

POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

NPDES Permit No. CA0107409
SDRWQCB Order No. R9-2017-0007

AUGUST 2019

Environmental Monitoring and Technical Services
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September 23, 2019

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

Attention: POTW Compliance Unit

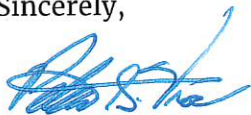
Dear Mr. Gibson:

Enclosed is the September 2019 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, 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

AL/zrs

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

REPORT OUTLINE

INTRODUCTION

METHODS

SUMMARY OF RESULTS

TABLES AND FIGURES

Station Locations (Map)

Shore Stations

- Total Coliform Compliance Summary, Geometric Mean Standard
- Fecal Coliform Compliance Summary, Geometric Mean Standard
- Enterococcus Bacteria Compliance Summary, Geometric Mean Standard
- Total Coliform Single Sample Maximum
- Fecal Coliform Single Sample Maximum
- Enterococcus Bacteria Single Sample Maximum
- Fecal:Total Coliform Ratio Single Sample Maximum
- Shore Station Water Quality Summary Data
- Visual Observations

Kelp Stations

- Total Coliform Compliance Summary, Geometric Mean Standard
- Fecal Coliform Compliance Summary, Geometric Mean Standard
- Enterococcus Bacteria Compliance Summary, Geometric Mean Standard
- Total Coliform Single Sample Maximum
- Fecal Coliform Single Sample Maximum
- Enterococcus Bacteria Single Sample Maximum
- Fecal:Total Coliform Ratio Single Sample Maximum
- Kelp Station Water Quality Summary Data
- Visual Observations
- CTD Profile Data
- CTD Profile Graphics

Offshore Stations

- Enterococcus Bacteria Single Sample Maximum
- Water Quality Summary Data
- Visual Observations
- CTD Profile Data
- CTD Profile Graphics

APPENDIX A

Quality Assurance

- Water Quality Summary Data

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. R9-2017-0007, 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 required to be monitored at eight shoreline stations, including D4, D5, D7, D8, D9, D10, D11 and D12, which range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Over the past several years, due to increasing instability in several cliffside areas of Point Loma, City staff have been unable to safely access and sample several stations at various times. This lack of access has resulted in the following modifications:

- Station D8 was replaced by alternate station D8-A during July 2016. However, due to increasing instability, City staff have been unable to safely access and sample station D8-A since February 7, 2018. During March 2018, the City identified an alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A.

Seawater samples were collected from the surf zone at each station on a weekly basis. These samples were 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 were also recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

Kelp Bed Stations

The eight kelp stations were sampled weekly according to permit specifications 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 consisted primarily of collecting seawater samples at discrete depths to determine concentrations of indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Water column profiles of various physical/chemical parameters were also generated during each sampling event, and visual observations of weather and water conditions were recorded at each station.

Seawater samples at the kelp bed stations were collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* were generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of ≥ 4 scans per second. These scans were then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are 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.

Seawater samples for bacteriological analyses at the offshore stations were 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. Additionally, data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and presented with the bacteriological data.

Bacteriological Reporting and Quality Assurance

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

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

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

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

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

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

Single Sample Maximums:

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2019 Quality Assurance Report, which will be completed in March 2020.

SUMMARY OF RESULTS

Shore Stations

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled four times during August (i.e., August 7, 14, 21, 28).
- Each of these stations was in compliance with all of the California Ocean Plan (Ocean Plan) water-contact standards.
- 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 *Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls* for details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).
- Notable observations for August included a sewage-like odor on August 28 at D5.

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled four times during August (i.e. August 5, 15, 19, 28).
- All eight of these stations complied with various water-contact standards specified in the Ocean Plan.

- Water column temperatures ranged from 12.23 to 22.56°C. The difference between surface and bottom waters ranged from 2.13 to 9.12°C, indicating that the water column was stratified at the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.37 to 14.68 µg/L, suggesting the presence of phytoplankton blooms during the month.
- Nothing of sewage origin was observed at any of the kelp stations.

Offshore Stations

- Quarterly water quality sampling was conducted at the offshore stations on August 7, 8, 9.
- During August, all 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) complied with all relevant Ocean Plan water contact standards. single sample maximum (SSM) standard for *Enterococcus*.
- All but one of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
 - o Exceptions included station F30 which exceeded the single sample maximum for *Enterococcus* at 80 m on August 7.
- During August, water column temperatures ranged from 10.27 to 21.41°C. The difference between surface and bottom waters ranged from 5.18 to 10.77°C, indicating that the water column was stratified at the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.24 to 13.06 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.



TABLES AND FIGURES

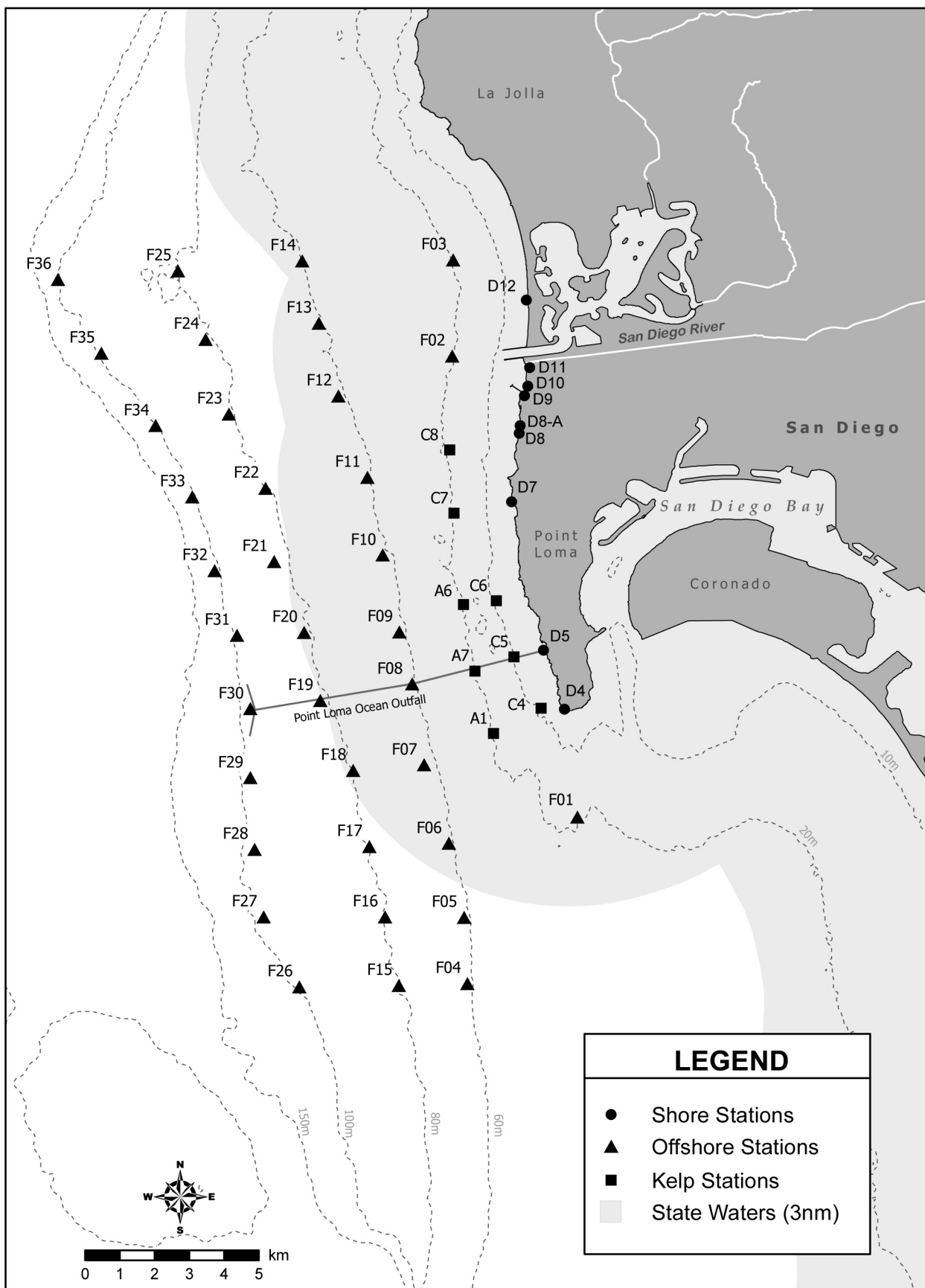


Figure 1.1 Station Map

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-B	D9	D10	D11	D12
01 Aug 2019	20*	20*	63	36	56	36*	36*	112*
02 Aug 2019	20*	20*	63	36	56	36*	36*	112*
03 Aug 2019	20*	20*	63	36	56	36*	36*	112*
04 Aug 2019	20*	20*	63	36	56	36*	36*	112*
05 Aug 2019	20*	20*	63	36	56	36*	36*	112*
06 Aug 2019	20*	20*	63	36	56	36*	36*	112*
07 Aug 2019	13	19	47	36	45	32	39	80
08 Aug 2019	13	19	47	36	45	32	39	80
09 Aug 2019	11*	19*	58	42	56	36*	47*	112*
10 Aug 2019	11*	19*	58	42	56	36*	47*	112*
11 Aug 2019	11*	19*	58	42	56	36*	47*	112*
12 Aug 2019	11*	19*	58	42	56	36*	47*	112*
13 Aug 2019	11*	19*	58	42	56	36*	47*	112*
14 Aug 2019	13	19	54	78	49	42	63	80
15 Aug 2019	13	19	54	78	49	42	63	80
16 Aug 2019	11*	19*	39	110	29	28*	83*	63*
17 Aug 2019	11*	19*	39*	110*	29*	28*	83*	63*
18 Aug 2019	11*	19*	39*	110*	29*	28*	83*	63*
19 Aug 2019	11*	19*	39*	110*	29*	28*	83*	63*
20 Aug 2019	11*	19*	39*	110*	29*	28*	83*	63*
21 Aug 2019	13	19	42	78	31	30	63	80
22 Aug 2019	13	19	42	78	31	30	63	80
23 Aug 2019	11*	19*	51*	110*	35*	34*	83*	63*
24 Aug 2019	11*	19*	51*	110*	35*	34*	83*	63*
25 Aug 2019	11*	19*	51*	110*	35*	34*	83*	63*
26 Aug 2019	11*	19*	51*	110*	35*	34*	83*	63*
27 Aug 2019	11*	19*	51*	110*	35*	34*	83*	63*
28 Aug 2019	13	19	42	78	49	30	63	50
29 Aug 2019	13	19	42	78	49	30	63	50
30 Aug 2019	11*	19*	29*	62*	47*	34*	47*	36*
31 Aug 2019	11*	19*	29*	62*	47*	34*	47*	36*

* 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-B	D9	D10	D11	D12
01 Aug 2019	2*	4*	3	2	3	6*	7*	5*
02 Aug 2019	2*	4*	3	2	3	6*	7*	5*
03 Aug 2019	2*	4*	3	2	3	6*	7*	5*
04 Aug 2019	2*	4*	3	2	3	6*	7*	5*
05 Aug 2019	2*	4*	3	2	3	6*	7*	5*
06 Aug 2019	2*	4*	3	2	3	6*	7*	5*
07 Aug 2019	2	4	3	3	3	8	10	4
08 Aug 2019	2	4	3	3	3	8	10	4
09 Aug 2019	2*	3*	3	4	3	8*	15*	5*
10 Aug 2019	2*	3*	3	4	3	8*	15*	5*
11 Aug 2019	2*	3*	3	4	3	8*	15*	5*
12 Aug 2019	2*	3*	3	4	3	8*	15*	5*
13 Aug 2019	2*	3*	3	4	3	8*	15*	5*
14 Aug 2019	2	4	4	5	3	6	12	4
15 Aug 2019	2	4	4	5	3	6	12	4
16 Aug 2019	2*	5*	4	6	2	6*	14*	5*
17 Aug 2019	2*	5*	4*	6*	2*	6*	14*	5*
18 Aug 2019	2*	5*	4*	6*	2*	6*	14*	5*
19 Aug 2019	2*	5*	4*	6*	2*	6*	14*	5*
20 Aug 2019	2*	5*	4*	6*	2*	6*	14*	5*
21 Aug 2019	2	4	5	5	2	7	9	7
22 Aug 2019	2	4	5	5	2	7	9	7
23 Aug 2019	2*	5*	7*	6*	2*	6*	8*	5*
24 Aug 2019	2*	5*	7*	6*	2*	6*	8*	5*
25 Aug 2019	2*	5*	7*	6*	2*	6*	8*	5*
26 Aug 2019	2*	5*	7*	6*	2*	6*	8*	5*
27 Aug 2019	2*	5*	7*	6*	2*	6*	8*	5*
28 Aug 2019	2	4	5	5	2	7	8	4
29 Aug 2019	2	4	5	5	2	7	8	4
30 Aug 2019	2*	5*	5*	5*	2*	9*	7*	4*
31 Aug 2019	2*	5*	5*	5*	2*	9*	7*	4*

* Geometric mean calculated using n<5

Table 2.3

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Aug 2019	2*	2*	14	6	8	5*	3*	4*
02 Aug 2019	2*	2*	14	6	8	5*	3*	4*
03 Aug 2019	2*	2*	14	6	8	5*	3*	4*
04 Aug 2019	2*	2*	14	6	8	5*	3*	4*
05 Aug 2019	2*	2*	14	6	8	5*	3*	4*
06 Aug 2019	2*	2*	14	6	8	5*	3*	4*
07 Aug 2019	2	3	10	6	6	5	4	4
08 Aug 2019	2	3	10	6	6	5	4	4
09 Aug 2019	2*	3*	14	8	8	6*	4*	4*
10 Aug 2019	2*	3*	14	8	8	6*	4*	4*
11 Aug 2019	2*	3*	14	8	8	6*	4*	4*
12 Aug 2019	2*	3*	14	8	8	6*	4*	4*
13 Aug 2019	2*	3*	14	8	8	6*	4*	4*
14 Aug 2019	2	5	10	6	7	8	5	4
15 Aug 2019	2	5	10	6	7	8	5	4
16 Aug 2019	2*	7*	5	3	2	8*	4*	4*
17 Aug 2019	2*	7*	6*	3*	2*	8*	4*	4*
18 Aug 2019	2*	7*	6*	3*	2*	8*	4*	4*
19 Aug 2019	2*	7*	6*	3*	2*	8*	4*	4*
20 Aug 2019	2*	7*	6*	3*	2*	8*	4*	4*
21 Aug 2019	2	5	5	3	2	12	5	4
22 Aug 2019	2	5	5	3	2	12	5	4
23 Aug 2019	2*	7*	4*	3*	2*	18*	7*	2*
24 Aug 2019	2*	7*	4*	3*	2*	18*	7*	2*
25 Aug 2019	2*	7*	4*	3*	2*	18*	7*	2*
26 Aug 2019	2*	7*	4*	3*	2*	18*	7*	2*
27 Aug 2019	2*	7*	4*	3*	2*	18*	7*	2*
28 Aug 2019	3	5	3	3	2	12	7	2
29 Aug 2019	3	5	3	3	2	12	7	2
30 Aug 2019	3*	7*	2*	3*	2*	11*	7*	2*
31 Aug 2019	3*	7*	2*	3*	2*	11*	7*	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.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
07 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
21 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.5

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
07 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
21 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

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-B	D9	D10	D11	D12
07 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
21 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
07 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
14 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
21 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

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	07 Aug 2019	1036	<2	<2	<2	1.00
D4	14 Aug 2019	756	<20	<2	<2	0.10
D4	21 Aug 2019	1029	<20	<2	<2	0.10
D4	28 Aug 2019	848	<20	2e	6e	0.10
D5	07 Aug 2019	1052	16e	8e	8e	0.50
D5	14 Aug 2019	749	<20	<20	56	1.00
D5	21 Aug 2019	1012	<20	<2	<2	0.10
D5	28 Aug 2019	913	<20	2e	<2	0.10
D7	07 Aug 2019	1020	14e	2e	<2	0.14
D7	14 Aug 2019	825	40e	12e	2e	0.30
D7	21 Aug 2019	947	60e	10e	2e	0.17
D7	28 Aug 2019	934	<20	<2	<2	0.10
D8-B	07 Aug 2019	1004	40e	10e	10e	0.25
D8-B	14 Aug 2019	853	900	14e	2e	0.02
D8-B	21 Aug 2019	925	<20	<2	<2	0.10
D8-B	28 Aug 2019	941	<20	2e	<2	0.10
D9	07 Aug 2019	954	<20	2e	<2	0.10
D9	14 Aug 2019	909	30e	<2	4e	0.07
D9	21 Aug 2019	902	40e	<2	<2	0.05
D9	28 Aug 2019	1008	<200	2e	<2	0.01
D10	07 Aug 2019	936	20e	36e	6e	1.80
D10	14 Aug 2019	920	80e	2e	30e	0.02
D10	21 Aug 2019	839	40e	10e	46	0.25
D10	28 Aug 2019	1017	20e	10e	2e	0.50
D11	07 Aug 2019	907	60e	38e	4e	0.63
D11	14 Aug 2019	941	<200	4e	8e	0.02
D11	21 Aug 2019	823	20e	<2	12e	0.10
D11	28 Aug 2019	1045	20e	10e	6e	0.50
D12	07 Aug 2019	843	<20	<2	<2	0.10
D12	14 Aug 2019	1009	<20	<2	<2	0.10
D12	21 Aug 2019	802	<200	<20	<2	0.10
D12	28 Aug 2019	1116	<20	<2	2e	0.10

ns = not sampled

ND = no data

Table 2.9

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

Station	Date	Parameter	Value
D4	07 Aug 2019	Arrive Time	1036
D4	07 Aug 2019	Weather	Cloudy
D4	07 Aug 2019	Wind Speed (kts)	1.6
D4	07 Aug 2019	Wind Dir	W
D4	07 Aug 2019	Animal Life	None
D4	07 Aug 2019	Floatables	None
D4	07 Aug 2019	Water Color	Green
D4	07 Aug 2019	Current Direction	N
D4	07 Aug 2019	Water Temp (C)	21.9
D4	07 Aug 2019	Wave Height Low (ft)	3
D4	07 Aug 2019	High Tide (ft)	5.1
D4	07 Aug 2019	High Tide Time	1535
D4	07 Aug 2019	Low Tide (ft)	1.4
D4	07 Aug 2019	Low Tide Time	852
D4	07 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D4	14 Aug 2019	Arrive Time	756
D4	14 Aug 2019	Weather	Overcast
D4	14 Aug 2019	Wind Speed (kts)	3.3
D4	14 Aug 2019	Wind Dir	S
D4	14 Aug 2019	Animal Life	3 Pelicans; 1 Tern
D4	14 Aug 2019	Floatables	None
D4	14 Aug 2019	Water Color	Green
D4	14 Aug 2019	Current Direction	S
D4	14 Aug 2019	Water Temp (C)	21.2
D4	14 Aug 2019	Wave Height Low (ft)	1
D4	14 Aug 2019	High Tide (ft)	4.2
D4	14 Aug 2019	High Tide Time	957
D4	14 Aug 2019	Low Tide (ft)	-0.4
D4	14 Aug 2019	Low Tide Time	344
D4	14 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D4	21 Aug 2019	Arrive Time	1029
D4	21 Aug 2019	Weather	Overcast
D4	21 Aug 2019	Wind Speed (kts)	5.6
D4	21 Aug 2019	Wind Dir	E
D4	21 Aug 2019	Animal Life	3 Cormorants; 2 Pelicans
D4	21 Aug 2019	Floatables	None
D4	21 Aug 2019	Water Color	Green
D4	21 Aug 2019	Current Direction	E
D4	21 Aug 2019	Water Temp (C)	22.3
D4	21 Aug 2019	Wave Height Low (ft)	2
D4	21 Aug 2019	High Tide (ft)	4.4
D4	21 Aug 2019	High Tide Time	1324
D4	21 Aug 2019	Low Tide (ft)	1.5
D4	21 Aug 2019	Low Tide Time	652
D4	21 Aug 2019	Comments	Kelp; Seagrass; Algae; 2 Boats; Water clear
D4	28 Aug 2019	Arrive Time	848
D4	28 Aug 2019	Weather	Cloudy
D4	28 Aug 2019	Wind Speed (kts)	2.2

Station	Date	Parameter	Value
D4	28 Aug 2019	Wind Dir	W
D4	28 Aug 2019	Animal Life	None
D4	28 Aug 2019	Floatables	None
D4	28 Aug 2019	Water Color	Green
D4	28 Aug 2019	Current Direction	N
D4	28 Aug 2019	Water Temp (C)	23.4
D4	28 Aug 2019	Wave Height Low (ft)	3
D4	28 Aug 2019	High Tide (ft)	4.4
D4	28 Aug 2019	High Tide Time	852
D4	28 Aug 2019	Low Tide (ft)	1.6
D4	28 Aug 2019	Low Tide Time	1409
D4	28 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	07 Aug 2019	Arrive Time	1052
D5	07 Aug 2019	Weather	Cloudy
D5	07 Aug 2019	Wind Speed (kts)	0.7
D5	07 Aug 2019	Wind Dir	W
D5	07 Aug 2019	Animal Life	None
D5	07 Aug 2019	Floatables	None
D5	07 Aug 2019	Water Color	Green
D5	07 Aug 2019	Current Direction	N
D5	07 Aug 2019	Water Temp (C)	22
D5	07 Aug 2019	Wave Height Low (ft)	2
D5	07 Aug 2019	High Tide (ft)	5.1
D5	07 Aug 2019	High Tide Time	1535
D5	07 Aug 2019	Low Tide (ft)	1.4
D5	07 Aug 2019	Low Tide Time	852
D5	07 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	14 Aug 2019	Arrive Time	749
D5	14 Aug 2019	Weather	Overcast
D5	14 Aug 2019	Wind Speed (kts)	4
D5	14 Aug 2019	Wind Dir	S
D5	14 Aug 2019	Animal Life	None
D5	14 Aug 2019	Floatables	Foam
D5	14 Aug 2019	Water Color	Green
D5	14 Aug 2019	Current Direction	S
D5	14 Aug 2019	Water Temp (C)	21.4
D5	14 Aug 2019	Wave Height Low (ft)	2
D5	14 Aug 2019	High Tide (ft)	4.2
D5	14 Aug 2019	High Tide Time	957
D5	14 Aug 2019	Low Tide (ft)	-0.4
D5	14 Aug 2019	Low Tide Time	344
D5	14 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	21 Aug 2019	Arrive Time	1012
D5	21 Aug 2019	Weather	Overcast
D5	21 Aug 2019	Wind Speed (kts)	3.1
D5	21 Aug 2019	Wind Dir	E
D5	21 Aug 2019	Animal Life	1 Seagull
D5	21 Aug 2019	Floatables	Foam
D5	21 Aug 2019	Water Color	Green
D5	21 Aug 2019	Current Direction	E
D5	21 Aug 2019	Water Temp (C)	21.7
D5	21 Aug 2019	Wave Height Low (ft)	2

Station	Date	Parameter	Value
D5	21 Aug 2019	High Tide (ft)	4.4
D5	21 Aug 2019	High Tide Time	1324
D5	21 Aug 2019	Low Tide (ft)	1.5
D5	21 Aug 2019	Low Tide Time	652
D5	21 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	28 Aug 2019	Arrive Time	913
D5	28 Aug 2019	Weather	Cloudy
D5	28 Aug 2019	Wind Speed (kts)	1.8
D5	28 Aug 2019	Wind Dir	W
D5	28 Aug 2019	Animal Life	None
D5	28 Aug 2019	Floatables	None
D5	28 Aug 2019	Water Color	Green
D5	28 Aug 2019	Current Direction	N
D5	28 Aug 2019	Water Temp (C)	23.1
D5	28 Aug 2019	Wave Height Low (ft)	3
D5	28 Aug 2019	High Tide (ft)	4.4
D5	28 Aug 2019	High Tide Time	852
D5	28 Aug 2019	Low Tide (ft)	1.6
D5	28 Aug 2019	Low Tide Time	1409
D5	28 Aug 2019	Comments	Kelp; Seagrass; Sewage-like odor; Water clear
D7	07 Aug 2019	Arrive Time	1020
D7	07 Aug 2019	Weather	Cloudy
D7	07 Aug 2019	Wind Speed (kts)	2.8
D7	07 Aug 2019	Wind Dir	W
D7	07 Aug 2019	Animal Life	None
D7	07 Aug 2019	Floatables	None
D7	07 Aug 2019	Water Color	Green
D7	07 Aug 2019	Current Direction	N
D7	07 Aug 2019	Water Temp (C)	21.4
D7	07 Aug 2019	Wave Height Low (ft)	3
D7	07 Aug 2019	High Tide (ft)	5.1
D7	07 Aug 2019	High Tide Time	1535
D7	07 Aug 2019	Low Tide (ft)	1.4
D7	07 Aug 2019	Low Tide Time	852
D7	07 Aug 2019	Comments	Kelp; Seagrass; Algae; 2 Persons; 6 Surfers; Water clear
D7	14 Aug 2019	Arrive Time	825
D7	14 Aug 2019	Weather	Overcast
D7	14 Aug 2019	Wind Speed (kts)	4.8
D7	14 Aug 2019	Wind Dir	S
D7	14 Aug 2019	Animal Life	None
D7	14 Aug 2019	Floatables	None
D7	14 Aug 2019	Water Color	Green
D7	14 Aug 2019	Current Direction	S
D7	14 Aug 2019	Water Temp (C)	21.2
D7	14 Aug 2019	Wave Height Low (ft)	2
D7	14 Aug 2019	High Tide (ft)	4.2
D7	14 Aug 2019	High Tide Time	957
D7	14 Aug 2019	Low Tide (ft)	-0.4
D7	14 Aug 2019	Low Tide Time	344
D7	14 Aug 2019	Comments	Kelp; Seagrass; Algae; 14 Surfers; Water clear
D7	21 Aug 2019	Arrive Time	947

Station	Date	Parameter	Value
D7	21 Aug 2019	Weather	Overcast
D7	21 Aug 2019	Wind Speed (kts)	1.9
D7	21 Aug 2019	Wind Dir	E
D7	21 Aug 2019	Animal Life	1 Dog; 3 Seagulls
D7	21 Aug 2019	Floatables	None
D7	21 Aug 2019	Water Color	Green
D7	21 Aug 2019	Current Direction	E
D7	21 Aug 2019	Water Temp (C)	21
D7	21 Aug 2019	Wave Height Low (ft)	3
D7	21 Aug 2019	High Tide (ft)	4.4
D7	21 Aug 2019	High Tide Time	1324
D7	21 Aug 2019	Low Tide (ft)	1.5
D7	21 Aug 2019	Low Tide Time	652
D7	21 Aug 2019	Comments	Kelp; Seagrass; Algae; 2 Persons; 3 Surfers; 1 Boat; Water clear
D7	28 Aug 2019	Arrive Time	934
D7	28 Aug 2019	Weather	Cloudy
D7	28 Aug 2019	Wind Speed (kts)	1.1
D7	28 Aug 2019	Wind Dir	W
D7	28 Aug 2019	Animal Life	None
D7	28 Aug 2019	Floatables	None
D7	28 Aug 2019	Water Color	Green
D7	28 Aug 2019	Current Direction	N
D7	28 Aug 2019	Water Temp (C)	22.7
D7	28 Aug 2019	Wave Height Low (ft)	3
D7	28 Aug 2019	High Tide (ft)	4.4
D7	28 Aug 2019	High Tide Time	852
D7	28 Aug 2019	Low Tide (ft)	1.6
D7	28 Aug 2019	Low Tide Time	1409
D7	28 Aug 2019	Comments	Kelp; Seagrass; Water clear
D8-B	07 Aug 2019	Arrive Time	1004
D8-B	07 Aug 2019	Weather	Cloudy
D8-B	07 Aug 2019	Wind Speed (kts)	0.4
D8-B	07 Aug 2019	Wind Dir	W
D8-B	07 Aug 2019	Animal Life	None
D8-B	07 Aug 2019	Floatables	None
D8-B	07 Aug 2019	Water Color	Green
D8-B	07 Aug 2019	Current Direction	N
D8-B	07 Aug 2019	Water Temp (C)	21.6
D8-B	07 Aug 2019	Wave Height Low (ft)	3
D8-B	07 Aug 2019	High Tide (ft)	5.1
D8-B	07 Aug 2019	High Tide Time	1535
D8-B	07 Aug 2019	Low Tide (ft)	1.4
D8-B	07 Aug 2019	Low Tide Time	852
D8-B	07 Aug 2019	Comments	Kelp; Seagrass; Water clear
D8-B	14 Aug 2019	Arrive Time	853
D8-B	14 Aug 2019	Weather	Overcast
D8-B	14 Aug 2019	Wind Speed (kts)	1.9
D8-B	14 Aug 2019	Wind Dir	NE
D8-B	14 Aug 2019	Animal Life	1 Dog
D8-B	14 Aug 2019	Floatables	Foam
D8-B	14 Aug 2019	Water Color	Green
D8-B	14 Aug 2019	Current Direction	NE

Station	Date	Parameter	Value
D8-B	14 Aug 2019	Water Temp (C)	20.9
D8-B	14 Aug 2019	Wave Height Low (ft)	1
D8-B	14 Aug 2019	High Tide (ft)	4.2
D8-B	14 Aug 2019	High Tide Time	957
D8-B	14 Aug 2019	Low Tide (ft)	-0.4
D8-B	14 Aug 2019	Low Tide Time	344
D8-B	14 Aug 2019	Comments	Kelp; Seagrass; Algae; 1 Person; Water clear
D8-B	21 Aug 2019	Arrive Time	925
D8-B	21 Aug 2019	Weather	Overcast
D8-B	21 Aug 2019	Wind Speed (kts)	3.3
D8-B	21 Aug 2019	Wind Dir	NE
D8-B	21 Aug 2019	Animal Life	None
D8-B	21 Aug 2019	Floatables	None
D8-B	21 Aug 2019	Water Color	Green
D8-B	21 Aug 2019	Current Direction	NE
D8-B	21 Aug 2019	Water Temp (C)	20.6
D8-B	21 Aug 2019	Wave Height Low (ft)	2
D8-B	21 Aug 2019	High Tide (ft)	4.4
D8-B	21 Aug 2019	High Tide Time	1324
D8-B	21 Aug 2019	Low Tide (ft)	1.5
D8-B	21 Aug 2019	Low Tide Time	652
D8-B	21 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D8-B	28 Aug 2019	Arrive Time	941
D8-B	28 Aug 2019	Weather	Cloudy
D8-B	28 Aug 2019	Wind Speed (kts)	2.4
D8-B	28 Aug 2019	Wind Dir	W
D8-B	28 Aug 2019	Animal Life	None
D8-B	28 Aug 2019	Floatables	None
D8-B	28 Aug 2019	Water Color	Green
D8-B	28 Aug 2019	Current Direction	N
D8-B	28 Aug 2019	Water Temp (C)	23
D8-B	28 Aug 2019	Wave Height Low (ft)	2
D8-B	28 Aug 2019	High Tide (ft)	4.4
D8-B	28 Aug 2019	High Tide Time	852
D8-B	28 Aug 2019	Low Tide (ft)	1.6
D8-B	28 Aug 2019	Low Tide Time	1409
D8-B	28 Aug 2019	Comments	Kelp; Seagrass; Algae; 2 Persons; Water clear
D9	07 Aug 2019	Arrive Time	954
D9	07 Aug 2019	Weather	Cloudy
D9	07 Aug 2019	Wind Speed (kts)	0.8
D9	07 Aug 2019	Wind Dir	W
D9	07 Aug 2019	Animal Life	None
D9	07 Aug 2019	Floatables	None
D9	07 Aug 2019	Water Color	Green
D9	07 Aug 2019	Current Direction	N
D9	07 Aug 2019	Water Temp (C)	21
D9	07 Aug 2019	Wave Height Low (ft)	2
D9	07 Aug 2019	High Tide (ft)	5.1
D9	07 Aug 2019	High Tide Time	1535
D9	07 Aug 2019	Low Tide (ft)	1.4
D9	07 Aug 2019	Low Tide Time	852
D9	07 Aug 2019	Comments	Kelp; Seagrass; Algae; 8 Persons; Water clear

Station	Date	Parameter	Value
D9	14 Aug 2019	Arrive Time	909
D9	14 Aug 2019	Weather	Overcast
D9	14 Aug 2019	Wind Speed (kts)	3.1
D9	14 Aug 2019	Wind Dir	E
D9	14 Aug 2019	Animal Life	None
D9	14 Aug 2019	Floatables	Foam
D9	14 Aug 2019	Water Color	Green
D9	14 Aug 2019	Current Direction	E
D9	14 Aug 2019	Water Temp (C)	20.7
D9	14 Aug 2019	Wave Height Low (ft)	2
D9	14 Aug 2019	High Tide (ft)	4.2
D9	14 Aug 2019	High Tide Time	957
D9	14 Aug 2019	Low Tide (ft)	-0.4
D9	14 Aug 2019	Low Tide Time	344
D9	14 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D9	21 Aug 2019	Arrive Time	902
D9	21 Aug 2019	Weather	Overcast
D9	21 Aug 2019	Wind Speed (kts)	4.6
D9	21 Aug 2019	Wind Dir	E
D9	21 Aug 2019	Animal Life	2 Dogs
D9	21 Aug 2019	Floatables	None
D9	21 Aug 2019	Water Color	Green
D9	21 Aug 2019	Current Direction	E
D9	21 Aug 2019	Water Temp (C)	21
D9	21 Aug 2019	Wave Height Low (ft)	3
D9	21 Aug 2019	High Tide (ft)	4.4
D9	21 Aug 2019	High Tide Time	1324
D9	21 Aug 2019	Low Tide (ft)	1.5
D9	21 Aug 2019	Low Tide Time	652
D9	21 Aug 2019	Comments	Kelp; Seagrass; Debris; 8 Persons; Water clear
D9	28 Aug 2019	Arrive Time	1008
D9	28 Aug 2019	Weather	Cloudy
D9	28 Aug 2019	Wind Speed (kts)	2.4
D9	28 Aug 2019	Wind Dir	W
D9	28 Aug 2019	Animal Life	None
D9	28 Aug 2019	Floatables	None
D9	28 Aug 2019	Water Color	Green
D9	28 Aug 2019	Current Direction	N
D9	28 Aug 2019	Water Temp (C)	23.4
D9	28 Aug 2019	Wave Height Low (ft)	3
D9	28 Aug 2019	High Tide (ft)	4.4
D9	28 Aug 2019	High Tide Time	852
D9	28 Aug 2019	Low Tide (ft)	1.6
D9	28 Aug 2019	Low Tide Time	1409
D9	28 Aug 2019	Comments	Kelp; Seagrass; Algae; Water clear
D10	07 Aug 2019	Arrive Time	936
D10	07 Aug 2019	Weather	Cloudy
D10	07 Aug 2019	Wind Speed (kts)	2.1
D10	07 Aug 2019	Wind Dir	W
D10	07 Aug 2019	Animal Life	2 Dogs
D10	07 Aug 2019	Floatables	None

Station	Date	Parameter	Value
D10	07 Aug 2019	Water Color	Green
D10	07 Aug 2019	Current Direction	N
D10	07 Aug 2019	Water Temp (C)	21.2
D10	07 Aug 2019	Wave Height Low (ft)	3
D10	07 Aug 2019	High Tide (ft)	5.1
D10	07 Aug 2019	High Tide Time	1535
D10	07 Aug 2019	Low Tide (ft)	1.4
D10	07 Aug 2019	Low Tide Time	852
D10	07 Aug 2019	Comments	Kelp; Seagrass; 6 Persons; 19 Surfers; Water clear
D10	14 Aug 2019	Arrive Time	920
D10	14 Aug 2019	Weather	Overcast
D10	14 Aug 2019	Wind Speed (kts)	4.4
D10	14 Aug 2019	Wind Dir	SE
D10	14 Aug 2019	Animal Life	2 Godwits; 4 Pigeons; 18 Seagulls
D10	14 Aug 2019	Floatables	Foam
D10	14 Aug 2019	Water Color	Green
D10	14 Aug 2019	Current Direction	SE
D10	14 Aug 2019	Water Temp (C)	20.9
D10	14 Aug 2019	Wave Height Low (ft)	3
D10	14 Aug 2019	High Tide (ft)	4.2
D10	14 Aug 2019	High Tide Time	957
D10	14 Aug 2019	Low Tide (ft)	-0.4
D10	14 Aug 2019	Low Tide Time	344
D10	14 Aug 2019	Comments	Kelp; Seagrass; 35 Persons; 8 Surfers; 5 Swimmers; Water clear
D10	21 Aug 2019	Arrive Time	839
D10	21 Aug 2019	Weather	Overcast
D10	21 Aug 2019	Wind Speed (kts)	1.9
D10	21 Aug 2019	Wind Dir	E
D10	21 Aug 2019	Animal Life	1 Dog; 15 Seagulls
D10	21 Aug 2019	Floatables	Foam; Film
D10	21 Aug 2019	Water Color	Green
D10	21 Aug 2019	Current Direction	N
D10	21 Aug 2019	Water Temp (C)	21.5
D10	21 Aug 2019	Wave Height Low (ft)	3
D10	21 Aug 2019	High Tide (ft)	4.4
D10	21 Aug 2019	High Tide Time	1324
D10	21 Aug 2019	Low Tide (ft)	1.5
D10	21 Aug 2019	Low Tide Time	652
D10	21 Aug 2019	Comments	Kelp; Seagrass; 20 Persons; 35 Surfers; 5 Swimmers; Water clear
D10	28 Aug 2019	Arrive Time	1017
D10	28 Aug 2019	Weather	Cloudy
D10	28 Aug 2019	Wind Speed (kts)	1.4
D10	28 Aug 2019	Wind Dir	W
D10	28 Aug 2019	Animal Life	None
D10	28 Aug 2019	Floatables	None
D10	28 Aug 2019	Water Color	Green
D10	28 Aug 2019	Current Direction	N
D10	28 Aug 2019	Water Temp (C)	23.3
D10	28 Aug 2019	Wave Height Low (ft)	4
D10	28 Aug 2019	High Tide (ft)	4.4
D10	28 Aug 2019	High Tide Time	852
D10	28 Aug 2019	Low Tide (ft)	1.6

Station	Date	Parameter	Value
D10	28 Aug 2019	Low Tide Time	1409
D10	28 Aug 2019	Comments	Kelp; Seagrass; 2 Joggers; 8 Persons; 16 Surfers; Water clear
D11	07 Aug 2019	Arrive Time	907
D11	07 Aug 2019	Weather	Cloudy
D11	07 Aug 2019	Wind Speed (kts)	2.1
D11	07 Aug 2019	Wind Dir	W
D11	07 Aug 2019	Animal Life	None
D11	07 Aug 2019	Floatables	None
D11	07 Aug 2019	Water Color	Green
D11	07 Aug 2019	Current Direction	N
D11	07 Aug 2019	Water Temp (C)	22.3
D11	07 Aug 2019	Wave Height Low (ft)	3
D11	07 Aug 2019	High Tide (ft)	3.7
D11	07 Aug 2019	High Tide Time	253
D11	07 Aug 2019	Low Tide (ft)	1.4
D11	07 Aug 2019	Low Tide Time	852
D11	07 Aug 2019	Comments	Kelp; Seagrass; Algae; 4 Persons; 6 Surfers; Water clear
D11	14 Aug 2019	Arrive Time	941
D11	14 Aug 2019	Weather	Overcast
D11	14 Aug 2019	Wind Speed (kts)	4.4
D11	14 Aug 2019	Wind Dir	E
D11	14 Aug 2019	Animal Life	1 Shorebird; 1 Seagull
D11	14 Aug 2019	Floatables	Foam
D11	14 Aug 2019	Water Color	Green
D11	14 Aug 2019	Current Direction	E
D11	14 Aug 2019	Water Temp (C)	21.4
D11	14 Aug 2019	Wave Height Low (ft)	3
D11	14 Aug 2019	High Tide (ft)	4.2
D11	14 Aug 2019	High Tide Time	957
D11	14 Aug 2019	Low Tide (ft)	1.8
D11	14 Aug 2019	Low Tide Time	1511
D11	14 Aug 2019	Comments	Kelp; Seagrass; 2 Joggers; 26 Persons; 37 Surfers; Water clear
D11	21 Aug 2019	Arrive Time	823
D11	21 Aug 2019	Weather	Overcast
D11	21 Aug 2019	Wind Speed (kts)	2.3
D11	21 Aug 2019	Wind Dir	E
D11	21 Aug 2019	Animal Life	3 Dogs; 12 Seagulls
D11	21 Aug 2019	Floatables	Foam
D11	21 Aug 2019	Water Color	Green
D11	21 Aug 2019	Current Direction	E
D11	21 Aug 2019	Water Temp (C)	21.5
D11	21 Aug 2019	Wave Height Low (ft)	3
D11	21 Aug 2019	High Tide (ft)	4.4
D11	21 Aug 2019	High Tide Time	1324
D11	21 Aug 2019	Low Tide (ft)	1.5
D11	21 Aug 2019	Low Tide Time	652
D11	21 Aug 2019	Comments	Kelp; Seagrass; 1 Jogger; 6 Persons; 17 Surfers; 2 Boats; 1 Fisherman; Water clear
D11	28 Aug 2019	Arrive Time	1045
D11	28 Aug 2019	Weather	Cloudy
D11	28 Aug 2019	Wind Speed (kts)	4.8

Station	Date	Parameter	Value
D11	28 Aug 2019	Wind Dir	W
D11	28 Aug 2019	Animal Life	None
D11	28 Aug 2019	Floatables	None
D11	28 Aug 2019	Water Color	Green
D11	28 Aug 2019	Current Direction	N
D11	28 Aug 2019	Water Temp (C)	23
D11	28 Aug 2019	Wave Height Low (ft)	3
D11	28 Aug 2019	High Tide (ft)	4.4
D11	28 Aug 2019	High Tide Time	852
D11	28 Aug 2019	Low Tide (ft)	1.6
D11	28 Aug 2019	Low Tide Time	1409
D11	28 Aug 2019	Comments	Kelp; Seagrass; 2 Persons; Water clear
D12	07 Aug 2019	Arrive Time	843
D12	07 Aug 2019	Weather	Cloudy
D12	07 Aug 2019	Wind Speed (kts)	1.8
D12	07 Aug 2019	Wind Dir	W
D12	07 Aug 2019	Animal Life	None
D12	07 Aug 2019	Floatables	None
D12	07 Aug 2019	Water Color	Green
D12	07 Aug 2019	Current Direction	N
D12	07 Aug 2019	Water Temp (C)	21.3
D12	07 Aug 2019	Wave Height Low (ft)	3
D12	07 Aug 2019	High Tide (ft)	3.7
D12	07 Aug 2019	High Tide Time	253
D12	07 Aug 2019	Low Tide (ft)	1.4
D12	07 Aug 2019	Low Tide Time	852
D12	07 Aug 2019	Comments	Kelp; Seagrass; 3 Joggers; 2 Persons; Water clear
D12	14 Aug 2019	Arrive Time	1009
D12	14 Aug 2019	Weather	Overcast
D12	14 Aug 2019	Wind Speed (kts)	7.5
D12	14 Aug 2019	Wind Dir	SE
D12	14 Aug 2019	Animal Life	None
D12	14 Aug 2019	Floatables	None
D12	14 Aug 2019	Water Color	Green
D12	14 Aug 2019	Current Direction	SE
D12	14 Aug 2019	Water Temp (C)	22.3
D12	14 Aug 2019	Wave Height Low (ft)	3
D12	14 Aug 2019	High Tide (ft)	4.2
D12	14 Aug 2019	High Tide Time	957
D12	14 Aug 2019	Low Tide (ft)	1.8
D12	14 Aug 2019	Low Tide Time	1511
D12	14 Aug 2019	Comments	Kelp; Seagrass; 200 Persons; 6 Surfers; 40 Swimmers; Water clear
D12	21 Aug 2019	Arrive Time	802
D12	21 Aug 2019	Weather	Overcast
D12	21 Aug 2019	Wind Speed (kts)	2.3
D12	21 Aug 2019	Wind Dir	E
D12	21 Aug 2019	Animal Life	6 Godwits; 40 Seagulls
D12	21 Aug 2019	Floatables	Foam
D12	21 Aug 2019	Water Color	Green
D12	21 Aug 2019	Current Direction	N
D12	21 Aug 2019	Water Temp (C)	21.6

Station	Date	Parameter	Value
D12	21 Aug 2019	Wave Height Low (ft)	3
D12	21 Aug 2019	High Tide (ft)	4.4
D12	21 Aug 2019	High Tide Time	1324
D12	21 Aug 2019	Low Tide (ft)	1.5
D12	21 Aug 2019	Low Tide Time	652
D12	21 Aug 2019	Comments	Kelp; Seagrass; 5 Persons; 1 Surfer; 1 Swimmer; Water clear
D12	28 Aug 2019	Arrive Time	1116
D12	28 Aug 2019	Weather	Partly Cloudy
D12	28 Aug 2019	Wind Speed (kts)	2.3
D12	28 Aug 2019	Wind Dir	W
D12	28 Aug 2019	Animal Life	None
D12	28 Aug 2019	Floatables	None
D12	28 Aug 2019	Water Color	Green
D12	28 Aug 2019	Current Direction	N
D12	28 Aug 2019	Water Temp (C)	23.7
D12	28 Aug 2019	Wave Height Low (ft)	3
D12	28 Aug 2019	High Tide (ft)	4.4
D12	28 Aug 2019	High Tide Time	852
D12	28 Aug 2019	Low Tide (ft)	1.6
D12	28 Aug 2019	Low Tide Time	1409
D12	28 Aug 2019	Comments	Kelp; Seagrass; 2 Joggers; 8 Persons; 4 Swimmers; Water clear

Kelp Stations

Table 3.1

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2019	4*	5*	9*	6*	6*	5*	4*	6*
02 Aug 2019	4*	5*	9*	6*	6*	5*	4*	6*
03 Aug 2019	4*	5*	9*	6*	6*	5*	4*	6*
04 Aug 2019	4*	5*	9*	6*	6*	5*	4*	6*
05 Aug 2019	4	5	6	7	5	6	5	5
06 Aug 2019	4	5	6	7	5	6	5	5
07 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
08 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
09 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
10 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
11 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
12 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
13 Aug 2019	4*	6*	9*	10*	6*	7*	6*	6*
14 Aug 2019	3*	5*	4*	8*	4*	7*	7*	5*
15 Aug 2019	4*	6*	7*	9*	5*	7*	6*	6*
16 Aug 2019	4*	6*	7*	9*	5*	7*	6*	6*
17 Aug 2019	4*	6*	7*	9*	5*	7*	6*	6*
18 Aug 2019	4*	6*	7*	9*	5*	7*	6*	6*
19 Aug 2019	5	5	5	7	4	6	5	6
20 Aug 2019	5	5	5	7	4	6	5	6
21 Aug 2019	5	5	5	7	4	6	5	6
22 Aug 2019	5	5	5	7	4	6	5	6
23 Aug 2019	4*	4*	4*	5*	3*	5*	4*	4*
24 Aug 2019	4*	4*	4*	5*	3*	5*	4*	4*
25 Aug 2019	4*	4*	4*	5*	3*	5*	4*	4*
26 Aug 2019	4*	4*	4*	5*	3*	5*	4*	4*
27 Aug 2019	4*	4*	4*	5*	3*	5*	4*	4*
28 Aug 2019	5	4	5	6	4	6	4	5
29 Aug 2019	6*	5*	6*	9*	5*	7*	4*	7*
30 Aug 2019	6*	5*	6*	9*	5*	7*	4*	7*
31 Aug 2019	6*	5*	6*	9*	5*	7*	4*	7*

* Geometric mean calculated using n<5

Table 3.2

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
02 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
03 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
04 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
05 Aug 2019	2	2	2	2	2	2	2	2
06 Aug 2019	2	2	2	2	2	2	2	2
07 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
08 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
09 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
10 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
11 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
12 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
13 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
14 Aug 2019	2*	2*	3*	2*	2*	2*	2*	3*
15 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
16 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
17 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
18 Aug 2019	2*	2*	2*	2*	2*	2*	2*	3*
19 Aug 2019	2	2	2	2	2	2	2	2
20 Aug 2019	2	2	2	2	2	2	2	2
21 Aug 2019	2	2	2	2	2	2	2	2
22 Aug 2019	2	2	2	2	2	2	2	2
23 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
24 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
25 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
26 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
27 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
28 Aug 2019	2	2	2	2	2	2	2	2
29 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
30 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
31 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*

* Geometric mean calculated using n<5

Table 3.3

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
02 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
03 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
04 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
05 Aug 2019	2	2	2	2	2	2	2	2
06 Aug 2019	2	2	2	2	2	2	2	2
07 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
08 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
09 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
10 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
11 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
12 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
13 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
14 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
15 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
16 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
17 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
18 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
19 Aug 2019	2	2	2	2	2	2	2	2
20 Aug 2019	2	2	2	2	2	2	2	2
21 Aug 2019	2	2	2	2	2	2	2	2
22 Aug 2019	2	2	2	2	2	2	2	2
23 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
24 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
25 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
26 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
27 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
28 Aug 2019	2	2	2	2	2	2	2	2
29 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
30 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*
31 Aug 2019	2*	2*	2*	2*	2*	2*	2*	2*

* Geometric mean calculated using n<5

Table 3.4

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
05 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
19 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
05 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
19 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
05 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
19 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.7

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
05 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
19 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC
28 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

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; 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	Temp	XMS	DO	Sal	pH
A1	05 Aug 2019	759	1	<2	<2	<2	1.00	16.6	75.03	8.9	33.63	8.1
A1	05 Aug 2019	759	12	<2	<2	<2	1.00	14.2	74.85	7.2	33.61	8.1
A1	05 Aug 2019	759	18	<2	<2	<2	1.00	13.4	80.18	6.3	33.62	8.1
A1	15 Aug 2019	755	1	<2	<2	<2	1.00	14.4	75.33	7.7	33.58	8.1
A1	15 Aug 2019	755	12	4e	2e	2e	0.50	12.3	84.17	5.4	33.61	8.0
A1	15 Aug 2019	755	18	8e	2e	<2	0.25	12.3	84.48	5.3	33.62	8.0
A1	19 Aug 2019	749	1	<2	<2	<2	1.00	16.6	73.08	8.3	33.60	8.1
A1	19 Aug 2019	749	12	<20	<2	<2	0.10	13.9	77.08	6.5	33.59	8.0
A1	19 Aug 2019	749	18	<20	<2	<2	0.10	13.5	80.62	6.2	33.59	7.9
A1	28 Aug 2019	752	1	<20	<2	<2	0.10	20.5	67.91	8.3	33.67	8.1
A1	28 Aug 2019	752	12	<2	<2	<2	1.00	13.6	86.08	7.6	33.48	8.0
A1	28 Aug 2019	752	18	<2	<2	<2	1.00	13.1	85.13	6.8	33.53	7.9
A6	05 Aug 2019	835	1	<2	<2	<2	1.00	19.4	71.82	9.7	33.68	8.3
A6	05 Aug 2019	835	12	6e	2e	<2	0.33	13.3	77.46	6.1	33.61	8.3
A6	05 Aug 2019	835	18	2e	<2	<2	1.00	12.7	82.71	5.4	33.61	8.2
A6	15 Aug 2019	829	1	<20	<2	<2	0.10	17.0	74.04	9.1	33.61	8.2
A6	15 Aug 2019	829	12	2e	<2	<2	1.00	13.6	76.77	7.1	33.55	8.1
A6	15 Aug 2019	829	18	14e	2e	<2	0.14	12.7	81.94	5.6	33.60	8.0
A6	19 Aug 2019	814	1	<2	<2	<2	1.00	18.5	77.87	9.2	33.60	8.2
A6	19 Aug 2019	814	12	<2	<2	<2	1.00	14.1	74.44	8.0	33.54	8.1
A6	19 Aug 2019	814	18	<2	<2	<2	1.00	14.0	75.73	7.6	33.56	8.1
A6	28 Aug 2019	817	1	<2	<2	<2	1.00	22.1	76.20	8.8	33.67	8.2
A6	28 Aug 2019	817	12	<20	<2	<2	0.10	18.1	72.49	8.1	33.60	8.2
A6	28 Aug 2019	817	18	2e	<2	<2	1.00	15.9	77.22	7.2	33.56	8.1
A7	05 Aug 2019	848	1	<2	<2	<2	1.00	19.6	75.80	8.7	33.69	8.2
A7	05 Aug 2019	848	12	<2	<2	<2	1.00	14.3	72.48	7.8	33.62	8.2
A7	05 Aug 2019	848	18	<2	2e	<2	1.00	13.1	81.94	5.7	33.62	8.2
A7	15 Aug 2019	813	1	<2	<2	<2	1.00	17.6	73.91	8.5	33.62	8.2
A7	15 Aug 2019	813	12	2e	<2	<2	1.00	12.5	82.95	5.4	33.60	8.0
A7	15 Aug 2019	813	18	80e	<2	<2	0.02	12.3	84.38	5.2	33.62	8.0
A7	19 Aug 2019	801	1	<2	<2	<2	1.00	17.6	76.21	9.0	33.59	8.2
A7	19 Aug 2019	801	12	<2	<2	<2	1.00	15.3	72.86	8.4	33.56	8.1
A7	19 Aug 2019	801	18	<2	<2	<2	1.00	13.9	75.61	6.6	33.60	8.0
A7	28 Aug 2019	805	1	<20	<2	<2	0.10	20.6	75.05	8.3	33.64	8.2
A7	28 Aug 2019	805	12	<2	<2	<2	1.00	14.7	82.46	7.6	33.49	8.0
A7	28 Aug 2019	805	18	<20	<2	<2	0.10	13.2	86.31	6.8	33.54	8.0

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
C4	05 Aug 2019	934	1	<20	<2	<2	0.10	19.9	76.06	9.2	33.70	8.3
C4	05 Aug 2019	934	3	<20	<2	<2	0.10	18.3	74.66	9.4	33.74	8.3
C4	05 Aug 2019	934	9	<2	<2	<2	1.00	13.9	80.73	3.7	33.62	8.2
C4	15 Aug 2019	945	1	<20	6e	<2	0.30	18.8	75.82	8.5	33.63	8.2
C4	15 Aug 2019	945	3	<20	2e	<2	0.10	17.8	74.63	7.3	33.72	8.2
C4	15 Aug 2019	945	9	<2	<2	<2	1.00	13.7	81.93	5.2	33.59	8.0
C4	19 Aug 2019	927	1	2e	<2	<2	1.00	18.9	76.69	9.0	33.61	8.2
C4	19 Aug 2019	927	3	<2	<2	<2	1.00	17.8	76.15	8.1	33.62	8.2
C4	19 Aug 2019	927	9	<2	<2	<2	1.00	14.3	81.50	4.8	33.58	7.9
C4	28 Aug 2019	927	1	<2	<2	<2	1.00	22.2	72.76	8.6	33.68	8.2
C4	28 Aug 2019	927	3	<20	<2	<2	0.10	20.6	72.96	6.8	33.72	8.2
C4	28 Aug 2019	927	9	<20	<2	<2	0.10	15.1	79.82	3.8	33.55	7.8
C5	05 Aug 2019	925	1	<2	<2	<2	1.00	19.8	75.94	9.1	33.69	8.3
C5	05 Aug 2019	925	3	<2	<2	<2	1.00	18.3	71.67	8.7	33.68	8.3
C5	05 Aug 2019	925	9	2e	<2	<2	1.00	14.1	82.63	5.4	33.65	8.2
C5	15 Aug 2019	934	1	<2	<2	<2	1.00	18.1	73.48	8.1	33.61	8.2
C5	15 Aug 2019	934	3	<20	2e	<2	0.10	17.2	70.69	8.2	33.74	8.2
C5	15 Aug 2019	934	9	2e	<2	<2	1.00	13.8	82.05	6.3	33.60	8.0
C5	19 Aug 2019	915	1	<2	<2	<2	1.00	18.9	76.33	9.2	33.60	8.3
C5	19 Aug 2019	915	3	2e	<2	2e	1.00	18.5	75.81	9.1	33.61	8.3
C5	19 Aug 2019	915	9	<2	<2	<2	1.00	14.9	76.92	7.6	33.56	8.1
C5	28 Aug 2019	917	1	<20	<2	<2	0.10	21.8	75.01	8.6	33.66	8.2
C5	28 Aug 2019	917	3	<2	<2	<2	1.00	20.9	74.01	8.1	33.66	8.2
C5	28 Aug 2019	917	9	20e	<2	<2	0.10	14.2	84.89	7.2	33.48	8.0
C6	05 Aug 2019	916	1	<20	<2	<2	0.10	19.6	73.88	9.6	33.68	8.3
C6	05 Aug 2019	916	3	<20	<2	<2	0.10	17.5	71.51	9.4	33.78	8.3
C6	05 Aug 2019	916	9	<2	<2	<2	1.00	13.9	78.69	4.6	33.61	8.2
C6	15 Aug 2019	921	1	<2	2e	2e	1.00	17.9	75.86	9.4	33.61	8.2
C6	15 Aug 2019	921	3	<20	<2	<2	0.10	16.0	72.46	8.4	33.67	8.2
C6	15 Aug 2019	921	9	<2	<2	<2	1.00	13.8	80.28	5.6	33.56	8.0
C6	19 Aug 2019	904	1	<2	<2	<2	1.00	18.0	75.17	8.7	33.61	8.2
C6	19 Aug 2019	904	3	<2	<2	<2	1.00	16.3	78.44	8.1	33.60	8.2
C6	19 Aug 2019	904	9	<2	<2	<2	1.00	13.7	80.88	5.7	33.57	8.0
C6	28 Aug 2019	906	1	<20	<2	<2	0.10	22.5	73.84	9.0	33.68	8.3
C6	28 Aug 2019	906	3	<20	2e	<2	0.10	21.7	73.81	8.6	33.69	8.2
C6	28 Aug 2019	906	9	<2	<2	<2	1.00	15.2	82.60	5.5	33.53	7.9
C7	05 Aug 2019	848	1	<2	<2	<2	1.00	17.9	71.62	10.3	33.69	8.3
C7	05 Aug 2019	848	12	<2	<2	<2	1.00	13.3	77.92	6.5	33.61	8.2
C7	05 Aug 2019	848	18	22e	4e	<2	0.18	12.2	85.52	5.0	33.63	8.2
C7	15 Aug 2019	848	1	4e	<2	<2	0.50	16.3	67.46	9.1	33.60	8.2
C7	15 Aug 2019	848	12	<2	<2	<2	1.00	13.3	79.15	6.4	33.57	8.0

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH
C7	15 Aug 2019	848	18	<2	<2	<2	1.00	12.7	81.18	5.6	33.60	8.0
C7	19 Aug 2019	833	1	2e	<2	<2	1.00	18.0	78.09	9.0	33.60	8.2
C7	19 Aug 2019	833	12	<2	<2	<2	1.00	14.1	74.10	7.5	33.55	8.1
C7	19 Aug 2019	833	18	<2	<2	<2	1.00	13.1	84.26	6.0	33.59	8.0
C7	28 Aug 2019	837	1	<20	<2	<2	0.10	22.0	72.17	9.1	33.65	8.2
C7	28 Aug 2019	837	12	<2	<2	<2	1.00	16.1	77.61	6.5	33.59	8.1
C7	28 Aug 2019	837	18	4e	<2	<2	0.50	13.7	86.11	6.7	33.53	8.0
C8	05 Aug 2019	859	1	<2	<2	<2	1.00	18.2	73.12	9.4	33.66	8.3
C8	05 Aug 2019	859	12	<2	<2	<2	1.00	13.0	78.47	6.3	33.59	8.2
C8	05 Aug 2019	859	18	<2	<2	<2	1.00	12.7	83.83	5.6	33.61	8.2
C8	15 Aug 2019	901	1	<2	<2	<2	1.00	17.4	75.98	9.7	33.61	8.2
C8	15 Aug 2019	901	12	<20	<2	<2	0.10	13.2	71.73	6.6	33.57	8.1
C8	15 Aug 2019	901	18	<2	<2	<2	1.00	12.8	82.44	5.5	33.59	8.0
C8	19 Aug 2019	848	1	<20	<2	<2	0.10	18.4	76.92	8.7	33.58	8.2
C8	19 Aug 2019	848	12	<2	<2	<2	1.00	13.8	75.78	8.0	33.54	8.1
C8	19 Aug 2019	848	18	<2	<2	<2	1.00	13.2	81.62	6.5	33.57	8.0
C8	28 Aug 2019	847	1	<20	<2	<2	0.10	22.6	77.47	8.7	33.67	8.2
C8	28 Aug 2019	847	12	<20	<2	<2	0.10	14.7	84.33	6.9	33.53	8.0
C8	28 Aug 2019	847	18	2e	2e	<2	1.00	13.5	86.50	6.8	33.52	8.0

ns = not sampled

ND = no data

Table 3.9

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

Station	Date	Parameter	Value
A1	05 Aug 2019	Depth (m)	19
A1	05 Aug 2019	Arrive Time	759
A1	05 Aug 2019	Depart Time	811
A1	05 Aug 2019	Air Temp (C)	19
A1	05 Aug 2019	Weather	Cloudy
A1	05 Aug 2019	Visibility (mi)	4
A1	05 Aug 2019	Wind Speed (kts)	3
A1	05 Aug 2019	Wind Dir	W
A1	05 Aug 2019	Water Color	Greenish-Blue
A1	05 Aug 2019	Wave Ht Low (ft)	3
A1	05 Aug 2019	Wave Period (sec)	13
A1	05 Aug 2019	Sea State	Calm
A1	05 Aug 2019	High Tide (ft)	6.33
A1	05 Aug 2019	High Tide Time	2106
A1	05 Aug 2019	Low Tide (ft)	-0.71
A1	05 Aug 2019	Low Tide Time	405
A1	05 Aug 2019	Comments	Kelp
A1	15 Aug 2019	Depth (m)	19
A1	15 Aug 2019	Arrive Time	755
A1	15 Aug 2019	Depart Time	802
A1	15 Aug 2019	Air Temp (C)	18
A1	15 Aug 2019	Weather	Overcast
A1	15 Aug 2019	Visibility (mi)	5
A1	15 Aug 2019	Wind Speed (kts)	3
A1	15 Aug 2019	Wind Dir	W
A1	15 Aug 2019	Water Color	Green
A1	15 Aug 2019	Wave Ht Low (ft)	3
A1	15 Aug 2019	Wave Period (sec)	13
A1	15 Aug 2019	Sea State	Calm
A1	15 Aug 2019	High Tide (ft)	6.33
A1	15 Aug 2019	High Tide Time	2106
A1	15 Aug 2019	Low Tide (ft)	-0.71
A1	15 Aug 2019	Low Tide Time	405
A1	15 Aug 2019	Comments	Kelp
A1	19 Aug 2019	Depth (m)	18
A1	19 Aug 2019	Arrive Time	749
A1	19 Aug 2019	Depart Time	751
A1	19 Aug 2019	Air Temp (C)	19
A1	19 Aug 2019	Weather	Cloudy
A1	19 Aug 2019	Visibility (mi)	4
A1	19 Aug 2019	Wind Speed (kts)	3
A1	19 Aug 2019	Wind Dir	SW
A1	19 Aug 2019	Water Color	Green
A1	19 Aug 2019	Wave Ht Low (ft)	1
A1	19 Aug 2019	Wave Period (sec)	13
A1	19 Aug 2019	Sea State	Calm
A1	19 Aug 2019	High Tide (ft)	6.33
A1	19 Aug 2019	High Tide Time	2106
A1	19 Aug 2019	Low Tide (ft)	-0.71

Station	Date	Parameter	Value
A1	19 Aug 2019	Low Tide Time	405
A1	19 Aug 2019	Comments	Kelp
A1	28 Aug 2019	Depth (m)	18
A1	28 Aug 2019	Arrive Time	752
A1	28 Aug 2019	Depart Time	759
A1	28 Aug 2019	Air Temp (C)	20
A1	28 Aug 2019	Weather	Overcast
A1	28 Aug 2019	Visibility (mi)	7
A1	28 Aug 2019	Wind Speed (kts)	2
A1	28 Aug 2019	Wind Dir	SE
A1	28 Aug 2019	Water Color	Green
A1	28 Aug 2019	Wave Ht Low (ft)	4
A1	28 Aug 2019	Wave Period (sec)	13
A1	28 Aug 2019	Sea State	Light chop
A1	28 Aug 2019	High Tide (ft)	6.33
A1	28 Aug 2019	High Tide Time	2106
A1	28 Aug 2019	Low Tide (ft)	-0.71
A1	28 Aug 2019	Low Tide Time	405
A1	28 Aug 2019	Comments	none
A6	05 Aug 2019	Depth (m)	17
A6	05 Aug 2019	Arrive Time	835
A6	05 Aug 2019	Depart Time	837
A6	05 Aug 2019	Air Temp (C)	19
A6	05 Aug 2019	Weather	Cloudy
A6	05 Aug 2019	Visibility (mi)	4
A6	05 Aug 2019	Wind Speed (kts)	1
A6	05 Aug 2019	Wind Dir	NW
A6	05 Aug 2019	Water Color	Green
A6	05 Aug 2019	Wave Ht Low (ft)	3
A6	05 Aug 2019	Wave Period (sec)	13
A6	05 Aug 2019	Sea State	Calm
A6	05 Aug 2019	High Tide (ft)	6.33
A6	05 Aug 2019	High Tide Time	2106
A6	05 Aug 2019	Low Tide (ft)	-0.71
A6	05 Aug 2019	Low Tide Time	405
A6	05 Aug 2019	Comments	Unable to obtain station target depth of 18 m because of low tide; Kelp
A6	15 Aug 2019	Depth (m)	20
A6	15 Aug 2019	Arrive Time	829
A6	15 Aug 2019	Depart Time	837
A6	15 Aug 2019	Air Temp (C)	18
A6	15 Aug 2019	Weather	Overcast
A6	15 Aug 2019	Visibility (mi)	5
A6	15 Aug 2019	Wind Speed (kts)	2
A6	15 Aug 2019	Wind Dir	NW
A6	15 Aug 2019	Water Color	Green
A6	15 Aug 2019	Wave Ht Low (ft)	3
A6	15 Aug 2019	Wave Period (sec)	13
A6	15 Aug 2019	Sea State	Calm
A6	15 Aug 2019	High Tide (ft)	6.33
A6	15 Aug 2019	High Tide Time	2106
A6	15 Aug 2019	Low Tide (ft)	-0.71

Station	Date	Parameter	Value
A6	15 Aug 2019	Low Tide Time	405
A6	15 Aug 2019	Comments	Kelp
A6	19 Aug 2019	Depth (m)	19
A6	19 Aug 2019	Arrive Time	814
A6	19 Aug 2019	Depart Time	816
A6	19 Aug 2019	Air Temp (C)	19
A6	19 Aug 2019	Weather	Cloudy
A6	19 Aug 2019	Visibility (mi)	4
A6	19 Aug 2019	Wind Speed (kts)	4
A6	19 Aug 2019	Wind Dir	SW
A6	19 Aug 2019	Water Color	Green
A6	19 Aug 2019	Wave Ht Low (ft)	1
A6	19 Aug 2019	Wave Period (sec)	13
A6	19 Aug 2019	Sea State	Calm
A6	19 Aug 2019	High Tide (ft)	6.33
A6	19 Aug 2019	High Tide Time	2106
A6	19 Aug 2019	Low Tide (ft)	-0.71
A6	19 Aug 2019	Low Tide Time	405
A6	19 Aug 2019	Comments	Kelp
A6	28 Aug 2019	Depth (m)	17
A6	28 Aug 2019	Arrive Time	817
A6	28 Aug 2019	Depart Time	829
A6	28 Aug 2019	Air Temp (C)	20
A6	28 Aug 2019	Weather	Overcast
A6	28 Aug 2019	Visibility (mi)	7
A6	28 Aug 2019	Wind Speed (kts)	6
A6	28 Aug 2019	Wind Dir	SE
A6	28 Aug 2019	Water Color	Green
A6	28 Aug 2019	Wave Ht Low (ft)	4
A6	28 Aug 2019	Wave Period (sec)	13
A6	28 Aug 2019	Sea State	Light chop
A6	28 Aug 2019	High Tide (ft)	6.33
A6	28 Aug 2019	High Tide Time	2106
A6	28 Aug 2019	Low Tide (ft)	-0.71
A6	28 Aug 2019	Low Tide Time	405
A6	28 Aug 2019	Comments	none
A7	05 Aug 2019	Depth (m)	18
A7	05 Aug 2019	Arrive Time	820
A7	05 Aug 2019	Depart Time	821
A7	05 Aug 2019	Air Temp (C)	19
A7	05 Aug 2019	Weather	Cloudy
A7	05 Aug 2019	Visibility (mi)	4
A7	05 Aug 2019	Wind Speed (kts)	4
A7	05 Aug 2019	Wind Dir	SW
A7	05 Aug 2019	Water Color	Green
A7	05 Aug 2019	Wave Ht Low (ft)	3
A7	05 Aug 2019	Wave Period (sec)	13
A7	05 Aug 2019	Sea State	Calm
A7	05 Aug 2019	High Tide (ft)	6.33
A7	05 Aug 2019	High Tide Time	2106
A7	05 Aug 2019	Low Tide (ft)	-0.71
A7	05 Aug 2019	Low Tide Time	405

