	04 May 2016	1018	80	42	ns	10.12	81.89	3.9	33.78	7.8
F22	04 May 2016	959	1	<2	ns	18.23	86.69	7.6	33.58	8.2
F22	04 May 2016	959	25	<2	ns	13.40	82.57	6.9	33.47	8.1
F22	04 May 2016	959	60	<2	ns	10.52	90.19	4.4	33.66	7.8
F22	04 May 2016	959	80	<2	ns	10.05	87.19	3.8	33.81	7.8
F23	04 May 2016	942	1	<2	ns	18.22	88.36	7.5	33.58	8.2
F23	04 May 2016	942	25	<2	ns	13.69	80.51	7.3	33.49	8.1
F23	04 May 2016	942	60	4e	ns	10.52	90.16	4.4	33.66	7.8
F23	04 May 2016	942	80	<2	ns	10.06	85.64	3.8	33.81	7.8
F24	04 May 2016	924	1	<2	ns	18.25	88.25	7.5	33.58	8.2

Station	Date	Time	Depth	Entero	N-NH3	Temp	XMS	DO	Sal	pH
F24	04 May 2016	924	25	<2	ns	13.56	85.11	7.0	33.48	8.1
F24	04 May 2016	924	60	<2	ns	10.55	90.22	4.3	33.69	7.8
F24	04 May 2016	924	80	<2	ns	10.09	85.50	3.8	33.80	7.8
F25	04 May 2016	855	1	<2	ns	18.22	88.35	7.6	33.58	8.2
F25	04 May 2016	855	25	<2	ns	13.80	84.17	7.5	33.49	8.1
F25	04 May 2016	855	60	<2	ns	10.56	90.21	4.3	33.70	7.8
F25	04 May 2016	855	80	<2	ns	10.09	86.02	3.8	33.80	7.8
F26	02 May 2016	1244	1	<2	ns	18.03	87.51	7.7	33.57	8.2
F26	02 May 2016	1244	25	2e	ns	13.80	80.75	8.2	33.46	8.2
F26	02 May 2016	1244	60	14e	ns	10.78	90.13	4.8	33.67	7.9
F26	02 May 2016	1244	80	160e	ns	10.25	89.33	4.2	33.70	7.8
F26	02 May 2016	1244	98	110	ns	10.02	85.57	3.7	33.81	7.8
F27	02 May 2016	1230	1	<2	ns	17.97	86.49	7.7	33.56	8.2
F27	02 May 2016	1230	25	<2	ns	14.68	87.46	8.5	33.50	8.2
F27	02 May 2016	1230	60	<2	ns	10.81	90.03	4.6	33.67	7.9
F27	02 May 2016	1230	80	100	ns	10.38	89.97	4.0	33.77	7.8
F27	02 May 2016	1230	98	260e	ns	9.89	87.09	3.8	33.85	7.8
F28	02 May 2016	1213	1	<2	ns	17.98	88.72	7.7	33.57	8.2
F28	02 May 2016	1213	25	<2	ns	14.28	86.57	8.4	33.54	8.2
F28	02 May 2016	1213	60	<2	ns	10.77	90.25	4.8	33.61	7.9
F28	02 May 2016	1213	80	4e	ns	10.35	90.02	4.0	33.77	7.8
F28	02 May 2016	1213	98	120	ns	9.89	87.30	3.7	33.84	7.8
F29	02 May 2016	1157	1	<2	ns	17.90	84.01	7.6	33.56	8.2
F29	02 May 2016	1157	25	<2	ns	14.05	86.48	8.4	33.51	8.2
F29	02 May 2016	1157	60	<2	ns	10.68	90.28	4.8	33.59	7.9
F29	02 May 2016	1157	80	320e	ns	10.22	89.47	4.0	33.76	7.8
F29	02 May 2016	1157	98	420	ns	9.86	86.12	3.8	33.85	7.8
F30	02 May 2016	1134	1	<2	ns	17.82	88.26	7.7	33.56	8.2
F30	02 May 2016	1157	25	<2	ns	14.51	87.64	8.4	33.50	8.2
F30	02 May 2016	1134	60	32e	ns	10.76	90.17	4.7	33.62	7.9
F30	02 May 2016	1134	80	820	ns	10.05	86.55	3.7	33.72	7.8
F30	02 May 2016	1134	98	<2	ns	9.74	88.92	3.5	33.91	7.8
F31	02 May 2016	1117	1	<2	ns	17.85	88.33	7.7	33.57	8.2
F31	02 May 2016	1117	25	<2	ns	13.92	84.93	8.1	33.51	8.2
F31	02 May 2016	1117	60	<2	ns	10.79	90.14	4.9	33.59	7.9
F31	02 May 2016	1117	80	<2	ns	10.08	90.07	4.0	33.79	7.8
F31	02 May 2016	1117	98	<2	ns	9.74	88.06	3.2	33.96	7.8
F32	02 May 2016	1101	1	<2	ns	17.85	88.04	7.7	33.56	8.2
F32	02 May 2016	1101	25	<2	ns	13.39	85.40	7.6	33.47	8.1
F32	02 May 2016	1101	60	<2	ns	10.78	90.13	4.7	33.60	7.9
F32	02 May 2016	1101	80	<2	ns	10.50	90.16	4.2	33.74	7.8
F32	02 May 2016	1101	98	<2	ns	9.75	88.26	3.2	33.97	7.8
F33	02 May 2016	1046	1	<2	ns	17.69	83.19	7.7	33.56	8.2
F33	02 May 2016	1046	25	<2	ns	13.35	84.66	7.6	33.47	8.1
F33	02 May 2016	1046	60	<2	ns	10.65	90.18	4.6	33.65	7.9
F33	02 May 2016	1046	80	<2	ns	10.13	90.09	4.0	33.79	7.8

Station	Date	Time	Depth	Entero	N-NH3	Temp	XMS	DO	Sal	pH
F33	02 May 2016	1046	98	<2	ns	9.82	88.44	3.5	33.92	7.8
F34	02 May 2016	1030	1	<2	ns	17.74	88.06	7.7	33.57	8.2
F34	02 May 2016	1030	25	<2	ns	13.41	85.25	7.3	33.47	8.1
F34	02 May 2016	1030	60	<2	ns	10.71	90.18	4.9	33.59	7.9
F34	02 May 2016	1030	80	<2	ns	10.16	89.90	4.1	33.78	7.8
F34	02 May 2016	1030	98	<2	ns	9.92	86.37	3.7	33.88	7.8
F35	02 May 2016	1015	1	<2	ns	17.75	88.05	7.7	33.57	8.2
F35	02 May 2016	1015	25	<2	ns	13.54	84.44	7.7	33.48	8.1
F35	02 May 2016	1015	60	<2	ns	10.70	90.08	5.0	33.55	7.9
F35	02 May 2016	1015	80	<2	ns	10.47	90.19	4.3	33.74	7.8
F35	02 May 2016	1015	98	<2	ns	9.84	88.19	3.8	33.86	7.8
F36	02 May 2016	953	1	<2	ns	17.72	87.83	7.7	33.57	8.2
F36	02 May 2016	953	25	<2	ns	14.20	85.50	8.1	33.50	8.2
F36	02 May 2016	953	60	<2	ns	10.66	90.23	5.0	33.55	7.9
F36	02 May 2016	953	80	<2	ns	10.60	90.21	4.2	33.73	7.8
F36	02 May 2016	953	98	<2	ns	9.89	89.59	4.0	33.83	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	03 May 2016	Depth (m)	18
F01	03 May 2016	Arrive Time	1229
F01	03 May 2016	Depart Time	1234
F01	03 May 2016	Air Temp (C)	16
F01	03 May 2016	Weather	Overcast
F01	03 May 2016	Visibility (mi)	6
F01	03 May 2016	Wind Speed (kts)	10
F01	03 May 2016	Wind Dir	S
F01	03 May 2016	Water Color	Green
F01	03 May 2016	Wave Ht Low (ft)	2
F01	03 May 2016	Wave Period (sec)	9
F01	03 May 2016	Sea State	Light chop
F01	03 May 2016	High Tide (ft)	4.55
F01	03 May 2016	High Tide Time	706
F01	03 May 2016	Low Tide (ft)	0.01
F01	03 May 2016	Low Tide Time	1322
F01	03 May 2016	Comments	Boats
F02	03 May 2016	Depth (m)	20
F02	03 May 2016	Arrive Time	834
F02	03 May 2016	Depart Time	844
F02	03 May 2016	Air Temp (C)	16
F02	03 May 2016	Weather	Continuous layer of clouds
F02	03 May 2016	Visibility (mi)	2
F02	03 May 2016	Wind Speed (kts)	4
F02	03 May 2016	Wind Dir	NE
F02	03 May 2016	Water Color	Green
F02	03 May 2016	Wave Ht Low (ft)	2
F02	03 May 2016	Wave Period (sec)	9
F02	03 May 2016	Sea State	Calm
F02	03 May 2016	High Tide (ft)	4.55
F02	03 May 2016	High Tide Time	706
F02	03 May 2016	Low Tide (ft)	0.01
F02	03 May 2016	Low Tide Time	1322
F02	03 May 2016	Comments	
F03	03 May 2016	Depth (m)	19
F03	03 May 2016	Arrive Time	859
F03	03 May 2016	Depart Time	906
F03	03 May 2016	Air Temp (C)	16
F03	03 May 2016	Weather	Continuous layer of clouds
F03	03 May 2016	Visibility (mi)	2
F03	03 May 2016	Wind Speed (kts)	6
F03	03 May 2016	Wind Dir	SW
F03	03 May 2016	Water Color	Green
F03	03 May 2016	Wave Ht Low (ft)	2
F03	03 May 2016	Wave Period (sec)	9
F03	03 May 2016	Sea State	Calm
F03	03 May 2016	High Tide (ft)	4.55
F03	03 May 2016	High Tide Time	706
F03	03 May 2016	Low Tide (ft)	0.01



Station	Date	Parameter	Value
F03	03 May 2016	Low Tide Time	1322
F03	03 May 2016	Comments	Boats
F04	03 May 2016	Depth (m)	60
F04	03 May 2016	Arrive Time	1159
F04	03 May 2016	Depart Time	1205
F04	03 May 2016	Air Temp (C)	16
F04	03 May 2016	Weather	Overcast
F04	03 May 2016	Visibility (mi)	6
F04	03 May 2016	Wind Speed (kts)	7
F04	03 May 2016	Wind Dir	W
F04	03 May 2016	Water Color	Green
F04	03 May 2016	Wave Ht Low (ft)	2
F04	03 May 2016	Wave Period (sec)	9
F04	03 May 2016	Sea State	Light chop
F04	03 May 2016	High Tide (ft)	4.55
F04	03 May 2016	High Tide Time	706
F04	03 May 2016	Low Tide (ft)	0.01
F04	03 May 2016	Low Tide Time	1322
F04	03 May 2016	Comments	
F05	03 May 2016	Depth (m)	60
F05	03 May 2016	Arrive Time	1146
F05	03 May 2016	Depart Time	1151
F05	03 May 2016	Air Temp (C)	16
F05	03 May 2016	Weather	Overcast
F05	03 May 2016	Visibility (mi)	6
F05	03 May 2016	Wind Speed (kts)	6
F05	03 May 2016	Wind Dir	S
F05	03 May 2016	Water Color	Green
F05	03 May 2016	Wave Ht Low (ft)	2
F05	03 May 2016	Wave Period (sec)	9
F05	03 May 2016	Sea State	Calm
F05	03 May 2016	High Tide (ft)	4.55
F05	03 May 2016	High Tide Time	706
F05	03 May 2016	Low Tide (ft)	0.01
F05	03 May 2016	Low Tide Time	1322
F05	03 May 2016	Comments	
F06	03 May 2016	Depth (m)	60
F06	03 May 2016	Arrive Time	1131
F06	03 May 2016	Depart Time	1140
F06	03 May 2016	Air Temp (C)	16
F06	03 May 2016	Weather	Overcast
F06	03 May 2016	Visibility (mi)	4
F06	03 May 2016	Wind Speed (kts)	9
F06	03 May 2016	Wind Dir	W
F06	03 May 2016	Water Color	Greenish-Blue
F06	03 May 2016	Wave Ht Low (ft)	2
F06	03 May 2016	Wave Period (sec)	9
F06	03 May 2016	Sea State	Calm
F06	03 May 2016	High Tide (ft)	4.55
F06	03 May 2016	High Tide Time	706
F06	03 May 2016	Low Tide (ft)	0.01
F06	03 May 2016	Low Tide Time	1322

Station	Date	Parameter	Value
F06	03 May 2016	Comments	
F07	03 May 2016	Depth (m)	63
F07	03 May 2016	Arrive Time	1114
F07	03 May 2016	Depart Time	1124
F07	03 May 2016	Air Temp (C)	16
F07	03 May 2016	Weather	Overcast
F07	03 May 2016	Visibility (mi)	4
F07	03 May 2016	Wind Speed (kts)	7
F07	03 May 2016	Wind Dir	E
F07	03 May 2016	Water Color	Greenish-Blue
F07	03 May 2016	Wave Ht Low (ft)	2
F07	03 May 2016	Wave Period (sec)	9
F07	03 May 2016	Sea State	Calm
F07	03 May 2016	High Tide (ft)	4.55
F07	03 May 2016	High Tide Time	706
F07	03 May 2016	Low Tide (ft)	0.01
F07	03 May 2016	Low Tide Time	1322
F07	03 May 2016	Comments	
F08	03 May 2016	Depth (m)	58
F08	03 May 2016	Arrive Time	1059
F08	03 May 2016	Depart Time	1104
F08	03 May 2016	Air Temp (C)	16
F08	03 May 2016	Weather	Overcast
F08	03 May 2016	Visibility (mi)	4
F08	03 May 2016	Wind Speed (kts)	9
F08	03 May 2016	Wind Dir	E
F08	03 May 2016	Water Color	Greenish-Blue
F08	03 May 2016	Wave Ht Low (ft)	2
F08	03 May 2016	Wave Period (sec)	9
F08	03 May 2016	Sea State	Calm
F08	03 May 2016	High Tide (ft)	4.55
F08	03 May 2016	High Tide Time	706
F08	03 May 2016	Low Tide (ft)	0.01
F08	03 May 2016	Low Tide Time	1322
F08	03 May 2016	Comments	
F09	03 May 2016	Depth (m)	61
F09	03 May 2016	Arrive Time	1045
F09	03 May 2016	Depart Time	1051
F09	03 May 2016	Air Temp (C)	16
F09	03 May 2016	Weather	Overcast
F09	03 May 2016	Visibility (mi)	4
F09	03 May 2016	Wind Speed (kts)	7
F09	03 May 2016	Wind Dir	NW
F09	03 May 2016	Water Color	Greenish-Blue
F09	03 May 2016	Wave Ht Low (ft)	2
F09	03 May 2016	Wave Period (sec)	9
F09	03 May 2016	Sea State	Calm
F09	03 May 2016	High Tide (ft)	4.55
F09	03 May 2016	High Tide Time	706
F09	03 May 2016	Low Tide (ft)	0.01
F09	03 May 2016	Low Tide Time	1322
F09	03 May 2016	Comments	

Station	Date	Parameter	Value
F10	03 May 2016	Depth (m)	61
F10	03 May 2016	Arrive Time	1029
F10	03 May 2016	Depart Time	1033
F10	03 May 2016	Air Temp (C)	16
F10	03 May 2016	Weather	Overcast
F10	03 May 2016	Visibility (mi)	4
F10	03 May 2016	Wind Speed (kts)	7
F10	03 May 2016	Wind Dir	W
F10	03 May 2016	Water Color	Greenish-Blue
F10	03 May 2016	Wave Ht Low (ft)	2
F10	03 May 2016	Wave Period (sec)	9
F10	03 May 2016	Sea State	Calm
F10	03 May 2016	High Tide (ft)	4.55
F10	03 May 2016	High Tide Time	706
F10	03 May 2016	Low Tide (ft)	0.01
F10	03 May 2016	Low Tide Time	1322
F10	03 May 2016	Comments	
F11	03 May 2016	Depth (m)	60
F11	03 May 2016	Arrive Time	1013
F11	03 May 2016	Depart Time	1020
F11	03 May 2016	Air Temp (C)	16
F11	03 May 2016	Weather	Overcast
F11	03 May 2016	Visibility (mi)	4
F11	03 May 2016	Wind Speed (kts)	7
F11	03 May 2016	Wind Dir	SE
F11	03 May 2016	Water Color	Green
F11	03 May 2016	Wave Ht Low (ft)	2
F11	03 May 2016	Wave Period (sec)	9
F11	03 May 2016	Sea State	Calm
F11	03 May 2016	High Tide (ft)	4.55
F11	03 May 2016	High Tide Time	706
F11	03 May 2016	Low Tide (ft)	0.01
F11	03 May 2016	Low Tide Time	1322
F11	03 May 2016	Comments	
F12	03 May 2016	Depth (m)	61
F12	03 May 2016	Arrive Time	956
F12	03 May 2016	Depart Time	1002
F12	03 May 2016	Air Temp (C)	16
F12	03 May 2016	Weather	Overcast
F12	03 May 2016	Visibility (mi)	4
F12	03 May 2016	Wind Speed (kts)	6
F12	03 May 2016	Wind Dir	W
F12	03 May 2016	Water Color	Green
F12	03 May 2016	Wave Ht Low (ft)	2
F12	03 May 2016	Wave Period (sec)	9
F12	03 May 2016	Sea State	Calm
F12	03 May 2016	High Tide (ft)	4.55
F12	03 May 2016	High Tide Time	706
F12	03 May 2016	Low Tide (ft)	0.01
F12	03 May 2016	Low Tide Time	1322
F12	03 May 2016	Comments	

Station	Date	Parameter	Value
F13	03 May 2016	Depth (m)	61
F13	03 May 2016	Arrive Time	939
F13	03 May 2016	Depart Time	947
F13	03 May 2016	Air Temp (C)	16
F13	03 May 2016	Weather	Overcast
F13	03 May 2016	Visibility (mi)	4
F13	03 May 2016	Wind Speed (kts)	5
F13	03 May 2016	Wind Dir	NE
F13	03 May 2016	Water Color	Green
F13	03 May 2016	Wave Ht Low (ft)	2
F13	03 May 2016	Wave Period (sec)	9
F13	03 May 2016	Sea State	Calm
F13	03 May 2016	High Tide (ft)	4.55
F13	03 May 2016	High Tide Time	706
F13	03 May 2016	Low Tide (ft)	0.01
F13	03 May 2016	Low Tide Time	1322
F13	03 May 2016	Comments	
F14	03 May 2016	Depth (m)	60
F14	03 May 2016	Arrive Time	924
F14	03 May 2016	Depart Time	933
F14	03 May 2016	Air Temp (C)	16
F14	03 May 2016	Weather	Overcast
F14	03 May 2016	Visibility (mi)	4
F14	03 May 2016	Wind Speed (kts)	5
F14	03 May 2016	Wind Dir	SW
F14	03 May 2016	Water Color	Green
F14	03 May 2016	Wave Ht Low (ft)	2
F14	03 May 2016	Wave Period (sec)	9
F14	03 May 2016	Sea State	Calm
F14	03 May 2016	High Tide (ft)	4.55
F14	03 May 2016	High Tide Time	706
F14	03 May 2016	Low Tide (ft)	0.01
F14	03 May 2016	Low Tide Time	1322
F14	03 May 2016	Comments	
F15	04 May 2016	Depth (m)	81
F15	04 May 2016	Arrive Time	1200
F15	04 May 2016	Depart Time	1205
F15	04 May 2016	Air Temp (C)	15
F15	04 May 2016	Weather	Continuous layer of clouds
F15	04 May 2016	Visibility (mi)	8
F15	04 May 2016	Wind Speed (kts)	6
F15	04 May 2016	Wind Dir	NW
F15	04 May 2016	Water Color	Bluish-Green
F15	04 May 2016	Wave Ht Low (ft)	4
F15	04 May 2016	Wave Period (sec)	11
F15	04 May 2016	Sea State	Wind ripples
F15	04 May 2016	High Tide (ft)	4.71
F15	04 May 2016	High Tide Time	800
F15	04 May 2016	Low Tide (ft)	0.06
F15	04 May 2016	Low Tide Time	1403
F15	04 May 2016	Comments	
F16	04 May 2016	Depth (m)	82

Station	Date	Parameter	Value
F16	04 May 2016	Arrive Time	1143
F16	04 May 2016	Depart Time	1149
F16	04 May 2016	Air Temp (C)	15
F16	04 May 2016	Weather	Continuous layer of clouds
F16	04 May 2016	Visibility (mi)	8
F16	04 May 2016	Wind Speed (kts)	7
F16	04 May 2016	Wind Dir	SE
F16	04 May 2016	Water Color	Bluish-Green
F16	04 May 2016	Wave Ht Low (ft)	4
F16	04 May 2016	Wave Period (sec)	11
F16	04 May 2016	Sea State	Wind ripples
F16	04 May 2016	High Tide (ft)	4.71
F16	04 May 2016	High Tide Time	800
F16	04 May 2016	Low Tide (ft)	0.06
F16	04 May 2016	Low Tide Time	1403
F16	04 May 2016	Comments	
F17	04 May 2016	Depth (m)	80
F17	04 May 2016	Arrive Time	1127
F17	04 May 2016	Depart Time	1131
F17	04 May 2016	Air Temp (C)	15
F17	04 May 2016	Weather	Continuous layer of clouds
F17	04 May 2016	Visibility (mi)	8
F17	04 May 2016	Wind Speed (kts)	7
F17	04 May 2016	Wind Dir	SW
F17	04 May 2016	Water Color	Bluish-Green
F17	04 May 2016	Wave Ht Low (ft)	4
F17	04 May 2016	Wave Period (sec)	11
F17	04 May 2016	Sea State	Wind ripples
F17	04 May 2016	High Tide (ft)	4.71
F17	04 May 2016	High Tide Time	800
F17	04 May 2016	Low Tide (ft)	0.06
F17	04 May 2016	Low Tide Time	1403
F17	04 May 2016	Comments	
F18	04 May 2016	Depth (m)	80
F18	04 May 2016	Arrive Time	1109
F18	04 May 2016	Depart Time	1114
F18	04 May 2016	Air Temp (C)	16
F18	04 May 2016	Weather	Continuous layer of clouds
F18	04 May 2016	Visibility (mi)	8
F18	04 May 2016	Wind Speed (kts)	6
F18	04 May 2016	Wind Dir	NE
F18	04 May 2016	Water Color	Bluish-Green
F18	04 May 2016	Wave Ht Low (ft)	4
F18	04 May 2016	Wave Period (sec)	11
F18	04 May 2016	Sea State	Wind ripples
F18	04 May 2016	High Tide (ft)	4.71
F18	04 May 2016	High Tide Time	800
F18	04 May 2016	Low Tide (ft)	0.06
F18	04 May 2016	Low Tide Time	1403
F18	04 May 2016	Comments	
F19	04 May 2016	Depth (m)	80
F19	04 May 2016	Arrive Time	1050

Station	Date	Parameter	Value
F19	04 May 2016	Depart Time	1058
F19	04 May 2016	Air Temp (C)	15
F19	04 May 2016	Weather	Continuous layer of clouds
F19	04 May 2016	Visibility (mi)	8
F19	04 May 2016	Wind Speed (kts)	8
F19	04 May 2016	Wind Dir	NE
F19	04 May 2016	Water Color	Bluish-Green
F19	04 May 2016	Wave Ht Low (ft)	4
F19	04 May 2016	Wave Period (sec)	11
F19	04 May 2016	Sea State	Wind ripples
F19	04 May 2016	High Tide (ft)	4.71
F19	04 May 2016	High Tide Time	800
F19	04 May 2016	Low Tide (ft)	0.06
F19	04 May 2016	Low Tide Time	1403
F19	04 May 2016	Comments	
F20	04 May 2016	Depth (m)	80
F20	04 May 2016	Arrive Time	1035
F20	04 May 2016	Depart Time	1038
F20	04 May 2016	Air Temp (C)	15
F20	04 May 2016	Weather	Continuous layer of clouds
F20	04 May 2016	Visibility (mi)	8
F20	04 May 2016	Wind Speed (kts)	6
F20	04 May 2016	Wind Dir	SE
F20	04 May 2016	Water Color	Bluish-Green
F20	04 May 2016	Wave Ht Low (ft)	4
F20	04 May 2016	Wave Period (sec)	11
F20	04 May 2016	Sea State	Wind ripples
F20	04 May 2016	High Tide (ft)	4.71
F20	04 May 2016	High Tide Time	800
F20	04 May 2016	Low Tide (ft)	0.06
F20	04 May 2016	Low Tide Time	1403
F20	04 May 2016	Comments	
F21	04 May 2016	Depth (m)	80
F21	04 May 2016	Arrive Time	1018
F21	04 May 2016	Depart Time	1022
F21	04 May 2016	Air Temp (C)	15
F21	04 May 2016	Weather	Continuous layer of clouds
F21	04 May 2016	Visibility (mi)	8
F21	04 May 2016	Wind Speed (kts)	7
F21	04 May 2016	Wind Dir	SW
F21	04 May 2016	Water Color	Bluish-Green
F21	04 May 2016	Wave Ht Low (ft)	4
F21	04 May 2016	Wave Period (sec)	11
F21	04 May 2016	Sea State	Wind ripples
F21	04 May 2016	High Tide (ft)	4.71
F21	04 May 2016	High Tide Time	800
F21	04 May 2016	Low Tide (ft)	0.06
F21	04 May 2016	Low Tide Time	1403
F21	04 May 2016	Comments	
F22	04 May 2016	Depth (m)	80
F22	04 May 2016	Arrive Time	959
F22	04 May 2016	Depart Time	1004

Station	Date	Parameter	Value
F22	04 May 2016	Air Temp (C)	16
F22	04 May 2016	Weather	Continuous layer of clouds
F22	04 May 2016	Visibility (mi)	8
F22	04 May 2016	Wind Speed (kts)	7
F22	04 May 2016	Wind Dir	NW
F22	04 May 2016	Water Color	Bluish-Green
F22	04 May 2016	Wave Ht Low (ft)	4
F22	04 May 2016	Wave Period (sec)	11
F22	04 May 2016	Sea State	Wind ripples
F22	04 May 2016	High Tide (ft)	4.71
F22	04 May 2016	High Tide Time	800
F22	04 May 2016	Low Tide (ft)	0.06
F22	04 May 2016	Low Tide Time	1403
F22	04 May 2016	Comments	
F24	04 May 2016	Depth (m)	80
F24	04 May 2016	Arrive Time	924
F24	04 May 2016	Depart Time	929
F24	04 May 2016	Air Temp (C)	16
F24	04 May 2016	Weather	Continuous layer of clouds
F24	04 May 2016	Visibility (mi)	8
F24	04 May 2016	Wind Speed (kts)	3
F24	04 May 2016	Wind Dir	W
F24	04 May 2016	Water Color	Bluish-Green
F24	04 May 2016	Wave Ht Low (ft)	4
F24	04 May 2016	Wave Period (sec)	11
F24	04 May 2016	Sea State	Wind ripples
F24	04 May 2016	High Tide (ft)	4.71
F24	04 May 2016	High Tide Time	800
F24	04 May 2016	Low Tide (ft)	0.06
F24	04 May 2016	Low Tide Time	1403
F24	04 May 2016	Comments	
F25	04 May 2016	Depth (m)	80
F25	04 May 2016	Arrive Time	855
F25	04 May 2016	Depart Time	911
F25	04 May 2016	Air Temp (C)	15
F25	04 May 2016	Weather	Continuous layer of clouds
F25	04 May 2016	Visibility (mi)	8
F25	04 May 2016	Wind Speed (kts)	2
F25	04 May 2016	Wind Dir	SE
F25	04 May 2016	Water Color	Bluish-Green
F25	04 May 2016	Wave Ht Low (ft)	4
F25	04 May 2016	Wave Period (sec)	11
F25	04 May 2016	Sea State	Wind ripples
F25	04 May 2016	High Tide (ft)	4.71
F25	04 May 2016	High Tide Time	800
F25	04 May 2016	Low Tide (ft)	0.06
F25	04 May 2016	Low Tide Time	1403
F25	04 May 2016	Comments	
F26	02 May 2016	Depth (m)	98
F26	02 May 2016	Arrive Time	1244
F26	02 May 2016	Depart Time	1250
F26	02 May 2016	Air Temp (C)	16

Station	Date	Parameter	Value
F26	02 May 2016	Weather	Clear
F26	02 May 2016	Visibility (mi)	8
F26	02 May 2016	Wind Speed (kts)	12
F26	02 May 2016	Wind Dir	SW
F26	02 May 2016	Water Color	Blue
F26	02 May 2016	Wave Ht Low (ft)	2
F26	02 May 2016	Wave Period (sec)	9
F26	02 May 2016	Sea State	Calm
F26	02 May 2016	High Tide (ft)	4.31
F26	02 May 2016	High Tide Time	607
F26	02 May 2016	Low Tide (ft)	0.06
F26	02 May 2016	Low Tide Time	1239
F26	02 May 2016	Comments	
F27	02 May 2016	Depth (m)	98
F27	02 May 2016	Arrive Time	1230
F27	02 May 2016	Depart Time	1235
F27	02 May 2016	Air Temp (C)	16
F27	02 May 2016	Weather	Clear
F27	02 May 2016	Visibility (mi)	8
F27	02 May 2016	Wind Speed (kts)	10
F27	02 May 2016	Wind Dir	NE
F27	02 May 2016	Water Color	Blue
F27	02 May 2016	Wave Ht Low (ft)	2
F27	02 May 2016	Wave Period (sec)	9
F27	02 May 2016	Sea State	Calm
F27	02 May 2016	High Tide (ft)	4.31
F27	02 May 2016	High Tide Time	607
F27	02 May 2016	Low Tide (ft)	0.06
F27	02 May 2016	Low Tide Time	1239
F27	02 May 2016	Comments	
F28	02 May 2016	Depth (m)	99
F28	02 May 2016	Arrive Time	1213
F28	02 May 2016	Depart Time	1220
F28	02 May 2016	Air Temp (C)	16
F28	02 May 2016	Weather	Clear
F28	02 May 2016	Visibility (mi)	8
F28	02 May 2016	Wind Speed (kts)	12
F28	02 May 2016	Wind Dir	NE
F28	02 May 2016	Water Color	Blue
F28	02 May 2016	Wave Ht Low (ft)	2
F28	02 May 2016	Wave Period (sec)	9
F28	02 May 2016	Sea State	Calm
F28	02 May 2016	High Tide (ft)	4.31
F28	02 May 2016	High Tide Time	607
F28	02 May 2016	Low Tide (ft)	0.06
F28	02 May 2016	Low Tide Time	1239
F28	02 May 2016	Comments	
F29	02 May 2016	Depth (m)	98
F29	02 May 2016	Arrive Time	1157
F29	02 May 2016	Depart Time	1204
F29	02 May 2016	Air Temp (C)	16
F29	02 May 2016	Weather	Clear



Station	Date	Parameter	Value
F29	02 May 2016	Visibility (mi)	8
F29	02 May 2016	Wind Speed (kts)	12
F29	02 May 2016	Wind Dir	NW
F29	02 May 2016	Water Color	Blue
F29	02 May 2016	Wave Ht Low (ft)	2
F29	02 May 2016	Wave Period (sec)	9
F29	02 May 2016	Sea State	Calm
F29	02 May 2016	High Tide (ft)	4.31
F29	02 May 2016	High Tide Time	607
F29	02 May 2016	Low Tide (ft)	0.06
F29	02 May 2016	Low Tide Time	1239
F29	02 May 2016	Comments	
F30	02 May 2016	Depth (m)	98
F30	02 May 2016	Arrive Time	1134
F30	02 May 2016	Depart Time	1147
F30	02 May 2016	Air Temp (C)	16
F30	02 May 2016	Weather	Clear
F30	02 May 2016	Visibility (mi)	8
F30	02 May 2016	Wind Speed (kts)	9
F30	02 May 2016	Wind Dir	SW
F30	02 May 2016	Water Color	Blue
F30	02 May 2016	Wave Ht Low (ft)	2
F30	02 May 2016	Wave Period (sec)	9
F30	02 May 2016	Sea State	Calm
F30	02 May 2016	High Tide (ft)	4.31
F30	02 May 2016	High Tide Time	607
F30	02 May 2016	Low Tide (ft)	0.06
F30	02 May 2016	Low Tide Time	1239
F30	02 May 2016	Comments	
F31	02 May 2016	Depth (m)	99
F31	02 May 2016	Arrive Time	1117
F31	02 May 2016	Depart Time	1123
F31	02 May 2016	Air Temp (C)	16
F31	02 May 2016	Weather	Haze
F31	02 May 2016	Visibility (mi)	8
F31	02 May 2016	Wind Speed (kts)	9
F31	02 May 2016	Wind Dir	NE
F31	02 May 2016	Water Color	Blue
F31	02 May 2016	Wave Ht Low (ft)	2
F31	02 May 2016	Wave Period (sec)	9
F31	02 May 2016	Sea State	Calm
F31	02 May 2016	High Tide (ft)	4.31
F31	02 May 2016	High Tide Time	607
F31	02 May 2016	Low Tide (ft)	0.06
F31	02 May 2016	Low Tide Time	1239
F31	02 May 2016	Comments	
F32	02 May 2016	Depth (m)	101
F32	02 May 2016	Arrive Time	1101
F32	02 May 2016	Depart Time	1108
F32	02 May 2016	Air Temp (C)	16
F32	02 May 2016	Weather	Haze
F32	02 May 2016	Visibility (mi)	8

Station	Date	Parameter	Value
F32	02 May 2016	Wind Speed (kts)	8
F32	02 May 2016	Wind Dir	W
F32	02 May 2016	Water Color	Blue
F32	02 May 2016	Wave Ht Low (ft)	2
F32	02 May 2016	Wave Period (sec)	9
F32	02 May 2016	Sea State	Calm
F32	02 May 2016	High Tide (ft)	4.31
F32	02 May 2016	High Tide Time	607
F32	02 May 2016	Low Tide (ft)	0.06
F32	02 May 2016	Low Tide Time	1239
F32	02 May 2016	Comments	
F33	02 May 2016	Depth (m)	101
F33	02 May 2016	Arrive Time	1046
F33	02 May 2016	Depart Time	1052
F33	02 May 2016	Air Temp (C)	16
F33	02 May 2016	Weather	Haze
F33	02 May 2016	Visibility (mi)	8
F33	02 May 2016	Wind Speed (kts)	8
F33	02 May 2016	Wind Dir	W
F33	02 May 2016	Water Color	Blue
F33	02 May 2016	Wave Ht Low (ft)	2
F33	02 May 2016	Wave Period (sec)	9
F33	02 May 2016	Sea State	Calm
F33	02 May 2016	High Tide (ft)	4.31
F33	02 May 2016	High Tide Time	607
F33	02 May 2016	Low Tide (ft)	0.06
F33	02 May 2016	Low Tide Time	1239
F33	02 May 2016	Comments	
F34	02 May 2016	Depth (m)	101
F34	02 May 2016	Arrive Time	1030
F34	02 May 2016	Depart Time	1036
F34	02 May 2016	Air Temp (C)	16
F34	02 May 2016	Weather	Haze
F34	02 May 2016	Visibility (mi)	8
F34	02 May 2016	Wind Speed (kts)	7
F34	02 May 2016	Wind Dir	NE
F34	02 May 2016	Water Color	Blue
F34	02 May 2016	Wave Ht Low (ft)	2
F34	02 May 2016	Wave Period (sec)	9
F34	02 May 2016	Sea State	Calm
F34	02 May 2016	High Tide (ft)	4.31
F34	02 May 2016	High Tide Time	607
F34	02 May 2016	Low Tide (ft)	0.06
F34	02 May 2016	Low Tide Time	1239
F34	02 May 2016	Comments	
F35	02 May 2016	Depth (m)	99
F35	02 May 2016	Arrive Time	1015
F35	02 May 2016	Depart Time	1020
F35	02 May 2016	Air Temp (C)	16
F35	02 May 2016	Weather	Haze
F35	02 May 2016	Visibility (mi)	8
F35	02 May 2016	Wind Speed (kts)	6