Station	Date	Parameter	Value
A7	05 Aug 2019	Comments	none
A7	15 Aug 2019	Depth (m)	21
A7	15 Aug 2019	Arrive Time	813
A7	15 Aug 2019	Depart Time	818
A7	15 Aug 2019	Air Temp (C)	18
A7	15 Aug 2019	Weather	Overcast
A7	15 Aug 2019	Visibility (mi)	5
A7	15 Aug 2019	Wind Speed (kts)	3
A7	15 Aug 2019	Wind Dir	W
A7	15 Aug 2019	Water Color	Green
A7	15 Aug 2019	Wave Ht Low (ft)	3
A7	15 Aug 2019	Wave Period (sec)	13
A7	15 Aug 2019	Sea State	Calm
A7	15 Aug 2019	High Tide (ft)	6.33
A7	15 Aug 2019	High Tide Time	2106
A7	15 Aug 2019	Low Tide (ft)	-0.71
A7	15 Aug 2019	Low Tide Time	405
A7	15 Aug 2019	Comments	Kelp
A7	19 Aug 2019	Depth (m)	18
A7	19 Aug 2019	Arrive Time	801
A7	19 Aug 2019	Depart Time	803
A7	19 Aug 2019	Air Temp (C)	19
A7	19 Aug 2019	Weather	Cloudy
A7	19 Aug 2019	Visibility (mi)	4
A7	19 Aug 2019	Wind Speed (kts)	3
A7	19 Aug 2019	Wind Dir	S
A7	19 Aug 2019	Water Color	Green
A7	19 Aug 2019	Wave Ht Low (ft)	1
A7	19 Aug 2019	Wave Period (sec)	13
A7	19 Aug 2019	Sea State	Calm
A7	19 Aug 2019	High Tide (ft)	6.33
A7	19 Aug 2019	High Tide Time	2106
A7	19 Aug 2019	Low Tide (ft)	-0.71
A7	19 Aug 2019	Low Tide Time	405
A7	19 Aug 2019	Comments	none
A7	28 Aug 2019	Depth (m)	21
A7	28 Aug 2019	Arrive Time	805
A7	28 Aug 2019	Depart Time	811
A7	28 Aug 2019	Air Temp (C)	20
A7	28 Aug 2019	Weather	Overcast
A7	28 Aug 2019	Visibility (mi)	7
A7	28 Aug 2019	Wind Speed (kts)	5
A7	28 Aug 2019	Wind Dir	E
A7	28 Aug 2019	Water Color	Green
A7	28 Aug 2019	Wave Ht Low (ft)	4
A7	28 Aug 2019	Wave Period (sec)	13
A7	28 Aug 2019	Sea State	Light chop
A7	28 Aug 2019	High Tide (ft)	6.33
A7	28 Aug 2019	High Tide Time	2106
A7	28 Aug 2019	Low Tide (ft)	-0.71
A7	28 Aug 2019	Low Tide Time	405
A7	28 Aug 2019	Comments	none

Station	Date	Parameter	Value
C4	05 Aug 2019	Depth (m)	11
C4	05 Aug 2019	Arrive Time	934
C4	05 Aug 2019	Depart Time	936
C4	05 Aug 2019	Air Temp (C)	20
C4	05 Aug 2019	Weather	Cloudy
C4	05 Aug 2019	Visibility (mi)	4
C4	05 Aug 2019	Wind Speed (kts)	3
C4	05 Aug 2019	Wind Dir	W
C4	05 Aug 2019	Water Color	Green
C4	05 Aug 2019	Wave Ht Low (ft)	3
C4	05 Aug 2019	Wave Period (sec)	13
C4	05 Aug 2019	Sea State	Calm
C4	05 Aug 2019	High Tide (ft)	6.33
C4	05 Aug 2019	High Tide Time	2106
C4	05 Aug 2019	Low Tide (ft)	-0.71
C4	05 Aug 2019	Low Tide Time	405
C4	05 Aug 2019	Comments	Kelp; Kelp debris
C4	15 Aug 2019	Depth (m)	13
C4	15 Aug 2019	Arrive Time	945
C4	15 Aug 2019	Depart Time	953
C4	15 Aug 2019	Air Temp (C)	18
C4	15 Aug 2019	Weather	Overcast
C4	15 Aug 2019	Visibility (mi)	5
C4	15 Aug 2019	Wind Speed (kts)	2
C4	15 Aug 2019	Wind Dir	W
C4	15 Aug 2019	Water Color	Green
C4	15 Aug 2019	Wave Ht Low (ft)	3
C4	15 Aug 2019	Wave Period (sec)	13
C4	15 Aug 2019	Sea State	Wind ripples
C4	15 Aug 2019	High Tide (ft)	6.33
C4	15 Aug 2019	High Tide Time	2106
C4	15 Aug 2019	Low Tide (ft)	-0.71
C4	15 Aug 2019	Low Tide Time	405
C4	15 Aug 2019	Comments	none
C4	19 Aug 2019	Depth (m)	10
C4	19 Aug 2019	Arrive Time	927
C4	19 Aug 2019	Depart Time	928
C4	19 Aug 2019	Air Temp (C)	19
C4	19 Aug 2019	Weather	Cloudy
C4	19 Aug 2019	Visibility (mi)	6
C4	19 Aug 2019	Wind Speed (kts)	6
C4	19 Aug 2019	Wind Dir	SW
C4	19 Aug 2019	Water Color	Green
C4	19 Aug 2019	Wave Ht Low (ft)	1
C4	19 Aug 2019	Wave Period (sec)	13
C4	19 Aug 2019	Sea State	Calm
C4	19 Aug 2019	High Tide (ft)	6.33
C4	19 Aug 2019	High Tide Time	2106
C4	19 Aug 2019	Low Tide (ft)	-0.71
C4	19 Aug 2019	Low Tide Time	405
C4	19 Aug 2019	Comments	none

Station	Date	Parameter	Value
C4	28 Aug 2019	Depth (m)	12
C4	28 Aug 2019	Arrive Time	927
C4	28 Aug 2019	Depart Time	933
C4	28 Aug 2019	Air Temp (C)	20
C4	28 Aug 2019	Weather	Overcast
C4	28 Aug 2019	Visibility (mi)	7
C4	28 Aug 2019	Wind Speed (kts)	7
C4	28 Aug 2019	Wind Dir	SE
C4	28 Aug 2019	Water Color	Green
C4	28 Aug 2019	Wave Ht Low (ft)	4
C4	28 Aug 2019	Wave Period (sec)	13
C4	28 Aug 2019	Sea State	Light chop
C4	28 Aug 2019	High Tide (ft)	6.33
C4	28 Aug 2019	High Tide Time	2106
C4	28 Aug 2019	Low Tide (ft)	-0.71
C4	28 Aug 2019	Low Tide Time	405
C4	28 Aug 2019	Comments	none
C5	05 Aug 2019	Depth (m)	9
C5	05 Aug 2019	Arrive Time	925
C5	05 Aug 2019	Depart Time	927
C5	05 Aug 2019	Air Temp (C)	20
C5	05 Aug 2019	Weather	Cloudy
C5	05 Aug 2019	Visibility (mi)	4
C5	05 Aug 2019	Wind Speed (kts)	4
C5	05 Aug 2019	Wind Dir	W
C5	05 Aug 2019	Water Color	Green
C5	05 Aug 2019	Wave Ht Low (ft)	3
C5	05 Aug 2019	Wave Period (sec)	13
C5	05 Aug 2019	Sea State	Calm
C5	05 Aug 2019	High Tide (ft)	6.33
C5	05 Aug 2019	High Tide Time	2106
C5	05 Aug 2019	Low Tide (ft)	-0.71
C5	05 Aug 2019	Low Tide Time	405
C5	05 Aug 2019	Comments	none
C5	15 Aug 2019	Depth (m)	12
C5	15 Aug 2019	Arrive Time	934
C5	15 Aug 2019	Depart Time	940
C5	15 Aug 2019	Air Temp (C)	18
C5	15 Aug 2019	Weather	Overcast
C5	15 Aug 2019	Visibility (mi)	5
C5	15 Aug 2019	Wind Speed (kts)	7
C5	15 Aug 2019	Wind Dir	W
C5	15 Aug 2019	Water Color	Green
C5	15 Aug 2019	Wave Ht Low (ft)	3
C5	15 Aug 2019	Wave Period (sec)	13
C5	15 Aug 2019	Sea State	Wind ripples
C5	15 Aug 2019	High Tide (ft)	6.33
C5	15 Aug 2019	High Tide Time	2106
C5	15 Aug 2019	Low Tide (ft)	-0.71
C5	15 Aug 2019	Low Tide Time	405
C5	15 Aug 2019	Comments	none
C5	19 Aug 2019	Depth (m)	10

Station	Date	Parameter	Value
C5	19 Aug 2019	Arrive Time	915
C5	19 Aug 2019	Depart Time	917
C5	19 Aug 2019	Air Temp (C)	19
C5	19 Aug 2019	Weather	Cloudy
C5	19 Aug 2019	Visibility (mi)	5
C5	19 Aug 2019	Wind Speed (kts)	4
C5	19 Aug 2019	Wind Dir	SW
C5	19 Aug 2019	Water Color	Green
C5	19 Aug 2019	Wave Ht Low (ft)	1
C5	19 Aug 2019	Wave Period (sec)	13
C5	19 Aug 2019	Sea State	Calm
C5	19 Aug 2019	High Tide (ft)	6.33
C5	19 Aug 2019	High Tide Time	2106
C5	19 Aug 2019	Low Tide (ft)	-0.71
C5	19 Aug 2019	Low Tide Time	405
C5	19 Aug 2019	Comments	none
C5	28 Aug 2019	Depth (m)	10
C5	28 Aug 2019	Arrive Time	917
C5	28 Aug 2019	Depart Time	923
C5	28 Aug 2019	Air Temp (C)	20
C5	28 Aug 2019	Weather	Overcast
C5	28 Aug 2019	Visibility (mi)	7
C5	28 Aug 2019	Wind Speed (kts)	6
C5	28 Aug 2019	Wind Dir	SE
C5	28 Aug 2019	Water Color	Green
C5	28 Aug 2019	Wave Ht Low (ft)	4
C5	28 Aug 2019	Wave Period (sec)	13
C5	28 Aug 2019	Sea State	Light chop
C5	28 Aug 2019	High Tide (ft)	6.33
C5	28 Aug 2019	High Tide Time	2106
C5	28 Aug 2019	Low Tide (ft)	-0.71
C5	28 Aug 2019	Low Tide Time	405
C5	28 Aug 2019	Comments	Kelp debris
C6	05 Aug 2019	Depth (m)	9
C6	05 Aug 2019	Arrive Time	916
C6	05 Aug 2019	Depart Time	918
C6	05 Aug 2019	Air Temp (C)	19
C6	05 Aug 2019	Weather	Cloudy
C6	05 Aug 2019	Visibility (mi)	4
C6	05 Aug 2019	Wind Speed (kts)	4
C6	05 Aug 2019	Wind Dir	NW
C6	05 Aug 2019	Water Color	Green
C6	05 Aug 2019	Wave Ht Low (ft)	3
C6	05 Aug 2019	Wave Period (sec)	13
C6	05 Aug 2019	Sea State	Calm
C6	05 Aug 2019	High Tide (ft)	6.33
C6	05 Aug 2019	High Tide Time	2106
C6	05 Aug 2019	Low Tide (ft)	-0.71
C6	05 Aug 2019	Low Tide Time	405
C6	05 Aug 2019	Comments	Kelp
C6	15 Aug 2019	Depth (m)	10
C6	15 Aug 2019	Arrive Time	921

Station	Date	Parameter	Value
C6	15 Aug 2019	Depart Time	927
C6	15 Aug 2019	Air Temp (C)	18
C6	15 Aug 2019	Weather	Overcast
C6	15 Aug 2019	Visibility (mi)	5
C6	15 Aug 2019	Wind Speed (kts)	5
C6	15 Aug 2019	Wind Dir	W
C6	15 Aug 2019	Water Color	Green
C6	15 Aug 2019	Wave Ht Low (ft)	3
C6	15 Aug 2019	Wave Period (sec)	13
C6	15 Aug 2019	Sea State	Wind ripples
C6	15 Aug 2019	High Tide (ft)	6.33
C6	15 Aug 2019	High Tide Time	2106
C6	15 Aug 2019	Low Tide (ft)	-0.71
C6	15 Aug 2019	Low Tide Time	405
C6	15 Aug 2019	Comments	none
C6	19 Aug 2019	Depth (m)	10
C6	19 Aug 2019	Arrive Time	904
C6	19 Aug 2019	Depart Time	909
C6	19 Aug 2019	Air Temp (C)	19
C6	19 Aug 2019	Weather	Cloudy
C6	19 Aug 2019	Visibility (mi)	5
C6	19 Aug 2019	Wind Speed (kts)	5
C6	19 Aug 2019	Wind Dir	SW
C6	19 Aug 2019	Water Color	Green
C6	19 Aug 2019	Wave Ht Low (ft)	1
C6	19 Aug 2019	Wave Period (sec)	13
C6	19 Aug 2019	Sea State	Calm
C6	19 Aug 2019	High Tide (ft)	6.33
C6	19 Aug 2019	High Tide Time	2106
C6	19 Aug 2019	Low Tide (ft)	-0.71
C6	19 Aug 2019	Low Tide Time	405
C6	19 Aug 2019	Comments	none
C6	28 Aug 2019	Depth (m)	10
C6	28 Aug 2019	Arrive Time	906
C6	28 Aug 2019	Depart Time	911
C6	28 Aug 2019	Air Temp (C)	20
C6	28 Aug 2019	Weather	Overcast
C6	28 Aug 2019	Visibility (mi)	7
C6	28 Aug 2019	Wind Speed (kts)	4
C6	28 Aug 2019	Wind Dir	E
C6	28 Aug 2019	Water Color	Green
C6	28 Aug 2019	Wave Ht Low (ft)	4
C6	28 Aug 2019	Wave Period (sec)	13
C6	28 Aug 2019	Sea State	Light chop
C6	28 Aug 2019	High Tide (ft)	6.33
C6	28 Aug 2019	High Tide Time	2106
C6	28 Aug 2019	Low Tide (ft)	-0.71
C6	28 Aug 2019	Low Tide Time	405
C6	28 Aug 2019	Comments	none
C7	05 Aug 2019	Depth (m)	18
C7	05 Aug 2019	Arrive Time	848
C7	05 Aug 2019	Depart Time	850

Station	Date	Parameter	Value
C7	05 Aug 2019	Air Temp (C)	19
C7	05 Aug 2019	Weather	Cloudy
C7	05 Aug 2019	Visibility (mi)	4
C7	05 Aug 2019	Wind Speed (kts)	2
C7	05 Aug 2019	Wind Dir	W
C7	05 Aug 2019	Water Color	Green
C7	05 Aug 2019	Wave Ht Low (ft)	3
C7	05 Aug 2019	Wave Period (sec)	13
C7	05 Aug 2019	Sea State	Calm
C7	05 Aug 2019	High Tide (ft)	6.33
C7	05 Aug 2019	High Tide Time	2106
C7	05 Aug 2019	Low Tide (ft)	-0.71
C7	05 Aug 2019	Low Tide Time	405
C7	05 Aug 2019	Comments	none
C7	15 Aug 2019	Depth (m)	19
C7	15 Aug 2019	Arrive Time	848
C7	15 Aug 2019	Depart Time	853
C7	15 Aug 2019	Air Temp (C)	18
C7	15 Aug 2019	Weather	Overcast
C7	15 Aug 2019	Visibility (mi)	5
C7	15 Aug 2019	Wind Speed (kts)	4
C7	15 Aug 2019	Wind Dir	W
C7	15 Aug 2019	Water Color	Green
C7	15 Aug 2019	Wave Ht Low (ft)	3
C7	15 Aug 2019	Wave Period (sec)	13
C7	15 Aug 2019	Sea State	Calm
C7	15 Aug 2019	High Tide (ft)	6.33
C7	15 Aug 2019	High Tide Time	2106
C7	15 Aug 2019	Low Tide (ft)	-0.71
C7	15 Aug 2019	Low Tide Time	405
C7	15 Aug 2019	Comments	Kelp
C7	19 Aug 2019	Depth (m)	18
C7	19 Aug 2019	Arrive Time	833
C7	19 Aug 2019	Depart Time	835
C7	19 Aug 2019	Air Temp (C)	19
C7	19 Aug 2019	Weather	Cloudy
C7	19 Aug 2019	Visibility (mi)	4
C7	19 Aug 2019	Wind Speed (kts)	4
C7	19 Aug 2019	Wind Dir	SW
C7	19 Aug 2019	Water Color	Green
C7	19 Aug 2019	Wave Ht Low (ft)	1
C7	19 Aug 2019	Wave Period (sec)	13
C7	19 Aug 2019	Sea State	Calm
C7	19 Aug 2019	High Tide (ft)	6.33
C7	19 Aug 2019	High Tide Time	2106
C7	19 Aug 2019	Low Tide (ft)	-0.71
C7	19 Aug 2019	Low Tide Time	405
C7	19 Aug 2019	Comments	Kelp; Kelp debris
C7	28 Aug 2019	Depth (m)	18
C7	28 Aug 2019	Arrive Time	837
C7	28 Aug 2019	Depart Time	843
C7	28 Aug 2019	Air Temp (C)	20

Station	Date	Parameter	Value
C7	28 Aug 2019	Weather	Overcast
C7	28 Aug 2019	Visibility (mi)	7
C7	28 Aug 2019	Wind Speed (kts)	6
C7	28 Aug 2019	Wind Dir	SE
C7	28 Aug 2019	Water Color	Green
C7	28 Aug 2019	Wave Ht Low (ft)	4
C7	28 Aug 2019	Wave Period (sec)	13
C7	28 Aug 2019	Sea State	Light chop
C7	28 Aug 2019	High Tide (ft)	6.33
C7	28 Aug 2019	High Tide Time	2106
C7	28 Aug 2019	Low Tide (ft)	-0.71
C7	28 Aug 2019	Low Tide Time	405
C7	28 Aug 2019	Comments	none
C8	05 Aug 2019	Depth (m)	18
C8	05 Aug 2019	Arrive Time	859
C8	05 Aug 2019	Depart Time	901
C8	05 Aug 2019	Air Temp (C)	19
C8	05 Aug 2019	Weather	Cloudy
C8	05 Aug 2019	Visibility (mi)	4
C8	05 Aug 2019	Wind Speed (kts)	5
C8	05 Aug 2019	Wind Dir	W
C8	05 Aug 2019	Water Color	Green
C8	05 Aug 2019	Wave Ht Low (ft)	3
C8	05 Aug 2019	Wave Period (sec)	13
C8	05 Aug 2019	Sea State	Calm
C8	05 Aug 2019	High Tide (ft)	6.33
C8	05 Aug 2019	High Tide Time	2106
C8	05 Aug 2019	Low Tide (ft)	-0.71
C8	05 Aug 2019	Low Tide Time	405
C8	05 Aug 2019	Comments	none
C8	15 Aug 2019	Depth (m)	19
C8	15 Aug 2019	Arrive Time	901
C8	15 Aug 2019	Depart Time	906
C8	15 Aug 2019	Air Temp (C)	18
C8	15 Aug 2019	Weather	Overcast
C8	15 Aug 2019	Visibility (mi)	5
C8	15 Aug 2019	Wind Speed (kts)	5
C8	15 Aug 2019	Wind Dir	W
C8	15 Aug 2019	Water Color	Green
C8	15 Aug 2019	Wave Ht Low (ft)	3
C8	15 Aug 2019	Wave Period (sec)	13
C8	15 Aug 2019	Sea State	Wind ripples
C8	15 Aug 2019	High Tide (ft)	6.33
C8	15 Aug 2019	High Tide Time	2106
C8	15 Aug 2019	Low Tide (ft)	-0.71
C8	15 Aug 2019	Low Tide Time	405
C8	15 Aug 2019	Comments	Kelp
C8	19 Aug 2019	Depth (m)	19
C8	19 Aug 2019	Arrive Time	848
C8	19 Aug 2019	Depart Time	850
C8	19 Aug 2019	Air Temp (C)	19
C8	19 Aug 2019	Weather	Cloudy

Station	Date	Parameter	Value
C8	19 Aug 2019	Visibility (mi)	5
C8	19 Aug 2019	Wind Speed (kts)	2
C8	19 Aug 2019	Wind Dir	SW
C8	19 Aug 2019	Water Color	Green
C8	19 Aug 2019	Wave Ht Low (ft)	1
C8	19 Aug 2019	Wave Period (sec)	13
C8	19 Aug 2019	Sea State	Calm
C8	19 Aug 2019	High Tide (ft)	6.33
C8	19 Aug 2019	High Tide Time	2106
C8	19 Aug 2019	Low Tide (ft)	-0.71
C8	19 Aug 2019	Low Tide Time	405
C8	19 Aug 2019	Comments	none
C8	28 Aug 2019	Depth (m)	21
C8	28 Aug 2019	Arrive Time	847
C8	28 Aug 2019	Depart Time	855
C8	28 Aug 2019	Air Temp (C)	20
C8	28 Aug 2019	Weather	Overcast
C8	28 Aug 2019	Visibility (mi)	7
C8	28 Aug 2019	Wind Speed (kts)	4
C8	28 Aug 2019	Wind Dir	E
C8	28 Aug 2019	Water Color	Green
C8	28 Aug 2019	Wave Ht Low (ft)	4
C8	28 Aug 2019	Wave Period (sec)	13
C8	28 Aug 2019	Sea State	Light chop
C8	28 Aug 2019	High Tide (ft)	6.33
C8	28 Aug 2019	High Tide Time	2106
C8	28 Aug 2019	Low Tide (ft)	-0.71
C8	28 Aug 2019	Low Tide Time	405
C8	28 Aug 2019	Comments	none

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 (σ -t)	Chlor (μ g/L)
A1	05 Aug 2019	1	16.60	75.03	8.9	33.63	8.1	24.6	3.01
A1	05 Aug 2019	2	16.59	74.99	8.9	33.63	8.1	24.6	3.19
A1	05 Aug 2019	3	16.60	75.19	8.9	33.63	8.1	24.6	3.25
A1	05 Aug 2019	4	16.53	75.02	8.8	33.64	8.1	24.6	3.46
A1	05 Aug 2019	5	16.27	74.58	8.6	33.66	8.1	24.7	3.85
A1	05 Aug 2019	6	15.18	73.72	8.2	33.69	8.1	24.9	4.71
A1	05 Aug 2019	7	14.70	72.87	7.9	33.63	8.1	25.0	5.58
A1	05 Aug 2019	8	14.53	73.46	7.7	33.61	8.1	25.0	5.64
A1	05 Aug 2019	9	14.50	73.80	7.6	33.60	8.1	25.0	5.61
A1	05 Aug 2019	10	14.44	73.85	7.5	33.61	8.1	25.0	5.52
A1	05 Aug 2019	11	14.31	74.23	7.4	33.61	8.1	25.1	5.67
A1	05 Aug 2019	12	14.21	74.85	7.2	33.61	8.1	25.1	5.22
A1	05 Aug 2019	13	14.19	74.90	7.1	33.61	8.1	25.1	5.28
A1	05 Aug 2019	14	14.16	75.30	7.0	33.62	8.1	25.1	5.24
A1	05 Aug 2019	15	13.75	76.85	6.6	33.64	8.1	25.2	4.36
A1	05 Aug 2019	16	13.60	78.78	6.5	33.61	8.1	25.2	3.69
A1	05 Aug 2019	17	13.44	80.18	6.3	33.62	8.1	25.2	3.17
A1	15 Aug 2019	1	14.42	75.33	7.7	33.58	8.1	25.0	4.25
A1	15 Aug 2019	2	13.75	76.17	7.5	33.59	8.1	25.1	4.42
A1	15 Aug 2019	3	13.54	76.61	7.3	33.56	8.1	25.2	4.48
A1	15 Aug 2019	4	13.47	76.79	7.2	33.56	8.1	25.2	4.33
A1	15 Aug 2019	5	13.28	77.68	6.8	33.58	8.1	25.2	3.92
A1	15 Aug 2019	6	13.12	78.55	6.4	33.59	8.1	25.3	3.38
A1	15 Aug 2019	7	12.82	79.44	6.0	33.61	8.1	25.4	2.64
A1	15 Aug 2019	8	12.51	82.33	5.6	33.61	8.0	25.4	1.77
A1	15 Aug 2019	9	12.43	83.20	5.5	33.61	8.0	25.4	1.35
A1	15 Aug 2019	10	12.37	84.18	5.4	33.61	8.0	25.4	1.12
A1	15 Aug 2019	11	12.36	84.19	5.4	33.61	8.0	25.4	1.10
A1	15 Aug 2019	12	12.35	84.17	5.4	33.61	8.0	25.4	1.06
A1	15 Aug 2019	13	12.30	84.53	5.4	33.62	8.0	25.5	1.00
A1	15 Aug 2019	14	12.30	84.69	5.4	33.62	8.0	25.5	0.93
A1	15 Aug 2019	15	12.29	84.84	5.4	33.62	8.0	25.5	0.95
A1	15 Aug 2019	16	12.29	84.81	5.3	33.62	8.0	25.5	0.93
A1	15 Aug 2019	17	12.29	84.65	5.3	33.62	8.0	25.5	0.93
A1	15 Aug 2019	18	12.29	84.48	5.3	33.62	8.0	25.5	0.95
A1	19 Aug 2019	1	16.55	73.08	8.3	33.60	8.1	24.5	2.84
A1	19 Aug 2019	2	16.53	73.07	8.3	33.60	8.1	24.6	3.00
A1	19 Aug 2019	3	16.50	73.01	8.3	33.60	8.1	24.6	3.07
A1	19 Aug 2019	4	16.40	72.76	8.2	33.60	8.1	24.6	3.23
A1	19 Aug 2019	5	15.64	72.76	8.1	33.62	8.1	24.8	3.67
A1	19 Aug 2019	6	14.95	72.20	7.7	33.62	8.1	24.9	4.25
A1	19 Aug 2019	7	14.59	72.23	7.4	33.58	8.0	25.0	4.55
A1	19 Aug 2019	8	14.54	72.87	7.2	33.58	8.0	25.0	4.43
A1	19 Aug 2019	9	14.48	73.53	7.1	33.58	8.0	25.0	4.27
A1	19 Aug 2019	10	14.31	73.55	7.0	33.58	8.0	25.0	4.02
A1	19 Aug 2019	11	13.98	75.39	6.7	33.60	8.0	25.1	3.57
A1	19 Aug 2019	12	13.87	77.08	6.5	33.59	8.0	25.1	3.17
A1	19 Aug 2019	13	13.79	77.73	6.3	33.59	8.0	25.1	2.86
A1	19 Aug 2019	14	13.77	78.63	6.3	33.59	8.0	25.1	2.74

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	19 Aug 2019	15	13.63	79.58	6.3	33.59	8.0	25.2	2.37
A1	19 Aug 2019	16	13.62	79.66	6.2	33.59	7.9	25.2	2.20
A1	19 Aug 2019	17	13.54	80.62	6.2	33.59	7.9	25.2	2.01
A1	28 Aug 2019	1	20.50	67.91	8.3	33.67	8.1	23.6	4.01
A1	28 Aug 2019	2	19.79	67.94	8.1	33.68	8.1	23.8	3.99
A1	28 Aug 2019	3	18.51	72.35	8.1	33.63	8.1	24.1	3.67
A1	28 Aug 2019	4	16.81	75.65	7.8	33.59	8.1	24.5	3.26
A1	28 Aug 2019	5	16.05	78.28	7.6	33.56	8.1	24.6	2.95
A1	28 Aug 2019	6	15.44	79.98	7.5	33.51	8.0	24.7	2.58
A1	28 Aug 2019	7	15.31	80.71	7.5	33.51	8.0	24.8	2.43
A1	28 Aug 2019	8	14.86	81.51	7.6	33.51	8.0	24.8	2.22
A1	28 Aug 2019	9	14.74	82.43	7.6	33.48	8.0	24.9	2.04
A1	28 Aug 2019	10	14.02	84.42	7.7	33.51	8.0	25.0	1.79
A1	28 Aug 2019	11	13.74	85.42	7.7	33.48	8.0	25.1	1.57
A1	28 Aug 2019	12	13.63	86.08	7.6	33.48	8.0	25.1	1.33
A1	28 Aug 2019	13	13.53	86.43	7.5	33.48	8.0	25.1	1.16
A1	28 Aug 2019	14	13.34	86.67	7.3	33.51	8.0	25.2	0.98
A1	28 Aug 2019	15	13.22	86.88	7.1	33.51	8.0	25.2	0.88
A1	28 Aug 2019	16	13.16	86.77	7.0	33.52	8.0	25.2	0.79
A1	28 Aug 2019	17	13.11	86.66	6.8	33.53	8.0	25.2	0.76
A1	28 Aug 2019	18	13.07	85.13	6.8	33.53	7.9	25.2	0.73
A6	05 Aug 2019	1	19.40	71.82	9.7	33.68	8.3	23.9	4.27
A6	05 Aug 2019	2	19.36	68.97	9.5	33.70	8.3	23.9	4.29
A6	05 Aug 2019	3	18.37	55.14	9.9	33.76	8.3	24.2	7.06
A6	05 Aug 2019	4	17.62	56.10	9.9	33.67	8.3	24.3	11.81
A6	05 Aug 2019	5	15.76	63.64	9.5	33.78	8.3	24.9	12.17
A6	05 Aug 2019	6	15.65	66.98	9.3	33.59	8.3	24.7	11.06
A6	05 Aug 2019	7	15.59	70.53	8.7	33.71	8.3	24.9	10.88
A6	05 Aug 2019	8	14.38	72.18	8.1	33.63	8.3	25.0	9.62
A6	05 Aug 2019	9	14.20	73.03	7.7	33.62	8.3	25.1	8.33
A6	05 Aug 2019	10	13.79	73.38	7.2	33.62	8.3	25.2	7.56
A6	05 Aug 2019	11	13.48	73.74	6.6	33.61	8.3	25.2	6.12
A6	05 Aug 2019	12	13.27	77.46	6.1	33.61	8.3	25.3	4.96
A6	05 Aug 2019	13	12.93	80.31	5.7	33.64	8.2	25.4	3.77
A6	05 Aug 2019	14	12.69	81.63	5.5	33.61	8.2	25.4	2.83
A6	05 Aug 2019	15	12.63	82.52	5.4	33.61	8.2	25.4	2.37
A6	05 Aug 2019	16	12.63	83.09	5.4	33.61	8.2	25.4	2.07
A6	05 Aug 2019	17	12.67	82.71	5.4	33.61	8.2	25.4	1.71
A6	15 Aug 2019	1	16.98	74.04	9.1	33.61	8.2	24.5	3.92
A6	15 Aug 2019	2	15.63	71.79	8.5	33.63	8.2	24.8	5.85
A6	15 Aug 2019	3	15.03	69.14	8.4	33.57	8.2	24.9	7.46
A6	15 Aug 2019	4	14.86	67.64	8.3	33.56	8.2	24.9	8.69
A6	15 Aug 2019	5	14.62	65.77	8.2	33.57	8.2	25.0	8.92
A6	15 Aug 2019	6	14.33	68.79	8.2	33.55	8.1	25.0	7.67
A6	15 Aug 2019	7	14.28	71.81	8.2	33.54	8.1	25.0	6.77
A6	15 Aug 2019	8	14.08	73.25	8.2	33.55	8.1	25.1	6.41
A6	15 Aug 2019	9	13.86	74.02	8.1	33.54	8.1	25.1	6.04
A6	15 Aug 2019	10	13.73	74.81	7.8	33.54	8.1	25.1	5.79
A6	15 Aug 2019	11	13.60	75.56	7.4	33.55	8.1	25.2	5.39
A6	15 Aug 2019	12	13.56	76.77	7.1	33.55	8.1	25.2	4.77
A6	15 Aug 2019	13	13.41	77.88	6.8	33.58	8.1	25.2	4.37
A6	15 Aug 2019	14	13.16	79.58	6.3	33.58	8.1	25.3	3.51

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	15 Aug 2019	15	13.11	80.37	6.1	33.59	8.0	25.3	3.19
A6	15 Aug 2019	16	12.94	80.86	5.9	33.59	8.0	25.3	3.00
A6	15 Aug 2019	17	12.85	81.20	5.7	33.59	8.0	25.3	2.78
A6	15 Aug 2019	18	12.73	81.94	5.6	33.60	8.0	25.4	2.32
A6	15 Aug 2019	19	12.64	82.69	5.5	33.60	8.0	25.4	1.80
A6	15 Aug 2019	20	12.53	82.99	5.4	33.61	8.0	25.4	1.45
A6	19 Aug 2019	1	18.52	77.87	9.2	33.60	8.2	24.1	1.61
A6	19 Aug 2019	2	17.95	77.68	8.9	33.65	8.2	24.2	1.78
A6	19 Aug 2019	3	17.00	77.10	8.7	33.65	8.2	24.5	2.36
A6	19 Aug 2019	4	15.89	75.83	8.7	33.61	8.2	24.7	3.18
A6	19 Aug 2019	5	15.31	75.20	8.6	33.58	8.2	24.8	3.64
A6	19 Aug 2019	6	14.69	74.71	8.6	33.56	8.2	24.9	3.81
A6	19 Aug 2019	7	14.52	75.00	8.5	33.55	8.2	25.0	3.81
A6	19 Aug 2019	8	14.39	75.34	8.4	33.53	8.2	25.0	3.93
A6	19 Aug 2019	9	14.31	75.20	8.3	33.54	8.2	25.0	3.98
A6	19 Aug 2019	10	14.26	74.97	8.2	33.54	8.1	25.0	4.17
A6	19 Aug 2019	11	14.18	74.86	8.1	33.54	8.1	25.0	4.18
A6	19 Aug 2019	12	14.14	74.44	8.0	33.54	8.1	25.0	4.23
A6	19 Aug 2019	13	14.13	74.48	8.0	33.55	8.1	25.0	4.36
A6	19 Aug 2019	14	14.11	74.34	7.9	33.55	8.1	25.0	4.20
A6	19 Aug 2019	15	14.09	74.58	7.9	33.55	8.1	25.1	4.16
A6	19 Aug 2019	16	14.09	74.91	7.8	33.55	8.1	25.1	3.96
A6	19 Aug 2019	17	14.06	75.46	7.8	33.56	8.1	25.1	3.88
A6	19 Aug 2019	18	14.00	75.73	7.6	33.56	8.1	25.1	3.61
A6	19 Aug 2019	19	13.96	75.56	7.5	33.57	8.1	25.1	3.27
A6	28 Aug 2019	1	22.12	76.20	8.8	33.67	8.2	23.2	2.16
A6	28 Aug 2019	2	22.12	76.39	8.8	33.67	8.2	23.2	2.30
A6	28 Aug 2019	3	22.10	76.15	8.8	33.67	8.2	23.2	2.32
A6	28 Aug 2019	4	22.08	76.36	8.8	33.67	8.2	23.2	2.44
A6	28 Aug 2019	5	22.08	76.09	8.8	33.67	8.2	23.2	2.74
A6	28 Aug 2019	6	21.96	75.60	8.8	33.67	8.2	23.2	3.22
A6	28 Aug 2019	7	21.81	74.58	8.8	33.67	8.2	23.3	3.55
A6	28 Aug 2019	8	21.75	73.96	8.6	33.66	8.2	23.3	3.78
A6	28 Aug 2019	9	20.69	73.01	8.6	33.69	8.2	23.6	4.39
A6	28 Aug 2019	10	19.78	72.42	8.4	33.65	8.2	23.8	4.83
A6	28 Aug 2019	11	18.65	72.25	8.3	33.63	8.2	24.1	4.75
A6	28 Aug 2019	12	18.14	72.49	8.1	33.60	8.2	24.2	4.54
A6	28 Aug 2019	13	17.61	72.98	8.0	33.58	8.1	24.3	4.30
A6	28 Aug 2019	14	17.06	73.62	8.0	33.57	8.1	24.4	4.24
A6	28 Aug 2019	15	16.85	74.37	7.9	33.55	8.1	24.4	4.16
A6	28 Aug 2019	16	16.68	75.34	7.7	33.55	8.1	24.5	4.01
A6	28 Aug 2019	17	16.35	76.16	7.6	33.55	8.1	24.6	3.78
A6	28 Aug 2019	18	15.95	77.22	7.2	33.56	8.1	24.7	3.40
A6	28 Aug 2019	19	14.65	78.43	7.0	33.66	8.1	25.0	2.86
A7	05 Aug 2019	1	19.56	75.80	8.7	33.69	8.2	23.9	2.22
A7	05 Aug 2019	2	17.98	74.39	8.4	33.80	8.2	24.4	3.64
A7	05 Aug 2019	3	15.58	67.67	8.9	33.65	8.2	24.8	7.34
A7	05 Aug 2019	4	15.37	69.77	8.8	33.62	8.2	24.8	7.95
A7	05 Aug 2019	5	15.02	72.18	8.6	33.59	8.2	24.9	6.53
A7	05 Aug 2019	6	14.95	73.33	8.6	33.59	8.2	24.9	5.74
A7	05 Aug 2019	7	14.93	73.87	8.6	33.59	8.2	24.9	5.49
A7	05 Aug 2019	8	14.87	73.70	8.5	33.59	8.2	24.9	5.44

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	05 Aug 2019	9	14.80	73.55	8.5	33.59	8.2	24.9	5.77
A7	05 Aug 2019	10	14.82	73.56	8.5	33.59	8.2	24.9	5.70
A7	05 Aug 2019	11	14.78	73.71	8.2	33.60	8.2	24.9	5.78
A7	05 Aug 2019	12	14.31	72.48	7.8	33.62	8.2	25.1	6.51
A7	05 Aug 2019	13	14.34	73.45	7.3	33.60	8.2	25.0	6.70
A7	05 Aug 2019	14	13.83	74.26	6.5	33.64	8.2	25.2	6.07
A7	05 Aug 2019	15	13.57	78.13	6.0	33.62	8.2	25.2	4.61
A7	05 Aug 2019	16	13.44	81.14	5.8	33.64	8.2	25.2	3.85
A7	05 Aug 2019	17	13.08	81.55	5.7	33.62	8.2	25.3	2.95
A7	05 Aug 2019	18	13.13	81.94	5.7	33.62	8.2	25.3	2.59
A7	15 Aug 2019	1	17.60	73.91	8.5	33.62	8.2	24.3	2.47
A7	15 Aug 2019	2	15.14	71.23	8.0	33.66	8.2	25.0	3.58
A7	15 Aug 2019	3	14.42	73.32	7.7	33.58	8.2	25.0	5.66
A7	15 Aug 2019	4	13.56	76.23	7.4	33.57	8.1	25.2	5.41
A7	15 Aug 2019	5	13.48	77.04	7.2	33.55	8.1	25.2	4.66
A7	15 Aug 2019	6	13.34	78.12	6.8	33.56	8.1	25.2	4.08
A7	15 Aug 2019	7	13.31	79.09	6.5	33.57	8.1	25.2	3.71
A7	15 Aug 2019	8	12.97	80.81	6.1	33.60	8.1	25.3	3.06
A7	15 Aug 2019	9	12.76	82.16	5.8	33.59	8.1	25.3	2.30
A7	15 Aug 2019	10	12.82	82.69	5.7	33.59	8.0	25.3	1.99
A7	15 Aug 2019	11	12.65	82.69	5.6	33.60	8.0	25.4	1.90
A7	15 Aug 2019	12	12.52	82.95	5.4	33.60	8.0	25.4	1.78
A7	15 Aug 2019	13	12.52	83.61	5.4	33.60	8.0	25.4	1.73
A7	15 Aug 2019	14	12.36	83.75	5.3	33.61	8.0	25.4	1.60
A7	15 Aug 2019	15	12.34	83.88	5.3	33.61	8.0	25.4	1.42
A7	15 Aug 2019	16	12.33	84.00	5.2	33.61	8.0	25.5	1.28
A7	15 Aug 2019	17	12.30	84.31	5.2	33.62	8.0	25.5	1.14
A7	15 Aug 2019	18	12.29	84.38	5.2	33.62	8.0	25.5	1.01
A7	15 Aug 2019	19	12.28	84.30	5.2	33.62	7.9	25.5	0.94
A7	15 Aug 2019	20	12.29	84.43	5.2	33.62	7.9	25.5	0.91
A7	15 Aug 2019	21	12.25	84.43	5.2	33.63	7.9	25.5	0.90
A7	19 Aug 2019	1	17.60	76.21	9.0	33.59	8.2	24.3	2.53
A7	19 Aug 2019	2	16.93	76.06	8.6	33.63	8.2	24.5	2.99
A7	19 Aug 2019	3	16.42	74.33	8.5	33.59	8.2	24.6	3.54
A7	19 Aug 2019	4	16.29	73.32	8.4	33.59	8.2	24.6	3.75
A7	19 Aug 2019	5	16.23	72.32	8.4	33.58	8.1	24.6	3.84
A7	19 Aug 2019	6	16.11	72.08	8.3	33.58	8.1	24.6	3.93
A7	19 Aug 2019	7	16.00	71.78	8.2	33.59	8.1	24.7	4.01
A7	19 Aug 2019	8	15.87	71.56	8.2	33.58	8.1	24.7	4.02
A7	19 Aug 2019	9	15.72	71.41	8.2	33.58	8.1	24.7	4.11
A7	19 Aug 2019	10	15.66	71.60	8.3	33.58	8.1	24.7	4.16
A7	19 Aug 2019	11	15.37	72.45	8.4	33.57	8.1	24.8	4.14
A7	19 Aug 2019	12	15.34	72.86	8.4	33.56	8.1	24.8	4.11
A7	19 Aug 2019	13	14.97	72.54	8.2	33.58	8.1	24.9	4.41
A7	19 Aug 2019	14	14.64	71.26	7.8	33.57	8.1	24.9	4.80
A7	19 Aug 2019	15	14.51	70.88	7.5	33.57	8.1	25.0	4.96
A7	19 Aug 2019	16	14.35	71.33	7.3	33.57	8.1	25.0	4.81
A7	19 Aug 2019	17	14.27	72.00	7.1	33.57	8.1	25.0	4.49
A7	19 Aug 2019	18	13.90	75.61	6.6	33.60	8.0	25.1	3.38
A7	19 Aug 2019	19	13.41	79.67	6.3	33.58	8.0	25.2	2.22
A7	28 Aug 2019	1	20.59	75.05	8.3	33.64	8.2	23.6	2.90
A7	28 Aug 2019	2	20.04	74.74	8.0	33.68	8.2	23.7	3.16

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	28 Aug 2019	3	18.74	75.14	7.8	33.61	8.1	24.0	3.39
A7	28 Aug 2019	4	18.12	75.59	7.4	33.65	8.1	24.2	3.51
A7	28 Aug 2019	5	17.09	76.47	7.3	33.58	8.1	24.4	3.28
A7	28 Aug 2019	6	16.56	78.00	7.4	33.58	8.1	24.5	3.11
A7	28 Aug 2019	7	15.58	79.58	7.7	33.53	8.1	24.7	3.01
A7	28 Aug 2019	8	15.51	79.97	7.7	33.49	8.1	24.7	2.99
A7	28 Aug 2019	9	15.15	80.86	7.6	33.52	8.1	24.8	2.81
A7	28 Aug 2019	10	14.80	81.58	7.7	33.50	8.0	24.9	2.68
A7	28 Aug 2019	11	14.67	82.11	7.7	33.48	8.0	24.9	2.69
A7	28 Aug 2019	12	14.66	82.46	7.6	33.49	8.0	24.9	2.45
A7	28 Aug 2019	13	14.57	82.82	7.4	33.51	8.0	24.9	2.20
A7	28 Aug 2019	14	14.21	83.67	7.3	33.53	8.0	25.0	1.89
A7	28 Aug 2019	15	14.06	84.29	7.2	33.53	8.0	25.0	1.73
A7	28 Aug 2019	16	13.99	84.87	7.2	33.51	8.0	25.0	1.49
A7	28 Aug 2019	17	13.58	85.23	7.0	33.56	8.0	25.2	1.22
A7	28 Aug 2019	18	13.15	86.31	6.8	33.54	8.0	25.2	0.90
A7	28 Aug 2019	19	12.97	86.36	6.5	33.55	8.0	25.3	0.74
A7	28 Aug 2019	20	12.92	86.13	6.4	33.55	7.9	25.3	0.66
C4	05 Aug 2019	1	19.95	76.06	9.2	33.70	8.3	23.8	1.56
C4	05 Aug 2019	2	19.64	75.38	9.2	33.71	8.3	23.9	2.04
C4	05 Aug 2019	3	18.33	74.66	9.4	33.74	8.3	24.2	3.57
C4	05 Aug 2019	4	16.93	70.48	8.9	33.70	8.3	24.5	6.79
C4	05 Aug 2019	5	15.90	67.15	7.8	33.68	8.3	24.8	8.43
C4	05 Aug 2019	6	15.13	68.58	6.3	33.66	8.3	24.9	7.36
C4	05 Aug 2019	7	14.58	74.25	5.1	33.64	8.3	25.0	4.33
C4	05 Aug 2019	8	14.15	78.80	4.2	33.63	8.2	25.1	2.06
C4	05 Aug 2019	9	13.95	80.73	3.7	33.62	8.2	25.1	1.04
C4	05 Aug 2019	10	13.92	80.01	3.5	33.62	8.2	25.1	0.70
C4	05 Aug 2019	11	13.92	79.59	3.5	33.62	8.2	25.1	0.63
C4	15 Aug 2019	1	18.76	75.82	8.5	33.63	8.2	24.0	1.20
C4	15 Aug 2019	2	18.61	74.70	8.2	33.66	8.2	24.1	1.30
C4	15 Aug 2019	3	17.77	74.63	7.3	33.72	8.2	24.3	1.38
C4	15 Aug 2019	4	16.96	75.10	6.0	33.83	8.1	24.6	1.50
C4	15 Aug 2019	5	14.75	77.23	5.0	33.77	8.1	25.1	1.56
C4	15 Aug 2019	6	14.28	79.61	4.8	33.65	8.1	25.1	1.59
C4	15 Aug 2019	7	14.09	80.80	5.0	33.60	8.0	25.1	1.40
C4	15 Aug 2019	8	13.88	81.91	5.1	33.59	8.0	25.1	1.25
C4	15 Aug 2019	9	13.70	81.93	5.2	33.59	8.0	25.2	1.15
C4	15 Aug 2019	10	13.49	81.69	5.2	33.61	8.0	25.2	0.99
C4	15 Aug 2019	11	13.38	79.45	5.4	33.59	8.0	25.2	0.91
C4	19 Aug 2019	1	18.87	76.69	9.0	33.61	8.2	24.0	1.26
C4	19 Aug 2019	2	18.53	76.79	8.6	33.63	8.2	24.1	1.56
C4	19 Aug 2019	3	17.78	76.15	8.1	33.62	8.2	24.3	2.23
C4	19 Aug 2019	4	16.83	74.74	7.6	33.62	8.2	24.5	2.82
C4	19 Aug 2019	5	16.33	74.52	7.2	33.60	8.1	24.6	2.96
C4	19 Aug 2019	6	15.57	75.06	6.8	33.60	8.1	24.8	3.10
C4	19 Aug 2019	7	15.12	75.82	6.2	33.59	8.1	24.9	2.92
C4	19 Aug 2019	8	14.56	79.46	5.2	33.59	8.0	25.0	1.50
C4	19 Aug 2019	9	14.35	81.50	4.8	33.58	7.9	25.0	0.70
C4	19 Aug 2019	10	14.18	80.57	4.5	33.58	7.9	25.1	0.45
C4	19 Aug 2019	11	14.18	79.71	4.4	33.58	7.9	25.1	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C4	28 Aug 2019	1	22.24	72.76	8.6	33.68	8.2	23.1	2.66
C4	28 Aug 2019	2	22.06	73.46	8.1	33.69	8.2	23.2	3.02
C4	28 Aug 2019	3	20.62	72.96	6.8	33.72	8.2	23.6	3.52
C4	28 Aug 2019	4	18.64	73.06	5.5	33.68	8.1	24.1	3.50
C4	28 Aug 2019	5	17.24	74.08	4.9	33.64	8.0	24.4	2.86
C4	28 Aug 2019	6	16.43	76.50	4.7	33.60	7.9	24.6	2.10
C4	28 Aug 2019	7	16.10	79.36	4.5	33.57	7.9	24.6	1.64
C4	28 Aug 2019	8	15.51	80.10	4.1	33.58	7.8	24.8	1.21
C4	28 Aug 2019	9	15.14	79.82	3.8	33.55	7.8	24.8	0.78
C4	28 Aug 2019	10	15.09	79.17	3.7	33.55	7.8	24.8	0.59
C4	28 Aug 2019	11	15.00	77.59	3.7	33.55	7.8	24.9	0.50
C5	05 Aug 2019	1	19.77	75.94	9.1	33.69	8.3	23.8	1.43
C5	05 Aug 2019	2	19.11	75.54	9.0	33.72	8.3	24.0	1.86
C5	05 Aug 2019	3	18.34	71.67	8.7	33.68	8.3	24.2	3.47
C5	05 Aug 2019	4	16.83	65.92	8.1	33.70	8.3	24.6	7.77
C5	05 Aug 2019	5	16.69	65.99	7.9	33.62	8.3	24.5	10.25
C5	05 Aug 2019	6	15.71	70.09	6.8	33.69	8.3	24.8	8.04
C5	05 Aug 2019	7	15.05	78.88	6.3	33.64	8.2	24.9	4.24
C5	05 Aug 2019	8	15.33	81.37	6.1	33.62	8.2	24.8	3.32
C5	05 Aug 2019	9	14.11	82.63	5.4	33.65	8.2	25.1	1.98
C5	05 Aug 2019	10	13.77	83.26	5.4	33.62	8.2	25.2	1.31
C5	05 Aug 2019	11	13.67	83.12	5.4	33.61	8.2	25.2	1.13
C5	15 Aug 2019	1	18.09	73.48	8.1	33.61	8.2	24.2	1.56
C5	15 Aug 2019	2	18.04	72.58	8.4	33.63	8.2	24.2	1.56
C5	15 Aug 2019	3	17.25	70.69	8.2	33.74	8.2	24.5	1.75
C5	15 Aug 2019	4	16.13	75.07	7.9	33.74	8.2	24.8	2.22
C5	15 Aug 2019	5	14.63	75.95	7.2	33.72	8.1	25.1	2.77
C5	15 Aug 2019	6	14.38	80.30	6.5	33.61	8.1	25.0	2.86
C5	15 Aug 2019	7	14.18	82.08	6.4	33.63	8.1	25.1	2.10
C5	15 Aug 2019	8	14.02	82.22	6.4	33.60	8.1	25.1	1.74
C5	15 Aug 2019	9	13.84	82.05	6.3	33.60	8.0	25.1	1.65
C5	15 Aug 2019	10	13.77	82.25	6.3	33.60	8.0	25.2	1.66
C5	15 Aug 2019	11	13.60	82.58	6.1	33.59	8.0	25.2	1.38
C5	19 Aug 2019	1	18.88	76.33	9.2	33.60	8.3	24.0	1.54
C5	19 Aug 2019	2	18.69	76.57	9.2	33.62	8.3	24.0	1.66
C5	19 Aug 2019	3	18.53	75.81	9.1	33.61	8.3	24.1	1.94
C5	19 Aug 2019	4	17.78	75.52	8.6	33.64	8.2	24.3	2.53
C5	19 Aug 2019	5	16.55	72.28	8.2	33.60	8.2	24.5	4.34
C5	19 Aug 2019	6	15.81	77.27	7.8	33.59	8.1	24.7	3.29
C5	19 Aug 2019	7	15.53	78.67	7.6	33.59	8.1	24.8	2.75
C5	19 Aug 2019	8	14.98	77.82	7.7	33.56	8.1	24.9	2.88
C5	19 Aug 2019	9	14.93	76.92	7.6	33.56	8.1	24.9	2.70
C5	19 Aug 2019	10	14.80	80.79	7.3	33.58	8.1	24.9	2.10
C5	28 Aug 2019	1	21.84	75.01	8.6	33.66	8.2	23.2	2.32
C5	28 Aug 2019	2	21.64	75.09	8.4	33.67	8.2	23.3	2.70
C5	28 Aug 2019	3	20.93	74.01	8.1	33.66	8.2	23.5	3.39
C5	28 Aug 2019	4	19.17	73.93	7.7	33.68	8.2	24.0	3.93
C5	28 Aug 2019	5	18.16	73.21	7.1	33.61	8.1	24.2	4.42
C5	28 Aug 2019	6	16.64	75.09	6.5	33.65	8.1	24.6	3.40
C5	28 Aug 2019	7	15.31	81.16	6.4	33.56	8.0	24.8	1.86
C5	28 Aug 2019	8	14.64	83.99	6.8	33.52	8.0	24.9	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	28 Aug 2019	9	14.19	84.89	7.2	33.48	8.0	25.0	1.17
C5	28 Aug 2019	10	14.11	85.32	7.3	33.47	8.0	25.0	1.09
C5	28 Aug 2019	11	14.02	84.60	7.4	33.47	8.0	25.0	0.98
C6	05 Aug 2019	1	19.65	73.88	9.6	33.68	8.3	23.9	1.95
C6	05 Aug 2019	2	19.50	73.69	9.3	33.71	8.3	23.9	2.41
C6	05 Aug 2019	3	17.52	71.51	9.4	33.78	8.3	24.4	8.32
C6	05 Aug 2019	4	16.11	58.81	9.1	33.69	8.3	24.7	14.68
C6	05 Aug 2019	5	15.22	60.44	8.0	33.67	8.3	24.9	13.94
C6	05 Aug 2019	6	14.67	66.04	6.8	33.64	8.3	25.0	11.93
C6	05 Aug 2019	7	14.30	70.10	5.9	33.63	8.3	25.1	10.07
C6	05 Aug 2019	8	13.97	76.58	5.1	33.62	8.2	25.1	5.84
C6	05 Aug 2019	9	13.86	78.69	4.6	33.61	8.2	25.1	1.70
C6	15 Aug 2019	1	17.89	75.86	9.4	33.61	8.2	24.2	1.57
C6	15 Aug 2019	2	17.82	75.75	9.1	33.62	8.2	24.3	1.85
C6	15 Aug 2019	3	16.03	72.46	8.4	33.67	8.2	24.7	4.88
C6	15 Aug 2019	4	14.99	68.20	7.7	33.61	8.2	24.9	6.79
C6	15 Aug 2019	5	14.58	72.36	7.2	33.58	8.1	25.0	5.87
C6	15 Aug 2019	6	14.40	74.76	6.8	33.58	8.1	25.0	5.27
C6	15 Aug 2019	7	14.19	75.89	6.5	33.58	8.1	25.1	4.79
C6	15 Aug 2019	8	13.99	77.90	6.0	33.59	8.1	25.1	3.40
C6	15 Aug 2019	9	13.79	80.28	5.6	33.56	8.0	25.1	1.52
C6	15 Aug 2019	10	13.78	78.31	5.6	33.61	8.0	25.2	1.41
C6	19 Aug 2019	1	17.97	75.17	8.7	33.61	8.2	24.2	1.17
C6	19 Aug 2019	2	16.87	77.13	8.5	33.63	8.2	24.5	1.26
C6	19 Aug 2019	3	16.34	78.44	8.1	33.60	8.2	24.6	1.32
C6	19 Aug 2019	4	15.49	79.00	7.9	33.59	8.2	24.8	1.65
C6	19 Aug 2019	5	15.14	78.77	7.6	33.59	8.1	24.9	1.68
C6	19 Aug 2019	6	14.63	79.89	6.9	33.59	8.1	25.0	1.07
C6	19 Aug 2019	7	14.23	80.83	6.2	33.58	8.0	25.0	0.59
C6	19 Aug 2019	8	13.79	81.46	5.8	33.59	8.0	25.1	0.44
C6	19 Aug 2019	9	13.66	80.88	5.7	33.57	8.0	25.2	0.37
C6	28 Aug 2019	1	22.50	73.84	9.0	33.68	8.3	23.1	2.34
C6	28 Aug 2019	2	22.42	73.96	8.8	33.68	8.3	23.1	2.62
C6	28 Aug 2019	3	21.73	73.81	8.6	33.69	8.2	23.3	3.08
C6	28 Aug 2019	4	21.58	73.77	8.1	33.65	8.2	23.3	3.21
C6	28 Aug 2019	5	20.06	74.26	7.0	33.71	8.2	23.8	2.88
C6	28 Aug 2019	6	17.21	75.60	6.2	33.70	8.1	24.5	2.42
C6	28 Aug 2019	7	15.85	78.65	5.4	33.59	8.0	24.7	1.38
C6	28 Aug 2019	8	15.55	82.12	5.4	33.54	7.9	24.7	0.90
C6	28 Aug 2019	9	15.25	82.60	5.5	33.53	7.9	24.8	0.83
C6	28 Aug 2019	10	15.10	82.75	5.6	33.53	7.9	24.8	0.78
C7	05 Aug 2019	1	17.88	71.62	10.3	33.69	8.3	24.3	2.51
C7	05 Aug 2019	2	16.60	69.46	10.4	33.68	8.3	24.6	4.88
C7	05 Aug 2019	3	15.81	66.34	10.1	33.63	8.3	24.7	8.11
C7	05 Aug 2019	4	14.97	65.36	9.0	33.66	8.3	24.9	9.54
C7	05 Aug 2019	5	14.40	66.08	8.4	33.61	8.3	25.0	10.94
C7	05 Aug 2019	6	14.21	69.55	8.2	33.60	8.3	25.1	10.57
C7	05 Aug 2019	7	13.76	71.89	7.8	33.59	8.3	25.1	8.99
C7	05 Aug 2019	8	13.67	73.47	7.5	33.59	8.3	25.2	7.35
C7	05 Aug 2019	9	13.56	75.28	7.2	33.59	8.3	25.2	6.41

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	05 Aug 2019	10	13.48	76.12	7.0	33.60	8.3	25.2	5.67
C7	05 Aug 2019	11	13.41	77.19	6.8	33.60	8.2	25.2	5.24
C7	05 Aug 2019	12	13.29	77.92	6.5	33.61	8.2	25.3	4.79
C7	05 Aug 2019	13	13.23	78.80	6.2	33.61	8.2	25.3	4.25
C7	05 Aug 2019	14	13.09	80.21	5.8	33.62	8.2	25.3	3.52
C7	05 Aug 2019	15	12.94	82.26	5.4	33.62	8.2	25.3	1.96
C7	05 Aug 2019	16	12.73	84.96	5.2	33.63	8.2	25.4	1.13
C7	05 Aug 2019	17	12.30	85.87	5.1	33.65	8.2	25.5	0.83
C7	05 Aug 2019	18	12.23	85.52	5.0	33.63	8.2	25.5	0.66
C7	15 Aug 2019	1	16.32	67.46	9.1	33.60	8.2	24.6	5.85
C7	15 Aug 2019	2	16.05	67.28	9.2	33.60	8.2	24.7	7.48
C7	15 Aug 2019	3	15.62	64.98	9.1	33.58	8.2	24.7	9.28
C7	15 Aug 2019	4	14.95	66.86	8.5	33.61	8.2	24.9	8.66
C7	15 Aug 2019	5	14.48	71.26	8.0	33.59	8.1	25.0	6.77
C7	15 Aug 2019	6	14.00	75.64	7.8	33.57	8.1	25.1	5.32
C7	15 Aug 2019	7	13.82	76.99	7.3	33.57	8.1	25.1	4.62
C7	15 Aug 2019	8	13.79	77.68	7.1	33.56	8.1	25.1	4.30
C7	15 Aug 2019	9	13.57	78.08	6.9	33.58	8.1	25.2	4.06
C7	15 Aug 2019	10	13.45	78.46	6.7	33.57	8.1	25.2	3.79
C7	15 Aug 2019	11	13.37	78.83	6.6	33.57	8.1	25.2	3.59
C7	15 Aug 2019	12	13.29	79.15	6.4	33.57	8.0	25.2	3.43
C7	15 Aug 2019	13	13.20	79.59	6.3	33.58	8.0	25.2	3.20
C7	15 Aug 2019	14	13.12	79.80	6.2	33.58	8.0	25.3	3.05
C7	15 Aug 2019	15	13.04	80.16	6.1	33.58	8.0	25.3	2.98
C7	15 Aug 2019	16	12.95	80.45	6.0	33.58	8.0	25.3	3.00
C7	15 Aug 2019	17	12.87	80.73	5.8	33.58	8.0	25.3	2.99
C7	15 Aug 2019	18	12.69	81.18	5.6	33.60	8.0	25.4	2.57
C7	19 Aug 2019	1	18.00	78.09	9.0	33.60	8.2	24.2	2.04
C7	19 Aug 2019	2	18.00	78.45	8.8	33.59	8.2	24.2	2.15
C7	19 Aug 2019	3	16.51	73.81	8.5	33.68	8.2	24.6	3.34
C7	19 Aug 2019	4	15.80	71.76	8.3	33.59	8.2	24.7	4.59
C7	19 Aug 2019	5	14.89	72.67	8.4	33.55	8.2	24.9	5.05
C7	19 Aug 2019	6	14.50	73.91	8.3	33.56	8.2	25.0	4.86
C7	19 Aug 2019	7	14.28	74.84	8.3	33.53	8.2	25.0	4.35
C7	19 Aug 2019	8	14.16	74.57	8.2	33.54	8.2	25.0	4.39
C7	19 Aug 2019	9	14.11	73.90	7.8	33.54	8.1	25.0	4.64
C7	19 Aug 2019	10	14.07	74.02	7.6	33.55	8.1	25.1	4.99
C7	19 Aug 2019	11	14.06	74.04	7.6	33.55	8.1	25.1	5.13
C7	19 Aug 2019	12	14.05	74.10	7.5	33.55	8.1	25.1	5.16
C7	19 Aug 2019	13	14.05	74.12	7.5	33.56	8.1	25.1	5.09
C7	19 Aug 2019	14	13.99	74.56	7.4	33.56	8.1	25.1	4.94
C7	19 Aug 2019	15	13.85	75.35	7.2	33.57	8.1	25.1	4.70
C7	19 Aug 2019	16	13.46	77.71	6.8	33.58	8.1	25.2	3.93
C7	19 Aug 2019	17	13.26	81.24	6.2	33.58	8.0	25.2	2.44
C7	19 Aug 2019	18	13.13	84.26	6.0	33.59	8.0	25.3	1.37
C7	28 Aug 2019	1	21.97	72.17	9.1	33.65	8.2	23.2	3.45
C7	28 Aug 2019	2	22.00	72.51	9.1	33.65	8.2	23.2	3.66
C7	28 Aug 2019	3	22.03	73.18	8.9	33.66	8.2	23.2	3.81
C7	28 Aug 2019	4	20.82	72.76	8.8	33.69	8.2	23.5	4.20
C7	28 Aug 2019	5	19.80	71.69	8.6	33.65	8.2	23.8	4.54
C7	28 Aug 2019	6	18.77	72.53	8.4	33.65	8.2	24.0	4.39
C7	28 Aug 2019	7	18.06	73.91	8.4	33.58	8.2	24.2	4.34

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	28 Aug 2019	8	17.86	74.23	8.2	33.58	8.2	24.2	4.07
C7	28 Aug 2019	9	17.67	74.99	8.1	33.56	8.1	24.2	4.04
C7	28 Aug 2019	10	17.67	75.30	7.9	33.56	8.1	24.2	4.04
C7	28 Aug 2019	11	17.20	75.66	7.2	33.59	8.1	24.4	3.74
C7	28 Aug 2019	12	16.07	77.61	6.5	33.59	8.1	24.6	3.12
C7	28 Aug 2019	13	15.01	81.73	6.6	33.55	8.0	24.9	2.14
C7	28 Aug 2019	14	14.62	83.85	6.9	33.51	8.0	24.9	1.57
C7	28 Aug 2019	15	14.35	85.19	6.8	33.51	8.0	25.0	1.06
C7	28 Aug 2019	16	14.14	85.75	6.6	33.51	8.0	25.0	0.76
C7	28 Aug 2019	17	14.03	85.90	6.6	33.53	8.0	25.0	0.67
C7	28 Aug 2019	18	13.69	86.11	6.7	33.53	8.0	25.1	0.62
C7	28 Aug 2019	19	13.39	86.48	6.8	33.52	8.0	25.2	0.66
C8	05 Aug 2019	1	18.18	73.12	9.4	33.66	8.3	24.2	2.88
C8	05 Aug 2019	2	17.35	72.78	9.4	33.73	8.3	24.5	3.34
C8	05 Aug 2019	3	16.56	67.58	9.5	33.62	8.3	24.6	5.40
C8	05 Aug 2019	4	14.93	68.76	9.1	33.65	8.3	24.9	7.06
C8	05 Aug 2019	5	14.86	69.98	8.8	33.59	8.3	24.9	8.10
C8	05 Aug 2019	6	14.32	72.02	8.3	33.60	8.3	25.0	7.66
C8	05 Aug 2019	7	14.41	72.64	8.2	33.58	8.3	25.0	7.18
C8	05 Aug 2019	8	14.17	73.73	7.6	33.62	8.3	25.1	6.92
C8	05 Aug 2019	9	13.53	75.42	7.0	33.62	8.2	25.2	6.34
C8	05 Aug 2019	10	13.41	76.85	6.8	33.59	8.2	25.2	5.76
C8	05 Aug 2019	11	13.16	77.53	6.6	33.61	8.2	25.3	5.34
C8	05 Aug 2019	12	12.96	78.47	6.3	33.59	8.2	25.3	4.99
C8	05 Aug 2019	13	12.90	78.99	6.2	33.60	8.2	25.3	4.79
C8	05 Aug 2019	14	12.80	79.18	6.1	33.59	8.2	25.3	4.69
C8	05 Aug 2019	15	12.80	79.42	6.0	33.59	8.2	25.3	4.38
C8	05 Aug 2019	16	12.78	79.59	6.0	33.60	8.2	25.4	4.17
C8	05 Aug 2019	17	12.75	81.15	5.9	33.60	8.2	25.4	3.47
C8	05 Aug 2019	18	12.70	83.83	5.6	33.61	8.2	25.4	1.90
C8	05 Aug 2019	19	12.68	84.67	5.5	33.61	8.2	25.4	1.22
C8	15 Aug 2019	1	17.45	75.98	9.7	33.61	8.2	24.3	2.14
C8	15 Aug 2019	2	17.14	75.34	9.3	33.63	8.2	24.4	2.51
C8	15 Aug 2019	3	15.93	70.79	9.0	33.61	8.2	24.7	5.63
C8	15 Aug 2019	4	15.65	68.09	8.7	33.61	8.2	24.8	7.46
C8	15 Aug 2019	5	14.49	69.46	8.5	33.59	8.2	25.0	8.12
C8	15 Aug 2019	6	14.34	71.22	8.5	33.56	8.2	25.0	8.12
C8	15 Aug 2019	7	14.20	71.75	8.2	33.57	8.1	25.0	7.96
C8	15 Aug 2019	8	13.96	72.89	7.8	33.55	8.1	25.1	7.82
C8	15 Aug 2019	9	13.63	72.82	7.5	33.59	8.1	25.2	8.16
C8	15 Aug 2019	10	13.44	73.12	7.2	33.56	8.1	25.2	8.09
C8	15 Aug 2019	11	13.39	73.23	7.0	33.57	8.1	25.2	8.59
C8	15 Aug 2019	12	13.23	71.73	6.6	33.57	8.1	25.2	9.77
C8	15 Aug 2019	13	13.08	71.65	6.2	33.58	8.1	25.3	8.54
C8	15 Aug 2019	14	13.03	76.61	6.0	33.58	8.0	25.3	6.05
C8	15 Aug 2019	15	12.94	78.71	5.8	33.59	8.0	25.3	4.81
C8	15 Aug 2019	16	12.83	80.77	5.7	33.59	8.0	25.3	3.32
C8	15 Aug 2019	17	12.80	81.89	5.6	33.59	8.0	25.3	2.46
C8	15 Aug 2019	18	12.75	82.44	5.5	33.59	8.0	25.4	1.80
C8	15 Aug 2019	19	12.75	82.88	5.5	33.59	8.0	25.4	1.33
C8	15 Aug 2019	20	12.75	82.79	5.5	33.59	8.0	25.4	1.16
C8	19 Aug 2019	1	18.45	76.92	8.7	33.58	8.2	24.1	1.55