Station	Date	Parameter	Value
F35	02 May 2016	Wind Dir	S
F35	02 May 2016	Water Color	Blue
F35	02 May 2016	Wave Ht Low (ft)	2
F35	02 May 2016	Wave Period (sec)	9
F35	02 May 2016	Sea State	Calm
F35	02 May 2016	High Tide (ft)	4.31
F35	02 May 2016	High Tide Time	607
F35	02 May 2016	Low Tide (ft)	0.06
F35	02 May 2016	Low Tide Time	1239
F35	02 May 2016	Comments	
F36	02 May 2016	Depth (m)	99
F36	02 May 2016	Arrive Time	953
F36	02 May 2016	Depart Time	1003
F36	02 May 2016	Air Temp (C)	16
F36	02 May 2016	Weather	Haze
F36	02 May 2016	Visibility (mi)	8
F36	02 May 2016	Wind Speed (kts)	7
F36	02 May 2016	Wind Dir	S
F36	02 May 2016	Water Color	Blue
F36	02 May 2016	Wave Ht Low (ft)	2
F36	02 May 2016	Wave Period (sec)	9
F36	02 May 2016	Sea State	Calm
F36	02 May 2016	High Tide (ft)	4.31
F36	02 May 2016	High Tide Time	607
F36	02 May 2016	Low Tide (ft)	0.06
F36	02 May 2016	Low Tide Time	1239
F36	02 May 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 ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F01	03 May 2016	1	17.69	82.68	7.8	33.58	8.2	24.3	0.69
F01	03 May 2016	2	17.68	82.62	7.8	33.58	8.2	24.3	0.70
F01	03 May 2016	3	17.59	82.23	7.7	33.58	8.2	24.3	0.69
F01	03 May 2016	4	17.58	82.22	7.7	33.58	8.2	24.3	0.71
F01	03 May 2016	5	17.14	79.38	7.8	33.63	8.2	24.4	0.77
F01	03 May 2016	6	16.66	75.12	7.5	33.59	8.2	24.5	0.86
F01	03 May 2016	7	16.06	76.11	7.2	33.58	8.1	24.6	0.97
F01	03 May 2016	8	15.63	76.48	6.9	33.60	8.1	24.8	1.45
F01	03 May 2016	9	15.22	77.36	6.7	33.55	8.1	24.8	1.81
F01	03 May 2016	10	15.16	77.87	6.4	33.55	8.1	24.8	2.02
F01	03 May 2016	11	14.93	78.26	6.3	33.55	8.1	24.9	2.06
F01	03 May 2016	12	14.69	78.56	6.3	33.55	8.1	24.9	2.12
F01	03 May 2016	13	14.37	78.90	6.3	33.57	8.1	25.0	2.20
F01	03 May 2016	14	14.18	79.14	6.2	33.54	8.1	25.0	2.31
F01	03 May 2016	15	14.03	79.69	6.1	33.54	8.1	25.1	2.48
F01	03 May 2016	16	13.70	81.02	5.9	33.56	8.0	25.1	2.62
F01	03 May 2016	17	13.50	81.60	5.5	33.54	8.0	25.2	2.66
F01	03 May 2016	18	12.97	80.02	5.2	33.59	8.0	25.3	2.51
F01	03 May 2016	19	12.64	76.61	4.9	33.54	7.9	25.3	2.06
F01	03 May 2016	20	12.72	61.33	5.1	33.56	8.0	25.3	1.54
F02	03 May 2016	1	18.35	86.21	7.7	33.60	8.2	24.1	0.47
F02	03 May 2016	2	18.35	86.28	7.7	33.60	8.2	24.1	0.45
F02	03 May 2016	3	18.35	86.30	7.7	33.60	8.2	24.1	0.45
F02	03 May 2016	4	18.34	86.19	7.7	33.60	8.2	24.1	0.45
F02	03 May 2016	5	18.33	86.07	7.7	33.60	8.2	24.1	0.49
F02	03 May 2016	6	18.33	85.95	7.7	33.60	8.2	24.1	0.47
F02	03 May 2016	7	18.27	85.39	7.6	33.60	8.2	24.1	0.50
F02	03 May 2016	8	18.19	84.98	7.6	33.59	8.2	24.1	0.52
F02	03 May 2016	9	18.12	84.83	7.6	33.59	8.2	24.2	0.59
F02	03 May 2016	10	18.00	85.42	7.6	33.59	8.2	24.2	0.76
F02	03 May 2016	11	17.79	85.47	7.7	33.60	8.2	24.3	0.93
F02	03 May 2016	12	17.19	85.45	7.7	33.59	8.2	24.4	1.07
F02	03 May 2016	13	16.63	85.09	7.6	33.59	8.2	24.5	1.07
F02	03 May 2016	14	16.04	84.10	7.6	33.55	8.2	24.6	0.98
F02	03 May 2016	15	14.91	83.72	7.7	33.63	8.2	24.9	1.11
F02	03 May 2016	16	13.80	82.62	7.2	33.50	8.1	25.1	1.37
F02	03 May 2016	17	13.58	82.48	6.6	33.50	8.1	25.1	1.64
F02	03 May 2016	18	13.35	82.63	6.4	33.49	8.1	25.2	1.83
F02	03 May 2016	19	13.24	82.67	6.2	33.49	8.1	25.2	1.94
F02	03 May 2016	20	13.19	82.73	6.0	33.51	8.0	25.2	2.11
F03	03 May 2016	1	18.43	85.59	7.7	33.60	8.2	24.1	0.45
F03	03 May 2016	2	18.42	85.60	7.8	33.60	8.2	24.1	0.44
F03	03 May 2016	3	18.38	85.53	7.7	33.60	8.2	24.1	0.45
F03	03 May 2016	4	18.35	85.40	7.7	33.60	8.2	24.1	0.45
F03	03 May 2016	5	18.31	85.23	7.7	33.60	8.2	24.1	0.46
F03	03 May 2016	6	18.22	85.05	7.7	33.59	8.2	24.1	0.49
F03	03 May 2016	7	18.23	84.89	7.7	33.59	8.2	24.1	0.58
F03	03 May 2016	8	18.15	84.78	7.8	33.59	8.2	24.2	0.62
F03	03 May 2016	9	18.14	84.91	7.7	33.59	8.2	24.2	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F03	03 May 2016	10	18.05	84.90	7.8	33.59	8.2	24.2	0.81
F03	03 May 2016	11	17.94	83.14	7.7	33.60	8.2	24.2	0.91
F03	03 May 2016	12	17.40	84.27	7.8	33.59	8.2	24.3	0.94
F03	03 May 2016	13	16.86	84.59	7.6	33.65	8.2	24.5	0.96
F03	03 May 2016	14	15.16	82.85	7.4	33.57	8.1	24.8	1.04
F03	03 May 2016	15	14.03	82.21	6.8	33.61	8.1	25.1	1.09
F03	03 May 2016	16	13.51	79.98	6.1	33.51	8.0	25.1	1.12
F03	03 May 2016	17	13.21	77.87	5.8	33.53	8.0	25.2	1.21
F03	03 May 2016	18	12.98	77.13	5.5	33.54	8.0	25.3	1.37
F03	03 May 2016	19	12.85	76.74	5.3	33.55	8.0	25.3	1.52
F04	03 May 2016	1	18.33	85.04	7.6	33.58	8.2	24.1	0.48
F04	03 May 2016	2	18.34	84.96	7.6	33.59	8.2	24.1	0.48
F04	03 May 2016	3	17.98	85.56	7.7	33.62	8.2	24.2	0.48
F04	03 May 2016	4	17.34	86.80	7.7	33.60	8.2	24.4	0.48
F04	03 May 2016	5	16.10	86.14	7.7	33.62	8.2	24.7	0.49
F04	03 May 2016	6	14.81	81.99	8.0	33.52	8.2	24.9	0.48
F04	03 May 2016	7	14.33	80.76	8.4	33.48	8.2	24.9	0.47
F04	03 May 2016	8	13.99	78.13	8.7	33.42	8.2	25.0	0.53
F04	03 May 2016	9	13.85	78.43	8.6	33.43	8.2	25.0	0.74
F04	03 May 2016	10	13.59	80.49	8.0	33.41	8.2	25.0	1.05
F04	03 May 2016	11	13.18	81.12	7.6	33.42	8.1	25.1	1.75
F04	03 May 2016	12	13.06	82.23	7.3	33.37	8.1	25.1	2.27
F04	03 May 2016	13	12.92	82.50	6.8	33.44	8.1	25.2	2.67
F04	03 May 2016	14	12.85	83.63	6.6	33.38	8.1	25.2	2.81
F04	03 May 2016	15	12.74	84.16	6.5	33.43	8.1	25.2	2.84
F04	03 May 2016	16	12.70	84.85	6.4	33.40	8.1	25.2	2.79
F04	03 May 2016	17	12.56	85.36	6.4	33.44	8.1	25.3	2.70
F04	03 May 2016	18	12.43	85.96	6.3	33.43	8.0	25.3	2.73
F04	03 May 2016	19	12.35	85.84	6.0	33.45	8.0	25.3	2.74
F04	03 May 2016	20	12.32	85.23	5.8	33.48	8.0	25.3	2.62
F04	03 May 2016	21	12.32	85.11	5.4	33.48	8.0	25.4	2.45
F04	03 May 2016	22	12.28	85.04	5.3	33.50	8.0	25.4	2.39
F04	03 May 2016	23	12.24	85.04	5.3	33.50	8.0	25.4	2.42
F04	03 May 2016	24	12.22	85.08	5.2	33.50	8.0	25.4	2.45
F04	03 May 2016	25	12.20	85.24	5.2	33.50	8.0	25.4	2.47
F04	03 May 2016	26	12.18	85.41	5.2	33.49	8.0	25.4	2.47
F04	03 May 2016	27	12.14	85.73	5.2	33.50	8.0	25.4	2.45
F04	03 May 2016	28	12.07	86.07	5.2	33.48	8.0	25.4	2.43
F04	03 May 2016	29	12.04	86.71	5.2	33.47	8.0	25.4	2.44
F04	03 May 2016	30	11.88	87.89	5.3	33.49	8.0	25.4	2.38
F04	03 May 2016	31	11.73	88.28	5.4	33.46	8.0	25.4	2.26
F04	03 May 2016	32	11.71	88.02	5.3	33.46	8.0	25.4	2.20
F04	03 May 2016	33	11.67	87.55	5.2	33.49	8.0	25.5	2.11
F04	03 May 2016	34	11.59	87.58	5.2	33.50	7.9	25.5	1.79
F04	03 May 2016	35	11.48	87.95	5.2	33.51	7.9	25.5	1.61
F04	03 May 2016	36	11.37	88.67	5.0	33.51	7.9	25.5	1.55
F04	03 May 2016	37	11.40	88.81	5.0	33.51	7.9	25.5	1.42
F04	03 May 2016	38	11.29	88.59	5.0	33.54	7.9	25.6	1.25
F04	03 May 2016	39	11.28	88.31	4.9	33.55	7.9	25.6	1.11
F04	03 May 2016	40	11.22	88.08	4.8	33.57	7.9	25.6	1.09
F04	03 May 2016	41	11.23	88.01	4.5	33.57	7.9	25.6	1.04
F04	03 May 2016	42	11.13	87.86	4.5	33.59	7.9	25.7	1.01
F04	03 May 2016	43	11.11	87.65	4.5	33.60	7.9	25.7	0.97
F04	03 May 2016	44	11.11	87.56	4.4	33.60	7.9	25.7	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F04	03 May 2016	45	11.10	87.42	4.3	33.61	7.9	25.7	0.93
F04	03 May 2016	46	11.08	87.21	4.2	33.62	7.9	25.7	0.86
F04	03 May 2016	47	11.06	86.98	4.2	33.62	7.9	25.7	0.83
F04	03 May 2016	48	11.04	86.72	4.2	33.63	7.8	25.7	0.81
F04	03 May 2016	49	11.02	86.36	4.1	33.63	7.8	25.7	0.80
F04	03 May 2016	50	11.00	86.05	4.0	33.64	7.8	25.7	0.78
F04	03 May 2016	51	10.86	85.08	4.0	33.67	7.8	25.8	0.75
F04	03 May 2016	52	10.76	84.97	3.9	33.67	7.8	25.8	0.71
F04	03 May 2016	53	10.72	85.27	3.9	33.67	7.8	25.8	0.68
F04	03 May 2016	54	10.70	85.31	3.8	33.67	7.8	25.8	0.66
F04	03 May 2016	55	10.70	85.41	3.8	33.67	7.8	25.8	0.59
F04	03 May 2016	56	10.66	85.34	3.9	33.69	7.8	25.8	0.51
F04	03 May 2016	57	10.61	85.43	3.9	33.69	7.8	25.8	0.47
F04	03 May 2016	58	10.51	85.39	3.9	33.72	7.8	25.9	0.47
F04	03 May 2016	59	10.31	84.11	3.9	33.75	7.8	25.9	0.47
F04	03 May 2016	60	10.27	83.05	3.9	33.76	7.8	25.9	0.44
F05	03 May 2016	1	18.09	84.95	7.7	33.58	8.2	24.2	0.41
F05	03 May 2016	2	18.14	85.27	7.7	33.58	8.2	24.1	0.42
F05	03 May 2016	3	17.97	85.91	7.7	33.61	8.2	24.2	0.42
F05	03 May 2016	4	17.61	87.26	7.7	33.56	8.2	24.3	0.43
F05	03 May 2016	5	17.23	87.18	7.6	33.59	8.2	24.4	0.42
F05	03 May 2016	6	16.21	83.85	7.8	33.58	8.2	24.6	0.41
F05	03 May 2016	7	15.59	79.00	8.1	33.52	8.2	24.7	0.40
F05	03 May 2016	8	15.02	79.67	8.5	33.49	8.2	24.8	0.39
F05	03 May 2016	9	14.73	81.38	8.7	33.46	8.2	24.8	0.44
F05	03 May 2016	10	14.68	79.77	8.7	33.45	8.2	24.8	0.60
F05	03 May 2016	11	14.54	78.72	8.6	33.45	8.2	24.9	0.83
F05	03 May 2016	12	14.38	77.94	8.6	33.48	8.2	24.9	0.91
F05	03 May 2016	13	13.83	73.69	8.6	33.46	8.2	25.0	1.12
F05	03 May 2016	14	13.47	71.63	8.4	33.42	8.2	25.1	1.87
F05	03 May 2016	15	13.33	73.98	8.0	33.40	8.2	25.1	2.92
F05	03 May 2016	16	13.03	81.60	7.6	33.41	8.1	25.2	4.96
F05	03 May 2016	17	12.89	84.15	7.0	33.40	8.1	25.2	6.71
F05	03 May 2016	18	12.72	84.63	6.7	33.41	8.1	25.2	6.01
F05	03 May 2016	19	12.72	84.40	6.5	33.41	8.1	25.2	4.75
F05	03 May 2016	20	12.72	84.03	6.3	33.43	8.1	25.2	3.83
F05	03 May 2016	21	12.70	83.71	6.3	33.45	8.1	25.3	3.61
F05	03 May 2016	22	12.59	83.65	6.1	33.48	8.0	25.3	3.64
F05	03 May 2016	23	12.37	84.19	5.9	33.51	8.0	25.4	3.70
F05	03 May 2016	24	12.19	84.82	5.5	33.51	8.0	25.4	3.65
F05	03 May 2016	25	12.12	84.96	5.1	33.54	8.0	25.4	3.24
F05	03 May 2016	26	11.86	85.20	5.1	33.55	7.9	25.5	2.76
F05	03 May 2016	27	11.78	85.45	4.8	33.55	7.9	25.5	2.48
F05	03 May 2016	28	11.72	85.41	4.6	33.57	7.9	25.5	2.24
F05	03 May 2016	29	11.72	85.32	4.5	33.57	7.9	25.5	1.85
F05	03 May 2016	30	11.55	86.13	4.4	33.59	7.9	25.6	1.59
F05	03 May 2016	31	11.50	86.53	4.5	33.56	7.9	25.6	1.45
F05	03 May 2016	32	11.52	86.59	4.5	33.56	7.9	25.6	1.37
F05	03 May 2016	33	11.46	86.89	4.5	33.57	7.9	25.6	1.20
F05	03 May 2016	34	11.44	87.23	4.5	33.56	7.9	25.6	1.16
F05	03 May 2016	35	11.39	87.34	4.6	33.57	7.9	25.6	1.13
F05	03 May 2016	36	11.36	87.42	4.5	33.56	7.9	25.6	1.08
F05	03 May 2016	37	11.32	87.58	4.5	33.57	7.9	25.6	1.05
F05	03 May 2016	38	11.31	87.65	4.5	33.57	7.9	25.6	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F05	03 May 2016	39	11.27	87.63	4.5	33.58	7.9	25.6	0.95
F05	03 May 2016	40	11.25	87.74	4.4	33.59	7.9	25.6	0.91
F05	03 May 2016	41	11.12	87.72	4.4	33.60	7.9	25.7	0.89
F05	03 May 2016	42	11.11	87.73	4.3	33.60	7.9	25.7	0.85
F05	03 May 2016	43	11.08	87.69	4.3	33.61	7.9	25.7	0.82
F05	03 May 2016	44	11.05	87.61	4.3	33.61	7.9	25.7	0.76
F05	03 May 2016	45	11.07	87.49	4.2	33.60	7.9	25.7	0.72
F05	03 May 2016	46	11.07	87.60	4.2	33.61	7.9	25.7	0.69
F05	03 May 2016	47	11.03	87.45	4.2	33.62	7.9	25.7	0.65
F05	03 May 2016	48	11.02	87.25	4.2	33.62	7.9	25.7	0.66
F05	03 May 2016	49	11.01	86.96	4.2	33.63	7.8	25.7	0.66
F05	03 May 2016	50	11.01	86.45	4.1	33.63	7.8	25.7	0.64
F05	03 May 2016	51	11.00	85.79	4.0	33.64	7.8	25.7	0.62
F05	03 May 2016	52	11.00	85.14	4.0	33.64	7.8	25.7	0.59
F05	03 May 2016	53	11.00	84.81	3.9	33.64	7.8	25.7	0.58
F05	03 May 2016	54	10.97	83.85	3.9	33.65	7.8	25.7	0.55
F05	03 May 2016	55	10.87	82.73	3.9	33.68	7.8	25.8	0.55
F05	03 May 2016	56	10.71	80.34	3.7	33.69	7.8	25.8	0.54
F05	03 May 2016	57	10.60	80.94	3.6	33.69	7.8	25.8	0.53
F05	03 May 2016	58	10.55	81.82	3.6	33.70	7.8	25.8	0.47
F05	03 May 2016	59	10.44	82.26	3.7	33.74	7.8	25.9	0.39
F05	03 May 2016	60	10.20	80.91	3.8	33.78	7.8	26.0	0.34
F05	03 May 2016	61	10.19	80.60	3.7	33.78	7.8	26.0	0.31
F06	03 May 2016	1	18.26	85.20	7.6	33.59	8.2	24.1	0.38
F06	03 May 2016	2	18.27	84.45	7.6	33.59	8.2	24.1	0.40
F06	03 May 2016	3	18.23	85.57	7.6	33.59	8.2	24.1	0.41
F06	03 May 2016	4	18.16	85.66	7.6	33.59	8.2	24.2	0.47
F06	03 May 2016	5	18.05	85.38	7.6	33.58	8.2	24.2	0.51
F06	03 May 2016	6	17.86	85.97	7.6	33.57	8.2	24.2	0.46
F06	03 May 2016	7	17.71	86.57	7.6	33.56	8.2	24.2	0.45
F06	03 May 2016	8	17.18	86.47	7.8	33.53	8.2	24.3	0.56
F06	03 May 2016	9	16.76	85.84	8.1	33.52	8.2	24.4	0.76
F06	03 May 2016	10	15.97	85.02	8.1	33.47	8.2	24.6	0.92
F06	03 May 2016	11	14.83	81.02	8.6	33.46	8.2	24.8	1.31
F06	03 May 2016	12	15.06	81.10	8.4	33.45	8.2	24.8	1.55
F06	03 May 2016	13	14.34	77.49	8.4	33.45	8.2	24.9	2.37
F06	03 May 2016	14	14.17	74.42	8.4	33.45	8.2	25.0	3.69
F06	03 May 2016	15	13.88	71.06	8.2	33.44	8.2	25.0	5.68
F06	03 May 2016	16	13.61	68.24	8.0	33.42	8.2	25.0	8.26
F06	03 May 2016	17	13.32	73.09	7.6	33.40	8.2	25.1	8.53
F06	03 May 2016	18	13.27	77.33	7.4	33.39	8.2	25.1	7.46
F06	03 May 2016	19	13.20	80.37	7.2	33.39	8.1	25.1	6.55
F06	03 May 2016	20	12.87	83.56	6.7	33.40	8.1	25.2	5.04
F06	03 May 2016	21	12.76	84.32	6.4	33.41	8.1	25.2	4.24
F06	03 May 2016	22	12.68	83.87	6.2	33.43	8.1	25.2	3.96
F06	03 May 2016	23	12.67	83.84	6.1	33.44	8.1	25.2	3.90
F06	03 May 2016	24	12.67	83.65	6.0	33.45	8.1	25.3	3.82
F06	03 May 2016	25	12.57	83.88	5.7	33.48	8.0	25.3	3.63
F06	03 May 2016	26	12.30	84.82	5.3	33.50	8.0	25.4	3.02
F06	03 May 2016	27	12.14	85.25	5.0	33.52	8.0	25.4	2.53
F06	03 May 2016	28	12.06	85.35	4.9	33.52	8.0	25.4	2.22
F06	03 May 2016	29	12.04	85.35	4.8	33.52	7.9	25.4	2.08
F06	03 May 2016	30	11.98	85.27	4.8	33.53	7.9	25.5	1.97
F06	03 May 2016	31	11.94	85.27	4.7	33.54	7.9	25.5	1.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F06	03 May 2016	32	11.73	85.92	4.6	33.55	7.9	25.5	1.64
F06	03 May 2016	33	11.34	87.21	4.5	33.58	7.9	25.6	1.21
F06	03 May 2016	34	11.33	87.37	4.4	33.58	7.9	25.6	1.02
F06	03 May 2016	35	11.11	87.43	4.3	33.61	7.9	25.7	0.81
F06	03 May 2016	36	11.05	87.39	4.2	33.62	7.9	25.7	0.69
F06	03 May 2016	37	11.01	87.26	4.1	33.63	7.9	25.7	0.62
F06	03 May 2016	38	10.98	87.22	4.1	33.63	7.9	25.7	0.56
F06	03 May 2016	39	10.95	87.07	4.1	33.64	7.9	25.7	0.55
F06	03 May 2016	40	10.92	86.89	4.0	33.65	7.9	25.7	0.51
F06	03 May 2016	41	10.90	86.61	4.0	33.65	7.8	25.7	0.48
F06	03 May 2016	42	10.87	86.36	4.0	33.65	7.8	25.7	0.46
F06	03 May 2016	43	10.86	85.92	4.0	33.65	7.8	25.8	0.44
F06	03 May 2016	44	10.85	85.44	3.9	33.65	7.8	25.8	0.43
F06	03 May 2016	45	10.85	85.09	3.9	33.66	7.8	25.8	0.44
F06	03 May 2016	46	10.79	83.27	3.8	33.67	7.8	25.8	0.41
F06	03 May 2016	47	10.73	80.10	3.6	33.68	7.8	25.8	0.37
F06	03 May 2016	48	10.67	78.42	3.5	33.68	7.8	25.8	0.34
F06	03 May 2016	49	10.63	78.07	3.5	33.69	7.8	25.8	0.31
F06	03 May 2016	50	10.53	76.35	3.5	33.71	7.8	25.9	0.31
F06	03 May 2016	51	10.48	73.58	3.6	33.72	7.8	25.9	0.29
F06	03 May 2016	52	10.42	71.96	3.6	33.73	7.8	25.9	0.29
F06	03 May 2016	53	10.40	71.21	3.6	33.74	7.8	25.9	0.28
F06	03 May 2016	54	10.39	70.38	3.6	33.74	7.8	25.9	0.28
F06	03 May 2016	55	10.23	67.83	3.6	33.78	7.8	26.0	0.28
F06	03 May 2016	56	10.19	66.21	3.6	33.78	7.8	26.0	0.27
F06	03 May 2016	57	10.18	63.91	3.6	33.79	7.8	26.0	0.27
F06	03 May 2016	58	10.18	61.12	3.6	33.79	7.8	26.0	0.27
F06	03 May 2016	59	10.18	60.87	3.6	33.79	7.8	26.0	0.28
F06	03 May 2016	60	10.18	59.45	3.6	33.79	7.8	26.0	0.28
F06	03 May 2016	61	10.18	58.35	3.6	33.79	7.8	26.0	0.29
F07	03 May 2016	1	18.32	85.08	7.5	33.59	8.2	24.1	0.34
F07	03 May 2016	2	18.32	85.47	7.5	33.59	8.2	24.1	0.36
F07	03 May 2016	3	18.31	86.04	7.6	33.59	8.2	24.1	0.38
F07	03 May 2016	4	18.27	86.11	7.5	33.59	8.2	24.1	0.39
F07	03 May 2016	5	18.21	85.89	7.5	33.59	8.2	24.1	0.42
F07	03 May 2016	6	18.13	85.82	7.6	33.59	8.2	24.2	0.43
F07	03 May 2016	7	18.05	85.90	7.6	33.58	8.2	24.2	0.44
F07	03 May 2016	8	17.88	86.40	7.6	33.57	8.2	24.2	0.42
F07	03 May 2016	9	17.77	87.42	7.6	33.56	8.2	24.2	0.40
F07	03 May 2016	10	17.70	87.86	7.6	33.56	8.2	24.2	0.42
F07	03 May 2016	11	17.54	87.56	7.6	33.55	8.2	24.3	0.49
F07	03 May 2016	12	16.91	86.79	7.9	33.53	8.2	24.4	0.64
F07	03 May 2016	13	15.46	84.01	8.3	33.48	8.2	24.7	0.78
F07	03 May 2016	14	14.93	83.08	8.5	33.46	8.2	24.8	0.90
F07	03 May 2016	15	14.62	82.51	8.7	33.45	8.2	24.9	1.18
F07	03 May 2016	16	14.48	80.50	8.6	33.44	8.2	24.9	1.47
F07	03 May 2016	17	14.20	80.18	8.5	33.44	8.2	24.9	1.86
F07	03 May 2016	18	13.92	78.90	8.3	33.43	8.2	25.0	3.48
F07	03 May 2016	19	13.61	75.19	8.0	33.43	8.2	25.1	7.95
F07	03 May 2016	20	13.37	68.99	7.5	33.42	8.2	25.1	8.95
F07	03 May 2016	21	13.23	75.45	7.3	33.41	8.1	25.1	7.40
F07	03 May 2016	22	13.09	78.40	7.0	33.41	8.1	25.1	6.25
F07	03 May 2016	23	12.80	81.84	6.5	33.41	8.1	25.2	4.89
F07	03 May 2016	24	12.66	83.34	6.2	33.44	8.1	25.2	4.11



Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F07	03 May 2016	25	12.66	83.42	6.1	33.45	8.1	25.3	3.97
F07	03 May 2016	26	12.62	83.47	6.0	33.45	8.1	25.3	3.83
F07	03 May 2016	27	12.62	83.62	5.9	33.46	8.0	25.3	3.67
F07	03 May 2016	28	12.40	84.01	5.5	33.49	8.0	25.3	3.13
F07	03 May 2016	29	12.29	84.40	5.2	33.49	8.0	25.4	2.68
F07	03 May 2016	30	12.08	85.11	4.9	33.52	8.0	25.4	2.24
F07	03 May 2016	31	11.95	85.31	4.6	33.54	7.9	25.5	1.90
F07	03 May 2016	32	11.81	85.49	4.5	33.56	7.9	25.5	1.63
F07	03 May 2016	33	11.57	85.51	4.5	33.56	7.9	25.5	1.34
F07	03 May 2016	34	11.44	86.02	4.5	33.56	7.9	25.6	1.16
F07	03 May 2016	35	11.21	87.47	4.5	33.58	7.9	25.6	0.95
F07	03 May 2016	36	11.25	86.96	4.4	33.58	7.9	25.6	0.84
F07	03 May 2016	37	11.17	87.05	4.3	33.60	7.9	25.7	0.80
F07	03 May 2016	38	11.06	87.06	4.2	33.62	7.9	25.7	0.70
F07	03 May 2016	39	11.01	87.16	4.1	33.64	7.9	25.7	0.61
F07	03 May 2016	40	10.94	87.18	4.0	33.65	7.9	25.7	0.55
F07	03 May 2016	41	10.86	87.32	4.0	33.66	7.8	25.8	0.49
F07	03 May 2016	42	10.75	87.71	4.0	33.66	7.8	25.8	0.43
F07	03 May 2016	43	10.67	88.03	4.0	33.67	7.8	25.8	0.37
F07	03 May 2016	44	10.66	87.77	4.0	33.68	7.8	25.8	0.35
F07	03 May 2016	45	10.65	87.40	3.9	33.69	7.8	25.8	0.34
F07	03 May 2016	46	10.65	86.86	3.9	33.69	7.8	25.8	0.32
F07	03 May 2016	47	10.65	86.00	3.8	33.70	7.8	25.8	0.31
F07	03 May 2016	48	10.60	84.45	3.8	33.70	7.8	25.8	0.31
F07	03 May 2016	49	10.56	84.48	3.9	33.71	7.8	25.8	0.29
F07	03 May 2016	50	10.45	85.14	4.0	33.71	7.8	25.9	0.28
F07	03 May 2016	51	10.32	86.03	4.2	33.70	7.8	25.9	0.26
F07	03 May 2016	52	10.27	87.61	4.2	33.70	7.8	25.9	0.25
F07	03 May 2016	53	10.23	87.85	4.2	33.70	7.9	25.9	0.24
F07	03 May 2016	54	10.24	87.96	4.2	33.71	7.8	25.9	0.23
F07	03 May 2016	55	10.20	86.09	4.0	33.74	7.8	25.9	0.24
F07	03 May 2016	56	10.20	79.99	4.0	33.75	7.8	25.9	0.24
F07	03 May 2016	57	10.17	75.59	3.8	33.77	7.8	26.0	0.25
F07	03 May 2016	58	10.16	74.01	3.8	33.77	7.8	26.0	0.25
F07	03 May 2016	59	10.16	72.49	3.8	33.77	7.8	26.0	0.25
F07	03 May 2016	60	10.16	71.85	3.8	33.78	7.8	26.0	0.25
F07	03 May 2016	61	10.16	71.50	3.8	33.78	7.8	26.0	0.25
F07	03 May 2016	62	10.16	70.81	3.8	33.78	7.8	26.0	0.25
F07	03 May 2016	63	10.16	67.00	3.8	33.77	7.8	26.0	0.26
F08	03 May 2016	1	18.35	85.50	7.6	33.59	8.2	24.1	0.40
F08	03 May 2016	2	18.34	85.39	7.6	33.60	8.2	24.1	0.41
F08	03 May 2016	3	18.29	85.45	7.6	33.59	8.2	24.1	0.40
F08	03 May 2016	4	18.24	85.59	7.6	33.60	8.2	24.1	0.41
F08	03 May 2016	5	18.20	85.54	7.6	33.59	8.2	24.1	0.41
F08	03 May 2016	6	18.16	85.44	7.6	33.59	8.2	24.2	0.42
F08	03 May 2016	7	18.13	85.56	7.6	33.59	8.2	24.2	0.44
F08	03 May 2016	8	17.94	85.99	7.6	33.59	8.2	24.2	0.45
F08	03 May 2016	9	17.83	87.18	7.6	33.57	8.2	24.2	0.48
F08	03 May 2016	10	17.78	87.38	7.6	33.56	8.2	24.2	0.52
F08	03 May 2016	11	17.77	86.96	7.7	33.56	8.2	24.2	0.53
F08	03 May 2016	12	17.63	85.83	7.8	33.59	8.2	24.3	0.49
F08	03 May 2016	13	17.01	82.25	7.8	33.59	8.2	24.4	0.50
F08	03 May 2016	14	16.58	78.22	8.0	33.54	8.2	24.5	0.54
F08	03 May 2016	15	15.79	75.18	8.6	33.57	8.2	24.7	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F08	03 May 2016	16	15.05	78.79	8.6	33.52	8.2	24.8	1.39
F08	03 May 2016	17	14.60	80.76	8.6	33.46	8.2	24.9	1.78
F08	03 May 2016	18	14.50	80.73	8.6	33.46	8.2	24.9	2.45
F08	03 May 2016	19	14.28	80.29	8.6	33.46	8.2	24.9	2.12
F08	03 May 2016	20	13.79	79.25	8.6	33.47	8.2	25.0	1.91
F08	03 May 2016	21	13.54	72.58	8.3	33.44	8.2	25.1	2.03
F08	03 May 2016	22	13.28	74.36	7.8	33.46	8.2	25.1	3.09
F08	03 May 2016	23	13.12	77.53	7.5	33.43	8.1	25.2	6.88
F08	03 May 2016	24	12.77	80.83	7.0	33.47	8.1	25.3	9.61
F08	03 May 2016	25	12.63	83.32	6.7	33.45	8.1	25.3	8.97
F08	03 May 2016	26	12.57	84.41	6.1	33.45	8.0	25.3	6.59
F08	03 May 2016	27	12.48	84.69	6.1	33.45	8.0	25.3	5.05
F08	03 May 2016	28	12.44	84.80	5.9	33.48	8.0	25.3	4.29
F08	03 May 2016	29	12.18	85.17	5.7	33.52	8.0	25.4	3.96
F08	03 May 2016	30	12.11	85.58	5.3	33.52	8.0	25.4	3.54
F08	03 May 2016	31	12.08	85.51	5.0	33.53	8.0	25.4	3.08
F08	03 May 2016	32	12.01	85.40	4.9	33.54	7.9	25.5	2.46
F08	03 May 2016	33	11.94	85.34	4.8	33.55	7.9	25.5	2.14
F08	03 May 2016	34	11.87	85.36	4.7	33.56	7.9	25.5	1.97
F08	03 May 2016	35	11.75	85.65	4.6	33.58	7.9	25.5	1.82
F08	03 May 2016	36	11.68	85.68	4.5	33.58	7.9	25.5	1.69
F08	03 May 2016	37	11.49	85.77	4.4	33.61	7.9	25.6	1.58
F08	03 May 2016	38	11.36	86.72	4.3	33.60	7.9	25.6	1.43
F08	03 May 2016	39	11.29	87.01	4.3	33.61	7.9	25.6	1.30
F08	03 May 2016	40	11.15	86.98	4.3	33.63	7.9	25.7	1.15
F08	03 May 2016	41	11.11	86.59	4.2	33.63	7.9	25.7	0.96
F08	03 May 2016	42	11.07	86.37	4.1	33.64	7.9	25.7	0.79
F08	03 May 2016	43	11.03	86.24	4.1	33.65	7.9	25.7	0.70
F08	03 May 2016	44	10.98	86.04	4.1	33.66	7.9	25.7	0.66
F08	03 May 2016	45	10.92	85.92	4.0	33.66	7.8	25.7	0.61
F08	03 May 2016	46	10.88	85.88	4.0	33.66	7.8	25.8	0.57
F08	03 May 2016	47	10.84	85.97	4.0	33.67	7.8	25.8	0.54
F08	03 May 2016	48	10.76	85.85	4.0	33.69	7.8	25.8	0.50
F08	03 May 2016	49	10.71	85.40	3.9	33.69	7.8	25.8	0.47
F08	03 May 2016	50	10.65	85.08	3.9	33.70	7.8	25.8	0.44
F08	03 May 2016	51	10.62	84.17	3.9	33.70	7.8	25.8	0.38
F08	03 May 2016	52	10.50	83.29	3.9	33.71	7.8	25.9	0.34
F08	03 May 2016	53	10.45	83.61	3.9	33.71	7.8	25.9	0.33
F08	03 May 2016	54	10.37	83.75	3.9	33.72	7.8	25.9	0.31
F08	03 May 2016	55	10.31	79.83	4.0	33.73	7.8	25.9	0.29
F08	03 May 2016	56	10.29	75.67	4.0	33.73	7.8	25.9	0.27
F08	03 May 2016	57	10.28	75.15	3.9	33.74	7.8	25.9	0.27
F08	03 May 2016	58	10.26	73.83	3.9	33.74	7.8	25.9	0.26
F08	03 May 2016	59	10.24	73.14	3.9	33.74	7.8	25.9	0.27
F08	03 May 2016	60	10.24	72.86	3.9	33.74	7.8	25.9	0.26
F08	03 May 2016	61	10.24	72.73	3.9	33.74	7.8	25.9	0.27
F08	03 May 2016	62	10.24	72.88	3.9	33.74	7.8	25.9	0.27
F09	03 May 2016	1	18.41	85.25	7.6	33.60	8.2	24.1	0.47
F09	03 May 2016	2	18.40	85.22	7.6	33.60	8.2	24.1	0.48
F09	03 May 2016	3	18.39	85.23	7.6	33.60	8.2	24.1	0.48
F09	03 May 2016	4	18.37	85.23	7.5	33.60	8.2	24.1	0.48
F09	03 May 2016	5	18.35	85.27	7.6	33.60	8.2	24.1	0.48
F09	03 May 2016	6	18.32	85.25	7.6	33.60	8.2	24.1	0.48
F09	03 May 2016	7	18.28	85.18	7.6	33.59	8.2	24.1	0.50

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F09	03 May 2016	8	18.27	85.13	7.6	33.59	8.2	24.1	0.51
F09	03 May 2016	9	18.13	85.19	7.5	33.61	8.2	24.2	0.54
F09	03 May 2016	10	17.94	86.28	7.6	33.58	8.2	24.2	0.54
F09	03 May 2016	11	17.87	86.88	7.6	33.57	8.2	24.2	0.57
F09	03 May 2016	12	17.74	87.36	7.7	33.57	8.2	24.2	0.59
F09	03 May 2016	13	17.66	86.64	7.7	33.56	8.2	24.3	0.57
F09	03 May 2016	14	17.46	83.62	7.7	33.56	8.2	24.3	0.55
F09	03 May 2016	15	16.91	78.21	7.9	33.64	8.2	24.5	0.54
F09	03 May 2016	16	15.60	73.79	8.2	33.59	8.2	24.8	0.58
F09	03 May 2016	17	14.69	79.02	8.3	33.50	8.2	24.9	0.84
F09	03 May 2016	18	14.37	80.20	8.6	33.47	8.2	24.9	1.31
F09	03 May 2016	19	14.09	79.07	8.7	33.45	8.2	25.0	2.16
F09	03 May 2016	20	13.95	77.64	8.6	33.43	8.2	25.0	2.33
F09	03 May 2016	21	13.71	74.83	8.6	33.45	8.2	25.0	2.08
F09	03 May 2016	22	13.54	70.44	8.3	33.42	8.2	25.1	2.40
F09	03 May 2016	23	13.52	70.52	8.0	33.43	8.2	25.1	3.15
F09	03 May 2016	24	13.39	73.14	7.8	33.46	8.2	25.1	4.13
F09	03 May 2016	25	13.13	77.74	7.6	33.44	8.1	25.2	6.67
F09	03 May 2016	26	13.00	79.88	7.2	33.45	8.1	25.2	9.20
F09	03 May 2016	27	12.89	82.06	6.9	33.45	8.1	25.2	10.22
F09	03 May 2016	28	12.84	82.57	6.6	33.46	8.1	25.2	9.91
F09	03 May 2016	29	12.71	83.26	6.4	33.48	8.1	25.3	8.58
F09	03 May 2016	30	12.53	83.86	6.1	33.49	8.0	25.3	7.05
F09	03 May 2016	31	12.31	84.70	5.9	33.52	8.0	25.4	5.76
F09	03 May 2016	32	12.12	85.51	5.7	33.52	8.0	25.4	4.98
F09	03 May 2016	33	12.04	85.61	5.5	33.53	8.0	25.4	4.39
F09	03 May 2016	34	11.90	85.56	5.2	33.56	7.9	25.5	3.87
F09	03 May 2016	35	11.72	85.72	4.9	33.58	7.9	25.5	3.30
F09	03 May 2016	36	11.60	86.07	4.6	33.57	7.9	25.6	2.68
F09	03 May 2016	37	11.54	86.35	4.5	33.58	7.9	25.6	2.23
F09	03 May 2016	38	11.51	86.34	4.4	33.58	7.9	25.6	1.83
F09	03 May 2016	39	11.45	86.32	4.4	33.59	7.9	25.6	1.50
F09	03 May 2016	40	11.39	86.32	4.4	33.60	7.9	25.6	1.35
F09	03 May 2016	41	11.32	86.54	4.4	33.61	7.9	25.6	1.24
F09	03 May 2016	42	11.24	86.80	4.3	33.62	7.9	25.7	1.15
F09	03 May 2016	43	11.14	86.85	4.2	33.63	7.9	25.7	1.09
F09	03 May 2016	44	11.07	86.43	4.2	33.65	7.9	25.7	1.03
F09	03 May 2016	45	11.00	86.12	4.2	33.66	7.9	25.7	0.94
F09	03 May 2016	46	10.94	85.86	4.1	33.67	7.9	25.7	0.85
F09	03 May 2016	47	10.84	85.36	4.0	33.68	7.8	25.8	0.77
F09	03 May 2016	48	10.78	84.53	4.0	33.68	7.8	25.8	0.72
F09	03 May 2016	49	10.71	84.90	4.0	33.70	7.8	25.8	0.66
F09	03 May 2016	50	10.63	85.64	3.9	33.70	7.8	25.8	0.60
F09	03 May 2016	51	10.60	85.26	3.9	33.70	7.8	25.8	0.55
F09	03 May 2016	52	10.60	84.88	3.9	33.70	7.8	25.8	0.47
F09	03 May 2016	53	10.60	84.52	3.9	33.70	7.8	25.8	0.44
F09	03 May 2016	54	10.58	84.21	3.9	33.71	7.8	25.8	0.40
F09	03 May 2016	55	10.52	83.68	3.9	33.72	7.8	25.9	0.36
F09	03 May 2016	56	10.48	83.17	3.9	33.72	7.8	25.9	0.33
F09	03 May 2016	57	10.39	80.13	3.9	33.74	7.8	25.9	0.33
F09	03 May 2016	58	10.34	75.58	3.9	33.74	7.8	25.9	0.32
F09	03 May 2016	59	10.34	74.16	3.9	33.74	7.8	25.9	0.32
F09	03 May 2016	60	10.33	73.24	3.9	33.74	7.8	25.9	0.31
F09	03 May 2016	61	10.33	72.22	3.9	33.74	7.8	25.9	0.30
F09	03 May 2016	62	10.33	71.64	3.9	33.74	7.8	25.9	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F10	03 May 2016	1	18.48	83.39	7.6	33.60	8.2	24.1	0.55
F10	03 May 2016	2	18.48	84.29	7.6	33.60	8.2	24.1	0.55
F10	03 May 2016	3	18.45	84.43	7.6	33.60	8.2	24.1	0.57
F10	03 May 2016	4	18.45	84.34	7.6	33.60	8.2	24.1	0.56
F10	03 May 2016	5	18.30	84.50	7.6	33.62	8.2	24.1	0.57
F10	03 May 2016	6	18.07	85.64	7.6	33.58	8.2	24.2	0.58
F10	03 May 2016	7	17.98	86.28	7.7	33.58	8.2	24.2	0.60
F10	03 May 2016	8	17.88	87.22	7.7	33.57	8.2	24.2	0.57
F10	03 May 2016	9	17.83	87.81	7.6	33.56	8.2	24.2	0.54
F10	03 May 2016	10	17.77	87.94	7.6	33.56	8.2	24.2	0.52
F10	03 May 2016	11	17.70	87.20	7.6	33.55	8.2	24.2	0.49
F10	03 May 2016	12	17.67	86.31	7.7	33.56	8.2	24.2	0.46
F10	03 May 2016	13	17.37	83.65	7.8	33.59	8.2	24.3	0.47
F10	03 May 2016	14	16.74	74.25	8.1	33.65	8.2	24.5	0.56
F10	03 May 2016	15	14.80	77.09	8.3	33.53	8.2	24.9	0.78
F10	03 May 2016	16	14.32	79.92	8.4	33.46	8.2	24.9	1.59
F10	03 May 2016	17	14.00	78.60	8.6	33.45	8.2	25.0	1.90
F10	03 May 2016	18	13.91	76.33	8.5	33.43	8.2	25.0	1.99
F10	03 May 2016	19	13.91	75.96	8.3	33.43	8.2	25.0	2.25
F10	03 May 2016	20	13.88	75.29	8.3	33.44	8.2	25.0	3.43
F10	03 May 2016	21	13.79	73.76	8.3	33.45	8.2	25.0	4.58
F10	03 May 2016	22	13.74	73.17	8.0	33.45	8.2	25.0	5.28
F10	03 May 2016	23	13.66	71.82	7.8	33.46	8.2	25.1	6.41
F10	03 May 2016	24	13.57	71.29	7.9	33.45	8.2	25.1	7.64
F10	03 May 2016	25	13.50	74.22	7.8	33.45	8.2	25.1	8.85
F10	03 May 2016	26	13.24	77.90	7.5	33.50	8.1	25.2	9.74
F10	03 May 2016	27	12.96	81.23	7.3	33.47	8.1	25.2	10.05
F10	03 May 2016	28	12.91	82.13	6.6	33.48	8.1	25.2	8.70
F10	03 May 2016	29	12.74	82.66	6.2	33.54	8.0	25.3	7.65
F10	03 May 2016	30	12.43	82.93	6.0	33.54	8.0	25.4	6.12
F10	03 May 2016	31	12.33	83.10	5.5	33.53	8.0	25.4	4.84
F10	03 May 2016	32	12.22	83.28	5.2	33.56	8.0	25.4	4.17
F10	03 May 2016	33	11.90	84.05	5.0	33.57	7.9	25.5	3.51
F10	03 May 2016	34	11.77	84.97	4.9	33.57	7.9	25.5	2.87
F10	03 May 2016	35	11.67	85.46	4.6	33.59	7.9	25.6	2.44
F10	03 May 2016	36	11.57	85.79	4.5	33.59	7.9	25.6	2.14
F10	03 May 2016	37	11.52	85.98	4.4	33.59	7.9	25.6	1.81
F10	03 May 2016	38	11.47	86.19	4.3	33.59	7.9	25.6	1.52
F10	03 May 2016	39	11.40	86.49	4.3	33.59	7.9	25.6	1.31
F10	03 May 2016	40	11.31	86.84	4.3	33.59	7.9	25.6	1.15
F10	03 May 2016	41	11.28	87.01	4.4	33.59	7.9	25.6	1.07
F10	03 May 2016	42	11.25	87.09	4.4	33.59	7.9	25.6	1.02
F10	03 May 2016	43	11.24	87.18	4.4	33.59	7.9	25.6	0.97
F10	03 May 2016	44	11.24	87.21	4.3	33.60	7.9	25.6	0.90
F10	03 May 2016	45	11.24	87.19	4.3	33.60	7.9	25.6	0.85
F10	03 May 2016	46	11.22	87.19	4.3	33.60	7.9	25.6	0.81
F10	03 May 2016	47	11.16	87.11	4.3	33.62	7.9	25.7	0.77
F10	03 May 2016	48	11.12	87.01	4.2	33.63	7.9	25.7	0.76
F10	03 May 2016	49	11.08	86.85	4.1	33.64	7.9	25.7	0.74
F10	03 May 2016	50	11.04	86.61	4.1	33.65	7.8	25.7	0.70
F10	03 May 2016	51	11.00	86.24	4.0	33.66	7.8	25.7	0.66
F10	03 May 2016	52	10.93	85.16	4.0	33.68	7.8	25.8	0.63
F10	03 May 2016	53	10.77	83.97	4.0	33.69	7.8	25.8	0.61
F10	03 May 2016	54	10.68	81.32	3.9	33.70	7.8	25.8	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F10	03 May 2016	55	10.62	80.11	3.8	33.70	7.8	25.8	0.55
F10	03 May 2016	56	10.63	80.72	3.8	33.70	7.8	25.8	0.45
F10	03 May 2016	57	10.55	79.57	3.8	33.71	7.8	25.8	0.39
F10	03 May 2016	58	10.53	74.87	3.8	33.71	7.8	25.9	0.34
F10	03 May 2016	59	10.37	74.99	3.8	33.72	7.8	25.9	0.33
F10	03 May 2016	60	10.35	74.79	3.9	33.72	7.8	25.9	0.33
F10	03 May 2016	61	10.34	73.88	4.0	33.72	7.8	25.9	0.32
F10	03 May 2016	62	10.34	73.59	4.0	33.72	7.8	25.9	0.31
F11	03 May 2016	1	18.56	84.36	7.6	33.60	8.2	24.1	0.42
F11	03 May 2016	2	18.55	84.16	7.6	33.60	8.2	24.1	0.43
F11	03 May 2016	3	18.52	84.29	7.6	33.61	8.2	24.1	0.42
F11	03 May 2016	4	18.50	84.21	7.6	33.61	8.2	24.1	0.43
F11	03 May 2016	5	18.46	84.24	7.6	33.60	8.2	24.1	0.43
F11	03 May 2016	6	18.40	84.19	7.6	33.61	8.2	24.1	0.44
F11	03 May 2016	7	18.09	84.97	7.6	33.61	8.2	24.2	0.45
F11	03 May 2016	8	17.90	87.14	7.6	33.57	8.2	24.2	0.46
F11	03 May 2016	9	17.93	87.20	7.6	33.56	8.2	24.2	0.48
F11	03 May 2016	10	17.87	87.88	7.6	33.57	8.2	24.2	0.44
F11	03 May 2016	11	17.84	88.15	7.6	33.56	8.2	24.2	0.38
F11	03 May 2016	12	17.81	88.17	7.6	33.56	8.2	24.2	0.35
F11	03 May 2016	13	17.70	88.10	7.6	33.57	8.2	24.2	0.35
F11	03 May 2016	14	17.52	86.96	7.7	33.56	8.2	24.3	0.35
F11	03 May 2016	15	17.39	83.32	7.8	33.57	8.2	24.3	0.37
F11	03 May 2016	16	16.54	77.49	8.1	33.61	8.2	24.6	0.40
F11	03 May 2016	17	15.49	75.90	8.3	33.55	8.2	24.7	0.50
F11	03 May 2016	18	14.83	79.36	8.6	33.49	8.2	24.8	0.96
F11	03 May 2016	19	14.52	80.07	8.6	33.47	8.2	24.9	1.70
F11	03 May 2016	20	14.33	80.67	8.6	33.45	8.2	24.9	2.02
F11	03 May 2016	21	14.11	79.90	8.6	33.46	8.2	25.0	1.87
F11	03 May 2016	22	13.64	76.14	8.4	33.43	8.2	25.0	1.77
F11	03 May 2016	23	13.62	75.89	8.0	33.42	8.2	25.0	1.97
F11	03 May 2016	24	13.62	75.90	7.8	33.42	8.2	25.0	2.72
F11	03 May 2016	25	13.62	75.98	7.8	33.43	8.2	25.1	4.82
F11	03 May 2016	26	13.61	75.93	7.9	33.43	8.2	25.1	6.07
F11	03 May 2016	27	13.58	76.06	7.9	33.43	8.2	25.1	6.52
F11	03 May 2016	28	13.56	76.31	7.8	33.43	8.2	25.1	6.82
F11	03 May 2016	29	13.55	76.43	7.8	33.43	8.2	25.1	6.91
F11	03 May 2016	30	13.56	76.26	7.8	33.44	8.2	25.1	6.96
F11	03 May 2016	31	13.50	74.76	7.8	33.45	8.2	25.1	6.96
F11	03 May 2016	32	13.13	76.72	7.7	33.48	8.1	25.2	6.92
F11	03 May 2016	33	12.92	81.27	7.2	33.47	8.1	25.2	7.12
F11	03 May 2016	34	12.71	83.21	6.4	33.48	8.1	25.3	7.63
F11	03 May 2016	35	12.67	83.51	6.0	33.48	8.0	25.3	6.41
F11	03 May 2016	36	12.60	83.84	6.0	33.48	8.0	25.3	5.20
F11	03 May 2016	37	12.58	84.07	5.8	33.49	8.0	25.3	4.24
F11	03 May 2016	38	12.22	84.24	5.7	33.55	8.0	25.4	3.78
F11	03 May 2016	39	12.00	85.22	5.2	33.54	7.9	25.5	3.33
F11	03 May 2016	40	11.95	84.64	4.8	33.55	7.9	25.5	2.84
F11	03 May 2016	41	11.94	84.19	4.7	33.56	7.9	25.5	2.20
F11	03 May 2016	42	11.85	83.85	4.6	33.58	7.9	25.5	1.84
F11	03 May 2016	43	11.74	84.03	4.5	33.59	7.9	25.5	1.69
F11	03 May 2016	44	11.52	84.70	4.4	33.62	7.9	25.6	1.59
F11	03 May 2016	45	11.40	85.44	4.2	33.62	7.9	25.6	1.45
F11	03 May 2016	46	11.36	85.61	4.2	33.62	7.9	25.6	1.25

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F11	03 May 2016	47	11.31	85.89	4.1	33.62	7.9	25.6	1.02
F11	03 May 2016	48	11.26	86.11	4.2	33.62	7.9	25.7	0.90
F11	03 May 2016	49	11.15	86.58	4.2	33.64	7.9	25.7	0.85
F11	03 May 2016	50	11.07	87.14	4.1	33.66	7.9	25.7	0.75
F11	03 May 2016	51	10.90	86.81	4.0	33.68	7.8	25.8	0.67
F11	03 May 2016	52	10.82	86.67	3.9	33.69	7.8	25.8	0.64
F11	03 May 2016	53	10.73	85.57	3.9	33.70	7.8	25.8	0.54
F11	03 May 2016	54	10.60	80.45	3.9	33.70	7.8	25.8	0.45
F11	03 May 2016	55	10.58	80.17	3.8	33.70	7.8	25.8	0.40
F11	03 May 2016	56	10.55	79.75	3.9	33.70	7.8	25.8	0.34
F11	03 May 2016	57	10.49	78.96	3.9	33.71	7.8	25.9	0.31
F11	03 May 2016	58	10.47	75.48	3.9	33.71	7.8	25.9	0.30
F11	03 May 2016	59	10.47	70.56	3.9	33.72	7.8	25.9	0.29
F11	03 May 2016	60	10.45	60.37	3.9	33.72	7.8	25.9	0.29
F12	03 May 2016	1	18.61	83.12	7.6	33.61	8.2	24.1	0.51
F12	03 May 2016	2	18.60	83.42	7.6	33.61	8.2	24.1	0.52
F12	03 May 2016	3	18.58	83.87	7.6	33.61	8.2	24.1	0.51
F12	03 May 2016	4	18.54	83.72	7.6	33.61	8.2	24.1	0.51
F12	03 May 2016	5	18.52	83.59	7.6	33.61	8.2	24.1	0.52
F12	03 May 2016	6	18.49	83.55	7.6	33.61	8.2	24.1	0.52
F12	03 May 2016	7	18.33	84.03	7.6	33.61	8.2	24.1	0.53
F12	03 May 2016	8	18.22	85.11	7.5	33.60	8.2	24.1	0.56
F12	03 May 2016	9	17.95	86.75	7.6	33.58	8.2	24.2	0.60
F12	03 May 2016	10	17.90	87.71	7.6	33.57	8.2	24.2	0.62
F12	03 May 2016	11	17.85	88.05	7.6	33.56	8.2	24.2	0.62
F12	03 May 2016	12	17.75	88.24	7.6	33.57	8.2	24.2	0.57
F12	03 May 2016	13	17.61	88.19	7.6	33.56	8.2	24.3	0.50
F12	03 May 2016	14	17.28	87.64	7.6	33.58	8.2	24.4	0.46
F12	03 May 2016	15	16.84	86.47	7.8	33.55	8.2	24.4	0.46
F12	03 May 2016	16	16.43	84.94	8.0	33.55	8.2	24.5	0.49
F12	03 May 2016	17	15.29	82.01	8.2	33.58	8.2	24.8	0.56
F12	03 May 2016	18	14.69	84.40	8.3	33.48	8.2	24.9	0.71
F12	03 May 2016	19	14.52	84.45	8.5	33.46	8.2	24.9	0.88
F12	03 May 2016	20	14.28	83.53	8.4	33.44	8.2	24.9	1.22
F12	03 May 2016	21	14.03	81.40	8.3	33.45	8.2	25.0	1.19
F12	03 May 2016	22	13.69	79.78	8.2	33.43	8.2	25.0	1.18
F12	03 May 2016	23	13.65	80.27	7.8	33.42	8.2	25.0	1.61
F12	03 May 2016	24	13.41	79.65	7.6	33.41	8.2	25.1	2.77
F12	03 May 2016	25	13.36	79.24	7.6	33.41	8.2	25.1	3.92
F12	03 May 2016	26	13.29	79.54	7.4	33.42	8.1	25.1	4.47
F12	03 May 2016	27	13.16	80.00	7.3	33.43	8.1	25.1	5.02
F12	03 May 2016	28	13.04	80.95	7.1	33.44	8.1	25.2	5.58
F12	03 May 2016	29	12.88	82.03	6.9	33.44	8.1	25.2	5.69
F12	03 May 2016	30	12.69	83.95	6.7	33.46	8.1	25.3	5.63
F12	03 May 2016	31	12.29	86.20	6.4	33.48	8.0	25.4	5.42
F12	03 May 2016	32	12.16	87.13	5.9	33.45	8.0	25.4	4.83
F12	03 May 2016	33	12.14	87.36	5.5	33.47	8.0	25.4	3.65
F12	03 May 2016	34	12.06	87.42	5.5	33.47	8.0	25.4	2.91
F12	03 May 2016	35	12.06	87.40	5.4	33.48	8.0	25.4	2.40
F12	03 May 2016	36	12.05	87.23	5.3	33.50	8.0	25.4	2.28
F12	03 May 2016	37	12.03	87.03	5.1	33.51	8.0	25.4	2.00
F12	03 May 2016	38	12.00	86.95	5.0	33.52	8.0	25.4	1.87
F12	03 May 2016	39	11.94	86.69	4.9	33.55	7.9	25.5	1.78
F12	03 May 2016	40	11.86	86.13	4.7	33.57	7.9	25.5	1.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F12	03 May 2016	41	11.76	86.15	4.6	33.58	7.9	25.5	1.63
F12	03 May 2016	42	11.68	86.34	4.4	33.59	7.9	25.6	1.49
F12	03 May 2016	43	11.55	86.38	4.3	33.60	7.9	25.6	1.33
F12	03 May 2016	44	11.45	86.62	4.3	33.60	7.9	25.6	1.19
F12	03 May 2016	45	11.41	86.42	4.2	33.60	7.9	25.6	1.10
F12	03 May 2016	46	11.33	85.87	4.2	33.62	7.9	25.6	0.99
F12	03 May 2016	47	11.27	85.40	4.1	33.64	7.9	25.7	0.89
F12	03 May 2016	48	11.20	85.31	4.1	33.65	7.9	25.7	0.83
F12	03 May 2016	49	11.17	85.57	4.0	33.65	7.9	25.7	0.76
F12	03 May 2016	50	11.06	85.73	4.0	33.67	7.8	25.7	0.69
F12	03 May 2016	51	10.98	86.12	4.0	33.67	7.8	25.7	0.65
F12	03 May 2016	52	10.86	86.18	3.9	33.69	7.8	25.8	0.60
F12	03 May 2016	53	10.77	85.46	3.9	33.69	7.8	25.8	0.57
F12	03 May 2016	54	10.74	84.64	3.9	33.70	7.8	25.8	0.49
F12	03 May 2016	55	10.64	82.91	3.8	33.71	7.8	25.8	0.42
F12	03 May 2016	56	10.58	80.55	3.8	33.72	7.8	25.9	0.38
F12	03 May 2016	57	10.52	78.33	3.8	33.72	7.8	25.9	0.37
F12	03 May 2016	58	10.48	75.07	3.8	33.73	7.8	25.9	0.33
F12	03 May 2016	59	10.43	72.29	3.8	33.73	7.8	25.9	0.31
F12	03 May 2016	60	10.43	71.59	3.8	33.73	7.8	25.9	0.29
F12	03 May 2016	61	10.42	71.22	3.8	33.73	7.8	25.9	0.29
F12	03 May 2016	62	10.42	70.91	3.8	33.73	7.8	25.9	0.28
F13	03 May 2016	1	18.53	84.09	7.6	33.60	8.2	24.1	0.48
F13	03 May 2016	2	18.53	84.06	7.6	33.60	8.2	24.1	0.49
F13	03 May 2016	3	18.52	83.83	7.6	33.61	8.2	24.1	0.48
F13	03 May 2016	4	18.49	84.04	7.6	33.60	8.2	24.1	0.49
F13	03 May 2016	5	18.49	84.00	7.6	33.60	8.2	24.1	0.49
F13	03 May 2016	6	18.49	83.96	7.6	33.60	8.2	24.1	0.49
F13	03 May 2016	7	18.48	83.89	7.6	33.60	8.2	24.1	0.49
F13	03 May 2016	8	18.40	83.95	7.6	33.61	8.2	24.1	0.53
F13	03 May 2016	9	18.08	84.65	7.7	33.60	8.2	24.2	0.57
F13	03 May 2016	10	17.97	85.82	7.7	33.58	8.2	24.2	0.60
F13	03 May 2016	11	17.84	86.77	7.7	33.57	8.2	24.2	0.64
F13	03 May 2016	12	17.63	87.87	7.6	33.57	8.2	24.3	0.64
F13	03 May 2016	13	17.17	87.00	7.7	33.58	8.2	24.4	0.59
F13	03 May 2016	14	16.64	85.27	7.8	33.56	8.2	24.5	0.55
F13	03 May 2016	15	16.00	78.25	8.1	33.57	8.2	24.6	0.54
F13	03 May 2016	16	15.43	77.42	8.2	33.50	8.2	24.7	0.77
F13	03 May 2016	17	14.86	79.69	8.5	33.49	8.2	24.8	1.79
F13	03 May 2016	18	14.54	82.45	8.4	33.46	8.2	24.9	2.69
F13	03 May 2016	19	14.36	83.54	8.4	33.45	8.2	24.9	2.53
F13	03 May 2016	20	14.25	83.18	8.4	33.45	8.2	24.9	1.85
F13	03 May 2016	21	14.06	82.45	8.4	33.44	8.2	25.0	1.66
F13	03 May 2016	22	13.84	81.41	8.3	33.46	8.2	25.0	1.74
F13	03 May 2016	23	13.37	77.59	8.2	33.48	8.2	25.1	1.89
F13	03 May 2016	24	13.00	77.74	7.6	33.44	8.1	25.2	2.35
F13	03 May 2016	25	12.93	80.57	6.9	33.43	8.1	25.2	4.06
F13	03 May 2016	26	12.71	82.49	6.7	33.46	8.1	25.3	5.85
F13	03 May 2016	27	12.38	83.36	6.2	33.44	8.0	25.3	5.82
F13	03 May 2016	28	12.19	86.40	6.0	33.46	8.0	25.4	5.25
F13	03 May 2016	29	12.04	87.26	5.8	33.47	8.0	25.4	4.48
F13	03 May 2016	30	11.94	87.37	5.5	33.50	8.0	25.4	3.47
F13	03 May 2016	31	11.94	87.22	5.1	33.52	8.0	25.4	2.67
F13	03 May 2016	32	11.93	86.80	4.9	33.54	7.9	25.5	2.12

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F13	03 May 2016	33	11.87	86.35	4.8	33.55	7.9	25.5	1.81
F13	03 May 2016	34	11.83	86.35	4.6	33.56	7.9	25.5	1.63
F13	03 May 2016	35	11.69	86.28	4.6	33.60	7.9	25.6	1.44
F13	03 May 2016	36	11.38	85.56	4.6	33.62	7.9	25.6	1.39
F13	03 May 2016	37	11.44	86.00	4.2	33.61	7.9	25.6	1.37
F13	03 May 2016	38	11.28	85.99	4.2	33.62	7.9	25.7	1.10
F13	03 May 2016	39	11.26	86.01	4.2	33.62	7.9	25.7	0.87
F13	03 May 2016	40	11.22	86.27	4.1	33.62	7.9	25.7	0.82
F13	03 May 2016	41	11.19	86.41	4.2	33.63	7.9	25.7	0.74
F13	03 May 2016	42	11.14	86.42	4.1	33.64	7.9	25.7	0.68
F13	03 May 2016	43	11.13	85.93	4.1	33.65	7.9	25.7	0.65
F13	03 May 2016	44	11.10	85.45	4.0	33.66	7.9	25.7	0.63
F13	03 May 2016	45	11.01	85.24	4.0	33.67	7.8	25.7	0.61
F13	03 May 2016	46	10.99	85.53	3.9	33.67	7.8	25.7	0.57
F13	03 May 2016	47	10.90	85.45	3.9	33.69	7.8	25.8	0.52
F13	03 May 2016	48	10.85	85.35	3.9	33.69	7.8	25.8	0.49
F13	03 May 2016	49	10.82	85.59	3.8	33.69	7.8	25.8	0.47
F13	03 May 2016	50	10.80	86.00	3.8	33.69	7.8	25.8	0.42
F13	03 May 2016	51	10.75	86.27	3.8	33.70	7.8	25.8	0.38
F13	03 May 2016	52	10.73	86.24	3.8	33.70	7.8	25.8	0.36
F13	03 May 2016	53	10.69	86.13	3.8	33.70	7.8	25.8	0.34
F13	03 May 2016	54	10.67	85.80	3.8	33.70	7.8	25.8	0.33
F13	03 May 2016	55	10.53	84.53	3.8	33.73	7.8	25.9	0.31
F13	03 May 2016	56	10.44	82.28	3.8	33.74	7.8	25.9	0.31
F13	03 May 2016	57	10.41	80.85	3.8	33.74	7.8	25.9	0.28
F13	03 May 2016	58	10.39	80.54	3.8	33.74	7.8	25.9	0.27
F13	03 May 2016	59	10.38	80.24	3.8	33.74	7.8	25.9	0.25
F13	03 May 2016	60	10.37	80.00	3.8	33.74	7.8	25.9	0.25
F13	03 May 2016	61	10.37	80.04	3.8	33.74	7.8	25.9	0.25
F14	03 May 2016	1	18.53	85.58	7.6	33.60	8.2	24.1	0.43
F14	03 May 2016	2	18.52	85.59	7.6	33.60	8.2	24.1	0.42
F14	03 May 2016	3	18.49	85.54	7.6	33.60	8.2	24.1	0.43
F14	03 May 2016	4	18.47	85.36	7.6	33.60	8.2	24.1	0.43
F14	03 May 2016	5	18.46	85.35	7.6	33.60	8.2	24.1	0.45
F14	03 May 2016	6	18.46	85.30	7.6	33.60	8.2	24.1	0.48
F14	03 May 2016	7	18.44	85.24	7.6	33.60	8.2	24.1	0.52
F14	03 May 2016	8	18.42	85.14	7.6	33.60	8.2	24.1	0.55
F14	03 May 2016	9	18.38	85.12	7.6	33.60	8.2	24.1	0.59
F14	03 May 2016	10	18.08	85.18	7.7	33.60	8.2	24.2	0.62
F14	03 May 2016	11	17.82	85.77	7.6	33.58	8.2	24.2	0.64
F14	03 May 2016	12	17.45	87.55	7.7	33.56	8.2	24.3	0.65
F14	03 May 2016	13	17.31	87.47	7.7	33.55	8.2	24.3	0.57
F14	03 May 2016	14	16.57	87.09	7.9	33.58	8.2	24.5	0.53
F14	03 May 2016	15	15.62	84.31	8.1	33.50	8.2	24.7	0.62
F14	03 May 2016	16	15.40	78.88	8.4	33.49	8.2	24.7	0.69
F14	03 May 2016	17	15.20	79.38	8.4	33.47	8.2	24.7	1.07
F14	03 May 2016	18	15.07	81.27	8.5	33.48	8.2	24.8	2.27
F14	03 May 2016	19	14.86	82.96	8.4	33.47	8.2	24.8	2.35
F14	03 May 2016	20	14.49	83.19	8.5	33.48	8.2	24.9	2.14
F14	03 May 2016	21	14.42	82.96	8.5	33.46	8.2	24.9	1.88
F14	03 May 2016	22	14.37	82.59	8.4	33.46	8.2	24.9	1.56
F14	03 May 2016	23	14.13	81.08	8.4	33.46	8.2	25.0	1.67
F14	03 May 2016	24	13.75	76.87	8.2	33.48	8.2	25.1	1.83
F14	03 May 2016	25	13.39	77.80	7.8	33.48	8.2	25.1	2.34



Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F14	03 May 2016	26	13.05	79.54	7.3	33.45	8.1	25.2	3.71
F14	03 May 2016	27	13.05	81.16	6.7	33.45	8.1	25.2	6.13
F14	03 May 2016	28	12.51	83.11	6.8	33.48	8.1	25.3	5.81
F14	03 May 2016	29	12.40	85.78	6.1	33.45	8.0	25.3	5.54
F14	03 May 2016	30	12.11	86.78	5.8	33.48	8.0	25.4	4.92
F14	03 May 2016	31	11.99	86.60	5.5	33.49	8.0	25.4	3.37
F14	03 May 2016	32	11.80	86.33	5.2	33.55	8.0	25.5	2.48
F14	03 May 2016	33	11.68	86.06	5.0	33.56	7.9	25.5	1.98
F14	03 May 2016	34	11.61	85.69	4.6	33.58	7.9	25.6	1.74
F14	03 May 2016	35	11.58	85.45	4.5	33.59	7.9	25.6	1.49
F14	03 May 2016	36	11.57	85.02	4.3	33.60	7.9	25.6	1.17
F14	03 May 2016	37	11.46	84.67	4.3	33.62	7.9	25.6	1.08
F14	03 May 2016	38	11.36	84.76	4.2	33.63	7.9	25.6	1.04
F14	03 May 2016	39	11.31	84.36	4.1	33.63	7.9	25.7	1.02
F14	03 May 2016	40	11.29	84.19	4.1	33.63	7.9	25.7	0.87
F14	03 May 2016	41	11.24	84.19	4.0	33.64	7.9	25.7	0.75
F14	03 May 2016	42	11.10	84.51	4.0	33.66	7.9	25.7	0.68
F14	03 May 2016	43	11.10	85.25	4.0	33.66	7.9	25.7	0.64
F14	03 May 2016	44	10.96	85.22	4.0	33.67	7.8	25.7	0.55
F14	03 May 2016	45	10.93	85.53	4.0	33.67	7.8	25.8	0.51
F14	03 May 2016	46	10.89	85.48	3.9	33.67	7.8	25.8	0.48
F14	03 May 2016	47	10.86	85.19	3.9	33.68	7.8	25.8	0.43
F14	03 May 2016	48	10.78	85.27	3.9	33.70	7.8	25.8	0.38
F14	03 May 2016	49	10.73	85.82	3.8	33.71	7.8	25.8	0.36
F14	03 May 2016	50	10.66	85.85	3.8	33.72	7.8	25.8	0.33
F14	03 May 2016	51	10.61	84.89	3.8	33.72	7.8	25.8	0.30
F14	03 May 2016	52	10.59	84.27	3.8	33.71	7.8	25.8	0.27
F14	03 May 2016	53	10.56	83.85	3.8	33.72	7.8	25.9	0.26
F14	03 May 2016	54	10.53	83.63	3.8	33.72	7.8	25.9	0.25
F14	03 May 2016	55	10.51	83.61	3.8	33.73	7.8	25.9	0.25
F14	03 May 2016	56	10.46	81.82	3.9	33.73	7.8	25.9	0.24
F14	03 May 2016	57	10.44	79.59	3.8	33.74	7.8	25.9	0.24
F14	03 May 2016	58	10.43	78.79	3.8	33.74	7.8	25.9	0.23
F14	03 May 2016	59	10.42	78.48	3.8	33.74	7.8	25.9	0.23
F14	03 May 2016	60	10.42	78.46	3.8	33.74	7.8	25.9	0.22
F14	03 May 2016	61	10.42	77.85	3.8	33.74	7.8	25.9	0.22
F15	04 May 2016	1	18.38	87.42	7.6	33.59	8.2	24.1	0.30
F15	04 May 2016	2	18.39	87.40	7.6	33.59	8.2	24.1	0.30
F15	04 May 2016	3	18.37	87.38	7.6	33.59	8.2	24.1	0.30
F15	04 May 2016	4	18.34	87.39	7.5	33.59	8.2	24.1	0.32
F15	04 May 2016	5	18.28	87.44	7.5	33.59	8.2	24.1	0.33
F15	04 May 2016	6	18.11	87.47	7.6	33.58	8.2	24.2	0.35
F15	04 May 2016	7	17.95	87.56	7.6	33.57	8.2	24.2	0.37
F15	04 May 2016	8	17.75	87.63	7.6	33.56	8.2	24.2	0.40
F15	04 May 2016	9	16.99	87.42	7.9	33.55	8.2	24.4	0.45
F15	04 May 2016	10	16.40	87.16	8.1	33.52	8.2	24.5	0.49
F15	04 May 2016	11	15.99	87.20	8.2	33.50	8.2	24.6	0.50
F15	04 May 2016	12	15.45	87.29	8.2	33.49	8.2	24.7	0.48
F15	04 May 2016	13	14.90	87.21	8.2	33.47	8.2	24.8	0.48
F15	04 May 2016	14	14.59	87.01	8.2	33.46	8.2	24.9	0.55
F15	04 May 2016	15	14.33	85.77	8.2	33.47	8.2	24.9	0.71
F15	04 May 2016	16	14.15	85.67	7.9	33.49	8.1	25.0	0.89
F15	04 May 2016	17	13.59	84.59	7.5	33.47	8.1	25.1	1.39
F15	04 May 2016	18	13.79	84.75	7.2	33.46	8.1	25.0	1.66

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F15	04 May 2016	19	13.05	85.49	6.6	33.46	8.1	25.2	1.78
F15	04 May 2016	20	12.66	86.51	6.1	33.44	8.0	25.3	1.80
F15	04 May 2016	21	12.46	87.10	5.9	33.44	8.0	25.3	1.68
F15	04 May 2016	22	12.28	87.70	5.8	33.44	8.0	25.3	1.54
F15	04 May 2016	23	12.17	88.09	5.7	33.44	8.0	25.3	1.45
F15	04 May 2016	24	11.98	88.51	5.5	33.44	8.0	25.4	1.35
F15	04 May 2016	25	11.84	88.78	5.5	33.44	7.9	25.4	1.22
F15	04 May 2016	26	11.77	88.89	5.5	33.44	7.9	25.4	1.16
F15	04 May 2016	27	11.68	88.95	5.5	33.44	7.9	25.4	1.11
F15	04 May 2016	28	11.63	89.01	5.5	33.44	7.9	25.4	1.08
F15	04 May 2016	29	11.62	89.04	5.4	33.44	7.9	25.5	1.06
F15	04 May 2016	30	11.54	89.13	5.4	33.45	7.9	25.5	1.03
F15	04 May 2016	31	11.47	89.26	5.4	33.45	7.9	25.5	0.98
F15	04 May 2016	32	11.43	89.37	5.3	33.46	7.9	25.5	0.91
F15	04 May 2016	33	11.42	89.42	5.3	33.46	7.9	25.5	0.90
F15	04 May 2016	34	11.41	89.40	5.3	33.46	7.9	25.5	0.91
F15	04 May 2016	35	11.40	89.43	5.3	33.46	7.9	25.5	0.91
F15	04 May 2016	36	11.39	89.41	5.3	33.46	7.9	25.5	0.90
F15	04 May 2016	37	11.38	89.43	5.3	33.47	7.9	25.5	0.89
F15	04 May 2016	38	11.33	89.49	5.2	33.48	7.9	25.5	0.86
F15	04 May 2016	39	11.21	89.53	5.1	33.50	7.9	25.6	0.82
F15	04 May 2016	40	11.19	89.35	5.0	33.51	7.9	25.6	0.80
F15	04 May 2016	41	11.15	89.38	5.0	33.51	7.9	25.6	0.81
F15	04 May 2016	42	11.15	89.42	5.0	33.51	7.9	25.6	0.79
F15	04 May 2016	43	11.15	89.35	5.0	33.51	7.9	25.6	0.79
F15	04 May 2016	44	11.15	89.38	5.0	33.52	7.9	25.6	0.79
F15	04 May 2016	45	11.14	89.40	5.0	33.51	7.9	25.6	0.79
F15	04 May 2016	46	11.10	89.43	5.0	33.52	7.9	25.6	0.77
F15	04 May 2016	47	11.12	89.27	4.9	33.53	7.9	25.6	0.78
F15	04 May 2016	48	11.15	89.07	4.9	33.53	7.9	25.6	0.81
F15	04 May 2016	49	11.14	89.12	4.8	33.53	7.9	25.6	0.81
F15	04 May 2016	50	11.14	88.95	4.8	33.54	7.9	25.6	0.81
F15	04 May 2016	51	11.10	88.79	4.7	33.55	7.9	25.6	0.83
F15	04 May 2016	52	11.02	88.97	4.7	33.55	7.9	25.6	0.81
F15	04 May 2016	53	10.90	89.39	4.8	33.56	7.9	25.7	0.72
F15	04 May 2016	54	10.81	89.75	4.8	33.57	7.9	25.7	0.63
F15	04 May 2016	55	10.78	89.91	4.8	33.57	7.9	25.7	0.54
F15	04 May 2016	56	10.76	89.85	4.8	33.58	7.8	25.7	0.50
F15	04 May 2016	57	10.71	89.76	4.6	33.60	7.8	25.7	0.46
F15	04 May 2016	58	10.65	88.98	4.5	33.62	7.8	25.8	0.43
F15	04 May 2016	59	10.63	88.13	4.4	33.63	7.8	25.8	0.42
F15	04 May 2016	60	10.64	87.49	4.3	33.63	7.8	25.8	0.40
F15	04 May 2016	61	10.63	87.04	4.2	33.65	7.8	25.8	0.44
F15	04 May 2016	62	10.62	86.68	4.2	33.65	7.8	25.8	0.38
F15	04 May 2016	63	10.60	86.26	4.1	33.66	7.8	25.8	0.36
F15	04 May 2016	64	10.54	86.33	4.1	33.68	7.8	25.8	0.34
F15	04 May 2016	65	10.50	86.70	4.1	33.68	7.8	25.8	0.32
F15	04 May 2016	66	10.49	86.56	4.1	33.68	7.8	25.8	0.31
F15	04 May 2016	67	10.49	85.90	4.1	33.68	7.8	25.8	0.31
F15	04 May 2016	68	10.47	86.11	4.1	33.69	7.8	25.8	0.31
F15	04 May 2016	69	10.43	87.97	4.1	33.70	7.8	25.9	0.29
F15	04 May 2016	70	10.40	88.77	4.1	33.71	7.8	25.9	0.27
F15	04 May 2016	71	10.36	88.42	4.0	33.72	7.8	25.9	0.26
F15	04 May 2016	72	10.30	87.98	3.9	33.72	7.8	25.9	0.24
F15	04 May 2016	73	10.29	87.97	3.8	33.72	7.8	25.9	0.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F15	04 May 2016	74	10.28	88.08	3.8	33.72	7.8	25.9	0.22
F15	04 May 2016	75	10.25	87.83	3.8	33.73	7.8	25.9	0.22
F15	04 May 2016	76	10.24	86.58	3.9	33.74	7.8	25.9	0.22
F15	04 May 2016	77	10.23	85.31	3.9	33.75	7.8	25.9	0.23
F15	04 May 2016	78	10.17	84.07	3.8	33.77	7.8	26.0	0.23
F15	04 May 2016	79	10.10	85.46	3.7	33.79	7.8	26.0	0.23
F15	04 May 2016	80	10.08	85.40	3.7	33.80	7.8	26.0	0.23
F15	04 May 2016	81	10.08	84.19	3.6	33.80	7.8	26.0	0.21
F15	04 May 2016	82	10.08	83.70	3.6	33.80	7.8	26.0	0.21
F16	04 May 2016	1	18.31	88.14	7.5	33.59	8.2	24.1	0.30
F16	04 May 2016	2	18.31	88.06	7.5	33.59	8.2	24.1	0.31
F16	04 May 2016	3	18.31	87.96	7.5	33.59	8.2	24.1	0.31
F16	04 May 2016	4	18.31	88.28	7.5	33.59	8.2	24.1	0.32
F16	04 May 2016	5	18.27	88.24	7.5	33.58	8.2	24.1	0.33
F16	04 May 2016	6	18.06	88.16	7.6	33.58	8.2	24.2	0.35
F16	04 May 2016	7	17.86	87.90	7.7	33.57	8.2	24.2	0.39
F16	04 May 2016	8	17.31	87.72	7.7	33.55	8.2	24.3	0.43
F16	04 May 2016	9	16.19	87.46	8.2	33.52	8.2	24.6	0.48
F16	04 May 2016	10	15.77	87.36	8.4	33.50	8.2	24.6	0.50
F16	04 May 2016	11	15.43	87.44	8.3	33.48	8.2	24.7	0.50
F16	04 May 2016	12	15.08	87.55	8.3	33.47	8.2	24.8	0.49
F16	04 May 2016	13	14.91	87.52	8.2	33.47	8.2	24.8	0.51
F16	04 May 2016	14	14.36	86.44	8.2	33.47	8.2	24.9	0.63
F16	04 May 2016	15	14.19	85.96	8.1	33.48	8.1	25.0	0.77
F16	04 May 2016	16	13.92	83.52	7.7	33.49	8.1	25.0	1.39
F16	04 May 2016	17	13.56	83.09	7.2	33.48	8.1	25.1	2.26
F16	04 May 2016	18	13.22	85.09	6.6	33.45	8.1	25.1	2.39
F16	04 May 2016	19	12.90	86.38	6.3	33.43	8.0	25.2	2.12
F16	04 May 2016	20	12.84	86.61	6.2	33.43	8.0	25.2	2.01
F16	04 May 2016	21	12.73	86.68	6.0	33.44	8.0	25.2	1.97
F16	04 May 2016	22	12.42	87.54	5.8	33.43	8.0	25.3	1.88
F16	04 May 2016	23	12.29	88.13	5.7	33.45	8.0	25.3	1.63
F16	04 May 2016	24	12.29	88.34	5.6	33.46	8.0	25.3	1.53
F16	04 May 2016	25	12.11	88.68	5.5	33.46	7.9	25.4	1.40
F16	04 May 2016	26	12.01	88.87	5.5	33.46	7.9	25.4	1.35
F16	04 May 2016	27	11.94	89.04	5.4	33.46	7.9	25.4	1.23
F16	04 May 2016	28	11.78	89.12	5.4	33.45	7.9	25.4	1.15
F16	04 May 2016	29	11.65	89.24	5.4	33.45	7.9	25.4	1.09
F16	04 May 2016	30	11.50	89.45	5.3	33.46	7.9	25.5	0.97
F16	04 May 2016	31	11.51	89.51	5.3	33.47	7.9	25.5	0.93
F16	04 May 2016	32	11.52	89.55	5.2	33.48	7.9	25.5	0.90
F16	04 May 2016	33	11.49	89.58	5.2	33.48	7.9	25.5	0.85
F16	04 May 2016	34	11.38	89.63	5.2	33.48	7.9	25.5	0.84
F16	04 May 2016	35	11.32	89.64	5.3	33.48	7.9	25.5	0.82
F16	04 May 2016	36	11.30	89.61	5.2	33.48	7.9	25.5	0.83
F16	04 May 2016	37	11.26	89.61	5.2	33.48	7.9	25.5	0.86
F16	04 May 2016	38	11.25	89.63	5.2	33.48	7.9	25.5	0.82
F16	04 May 2016	39	11.25	89.59	5.2	33.48	7.9	25.5	0.82
F16	04 May 2016	40	11.25	89.51	5.2	33.48	7.9	25.6	0.85
F16	04 May 2016	41	11.24	89.51	5.2	33.49	7.9	25.6	0.83
F16	04 May 2016	42	11.20	89.58	5.1	33.49	7.9	25.6	0.79
F16	04 May 2016	43	11.10	89.73	5.1	33.50	7.9	25.6	0.78
F16	04 May 2016	44	11.02	89.80	5.0	33.52	7.9	25.6	0.70
F16	04 May 2016	45	10.96	89.80	5.0	33.53	7.9	25.6	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F16	04 May 2016	46	10.91	89.77	4.9	33.54	7.9	25.7	0.63
F16	04 May 2016	47	10.88	89.53	4.6	33.57	7.8	25.7	0.62
F16	04 May 2016	48	10.83	89.59	4.6	33.58	7.8	25.7	0.58
F16	04 May 2016	49	10.80	89.68	4.6	33.58	7.8	25.7	0.54
F16	04 May 2016	50	10.79	89.76	4.6	33.58	7.8	25.7	0.51
F16	04 May 2016	51	10.78	89.81	4.7	33.58	7.8	25.7	0.50
F16	04 May 2016	52	10.76	89.84	4.7	33.58	7.8	25.7	0.49
F16	04 May 2016	53	10.73	89.89	4.7	33.59	7.8	25.7	0.48
F16	04 May 2016	54	10.71	89.92	4.7	33.59	7.8	25.7	0.45
F16	04 May 2016	55	10.68	90.02	4.7	33.60	7.8	25.7	0.42
F16	04 May 2016	56	10.65	90.04	4.6	33.61	7.8	25.8	0.39
F16	04 May 2016	57	10.61	89.94	4.5	33.63	7.8	25.8	0.37
F16	04 May 2016	58	10.57	89.77	4.4	33.65	7.8	25.8	0.35
F16	04 May 2016	59	10.57	89.71	4.4	33.65	7.8	25.8	0.33
F16	04 May 2016	60	10.55	89.65	4.3	33.66	7.8	25.8	0.33
F16	04 May 2016	61	10.51	89.71	4.3	33.66	7.8	25.8	0.32
F16	04 May 2016	62	10.50	89.78	4.3	33.66	7.8	25.8	0.32
F16	04 May 2016	63	10.46	89.70	4.3	33.67	7.8	25.8	0.29
F16	04 May 2016	64	10.45	89.33	4.2	33.67	7.8	25.8	0.27
F16	04 May 2016	65	10.33	88.13	4.0	33.67	7.8	25.9	0.25
F16	04 May 2016	66	10.32	87.71	3.9	33.67	7.8	25.9	0.23
F16	04 May 2016	67	10.33	87.77	3.9	33.68	7.8	25.9	0.22
F16	04 May 2016	68	10.33	88.60	3.9	33.71	7.8	25.9	0.22
F16	04 May 2016	69	10.25	88.01	3.8	33.71	7.8	25.9	0.22
F16	04 May 2016	70	10.21	87.60	3.8	33.71	7.8	25.9	0.22
F16	04 May 2016	71	10.22	87.38	3.8	33.72	7.8	25.9	0.21
F16	04 May 2016	72	10.22	86.62	3.8	33.72	7.8	25.9	0.22
F16	04 May 2016	73	10.24	84.99	3.8	33.73	7.8	25.9	0.22
F16	04 May 2016	74	10.26	82.98	3.8	33.74	7.8	25.9	0.23
F16	04 May 2016	75	10.26	81.85	3.8	33.74	7.8	25.9	0.23
F16	04 May 2016	76	10.26	79.01	3.8	33.75	7.8	25.9	0.25
F16	04 May 2016	77	10.23	77.26	3.7	33.76	7.8	25.9	0.25
F16	04 May 2016	78	10.18	66.38	3.6	33.78	7.8	26.0	0.27
F16	04 May 2016	79	10.16	60.83	3.6	33.78	7.7	26.0	0.27
F16	04 May 2016	80	10.13	45.91	3.6	33.79	7.7	26.0	0.28
F16	04 May 2016	81	10.12	31.49	3.5	33.80	7.7	26.0	0.31
F16	04 May 2016	82	10.12	22.79	3.5	33.80	7.7	26.0	0.33
F17	04 May 2016	1	18.28	87.64	7.5	33.58	8.2	24.1	0.32
F17	04 May 2016	2	18.28	87.30	7.6	33.58	8.2	24.1	0.34
F17	04 May 2016	3	18.28	88.64	7.5	33.58	8.2	24.1	0.34
F17	04 May 2016	4	18.27	88.66	7.5	33.58	8.2	24.1	0.34
F17	04 May 2016	5	18.19	88.59	7.5	33.58	8.2	24.1	0.35
F17	04 May 2016	6	18.03	88.31	7.6	33.57	8.2	24.2	0.39
F17	04 May 2016	7	17.96	88.07	7.5	33.57	8.2	24.2	0.42
F17	04 May 2016	8	16.98	87.87	7.7	33.54	8.2	24.4	0.44
F17	04 May 2016	9	15.88	87.65	8.2	33.52	8.2	24.6	0.47
F17	04 May 2016	10	15.69	87.68	8.4	33.49	8.2	24.7	0.49
F17	04 May 2016	11	15.47	87.70	8.4	33.49	8.2	24.7	0.51
F17	04 May 2016	12	15.12	87.77	8.5	33.48	8.2	24.8	0.53
F17	04 May 2016	13	14.85	87.75	8.4	33.49	8.2	24.8	0.53
F17	04 May 2016	14	14.54	87.37	8.4	33.48	8.2	24.9	0.58
F17	04 May 2016	15	14.33	86.94	8.1	33.48	8.2	24.9	0.71
F17	04 May 2016	16	14.03	84.91	8.0	33.49	8.1	25.0	1.12
F17	04 May 2016	17	14.04	83.00	7.9	33.49	8.1	25.0	1.60

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F17	04 May 2016	18	13.65	83.58	7.4	33.49	8.1	25.1	2.19
F17	04 May 2016	19	13.63	84.16	7.2	33.49	8.1	25.1	2.63
F17	04 May 2016	20	13.29	85.22	6.7	33.46	8.1	25.1	2.55
F17	04 May 2016	21	13.00	86.07	6.4	33.45	8.0	25.2	2.35
F17	04 May 2016	22	12.83	86.85	6.2	33.43	8.0	25.2	2.14
F17	04 May 2016	23	12.75	87.05	6.1	33.43	8.0	25.2	2.05
F17	04 May 2016	24	12.70	87.24	6.1	33.43	8.0	25.2	1.96
F17	04 May 2016	25	12.53	87.77	5.8	33.45	8.0	25.3	1.84
F17	04 May 2016	26	12.42	88.21	5.7	33.47	8.0	25.3	1.72
F17	04 May 2016	27	12.36	88.50	5.6	33.47	7.9	25.3	1.59
F17	04 May 2016	28	12.27	88.68	5.4	33.48	7.9	25.4	1.53
F17	04 May 2016	29	12.14	88.82	5.3	33.49	7.9	25.4	1.40
F17	04 May 2016	30	12.07	89.06	5.3	33.49	7.9	25.4	1.31
F17	04 May 2016	31	11.88	89.24	5.3	33.48	7.9	25.4	1.26
F17	04 May 2016	32	11.71	89.28	5.4	33.46	7.9	25.4	1.17
F17	04 May 2016	33	11.62	89.46	5.4	33.45	7.9	25.5	1.09
F17	04 May 2016	34	11.51	89.52	5.2	33.48	7.9	25.5	0.96
F17	04 May 2016	35	11.44	89.69	5.1	33.50	7.9	25.5	0.88
F17	04 May 2016	36	11.36	89.73	5.2	33.49	7.9	25.5	0.81
F17	04 May 2016	37	11.36	89.72	5.2	33.49	7.9	25.5	0.82
F17	04 May 2016	38	11.36	89.73	5.1	33.49	7.9	25.5	0.82
F17	04 May 2016	39	11.35	89.74	5.1	33.49	7.9	25.5	0.80
F17	04 May 2016	40	11.30	89.71	5.1	33.49	7.9	25.5	0.77
F17	04 May 2016	41	11.26	89.63	5.1	33.49	7.9	25.6	0.81
F17	04 May 2016	42	11.23	89.65	5.1	33.49	7.9	25.6	0.81
F17	04 May 2016	43	11.22	89.61	5.1	33.49	7.9	25.6	0.78
F17	04 May 2016	44	11.22	89.62	5.1	33.50	7.9	25.6	0.79
F17	04 May 2016	45	11.22	89.56	5.1	33.50	7.9	25.6	0.77
F17	04 May 2016	46	11.22	89.48	5.0	33.50	7.9	25.6	0.78
F17	04 May 2016	47	11.23	89.41	5.0	33.50	7.9	25.6	0.79
F17	04 May 2016	48	11.23	89.30	5.0	33.51	7.9	25.6	0.79
F17	04 May 2016	49	11.22	89.20	5.0	33.51	7.9	25.6	0.78
F17	04 May 2016	50	11.22	89.14	4.9	33.52	7.9	25.6	0.79
F17	04 May 2016	51	11.17	89.09	4.9	33.52	7.9	25.6	0.78
F17	04 May 2016	52	10.99	89.44	5.0	33.52	7.9	25.6	0.68
F17	04 May 2016	53	10.96	89.79	5.0	33.52	7.9	25.6	0.63
F17	04 May 2016	54	10.91	89.78	4.9	33.53	7.8	25.6	0.63
F17	04 May 2016	55	10.90	89.75	4.8	33.54	7.8	25.7	0.61
F17	04 May 2016	56	10.91	89.65	4.7	33.56	7.8	25.7	0.60
F17	04 May 2016	57	10.89	89.47	4.5	33.57	7.8	25.7	0.58
F17	04 May 2016	58	10.85	89.32	4.4	33.60	7.8	25.7	0.54
F17	04 May 2016	59	10.69	89.30	4.4	33.62	7.8	25.8	0.45
F17	04 May 2016	60	10.62	89.65	4.5	33.61	7.8	25.8	0.40
F17	04 May 2016	61	10.54	89.82	4.5	33.62	7.8	25.8	0.36
F17	04 May 2016	62	10.52	89.82	4.5	33.64	7.8	25.8	0.33
F17	04 May 2016	63	10.52	89.54	4.4	33.65	7.8	25.8	0.32
F17	04 May 2016	64	10.50	89.41	4.3	33.66	7.8	25.8	0.32
F17	04 May 2016	65	10.45	89.42	4.3	33.67	7.8	25.8	0.31
F17	04 May 2016	66	10.46	89.52	4.3	33.67	7.8	25.8	0.30
F17	04 May 2016	67	10.40	89.68	4.3	33.69	7.8	25.9	0.28
F17	04 May 2016	68	10.42	89.90	4.2	33.71	7.8	25.9	0.26
F17	04 May 2016	69	10.36	89.80	4.0	33.71	7.8	25.9	0.24
F17	04 May 2016	70	10.33	89.31	4.0	33.71	7.8	25.9	0.24
F17	04 May 2016	71	10.29	88.84	3.9	33.72	7.8	25.9	0.22
F17	04 May 2016	72	10.19	88.40	3.8	33.72	7.8	25.9	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F17	04 May 2016	73	10.17	88.05	3.8	33.73	7.8	25.9	0.21
F17	04 May 2016	74	10.20	88.37	3.8	33.74	7.8	25.9	0.21
F17	04 May 2016	75	10.20	88.27	3.9	33.75	7.8	25.9	0.21
F17	04 May 2016	76	10.19	87.97	3.9	33.75	7.8	25.9	0.21
F17	04 May 2016	77	10.18	87.67	3.8	33.75	7.8	25.9	0.21
F17	04 May 2016	78	10.17	86.74	3.8	33.76	7.8	26.0	0.21
F17	04 May 2016	79	10.17	85.73	3.8	33.76	7.8	26.0	0.21
F17	04 May 2016	80	10.13	80.71	3.7	33.78	7.8	26.0	0.22
F17	04 May 2016	81	10.10	79.16	3.6	33.79	7.7	26.0	0.22
F17	04 May 2016	82	10.09	78.15	3.6	33.79	7.7	26.0	0.22
F18	04 May 2016	1	18.29	88.37	7.5	33.58	8.2	24.1	0.39
F18	04 May 2016	2	18.30	88.40	7.5	33.58	8.2	24.1	0.39
F18	04 May 2016	3	18.28	88.43	7.5	33.58	8.2	24.1	0.41
F18	04 May 2016	4	18.09	88.25	7.5	33.57	8.2	24.2	0.43
F18	04 May 2016	5	18.01	88.04	7.6	33.57	8.2	24.2	0.46
F18	04 May 2016	6	17.71	87.89	7.7	33.56	8.2	24.2	0.50
F18	04 May 2016	7	17.27	87.73	7.8	33.55	8.2	24.3	0.55
F18	04 May 2016	8	16.66	87.29	8.0	33.52	8.2	24.5	0.63
F18	04 May 2016	9	15.67	87.57	8.2	33.51	8.2	24.7	0.64
F18	04 May 2016	10	15.17	87.75	8.4	33.49	8.2	24.8	0.63
F18	04 May 2016	11	14.88	87.84	8.5	33.48	8.2	24.8	0.63
F18	04 May 2016	12	14.55	87.52	8.3	33.47	8.2	24.9	0.68
F18	04 May 2016	13	14.33	86.87	8.2	33.47	8.2	24.9	0.77
F18	04 May 2016	14	14.20	86.24	8.0	33.47	8.1	25.0	0.88
F18	04 May 2016	15	14.11	85.66	7.9	33.49	8.1	25.0	1.16
F18	04 May 2016	16	13.84	84.03	7.5	33.49	8.1	25.1	1.86
F18	04 May 2016	17	13.45	85.18	7.0	33.47	8.1	25.1	2.37
F18	04 May 2016	18	13.32	85.95	6.6	33.45	8.1	25.1	2.49
F18	04 May 2016	19	12.98	86.43	6.1	33.46	8.0	25.2	2.36
F18	04 May 2016	20	12.80	87.12	5.8	33.45	8.0	25.2	2.11
F18	04 May 2016	21	12.77	87.80	5.9	33.45	8.0	25.2	2.01
F18	04 May 2016	22	12.53	88.07	5.8	33.43	8.0	25.3	1.82
F18	04 May 2016	23	12.45	88.23	5.7	33.44	8.0	25.3	1.63
F18	04 May 2016	24	12.42	88.39	5.7	33.45	8.0	25.3	1.59
F18	04 May 2016	25	12.33	88.58	5.6	33.46	8.0	25.3	1.54
F18	04 May 2016	26	12.30	88.79	5.5	33.46	8.0	25.3	1.49
F18	04 May 2016	27	12.24	88.92	5.4	33.47	7.9	25.4	1.44
F18	04 May 2016	28	12.10	89.11	5.3	33.49	7.9	25.4	1.34
F18	04 May 2016	29	12.03	89.37	5.2	33.49	7.9	25.4	1.24
F18	04 May 2016	30	11.88	89.43	5.2	33.50	7.9	25.4	1.13
F18	04 May 2016	31	11.86	89.49	5.1	33.50	7.9	25.4	1.05
F18	04 May 2016	32	11.83	89.54	5.1	33.50	7.9	25.5	1.01
F18	04 May 2016	33	11.77	89.63	5.0	33.51	7.9	25.5	0.93
F18	04 May 2016	34	11.65	89.72	5.0	33.51	7.9	25.5	0.89
F18	04 May 2016	35	11.49	89.78	5.1	33.50	7.9	25.5	0.81
F18	04 May 2016	36	11.46	89.81	5.1	33.49	7.9	25.5	0.81
F18	04 May 2016	37	11.21	89.89	5.2	33.47	7.9	25.5	0.76
F18	04 May 2016	38	11.17	89.92	5.3	33.47	7.9	25.6	0.72
F18	04 May 2016	39	11.16	89.92	5.3	33.47	7.9	25.6	0.71
F18	04 May 2016	40	11.15	89.96	5.3	33.47	7.9	25.6	0.68
F18	04 May 2016	41	11.10	89.97	5.3	33.46	7.9	25.6	0.67
F18	04 May 2016	42	11.09	89.97	5.2	33.47	7.9	25.6	0.65
F18	04 May 2016	43	11.05	89.99	5.2	33.48	7.9	25.6	0.63
F18	04 May 2016	44	11.00	89.97	5.1	33.50	7.9	25.6	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F18	04 May 2016	45	10.99	89.96	5.1	33.51	7.9	25.6	0.61
F18	04 May 2016	46	10.98	89.95	5.0	33.51	7.9	25.6	0.61
F18	04 May 2016	47	10.98	89.95	5.0	33.52	7.9	25.6	0.60
F18	04 May 2016	48	10.98	89.93	5.0	33.52	7.9	25.6	0.62
F18	04 May 2016	49	10.97	89.93	5.0	33.52	7.9	25.6	0.61
F18	04 May 2016	50	10.96	89.95	5.0	33.52	7.9	25.6	0.60
F18	04 May 2016	51	10.95	89.93	5.0	33.53	7.9	25.6	0.61
F18	04 May 2016	52	10.93	89.90	5.0	33.53	7.9	25.6	0.59
F18	04 May 2016	53	10.90	89.90	4.9	33.54	7.9	25.7	0.58
F18	04 May 2016	54	10.89	89.86	4.8	33.55	7.9	25.7	0.57
F18	04 May 2016	55	10.88	89.61	4.6	33.57	7.8	25.7	0.56
F18	04 May 2016	56	10.88	89.48	4.4	33.59	7.8	25.7	0.54
F18	04 May 2016	57	10.90	89.26	4.3	33.61	7.8	25.7	0.53
F18	04 May 2016	58	10.89	88.99	4.1	33.63	7.8	25.7	0.51
F18	04 May 2016	59	10.81	88.96	4.1	33.64	7.8	25.8	0.47
F18	04 May 2016	60	10.61	89.75	4.3	33.63	7.8	25.8	0.40
F18	04 May 2016	61	10.52	90.05	4.5	33.63	7.8	25.8	0.36
F18	04 May 2016	62	10.50	90.07	4.5	33.64	7.8	25.8	0.34
F18	04 May 2016	63	10.49	90.07	4.5	33.64	7.8	25.8	0.34
F18	04 May 2016	64	10.49	90.09	4.5	33.64	7.8	25.8	0.31
F18	04 May 2016	65	10.45	89.96	4.4	33.66	7.8	25.8	0.33
F18	04 May 2016	66	10.44	89.62	4.3	33.67	7.8	25.8	0.32
F18	04 May 2016	67	10.41	89.49	4.1	33.69	7.8	25.9	0.30
F18	04 May 2016	68	10.40	89.55	4.2	33.69	7.8	25.9	0.30
F18	04 May 2016	69	10.37	89.56	4.2	33.69	7.8	25.9	0.29
F18	04 May 2016	70	10.33	89.63	4.2	33.71	7.8	25.9	0.28
F18	04 May 2016	71	10.29	89.58	4.2	33.72	7.8	25.9	0.27
F18	04 May 2016	72	10.28	89.37	4.1	33.74	7.8	25.9	0.26
F18	04 May 2016	73	10.29	89.47	4.0	33.74	7.8	25.9	0.24
F18	04 May 2016	74	10.27	89.41	4.0	33.75	7.8	25.9	0.24
F18	04 May 2016	75	10.26	89.27	3.9	33.75	7.8	25.9	0.23
F18	04 May 2016	76	10.17	88.63	3.8	33.74	7.8	25.9	0.22
F18	04 May 2016	77	10.10	87.79	3.8	33.74	7.8	26.0	0.22
F18	04 May 2016	78	10.07	88.46	3.8	33.77	7.8	26.0	0.22
F18	04 May 2016	79	10.06	88.33	3.8	33.78	7.8	26.0	0.22
F18	04 May 2016	80	10.04	87.30	3.7	33.79	7.8	26.0	0.22
F18	04 May 2016	81	10.04	86.92	3.7	33.79	7.8	26.0	0.21
F18	04 May 2016	82	10.03	86.50	3.7	33.80	7.8	26.0	0.22
F18	04 May 2016	83	10.03	86.33	3.7	33.80	7.8	26.0	0.21
F19	04 May 2016	1	18.27	88.20	7.5	33.58	8.2	24.1	0.44
F19	04 May 2016	2	18.23	88.34	7.5	33.58	8.2	24.1	0.45
F19	04 May 2016	3	18.21	88.29	7.5	33.58	8.2	24.1	0.46
F19	04 May 2016	4	18.15	88.22	7.6	33.58	8.2	24.1	0.47
F19	04 May 2016	5	18.15	88.24	7.6	33.58	8.2	24.1	0.48
F19	04 May 2016	6	18.06	88.21	7.6	33.57	8.2	24.2	0.51
F19	04 May 2016	7	17.82	88.05	7.7	33.56	8.2	24.2	0.56
F19	04 May 2016	8	17.54	87.81	7.8	33.55	8.2	24.3	0.60
F19	04 May 2016	9	17.41	87.66	7.9	33.55	8.2	24.3	0.64
F19	04 May 2016	10	17.25	87.60	7.9	33.54	8.2	24.3	0.66
F19	04 May 2016	11	16.69	87.69	7.9	33.52	8.2	24.4	0.68
F19	04 May 2016	12	15.72	87.65	8.2	33.50	8.2	24.7	0.67
F19	04 May 2016	13	15.12	87.87	8.4	33.49	8.2	24.8	0.65
F19	04 May 2016	14	14.86	87.88	8.6	33.48	8.2	24.8	0.66
F19	04 May 2016	15	14.67	87.87	8.5	33.47	8.2	24.9	0.68