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	19 Aug 2019	2	17.80	75.71	8.4	33.64	8.2	24.3	1.99
C8	19 Aug 2019	3	15.74	73.90	8.6	33.61	8.2	24.7	3.54
C8	19 Aug 2019	4	15.22	72.03	8.4	33.57	8.2	24.8	4.42
C8	19 Aug 2019	5	14.48	71.64	8.2	33.55	8.2	25.0	5.04
C8	19 Aug 2019	6	14.23	72.86	8.0	33.54	8.1	25.0	4.98
C8	19 Aug 2019	7	13.98	74.36	8.0	33.54	8.1	25.1	4.51
C8	19 Aug 2019	8	13.85	75.57	8.0	33.53	8.1	25.1	4.29
C8	19 Aug 2019	9	13.84	75.90	8.0	33.53	8.1	25.1	4.17
C8	19 Aug 2019	10	13.84	75.97	8.0	33.53	8.1	25.1	4.21
C8	19 Aug 2019	11	13.83	75.87	8.0	33.53	8.1	25.1	4.29
C8	19 Aug 2019	12	13.83	75.78	8.0	33.54	8.1	25.1	4.27
C8	19 Aug 2019	13	13.81	75.79	8.0	33.54	8.1	25.1	4.39
C8	19 Aug 2019	14	13.71	76.06	7.7	33.55	8.1	25.1	4.21
C8	19 Aug 2019	15	13.55	77.34	7.5	33.55	8.1	25.2	3.65
C8	19 Aug 2019	16	13.49	78.34	7.2	33.56	8.1	25.2	3.63
C8	19 Aug 2019	17	13.26	77.99	6.7	33.58	8.1	25.2	2.99
C8	19 Aug 2019	18	13.21	81.62	6.5	33.57	8.0	25.2	1.77
C8	19 Aug 2019	19	13.19	82.82	6.5	33.57	8.0	25.2	1.47
C8	28 Aug 2019	1	22.56	77.47	8.7	33.67	8.2	23.1	1.76
C8	28 Aug 2019	2	22.54	77.34	8.6	33.67	8.2	23.1	1.86
C8	28 Aug 2019	3	21.96	76.36	8.6	33.69	8.2	23.2	2.84
C8	28 Aug 2019	4	20.71	71.99	8.1	33.70	8.2	23.6	4.12
C8	28 Aug 2019	5	18.62	70.68	7.1	33.67	8.2	24.1	4.73
C8	28 Aug 2019	6	17.46	73.05	6.6	33.65	8.1	24.4	4.45
C8	28 Aug 2019	7	16.05	76.48	6.7	33.58	8.1	24.6	3.58
C8	28 Aug 2019	8	15.63	80.04	6.8	33.53	8.0	24.7	2.60
C8	28 Aug 2019	9	15.50	81.20	6.7	33.53	8.0	24.7	2.21
C8	28 Aug 2019	10	15.14	81.99	6.9	33.53	8.0	24.8	1.90
C8	28 Aug 2019	11	14.91	83.25	7.0	33.51	8.0	24.8	1.68
C8	28 Aug 2019	12	14.70	84.33	6.9	33.53	8.0	24.9	1.49
C8	28 Aug 2019	13	14.16	84.89	6.7	33.54	8.0	25.0	1.03
C8	28 Aug 2019	14	13.85	85.55	6.7	33.52	8.0	25.1	0.79
C8	28 Aug 2019	15	13.76	85.95	6.7	33.52	8.0	25.1	0.71
C8	28 Aug 2019	16	13.53	86.41	6.9	33.51	8.0	25.1	0.75
C8	28 Aug 2019	17	13.50	86.59	6.9	33.51	8.0	25.1	0.71
C8	28 Aug 2019	18	13.47	86.50	6.8	33.52	8.0	25.2	0.67
C8	28 Aug 2019	19	13.44	86.60	6.9	33.52	8.0	25.2	0.65

NA = not available

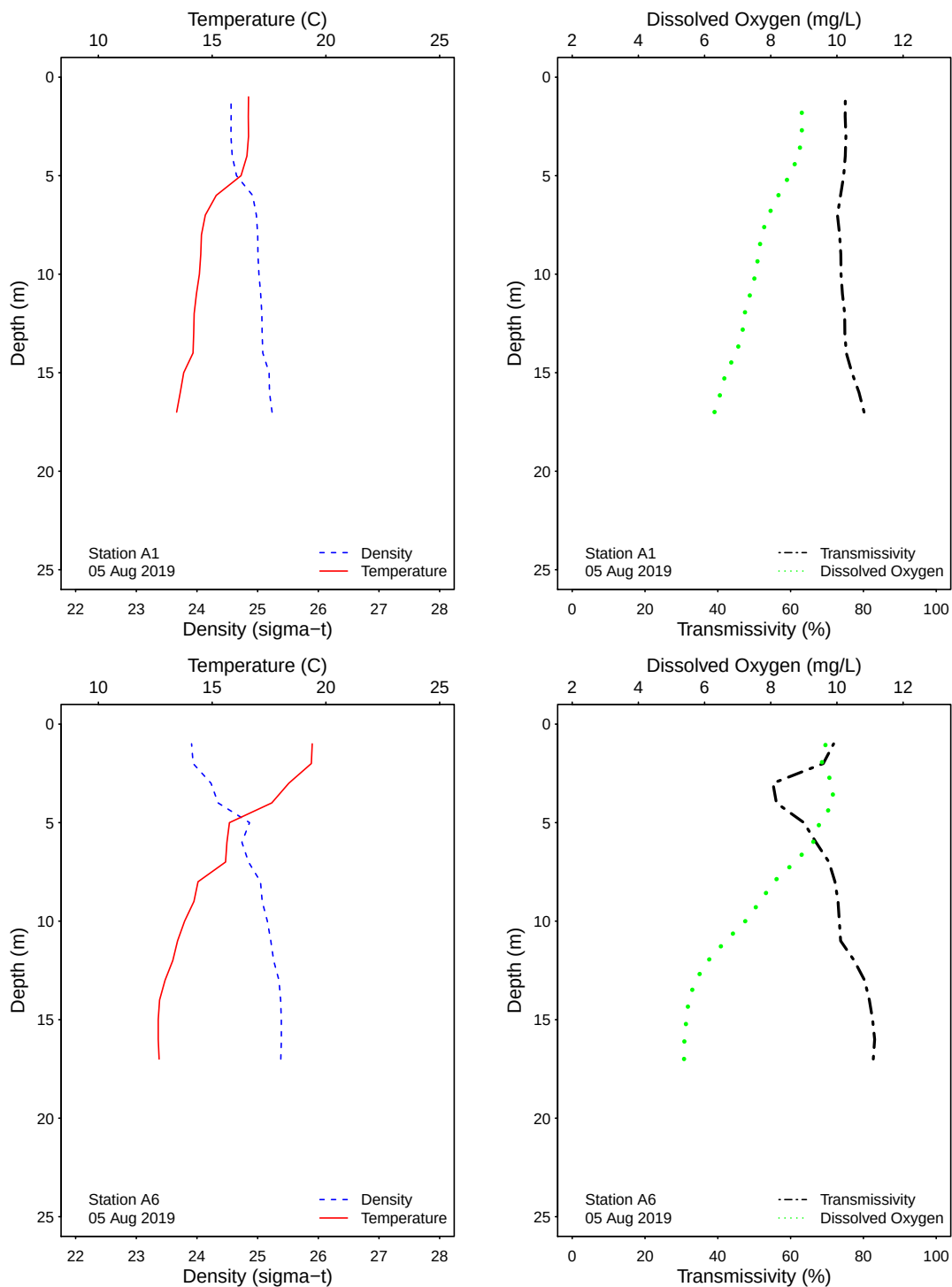


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

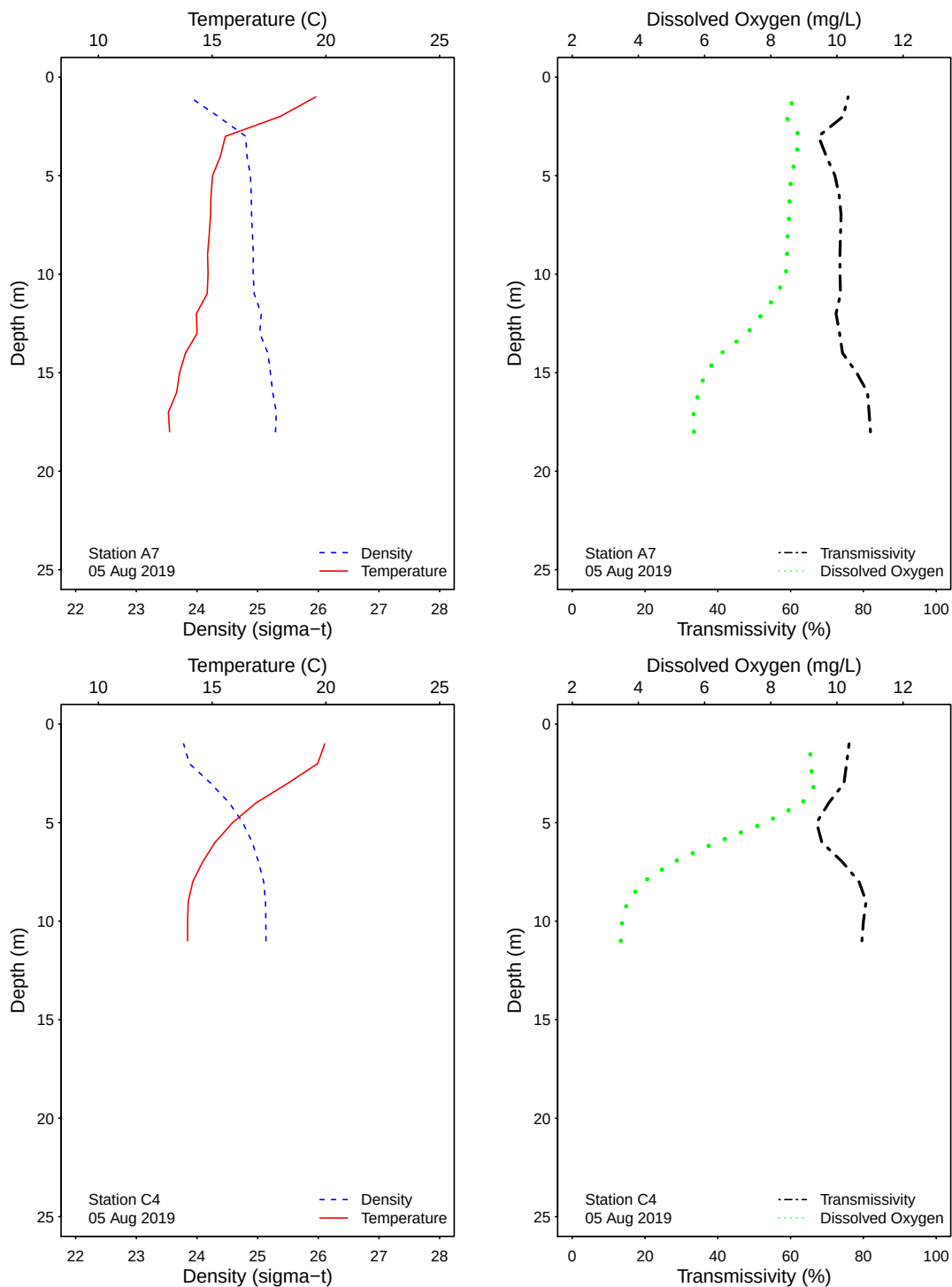


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

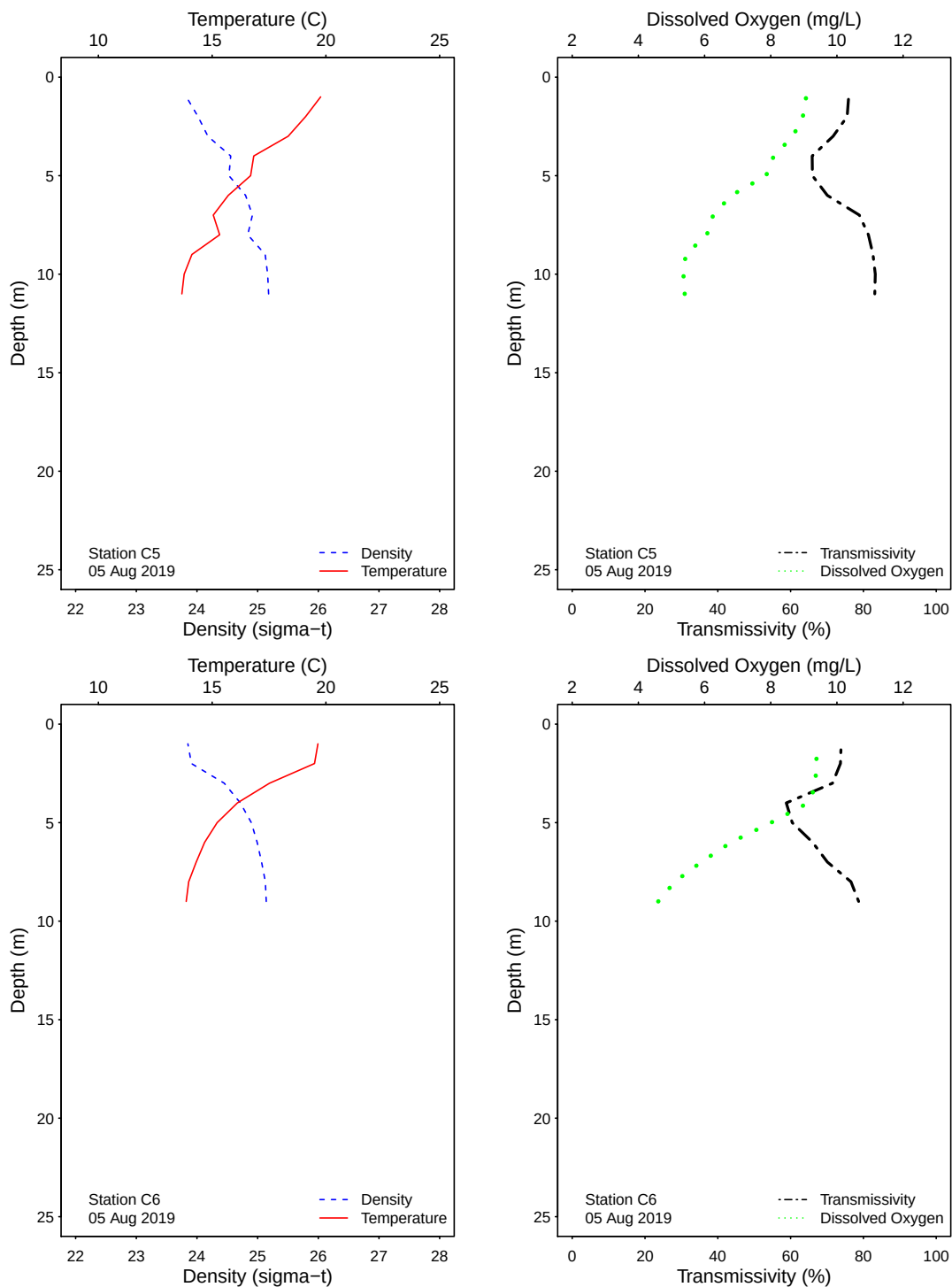


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

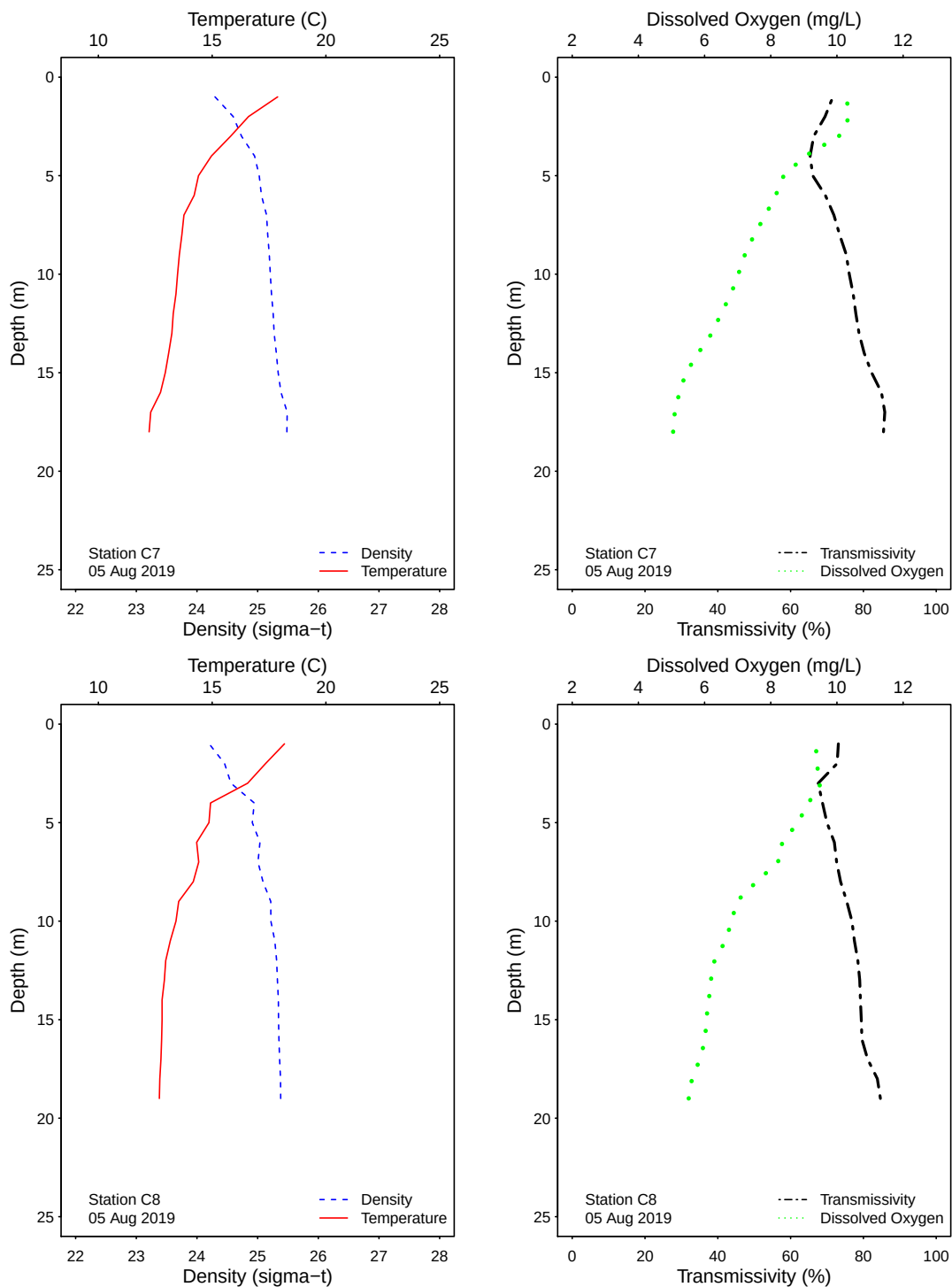


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

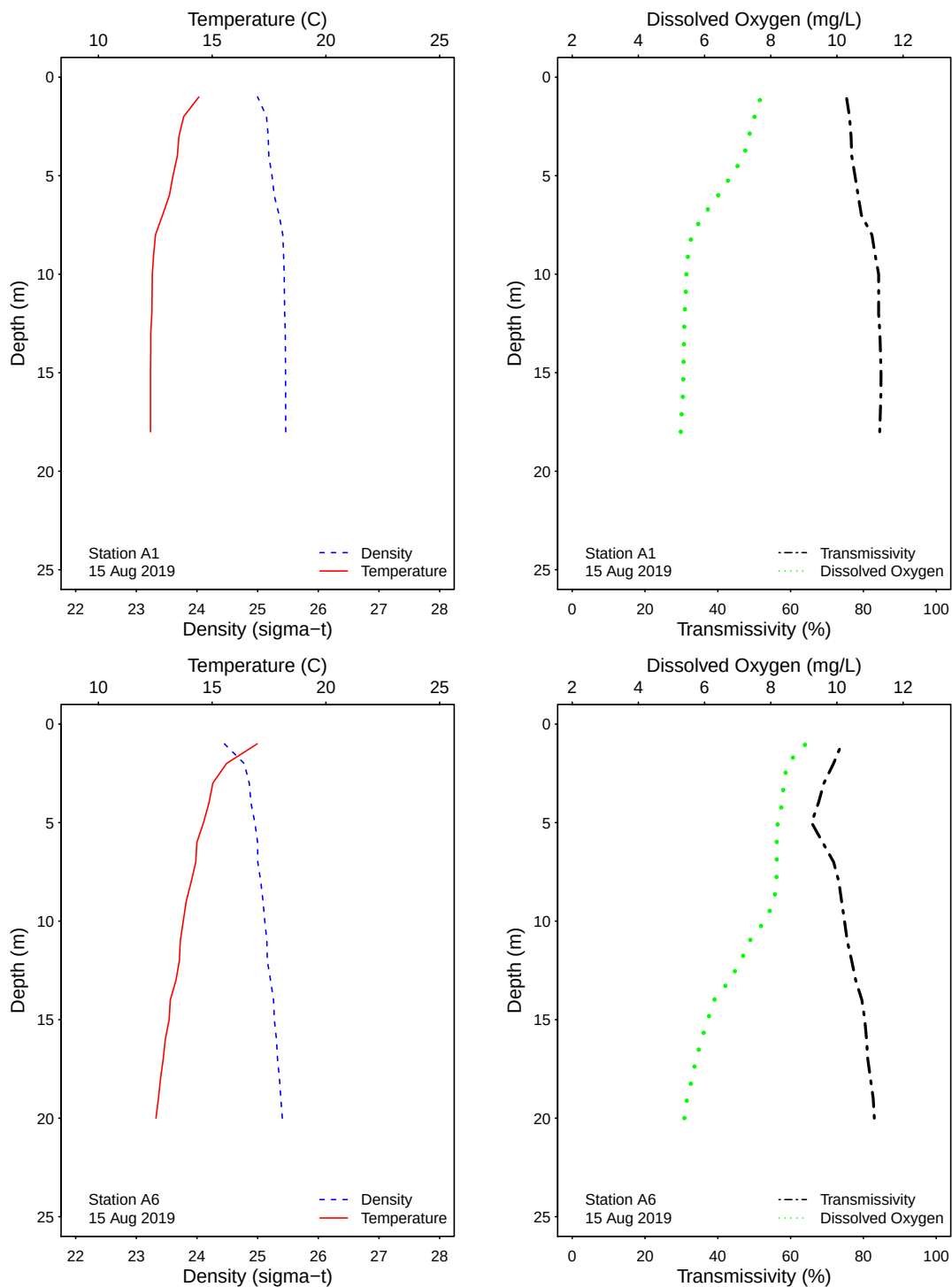


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

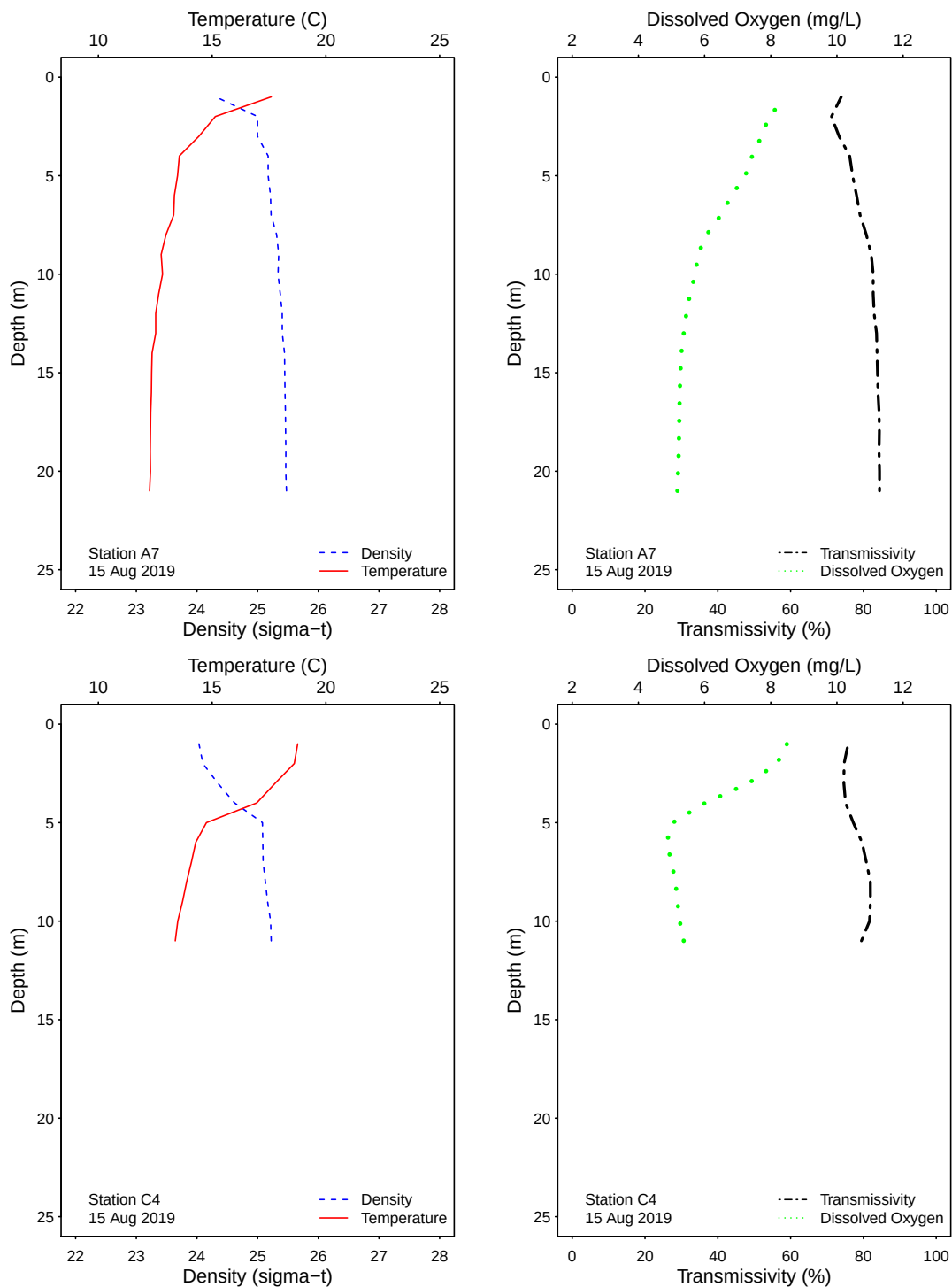


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

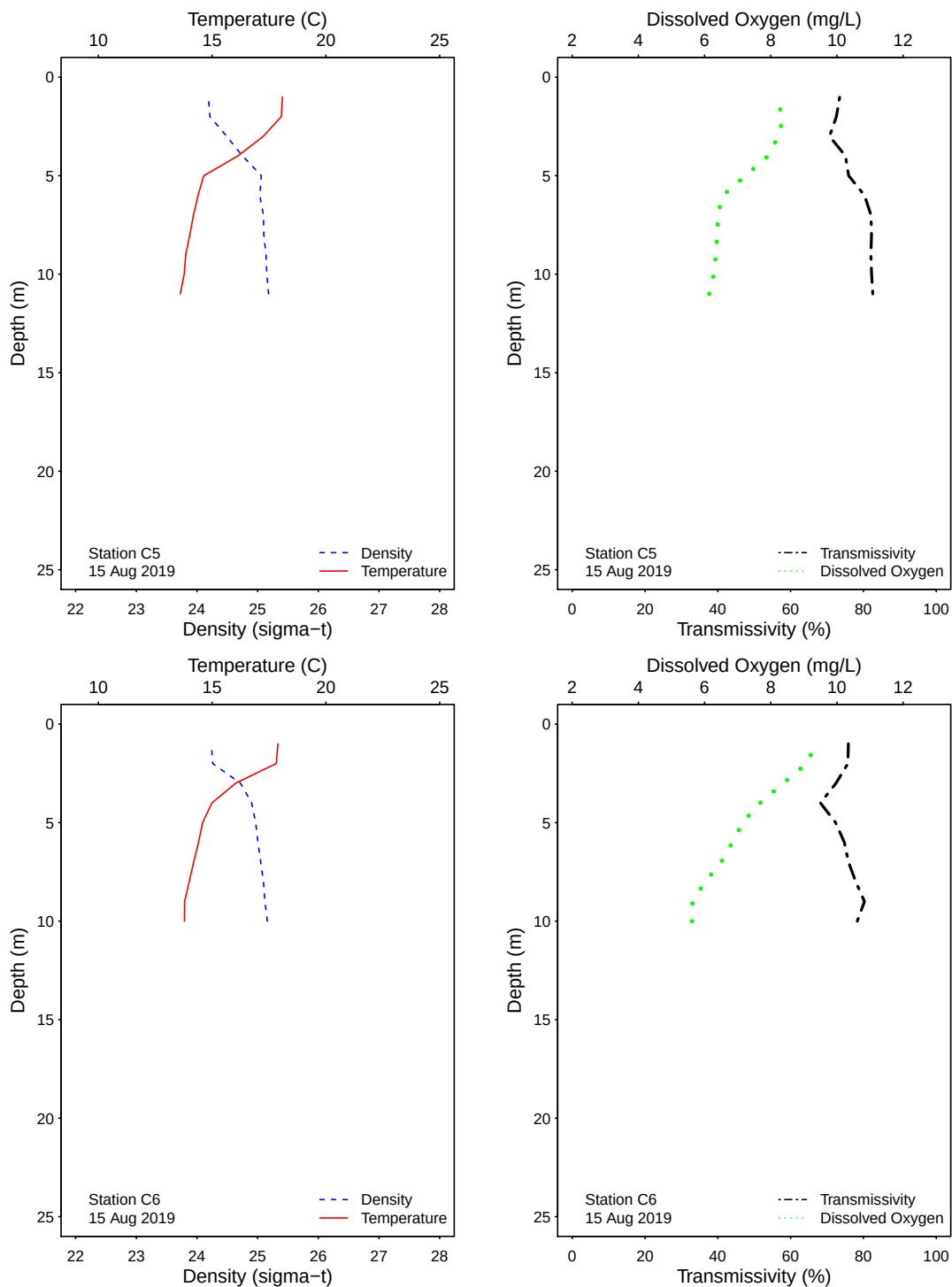


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

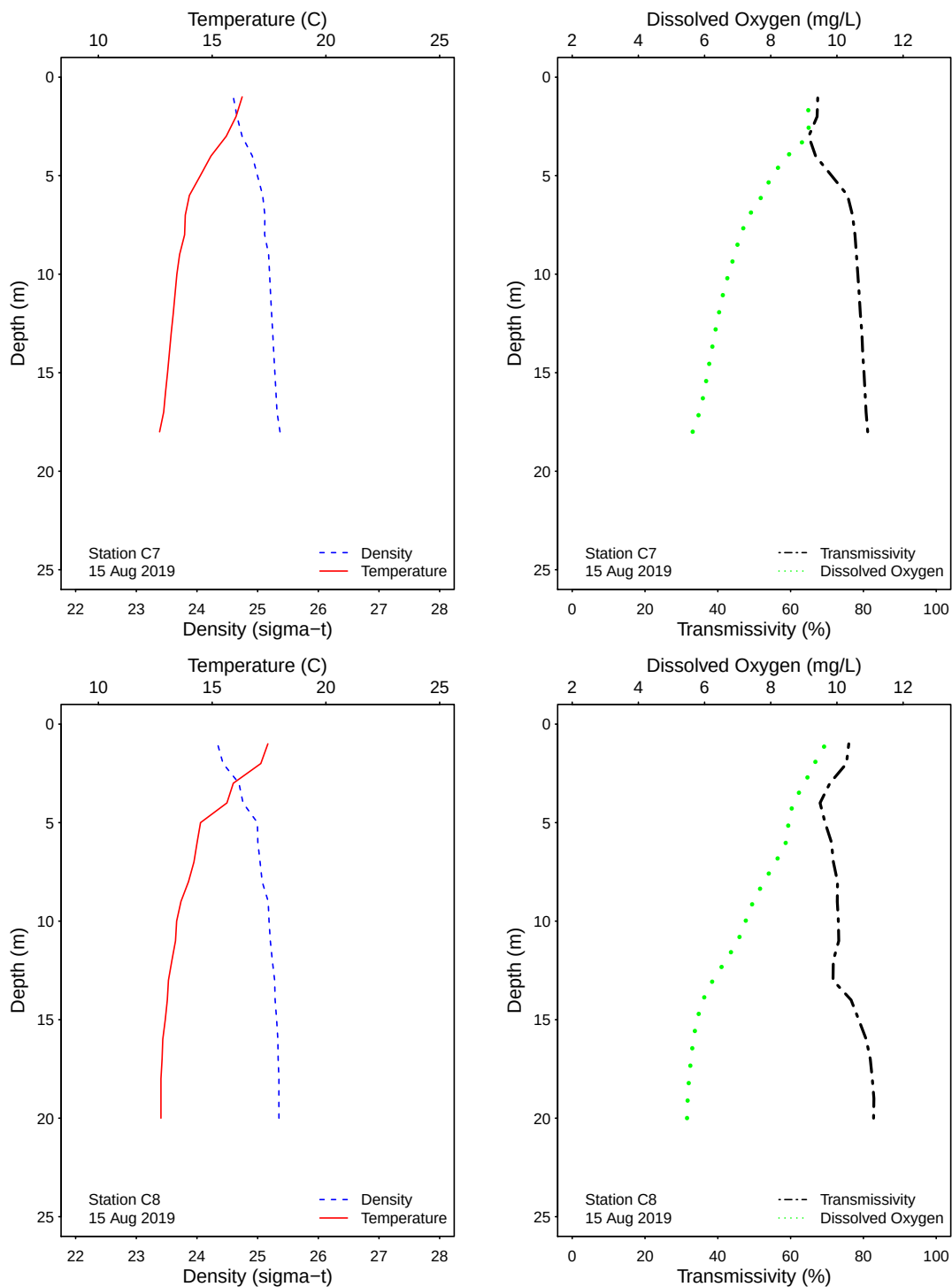


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

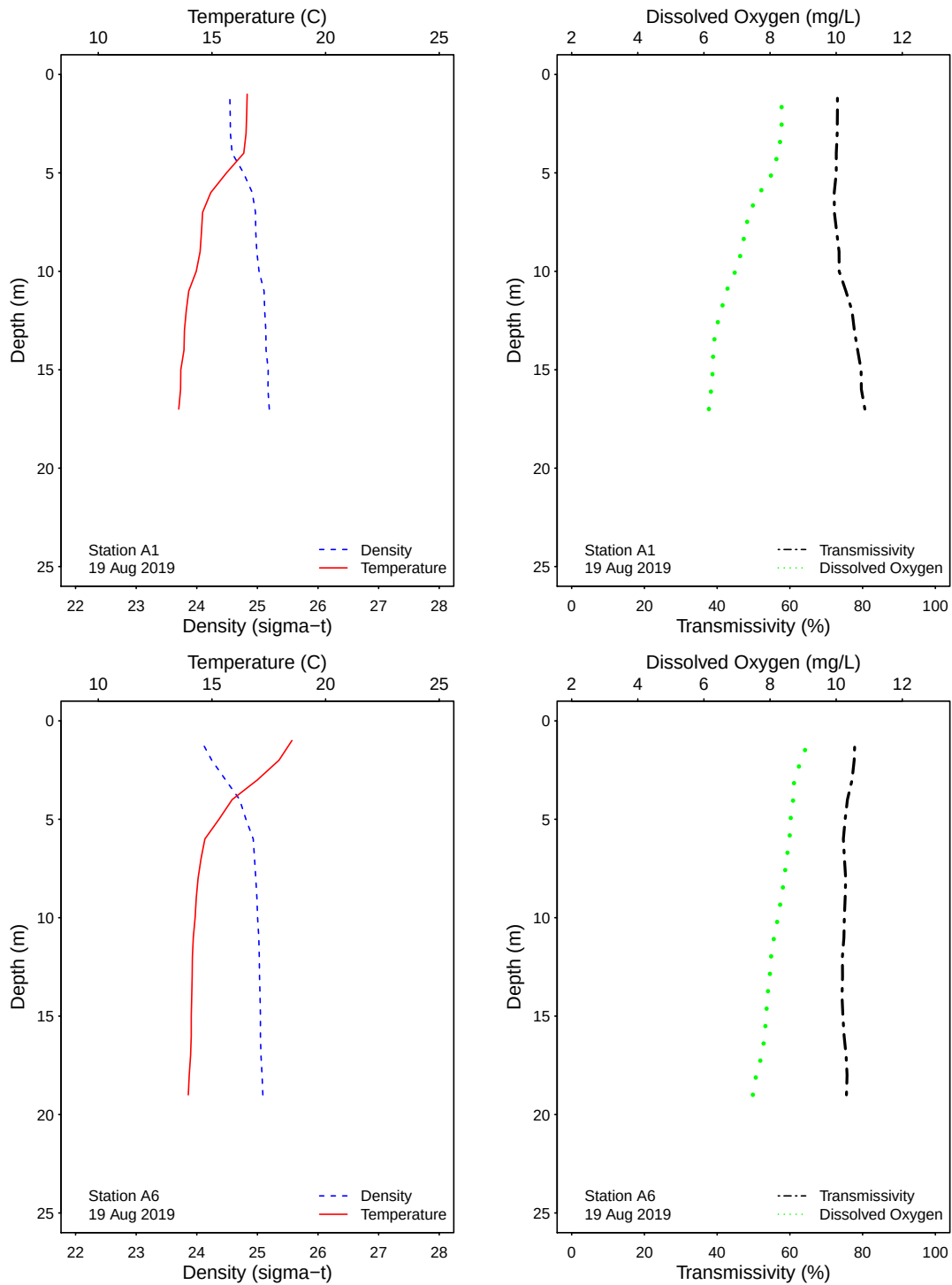


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

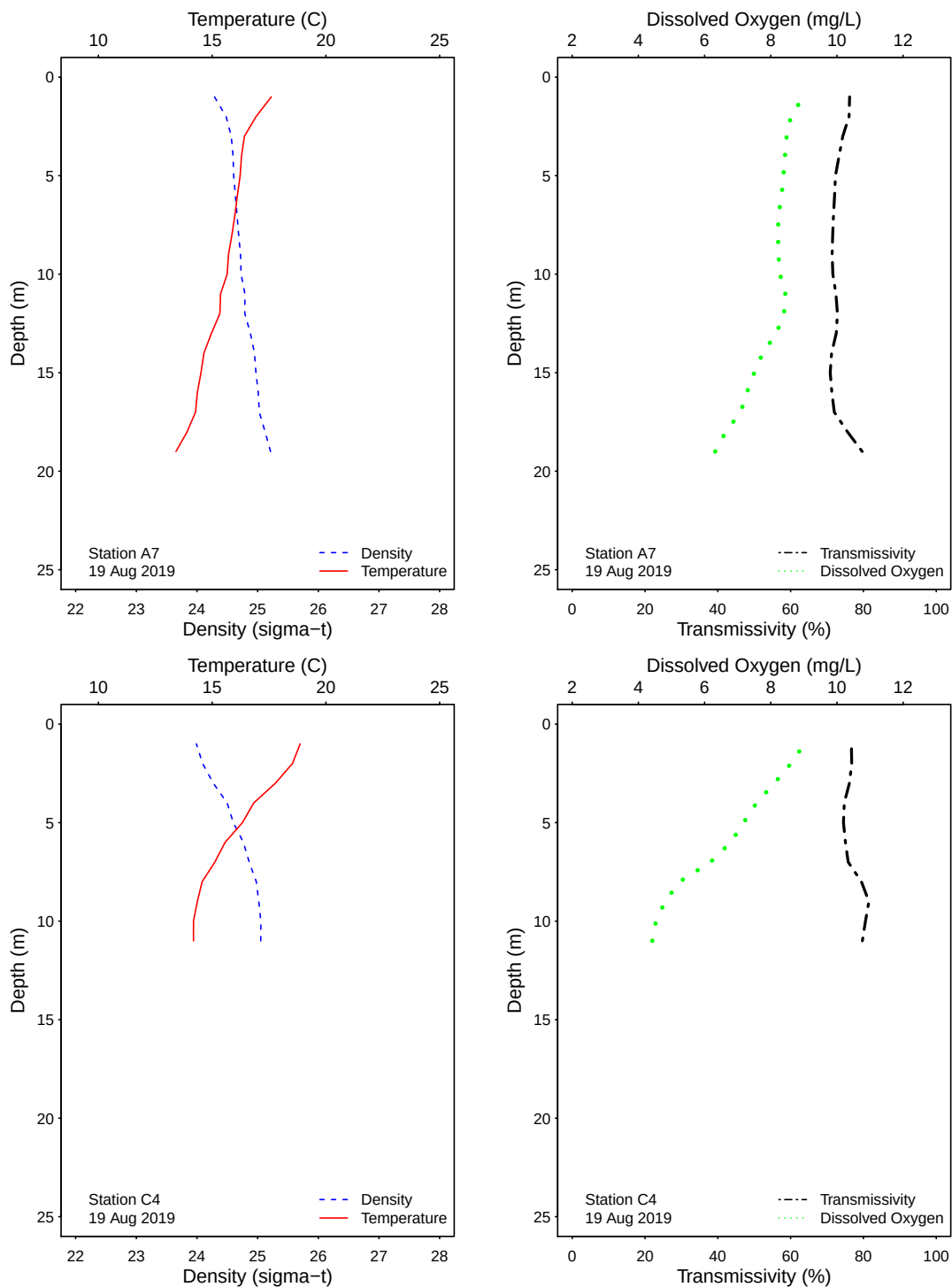


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

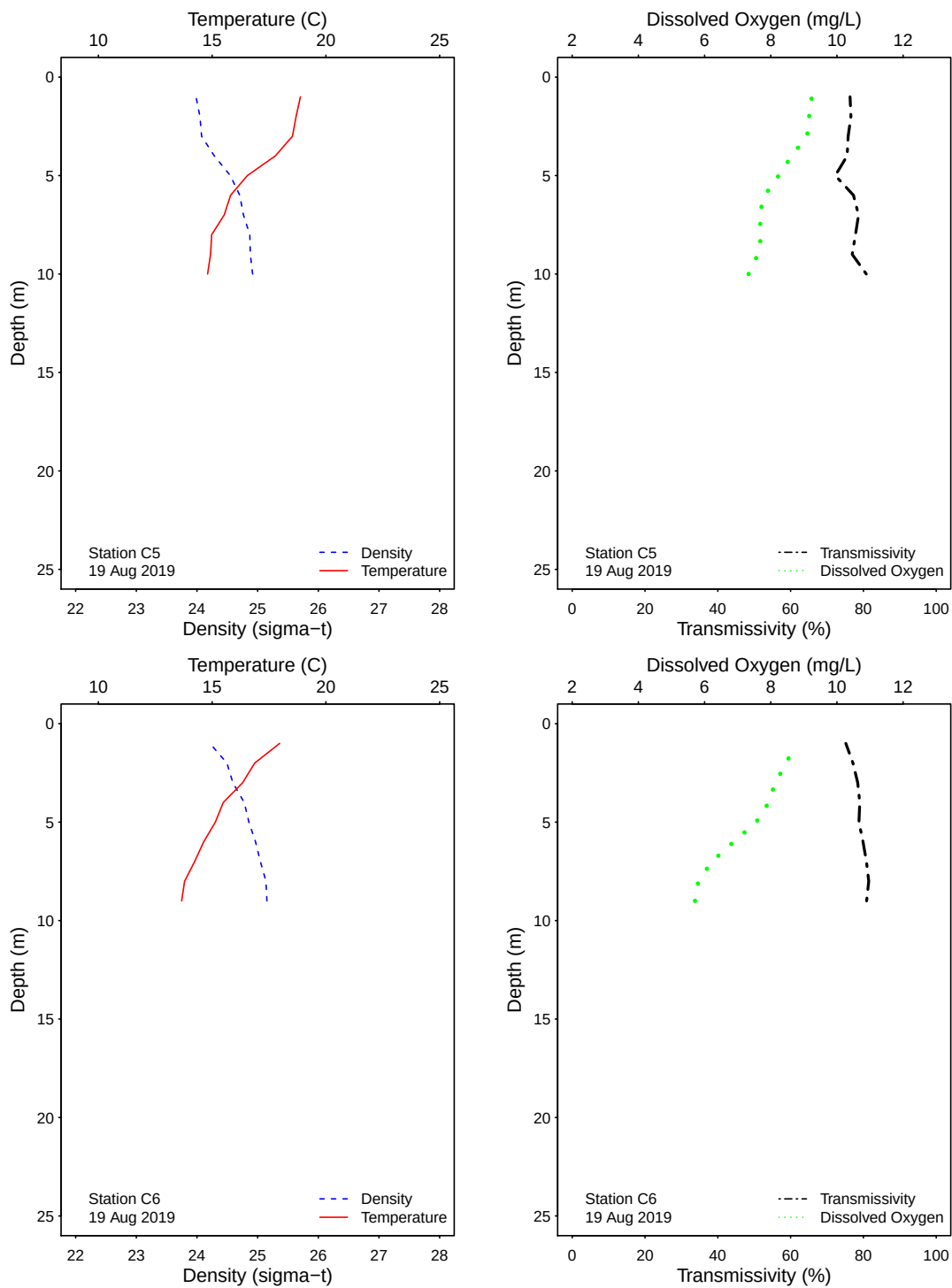


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

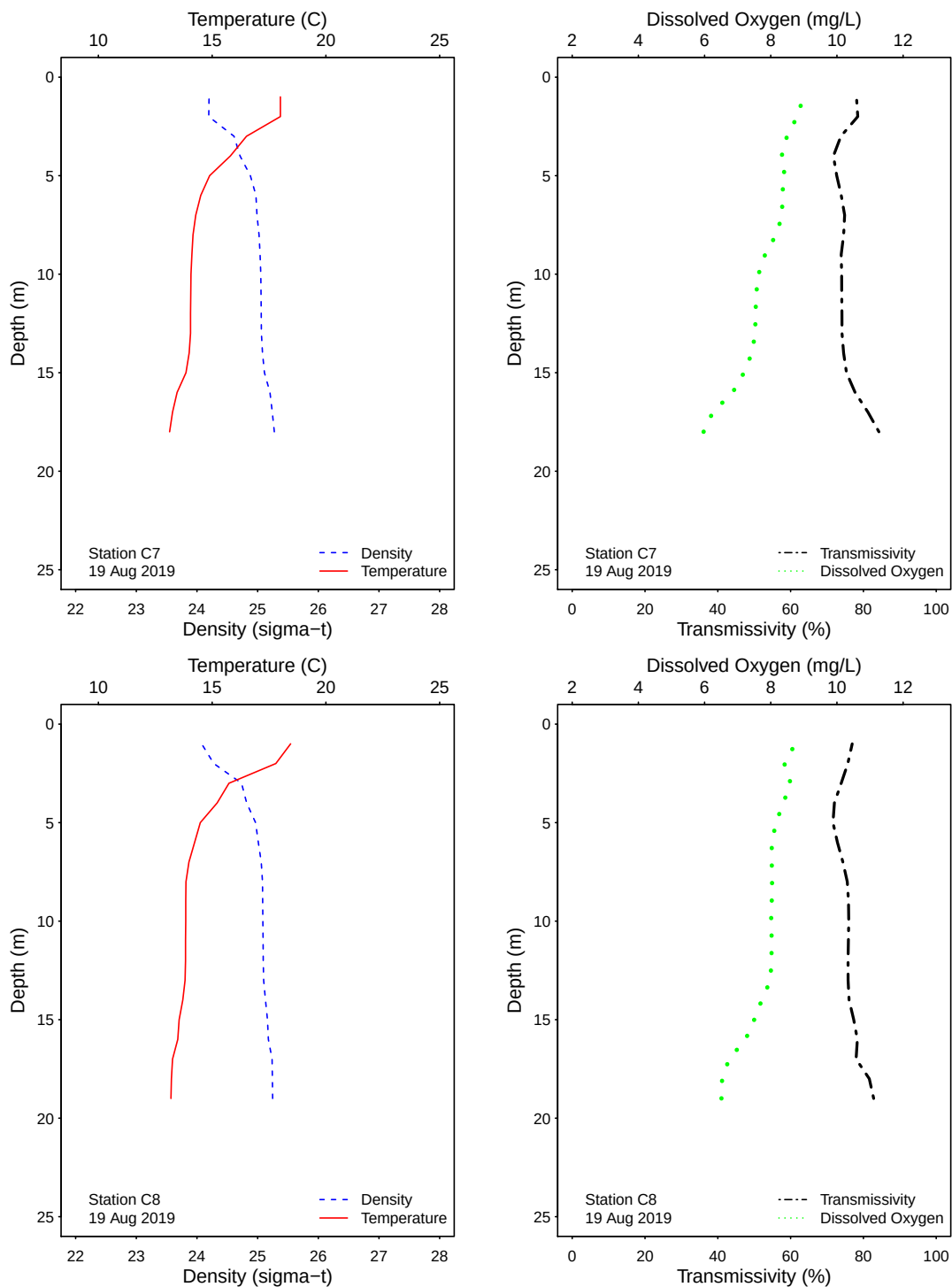


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

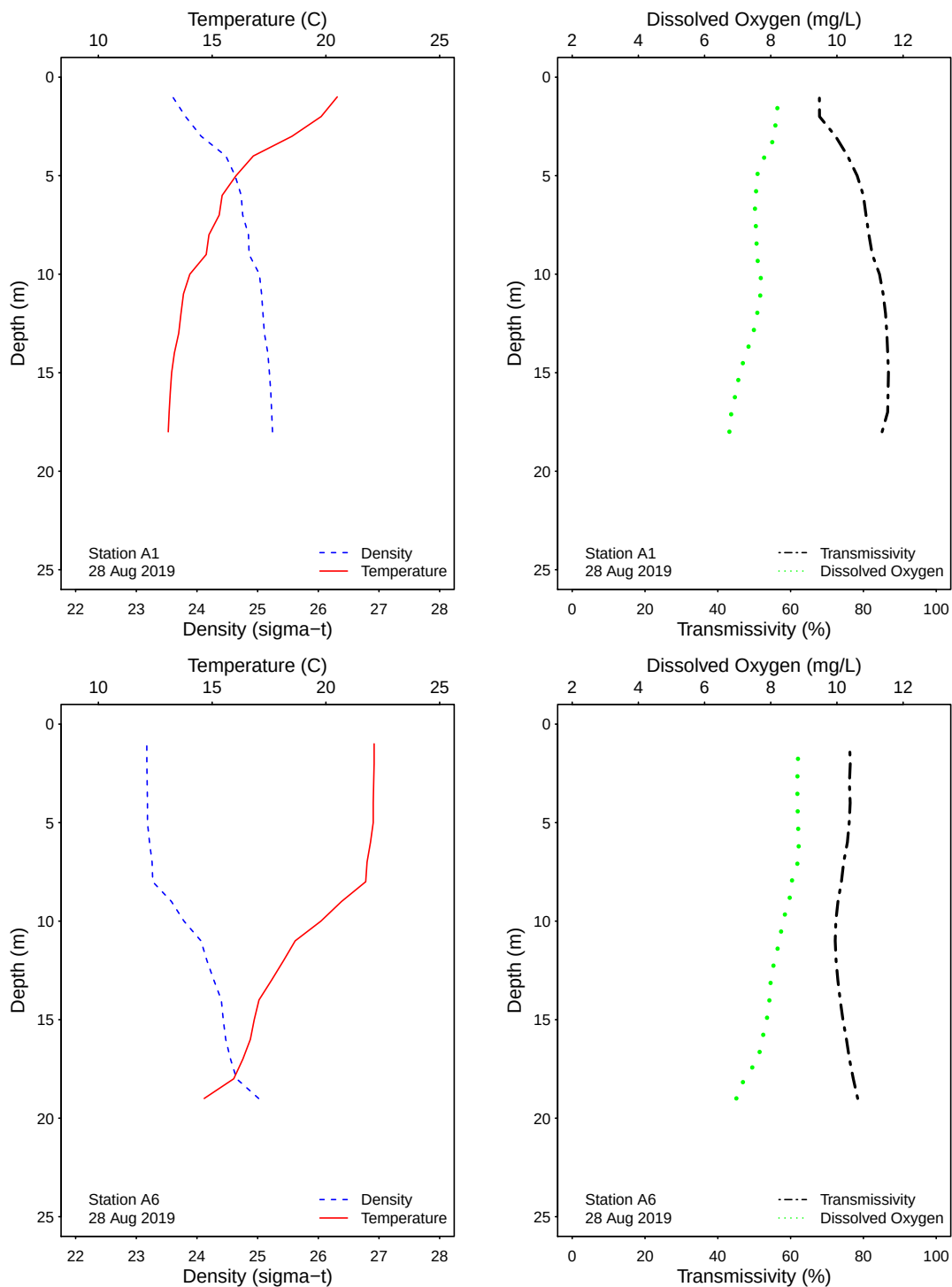


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

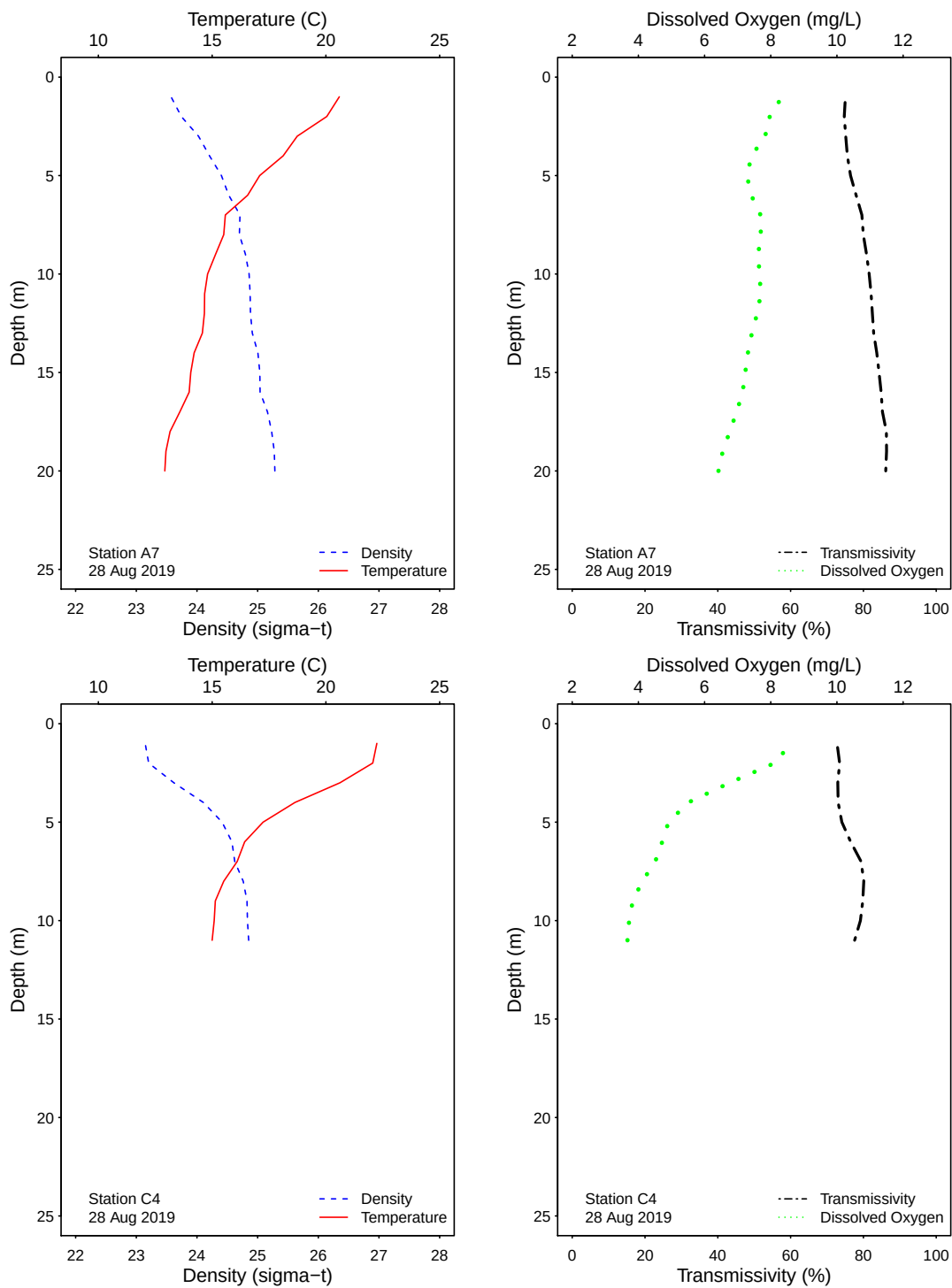


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

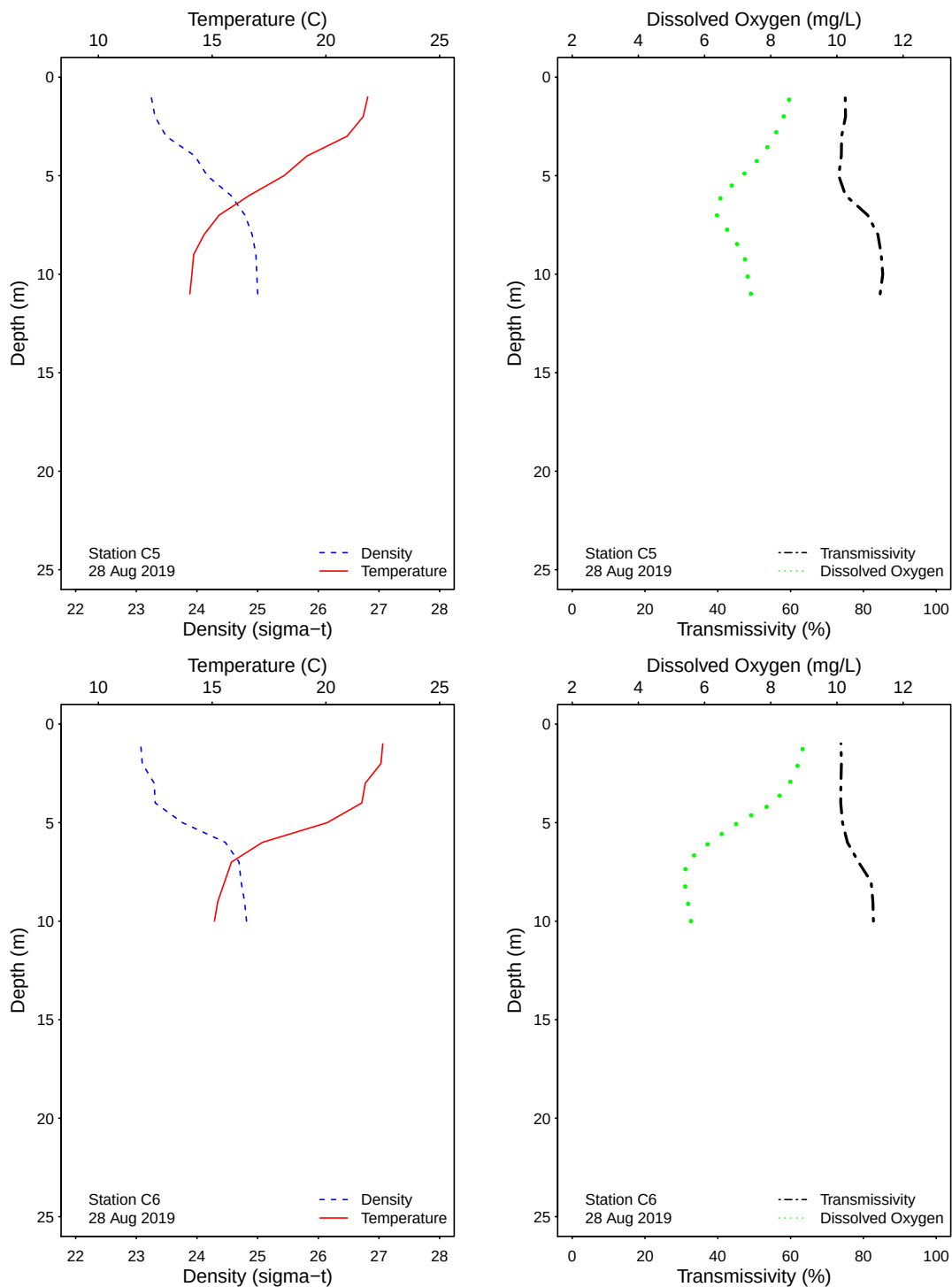


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

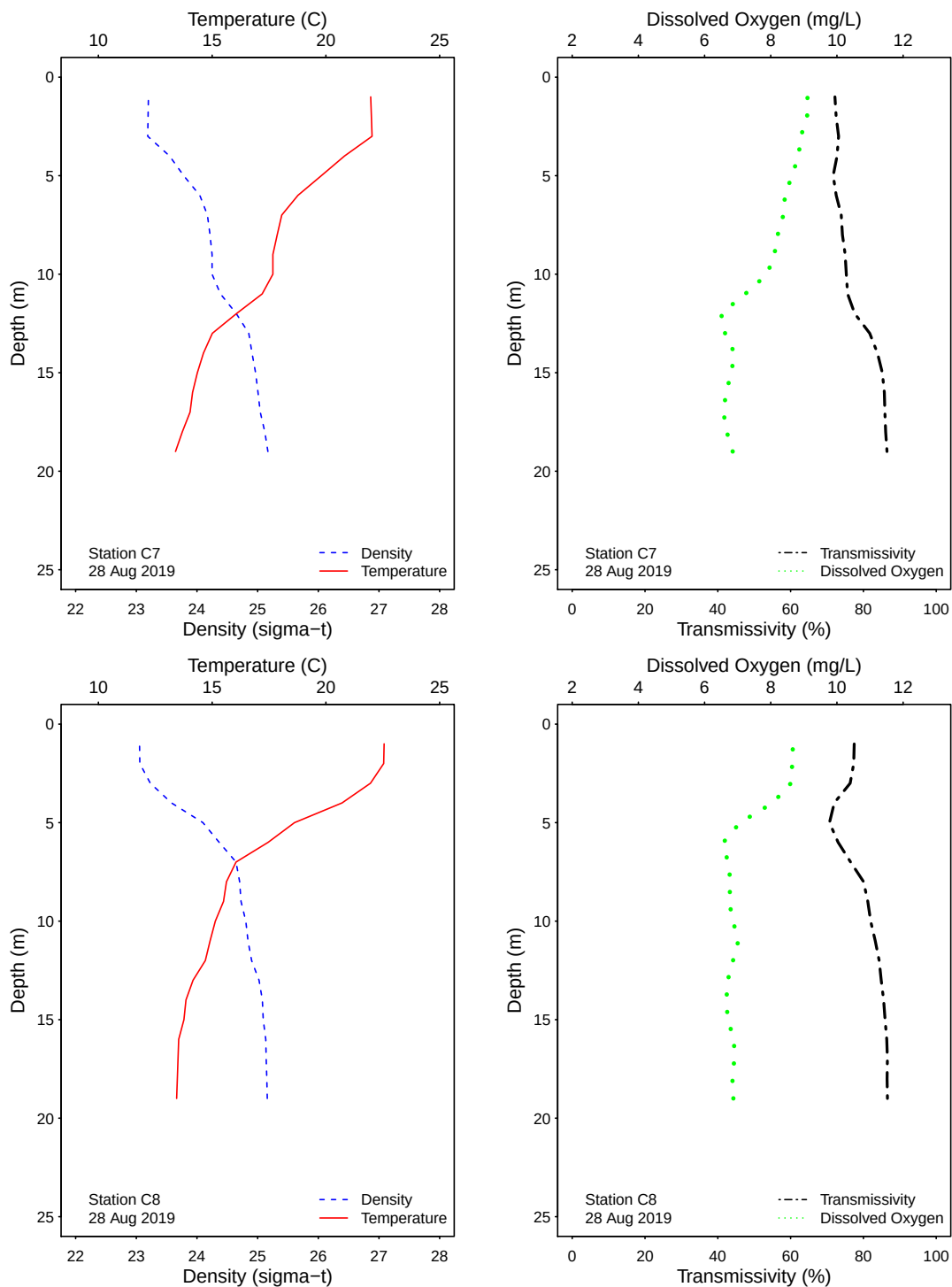


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

Offshore Stations

Table 4.1

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
08 Aug 2019	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	ns	ns	ns
09 Aug 2019	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

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; 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	Temp	XMS	DO	Sal	pH
F01	08 Aug 2019	1214	1	<2	18.9	77.47	9.2	33.64	8.2
F01	08 Aug 2019	1214	12	<2	14.3	74.72	8.4	33.59	8.2
F01	08 Aug 2019	1214	18	<2	12.6	78.79	5.6	33.59	8.1
F02	08 Aug 2019	818	1	<2	18.5	71.43	9.7	33.67	8.2
F02	08 Aug 2019	818	12	<2	13.4	70.23	6.6	33.60	8.2
F02	08 Aug 2019	818	18	<2	12.4	76.88	5.3	33.61	8.1
F03	08 Aug 2019	839	1	<2	18.9	70.54	10.4	33.67	8.3
F03	08 Aug 2019	839	12	<2	13.2	78.05	6.8	33.61	8.2
F03	08 Aug 2019	839	18	<2	12.6	78.71	5.4	33.61	8.1
F04	08 Aug 2019	1151	1	<2	20.3	72.78	9.8	33.69	8.3
F04	08 Aug 2019	1151	25	4e	11.6	87.87	5.4	33.68	8.1
F04	08 Aug 2019	1151	60	40	11.2	87.18	5.0	33.69	7.9
F05	08 Aug 2019	1136	1	<2	19.4	74.71	10.0	33.67	8.3
F05	08 Aug 2019	1136	25	<2	11.8	87.75	5.8	33.65	8.1
F05	08 Aug 2019	1136	60	14e	11.2	86.88	4.9	33.70	7.9
F06	08 Aug 2019	1119	1	<2	18.9	74.41	10.0	33.66	8.3
F06	08 Aug 2019	1119	25	<2	12.1	86.60	6.4	33.62	8.1
F06	08 Aug 2019	1119	60	32e	11.2	85.92	4.9	33.70	8.0
F07	08 Aug 2019	1103	1	<2	17.9	75.88	9.7	33.70	8.3
F07	08 Aug 2019	1103	25	<2	12.8	82.35	7.2	33.58	8.2
F07	08 Aug 2019	1103	60	4e	11.3	86.41	5.1	33.69	8.0
F08	08 Aug 2019	1042	1	<2	17.5	76.42	9.4	33.63	8.2
F08	08 Aug 2019	1042	25	<2	12.9	81.93	6.5	33.61	8.1
F08	08 Aug 2019	1042	60	4e	11.4	84.83	5.1	33.68	8.0
F09	08 Aug 2019	1029	1	<2	16.5	78.54	8.9	33.62	8.2
F09	08 Aug 2019	1029	25	<2	12.3	85.96	6.1	33.61	8.1
F09	08 Aug 2019	1029	60	2e	11.4	83.34	5.0	33.68	7.9
F10	08 Aug 2019	1005	1	<2	16.9	75.59	9.8	33.66	8.2
F10	08 Aug 2019	1005	25	<2	13.1	80.29	6.8	33.58	8.2
F10	08 Aug 2019	1005	60	6e	11.3	80.44	4.8	33.68	8.0
F11	08 Aug 2019	949	1	<2	17.1	70.26	10.7	33.66	8.3
F11	08 Aug 2019	949	25	<2	12.2	85.19	5.9	33.62	8.0
F11	08 Aug 2019	949	60	2e	11.3	81.71	4.8	33.68	7.9
F12	08 Aug 2019	931	1	<2	18.6	73.17	9.9	33.66	8.2
F12	08 Aug 2019	931	25	<2	12.3	84.27	5.4	33.62	8.0
F12	08 Aug 2019	931	60	<2	11.2	82.62	4.7	33.70	7.9