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F19	04 May 2016	16	14.64	87.89	8.4	33.47	8.2	24.9	0.71
F19	04 May 2016	17	14.46	87.88	8.2	33.47	8.2	24.9	0.74
F19	04 May 2016	18	14.27	87.45	8.1	33.48	8.2	25.0	0.82
F19	04 May 2016	19	14.14	86.85	8.0	33.49	8.1	25.0	0.99
F19	04 May 2016	20	14.03	85.88	7.7	33.49	8.1	25.0	1.48
F19	04 May 2016	21	13.62	83.55	7.2	33.47	8.1	25.1	2.41
F19	04 May 2016	22	13.20	84.61	6.6	33.45	8.1	25.2	2.59
F19	04 May 2016	23	12.97	86.31	6.3	33.43	8.0	25.2	2.34
F19	04 May 2016	24	12.85	87.05	6.1	33.42	8.0	25.2	2.13
F19	04 May 2016	25	12.72	87.24	6.0	33.42	8.0	25.2	2.08
F19	04 May 2016	26	12.62	87.39	5.9	33.43	8.0	25.3	2.02
F19	04 May 2016	27	12.59	87.45	5.8	33.44	8.0	25.3	2.05
F19	04 May 2016	28	12.49	87.68	5.7	33.45	8.0	25.3	1.86
F19	04 May 2016	29	12.35	88.19	5.6	33.45	8.0	25.3	1.78
F19	04 May 2016	30	12.32	88.58	5.5	33.45	8.0	25.3	1.62
F19	04 May 2016	31	12.28	88.77	5.5	33.46	8.0	25.3	1.51
F19	04 May 2016	32	12.24	88.86	5.5	33.47	7.9	25.4	1.46
F19	04 May 2016	33	12.17	89.03	5.4	33.47	7.9	25.4	1.37
F19	04 May 2016	34	12.09	89.15	5.3	33.48	7.9	25.4	1.33
F19	04 May 2016	35	11.95	89.32	5.2	33.50	7.9	25.4	1.19
F19	04 May 2016	36	11.83	89.42	5.1	33.51	7.9	25.5	1.05
F19	04 May 2016	37	11.58	89.69	5.1	33.51	7.9	25.5	0.88
F19	04 May 2016	38	11.46	89.76	5.1	33.49	7.9	25.5	0.80
F19	04 May 2016	39	11.30	89.83	5.2	33.48	7.9	25.5	0.75
F19	04 May 2016	40	11.24	89.87	5.2	33.47	7.9	25.5	0.73
F19	04 May 2016	41	11.19	89.89	5.2	33.47	7.9	25.6	0.70
F19	04 May 2016	42	11.14	89.93	5.2	33.47	7.9	25.6	0.67
F19	04 May 2016	43	11.09	89.92	5.2	33.48	7.9	25.6	0.67
F19	04 May 2016	44	11.05	89.95	5.1	33.50	7.9	25.6	0.64
F19	04 May 2016	45	11.04	89.92	5.1	33.51	7.9	25.6	0.59
F19	04 May 2016	46	10.97	89.94	5.0	33.51	7.9	25.6	0.59
F19	04 May 2016	47	10.92	89.98	5.0	33.53	7.9	25.6	0.58
F19	04 May 2016	48	10.86	89.97	4.9	33.54	7.9	25.7	0.55
F19	04 May 2016	49	10.80	90.00	4.9	33.56	7.9	25.7	0.54
F19	04 May 2016	50	10.78	90.01	4.8	33.56	7.9	25.7	0.52
F19	04 May 2016	51	10.77	89.97	4.8	33.57	7.9	25.7	0.49
F19	04 May 2016	52	10.76	89.83	4.8	33.58	7.9	25.7	0.47
F19	04 May 2016	53	10.74	89.80	4.7	33.59	7.8	25.7	0.44
F19	04 May 2016	54	10.75	89.84	4.5	33.62	7.8	25.7	0.44
F19	04 May 2016	55	10.77	89.56	4.3	33.64	7.8	25.8	0.40
F19	04 May 2016	56	10.70	89.17	4.2	33.64	7.8	25.8	0.40
F19	04 May 2016	57	10.54	89.41	4.3	33.64	7.8	25.8	0.37
F19	04 May 2016	58	10.46	89.79	4.4	33.66	7.8	25.8	0.34
F19	04 May 2016	59	10.45	89.96	4.5	33.66	7.8	25.8	0.32
F19	04 May 2016	60	10.44	90.01	4.4	33.66	7.8	25.8	0.31
F19	04 May 2016	61	10.42	89.99	4.4	33.66	7.8	25.8	0.30
F19	04 May 2016	62	10.42	89.99	4.4	33.66	7.8	25.8	0.30
F19	04 May 2016	63	10.42	90.03	4.4	33.66	7.8	25.8	0.29
F19	04 May 2016	64	10.41	90.04	4.4	33.67	7.8	25.8	0.29
F19	04 May 2016	65	10.38	89.93	4.3	33.68	7.8	25.9	0.29
F19	04 May 2016	66	10.35	89.80	4.2	33.70	7.8	25.9	0.28
F19	04 May 2016	67	10.34	89.66	4.2	33.70	7.8	25.9	0.28
F19	04 May 2016	68	10.32	89.58	4.2	33.71	7.8	25.9	0.27
F19	04 May 2016	69	10.33	89.70	4.2	33.73	7.8	25.9	0.25
F19	04 May 2016	70	10.34	89.93	4.1	33.74	7.8	25.9	0.24



Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F19	04 May 2016	71	10.33	89.96	4.1	33.74	7.8	25.9	0.23
F19	04 May 2016	72	10.31	89.94	4.1	33.75	7.8	25.9	0.23
F19	04 May 2016	73	10.25	89.32	4.0	33.76	7.8	25.9	0.23
F19	04 May 2016	74	10.24	88.76	4.0	33.76	7.8	25.9	0.23
F19	04 May 2016	75	10.22	88.47	4.0	33.76	7.8	25.9	0.23
F19	04 May 2016	76	10.19	88.28	3.9	33.77	7.8	26.0	0.23
F19	04 May 2016	77	10.18	88.09	3.9	33.77	7.8	26.0	0.22
F19	04 May 2016	78	10.11	87.00	3.8	33.78	7.8	26.0	0.22
F19	04 May 2016	79	10.07	87.18	3.8	33.79	7.8	26.0	0.21
F19	04 May 2016	80	10.06	87.28	3.7	33.79	7.8	26.0	0.21
F19	04 May 2016	81	10.06	87.09	3.7	33.79	7.8	26.0	0.21
F19	04 May 2016	82	10.06	86.91	3.7	33.79	7.8	26.0	0.21
F19	04 May 2016	83	10.06	86.71	3.7	33.79	7.8	26.0	0.21
F20	04 May 2016	1	18.21	88.21	7.6	33.58	8.2	24.1	0.43
F20	04 May 2016	2	18.21	88.25	7.5	33.58	8.2	24.1	0.43
F20	04 May 2016	3	18.21	88.17	7.5	33.58	8.2	24.1	0.44
F20	04 May 2016	4	18.21	88.14	7.5	33.58	8.2	24.1	0.45
F20	04 May 2016	5	18.20	88.31	7.5	33.58	8.2	24.1	0.48
F20	04 May 2016	6	18.14	88.17	7.5	33.58	8.2	24.1	0.50
F20	04 May 2016	7	17.84	87.93	7.7	33.57	8.2	24.2	0.57
F20	04 May 2016	8	17.68	87.58	7.7	33.56	8.2	24.2	0.65
F20	04 May 2016	9	17.41	87.55	7.8	33.55	8.2	24.3	0.70
F20	04 May 2016	10	17.10	87.64	7.9	33.54	8.2	24.4	0.74
F20	04 May 2016	11	16.78	87.33	8.0	33.53	8.2	24.4	0.75
F20	04 May 2016	12	16.71	87.37	8.1	33.52	8.2	24.4	0.77
F20	04 May 2016	13	16.65	87.48	8.0	33.52	8.2	24.5	0.78
F20	04 May 2016	14	15.70	87.38	8.2	33.51	8.2	24.7	0.78
F20	04 May 2016	15	15.21	87.45	8.3	33.50	8.2	24.8	0.76
F20	04 May 2016	16	14.79	87.37	8.3	33.49	8.2	24.9	0.78
F20	04 May 2016	17	14.43	87.44	8.2	33.48	8.2	24.9	0.78
F20	04 May 2016	18	14.29	87.35	8.1	33.48	8.2	24.9	0.82
F20	04 May 2016	19	14.20	86.96	8.1	33.48	8.1	25.0	0.93
F20	04 May 2016	20	14.15	86.67	8.0	33.49	8.1	25.0	1.10
F20	04 May 2016	21	14.06	85.74	7.9	33.49	8.1	25.0	1.43
F20	04 May 2016	22	13.98	84.52	7.9	33.49	8.1	25.0	1.98
F20	04 May 2016	23	13.90	83.38	7.8	33.50	8.1	25.0	2.70
F20	04 May 2016	24	13.81	83.92	7.5	33.50	8.1	25.1	2.93
F20	04 May 2016	25	13.58	83.89	7.1	33.49	8.1	25.1	3.13
F20	04 May 2016	26	13.27	85.42	6.6	33.47	8.1	25.2	2.84
F20	04 May 2016	27	12.95	86.88	6.3	33.44	8.0	25.2	2.46
F20	04 May 2016	28	12.75	87.32	6.0	33.44	8.0	25.2	2.22
F20	04 May 2016	29	12.61	87.71	5.8	33.45	8.0	25.3	2.06
F20	04 May 2016	30	12.40	88.22	5.6	33.46	8.0	25.3	1.88
F20	04 May 2016	31	12.29	88.69	5.5	33.46	8.0	25.3	1.61
F20	04 May 2016	32	12.27	88.96	5.5	33.46	8.0	25.3	1.56
F20	04 May 2016	33	12.17	89.13	5.4	33.46	7.9	25.4	1.39
F20	04 May 2016	34	12.02	89.31	5.3	33.47	7.9	25.4	1.24
F20	04 May 2016	35	11.90	89.47	5.1	33.50	7.9	25.4	1.15
F20	04 May 2016	36	11.86	89.63	5.0	33.52	7.9	25.5	1.05
F20	04 May 2016	37	11.73	89.70	5.0	33.52	7.9	25.5	0.96
F20	04 May 2016	38	11.33	89.90	5.1	33.49	7.9	25.5	0.82
F20	04 May 2016	39	11.17	89.99	5.2	33.48	7.9	25.6	0.72
F20	04 May 2016	40	11.07	89.98	5.2	33.48	7.9	25.6	0.67
F20	04 May 2016	41	11.07	89.99	5.2	33.49	7.9	25.6	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F20	04 May 2016	42	11.07	89.98	5.1	33.50	7.9	25.6	0.62
F20	04 May 2016	43	10.97	90.02	5.0	33.51	7.9	25.6	0.60
F20	04 May 2016	44	10.93	90.04	5.0	33.52	7.9	25.6	0.58
F20	04 May 2016	45	10.88	90.01	5.0	33.52	7.9	25.6	0.57
F20	04 May 2016	46	10.87	90.04	5.0	33.52	7.9	25.6	0.56
F20	04 May 2016	47	10.83	90.09	5.0	33.53	7.9	25.7	0.54
F20	04 May 2016	48	10.80	90.12	5.0	33.55	7.9	25.7	0.51
F20	04 May 2016	49	10.79	90.12	4.9	33.55	7.9	25.7	0.49
F20	04 May 2016	50	10.79	90.12	4.9	33.56	7.9	25.7	0.49
F20	04 May 2016	51	10.78	90.10	4.9	33.56	7.9	25.7	0.47
F20	04 May 2016	52	10.78	90.09	4.9	33.56	7.9	25.7	0.46
F20	04 May 2016	53	10.78	90.11	4.9	33.56	7.9	25.7	0.46
F20	04 May 2016	54	10.76	90.10	4.8	33.57	7.9	25.7	0.45
F20	04 May 2016	55	10.72	90.11	4.7	33.59	7.9	25.7	0.41
F20	04 May 2016	56	10.63	90.11	4.6	33.63	7.8	25.8	0.39
F20	04 May 2016	57	10.56	90.12	4.5	33.65	7.8	25.8	0.34
F20	04 May 2016	58	10.52	90.11	4.4	33.66	7.8	25.8	0.31
F20	04 May 2016	59	10.49	90.08	4.4	33.66	7.8	25.8	0.30
F20	04 May 2016	60	10.47	90.05	4.4	33.66	7.8	25.8	0.32
F20	04 May 2016	61	10.46	90.00	4.4	33.66	7.8	25.8	0.29
F20	04 May 2016	62	10.44	89.94	4.3	33.67	7.8	25.8	0.30
F20	04 May 2016	63	10.40	89.88	4.3	33.68	7.8	25.9	0.29
F20	04 May 2016	64	10.33	89.85	4.3	33.70	7.8	25.9	0.29
F20	04 May 2016	65	10.31	89.83	4.2	33.72	7.8	25.9	0.26
F20	04 May 2016	66	10.30	89.71	4.2	33.72	7.8	25.9	0.25
F20	04 May 2016	67	10.29	89.65	4.2	33.72	7.8	25.9	0.25
F20	04 May 2016	68	10.29	89.62	4.2	33.72	7.8	25.9	0.25
F20	04 May 2016	69	10.27	89.49	4.1	33.73	7.8	25.9	0.25
F20	04 May 2016	70	10.22	88.83	4.1	33.75	7.8	25.9	0.24
F20	04 May 2016	71	10.21	88.75	4.0	33.76	7.8	25.9	0.23
F20	04 May 2016	72	10.21	88.99	4.0	33.77	7.8	26.0	0.23
F20	04 May 2016	73	10.18	89.19	3.9	33.79	7.8	26.0	0.22
F20	04 May 2016	74	10.16	88.56	3.9	33.79	7.8	26.0	0.22
F20	04 May 2016	75	10.15	88.35	3.9	33.79	7.8	26.0	0.22
F20	04 May 2016	76	10.14	87.47	3.9	33.79	7.8	26.0	0.21
F20	04 May 2016	77	10.13	86.87	3.8	33.79	7.8	26.0	0.21
F20	04 May 2016	78	10.12	85.97	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	79	10.12	85.60	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	80	10.11	85.54	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	81	10.11	85.42	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	82	10.11	85.33	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	83	10.11	85.31	3.8	33.80	7.8	26.0	0.22
F20	04 May 2016	84	10.11	85.25	3.8	33.80	7.8	26.0	0.22
F21	04 May 2016	1	18.23	88.61	7.5	33.58	8.2	24.1	0.41
F21	04 May 2016	2	18.22	88.53	7.5	33.58	8.2	24.1	0.42
F21	04 May 2016	3	18.19	88.53	7.5	33.58	8.2	24.1	0.45
F21	04 May 2016	4	18.16	88.19	7.5	33.58	8.2	24.1	0.49
F21	04 May 2016	5	18.09	88.00	7.6	33.58	8.2	24.2	0.53
F21	04 May 2016	6	17.71	87.75	7.7	33.56	8.2	24.2	0.59
F21	04 May 2016	7	17.61	87.71	7.9	33.55	8.2	24.3	0.62
F21	04 May 2016	8	17.56	87.56	7.9	33.55	8.2	24.3	0.66
F21	04 May 2016	9	17.50	87.53	7.8	33.55	8.2	24.3	0.68
F21	04 May 2016	10	17.44	87.60	7.8	33.55	8.2	24.3	0.71
F21	04 May 2016	11	17.34	87.40	7.8	33.55	8.2	24.3	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F21	04 May 2016	12	17.19	87.27	7.8	33.54	8.2	24.4	0.76
F21	04 May 2016	13	16.83	87.24	8.0	33.53	8.2	24.4	0.79
F21	04 May 2016	14	16.44	87.45	8.2	33.52	8.2	24.5	0.80
F21	04 May 2016	15	15.87	87.54	8.2	33.51	8.2	24.6	0.79
F21	04 May 2016	16	15.16	87.58	8.2	33.50	8.2	24.8	0.79
F21	04 May 2016	17	14.72	87.69	8.3	33.49	8.2	24.9	0.77
F21	04 May 2016	18	14.47	87.58	8.2	33.48	8.2	24.9	0.77
F21	04 May 2016	19	14.31	87.30	8.1	33.47	8.2	24.9	0.81
F21	04 May 2016	20	14.21	86.53	8.0	33.47	8.1	25.0	0.89
F21	04 May 2016	21	13.95	84.90	7.9	33.48	8.1	25.0	1.46
F21	04 May 2016	22	13.86	83.00	7.8	33.48	8.1	25.0	2.21
F21	04 May 2016	23	13.83	83.27	7.7	33.49	8.1	25.1	2.89
F21	04 May 2016	24	13.81	84.24	7.5	33.49	8.1	25.1	2.92
F21	04 May 2016	25	13.59	85.29	7.1	33.49	8.1	25.1	2.79
F21	04 May 2016	26	13.51	85.79	6.8	33.49	8.1	25.1	2.66
F21	04 May 2016	27	13.18	86.31	6.5	33.47	8.0	25.2	2.46
F21	04 May 2016	28	12.97	86.84	6.3	33.45	8.0	25.2	2.26
F21	04 May 2016	29	12.75	87.22	6.0	33.45	8.0	25.2	2.18
F21	04 May 2016	30	12.39	87.90	5.7	33.45	8.0	25.3	1.98
F21	04 May 2016	31	12.30	88.52	5.5	33.47	8.0	25.3	1.72
F21	04 May 2016	32	12.27	88.82	5.4	33.47	8.0	25.4	1.55
F21	04 May 2016	33	12.24	88.98	5.4	33.48	7.9	25.4	1.43
F21	04 May 2016	34	12.14	89.23	5.3	33.49	7.9	25.4	1.29
F21	04 May 2016	35	12.02	89.36	5.2	33.49	7.9	25.4	1.21
F21	04 May 2016	36	11.89	89.49	5.2	33.50	7.9	25.4	1.08
F21	04 May 2016	37	11.79	89.62	5.2	33.50	7.9	25.5	1.03
F21	04 May 2016	38	11.58	89.72	5.1	33.50	7.9	25.5	0.95
F21	04 May 2016	39	11.40	89.85	5.1	33.50	7.9	25.5	0.82
F21	04 May 2016	40	11.30	89.89	5.1	33.49	7.9	25.5	0.76
F21	04 May 2016	41	11.14	89.96	5.1	33.50	7.9	25.6	0.73
F21	04 May 2016	42	11.05	90.00	5.1	33.50	7.9	25.6	0.64
F21	04 May 2016	43	11.00	89.99	5.1	33.50	7.9	25.6	0.62
F21	04 May 2016	44	11.00	90.01	5.1	33.51	7.9	25.6	0.60
F21	04 May 2016	45	10.91	90.02	5.0	33.51	7.9	25.6	0.58
F21	04 May 2016	46	10.84	90.04	5.0	33.53	7.9	25.7	0.56
F21	04 May 2016	47	10.82	90.04	5.0	33.54	7.9	25.7	0.54
F21	04 May 2016	48	10.80	90.02	4.9	33.55	7.9	25.7	0.53
F21	04 May 2016	49	10.76	90.10	4.9	33.56	7.9	25.7	0.49
F21	04 May 2016	50	10.75	90.11	4.8	33.56	7.9	25.7	0.47
F21	04 May 2016	51	10.75	90.12	4.9	33.57	7.9	25.7	0.46
F21	04 May 2016	52	10.72	90.13	4.8	33.58	7.9	25.7	0.45
F21	04 May 2016	53	10.70	90.12	4.8	33.59	7.9	25.7	0.41
F21	04 May 2016	54	10.70	90.12	4.7	33.60	7.8	25.7	0.39
F21	04 May 2016	55	10.69	89.78	4.6	33.60	7.8	25.7	0.39
F21	04 May 2016	56	10.62	90.02	4.6	33.63	7.8	25.8	0.37
F21	04 May 2016	57	10.58	90.14	4.5	33.64	7.8	25.8	0.36
F21	04 May 2016	58	10.53	90.17	4.5	33.64	7.8	25.8	0.32
F21	04 May 2016	59	10.49	90.06	4.5	33.65	7.8	25.8	0.31
F21	04 May 2016	60	10.46	89.97	4.4	33.67	7.8	25.8	0.31
F21	04 May 2016	61	10.45	89.89	4.3	33.67	7.8	25.8	0.30
F21	04 May 2016	62	10.41	89.80	4.3	33.68	7.8	25.9	0.30
F21	04 May 2016	63	10.37	89.71	4.2	33.69	7.8	25.9	0.29
F21	04 May 2016	64	10.30	89.64	4.2	33.72	7.8	25.9	0.28
F21	04 May 2016	65	10.30	89.64	4.1	33.74	7.8	25.9	0.26
F21	04 May 2016	66	10.30	89.62	4.0	33.75	7.8	25.9	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F21	04 May 2016	67	10.29	89.50	4.1	33.75	7.8	25.9	0.24
F21	04 May 2016	68	10.28	89.40	4.0	33.75	7.8	25.9	0.24
F21	04 May 2016	69	10.27	89.38	4.0	33.75	7.8	25.9	0.24
F21	04 May 2016	70	10.26	89.25	4.0	33.76	7.8	25.9	0.24
F21	04 May 2016	71	10.21	88.35	4.0	33.76	7.8	25.9	0.24
F21	04 May 2016	72	10.20	87.76	4.0	33.76	7.8	25.9	0.23
F21	04 May 2016	73	10.16	86.73	4.0	33.76	7.8	26.0	0.24
F21	04 May 2016	74	10.14	85.14	3.9	33.77	7.8	26.0	0.23
F21	04 May 2016	75	10.13	84.20	3.9	33.77	7.8	26.0	0.23
F21	04 May 2016	76	10.13	83.40	3.9	33.78	7.8	26.0	0.23
F21	04 May 2016	77	10.13	82.73	3.9	33.78	7.8	26.0	0.23
F21	04 May 2016	78	10.13	82.40	3.9	33.78	7.8	26.0	0.23
F21	04 May 2016	79	10.13	82.15	3.9	33.78	7.8	26.0	0.23
F21	04 May 2016	80	10.12	81.89	3.9	33.78	7.8	26.0	0.23
F21	04 May 2016	81	10.12	81.78	3.9	33.78	7.8	26.0	0.24
F21	04 May 2016	82	10.12	81.63	3.9	33.78	7.8	26.0	0.24
F22	04 May 2016	1	18.23	86.69	7.6	33.58	8.2	24.1	0.51
F22	04 May 2016	2	18.23	85.84	7.6	33.58	8.2	24.1	0.53
F22	04 May 2016	3	18.23	88.10	7.6	33.58	8.2	24.1	0.54
F22	04 May 2016	4	18.23	88.10	7.5	33.58	8.2	24.1	0.54
F22	04 May 2016	5	18.23	88.13	7.6	33.58	8.2	24.1	0.56
F22	04 May 2016	6	18.22	88.17	7.5	33.58	8.2	24.1	0.57
F22	04 May 2016	7	18.18	88.08	7.5	33.58	8.2	24.1	0.59
F22	04 May 2016	8	17.99	87.75	7.7	33.57	8.2	24.2	0.63
F22	04 May 2016	9	17.83	87.62	7.7	33.56	8.2	24.2	0.70
F22	04 May 2016	10	17.66	87.55	7.7	33.56	8.2	24.2	0.75
F22	04 May 2016	11	17.44	87.40	7.7	33.55	8.2	24.3	0.79
F22	04 May 2016	12	16.91	87.22	8.0	33.54	8.2	24.4	0.82
F22	04 May 2016	13	16.53	87.15	8.2	33.52	8.2	24.5	0.84
F22	04 May 2016	14	15.81	87.30	8.3	33.51	8.2	24.6	0.85
F22	04 May 2016	15	15.07	87.32	8.3	33.49	8.2	24.8	0.83
F22	04 May 2016	16	14.60	87.63	8.2	33.48	8.2	24.9	0.80
F22	04 May 2016	17	14.34	87.36	8.2	33.47	8.2	24.9	0.82
F22	04 May 2016	18	14.18	86.88	8.1	33.47	8.2	25.0	0.91
F22	04 May 2016	19	14.10	86.53	8.1	33.47	8.1	25.0	1.04
F22	04 May 2016	20	14.04	86.13	8.0	33.47	8.1	25.0	1.19
F22	04 May 2016	21	13.97	84.85	8.0	33.47	8.1	25.0	1.49
F22	04 May 2016	22	13.87	83.20	7.8	33.47	8.1	25.0	2.21
F22	04 May 2016	23	13.63	80.79	7.5	33.47	8.1	25.1	3.54
F22	04 May 2016	24	13.52	81.33	7.2	33.47	8.1	25.1	4.20
F22	04 May 2016	25	13.40	82.57	6.9	33.47	8.1	25.1	4.30
F22	04 May 2016	26	13.34	83.97	6.6	33.47	8.1	25.1	3.73
F22	04 May 2016	27	13.17	85.84	6.4	33.46	8.0	25.2	3.07
F22	04 May 2016	28	12.94	87.31	6.3	33.44	8.0	25.2	2.54
F22	04 May 2016	29	12.77	87.91	6.1	33.43	8.0	25.2	2.13
F22	04 May 2016	30	12.71	87.94	6.1	33.43	8.0	25.2	1.89
F22	04 May 2016	31	12.68	87.92	6.0	33.43	8.0	25.2	1.78
F22	04 May 2016	32	12.68	87.79	5.9	33.44	8.0	25.2	1.83
F22	04 May 2016	33	12.54	88.00	5.8	33.46	8.0	25.3	1.91
F22	04 May 2016	34	12.33	88.41	5.6	33.46	8.0	25.3	1.79
F22	04 May 2016	35	12.31	88.65	5.5	33.46	8.0	25.3	1.50
F22	04 May 2016	36	12.27	88.97	5.5	33.47	8.0	25.3	1.45
F22	04 May 2016	37	12.18	89.12	5.4	33.47	7.9	25.4	1.29
F22	04 May 2016	38	12.01	89.25	5.3	33.47	7.9	25.4	1.18

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F22	04 May 2016	39	11.89	89.38	5.3	33.48	7.9	25.4	1.09
F22	04 May 2016	40	11.85	89.53	5.2	33.49	7.9	25.4	1.04
F22	04 May 2016	41	11.84	89.60	5.1	33.50	7.9	25.5	0.99
F22	04 May 2016	42	11.64	89.73	5.0	33.51	7.9	25.5	0.92
F22	04 May 2016	43	11.56	89.86	4.9	33.53	7.9	25.5	0.87
F22	04 May 2016	44	11.52	89.89	4.9	33.53	7.9	25.5	0.77
F22	04 May 2016	45	11.14	89.99	4.9	33.52	7.9	25.6	0.69
F22	04 May 2016	46	10.99	90.03	5.1	33.51	7.9	25.6	0.67
F22	04 May 2016	47	10.91	90.08	5.1	33.50	7.9	25.6	0.61
F22	04 May 2016	48	10.81	90.14	5.0	33.52	7.9	25.7	0.56
F22	04 May 2016	49	10.75	90.14	5.0	33.53	7.9	25.7	0.51
F22	04 May 2016	50	10.73	90.14	5.0	33.54	7.9	25.7	0.48
F22	04 May 2016	51	10.70	90.17	4.9	33.56	7.9	25.7	0.47
F22	04 May 2016	52	10.68	90.20	4.8	33.57	7.9	25.7	0.43
F22	04 May 2016	53	10.68	90.19	4.8	33.58	7.9	25.7	0.41
F22	04 May 2016	54	10.68	90.20	4.8	33.59	7.9	25.7	0.41
F22	04 May 2016	55	10.67	90.21	4.7	33.59	7.9	25.7	0.38
F22	04 May 2016	56	10.65	90.19	4.7	33.60	7.8	25.8	0.39
F22	04 May 2016	57	10.63	90.19	4.6	33.62	7.8	25.8	0.37
F22	04 May 2016	58	10.62	90.18	4.6	33.63	7.8	25.8	0.35
F22	04 May 2016	59	10.58	90.18	4.5	33.64	7.8	25.8	0.34
F22	04 May 2016	60	10.52	90.19	4.4	33.66	7.8	25.8	0.34
F22	04 May 2016	61	10.48	90.21	4.5	33.65	7.8	25.8	0.32
F22	04 May 2016	62	10.41	90.18	4.4	33.66	7.8	25.8	0.31
F22	04 May 2016	63	10.37	90.00	4.4	33.67	7.8	25.9	0.30
F22	04 May 2016	64	10.38	89.96	4.3	33.68	7.8	25.9	0.31
F22	04 May 2016	65	10.38	89.89	4.3	33.68	7.8	25.9	0.30
F22	04 May 2016	66	10.39	89.89	4.3	33.69	7.8	25.9	0.30
F22	04 May 2016	67	10.38	89.90	4.2	33.69	7.8	25.9	0.29
F22	04 May 2016	68	10.36	89.78	4.2	33.70	7.8	25.9	0.30
F22	04 May 2016	69	10.33	89.72	4.2	33.72	7.8	25.9	0.29
F22	04 May 2016	70	10.31	89.74	4.1	33.74	7.8	25.9	0.28
F22	04 May 2016	71	10.27	89.57	4.1	33.75	7.8	25.9	0.26
F22	04 May 2016	72	10.22	89.30	4.0	33.75	7.8	25.9	0.25
F22	04 May 2016	73	10.15	89.19	4.0	33.78	7.8	26.0	0.26
F22	04 May 2016	74	10.07	88.90	3.9	33.80	7.8	26.0	0.24
F22	04 May 2016	75	10.06	88.42	3.9	33.80	7.8	26.0	0.24
F22	04 May 2016	76	10.06	88.20	3.8	33.80	7.8	26.0	0.23
F22	04 May 2016	77	10.06	87.90	3.8	33.80	7.8	26.0	0.24
F22	04 May 2016	78	10.06	87.76	3.8	33.81	7.8	26.0	0.24
F22	04 May 2016	79	10.06	87.47	3.8	33.81	7.8	26.0	0.24
F22	04 May 2016	80	10.05	87.19	3.8	33.81	7.8	26.0	0.24
F22	04 May 2016	81	10.05	87.08	3.8	33.81	7.8	26.0	0.24
F22	04 May 2016	82	10.05	86.83	3.8	33.81	7.8	26.0	0.24
F23	04 May 2016	1	18.22	88.36	7.5	33.58	8.2	24.1	0.51
F23	04 May 2016	2	18.22	88.37	7.5	33.58	8.2	24.1	0.51
F23	04 May 2016	3	18.21	88.29	7.6	33.58	8.2	24.1	0.53
F23	04 May 2016	4	18.20	88.25	7.6	33.58	8.2	24.1	0.55
F23	04 May 2016	5	18.19	88.20	7.5	33.58	8.2	24.1	0.57
F23	04 May 2016	6	18.17	88.12	7.6	33.58	8.2	24.1	0.60
F23	04 May 2016	7	18.12	88.06	7.6	33.57	8.2	24.1	0.60
F23	04 May 2016	8	18.06	87.93	7.6	33.57	8.2	24.2	0.62
F23	04 May 2016	9	17.90	87.66	7.7	33.57	8.2	24.2	0.65
F23	04 May 2016	10	17.71	87.73	7.7	33.56	8.2	24.2	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F23	04 May 2016	11	17.57	87.56	7.6	33.55	8.2	24.3	0.73
F23	04 May 2016	12	17.18	87.41	7.9	33.54	8.2	24.4	0.77
F23	04 May 2016	13	16.70	87.22	8.2	33.53	8.2	24.5	0.81
F23	04 May 2016	14	16.55	87.21	8.2	33.52	8.2	24.5	0.85
F23	04 May 2016	15	16.31	87.35	8.1	33.51	8.2	24.5	0.85
F23	04 May 2016	16	15.36	87.70	8.2	33.49	8.2	24.7	0.80
F23	04 May 2016	17	14.87	87.78	8.3	33.49	8.2	24.8	0.76
F23	04 May 2016	18	14.58	87.62	8.2	33.48	8.2	24.9	0.78
F23	04 May 2016	19	14.30	87.37	8.1	33.47	8.2	24.9	0.85
F23	04 May 2016	20	14.24	87.26	8.0	33.48	8.1	25.0	0.93
F23	04 May 2016	21	14.23	87.11	8.0	33.49	8.1	25.0	1.02
F23	04 May 2016	22	14.00	85.30	7.9	33.49	8.1	25.0	1.62
F23	04 May 2016	23	13.82	82.82	7.6	33.48	8.1	25.1	2.77
F23	04 May 2016	24	13.73	80.48	7.5	33.49	8.1	25.1	4.05
F23	04 May 2016	25	13.69	80.51	7.3	33.49	8.1	25.1	4.57
F23	04 May 2016	26	13.59	81.77	7.0	33.48	8.1	25.1	4.48
F23	04 May 2016	27	13.41	83.24	6.7	33.48	8.1	25.1	3.94
F23	04 May 2016	28	13.24	85.54	6.6	33.46	8.0	25.2	3.10
F23	04 May 2016	29	13.19	86.57	6.5	33.45	8.0	25.2	2.66
F23	04 May 2016	30	13.06	86.97	6.4	33.45	8.0	25.2	2.28
F23	04 May 2016	31	12.97	87.43	6.3	33.44	8.0	25.2	1.97
F23	04 May 2016	32	12.91	87.87	6.2	33.44	8.0	25.2	1.85
F23	04 May 2016	33	12.73	88.11	6.1	33.43	8.0	25.2	1.76
F23	04 May 2016	34	12.66	88.15	6.0	33.44	8.0	25.3	1.75
F23	04 May 2016	35	12.60	87.99	5.8	33.45	8.0	25.3	1.84
F23	04 May 2016	36	12.34	88.25	5.6	33.47	8.0	25.3	1.65
F23	04 May 2016	37	12.29	88.77	5.5	33.47	8.0	25.3	1.51
F23	04 May 2016	38	12.27	88.86	5.5	33.47	8.0	25.3	1.36
F23	04 May 2016	39	12.22	88.99	5.5	33.46	7.9	25.4	1.32
F23	04 May 2016	40	12.17	89.31	5.4	33.46	7.9	25.4	1.17
F23	04 May 2016	41	11.90	89.47	5.3	33.47	7.9	25.4	1.09
F23	04 May 2016	42	11.80	89.59	5.2	33.48	7.9	25.4	1.01
F23	04 May 2016	43	11.66	89.64	5.1	33.50	7.9	25.5	0.95
F23	04 May 2016	44	11.60	89.69	5.1	33.51	7.9	25.5	0.90
F23	04 May 2016	45	11.54	89.75	5.0	33.51	7.9	25.5	0.84
F23	04 May 2016	46	11.46	89.79	4.9	33.52	7.9	25.5	0.80
F23	04 May 2016	47	11.35	89.86	4.9	33.53	7.9	25.6	0.74
F23	04 May 2016	48	11.01	89.97	5.0	33.53	7.9	25.6	0.66
F23	04 May 2016	49	10.88	90.08	5.1	33.52	7.9	25.6	0.56
F23	04 May 2016	50	10.82	90.15	5.0	33.52	7.9	25.7	0.52
F23	04 May 2016	51	10.70	90.17	5.0	33.54	7.9	25.7	0.49
F23	04 May 2016	52	10.64	90.20	4.9	33.55	7.9	25.7	0.45
F23	04 May 2016	53	10.61	90.21	4.9	33.56	7.9	25.7	0.40
F23	04 May 2016	54	10.60	90.23	4.8	33.59	7.9	25.7	0.38
F23	04 May 2016	55	10.60	90.23	4.7	33.60	7.8	25.8	0.35
F23	04 May 2016	56	10.58	90.23	4.6	33.61	7.8	25.8	0.33
F23	04 May 2016	57	10.58	90.21	4.6	33.63	7.8	25.8	0.33
F23	04 May 2016	58	10.56	90.20	4.5	33.65	7.8	25.8	0.32
F23	04 May 2016	59	10.55	90.18	4.4	33.66	7.8	25.8	0.31
F23	04 May 2016	60	10.52	90.16	4.4	33.66	7.8	25.8	0.31
F23	04 May 2016	61	10.50	90.15	4.4	33.66	7.8	25.8	0.31
F23	04 May 2016	62	10.48	90.18	4.5	33.66	7.8	25.8	0.31
F23	04 May 2016	63	10.44	90.19	4.5	33.65	7.8	25.8	0.32
F23	04 May 2016	64	10.35	90.20	4.4	33.66	7.8	25.8	0.30
F23	04 May 2016	65	10.34	90.11	4.3	33.68	7.8	25.9	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F23	04 May 2016	66	10.32	89.99	4.2	33.70	7.8	25.9	0.30
F23	04 May 2016	67	10.25	89.68	4.0	33.74	7.8	25.9	0.29
F23	04 May 2016	68	10.21	89.16	4.0	33.75	7.8	25.9	0.28
F23	04 May 2016	69	10.15	89.00	4.0	33.77	7.8	26.0	0.26
F23	04 May 2016	70	10.11	87.57	3.9	33.79	7.8	26.0	0.26
F23	04 May 2016	71	10.10	85.85	3.8	33.79	7.8	26.0	0.25
F23	04 May 2016	72	10.10	84.96	3.8	33.79	7.8	26.0	0.25
F23	04 May 2016	73	10.10	84.66	3.8	33.79	7.8	26.0	0.26
F23	04 May 2016	74	10.10	84.63	3.8	33.79	7.8	26.0	0.25
F23	04 May 2016	75	10.10	84.66	3.8	33.79	7.8	26.0	0.25
F23	04 May 2016	76	10.10	84.72	3.8	33.79	7.8	26.0	0.26
F23	04 May 2016	77	10.09	84.94	3.8	33.80	7.8	26.0	0.25
F23	04 May 2016	78	10.08	85.65	3.8	33.80	7.8	26.0	0.25
F23	04 May 2016	79	10.07	85.76	3.8	33.81	7.8	26.0	0.25
F23	04 May 2016	80	10.06	85.64	3.8	33.81	7.8	26.0	0.25
F23	04 May 2016	81	10.06	85.59	3.8	33.81	7.8	26.0	0.25
F23	04 May 2016	82	10.06	85.44	3.8	33.81	7.8	26.0	0.25
F23	04 May 2016	83	10.06	85.31	3.8	33.81	7.8	26.0	0.26
F24	04 May 2016	1	18.25	88.25	7.5	33.58	8.2	24.1	0.58
F24	04 May 2016	2	18.25	88.24	7.6	33.58	8.2	24.1	0.59
F24	04 May 2016	3	18.24	88.22	7.5	33.58	8.2	24.1	0.60
F24	04 May 2016	4	18.23	88.26	7.5	33.58	8.2	24.1	0.61
F24	04 May 2016	5	18.21	88.23	7.6	33.58	8.2	24.1	0.60
F24	04 May 2016	6	18.16	88.26	7.6	33.58	8.2	24.1	0.61
F24	04 May 2016	7	18.08	88.08	7.6	33.57	8.2	24.2	0.63
F24	04 May 2016	8	17.95	87.93	7.7	33.57	8.2	24.2	0.66
F24	04 May 2016	9	17.86	87.88	7.8	33.56	8.2	24.2	0.68
F24	04 May 2016	10	17.69	87.74	7.8	33.56	8.2	24.2	0.72
F24	04 May 2016	11	17.51	87.59	7.8	33.55	8.2	24.3	0.77
F24	04 May 2016	12	17.19	87.42	8.0	33.54	8.2	24.4	0.82
F24	04 May 2016	13	16.83	87.38	8.0	33.53	8.2	24.4	0.83
F24	04 May 2016	14	16.37	87.46	8.1	33.51	8.2	24.5	0.82
F24	04 May 2016	15	15.72	87.83	8.2	33.50	8.2	24.7	0.80
F24	04 May 2016	16	15.12	87.69	8.3	33.49	8.2	24.8	0.81
F24	04 May 2016	17	14.72	87.61	8.3	33.48	8.2	24.9	0.83
F24	04 May 2016	18	14.49	87.63	8.3	33.47	8.2	24.9	0.84
F24	04 May 2016	19	14.34	87.57	8.2	33.47	8.2	24.9	0.85
F24	04 May 2016	20	14.21	87.25	8.0	33.47	8.2	25.0	0.96
F24	04 May 2016	21	14.04	85.63	7.8	33.48	8.1	25.0	1.33
F24	04 May 2016	22	13.94	84.08	7.8	33.49	8.1	25.0	2.00
F24	04 May 2016	23	13.82	83.20	7.6	33.49	8.1	25.1	2.79
F24	04 May 2016	24	13.70	84.09	7.3	33.49	8.1	25.1	3.04
F24	04 May 2016	25	13.56	85.11	7.0	33.48	8.1	25.1	2.91
F24	04 May 2016	26	13.29	86.48	6.7	33.47	8.1	25.1	2.50
F24	04 May 2016	27	13.18	87.12	6.5	33.46	8.0	25.2	2.17
F24	04 May 2016	28	12.96	87.34	6.3	33.45	8.0	25.2	2.08
F24	04 May 2016	29	12.89	87.55	6.2	33.44	8.0	25.2	1.96
F24	04 May 2016	30	12.81	87.86	6.2	33.44	8.0	25.2	1.88
F24	04 May 2016	31	12.74	88.02	6.1	33.44	8.0	25.2	1.83
F24	04 May 2016	32	12.69	87.82	6.0	33.45	8.0	25.3	1.88
F24	04 May 2016	33	12.68	87.64	6.0	33.45	8.0	25.3	1.89
F24	04 May 2016	34	12.67	87.59	6.0	33.45	8.0	25.3	1.96
F24	04 May 2016	35	12.57	87.59	5.9	33.45	8.0	25.3	1.92
F24	04 May 2016	36	12.48	87.71	5.8	33.46	8.0	25.3	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F24	04 May 2016	37	12.40	88.38	5.7	33.47	8.0	25.3	1.77
F24	04 May 2016	38	12.26	88.75	5.5	33.48	8.0	25.4	1.51
F24	04 May 2016	39	12.26	88.77	5.5	33.48	7.9	25.4	1.44
F24	04 May 2016	40	12.26	88.83	5.5	33.48	7.9	25.4	1.42
F24	04 May 2016	41	12.25	88.83	5.5	33.48	7.9	25.4	1.41
F24	04 May 2016	42	12.24	88.88	5.5	33.48	7.9	25.4	1.36
F24	04 May 2016	43	12.20	89.12	5.3	33.48	7.9	25.4	1.26
F24	04 May 2016	44	12.02	89.31	5.1	33.51	7.9	25.4	1.15
F24	04 May 2016	45	11.93	89.51	5.0	33.52	7.9	25.5	1.03
F24	04 May 2016	46	11.74	89.69	5.0	33.51	7.9	25.5	0.92
F24	04 May 2016	47	11.54	89.81	4.9	33.54	7.9	25.5	0.80
F24	04 May 2016	48	11.38	89.90	4.8	33.54	7.9	25.6	0.72
F24	04 May 2016	49	11.22	89.93	4.8	33.53	7.9	25.6	0.67
F24	04 May 2016	50	11.05	89.96	4.9	33.53	7.9	25.6	0.63
F24	04 May 2016	51	10.92	90.04	5.0	33.52	7.9	25.6	0.58
F24	04 May 2016	52	10.82	90.07	5.0	33.52	7.9	25.7	0.53
F24	04 May 2016	53	10.75	90.12	5.0	33.55	7.9	25.7	0.47
F24	04 May 2016	54	10.75	90.18	4.9	33.55	7.9	25.7	0.44
F24	04 May 2016	55	10.58	90.20	4.9	33.56	7.9	25.7	0.41
F24	04 May 2016	56	10.53	90.24	4.8	33.58	7.9	25.8	0.38
F24	04 May 2016	57	10.56	90.23	4.7	33.61	7.8	25.8	0.35
F24	04 May 2016	58	10.57	90.18	4.5	33.64	7.8	25.8	0.32
F24	04 May 2016	59	10.53	90.22	4.4	33.68	7.8	25.8	0.30
F24	04 May 2016	60	10.55	90.22	4.3	33.69	7.8	25.8	0.29
F24	04 May 2016	61	10.57	90.23	4.2	33.72	7.8	25.9	0.27
F24	04 May 2016	62	10.54	90.15	4.1	33.74	7.8	25.9	0.28
F24	04 May 2016	63	10.51	90.10	4.1	33.74	7.8	25.9	0.26
F24	04 May 2016	64	10.50	90.08	4.0	33.74	7.8	25.9	0.26
F24	04 May 2016	65	10.49	90.00	4.0	33.74	7.8	25.9	0.27
F24	04 May 2016	66	10.47	90.01	4.1	33.74	7.8	25.9	0.26
F24	04 May 2016	67	10.42	89.98	4.1	33.74	7.8	25.9	0.26
F24	04 May 2016	68	10.38	89.95	4.1	33.74	7.8	25.9	0.27
F24	04 May 2016	69	10.29	89.85	4.1	33.74	7.8	25.9	0.27
F24	04 May 2016	70	10.20	89.32	4.0	33.76	7.8	25.9	0.27
F24	04 May 2016	71	10.18	89.28	4.0	33.77	7.8	26.0	0.26
F24	04 May 2016	72	10.13	88.78	4.0	33.78	7.8	26.0	0.26
F24	04 May 2016	73	10.11	88.48	3.9	33.78	7.8	26.0	0.25
F24	04 May 2016	74	10.09	87.85	3.9	33.79	7.8	26.0	0.25
F24	04 May 2016	75	10.08	86.36	3.8	33.80	7.8	26.0	0.25
F24	04 May 2016	76	10.08	85.71	3.8	33.80	7.8	26.0	0.25
F24	04 May 2016	77	10.08	85.64	3.8	33.80	7.8	26.0	0.25
F24	04 May 2016	78	10.08	85.54	3.8	33.80	7.8	26.0	0.26
F24	04 May 2016	79	10.08	85.47	3.8	33.80	7.8	26.0	0.25
F24	04 May 2016	80	10.09	85.50	3.8	33.80	7.8	26.0	0.26
F25	04 May 2016	1	18.22	88.35	7.6	33.58	8.2	24.1	0.59
F25	04 May 2016	2	18.22	87.99	7.6	33.58	8.2	24.1	0.60
F25	04 May 2016	3	18.22	87.59	7.5	33.58	8.2	24.1	0.60
F25	04 May 2016	4	18.22	87.25	7.6	33.58	8.2	24.1	0.62
F25	04 May 2016	5	18.22	88.37	7.5	33.58	8.2	24.1	0.61
F25	04 May 2016	6	18.22	88.38	7.5	33.58	8.2	24.1	0.61
F25	04 May 2016	7	18.20	88.40	7.5	33.58	8.2	24.1	0.62
F25	04 May 2016	8	18.15	88.24	7.6	33.58	8.2	24.1	0.63
F25	04 May 2016	9	18.07	88.12	7.6	33.57	8.2	24.2	0.65
F25	04 May 2016	10	17.92	87.94	7.7	33.57	8.2	24.2	0.67



Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F25	04 May 2016	11	17.72	87.91	7.8	33.56	8.2	24.2	0.73
F25	04 May 2016	12	17.51	87.64	7.8	33.55	8.2	24.3	0.79
F25	04 May 2016	13	17.13	87.33	8.0	33.54	8.2	24.4	0.83
F25	04 May 2016	14	16.70	87.46	8.1	33.53	8.2	24.5	0.85
F25	04 May 2016	15	16.29	87.45	8.1	33.52	8.2	24.5	0.84
F25	04 May 2016	16	15.54	87.76	8.2	33.49	8.2	24.7	0.81
F25	04 May 2016	17	15.18	87.78	8.3	33.49	8.2	24.8	0.81
F25	04 May 2016	18	14.92	87.71	8.3	33.48	8.2	24.8	0.85
F25	04 May 2016	19	14.69	87.58	8.3	33.48	8.2	24.9	0.87
F25	04 May 2016	20	14.60	87.55	8.3	33.47	8.2	24.9	0.88
F25	04 May 2016	21	14.44	87.69	8.2	33.47	8.2	24.9	0.86
F25	04 May 2016	22	14.31	87.61	8.1	33.47	8.2	24.9	0.91
F25	04 May 2016	23	14.07	86.88	7.9	33.49	8.1	25.0	1.28
F25	04 May 2016	24	13.96	84.78	7.8	33.49	8.1	25.0	2.03
F25	04 May 2016	25	13.80	84.17	7.5	33.49	8.1	25.1	2.51
F25	04 May 2016	26	13.63	84.81	7.2	33.48	8.1	25.1	2.62
F25	04 May 2016	27	13.43	85.62	6.9	33.47	8.1	25.1	2.48
F25	04 May 2016	28	13.38	86.34	6.8	33.47	8.1	25.1	2.35
F25	04 May 2016	29	13.26	86.81	6.6	33.47	8.0	25.2	2.20
F25	04 May 2016	30	13.15	86.89	6.5	33.46	8.0	25.2	2.24
F25	04 May 2016	31	13.14	86.87	6.5	33.46	8.0	25.2	2.23
F25	04 May 2016	32	12.96	87.25	6.3	33.46	8.0	25.2	2.18
F25	04 May 2016	33	12.91	87.15	6.2	33.46	8.0	25.2	2.26
F25	04 May 2016	34	12.78	87.43	6.0	33.45	8.0	25.2	2.12
F25	04 May 2016	35	12.74	87.50	6.0	33.45	8.0	25.2	2.19
F25	04 May 2016	36	12.63	87.34	5.9	33.45	8.0	25.3	2.08
F25	04 May 2016	37	12.53	87.28	5.9	33.45	8.0	25.3	2.03
F25	04 May 2016	38	12.39	87.54	5.7	33.46	8.0	25.3	1.88
F25	04 May 2016	39	12.26	88.46	5.5	33.48	8.0	25.4	1.60
F25	04 May 2016	40	12.25	88.67	5.4	33.48	7.9	25.4	1.55
F25	04 May 2016	41	12.25	88.71	5.5	33.48	7.9	25.4	1.47
F25	04 May 2016	42	12.24	88.79	5.4	33.48	7.9	25.4	1.40
F25	04 May 2016	43	12.25	88.93	5.4	33.48	7.9	25.4	1.36
F25	04 May 2016	44	12.04	89.21	5.2	33.51	7.9	25.4	1.22
F25	04 May 2016	45	11.87	89.52	5.0	33.52	7.9	25.5	1.04
F25	04 May 2016	46	11.62	89.67	4.9	33.52	7.9	25.5	0.91
F25	04 May 2016	47	11.45	89.84	4.8	33.54	7.9	25.6	0.78
F25	04 May 2016	48	11.24	89.89	4.8	33.53	7.9	25.6	0.71
F25	04 May 2016	49	11.09	89.94	4.9	33.53	7.9	25.6	0.65
F25	04 May 2016	50	10.95	90.01	5.0	33.52	7.9	25.6	0.60
F25	04 May 2016	51	10.87	90.10	5.0	33.52	7.9	25.6	0.57
F25	04 May 2016	52	10.79	90.14	5.0	33.53	7.9	25.7	0.50
F25	04 May 2016	53	10.73	90.13	4.9	33.55	7.9	25.7	0.48
F25	04 May 2016	54	10.64	90.19	4.9	33.56	7.9	25.7	0.46
F25	04 May 2016	55	10.56	90.21	4.9	33.57	7.9	25.7	0.43
F25	04 May 2016	56	10.54	90.21	4.8	33.59	7.9	25.8	0.41
F25	04 May 2016	57	10.57	90.19	4.7	33.60	7.8	25.8	0.37
F25	04 May 2016	58	10.56	90.20	4.6	33.62	7.8	25.8	0.35
F25	04 May 2016	59	10.54	90.22	4.4	33.66	7.8	25.8	0.33
F25	04 May 2016	60	10.56	90.21	4.3	33.70	7.8	25.8	0.31
F25	04 May 2016	61	10.58	90.18	4.2	33.72	7.8	25.9	0.30
F25	04 May 2016	62	10.53	90.10	4.1	33.73	7.8	25.9	0.30
F25	04 May 2016	63	10.50	89.99	4.0	33.75	7.8	25.9	0.29
F25	04 May 2016	64	10.49	90.02	4.0	33.75	7.8	25.9	0.29
F25	04 May 2016	65	10.44	89.99	4.0	33.74	7.8	25.9	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F25	04 May 2016	66	10.43	89.99	4.1	33.74	7.8	25.9	0.29
F25	04 May 2016	67	10.43	90.01	4.1	33.74	7.8	25.9	0.28
F25	04 May 2016	68	10.39	90.02	4.1	33.74	7.8	25.9	0.29
F25	04 May 2016	69	10.39	90.00	4.1	33.74	7.8	25.9	0.29
F25	04 May 2016	70	10.26	89.74	4.1	33.74	7.8	25.9	0.29
F25	04 May 2016	71	10.23	89.45	4.0	33.75	7.8	25.9	0.29
F25	04 May 2016	72	10.19	89.04	4.0	33.76	7.8	26.0	0.29
F25	04 May 2016	73	10.15	88.78	4.0	33.77	7.8	26.0	0.27
F25	04 May 2016	74	10.15	88.67	4.0	33.77	7.8	26.0	0.27
F25	04 May 2016	75	10.09	87.27	3.9	33.79	7.8	26.0	0.27
F25	04 May 2016	76	10.08	86.18	3.8	33.80	7.8	26.0	0.27
F25	04 May 2016	77	10.09	86.04	3.8	33.80	7.8	26.0	0.27
F25	04 May 2016	78	10.09	86.01	3.8	33.80	7.8	26.0	0.27
F25	04 May 2016	79	10.09	85.98	3.8	33.80	7.8	26.0	0.27
F25	04 May 2016	80	10.09	86.02	3.8	33.80	7.8	26.0	0.27
F25	04 May 2016	81	10.09	85.99	3.8	33.80	7.8	26.0	0.26
F26	02 May 2016	1	18.03	87.51	7.7	33.57	8.2	24.2	0.28
F26	02 May 2016	2	18.02	87.25	7.7	33.57	8.2	24.2	0.29
F26	02 May 2016	3	17.99	87.45	7.7	33.57	8.2	24.2	0.29
F26	02 May 2016	4	17.93	87.32	7.7	33.57	8.2	24.2	0.29
F26	02 May 2016	5	17.88	86.40	7.7	33.57	8.2	24.2	0.29
F26	02 May 2016	6	17.80	85.74	7.6	33.57	8.2	24.2	0.29
F26	02 May 2016	7	17.75	86.60	7.6	33.57	8.2	24.2	0.30
F26	02 May 2016	8	17.71	87.70	7.7	33.57	8.2	24.2	0.31
F26	02 May 2016	9	17.70	87.82	7.7	33.56	8.2	24.2	0.32
F26	02 May 2016	10	17.69	87.85	7.7	33.56	8.2	24.2	0.33
F26	02 May 2016	11	17.67	87.71	7.7	33.57	8.2	24.3	0.34
F26	02 May 2016	12	17.53	87.55	7.7	33.58	8.2	24.3	0.35
F26	02 May 2016	13	17.36	87.32	7.8	33.57	8.2	24.3	0.35
F26	02 May 2016	14	17.18	87.34	7.7	33.55	8.2	24.4	0.37
F26	02 May 2016	15	17.00	87.37	7.9	33.56	8.2	24.4	0.37
F26	02 May 2016	16	16.56	87.34	8.0	33.58	8.2	24.5	0.39
F26	02 May 2016	17	16.31	87.21	7.9	33.55	8.2	24.6	0.42
F26	02 May 2016	18	15.63	87.18	8.2	33.56	8.2	24.7	0.44
F26	02 May 2016	19	15.14	87.16	8.3	33.54	8.2	24.8	0.46
F26	02 May 2016	20	14.70	86.94	8.3	33.53	8.2	24.9	0.48
F26	02 May 2016	21	14.53	86.79	8.5	33.52	8.2	24.9	0.49
F26	02 May 2016	22	14.48	86.22	8.4	33.48	8.2	24.9	0.51
F26	02 May 2016	23	14.22	85.13	8.3	33.54	8.2	25.0	0.53
F26	02 May 2016	24	13.92	81.94	8.3	33.47	8.2	25.0	0.58
F26	02 May 2016	25	13.80	80.75	8.2	33.46	8.2	25.0	0.63
F26	02 May 2016	26	13.56	81.92	8.1	33.47	8.2	25.1	0.67
F26	02 May 2016	27	13.29	84.28	8.0	33.46	8.1	25.1	0.76
F26	02 May 2016	28	13.21	84.77	7.3	33.43	8.1	25.1	1.52
F26	02 May 2016	29	12.91	85.99	6.9	33.46	8.1	25.2	2.40
F26	02 May 2016	30	12.87	86.61	6.8	33.44	8.1	25.2	2.74
F26	02 May 2016	31	12.85	86.99	6.5	33.44	8.1	25.2	2.71
F26	02 May 2016	32	12.77	87.51	6.2	33.47	8.0	25.3	2.55
F26	02 May 2016	33	12.60	88.31	6.0	33.47	8.0	25.3	2.47
F26	02 May 2016	34	12.32	88.69	5.9	33.47	8.0	25.3	2.28
F26	02 May 2016	35	12.13	88.99	5.9	33.44	8.0	25.4	2.17
F26	02 May 2016	36	12.10	89.08	5.8	33.44	8.0	25.4	1.97
F26	02 May 2016	37	12.01	89.25	5.7	33.46	8.0	25.4	1.79
F26	02 May 2016	38	11.67	89.55	5.7	33.47	8.0	25.5	1.63

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	02 May 2016	39	11.50	89.75	5.6	33.43	8.0	25.5	1.42
F26	02 May 2016	40	11.47	89.80	5.6	33.43	8.0	25.5	1.29
F26	02 May 2016	41	11.41	89.87	5.6	33.44	8.0	25.5	1.23
F26	02 May 2016	42	11.34	89.91	5.5	33.44	8.0	25.5	1.07
F26	02 May 2016	43	11.02	90.02	5.5	33.48	8.0	25.6	0.88
F26	02 May 2016	44	10.91	90.10	5.5	33.47	8.0	25.6	0.80
F26	02 May 2016	45	10.87	90.13	5.4	33.47	8.0	25.6	0.74
F26	02 May 2016	46	10.87	90.13	5.3	33.49	7.9	25.6	0.70
F26	02 May 2016	47	10.80	90.16	5.3	33.52	7.9	25.7	0.63
F26	02 May 2016	48	10.78	90.14	5.2	33.52	7.9	25.7	0.56
F26	02 May 2016	49	10.77	90.19	5.1	33.52	7.9	25.7	0.50
F26	02 May 2016	50	10.76	90.20	5.1	33.52	7.9	25.7	0.48
F26	02 May 2016	51	10.75	90.19	5.1	33.52	7.9	25.7	0.45
F26	02 May 2016	52	10.74	90.21	5.1	33.53	7.9	25.7	0.42
F26	02 May 2016	53	10.74	90.20	5.1	33.54	7.9	25.7	0.41
F26	02 May 2016	54	10.74	90.21	5.0	33.55	7.9	25.7	0.41
F26	02 May 2016	55	10.74	90.23	5.0	33.55	7.9	25.7	0.41
F26	02 May 2016	56	10.74	90.22	5.0	33.56	7.9	25.7	0.41
F26	02 May 2016	57	10.75	90.21	4.9	33.57	7.9	25.7	0.39
F26	02 May 2016	58	10.75	90.19	4.9	33.59	7.9	25.7	0.38
F26	02 May 2016	59	10.77	90.22	4.9	33.60	7.9	25.7	0.38
F26	02 May 2016	60	10.78	90.13	4.8	33.67	7.9	25.8	0.37
F26	02 May 2016	61	10.71	90.01	4.7	33.69	7.9	25.8	0.36
F26	02 May 2016	62	10.68	89.90	4.5	33.69	7.9	25.8	0.37
F26	02 May 2016	63	10.58	89.63	4.3	33.72	7.9	25.9	0.37
F26	02 May 2016	64	10.49	89.29	4.2	33.70	7.8	25.9	0.35
F26	02 May 2016	65	10.41	88.68	4.2	33.70	7.8	25.9	0.37
F26	02 May 2016	66	10.36	88.41	4.1	33.67	7.8	25.9	0.30
F26	02 May 2016	67	10.35	88.41	4.0	33.67	7.8	25.9	0.29
F26	02 May 2016	68	10.34	88.59	4.0	33.67	7.8	25.9	0.27
F26	02 May 2016	69	10.28	88.93	4.0	33.69	7.8	25.9	0.26
F26	02 May 2016	70	10.26	89.20	4.1	33.68	7.8	25.9	0.25
F26	02 May 2016	71	10.26	89.29	4.2	33.68	7.8	25.9	0.25
F26	02 May 2016	72	10.26	89.34	4.2	33.69	7.8	25.9	0.25
F26	02 May 2016	73	10.26	84.49	4.3	33.69	7.8	25.9	0.25
F26	02 May 2016	74	10.27	89.18	4.3	33.69	7.8	25.9	0.24
F26	02 May 2016	75	10.27	89.41	4.2	33.69	7.8	25.9	0.24
F26	02 May 2016	76	10.27	89.29	4.2	33.68	7.8	25.9	0.24
F26	02 May 2016	77	10.26	89.30	4.2	33.69	7.8	25.9	0.24
F26	02 May 2016	78	10.25	89.27	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	79	10.25	89.28	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	80	10.25	89.33	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	81	10.25	89.32	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	82	10.23	89.33	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	83	10.23	89.30	4.1	33.70	7.8	25.9	0.24
F26	02 May 2016	84	10.23	89.29	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	85	10.23	89.19	4.1	33.70	7.8	25.9	0.24
F26	02 May 2016	86	10.22	89.19	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	87	10.22	89.21	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	88	10.22	89.15	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	89	10.22	89.17	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	90	10.22	89.20	4.2	33.70	7.8	25.9	0.24
F26	02 May 2016	91	10.20	89.34	4.2	33.71	7.8	25.9	0.24
F26	02 May 2016	92	10.17	89.33	4.2	33.72	7.8	25.9	0.24
F26	02 May 2016	93	10.15	89.22	4.2	33.73	7.8	25.9	0.24

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F26	02 May 2016	94	10.14	89.00	4.2	33.74	7.8	25.9	0.24
F26	02 May 2016	95	10.09	87.16	4.1	33.78	7.8	26.0	0.24
F26	02 May 2016	96	10.03	85.66	4.0	33.80	7.8	26.0	0.24
F26	02 May 2016	97	10.02	85.53	3.7	33.81	7.8	26.0	0.24
F26	02 May 2016	98	10.02	85.57	3.7	33.81	7.8	26.0	0.23
F27	02 May 2016	1	17.97	86.49	7.7	33.56	8.2	24.2	0.25
F27	02 May 2016	2	17.97	87.68	7.7	33.57	8.2	24.2	0.25
F27	02 May 2016	3	17.90	87.96	7.7	33.57	8.2	24.2	0.26
F27	02 May 2016	4	17.89	88.09	7.7	33.57	8.2	24.2	0.26
F27	02 May 2016	5	17.87	88.16	7.7	33.57	8.2	24.2	0.25
F27	02 May 2016	6	17.84	88.15	7.7	33.57	8.2	24.2	0.25
F27	02 May 2016	7	17.76	88.10	7.6	33.57	8.2	24.2	0.26
F27	02 May 2016	8	17.72	87.96	7.7	33.57	8.2	24.2	0.27
F27	02 May 2016	9	17.69	87.95	7.7	33.56	8.2	24.2	0.28
F27	02 May 2016	10	17.69	87.92	7.7	33.56	8.2	24.2	0.28
F27	02 May 2016	11	17.68	87.89	7.7	33.56	8.2	24.3	0.28
F27	02 May 2016	12	17.67	87.89	7.6	33.56	8.2	24.3	0.30
F27	02 May 2016	13	17.67	87.91	7.7	33.56	8.2	24.3	0.31
F27	02 May 2016	14	17.66	87.92	7.7	33.57	8.2	24.3	0.32
F27	02 May 2016	15	17.65	87.91	7.7	33.57	8.2	24.3	0.32
F27	02 May 2016	16	17.59	87.76	7.7	33.58	8.2	24.3	0.32
F27	02 May 2016	17	17.36	87.65	7.7	33.58	8.2	24.3	0.33
F27	02 May 2016	18	17.15	87.67	7.7	33.56	8.2	24.4	0.34
F27	02 May 2016	19	16.77	87.62	7.8	33.59	8.2	24.5	0.35
F27	02 May 2016	20	15.89	87.82	8.0	33.57	8.2	24.7	0.36
F27	02 May 2016	21	15.46	87.60	8.1	33.54	8.2	24.7	0.39
F27	02 May 2016	22	15.22	87.39	8.3	33.52	8.2	24.8	0.42
F27	02 May 2016	23	15.04	87.58	8.5	33.51	8.2	24.8	0.42
F27	02 May 2016	24	14.87	87.58	8.6	33.50	8.2	24.8	0.44
F27	02 May 2016	25	14.68	87.46	8.5	33.50	8.2	24.9	0.47
F27	02 May 2016	26	14.46	87.31	8.4	33.52	8.2	24.9	0.49
F27	02 May 2016	27	14.18	85.87	8.4	33.51	8.2	25.0	0.51
F27	02 May 2016	28	14.03	84.55	8.2	33.50	8.2	25.0	0.54
F27	02 May 2016	29	13.93	82.13	8.2	33.49	8.2	25.0	0.59
F27	02 May 2016	30	13.64	81.19	8.1	33.51	8.2	25.1	0.64
F27	02 May 2016	31	13.29	83.22	7.9	33.46	8.1	25.1	0.84
F27	02 May 2016	32	13.17	84.89	7.5	33.43	8.1	25.1	1.23
F27	02 May 2016	33	13.03	85.40	7.1	33.44	8.1	25.2	1.78
F27	02 May 2016	34	12.82	86.40	6.7	33.46	8.1	25.2	2.59
F27	02 May 2016	35	12.70	87.48	6.3	33.45	8.0	25.3	2.75
F27	02 May 2016	36	12.58	88.13	6.0	33.46	8.0	25.3	2.65
F27	02 May 2016	37	12.47	88.53	5.9	33.49	8.0	25.3	2.48
F27	02 May 2016	38	12.30	88.86	5.8	33.50	8.0	25.4	2.29
F27	02 May 2016	39	12.17	89.11	5.6	33.49	8.0	25.4	2.03
F27	02 May 2016	40	11.96	89.26	5.5	33.47	8.0	25.4	1.77
F27	02 May 2016	41	11.60	89.54	5.5	33.46	8.0	25.5	1.57
F27	02 May 2016	42	11.48	89.79	5.5	33.43	8.0	25.5	1.43
F27	02 May 2016	43	11.45	89.84	5.6	33.43	8.0	25.5	1.30
F27	02 May 2016	44	11.32	89.90	5.5	33.45	8.0	25.5	1.14
F27	02 May 2016	45	11.21	89.96	5.5	33.44	8.0	25.5	1.01
F27	02 May 2016	46	11.06	90.06	5.5	33.47	8.0	25.6	0.88
F27	02 May 2016	47	10.93	90.09	5.5	33.48	7.9	25.6	0.81
F27	02 May 2016	48	10.89	90.10	5.4	33.49	7.9	25.6	0.75
F27	02 May 2016	49	10.84	90.13	5.3	33.52	7.9	25.6	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F27	02 May 2016	50	10.78	90.18	5.2	33.52	7.9	25.7	0.58
F27	02 May 2016	51	10.75	90.19	5.1	33.53	7.9	25.7	0.53
F27	02 May 2016	52	10.74	90.22	5.0	33.54	7.9	25.7	0.47
F27	02 May 2016	53	10.73	90.22	5.0	33.55	7.9	25.7	0.43
F27	02 May 2016	54	10.73	90.26	5.0	33.57	7.9	25.7	0.40
F27	02 May 2016	55	10.74	90.26	4.9	33.58	7.9	25.7	0.38
F27	02 May 2016	56	10.75	90.25	4.9	33.59	7.9	25.7	0.37
F27	02 May 2016	57	10.76	90.24	4.8	33.60	7.9	25.7	0.35
F27	02 May 2016	58	10.78	90.24	4.8	33.62	7.9	25.7	0.34
F27	02 May 2016	59	10.82	90.18	4.7	33.66	7.9	25.8	0.34
F27	02 May 2016	60	10.81	90.03	4.6	33.67	7.9	25.8	0.33
F27	02 May 2016	61	10.80	90.13	4.4	33.68	7.9	25.8	0.32
F27	02 May 2016	62	10.78	90.13	4.3	33.68	7.9	25.8	0.32
F27	02 May 2016	63	10.76	90.13	4.3	33.69	7.9	25.8	0.31
F27	02 May 2016	64	10.75	90.14	4.3	33.69	7.9	25.8	0.29
F27	02 May 2016	65	10.73	90.07	4.3	33.71	7.9	25.8	0.28
F27	02 May 2016	66	10.72	90.00	4.3	33.71	7.9	25.8	0.27
F27	02 May 2016	67	10.69	89.97	4.2	33.72	7.8	25.8	0.28
F27	02 May 2016	68	10.64	89.95	4.2	33.74	7.8	25.9	0.27
F27	02 May 2016	69	10.58	89.89	4.1	33.75	7.8	25.9	0.28
F27	02 May 2016	70	10.55	89.90	4.1	33.75	7.8	25.9	0.26
F27	02 May 2016	71	10.54	89.89	4.0	33.75	7.8	25.9	0.30
F27	02 May 2016	72	10.53	89.89	4.0	33.76	7.8	25.9	0.28
F27	02 May 2016	73	10.50	89.91	4.0	33.76	7.8	25.9	0.27
F27	02 May 2016	74	10.45	89.94	4.0	33.77	7.8	25.9	0.27
F27	02 May 2016	75	10.41	89.94	4.0	33.77	7.8	25.9	0.28
F27	02 May 2016	76	10.40	89.96	4.0	33.77	7.8	25.9	0.27
F27	02 May 2016	77	10.39	89.96	4.0	33.76	7.8	25.9	0.25
F27	02 May 2016	78	10.39	89.98	4.0	33.77	7.8	25.9	0.25
F27	02 May 2016	79	10.38	89.96	4.0	33.77	7.8	25.9	0.24
F27	02 May 2016	80	10.38	89.97	4.0	33.77	7.8	25.9	0.23
F27	02 May 2016	81	10.37	89.99	4.0	33.77	7.8	25.9	0.23
F27	02 May 2016	82	10.36	89.99	4.0	33.76	7.8	25.9	0.23
F27	02 May 2016	83	10.36	89.98	4.0	33.76	7.8	25.9	0.23
F27	02 May 2016	84	10.35	89.98	4.0	33.77	7.8	25.9	0.23
F27	02 May 2016	85	10.33	89.94	4.0	33.77	7.8	25.9	0.23
F27	02 May 2016	86	10.24	89.77	4.0	33.76	7.8	25.9	0.23
F27	02 May 2016	87	10.21	89.65	4.0	33.76	7.8	25.9	0.23
F27	02 May 2016	88	10.19	89.57	4.0	33.76	7.8	25.9	0.23
F27	02 May 2016	89	10.18	89.44	4.0	33.76	7.8	25.9	0.22
F27	02 May 2016	90	10.16	89.26	4.0	33.75	7.8	26.0	0.22
F27	02 May 2016	91	10.15	89.17	3.9	33.75	7.8	26.0	0.21
F27	02 May 2016	92	10.15	89.04	4.0	33.75	7.8	26.0	0.22
F27	02 May 2016	93	10.14	88.99	4.0	33.75	7.8	26.0	0.22
F27	02 May 2016	94	10.12	88.85	3.9	33.75	7.8	26.0	0.21
F27	02 May 2016	95	10.10	88.27	3.9	33.76	7.8	26.0	0.22
F27	02 May 2016	96	10.01	86.47	3.9	33.81	7.8	26.0	0.22
F27	02 May 2016	97	9.93	86.85	3.9	33.83	7.8	26.1	0.21
F27	02 May 2016	98	9.89	87.09	3.8	33.85	7.8	26.1	0.22
F28	02 May 2016	1	17.98	88.72	7.7	33.57	8.2	24.2	0.25
F28	02 May 2016	2	17.98	88.32	7.7	33.57	8.2	24.2	0.26
F28	02 May 2016	3	17.95	88.30	7.7	33.57	8.2	24.2	0.25
F28	02 May 2016	4	17.89	88.25	7.7	33.57	8.2	24.2	0.25
F28	02 May 2016	5	17.84	88.17	7.7	33.57	8.2	24.2	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F28	02 May 2016	6	17.77	87.97	7.6	33.57	8.2	24.2	0.26
F28	02 May 2016	7	17.75	87.92	7.6	33.57	8.2	24.2	0.27
F28	02 May 2016	8	17.73	87.92	7.7	33.57	8.2	24.2	0.27
F28	02 May 2016	9	17.73	87.90	7.6	33.56	8.2	24.2	0.29
F28	02 May 2016	10	17.71	87.91	7.7	33.57	8.2	24.2	0.30
F28	02 May 2016	11	17.70	87.89	7.6	33.56	8.2	24.2	0.31
F28	02 May 2016	12	17.68	87.87	7.7	33.57	8.2	24.3	0.32
F28	02 May 2016	13	17.67	87.78	7.7	33.56	8.2	24.3	0.32
F28	02 May 2016	14	17.66	87.79	7.6	33.56	8.2	24.3	0.33
F28	02 May 2016	15	17.54	87.77	7.6	33.58	8.2	24.3	0.34
F28	02 May 2016	16	16.94	87.90	7.8	33.62	8.2	24.5	0.34
F28	02 May 2016	17	16.47	88.15	7.8	33.54	8.2	24.5	0.35
F28	02 May 2016	18	15.88	88.17	8.0	33.59	8.2	24.7	0.37
F28	02 May 2016	19	15.40	87.88	8.2	33.51	8.2	24.7	0.37
F28	02 May 2016	20	15.23	87.73	8.3	33.50	8.2	24.8	0.39
F28	02 May 2016	21	14.98	87.73	8.4	33.50	8.2	24.8	0.39
F28	02 May 2016	22	14.80	87.71	8.4	33.50	8.2	24.9	0.41
F28	02 May 2016	23	14.76	87.67	8.4	33.49	8.2	24.9	0.45
F28	02 May 2016	24	14.67	87.69	8.4	33.50	8.2	24.9	0.49
F28	02 May 2016	25	14.28	86.57	8.4	33.54	8.2	25.0	0.51
F28	02 May 2016	26	14.07	85.44	8.4	33.50	8.2	25.0	0.54
F28	02 May 2016	27	13.98	84.68	8.2	33.50	8.2	25.0	0.55
F28	02 May 2016	28	13.90	83.94	8.1	33.49	8.2	25.0	0.59
F28	02 May 2016	29	13.66	82.99	8.0	33.51	8.2	25.1	0.73
F28	02 May 2016	30	13.28	83.81	7.8	33.45	8.1	25.1	1.14
F28	02 May 2016	31	13.12	85.33	7.3	33.45	8.1	25.2	1.61
F28	02 May 2016	32	12.86	86.21	6.9	33.45	8.1	25.2	2.08
F28	02 May 2016	33	12.68	87.05	6.6	33.45	8.0	25.3	2.47
F28	02 May 2016	34	12.55	87.87	6.2	33.44	8.0	25.3	2.47
F28	02 May 2016	35	12.49	88.26	5.9	33.46	8.0	25.3	2.31
F28	02 May 2016	36	12.38	88.74	5.8	33.49	8.0	25.3	2.05
F28	02 May 2016	37	12.27	88.98	5.7	33.48	8.0	25.4	1.88
F28	02 May 2016	38	12.14	89.08	5.5	33.48	8.0	25.4	1.69
F28	02 May 2016	39	11.76	89.24	5.5	33.44	8.0	25.4	1.49
F28	02 May 2016	40	11.64	89.38	5.6	33.42	8.0	25.4	1.32
F28	02 May 2016	41	11.55	89.52	5.7	33.43	8.0	25.5	1.27
F28	02 May 2016	42	11.43	89.69	5.7	33.43	8.0	25.5	1.21
F28	02 May 2016	43	11.38	89.82	5.6	33.44	8.0	25.5	1.12
F28	02 May 2016	44	11.29	89.90	5.5	33.45	8.0	25.5	1.02
F28	02 May 2016	45	11.26	89.96	5.5	33.45	8.0	25.5	0.88
F28	02 May 2016	46	11.16	89.99	5.4	33.46	8.0	25.6	0.82
F28	02 May 2016	47	11.05	90.01	5.4	33.45	8.0	25.6	0.75
F28	02 May 2016	48	11.01	90.06	5.4	33.46	7.9	25.6	0.80
F28	02 May 2016	49	10.83	90.10	5.4	33.48	7.9	25.6	0.67
F28	02 May 2016	50	10.75	90.15	5.3	33.49	7.9	25.6	0.62
F28	02 May 2016	51	10.73	90.18	5.3	33.51	7.9	25.7	0.59
F28	02 May 2016	52	10.73	90.20	5.2	33.52	7.9	25.7	0.58
F28	02 May 2016	53	10.73	90.22	5.1	33.53	7.9	25.7	0.51
F28	02 May 2016	54	10.74	90.23	5.0	33.54	7.9	25.7	0.48
F28	02 May 2016	55	10.74	90.24	5.0	33.55	7.9	25.7	0.44
F28	02 May 2016	56	10.74	90.22	5.0	33.56	7.9	25.7	0.42
F28	02 May 2016	57	10.75	90.24	4.9	33.56	7.9	25.7	0.40
F28	02 May 2016	58	10.75	90.23	4.9	33.57	7.9	25.7	0.39
F28	02 May 2016	59	10.75	90.24	4.8	33.59	7.9	25.7	0.37
F28	02 May 2016	60	10.77	90.25	4.8	33.61	7.9	25.7	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F28	02 May 2016	61	10.79	90.25	4.8	33.63	7.9	25.7	0.36
F28	02 May 2016	62	10.81	90.24	4.6	33.65	7.9	25.8	0.35
F28	02 May 2016	63	10.81	90.18	4.5	33.67	7.9	25.8	0.33
F28	02 May 2016	64	10.77	90.10	4.5	33.68	7.9	25.8	0.32
F28	02 May 2016	65	10.75	90.12	4.4	33.69	7.9	25.8	0.32
F28	02 May 2016	66	10.74	90.13	4.3	33.69	7.9	25.8	0.31
F28	02 May 2016	67	10.73	90.14	4.3	33.69	7.9	25.8	0.29
F28	02 May 2016	68	10.72	90.15	4.3	33.70	7.9	25.8	0.29
F28	02 May 2016	69	10.69	90.17	4.3	33.71	7.9	25.8	0.27
F28	02 May 2016	70	10.67	90.13	4.3	33.72	7.8	25.8	0.28
F28	02 May 2016	71	10.68	89.99	4.2	33.73	7.8	25.8	0.27
F28	02 May 2016	72	10.67	89.86	4.1	33.74	7.8	25.9	0.26
F28	02 May 2016	73	10.65	89.83	4.0	33.75	7.8	25.9	0.26
F28	02 May 2016	74	10.62	89.82	4.0	33.75	7.8	25.9	0.31
F28	02 May 2016	75	10.55	89.83	3.9	33.77	7.8	25.9	0.28
F28	02 May 2016	76	10.44	89.87	4.0	33.77	7.8	25.9	0.28
F28	02 May 2016	77	10.39	89.94	4.0	33.77	7.8	25.9	0.28
F28	02 May 2016	78	10.37	89.97	4.0	33.77	7.8	25.9	0.28
F28	02 May 2016	79	10.36	89.99	4.0	33.77	7.8	25.9	0.28
F28	02 May 2016	80	10.35	90.02	4.0	33.77	7.8	25.9	0.26
F28	02 May 2016	81	10.35	90.02	4.0	33.77	7.8	25.9	0.24
F28	02 May 2016	82	10.34	90.01	4.0	33.77	7.8	25.9	0.24
F28	02 May 2016	83	10.32	89.99	4.0	33.77	7.8	25.9	0.23
F28	02 May 2016	84	10.29	89.95	4.0	33.77	7.8	25.9	0.24
F28	02 May 2016	85	10.29	89.95	4.0	33.77	7.8	25.9	0.23
F28	02 May 2016	86	10.27	90.01	4.0	33.77	7.8	25.9	0.22
F28	02 May 2016	87	10.25	89.98	4.0	33.77	7.8	26.0	0.22
F28	02 May 2016	88	10.22	89.87	4.0	33.77	7.8	26.0	0.22
F28	02 May 2016	89	10.20	89.71	4.0	33.77	7.8	26.0	0.23
F28	02 May 2016	90	10.17	89.61	4.0	33.77	7.8	26.0	0.23
F28	02 May 2016	91	10.14	89.32	4.0	33.77	7.8	26.0	0.23
F28	02 May 2016	92	10.11	89.10	4.0	33.77	7.8	26.0	0.23
F28	02 May 2016	93	10.06	88.88	3.9	33.76	7.8	26.0	0.22
F28	02 May 2016	94	10.02	88.71	3.9	33.77	7.8	26.0	0.23
F28	02 May 2016	95	9.97	88.12	3.9	33.80	7.8	26.0	0.23
F28	02 May 2016	96	9.94	87.18	3.9	33.82	7.8	26.0	0.22
F28	02 May 2016	97	9.92	86.89	3.8	33.83	7.8	26.0	0.22
F28	02 May 2016	98	9.89	87.30	3.7	33.84	7.8	26.1	0.22
F28	02 May 2016	99	9.82	87.69	3.7	33.87	7.8	26.1	0.22
F29	02 May 2016	1	17.90	84.01	7.6	33.56	8.2	24.1	0.25
F29	02 May 2016	2	17.89	84.80	7.7	33.55	8.2	24.2	0.25
F29	02 May 2016	3	17.89	87.80	7.7	33.57	8.2	24.2	0.26
F29	02 May 2016	4	17.82	88.28	7.7	33.57	8.2	24.2	0.26
F29	02 May 2016	5	17.79	88.27	7.6	33.56	8.2	24.2	0.26
F29	02 May 2016	6	17.77	88.22	7.6	33.57	8.2	24.2	0.26
F29	02 May 2016	7	17.71	88.05	7.7	33.57	8.2	24.2	0.27
F29	02 May 2016	8	17.69	87.99	7.7	33.56	8.2	24.2	0.28
F29	02 May 2016	9	17.68	87.98	7.7	33.56	8.2	24.2	0.30
F29	02 May 2016	10	17.67	87.88	7.7	33.56	8.2	24.3	0.31
F29	02 May 2016	11	17.66	87.91	7.7	33.56	8.2	24.3	0.31
F29	02 May 2016	12	17.64	87.86	7.7	33.56	8.2	24.3	0.32
F29	02 May 2016	13	17.47	87.81	7.7	33.59	8.2	24.3	0.33
F29	02 May 2016	14	16.81	87.83	7.8	33.60	8.2	24.5	0.34
F29	02 May 2016	15	16.07	88.01	7.8	33.59	8.2	24.6	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F29	02 May 2016	16	15.50	88.16	8.0	33.52	8.2	24.7	0.36
F29	02 May 2016	17	15.30	88.11	8.2	33.50	8.2	24.7	0.37
F29	02 May 2016	18	15.14	87.66	8.3	33.50	8.2	24.8	0.38
F29	02 May 2016	19	15.08	84.81	8.4	33.49	8.2	24.8	0.39
F29	02 May 2016	20	14.98	86.93	8.4	33.49	8.2	24.8	0.40
F29	02 May 2016	21	14.79	88.37	8.5	33.51	8.2	24.9	0.43
F29	02 May 2016	22	14.69	88.37	8.5	33.50	8.2	24.9	1.06
F29	02 May 2016	23	14.57	88.35	8.5	33.51	8.2	24.9	1.54
F29	02 May 2016	24	14.25	87.84	8.5	33.52	8.2	25.0	1.02
F29	02 May 2016	25	14.05	86.48	8.4	33.51	8.2	25.0	0.64
F29	02 May 2016	26	13.84	85.12	8.2	33.50	8.2	25.1	0.54
F29	02 May 2016	27	13.60	84.49	8.1	33.47	8.1	25.1	0.54
F29	02 May 2016	28	13.50	84.90	7.8	33.45	8.1	25.1	0.63
F29	02 May 2016	29	13.22	85.21	7.5	33.45	8.1	25.1	0.99
F29	02 May 2016	30	12.98	86.08	7.3	33.45	8.1	25.2	1.45
F29	02 May 2016	31	12.68	87.18	7.0	33.48	8.0	25.3	1.90
F29	02 May 2016	32	12.46	87.73	6.4	33.44	8.0	25.3	2.23
F29	02 May 2016	33	12.44	88.42	5.9	33.44	8.0	25.3	2.36
F29	02 May 2016	34	12.36	88.72	5.7	33.46	8.0	25.3	2.30
F29	02 May 2016	35	12.21	88.96	5.6	33.49	8.0	25.4	2.03
F29	02 May 2016	36	11.82	89.18	5.5	33.45	8.0	25.4	1.69
F29	02 May 2016	37	11.66	89.50	5.5	33.44	8.0	25.4	1.48
F29	02 May 2016	38	11.57	89.54	5.6	33.43	8.0	25.4	1.35
F29	02 May 2016	39	11.51	89.69	5.6	33.42	8.0	25.5	1.33
F29	02 May 2016	40	11.42	89.70	5.6	33.43	8.0	25.5	1.16
F29	02 May 2016	41	11.33	89.76	5.6	33.43	8.0	25.5	1.02
F29	02 May 2016	42	11.28	89.78	5.5	33.44	8.0	25.5	0.95
F29	02 May 2016	43	11.25	89.86	5.5	33.45	8.0	25.5	0.84
F29	02 May 2016	44	11.21	89.96	5.4	33.47	8.0	25.5	0.80
F29	02 May 2016	45	11.16	90.00	5.4	33.48	7.9	25.6	0.77
F29	02 May 2016	46	11.09	90.04	5.4	33.48	7.9	25.6	0.75
F29	02 May 2016	47	11.01	90.07	5.3	33.51	7.9	25.6	0.68
F29	02 May 2016	48	10.93	90.11	5.2	33.53	7.9	25.6	0.64
F29	02 May 2016	49	10.86	90.16	5.1	33.53	7.9	25.7	0.60
F29	02 May 2016	50	10.79	90.17	5.1	33.54	7.9	25.7	0.54
F29	02 May 2016	51	10.75	90.19	5.1	33.53	7.9	25.7	0.51
F29	02 May 2016	52	10.73	90.19	5.1	33.54	7.9	25.7	0.49
F29	02 May 2016	53	10.71	90.20	5.0	33.55	7.9	25.7	0.46
F29	02 May 2016	54	10.70	90.23	5.0	33.57	7.9	25.7	0.45
F29	02 May 2016	55	10.69	90.25	4.9	33.57	7.9	25.7	0.42
F29	02 May 2016	56	10.69	90.25	4.9	33.58	7.9	25.7	0.40
F29	02 May 2016	57	10.69	90.24	4.9	33.58	7.9	25.7	0.39
F29	02 May 2016	58	10.68	90.24	4.9	33.59	7.9	25.7	0.37
F29	02 May 2016	59	10.68	90.26	4.8	33.59	7.9	25.7	0.35
F29	02 May 2016	60	10.68	90.28	4.8	33.59	7.9	25.7	0.35
F29	02 May 2016	61	10.72	90.22	4.8	33.62	7.9	25.8	0.34
F29	02 May 2016	62	10.71	90.26	4.7	33.64	7.9	25.8	0.34
F29	02 May 2016	63	10.72	90.21	4.6	33.65	7.9	25.8	0.32
F29	02 May 2016	64	10.71	90.27	4.5	33.67	7.9	25.8	0.31
F29	02 May 2016	65	10.72	90.25	4.5	33.68	7.9	25.8	0.29
F29	02 May 2016	66	10.71	90.22	4.4	33.69	7.9	25.8	0.30
F29	02 May 2016	67	10.64	90.19	4.4	33.72	7.8	25.8	0.28
F29	02 May 2016	68	10.61	90.00	4.3	33.72	7.8	25.8	0.28
F29	02 May 2016	69	10.61	90.00	4.2	33.73	7.8	25.9	0.28
F29	02 May 2016	70	10.60	90.12	4.1	33.73	7.8	25.9	0.26



Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F29	02 May 2016	71	10.57	90.12	4.1	33.74	7.8	25.9	0.24
F29	02 May 2016	72	10.52	90.10	4.1	33.75	7.8	25.9	0.24
F29	02 May 2016	73	10.49	90.05	4.1	33.76	7.8	25.9	0.23
F29	02 May 2016	74	10.43	89.99	4.1	33.77	7.8	25.9	0.24
F29	02 May 2016	75	10.35	89.97	4.0	33.78	7.8	25.9	0.23
F29	02 May 2016	76	10.31	89.98	4.0	33.77	7.8	25.9	0.22
F29	02 May 2016	77	10.28	89.90	4.0	33.77	7.8	25.9	0.22
F29	02 May 2016	78	10.25	89.71	4.0	33.76	7.8	25.9	0.22
F29	02 May 2016	79	10.25	89.62	4.0	33.76	7.8	25.9	0.22
F29	02 May 2016	80	10.22	89.47	4.0	33.76	7.8	25.9	0.22
F29	02 May 2016	81	10.16	88.95	4.0	33.75	7.8	26.0	0.22
F29	02 May 2016	82	10.08	88.74	4.0	33.78	7.8	26.0	0.22
F29	02 May 2016	83	10.02	88.81	3.9	33.78	7.8	26.0	0.22
F29	02 May 2016	84	10.01	88.81	3.9	33.78	7.8	26.0	0.22
F29	02 May 2016	85	10.00	88.79	3.9	33.78	7.8	26.0	0.21
F29	02 May 2016	86	10.00	88.77	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	87	9.99	88.26	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	88	9.99	88.61	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	89	9.98	88.57	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	90	9.98	88.51	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	91	9.97	88.47	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	92	9.97	88.45	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	93	9.97	88.35	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	94	9.96	88.28	3.8	33.78	7.8	26.0	0.21
F29	02 May 2016	95	9.96	88.27	3.8	33.79	7.8	26.0	0.21
F29	02 May 2016	96	9.96	88.29	3.8	33.79	7.8	26.0	0.21
F29	02 May 2016	97	9.93	88.08	3.8	33.80	7.8	26.0	0.21
F29	02 May 2016	98	9.86	86.12	3.8	33.85	7.8	26.1	0.21
F29	02 May 2016	99	9.83	84.59	3.8	33.86	7.8	26.1	0.21
F30	02 May 2016	1	17.82	88.26	7.7	33.56	8.2	24.2	0.24
F30	02 May 2016	2	17.82	88.29	7.7	33.56	8.2	24.2	0.24
F30	02 May 2016	3	17.81	88.31	7.7	33.56	8.2	24.2	0.24
F30	02 May 2016	4	17.80	88.30	7.7	33.57	8.2	24.2	0.24
F30	02 May 2016	5	17.75	88.26	7.7	33.57	8.2	24.2	0.24
F30	02 May 2016	6	17.73	88.21	7.6	33.56	8.2	24.2	0.24
F30	02 May 2016	7	17.69	88.21	7.7	33.57	8.2	24.3	0.24
F30	02 May 2016	8	17.65	87.98	7.7	33.56	8.2	24.3	0.25
F30	02 May 2016	9	17.64	88.11	7.7	33.56	8.2	24.3	0.25
F30	02 May 2016	10	17.62	88.06	7.7	33.56	8.2	24.3	0.27
F30	02 May 2016	11	17.58	87.97	7.7	33.56	8.2	24.3	0.29
F30	02 May 2016	12	17.25	88.01	7.7	33.59	8.2	24.4	0.30
F30	02 May 2016	13	16.81	88.07	7.8	33.56	8.2	24.5	0.30
F30	02 May 2016	14	16.28	88.26	7.9	33.56	8.2	24.6	0.32
F30	02 May 2016	15	15.87	88.11	8.1	33.52	8.2	24.6	0.33
F30	02 May 2016	16	15.63	88.22	8.1	33.51	8.2	24.7	0.36
F30	02 May 2016	17	15.37	88.25	8.3	33.50	8.2	24.7	0.36
F30	02 May 2016	18	15.27	88.24	8.3	33.49	8.2	24.8	0.36
F30	02 May 2016	19	15.16	88.03	8.3	33.50	8.2	24.8	0.42
F30	02 May 2016	20	15.07	88.00	8.4	33.49	8.2	24.8	0.39
F30	02 May 2016	21	15.00	87.90	8.5	33.49	8.2	24.8	0.41
F30	02 May 2016	22	14.90	87.81	8.5	33.50	8.2	24.8	0.43
F30	02 May 2016	23	14.78	87.76	8.5	33.50	8.2	24.9	0.44
F30	02 May 2016	24	14.66	87.77	8.5	33.50	8.2	24.9	0.47
F30	02 May 2016	25	14.51	87.64	8.4	33.50	8.2	24.9	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F30	02 May 2016	26	14.19	87.30	8.4	33.52	8.2	25.0	0.52
F30	02 May 2016	27	14.03	85.92	8.3	33.51	8.2	25.0	0.55
F30	02 May 2016	28	13.84	84.84	8.2	33.51	8.2	25.1	0.58
F30	02 May 2016	29	13.55	84.83	8.0	33.48	8.1	25.1	0.66
F30	02 May 2016	30	13.32	85.59	7.6	33.45	8.1	25.1	0.95
F30	02 May 2016	31	13.12	86.22	7.2	33.43	8.1	25.2	1.53
F30	02 May 2016	32	12.99	86.53	6.9	33.44	8.1	25.2	1.95
F30	02 May 2016	33	12.87	86.84	6.7	33.45	8.0	25.2	2.11
F30	02 May 2016	34	12.81	87.29	6.4	33.45	8.0	25.2	2.10
F30	02 May 2016	35	12.75	87.72	6.1	33.46	8.0	25.3	2.14
F30	02 May 2016	36	12.69	87.91	6.0	33.46	8.0	25.3	2.03
F30	02 May 2016	37	12.64	88.20	5.9	33.46	8.0	25.3	1.99
F30	02 May 2016	38	12.52	88.44	5.9	33.51	8.0	25.3	2.11
F30	02 May 2016	39	12.32	88.87	5.9	33.51	8.0	25.4	1.78
F30	02 May 2016	40	12.07	89.18	5.8	33.48	8.0	25.4	1.82
F30	02 May 2016	41	11.81	89.14	5.6	33.43	8.0	25.4	1.74
F30	02 May 2016	42	11.66	89.43	5.5	33.45	8.0	25.4	1.71
F30	02 May 2016	43	11.61	89.55	5.6	33.45	8.0	25.5	1.44
F30	02 May 2016	44	11.49	89.71	5.5	33.45	8.0	25.5	1.23
F30	02 May 2016	45	11.41	89.80	5.5	33.44	8.0	25.5	1.10
F30	02 May 2016	46	11.31	89.84	5.5	33.44	8.0	25.5	1.00
F30	02 May 2016	47	11.22	89.88	5.4	33.45	8.0	25.5	0.92
F30	02 May 2016	48	11.18	89.86	5.4	33.47	7.9	25.6	0.87
F30	02 May 2016	49	11.13	89.89	5.4	33.49	7.9	25.6	0.80
F30	02 May 2016	50	11.10	90.02	5.3	33.49	7.9	25.6	0.75
F30	02 May 2016	51	11.06	90.00	5.2	33.51	7.9	25.6	0.70
F30	02 May 2016	52	11.03	90.04	5.2	33.51	7.9	25.6	0.64
F30	02 May 2016	53	10.99	90.02	5.2	33.52	7.9	25.6	0.63
F30	02 May 2016	54	10.94	90.07	5.1	33.53	7.9	25.6	0.64
F30	02 May 2016	55	10.87	90.09	5.1	33.55	7.9	25.7	0.61
F30	02 May 2016	56	10.83	90.12	5.0	33.55	7.9	25.7	0.56
F30	02 May 2016	57	10.82	90.14	5.0	33.56	7.9	25.7	0.53
F30	02 May 2016	58	10.79	90.16	4.9	33.58	7.9	25.7	0.50
F30	02 May 2016	59	10.77	90.17	4.9	33.61	7.9	25.7	0.47
F30	02 May 2016	60	10.76	90.17	4.7	33.62	7.9	25.7	0.43
F30	02 May 2016	61	10.74	90.20	4.6	33.63	7.9	25.8	0.40
F30	02 May 2016	62	10.71	90.19	4.6	33.63	7.9	25.8	0.34
F30	02 May 2016	63	10.70	90.20	4.6	33.66	7.9	25.8	0.32
F30	02 May 2016	64	10.69	90.17	4.6	33.69	7.9	25.8	0.31
F30	02 May 2016	65	10.66	90.07	4.5	33.72	7.8	25.8	0.30
F30	02 May 2016	66	10.64	90.18	4.4	33.72	7.8	25.8	0.31
F30	02 May 2016	67	10.62	90.19	4.2	33.73	7.8	25.9	0.29
F30	02 May 2016	68	10.55	90.10	4.1	33.74	7.8	25.9	0.26
F30	02 May 2016	69	10.46	89.93	4.1	33.74	7.8	25.9	0.25
F30	02 May 2016	70	10.43	89.51	4.1	33.73	7.8	25.9	0.22
F30	02 May 2016	71	10.40	89.54	4.1	33.74	7.8	25.9	0.22
F30	02 May 2016	72	10.36	89.37	4.0	33.73	7.8	25.9	0.21
F30	02 May 2016	73	10.28	88.80	4.0	33.73	7.8	25.9	0.21
F30	02 May 2016	74	10.18	87.28	4.0	33.71	7.8	25.9	0.22
F30	02 May 2016	75	10.15	86.77	3.9	33.70	7.8	25.9	0.20
F30	02 May 2016	76	10.16	87.15	3.8	33.71	7.8	25.9	0.21
F30	02 May 2016	77	10.13	87.22	3.8	33.71	7.8	25.9	0.20
F30	02 May 2016	78	10.09	87.20	3.8	33.73	7.8	25.9	0.20
F30	02 May 2016	79	10.05	86.74	3.8	33.72	7.8	25.9	0.20
F30	02 May 2016	80	10.05	86.55	3.7	33.72	7.8	25.9	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F30	02 May 2016	81	10.08	87.53	3.7	33.74	7.8	26.0	0.20
F30	02 May 2016	82	10.15	88.18	3.7	33.75	7.8	26.0	0.20
F30	02 May 2016	83	10.17	89.61	3.8	33.77	7.8	26.0	0.20
F30	02 May 2016	84	10.13	89.80	3.9	33.79	7.8	26.0	0.20
F30	02 May 2016	85	10.01	89.49	4.0	33.79	7.8	26.0	0.20
F30	02 May 2016	86	9.99	89.17	4.0	33.79	7.8	26.0	0.20
F30	02 May 2016	87	9.95	89.35	3.9	33.80	7.8	26.0	0.20
F30	02 May 2016	88	9.93	89.39	3.9	33.80	7.8	26.0	0.20
F30	02 May 2016	89	9.91	89.12	3.9	33.81	7.8	26.0	0.20
F30	02 May 2016	90	9.90	88.59	3.9	33.82	7.8	26.0	0.19
F30	02 May 2016	91	9.88	89.08	3.8	33.83	7.8	26.1	0.19
F30	02 May 2016	92	9.85	89.47	3.8	33.84	7.8	26.1	0.20
F30	02 May 2016	93	9.84	89.20	3.8	33.86	7.8	26.1	0.19
F30	02 May 2016	94	9.75	89.41	3.7	33.90	7.8	26.1	0.19
F30	02 May 2016	95	9.73	89.78	3.7	33.90	7.8	26.1	0.18
F30	02 May 2016	96	9.74	89.12	3.6	33.91	7.8	26.1	0.18
F30	02 May 2016	97	9.74	88.95	3.6	33.91	7.8	26.1	0.18
F30	02 May 2016	98	9.74	88.92	3.5	33.91	7.8	26.1	0.18
F31	02 May 2016	1	17.85	88.33	7.7	33.57	8.2	24.2	0.27
F31	02 May 2016	2	17.82	88.35	7.7	33.57	8.2	24.2	0.27
F31	02 May 2016	3	17.77	88.33	7.7	33.57	8.2	24.2	0.27
F31	02 May 2016	4	17.71	88.26	7.7	33.57	8.2	24.2	0.27
F31	02 May 2016	5	17.66	88.15	7.7	33.56	8.2	24.3	0.27
F31	02 May 2016	6	17.64	88.11	7.7	33.56	8.2	24.3	0.27
F31	02 May 2016	7	17.62	88.02	7.7	33.56	8.2	24.3	0.28
F31	02 May 2016	8	17.59	87.86	7.7	33.56	8.2	24.3	0.29
F31	02 May 2016	9	17.40	87.83	7.7	33.60	8.2	24.3	0.30
F31	02 May 2016	10	16.65	87.88	7.8	33.58	8.2	24.5	0.31
F31	02 May 2016	11	16.36	87.64	7.9	33.53	8.2	24.5	0.32
F31	02 May 2016	12	16.06	87.74	8.2	33.53	8.2	24.6	0.35
F31	02 May 2016	13	15.87	87.92	8.3	33.53	8.2	24.6	0.37
F31	02 May 2016	14	15.53	88.18	8.3	33.52	8.2	24.7	0.40
F31	02 May 2016	15	15.30	88.39	8.3	33.51	8.2	24.8	0.42
F31	02 May 2016	16	15.07	88.37	8.3	33.50	8.2	24.8	0.43
F31	02 May 2016	17	14.90	88.19	8.4	33.49	8.2	24.8	0.44
F31	02 May 2016	18	14.80	88.02	8.4	33.48	8.2	24.8	0.42
F31	02 May 2016	19	14.69	87.92	8.5	33.49	8.2	24.9	0.42
F31	02 May 2016	20	14.58	87.82	8.5	33.48	8.2	24.9	0.43
F31	02 May 2016	21	14.52	87.77	8.4	33.48	8.2	24.9	0.46
F31	02 May 2016	22	14.35	87.49	8.3	33.50	8.2	25.0	0.49
F31	02 May 2016	23	14.16	86.77	8.3	33.50	8.2	25.0	0.53
F31	02 May 2016	24	14.06	85.91	8.2	33.50	8.2	25.0	0.58
F31	02 May 2016	25	13.92	84.93	8.1	33.51	8.2	25.0	0.62
F31	02 May 2016	26	13.79	84.52	7.9	33.49	8.1	25.1	0.76
F31	02 May 2016	27	13.68	84.84	7.6	33.50	8.1	25.1	1.12
F31	02 May 2016	28	13.35	85.52	7.6	33.48	8.1	25.1	1.54
F31	02 May 2016	29	13.09	86.33	7.4	33.45	8.1	25.2	1.95
F31	02 May 2016	30	12.89	86.72	7.0	33.44	8.1	25.2	2.25
F31	02 May 2016	31	12.84	87.24	6.7	33.45	8.0	25.2	2.32
F31	02 May 2016	32	12.80	87.59	6.3	33.47	8.0	25.2	2.28
F31	02 May 2016	33	12.76	87.89	6.0	33.48	8.0	25.3	2.11
F31	02 May 2016	34	12.70	88.24	5.9	33.48	8.0	25.3	1.97
F31	02 May 2016	35	12.60	88.34	5.8	33.49	8.0	25.3	1.85
F31	02 May 2016	36	12.43	88.47	5.7	33.47	8.0	25.3	1.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F31	02 May 2016	37	12.33	88.62	5.7	33.44	8.0	25.3	1.66
F31	02 May 2016	38	12.23	88.65	5.8	33.44	8.0	25.3	1.66
F31	02 May 2016	39	12.18	88.75	5.8	33.41	8.0	25.3	1.60
F31	02 May 2016	40	12.14	88.71	5.9	33.42	8.0	25.3	1.57
F31	02 May 2016	41	11.96	88.96	6.0	33.42	8.0	25.4	1.57
F31	02 May 2016	42	11.80	89.16	5.9	33.42	8.0	25.4	1.49
F31	02 May 2016	43	11.69	89.30	5.8	33.43	8.0	25.4	1.45
F31	02 May 2016	44	11.63	89.52	5.7	33.46	8.0	25.5	1.43
F31	02 May 2016	45	11.54	89.66	5.6	33.46	8.0	25.5	1.35
F31	02 May 2016	46	11.46	89.75	5.5	33.45	8.0	25.5	1.24
F31	02 May 2016	47	11.39	89.80	5.4	33.45	8.0	25.5	1.12
F31	02 May 2016	48	11.34	89.85	5.4	33.45	8.0	25.5	1.04
F31	02 May 2016	49	11.34	89.85	5.4	33.46	7.9	25.5	0.88
F31	02 May 2016	50	11.24	89.90	5.4	33.46	7.9	25.5	0.82
F31	02 May 2016	51	11.21	89.93	5.4	33.46	7.9	25.5	0.78
F31	02 May 2016	52	11.16	89.98	5.4	33.48	7.9	25.6	0.81
F31	02 May 2016	53	11.14	90.01	5.3	33.48	7.9	25.6	0.72
F31	02 May 2016	54	11.12	89.99	5.3	33.49	7.9	25.6	0.71
F31	02 May 2016	55	11.10	90.01	5.2	33.49	7.9	25.6	0.69
F31	02 May 2016	56	11.08	89.99	5.2	33.49	7.9	25.6	0.67
F31	02 May 2016	57	10.95	90.02	5.2	33.54	7.9	25.6	0.63
F31	02 May 2016	58	10.86	90.10	5.1	33.55	7.9	25.7	0.62
F31	02 May 2016	59	10.85	90.12	5.0	33.57	7.9	25.7	0.58
F31	02 May 2016	60	10.79	90.14	4.9	33.59	7.9	25.7	0.58
F31	02 May 2016	61	10.76	90.16	4.8	33.59	7.9	25.7	0.53
F31	02 May 2016	62	10.78	90.18	4.7	33.60	7.9	25.7	0.46
F31	02 May 2016	63	10.78	90.13	4.7	33.62	7.9	25.7	0.43
F31	02 May 2016	64	10.73	90.16	4.7	33.63	7.9	25.8	0.39
F31	02 May 2016	65	10.64	90.11	4.6	33.64	7.9	25.8	0.38
F31	02 May 2016	66	10.63	89.99	4.6	33.64	7.9	25.8	0.37
F31	02 May 2016	67	10.61	89.82	4.5	33.65	7.8	25.8	0.35
F31	02 May 2016	68	10.55	89.68	4.4	33.66	7.8	25.8	0.33
F31	02 May 2016	69	10.50	89.79	4.4	33.67	7.8	25.8	0.31
F31	02 May 2016	70	10.53	90.12	4.3	33.71	7.8	25.9	0.29
F31	02 May 2016	71	10.54	90.16	4.3	33.72	7.8	25.9	0.29
F31	02 May 2016	72	10.54	90.17	4.2	33.75	7.8	25.9	0.29
F31	02 May 2016	73	10.50	90.11	4.1	33.76	7.8	25.9	0.28
F31	02 May 2016	74	10.38	90.09	4.0	33.76	7.8	25.9	0.25
F31	02 May 2016	75	10.30	90.11	4.0	33.76	7.8	25.9	0.24
F31	02 May 2016	76	10.27	90.11	4.1	33.76	7.8	25.9	0.23
F31	02 May 2016	77	10.25	90.13	4.1	33.77	7.8	25.9	0.23
F31	02 May 2016	78	10.24	90.13	4.1	33.77	7.8	26.0	0.22
F31	02 May 2016	79	10.18	90.10	4.0	33.78	7.8	26.0	0.22
F31	02 May 2016	80	10.08	90.07	4.0	33.79	7.8	26.0	0.21
F31	02 May 2016	81	10.04	90.05	4.0	33.78	7.8	26.0	0.21
F31	02 May 2016	82	10.02	90.04	4.0	33.78	7.8	26.0	0.21
F31	02 May 2016	83	10.00	90.01	4.0	33.79	7.8	26.0	0.21
F31	02 May 2016	84	9.98	89.91	4.0	33.80	7.8	26.0	0.21
F31	02 May 2016	85	9.95	89.78	4.0	33.80	7.8	26.0	0.22
F31	02 May 2016	86	9.95	89.44	4.0	33.81	7.8	26.0	0.22
F31	02 May 2016	87	9.95	88.79	3.9	33.83	7.8	26.0	0.22
F31	02 May 2016	88	9.93	87.71	3.9	33.85	7.8	26.1	0.22
F31	02 May 2016	89	9.92	87.26	3.8	33.86	7.8	26.1	0.22
F31	02 May 2016	90	9.89	87.23	3.7	33.87	7.8	26.1	0.21
F31	02 May 2016	91	9.86	87.37	3.6	33.89	7.8	26.1	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F31	02 May 2016	92	9.81	87.73	3.6	33.92	7.8	26.1	0.20
F31	02 May 2016	93	9.76	88.12	3.5	33.94	7.8	26.2	0.20
F31	02 May 2016	94	9.74	88.72	3.4	33.94	7.8	26.2	0.20
F31	02 May 2016	95	9.74	88.64	3.4	33.95	7.8	26.2	0.19
F31	02 May 2016	96	9.74	88.34	3.3	33.95	7.8	26.2	0.19
F31	02 May 2016	97	9.74	88.24	3.3	33.95	7.8	26.2	0.19
F31	02 May 2016	98	9.74	88.06	3.2	33.96	7.8	26.2	0.20
F31	02 May 2016	99	9.74	88.19	3.2	33.96	7.8	26.2	0.19
F32	02 May 2016	1	17.85	88.04	7.7	33.56	8.2	24.2	0.28
F32	02 May 2016	2	17.83	88.14	7.7	33.57	8.2	24.2	0.28
F32	02 May 2016	3	17.74	88.12	7.7	33.57	8.2	24.2	0.28
F32	02 May 2016	4	17.71	88.06	7.7	33.57	8.2	24.2	0.28
F32	02 May 2016	5	17.67	87.89	7.7	33.56	8.2	24.3	0.27
F32	02 May 2016	6	17.66	87.88	7.6	33.56	8.2	24.3	0.29
F32	02 May 2016	7	17.65	87.90	7.7	33.56	8.2	24.3	0.30
F32	02 May 2016	8	17.61	87.85	7.7	33.56	8.2	24.3	0.31
F32	02 May 2016	9	17.55	87.79	7.7	33.56	8.2	24.3	0.33
F32	02 May 2016	10	17.46	87.74	7.7	33.56	8.2	24.3	0.34
F32	02 May 2016	11	17.44	87.85	7.7	33.56	8.2	24.3	0.36
F32	02 May 2016	12	17.29	87.94	7.8	33.57	8.2	24.3	0.37
F32	02 May 2016	13	17.10	87.88	7.8	33.56	8.2	24.4	0.38
F32	02 May 2016	14	16.45	88.10	7.9	33.59	8.2	24.6	0.39
F32	02 May 2016	15	15.74	88.31	8.0	33.54	8.2	24.7	0.41
F32	02 May 2016	16	15.33	88.51	8.1	33.52	8.2	24.8	0.44
F32	02 May 2016	17	15.13	88.43	8.2	33.49	8.2	24.8	0.44
F32	02 May 2016	18	15.04	88.45	8.3	33.49	8.2	24.8	0.45
F32	02 May 2016	19	14.93	88.37	8.4	33.48	8.2	24.8	0.42
F32	02 May 2016	20	14.85	88.39	8.4	33.50	8.2	24.9	0.42
F32	02 May 2016	21	14.38	88.27	8.4	33.51	8.2	25.0	0.43
F32	02 May 2016	22	14.12	87.37	8.3	33.49	8.2	25.0	0.45
F32	02 May 2016	23	13.90	84.73	8.1	33.51	8.2	25.1	0.46
F32	02 May 2016	24	13.63	84.84	8.0	33.50	8.1	25.1	0.50
F32	02 May 2016	25	13.39	85.40	7.6	33.47	8.1	25.1	0.72
F32	02 May 2016	26	13.19	85.97	7.0	33.46	8.1	25.2	1.07
F32	02 May 2016	27	13.07	86.69	6.8	33.44	8.1	25.2	1.63
F32	02 May 2016	28	12.92	87.08	6.6	33.44	8.1	25.2	1.85
F32	02 May 2016	29	12.75	87.44	6.5	33.45	8.0	25.2	1.86
F32	02 May 2016	30	12.72	88.00	6.3	33.46	8.0	25.3	1.78
F32	02 May 2016	31	12.64	88.20	6.0	33.48	8.0	25.3	1.75
F32	02 May 2016	32	12.53	88.44	5.8	33.48	8.0	25.3	1.62
F32	02 May 2016	33	12.43	88.56	5.7	33.47	8.0	25.3	1.50
F32	02 May 2016	34	12.39	88.75	5.6	33.50	8.0	25.3	1.51
F32	02 May 2016	35	12.19	88.87	5.6	33.48	8.0	25.4	1.40
F32	02 May 2016	36	11.85	88.98	5.6	33.44	8.0	25.4	1.37
F32	02 May 2016	37	11.85	89.24	5.6	33.44	8.0	25.4	1.35
F32	02 May 2016	38	11.81	89.44	5.6	33.48	8.0	25.4	1.21
F32	02 May 2016	39	11.59	89.67	5.4	33.50	8.0	25.5	1.14
F32	02 May 2016	40	11.48	89.78	5.3	33.48	7.9	25.5	1.05
F32	02 May 2016	41	11.42	89.90	5.3	33.49	7.9	25.5	1.01
F32	02 May 2016	42	11.29	89.89	5.2	33.48	7.9	25.5	0.94
F32	02 May 2016	43	11.26	89.94	5.2	33.47	7.9	25.5	0.78
F32	02 May 2016	44	11.25	89.96	5.3	33.47	7.9	25.5	0.72
F32	02 May 2016	45	11.20	90.00	5.3	33.47	7.9	25.5	0.69
F32	02 May 2016	46	11.13	90.04	5.3	33.47	7.9	25.6	0.65

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F32	02 May 2016	47	11.03	90.05	5.3	33.48	7.9	25.6	0.62
F32	02 May 2016	48	11.00	90.07	5.3	33.49	7.9	25.6	0.61
F32	02 May 2016	49	10.99	90.11	5.2	33.50	7.9	25.6	0.60
F32	02 May 2016	50	10.99	90.09	5.2	33.51	7.9	25.6	0.58
F32	02 May 2016	51	10.96	90.08	5.1	33.52	7.9	25.6	0.55
F32	02 May 2016	52	10.92	90.09	5.1	33.53	7.9	25.6	0.53
F32	02 May 2016	53	10.88	90.09	5.0	33.55	7.9	25.7	0.51
F32	02 May 2016	54	10.85	90.11	5.0	33.57	7.9	25.7	0.49
F32	02 May 2016	55	10.85	90.12	4.8	33.58	7.9	25.7	0.46
F32	02 May 2016	56	10.81	90.12	4.8	33.59	7.9	25.7	0.44
F32	02 May 2016	57	10.80	90.12	4.8	33.59	7.9	25.7	0.43
F32	02 May 2016	58	10.79	90.12	4.7	33.59	7.9	25.7	0.40
F32	02 May 2016	59	10.78	90.11	4.7	33.60	7.9	25.7	0.39
F32	02 May 2016	60	10.78	90.13	4.7	33.60	7.9	25.7	0.36
F32	02 May 2016	61	10.77	90.13	4.7	33.60	7.9	25.7	0.36
F32	02 May 2016	62	10.75	90.13	4.7	33.60	7.9	25.7	0.35
F32	02 May 2016	63	10.72	90.12	4.7	33.60	7.9	25.7	0.35
F32	02 May 2016	64	10.72	90.12	4.7	33.60	7.9	25.7	0.36
F32	02 May 2016	65	10.72	90.13	4.7	33.60	7.9	25.7	0.35
F32	02 May 2016	66	10.70	90.15	4.7	33.61	7.9	25.7	0.34
F32	02 May 2016	67	10.65	90.16	4.7	33.63	7.9	25.8	0.34
F32	02 May 2016	68	10.56	90.20	4.6	33.65	7.9	25.8	0.33
F32	02 May 2016	69	10.49	90.18	4.6	33.63	7.9	25.8	0.32
F32	02 May 2016	70	10.50	90.07	4.5	33.63	7.9	25.8	0.32
F32	02 May 2016	71	10.54	89.73	4.6	33.65	7.8	25.8	0.29
F32	02 May 2016	72	10.56	89.56	4.4	33.65	7.8	25.8	0.28
F32	02 May 2016	73	10.64	89.15	4.3	33.68	7.8	25.8	0.28
F32	02 May 2016	74	10.63	88.84	4.2	33.70	7.8	25.8	0.26
F32	02 May 2016	75	10.51	88.84	4.0	33.72	7.8	25.9	0.27
F32	02 May 2016	76	10.39	89.57	3.9	33.69	7.8	25.9	0.27
F32	02 May 2016	77	10.42	90.09	4.1	33.70	7.8	25.9	0.27
F32	02 May 2016	78	10.46	90.13	4.3	33.71	7.8	25.9	0.26
F32	02 May 2016	79	10.50	90.19	4.3	33.73	7.8	25.9	0.24
F32	02 May 2016	80	10.50	90.16	4.2	33.74	7.8	25.9	0.23
F32	02 May 2016	81	10.43	90.12	4.1	33.78	7.8	25.9	0.21
F32	02 May 2016	82	10.28	90.12	4.1	33.79	7.8	26.0	0.20
F32	02 May 2016	83	10.23	90.11	4.0	33.78	7.8	26.0	0.20
F32	02 May 2016	84	10.12	90.08	4.0	33.79	7.8	26.0	0.20
F32	02 May 2016	85	10.01	89.95	4.0	33.80	7.8	26.0	0.19
F32	02 May 2016	86	10.00	89.80	4.0	33.80	7.8	26.0	0.19
F32	02 May 2016	87	9.99	89.78	4.0	33.80	7.8	26.0	0.20
F32	02 May 2016	88	9.97	89.78	3.9	33.81	7.8	26.0	0.20
F32	02 May 2016	89	9.98	89.52	3.9	33.81	7.8	26.0	0.19
F32	02 May 2016	90	9.98	89.18	3.9	33.82	7.8	26.0	0.19
F32	02 May 2016	91	9.95	88.90	3.9	33.84	7.8	26.1	0.19
F32	02 May 2016	92	9.89	88.14	3.8	33.87	7.8	26.1	0.19
F32	02 May 2016	93	9.87	87.97	3.6	33.88	7.8	26.1	0.19
F32	02 May 2016	94	9.77	89.16	3.6	33.91	7.8	26.1	0.18
F32	02 May 2016	95	9.77	89.26	3.6	33.92	7.8	26.1	0.18
F32	02 May 2016	96	9.77	88.51	3.5	33.94	7.8	26.2	0.18
F32	02 May 2016	97	9.76	88.54	3.4	33.96	7.8	26.2	0.18
F32	02 May 2016	98	9.75	88.26	3.2	33.97	7.8	26.2	0.17
F32	02 May 2016	99	9.75	88.03	3.2	33.97	7.7	26.2	0.17
F32	02 May 2016	100	9.75	88.09	3.1	33.97	7.7	26.2	0.17
F32	02 May 2016	101	9.75	88.08	3.1	33.97	7.7	26.2	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F33	02 May 2016	1	17.69	83.19	7.7	33.56	8.2	24.2	0.28
F33	02 May 2016	2	17.69	87.35	7.7	33.57	8.2	24.3	0.28
F33	02 May 2016	3	17.61	88.14	7.7	33.57	8.2	24.3	0.28
F33	02 May 2016	4	17.59	88.01	7.7	33.56	8.2	24.3	0.28
F33	02 May 2016	5	17.58	88.01	7.7	33.56	8.2	24.3	0.27
F33	02 May 2016	6	17.56	87.95	7.7	33.56	8.2	24.3	0.27
F33	02 May 2016	7	17.55	87.99	7.7	33.56	8.2	24.3	0.29
F33	02 May 2016	8	17.54	87.96	7.7	33.56	8.2	24.3	0.31
F33	02 May 2016	9	17.53	88.04	7.7	33.56	8.2	24.3	0.33
F33	02 May 2016	10	17.44	87.98	7.7	33.57	8.2	24.3	0.34
F33	02 May 2016	11	17.33	87.90	7.7	33.55	8.2	24.3	0.35
F33	02 May 2016	12	17.21	87.85	7.8	33.55	8.2	24.4	0.34
F33	02 May 2016	13	16.90	87.82	7.9	33.58	8.2	24.4	0.35
F33	02 May 2016	14	16.18	88.08	7.9	33.57	8.2	24.6	0.37
F33	02 May 2016	15	15.76	88.44	8.0	33.52	8.2	24.7	0.39
F33	02 May 2016	16	15.59	88.43	8.1	33.52	8.2	24.7	0.40
F33	02 May 2016	17	15.37	88.31	8.2	33.52	8.2	24.7	0.40
F33	02 May 2016	18	15.07	88.21	8.2	33.50	8.2	24.8	0.41
F33	02 May 2016	19	14.83	88.34	8.3	33.50	8.2	24.9	0.40
F33	02 May 2016	20	14.58	88.40	8.3	33.49	8.2	24.9	0.40
F33	02 May 2016	21	14.51	88.16	8.3	33.50	8.2	24.9	0.41
F33	02 May 2016	22	14.10	87.55	8.3	33.49	8.2	25.0	0.44
F33	02 May 2016	23	13.91	85.85	8.1	33.49	8.2	25.0	0.47
F33	02 May 2016	24	13.71	84.04	8.0	33.50	8.1	25.1	0.49
F33	02 May 2016	25	13.35	84.66	7.6	33.47	8.1	25.1	0.63
F33	02 May 2016	26	13.09	85.53	7.0	33.45	8.1	25.2	1.13
F33	02 May 2016	27	12.97	87.10	6.8	33.43	8.1	25.2	1.62
F33	02 May 2016	28	12.74	87.42	6.5	33.44	8.0	25.2	1.87
F33	02 May 2016	29	12.62	87.80	6.3	33.43	8.0	25.3	1.85
F33	02 May 2016	30	12.56	88.21	6.1	33.45	8.0	25.3	1.77
F33	02 May 2016	31	12.44	88.29	5.9	33.47	8.0	25.3	1.61
F33	02 May 2016	32	12.40	88.52	5.7	33.47	8.0	25.3	1.47
F33	02 May 2016	33	12.38	88.81	5.6	33.47	8.0	25.3	1.40
F33	02 May 2016	34	12.24	88.95	5.6	33.47	8.0	25.4	1.27
F33	02 May 2016	35	12.04	89.03	5.6	33.46	8.0	25.4	1.29
F33	02 May 2016	36	12.01	89.14	5.6	33.47	8.0	25.4	1.23
F33	02 May 2016	37	11.97	89.30	5.6	33.52	8.0	25.4	1.22
F33	02 May 2016	38	11.91	89.46	5.3	33.52	7.9	25.5	1.16
F33	02 May 2016	39	11.88	89.65	5.1	33.52	7.9	25.5	1.08
F33	02 May 2016	40	11.77	89.81	5.1	33.55	7.9	25.5	1.00
F33	02 May 2016	41	11.57	89.91	5.0	33.52	7.9	25.5	0.92
F33	02 May 2016	42	11.39	89.96	5.0	33.51	7.9	25.5	0.85
F33	02 May 2016	43	11.22	89.98	5.1	33.47	7.9	25.5	0.77
F33	02 May 2016	44	11.20	89.98	5.2	33.46	7.9	25.5	0.67
F33	02 May 2016	45	11.15	90.08	5.3	33.46	7.9	25.6	0.62
F33	02 May 2016	46	11.11	90.06	5.3	33.47	7.9	25.6	0.60
F33	02 May 2016	47	11.01	90.09	5.3	33.49	7.9	25.6	0.58
F33	02 May 2016	48	10.98	90.06	5.2	33.50	7.9	25.6	0.58
F33	02 May 2016	49	10.95	90.12	5.2	33.51	7.9	25.6	0.56
F33	02 May 2016	50	10.92	90.10	5.1	33.51	7.9	25.6	0.54
F33	02 May 2016	51	10.89	90.04	5.1	33.53	7.9	25.7	0.49
F33	02 May 2016	52	10.80	90.16	5.1	33.56	7.9	25.7	0.48
F33	02 May 2016	53	10.74	90.18	5.0	33.58	7.9	25.7	0.48
F33	02 May 2016	54	10.74	90.19	4.9	33.59	7.9	25.7	0.44

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F33	02 May 2016	55	10.75	90.18	4.8	33.59	7.9	25.7	0.39
F33	02 May 2016	56	10.76	90.18	4.7	33.60	7.9	25.7	0.35
F33	02 May 2016	57	10.77	90.19	4.7	33.60	7.9	25.7	0.32
F33	02 May 2016	58	10.77	90.17	4.7	33.61	7.9	25.7	0.32
F33	02 May 2016	59	10.76	90.14	4.7	33.62	7.9	25.7	0.31
F33	02 May 2016	60	10.65	90.18	4.6	33.65	7.9	25.8	0.32
F33	02 May 2016	61	10.51	90.18	4.6	33.63	7.9	25.8	0.30
F33	02 May 2016	62	10.47	90.15	4.6	33.63	7.9	25.8	0.29
F33	02 May 2016	63	10.46	90.09	4.6	33.63	7.9	25.8	0.31
F33	02 May 2016	64	10.43	90.04	4.6	33.65	7.9	25.8	0.27
F33	02 May 2016	65	10.43	89.84	4.6	33.67	7.8	25.8	0.26
F33	02 May 2016	66	10.46	89.57	4.4	33.69	7.8	25.8	0.26
F33	02 May 2016	67	10.48	89.20	4.2	33.69	7.8	25.8	0.25
F33	02 May 2016	68	10.48	89.07	4.1	33.71	7.8	25.9	0.23
F33	02 May 2016	69	10.35	89.36	4.0	33.71	7.8	25.9	0.24
F33	02 May 2016	70	10.30	89.70	4.1	33.70	7.8	25.9	0.23
F33	02 May 2016	71	10.29	89.84	4.2	33.70	7.8	25.9	0.23
F33	02 May 2016	72	10.28	89.89	4.2	33.70	7.8	25.9	0.23
F33	02 May 2016	73	10.29	89.99	4.3	33.71	7.8	25.9	0.21
F33	02 May 2016	74	10.30	90.08	4.3	33.71	7.8	25.9	0.20
F33	02 May 2016	75	10.30	90.09	4.3	33.76	7.8	25.9	0.20
F33	02 May 2016	76	10.24	90.08	4.2	33.78	7.8	26.0	0.19
F33	02 May 2016	77	10.22	90.04	4.0	33.78	7.8	26.0	0.19
F33	02 May 2016	78	10.20	90.10	4.0	33.78	7.8	26.0	0.19
F33	02 May 2016	79	10.18	90.12	4.0	33.78	7.8	26.0	0.17
F33	02 May 2016	80	10.13	90.09	4.0	33.79	7.8	26.0	0.17
F33	02 May 2016	81	10.03	90.05	4.0	33.80	7.8	26.0	0.17
F33	02 May 2016	82	10.00	89.91	4.0	33.80	7.8	26.0	0.18
F33	02 May 2016	83	10.00	89.72	4.0	33.80	7.8	26.0	0.18
F33	02 May 2016	84	10.00	89.54	3.9	33.81	7.8	26.0	0.18
F33	02 May 2016	85	10.00	89.57	3.9	33.81	7.8	26.0	0.18
F33	02 May 2016	86	10.00	89.50	3.9	33.81	7.8	26.0	0.17
F33	02 May 2016	87	10.00	89.40	3.9	33.81	7.8	26.0	0.18
F33	02 May 2016	88	9.99	89.14	3.9	33.83	7.8	26.0	0.18
F33	02 May 2016	89	9.96	88.54	3.8	33.84	7.8	26.1	0.18
F33	02 May 2016	90	9.94	88.26	3.8	33.86	7.8	26.1	0.17
F33	02 May 2016	91	9.93	88.13	3.7	33.87	7.8	26.1	0.17
F33	02 May 2016	92	9.92	88.05	3.6	33.87	7.8	26.1	0.17
F33	02 May 2016	93	9.92	87.91	3.6	33.88	7.8	26.1	0.17
F33	02 May 2016	94	9.90	87.83	3.6	33.89	7.8	26.1	0.17
F33	02 May 2016	95	9.86	87.80	3.5	33.91	7.8	26.1	0.17
F33	02 May 2016	96	9.82	88.73	3.5	33.91	7.8	26.1	0.17
F33	02 May 2016	97	9.81	89.15	3.5	33.91	7.8	26.1	0.17
F33	02 May 2016	98	9.82	88.44	3.5	33.92	7.8	26.1	0.17
F33	02 May 2016	99	9.81	88.21	3.4	33.93	7.8	26.1	0.15
F33	02 May 2016	100	9.80	88.24	3.4	33.94	7.8	26.2	0.15
F33	02 May 2016	101	9.79	87.91	3.3	33.95	7.8	26.2	0.16
F34	02 May 2016	1	17.74	88.06	7.7	33.57	8.2	24.2	0.27
F34	02 May 2016	2	17.72	88.09	7.7	33.57	8.2	24.2	0.27
F34	02 May 2016	3	17.68	88.07	7.7	33.57	8.2	24.3	0.27
F34	02 May 2016	4	17.63	87.99	7.7	33.57	8.2	24.3	0.27
F34	02 May 2016	5	17.61	87.86	7.7	33.57	8.2	24.3	0.27
F34	02 May 2016	6	17.60	87.89	7.7	33.57	8.2	24.3	0.27
F34	02 May 2016	7	17.58	87.69	7.7	33.57	8.2	24.3	0.27



Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F34	02 May 2016	8	17.44	87.83	7.7	33.59	8.2	24.3	0.29
F34	02 May 2016	9	17.16	88.03	7.7	33.56	8.2	24.4	0.29
F34	02 May 2016	10	16.82	88.28	7.7	33.57	8.2	24.5	0.31
F34	02 May 2016	11	16.29	88.35	7.9	33.57	8.2	24.6	0.32
F34	02 May 2016	12	16.10	88.53	8.0	33.52	8.2	24.6	0.31
F34	02 May 2016	13	16.05	88.53	8.0	33.52	8.2	24.6	0.30
F34	02 May 2016	14	15.89	88.47	8.1	33.54	8.2	24.6	0.33
F34	02 May 2016	15	15.46	88.23	8.2	33.53	8.2	24.7	0.33
F34	02 May 2016	16	15.05	87.49	8.1	33.52	8.2	24.8	0.34
F34	02 May 2016	17	14.70	87.58	8.2	33.51	8.2	24.9	0.36
F34	02 May 2016	18	14.53	87.97	8.2	33.48	8.2	24.9	0.39
F34	02 May 2016	19	14.38	88.07	8.2	33.48	8.2	24.9	0.74
F34	02 May 2016	20	14.17	87.69	8.3	33.48	8.2	25.0	0.72
F34	02 May 2016	21	13.98	86.93	8.2	33.47	8.2	25.0	0.68
F34	02 May 2016	22	13.89	85.90	8.2	33.47	8.2	25.0	0.57
F34	02 May 2016	23	13.77	85.45	7.9	33.50	8.1	25.1	0.60
F34	02 May 2016	24	13.51	83.70	7.7	33.49	8.1	25.1	0.71
F34	02 May 2016	25	13.41	85.25	7.3	33.47	8.1	25.1	1.13
F34	02 May 2016	26	13.38	86.09	6.8	33.47	8.1	25.1	1.81
F34	02 May 2016	27	13.28	86.33	6.7	33.48	8.1	25.2	2.28
F34	02 May 2016	28	13.09	86.57	6.7	33.48	8.1	25.2	2.30
F34	02 May 2016	29	12.84	87.41	6.6	33.46	8.0	25.2	2.16
F34	02 May 2016	30	12.63	87.80	6.3	33.44	8.0	25.3	2.11
F34	02 May 2016	31	12.51	88.10	6.1	33.44	8.0	25.3	2.08
F34	02 May 2016	32	12.39	88.34	5.9	33.43	8.0	25.3	1.90
F34	02 May 2016	33	12.36	88.46	5.8	33.43	8.0	25.3	1.67
F34	02 May 2016	34	12.36	88.75	5.8	33.44	8.0	25.3	1.52
F34	02 May 2016	35	12.37	88.77	5.7	33.47	8.0	25.3	1.43
F34	02 May 2016	36	12.19	88.86	5.6	33.50	8.0	25.4	1.38
F34	02 May 2016	37	12.07	89.22	5.5	33.52	8.0	25.4	1.29
F34	02 May 2016	38	11.91	89.56	5.3	33.52	7.9	25.5	1.27
F34	02 May 2016	39	11.72	89.69	5.1	33.51	7.9	25.5	1.23
F34	02 May 2016	40	11.37	89.80	5.1	33.49	7.9	25.5	1.13
F34	02 May 2016	41	11.18	89.85	5.2	33.43	8.0	25.5	1.04
F34	02 May 2016	42	11.16	89.94	5.4	33.43	8.0	25.5	0.94
F34	02 May 2016	43	11.13	89.96	5.5	33.44	8.0	25.5	0.83
F34	02 May 2016	44	11.10	89.96	5.5	33.44	7.9	25.5	0.77
F34	02 May 2016	45	11.08	90.00	5.4	33.44	7.9	25.6	0.71
F34	02 May 2016	46	11.06	90.02	5.4	33.45	7.9	25.6	0.68
F34	02 May 2016	47	11.05	90.03	5.4	33.45	7.9	25.6	0.66
F34	02 May 2016	48	11.03	90.04	5.4	33.46	7.9	25.6	0.62
F34	02 May 2016	49	10.99	90.05	5.4	33.46	7.9	25.6	0.61
F34	02 May 2016	50	10.97	90.07	5.3	33.47	7.9	25.6	0.59
F34	02 May 2016	51	10.95	90.08	5.3	33.48	7.9	25.6	0.58
F34	02 May 2016	52	10.88	90.10	5.2	33.51	7.9	25.6	0.58
F34	02 May 2016	53	10.80	90.16	5.2	33.54	7.9	25.7	0.55
F34	02 May 2016	54	10.74	90.20	5.1	33.54	7.9	25.7	0.54
F34	02 May 2016	55	10.71	90.19	5.0	33.54	7.9	25.7	0.51
F34	02 May 2016	56	10.70	90.19	5.0	33.54	7.9	25.7	0.45
F34	02 May 2016	57	10.69	90.10	5.0	33.55	7.9	25.7	0.44
F34	02 May 2016	58	10.71	90.19	5.0	33.56	7.9	25.7	0.37
F34	02 May 2016	59	10.72	90.20	5.0	33.58	7.9	25.7	0.35
F34	02 May 2016	60	10.71	90.18	4.9	33.59	7.9	25.7	0.36
F34	02 May 2016	61	10.67	90.20	4.8	33.59	7.9	25.7	0.33
F34	02 May 2016	62	10.71	90.19	4.8	33.61	7.9	25.7	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F34	02 May 2016	63	10.72	90.20	4.7	33.62	7.9	25.7	0.31
F34	02 May 2016	64	10.73	90.16	4.7	33.62	7.9	25.7	0.30
F34	02 May 2016	65	10.73	90.17	4.6	33.62	7.9	25.8	0.30
F34	02 May 2016	66	10.65	90.18	4.6	33.66	7.9	25.8	0.28
F34	02 May 2016	67	10.59	90.18	4.5	33.66	7.9	25.8	0.27
F34	02 May 2016	68	10.57	90.21	4.5	33.67	7.9	25.8	0.26
F34	02 May 2016	69	10.49	90.21	4.5	33.68	7.8	25.8	0.26
F34	02 May 2016	70	10.43	90.21	4.4	33.66	7.8	25.8	0.24
F34	02 May 2016	71	10.40	90.22	4.4	33.66	7.8	25.8	0.23
F34	02 May 2016	72	10.39	90.19	4.5	33.66	7.8	25.8	0.22
F34	02 May 2016	73	10.35	89.99	4.5	33.68	7.8	25.9	0.21
F34	02 May 2016	74	10.28	89.86	4.4	33.68	7.8	25.9	0.19
F34	02 May 2016	75	10.28	90.08	4.4	33.68	7.8	25.9	0.20
F34	02 May 2016	76	10.28	90.14	4.3	33.70	7.8	25.9	0.20
F34	02 May 2016	77	10.26	90.15	4.3	33.72	7.8	25.9	0.20
F34	02 May 2016	78	10.23	90.11	4.3	33.74	7.8	25.9	0.20
F34	02 May 2016	79	10.22	90.07	4.2	33.77	7.8	26.0	0.20
F34	02 May 2016	80	10.16	89.90	4.1	33.78	7.8	26.0	0.17
F34	02 May 2016	81	10.11	89.56	4.0	33.77	7.8	26.0	0.17
F34	02 May 2016	82	10.11	89.21	4.0	33.77	7.8	26.0	0.17
F34	02 May 2016	83	10.09	89.18	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	84	10.07	88.97	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	85	10.07	88.88	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	86	10.08	88.89	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	87	10.08	88.87	4.0	33.78	7.8	26.0	0.17
F34	02 May 2016	88	10.07	88.83	4.0	33.78	7.8	26.0	0.20
F34	02 May 2016	89	10.07	88.80	4.0	33.78	7.8	26.0	0.18
F34	02 May 2016	90	10.06	88.76	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	91	10.06	88.70	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	92	10.05	88.61	4.0	33.78	7.8	26.0	0.16
F34	02 May 2016	93	10.04	88.57	4.0	33.79	7.8	26.0	0.16
F34	02 May 2016	94	10.03	88.50	4.0	33.80	7.8	26.0	0.16
F34	02 May 2016	95	10.01	88.44	4.0	33.81	7.8	26.0	0.17
F34	02 May 2016	96	9.99	88.45	3.9	33.83	7.8	26.0	0.16
F34	02 May 2016	97	9.94	87.75	3.8	33.87	7.8	26.1	0.16
F34	02 May 2016	98	9.92	86.37	3.7	33.88	7.8	26.1	0.16
F34	02 May 2016	99	9.92	86.31	3.5	33.88	7.8	26.1	0.15
F34	02 May 2016	100	9.92	86.24	3.5	33.88	7.8	26.1	0.15
F34	02 May 2016	101	9.91	86.14	3.5	33.88	7.8	26.1	0.15
F35	02 May 2016	1	17.75	88.05	7.7	33.57	8.2	24.2	0.25
F35	02 May 2016	2	17.74	88.07	7.7	33.57	8.2	24.2	0.25
F35	02 May 2016	3	17.69	88.07	7.7	33.57	8.2	24.3	0.25
F35	02 May 2016	4	17.67	87.95	7.8	33.57	8.2	24.3	0.25
F35	02 May 2016	5	17.63	87.89	7.8	33.57	8.2	24.3	0.25
F35	02 May 2016	6	17.61	87.84	7.7	33.57	8.2	24.3	0.25
F35	02 May 2016	7	17.35	87.75	7.7	33.59	8.2	24.4	0.26
F35	02 May 2016	8	17.01	87.80	7.8	33.58	8.2	24.4	0.28
F35	02 May 2016	9	16.61	88.19	7.8	33.56	8.2	24.5	0.29
F35	02 May 2016	10	16.38	88.22	7.9	33.53	8.2	24.5	0.30
F35	02 May 2016	11	16.33	88.39	8.0	33.52	8.2	24.5	0.31
F35	02 May 2016	12	16.27	88.61	8.1	33.52	8.2	24.6	0.31
F35	02 May 2016	13	16.17	88.55	8.1	33.52	8.2	24.6	0.31
F35	02 May 2016	14	16.05	88.41	8.1	33.53	8.2	24.6	0.31
F35	02 May 2016	15	15.90	88.42	8.1	33.52	8.2	24.6	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F35	02 May 2016	16	15.81	88.44	8.0	33.51	8.2	24.6	0.31
F35	02 May 2016	17	15.75	88.27	8.1	33.52	8.2	24.7	0.33
F35	02 May 2016	18	15.52	88.28	8.1	33.53	8.2	24.7	0.37
F35	02 May 2016	19	15.25	88.06	8.1	33.54	8.2	24.8	0.39
F35	02 May 2016	20	14.84	87.70	8.2	33.53	8.2	24.9	0.40
F35	02 May 2016	21	14.43	87.05	8.1	33.52	8.2	25.0	0.43
F35	02 May 2016	22	14.04	86.62	8.1	33.50	8.2	25.0	0.47
F35	02 May 2016	23	13.83	85.49	8.1	33.48	8.2	25.0	0.56
F35	02 May 2016	24	13.72	84.84	7.9	33.47	8.1	25.1	0.75
F35	02 May 2016	25	13.54	84.44	7.7	33.48	8.1	25.1	1.03
F35	02 May 2016	26	13.24	85.28	7.6	33.46	8.1	25.2	1.19
F35	02 May 2016	27	13.07	85.99	7.2	33.46	8.1	25.2	1.54
F35	02 May 2016	28	12.92	87.27	6.6	33.47	8.0	25.2	1.86
F35	02 May 2016	29	12.86	87.59	6.2	33.47	8.0	25.2	2.20
F35	02 May 2016	30	12.81	87.66	5.9	33.47	8.0	25.2	2.37
F35	02 May 2016	31	12.69	87.73	5.7	33.49	8.0	25.3	2.11
F35	02 May 2016	32	12.34	88.06	5.6	33.48	8.0	25.3	1.79
F35	02 May 2016	33	12.20	88.76	5.6	33.45	8.0	25.3	1.66
F35	02 May 2016	34	12.10	89.14	5.6	33.46	8.0	25.4	1.57
F35	02 May 2016	35	12.02	89.28	5.6	33.48	8.0	25.4	1.58
F35	02 May 2016	36	11.95	89.39	5.5	33.49	8.0	25.4	1.45
F35	02 May 2016	37	11.70	89.54	5.3	33.48	8.0	25.5	1.23
F35	02 May 2016	38	11.59	89.64	5.3	33.45	8.0	25.5	1.06
F35	02 May 2016	39	11.56	89.65	5.3	33.45	8.0	25.5	0.97
F35	02 May 2016	40	11.48	89.67	5.4	33.45	8.0	25.5	0.89
F35	02 May 2016	41	11.31	89.69	5.5	33.45	8.0	25.5	0.86
F35	02 May 2016	42	11.21	89.76	5.4	33.45	8.0	25.5	0.93
F35	02 May 2016	43	11.17	89.86	5.4	33.44	7.9	25.5	0.84
F35	02 May 2016	44	11.10	89.86	5.4	33.45	7.9	25.6	0.86
F35	02 May 2016	45	11.07	89.99	5.4	33.45	7.9	25.6	0.78
F35	02 May 2016	46	11.06	89.92	5.4	33.45	7.9	25.6	0.76
F35	02 May 2016	47	11.04	90.01	5.4	33.46	7.9	25.6	0.72
F35	02 May 2016	48	11.02	90.03	5.3	33.47	7.9	25.6	0.67
F35	02 May 2016	49	10.96	90.03	5.3	33.48	7.9	25.6	0.63
F35	02 May 2016	50	10.94	90.05	5.2	33.49	7.9	25.6	0.60
F35	02 May 2016	51	10.86	90.07	5.2	33.51	7.9	25.6	0.57
F35	02 May 2016	52	10.82	90.12	5.2	33.50	7.9	25.6	0.55
F35	02 May 2016	53	10.84	90.12	5.2	33.51	7.9	25.6	0.54
F35	02 May 2016	54	10.81	90.15	5.2	33.53	7.9	25.7	0.50
F35	02 May 2016	55	10.75	90.13	5.1	33.53	7.9	25.7	0.46
F35	02 May 2016	56	10.69	90.17	5.1	33.54	7.9	25.7	0.43
F35	02 May 2016	57	10.69	90.19	5.0	33.54	7.9	25.7	0.42
F35	02 May 2016	58	10.70	90.19	5.0	33.54	7.9	25.7	0.41
F35	02 May 2016	59	10.70	90.20	5.0	33.54	7.9	25.7	0.39
F35	02 May 2016	60	10.70	90.08	5.0	33.55	7.9	25.7	0.37
F35	02 May 2016	61	10.69	90.21	5.0	33.55	7.9	25.7	0.35
F35	02 May 2016	62	10.67	90.23	5.0	33.56	7.9	25.7	0.35
F35	02 May 2016	63	10.66	90.25	5.0	33.56	7.9	25.7	0.34
F35	02 May 2016	64	10.65	90.25	4.9	33.57	7.9	25.7	0.35
F35	02 May 2016	65	10.64	90.26	4.9	33.58	7.9	25.7	0.32
F35	02 May 2016	66	10.64	90.25	4.8	33.59	7.9	25.7	0.32
F35	02 May 2016	67	10.64	90.30	4.8	33.59	7.9	25.7	0.30
F35	02 May 2016	68	10.64	90.26	4.8	33.59	7.9	25.7	0.28
F35	02 May 2016	69	10.63	90.28	4.8	33.60	7.9	25.8	0.27
F35	02 May 2016	70	10.62	90.28	4.7	33.62	7.9	25.8	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F35	02 May 2016	71	10.63	90.26	4.7	33.65	7.9	25.8	0.25
F35	02 May 2016	72	10.65	90.24	4.6	33.68	7.8	25.8	0.25
F35	02 May 2016	73	10.64	90.23	4.5	33.69	7.8	25.8	0.24
F35	02 May 2016	74	10.64	90.04	4.4	33.70	7.8	25.8	0.24
F35	02 May 2016	75	10.61	90.14	4.3	33.71	7.8	25.8	0.21
F35	02 May 2016	76	10.57	90.18	4.3	33.71	7.8	25.8	0.21
F35	02 May 2016	77	10.52	90.11	4.2	33.71	7.8	25.9	0.19
F35	02 May 2016	78	10.44	90.17	4.2	33.71	7.8	25.9	0.20
F35	02 May 2016	79	10.42	90.25	4.3	33.71	7.8	25.9	0.19
F35	02 May 2016	80	10.47	90.19	4.3	33.74	7.8	25.9	0.18
F35	02 May 2016	81	10.44	90.15	4.3	33.78	7.8	25.9	0.18
F35	02 May 2016	82	10.39	90.06	4.2	33.78	7.8	25.9	0.19
F35	02 May 2016	83	10.35	90.07	4.0	33.79	7.8	25.9	0.18
F35	02 May 2016	84	10.31	90.08	3.9	33.80	7.8	26.0	0.18
F35	02 May 2016	85	10.25	90.08	3.9	33.80	7.8	26.0	0.17
F35	02 May 2016	86	10.24	90.10	3.9	33.79	7.8	26.0	0.17
F35	02 May 2016	87	10.22	90.12	3.9	33.79	7.8	26.0	0.16
F35	02 May 2016	88	10.21	90.12	3.9	33.79	7.8	26.0	0.16
F35	02 May 2016	89	10.19	90.10	3.9	33.79	7.8	26.0	0.16
F35	02 May 2016	90	10.15	90.10	4.0	33.79	7.8	26.0	0.15
F35	02 May 2016	91	10.14	90.10	3.9	33.79	7.8	26.0	0.16
F35	02 May 2016	92	10.11	90.07	4.0	33.79	7.8	26.0	0.16
F35	02 May 2016	93	10.08	90.03	4.0	33.79	7.8	26.0	0.16
F35	02 May 2016	94	10.06	89.99	4.0	33.80	7.8	26.0	0.16
F35	02 May 2016	95	9.95	89.70	4.0	33.82	7.8	26.0	0.16
F35	02 May 2016	96	9.90	88.86	3.9	33.83	7.8	26.1	0.15
F35	02 May 2016	97	9.86	88.49	3.9	33.85	7.8	26.1	0.16
F35	02 May 2016	98	9.84	88.19	3.8	33.86	7.8	26.1	0.16
F35	02 May 2016	99	9.84	86.63	3.8	33.88	7.8	26.1	0.16
F35	02 May 2016	100	9.84	86.02	3.7	33.89	7.8	26.1	0.15
F36	02 May 2016	1	17.72	87.83	7.7	33.57	8.2	24.2	0.26
F36	02 May 2016	2	17.73	87.91	7.8	33.57	8.2	24.2	0.26
F36	02 May 2016	3	17.69	87.90	7.8	33.57	8.2	24.3	0.27
F36	02 May 2016	4	17.65	87.77	7.8	33.57	8.2	24.3	0.27
F36	02 May 2016	5	17.64	87.69	7.8	33.57	8.2	24.3	0.26
F36	02 May 2016	6	17.63	87.60	7.8	33.57	8.2	24.3	0.27
F36	02 May 2016	7	17.63	87.47	7.7	33.57	8.2	24.3	0.27
F36	02 May 2016	8	17.61	87.50	7.7	33.57	8.2	24.3	0.30
F36	02 May 2016	9	17.47	87.41	7.7	33.58	8.2	24.3	0.31
F36	02 May 2016	10	17.24	87.69	7.7	33.57	8.2	24.4	0.32
F36	02 May 2016	11	16.83	88.13	7.8	33.59	8.2	24.5	0.34
F36	02 May 2016	12	16.42	88.35	8.0	33.55	8.2	24.5	0.35
F36	02 May 2016	13	16.29	88.29	8.0	33.52	8.2	24.5	0.37
F36	02 May 2016	14	16.20	88.58	8.1	33.53	8.2	24.6	0.37
F36	02 May 2016	15	16.00	88.64	8.1	33.53	8.2	24.6	0.36
F36	02 May 2016	16	15.85	88.46	8.0	33.52	8.2	24.6	0.34
F36	02 May 2016	17	15.73	88.38	8.1	33.51	8.2	24.7	0.34
F36	02 May 2016	18	15.69	88.37	8.1	33.51	8.2	24.7	0.34
F36	02 May 2016	19	15.63	88.31	8.1	33.51	8.2	24.7	0.34
F36	02 May 2016	20	15.57	88.18	8.2	33.51	8.2	24.7	0.36
F36	02 May 2016	21	15.50	88.13	8.1	33.52	8.2	24.7	0.43
F36	02 May 2016	22	15.33	87.93	8.1	33.52	8.2	24.8	0.45
F36	02 May 2016	23	15.13	87.66	8.1	33.52	8.2	24.8	0.48
F36	02 May 2016	24	14.55	86.52	8.2	33.56	8.2	25.0	0.53

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F36	02 May 2016	25	14.20	85.50	8.1	33.50	8.2	25.0	0.57
F36	02 May 2016	26	14.01	84.94	8.1	33.50	8.2	25.0	0.62
F36	02 May 2016	27	13.81	85.05	8.0	33.49	8.1	25.1	0.83
F36	02 May 2016	28	13.67	85.07	7.8	33.49	8.1	25.1	1.03
F36	02 May 2016	29	13.33	85.69	7.5	33.49	8.1	25.2	1.33
F36	02 May 2016	30	13.03	86.74	7.2	33.46	8.1	25.2	1.76
F36	02 May 2016	31	12.88	87.46	6.7	33.46	8.0	25.2	2.20
F36	02 May 2016	32	12.73	88.14	6.2	33.47	8.0	25.3	2.41
F36	02 May 2016	33	12.39	88.66	5.8	33.48	8.0	25.3	2.39
F36	02 May 2016	34	12.17	88.94	5.6	33.46	8.0	25.4	2.15
F36	02 May 2016	35	12.05	89.08	5.4	33.44	8.0	25.4	1.79
F36	02 May 2016	36	12.01	89.15	5.4	33.45	8.0	25.4	1.77
F36	02 May 2016	37	11.90	89.36	5.4	33.47	8.0	25.4	1.29
F36	02 May 2016	38	11.82	89.60	5.4	33.48	7.9	25.4	1.15
F36	02 May 2016	39	11.62	89.57	5.3	33.48	7.9	25.5	1.03
F36	02 May 2016	40	11.45	89.67	5.3	33.45	8.0	25.5	0.98
F36	02 May 2016	41	11.36	89.68	5.4	33.43	8.0	25.5	0.92
F36	02 May 2016	42	11.30	89.77	5.5	33.43	8.0	25.5	0.85
F36	02 May 2016	43	11.22	89.86	5.5	33.44	7.9	25.5	0.83
F36	02 May 2016	44	11.20	89.95	5.5	33.45	7.9	25.5	0.82
F36	02 May 2016	45	11.18	89.96	5.4	33.45	7.9	25.5	0.77
F36	02 May 2016	46	11.14	89.86	5.4	33.45	7.9	25.5	0.70
F36	02 May 2016	47	11.12	90.01	5.4	33.46	7.9	25.6	0.68
F36	02 May 2016	48	11.07	90.02	5.3	33.47	7.9	25.6	0.65
F36	02 May 2016	49	11.03	90.02	5.3	33.48	7.9	25.6	0.60
F36	02 May 2016	50	11.01	90.04	5.2	33.49	7.9	25.6	0.56
F36	02 May 2016	51	10.93	90.06	5.2	33.49	7.9	25.6	0.56
F36	02 May 2016	52	10.92	90.09	5.2	33.49	7.9	25.6	0.54
F36	02 May 2016	53	10.79	90.12	5.2	33.49	7.9	25.6	0.51
F36	02 May 2016	54	10.71	90.16	5.2	33.48	7.9	25.6	0.49
F36	02 May 2016	55	10.68	90.19	5.2	33.49	7.9	25.7	0.45
F36	02 May 2016	56	10.67	90.19	5.3	33.50	7.9	25.7	0.45
F36	02 May 2016	57	10.67	90.22	5.2	33.51	7.9	25.7	0.43
F36	02 May 2016	58	10.69	90.21	5.2	33.54	7.9	25.7	0.42
F36	02 May 2016	59	10.68	90.21	5.0	33.55	7.9	25.7	0.39
F36	02 May 2016	60	10.66	90.23	5.0	33.55	7.9	25.7	0.37
F36	02 May 2016	61	10.66	90.24	5.0	33.55	7.9	25.7	0.34
F36	02 May 2016	62	10.66	90.25	4.9	33.56	7.9	25.7	0.32
F36	02 May 2016	63	10.66	90.25	4.9	33.57	7.9	25.7	0.31
F36	02 May 2016	64	10.67	90.27	4.9	33.57	7.9	25.7	0.31
F36	02 May 2016	65	10.67	90.21	4.8	33.57	7.9	25.7	0.29
F36	02 May 2016	66	10.67	90.25	4.8	33.58	7.9	25.7	0.27
F36	02 May 2016	67	10.67	90.26	4.8	33.58	7.9	25.7	0.27
F36	02 May 2016	68	10.67	90.25	4.8	33.58	7.9	25.7	0.27
F36	02 May 2016	69	10.67	90.28	4.8	33.58	7.9	25.7	0.26
F36	02 May 2016	70	10.67	90.25	4.8	33.59	7.9	25.7	0.27
F36	02 May 2016	71	10.67	90.26	4.8	33.59	7.9	25.7	0.25
F36	02 May 2016	72	10.68	90.25	4.8	33.61	7.9	25.8	0.26
F36	02 May 2016	73	10.66	89.87	4.7	33.66	7.9	25.8	0.25
F36	02 May 2016	74	10.63	90.22	4.6	33.67	7.8	25.8	0.24
F36	02 May 2016	75	10.64	90.22	4.5	33.67	7.8	25.8	0.26
F36	02 May 2016	76	10.64	90.24	4.4	33.68	7.8	25.8	0.24
F36	02 May 2016	77	10.63	90.20	4.3	33.69	7.8	25.8	0.21
F36	02 May 2016	78	10.62	90.22	4.3	33.70	7.8	25.8	0.20
F36	02 May 2016	79	10.61	90.21	4.3	33.72	7.8	25.9	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
F36	02 May 2016	80	10.60	90.21	4.2	33.73	7.8	25.9	0.19
F36	02 May 2016	81	10.56	90.18	4.2	33.74	7.8	25.9	0.18
F36	02 May 2016	82	10.50	90.21	4.2	33.73	7.8	25.9	0.18
F36	02 May 2016	83	10.48	90.20	4.1	33.75	7.8	25.9	0.18
F36	02 May 2016	84	10.46	90.17	4.1	33.77	7.8	25.9	0.18
F36	02 May 2016	85	10.38	90.12	4.1	33.79	7.8	25.9	0.17
F36	02 May 2016	86	10.36	90.03	4.0	33.79	7.8	25.9	0.17
F36	02 May 2016	87	10.31	89.90	3.9	33.79	7.8	26.0	0.16
F36	02 May 2016	88	10.28	90.11	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	89	10.23	89.85	3.9	33.80	7.8	26.0	0.17
F36	02 May 2016	90	10.20	90.08	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	91	10.19	90.10	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	92	10.18	90.12	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	93	10.18	90.09	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	94	10.14	90.08	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	95	10.09	90.09	3.9	33.80	7.8	26.0	0.15
F36	02 May 2016	96	10.03	90.07	3.9	33.80	7.8	26.0	0.16
F36	02 May 2016	97	9.99	90.04	4.0	33.80	7.8	26.0	0.15
F36	02 May 2016	98	9.89	89.59	4.0	33.83	7.8	26.1	0.15
F36	02 May 2016	99	9.83	88.60	3.9	33.86	7.8	26.1	0.15