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F13	08 Aug 2019	912	1	<2	19.4	72.69	9.9	33.68	8.2
F13	08 Aug 2019	912	25	<2	12.3	86.21	5.6	33.62	8.1
F13	08 Aug 2019	912	60	8e	11.3	83.14	4.8	33.68	7.9
F14	08 Aug 2019	857	1	<2	19.6	70.63	10.2	33.67	8.2
F14	08 Aug 2019	857	25	<2	12.1	87.16	5.6	33.63	8.1
F14	08 Aug 2019	857	60	<2	11.4	81.01	4.9	33.67	7.9
F15	09 Aug 2019	1138	1	<2	20.3	75.29	10.2	33.69	8.3
F15	09 Aug 2019	1138	25	<2	12.1	87.31	6.2	33.64	8.0
F15	09 Aug 2019	1138	60	10e	11.1	87.47	4.8	33.71	7.8
F15	09 Aug 2019	1138	80	14e	10.7	85.92	4.4	33.77	7.8
F16	09 Aug 2019	1120	1	<2	19.0	74.90	11.1	33.67	8.3
F16	09 Aug 2019	1120	25	<2	12.1	87.43	6.1	33.64	8.0
F16	09 Aug 2019	1120	60	12e	11.2	87.58	4.9	33.70	7.8
F16	09 Aug 2019	1120	80	18e	10.7	85.18	4.3	33.79	7.8
F17	09 Aug 2019	1106	1	<2	18.4	76.03	10.0	33.65	8.2
F17	09 Aug 2019	1106	25	<2	12.1	87.31	6.2	33.64	8.0
F17	09 Aug 2019	1106	60	34e	11.2	87.16	5.0	33.69	7.8
F17	09 Aug 2019	1106	80	20e	10.9	83.87	4.4	33.74	7.8
F18	09 Aug 2019	1049	1	<2	17.3	76.74	9.3	33.62	8.2
F18	09 Aug 2019	1049	25	<2	12.1	86.79	6.2	33.63	8.0
F18	09 Aug 2019	1049	60	18e	11.2	87.66	5.0	33.70	7.8
F18	09 Aug 2019	1049	80	24e	11.1	86.42	4.8	33.70	7.8
F19	09 Aug 2019	1034	1	<2	17.5	75.43	9.7	33.62	8.2
F19	09 Aug 2019	1034	25	<2	12.3	85.78	6.5	33.60	8.0
F19	09 Aug 2019	1034	60	8e	11.3	87.76	5.0	33.69	7.8
F19	09 Aug 2019	1034	80	4e	10.8	81.28	4.3	33.75	7.8
F20	09 Aug 2019	1020	1	<2	17.7	73.52	10.2	33.66	8.2
F20	09 Aug 2019	1020	25	<2	12.4	83.23	5.7	33.61	8.0
F20	09 Aug 2019	1020	60	32e	11.2	87.69	4.9	33.69	7.8
F20	09 Aug 2019	1020	80	4e	10.9	82.27	4.4	33.73	7.8
F21	09 Aug 2019	957	1	<2	19.1	71.69	9.9	33.67	8.2
F21	09 Aug 2019	957	25	<2	12.0	87.08	5.8	33.63	7.9
F21	09 Aug 2019	957	60	6e	11.3	87.24	5.1	33.68	7.8
F21	09 Aug 2019	957	80	<2	10.9	85.45	4.4	33.74	7.8
F22	09 Aug 2019	939	1	<2	19.5	71.82	10.0	33.66	8.2
F22	09 Aug 2019	939	25	2e	12.0	87.12	5.8	33.63	7.9
F22	09 Aug 2019	939	60	2e	11.3	87.18	5.0	33.69	7.8
F22	09 Aug 2019	939	80	4e	10.8	81.43	4.2	33.75	7.8
F23	09 Aug 2019	924	1	<2	19.9	74.20	9.2	33.69	8.2
F23	09 Aug 2019	924	25	<2	12.2	86.77	5.9	33.62	7.9
F23	09 Aug 2019	924	60	<2	11.2	87.43	5.0	33.69	7.8
F23	09 Aug 2019	924	80	2e	10.7	83.98	4.3	33.77	7.8
F24	09 Aug 2019	906	1	<2	20.2	74.91	9.0	33.67	8.2
F24	09 Aug 2019	906	25	<2	12.1	86.99	6.0	33.62	8.0

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F24	09 Aug 2019	906	60	4e	11.0	86.68	4.7	33.71	7.8
F24	09 Aug 2019	906	80	<2	10.7	81.57	4.3	33.77	7.8
F25	09 Aug 2019	847	1	<2	20.5	79.11	8.9	33.67	8.2
F25	09 Aug 2019	847	25	<2	12.7	83.88	6.7	33.58	8.0
F25	09 Aug 2019	847	60	2e	11.2	88.01	5.1	33.69	7.8
F25	09 Aug 2019	847	80	2e	10.8	81.86	4.4	33.75	7.8
F26	07 Aug 2019	1122	1	<2	20.3	71.07	9.5	33.69	8.3
F26	07 Aug 2019	1122	25	<2	11.7	87.99	5.8	33.66	8.2
F26	07 Aug 2019	1122	60	4e	11.0	87.85	4.7	33.73	8.1
F26	07 Aug 2019	1122	80	18e	10.6	86.75	4.3	33.79	8.1
F26	07 Aug 2019	1122	98	6e	10.3	86.09	3.9	33.87	8.0
F27	07 Aug 2019	1106	1	<2	20.1	72.25	9.4	33.68	8.3
F27	07 Aug 2019	1106	25	<2	11.7	88.10	5.7	33.67	8.2
F27	07 Aug 2019	1106	60	48	11.0	87.59	4.7	33.73	8.1
F27	07 Aug 2019	1106	80	12e	10.7	87.01	4.4	33.78	8.0
F27	07 Aug 2019	1106	98	10e	10.5	85.88	4.2	33.81	8.0
F28	07 Aug 2019	1053	1	<2	19.5	74.28	9.3	33.65	8.3
F28	07 Aug 2019	1053	25	<2	11.7	88.09	5.7	33.66	8.2
F28	07 Aug 2019	1053	60	24e	11.0	87.32	4.7	33.72	8.1
F28	07 Aug 2019	1053	80	38e	10.8	86.79	4.5	33.76	8.1
F28	07 Aug 2019	1053	98	16e	10.5	85.01	4.2	33.82	8.0
F29	07 Aug 2019	1037	1	<2	19.2	73.45	9.3	33.66	8.3
F29	07 Aug 2019	1037	25	12e	12.1	86.72	6.3	33.62	8.2
F29	07 Aug 2019	1037	60	12e	10.9	87.23	4.7	33.73	8.1
F29	07 Aug 2019	1037	80	2e	10.6	85.63	4.3	33.78	8.0
F29	07 Aug 2019	1037	98	10e	10.5	83.99	4.1	33.81	8.0
F30	07 Aug 2019	1019	1	<2	18.4	74.29	9.4	33.65	8.3
F30	07 Aug 2019	1019	25	<2	11.9	87.15	6.0	33.63	8.2
F30	07 Aug 2019	1019	60	86	10.8	81.42	4.3	33.68	8.1
F30	07 Aug 2019	1019	80	140e	10.6	84.52	4.2	33.76	8.0
F30	07 Aug 2019	1019	98	64	10.3	84.09	4.0	33.85	8.0
F31	07 Aug 2019	1004	1	<2	18.1	74.41	9.3	33.63	8.3
F31	07 Aug 2019	1004	25	<2	11.8	87.16	6.0	33.63	8.2
F31	07 Aug 2019	1004	60	4e	11.2	87.85	4.8	33.72	8.1
F31	07 Aug 2019	1004	80	6e	10.9	86.43	4.6	33.73	8.1
F31	07 Aug 2019	1004	98	8e	10.4	83.59	4.1	33.84	8.0
F32	07 Aug 2019	949	1	<2	18.9	74.23	9.6	33.66	8.3
F32	07 Aug 2019	949	25	<2	11.8	87.06	6.0	33.64	8.2
F32	07 Aug 2019	949	60	<2	11.2	87.77	4.8	33.72	8.1
F32	07 Aug 2019	949	80	<2	11.0	87.68	4.7	33.73	8.1
F32	07 Aug 2019	949	98	2e	10.8	85.44	4.4	33.75	8.0
F33	07 Aug 2019	935	1	<2	19.9	74.98	9.4	33.70	8.3
F33	07 Aug 2019	935	25	<2	12.1	86.03	6.3	33.62	8.2
F33	07 Aug 2019	935	60	<2	11.1	87.58	4.8	33.72	8.1
F33	07 Aug 2019	935	80	22e	10.9	87.56	4.6	33.73	8.1
F33	07 Aug 2019	935	98	6e	10.8	83.91	4.4	33.75	8.0

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F34	07 Aug 2019	917	1	2e	20.3	76.34	8.9	33.68	8.3
F34	07 Aug 2019	917	25	4e	12.5	80.04	6.9	33.59	8.2
F34	07 Aug 2019	917	60	24e	11.0	87.53	4.7	33.72	8.1
F34	07 Aug 2019	917	80	4e	10.9	87.72	4.6	33.74	8.0
F34	07 Aug 2019	917	98	4e	10.8	86.97	4.5	33.76	8.0
F35	07 Aug 2019	858	1	<2	21.4	78.68	8.5	33.67	8.3
F35	07 Aug 2019	858	25	<2	12.5	84.78	7.1	33.55	8.2
F35	07 Aug 2019	858	60	2e	11.1	87.98	4.9	33.72	8.1
F35	07 Aug 2019	858	80	8e	10.9	87.64	4.6	33.74	8.1
F35	07 Aug 2019	858	98	<2	10.7	86.23	4.4	33.78	8.0
F36	07 Aug 2019	837	1	<2	21.4	79.79	8.6	33.67	8.2
F36	07 Aug 2019	837	25	<2	13.9	83.53	8.4	33.49	8.2
F36	07 Aug 2019	837	60	4e	11.3	87.76	5.2	33.68	8.1
F36	07 Aug 2019	837	80	<2	10.9	87.83	4.6	33.74	8.0
F36	07 Aug 2019	837	98	6e	10.7	87.29	4.4	33.77	8.0

ns = not sampled

ND = no data

Table 4.3

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

Station	Date	Parameter	Value
F01	08 Aug 2019	Depth (m)	18
F01	08 Aug 2019	Arrive Time	1214
F01	08 Aug 2019	Depart Time	1216
F01	08 Aug 2019	Air Temp (C)	20
F01	08 Aug 2019	Weather	Partly Cloudy
F01	08 Aug 2019	Visibility (mi)	11
F01	08 Aug 2019	Wind Speed (kts)	2
F01	08 Aug 2019	Wind Dir	S
F01	08 Aug 2019	Water Color	Green
F01	08 Aug 2019	Wave Ht Low (ft)	4
F01	08 Aug 2019	Wave Period (sec)	13
F01	08 Aug 2019	Sea State	Calm
F01	08 Aug 2019	High Tide (ft)	6.33
F01	08 Aug 2019	High Tide Time	2106
F01	08 Aug 2019	Low Tide (ft)	-0.71
F01	08 Aug 2019	Low Tide Time	405
F01	08 Aug 2019	Comments	none
F02	08 Aug 2019	Depth (m)	20
F02	08 Aug 2019	Arrive Time	818
F02	08 Aug 2019	Depart Time	826
F02	08 Aug 2019	Air Temp (C)	19
F02	08 Aug 2019	Weather	Cloudy
F02	08 Aug 2019	Visibility (mi)	4
F02	08 Aug 2019	Wind Speed (kts)	2
F02	08 Aug 2019	Wind Dir	SW
F02	08 Aug 2019	Water Color	Green
F02	08 Aug 2019	Wave Ht Low (ft)	4
F02	08 Aug 2019	Wave Period (sec)	13
F02	08 Aug 2019	Sea State	Calm
F02	08 Aug 2019	High Tide (ft)	6.33
F02	08 Aug 2019	High Tide Time	2106
F02	08 Aug 2019	Low Tide (ft)	-0.71
F02	08 Aug 2019	Low Tide Time	405
F02	08 Aug 2019	Comments	none
F03	08 Aug 2019	Depth (m)	19
F03	08 Aug 2019	Arrive Time	839
F03	08 Aug 2019	Depart Time	842
F03	08 Aug 2019	Air Temp (C)	19
F03	08 Aug 2019	Weather	Cloudy
F03	08 Aug 2019	Visibility (mi)	5
F03	08 Aug 2019	Wind Speed (kts)	1
F03	08 Aug 2019	Wind Dir	E
F03	08 Aug 2019	Water Color	Green
F03	08 Aug 2019	Wave Ht Low (ft)	4
F03	08 Aug 2019	Wave Period (sec)	13
F03	08 Aug 2019	Sea State	Calm
F03	08 Aug 2019	High Tide (ft)	6.33
F03	08 Aug 2019	High Tide Time	2106
F03	08 Aug 2019	Low Tide (ft)	-0.71

Station	Date	Parameter	Value
F03	08 Aug 2019	Low Tide Time	405
F03	08 Aug 2019	Comments	none
F04	08 Aug 2019	Depth (m)	60
F04	08 Aug 2019	Arrive Time	1151
F04	08 Aug 2019	Depart Time	1154
F04	08 Aug 2019	Air Temp (C)	19
F04	08 Aug 2019	Weather	Partly Cloudy
F04	08 Aug 2019	Visibility (mi)	9
F04	08 Aug 2019	Wind Speed (kts)	6
F04	08 Aug 2019	Wind Dir	S
F04	08 Aug 2019	Water Color	Green
F04	08 Aug 2019	Wave Ht Low (ft)	4
F04	08 Aug 2019	Wave Period (sec)	13
F04	08 Aug 2019	Sea State	Calm
F04	08 Aug 2019	High Tide (ft)	6.33
F04	08 Aug 2019	High Tide Time	2106
F04	08 Aug 2019	Low Tide (ft)	-0.71
F04	08 Aug 2019	Low Tide Time	405
F04	08 Aug 2019	Comments	none
F05	08 Aug 2019	Depth (m)	61
F05	08 Aug 2019	Arrive Time	1136
F05	08 Aug 2019	Depart Time	1140
F05	08 Aug 2019	Air Temp (C)	19
F05	08 Aug 2019	Weather	Partly Cloudy
F05	08 Aug 2019	Visibility (mi)	9
F05	08 Aug 2019	Wind Speed (kts)	4
F05	08 Aug 2019	Wind Dir	SW
F05	08 Aug 2019	Water Color	Green
F05	08 Aug 2019	Wave Ht Low (ft)	4
F05	08 Aug 2019	Wave Period (sec)	13
F05	08 Aug 2019	Sea State	Calm
F05	08 Aug 2019	High Tide (ft)	6.33
F05	08 Aug 2019	High Tide Time	2106
F05	08 Aug 2019	Low Tide (ft)	-0.71
F05	08 Aug 2019	Low Tide Time	405
F05	08 Aug 2019	Comments	none
F06	08 Aug 2019	Depth (m)	60
F06	08 Aug 2019	Arrive Time	1119
F06	08 Aug 2019	Depart Time	1123
F06	08 Aug 2019	Air Temp (C)	19
F06	08 Aug 2019	Weather	Partly Cloudy
F06	08 Aug 2019	Visibility (mi)	9
F06	08 Aug 2019	Wind Speed (kts)	6
F06	08 Aug 2019	Wind Dir	S
F06	08 Aug 2019	Water Color	Green
F06	08 Aug 2019	Wave Ht Low (ft)	4
F06	08 Aug 2019	Wave Period (sec)	13
F06	08 Aug 2019	Sea State	Calm
F06	08 Aug 2019	High Tide (ft)	6.33
F06	08 Aug 2019	High Tide Time	2106
F06	08 Aug 2019	Low Tide (ft)	-0.71
F06	08 Aug 2019	Low Tide Time	405

Station	Date	Parameter	Value
F06	08 Aug 2019	Comments	none
F07	08 Aug 2019	Depth (m)	60
F07	08 Aug 2019	Arrive Time	1103
F07	08 Aug 2019	Depart Time	1106
F07	08 Aug 2019	Air Temp (C)	19
F07	08 Aug 2019	Weather	Partly Cloudy
F07	08 Aug 2019	Visibility (mi)	9
F07	08 Aug 2019	Wind Speed (kts)	4
F07	08 Aug 2019	Wind Dir	SW
F07	08 Aug 2019	Water Color	Green
F07	08 Aug 2019	Wave Ht Low (ft)	4
F07	08 Aug 2019	Wave Period (sec)	13
F07	08 Aug 2019	Sea State	Calm
F07	08 Aug 2019	High Tide (ft)	6.33
F07	08 Aug 2019	High Tide Time	2106
F07	08 Aug 2019	Low Tide (ft)	-0.71
F07	08 Aug 2019	Low Tide Time	405
F07	08 Aug 2019	Comments	none
F08	08 Aug 2019	Depth (m)	62
F08	08 Aug 2019	Arrive Time	1042
F08	08 Aug 2019	Depart Time	1047
F08	08 Aug 2019	Air Temp (C)	19
F08	08 Aug 2019	Weather	Partly Cloudy
F08	08 Aug 2019	Visibility (mi)	9
F08	08 Aug 2019	Wind Speed (kts)	3
F08	08 Aug 2019	Wind Dir	S
F08	08 Aug 2019	Water Color	Green
F08	08 Aug 2019	Wave Ht Low (ft)	4
F08	08 Aug 2019	Wave Period (sec)	13
F08	08 Aug 2019	Sea State	Calm
F08	08 Aug 2019	High Tide (ft)	6.33
F08	08 Aug 2019	High Tide Time	2106
F08	08 Aug 2019	Low Tide (ft)	-0.71
F08	08 Aug 2019	Low Tide Time	405
F08	08 Aug 2019	Comments	none
F09	08 Aug 2019	Depth (m)	60
F09	08 Aug 2019	Arrive Time	1029
F09	08 Aug 2019	Depart Time	1032
F09	08 Aug 2019	Air Temp (C)	19
F09	08 Aug 2019	Weather	Cloudy
F09	08 Aug 2019	Visibility (mi)	6
F09	08 Aug 2019	Wind Speed (kts)	3
F09	08 Aug 2019	Wind Dir	SE
F09	08 Aug 2019	Water Color	Green
F09	08 Aug 2019	Wave Ht Low (ft)	4
F09	08 Aug 2019	Wave Period (sec)	13
F09	08 Aug 2019	Sea State	Calm
F09	08 Aug 2019	High Tide (ft)	6.33
F09	08 Aug 2019	High Tide Time	2106
F09	08 Aug 2019	Low Tide (ft)	-0.71
F09	08 Aug 2019	Low Tide Time	405
F09	08 Aug 2019	Comments	none

Station	Date	Parameter	Value
F10	08 Aug 2019	Depth (m)	62
F10	08 Aug 2019	Arrive Time	1005
F10	08 Aug 2019	Depart Time	1010
F10	08 Aug 2019	Air Temp (C)	19
F10	08 Aug 2019	Weather	Cloudy
F10	08 Aug 2019	Visibility (mi)	6
F10	08 Aug 2019	Wind Speed (kts)	1
F10	08 Aug 2019	Wind Dir	S
F10	08 Aug 2019	Water Color	Green
F10	08 Aug 2019	Wave Ht Low (ft)	4
F10	08 Aug 2019	Wave Period (sec)	13
F10	08 Aug 2019	Sea State	Calm
F10	08 Aug 2019	High Tide (ft)	6.33
F10	08 Aug 2019	High Tide Time	2106
F10	08 Aug 2019	Low Tide (ft)	-0.71
F10	08 Aug 2019	Low Tide Time	405
F10	08 Aug 2019	Comments	Kelp debris
F11	08 Aug 2019	Depth (m)	60
F11	08 Aug 2019	Arrive Time	949
F11	08 Aug 2019	Depart Time	953
F11	08 Aug 2019	Air Temp (C)	19
F11	08 Aug 2019	Weather	Cloudy
F11	08 Aug 2019	Visibility (mi)	6
F11	08 Aug 2019	Wind Speed (kts)	2
F11	08 Aug 2019	Wind Dir	W
F11	08 Aug 2019	Water Color	Green
F11	08 Aug 2019	Wave Ht Low (ft)	4
F11	08 Aug 2019	Wave Period (sec)	13
F11	08 Aug 2019	Sea State	Calm
F11	08 Aug 2019	High Tide (ft)	6.33
F11	08 Aug 2019	High Tide Time	2106
F11	08 Aug 2019	Low Tide (ft)	-0.71
F11	08 Aug 2019	Low Tide Time	405
F11	08 Aug 2019	Comments	none
F12	08 Aug 2019	Depth (m)	62
F12	08 Aug 2019	Arrive Time	931
F12	08 Aug 2019	Depart Time	935
F12	08 Aug 2019	Air Temp (C)	20
F12	08 Aug 2019	Weather	Cloudy
F12	08 Aug 2019	Visibility (mi)	6
F12	08 Aug 2019	Wind Speed (kts)	1
F12	08 Aug 2019	Wind Dir	SW
F12	08 Aug 2019	Water Color	Green
F12	08 Aug 2019	Wave Ht Low (ft)	4
F12	08 Aug 2019	Wave Period (sec)	13
F12	08 Aug 2019	Sea State	Calm
F12	08 Aug 2019	High Tide (ft)	6.33
F12	08 Aug 2019	High Tide Time	2106
F12	08 Aug 2019	Low Tide (ft)	-0.71
F12	08 Aug 2019	Low Tide Time	405
F12	08 Aug 2019	Comments	none

Station	Date	Parameter	Value
F13	08 Aug 2019	Depth (m)	60
F13	08 Aug 2019	Arrive Time	912
F13	08 Aug 2019	Depart Time	916
F13	08 Aug 2019	Air Temp (C)	19
F13	08 Aug 2019	Weather	Cloudy
F13	08 Aug 2019	Visibility (mi)	6
F13	08 Aug 2019	Wind Speed (kts)	2
F13	08 Aug 2019	Wind Dir	S
F13	08 Aug 2019	Water Color	Green
F13	08 Aug 2019	Wave Ht Low (ft)	4
F13	08 Aug 2019	Wave Period (sec)	13
F13	08 Aug 2019	Sea State	Calm
F13	08 Aug 2019	High Tide (ft)	6.33
F13	08 Aug 2019	High Tide Time	2106
F13	08 Aug 2019	Low Tide (ft)	-0.71
F13	08 Aug 2019	Low Tide Time	405
F13	08 Aug 2019	Comments	
F14	08 Aug 2019	Depth (m)	60
F14	08 Aug 2019	Arrive Time	857
F14	08 Aug 2019	Depart Time	901
F14	08 Aug 2019	Air Temp (C)	19
F14	08 Aug 2019	Weather	Cloudy
F14	08 Aug 2019	Visibility (mi)	5
F14	08 Aug 2019	Wind Speed (kts)	1
F14	08 Aug 2019	Wind Dir	W
F14	08 Aug 2019	Water Color	Green
F14	08 Aug 2019	Wave Ht Low (ft)	4
F14	08 Aug 2019	Wave Period (sec)	13
F14	08 Aug 2019	Sea State	Calm
F14	08 Aug 2019	High Tide (ft)	6.33
F14	08 Aug 2019	High Tide Time	2106
F14	08 Aug 2019	Low Tide (ft)	-0.71
F14	08 Aug 2019	Low Tide Time	405
F14	08 Aug 2019	Comments	none
F15	09 Aug 2019	Depth (m)	82
F15	09 Aug 2019	Arrive Time	1138
F15	09 Aug 2019	Depart Time	1153
F15	09 Aug 2019	Air Temp (C)	20
F15	09 Aug 2019	Weather	Clear
F15	09 Aug 2019	Visibility (mi)	10
F15	09 Aug 2019	Wind Speed (kts)	7
F15	09 Aug 2019	Wind Dir	SE
F15	09 Aug 2019	Water Color	Bluish-Green
F15	09 Aug 2019	Wave Ht Low (ft)	4
F15	09 Aug 2019	Wave Period (sec)	13
F15	09 Aug 2019	Sea State	Calm
F15	09 Aug 2019	High Tide (ft)	6.33
F15	09 Aug 2019	High Tide Time	2106
F15	09 Aug 2019	Low Tide (ft)	-0.71
F15	09 Aug 2019	Low Tide Time	405
F15	09 Aug 2019	Comments	
F16	09 Aug 2019	Depth (m)	82

Station	Date	Parameter	Value
F16	09 Aug 2019	Arrive Time	1120
F16	09 Aug 2019	Depart Time	1128
F16	09 Aug 2019	Air Temp (C)	19
F16	09 Aug 2019	Weather	Clear
F16	09 Aug 2019	Visibility (mi)	10
F16	09 Aug 2019	Wind Speed (kts)	2
F16	09 Aug 2019	Wind Dir	S
F16	09 Aug 2019	Water Color	Bluish-Green
F16	09 Aug 2019	Wave Ht Low (ft)	4
F16	09 Aug 2019	Wave Period (sec)	13
F16	09 Aug 2019	Sea State	Calm
F16	09 Aug 2019	High Tide (ft)	6.33
F16	09 Aug 2019	High Tide Time	2106
F16	09 Aug 2019	Low Tide (ft)	-0.71
F16	09 Aug 2019	Low Tide Time	405
F16	09 Aug 2019	Comments	none
F17	09 Aug 2019	Depth (m)	82
F17	09 Aug 2019	Arrive Time	1106
F17	09 Aug 2019	Depart Time	1114
F17	09 Aug 2019	Air Temp (C)	19
F17	09 Aug 2019	Weather	Partly Cloudy
F17	09 Aug 2019	Visibility (mi)	10
F17	09 Aug 2019	Wind Speed (kts)	4
F17	09 Aug 2019	Wind Dir	E
F17	09 Aug 2019	Water Color	Bluish-Green
F17	09 Aug 2019	Wave Ht Low (ft)	4
F17	09 Aug 2019	Wave Period (sec)	13
F17	09 Aug 2019	Sea State	Calm
F17	09 Aug 2019	High Tide (ft)	6.33
F17	09 Aug 2019	High Tide Time	2106
F17	09 Aug 2019	Low Tide (ft)	-0.71
F17	09 Aug 2019	Low Tide Time	405
F17	09 Aug 2019	Comments	none
F18	09 Aug 2019	Depth (m)	83
F18	09 Aug 2019	Arrive Time	1049
F18	09 Aug 2019	Depart Time	1057
F18	09 Aug 2019	Air Temp (C)	19
F18	09 Aug 2019	Weather	Partly Cloudy
F18	09 Aug 2019	Visibility (mi)	9
F18	09 Aug 2019	Wind Speed (kts)	1
F18	09 Aug 2019	Wind Dir	SW
F18	09 Aug 2019	Water Color	Bluish-Green
F18	09 Aug 2019	Wave Ht Low (ft)	4
F18	09 Aug 2019	Wave Period (sec)	13
F18	09 Aug 2019	Sea State	Wind ripples
F18	09 Aug 2019	High Tide (ft)	6.33
F18	09 Aug 2019	High Tide Time	2106
F18	09 Aug 2019	Low Tide (ft)	-0.71
F18	09 Aug 2019	Low Tide Time	405
F18	09 Aug 2019	Comments	none
F19	09 Aug 2019	Depth (m)	83
F19	09 Aug 2019	Arrive Time	1034

Station	Date	Parameter	Value
F19	09 Aug 2019	Depart Time	1042
F19	09 Aug 2019	Air Temp (C)	18
F19	09 Aug 2019	Weather	Partly Cloudy
F19	09 Aug 2019	Visibility (mi)	9
F19	09 Aug 2019	Wind Speed (kts)	3
F19	09 Aug 2019	Wind Dir	S
F19	09 Aug 2019	Water Color	Bluish-Green
F19	09 Aug 2019	Wave Ht Low (ft)	4
F19	09 Aug 2019	Wave Period (sec)	13
F19	09 Aug 2019	Sea State	Wind ripples
F19	09 Aug 2019	High Tide (ft)	6.33
F19	09 Aug 2019	High Tide Time	2106
F19	09 Aug 2019	Low Tide (ft)	-0.71
F19	09 Aug 2019	Low Tide Time	405
F19	09 Aug 2019	Comments	none
F20	09 Aug 2019	Depth (m)	82
F20	09 Aug 2019	Arrive Time	1020
F20	09 Aug 2019	Depart Time	1027
F20	09 Aug 2019	Air Temp (C)	18
F20	09 Aug 2019	Weather	Partly Cloudy
F20	09 Aug 2019	Visibility (mi)	8
F20	09 Aug 2019	Wind Speed (kts)	4
F20	09 Aug 2019	Wind Dir	SE
F20	09 Aug 2019	Water Color	Bluish-Green
F20	09 Aug 2019	Wave Ht Low (ft)	4
F20	09 Aug 2019	Wave Period (sec)	13
F20	09 Aug 2019	Sea State	Calm
F20	09 Aug 2019	High Tide (ft)	6.33
F20	09 Aug 2019	High Tide Time	2106
F20	09 Aug 2019	Low Tide (ft)	-0.71
F20	09 Aug 2019	Low Tide Time	405
F20	09 Aug 2019	Comments	none
F21	09 Aug 2019	Depth (m)	83
F21	09 Aug 2019	Arrive Time	957
F21	09 Aug 2019	Depart Time	1012
F21	09 Aug 2019	Air Temp (C)	18
F21	09 Aug 2019	Weather	Partly Cloudy
F21	09 Aug 2019	Visibility (mi)	8
F21	09 Aug 2019	Wind Speed (kts)	8
F21	09 Aug 2019	Wind Dir	E
F21	09 Aug 2019	Water Color	Bluish-Green
F21	09 Aug 2019	Wave Ht Low (ft)	4
F21	09 Aug 2019	Wave Period (sec)	13
F21	09 Aug 2019	Sea State	Calm
F21	09 Aug 2019	High Tide (ft)	6.33
F21	09 Aug 2019	High Tide Time	2106
F21	09 Aug 2019	Low Tide (ft)	-0.71
F21	09 Aug 2019	Low Tide Time	405
F21	09 Aug 2019	Comments	none
F22	09 Aug 2019	Depth (m)	82
F22	09 Aug 2019	Arrive Time	939
F22	09 Aug 2019	Depart Time	948

Station	Date	Parameter	Value
F22	09 Aug 2019	Air Temp (C)	18
F22	09 Aug 2019	Weather	Overcast
F22	09 Aug 2019	Visibility (mi)	5
F22	09 Aug 2019	Wind Speed (kts)	10
F22	09 Aug 2019	Wind Dir	SE
F22	09 Aug 2019	Water Color	Bluish-Green
F22	09 Aug 2019	Wave Ht Low (ft)	4
F22	09 Aug 2019	Wave Period (sec)	13
F22	09 Aug 2019	Sea State	Calm
F22	09 Aug 2019	High Tide (ft)	6.33
F22	09 Aug 2019	High Tide Time	2106
F22	09 Aug 2019	Low Tide (ft)	-0.71
F22	09 Aug 2019	Low Tide Time	405
F22	09 Aug 2019	Comments	none
F24	09 Aug 2019	Depth (m)	81
F24	09 Aug 2019	Arrive Time	906
F24	09 Aug 2019	Depart Time	916
F24	09 Aug 2019	Air Temp (C)	18
F24	09 Aug 2019	Weather	Overcast
F24	09 Aug 2019	Visibility (mi)	5
F24	09 Aug 2019	Wind Speed (kts)	8
F24	09 Aug 2019	Wind Dir	E
F24	09 Aug 2019	Water Color	Bluish-Green
F24	09 Aug 2019	Wave Ht Low (ft)	4
F24	09 Aug 2019	Wave Period (sec)	13
F24	09 Aug 2019	Sea State	Calm
F24	09 Aug 2019	High Tide (ft)	6.33
F24	09 Aug 2019	High Tide Time	2106
F24	09 Aug 2019	Low Tide (ft)	-0.71
F24	09 Aug 2019	Low Tide Time	405
F24	09 Aug 2019	Comments	none
F25	09 Aug 2019	Depth (m)	80
F25	09 Aug 2019	Arrive Time	847
F25	09 Aug 2019	Depart Time	901
F25	09 Aug 2019	Air Temp (C)	18
F25	09 Aug 2019	Weather	Overcast
F25	09 Aug 2019	Visibility (mi)	5
F25	09 Aug 2019	Wind Speed (kts)	6
F25	09 Aug 2019	Wind Dir	NE
F25	09 Aug 2019	Water Color	Bluish-Green
F25	09 Aug 2019	Wave Ht Low (ft)	4
F25	09 Aug 2019	Wave Period (sec)	13
F25	09 Aug 2019	Sea State	Wind ripples
F25	09 Aug 2019	High Tide (ft)	6.33
F25	09 Aug 2019	High Tide Time	2106
F25	09 Aug 2019	Low Tide (ft)	-0.71
F25	09 Aug 2019	Low Tide Time	405
F25	09 Aug 2019	Comments	none
F26	07 Aug 2019	Depth (m)	99
F26	07 Aug 2019	Arrive Time	1122
F26	07 Aug 2019	Depart Time	1131
F26	07 Aug 2019	Air Temp (C)	20

Station	Date	Parameter	Value
F26	07 Aug 2019	Weather	Cloudy
F26	07 Aug 2019	Visibility (mi)	6
F26	07 Aug 2019	Wind Speed (kts)	2
F26	07 Aug 2019	Wind Dir	W
F26	07 Aug 2019	Water Color	Green
F26	07 Aug 2019	Wave Ht Low (ft)	5
F26	07 Aug 2019	Wave Period (sec)	13
F26	07 Aug 2019	Sea State	Calm
F26	07 Aug 2019	High Tide (ft)	6.33
F26	07 Aug 2019	High Tide Time	2106
F26	07 Aug 2019	Low Tide (ft)	-0.71
F26	07 Aug 2019	Low Tide Time	405
F26	07 Aug 2019	Comments	none
F27	07 Aug 2019	Depth (m)	99
F27	07 Aug 2019	Arrive Time	1106
F27	07 Aug 2019	Depart Time	1115
F27	07 Aug 2019	Air Temp (C)	20
F27	07 Aug 2019	Weather	Cloudy
F27	07 Aug 2019	Visibility (mi)	6
F27	07 Aug 2019	Wind Speed (kts)	7
F27	07 Aug 2019	Wind Dir	NW
F27	07 Aug 2019	Water Color	Green
F27	07 Aug 2019	Wave Ht Low (ft)	5
F27	07 Aug 2019	Wave Period (sec)	13
F27	07 Aug 2019	Sea State	Calm
F27	07 Aug 2019	High Tide (ft)	6.33
F27	07 Aug 2019	High Tide Time	2106
F27	07 Aug 2019	Low Tide (ft)	-0.71
F27	07 Aug 2019	Low Tide Time	405
F27	07 Aug 2019	Comments	none
F28	07 Aug 2019	Depth (m)	99
F28	07 Aug 2019	Arrive Time	1053
F28	07 Aug 2019	Depart Time	1101
F28	07 Aug 2019	Air Temp (C)	20
F28	07 Aug 2019	Weather	Cloudy
F28	07 Aug 2019	Visibility (mi)	6
F28	07 Aug 2019	Wind Speed (kts)	4
F28	07 Aug 2019	Wind Dir	N
F28	07 Aug 2019	Water Color	Green
F28	07 Aug 2019	Wave Ht Low (ft)	5
F28	07 Aug 2019	Wave Period (sec)	13
F28	07 Aug 2019	Sea State	Calm
F28	07 Aug 2019	High Tide (ft)	6.33
F28	07 Aug 2019	High Tide Time	2106
F28	07 Aug 2019	Low Tide (ft)	-0.71
F28	07 Aug 2019	Low Tide Time	405
F28	07 Aug 2019	Comments	none
F29	07 Aug 2019	Depth (m)	100
F29	07 Aug 2019	Arrive Time	1037
F29	07 Aug 2019	Depart Time	1046
F29	07 Aug 2019	Air Temp (C)	20
F29	07 Aug 2019	Weather	Cloudy

Station	Date	Parameter	Value
F29	07 Aug 2019	Visibility (mi)	6
F29	07 Aug 2019	Wind Speed (kts)	2
F29	07 Aug 2019	Wind Dir	NW
F29	07 Aug 2019	Water Color	Green
F29	07 Aug 2019	Wave Ht Low (ft)	5
F29	07 Aug 2019	Wave Period (sec)	13
F29	07 Aug 2019	Sea State	Calm
F29	07 Aug 2019	High Tide (ft)	6.33
F29	07 Aug 2019	High Tide Time	2106
F29	07 Aug 2019	Low Tide (ft)	-0.71
F29	07 Aug 2019	Low Tide Time	405
F29	07 Aug 2019	Comments	none
F30	07 Aug 2019	Depth (m)	100
F30	07 Aug 2019	Arrive Time	1019
F30	07 Aug 2019	Depart Time	1029
F30	07 Aug 2019	Air Temp (C)	19
F30	07 Aug 2019	Weather	Cloudy
F30	07 Aug 2019	Visibility (mi)	6
F30	07 Aug 2019	Wind Speed (kts)	3
F30	07 Aug 2019	Wind Dir	E
F30	07 Aug 2019	Water Color	Green
F30	07 Aug 2019	Wave Ht Low (ft)	5
F30	07 Aug 2019	Wave Period (sec)	13
F30	07 Aug 2019	Sea State	Calm
F30	07 Aug 2019	High Tide (ft)	6.33
F30	07 Aug 2019	High Tide Time	2106
F30	07 Aug 2019	Low Tide (ft)	-0.71
F30	07 Aug 2019	Low Tide Time	405
F30	07 Aug 2019	Comments	none
F31	07 Aug 2019	Depth (m)	100
F31	07 Aug 2019	Arrive Time	1004
F31	07 Aug 2019	Depart Time	1011
F31	07 Aug 2019	Air Temp (C)	19
F31	07 Aug 2019	Weather	Cloudy
F31	07 Aug 2019	Visibility (mi)	6
F31	07 Aug 2019	Wind Speed (kts)	3
F31	07 Aug 2019	Wind Dir	NE
F31	07 Aug 2019	Water Color	Green
F31	07 Aug 2019	Wave Ht Low (ft)	5
F31	07 Aug 2019	Wave Period (sec)	13
F31	07 Aug 2019	Sea State	Calm
F31	07 Aug 2019	High Tide (ft)	6.33
F31	07 Aug 2019	High Tide Time	2106
F31	07 Aug 2019	Low Tide (ft)	-0.71
F31	07 Aug 2019	Low Tide Time	405
F31	07 Aug 2019	Comments	none
F32	07 Aug 2019	Depth (m)	100
F32	07 Aug 2019	Arrive Time	949
F32	07 Aug 2019	Depart Time	956
F32	07 Aug 2019	Air Temp (C)	19
F32	07 Aug 2019	Weather	Cloudy
F32	07 Aug 2019	Visibility (mi)	6

Station	Date	Parameter	Value
F32	07 Aug 2019	Wind Speed (kts)	2
F32	07 Aug 2019	Wind Dir	SE
F32	07 Aug 2019	Water Color	Green
F32	07 Aug 2019	Wave Ht Low (ft)	5
F32	07 Aug 2019	Wave Period (sec)	13
F32	07 Aug 2019	Sea State	Calm
F32	07 Aug 2019	High Tide (ft)	6.33
F32	07 Aug 2019	High Tide Time	2106
F32	07 Aug 2019	Low Tide (ft)	-0.71
F32	07 Aug 2019	Low Tide Time	405
F32	07 Aug 2019	Comments	none
F33	07 Aug 2019	Depth (m)	100
F33	07 Aug 2019	Arrive Time	935
F33	07 Aug 2019	Depart Time	943
F33	07 Aug 2019	Air Temp (C)	19
F33	07 Aug 2019	Weather	Cloudy
F33	07 Aug 2019	Visibility (mi)	6
F33	07 Aug 2019	Wind Speed (kts)	2
F33	07 Aug 2019	Wind Dir	SE
F33	07 Aug 2019	Water Color	Green
F33	07 Aug 2019	Wave Ht Low (ft)	5
F33	07 Aug 2019	Wave Period (sec)	13
F33	07 Aug 2019	Sea State	Calm
F33	07 Aug 2019	High Tide (ft)	6.33
F33	07 Aug 2019	High Tide Time	2106
F33	07 Aug 2019	Low Tide (ft)	-0.71
F33	07 Aug 2019	Low Tide Time	405
F33	07 Aug 2019	Comments	none
F34	07 Aug 2019	Depth (m)	99
F34	07 Aug 2019	Arrive Time	917
F34	07 Aug 2019	Depart Time	926
F34	07 Aug 2019	Air Temp (C)	20
F34	07 Aug 2019	Weather	Cloudy
F34	07 Aug 2019	Visibility (mi)	6
F34	07 Aug 2019	Wind Speed (kts)	3
F34	07 Aug 2019	Wind Dir	S
F34	07 Aug 2019	Water Color	Green
F34	07 Aug 2019	Wave Ht Low (ft)	5
F34	07 Aug 2019	Wave Period (sec)	13
F34	07 Aug 2019	Sea State	Calm
F34	07 Aug 2019	High Tide (ft)	6.33
F34	07 Aug 2019	High Tide Time	2106
F34	07 Aug 2019	Low Tide (ft)	-0.71
F34	07 Aug 2019	Low Tide Time	405
F34	07 Aug 2019	Comments	none
F35	07 Aug 2019	Depth (m)	100
F35	07 Aug 2019	Arrive Time	858
F35	07 Aug 2019	Depart Time	917
F35	07 Aug 2019	Air Temp (C)	20
F35	07 Aug 2019	Weather	Cloudy
F35	07 Aug 2019	Visibility (mi)	6
F35	07 Aug 2019	Wind Speed (kts)	3

Station	Date	Parameter	Value
F35	07 Aug 2019	Wind Dir	W
F35	07 Aug 2019	Water Color	Green
F35	07 Aug 2019	Wave Ht Low (ft)	5
F35	07 Aug 2019	Wave Period (sec)	13
F35	07 Aug 2019	Sea State	Calm
F35	07 Aug 2019	High Tide (ft)	6.33
F35	07 Aug 2019	High Tide Time	2106
F35	07 Aug 2019	Low Tide (ft)	-0.71
F35	07 Aug 2019	Low Tide Time	405
F35	07 Aug 2019	Comments	
F36	07 Aug 2019	Depth (m)	101
F36	07 Aug 2019	Arrive Time	837
F36	07 Aug 2019	Depart Time	850
F36	07 Aug 2019	Air Temp (C)	19
F36	07 Aug 2019	Weather	Cloudy
F36	07 Aug 2019	Visibility (mi)	6
F36	07 Aug 2019	Wind Speed (kts)	0
F36	07 Aug 2019	Wind Dir	
F36	07 Aug 2019	Water Color	Green
F36	07 Aug 2019	Wave Ht Low (ft)	5
F36	07 Aug 2019	Wave Period (sec)	13
F36	07 Aug 2019	Sea State	Calm
F36	07 Aug 2019	High Tide (ft)	6.33
F36	07 Aug 2019	High Tide Time	2106
F36	07 Aug 2019	Low Tide (ft)	-0.71
F36	07 Aug 2019	Low Tide Time	405
F36	07 Aug 2019	Comments	none

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 (σ -t)	Chlor (μ g/L)
F01	08 Aug 2019	1	18.90	77.47	9.2	33.64	8.2	24.0	0.62
F01	08 Aug 2019	2	17.98	76.81	9.1	33.68	8.2	24.3	0.67
F01	08 Aug 2019	3	17.71	75.92	9.0	33.64	8.2	24.3	0.76
F01	08 Aug 2019	4	17.09	75.24	9.0	33.63	8.2	24.4	0.91
F01	08 Aug 2019	5	16.31	74.37	8.8	33.68	8.2	24.7	1.12
F01	08 Aug 2019	6	15.92	75.41	8.9	33.59	8.2	24.7	1.42
F01	08 Aug 2019	7	14.93	75.42	8.8	33.60	8.2	24.9	1.98
F01	08 Aug 2019	8	14.86	74.89	8.8	33.58	8.2	24.9	2.64
F01	08 Aug 2019	9	14.67	74.39	8.7	33.59	8.2	25.0	3.61
F01	08 Aug 2019	10	14.45	74.26	8.5	33.58	8.2	25.0	4.48
F01	08 Aug 2019	11	14.44	74.66	8.5	33.58	8.2	25.0	4.86
F01	08 Aug 2019	12	14.32	74.72	8.4	33.59	8.2	25.0	5.11
F01	08 Aug 2019	13	14.19	75.96	8.2	33.59	8.2	25.1	4.84
F01	08 Aug 2019	14	14.08	76.35	8.0	33.58	8.2	25.1	4.75
F01	08 Aug 2019	15	13.89	76.54	7.6	33.60	8.2	25.1	4.94
F01	08 Aug 2019	16	13.39	75.67	6.7	33.62	8.2	25.2	5.56
F01	08 Aug 2019	17	12.61	76.10	5.8	33.61	8.2	25.4	5.37
F01	08 Aug 2019	18	12.63	78.79	5.6	33.59	8.1	25.4	4.65
F01	08 Aug 2019	19	12.62	80.04	5.4	33.59	8.1	25.4	2.88
F02	08 Aug 2019	1	18.51	71.43	9.7	33.67	8.2	24.1	4.08
F02	08 Aug 2019	2	17.62	64.42	9.7	33.70	8.2	24.4	8.11
F02	08 Aug 2019	3	17.01	62.22	9.8	33.65	8.2	24.5	11.58
F02	08 Aug 2019	4	16.90	61.28	9.8	33.63	8.2	24.5	12.90
F02	08 Aug 2019	5	16.12	63.93	10.4	33.66	8.2	24.7	11.15
F02	08 Aug 2019	6	15.70	64.59	10.5	33.61	8.2	24.7	9.77
F02	08 Aug 2019	7	15.28	65.54	9.9	33.62	8.2	24.8	9.13
F02	08 Aug 2019	8	14.96	66.60	9.1	33.61	8.2	24.9	8.67
F02	08 Aug 2019	9	14.36	69.12	8.1	33.63	8.2	25.1	8.20
F02	08 Aug 2019	10	13.78	70.81	7.3	33.61	8.2	25.2	7.59
F02	08 Aug 2019	11	13.71	70.60	7.0	33.60	8.2	25.2	7.72
F02	08 Aug 2019	12	13.44	70.23	6.6	33.60	8.2	25.2	8.31
F02	08 Aug 2019	13	13.19	70.74	6.3	33.60	8.2	25.3	8.54
F02	08 Aug 2019	14	12.98	69.35	6.0	33.61	8.2	25.3	9.82
F02	08 Aug 2019	15	12.79	69.81	5.8	33.60	8.2	25.4	8.55
F02	08 Aug 2019	16	12.65	73.92	5.6	33.61	8.1	25.4	7.32
F02	08 Aug 2019	17	12.50	75.03	5.4	33.61	8.1	25.4	6.65
F02	08 Aug 2019	18	12.44	76.88	5.3	33.61	8.1	25.4	5.43
F02	08 Aug 2019	19	12.44	79.53	5.3	33.61	8.1	25.4	2.82
F03	08 Aug 2019	1	18.90	70.54	10.4	33.67	8.3	24.0	3.20
F03	08 Aug 2019	2	18.77	70.56	10.6	33.67	8.3	24.1	3.81
F03	08 Aug 2019	3	18.31	69.47	10.8	33.67	8.3	24.2	5.20
F03	08 Aug 2019	4	16.90	68.87	11.1	33.63	8.3	24.5	7.48
F03	08 Aug 2019	5	16.47	67.01	11.0	33.65	8.3	24.6	8.43
F03	08 Aug 2019	6	16.02	66.32	11.0	33.60	8.3	24.7	8.64
F03	08 Aug 2019	7	15.32	68.01	10.1	33.65	8.3	24.9	8.44
F03	08 Aug 2019	8	14.69	68.06	9.5	33.60	8.3	25.0	8.44
F03	08 Aug 2019	9	14.37	68.45	8.7	33.60	8.3	25.0	8.04
F03	08 Aug 2019	10	13.79	71.50	7.7	33.62	8.3	25.2	6.81
F03	08 Aug 2019	11	13.48	76.44	7.2	33.57	8.2	25.2	5.08

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F03	08 Aug 2019	12	13.20	78.05	6.8	33.61	8.2	25.3	4.72
F03	08 Aug 2019	13	13.09	78.81	6.5	33.59	8.2	25.3	4.24
F03	08 Aug 2019	14	12.87	79.06	6.2	33.61	8.2	25.3	4.65
F03	08 Aug 2019	15	12.69	77.30	5.8	33.60	8.2	25.4	5.06
F03	08 Aug 2019	16	12.65	79.87	5.7	33.60	8.1	25.4	3.70
F03	08 Aug 2019	17	12.63	79.87	5.6	33.60	8.1	25.4	3.33
F03	08 Aug 2019	18	12.55	78.71	5.4	33.61	8.1	25.4	3.04
F03	08 Aug 2019	19	12.55	79.64	5.4	33.61	8.1	25.4	2.56
F04	08 Aug 2019	1	20.34	72.78	9.8	33.69	8.3	23.7	0.86
F04	08 Aug 2019	2	20.08	73.15	10.0	33.69	8.3	23.7	0.86
F04	08 Aug 2019	3	19.41	74.39	10.2	33.69	8.3	23.9	0.91
F04	08 Aug 2019	4	15.97	73.10	9.5	33.76	8.3	24.8	1.37
F04	08 Aug 2019	5	14.76	75.90	8.7	33.58	8.3	24.9	1.63
F04	08 Aug 2019	6	13.80	78.99	8.0	33.56	8.3	25.1	1.60
F04	08 Aug 2019	7	13.37	80.87	7.5	33.55	8.3	25.2	1.59
F04	08 Aug 2019	8	12.97	81.61	7.5	33.53	8.3	25.3	1.87
F04	08 Aug 2019	9	12.91	77.63	7.3	33.53	8.2	25.3	2.42
F04	08 Aug 2019	10	12.77	85.11	7.1	33.54	8.2	25.3	1.71
F04	08 Aug 2019	11	12.59	85.61	6.9	33.56	8.2	25.4	1.24
F04	08 Aug 2019	12	12.40	86.57	6.7	33.57	8.2	25.4	1.07
F04	08 Aug 2019	13	12.30	86.85	6.5	33.60	8.2	25.4	0.97
F04	08 Aug 2019	14	12.19	86.95	6.3	33.61	8.2	25.5	0.90
F04	08 Aug 2019	15	12.09	87.38	6.2	33.63	8.2	25.5	0.87
F04	08 Aug 2019	16	11.89	87.57	5.9	33.65	8.2	25.6	0.78
F04	08 Aug 2019	17	11.80	87.64	5.8	33.66	8.1	25.6	0.71
F04	08 Aug 2019	18	11.69	87.86	5.6	33.67	8.1	25.6	0.63
F04	08 Aug 2019	19	11.68	87.85	5.5	33.67	8.1	25.6	0.61
F04	08 Aug 2019	20	11.65	87.87	5.5	33.67	8.1	25.6	0.60
F04	08 Aug 2019	21	11.65	87.86	5.5	33.67	8.1	25.6	0.60
F04	08 Aug 2019	22	11.65	87.89	5.5	33.68	8.1	25.6	0.61
F04	08 Aug 2019	23	11.62	87.81	5.4	33.68	8.1	25.6	0.62
F04	08 Aug 2019	24	11.62	87.80	5.4	33.68	8.1	25.6	0.67
F04	08 Aug 2019	25	11.63	87.87	5.4	33.68	8.1	25.6	0.64
F04	08 Aug 2019	26	11.62	87.79	5.4	33.68	8.1	25.6	0.65
F04	08 Aug 2019	27	11.62	87.87	5.4	33.68	8.1	25.6	0.65
F04	08 Aug 2019	28	11.62	87.88	5.4	33.68	8.0	25.6	0.66
F04	08 Aug 2019	29	11.62	87.84	5.4	33.68	8.0	25.6	0.66
F04	08 Aug 2019	30	11.62	87.87	5.4	33.68	8.0	25.6	0.66
F04	08 Aug 2019	31	11.62	87.86	5.4	33.68	8.0	25.6	0.67
F04	08 Aug 2019	32	11.57	87.82	5.4	33.68	8.0	25.6	0.69
F04	08 Aug 2019	33	11.57	87.86	5.3	33.68	8.0	25.6	0.68
F04	08 Aug 2019	34	11.51	87.77	5.3	33.69	8.0	25.7	0.64
F04	08 Aug 2019	35	11.47	87.76	5.2	33.69	8.0	25.7	0.62
F04	08 Aug 2019	36	11.49	87.84	5.2	33.68	8.0	25.7	0.61
F04	08 Aug 2019	37	11.45	87.83	5.2	33.68	8.0	25.7	0.61
F04	08 Aug 2019	38	11.46	87.76	5.2	33.68	8.0	25.7	0.60
F04	08 Aug 2019	39	11.45	87.79	5.2	33.68	8.0	25.7	0.60
F04	08 Aug 2019	40	11.45	87.83	5.2	33.68	8.0	25.7	0.59
F04	08 Aug 2019	41	11.45	87.82	5.2	33.68	8.0	25.7	0.59
F04	08 Aug 2019	42	11.45	87.83	5.2	33.68	8.0	25.7	0.58
F04	08 Aug 2019	43	11.45	87.84	5.2	33.68	8.0	25.7	0.58
F04	08 Aug 2019	44	11.45	87.80	5.2	33.68	8.0	25.7	0.59
F04	08 Aug 2019	45	11.44	87.73	5.2	33.68	8.0	25.7	0.59
F04	08 Aug 2019	46	11.44	87.81	5.2	33.68	8.0	25.7	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F04	08 Aug 2019	47	11.42	87.80	5.2	33.68	8.0	25.7	0.60
F04	08 Aug 2019	48	11.42	87.80	5.2	33.68	8.0	25.7	0.57
F04	08 Aug 2019	49	11.41	87.78	5.2	33.68	8.0	25.7	0.56
F04	08 Aug 2019	50	11.41	87.83	5.2	33.68	8.0	25.7	0.56
F04	08 Aug 2019	51	11.40	87.81	5.2	33.68	8.0	25.7	0.56
F04	08 Aug 2019	52	11.38	87.77	5.1	33.68	8.0	25.7	0.55
F04	08 Aug 2019	53	11.38	87.77	5.1	33.68	8.0	25.7	0.55
F04	08 Aug 2019	54	11.31	87.69	5.1	33.69	8.0	25.7	0.51
F04	08 Aug 2019	55	11.33	87.66	5.1	33.68	8.0	25.7	0.51
F04	08 Aug 2019	56	11.31	87.69	5.1	33.69	8.0	25.7	0.51
F04	08 Aug 2019	57	11.29	87.68	5.0	33.69	8.0	25.7	0.49
F04	08 Aug 2019	58	11.26	87.43	5.0	33.69	7.9	25.7	0.48
F04	08 Aug 2019	59	11.25	87.27	5.0	33.69	7.9	25.7	0.47
F04	08 Aug 2019	60	11.24	87.18	5.0	33.69	7.9	25.7	0.46
F05	08 Aug 2019	1	19.40	74.71	10.0	33.67	8.3	23.9	0.83
F05	08 Aug 2019	2	19.37	75.56	10.0	33.66	8.3	23.9	0.85
F05	08 Aug 2019	3	18.70	75.63	10.4	33.68	8.3	24.1	0.91
F05	08 Aug 2019	4	18.10	75.72	10.0	33.68	8.3	24.2	1.03
F05	08 Aug 2019	5	15.43	74.52	9.7	33.69	8.3	24.9	1.40
F05	08 Aug 2019	6	15.05	74.55	9.2	33.58	8.3	24.9	1.71
F05	08 Aug 2019	7	14.13	75.83	8.4	33.61	8.3	25.1	1.93
F05	08 Aug 2019	8	13.57	78.00	7.9	33.55	8.3	25.2	2.23
F05	08 Aug 2019	9	13.29	79.58	7.6	33.56	8.3	25.2	2.47
F05	08 Aug 2019	10	12.90	80.30	7.5	33.53	8.2	25.3	3.09
F05	08 Aug 2019	11	12.85	83.24	7.3	33.53	8.2	25.3	2.48
F05	08 Aug 2019	12	12.76	84.79	7.1	33.55	8.2	25.3	1.82
F05	08 Aug 2019	13	12.53	86.18	6.9	33.57	8.2	25.4	1.32
F05	08 Aug 2019	14	12.44	86.48	6.7	33.59	8.2	25.4	1.19
F05	08 Aug 2019	15	12.39	86.51	6.7	33.59	8.2	25.4	1.17
F05	08 Aug 2019	16	12.37	86.64	6.6	33.59	8.2	25.4	1.17
F05	08 Aug 2019	17	12.35	86.73	6.6	33.60	8.2	25.4	1.14
F05	08 Aug 2019	18	12.31	86.75	6.5	33.60	8.1	25.4	1.16
F05	08 Aug 2019	19	12.30	86.77	6.5	33.60	8.1	25.4	1.18
F05	08 Aug 2019	20	12.27	86.91	6.5	33.61	8.1	25.5	1.23
F05	08 Aug 2019	21	12.20	86.96	6.4	33.62	8.1	25.5	1.11
F05	08 Aug 2019	22	12.18	87.14	6.3	33.62	8.1	25.5	1.13
F05	08 Aug 2019	23	11.91	87.39	6.0	33.66	8.1	25.6	1.04
F05	08 Aug 2019	24	11.81	87.65	5.8	33.66	8.1	25.6	0.94
F05	08 Aug 2019	25	11.84	87.75	5.8	33.65	8.1	25.6	0.92
F05	08 Aug 2019	26	11.78	87.80	5.7	33.66	8.1	25.6	0.86
F05	08 Aug 2019	27	11.77	87.79	5.7	33.66	8.1	25.6	0.88
F05	08 Aug 2019	28	11.77	87.85	5.7	33.66	8.1	25.6	0.89
F05	08 Aug 2019	29	11.73	87.85	5.6	33.66	8.1	25.6	0.83
F05	08 Aug 2019	30	11.72	87.81	5.6	33.66	8.0	25.6	0.84
F05	08 Aug 2019	31	11.69	87.84	5.6	33.67	8.0	25.6	0.82
F05	08 Aug 2019	32	11.70	87.83	5.6	33.67	8.0	25.6	0.82
F05	08 Aug 2019	33	11.68	87.80	5.6	33.67	8.0	25.6	0.83
F05	08 Aug 2019	34	11.66	87.70	5.5	33.67	8.0	25.6	0.82
F05	08 Aug 2019	35	11.65	87.75	5.5	33.67	8.0	25.6	0.80
F05	08 Aug 2019	36	11.64	87.72	5.5	33.67	8.0	25.6	0.82
F05	08 Aug 2019	37	11.63	87.69	5.5	33.67	8.0	25.6	0.83
F05	08 Aug 2019	38	11.61	87.73	5.5	33.67	8.0	25.6	0.81
F05	08 Aug 2019	39	11.57	87.73	5.4	33.67	8.0	25.6	0.80
F05	08 Aug 2019	40	11.55	87.73	5.4	33.67	8.0	25.6	0.77

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F05	08 Aug 2019	41	11.50	87.69	5.3	33.68	8.0	25.7	0.71
F05	08 Aug 2019	42	11.47	87.59	5.3	33.68	8.0	25.7	0.68
F05	08 Aug 2019	43	11.44	87.59	5.2	33.68	8.0	25.7	0.66
F05	08 Aug 2019	44	11.44	87.68	5.2	33.68	8.0	25.7	0.63
F05	08 Aug 2019	45	11.43	87.73	5.2	33.68	8.0	25.7	0.63
F05	08 Aug 2019	46	11.43	87.76	5.2	33.68	8.0	25.7	0.64
F05	08 Aug 2019	47	11.42	87.78	5.2	33.68	8.0	25.7	0.61
F05	08 Aug 2019	48	11.38	87.82	5.2	33.68	8.0	25.7	0.59
F05	08 Aug 2019	49	11.35	87.65	5.1	33.69	8.0	25.7	0.57
F05	08 Aug 2019	50	11.34	87.74	5.1	33.69	8.0	25.7	0.54
F05	08 Aug 2019	51	11.32	87.75	5.1	33.69	8.0	25.7	0.52
F05	08 Aug 2019	52	11.31	87.77	5.1	33.69	8.0	25.7	0.51
F05	08 Aug 2019	53	11.30	87.69	5.0	33.69	8.0	25.7	0.52
F05	08 Aug 2019	54	11.29	87.43	5.0	33.69	8.0	25.7	0.52
F05	08 Aug 2019	55	11.28	87.23	5.0	33.69	8.0	25.7	0.50
F05	08 Aug 2019	56	11.28	87.22	5.0	33.69	8.0	25.7	0.49
F05	08 Aug 2019	57	11.28	87.23	5.0	33.69	8.0	25.7	0.49
F05	08 Aug 2019	58	11.28	87.13	5.0	33.69	7.9	25.7	0.49
F05	08 Aug 2019	59	11.26	87.05	5.0	33.69	7.9	25.7	0.47
F05	08 Aug 2019	60	11.16	86.88	4.9	33.70	7.9	25.7	0.46
F05	08 Aug 2019	61	11.17	85.83	4.9	33.70	7.9	25.7	0.43
F05	08 Aug 2019	62	11.15	82.89	4.8	33.70	7.9	25.7	0.42
F06	08 Aug 2019	1	18.85	74.41	10.0	33.66	8.3	24.0	0.81
F06	08 Aug 2019	2	18.57	75.53	9.5	33.66	8.3	24.1	0.83
F06	08 Aug 2019	3	16.25	76.13	8.9	33.75	8.3	24.7	0.97
F06	08 Aug 2019	4	14.48	76.86	8.7	33.58	8.3	25.0	1.34
F06	08 Aug 2019	5	14.25	76.96	8.5	33.55	8.3	25.0	1.62
F06	08 Aug 2019	6	14.09	77.23	8.4	33.54	8.3	25.0	1.81
F06	08 Aug 2019	7	13.84	77.70	8.1	33.54	8.2	25.1	2.03
F06	08 Aug 2019	8	13.50	78.29	7.9	33.55	8.2	25.2	2.30
F06	08 Aug 2019	9	13.23	79.18	7.8	33.52	8.2	25.2	2.69
F06	08 Aug 2019	10	13.20	79.33	7.6	33.55	8.2	25.2	2.97
F06	08 Aug 2019	11	12.82	82.16	7.4	33.55	8.2	25.3	2.58
F06	08 Aug 2019	12	12.73	83.86	7.3	33.55	8.2	25.3	2.12
F06	08 Aug 2019	13	12.71	84.38	7.2	33.55	8.2	25.3	1.94
F06	08 Aug 2019	14	12.70	84.81	7.2	33.55	8.2	25.3	1.80
F06	08 Aug 2019	15	12.70	85.18	7.2	33.55	8.2	25.3	1.76
F06	08 Aug 2019	16	12.68	85.31	7.1	33.56	8.2	25.3	1.68
F06	08 Aug 2019	17	12.53	85.81	7.0	33.58	8.2	25.4	1.57
F06	08 Aug 2019	18	12.57	85.91	6.9	33.57	8.2	25.4	1.55
F06	08 Aug 2019	19	12.44	85.97	6.8	33.59	8.1	25.4	1.49
F06	08 Aug 2019	20	12.40	85.96	6.7	33.59	8.1	25.4	1.52
F06	08 Aug 2019	21	12.41	86.12	6.7	33.59	8.1	25.4	1.47
F06	08 Aug 2019	22	12.35	86.27	6.7	33.60	8.1	25.4	1.50
F06	08 Aug 2019	23	12.34	86.34	6.6	33.60	8.1	25.4	1.47
F06	08 Aug 2019	24	12.21	86.58	6.5	33.61	8.1	25.5	1.41
F06	08 Aug 2019	25	12.13	86.60	6.4	33.62	8.1	25.5	1.33
F06	08 Aug 2019	26	12.02	86.88	6.3	33.62	8.1	25.5	1.32
F06	08 Aug 2019	27	11.98	87.00	6.2	33.62	8.1	25.5	1.29
F06	08 Aug 2019	28	11.98	87.05	6.2	33.62	8.1	25.5	1.29
F06	08 Aug 2019	29	11.96	86.98	6.1	33.63	8.1	25.5	1.23
F06	08 Aug 2019	30	11.92	87.06	6.1	33.63	8.1	25.5	1.23
F06	08 Aug 2019	31	11.89	87.17	6.0	33.63	8.1	25.5	1.20
F06	08 Aug 2019	32	11.87	87.20	6.0	33.63	8.1	25.6	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F06	08 Aug 2019	33	11.86	87.12	6.0	33.63	8.1	25.6	1.19
F06	08 Aug 2019	34	11.85	87.18	6.0	33.63	8.1	25.6	1.15
F06	08 Aug 2019	35	11.85	87.13	5.9	33.63	8.1	25.6	1.14
F06	08 Aug 2019	36	11.86	87.11	6.0	33.63	8.1	25.6	1.15
F06	08 Aug 2019	37	11.84	87.00	5.9	33.64	8.0	25.6	1.15
F06	08 Aug 2019	38	11.82	87.14	5.8	33.64	8.0	25.6	1.12
F06	08 Aug 2019	39	11.82	87.15	5.8	33.64	8.0	25.6	1.08
F06	08 Aug 2019	40	11.79	87.10	5.8	33.65	8.0	25.6	1.07
F06	08 Aug 2019	41	11.74	87.14	5.7	33.65	8.0	25.6	1.02
F06	08 Aug 2019	42	11.77	87.16	5.7	33.64	8.0	25.6	1.01
F06	08 Aug 2019	43	11.70	87.20	5.6	33.65	8.0	25.6	0.96
F06	08 Aug 2019	44	11.61	87.18	5.4	33.67	8.0	25.6	0.89
F06	08 Aug 2019	45	11.60	87.13	5.3	33.66	8.0	25.6	0.81
F06	08 Aug 2019	46	11.54	87.00	5.3	33.67	8.0	25.6	0.77
F06	08 Aug 2019	47	11.52	87.15	5.3	33.67	8.0	25.6	0.73
F06	08 Aug 2019	48	11.53	87.32	5.3	33.67	8.0	25.6	0.71
F06	08 Aug 2019	49	11.49	87.39	5.3	33.67	8.0	25.7	0.70
F06	08 Aug 2019	50	11.48	87.43	5.2	33.68	8.0	25.7	0.68
F06	08 Aug 2019	51	11.46	87.33	5.2	33.68	8.0	25.7	0.64
F06	08 Aug 2019	52	11.44	87.27	5.2	33.68	8.0	25.7	0.61
F06	08 Aug 2019	53	11.39	87.14	5.2	33.68	8.0	25.7	0.60
F06	08 Aug 2019	54	11.35	87.08	5.1	33.68	8.0	25.7	0.58
F06	08 Aug 2019	55	11.30	86.99	5.1	33.69	8.0	25.7	0.56
F06	08 Aug 2019	56	11.26	86.91	5.0	33.69	8.0	25.7	0.53
F06	08 Aug 2019	57	11.25	86.96	5.0	33.69	8.0	25.7	0.50
F06	08 Aug 2019	58	11.25	86.87	5.0	33.69	8.0	25.7	0.49
F06	08 Aug 2019	59	11.24	86.76	5.0	33.69	8.0	25.7	0.48
F06	08 Aug 2019	60	11.17	85.92	4.9	33.70	8.0	25.7	0.45
F06	08 Aug 2019	61	11.16	84.35	4.8	33.70	8.0	25.7	0.43
F06	08 Aug 2019	62	11.16	83.91	4.8	33.70	7.9	25.7	0.42
F07	08 Aug 2019	1	17.88	75.88	9.7	33.70	8.3	24.3	0.88
F07	08 Aug 2019	2	17.28	75.95	9.7	33.68	8.3	24.4	0.95
F07	08 Aug 2019	3	16.84	75.78	9.7	33.65	8.3	24.5	1.07
F07	08 Aug 2019	4	16.47	75.56	9.8	33.64	8.3	24.6	1.19
F07	08 Aug 2019	5	16.30	75.38	9.8	33.63	8.3	24.6	1.31
F07	08 Aug 2019	6	16.02	75.14	9.6	33.65	8.3	24.7	1.47
F07	08 Aug 2019	7	15.07	75.12	9.4	33.63	8.3	24.9	1.79
F07	08 Aug 2019	8	14.78	76.00	9.1	33.60	8.3	24.9	2.04
F07	08 Aug 2019	9	14.62	76.75	9.0	33.58	8.3	25.0	2.22
F07	08 Aug 2019	10	14.48	76.96	8.7	33.59	8.2	25.0	2.39
F07	08 Aug 2019	11	14.06	77.25	8.5	33.58	8.2	25.1	2.76
F07	08 Aug 2019	12	13.90	77.47	8.4	33.56	8.2	25.1	3.25
F07	08 Aug 2019	13	14.01	77.34	8.4	33.56	8.2	25.1	3.48
F07	08 Aug 2019	14	13.84	77.13	8.3	33.57	8.2	25.1	3.78
F07	08 Aug 2019	15	13.72	77.31	8.2	33.57	8.2	25.1	4.20
F07	08 Aug 2019	16	13.65	77.52	8.1	33.57	8.2	25.2	4.48
F07	08 Aug 2019	17	13.60	77.49	8.1	33.57	8.2	25.2	4.65
F07	08 Aug 2019	18	13.55	77.28	8.0	33.58	8.2	25.2	4.72
F07	08 Aug 2019	19	13.43	77.50	7.9	33.58	8.2	25.2	4.79
F07	08 Aug 2019	20	13.36	77.54	7.8	33.59	8.2	25.2	4.86
F07	08 Aug 2019	21	13.26	77.28	7.7	33.58	8.2	25.2	5.27
F07	08 Aug 2019	22	13.07	78.04	7.6	33.58	8.2	25.3	4.96
F07	08 Aug 2019	23	13.02	79.56	7.5	33.57	8.2	25.3	4.75
F07	08 Aug 2019	24	12.94	80.10	7.4	33.58	8.2	25.3	4.33

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F07	08 Aug 2019	25	12.79	82.35	7.2	33.58	8.2	25.3	3.47
F07	08 Aug 2019	26	12.69	83.59	7.1	33.59	8.2	25.4	2.62
F07	08 Aug 2019	27	12.62	84.31	7.0	33.58	8.1	25.4	2.31
F07	08 Aug 2019	28	12.59	84.68	7.0	33.58	8.1	25.4	2.20
F07	08 Aug 2019	29	12.55	84.86	6.9	33.58	8.1	25.4	2.07
F07	08 Aug 2019	30	12.49	85.14	6.8	33.59	8.1	25.4	1.99
F07	08 Aug 2019	31	12.36	85.69	6.6	33.60	8.1	25.4	1.72
F07	08 Aug 2019	32	12.28	86.39	6.4	33.61	8.1	25.5	1.51
F07	08 Aug 2019	33	12.18	86.47	6.3	33.62	8.1	25.5	1.43
F07	08 Aug 2019	34	12.12	86.88	6.2	33.62	8.1	25.5	1.16
F07	08 Aug 2019	35	12.04	86.87	6.1	33.63	8.1	25.5	1.21
F07	08 Aug 2019	36	11.97	86.99	6.0	33.63	8.1	25.5	1.09
F07	08 Aug 2019	37	11.92	86.90	6.0	33.63	8.1	25.5	1.13
F07	08 Aug 2019	38	11.86	87.10	5.8	33.64	8.1	25.6	1.04
F07	08 Aug 2019	39	11.85	86.96	5.6	33.64	8.1	25.6	0.95
F07	08 Aug 2019	40	11.85	86.71	5.6	33.64	8.1	25.6	0.89
F07	08 Aug 2019	41	11.82	86.80	5.6	33.64	8.1	25.6	0.92
F07	08 Aug 2019	42	11.79	86.85	5.6	33.65	8.0	25.6	0.93
F07	08 Aug 2019	43	11.79	86.94	5.6	33.65	8.0	25.6	0.87
F07	08 Aug 2019	44	11.77	86.77	5.5	33.65	8.0	25.6	0.86
F07	08 Aug 2019	45	11.76	86.78	5.5	33.65	8.0	25.6	0.91
F07	08 Aug 2019	46	11.74	86.66	5.5	33.65	8.0	25.6	0.87
F07	08 Aug 2019	47	11.72	86.70	5.4	33.65	8.0	25.6	0.80
F07	08 Aug 2019	48	11.73	86.50	5.3	33.65	8.0	25.6	0.75
F07	08 Aug 2019	49	11.70	86.39	5.3	33.66	8.0	25.6	0.74
F07	08 Aug 2019	50	11.68	86.38	5.3	33.66	8.0	25.6	0.75
F07	08 Aug 2019	51	11.57	86.50	5.3	33.67	8.0	25.6	0.78
F07	08 Aug 2019	52	11.51	86.67	5.3	33.67	8.0	25.6	0.75
F07	08 Aug 2019	53	11.47	86.75	5.2	33.67	8.0	25.7	0.69
F07	08 Aug 2019	54	11.44	86.48	5.2	33.67	8.0	25.7	0.66
F07	08 Aug 2019	55	11.43	86.49	5.2	33.67	8.0	25.7	0.66
F07	08 Aug 2019	56	11.41	86.50	5.2	33.68	8.0	25.7	0.64
F07	08 Aug 2019	57	11.40	86.55	5.2	33.68	8.0	25.7	0.63
F07	08 Aug 2019	58	11.39	86.60	5.2	33.68	8.0	25.7	0.61
F07	08 Aug 2019	59	11.38	86.45	5.1	33.68	8.0	25.7	0.62
F07	08 Aug 2019	60	11.32	86.41	5.1	33.69	8.0	25.7	0.58
F07	08 Aug 2019	61	11.29	86.21	5.0	33.69	8.0	25.7	0.54
F07	08 Aug 2019	62	11.24	85.88	5.0	33.69	8.0	25.7	0.52
F07	08 Aug 2019	63	11.23	85.86	5.0	33.69	8.0	25.7	0.50
F07	08 Aug 2019	64	11.25	85.76	5.0	33.69	8.0	25.7	0.50
F08	08 Aug 2019	1	17.49	76.42	9.4	33.63	8.2	24.3	0.90
F08	08 Aug 2019	2	17.32	76.50	9.3	33.64	8.2	24.4	0.94
F08	08 Aug 2019	3	16.97	76.87	9.3	33.63	8.2	24.5	1.06
F08	08 Aug 2019	4	16.90	76.64	9.4	33.62	8.2	24.5	1.20
F08	08 Aug 2019	5	16.68	76.43	9.3	33.63	8.2	24.5	1.41
F08	08 Aug 2019	6	16.59	76.40	9.2	33.62	8.2	24.5	1.65
F08	08 Aug 2019	7	15.94	76.53	9.2	33.65	8.2	24.7	2.00
F08	08 Aug 2019	8	15.46	76.03	9.2	33.59	8.2	24.8	2.63
F08	08 Aug 2019	9	14.96	75.63	8.9	33.63	8.2	24.9	3.31
F08	08 Aug 2019	10	14.57	75.06	8.7	33.59	8.2	25.0	4.25
F08	08 Aug 2019	11	14.24	74.39	8.3	33.58	8.2	25.0	5.41
F08	08 Aug 2019	12	14.03	76.06	7.9	33.60	8.2	25.1	5.73
F08	08 Aug 2019	13	13.75	76.37	7.5	33.58	8.2	25.1	5.61
F08	08 Aug 2019	14	13.71	76.42	7.4	33.58	8.2	25.2	5.23

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F08	08 Aug 2019	15	13.67	77.02	7.4	33.58	8.2	25.2	5.13
F08	08 Aug 2019	16	13.69	77.00	7.4	33.58	8.2	25.2	5.05
F08	08 Aug 2019	17	13.65	77.13	7.4	33.59	8.2	25.2	4.94
F08	08 Aug 2019	18	13.64	77.22	7.4	33.59	8.2	25.2	4.89
F08	08 Aug 2019	19	13.61	77.31	7.3	33.59	8.2	25.2	4.66
F08	08 Aug 2019	20	13.42	77.84	7.1	33.60	8.1	25.2	4.59
F08	08 Aug 2019	21	13.36	78.37	7.0	33.60	8.1	25.2	4.30
F08	08 Aug 2019	22	13.30	79.06	6.9	33.60	8.1	25.2	4.03
F08	08 Aug 2019	23	13.12	79.89	6.8	33.61	8.1	25.3	3.66
F08	08 Aug 2019	24	12.98	80.90	6.7	33.60	8.1	25.3	3.35
F08	08 Aug 2019	25	12.87	81.93	6.5	33.61	8.1	25.3	2.86
F08	08 Aug 2019	26	12.68	82.77	6.4	33.62	8.1	25.4	2.45
F08	08 Aug 2019	27	12.54	83.79	6.3	33.61	8.1	25.4	1.97
F08	08 Aug 2019	28	12.44	84.38	6.1	33.62	8.1	25.4	1.82
F08	08 Aug 2019	29	12.36	84.78	6.0	33.62	8.1	25.4	1.60
F08	08 Aug 2019	30	12.31	85.10	6.0	33.62	8.1	25.5	1.48
F08	08 Aug 2019	31	12.14	85.59	5.8	33.63	8.1	25.5	1.27
F08	08 Aug 2019	32	12.05	85.96	5.8	33.63	8.1	25.5	1.07
F08	08 Aug 2019	33	12.04	86.13	5.7	33.63	8.1	25.5	1.32
F08	08 Aug 2019	34	12.03	86.24	5.7	33.63	8.1	25.5	1.00
F08	08 Aug 2019	35	12.02	86.13	5.7	33.63	8.0	25.5	0.98
F08	08 Aug 2019	36	12.02	86.13	5.6	33.63	8.0	25.5	0.97
F08	08 Aug 2019	37	11.97	86.18	5.6	33.64	8.0	25.5	0.95
F08	08 Aug 2019	38	11.93	86.27	5.5	33.64	8.0	25.5	0.90
F08	08 Aug 2019	39	11.82	86.44	5.5	33.65	8.0	25.6	0.86
F08	08 Aug 2019	40	11.86	86.64	5.4	33.64	8.0	25.6	0.84
F08	08 Aug 2019	41	11.79	86.66	5.4	33.65	8.0	25.6	0.82
F08	08 Aug 2019	42	11.79	86.50	5.4	33.65	8.0	25.6	0.90
F08	08 Aug 2019	43	11.78	86.52	5.4	33.65	8.0	25.6	0.86
F08	08 Aug 2019	44	11.78	86.58	5.4	33.65	8.0	25.6	0.83
F08	08 Aug 2019	45	11.75	86.62	5.4	33.65	8.0	25.6	0.78
F08	08 Aug 2019	46	11.66	86.67	5.4	33.66	8.0	25.6	0.78
F08	08 Aug 2019	47	11.63	86.54	5.4	33.66	8.0	25.6	0.80
F08	08 Aug 2019	48	11.63	86.59	5.4	33.66	8.0	25.6	0.76
F08	08 Aug 2019	49	11.63	86.54	5.4	33.66	8.0	25.6	0.78
F08	08 Aug 2019	50	11.61	86.46	5.4	33.66	8.0	25.6	0.75
F08	08 Aug 2019	51	11.60	86.52	5.4	33.66	8.0	25.6	0.79
F08	08 Aug 2019	52	11.60	86.86	5.4	33.66	8.0	25.6	0.80
F08	08 Aug 2019	53	11.58	86.71	5.4	33.66	8.0	25.6	0.78
F08	08 Aug 2019	54	11.56	86.97	5.4	33.66	8.0	25.6	0.80
F08	08 Aug 2019	55	11.54	86.97	5.4	33.66	8.0	25.6	0.78
F08	08 Aug 2019	56	11.53	86.93	5.3	33.66	8.0	25.6	0.77
F08	08 Aug 2019	57	11.50	86.73	5.3	33.67	8.0	25.6	0.74
F08	08 Aug 2019	58	11.45	86.70	5.2	33.67	8.0	25.7	0.72
F08	08 Aug 2019	59	11.44	85.85	5.2	33.67	8.0	25.7	0.72
F08	08 Aug 2019	60	11.37	84.83	5.1	33.68	8.0	25.7	0.65
F08	08 Aug 2019	61	11.39	84.65	5.1	33.68	8.0	25.7	0.62
F08	08 Aug 2019	62	11.39	84.63	5.1	33.68	8.0	25.7	0.61
F09	08 Aug 2019	1	16.53	78.54	8.9	33.62	8.2	24.6	0.80
F09	08 Aug 2019	2	16.33	78.25	8.9	33.61	8.2	24.6	0.89
F09	08 Aug 2019	3	16.12	76.83	8.8	33.61	8.2	24.7	1.07
F09	08 Aug 2019	4	15.60	76.97	8.8	33.60	8.2	24.8	1.29
F09	08 Aug 2019	5	15.52	77.27	8.8	33.60	8.2	24.8	1.37
F09	08 Aug 2019	6	15.36	77.07	8.8	33.60	8.2	24.8	1.48

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F09	08 Aug 2019	7	15.21	77.02	8.7	33.61	8.2	24.9	1.71
F09	08 Aug 2019	8	14.80	77.10	8.5	33.61	8.2	24.9	1.98
F09	08 Aug 2019	9	14.48	76.96	8.3	33.59	8.2	25.0	2.48
F09	08 Aug 2019	10	14.40	76.90	8.2	33.58	8.2	25.0	2.99
F09	08 Aug 2019	11	14.33	76.82	8.1	33.59	8.2	25.0	3.50
F09	08 Aug 2019	12	14.06	76.82	7.9	33.59	8.2	25.1	3.96
F09	08 Aug 2019	13	13.98	76.90	7.8	33.58	8.2	25.1	4.40
F09	08 Aug 2019	14	13.87	76.98	7.8	33.59	8.2	25.1	4.53
F09	08 Aug 2019	15	13.76	76.97	7.6	33.58	8.2	25.1	4.52
F09	08 Aug 2019	16	13.68	77.58	7.5	33.58	8.2	25.2	4.57
F09	08 Aug 2019	17	13.54	77.73	7.4	33.59	8.1	25.2	4.50
F09	08 Aug 2019	18	13.37	78.20	7.1	33.60	8.1	25.2	4.23
F09	08 Aug 2019	19	12.94	80.42	6.7	33.60	8.1	25.3	3.61
F09	08 Aug 2019	20	12.78	82.98	6.4	33.62	8.1	25.4	2.92
F09	08 Aug 2019	21	12.42	84.47	6.2	33.61	8.1	25.4	2.14
F09	08 Aug 2019	22	12.33	85.12	6.2	33.60	8.1	25.4	1.66
F09	08 Aug 2019	23	12.38	85.53	6.1	33.60	8.1	25.4	1.44
F09	08 Aug 2019	24	12.28	85.68	6.1	33.60	8.1	25.5	1.32
F09	08 Aug 2019	25	12.27	85.96	6.1	33.61	8.1	25.5	1.57
F09	08 Aug 2019	26	12.26	85.93	6.0	33.61	8.1	25.5	1.39
F09	08 Aug 2019	27	12.25	85.93	6.0	33.61	8.1	25.5	1.39
F09	08 Aug 2019	28	12.22	86.02	5.9	33.62	8.1	25.5	1.22
F09	08 Aug 2019	29	12.10	86.29	5.8	33.63	8.1	25.5	1.07
F09	08 Aug 2019	30	12.08	86.41	5.7	33.62	8.1	25.5	0.95
F09	08 Aug 2019	31	12.05	86.57	5.7	33.63	8.0	25.5	0.89
F09	08 Aug 2019	32	12.00	86.63	5.7	33.63	8.0	25.5	0.91
F09	08 Aug 2019	33	11.96	86.66	5.7	33.63	8.0	25.5	0.90
F09	08 Aug 2019	34	11.93	86.73	5.7	33.64	8.0	25.5	0.88
F09	08 Aug 2019	35	11.85	86.62	5.6	33.64	8.0	25.6	0.89
F09	08 Aug 2019	36	11.83	86.72	5.6	33.64	8.0	25.6	0.89
F09	08 Aug 2019	37	11.80	86.59	5.6	33.64	8.0	25.6	0.85
F09	08 Aug 2019	38	11.80	86.60	5.5	33.64	8.0	25.6	0.90
F09	08 Aug 2019	39	11.77	86.69	5.5	33.65	8.0	25.6	0.90
F09	08 Aug 2019	40	11.72	86.62	5.5	33.65	8.0	25.6	0.86
F09	08 Aug 2019	41	11.70	86.83	5.5	33.65	8.0	25.6	0.86
F09	08 Aug 2019	42	11.69	86.80	5.5	33.65	8.0	25.6	0.86
F09	08 Aug 2019	43	11.63	86.77	5.4	33.66	8.0	25.6	0.79
F09	08 Aug 2019	44	11.60	86.51	5.4	33.66	8.0	25.6	0.77
F09	08 Aug 2019	45	11.60	86.47	5.4	33.66	8.0	25.6	0.74
F09	08 Aug 2019	46	11.58	86.36	5.3	33.66	8.0	25.6	0.73
F09	08 Aug 2019	47	11.57	85.86	5.3	33.66	8.0	25.6	0.77
F09	08 Aug 2019	48	11.57	85.49	5.3	33.66	8.0	25.6	0.74
F09	08 Aug 2019	49	11.55	85.06	5.2	33.66	8.0	25.6	0.71
F09	08 Aug 2019	50	11.55	84.79	5.2	33.66	8.0	25.6	0.72
F09	08 Aug 2019	51	11.54	84.59	5.2	33.66	8.0	25.6	0.69
F09	08 Aug 2019	52	11.51	83.99	5.2	33.67	8.0	25.6	0.69
F09	08 Aug 2019	53	11.52	83.66	5.2	33.66	8.0	25.6	0.66
F09	08 Aug 2019	54	11.45	84.17	5.1	33.67	8.0	25.7	0.65
F09	08 Aug 2019	55	11.43	84.74	5.1	33.67	8.0	25.7	0.67
F09	08 Aug 2019	56	11.41	84.71	5.1	33.67	8.0	25.7	0.63
F09	08 Aug 2019	57	11.39	84.60	5.1	33.67	8.0	25.7	0.61
F09	08 Aug 2019	58	11.38	84.03	5.1	33.68	8.0	25.7	0.59
F09	08 Aug 2019	59	11.36	83.57	5.0	33.68	8.0	25.7	0.60
F09	08 Aug 2019	60	11.36	83.34	5.0	33.68	7.9	25.7	0.58
F09	08 Aug 2019	61	11.35	83.06	5.0	33.68	7.9	25.7	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F10	08 Aug 2019	1	16.95	75.59	9.8	33.66	8.2	24.5	2.17
F10	08 Aug 2019	2	16.59	72.32	9.9	33.63	8.2	24.6	3.25
F10	08 Aug 2019	3	16.31	69.03	10.2	33.63	8.3	24.6	5.29
F10	08 Aug 2019	4	15.87	64.89	10.5	33.62	8.3	24.7	8.89
F10	08 Aug 2019	5	15.84	61.74	10.5	33.60	8.3	24.7	10.97
F10	08 Aug 2019	6	15.83	62.15	10.5	33.60	8.3	24.7	11.30
F10	08 Aug 2019	7	15.81	62.55	10.5	33.60	8.3	24.7	11.21
F10	08 Aug 2019	8	15.81	62.60	10.5	33.60	8.3	24.7	11.74
F10	08 Aug 2019	9	15.75	62.51	10.3	33.61	8.3	24.7	11.87
F10	08 Aug 2019	10	15.55	63.27	10.2	33.61	8.3	24.8	11.14
F10	08 Aug 2019	11	15.55	63.74	10.2	33.60	8.3	24.8	10.93
F10	08 Aug 2019	12	15.66	63.79	10.2	33.60	8.3	24.7	11.07
F10	08 Aug 2019	13	15.64	63.33	10.3	33.61	8.3	24.8	11.09
F10	08 Aug 2019	14	15.61	63.29	10.2	33.60	8.3	24.8	11.06
F10	08 Aug 2019	15	15.54	63.21	10.1	33.61	8.3	24.8	10.94
F10	08 Aug 2019	16	15.43	62.93	10.0	33.62	8.3	24.8	11.25
F10	08 Aug 2019	17	15.12	64.52	9.7	33.60	8.3	24.9	11.18
F10	08 Aug 2019	18	14.94	64.81	9.2	33.62	8.3	24.9	10.41
F10	08 Aug 2019	19	14.20	67.28	8.7	33.61	8.2	25.1	7.85
F10	08 Aug 2019	20	14.09	72.67	8.4	33.59	8.2	25.1	6.59
F10	08 Aug 2019	21	14.02	74.41	8.2	33.59	8.2	25.1	5.91
F10	08 Aug 2019	22	13.85	75.32	7.8	33.60	8.2	25.1	5.50
F10	08 Aug 2019	23	13.48	76.68	7.1	33.62	8.2	25.2	4.66
F10	08 Aug 2019	24	13.08	79.48	6.8	33.60	8.2	25.3	4.00
F10	08 Aug 2019	25	13.05	80.29	6.8	33.58	8.2	25.3	3.94
F10	08 Aug 2019	26	12.98	80.21	6.6	33.59	8.2	25.3	3.86
F10	08 Aug 2019	27	12.75	80.65	6.4	33.61	8.2	25.4	3.64
F10	08 Aug 2019	28	12.47	81.70	6.2	33.62	8.1	25.4	2.65
F10	08 Aug 2019	29	12.28	85.73	6.1	33.61	8.1	25.5	1.58
F10	08 Aug 2019	30	12.23	86.28	6.1	33.61	8.1	25.5	1.14
F10	08 Aug 2019	31	12.18	86.54	6.1	33.61	8.1	25.5	1.03
F10	08 Aug 2019	32	12.12	86.73	6.0	33.61	8.1	25.5	0.96
F10	08 Aug 2019	33	12.10	86.75	5.9	33.62	8.1	25.5	0.93
F10	08 Aug 2019	34	12.11	86.70	5.9	33.62	8.1	25.5	0.94
F10	08 Aug 2019	35	11.99	86.70	5.8	33.63	8.1	25.5	0.89
F10	08 Aug 2019	36	11.98	86.62	5.7	33.63	8.1	25.5	0.84
F10	08 Aug 2019	37	11.92	86.65	5.6	33.64	8.1	25.5	0.91
F10	08 Aug 2019	38	11.89	86.64	5.6	33.64	8.1	25.6	0.80
F10	08 Aug 2019	39	11.89	86.71	5.5	33.64	8.1	25.6	0.74
F10	08 Aug 2019	40	11.86	86.45	5.5	33.64	8.0	25.6	0.71
F10	08 Aug 2019	41	11.85	86.51	5.4	33.64	8.0	25.6	0.68
F10	08 Aug 2019	42	11.80	86.26	5.4	33.65	8.0	25.6	0.68
F10	08 Aug 2019	43	11.75	86.60	5.4	33.65	8.0	25.6	0.70
F10	08 Aug 2019	44	11.74	86.68	5.4	33.65	8.0	25.6	0.69
F10	08 Aug 2019	45	11.69	86.73	5.4	33.65	8.0	25.6	0.68
F10	08 Aug 2019	46	11.69	86.72	5.4	33.65	8.0	25.6	0.69
F10	08 Aug 2019	47	11.69	86.74	5.4	33.65	8.0	25.6	0.68
F10	08 Aug 2019	48	11.69	86.81	5.4	33.65	8.0	25.6	0.67
F10	08 Aug 2019	49	11.66	86.81	5.3	33.65	8.0	25.6	0.70
F10	08 Aug 2019	50	11.66	86.73	5.3	33.65	8.0	25.6	0.72
F10	08 Aug 2019	51	11.65	86.77	5.3	33.65	8.0	25.6	0.68
F10	08 Aug 2019	52	11.65	86.72	5.3	33.65	8.0	25.6	0.71
F10	08 Aug 2019	53	11.64	86.69	5.3	33.66	8.0	25.6	0.67
F10	08 Aug 2019	54	11.61	86.38	5.2	33.66	8.0	25.6	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F10	08 Aug 2019	55	11.60	86.29	5.2	33.66	8.0	25.6	0.63
F10	08 Aug 2019	56	11.50	85.50	5.1	33.67	8.0	25.7	0.57
F10	08 Aug 2019	57	11.41	84.14	5.0	33.67	8.0	25.7	0.53
F10	08 Aug 2019	58	11.41	83.88	4.9	33.67	8.0	25.7	0.53
F10	08 Aug 2019	59	11.32	82.05	4.8	33.69	8.0	25.7	0.52
F10	08 Aug 2019	60	11.30	80.44	4.8	33.68	8.0	25.7	0.50
F10	08 Aug 2019	61	11.28	79.86	4.7	33.69	8.0	25.7	0.50
F10	08 Aug 2019	62	11.28	80.04	4.7	33.69	8.0	25.7	0.50
F11	08 Aug 2019	1	17.13	70.26	10.7	33.66	8.3	24.5	3.31
F11	08 Aug 2019	2	16.42	65.41	10.9	33.67	8.3	24.6	6.33
F11	08 Aug 2019	3	16.07	63.23	11.0	33.62	8.3	24.7	10.59
F11	08 Aug 2019	4	15.87	62.38	11.0	33.62	8.3	24.7	12.55
F11	08 Aug 2019	5	15.69	62.18	10.3	33.64	8.3	24.8	13.06
F11	08 Aug 2019	6	14.31	67.89	8.9	33.66	8.3	25.1	10.44
F11	08 Aug 2019	7	14.09	72.95	8.4	33.60	8.3	25.1	7.77
F11	08 Aug 2019	8	13.87	74.03	7.9	33.61	8.2	25.1	6.97
F11	08 Aug 2019	9	13.49	75.87	7.2	33.60	8.2	25.2	5.64
F11	08 Aug 2019	10	13.34	77.16	6.8	33.60	8.2	25.2	4.90
F11	08 Aug 2019	11	13.23	77.85	6.5	33.60	8.2	25.3	4.82
F11	08 Aug 2019	12	13.10	78.10	6.2	33.60	8.2	25.3	4.54
F11	08 Aug 2019	13	13.03	78.41	6.1	33.60	8.2	25.3	4.34
F11	08 Aug 2019	14	12.93	79.35	6.0	33.60	8.2	25.3	3.88
F11	08 Aug 2019	15	12.78	80.07	5.8	33.62	8.1	25.4	3.50
F11	08 Aug 2019	16	12.38	81.54	5.5	33.62	8.1	25.4	2.94
F11	08 Aug 2019	17	12.35	82.98	5.3	33.61	8.1	25.4	2.71
F11	08 Aug 2019	18	12.31	83.13	5.2	33.62	8.1	25.5	2.59
F11	08 Aug 2019	19	12.27	83.52	5.2	33.62	8.1	25.5	2.21
F11	08 Aug 2019	20	12.27	84.07	5.2	33.62	8.1	25.5	2.00
F11	08 Aug 2019	21	12.25	84.32	5.3	33.62	8.1	25.5	2.14
F11	08 Aug 2019	22	12.24	83.58	5.5	33.62	8.1	25.5	3.01
F11	08 Aug 2019	23	12.22	83.15	5.6	33.62	8.0	25.5	2.87
F11	08 Aug 2019	24	12.19	83.98	5.8	33.62	8.0	25.5	2.16
F11	08 Aug 2019	25	12.17	85.19	5.9	33.62	8.0	25.5	1.46
F11	08 Aug 2019	26	12.12	86.67	5.9	33.62	8.0	25.5	1.07
F11	08 Aug 2019	27	12.11	86.77	5.9	33.62	8.0	25.5	1.00
F11	08 Aug 2019	28	12.00	87.09	5.8	33.63	8.0	25.5	1.08
F11	08 Aug 2019	29	11.98	86.87	5.8	33.63	8.0	25.5	0.95
F11	08 Aug 2019	30	11.98	87.06	5.8	33.63	8.0	25.5	0.89
F11	08 Aug 2019	31	11.95	87.11	5.8	33.63	8.0	25.5	0.89
F11	08 Aug 2019	32	11.93	87.23	5.7	33.63	8.0	25.5	0.81
F11	08 Aug 2019	33	11.89	86.98	5.6	33.64	8.0	25.6	0.79
F11	08 Aug 2019	34	11.86	87.08	5.5	33.64	8.0	25.6	0.75
F11	08 Aug 2019	35	11.83	87.17	5.5	33.64	8.0	25.6	0.70
F11	08 Aug 2019	36	11.81	87.25	5.4	33.65	8.0	25.6	0.65
F11	08 Aug 2019	37	11.79	87.37	5.3	33.65	8.0	25.6	0.60
F11	08 Aug 2019	38	11.78	87.33	5.3	33.65	8.0	25.6	0.58
F11	08 Aug 2019	39	11.77	87.40	5.3	33.65	8.0	25.6	0.55
F11	08 Aug 2019	40	11.76	87.38	5.3	33.65	8.0	25.6	0.56
F11	08 Aug 2019	41	11.76	87.32	5.2	33.65	8.0	25.6	0.53
F11	08 Aug 2019	42	11.75	87.36	5.2	33.65	8.0	25.6	0.54
F11	08 Aug 2019	43	11.74	87.31	5.2	33.65	8.0	25.6	0.54
F11	08 Aug 2019	44	11.73	87.35	5.2	33.65	8.0	25.6	0.52
F11	08 Aug 2019	45	11.73	87.23	5.2	33.65	8.0	25.6	0.52
F11	08 Aug 2019	46	11.66	87.34	5.2	33.66	8.0	25.6	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F11	08 Aug 2019	47	11.59	87.13	5.3	33.66	8.0	25.6	0.57
F11	08 Aug 2019	48	11.60	87.29	5.3	33.66	8.0	25.6	0.59
F11	08 Aug 2019	49	11.51	87.28	5.3	33.66	8.0	25.6	0.64
F11	08 Aug 2019	50	11.50	87.31	5.3	33.66	8.0	25.6	0.66
F11	08 Aug 2019	51	11.48	87.30	5.2	33.66	8.0	25.6	0.63
F11	08 Aug 2019	52	11.46	87.12	5.2	33.67	8.0	25.7	0.61
F11	08 Aug 2019	53	11.43	86.90	5.1	33.67	8.0	25.7	0.58
F11	08 Aug 2019	54	11.43	86.58	5.1	33.67	8.0	25.7	0.58
F11	08 Aug 2019	55	11.42	86.20	5.0	33.67	7.9	25.7	0.56
F11	08 Aug 2019	56	11.41	85.72	5.0	33.67	7.9	25.7	0.54
F11	08 Aug 2019	57	11.40	85.59	5.0	33.67	7.9	25.7	0.52
F11	08 Aug 2019	58	11.34	84.73	4.9	33.68	7.9	25.7	0.52
F11	08 Aug 2019	59	11.31	82.47	4.8	33.68	7.9	25.7	0.52
F11	08 Aug 2019	60	11.31	81.71	4.8	33.68	7.9	25.7	0.53
F12	08 Aug 2019	1	18.60	73.17	9.9	33.66	8.2	24.1	1.95
F12	08 Aug 2019	2	18.51	73.15	9.9	33.67	8.2	24.1	2.06
F12	08 Aug 2019	3	18.17	72.94	10.0	33.66	8.2	24.2	2.61
F12	08 Aug 2019	4	16.75	72.20	9.8	33.75	8.3	24.6	4.10
F12	08 Aug 2019	5	14.82	69.48	9.3	33.65	8.3	25.0	7.67
F12	08 Aug 2019	6	14.13	70.76	8.3	33.61	8.3	25.1	7.04
F12	08 Aug 2019	7	13.79	74.41	7.7	33.59	8.2	25.1	5.83
F12	08 Aug 2019	8	13.48	76.46	7.4	33.59	8.2	25.2	4.88
F12	08 Aug 2019	9	13.39	77.85	7.3	33.58	8.2	25.2	4.58
F12	08 Aug 2019	10	13.38	77.99	7.2	33.58	8.2	25.2	4.49
F12	08 Aug 2019	11	13.34	78.11	7.1	33.59	8.2	25.2	4.33
F12	08 Aug 2019	12	13.30	78.82	6.9	33.59	8.2	25.2	3.92
F12	08 Aug 2019	13	13.17	79.50	6.7	33.60	8.2	25.3	3.63
F12	08 Aug 2019	14	13.03	80.27	6.5	33.60	8.2	25.3	3.52
F12	08 Aug 2019	15	12.91	80.83	6.3	33.60	8.1	25.3	3.37
F12	08 Aug 2019	16	12.81	80.79	6.2	33.60	8.1	25.3	3.26
F12	08 Aug 2019	17	12.80	81.11	6.1	33.60	8.1	25.4	3.15
F12	08 Aug 2019	18	12.74	81.58	6.2	33.61	8.1	25.4	2.99
F12	08 Aug 2019	19	12.67	81.64	6.3	33.59	8.1	25.4	2.77
F12	08 Aug 2019	20	12.59	82.44	6.2	33.61	8.1	25.4	2.99
F12	08 Aug 2019	21	12.50	82.08	6.0	33.61	8.1	25.4	2.81
F12	08 Aug 2019	22	12.41	83.02	5.9	33.61	8.1	25.4	2.10
F12	08 Aug 2019	23	12.34	84.42	5.6	33.62	8.1	25.4	2.06
F12	08 Aug 2019	24	12.31	84.11	5.4	33.62	8.1	25.5	2.26
F12	08 Aug 2019	25	12.30	84.27	5.4	33.62	8.0	25.5	2.19
F12	08 Aug 2019	26	12.28	84.49	5.4	33.62	8.0	25.5	1.78
F12	08 Aug 2019	27	12.25	85.23	5.4	33.62	8.0	25.5	1.54
F12	08 Aug 2019	28	12.22	85.50	5.4	33.62	8.0	25.5	1.41
F12	08 Aug 2019	29	12.16	86.02	5.4	33.62	8.0	25.5	1.28
F12	08 Aug 2019	30	12.15	86.33	5.4	33.63	8.0	25.5	1.14
F12	08 Aug 2019	31	12.11	86.57	5.4	33.63	8.0	25.5	0.89
F12	08 Aug 2019	32	12.05	87.42	5.5	33.63	8.0	25.5	0.64
F12	08 Aug 2019	33	12.01	87.67	5.5	33.63	8.0	25.5	0.55
F12	08 Aug 2019	34	11.99	87.78	5.5	33.63	8.0	25.5	0.56
F12	08 Aug 2019	35	11.96	87.79	5.5	33.63	8.0	25.5	0.51
F12	08 Aug 2019	36	11.90	87.55	5.4	33.64	8.0	25.5	0.54
F12	08 Aug 2019	37	11.85	87.65	5.3	33.64	8.0	25.6	0.48
F12	08 Aug 2019	38	11.81	87.51	5.3	33.64	8.0	25.6	0.48
F12	08 Aug 2019	39	11.79	87.41	5.2	33.65	8.0	25.6	0.51
F12	08 Aug 2019	40	11.74	87.26	5.2	33.65	8.0	25.6	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F12	08 Aug 2019	41	11.71	87.08	5.2	33.65	8.0	25.6	0.52
F12	08 Aug 2019	42	11.67	86.68	5.2	33.65	8.0	25.6	0.52
F12	08 Aug 2019	43	11.65	86.70	5.2	33.65	8.0	25.6	0.51
F12	08 Aug 2019	44	11.65	86.84	5.2	33.65	8.0	25.6	0.51
F12	08 Aug 2019	45	11.63	86.70	5.2	33.66	8.0	25.6	0.52
F12	08 Aug 2019	46	11.62	86.55	5.1	33.66	8.0	25.6	0.52
F12	08 Aug 2019	47	11.56	86.19	5.1	33.66	8.0	25.6	0.52
F12	08 Aug 2019	48	11.50	85.87	5.1	33.67	8.0	25.6	0.53
F12	08 Aug 2019	49	11.49	86.31	5.1	33.66	8.0	25.6	0.53
F12	08 Aug 2019	50	11.49	86.55	5.1	33.66	8.0	25.6	0.55
F12	08 Aug 2019	51	11.48	86.64	5.1	33.67	8.0	25.6	0.53
F12	08 Aug 2019	52	11.44	86.87	5.1	33.67	8.0	25.7	0.54
F12	08 Aug 2019	53	11.43	87.00	5.1	33.67	8.0	25.7	0.54
F12	08 Aug 2019	54	11.41	86.96	5.1	33.67	8.0	25.7	0.55
F12	08 Aug 2019	55	11.40	86.24	5.0	33.67	8.0	25.7	0.54
F12	08 Aug 2019	56	11.39	85.84	5.0	33.67	7.9	25.7	0.55
F12	08 Aug 2019	57	11.39	85.58	5.0	33.67	7.9	25.7	0.55
F12	08 Aug 2019	58	11.30	84.86	4.9	33.69	7.9	25.7	0.53
F12	08 Aug 2019	59	11.18	83.28	4.8	33.70	7.9	25.7	0.53
F12	08 Aug 2019	60	11.16	82.62	4.7	33.70	7.9	25.7	0.53
F12	08 Aug 2019	61	11.14	81.37	4.6	33.70	7.9	25.7	0.53
F12	08 Aug 2019	62	11.15	80.35	4.6	33.70	7.9	25.7	0.54
F13	08 Aug 2019	1	19.42	72.69	9.9	33.68	8.2	23.9	2.31
F13	08 Aug 2019	2	19.16	71.89	10.0	33.67	8.2	24.0	2.63
F13	08 Aug 2019	3	18.90	72.02	9.9	33.67	8.3	24.0	2.78
F13	08 Aug 2019	4	18.81	72.19	9.8	33.66	8.3	24.0	2.96
F13	08 Aug 2019	5	18.13	71.50	10.0	33.69	8.3	24.2	3.89
F13	08 Aug 2019	6	16.82	67.94	9.7	33.70	8.3	24.6	5.52
F13	08 Aug 2019	7	14.61	70.82	8.7	33.67	8.3	25.0	5.91
F13	08 Aug 2019	8	13.67	74.69	7.8	33.59	8.3	25.2	5.26
F13	08 Aug 2019	9	13.39	76.52	7.5	33.55	8.3	25.2	5.06
F13	08 Aug 2019	10	13.29	77.48	7.4	33.54	8.2	25.2	4.91
F13	08 Aug 2019	11	13.13	78.56	7.3	33.54	8.2	25.2	4.60
F13	08 Aug 2019	12	13.03	79.43	7.2	33.54	8.2	25.3	4.42
F13	08 Aug 2019	13	12.91	79.40	7.1	33.55	8.2	25.3	4.54
F13	08 Aug 2019	14	12.83	79.00	7.0	33.56	8.2	25.3	4.61
F13	08 Aug 2019	15	12.51	82.62	6.8	33.56	8.2	25.4	3.32
F13	08 Aug 2019	16	12.42	85.51	6.6	33.57	8.2	25.4	2.19
F13	08 Aug 2019	17	12.38	86.07	6.3	33.58	8.2	25.4	1.65
F13	08 Aug 2019	18	12.34	86.25	6.1	33.59	8.2	25.4	1.47
F13	08 Aug 2019	19	12.34	86.13	6.0	33.59	8.1	25.4	1.71
F13	08 Aug 2019	20	12.34	85.98	6.0	33.60	8.1	25.4	1.36
F13	08 Aug 2019	21	12.34	86.01	6.0	33.60	8.1	25.4	1.29
F13	08 Aug 2019	22	12.34	85.97	5.9	33.61	8.1	25.4	1.17
F13	08 Aug 2019	23	12.33	86.00	5.8	33.61	8.1	25.4	1.08
F13	08 Aug 2019	24	12.32	86.12	5.7	33.61	8.1	25.5	1.14
F13	08 Aug 2019	25	12.29	86.21	5.6	33.62	8.1	25.5	0.99
F13	08 Aug 2019	26	12.23	86.37	5.4	33.62	8.1	25.5	0.90
F13	08 Aug 2019	27	12.20	86.62	5.3	33.63	8.1	25.5	0.82
F13	08 Aug 2019	28	12.18	87.03	5.2	33.63	8.1	25.5	0.66
F13	08 Aug 2019	29	12.16	87.20	5.2	33.63	8.0	25.5	0.64
F13	08 Aug 2019	30	12.14	87.26	5.1	33.63	8.0	25.5	0.60
F13	08 Aug 2019	31	12.12	87.24	5.1	33.64	8.0	25.5	0.56
F13	08 Aug 2019	32	12.07	87.33	5.1	33.64	8.0	25.5	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F13	08 Aug 2019	33	11.99	87.51	5.3	33.64	8.0	25.5	0.53
F13	08 Aug 2019	34	11.96	87.61	5.3	33.64	8.0	25.5	0.56
F13	08 Aug 2019	35	11.89	87.55	5.5	33.64	8.0	25.6	0.61
F13	08 Aug 2019	36	11.88	87.53	5.5	33.64	8.0	25.6	0.68
F13	08 Aug 2019	37	11.88	87.51	5.4	33.64	8.0	25.6	0.64
F13	08 Aug 2019	38	11.88	87.51	5.3	33.64	8.0	25.6	0.59
F13	08 Aug 2019	39	11.86	87.40	5.3	33.64	8.0	25.6	0.57
F13	08 Aug 2019	40	11.84	87.38	5.3	33.64	8.0	25.6	0.60
F13	08 Aug 2019	41	11.82	87.39	5.4	33.64	8.0	25.6	0.63
F13	08 Aug 2019	42	11.82	87.49	5.4	33.64	8.0	25.6	0.64
F13	08 Aug 2019	43	11.80	87.56	5.4	33.65	8.0	25.6	0.62
F13	08 Aug 2019	44	11.75	87.64	5.4	33.65	8.0	25.6	0.59
F13	08 Aug 2019	45	11.73	87.60	5.3	33.65	8.0	25.6	0.59
F13	08 Aug 2019	46	11.71	87.59	5.3	33.65	8.0	25.6	0.60
F13	08 Aug 2019	47	11.72	87.55	5.3	33.65	8.0	25.6	0.61
F13	08 Aug 2019	48	11.70	87.56	5.3	33.65	8.0	25.6	0.62
F13	08 Aug 2019	49	11.69	87.47	5.3	33.65	8.0	25.6	0.60
F13	08 Aug 2019	50	11.65	87.31	5.2	33.65	8.0	25.6	0.57
F13	08 Aug 2019	51	11.64	87.46	5.2	33.65	8.0	25.6	0.57
F13	08 Aug 2019	52	11.63	87.36	5.2	33.65	8.0	25.6	0.56
F13	08 Aug 2019	53	11.62	87.33	5.2	33.66	8.0	25.6	0.54
F13	08 Aug 2019	54	11.59	87.32	5.2	33.66	8.0	25.6	0.55
F13	08 Aug 2019	55	11.55	87.24	5.2	33.66	8.0	25.6	0.50
F13	08 Aug 2019	56	11.50	86.66	5.1	33.67	8.0	25.6	0.49
F13	08 Aug 2019	57	11.46	86.17	5.0	33.67	8.0	25.7	0.49
F13	08 Aug 2019	58	11.38	85.39	5.0	33.68	8.0	25.7	0.48
F13	08 Aug 2019	59	11.39	84.30	4.9	33.67	7.9	25.7	0.49
F13	08 Aug 2019	60	11.30	83.14	4.8	33.68	7.9	25.7	0.49
F13	08 Aug 2019	61	11.31	82.13	4.8	33.68	7.9	25.7	0.50
F14	08 Aug 2019	1	19.64	70.63	10.2	33.67	8.2	23.8	3.06
F14	08 Aug 2019	2	19.52	71.22	10.2	33.69	8.3	23.9	3.21
F14	08 Aug 2019	3	17.75	70.24	10.8	33.78	8.3	24.4	6.46
F14	08 Aug 2019	4	16.29	65.60	10.6	33.65	8.3	24.6	8.84
F14	08 Aug 2019	5	15.23	67.47	10.1	33.62	8.3	24.9	8.05
F14	08 Aug 2019	6	14.78	69.24	9.4	33.61	8.3	25.0	7.71
F14	08 Aug 2019	7	14.17	71.10	8.4	33.61	8.3	25.1	8.07
F14	08 Aug 2019	8	13.32	73.55	7.5	33.60	8.3	25.2	7.65
F14	08 Aug 2019	9	12.81	76.45	7.2	33.54	8.3	25.3	6.75
F14	08 Aug 2019	10	12.76	78.72	7.2	33.53	8.2	25.3	5.77
F14	08 Aug 2019	11	12.58	82.90	7.1	33.54	8.2	25.3	3.55
F14	08 Aug 2019	12	12.45	85.02	7.0	33.54	8.2	25.4	2.36
F14	08 Aug 2019	13	12.39	85.91	6.9	33.55	8.2	25.4	1.86
F14	08 Aug 2019	14	12.34	86.19	6.8	33.56	8.2	25.4	1.67
F14	08 Aug 2019	15	12.28	86.11	6.6	33.57	8.2	25.4	1.64
F14	08 Aug 2019	16	12.22	86.32	6.1	33.60	8.2	25.5	1.36
F14	08 Aug 2019	17	12.19	86.61	5.8	33.61	8.2	25.5	1.08
F14	08 Aug 2019	18	12.19	86.80	5.7	33.62	8.1	25.5	0.95
F14	08 Aug 2019	19	12.19	86.84	5.7	33.62	8.1	25.5	0.92
F14	08 Aug 2019	20	12.19	86.84	5.7	33.62	8.1	25.5	0.85
F14	08 Aug 2019	21	12.19	86.74	5.7	33.62	8.1	25.5	0.89
F14	08 Aug 2019	22	12.16	86.83	5.6	33.62	8.1	25.5	0.76
F14	08 Aug 2019	23	12.12	87.13	5.6	33.63	8.1	25.5	0.76
F14	08 Aug 2019	24	12.13	86.95	5.6	33.63	8.1	25.5	0.73
F14	08 Aug 2019	25	12.09	87.16	5.6	33.63	8.1	25.5	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F14	08 Aug 2019	26	12.05	87.18	5.6	33.63	8.1	25.5	0.86
F14	08 Aug 2019	27	11.98	87.25	5.5	33.64	8.1	25.5	0.75
F14	08 Aug 2019	28	11.96	87.24	5.5	33.64	8.0	25.5	0.65
F14	08 Aug 2019	29	11.97	87.14	5.4	33.64	8.0	25.5	0.62
F14	08 Aug 2019	30	11.93	87.21	5.4	33.64	8.0	25.5	0.58
F14	08 Aug 2019	31	11.93	87.24	5.4	33.64	8.0	25.5	0.56
F14	08 Aug 2019	32	11.91	87.22	5.3	33.64	8.0	25.6	0.56
F14	08 Aug 2019	33	11.88	87.39	5.3	33.65	8.0	25.6	0.51
F14	08 Aug 2019	34	11.83	87.49	5.3	33.65	8.0	25.6	0.55
F14	08 Aug 2019	35	11.79	87.32	5.3	33.65	8.0	25.6	0.56
F14	08 Aug 2019	36	11.77	87.15	5.3	33.65	8.0	25.6	0.60
F14	08 Aug 2019	37	11.76	87.23	5.3	33.65	8.0	25.6	0.54
F14	08 Aug 2019	38	11.74	87.31	5.3	33.65	8.0	25.6	0.53
F14	08 Aug 2019	39	11.73	87.32	5.2	33.65	8.0	25.6	0.49
F14	08 Aug 2019	40	11.71	87.55	5.2	33.66	8.0	25.6	0.51
F14	08 Aug 2019	41	11.70	87.58	5.2	33.65	8.0	25.6	0.47
F14	08 Aug 2019	42	11.69	87.61	5.2	33.66	8.0	25.6	0.48
F14	08 Aug 2019	43	11.68	87.54	5.2	33.65	8.0	25.6	0.52
F14	08 Aug 2019	44	11.68	87.57	5.2	33.65	8.0	25.6	0.50
F14	08 Aug 2019	45	11.68	87.58	5.2	33.65	8.0	25.6	0.47
F14	08 Aug 2019	46	11.68	87.51	5.2	33.65	8.0	25.6	0.47
F14	08 Aug 2019	47	11.68	87.53	5.2	33.65	8.0	25.6	0.48
F14	08 Aug 2019	48	11.68	87.41	5.2	33.65	8.0	25.6	0.49
F14	08 Aug 2019	49	11.67	87.42	5.2	33.65	8.0	25.6	0.49
F14	08 Aug 2019	50	11.67	87.45	5.2	33.65	8.0	25.6	0.51
F14	08 Aug 2019	51	11.66	87.40	5.2	33.66	8.0	25.6	0.53
F14	08 Aug 2019	52	11.60	87.25	5.2	33.66	8.0	25.6	0.50
F14	08 Aug 2019	53	11.58	87.36	5.2	33.66	8.0	25.6	0.49
F14	08 Aug 2019	54	11.58	87.40	5.2	33.66	8.0	25.6	0.49
F14	08 Aug 2019	55	11.57	87.28	5.2	33.66	8.0	25.6	0.50
F14	08 Aug 2019	56	11.57	87.33	5.2	33.66	8.0	25.6	0.51
F14	08 Aug 2019	57	11.57	87.26	5.2	33.66	8.0	25.6	0.50
F14	08 Aug 2019	58	11.47	86.77	5.0	33.68	8.0	25.7	0.49
F14	08 Aug 2019	59	11.38	82.73	4.9	33.67	8.0	25.7	0.48
F14	08 Aug 2019	60	11.40	81.01	4.9	33.67	7.9	25.7	0.44
F14	08 Aug 2019	61	11.44	80.37	4.9	33.66	7.9	25.7	0.45
F15	09 Aug 2019	1	20.31	75.29	10.2	33.69	8.3	23.7	0.82
F15	09 Aug 2019	2	20.23	75.37	10.2	33.69	8.3	23.7	0.84
F15	09 Aug 2019	3	19.85	75.38	10.3	33.71	8.3	23.8	0.94
F15	09 Aug 2019	4	18.87	73.93	9.8	33.76	8.3	24.1	1.19
F15	09 Aug 2019	5	15.07	72.03	9.2	33.67	8.3	24.9	1.75
F15	09 Aug 2019	6	14.16	76.51	8.4	33.57	8.3	25.0	1.73
F15	09 Aug 2019	7	13.93	78.64	8.3	33.53	8.2	25.1	1.70
F15	09 Aug 2019	8	14.25	78.17	8.3	33.52	8.2	25.0	1.74
F15	09 Aug 2019	9	13.55	79.41	7.9	33.56	8.2	25.2	1.98
F15	09 Aug 2019	10	13.21	79.91	7.7	33.53	8.2	25.2	2.28
F15	09 Aug 2019	11	13.21	80.12	7.6	33.53	8.1	25.2	2.55
F15	09 Aug 2019	12	13.08	80.37	7.5	33.54	8.1	25.2	2.94
F15	09 Aug 2019	13	13.01	80.24	7.4	33.53	8.1	25.3	3.45
F15	09 Aug 2019	14	12.98	80.31	7.4	33.54	8.1	25.3	3.94
F15	09 Aug 2019	15	12.92	80.80	7.3	33.54	8.1	25.3	4.16
F15	09 Aug 2019	16	12.83	79.68	7.2	33.55	8.1	25.3	5.47
F15	09 Aug 2019	17	12.80	81.90	7.1	33.56	8.1	25.3	4.74
F15	09 Aug 2019	18	12.62	85.19	6.9	33.57	8.1	25.4	2.74

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	09 Aug 2019	19	12.37	86.22	6.7	33.61	8.1	25.4	1.88
F15	09 Aug 2019	20	12.32	86.63	6.5	33.61	8.0	25.4	1.60
F15	09 Aug 2019	21	12.31	86.66	6.5	33.61	8.0	25.5	1.56
F15	09 Aug 2019	22	12.30	86.76	6.5	33.61	8.0	25.5	1.52
F15	09 Aug 2019	23	12.27	86.83	6.4	33.62	8.0	25.5	1.52
F15	09 Aug 2019	24	12.22	86.95	6.3	33.63	8.0	25.5	1.45
F15	09 Aug 2019	25	12.06	87.31	6.2	33.64	8.0	25.5	1.28
F15	09 Aug 2019	26	12.05	87.31	6.1	33.64	8.0	25.5	1.16
F15	09 Aug 2019	27	12.01	87.38	6.0	33.65	8.0	25.5	1.14
F15	09 Aug 2019	28	11.93	87.40	5.9	33.65	8.0	25.6	1.16
F15	09 Aug 2019	29	11.81	87.48	5.8	33.66	8.0	25.6	1.04
F15	09 Aug 2019	30	11.71	87.66	5.6	33.67	8.0	25.6	0.97
F15	09 Aug 2019	31	11.66	87.68	5.5	33.67	7.9	25.6	0.90
F15	09 Aug 2019	32	11.64	87.80	5.5	33.67	7.9	25.6	0.83
F15	09 Aug 2019	33	11.64	87.75	5.5	33.67	7.9	25.6	0.85
F15	09 Aug 2019	34	11.62	87.70	5.4	33.67	7.9	25.6	0.82
F15	09 Aug 2019	35	11.60	87.69	5.4	33.67	7.9	25.6	0.79
F15	09 Aug 2019	36	11.60	87.70	5.4	33.67	7.9	25.6	0.76
F15	09 Aug 2019	37	11.54	87.62	5.3	33.69	7.9	25.7	0.70
F15	09 Aug 2019	38	11.51	87.54	5.2	33.69	7.9	25.7	0.65
F15	09 Aug 2019	39	11.42	87.51	5.1	33.70	7.9	25.7	0.59
F15	09 Aug 2019	40	11.41	87.49	5.1	33.69	7.9	25.7	0.57
F15	09 Aug 2019	41	11.40	87.48	5.1	33.69	7.9	25.7	0.59
F15	09 Aug 2019	42	11.40	87.46	5.1	33.69	7.9	25.7	0.57
F15	09 Aug 2019	43	11.39	87.47	5.1	33.70	7.9	25.7	0.56
F15	09 Aug 2019	44	11.36	87.40	5.0	33.70	7.9	25.7	0.54
F15	09 Aug 2019	45	11.37	87.40	5.1	33.69	7.9	25.7	0.55
F15	09 Aug 2019	46	11.35	87.41	5.0	33.70	7.9	25.7	0.55
F15	09 Aug 2019	47	11.35	87.36	5.0	33.70	7.9	25.7	0.54
F15	09 Aug 2019	48	11.34	87.39	5.0	33.70	7.8	25.7	0.53
F15	09 Aug 2019	49	11.31	87.47	5.0	33.70	7.8	25.7	0.53
F15	09 Aug 2019	50	11.28	87.45	5.0	33.70	7.8	25.7	0.53
F15	09 Aug 2019	51	11.28	87.42	5.0	33.70	7.8	25.7	0.53
F15	09 Aug 2019	52	11.27	87.41	5.0	33.70	7.8	25.7	0.53
F15	09 Aug 2019	53	11.24	87.39	5.0	33.70	7.8	25.7	0.52
F15	09 Aug 2019	54	11.23	87.44	4.9	33.70	7.8	25.7	0.51
F15	09 Aug 2019	55	11.19	87.39	4.9	33.70	7.8	25.7	0.48
F15	09 Aug 2019	56	11.16	87.41	4.8	33.71	7.8	25.7	0.47
F15	09 Aug 2019	57	11.15	87.35	4.8	33.71	7.8	25.7	0.46
F15	09 Aug 2019	58	11.14	87.46	4.8	33.71	7.8	25.7	0.45
F15	09 Aug 2019	59	11.14	87.37	4.8	33.71	7.8	25.7	0.46
F15	09 Aug 2019	60	11.12	87.47	4.8	33.71	7.8	25.7	0.46
F15	09 Aug 2019	61	11.11	87.43	4.8	33.71	7.8	25.8	0.46
F15	09 Aug 2019	62	11.11	87.46	4.8	33.71	7.8	25.8	0.45
F15	09 Aug 2019	63	11.10	87.51	4.8	33.71	7.8	25.8	0.45
F15	09 Aug 2019	64	11.07	87.54	4.8	33.72	7.8	25.8	0.44
F15	09 Aug 2019	65	11.06	87.59	4.8	33.72	7.8	25.8	0.43
F15	09 Aug 2019	66	11.05	87.60	4.7	33.72	7.8	25.8	0.43
F15	09 Aug 2019	67	11.02	87.54	4.7	33.72	7.8	25.8	0.43
F15	09 Aug 2019	68	10.98	87.55	4.7	33.73	7.8	25.8	0.41
F15	09 Aug 2019	69	10.96	87.61	4.6	33.73	7.8	25.8	0.41
F15	09 Aug 2019	70	10.93	87.25	4.6	33.74	7.8	25.8	0.40
F15	09 Aug 2019	71	10.92	87.15	4.6	33.74	7.8	25.8	0.40
F15	09 Aug 2019	72	10.91	87.15	4.6	33.74	7.8	25.8	0.39
F15	09 Aug 2019	73	10.90	87.16	4.5	33.74	7.8	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	09 Aug 2019	74	10.90	87.17	4.5	33.74	7.8	25.8	0.39
F15	09 Aug 2019	75	10.88	87.17	4.5	33.75	7.8	25.8	0.39
F15	09 Aug 2019	76	10.88	87.20	4.5	33.75	7.8	25.8	0.39
F15	09 Aug 2019	77	10.87	87.26	4.5	33.75	7.8	25.8	0.38
F15	09 Aug 2019	78	10.87	87.27	4.5	33.75	7.8	25.8	0.38
F15	09 Aug 2019	79	10.82	86.96	4.4	33.76	7.8	25.8	0.38
F15	09 Aug 2019	80	10.74	85.92	4.4	33.77	7.8	25.9	0.37
F15	09 Aug 2019	81	10.75	85.20	4.4	33.77	7.8	25.9	0.37
F15	09 Aug 2019	82	10.78	85.14	4.4	33.76	7.8	25.9	0.37
F16	09 Aug 2019	1	18.99	74.90	11.1	33.67	8.3	24.0	1.05
F16	09 Aug 2019	2	18.88	74.51	11.1	33.67	8.3	24.0	1.08
F16	09 Aug 2019	3	18.46	74.89	11.2	33.68	8.3	24.1	1.23
F16	09 Aug 2019	4	17.98	74.38	11.3	33.66	8.3	24.3	1.52
F16	09 Aug 2019	5	17.81	74.19	11.2	33.64	8.3	24.3	1.90
F16	09 Aug 2019	6	16.41	72.62	10.1	33.72	8.3	24.7	2.45
F16	09 Aug 2019	7	14.64	72.97	8.9	33.63	8.3	25.0	2.16
F16	09 Aug 2019	8	13.96	77.08	8.4	33.58	8.2	25.1	2.14
F16	09 Aug 2019	9	13.88	78.02	8.2	33.57	8.2	25.1	2.49
F16	09 Aug 2019	10	13.62	77.92	7.9	33.58	8.2	25.2	2.73
F16	09 Aug 2019	11	13.23	79.15	7.5	33.56	8.2	25.2	2.86
F16	09 Aug 2019	12	12.88	80.50	7.3	33.55	8.2	25.3	3.09
F16	09 Aug 2019	13	12.76	81.11	7.1	33.55	8.1	25.3	3.97
F16	09 Aug 2019	14	12.70	81.53	7.0	33.55	8.1	25.3	3.41
F16	09 Aug 2019	15	12.64	84.03	6.9	33.56	8.1	25.4	2.19
F16	09 Aug 2019	16	12.55	85.38	6.8	33.58	8.1	25.4	1.64
F16	09 Aug 2019	17	12.48	85.76	6.8	33.59	8.1	25.4	1.54
F16	09 Aug 2019	18	12.38	86.08	6.6	33.60	8.1	25.4	1.40
F16	09 Aug 2019	19	12.31	86.50	6.5	33.61	8.0	25.4	1.41
F16	09 Aug 2019	20	12.34	86.67	6.5	33.60	8.0	25.4	1.35
F16	09 Aug 2019	21	12.24	86.90	6.4	33.62	8.0	25.5	1.30
F16	09 Aug 2019	22	12.18	86.93	6.3	33.63	8.0	25.5	1.16
F16	09 Aug 2019	23	12.21	86.99	6.3	33.63	8.0	25.5	1.17
F16	09 Aug 2019	24	12.09	87.38	6.2	33.64	8.0	25.5	1.08
F16	09 Aug 2019	25	12.05	87.43	6.1	33.64	8.0	25.5	1.09
F16	09 Aug 2019	26	12.00	87.44	6.0	33.64	8.0	25.5	1.12
F16	09 Aug 2019	27	11.97	87.44	6.0	33.65	8.0	25.5	1.12
F16	09 Aug 2019	28	11.93	87.57	5.9	33.65	8.0	25.6	1.07
F16	09 Aug 2019	29	11.85	87.59	5.8	33.66	8.0	25.6	1.02
F16	09 Aug 2019	30	11.72	87.57	5.7	33.67	8.0	25.6	0.95
F16	09 Aug 2019	31	11.65	87.74	5.6	33.67	8.0	25.6	0.86
F16	09 Aug 2019	32	11.60	87.71	5.5	33.67	7.9	25.6	0.82
F16	09 Aug 2019	33	11.64	87.63	5.5	33.67	7.9	25.6	0.83
F16	09 Aug 2019	34	11.56	87.75	5.4	33.68	7.9	25.6	0.79
F16	09 Aug 2019	35	11.51	87.62	5.4	33.68	7.9	25.7	0.77
F16	09 Aug 2019	36	11.54	87.77	5.4	33.68	7.9	25.6	0.76
F16	09 Aug 2019	37	11.51	87.73	5.4	33.68	7.9	25.7	0.70
F16	09 Aug 2019	38	11.50	87.79	5.3	33.68	7.9	25.7	0.70
F16	09 Aug 2019	39	11.50	87.75	5.3	33.68	7.9	25.7	0.72
F16	09 Aug 2019	40	11.50	87.75	5.3	33.68	7.9	25.7	0.69
F16	09 Aug 2019	41	11.49	87.77	5.3	33.68	7.9	25.7	0.70
F16	09 Aug 2019	42	11.48	87.74	5.3	33.68	7.9	25.7	0.68
F16	09 Aug 2019	43	11.45	87.77	5.2	33.68	7.9	25.7	0.68
F16	09 Aug 2019	44	11.42	87.70	5.2	33.68	7.9	25.7	0.66
F16	09 Aug 2019	45	11.43	87.70	5.2	33.68	7.9	25.7	0.66

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F16	09 Aug 2019	46	11.35	87.67	5.1	33.69	7.9	25.7	0.61
F16	09 Aug 2019	47	11.32	87.67	5.1	33.69	7.9	25.7	0.58
F16	09 Aug 2019	48	11.27	87.65	5.0	33.70	7.9	25.7	0.55
F16	09 Aug 2019	49	11.26	87.54	5.0	33.70	7.9	25.7	0.55
F16	09 Aug 2019	50	11.27	87.49	5.0	33.69	7.9	25.7	0.53
F16	09 Aug 2019	51	11.24	87.58	5.0	33.70	7.8	25.7	0.53
F16	09 Aug 2019	52	11.23	87.59	5.0	33.70	7.8	25.7	0.52
F16	09 Aug 2019	53	11.22	87.63	4.9	33.70	7.8	25.7	0.51
F16	09 Aug 2019	54	11.22	87.59	4.9	33.70	7.8	25.7	0.52
F16	09 Aug 2019	55	11.22	87.64	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	56	11.21	87.63	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	57	11.21	87.59	4.9	33.70	7.8	25.7	0.51
F16	09 Aug 2019	58	11.21	87.60	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	59	11.21	87.57	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	60	11.21	87.58	4.9	33.70	7.8	25.7	0.49
F16	09 Aug 2019	61	11.21	87.58	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	62	11.21	87.61	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	63	11.21	87.59	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	64	11.21	87.53	4.9	33.70	7.8	25.7	0.52
F16	09 Aug 2019	65	11.21	87.57	4.9	33.70	7.8	25.7	0.51
F16	09 Aug 2019	66	11.19	87.56	4.9	33.70	7.8	25.7	0.50
F16	09 Aug 2019	67	11.11	87.22	4.8	33.71	7.8	25.8	0.48
F16	09 Aug 2019	68	11.09	86.47	4.8	33.71	7.8	25.8	0.46
F16	09 Aug 2019	69	11.08	86.37	4.7	33.71	7.8	25.8	0.45
F16	09 Aug 2019	70	11.07	86.29	4.7	33.71	7.8	25.8	0.45
F16	09 Aug 2019	71	11.04	86.05	4.7	33.72	7.8	25.8	0.44
F16	09 Aug 2019	72	11.00	85.51	4.6	33.73	7.8	25.8	0.43
F16	09 Aug 2019	73	10.93	85.34	4.5	33.74	7.8	25.8	0.42
F16	09 Aug 2019	74	10.93	85.20	4.5	33.74	7.8	25.8	0.41
F16	09 Aug 2019	75	10.87	85.33	4.5	33.75	7.8	25.8	0.41
F16	09 Aug 2019	76	10.84	85.65	4.5	33.75	7.8	25.8	0.39
F16	09 Aug 2019	77	10.82	85.94	4.4	33.76	7.8	25.8	0.39
F16	09 Aug 2019	78	10.75	85.78	4.4	33.77	7.8	25.9	0.38
F16	09 Aug 2019	79	10.76	85.61	4.4	33.77	7.8	25.9	0.39
F16	09 Aug 2019	80	10.66	85.18	4.3	33.79	7.8	25.9	0.39
F16	09 Aug 2019	81	10.62	84.86	4.2	33.79	7.8	25.9	0.37
F16	09 Aug 2019	82	10.65	84.52	4.2	33.79	7.8	25.9	0.37
F17	09 Aug 2019	1	18.38	76.03	10.0	33.65	8.2	24.1	0.93
F17	09 Aug 2019	2	18.35	76.39	10.0	33.64	8.2	24.1	0.96
F17	09 Aug 2019	3	18.44	76.51	10.0	33.64	8.2	24.1	0.97
F17	09 Aug 2019	4	18.33	76.60	10.0	33.64	8.2	24.1	0.99
F17	09 Aug 2019	5	18.23	76.73	9.4	33.66	8.2	24.2	1.03
F17	09 Aug 2019	6	15.65	75.83	9.2	33.76	8.2	24.9	1.43
F17	09 Aug 2019	7	14.73	75.83	8.9	33.55	8.2	24.9	1.83
F17	09 Aug 2019	8	13.99	78.63	8.1	33.65	8.2	25.1	2.03
F17	09 Aug 2019	9	12.99	80.23	7.6	33.54	8.2	25.3	2.53
F17	09 Aug 2019	10	13.12	80.35	7.5	33.52	8.1	25.2	3.00
F17	09 Aug 2019	11	12.83	80.90	7.4	33.54	8.1	25.3	3.08
F17	09 Aug 2019	12	12.80	82.50	7.3	33.53	8.1	25.3	2.49
F17	09 Aug 2019	13	12.80	84.15	7.3	33.54	8.1	25.3	2.18
F17	09 Aug 2019	14	12.77	84.42	7.2	33.55	8.1	25.3	1.94
F17	09 Aug 2019	15	12.66	84.84	7.1	33.56	8.1	25.3	1.98
F17	09 Aug 2019	16	12.53	85.28	6.9	33.58	8.1	25.4	1.72
F17	09 Aug 2019	17	12.52	85.50	6.8	33.58	8.0	25.4	1.52