NA = not available

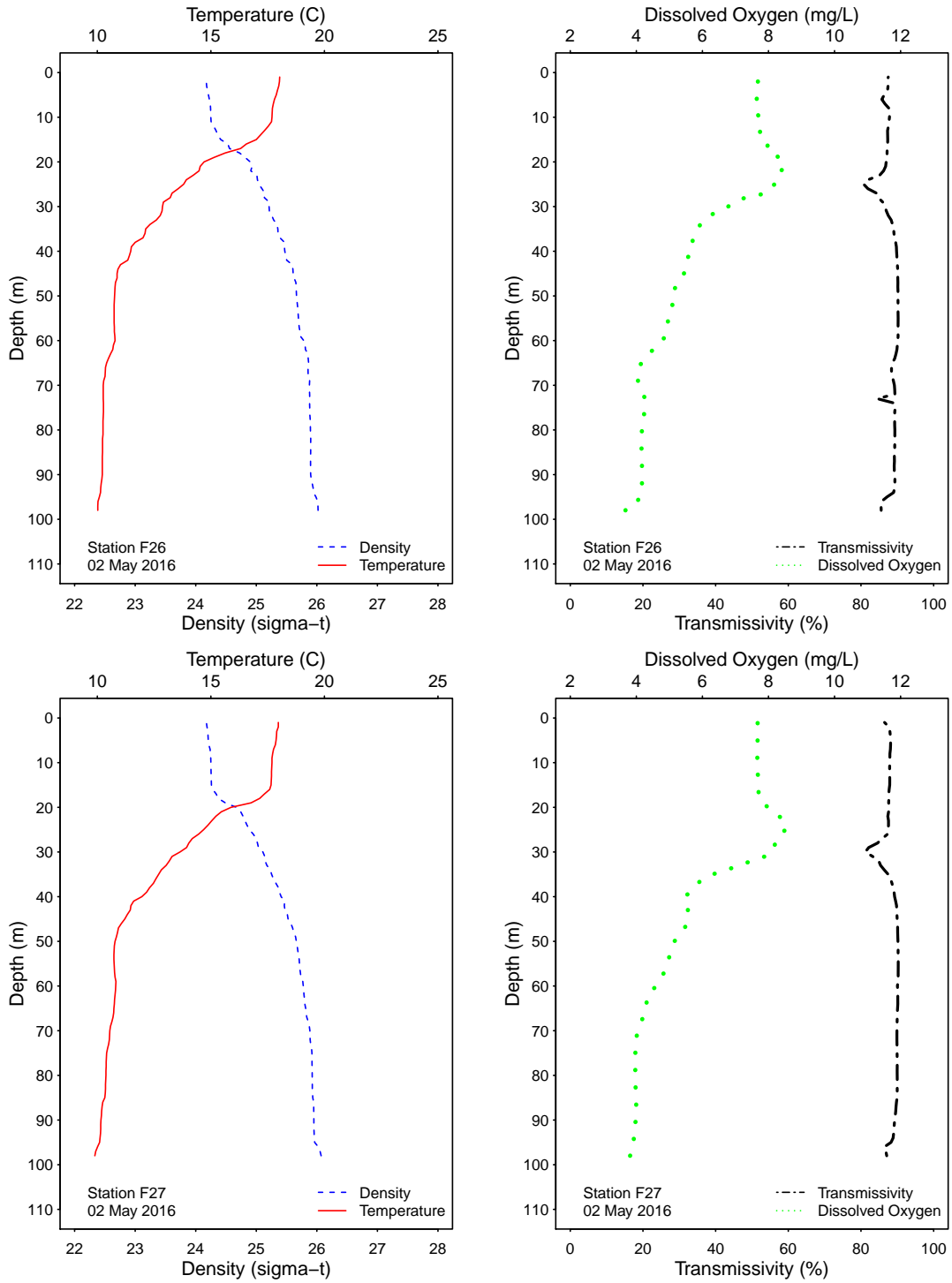


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

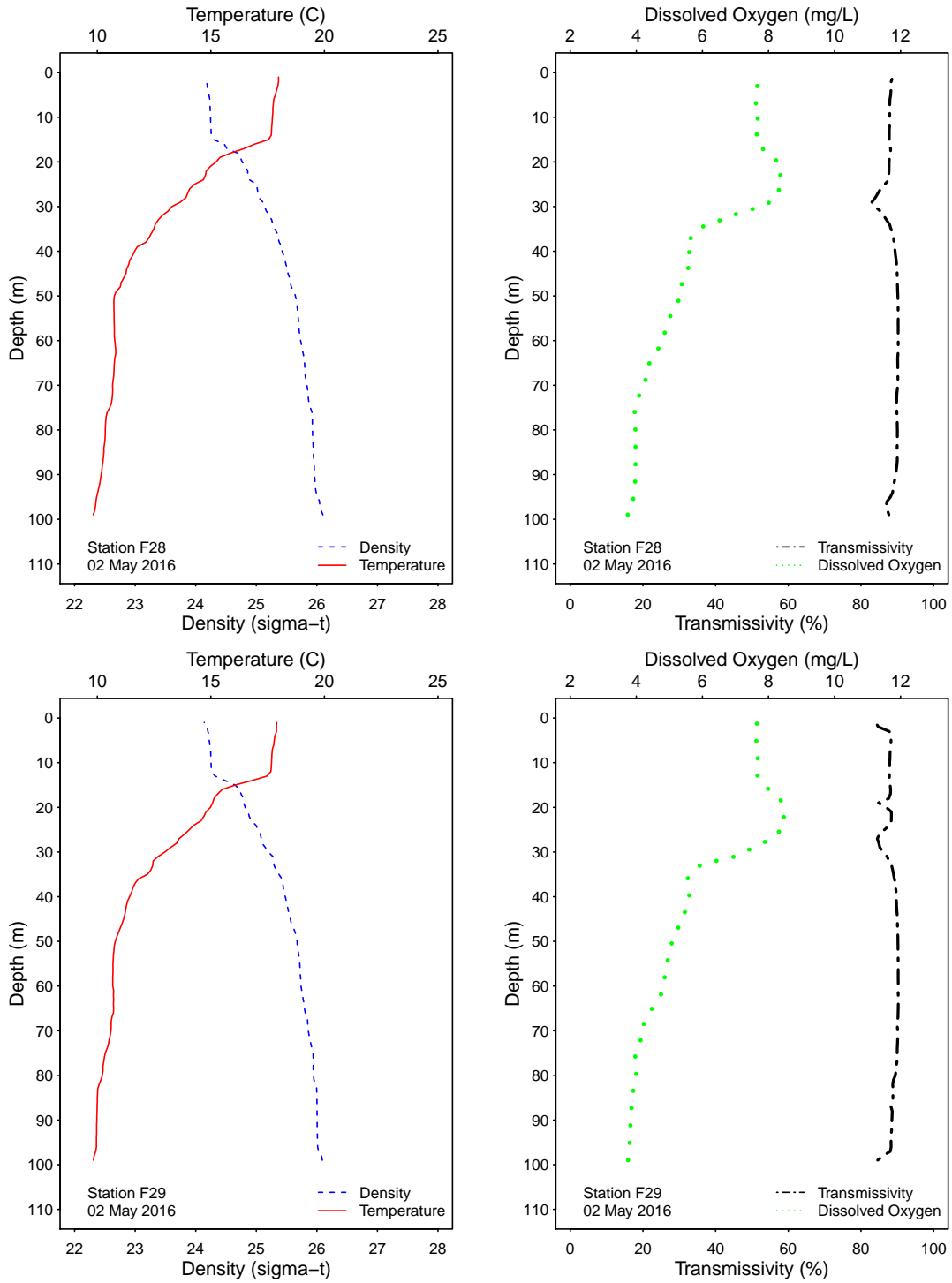


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



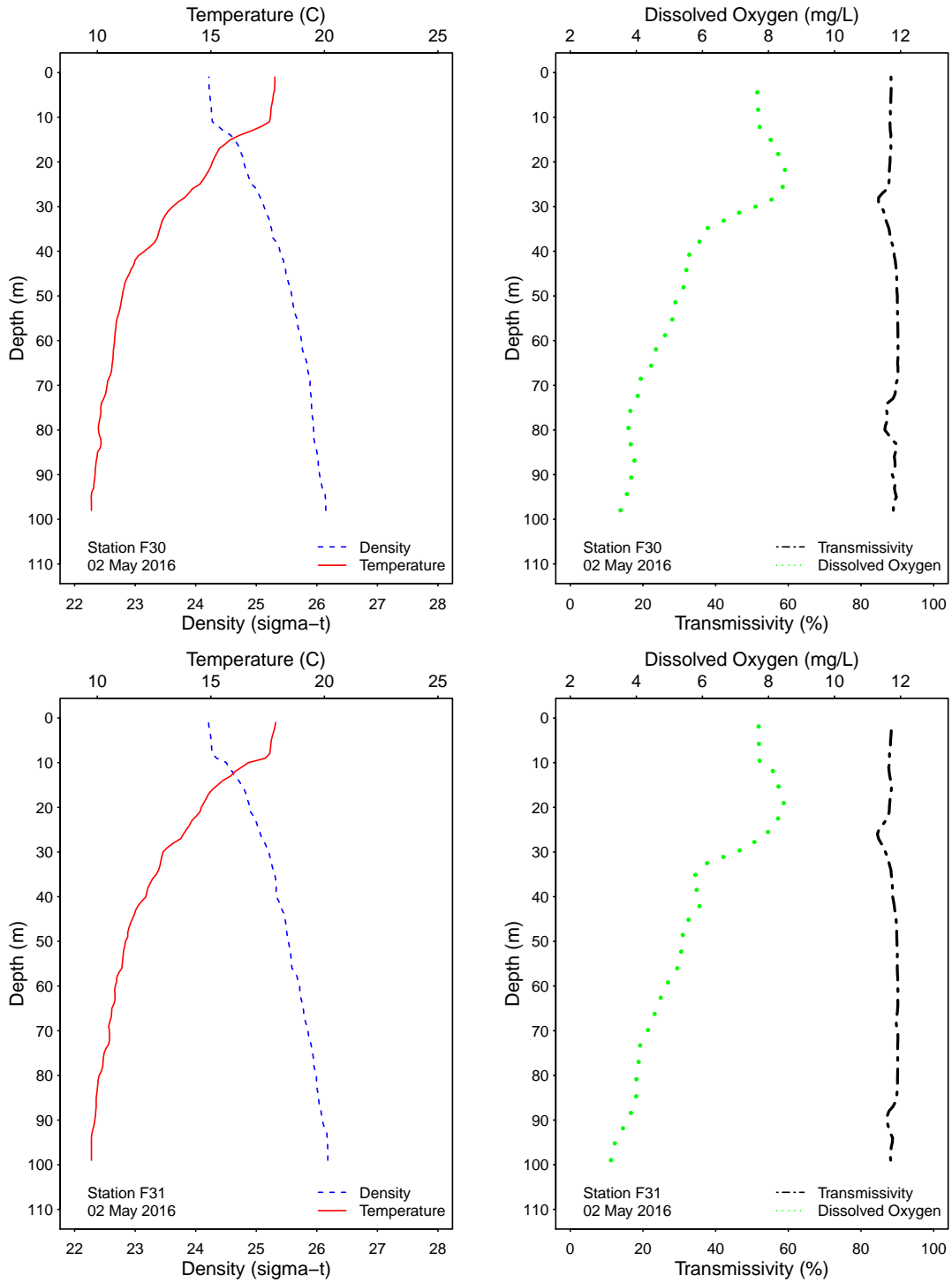


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

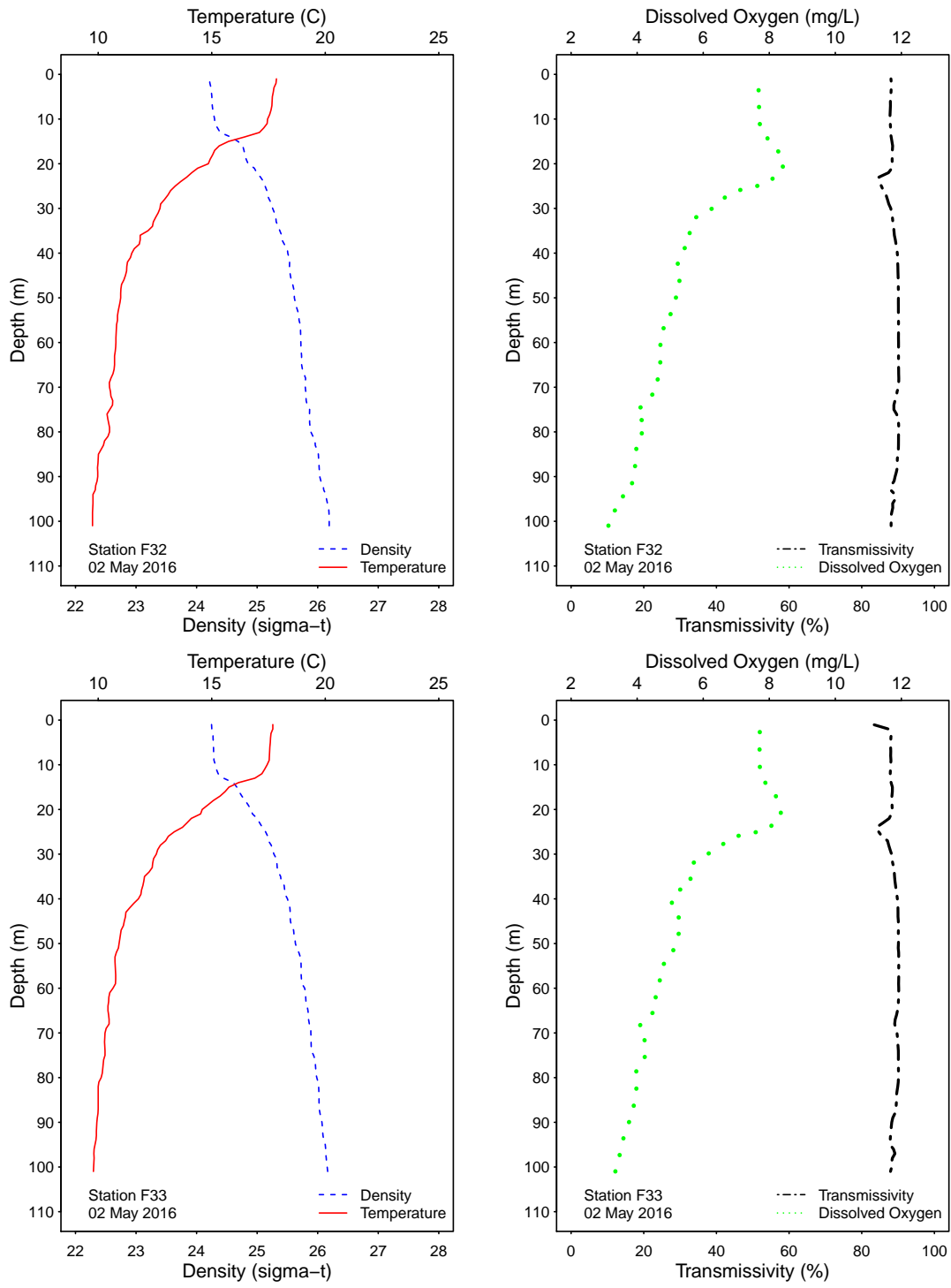


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

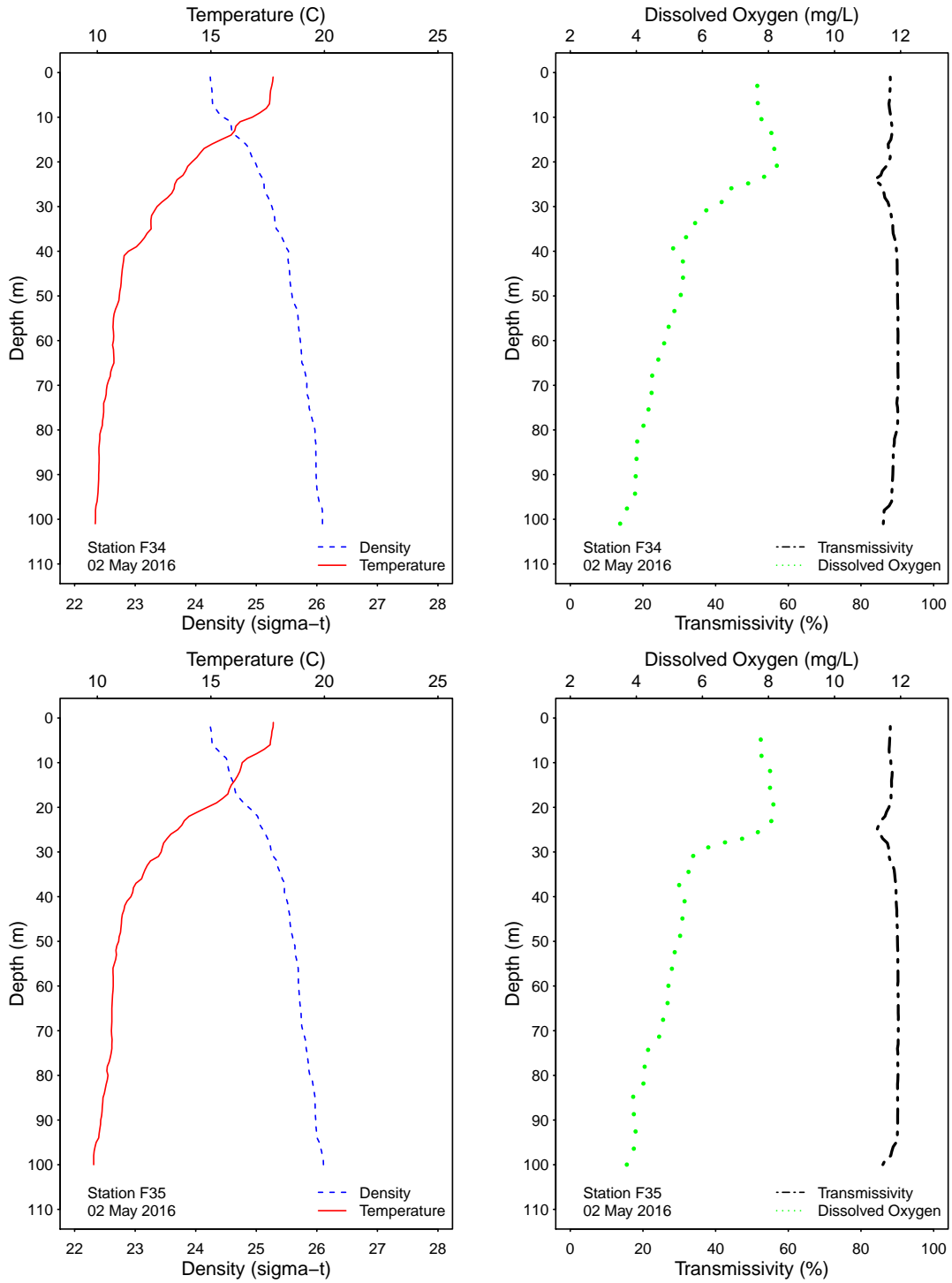


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

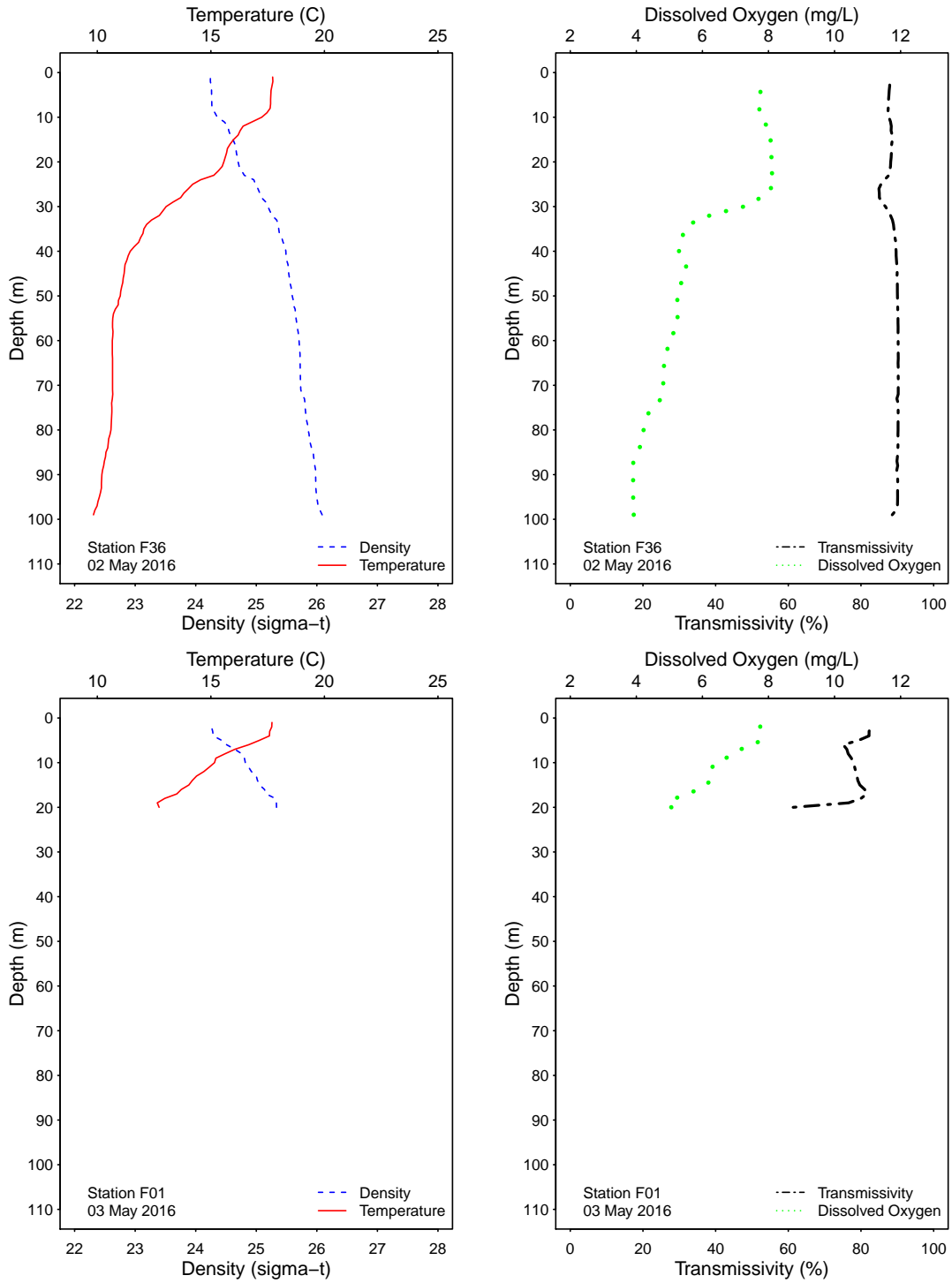


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

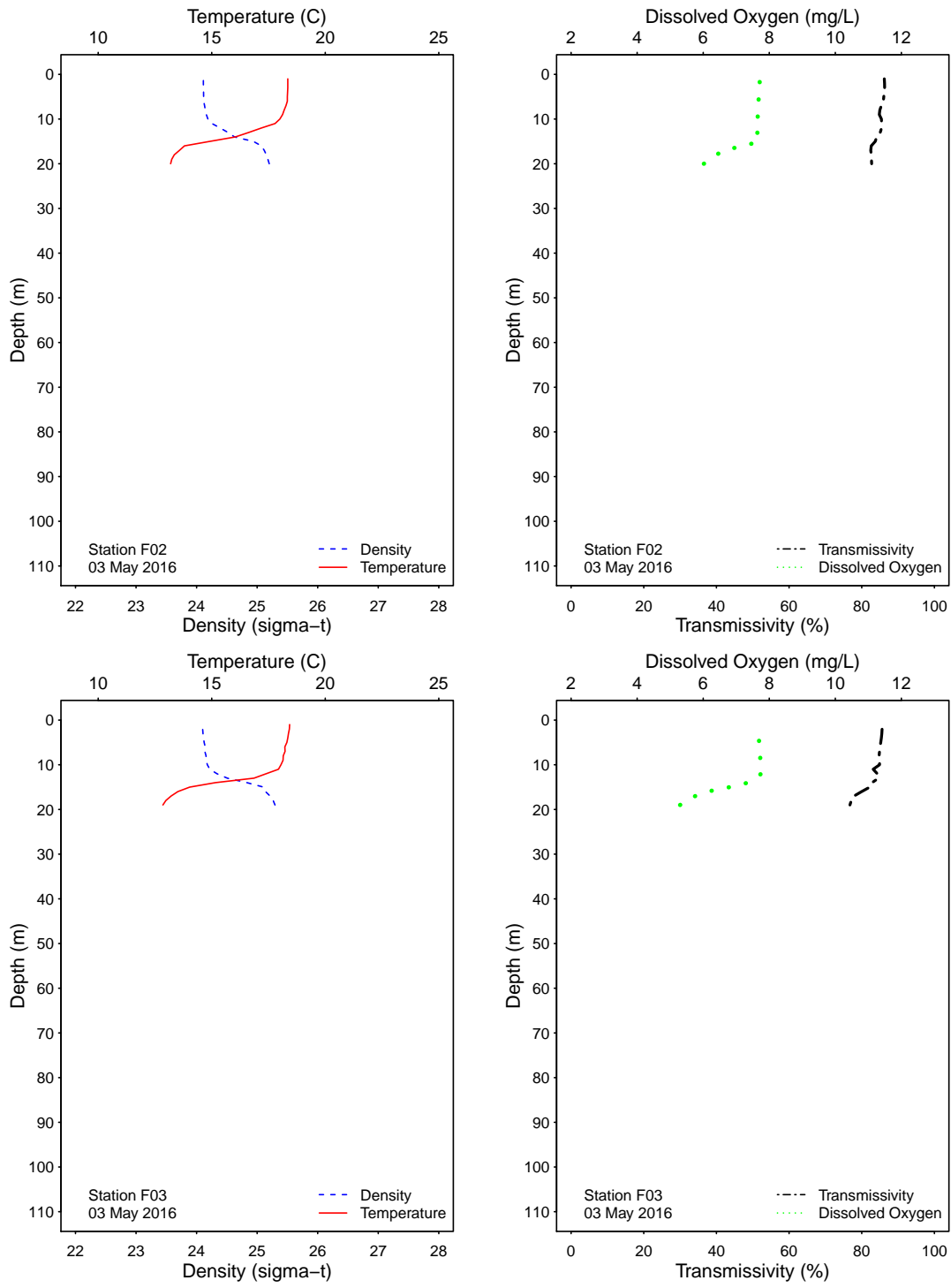


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

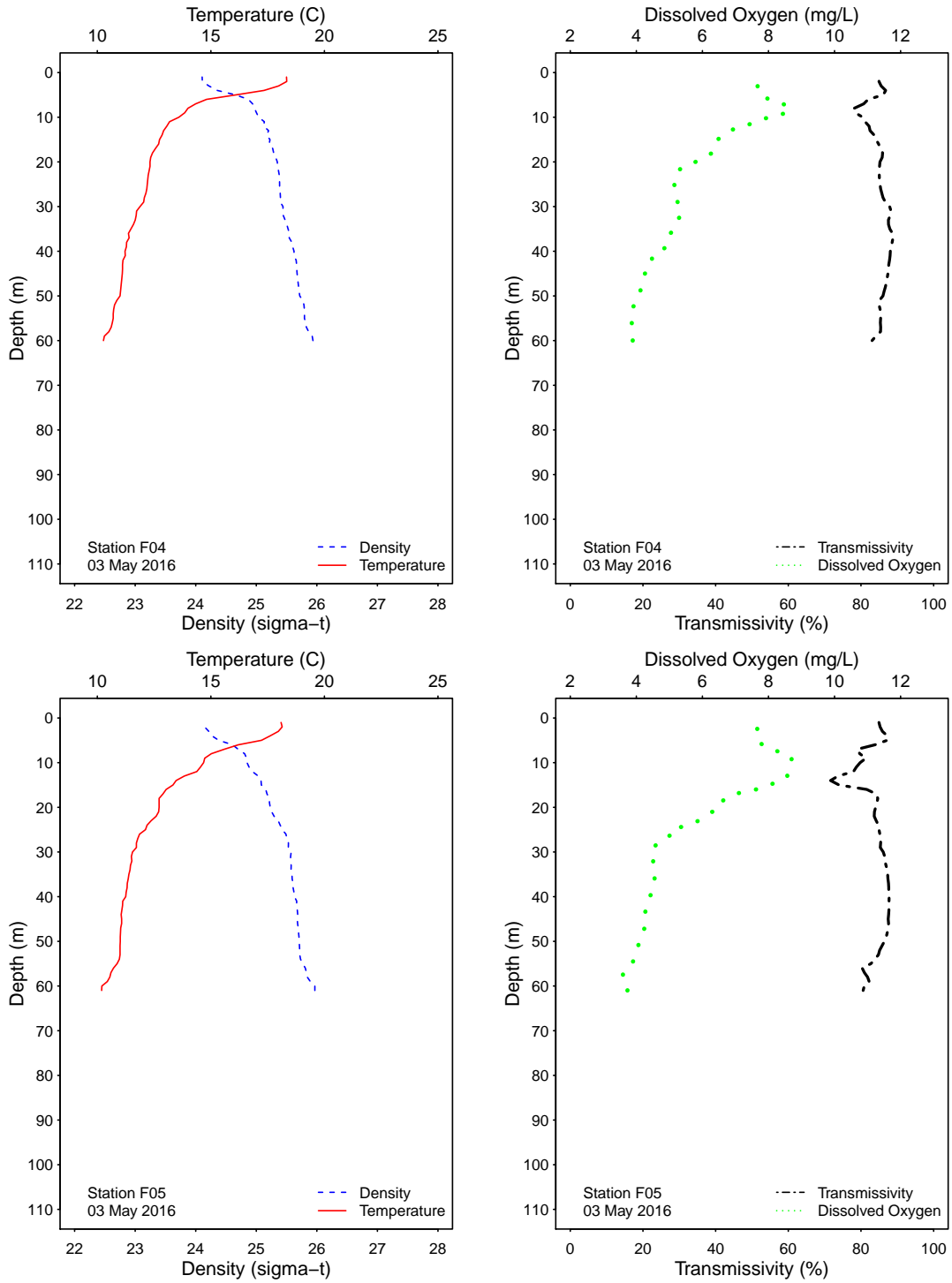


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

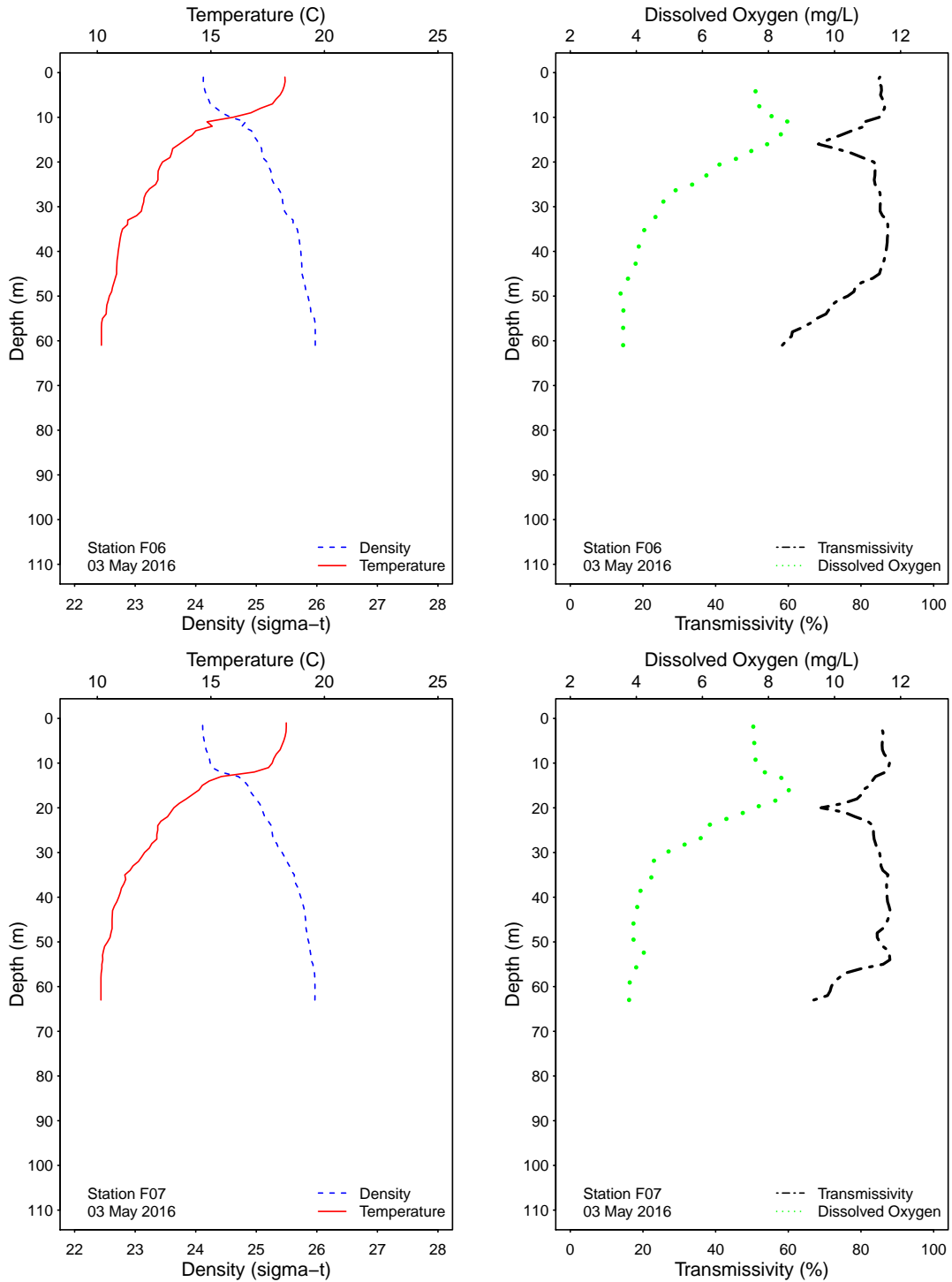


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

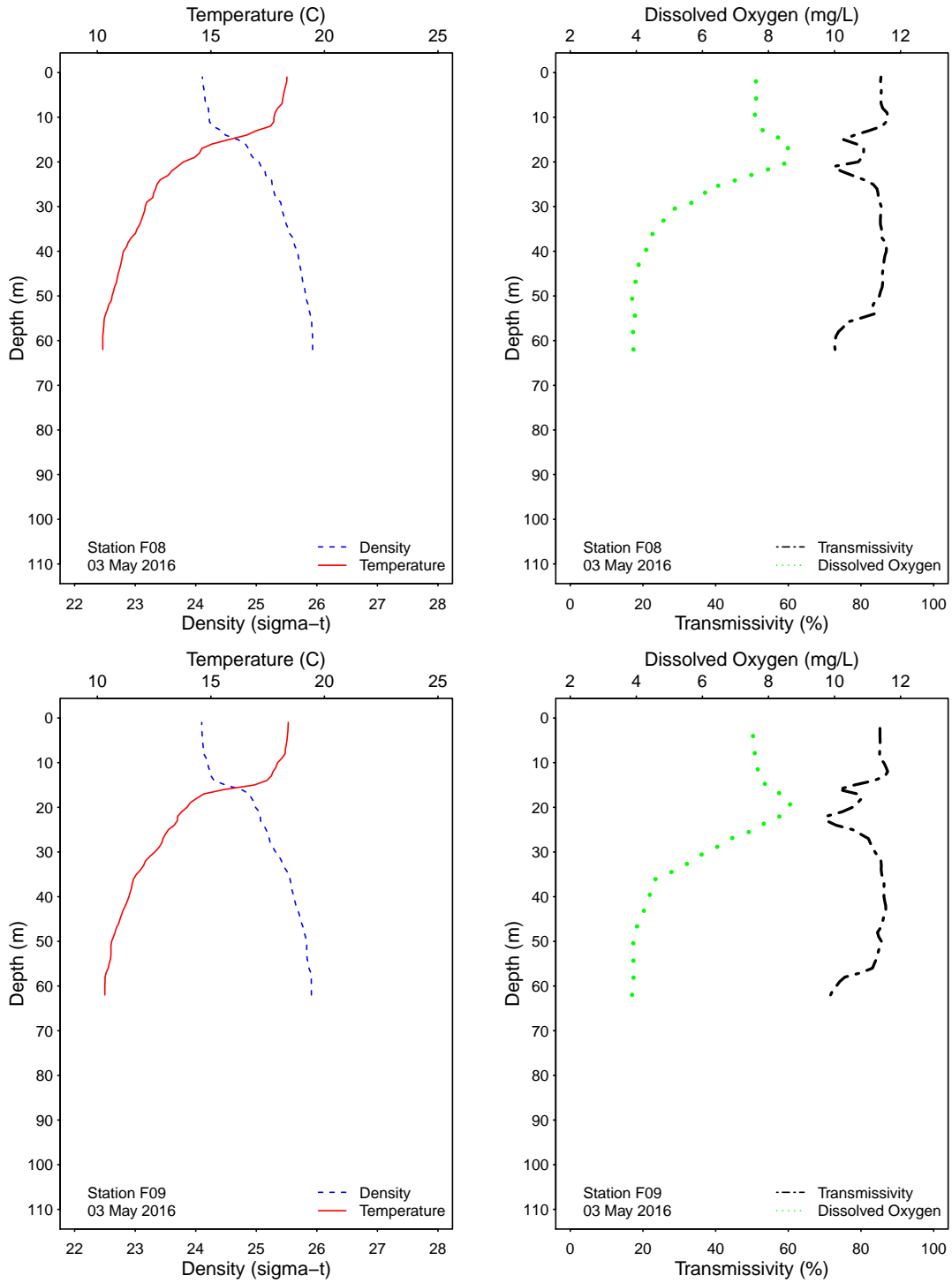


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



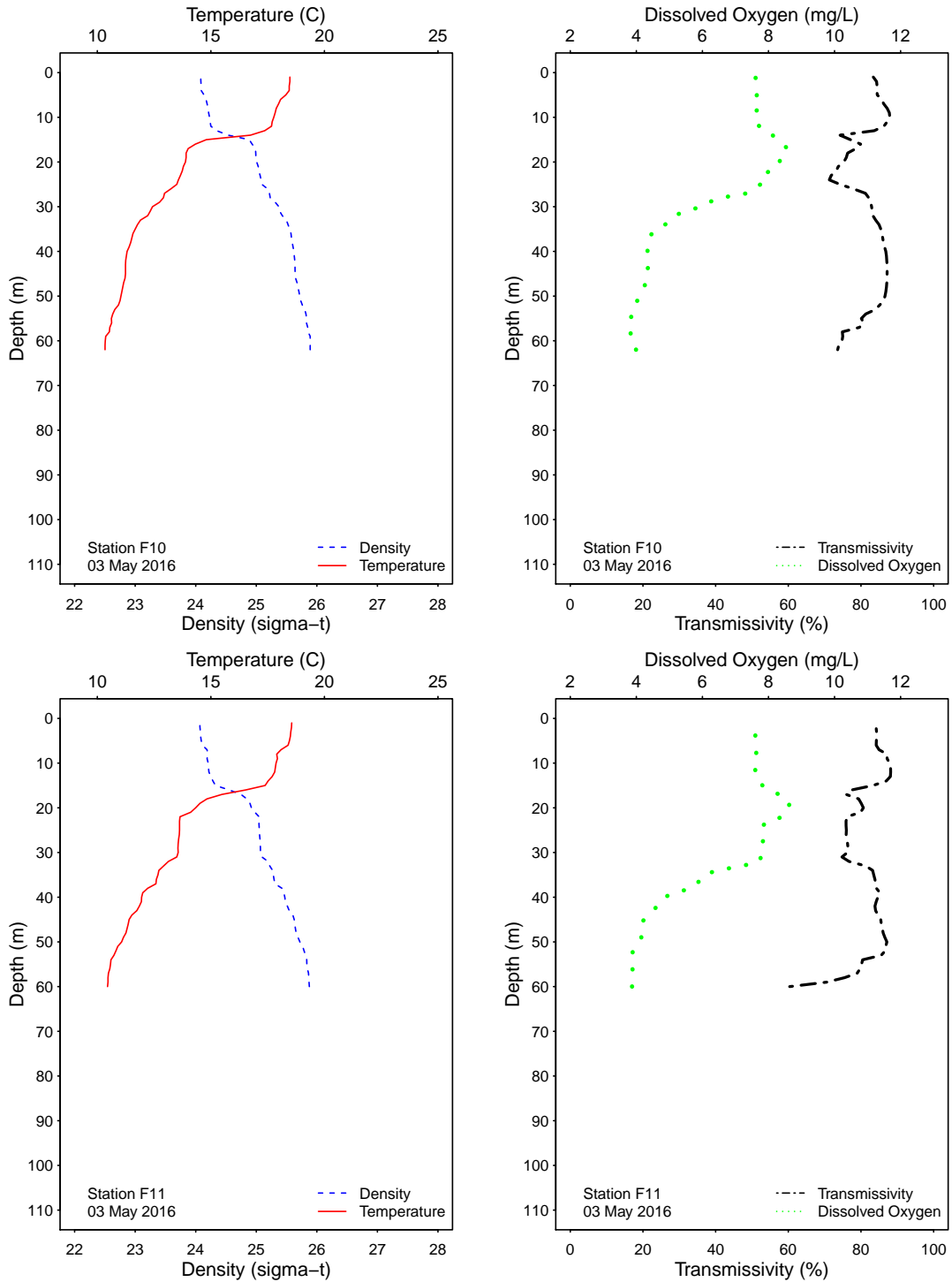


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

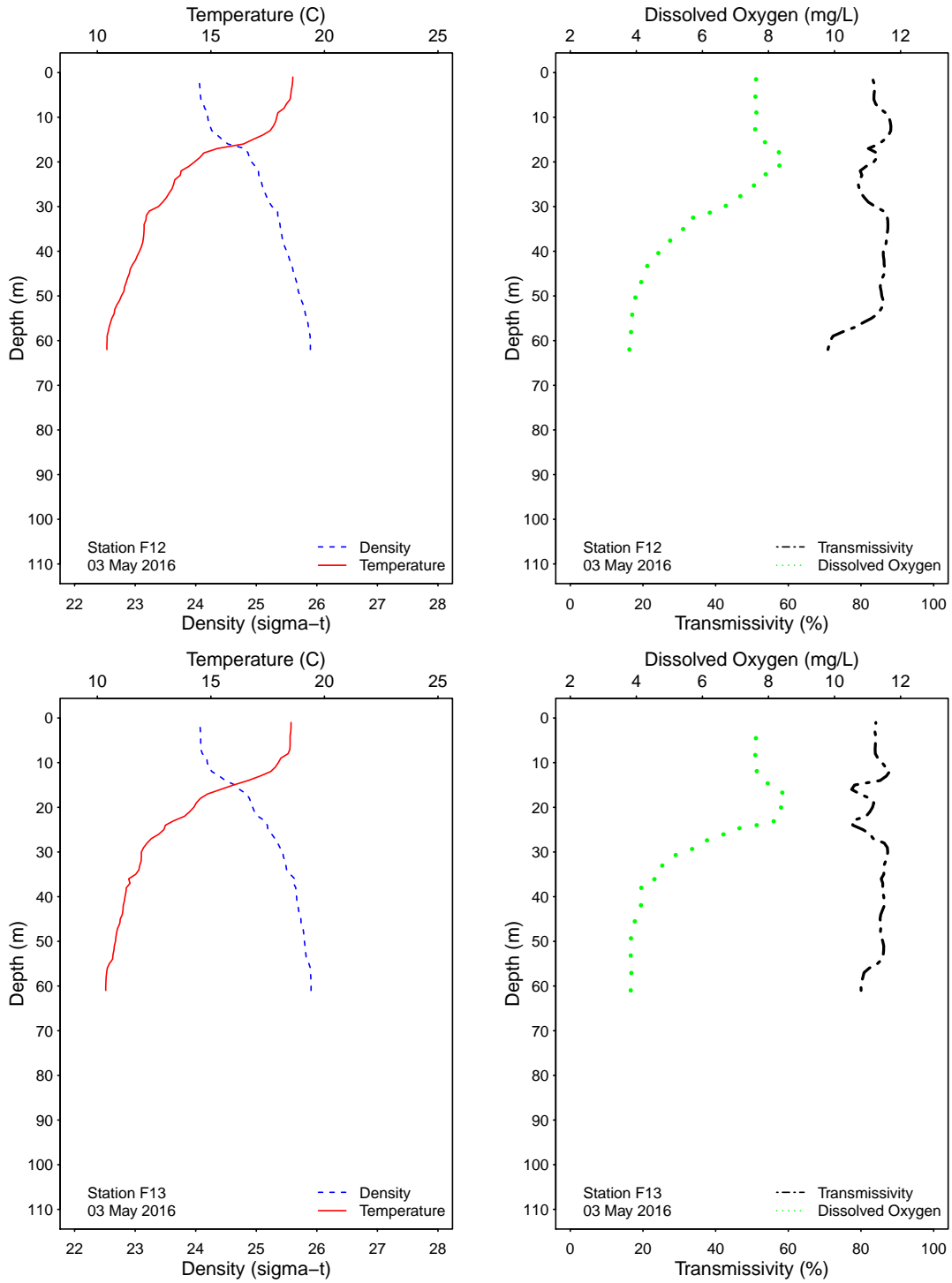


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

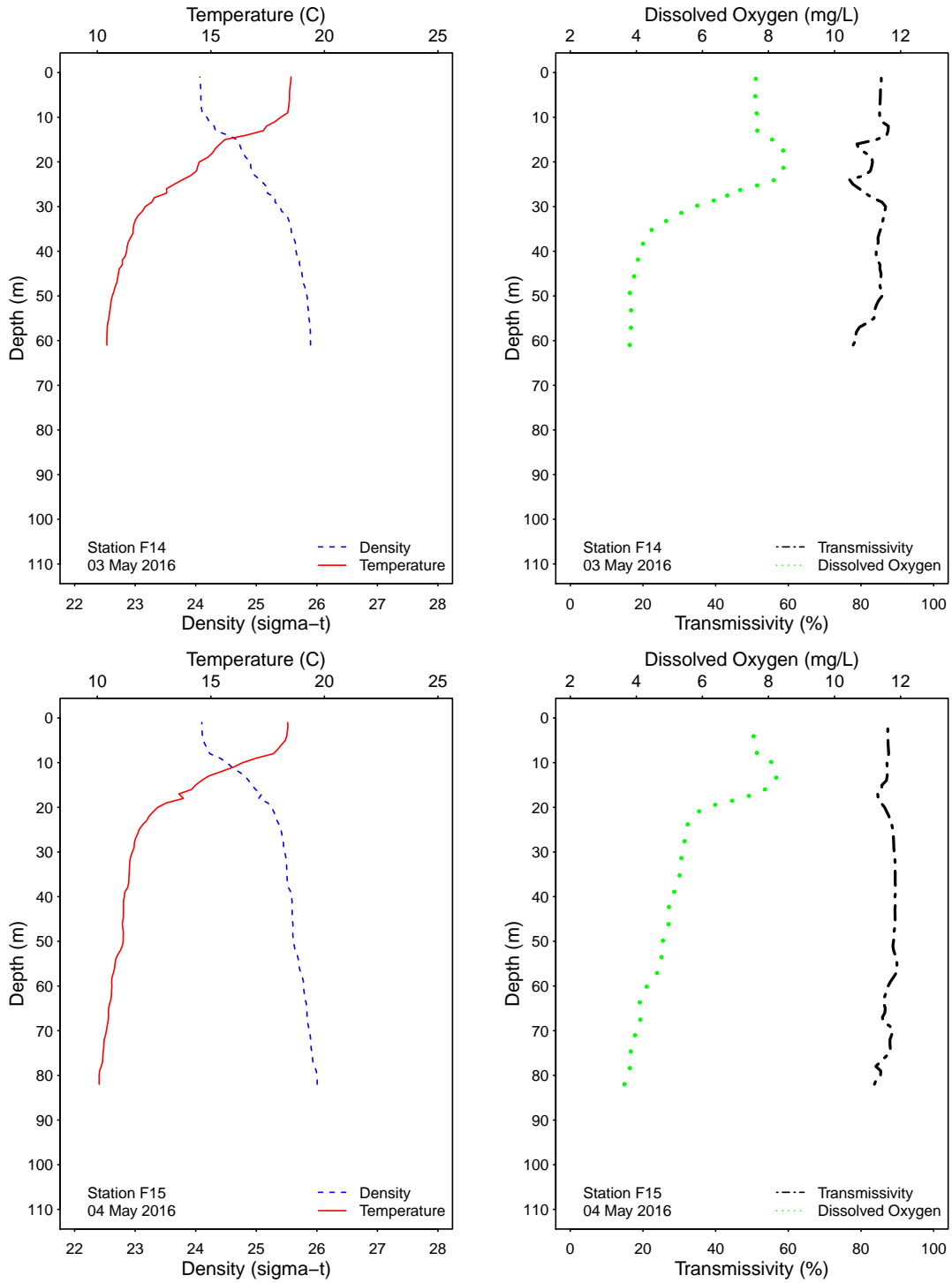


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

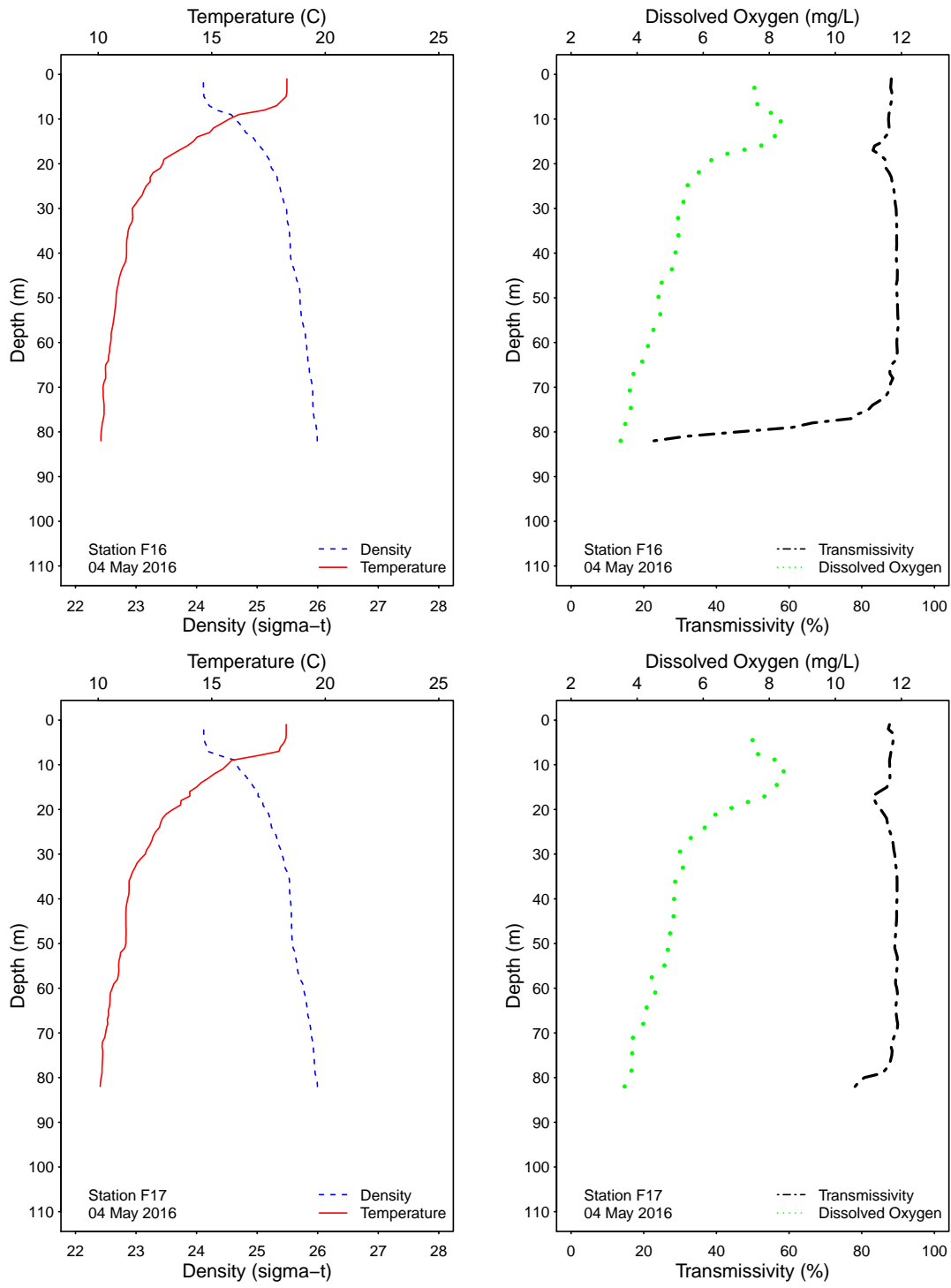


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

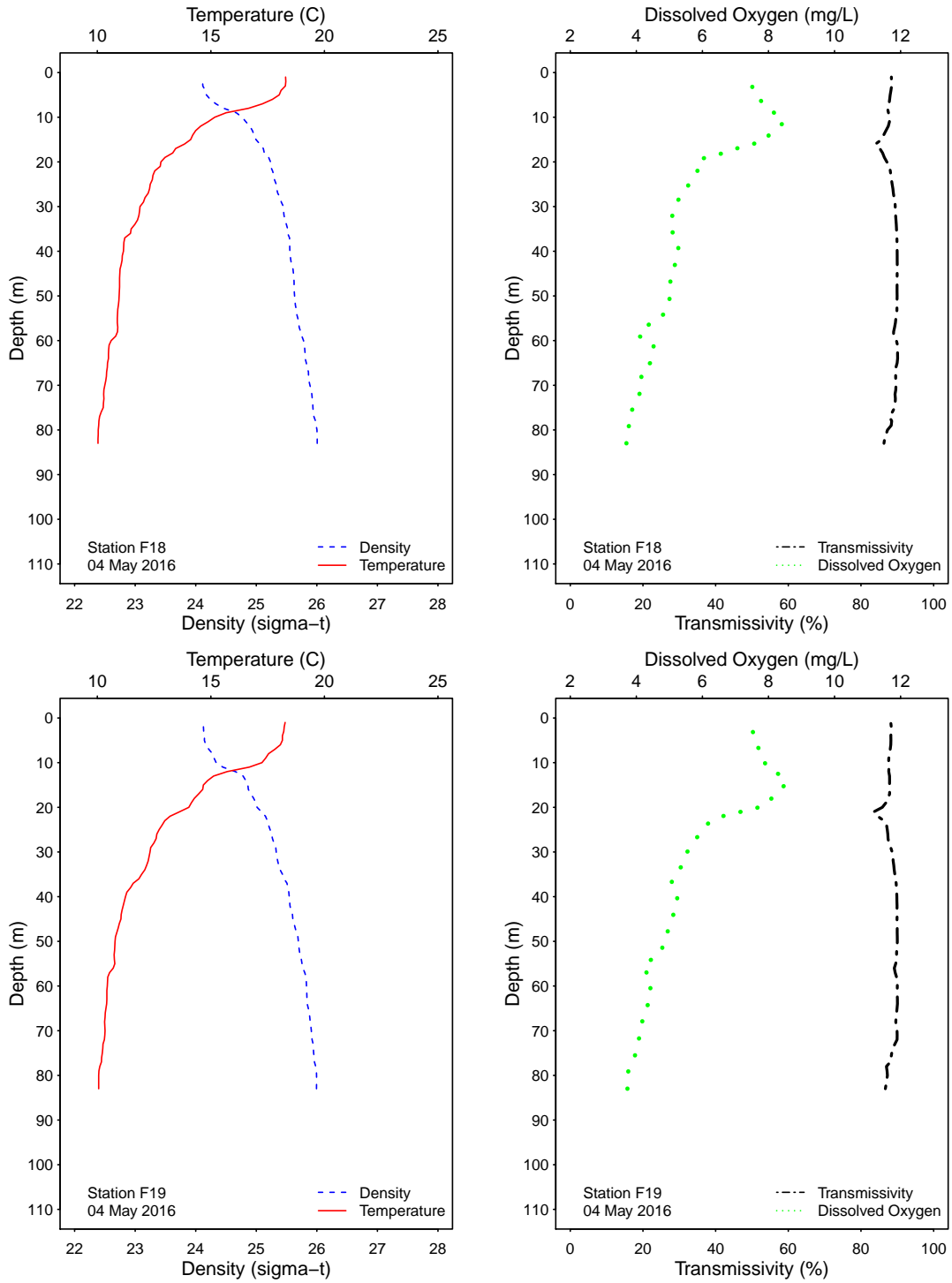


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

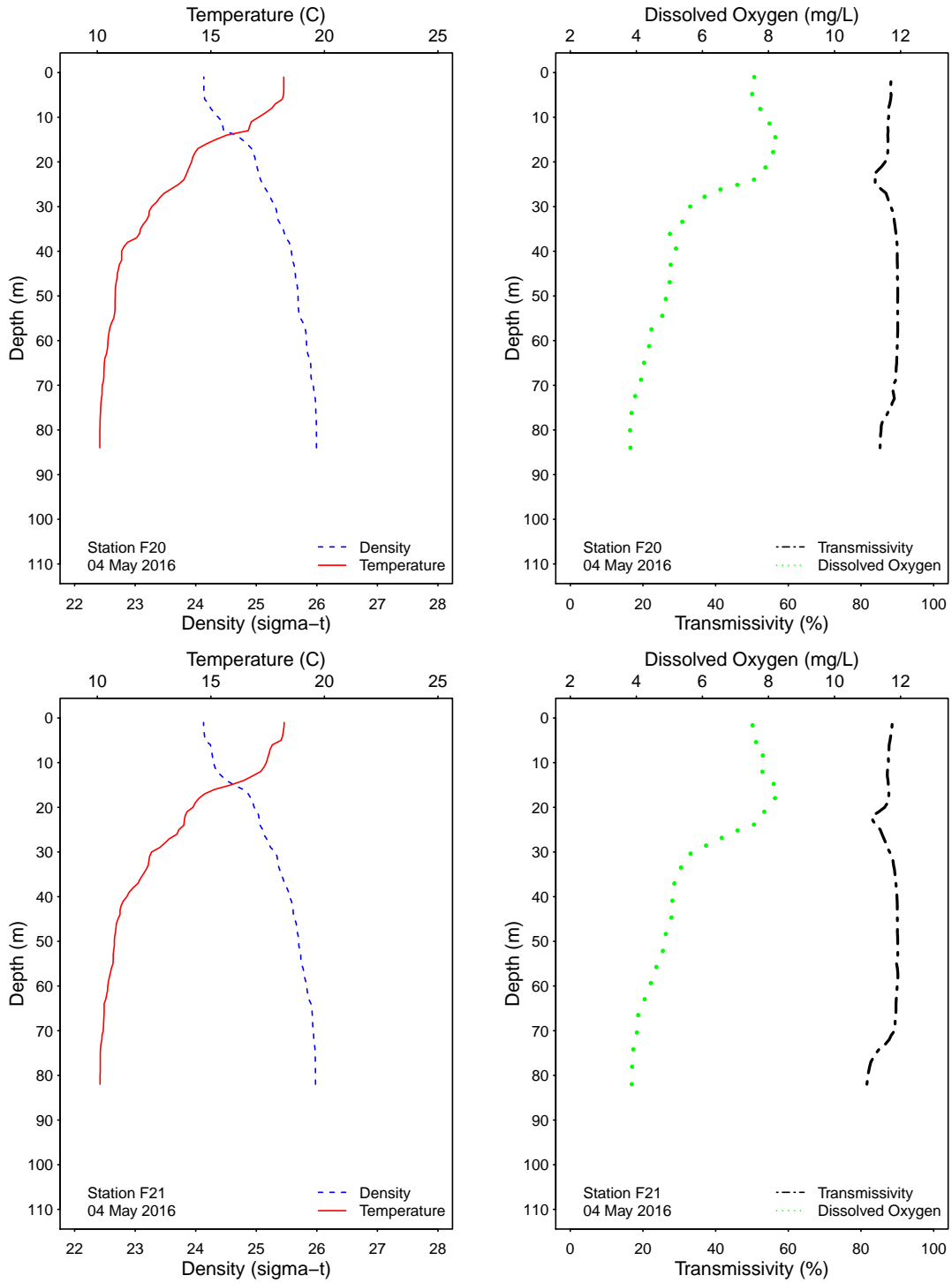


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

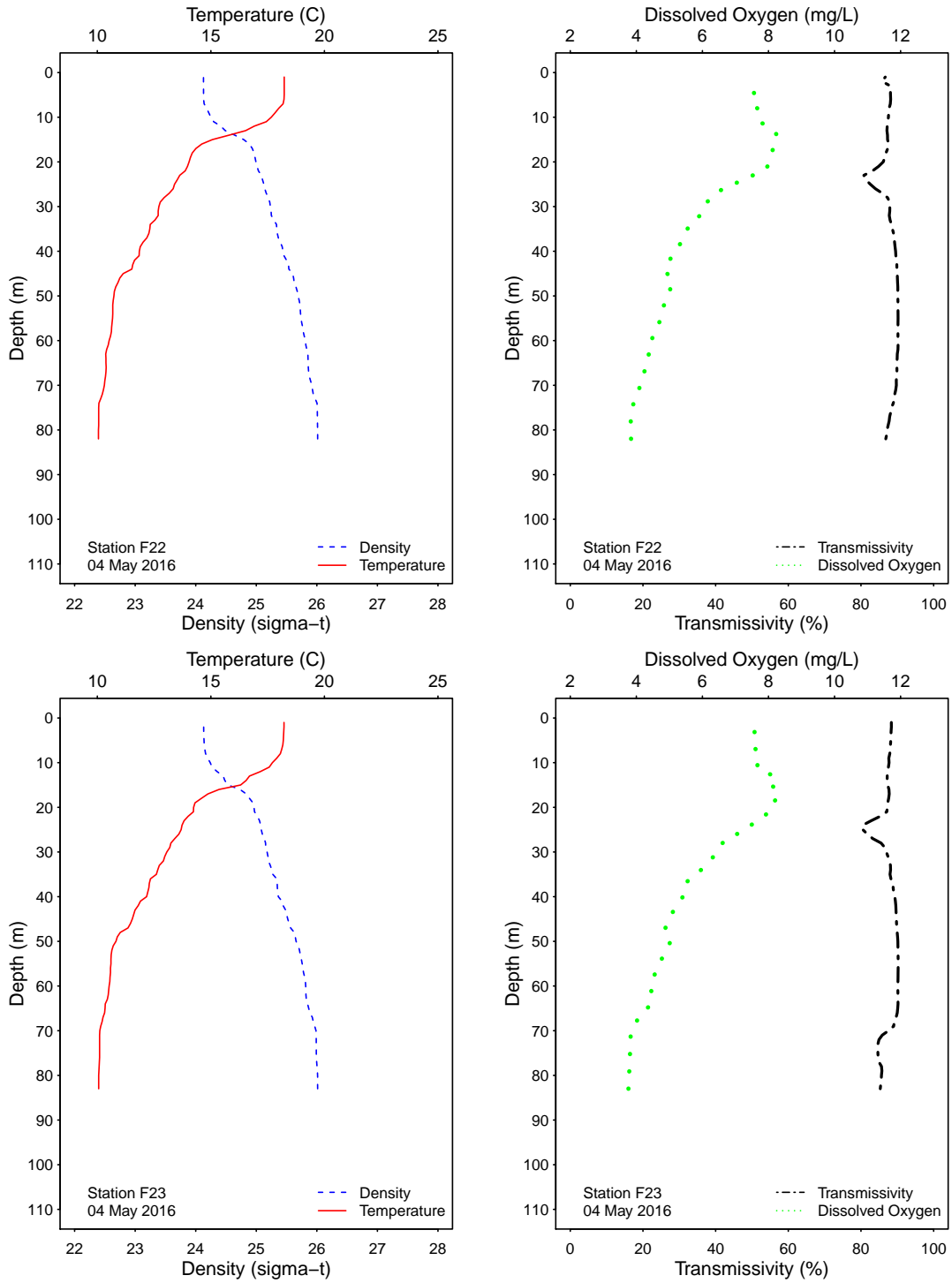


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

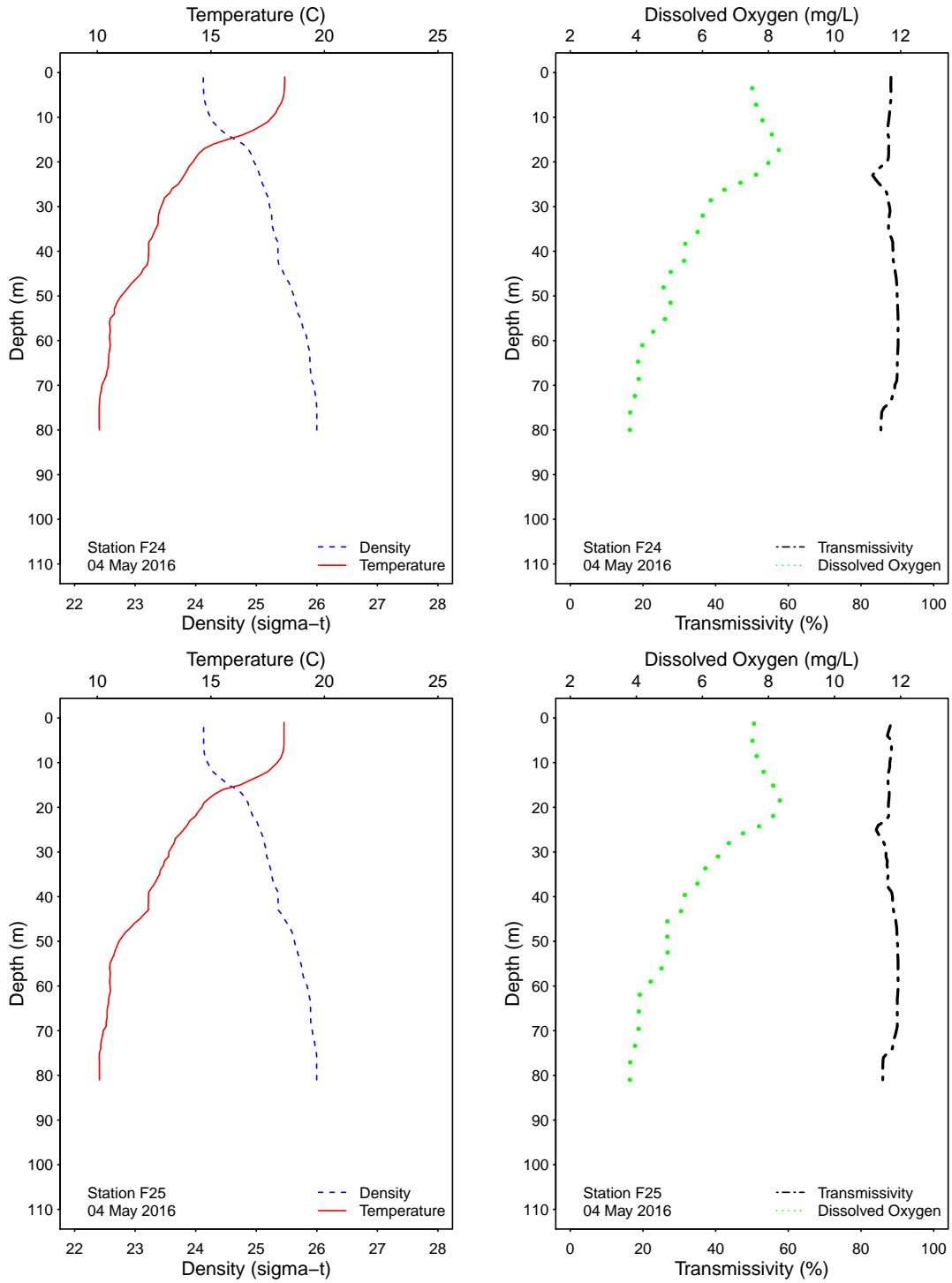


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.



APPENDIX A

Quality Assurance



**Table A.1**

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	05 May 2016	18	JT	LAB DUPLICATE	8e	<2	<2
A7	12 May 2016	18	ZV	LAB DUPLICATE	30e	<2	<2
A7	16 May 2016	18	JT	LAB DUPLICATE	<2	<2	<2
A7	22 May 2016	18	JT	LAB DUPLICATE	2e	<2	<2
A7	31 May 2016	18	ZV	LAB DUPLICATE	2e	<2	<2
C7	05 May 2016	18	ZV	LAB DUPLICATE	<2	<2	<2
C7	12 May 2016	18	JT	LAB DUPLICATE	6e	<2	<2
C7	16 May 2016	18	LMA	LAB DUPLICATE	<2	<2	<2
C7	22 May 2016	18	JT	LAB DUPLICATE	<2	<2	<2
C7	31 May 2016	18	ZV	LAB DUPLICATE	2e	<2	<2
C8	05 May 2016	12	ZV	LAB DUPLICATE	<2	<2	<2
C8	12 May 2016	12	JT	LAB DUPLICATE	<2	<2	<2
C8	16 May 2016	12	JT	LAB DUPLICATE	<2	<2	<2
C8	22 May 2016	12	JT	LAB DUPLICATE	<2	<20	<20
C8	31 May 2016	12	JLT	LAB DUPLICATE	2e	<2	<2
D8	03 May 2016		LMA	FIELD DUPLICATE	<20	<2	<2
D8	03 May 2016		LMA	LAB DUPLICATE	20e	<2	<2
D8	09 May 2016		SR	FIELD DUPLICATE	6e	<2	<2
D8	09 May 2016		SR	LAB DUPLICATE	<20	2e	<2
D8	15 May 2016		ZV	FIELD DUPLICATE	<20	2e	<2
D8	15 May 2016		ZV	LAB DUPLICATE	<20	<2	<2
D8	21 May 2016		JT	FIELD DUPLICATE	ns	ns	ns
D8	21 May 2016		JT	LAB DUPLICATE	ns	ns	ns
D12	27 May 2016		SR	FIELD DUPLICATE	ns	ns	ns
D12	27 May 2016		ZV	LAB DUPLICATE	<4	<4	4e
F01	03 May 2016	12	LO	LAB DUPLICATE	ns	ns	<2
F02	03 May 2016	12	LO	LAB DUPLICATE	ns	ns	<2
F07	03 May 2016	60	LO	LAB DUPLICATE	ns	ns	38e
F08	03 May 2016	60	LO	LAB DUPLICATE	ns	ns	14e
F11	03 May 2016	60	LO	LAB DUPLICATE	ns	ns	6e
F17	04 May 2016	80	AR	LAB DUPLICATE	ns	ns	520
F18	04 May 2016	60	GA	LAB DUPLICATE	ns	ns	<2
F19	04 May 2016	60	GA	LAB DUPLICATE	ns	ns	<2
F20	04 May 2016	60	GA	LAB DUPLICATE	ns	ns	<2
F21	04 May 2016	80	GA	LAB DUPLICATE	ns	ns	52
F28	02 May 2016	60	JT	LAB DUPLICATE	ns	ns	<2
F29	02 May 2016	60	JT	LAB DUPLICATE	ns	ns	<2
F30	02 May 2016	60	JT	LAB DUPLICATE	ns	ns	40
F31	02 May 2016	80	JT	LAB DUPLICATE	ns	ns	<2
F32	02 May 2016	80	JT	LAB DUPLICATE	ns	ns	4e
F34	02 May 2016	60	JT	LAB DUPLICATE	ns	ns	<2

ns = not sampled

ND = no data