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F17	09 Aug 2019	18	12.45	86.07	6.8	33.60	8.0	25.4	1.52
F17	09 Aug 2019	19	12.37	86.10	6.6	33.60	8.0	25.4	1.49
F17	09 Aug 2019	20	12.39	86.28	6.6	33.60	8.0	25.4	1.41
F17	09 Aug 2019	21	12.32	86.46	6.5	33.61	8.0	25.4	1.39
F17	09 Aug 2019	22	12.29	86.61	6.5	33.61	8.0	25.5	1.40
F17	09 Aug 2019	23	12.20	86.95	6.3	33.62	8.0	25.5	1.25
F17	09 Aug 2019	24	12.15	87.03	6.2	33.62	8.0	25.5	1.17
F17	09 Aug 2019	25	12.10	87.31	6.2	33.64	8.0	25.5	1.25
F17	09 Aug 2019	26	12.00	87.30	6.0	33.64	8.0	25.5	1.16
F17	09 Aug 2019	27	11.98	87.45	6.0	33.64	8.0	25.5	1.05
F17	09 Aug 2019	28	11.88	87.51	5.8	33.66	8.0	25.6	1.09
F17	09 Aug 2019	29	11.72	87.45	5.6	33.67	8.0	25.6	0.92
F17	09 Aug 2019	30	11.71	87.69	5.5	33.67	7.9	25.6	0.90
F17	09 Aug 2019	31	11.68	87.68	5.5	33.67	7.9	25.6	0.85
F17	09 Aug 2019	32	11.66	87.70	5.5	33.67	7.9	25.6	0.86
F17	09 Aug 2019	33	11.66	87.69	5.5	33.67	7.9	25.6	0.85
F17	09 Aug 2019	34	11.66	87.66	5.5	33.67	7.9	25.6	0.85
F17	09 Aug 2019	35	11.59	87.73	5.4	33.68	7.9	25.6	0.82
F17	09 Aug 2019	36	11.50	87.70	5.3	33.68	7.9	25.7	0.75
F17	09 Aug 2019	37	11.51	87.69	5.3	33.68	7.9	25.7	0.73
F17	09 Aug 2019	38	11.50	87.70	5.3	33.68	7.9	25.7	0.73
F17	09 Aug 2019	39	11.49	87.72	5.2	33.68	7.9	25.7	0.70
F17	09 Aug 2019	40	11.49	87.70	5.2	33.68	7.9	25.7	0.68
F17	09 Aug 2019	41	11.49	87.70	5.2	33.68	7.9	25.7	0.69
F17	09 Aug 2019	42	11.48	87.63	5.2	33.68	7.9	25.7	0.68
F17	09 Aug 2019	43	11.48	87.69	5.2	33.68	7.9	25.7	0.68
F17	09 Aug 2019	44	11.48	87.68	5.2	33.68	7.9	25.7	0.67
F17	09 Aug 2019	45	11.46	87.69	5.2	33.68	7.9	25.7	0.66
F17	09 Aug 2019	46	11.40	87.68	5.2	33.68	7.9	25.7	0.64
F17	09 Aug 2019	47	11.38	87.62	5.1	33.68	7.9	25.7	0.62
F17	09 Aug 2019	48	11.35	87.54	5.1	33.69	7.9	25.7	0.60
F17	09 Aug 2019	49	11.33	87.52	5.1	33.69	7.9	25.7	0.58
F17	09 Aug 2019	50	11.33	87.51	5.1	33.69	7.8	25.7	0.57
F17	09 Aug 2019	51	11.32	87.47	5.0	33.69	7.8	25.7	0.56
F17	09 Aug 2019	52	11.32	87.49	5.0	33.69	7.8	25.7	0.55
F17	09 Aug 2019	53	11.30	87.43	5.0	33.69	7.8	25.7	0.55
F17	09 Aug 2019	54	11.29	87.41	5.0	33.69	7.8	25.7	0.55
F17	09 Aug 2019	55	11.29	87.29	5.0	33.69	7.8	25.7	0.54
F17	09 Aug 2019	56	11.28	87.37	5.0	33.69	7.8	25.7	0.53
F17	09 Aug 2019	57	11.27	87.36	5.0	33.69	7.8	25.7	0.53
F17	09 Aug 2019	58	11.27	87.32	5.0	33.69	7.8	25.7	0.52
F17	09 Aug 2019	59	11.26	87.26	5.0	33.69	7.8	25.7	0.52
F17	09 Aug 2019	60	11.25	87.16	5.0	33.69	7.8	25.7	0.51
F17	09 Aug 2019	61	11.23	87.08	4.9	33.69	7.8	25.7	0.49
F17	09 Aug 2019	62	11.22	86.93	4.9	33.69	7.8	25.7	0.49
F17	09 Aug 2019	63	11.22	86.89	4.9	33.69	7.8	25.7	0.50
F17	09 Aug 2019	64	11.21	86.80	4.9	33.69	7.8	25.7	0.49
F17	09 Aug 2019	65	11.20	86.72	4.9	33.69	7.8	25.7	0.49
F17	09 Aug 2019	66	11.20	86.76	4.9	33.69	7.8	25.7	0.49
F17	09 Aug 2019	67	11.20	86.73	4.9	33.70	7.8	25.7	0.48
F17	09 Aug 2019	68	11.19	86.70	4.9	33.69	7.8	25.7	0.50
F17	09 Aug 2019	69	11.17	86.43	4.8	33.70	7.8	25.7	0.49
F17	09 Aug 2019	70	11.16	86.11	4.8	33.70	7.8	25.7	0.46
F17	09 Aug 2019	71	11.15	85.89	4.8	33.70	7.8	25.7	0.46
F17	09 Aug 2019	72	11.14	85.62	4.8	33.70	7.8	25.7	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F17	09 Aug 2019	73	11.11	85.03	4.7	33.71	7.8	25.7	0.44
F17	09 Aug 2019	74	11.05	84.61	4.7	33.72	7.8	25.8	0.42
F17	09 Aug 2019	75	11.04	84.39	4.6	33.72	7.8	25.8	0.42
F17	09 Aug 2019	76	11.01	84.36	4.6	33.72	7.8	25.8	0.41
F17	09 Aug 2019	77	10.97	84.02	4.5	33.73	7.8	25.8	0.41
F17	09 Aug 2019	78	10.96	83.95	4.5	33.73	7.8	25.8	0.40
F17	09 Aug 2019	79	10.87	84.02	4.5	33.75	7.8	25.8	0.39
F17	09 Aug 2019	80	10.90	83.87	4.4	33.74	7.8	25.8	0.39
F17	09 Aug 2019	81	10.76	83.02	4.3	33.77	7.8	25.9	0.38
F17	09 Aug 2019	82	10.71	82.63	4.2	33.77	7.8	25.9	0.37
F18	09 Aug 2019	1	17.31	76.74	9.3	33.62	8.2	24.4	0.89
F18	09 Aug 2019	2	16.98	77.06	9.2	33.60	8.2	24.4	0.92
F18	09 Aug 2019	3	16.24	77.65	9.1	33.64	8.2	24.6	0.98
F18	09 Aug 2019	4	15.83	77.35	9.0	33.60	8.2	24.7	1.12
F18	09 Aug 2019	5	15.10	77.02	8.9	33.58	8.2	24.9	1.44
F18	09 Aug 2019	6	14.89	76.92	8.9	33.58	8.2	24.9	1.63
F18	09 Aug 2019	7	14.75	77.04	8.8	33.58	8.2	24.9	1.80
F18	09 Aug 2019	8	14.37	76.85	8.7	33.59	8.1	25.0	2.02
F18	09 Aug 2019	9	14.25	77.70	8.6	33.55	8.1	25.0	2.19
F18	09 Aug 2019	10	13.58	77.63	8.1	33.59	8.1	25.2	2.78
F18	09 Aug 2019	11	13.00	77.19	7.7	33.56	8.1	25.3	3.48
F18	09 Aug 2019	12	12.98	78.67	7.5	33.55	8.1	25.3	3.69
F18	09 Aug 2019	13	12.81	80.08	7.3	33.56	8.1	25.3	3.72
F18	09 Aug 2019	14	12.76	80.34	7.1	33.56	8.1	25.3	3.95
F18	09 Aug 2019	15	12.73	80.63	7.1	33.56	8.1	25.3	4.35
F18	09 Aug 2019	16	12.73	80.82	7.0	33.56	8.0	25.3	4.69
F18	09 Aug 2019	17	12.68	82.23	7.0	33.57	8.0	25.3	3.77
F18	09 Aug 2019	18	12.64	83.68	6.9	33.57	8.0	25.4	3.04
F18	09 Aug 2019	19	12.60	84.56	6.9	33.58	8.0	25.4	2.44
F18	09 Aug 2019	20	12.63	85.27	6.9	33.58	8.0	25.4	2.22
F18	09 Aug 2019	21	12.50	85.69	6.8	33.60	8.0	25.4	1.91
F18	09 Aug 2019	22	12.37	86.15	6.6	33.61	8.0	25.4	1.66
F18	09 Aug 2019	23	12.28	86.50	6.5	33.60	8.0	25.5	1.47
F18	09 Aug 2019	24	12.29	86.58	6.4	33.61	8.0	25.5	1.47
F18	09 Aug 2019	25	12.05	86.79	6.2	33.63	8.0	25.5	1.33
F18	09 Aug 2019	26	12.00	86.91	6.1	33.63	8.0	25.5	1.35
F18	09 Aug 2019	27	11.89	87.11	6.0	33.64	8.0	25.6	1.24
F18	09 Aug 2019	28	11.85	87.13	5.9	33.64	8.0	25.6	1.18
F18	09 Aug 2019	29	11.83	87.32	5.8	33.65	8.0	25.6	1.13
F18	09 Aug 2019	30	11.80	87.40	5.7	33.65	7.9	25.6	1.10
F18	09 Aug 2019	31	11.79	87.45	5.7	33.65	7.9	25.6	1.05
F18	09 Aug 2019	32	11.79	87.55	5.7	33.66	7.9	25.6	1.02
F18	09 Aug 2019	33	11.79	87.53	5.7	33.66	7.9	25.6	1.02
F18	09 Aug 2019	34	11.78	87.50	5.7	33.66	7.9	25.6	1.02
F18	09 Aug 2019	35	11.78	87.52	5.7	33.66	7.9	25.6	1.01
F18	09 Aug 2019	36	11.76	87.57	5.6	33.66	7.9	25.6	1.02
F18	09 Aug 2019	37	11.71	87.45	5.6	33.66	7.9	25.6	0.98
F18	09 Aug 2019	38	11.68	87.56	5.5	33.67	7.9	25.6	0.93
F18	09 Aug 2019	39	11.65	87.64	5.5	33.67	7.9	25.6	0.89
F18	09 Aug 2019	40	11.63	87.74	5.4	33.67	7.9	25.6	0.86
F18	09 Aug 2019	41	11.62	87.74	5.4	33.67	7.9	25.6	0.84
F18	09 Aug 2019	42	11.61	87.75	5.4	33.67	7.9	25.6	0.85
F18	09 Aug 2019	43	11.57	87.74	5.3	33.67	7.9	25.6	0.81
F18	09 Aug 2019	44	11.55	87.76	5.3	33.67	7.9	25.6	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F18	09 Aug 2019	45	11.52	87.76	5.3	33.68	7.9	25.7	0.79
F18	09 Aug 2019	46	11.42	87.75	5.2	33.68	7.9	25.7	0.72
F18	09 Aug 2019	47	11.41	87.74	5.2	33.68	7.9	25.7	0.67
F18	09 Aug 2019	48	11.42	87.75	5.2	33.68	7.9	25.7	0.70
F18	09 Aug 2019	49	11.41	87.76	5.1	33.68	7.9	25.7	0.65
F18	09 Aug 2019	50	11.39	87.77	5.1	33.68	7.9	25.7	0.62
F18	09 Aug 2019	51	11.38	87.73	5.1	33.68	7.8	25.7	0.60
F18	09 Aug 2019	52	11.37	87.73	5.1	33.68	7.8	25.7	0.61
F18	09 Aug 2019	53	11.36	87.77	5.1	33.68	7.8	25.7	0.60
F18	09 Aug 2019	54	11.36	87.67	5.1	33.68	7.8	25.7	0.61
F18	09 Aug 2019	55	11.36	87.76	5.1	33.68	7.8	25.7	0.61
F18	09 Aug 2019	56	11.33	87.74	5.1	33.69	7.8	25.7	0.58
F18	09 Aug 2019	57	11.31	87.75	5.0	33.69	7.8	25.7	0.57
F18	09 Aug 2019	58	11.29	87.72	5.0	33.69	7.8	25.7	0.55
F18	09 Aug 2019	59	11.27	87.72	5.0	33.69	7.8	25.7	0.53
F18	09 Aug 2019	60	11.22	87.66	5.0	33.70	7.8	25.7	0.51
F18	09 Aug 2019	61	11.20	87.63	4.9	33.70	7.8	25.7	0.51
F18	09 Aug 2019	62	11.19	87.56	4.9	33.70	7.8	25.7	0.49
F18	09 Aug 2019	63	11.19	87.59	4.9	33.70	7.8	25.7	0.49
F18	09 Aug 2019	64	11.19	87.54	4.9	33.70	7.8	25.7	0.48
F18	09 Aug 2019	65	11.19	87.59	4.9	33.70	7.8	25.7	0.48
F18	09 Aug 2019	66	11.19	87.62	4.9	33.70	7.8	25.7	0.47
F18	09 Aug 2019	67	11.18	87.59	4.9	33.70	7.8	25.7	0.47
F18	09 Aug 2019	68	11.18	87.64	4.9	33.70	7.8	25.7	0.49
F18	09 Aug 2019	69	11.17	87.58	4.9	33.70	7.8	25.7	0.46
F18	09 Aug 2019	70	11.16	87.16	4.8	33.70	7.8	25.7	0.46
F18	09 Aug 2019	71	11.16	87.04	4.8	33.70	7.8	25.7	0.46
F18	09 Aug 2019	72	11.16	86.85	4.8	33.70	7.8	25.7	0.47
F18	09 Aug 2019	73	11.16	86.84	4.8	33.70	7.8	25.7	0.46
F18	09 Aug 2019	74	11.16	86.85	4.8	33.70	7.8	25.7	0.46
F18	09 Aug 2019	75	11.16	86.82	4.8	33.70	7.8	25.7	0.47
F18	09 Aug 2019	76	11.15	86.83	4.8	33.70	7.8	25.7	0.45
F18	09 Aug 2019	77	11.15	86.81	4.8	33.70	7.8	25.7	0.45
F18	09 Aug 2019	78	11.15	86.75	4.8	33.70	7.8	25.7	0.47
F18	09 Aug 2019	79	11.14	86.68	4.8	33.70	7.8	25.7	0.46
F18	09 Aug 2019	80	11.12	86.42	4.8	33.70	7.8	25.7	0.45
F18	09 Aug 2019	81	11.10	85.98	4.7	33.70	7.8	25.7	0.44
F18	09 Aug 2019	82	11.06	84.92	4.7	33.71	7.8	25.8	0.43
F19	09 Aug 2019	1	17.50	75.43	9.7	33.62	8.2	24.3	0.84
F19	09 Aug 2019	2	16.75	75.56	9.7	33.66	8.2	24.5	0.95
F19	09 Aug 2019	3	16.32	74.86	9.7	33.62	8.2	24.6	1.26
F19	09 Aug 2019	4	15.88	73.37	9.9	33.61	8.2	24.7	1.94
F19	09 Aug 2019	5	15.53	70.78	10.1	33.61	8.2	24.8	3.15
F19	09 Aug 2019	6	15.35	68.26	10.0	33.60	8.2	24.8	5.18
F19	09 Aug 2019	7	14.87	65.36	9.6	33.62	8.2	24.9	7.82
F19	09 Aug 2019	8	14.29	71.11	8.8	33.60	8.2	25.0	7.09
F19	09 Aug 2019	9	13.86	73.78	8.1	33.60	8.2	25.1	6.54
F19	09 Aug 2019	10	13.60	73.87	7.6	33.59	8.1	25.2	6.86
F19	09 Aug 2019	11	13.38	74.67	7.5	33.59	8.1	25.2	6.82
F19	09 Aug 2019	12	13.28	76.35	7.5	33.57	8.1	25.2	6.28
F19	09 Aug 2019	13	13.01	78.03	7.1	33.59	8.1	25.3	5.41
F19	09 Aug 2019	14	12.97	79.45	6.8	33.59	8.1	25.3	4.42
F19	09 Aug 2019	15	12.92	80.75	6.7	33.59	8.0	25.3	3.60
F19	09 Aug 2019	16	12.91	82.45	6.7	33.60	8.0	25.3	2.98

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	09 Aug 2019	17	12.67	83.62	6.7	33.60	8.0	25.4	2.42
F19	09 Aug 2019	18	12.52	84.88	6.8	33.59	8.0	25.4	2.09
F19	09 Aug 2019	19	12.46	84.97	6.7	33.59	8.0	25.4	1.89
F19	09 Aug 2019	20	12.43	85.37	6.6	33.60	8.0	25.4	1.73
F19	09 Aug 2019	21	12.40	85.52	6.5	33.60	8.0	25.4	1.63
F19	09 Aug 2019	22	12.40	85.52	6.5	33.60	8.0	25.4	1.68
F19	09 Aug 2019	23	12.38	85.54	6.5	33.60	8.0	25.4	1.53
F19	09 Aug 2019	24	12.38	85.67	6.6	33.60	8.0	25.4	1.57
F19	09 Aug 2019	25	12.34	85.78	6.5	33.60	8.0	25.4	1.62
F19	09 Aug 2019	26	12.30	85.91	6.5	33.60	8.0	25.4	1.57
F19	09 Aug 2019	27	12.24	86.08	6.4	33.61	8.0	25.5	1.40
F19	09 Aug 2019	28	12.23	86.23	6.4	33.61	8.0	25.5	1.37
F19	09 Aug 2019	29	12.19	86.29	6.3	33.61	8.0	25.5	1.39
F19	09 Aug 2019	30	12.10	86.44	6.3	33.62	8.0	25.5	1.33
F19	09 Aug 2019	31	12.10	86.59	6.2	33.61	8.0	25.5	1.32
F19	09 Aug 2019	32	11.96	86.92	6.1	33.63	8.0	25.5	1.21
F19	09 Aug 2019	33	11.92	86.84	6.0	33.63	7.9	25.5	1.14
F19	09 Aug 2019	34	11.89	87.03	6.0	33.63	7.9	25.5	1.14
F19	09 Aug 2019	35	11.86	87.15	5.9	33.64	7.9	25.6	1.08
F19	09 Aug 2019	36	11.81	87.16	5.8	33.64	7.9	25.6	1.07
F19	09 Aug 2019	37	11.78	87.29	5.8	33.64	7.9	25.6	1.07
F19	09 Aug 2019	38	11.76	87.26	5.8	33.64	7.9	25.6	1.07
F19	09 Aug 2019	39	11.73	87.26	5.8	33.65	7.9	25.6	1.07
F19	09 Aug 2019	40	11.66	87.31	5.7	33.65	7.9	25.6	1.03
F19	09 Aug 2019	41	11.65	87.36	5.6	33.65	7.9	25.6	1.00
F19	09 Aug 2019	42	11.63	87.38	5.6	33.66	7.9	25.6	0.98
F19	09 Aug 2019	43	11.57	87.37	5.5	33.66	7.9	25.6	0.92
F19	09 Aug 2019	44	11.53	87.43	5.4	33.67	7.9	25.6	0.90
F19	09 Aug 2019	45	11.52	87.49	5.4	33.66	7.9	25.6	0.84
F19	09 Aug 2019	46	11.45	87.60	5.3	33.67	7.9	25.7	0.77
F19	09 Aug 2019	47	11.43	87.57	5.2	33.67	7.9	25.7	0.71
F19	09 Aug 2019	48	11.41	87.57	5.2	33.68	7.9	25.7	0.67
F19	09 Aug 2019	49	11.38	87.60	5.2	33.68	7.9	25.7	0.64
F19	09 Aug 2019	50	11.37	87.63	5.1	33.68	7.9	25.7	0.62
F19	09 Aug 2019	51	11.36	87.70	5.1	33.68	7.9	25.7	0.60
F19	09 Aug 2019	52	11.36	87.76	5.1	33.68	7.8	25.7	0.59
F19	09 Aug 2019	53	11.35	87.72	5.1	33.68	7.8	25.7	0.58
F19	09 Aug 2019	54	11.34	87.75	5.1	33.68	7.8	25.7	0.57
F19	09 Aug 2019	55	11.34	87.75	5.1	33.69	7.8	25.7	0.56
F19	09 Aug 2019	56	11.34	87.71	5.1	33.69	7.8	25.7	0.54
F19	09 Aug 2019	57	11.33	87.80	5.1	33.69	7.8	25.7	0.54
F19	09 Aug 2019	58	11.33	87.75	5.0	33.69	7.8	25.7	0.54
F19	09 Aug 2019	59	11.32	87.64	5.0	33.69	7.8	25.7	0.53
F19	09 Aug 2019	60	11.33	87.76	5.0	33.69	7.8	25.7	0.53
F19	09 Aug 2019	61	11.32	87.75	5.0	33.69	7.8	25.7	0.51
F19	09 Aug 2019	62	11.31	87.69	5.0	33.69	7.8	25.7	0.51
F19	09 Aug 2019	63	11.31	87.81	5.0	33.69	7.8	25.7	0.52
F19	09 Aug 2019	64	11.30	87.73	5.0	33.69	7.8	25.7	0.49
F19	09 Aug 2019	65	11.26	87.80	5.0	33.70	7.8	25.7	0.47
F19	09 Aug 2019	66	11.17	87.77	4.9	33.71	7.8	25.7	0.45
F19	09 Aug 2019	67	11.12	87.64	4.8	33.71	7.8	25.7	0.43
F19	09 Aug 2019	68	11.10	87.38	4.8	33.70	7.8	25.7	0.41
F19	09 Aug 2019	69	11.10	87.22	4.8	33.70	7.8	25.7	0.39
F19	09 Aug 2019	70	11.10	87.20	4.8	33.70	7.8	25.7	0.39
F19	09 Aug 2019	71	11.09	86.60	4.7	33.71	7.8	25.8	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F19	09 Aug 2019	72	11.09	86.31	4.7	33.71	7.8	25.8	0.40
F19	09 Aug 2019	73	11.09	84.99	4.7	33.71	7.8	25.8	0.40
F19	09 Aug 2019	74	11.00	83.65	4.6	33.72	7.8	25.8	0.39
F19	09 Aug 2019	75	10.95	83.24	4.5	33.73	7.8	25.8	0.38
F19	09 Aug 2019	76	10.87	82.22	4.3	33.74	7.8	25.8	0.37
F19	09 Aug 2019	77	10.88	81.25	4.3	33.74	7.8	25.8	0.36
F19	09 Aug 2019	78	10.85	81.02	4.3	33.75	7.8	25.8	0.36
F19	09 Aug 2019	79	10.85	81.17	4.3	33.74	7.8	25.8	0.36
F19	09 Aug 2019	80	10.83	81.28	4.3	33.75	7.8	25.8	0.35
F19	09 Aug 2019	81	10.78	80.84	4.2	33.76	7.8	25.8	0.35
F19	09 Aug 2019	82	10.78	80.31	4.2	33.76	7.8	25.8	0.35
F19	09 Aug 2019	83	10.79	80.16	4.2	33.76	7.8	25.8	0.34
F20	09 Aug 2019	1	17.68	73.52	10.2	33.66	8.2	24.3	1.44
F20	09 Aug 2019	2	17.44	73.22	10.4	33.64	8.2	24.4	1.82
F20	09 Aug 2019	3	17.31	72.63	10.4	33.64	8.2	24.4	2.07
F20	09 Aug 2019	4	17.05	72.33	10.2	33.65	8.2	24.5	2.59
F20	09 Aug 2019	5	16.10	71.87	10.1	33.68	8.2	24.7	4.02
F20	09 Aug 2019	6	16.00	70.24	10.1	33.57	8.2	24.6	4.37
F20	09 Aug 2019	7	16.10	70.36	9.9	33.62	8.2	24.7	4.07
F20	09 Aug 2019	8	15.45	69.71	9.2	33.68	8.2	24.9	4.62
F20	09 Aug 2019	9	14.06	70.19	8.6	33.62	8.2	25.1	5.38
F20	09 Aug 2019	10	13.94	72.81	8.4	33.59	8.2	25.1	5.44
F20	09 Aug 2019	11	14.00	74.18	8.3	33.58	8.2	25.1	5.33
F20	09 Aug 2019	12	13.88	74.94	8.2	33.58	8.1	25.1	5.45
F20	09 Aug 2019	13	13.79	75.27	8.0	33.59	8.1	25.1	5.18
F20	09 Aug 2019	14	13.62	75.79	7.5	33.59	8.1	25.2	5.38
F20	09 Aug 2019	15	13.60	75.80	7.2	33.59	8.1	25.2	5.52
F20	09 Aug 2019	16	13.45	76.07	6.8	33.61	8.1	25.2	5.41
F20	09 Aug 2019	17	13.16	77.83	6.3	33.61	8.1	25.3	4.82
F20	09 Aug 2019	18	12.97	79.09	6.0	33.61	8.0	25.3	4.49
F20	09 Aug 2019	19	12.79	80.60	6.0	33.60	8.0	25.4	3.94
F20	09 Aug 2019	20	12.74	80.32	6.2	33.60	8.0	25.4	3.70
F20	09 Aug 2019	21	12.58	83.34	6.3	33.60	8.0	25.4	2.69
F20	09 Aug 2019	22	12.51	83.49	6.2	33.60	8.0	25.4	2.83
F20	09 Aug 2019	23	12.51	83.22	6.1	33.60	8.0	25.4	2.83
F20	09 Aug 2019	24	12.44	83.26	5.8	33.61	8.0	25.4	2.70
F20	09 Aug 2019	25	12.42	83.23	5.7	33.61	8.0	25.4	2.70
F20	09 Aug 2019	26	12.39	82.54	5.7	33.61	7.9	25.4	3.48
F20	09 Aug 2019	27	12.32	80.06	5.8	33.61	7.9	25.5	5.34
F20	09 Aug 2019	28	12.28	84.73	5.8	33.62	7.9	25.5	4.31
F20	09 Aug 2019	29	12.24	86.36	5.8	33.62	7.9	25.5	1.83
F20	09 Aug 2019	30	12.22	86.40	5.8	33.62	7.9	25.5	1.24
F20	09 Aug 2019	31	12.11	86.45	6.0	33.63	7.9	25.5	1.13
F20	09 Aug 2019	32	12.10	86.78	6.0	33.62	7.9	25.5	1.14
F20	09 Aug 2019	33	11.95	86.91	6.0	33.63	7.9	25.5	1.21
F20	09 Aug 2019	34	11.90	87.06	6.0	33.63	7.9	25.5	1.17
F20	09 Aug 2019	35	11.85	86.97	5.9	33.64	7.9	25.6	1.10
F20	09 Aug 2019	36	11.78	87.11	5.8	33.65	7.9	25.6	1.11
F20	09 Aug 2019	37	11.70	87.16	5.7	33.65	7.9	25.6	1.08
F20	09 Aug 2019	38	11.66	87.23	5.6	33.65	7.9	25.6	1.04
F20	09 Aug 2019	39	11.66	87.28	5.6	33.66	7.9	25.6	1.01
F20	09 Aug 2019	40	11.59	87.30	5.5	33.66	7.9	25.6	0.98
F20	09 Aug 2019	41	11.57	87.43	5.5	33.66	7.9	25.6	0.93
F20	09 Aug 2019	42	11.54	87.44	5.4	33.67	7.9	25.6	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F20	09 Aug 2019	43	11.49	87.55	5.3	33.68	7.9	25.7	0.81
F20	09 Aug 2019	44	11.43	87.48	5.2	33.68	7.9	25.7	0.73
F20	09 Aug 2019	45	11.39	87.61	5.2	33.68	7.9	25.7	0.67
F20	09 Aug 2019	46	11.39	87.68	5.2	33.68	7.9	25.7	0.64
F20	09 Aug 2019	47	11.35	87.69	5.1	33.69	7.9	25.7	0.63
F20	09 Aug 2019	48	11.34	87.68	5.1	33.69	7.9	25.7	0.59
F20	09 Aug 2019	49	11.33	87.77	5.1	33.69	7.9	25.7	0.58
F20	09 Aug 2019	50	11.32	87.72	5.1	33.68	7.8	25.7	0.57
F20	09 Aug 2019	51	11.31	87.68	5.1	33.69	7.8	25.7	0.55
F20	09 Aug 2019	52	11.29	87.73	5.1	33.69	7.8	25.7	0.55
F20	09 Aug 2019	53	11.28	87.67	5.0	33.69	7.8	25.7	0.54
F20	09 Aug 2019	54	11.28	87.73	5.0	33.69	7.8	25.7	0.52
F20	09 Aug 2019	55	11.28	87.69	5.0	33.69	7.8	25.7	0.52
F20	09 Aug 2019	56	11.27	86.94	5.0	33.69	7.8	25.7	0.50
F20	09 Aug 2019	57	11.27	87.71	5.0	33.69	7.8	25.7	0.52
F20	09 Aug 2019	58	11.25	87.74	5.0	33.69	7.8	25.7	0.50
F20	09 Aug 2019	59	11.25	87.72	5.0	33.69	7.8	25.7	0.49
F20	09 Aug 2019	60	11.22	87.69	4.9	33.69	7.8	25.7	0.48
F20	09 Aug 2019	61	11.19	87.59	4.9	33.69	7.8	25.7	0.45
F20	09 Aug 2019	62	11.18	87.53	4.9	33.69	7.8	25.7	0.44
F20	09 Aug 2019	63	11.17	87.39	4.9	33.70	7.8	25.7	0.43
F20	09 Aug 2019	64	11.16	86.97	4.8	33.70	7.8	25.7	0.45
F20	09 Aug 2019	65	11.16	86.64	4.8	33.70	7.8	25.7	0.44
F20	09 Aug 2019	66	11.16	86.39	4.8	33.70	7.8	25.7	0.45
F20	09 Aug 2019	67	11.15	86.24	4.8	33.70	7.8	25.7	0.46
F20	09 Aug 2019	68	11.15	86.07	4.8	33.70	7.8	25.7	0.44
F20	09 Aug 2019	69	11.12	85.62	4.7	33.70	7.8	25.7	0.43
F20	09 Aug 2019	70	11.10	84.81	4.7	33.70	7.8	25.7	0.43
F20	09 Aug 2019	71	11.10	84.81	4.7	33.71	7.8	25.7	0.43
F20	09 Aug 2019	72	11.08	84.65	4.6	33.71	7.8	25.8	0.42
F20	09 Aug 2019	73	11.06	83.91	4.5	33.71	7.8	25.8	0.42
F20	09 Aug 2019	74	11.01	82.63	4.5	33.72	7.8	25.8	0.40
F20	09 Aug 2019	75	10.99	81.67	4.4	33.72	7.8	25.8	0.39
F20	09 Aug 2019	76	11.00	81.20	4.4	33.72	7.8	25.8	0.39
F20	09 Aug 2019	77	10.96	81.33	4.3	33.73	7.8	25.8	0.38
F20	09 Aug 2019	78	10.96	81.83	4.4	33.73	7.8	25.8	0.38
F20	09 Aug 2019	79	10.93	82.13	4.4	33.73	7.8	25.8	0.39
F20	09 Aug 2019	80	10.93	82.27	4.4	33.73	7.8	25.8	0.38
F20	09 Aug 2019	81	10.91	82.52	4.4	33.74	7.8	25.8	0.37
F20	09 Aug 2019	82	10.84	82.73	4.3	33.75	7.8	25.8	0.37
F20	09 Aug 2019	83	10.83	82.31	4.3	33.75	7.8	25.8	0.36
F21	09 Aug 2019	1	19.08	71.69	9.9	33.67	8.2	24.0	1.43
F21	09 Aug 2019	2	19.01	72.31	9.9	33.67	8.2	24.0	1.55
F21	09 Aug 2019	3	18.96	72.21	9.9	33.67	8.2	24.0	1.73
F21	09 Aug 2019	4	18.41	72.49	9.8	33.72	8.2	24.2	1.95
F21	09 Aug 2019	5	17.24	72.40	9.4	33.64	8.2	24.4	2.57
F21	09 Aug 2019	6	14.60	73.95	8.4	33.74	8.2	25.1	3.03
F21	09 Aug 2019	7	13.69	75.43	7.9	33.59	8.2	25.2	3.73
F21	09 Aug 2019	8	13.77	76.15	7.7	33.56	8.2	25.1	4.19
F21	09 Aug 2019	9	13.39	76.99	7.2	33.58	8.1	25.2	4.28
F21	09 Aug 2019	10	13.36	77.02	7.0	33.57	8.1	25.2	4.46
F21	09 Aug 2019	11	13.44	76.85	7.0	33.57	8.1	25.2	4.55
F21	09 Aug 2019	12	13.32	76.68	7.0	33.58	8.1	25.2	4.87
F21	09 Aug 2019	13	13.33	76.89	6.9	33.59	8.1	25.2	5.15

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F21	09 Aug 2019	14	13.12	77.36	6.6	33.60	8.1	25.3	5.11
F21	09 Aug 2019	15	13.02	78.25	6.4	33.59	8.0	25.3	5.26
F21	09 Aug 2019	16	12.77	80.13	6.2	33.61	8.0	25.4	4.54
F21	09 Aug 2019	17	12.63	81.11	5.9	33.60	8.0	25.4	3.82
F21	09 Aug 2019	18	12.51	82.08	5.7	33.61	8.0	25.4	3.30
F21	09 Aug 2019	19	12.45	82.87	5.6	33.61	8.0	25.4	2.72
F21	09 Aug 2019	20	12.30	83.92	5.5	33.62	8.0	25.5	2.30
F21	09 Aug 2019	21	12.22	84.63	5.4	33.62	8.0	25.5	2.15
F21	09 Aug 2019	22	12.15	84.40	5.4	33.62	7.9	25.5	2.26
F21	09 Aug 2019	23	12.11	84.06	5.4	33.63	7.9	25.5	3.34
F21	09 Aug 2019	24	12.06	83.07	5.6	33.63	7.9	25.5	3.62
F21	09 Aug 2019	25	12.02	87.08	5.8	33.63	7.9	25.5	1.49
F21	09 Aug 2019	26	11.96	87.15	5.8	33.64	7.9	25.5	0.97
F21	09 Aug 2019	27	11.93	87.30	5.7	33.64	7.9	25.5	0.87
F21	09 Aug 2019	28	11.93	87.19	5.6	33.64	7.9	25.5	0.71
F21	09 Aug 2019	29	11.91	87.08	5.6	33.64	7.9	25.6	0.73
F21	09 Aug 2019	30	11.90	87.24	5.5	33.64	7.9	25.6	0.64
F21	09 Aug 2019	31	11.88	87.13	5.5	33.64	7.9	25.6	0.66
F21	09 Aug 2019	32	11.88	87.18	5.5	33.64	7.9	25.6	0.59
F21	09 Aug 2019	33	11.82	87.29	5.4	33.65	7.9	25.6	0.62
F21	09 Aug 2019	34	11.80	87.18	5.4	33.65	7.9	25.6	0.60
F21	09 Aug 2019	35	11.78	87.13	5.4	33.65	7.9	25.6	0.61
F21	09 Aug 2019	36	11.77	86.96	5.4	33.65	7.9	25.6	0.61
F21	09 Aug 2019	37	11.74	87.15	5.4	33.65	7.9	25.6	0.60
F21	09 Aug 2019	38	11.71	87.20	5.4	33.65	7.9	25.6	0.59
F21	09 Aug 2019	39	11.68	87.18	5.4	33.65	7.9	25.6	0.64
F21	09 Aug 2019	40	11.65	87.20	5.3	33.66	7.9	25.6	0.63
F21	09 Aug 2019	41	11.64	86.84	5.3	33.66	7.9	25.6	0.60
F21	09 Aug 2019	42	11.64	87.08	5.3	33.66	7.9	25.6	0.60
F21	09 Aug 2019	43	11.63	87.08	5.3	33.66	7.9	25.6	0.61
F21	09 Aug 2019	44	11.61	87.08	5.3	33.66	7.9	25.6	0.62
F21	09 Aug 2019	45	11.58	86.80	5.3	33.66	7.9	25.6	0.64
F21	09 Aug 2019	46	11.58	86.99	5.3	33.66	7.9	25.6	0.63
F21	09 Aug 2019	47	11.52	86.98	5.3	33.66	7.9	25.6	0.64
F21	09 Aug 2019	48	11.50	86.96	5.2	33.67	7.9	25.6	0.62
F21	09 Aug 2019	49	11.42	86.98	5.2	33.67	7.9	25.7	0.63
F21	09 Aug 2019	50	11.43	87.01	5.2	33.67	7.8	25.7	0.62
F21	09 Aug 2019	51	11.41	87.06	5.2	33.68	7.8	25.7	0.60
F21	09 Aug 2019	52	11.38	87.08	5.2	33.68	7.8	25.7	0.56
F21	09 Aug 2019	53	11.37	86.98	5.1	33.67	7.8	25.7	0.57
F21	09 Aug 2019	54	11.36	87.00	5.1	33.68	7.8	25.7	0.57
F21	09 Aug 2019	55	11.34	87.10	5.1	33.68	7.8	25.7	0.56
F21	09 Aug 2019	56	11.32	87.08	5.1	33.68	7.8	25.7	0.52
F21	09 Aug 2019	57	11.32	87.15	5.1	33.68	7.8	25.7	0.55
F21	09 Aug 2019	58	11.31	87.14	5.1	33.68	7.8	25.7	0.52
F21	09 Aug 2019	59	11.31	87.15	5.1	33.68	7.8	25.7	0.53
F21	09 Aug 2019	60	11.30	87.24	5.1	33.68	7.8	25.7	0.51
F21	09 Aug 2019	61	11.30	87.25	5.1	33.68	7.8	25.7	0.50
F21	09 Aug 2019	62	11.29	87.40	5.0	33.68	7.8	25.7	0.50
F21	09 Aug 2019	63	11.24	87.53	5.0	33.69	7.8	25.7	0.48
F21	09 Aug 2019	64	11.17	87.44	5.0	33.70	7.8	25.7	0.45
F21	09 Aug 2019	65	11.20	87.42	4.9	33.69	7.8	25.7	0.45
F21	09 Aug 2019	66	11.14	87.16	4.9	33.70	7.8	25.7	0.44
F21	09 Aug 2019	67	11.11	86.90	4.8	33.71	7.8	25.7	0.42
F21	09 Aug 2019	68	11.08	86.69	4.8	33.71	7.8	25.8	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F21	09 Aug 2019	69	11.08	86.30	4.8	33.71	7.8	25.8	0.40
F21	09 Aug 2019	70	11.04	86.13	4.7	33.72	7.8	25.8	0.40
F21	09 Aug 2019	71	11.03	86.08	4.7	33.72	7.8	25.8	0.38
F21	09 Aug 2019	72	11.02	86.15	4.6	33.72	7.8	25.8	0.38
F21	09 Aug 2019	73	11.03	86.23	4.6	33.72	7.8	25.8	0.39
F21	09 Aug 2019	74	11.01	86.08	4.6	33.72	7.8	25.8	0.37
F21	09 Aug 2019	75	11.00	86.13	4.6	33.72	7.8	25.8	0.37
F21	09 Aug 2019	76	11.00	86.12	4.6	33.72	7.8	25.8	0.37
F21	09 Aug 2019	77	10.98	86.10	4.6	33.73	7.8	25.8	0.37
F21	09 Aug 2019	78	10.95	85.90	4.5	33.73	7.8	25.8	0.35
F21	09 Aug 2019	79	10.92	85.70	4.5	33.73	7.8	25.8	0.35
F21	09 Aug 2019	80	10.91	85.45	4.4	33.74	7.8	25.8	0.35
F21	09 Aug 2019	81	10.86	84.76	4.3	33.75	7.8	25.8	0.33
F21	09 Aug 2019	82	10.84	82.63	4.3	33.74	7.8	25.8	0.34
F21	09 Aug 2019	83	10.82	81.49	4.2	33.75	7.8	25.8	0.33
F21	09 Aug 2019	84	10.84	80.66	4.2	33.75	7.8	25.8	0.34
F22	09 Aug 2019	1	19.47	71.82	10.0	33.66	8.2	23.9	1.52
F22	09 Aug 2019	2	19.39	73.19	9.7	33.69	8.2	23.9	1.64
F22	09 Aug 2019	3	15.98	69.78	10.1	33.78	8.2	24.8	3.50
F22	09 Aug 2019	4	14.45	70.94	8.7	33.66	8.2	25.1	4.20
F22	09 Aug 2019	5	13.40	75.05	7.5	33.58	8.2	25.2	4.05
F22	09 Aug 2019	6	13.17	76.70	7.2	33.57	8.2	25.3	3.76
F22	09 Aug 2019	7	13.12	78.96	7.0	33.56	8.1	25.3	3.72
F22	09 Aug 2019	8	12.90	80.03	6.8	33.58	8.1	25.3	3.65
F22	09 Aug 2019	9	12.88	80.12	6.7	33.57	8.1	25.3	3.66
F22	09 Aug 2019	10	12.80	81.55	6.5	33.59	8.1	25.3	3.46
F22	09 Aug 2019	11	12.68	82.06	6.4	33.59	8.0	25.4	3.21
F22	09 Aug 2019	12	12.67	82.90	6.3	33.60	8.0	25.4	2.92
F22	09 Aug 2019	13	12.61	83.29	6.2	33.60	8.0	25.4	2.62
F22	09 Aug 2019	14	12.59	83.18	6.1	33.60	8.0	25.4	2.69
F22	09 Aug 2019	15	12.55	82.66	6.0	33.60	8.0	25.4	2.87
F22	09 Aug 2019	16	12.53	82.78	5.9	33.61	8.0	25.4	2.96
F22	09 Aug 2019	17	12.35	83.03	5.6	33.62	8.0	25.5	3.06
F22	09 Aug 2019	18	12.29	82.34	5.4	33.62	8.0	25.5	3.34
F22	09 Aug 2019	19	12.26	84.50	5.3	33.63	7.9	25.5	2.52
F22	09 Aug 2019	20	12.20	85.60	5.3	33.62	7.9	25.5	1.71
F22	09 Aug 2019	21	12.13	86.08	5.4	33.63	7.9	25.5	1.32
F22	09 Aug 2019	22	12.11	87.11	5.4	33.63	7.9	25.5	0.80
F22	09 Aug 2019	23	12.12	87.35	5.4	33.63	7.9	25.5	0.82
F22	09 Aug 2019	24	12.04	87.25	5.7	33.63	7.9	25.5	0.71
F22	09 Aug 2019	25	12.01	87.12	5.8	33.63	7.9	25.5	0.79
F22	09 Aug 2019	26	11.99	87.29	5.8	33.63	7.9	25.5	0.78
F22	09 Aug 2019	27	11.96	87.31	5.7	33.63	7.9	25.5	0.78
F22	09 Aug 2019	28	11.93	87.20	5.7	33.64	7.9	25.5	0.72
F22	09 Aug 2019	29	11.92	87.32	5.6	33.64	7.9	25.5	0.72
F22	09 Aug 2019	30	11.86	87.20	5.6	33.64	7.9	25.6	0.78
F22	09 Aug 2019	31	11.83	87.05	5.6	33.64	7.9	25.6	0.77
F22	09 Aug 2019	32	11.78	86.98	5.5	33.65	7.9	25.6	0.76
F22	09 Aug 2019	33	11.75	87.13	5.4	33.65	7.9	25.6	0.65
F22	09 Aug 2019	34	11.74	87.13	5.4	33.65	7.9	25.6	0.64
F22	09 Aug 2019	35	11.71	87.01	5.4	33.65	7.9	25.6	0.65
F22	09 Aug 2019	36	11.70	87.22	5.4	33.65	7.9	25.6	0.65
F22	09 Aug 2019	37	11.62	87.14	5.3	33.66	7.9	25.6	0.64
F22	09 Aug 2019	38	11.60	87.15	5.3	33.66	7.9	25.6	0.62

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F22	09 Aug 2019	39	11.58	87.09	5.3	33.66	7.9	25.6	0.57
F22	09 Aug 2019	40	11.56	87.14	5.3	33.66	7.9	25.6	0.59
F22	09 Aug 2019	41	11.56	87.01	5.3	33.66	7.9	25.6	0.59
F22	09 Aug 2019	42	11.54	86.99	5.2	33.66	7.9	25.6	0.56
F22	09 Aug 2019	43	11.49	86.90	5.2	33.67	7.8	25.6	0.58
F22	09 Aug 2019	44	11.48	87.00	5.2	33.66	7.8	25.6	0.56
F22	09 Aug 2019	45	11.45	87.15	5.2	33.67	7.8	25.7	0.58
F22	09 Aug 2019	46	11.42	87.19	5.2	33.67	7.8	25.7	0.55
F22	09 Aug 2019	47	11.41	87.22	5.2	33.67	7.8	25.7	0.54
F22	09 Aug 2019	48	11.40	87.19	5.2	33.67	7.8	25.7	0.55
F22	09 Aug 2019	49	11.39	87.19	5.1	33.67	7.8	25.7	0.55
F22	09 Aug 2019	50	11.38	87.17	5.1	33.67	7.8	25.7	0.54
F22	09 Aug 2019	51	11.38	87.03	5.1	33.67	7.8	25.7	0.54
F22	09 Aug 2019	52	11.37	87.08	5.1	33.68	7.8	25.7	0.52
F22	09 Aug 2019	53	11.37	87.06	5.1	33.68	7.8	25.7	0.52
F22	09 Aug 2019	54	11.37	86.93	5.1	33.68	7.8	25.7	0.53
F22	09 Aug 2019	55	11.36	86.97	5.1	33.68	7.8	25.7	0.53
F22	09 Aug 2019	56	11.35	86.99	5.1	33.68	7.8	25.7	0.51
F22	09 Aug 2019	57	11.35	87.10	5.1	33.68	7.8	25.7	0.51
F22	09 Aug 2019	58	11.33	87.17	5.0	33.68	7.8	25.7	0.50
F22	09 Aug 2019	59	11.28	87.07	5.0	33.69	7.8	25.7	0.50
F22	09 Aug 2019	60	11.27	87.18	5.0	33.69	7.8	25.7	0.46
F22	09 Aug 2019	61	11.29	87.38	5.0	33.69	7.8	25.7	0.46
F22	09 Aug 2019	62	11.22	87.59	5.0	33.70	7.8	25.7	0.45
F22	09 Aug 2019	63	11.18	87.65	4.9	33.70	7.8	25.7	0.44
F22	09 Aug 2019	64	11.17	87.75	4.9	33.70	7.8	25.7	0.41
F22	09 Aug 2019	65	11.15	87.69	4.9	33.70	7.8	25.7	0.39
F22	09 Aug 2019	66	11.11	87.66	4.9	33.70	7.8	25.7	0.38
F22	09 Aug 2019	67	11.10	87.65	4.9	33.70	7.8	25.7	0.38
F22	09 Aug 2019	68	11.07	87.51	4.8	33.71	7.8	25.8	0.36
F22	09 Aug 2019	69	11.07	86.95	4.8	33.71	7.8	25.8	0.36
F22	09 Aug 2019	70	10.99	86.60	4.7	33.72	7.8	25.8	0.35
F22	09 Aug 2019	71	10.93	86.57	4.6	33.73	7.8	25.8	0.34
F22	09 Aug 2019	72	10.90	86.58	4.5	33.73	7.8	25.8	0.33
F22	09 Aug 2019	73	10.87	85.41	4.4	33.74	7.8	25.8	0.32
F22	09 Aug 2019	74	10.85	84.71	4.4	33.74	7.8	25.8	0.32
F22	09 Aug 2019	75	10.83	84.22	4.3	33.75	7.8	25.8	0.31
F22	09 Aug 2019	76	10.81	83.35	4.3	33.75	7.8	25.8	0.31
F22	09 Aug 2019	77	10.80	82.72	4.3	33.75	7.8	25.8	0.31
F22	09 Aug 2019	78	10.80	81.80	4.3	33.75	7.8	25.8	0.31
F22	09 Aug 2019	79	10.80	81.52	4.3	33.75	7.8	25.8	0.33
F22	09 Aug 2019	80	10.80	81.43	4.2	33.75	7.8	25.8	0.32
F22	09 Aug 2019	81	10.81	80.22	4.2	33.75	7.8	25.8	0.31
F23	09 Aug 2019	1	19.92	74.20	9.2	33.69	8.2	23.8	1.31
F23	09 Aug 2019	2	19.61	73.83	9.2	33.69	8.2	23.9	1.48
F23	09 Aug 2019	3	17.27	72.77	9.0	33.76	8.2	24.5	3.17
F23	09 Aug 2019	4	15.44	68.99	8.5	33.65	8.2	24.8	4.52
F23	09 Aug 2019	5	15.23	72.04	8.3	33.60	8.2	24.8	4.53
F23	09 Aug 2019	6	14.37	72.35	7.8	33.63	8.2	25.1	4.88
F23	09 Aug 2019	7	13.70	72.91	7.4	33.59	8.1	25.2	4.93
F23	09 Aug 2019	8	13.31	74.77	7.1	33.57	8.1	25.2	5.10
F23	09 Aug 2019	9	13.07	76.34	7.0	33.57	8.1	25.3	5.41
F23	09 Aug 2019	10	12.84	77.41	6.8	33.56	8.1	25.3	4.92
F23	09 Aug 2019	11	12.79	78.76	6.7	33.57	8.1	25.3	3.28

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F23	09 Aug 2019	12	12.72	82.25	6.6	33.58	8.1	25.3	2.42
F23	09 Aug 2019	13	12.59	83.30	6.6	33.59	8.1	25.4	2.09
F23	09 Aug 2019	14	12.51	84.53	6.5	33.59	8.0	25.4	1.65
F23	09 Aug 2019	15	12.45	85.28	6.3	33.60	8.0	25.4	1.42
F23	09 Aug 2019	16	12.39	85.67	6.1	33.61	8.0	25.4	1.19
F23	09 Aug 2019	17	12.36	85.98	6.0	33.61	8.0	25.4	1.10
F23	09 Aug 2019	18	12.32	86.01	6.0	33.61	8.0	25.5	1.07
F23	09 Aug 2019	19	12.30	86.16	5.9	33.61	8.0	25.5	0.93
F23	09 Aug 2019	20	12.29	86.43	5.9	33.62	8.0	25.5	0.93
F23	09 Aug 2019	21	12.27	86.61	5.9	33.62	8.0	25.5	0.90
F23	09 Aug 2019	22	12.25	86.63	5.8	33.62	8.0	25.5	0.88
F23	09 Aug 2019	23	12.25	86.66	5.8	33.62	8.0	25.5	0.88
F23	09 Aug 2019	24	12.24	86.69	5.8	33.62	8.0	25.5	0.84
F23	09 Aug 2019	25	12.20	86.77	5.9	33.62	7.9	25.5	0.88
F23	09 Aug 2019	26	12.16	86.73	6.0	33.62	7.9	25.5	0.98
F23	09 Aug 2019	27	12.16	86.76	6.0	33.62	7.9	25.5	0.92
F23	09 Aug 2019	28	12.08	86.96	6.0	33.63	7.9	25.5	0.92
F23	09 Aug 2019	29	12.04	87.01	6.0	33.63	7.9	25.5	0.93
F23	09 Aug 2019	30	12.00	87.01	6.0	33.63	7.9	25.5	0.91
F23	09 Aug 2019	31	11.99	87.16	6.0	33.63	7.9	25.5	0.94
F23	09 Aug 2019	32	11.91	87.23	5.9	33.63	7.9	25.5	0.94
F23	09 Aug 2019	33	11.83	87.32	5.8	33.64	7.9	25.6	0.89
F23	09 Aug 2019	34	11.76	87.52	5.7	33.65	7.9	25.6	0.80
F23	09 Aug 2019	35	11.68	87.42	5.6	33.65	7.9	25.6	0.76
F23	09 Aug 2019	36	11.65	87.37	5.6	33.65	7.9	25.6	0.73
F23	09 Aug 2019	37	11.61	87.36	5.5	33.66	7.9	25.6	0.76
F23	09 Aug 2019	38	11.58	87.43	5.5	33.66	7.9	25.6	0.72
F23	09 Aug 2019	39	11.57	87.38	5.5	33.66	7.9	25.6	0.68
F23	09 Aug 2019	40	11.55	87.31	5.5	33.66	7.9	25.6	0.69
F23	09 Aug 2019	41	11.53	87.38	5.4	33.66	7.9	25.6	0.69
F23	09 Aug 2019	42	11.51	87.24	5.4	33.66	7.9	25.6	0.65
F23	09 Aug 2019	43	11.48	87.15	5.3	33.67	7.9	25.7	0.61
F23	09 Aug 2019	44	11.46	87.10	5.2	33.67	7.9	25.7	0.59
F23	09 Aug 2019	45	11.45	87.08	5.2	33.67	7.9	25.7	0.59
F23	09 Aug 2019	46	11.45	87.40	5.3	33.67	7.9	25.7	0.56
F23	09 Aug 2019	47	11.43	87.58	5.2	33.67	7.9	25.7	0.56
F23	09 Aug 2019	48	11.43	87.66	5.2	33.67	7.9	25.7	0.53
F23	09 Aug 2019	49	11.42	87.61	5.2	33.67	7.9	25.7	0.51
F23	09 Aug 2019	50	11.40	87.62	5.1	33.68	7.8	25.7	0.49
F23	09 Aug 2019	51	11.37	87.53	5.1	33.68	7.8	25.7	0.46
F23	09 Aug 2019	52	11.35	87.72	5.1	33.68	7.8	25.7	0.44
F23	09 Aug 2019	53	11.35	87.74	5.1	33.68	7.8	25.7	0.44
F23	09 Aug 2019	54	11.33	87.77	5.1	33.69	7.8	25.7	0.44
F23	09 Aug 2019	55	11.32	87.82	5.1	33.69	7.8	25.7	0.42
F23	09 Aug 2019	56	11.29	87.77	5.1	33.69	7.8	25.7	0.44
F23	09 Aug 2019	57	11.25	87.81	5.1	33.69	7.8	25.7	0.42
F23	09 Aug 2019	58	11.22	87.61	5.0	33.69	7.8	25.7	0.40
F23	09 Aug 2019	59	11.18	87.58	5.0	33.69	7.8	25.7	0.39
F23	09 Aug 2019	60	11.18	87.43	5.0	33.69	7.8	25.7	0.37
F23	09 Aug 2019	61	11.17	87.44	4.9	33.70	7.8	25.7	0.38
F23	09 Aug 2019	62	11.13	87.36	4.9	33.70	7.8	25.7	0.36
F23	09 Aug 2019	63	11.15	87.46	4.9	33.70	7.8	25.7	0.37
F23	09 Aug 2019	64	11.09	87.45	4.9	33.70	7.8	25.7	0.36
F23	09 Aug 2019	65	11.06	87.42	4.9	33.71	7.8	25.8	0.37
F23	09 Aug 2019	66	11.04	87.61	4.8	33.71	7.8	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F23	09 Aug 2019	67	11.01	87.50	4.8	33.71	7.8	25.8	0.34
F23	09 Aug 2019	68	10.98	87.36	4.7	33.72	7.8	25.8	0.33
F23	09 Aug 2019	69	10.96	87.51	4.7	33.72	7.8	25.8	0.33
F23	09 Aug 2019	70	10.96	87.55	4.7	33.72	7.8	25.8	0.32
F23	09 Aug 2019	71	10.94	87.53	4.7	33.73	7.8	25.8	0.32
F23	09 Aug 2019	72	10.91	87.51	4.6	33.73	7.8	25.8	0.31
F23	09 Aug 2019	73	10.91	87.45	4.6	33.73	7.8	25.8	0.31
F23	09 Aug 2019	74	10.88	87.44	4.6	33.74	7.8	25.8	0.30
F23	09 Aug 2019	75	10.87	87.21	4.6	33.74	7.8	25.8	0.29
F23	09 Aug 2019	76	10.86	86.82	4.5	33.74	7.8	25.8	0.29
F23	09 Aug 2019	77	10.83	86.51	4.5	33.75	7.8	25.8	0.29
F23	09 Aug 2019	78	10.80	85.14	4.4	33.76	7.8	25.8	0.30
F23	09 Aug 2019	79	10.72	84.90	4.3	33.77	7.8	25.9	0.30
F23	09 Aug 2019	80	10.71	83.98	4.3	33.77	7.8	25.9	0.28
F23	09 Aug 2019	81	10.70	83.51	4.3	33.77	7.8	25.9	0.27
F23	09 Aug 2019	82	10.70	83.25	4.3	33.77	7.8	25.9	0.27
F24	09 Aug 2019	1	20.24	74.91	9.0	33.67	8.2	23.7	1.41
F24	09 Aug 2019	2	20.17	75.00	8.9	33.67	8.2	23.7	1.48
F24	09 Aug 2019	3	19.10	75.50	9.1	33.68	8.2	24.0	1.83
F24	09 Aug 2019	4	18.42	75.44	9.2	33.65	8.2	24.1	2.17
F24	09 Aug 2019	5	17.81	75.84	9.2	33.62	8.2	24.3	2.33
F24	09 Aug 2019	6	16.11	76.73	8.7	33.67	8.2	24.7	2.51
F24	09 Aug 2019	7	15.15	76.39	8.4	33.59	8.2	24.8	3.29
F24	09 Aug 2019	8	14.74	75.99	8.0	33.59	8.2	24.9	3.89
F24	09 Aug 2019	9	14.29	75.69	7.7	33.58	8.1	25.0	4.52
F24	09 Aug 2019	10	14.12	75.76	7.3	33.60	8.1	25.1	4.50
F24	09 Aug 2019	11	13.43	76.91	7.0	33.59	8.1	25.2	4.08
F24	09 Aug 2019	12	13.43	77.98	6.9	33.59	8.1	25.2	3.84
F24	09 Aug 2019	13	13.09	79.65	6.7	33.59	8.1	25.3	3.83
F24	09 Aug 2019	14	12.90	79.73	6.6	33.59	8.0	25.3	3.72
F24	09 Aug 2019	15	12.75	81.04	6.5	33.59	8.0	25.4	2.68
F24	09 Aug 2019	16	12.49	83.81	6.5	33.59	8.0	25.4	1.74
F24	09 Aug 2019	17	12.43	85.47	6.4	33.59	8.0	25.4	1.39
F24	09 Aug 2019	18	12.39	86.18	6.4	33.59	8.0	25.4	1.23
F24	09 Aug 2019	19	12.33	86.32	6.4	33.59	8.0	25.4	1.19
F24	09 Aug 2019	20	12.32	86.40	6.4	33.59	8.0	25.4	1.14
F24	09 Aug 2019	21	12.19	86.61	6.3	33.60	8.0	25.5	1.14
F24	09 Aug 2019	22	12.11	86.70	6.3	33.60	8.0	25.5	1.17
F24	09 Aug 2019	23	12.09	86.92	6.2	33.61	8.0	25.5	1.08
F24	09 Aug 2019	24	12.08	87.01	6.1	33.62	8.0	25.5	0.99
F24	09 Aug 2019	25	12.08	86.99	6.0	33.62	8.0	25.5	0.95
F24	09 Aug 2019	26	12.08	87.00	6.0	33.62	8.0	25.5	0.82
F24	09 Aug 2019	27	12.06	87.05	5.9	33.63	7.9	25.5	0.85
F24	09 Aug 2019	28	12.00	87.20	5.9	33.63	7.9	25.5	0.80
F24	09 Aug 2019	29	11.98	87.10	5.9	33.63	7.9	25.5	0.79
F24	09 Aug 2019	30	11.98	87.32	5.9	33.63	7.9	25.5	0.81
F24	09 Aug 2019	31	11.96	87.37	5.8	33.63	7.9	25.5	0.80
F24	09 Aug 2019	32	11.93	87.29	5.8	33.63	7.9	25.5	0.78
F24	09 Aug 2019	33	11.91	87.32	5.8	33.63	7.9	25.5	0.73
F24	09 Aug 2019	34	11.90	87.27	5.8	33.63	7.9	25.5	0.71
F24	09 Aug 2019	35	11.88	87.35	5.7	33.64	7.9	25.6	0.70
F24	09 Aug 2019	36	11.84	87.43	5.7	33.64	7.9	25.6	0.75
F24	09 Aug 2019	37	11.82	87.56	5.8	33.63	7.9	25.6	0.74
F24	09 Aug 2019	38	11.72	87.63	5.7	33.65	7.9	25.6	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F24	09 Aug 2019	39	11.65	87.69	5.7	33.65	7.9	25.6	0.68
F24	09 Aug 2019	40	11.59	87.69	5.6	33.65	7.9	25.6	0.65
F24	09 Aug 2019	41	11.54	87.72	5.6	33.66	7.9	25.6	0.62
F24	09 Aug 2019	42	11.56	87.76	5.6	33.65	7.9	25.6	0.62
F24	09 Aug 2019	43	11.51	87.78	5.5	33.66	7.9	25.6	0.59
F24	09 Aug 2019	44	11.49	87.86	5.4	33.66	7.9	25.6	0.59
F24	09 Aug 2019	45	11.44	87.72	5.4	33.67	7.9	25.7	0.56
F24	09 Aug 2019	46	11.46	87.75	5.3	33.66	7.9	25.7	0.55
F24	09 Aug 2019	47	11.41	87.76	5.3	33.67	7.9	25.7	0.55
F24	09 Aug 2019	48	11.40	87.76	5.2	33.67	7.9	25.7	0.50
F24	09 Aug 2019	49	11.38	87.56	5.2	33.68	7.9	25.7	0.49
F24	09 Aug 2019	50	11.36	87.68	5.2	33.68	7.8	25.7	0.46
F24	09 Aug 2019	51	11.33	87.63	5.1	33.68	7.8	25.7	0.42
F24	09 Aug 2019	52	11.31	87.69	5.1	33.68	7.8	25.7	0.43
F24	09 Aug 2019	53	11.29	87.73	5.1	33.69	7.8	25.7	0.41
F24	09 Aug 2019	54	11.26	87.80	5.1	33.69	7.8	25.7	0.39
F24	09 Aug 2019	55	11.20	87.66	5.0	33.69	7.8	25.7	0.38
F24	09 Aug 2019	56	11.17	87.17	4.9	33.70	7.8	25.7	0.35
F24	09 Aug 2019	57	11.14	86.67	4.8	33.70	7.8	25.7	0.34
F24	09 Aug 2019	58	11.10	86.67	4.8	33.70	7.8	25.8	0.33
F24	09 Aug 2019	59	11.06	86.63	4.7	33.71	7.8	25.8	0.33
F24	09 Aug 2019	60	11.02	86.68	4.7	33.71	7.8	25.8	0.33
F24	09 Aug 2019	61	11.01	86.77	4.7	33.71	7.8	25.8	0.32
F24	09 Aug 2019	62	10.92	87.12	4.6	33.73	7.8	25.8	0.31
F24	09 Aug 2019	63	10.89	86.82	4.5	33.74	7.8	25.8	0.29
F24	09 Aug 2019	64	10.88	86.32	4.5	33.74	7.8	25.8	0.30
F24	09 Aug 2019	65	10.86	85.40	4.5	33.74	7.8	25.8	0.29
F24	09 Aug 2019	66	10.85	85.30	4.5	33.74	7.8	25.8	0.29
F24	09 Aug 2019	67	10.84	85.26	4.5	33.75	7.8	25.8	0.29
F24	09 Aug 2019	68	10.83	85.18	4.4	33.75	7.8	25.8	0.29
F24	09 Aug 2019	69	10.82	84.85	4.4	33.75	7.8	25.8	0.28
F24	09 Aug 2019	70	10.82	84.72	4.4	33.75	7.8	25.8	0.29
F24	09 Aug 2019	71	10.81	84.09	4.4	33.75	7.8	25.8	0.28
F24	09 Aug 2019	72	10.80	83.68	4.3	33.76	7.8	25.8	0.31
F24	09 Aug 2019	73	10.78	83.38	4.3	33.76	7.8	25.8	0.28
F24	09 Aug 2019	74	10.78	83.06	4.3	33.76	7.8	25.8	0.27
F24	09 Aug 2019	75	10.78	82.88	4.3	33.76	7.8	25.8	0.28
F24	09 Aug 2019	76	10.78	82.64	4.3	33.76	7.8	25.8	0.29
F24	09 Aug 2019	77	10.78	82.57	4.3	33.76	7.8	25.8	0.28
F24	09 Aug 2019	78	10.77	82.51	4.3	33.76	7.8	25.9	0.27
F24	09 Aug 2019	79	10.75	82.14	4.3	33.76	7.8	25.9	0.28
F24	09 Aug 2019	80	10.74	81.57	4.3	33.77	7.8	25.9	0.27
F24	09 Aug 2019	81	10.74	81.71	4.3	33.77	7.8	25.9	0.27
F24	09 Aug 2019	82	10.74	81.73	4.3	33.77	7.8	25.9	0.27
F25	09 Aug 2019	1	20.49	79.11	8.9	33.67	8.2	23.6	1.12
F25	09 Aug 2019	2	20.39	78.84	8.9	33.68	8.2	23.7	1.19
F25	09 Aug 2019	3	20.12	79.10	9.1	33.67	8.2	23.7	1.25
F25	09 Aug 2019	4	19.92	79.43	9.2	33.66	8.2	23.8	1.27
F25	09 Aug 2019	5	19.73	79.36	9.2	33.67	8.2	23.8	1.38
F25	09 Aug 2019	6	19.11	79.24	9.1	33.70	8.2	24.0	1.62
F25	09 Aug 2019	7	17.28	78.67	9.1	33.69	8.2	24.4	1.84
F25	09 Aug 2019	8	16.76	80.89	9.1	33.57	8.2	24.5	1.70
F25	09 Aug 2019	9	16.45	81.61	9.0	33.58	8.2	24.6	1.56
F25	09 Aug 2019	10	16.20	81.98	9.0	33.56	8.2	24.6	1.58

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F25	09 Aug 2019	11	15.98	81.82	9.0	33.56	8.2	24.6	1.65
F25	09 Aug 2019	12	15.80	81.55	8.9	33.55	8.2	24.7	1.72
F25	09 Aug 2019	13	15.75	81.56	8.8	33.56	8.2	24.7	1.80
F25	09 Aug 2019	14	15.29	81.12	8.8	33.57	8.2	24.8	2.09
F25	09 Aug 2019	15	15.11	80.64	8.6	33.56	8.2	24.8	2.40
F25	09 Aug 2019	16	14.73	79.93	8.4	33.58	8.1	24.9	2.91
F25	09 Aug 2019	17	14.38	79.09	8.2	33.57	8.1	25.0	3.53
F25	09 Aug 2019	18	14.15	78.13	8.2	33.56	8.1	25.0	3.99
F25	09 Aug 2019	19	13.97	77.37	8.0	33.56	8.1	25.1	4.33
F25	09 Aug 2019	20	13.74	76.97	7.7	33.57	8.1	25.1	4.37
F25	09 Aug 2019	21	13.34	77.25	7.5	33.57	8.1	25.2	4.21
F25	09 Aug 2019	22	13.26	77.98	7.2	33.57	8.1	25.2	3.78
F25	09 Aug 2019	23	12.95	80.22	7.0	33.58	8.1	25.3	2.83
F25	09 Aug 2019	24	12.81	82.84	6.8	33.58	8.1	25.3	2.24
F25	09 Aug 2019	25	12.73	83.88	6.7	33.58	8.0	25.3	1.94
F25	09 Aug 2019	26	12.59	84.24	6.5	33.59	8.0	25.4	1.74
F25	09 Aug 2019	27	12.48	84.78	6.4	33.59	8.0	25.4	1.54
F25	09 Aug 2019	28	12.45	85.14	6.4	33.59	8.0	25.4	1.51
F25	09 Aug 2019	29	12.44	85.34	6.3	33.59	8.0	25.4	1.43
F25	09 Aug 2019	30	12.38	85.52	6.2	33.60	8.0	25.4	1.32
F25	09 Aug 2019	31	12.29	85.76	6.2	33.61	8.0	25.5	1.22
F25	09 Aug 2019	32	12.24	86.03	6.2	33.60	8.0	25.5	1.13
F25	09 Aug 2019	33	12.21	86.31	6.1	33.60	8.0	25.5	1.07
F25	09 Aug 2019	34	12.18	86.58	6.1	33.61	8.0	25.5	1.04
F25	09 Aug 2019	35	12.12	86.78	6.0	33.61	8.0	25.5	1.02
F25	09 Aug 2019	36	12.10	86.89	6.0	33.62	8.0	25.5	0.93
F25	09 Aug 2019	37	12.09	87.06	6.0	33.62	7.9	25.5	0.86
F25	09 Aug 2019	38	12.02	87.14	6.0	33.62	7.9	25.5	0.87
F25	09 Aug 2019	39	12.01	87.16	6.0	33.62	7.9	25.5	0.86
F25	09 Aug 2019	40	11.95	87.24	6.0	33.62	7.9	25.5	0.86
F25	09 Aug 2019	41	11.90	87.27	6.0	33.63	7.9	25.5	0.80
F25	09 Aug 2019	42	11.87	87.43	5.9	33.63	7.9	25.5	0.78
F25	09 Aug 2019	43	11.86	87.48	5.9	33.63	7.9	25.6	0.80
F25	09 Aug 2019	44	11.85	87.47	5.9	33.63	7.9	25.6	0.76
F25	09 Aug 2019	45	11.83	87.49	5.9	33.63	7.9	25.6	0.83
F25	09 Aug 2019	46	11.80	87.54	5.9	33.63	7.9	25.6	0.78
F25	09 Aug 2019	47	11.76	87.49	5.8	33.63	7.9	25.6	0.76
F25	09 Aug 2019	48	11.73	87.55	5.8	33.63	7.9	25.6	0.76
F25	09 Aug 2019	49	11.68	87.50	5.7	33.64	7.9	25.6	0.74
F25	09 Aug 2019	50	11.61	87.55	5.7	33.65	7.9	25.6	0.72
F25	09 Aug 2019	51	11.52	87.65	5.6	33.66	7.9	25.6	0.70
F25	09 Aug 2019	52	11.46	87.76	5.5	33.66	7.9	25.7	0.61
F25	09 Aug 2019	53	11.43	87.71	5.4	33.67	7.9	25.7	0.58
F25	09 Aug 2019	54	11.38	87.82	5.4	33.67	7.9	25.7	0.56
F25	09 Aug 2019	55	11.39	87.90	5.4	33.67	7.9	25.7	0.57
F25	09 Aug 2019	56	11.37	87.91	5.4	33.67	7.9	25.7	0.55
F25	09 Aug 2019	57	11.33	87.89	5.3	33.67	7.9	25.7	0.54
F25	09 Aug 2019	58	11.30	87.95	5.2	33.68	7.8	25.7	0.51
F25	09 Aug 2019	59	11.24	87.98	5.2	33.69	7.8	25.7	0.45
F25	09 Aug 2019	60	11.21	88.01	5.1	33.69	7.8	25.7	0.44
F25	09 Aug 2019	61	11.19	88.01	5.1	33.69	7.8	25.7	0.41
F25	09 Aug 2019	62	11.16	87.95	5.0	33.70	7.8	25.7	0.39
F25	09 Aug 2019	63	11.15	87.94	5.0	33.70	7.8	25.7	0.38
F25	09 Aug 2019	64	11.14	87.92	5.0	33.70	7.8	25.7	0.36
F25	09 Aug 2019	65	11.12	87.84	4.9	33.70	7.8	25.7	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F25	09 Aug 2019	66	11.11	87.81	4.9	33.70	7.8	25.7	0.35
F25	09 Aug 2019	67	11.11	87.75	4.9	33.70	7.8	25.7	0.33
F25	09 Aug 2019	68	11.10	87.75	4.9	33.70	7.8	25.7	0.35
F25	09 Aug 2019	69	11.08	87.81	4.9	33.70	7.8	25.8	0.33
F25	09 Aug 2019	70	11.06	87.75	4.8	33.70	7.8	25.8	0.32
F25	09 Aug 2019	71	10.97	87.39	4.7	33.72	7.8	25.8	0.31
F25	09 Aug 2019	72	10.88	86.39	4.6	33.74	7.8	25.8	0.26
F25	09 Aug 2019	73	10.86	85.98	4.5	33.74	7.8	25.8	0.25
F25	09 Aug 2019	74	10.85	85.64	4.5	33.74	7.8	25.8	0.25
F25	09 Aug 2019	75	10.85	85.26	4.5	33.74	7.8	25.8	0.26
F25	09 Aug 2019	76	10.85	85.10	4.5	33.74	7.8	25.8	0.24
F25	09 Aug 2019	77	10.84	84.80	4.4	33.74	7.8	25.8	0.24
F25	09 Aug 2019	78	10.82	84.34	4.4	33.75	7.8	25.8	0.24
F25	09 Aug 2019	79	10.82	84.28	4.4	33.75	7.8	25.8	0.24
F25	09 Aug 2019	80	10.83	81.86	4.4	33.75	7.8	25.8	0.24
F26	07 Aug 2019	1	20.27	71.07	9.5	33.69	8.3	23.7	1.51
F26	07 Aug 2019	2	19.99	72.04	9.5	33.70	8.3	23.8	1.55
F26	07 Aug 2019	3	18.73	74.13	10.7	33.74	8.3	24.1	1.87
F26	07 Aug 2019	4	17.18	70.25	11.9	33.67	8.3	24.5	3.00
F26	07 Aug 2019	5	16.35	67.73	12.0	33.64	8.4	24.6	4.05
F26	07 Aug 2019	6	15.95	67.23	10.9	33.64	8.4	24.7	4.70
F26	07 Aug 2019	7	14.78	70.47	9.2	33.65	8.4	25.0	4.73
F26	07 Aug 2019	8	14.01	75.02	8.2	33.60	8.3	25.1	4.25
F26	07 Aug 2019	9	13.76	77.21	7.8	33.57	8.3	25.1	4.06
F26	07 Aug 2019	10	13.47	78.60	7.5	33.58	8.3	25.2	3.76
F26	07 Aug 2019	11	13.17	80.96	7.3	33.55	8.3	25.2	3.45
F26	07 Aug 2019	12	13.01	79.58	7.1	33.59	8.3	25.3	3.60
F26	07 Aug 2019	13	12.61	84.73	6.9	33.57	8.3	25.4	2.65
F26	07 Aug 2019	14	12.55	85.35	6.8	33.56	8.3	25.4	2.01
F26	07 Aug 2019	15	12.48	85.75	6.7	33.57	8.3	25.4	1.76
F26	07 Aug 2019	16	12.36	86.38	6.6	33.58	8.3	25.4	1.52
F26	07 Aug 2019	17	12.23	86.73	6.5	33.60	8.3	25.5	1.32
F26	07 Aug 2019	18	12.09	87.13	6.3	33.61	8.3	25.5	1.29
F26	07 Aug 2019	19	12.00	87.40	6.1	33.63	8.2	25.5	1.16
F26	07 Aug 2019	20	11.87	87.53	6.0	33.65	8.2	25.6	1.07
F26	07 Aug 2019	21	11.77	87.84	5.9	33.65	8.2	25.6	0.94
F26	07 Aug 2019	22	11.75	87.96	5.8	33.65	8.2	25.6	0.89
F26	07 Aug 2019	23	11.75	88.00	5.8	33.66	8.2	25.6	0.87
F26	07 Aug 2019	24	11.74	87.88	5.8	33.66	8.2	25.6	0.88
F26	07 Aug 2019	25	11.73	87.99	5.8	33.66	8.2	25.6	0.84
F26	07 Aug 2019	26	11.71	88.08	5.8	33.66	8.2	25.6	0.79
F26	07 Aug 2019	27	11.68	88.07	5.7	33.67	8.2	25.6	0.78
F26	07 Aug 2019	28	11.61	88.16	5.6	33.68	8.2	25.6	0.75
F26	07 Aug 2019	29	11.55	88.21	5.5	33.68	8.2	25.6	0.75
F26	07 Aug 2019	30	11.51	88.14	5.5	33.69	8.2	25.7	0.70
F26	07 Aug 2019	31	11.49	88.06	5.4	33.69	8.2	25.7	0.68
F26	07 Aug 2019	32	11.46	87.99	5.3	33.69	8.2	25.7	0.66
F26	07 Aug 2019	33	11.43	87.95	5.3	33.69	8.2	25.7	0.65
F26	07 Aug 2019	34	11.42	87.94	5.3	33.69	8.2	25.7	0.63
F26	07 Aug 2019	35	11.41	87.88	5.2	33.69	8.2	25.7	0.64
F26	07 Aug 2019	36	11.38	87.81	5.2	33.70	8.2	25.7	0.60
F26	07 Aug 2019	37	11.37	87.87	5.2	33.70	8.2	25.7	0.59
F26	07 Aug 2019	38	11.38	87.86	5.2	33.70	8.2	25.7	0.59
F26	07 Aug 2019	39	11.37	87.83	5.2	33.70	8.2	25.7	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F26	07 Aug 2019	40	11.36	87.79	5.1	33.70	8.2	25.7	0.59
F26	07 Aug 2019	41	11.36	87.84	5.1	33.70	8.2	25.7	0.60
F26	07 Aug 2019	42	11.34	87.84	5.1	33.70	8.2	25.7	0.58
F26	07 Aug 2019	43	11.34	87.78	5.1	33.70	8.2	25.7	0.56
F26	07 Aug 2019	44	11.33	87.82	5.1	33.70	8.2	25.7	0.57
F26	07 Aug 2019	45	11.31	87.82	5.0	33.70	8.1	25.7	0.55
F26	07 Aug 2019	46	11.24	87.81	5.0	33.71	8.1	25.7	0.54
F26	07 Aug 2019	47	11.21	87.89	4.9	33.72	8.1	25.7	0.50
F26	07 Aug 2019	48	11.19	87.82	4.9	33.72	8.1	25.7	0.49
F26	07 Aug 2019	49	11.18	87.91	4.9	33.72	8.1	25.7	0.47
F26	07 Aug 2019	50	11.16	87.91	4.9	33.72	8.1	25.7	0.46
F26	07 Aug 2019	51	11.14	87.87	4.8	33.72	8.1	25.8	0.46
F26	07 Aug 2019	52	11.10	87.90	4.8	33.73	8.1	25.8	0.44
F26	07 Aug 2019	53	11.07	88.03	4.8	33.73	8.1	25.8	0.44
F26	07 Aug 2019	54	11.06	88.04	4.8	33.73	8.1	25.8	0.43
F26	07 Aug 2019	55	11.06	88.02	4.8	33.73	8.1	25.8	0.42
F26	07 Aug 2019	56	11.06	88.06	4.8	33.73	8.1	25.8	0.42
F26	07 Aug 2019	57	11.05	88.04	4.8	33.73	8.1	25.8	0.42
F26	07 Aug 2019	58	11.03	87.55	4.8	33.73	8.1	25.8	0.41
F26	07 Aug 2019	59	11.01	87.95	4.7	33.73	8.1	25.8	0.41
F26	07 Aug 2019	60	10.99	87.85	4.7	33.73	8.1	25.8	0.40
F26	07 Aug 2019	61	11.00	87.86	4.7	33.73	8.1	25.8	0.39
F26	07 Aug 2019	62	10.96	87.74	4.7	33.74	8.1	25.8	0.39
F26	07 Aug 2019	63	10.92	87.77	4.6	33.74	8.1	25.8	0.39
F26	07 Aug 2019	64	10.90	87.72	4.6	33.74	8.1	25.8	0.38
F26	07 Aug 2019	65	10.88	87.66	4.6	33.75	8.1	25.8	0.37
F26	07 Aug 2019	66	10.87	87.62	4.6	33.75	8.1	25.8	0.37
F26	07 Aug 2019	67	10.87	87.63	4.6	33.75	8.1	25.8	0.37
F26	07 Aug 2019	68	10.86	87.64	4.6	33.75	8.1	25.8	0.37
F26	07 Aug 2019	69	10.85	87.62	4.6	33.75	8.1	25.8	0.37
F26	07 Aug 2019	70	10.84	87.56	4.5	33.75	8.1	25.8	0.36
F26	07 Aug 2019	71	10.81	87.51	4.5	33.76	8.1	25.8	0.36
F26	07 Aug 2019	72	10.78	87.43	4.5	33.77	8.1	25.9	0.35
F26	07 Aug 2019	73	10.77	87.42	4.5	33.77	8.1	25.9	0.35
F26	07 Aug 2019	74	10.75	87.40	4.4	33.77	8.1	25.9	0.35
F26	07 Aug 2019	75	10.73	87.35	4.4	33.77	8.1	25.9	0.35
F26	07 Aug 2019	76	10.72	87.24	4.4	33.77	8.1	25.9	0.34
F26	07 Aug 2019	77	10.70	87.18	4.4	33.78	8.1	25.9	0.34
F26	07 Aug 2019	78	10.68	87.10	4.4	33.78	8.1	25.9	0.35
F26	07 Aug 2019	79	10.65	86.82	4.3	33.79	8.1	25.9	0.34
F26	07 Aug 2019	80	10.63	86.75	4.3	33.79	8.1	25.9	0.34
F26	07 Aug 2019	81	10.62	86.82	4.3	33.80	8.1	25.9	0.34
F26	07 Aug 2019	82	10.60	86.79	4.3	33.80	8.1	25.9	0.34
F26	07 Aug 2019	83	10.59	86.76	4.3	33.80	8.1	25.9	0.33
F26	07 Aug 2019	84	10.57	86.64	4.2	33.80	8.0	25.9	0.33
F26	07 Aug 2019	85	10.54	86.70	4.2	33.81	8.0	25.9	0.33
F26	07 Aug 2019	86	10.50	86.86	4.2	33.82	8.0	25.9	0.32
F26	07 Aug 2019	87	10.43	86.75	4.1	33.84	8.0	26.0	0.32
F26	07 Aug 2019	88	10.39	86.47	4.1	33.84	8.0	26.0	0.32
F26	07 Aug 2019	89	10.37	86.32	4.0	33.85	8.0	26.0	0.31
F26	07 Aug 2019	90	10.36	86.21	4.0	33.85	8.0	26.0	0.31
F26	07 Aug 2019	91	10.36	86.13	4.0	33.85	8.0	26.0	0.31
F26	07 Aug 2019	92	10.33	85.91	4.0	33.86	8.0	26.0	0.30
F26	07 Aug 2019	93	10.32	85.94	4.0	33.86	8.0	26.0	0.31
F26	07 Aug 2019	94	10.30	85.99	4.0	33.86	8.0	26.0	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F26	07 Aug 2019	95	10.30	85.87	4.0	33.86	8.0	26.0	0.30
F26	07 Aug 2019	96	10.30	85.99	4.0	33.86	8.0	26.0	0.30
F26	07 Aug 2019	97	10.29	85.98	3.9	33.87	8.0	26.0	0.30
F26	07 Aug 2019	98	10.28	86.09	3.9	33.87	8.0	26.0	0.30
F26	07 Aug 2019	99	10.27	86.13	3.9	33.87	8.0	26.0	0.30
F26	07 Aug 2019	100	10.29	86.03	3.9	33.87	8.0	26.0	0.30
F27	07 Aug 2019	1	20.05	72.25	9.4	33.68	8.3	23.7	1.52
F27	07 Aug 2019	2	19.98	72.50	9.4	33.68	8.3	23.8	1.56
F27	07 Aug 2019	3	19.57	73.22	9.5	33.71	8.3	23.9	1.66
F27	07 Aug 2019	4	17.67	74.30	10.8	33.76	8.3	24.4	2.22
F27	07 Aug 2019	5	16.12	71.42	11.2	33.66	8.4	24.7	3.16
F27	07 Aug 2019	6	15.23	69.94	10.3	33.64	8.4	24.9	3.69
F27	07 Aug 2019	7	14.80	70.77	9.4	33.60	8.3	24.9	4.18
F27	07 Aug 2019	8	14.44	73.02	8.5	33.60	8.3	25.0	4.27
F27	07 Aug 2019	9	13.46	76.51	7.5	33.64	8.3	25.2	3.93
F27	07 Aug 2019	10	12.46	77.66	6.9	33.59	8.3	25.4	6.25
F27	07 Aug 2019	11	12.33	81.43	6.6	33.57	8.3	25.4	4.26
F27	07 Aug 2019	12	12.30	85.37	6.5	33.57	8.3	25.4	2.30
F27	07 Aug 2019	13	12.25	86.38	6.5	33.58	8.3	25.4	1.59
F27	07 Aug 2019	14	12.16	86.85	6.4	33.59	8.3	25.5	1.22
F27	07 Aug 2019	15	11.96	87.20	6.2	33.62	8.3	25.5	1.13
F27	07 Aug 2019	16	11.88	87.46	6.1	33.63	8.3	25.5	1.05
F27	07 Aug 2019	17	11.84	87.69	6.0	33.64	8.2	25.6	1.00
F27	07 Aug 2019	18	11.82	87.77	5.9	33.64	8.2	25.6	0.95
F27	07 Aug 2019	19	11.79	87.84	5.9	33.65	8.2	25.6	0.91
F27	07 Aug 2019	20	11.74	87.90	5.9	33.66	8.2	25.6	0.88
F27	07 Aug 2019	21	11.75	87.99	5.8	33.66	8.2	25.6	0.86
F27	07 Aug 2019	22	11.72	87.95	5.8	33.66	8.2	25.6	0.88
F27	07 Aug 2019	23	11.71	87.94	5.8	33.66	8.2	25.6	0.82
F27	07 Aug 2019	24	11.67	87.97	5.7	33.67	8.2	25.6	0.82
F27	07 Aug 2019	25	11.67	88.10	5.7	33.67	8.2	25.6	0.82
F27	07 Aug 2019	26	11.58	88.15	5.6	33.69	8.2	25.6	0.77
F27	07 Aug 2019	27	11.44	88.18	5.4	33.70	8.2	25.7	0.68
F27	07 Aug 2019	28	11.40	88.12	5.3	33.70	8.2	25.7	0.68
F27	07 Aug 2019	29	11.35	88.01	5.2	33.70	8.2	25.7	0.64
F27	07 Aug 2019	30	11.31	87.92	5.1	33.70	8.2	25.7	0.60
F27	07 Aug 2019	31	11.32	87.86	5.1	33.70	8.2	25.7	0.59
F27	07 Aug 2019	32	11.27	87.82	5.0	33.70	8.2	25.7	0.57
F27	07 Aug 2019	33	11.28	87.81	5.0	33.70	8.2	25.7	0.56
F27	07 Aug 2019	34	11.25	87.73	5.0	33.70	8.2	25.7	0.55
F27	07 Aug 2019	35	11.25	87.75	5.0	33.70	8.2	25.7	0.54
F27	07 Aug 2019	36	11.24	87.73	5.0	33.70	8.2	25.7	0.53
F27	07 Aug 2019	37	11.22	87.69	5.0	33.70	8.2	25.7	0.52
F27	07 Aug 2019	38	11.20	87.67	4.9	33.70	8.2	25.7	0.52
F27	07 Aug 2019	39	11.20	87.62	4.9	33.70	8.1	25.7	0.51
F27	07 Aug 2019	40	11.17	87.60	4.9	33.70	8.1	25.7	0.53
F27	07 Aug 2019	41	11.17	87.60	4.9	33.70	8.1	25.7	0.49
F27	07 Aug 2019	42	11.16	87.61	4.9	33.70	8.1	25.7	0.49
F27	07 Aug 2019	43	11.15	87.55	4.9	33.70	8.1	25.7	0.51
F27	07 Aug 2019	44	11.14	87.45	4.9	33.70	8.1	25.7	0.49
F27	07 Aug 2019	45	11.13	87.57	4.9	33.70	8.1	25.7	0.49
F27	07 Aug 2019	46	11.13	87.57	4.8	33.70	8.1	25.7	0.48
F27	07 Aug 2019	47	11.10	87.61	4.8	33.71	8.1	25.8	0.46
F27	07 Aug 2019	48	11.08	87.57	4.8	33.71	8.1	25.8	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F27	07 Aug 2019	49	11.05	87.54	4.8	33.72	8.1	25.8	0.48
F27	07 Aug 2019	50	11.04	87.40	4.8	33.72	8.1	25.8	0.44
F27	07 Aug 2019	51	11.04	87.59	4.8	33.72	8.1	25.8	0.45
F27	07 Aug 2019	52	11.03	87.52	4.7	33.72	8.1	25.8	0.43
F27	07 Aug 2019	53	11.01	87.57	4.7	33.72	8.1	25.8	0.42
F27	07 Aug 2019	54	11.00	87.45	4.7	33.72	8.1	25.8	0.42
F27	07 Aug 2019	55	11.00	87.54	4.7	33.72	8.1	25.8	0.42
F27	07 Aug 2019	56	11.00	87.58	4.7	33.72	8.1	25.8	0.41
F27	07 Aug 2019	57	11.00	87.58	4.7	33.72	8.1	25.8	0.41
F27	07 Aug 2019	58	10.99	87.56	4.7	33.73	8.1	25.8	0.41
F27	07 Aug 2019	59	10.99	87.58	4.7	33.73	8.1	25.8	0.41
F27	07 Aug 2019	60	10.99	87.59	4.7	33.73	8.1	25.8	0.41
F27	07 Aug 2019	61	10.99	87.56	4.7	33.73	8.1	25.8	0.42
F27	07 Aug 2019	62	10.99	87.59	4.7	33.73	8.1	25.8	0.42
F27	07 Aug 2019	63	10.98	87.55	4.7	33.73	8.1	25.8	0.44
F27	07 Aug 2019	64	10.98	87.59	4.7	33.73	8.1	25.8	0.46
F27	07 Aug 2019	65	10.97	87.60	4.7	33.73	8.1	25.8	0.42
F27	07 Aug 2019	66	10.95	87.57	4.7	33.73	8.1	25.8	0.41
F27	07 Aug 2019	67	10.94	87.61	4.6	33.73	8.1	25.8	0.39
F27	07 Aug 2019	68	10.91	87.58	4.6	33.74	8.1	25.8	0.39
F27	07 Aug 2019	69	10.88	87.63	4.6	33.74	8.1	25.8	0.39
F27	07 Aug 2019	70	10.85	87.56	4.5	33.75	8.1	25.8	0.38
F27	07 Aug 2019	71	10.80	87.48	4.5	33.76	8.1	25.8	0.38
F27	07 Aug 2019	72	10.75	87.29	4.4	33.77	8.1	25.9	0.38
F27	07 Aug 2019	73	10.74	87.23	4.4	33.77	8.1	25.9	0.37
F27	07 Aug 2019	74	10.74	87.18	4.4	33.77	8.1	25.9	0.37
F27	07 Aug 2019	75	10.73	87.17	4.4	33.77	8.1	25.9	0.37
F27	07 Aug 2019	76	10.72	87.16	4.4	33.77	8.1	25.9	0.37
F27	07 Aug 2019	77	10.72	87.10	4.4	33.77	8.1	25.9	0.36
F27	07 Aug 2019	78	10.71	87.07	4.4	33.77	8.1	25.9	0.36
F27	07 Aug 2019	79	10.71	87.08	4.4	33.78	8.0	25.9	0.36
F27	07 Aug 2019	80	10.69	87.01	4.4	33.78	8.0	25.9	0.36
F27	07 Aug 2019	81	10.67	87.01	4.3	33.78	8.0	25.9	0.36
F27	07 Aug 2019	82	10.66	86.94	4.3	33.79	8.0	25.9	0.36
F27	07 Aug 2019	83	10.66	86.92	4.3	33.79	8.0	25.9	0.36
F27	07 Aug 2019	84	10.65	86.87	4.3	33.79	8.0	25.9	0.37
F27	07 Aug 2019	85	10.63	86.80	4.3	33.79	8.0	25.9	0.35
F27	07 Aug 2019	86	10.62	86.74	4.3	33.79	8.0	25.9	0.35
F27	07 Aug 2019	87	10.62	86.70	4.3	33.80	8.0	25.9	0.34
F27	07 Aug 2019	88	10.58	86.54	4.3	33.80	8.0	25.9	0.35
F27	07 Aug 2019	89	10.59	86.47	4.2	33.80	8.0	25.9	0.34
F27	07 Aug 2019	90	10.56	86.50	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	91	10.55	86.31	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	92	10.54	86.30	4.2	33.81	8.0	25.9	0.35
F27	07 Aug 2019	93	10.53	86.08	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	94	10.52	85.85	4.2	33.81	8.0	25.9	0.35
F27	07 Aug 2019	95	10.52	85.86	4.2	33.81	8.0	25.9	0.35
F27	07 Aug 2019	96	10.52	85.88	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	97	10.52	85.92	4.2	33.81	8.0	25.9	0.33
F27	07 Aug 2019	98	10.53	85.88	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	99	10.53	85.65	4.2	33.81	8.0	25.9	0.34
F27	07 Aug 2019	100	10.53	85.49	4.2	33.81	8.0	25.9	0.34
F28	07 Aug 2019	1	19.47	74.28	9.3	33.65	8.3	23.9	1.19
F28	07 Aug 2019	2	19.06	74.97	9.4	33.68	8.3	24.0	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F28	07 Aug 2019	3	16.78	73.42	10.4	33.72	8.3	24.6	1.80
F28	07 Aug 2019	4	16.19	71.40	10.5	33.62	8.3	24.6	2.53
F28	07 Aug 2019	5	15.68	71.58	9.9	33.65	8.3	24.8	2.94
F28	07 Aug 2019	6	14.71	73.12	9.3	33.61	8.3	25.0	3.17
F28	07 Aug 2019	7	14.34	74.78	8.7	33.61	8.3	25.0	3.49
F28	07 Aug 2019	8	14.00	75.51	8.0	33.60	8.3	25.1	3.85
F28	07 Aug 2019	9	12.94	79.08	7.4	33.59	8.3	25.3	3.71
F28	07 Aug 2019	10	12.80	81.45	7.1	33.55	8.2	25.3	3.46
F28	07 Aug 2019	11	12.82	81.56	7.0	33.55	8.2	25.3	3.55
F28	07 Aug 2019	12	12.62	81.11	6.8	33.56	8.2	25.4	3.48
F28	07 Aug 2019	13	12.27	85.87	6.6	33.59	8.2	25.4	2.52
F28	07 Aug 2019	14	12.23	86.58	6.5	33.58	8.2	25.4	1.66
F28	07 Aug 2019	15	12.25	85.46	6.4	33.59	8.2	25.4	1.45
F28	07 Aug 2019	16	12.13	87.05	6.3	33.60	8.2	25.5	1.31
F28	07 Aug 2019	17	12.11	87.20	6.3	33.60	8.2	25.5	1.19
F28	07 Aug 2019	18	12.00	87.45	6.2	33.62	8.2	25.5	1.06
F28	07 Aug 2019	19	11.85	87.77	6.0	33.64	8.2	25.6	0.99
F28	07 Aug 2019	20	11.79	87.93	5.9	33.64	8.2	25.6	0.95
F28	07 Aug 2019	21	11.79	87.94	5.9	33.65	8.2	25.6	0.87
F28	07 Aug 2019	22	11.76	88.03	5.8	33.65	8.2	25.6	0.85
F28	07 Aug 2019	23	11.71	88.04	5.8	33.66	8.2	25.6	0.86
F28	07 Aug 2019	24	11.69	88.08	5.7	33.66	8.2	25.6	0.83
F28	07 Aug 2019	25	11.67	88.09	5.7	33.66	8.2	25.6	0.80
F28	07 Aug 2019	26	11.63	88.17	5.6	33.67	8.2	25.6	0.81
F28	07 Aug 2019	27	11.60	88.14	5.6	33.67	8.2	25.6	0.75
F28	07 Aug 2019	28	11.59	88.13	5.6	33.67	8.2	25.6	0.77
F28	07 Aug 2019	29	11.55	88.09	5.5	33.68	8.2	25.6	0.77
F28	07 Aug 2019	30	11.52	88.05	5.4	33.68	8.2	25.7	0.74
F28	07 Aug 2019	31	11.47	88.02	5.3	33.69	8.2	25.7	0.72
F28	07 Aug 2019	32	11.41	87.97	5.3	33.69	8.2	25.7	0.67
F28	07 Aug 2019	33	11.37	87.89	5.2	33.70	8.2	25.7	0.65
F28	07 Aug 2019	34	11.28	87.73	5.1	33.70	8.2	25.7	0.61
F28	07 Aug 2019	35	11.28	87.76	5.1	33.69	8.1	25.7	0.60
F28	07 Aug 2019	36	11.28	87.77	5.1	33.69	8.1	25.7	0.59
F28	07 Aug 2019	37	11.28	87.76	5.1	33.69	8.1	25.7	0.57
F28	07 Aug 2019	38	11.27	87.74	5.0	33.69	8.1	25.7	0.57
F28	07 Aug 2019	39	11.26	87.75	5.0	33.69	8.1	25.7	0.57
F28	07 Aug 2019	40	11.26	87.67	5.1	33.69	8.1	25.7	0.58
F28	07 Aug 2019	41	11.25	87.71	5.0	33.69	8.1	25.7	0.57
F28	07 Aug 2019	42	11.24	87.63	5.0	33.70	8.1	25.7	0.58
F28	07 Aug 2019	43	11.24	87.74	5.0	33.69	8.1	25.7	0.57
F28	07 Aug 2019	44	11.24	87.73	5.0	33.70	8.1	25.7	0.60
F28	07 Aug 2019	45	11.23	87.72	5.0	33.70	8.1	25.7	0.57
F28	07 Aug 2019	46	11.22	87.64	5.0	33.70	8.1	25.7	0.54
F28	07 Aug 2019	47	11.21	87.68	5.0	33.70	8.1	25.7	0.54
F28	07 Aug 2019	48	11.22	87.67	5.0	33.70	8.1	25.7	0.55
F28	07 Aug 2019	49	11.21	87.68	5.0	33.70	8.1	25.7	0.57
F28	07 Aug 2019	50	11.21	87.68	5.0	33.70	8.1	25.7	0.53
F28	07 Aug 2019	51	11.20	87.69	5.0	33.70	8.1	25.7	0.55
F28	07 Aug 2019	52	11.17	87.73	4.9	33.70	8.1	25.7	0.54
F28	07 Aug 2019	53	11.13	87.72	4.9	33.71	8.1	25.8	0.51
F28	07 Aug 2019	54	11.08	87.63	4.8	33.72	8.1	25.8	0.49
F28	07 Aug 2019	55	11.07	87.59	4.8	33.72	8.1	25.8	0.47
F28	07 Aug 2019	56	11.04	87.48	4.8	33.72	8.1	25.8	0.46
F28	07 Aug 2019	57	11.03	87.47	4.8	33.72	8.1	25.8	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F28	07 Aug 2019	58	11.02	87.37	4.7	33.72	8.1	25.8	0.45
F28	07 Aug 2019	59	11.01	87.32	4.7	33.72	8.1	25.8	0.45
F28	07 Aug 2019	60	11.01	87.32	4.7	33.72	8.1	25.8	0.44
F28	07 Aug 2019	61	11.01	87.21	4.7	33.72	8.1	25.8	0.44
F28	07 Aug 2019	62	11.00	87.26	4.7	33.72	8.1	25.8	0.43
F28	07 Aug 2019	63	10.99	87.26	4.7	33.73	8.1	25.8	0.44
F28	07 Aug 2019	64	10.99	87.26	4.7	33.73	8.1	25.8	0.45
F28	07 Aug 2019	65	10.98	87.23	4.7	33.73	8.1	25.8	0.46
F28	07 Aug 2019	66	10.98	87.20	4.7	33.73	8.1	25.8	0.44
F28	07 Aug 2019	67	10.97	87.12	4.6	33.73	8.1	25.8	0.43
F28	07 Aug 2019	68	10.96	87.00	4.6	33.73	8.1	25.8	0.42
F28	07 Aug 2019	69	10.95	87.07	4.6	33.73	8.1	25.8	0.42
F28	07 Aug 2019	70	10.92	87.01	4.6	33.74	8.1	25.8	0.42
F28	07 Aug 2019	71	10.87	86.89	4.6	33.75	8.1	25.8	0.43
F28	07 Aug 2019	72	10.86	86.77	4.5	33.75	8.1	25.8	0.40
F28	07 Aug 2019	73	10.85	86.80	4.5	33.75	8.1	25.8	0.41
F28	07 Aug 2019	74	10.85	86.88	4.5	33.75	8.1	25.8	0.40
F28	07 Aug 2019	75	10.84	86.86	4.5	33.75	8.1	25.8	0.40
F28	07 Aug 2019	76	10.84	86.84	4.5	33.75	8.1	25.8	0.40
F28	07 Aug 2019	77	10.83	86.90	4.5	33.75	8.1	25.8	0.40
F28	07 Aug 2019	78	10.83	86.88	4.5	33.75	8.1	25.8	0.39
F28	07 Aug 2019	79	10.81	86.83	4.5	33.76	8.1	25.8	0.39
F28	07 Aug 2019	80	10.80	86.79	4.5	33.76	8.1	25.8	0.39
F28	07 Aug 2019	81	10.78	86.86	4.5	33.76	8.0	25.9	0.38
F28	07 Aug 2019	82	10.76	86.82	4.4	33.77	8.0	25.9	0.38
F28	07 Aug 2019	83	10.73	86.75	4.4	33.77	8.0	25.9	0.38
F28	07 Aug 2019	84	10.69	86.67	4.3	33.78	8.0	25.9	0.37
F28	07 Aug 2019	85	10.67	86.73	4.3	33.78	8.0	25.9	0.37
F28	07 Aug 2019	86	10.63	86.71	4.3	33.79	8.0	25.9	0.37
F28	07 Aug 2019	87	10.61	86.70	4.3	33.79	8.0	25.9	0.36
F28	07 Aug 2019	88	10.60	86.66	4.3	33.79	8.0	25.9	0.35
F28	07 Aug 2019	89	10.60	86.66	4.3	33.80	8.0	25.9	0.37
F28	07 Aug 2019	90	10.60	86.63	4.3	33.80	8.0	25.9	0.36
F28	07 Aug 2019	91	10.59	86.64	4.3	33.80	8.0	25.9	0.36
F28	07 Aug 2019	92	10.59	86.53	4.3	33.80	8.0	25.9	0.35
F28	07 Aug 2019	93	10.58	86.24	4.2	33.80	8.0	25.9	0.35
F28	07 Aug 2019	94	10.55	86.04	4.2	33.81	8.0	25.9	0.35
F28	07 Aug 2019	95	10.53	85.66	4.2	33.81	8.0	25.9	0.35
F28	07 Aug 2019	96	10.51	85.14	4.2	33.81	8.0	25.9	0.35
F28	07 Aug 2019	97	10.49	85.22	4.2	33.82	8.0	25.9	0.34
F28	07 Aug 2019	98	10.48	85.01	4.2	33.82	8.0	25.9	0.35
F28	07 Aug 2019	99	10.46	84.72	4.1	33.82	8.0	26.0	0.35
F28	07 Aug 2019	100	10.46	84.43	4.1	33.82	8.0	26.0	0.34
F28	07 Aug 2019	101	10.47	80.62	4.1	33.82	8.0	25.9	0.34
F29	07 Aug 2019	1	19.16	73.45	9.3	33.66	8.3	24.0	1.33
F29	07 Aug 2019	2	19.04	73.65	9.4	33.66	8.3	24.0	1.37
F29	07 Aug 2019	3	18.87	73.72	9.4	33.66	8.3	24.0	1.51
F29	07 Aug 2019	4	18.72	74.18	9.3	33.66	8.3	24.1	1.58
F29	07 Aug 2019	5	18.36	74.70	9.4	33.66	8.3	24.2	1.68
F29	07 Aug 2019	6	17.96	75.25	9.3	33.66	8.3	24.3	1.78
F29	07 Aug 2019	7	17.39	75.80	9.3	33.66	8.3	24.4	1.85
F29	07 Aug 2019	8	16.77	75.76	9.4	33.65	8.3	24.5	2.02
F29	07 Aug 2019	9	16.63	75.60	9.1	33.64	8.3	24.6	2.18
F29	07 Aug 2019	10	15.19	75.88	8.8	33.68	8.3	24.9	2.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F29	07 Aug 2019	11	14.24	75.87	8.5	33.64	8.3	25.1	2.81
F29	07 Aug 2019	12	13.52	76.03	7.9	33.60	8.3	25.2	3.55
F29	07 Aug 2019	13	13.40	76.00	7.6	33.58	8.3	25.2	4.25
F29	07 Aug 2019	14	13.09	76.42	7.2	33.59	8.2	25.3	4.39
F29	07 Aug 2019	15	12.86	78.50	6.9	33.58	8.2	25.3	4.34
F29	07 Aug 2019	16	12.82	80.05	6.8	33.58	8.2	25.3	4.32
F29	07 Aug 2019	17	12.80	80.35	6.8	33.58	8.2	25.3	4.33
F29	07 Aug 2019	18	12.75	80.58	6.8	33.59	8.2	25.3	4.20
F29	07 Aug 2019	19	12.72	81.39	6.7	33.59	8.2	25.4	3.86
F29	07 Aug 2019	20	12.62	82.29	6.7	33.60	8.2	25.4	3.11
F29	07 Aug 2019	21	12.50	84.16	6.6	33.61	8.2	25.4	2.26
F29	07 Aug 2019	22	12.35	85.67	6.5	33.61	8.2	25.4	1.68
F29	07 Aug 2019	23	12.24	86.16	6.4	33.62	8.2	25.5	1.43
F29	07 Aug 2019	24	12.16	86.53	6.3	33.62	8.2	25.5	1.31
F29	07 Aug 2019	25	12.11	86.72	6.3	33.62	8.2	25.5	1.30
F29	07 Aug 2019	26	11.97	86.99	6.1	33.63	8.2	25.5	1.36
F29	07 Aug 2019	27	11.92	87.18	6.0	33.63	8.2	25.5	1.27
F29	07 Aug 2019	28	11.88	87.02	5.9	33.64	8.2	25.6	1.18
F29	07 Aug 2019	29	11.86	87.28	5.9	33.64	8.2	25.6	1.08
F29	07 Aug 2019	30	11.82	87.42	5.8	33.65	8.2	25.6	1.06
F29	07 Aug 2019	31	11.70	87.51	5.8	33.66	8.2	25.6	1.02
F29	07 Aug 2019	32	11.66	87.48	5.7	33.66	8.2	25.6	0.95
F29	07 Aug 2019	33	11.59	87.58	5.6	33.66	8.2	25.6	0.92
F29	07 Aug 2019	34	11.53	87.59	5.5	33.67	8.2	25.6	0.85
F29	07 Aug 2019	35	11.43	87.63	5.4	33.67	8.2	25.7	0.78
F29	07 Aug 2019	36	11.33	87.81	5.3	33.69	8.2	25.7	0.71
F29	07 Aug 2019	37	11.30	87.80	5.2	33.69	8.1	25.7	0.74
F29	07 Aug 2019	38	11.24	87.73	5.2	33.70	8.1	25.7	0.63
F29	07 Aug 2019	39	11.20	87.75	5.1	33.70	8.1	25.7	0.60
F29	07 Aug 2019	40	11.18	87.73	5.0	33.70	8.1	25.7	0.59
F29	07 Aug 2019	41	11.18	87.76	5.0	33.70	8.1	25.7	0.56
F29	07 Aug 2019	42	11.17	87.75	5.0	33.70	8.1	25.7	0.56
F29	07 Aug 2019	43	11.15	87.72	5.0	33.71	8.1	25.7	0.55
F29	07 Aug 2019	44	11.12	87.62	4.9	33.71	8.1	25.8	0.51
F29	07 Aug 2019	45	11.11	87.53	4.9	33.71	8.1	25.8	0.51
F29	07 Aug 2019	46	11.11	87.56	4.9	33.71	8.1	25.8	0.51
F29	07 Aug 2019	47	11.11	87.52	4.9	33.71	8.1	25.8	0.53
F29	07 Aug 2019	48	11.11	87.60	4.9	33.71	8.1	25.8	0.51
F29	07 Aug 2019	49	11.11	87.57	4.9	33.71	8.1	25.8	0.50
F29	07 Aug 2019	50	11.10	87.57	4.9	33.71	8.1	25.8	0.51
F29	07 Aug 2019	51	11.08	87.57	4.8	33.72	8.1	25.8	0.49
F29	07 Aug 2019	52	11.06	87.46	4.8	33.72	8.1	25.8	0.47
F29	07 Aug 2019	53	11.06	87.40	4.8	33.72	8.1	25.8	0.47
F29	07 Aug 2019	54	11.04	87.33	4.8	33.72	8.1	25.8	0.46
F29	07 Aug 2019	55	11.04	87.30	4.8	33.72	8.1	25.8	0.46
F29	07 Aug 2019	56	11.03	87.33	4.8	33.72	8.1	25.8	0.46
F29	07 Aug 2019	57	11.03	87.36	4.8	33.72	8.1	25.8	0.46
F29	07 Aug 2019	58	11.01	87.36	4.7	33.72	8.1	25.8	0.46
F29	07 Aug 2019	59	10.98	87.34	4.7	33.73	8.1	25.8	0.44
F29	07 Aug 2019	60	10.95	87.23	4.7	33.73	8.1	25.8	0.44
F29	07 Aug 2019	61	10.95	87.14	4.6	33.73	8.1	25.8	0.43
F29	07 Aug 2019	62	10.94	87.08	4.6	33.73	8.1	25.8	0.43
F29	07 Aug 2019	63	10.93	87.03	4.6	33.73	8.1	25.8	0.43
F29	07 Aug 2019	64	10.92	87.03	4.6	33.73	8.1	25.8	0.42
F29	07 Aug 2019	65	10.91	86.94	4.6	33.74	8.1	25.8	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F29	07 Aug 2019	66	10.87	86.79	4.5	33.74	8.1	25.8	0.41
F29	07 Aug 2019	67	10.87	86.67	4.5	33.74	8.1	25.8	0.42
F29	07 Aug 2019	68	10.83	86.56	4.5	33.75	8.1	25.8	0.40
F29	07 Aug 2019	69	10.80	86.47	4.4	33.76	8.1	25.8	0.40
F29	07 Aug 2019	70	10.78	86.36	4.4	33.76	8.1	25.8	0.41
F29	07 Aug 2019	71	10.77	86.29	4.4	33.76	8.1	25.9	0.40
F29	07 Aug 2019	72	10.75	86.15	4.4	33.77	8.0	25.9	0.39
F29	07 Aug 2019	73	10.75	86.14	4.4	33.77	8.0	25.9	0.39
F29	07 Aug 2019	74	10.74	86.10	4.4	33.77	8.0	25.9	0.39
F29	07 Aug 2019	75	10.71	85.99	4.3	33.77	8.0	25.9	0.39
F29	07 Aug 2019	76	10.69	85.87	4.3	33.78	8.0	25.9	0.38
F29	07 Aug 2019	77	10.66	85.78	4.3	33.78	8.0	25.9	0.38
F29	07 Aug 2019	78	10.66	85.81	4.3	33.78	8.0	25.9	0.39
F29	07 Aug 2019	79	10.65	85.75	4.3	33.78	8.0	25.9	0.37
F29	07 Aug 2019	80	10.64	85.63	4.3	33.78	8.0	25.9	0.36
F29	07 Aug 2019	81	10.64	85.31	4.3	33.78	8.0	25.9	0.36
F29	07 Aug 2019	82	10.64	85.41	4.3	33.78	8.0	25.9	0.37
F29	07 Aug 2019	83	10.64	85.43	4.3	33.79	8.0	25.9	0.37
F29	07 Aug 2019	84	10.62	85.45	4.2	33.79	8.0	25.9	0.37
F29	07 Aug 2019	85	10.58	85.07	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	86	10.57	84.56	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	87	10.57	84.48	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	88	10.58	84.51	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	89	10.58	84.48	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	90	10.57	84.28	4.2	33.80	8.0	25.9	0.37
F29	07 Aug 2019	91	10.57	84.45	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	92	10.55	84.23	4.2	33.80	8.0	25.9	0.36
F29	07 Aug 2019	93	10.52	84.13	4.2	33.81	8.0	25.9	0.36
F29	07 Aug 2019	94	10.52	84.03	4.2	33.81	8.0	25.9	0.35
F29	07 Aug 2019	95	10.52	84.09	4.2	33.81	8.0	25.9	0.36
F29	07 Aug 2019	96	10.52	83.96	4.2	33.81	8.0	25.9	0.36
F29	07 Aug 2019	97	10.51	83.86	4.1	33.81	8.0	25.9	0.36
F29	07 Aug 2019	98	10.51	83.99	4.1	33.81	8.0	25.9	0.35
F29	07 Aug 2019	99	10.50	83.72	4.1	33.81	8.0	25.9	0.35
F29	07 Aug 2019	100	10.51	83.43	4.1	33.81	8.0	25.9	0.36
F30	07 Aug 2019	1	18.37	74.29	9.4	33.65	8.3	24.1	1.67
F30	07 Aug 2019	2	18.25	74.49	9.3	33.64	8.3	24.2	1.77
F30	07 Aug 2019	3	17.88	75.18	9.2	33.67	8.3	24.3	1.88
F30	07 Aug 2019	4	17.33	75.95	9.3	33.64	8.3	24.4	2.00
F30	07 Aug 2019	5	17.33	76.00	9.2	33.63	8.3	24.4	2.14
F30	07 Aug 2019	6	16.60	76.08	9.0	33.66	8.3	24.6	2.35
F30	07 Aug 2019	7	15.65	75.84	8.9	33.63	8.3	24.8	2.85
F30	07 Aug 2019	8	14.80	75.90	8.5	33.65	8.3	25.0	3.16
F30	07 Aug 2019	9	13.55	76.43	8.0	33.61	8.3	25.2	3.70
F30	07 Aug 2019	10	13.13	76.24	7.5	33.58	8.3	25.3	4.52
F30	07 Aug 2019	11	13.03	76.81	7.4	33.57	8.2	25.3	4.98
F30	07 Aug 2019	12	13.03	77.19	7.2	33.57	8.2	25.3	5.00
F30	07 Aug 2019	13	12.83	78.48	7.1	33.58	8.2	25.3	4.51
F30	07 Aug 2019	14	12.66	80.76	6.9	33.58	8.2	25.4	4.01
F30	07 Aug 2019	15	12.62	82.11	6.9	33.58	8.2	25.4	3.36
F30	07 Aug 2019	16	12.57	82.70	6.8	33.58	8.2	25.4	3.07
F30	07 Aug 2019	17	12.54	83.05	6.8	33.58	8.2	25.4	2.75
F30	07 Aug 2019	18	12.50	83.49	6.8	33.59	8.2	25.4	2.62
F30	07 Aug 2019	19	12.50	83.79	6.7	33.59	8.2	25.4	2.42

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	07 Aug 2019	20	12.44	84.11	6.7	33.60	8.2	25.4	2.22
F30	07 Aug 2019	21	12.39	84.53	6.5	33.60	8.2	25.4	2.00
F30	07 Aug 2019	22	12.19	85.55	6.3	33.62	8.2	25.5	1.74
F30	07 Aug 2019	23	11.97	86.60	6.2	33.63	8.2	25.5	1.43
F30	07 Aug 2019	24	11.95	87.21	6.1	33.62	8.2	25.5	1.29
F30	07 Aug 2019	25	11.87	87.15	6.0	33.63	8.2	25.6	1.18
F30	07 Aug 2019	26	11.77	87.24	5.9	33.64	8.2	25.6	1.09
F30	07 Aug 2019	27	11.72	87.35	5.8	33.64	8.2	25.6	1.05
F30	07 Aug 2019	28	11.69	87.39	5.7	33.64	8.2	25.6	1.01
F30	07 Aug 2019	29	11.65	87.36	5.7	33.65	8.2	25.6	0.98
F30	07 Aug 2019	30	11.64	87.43	5.7	33.65	8.2	25.6	0.94
F30	07 Aug 2019	31	11.63	87.50	5.7	33.65	8.2	25.6	0.94
F30	07 Aug 2019	32	11.63	87.54	5.6	33.65	8.2	25.6	0.92
F30	07 Aug 2019	33	11.63	87.47	5.6	33.65	8.2	25.6	0.88
F30	07 Aug 2019	34	11.60	87.40	5.6	33.66	8.2	25.6	0.90
F30	07 Aug 2019	35	11.53	87.57	5.6	33.66	8.2	25.6	0.86
F30	07 Aug 2019	36	11.46	87.79	5.6	33.67	8.2	25.7	0.82
F30	07 Aug 2019	37	11.41	87.95	5.5	33.67	8.2	25.7	0.77
F30	07 Aug 2019	38	11.40	87.99	5.5	33.67	8.1	25.7	0.73
F30	07 Aug 2019	39	11.33	87.90	5.4	33.68	8.1	25.7	0.68
F30	07 Aug 2019	40	11.31	87.92	5.3	33.68	8.1	25.7	0.70
F30	07 Aug 2019	41	11.30	87.86	5.3	33.69	8.1	25.7	0.65
F30	07 Aug 2019	42	11.29	87.78	5.2	33.69	8.1	25.7	0.65
F30	07 Aug 2019	43	11.27	87.68	5.2	33.69	8.1	25.7	0.62
F30	07 Aug 2019	44	11.27	87.57	5.1	33.69	8.1	25.7	0.61
F30	07 Aug 2019	45	11.25	87.40	5.0	33.70	8.1	25.7	0.58
F30	07 Aug 2019	46	11.24	87.18	5.0	33.70	8.1	25.7	0.57
F30	07 Aug 2019	47	11.23	86.97	5.0	33.70	8.1	25.7	0.58
F30	07 Aug 2019	48	11.22	86.62	4.9	33.70	8.1	25.7	0.55
F30	07 Aug 2019	49	11.18	86.31	4.8	33.70	8.1	25.7	0.55
F30	07 Aug 2019	50	11.16	85.90	4.8	33.71	8.1	25.7	0.53
F30	07 Aug 2019	51	11.15	85.65	4.8	33.71	8.1	25.7	0.52
F30	07 Aug 2019	52	11.12	85.68	4.7	33.71	8.1	25.8	0.49
F30	07 Aug 2019	53	11.06	85.48	4.7	33.71	8.1	25.8	0.47
F30	07 Aug 2019	54	10.99	84.50	4.6	33.70	8.1	25.8	0.45
F30	07 Aug 2019	55	10.94	83.59	4.5	33.69	8.1	25.8	0.44
F30	07 Aug 2019	56	10.87	82.81	4.5	33.69	8.1	25.8	0.44
F30	07 Aug 2019	57	10.81	81.71	4.4	33.68	8.1	25.8	0.41
F30	07 Aug 2019	58	10.81	81.77	4.4	33.68	8.1	25.8	0.39
F30	07 Aug 2019	59	10.81	81.72	4.4	33.68	8.1	25.8	0.39
F30	07 Aug 2019	60	10.77	81.42	4.3	33.68	8.1	25.8	0.39
F30	07 Aug 2019	61	10.77	81.22	4.3	33.68	8.1	25.8	0.38
F30	07 Aug 2019	62	10.77	81.13	4.3	33.68	8.1	25.8	0.38
F30	07 Aug 2019	63	10.76	80.99	4.3	33.68	8.1	25.8	0.38
F30	07 Aug 2019	64	10.75	80.97	4.3	33.68	8.1	25.8	0.39
F30	07 Aug 2019	65	10.74	81.02	4.3	33.68	8.1	25.8	0.37
F30	07 Aug 2019	66	10.74	80.93	4.3	33.68	8.1	25.8	0.37
F30	07 Aug 2019	67	10.71	80.98	4.3	33.68	8.1	25.8	0.37
F30	07 Aug 2019	68	10.72	81.61	4.3	33.69	8.1	25.8	0.37
F30	07 Aug 2019	69	10.73	82.04	4.3	33.69	8.1	25.8	0.37
F30	07 Aug 2019	70	10.75	82.53	4.3	33.70	8.1	25.8	0.36
F30	07 Aug 2019	71	10.76	83.33	4.3	33.71	8.0	25.8	0.37
F30	07 Aug 2019	72	10.76	83.72	4.3	33.72	8.0	25.8	0.37
F30	07 Aug 2019	73	10.76	83.73	4.3	33.72	8.0	25.8	0.37
F30	07 Aug 2019	74	10.76	83.67	4.3	33.72	8.0	25.8	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F30	07 Aug 2019	75	10.76	83.81	4.3	33.72	8.0	25.8	0.37
F30	07 Aug 2019	76	10.72	84.12	4.3	33.73	8.0	25.8	0.36
F30	07 Aug 2019	77	10.65	83.94	4.3	33.75	8.0	25.9	0.36
F30	07 Aug 2019	78	10.63	84.26	4.2	33.76	8.0	25.9	0.35
F30	07 Aug 2019	79	10.62	84.37	4.2	33.76	8.0	25.9	0.36
F30	07 Aug 2019	80	10.62	84.52	4.2	33.76	8.0	25.9	0.34
F30	07 Aug 2019	81	10.61	84.52	4.2	33.76	8.0	25.9	0.34
F30	07 Aug 2019	82	10.60	84.62	4.2	33.76	8.0	25.9	0.34
F30	07 Aug 2019	83	10.60	84.64	4.2	33.76	8.0	25.9	0.34
F30	07 Aug 2019	84	10.59	84.73	4.2	33.76	8.0	25.9	0.35
F30	07 Aug 2019	85	10.58	84.86	4.2	33.76	8.0	25.9	0.35
F30	07 Aug 2019	86	10.58	85.10	4.2	33.77	8.0	25.9	0.34
F30	07 Aug 2019	87	10.55	85.66	4.2	33.79	8.0	25.9	0.33
F30	07 Aug 2019	88	10.53	85.54	4.2	33.79	8.0	25.9	0.34
F30	07 Aug 2019	89	10.49	85.42	4.2	33.79	8.0	25.9	0.33
F30	07 Aug 2019	90	10.48	85.28	4.1	33.80	8.0	25.9	0.33
F30	07 Aug 2019	91	10.45	85.34	4.1	33.80	8.0	25.9	0.33
F30	07 Aug 2019	92	10.41	85.39	4.1	33.81	8.0	25.9	0.33
F30	07 Aug 2019	93	10.40	85.51	4.1	33.81	8.0	26.0	0.32
F30	07 Aug 2019	94	10.39	85.40	4.1	33.81	8.0	26.0	0.33
F30	07 Aug 2019	95	10.37	85.00	4.0	33.82	8.0	26.0	0.32
F30	07 Aug 2019	96	10.31	84.34	4.0	33.84	8.0	26.0	0.32
F30	07 Aug 2019	97	10.29	84.41	4.0	33.85	8.0	26.0	0.32
F30	07 Aug 2019	98	10.27	84.09	4.0	33.85	8.0	26.0	0.32
F30	07 Aug 2019	99	10.29	82.68	4.0	33.84	8.0	26.0	0.32
F31	07 Aug 2019	1	18.13	74.41	9.3	33.63	8.3	24.2	1.66
F31	07 Aug 2019	2	17.95	75.59	9.4	33.65	8.3	24.2	1.76
F31	07 Aug 2019	3	17.87	75.88	9.4	33.63	8.3	24.3	1.89
F31	07 Aug 2019	4	17.81	75.91	9.3	33.64	8.3	24.3	1.96
F31	07 Aug 2019	5	17.48	76.11	9.3	33.65	8.3	24.4	2.08
F31	07 Aug 2019	6	17.21	76.42	9.2	33.64	8.3	24.4	2.12
F31	07 Aug 2019	7	16.63	76.79	9.2	33.66	8.3	24.6	2.31
F31	07 Aug 2019	8	16.24	76.37	9.0	33.62	8.3	24.6	2.71
F31	07 Aug 2019	9	15.26	76.27	8.6	33.70	8.3	24.9	3.15
F31	07 Aug 2019	10	14.01	75.93	8.4	33.63	8.3	25.1	3.84
F31	07 Aug 2019	11	13.59	75.50	8.2	33.59	8.3	25.2	4.77
F31	07 Aug 2019	12	13.57	75.96	8.1	33.56	8.3	25.2	5.21
F31	07 Aug 2019	13	13.26	76.90	7.7	33.60	8.3	25.3	5.28
F31	07 Aug 2019	14	12.82	79.96	7.3	33.58	8.2	25.3	4.43
F31	07 Aug 2019	15	12.69	83.04	7.1	33.58	8.2	25.4	3.64
F31	07 Aug 2019	16	12.73	82.57	7.0	33.57	8.2	25.3	3.00
F31	07 Aug 2019	17	12.40	85.24	6.7	33.60	8.2	25.4	2.40
F31	07 Aug 2019	18	12.14	86.33	6.5	33.61	8.2	25.5	1.94
F31	07 Aug 2019	19	12.07	86.60	6.4	33.60	8.2	25.5	1.59
F31	07 Aug 2019	20	12.04	86.74	6.3	33.61	8.2	25.5	1.32
F31	07 Aug 2019	21	11.94	86.92	6.2	33.61	8.2	25.5	1.31
F31	07 Aug 2019	22	11.93	86.98	6.2	33.62	8.2	25.5	1.18
F31	07 Aug 2019	23	11.91	86.89	6.1	33.62	8.2	25.5	1.17
F31	07 Aug 2019	24	11.87	87.03	6.1	33.62	8.2	25.5	1.12
F31	07 Aug 2019	25	11.83	87.16	6.0	33.63	8.2	25.6	1.07
F31	07 Aug 2019	26	11.83	87.23	6.0	33.63	8.2	25.6	1.08
F31	07 Aug 2019	27	11.82	87.24	6.0	33.63	8.2	25.6	1.09
F31	07 Aug 2019	28	11.78	87.23	5.9	33.63	8.2	25.6	1.02
F31	07 Aug 2019	29	11.72	87.47	5.9	33.64	8.2	25.6	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	07 Aug 2019	30	11.69	87.54	5.9	33.64	8.2	25.6	0.98
F31	07 Aug 2019	31	11.65	87.59	5.8	33.65	8.2	25.6	0.92
F31	07 Aug 2019	32	11.62	87.52	5.8	33.65	8.2	25.6	0.93
F31	07 Aug 2019	33	11.62	87.58	5.8	33.65	8.2	25.6	0.90
F31	07 Aug 2019	34	11.61	87.61	5.8	33.65	8.2	25.6	0.92
F31	07 Aug 2019	35	11.60	87.60	5.7	33.65	8.2	25.6	0.91
F31	07 Aug 2019	36	11.55	87.55	5.7	33.66	8.2	25.6	0.86
F31	07 Aug 2019	37	11.51	87.86	5.6	33.66	8.2	25.6	0.84
F31	07 Aug 2019	38	11.47	87.91	5.6	33.66	8.2	25.7	0.78
F31	07 Aug 2019	39	11.45	87.87	5.5	33.67	8.2	25.7	0.74
F31	07 Aug 2019	40	11.41	87.90	5.5	33.67	8.2	25.7	0.70
F31	07 Aug 2019	41	11.37	87.64	5.3	33.68	8.1	25.7	0.69
F31	07 Aug 2019	42	11.31	87.16	5.1	33.69	8.1	25.7	0.62
F31	07 Aug 2019	43	11.31	87.11	5.1	33.69	8.1	25.7	0.61
F31	07 Aug 2019	44	11.29	87.53	5.1	33.69	8.1	25.7	0.59
F31	07 Aug 2019	45	11.29	87.54	5.1	33.69	8.1	25.7	0.57
F31	07 Aug 2019	46	11.28	87.44	5.1	33.69	8.1	25.7	0.57
F31	07 Aug 2019	47	11.27	87.49	5.0	33.69	8.1	25.7	0.51
F31	07 Aug 2019	48	11.26	87.58	5.0	33.69	8.1	25.7	0.51
F31	07 Aug 2019	49	11.24	87.56	5.0	33.69	8.1	25.7	0.49
F31	07 Aug 2019	50	11.22	87.50	4.9	33.69	8.1	25.7	0.49
F31	07 Aug 2019	51	11.21	87.56	4.9	33.70	8.1	25.7	0.48
F31	07 Aug 2019	52	11.21	87.65	4.9	33.70	8.1	25.7	0.47
F31	07 Aug 2019	53	11.21	87.70	4.9	33.70	8.1	25.7	0.46
F31	07 Aug 2019	54	11.19	87.66	4.9	33.70	8.1	25.7	0.46
F31	07 Aug 2019	55	11.17	87.72	4.9	33.70	8.1	25.7	0.43
F31	07 Aug 2019	56	11.17	87.71	4.9	33.71	8.1	25.7	0.44
F31	07 Aug 2019	57	11.17	87.77	4.9	33.71	8.1	25.7	0.45
F31	07 Aug 2019	58	11.17	87.81	4.8	33.71	8.1	25.7	0.44
F31	07 Aug 2019	59	11.16	87.85	4.8	33.72	8.1	25.7	0.45
F31	07 Aug 2019	60	11.15	87.85	4.8	33.72	8.1	25.7	0.45
F31	07 Aug 2019	61	11.15	87.87	4.8	33.72	8.1	25.7	0.43
F31	07 Aug 2019	62	11.13	87.92	4.8	33.72	8.1	25.8	0.42
F31	07 Aug 2019	63	11.09	87.95	4.9	33.72	8.1	25.8	0.41
F31	07 Aug 2019	64	11.09	87.95	4.9	33.72	8.1	25.8	0.41
F31	07 Aug 2019	65	11.08	87.94	4.9	33.72	8.1	25.8	0.40
F31	07 Aug 2019	66	11.08	87.93	4.8	33.72	8.1	25.8	0.41
F31	07 Aug 2019	67	11.07	87.96	4.8	33.72	8.1	25.8	0.40
F31	07 Aug 2019	68	11.06	88.01	4.8	33.72	8.1	25.8	0.39
F31	07 Aug 2019	69	11.05	87.98	4.8	33.72	8.1	25.8	0.39
F31	07 Aug 2019	70	11.01	88.00	4.8	33.72	8.1	25.8	0.40
F31	07 Aug 2019	71	11.00	88.00	4.8	33.72	8.1	25.8	0.46
F31	07 Aug 2019	72	10.98	88.01	4.8	33.73	8.1	25.8	0.44
F31	07 Aug 2019	73	10.96	87.89	4.7	33.73	8.1	25.8	0.42
F31	07 Aug 2019	74	10.95	87.63	4.7	33.73	8.1	25.8	0.42
F31	07 Aug 2019	75	10.94	87.67	4.7	33.73	8.1	25.8	0.42
F31	07 Aug 2019	76	10.94	87.61	4.7	33.73	8.1	25.8	0.42
F31	07 Aug 2019	77	10.93	87.45	4.6	33.73	8.1	25.8	0.42
F31	07 Aug 2019	78	10.92	87.06	4.6	33.73	8.1	25.8	0.42
F31	07 Aug 2019	79	10.92	86.83	4.6	33.73	8.1	25.8	0.42
F31	07 Aug 2019	80	10.91	86.43	4.6	33.73	8.1	25.8	0.42
F31	07 Aug 2019	81	10.90	86.31	4.5	33.73	8.1	25.8	0.41
F31	07 Aug 2019	82	10.90	85.75	4.5	33.73	8.1	25.8	0.40
F31	07 Aug 2019	83	10.89	85.29	4.5	33.74	8.0	25.8	0.40
F31	07 Aug 2019	84	10.89	85.07	4.5	33.74	8.0	25.8	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F31	07 Aug 2019	85	10.87	84.78	4.4	33.74	8.0	25.8	0.40
F31	07 Aug 2019	86	10.82	84.41	4.4	33.75	8.0	25.8	0.40
F31	07 Aug 2019	87	10.79	84.40	4.4	33.76	8.0	25.8	0.39
F31	07 Aug 2019	88	10.72	84.15	4.3	33.77	8.0	25.9	0.39
F31	07 Aug 2019	89	10.68	84.30	4.3	33.77	8.0	25.9	0.38
F31	07 Aug 2019	90	10.68	84.21	4.2	33.77	8.0	25.9	0.37
F31	07 Aug 2019	91	10.64	83.97	4.2	33.78	8.0	25.9	0.37
F31	07 Aug 2019	92	10.61	83.69	4.2	33.79	8.0	25.9	0.37
F31	07 Aug 2019	93	10.59	83.85	4.2	33.79	8.0	25.9	0.36
F31	07 Aug 2019	94	10.56	83.52	4.2	33.80	8.0	25.9	0.36
F31	07 Aug 2019	95	10.53	83.43	4.2	33.80	8.0	25.9	0.36
F31	07 Aug 2019	96	10.50	83.30	4.1	33.81	8.0	25.9	0.42
F31	07 Aug 2019	97	10.46	83.40	4.1	33.82	8.0	26.0	0.35
F31	07 Aug 2019	98	10.36	83.59	4.1	33.84	8.0	26.0	0.34
F31	07 Aug 2019	99	10.39	83.82	4.1	33.83	8.0	26.0	0.31
F32	07 Aug 2019	1	18.87	74.23	9.6	33.66	8.3	24.0	1.86
F32	07 Aug 2019	2	18.77	74.73	9.6	33.66	8.3	24.1	1.86
F32	07 Aug 2019	3	18.49	75.49	9.4	33.66	8.3	24.1	1.86
F32	07 Aug 2019	4	17.84	76.03	9.5	33.67	8.3	24.3	2.00
F32	07 Aug 2019	5	17.43	76.31	9.6	33.64	8.3	24.4	2.24
F32	07 Aug 2019	6	17.37	76.43	9.1	33.64	8.3	24.4	2.38
F32	07 Aug 2019	7	15.82	76.02	8.8	33.71	8.3	24.8	2.97
F32	07 Aug 2019	8	14.32	75.54	8.8	33.64	8.3	25.1	4.09
F32	07 Aug 2019	9	14.80	75.53	8.6	33.51	8.3	24.9	4.83
F32	07 Aug 2019	10	13.68	75.77	8.2	33.64	8.3	25.2	5.17
F32	07 Aug 2019	11	13.35	76.95	7.9	33.57	8.3	25.2	5.39
F32	07 Aug 2019	12	13.15	77.42	7.7	33.57	8.3	25.3	5.31
F32	07 Aug 2019	13	13.09	78.63	7.5	33.57	8.3	25.3	5.20
F32	07 Aug 2019	14	12.81	79.21	7.3	33.58	8.3	25.3	4.77
F32	07 Aug 2019	15	12.66	80.31	7.1	33.57	8.2	25.4	4.43
F32	07 Aug 2019	16	12.62	81.12	7.0	33.57	8.2	25.4	3.92
F32	07 Aug 2019	17	12.61	81.63	7.0	33.58	8.2	25.4	3.57
F32	07 Aug 2019	18	12.55	82.35	6.9	33.58	8.2	25.4	3.11
F32	07 Aug 2019	19	12.50	82.90	6.8	33.59	8.2	25.4	2.83
F32	07 Aug 2019	20	12.42	83.55	6.7	33.60	8.2	25.4	2.57
F32	07 Aug 2019	21	12.29	84.48	6.5	33.60	8.2	25.4	2.50
F32	07 Aug 2019	22	12.18	85.24	6.4	33.61	8.2	25.5	2.04
F32	07 Aug 2019	23	12.08	85.80	6.2	33.62	8.2	25.5	1.65
F32	07 Aug 2019	24	11.96	86.61	6.1	33.62	8.2	25.5	1.32
F32	07 Aug 2019	25	11.84	87.06	6.0	33.64	8.2	25.6	1.14
F32	07 Aug 2019	26	11.79	87.17	5.9	33.63	8.2	25.6	1.08
F32	07 Aug 2019	27	11.77	87.24	5.8	33.64	8.2	25.6	1.01
F32	07 Aug 2019	28	11.68	87.36	5.8	33.64	8.2	25.6	0.93
F32	07 Aug 2019	29	11.63	87.49	5.8	33.64	8.2	25.6	0.89
F32	07 Aug 2019	30	11.58	87.42	5.6	33.66	8.2	25.6	0.90
F32	07 Aug 2019	31	11.49	87.13	5.4	33.67	8.2	25.6	0.88
F32	07 Aug 2019	32	11.46	87.09	5.3	33.67	8.2	25.7	0.78
F32	07 Aug 2019	33	11.44	86.98	5.2	33.67	8.2	25.7	0.72
F32	07 Aug 2019	34	11.42	86.96	5.2	33.67	8.2	25.7	0.69
F32	07 Aug 2019	35	11.40	87.23	5.2	33.68	8.2	25.7	0.69
F32	07 Aug 2019	36	11.39	87.30	5.2	33.68	8.2	25.7	0.69
F32	07 Aug 2019	37	11.39	87.34	5.2	33.68	8.2	25.7	0.66
F32	07 Aug 2019	38	11.39	87.41	5.2	33.68	8.2	25.7	0.65
F32	07 Aug 2019	39	11.39	87.56	5.2	33.68	8.1	25.7	0.65

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	07 Aug 2019	40	11.38	87.60	5.2	33.68	8.1	25.7	0.64
F32	07 Aug 2019	41	11.38	87.66	5.2	33.69	8.1	25.7	0.64
F32	07 Aug 2019	42	11.38	87.64	5.2	33.69	8.1	25.7	0.64
F32	07 Aug 2019	43	11.37	87.64	5.2	33.69	8.1	25.7	0.64
F32	07 Aug 2019	44	11.35	87.63	5.1	33.69	8.1	25.7	0.62
F32	07 Aug 2019	45	11.35	87.67	5.1	33.69	8.1	25.7	0.61
F32	07 Aug 2019	46	11.34	87.71	5.1	33.69	8.1	25.7	0.61
F32	07 Aug 2019	47	11.34	87.71	5.1	33.69	8.1	25.7	0.60
F32	07 Aug 2019	48	11.34	87.70	5.1	33.69	8.1	25.7	0.62
F32	07 Aug 2019	49	11.34	87.75	5.1	33.69	8.1	25.7	0.60
F32	07 Aug 2019	50	11.33	87.76	5.1	33.70	8.1	25.7	0.60
F32	07 Aug 2019	51	11.32	87.80	5.0	33.70	8.1	25.7	0.59
F32	07 Aug 2019	52	11.29	87.81	5.0	33.70	8.1	25.7	0.58
F32	07 Aug 2019	53	11.27	87.78	4.9	33.71	8.1	25.7	0.57
F32	07 Aug 2019	54	11.25	87.88	4.9	33.71	8.1	25.7	0.55
F32	07 Aug 2019	55	11.24	87.91	4.9	33.71	8.1	25.7	0.55
F32	07 Aug 2019	56	11.24	87.81	4.9	33.71	8.1	25.7	0.55
F32	07 Aug 2019	57	11.23	87.86	4.9	33.71	8.1	25.7	0.54
F32	07 Aug 2019	58	11.21	87.84	4.9	33.71	8.1	25.7	0.57
F32	07 Aug 2019	59	11.19	87.84	4.9	33.71	8.1	25.7	0.52
F32	07 Aug 2019	60	11.19	87.77	4.8	33.72	8.1	25.7	0.54
F32	07 Aug 2019	61	11.15	87.83	4.8	33.72	8.1	25.8	0.51
F32	07 Aug 2019	62	11.15	87.76	4.8	33.72	8.1	25.8	0.51
F32	07 Aug 2019	63	11.14	87.85	4.8	33.72	8.1	25.8	0.50
F32	07 Aug 2019	64	11.13	87.82	4.8	33.72	8.1	25.8	0.50
F32	07 Aug 2019	65	11.13	87.87	4.8	33.72	8.1	25.8	0.51
F32	07 Aug 2019	66	11.12	87.85	4.8	33.72	8.1	25.8	0.52
F32	07 Aug 2019	67	11.11	87.88	4.8	33.72	8.1	25.8	0.51
F32	07 Aug 2019	68	11.09	87.80	4.8	33.72	8.1	25.8	0.49
F32	07 Aug 2019	69	11.08	87.83	4.8	33.72	8.1	25.8	0.50
F32	07 Aug 2019	70	11.08	87.79	4.8	33.72	8.1	25.8	0.50
F32	07 Aug 2019	71	11.08	87.67	4.8	33.72	8.1	25.8	0.49
F32	07 Aug 2019	72	11.07	87.77	4.8	33.72	8.1	25.8	0.49
F32	07 Aug 2019	73	11.07	87.80	4.8	33.72	8.1	25.8	0.49
F32	07 Aug 2019	74	11.07	87.80	4.8	33.72	8.1	25.8	0.48
F32	07 Aug 2019	75	11.06	87.79	4.8	33.72	8.1	25.8	0.48
F32	07 Aug 2019	76	11.06	87.69	4.8	33.72	8.1	25.8	0.48
F32	07 Aug 2019	77	11.04	87.82	4.8	33.72	8.1	25.8	0.47
F32	07 Aug 2019	78	11.02	87.74	4.8	33.73	8.1	25.8	0.48
F32	07 Aug 2019	79	11.00	87.74	4.7	33.73	8.1	25.8	0.49
F32	07 Aug 2019	80	10.98	87.68	4.7	33.73	8.1	25.8	0.46
F32	07 Aug 2019	81	10.97	87.71	4.7	33.73	8.1	25.8	0.46
F32	07 Aug 2019	82	10.97	87.69	4.7	33.73	8.1	25.8	0.46
F32	07 Aug 2019	83	10.97	87.70	4.7	33.73	8.1	25.8	0.46
F32	07 Aug 2019	84	10.96	87.73	4.7	33.73	8.1	25.8	0.46
F32	07 Aug 2019	85	10.95	87.61	4.7	33.73	8.1	25.8	0.45
F32	07 Aug 2019	86	10.95	87.78	4.7	33.73	8.0	25.8	0.45
F32	07 Aug 2019	87	10.95	87.77	4.7	33.73	8.0	25.8	0.45
F32	07 Aug 2019	88	10.95	87.77	4.7	33.73	8.0	25.8	0.44
F32	07 Aug 2019	89	10.94	87.74	4.7	33.74	8.0	25.8	0.44
F32	07 Aug 2019	90	10.94	87.70	4.6	33.74	8.0	25.8	0.44
F32	07 Aug 2019	91	10.93	87.66	4.6	33.74	8.0	25.8	0.45
F32	07 Aug 2019	92	10.92	87.72	4.6	33.74	8.0	25.8	0.43
F32	07 Aug 2019	93	10.90	87.62	4.6	33.74	8.0	25.8	0.43
F32	07 Aug 2019	94	10.87	87.24	4.6	33.74	8.0	25.8	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F32	07 Aug 2019	95	10.87	86.78	4.5	33.74	8.0	25.8	0.44
F32	07 Aug 2019	96	10.87	86.51	4.5	33.74	8.0	25.8	0.43
F32	07 Aug 2019	97	10.83	85.18	4.5	33.75	8.0	25.8	0.42
F32	07 Aug 2019	98	10.84	85.44	4.4	33.75	8.0	25.8	0.42
F32	07 Aug 2019	99	10.79	84.55	4.4	33.77	8.0	25.9	0.42
F32	07 Aug 2019	100	10.58	82.40	4.3	33.80	8.0	25.9	0.40
F32	07 Aug 2019	101	10.64	83.50	4.3	33.78	8.0	25.9	0.41
F33	07 Aug 2019	1	19.88	74.98	9.4	33.70	8.3	23.8	1.74
F33	07 Aug 2019	2	19.18	74.85	9.5	33.71	8.3	24.0	1.87
F33	07 Aug 2019	3	17.58	75.08	9.8	33.70	8.3	24.4	2.02
F33	07 Aug 2019	4	17.23	75.35	9.9	33.64	8.3	24.4	2.14
F33	07 Aug 2019	5	17.05	75.69	9.7	33.64	8.3	24.5	2.27
F33	07 Aug 2019	6	16.71	75.62	9.5	33.63	8.3	24.5	2.58
F33	07 Aug 2019	7	16.34	74.91	9.3	33.64	8.3	24.6	3.16
F33	07 Aug 2019	8	15.44	74.52	9.1	33.65	8.3	24.8	3.85
F33	07 Aug 2019	9	14.64	74.91	9.1	33.62	8.3	25.0	3.90
F33	07 Aug 2019	10	14.28	75.45	9.0	33.59	8.3	25.0	4.03
F33	07 Aug 2019	11	14.19	75.68	8.8	33.59	8.3	25.1	4.05
F33	07 Aug 2019	12	13.88	75.94	8.6	33.59	8.3	25.1	4.10
F33	07 Aug 2019	13	13.61	76.59	8.4	33.58	8.3	25.2	4.20
F33	07 Aug 2019	14	13.49	76.70	8.3	33.58	8.3	25.2	4.34
F33	07 Aug 2019	15	13.41	77.02	8.2	33.58	8.3	25.2	4.38
F33	07 Aug 2019	16	13.34	77.11	8.1	33.58	8.3	25.2	4.56
F33	07 Aug 2019	17	13.10	77.39	7.7	33.60	8.3	25.3	4.48
F33	07 Aug 2019	18	12.65	78.48	7.2	33.60	8.3	25.4	4.37
F33	07 Aug 2019	19	12.62	80.15	7.0	33.58	8.2	25.4	3.99
F33	07 Aug 2019	20	12.52	81.66	6.9	33.61	8.2	25.4	3.61
F33	07 Aug 2019	21	12.41	82.13	6.7	33.60	8.2	25.4	3.08
F33	07 Aug 2019	22	12.33	82.85	6.6	33.61	8.2	25.4	2.63
F33	07 Aug 2019	23	12.22	84.59	6.5	33.61	8.2	25.5	2.04
F33	07 Aug 2019	24	12.14	85.86	6.4	33.62	8.2	25.5	1.82
F33	07 Aug 2019	25	12.06	86.03	6.3	33.62	8.2	25.5	1.61
F33	07 Aug 2019	26	12.02	86.49	6.2	33.62	8.2	25.5	1.35
F33	07 Aug 2019	27	11.99	86.63	6.2	33.62	8.2	25.5	1.37
F33	07 Aug 2019	28	11.90	86.91	6.1	33.63	8.2	25.5	1.28
F33	07 Aug 2019	29	11.81	86.87	6.0	33.64	8.2	25.6	1.16
F33	07 Aug 2019	30	11.79	87.08	5.9	33.64	8.2	25.6	1.17
F33	07 Aug 2019	31	11.76	87.11	5.8	33.65	8.2	25.6	1.12
F33	07 Aug 2019	32	11.69	87.05	5.8	33.65	8.2	25.6	1.14
F33	07 Aug 2019	33	11.67	87.16	5.7	33.65	8.2	25.6	1.05
F33	07 Aug 2019	34	11.62	87.14	5.6	33.66	8.2	25.6	0.98
F33	07 Aug 2019	35	11.60	87.21	5.6	33.66	8.2	25.6	0.94
F33	07 Aug 2019	36	11.60	87.25	5.6	33.66	8.2	25.6	0.92
F33	07 Aug 2019	37	11.60	87.44	5.6	33.66	8.2	25.6	0.92
F33	07 Aug 2019	38	11.60	87.26	5.5	33.67	8.2	25.6	0.87
F33	07 Aug 2019	39	11.57	87.41	5.5	33.67	8.2	25.6	0.84
F33	07 Aug 2019	40	11.51	87.58	5.4	33.68	8.2	25.7	0.81
F33	07 Aug 2019	41	11.43	87.74	5.3	33.69	8.2	25.7	0.75
F33	07 Aug 2019	42	11.42	87.77	5.2	33.69	8.1	25.7	0.72
F33	07 Aug 2019	43	11.44	87.73	5.2	33.69	8.1	25.7	0.70
F33	07 Aug 2019	44	11.38	87.77	5.2	33.70	8.1	25.7	0.67
F33	07 Aug 2019	45	11.38	87.78	5.2	33.69	8.1	25.7	0.66
F33	07 Aug 2019	46	11.33	87.75	5.2	33.70	8.1	25.7	0.63
F33	07 Aug 2019	47	11.24	87.87	5.2	33.70	8.1	25.7	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F33	07 Aug 2019	48	11.22	87.86	5.1	33.70	8.1	25.7	0.56
F33	07 Aug 2019	49	11.24	87.68	5.1	33.69	8.1	25.7	0.54
F33	07 Aug 2019	50	11.19	87.35	5.0	33.70	8.1	25.7	0.52
F33	07 Aug 2019	51	11.16	87.35	4.9	33.71	8.1	25.7	0.52
F33	07 Aug 2019	52	11.16	87.47	4.9	33.71	8.1	25.7	0.50
F33	07 Aug 2019	53	11.15	87.52	4.8	33.72	8.1	25.7	0.48
F33	07 Aug 2019	54	11.14	87.58	4.8	33.72	8.1	25.8	0.51
F33	07 Aug 2019	55	11.12	87.60	4.8	33.72	8.1	25.8	0.50
F33	07 Aug 2019	56	11.11	87.57	4.8	33.72	8.1	25.8	0.49
F33	07 Aug 2019	57	11.08	87.57	4.8	33.72	8.1	25.8	0.48
F33	07 Aug 2019	58	11.07	87.57	4.8	33.72	8.1	25.8	0.46
F33	07 Aug 2019	59	11.06	87.47	4.8	33.73	8.1	25.8	0.46
F33	07 Aug 2019	60	11.05	87.58	4.8	33.72	8.1	25.8	0.46
F33	07 Aug 2019	61	11.03	87.54	4.8	33.73	8.1	25.8	0.46
F33	07 Aug 2019	62	11.02	87.53	4.7	33.73	8.1	25.8	0.45
F33	07 Aug 2019	63	11.01	87.52	4.7	33.73	8.1	25.8	0.45
F33	07 Aug 2019	64	11.02	87.54	4.7	33.73	8.1	25.8	0.47
F33	07 Aug 2019	65	11.00	87.50	4.7	33.73	8.1	25.8	0.45
F33	07 Aug 2019	66	11.01	87.48	4.7	33.73	8.1	25.8	0.44
F33	07 Aug 2019	67	11.01	87.55	4.7	33.73	8.1	25.8	0.44
F33	07 Aug 2019	68	11.01	87.49	4.7	33.73	8.1	25.8	0.45
F33	07 Aug 2019	69	10.98	87.47	4.7	33.73	8.1	25.8	0.43
F33	07 Aug 2019	70	10.97	87.53	4.7	33.73	8.1	25.8	0.43
F33	07 Aug 2019	71	10.97	87.45	4.7	33.73	8.1	25.8	0.43
F33	07 Aug 2019	72	10.96	87.49	4.7	33.73	8.1	25.8	0.42
F33	07 Aug 2019	73	10.96	87.53	4.7	33.73	8.1	25.8	0.42
F33	07 Aug 2019	74	10.96	87.61	4.7	33.73	8.1	25.8	0.43
F33	07 Aug 2019	75	10.96	87.61	4.7	33.73	8.1	25.8	0.43
F33	07 Aug 2019	76	10.95	87.55	4.7	33.73	8.1	25.8	0.41
F33	07 Aug 2019	77	10.96	87.54	4.7	33.73	8.1	25.8	0.42
F33	07 Aug 2019	78	10.95	87.47	4.7	33.73	8.1	25.8	0.41
F33	07 Aug 2019	79	10.95	87.52	4.6	33.73	8.1	25.8	0.41
F33	07 Aug 2019	80	10.94	87.56	4.6	33.73	8.1	25.8	0.42
F33	07 Aug 2019	81	10.94	87.42	4.6	33.73	8.1	25.8	0.41
F33	07 Aug 2019	82	10.93	87.53	4.6	33.73	8.1	25.8	0.40
F33	07 Aug 2019	83	10.92	87.53	4.6	33.73	8.0	25.8	0.40
F33	07 Aug 2019	84	10.91	87.57	4.6	33.74	8.0	25.8	0.40
F33	07 Aug 2019	85	10.91	87.53	4.6	33.74	8.0	25.8	0.39
F33	07 Aug 2019	86	10.90	87.63	4.6	33.74	8.0	25.8	0.39
F33	07 Aug 2019	87	10.90	87.66	4.6	33.74	8.0	25.8	0.39
F33	07 Aug 2019	88	10.89	87.51	4.6	33.74	8.0	25.8	0.41
F33	07 Aug 2019	89	10.89	87.62	4.6	33.74	8.0	25.8	0.41
F33	07 Aug 2019	90	10.89	87.25	4.6	33.74	8.0	25.8	0.41
F33	07 Aug 2019	91	10.89	87.59	4.6	33.74	8.0	25.8	0.41
F33	07 Aug 2019	92	10.89	87.56	4.6	33.74	8.0	25.8	0.42
F33	07 Aug 2019	93	10.87	87.32	4.6	33.75	8.0	25.8	0.42
F33	07 Aug 2019	94	10.86	87.08	4.5	33.75	8.0	25.8	0.41
F33	07 Aug 2019	95	10.84	86.73	4.5	33.75	8.0	25.8	0.40
F33	07 Aug 2019	96	10.83	86.13	4.5	33.75	8.0	25.8	0.40
F33	07 Aug 2019	97	10.82	84.74	4.4	33.75	8.0	25.8	0.40
F33	07 Aug 2019	98	10.81	83.91	4.4	33.75	8.0	25.8	0.40
F33	07 Aug 2019	99	10.81	83.55	4.4	33.75	8.0	25.8	0.42
F33	07 Aug 2019	100	10.78	83.17	4.4	33.76	8.0	25.8	0.41
F33	07 Aug 2019	101	10.76	81.37	4.4	33.76	8.0	25.9	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	07 Aug 2019	1	20.27	76.34	8.9	33.68	8.3	23.7	1.90
F34	07 Aug 2019	2	19.07	75.89	8.9	33.70	8.3	24.0	2.47
F34	07 Aug 2019	3	18.09	73.93	9.1	33.70	8.3	24.3	3.80
F34	07 Aug 2019	4	17.52	71.39	9.2	33.64	8.3	24.3	5.41
F34	07 Aug 2019	5	17.21	70.98	9.3	33.65	8.3	24.4	6.53
F34	07 Aug 2019	6	16.58	70.17	9.6	33.63	8.3	24.6	6.87
F34	07 Aug 2019	7	16.26	70.59	9.8	33.62	8.3	24.6	6.47
F34	07 Aug 2019	8	16.05	71.46	9.9	33.61	8.3	24.7	5.63
F34	07 Aug 2019	9	15.96	71.95	9.9	33.60	8.3	24.7	5.31
F34	07 Aug 2019	10	15.86	72.32	9.8	33.61	8.3	24.7	5.10
F34	07 Aug 2019	11	15.40	73.11	9.8	33.62	8.3	24.8	4.84
F34	07 Aug 2019	12	15.02	73.73	9.6	33.60	8.3	24.9	4.65
F34	07 Aug 2019	13	14.86	74.01	9.3	33.62	8.3	24.9	4.65
F34	07 Aug 2019	14	14.26	75.15	9.0	33.60	8.3	25.0	4.41
F34	07 Aug 2019	15	14.37	75.22	8.8	33.58	8.3	25.0	4.46
F34	07 Aug 2019	16	13.96	76.35	8.6	33.60	8.3	25.1	4.40
F34	07 Aug 2019	17	13.66	77.12	8.3	33.59	8.3	25.2	4.56
F34	07 Aug 2019	18	13.34	77.20	7.9	33.60	8.3	25.2	4.81
F34	07 Aug 2019	19	13.01	77.64	7.7	33.58	8.3	25.3	4.67
F34	07 Aug 2019	20	12.95	78.37	7.6	33.58	8.2	25.3	4.53
F34	07 Aug 2019	21	12.89	78.60	7.5	33.58	8.2	25.3	4.33
F34	07 Aug 2019	22	12.87	79.19	7.4	33.58	8.2	25.3	4.03
F34	07 Aug 2019	23	12.81	79.80	7.3	33.59	8.2	25.3	4.03
F34	07 Aug 2019	24	12.61	79.91	7.1	33.60	8.2	25.4	3.92
F34	07 Aug 2019	25	12.53	80.04	6.9	33.59	8.2	25.4	3.95
F34	07 Aug 2019	26	12.50	80.22	6.8	33.59	8.2	25.4	4.04
F34	07 Aug 2019	27	12.41	80.84	6.7	33.60	8.2	25.4	3.95
F34	07 Aug 2019	28	12.33	81.13	6.5	33.60	8.2	25.4	3.28
F34	07 Aug 2019	29	12.19	84.02	6.4	33.61	8.2	25.5	2.34
F34	07 Aug 2019	30	12.18	83.65	6.3	33.61	8.2	25.5	1.93
F34	07 Aug 2019	31	12.08	85.93	6.2	33.61	8.2	25.5	1.63
F34	07 Aug 2019	32	12.08	86.28	6.2	33.60	8.2	25.5	1.43
F34	07 Aug 2019	33	12.09	86.53	6.2	33.62	8.2	25.5	1.52
F34	07 Aug 2019	34	12.00	86.63	6.1	33.62	8.2	25.5	1.21
F34	07 Aug 2019	35	11.91	86.86	6.0	33.63	8.2	25.5	1.24
F34	07 Aug 2019	36	11.88	87.02	6.0	33.62	8.2	25.5	1.05
F34	07 Aug 2019	37	11.89	87.07	6.0	33.62	8.2	25.5	1.04
F34	07 Aug 2019	38	11.82	87.16	5.9	33.64	8.2	25.6	0.96
F34	07 Aug 2019	39	11.77	87.10	5.8	33.64	8.2	25.6	0.96
F34	07 Aug 2019	40	11.78	87.14	5.8	33.63	8.2	25.6	0.98
F34	07 Aug 2019	41	11.72	87.26	5.7	33.65	8.2	25.6	0.92
F34	07 Aug 2019	42	11.64	87.36	5.7	33.66	8.2	25.6	0.90
F34	07 Aug 2019	43	11.64	87.63	5.7	33.66	8.2	25.6	0.88
F34	07 Aug 2019	44	11.58	87.82	5.6	33.66	8.1	25.6	0.84
F34	07 Aug 2019	45	11.51	87.83	5.6	33.67	8.1	25.6	0.80
F34	07 Aug 2019	46	11.44	88.05	5.5	33.67	8.1	25.7	0.77
F34	07 Aug 2019	47	11.40	88.11	5.5	33.67	8.1	25.7	0.71
F34	07 Aug 2019	48	11.41	88.13	5.5	33.67	8.1	25.7	0.69
F34	07 Aug 2019	49	11.35	88.06	5.4	33.68	8.1	25.7	0.63
F34	07 Aug 2019	50	11.29	88.02	5.2	33.69	8.1	25.7	0.57
F34	07 Aug 2019	51	11.19	87.13	5.1	33.70	8.1	25.7	0.54
F34	07 Aug 2019	52	11.20	87.30	5.0	33.69	8.1	25.7	0.53
F34	07 Aug 2019	53	11.17	86.82	5.0	33.70	8.1	25.7	0.52
F34	07 Aug 2019	54	11.16	86.65	4.9	33.70	8.1	25.7	0.49
F34	07 Aug 2019	55	11.11	86.87	4.9	33.72	8.1	25.8	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F34	07 Aug 2019	56	11.08	87.42	4.8	33.72	8.1	25.8	0.48
F34	07 Aug 2019	57	11.09	87.42	4.8	33.72	8.1	25.8	0.48
F34	07 Aug 2019	58	11.05	87.54	4.8	33.73	8.1	25.8	0.47
F34	07 Aug 2019	59	11.02	87.45	4.7	33.72	8.1	25.8	0.46
F34	07 Aug 2019	60	11.02	87.53	4.7	33.72	8.1	25.8	0.45
F34	07 Aug 2019	61	11.02	87.55	4.7	33.72	8.1	25.8	0.44
F34	07 Aug 2019	62	11.02	87.60	4.7	33.72	8.1	25.8	0.45
F34	07 Aug 2019	63	11.00	87.53	4.7	33.73	8.1	25.8	0.44
F34	07 Aug 2019	64	10.96	87.54	4.7	33.73	8.1	25.8	0.45
F34	07 Aug 2019	65	10.97	87.55	4.7	33.73	8.1	25.8	0.43
F34	07 Aug 2019	66	10.96	87.60	4.7	33.73	8.1	25.8	0.43
F34	07 Aug 2019	67	10.93	87.52	4.6	33.73	8.1	25.8	0.43
F34	07 Aug 2019	68	10.93	87.50	4.6	33.73	8.1	25.8	0.42
F34	07 Aug 2019	69	10.92	87.62	4.6	33.73	8.1	25.8	0.41
F34	07 Aug 2019	70	10.92	87.47	4.6	33.74	8.1	25.8	0.41
F34	07 Aug 2019	71	10.91	87.57	4.6	33.74	8.1	25.8	0.41
F34	07 Aug 2019	72	10.91	87.61	4.6	33.74	8.1	25.8	0.40
F34	07 Aug 2019	73	10.91	87.65	4.6	33.74	8.1	25.8	0.41
F34	07 Aug 2019	74	10.91	87.61	4.6	33.74	8.1	25.8	0.41
F34	07 Aug 2019	75	10.91	87.49	4.6	33.74	8.1	25.8	0.40
F34	07 Aug 2019	76	10.90	87.65	4.6	33.74	8.1	25.8	0.40
F34	07 Aug 2019	77	10.89	87.70	4.6	33.74	8.1	25.8	0.40
F34	07 Aug 2019	78	10.88	87.63	4.6	33.74	8.1	25.8	0.39
F34	07 Aug 2019	79	10.87	87.65	4.6	33.75	8.1	25.8	0.40
F34	07 Aug 2019	80	10.87	87.72	4.6	33.74	8.0	25.8	0.39
F34	07 Aug 2019	81	10.86	87.63	4.6	33.75	8.0	25.8	0.40
F34	07 Aug 2019	82	10.86	87.60	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	83	10.86	87.69	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	84	10.86	87.65	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	85	10.86	87.65	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	86	10.86	87.65	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	87	10.86	87.65	4.6	33.75	8.0	25.8	0.40
F34	07 Aug 2019	88	10.85	87.58	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	89	10.85	87.60	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	90	10.85	87.60	4.6	33.75	8.0	25.8	0.40
F34	07 Aug 2019	91	10.85	87.57	4.6	33.75	8.0	25.8	0.40
F34	07 Aug 2019	92	10.85	87.61	4.6	33.75	8.0	25.8	0.38
F34	07 Aug 2019	93	10.85	87.63	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	94	10.84	87.67	4.6	33.75	8.0	25.8	0.38
F34	07 Aug 2019	95	10.84	87.61	4.6	33.75	8.0	25.8	0.39
F34	07 Aug 2019	96	10.82	87.47	4.5	33.75	8.0	25.8	0.39
F34	07 Aug 2019	97	10.79	87.36	4.5	33.76	8.0	25.8	0.39
F34	07 Aug 2019	98	10.79	86.97	4.5	33.76	8.0	25.8	0.38
F34	07 Aug 2019	99	10.72	85.76	4.4	33.78	8.0	25.9	0.38
F34	07 Aug 2019	100	10.60	85.12	4.3	33.80	8.0	25.9	0.37
F34	07 Aug 2019	101	10.55	84.54	4.2	33.80	8.0	25.9	0.36
F35	07 Aug 2019	1	21.41	78.68	8.5	33.67	8.3	23.4	1.12
F35	07 Aug 2019	2	21.41	80.14	8.6	33.67	8.3	23.4	1.15
F35	07 Aug 2019	3	21.38	79.89	8.5	33.67	8.3	23.4	1.22
F35	07 Aug 2019	4	20.86	79.96	8.6	33.69	8.3	23.5	1.25
F35	07 Aug 2019	5	19.49	80.35	8.9	33.70	8.3	23.9	1.38
F35	07 Aug 2019	6	18.24	80.82	9.3	33.68	8.3	24.2	1.60
F35	07 Aug 2019	7	17.36	80.77	9.6	33.63	8.3	24.4	1.84
F35	07 Aug 2019	8	16.87	80.74	9.5	33.60	8.3	24.5	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F35	07 Aug 2019	9	16.44	80.80	9.3	33.60	8.3	24.6	1.89
F35	07 Aug 2019	10	15.96	81.55	9.0	33.59	8.3	24.7	1.85
F35	07 Aug 2019	11	15.40	82.26	8.9	33.57	8.3	24.8	1.92
F35	07 Aug 2019	12	15.15	81.81	8.8	33.56	8.3	24.8	2.05
F35	07 Aug 2019	13	15.01	81.44	8.7	33.55	8.3	24.9	2.19
F35	07 Aug 2019	14	14.79	81.07	8.6	33.55	8.3	24.9	2.48
F35	07 Aug 2019	15	14.68	80.87	8.5	33.55	8.3	24.9	2.64
F35	07 Aug 2019	16	14.40	80.79	8.3	33.55	8.3	25.0	2.80
F35	07 Aug 2019	17	14.16	81.01	8.2	33.55	8.3	25.0	2.86
F35	07 Aug 2019	18	13.92	81.29	8.1	33.54	8.3	25.1	2.87
F35	07 Aug 2019	19	13.67	81.71	7.9	33.54	8.3	25.1	2.88
F35	07 Aug 2019	20	13.39	82.03	7.8	33.53	8.3	25.2	2.87
F35	07 Aug 2019	21	13.26	81.95	7.7	33.53	8.3	25.2	3.04
F35	07 Aug 2019	22	12.95	82.08	7.6	33.53	8.3	25.3	3.09
F35	07 Aug 2019	23	13.00	82.65	7.4	33.52	8.3	25.2	3.03
F35	07 Aug 2019	24	12.63	83.60	7.2	33.56	8.2	25.3	2.63
F35	07 Aug 2019	25	12.51	84.78	7.1	33.55	8.2	25.4	2.32
F35	07 Aug 2019	26	12.48	84.85	7.0	33.56	8.2	25.4	2.12
F35	07 Aug 2019	27	12.44	85.35	6.9	33.56	8.2	25.4	2.09
F35	07 Aug 2019	28	12.41	85.56	6.8	33.57	8.2	25.4	2.07
F35	07 Aug 2019	29	12.39	85.66	6.7	33.57	8.2	25.4	1.89
F35	07 Aug 2019	30	12.38	85.58	6.6	33.58	8.2	25.4	1.78
F35	07 Aug 2019	31	12.39	85.65	6.4	33.59	8.2	25.4	1.80
F35	07 Aug 2019	32	12.38	85.62	6.3	33.59	8.2	25.4	1.71
F35	07 Aug 2019	33	12.39	85.53	6.2	33.59	8.2	25.4	1.60
F35	07 Aug 2019	34	12.39	85.41	6.1	33.60	8.2	25.4	1.54
F35	07 Aug 2019	35	12.39	85.32	6.0	33.60	8.2	25.4	1.52
F35	07 Aug 2019	36	12.38	85.25	6.0	33.60	8.2	25.4	1.48
F35	07 Aug 2019	37	12.37	85.23	5.9	33.61	8.2	25.4	1.44
F35	07 Aug 2019	38	12.32	85.51	5.9	33.62	8.2	25.5	1.35
F35	07 Aug 2019	39	12.24	85.75	6.1	33.62	8.2	25.5	1.32
F35	07 Aug 2019	40	12.22	85.76	6.1	33.62	8.2	25.5	1.45
F35	07 Aug 2019	41	12.17	85.74	6.2	33.62	8.2	25.5	1.38
F35	07 Aug 2019	42	12.13	85.90	6.0	33.62	8.2	25.5	1.23
F35	07 Aug 2019	43	12.09	85.94	5.9	33.63	8.2	25.5	1.05
F35	07 Aug 2019	44	12.05	86.24	5.9	33.63	8.2	25.5	1.14
F35	07 Aug 2019	45	11.95	86.28	5.9	33.64	8.2	25.5	1.02
F35	07 Aug 2019	46	11.82	86.61	5.9	33.64	8.2	25.6	0.94
F35	07 Aug 2019	47	11.78	87.11	5.8	33.64	8.2	25.6	0.86
F35	07 Aug 2019	48	11.63	87.29	5.7	33.66	8.2	25.6	0.81
F35	07 Aug 2019	49	11.49	87.42	5.5	33.67	8.1	25.7	0.68
F35	07 Aug 2019	50	11.47	87.50	5.4	33.67	8.1	25.7	0.60
F35	07 Aug 2019	51	11.39	87.72	5.3	33.67	8.1	25.7	0.55
F35	07 Aug 2019	52	11.36	87.78	5.3	33.68	8.1	25.7	0.51
F35	07 Aug 2019	53	11.34	87.71	5.2	33.68	8.1	25.7	0.51
F35	07 Aug 2019	54	11.34	87.59	5.2	33.68	8.1	25.7	0.50
F35	07 Aug 2019	55	11.34	87.50	5.2	33.68	8.1	25.7	0.48
F35	07 Aug 2019	56	11.34	87.52	5.2	33.68	8.1	25.7	0.48
F35	07 Aug 2019	57	11.33	87.47	5.1	33.68	8.1	25.7	0.47
F35	07 Aug 2019	58	11.18	87.38	5.1	33.71	8.1	25.7	0.45
F35	07 Aug 2019	59	11.12	87.59	5.0	33.71	8.1	25.8	0.43
F35	07 Aug 2019	60	11.08	87.98	4.9	33.72	8.1	25.8	0.40
F35	07 Aug 2019	61	11.06	88.02	4.8	33.73	8.1	25.8	0.38
F35	07 Aug 2019	62	11.06	88.08	4.8	33.73	8.1	25.8	0.39
F35	07 Aug 2019	63	11.05	88.01	4.8	33.73	8.1	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F35	07 Aug 2019	64	11.04	87.90	4.7	33.73	8.1	25.8	0.38
F35	07 Aug 2019	65	11.00	87.90	4.7	33.74	8.1	25.8	0.39
F35	07 Aug 2019	66	10.97	87.81	4.7	33.74	8.1	25.8	0.38
F35	07 Aug 2019	67	10.96	87.82	4.7	33.74	8.1	25.8	0.38
F35	07 Aug 2019	68	10.96	87.79	4.7	33.74	8.1	25.8	0.37
F35	07 Aug 2019	69	10.95	87.81	4.7	33.73	8.1	25.8	0.37
F35	07 Aug 2019	70	10.94	87.76	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	71	10.92	87.65	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	72	10.92	87.74	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	73	10.92	87.71	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	74	10.91	87.67	4.6	33.73	8.1	25.8	0.35
F35	07 Aug 2019	75	10.91	87.74	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	76	10.91	87.76	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	77	10.91	87.69	4.6	33.73	8.1	25.8	0.36
F35	07 Aug 2019	78	10.91	87.77	4.6	33.73	8.1	25.8	0.39
F35	07 Aug 2019	79	10.91	87.81	4.6	33.74	8.1	25.8	0.39
F35	07 Aug 2019	80	10.90	87.64	4.6	33.74	8.1	25.8	0.39
F35	07 Aug 2019	81	10.88	87.81	4.6	33.74	8.1	25.8	0.39
F35	07 Aug 2019	82	10.88	87.86	4.6	33.74	8.1	25.8	0.39
F35	07 Aug 2019	83	10.88	87.86	4.6	33.74	8.0	25.8	0.39
F35	07 Aug 2019	84	10.88	87.77	4.6	33.74	8.0	25.8	0.38
F35	07 Aug 2019	85	10.87	87.86	4.6	33.74	8.0	25.8	0.38
F35	07 Aug 2019	86	10.87	87.79	4.6	33.74	8.0	25.8	0.38
F35	07 Aug 2019	87	10.87	87.81	4.6	33.74	8.0	25.8	0.39
F35	07 Aug 2019	88	10.87	87.84	4.6	33.74	8.0	25.8	0.38
F35	07 Aug 2019	89	10.86	87.88	4.6	33.75	8.0	25.8	0.37
F35	07 Aug 2019	90	10.84	87.59	4.6	33.75	8.0	25.8	0.38
F35	07 Aug 2019	91	10.83	87.74	4.5	33.75	8.0	25.8	0.37
F35	07 Aug 2019	92	10.82	87.64	4.5	33.75	8.0	25.8	0.38
F35	07 Aug 2019	93	10.83	87.59	4.5	33.75	8.0	25.8	0.40
F35	07 Aug 2019	94	10.82	87.40	4.5	33.75	8.0	25.8	0.40
F35	07 Aug 2019	95	10.81	87.51	4.5	33.76	8.0	25.8	0.38
F35	07 Aug 2019	96	10.81	87.31	4.5	33.76	8.0	25.8	0.38
F35	07 Aug 2019	97	10.78	87.06	4.5	33.76	8.0	25.9	0.38
F35	07 Aug 2019	98	10.69	86.23	4.4	33.78	8.0	25.9	0.38
F35	07 Aug 2019	99	10.69	85.96	4.4	33.77	8.0	25.9	0.37
F35	07 Aug 2019	100	10.64	85.51	4.3	33.78	8.0	25.9	0.36
F36	07 Aug 2019	1	21.37	79.79	8.6	33.67	8.2	23.4	1.17
F36	07 Aug 2019	2	21.32	79.78	8.6	33.67	8.2	23.4	1.19
F36	07 Aug 2019	3	20.84	79.71	8.7	33.69	8.2	23.5	1.25
F36	07 Aug 2019	4	19.75	80.55	9.0	33.66	8.2	23.8	1.29
F36	07 Aug 2019	5	19.69	81.23	9.0	33.63	8.2	23.8	1.35
F36	07 Aug 2019	6	19.37	81.90	8.9	33.65	8.2	23.9	1.36
F36	07 Aug 2019	7	18.90	82.45	9.0	33.64	8.2	24.0	1.41
F36	07 Aug 2019	8	18.26	82.32	9.1	33.67	8.2	24.2	1.52
F36	07 Aug 2019	9	16.85	81.84	9.6	33.62	8.2	24.5	1.51
F36	07 Aug 2019	10	16.57	82.14	9.5	33.60	8.2	24.5	1.53
F36	07 Aug 2019	11	16.39	82.47	9.3	33.59	8.2	24.6	1.43
F36	07 Aug 2019	12	16.04	83.12	9.2	33.58	8.2	24.6	1.41
F36	07 Aug 2019	13	15.93	83.90	9.0	33.57	8.2	24.7	1.32
F36	07 Aug 2019	14	15.68	83.96	8.9	33.58	8.2	24.7	1.41
F36	07 Aug 2019	15	15.38	83.83	8.9	33.57	8.2	24.8	1.47
F36	07 Aug 2019	16	15.30	83.88	8.9	33.52	8.2	24.8	1.58
F36	07 Aug 2019	17	15.00	83.65	8.7	33.56	8.2	24.9	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F36	07 Aug 2019	18	14.58	84.19	8.7	33.51	8.2	24.9	1.60
F36	07 Aug 2019	19	14.37	84.30	8.7	33.48	8.2	24.9	1.64
F36	07 Aug 2019	20	14.14	84.59	8.6	33.47	8.2	25.0	1.71
F36	07 Aug 2019	21	14.01	84.39	8.6	33.47	8.2	25.0	1.96
F36	07 Aug 2019	22	13.94	84.07	8.5	33.47	8.2	25.0	2.17
F36	07 Aug 2019	23	13.93	83.89	8.5	33.47	8.2	25.0	2.17
F36	07 Aug 2019	24	13.90	83.91	8.5	33.48	8.2	25.0	2.19
F36	07 Aug 2019	25	13.89	83.53	8.4	33.49	8.2	25.0	2.28
F36	07 Aug 2019	26	13.78	82.96	8.1	33.51	8.2	25.1	2.41
F36	07 Aug 2019	27	13.44	82.60	7.9	33.54	8.2	25.2	2.59
F36	07 Aug 2019	28	13.23	82.75	7.8	33.52	8.2	25.2	2.63
F36	07 Aug 2019	29	13.17	83.34	7.7	33.52	8.2	25.2	2.62
F36	07 Aug 2019	30	13.00	83.38	7.6	33.53	8.2	25.3	2.89
F36	07 Aug 2019	31	12.77	83.23	7.4	33.54	8.2	25.3	2.81
F36	07 Aug 2019	32	12.68	84.62	7.3	33.54	8.2	25.3	2.38
F36	07 Aug 2019	33	12.66	85.32	7.3	33.54	8.2	25.3	2.11
F36	07 Aug 2019	34	12.62	85.50	7.2	33.54	8.2	25.3	2.00
F36	07 Aug 2019	35	12.57	85.58	7.2	33.55	8.2	25.4	1.94
F36	07 Aug 2019	36	12.55	85.69	7.2	33.55	8.2	25.4	1.90
F36	07 Aug 2019	37	12.53	85.85	7.1	33.55	8.2	25.4	1.80
F36	07 Aug 2019	38	12.54	85.77	7.1	33.55	8.2	25.4	1.84
F36	07 Aug 2019	39	12.50	85.97	7.1	33.56	8.2	25.4	1.75
F36	07 Aug 2019	40	12.49	86.20	6.9	33.57	8.2	25.4	1.65
F36	07 Aug 2019	41	12.48	86.35	6.9	33.58	8.2	25.4	1.65
F36	07 Aug 2019	42	12.48	86.25	6.8	33.58	8.2	25.4	1.64
F36	07 Aug 2019	43	12.40	86.45	6.8	33.58	8.2	25.4	1.71
F36	07 Aug 2019	44	12.37	86.32	6.8	33.58	8.1	25.4	1.67
F36	07 Aug 2019	45	12.33	86.39	6.8	33.58	8.1	25.4	1.60
F36	07 Aug 2019	46	12.30	86.41	6.7	33.58	8.1	25.4	1.63
F36	07 Aug 2019	47	12.28	86.39	6.7	33.58	8.1	25.4	1.61
F36	07 Aug 2019	48	12.26	86.53	6.7	33.58	8.1	25.4	1.53
F36	07 Aug 2019	49	12.24	86.52	6.6	33.59	8.1	25.4	1.51
F36	07 Aug 2019	50	12.19	86.54	6.6	33.59	8.1	25.5	1.52
F36	07 Aug 2019	51	12.14	86.56	6.5	33.59	8.1	25.5	1.45
F36	07 Aug 2019	52	12.11	86.72	6.4	33.60	8.1	25.5	1.41
F36	07 Aug 2019	53	12.07	86.65	6.3	33.60	8.1	25.5	1.39
F36	07 Aug 2019	54	11.76	86.61	6.0	33.64	8.1	25.6	1.14
F36	07 Aug 2019	55	11.64	87.15	5.8	33.65	8.1	25.6	0.97
F36	07 Aug 2019	56	11.60	87.34	5.7	33.65	8.1	25.6	0.86
F36	07 Aug 2019	57	11.55	87.52	5.6	33.65	8.1	25.6	0.77
F36	07 Aug 2019	58	11.42	87.56	5.4	33.67	8.1	25.7	0.68
F36	07 Aug 2019	59	11.35	87.74	5.3	33.67	8.1	25.7	0.64
F36	07 Aug 2019	60	11.27	87.76	5.2	33.68	8.1	25.7	0.57
F36	07 Aug 2019	61	11.23	87.78	5.1	33.68	8.1	25.7	0.49
F36	07 Aug 2019	62	11.22	87.71	5.1	33.68	8.1	25.7	0.46
F36	07 Aug 2019	63	11.21	87.77	5.1	33.68	8.1	25.7	0.46
F36	07 Aug 2019	64	11.20	87.79	5.0	33.69	8.1	25.7	0.44
F36	07 Aug 2019	65	11.07	87.79	4.9	33.71	8.1	25.8	0.42
F36	07 Aug 2019	66	11.03	87.78	4.9	33.71	8.1	25.8	0.38
F36	07 Aug 2019	67	11.02	87.65	4.8	33.71	8.1	25.8	0.35
F36	07 Aug 2019	68	11.01	87.67	4.8	33.72	8.1	25.8	0.36
F36	07 Aug 2019	69	10.99	87.66	4.8	33.72	8.1	25.8	0.35
F36	07 Aug 2019	70	10.97	87.70	4.8	33.72	8.1	25.8	0.34
F36	07 Aug 2019	71	10.95	87.62	4.8	33.73	8.0	25.8	0.33
F36	07 Aug 2019	72	10.95	87.73	4.7	33.73	8.0	25.8	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F36	07 Aug 2019	73	10.95	87.80	4.7	33.73	8.0	25.8	0.32
F36	07 Aug 2019	74	10.95	87.87	4.7	33.73	8.0	25.8	0.32
F36	07 Aug 2019	75	10.95	87.88	4.7	33.73	8.0	25.8	0.32
F36	07 Aug 2019	76	10.95	87.92	4.7	33.73	8.0	25.8	0.32
F36	07 Aug 2019	77	10.95	87.89	4.7	33.73	8.0	25.8	0.32
F36	07 Aug 2019	78	10.95	87.89	4.7	33.74	8.0	25.8	0.31
F36	07 Aug 2019	79	10.93	87.85	4.7	33.74	8.0	25.8	0.30
F36	07 Aug 2019	80	10.90	87.83	4.6	33.74	8.0	25.8	0.30
F36	07 Aug 2019	81	10.89	87.83	4.6	33.74	8.0	25.8	0.30
F36	07 Aug 2019	82	10.89	87.76	4.6	33.74	8.0	25.8	0.30
F36	07 Aug 2019	83	10.88	87.79	4.6	33.75	8.0	25.8	0.29
F36	07 Aug 2019	84	10.86	87.79	4.6	33.75	8.0	25.8	0.29
F36	07 Aug 2019	85	10.86	87.67	4.6	33.75	8.0	25.8	0.29
F36	07 Aug 2019	86	10.86	87.76	4.6	33.75	8.0	25.8	0.29
F36	07 Aug 2019	87	10.85	87.74	4.6	33.75	8.0	25.8	0.29
F36	07 Aug 2019	88	10.83	87.63	4.6	33.75	8.0	25.8	0.28
F36	07 Aug 2019	89	10.82	87.62	4.5	33.76	8.0	25.8	0.28
F36	07 Aug 2019	90	10.81	87.76	4.5	33.76	8.0	25.8	0.28
F36	07 Aug 2019	91	10.80	87.80	4.5	33.76	8.0	25.8	0.27
F36	07 Aug 2019	92	10.80	87.80	4.5	33.76	8.0	25.8	0.27
F36	07 Aug 2019	93	10.79	87.82	4.5	33.76	8.0	25.8	0.28
F36	07 Aug 2019	94	10.77	87.86	4.5	33.76	8.0	25.9	0.28
F36	07 Aug 2019	95	10.75	87.83	4.5	33.76	8.0	25.9	0.27
F36	07 Aug 2019	96	10.74	87.68	4.5	33.77	8.0	25.9	0.26
F36	07 Aug 2019	97	10.72	87.57	4.4	33.77	8.0	25.9	0.26
F36	07 Aug 2019	98	10.71	87.29	4.4	33.77	8.0	25.9	0.26
F36	07 Aug 2019	99	10.71	87.32	4.4	33.77	8.0	25.9	0.26
F36	07 Aug 2019	100	10.63	86.26	4.3	33.79	8.0	25.9	0.26

NA = not available

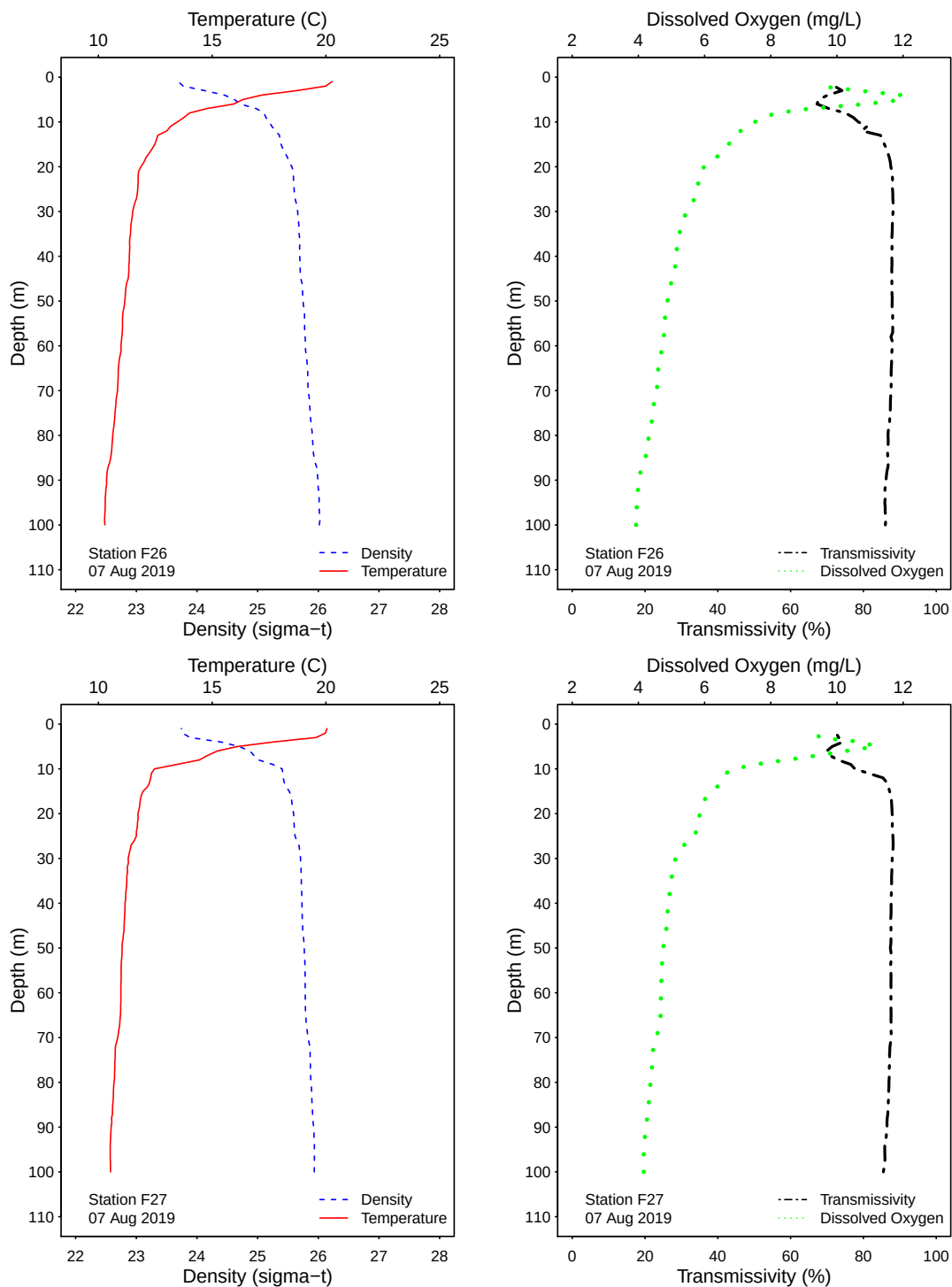


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

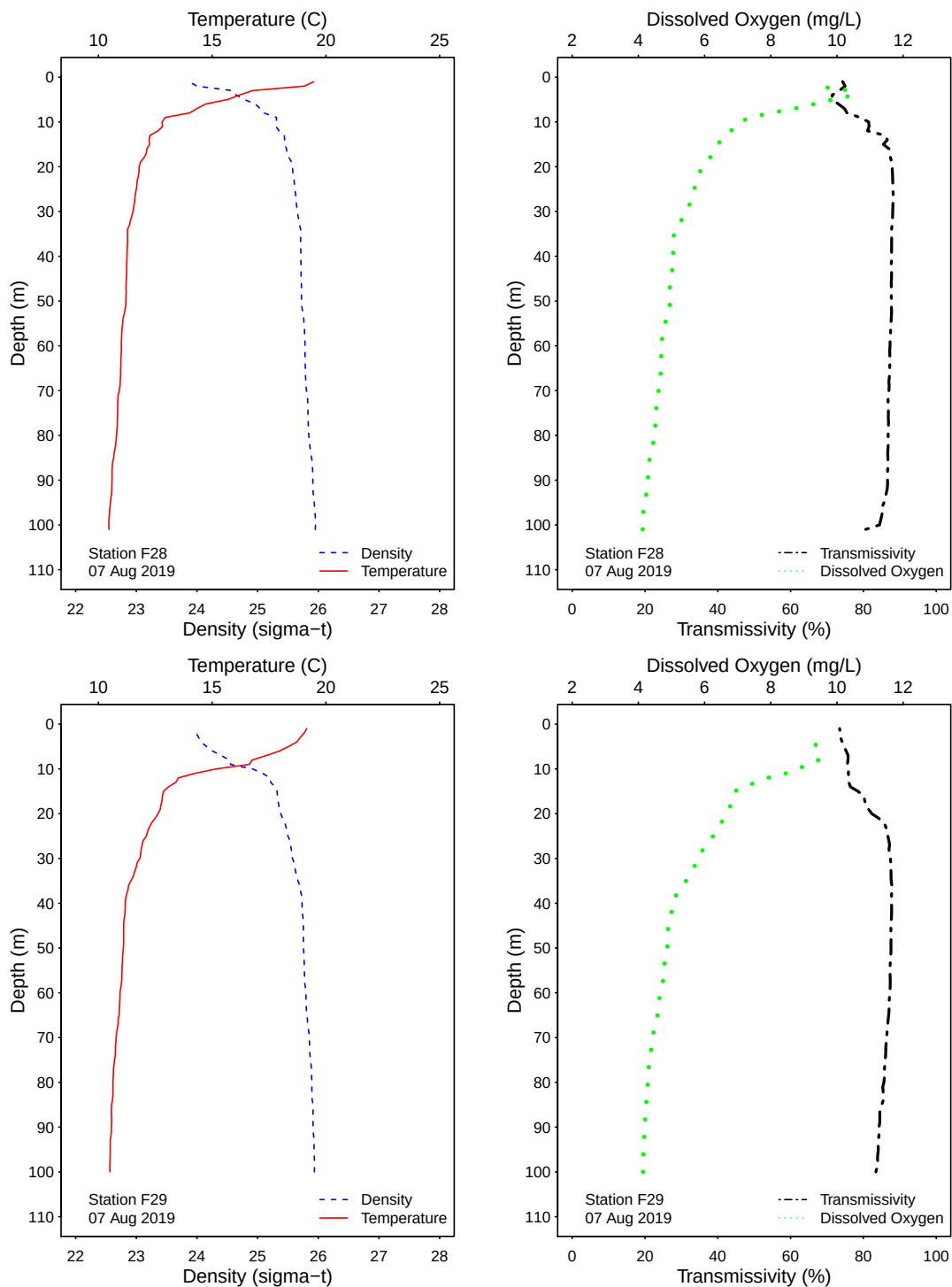


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

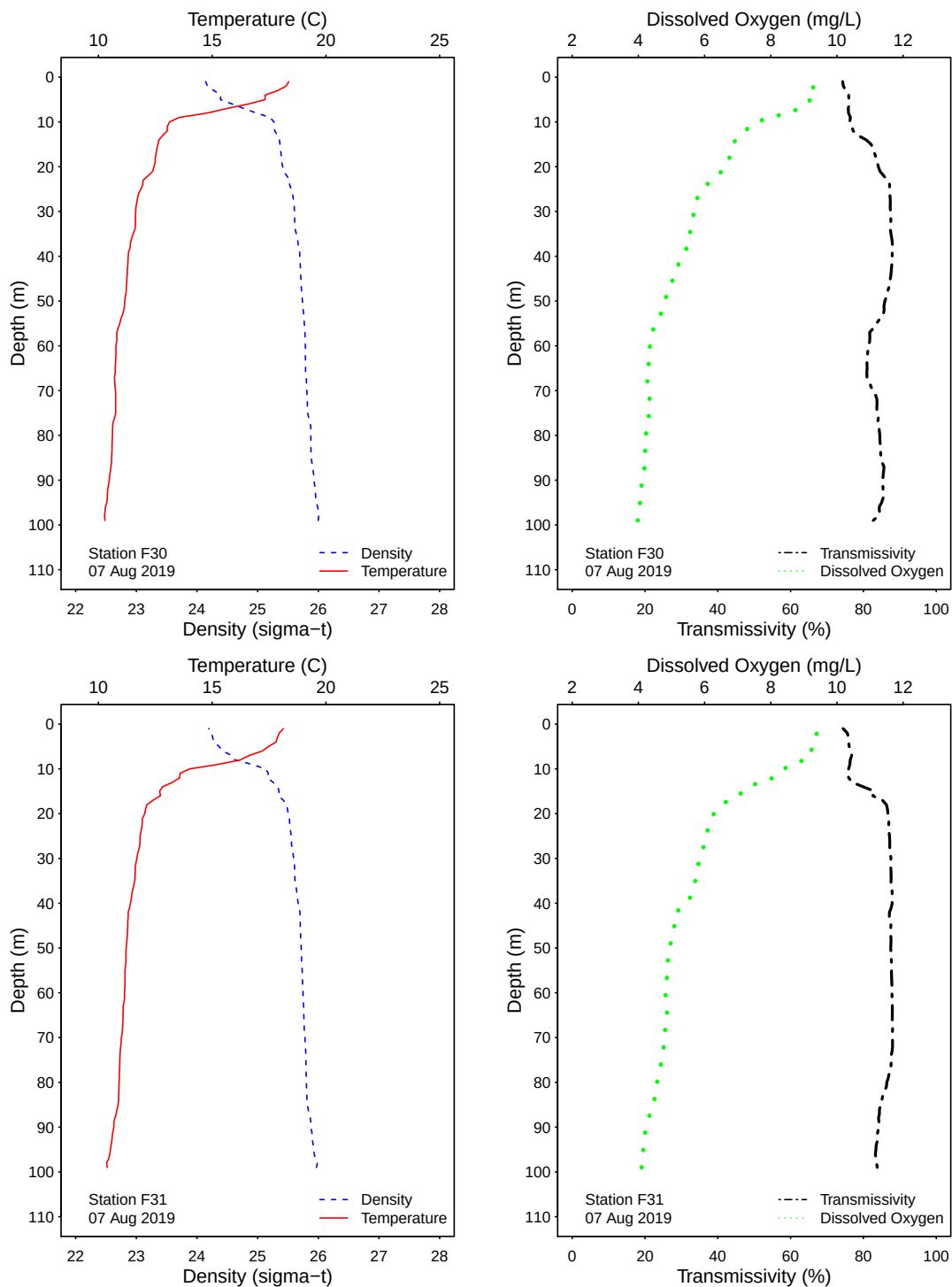


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

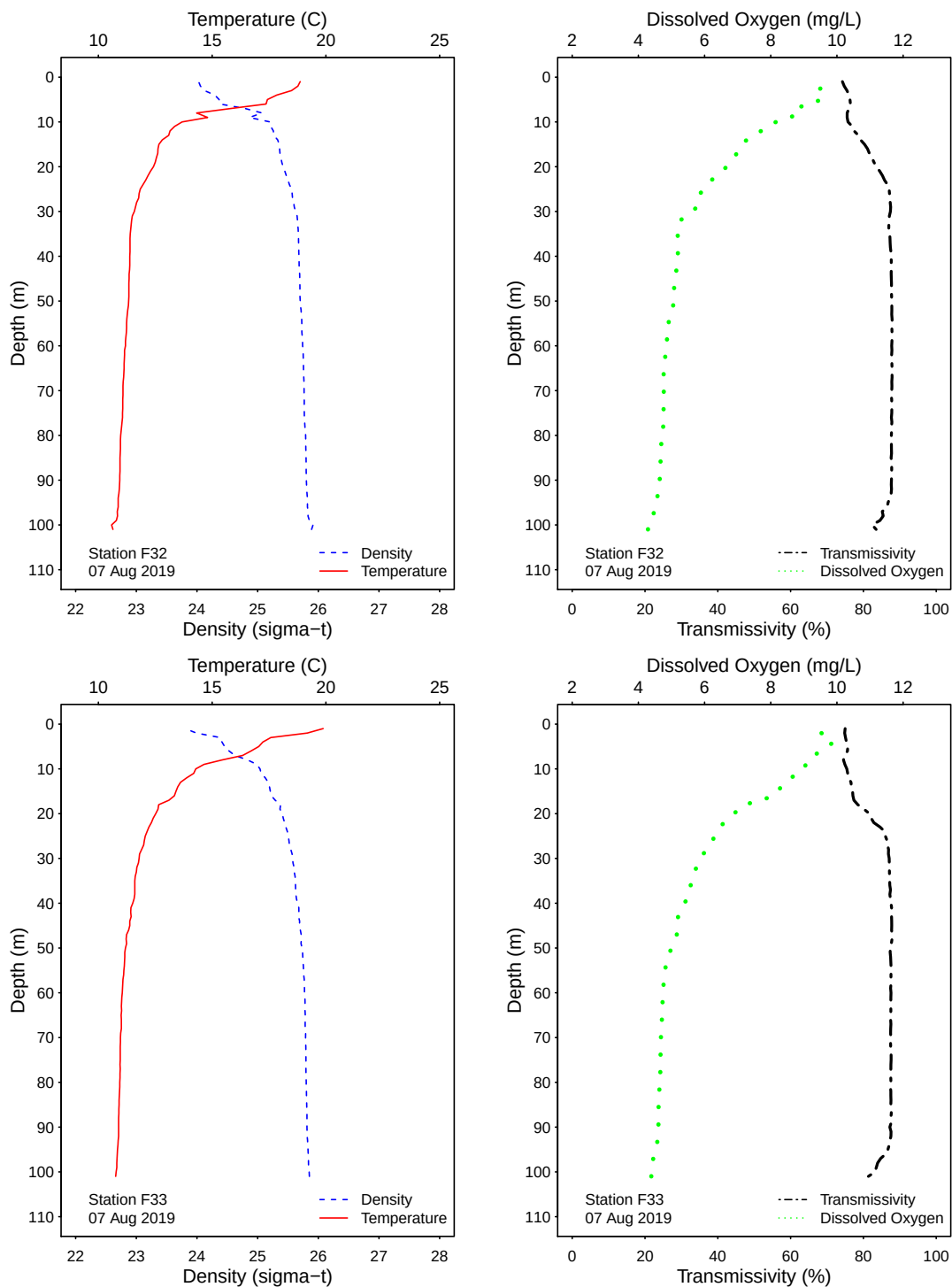


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

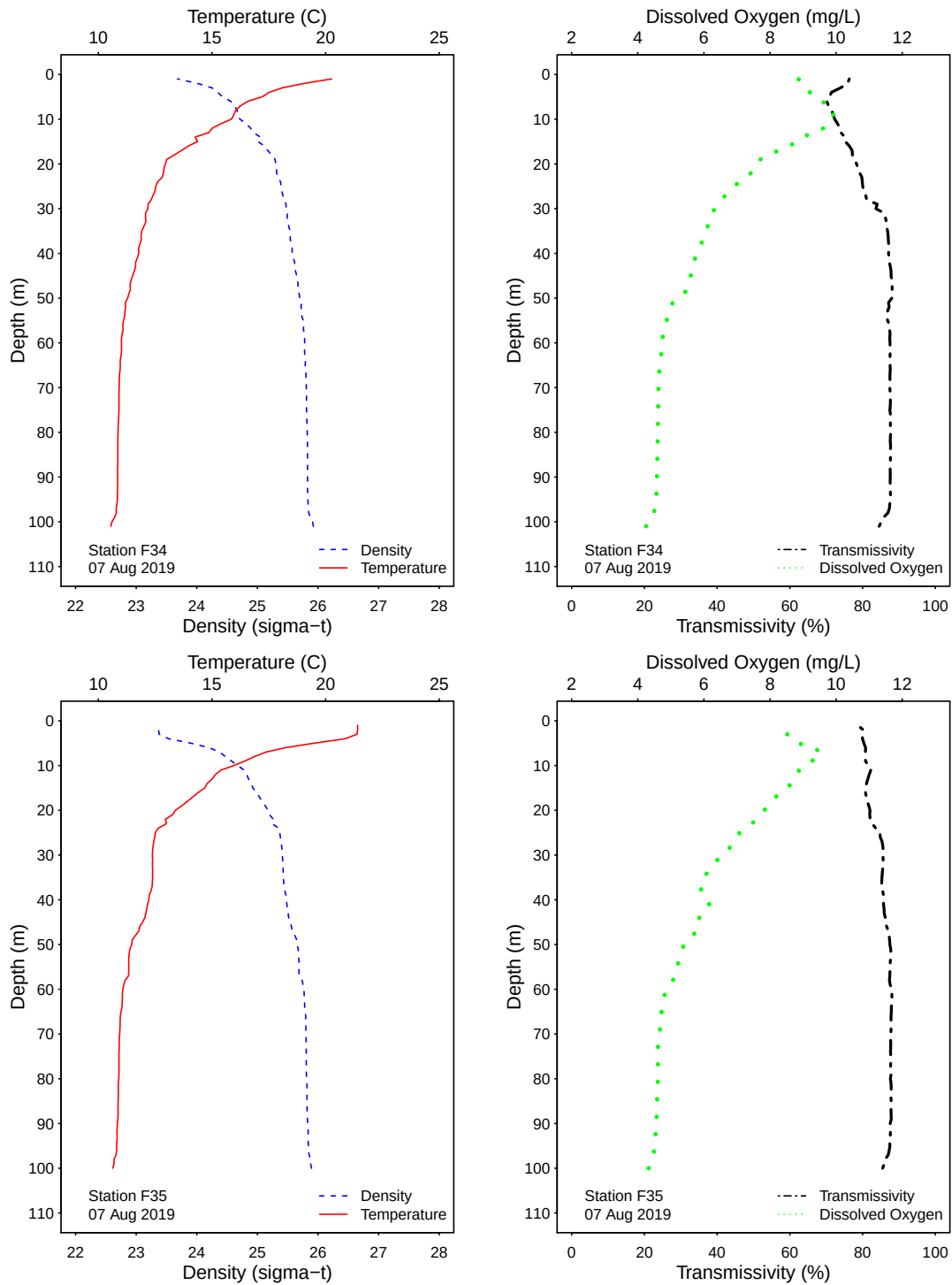


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

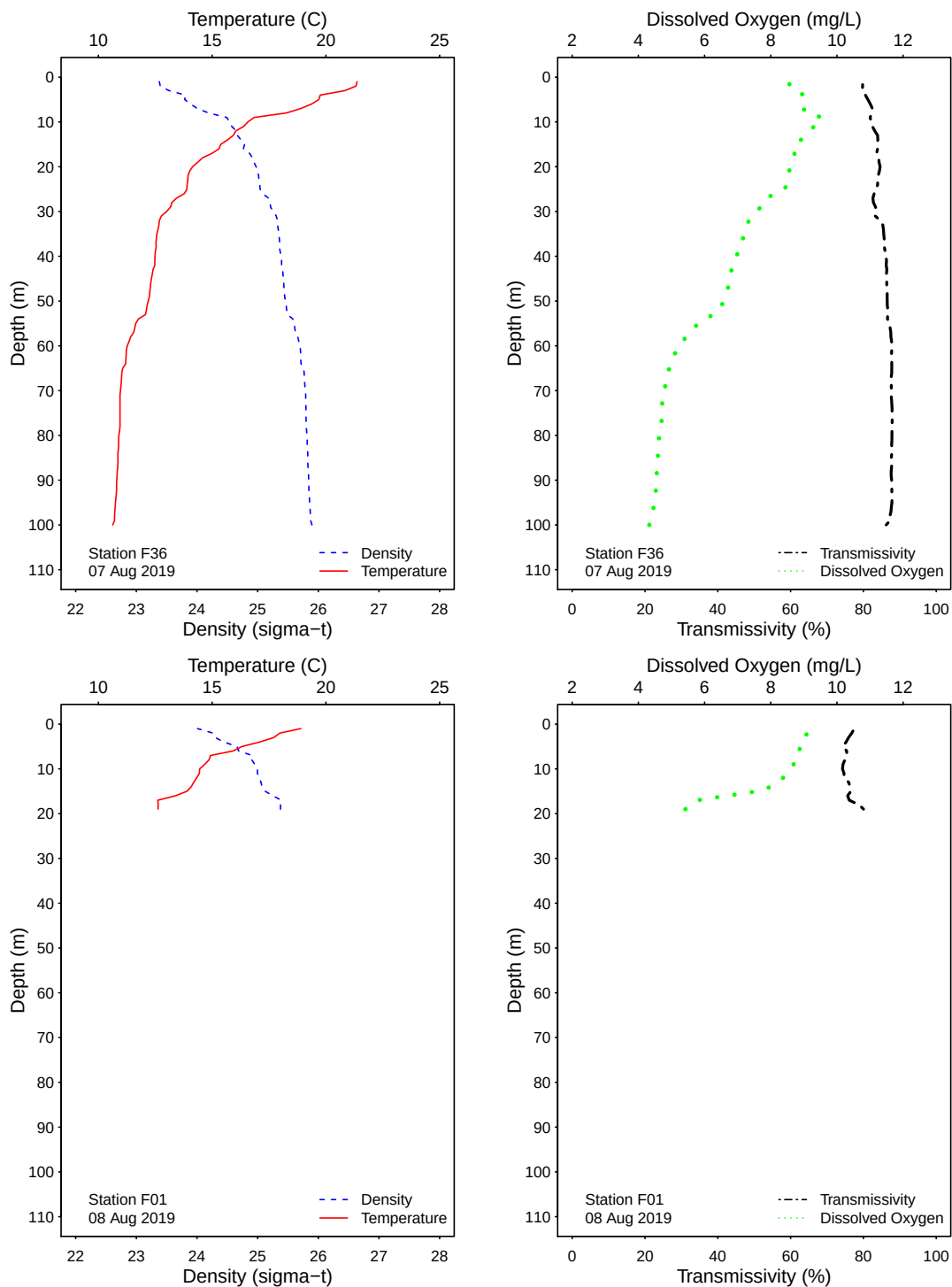


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

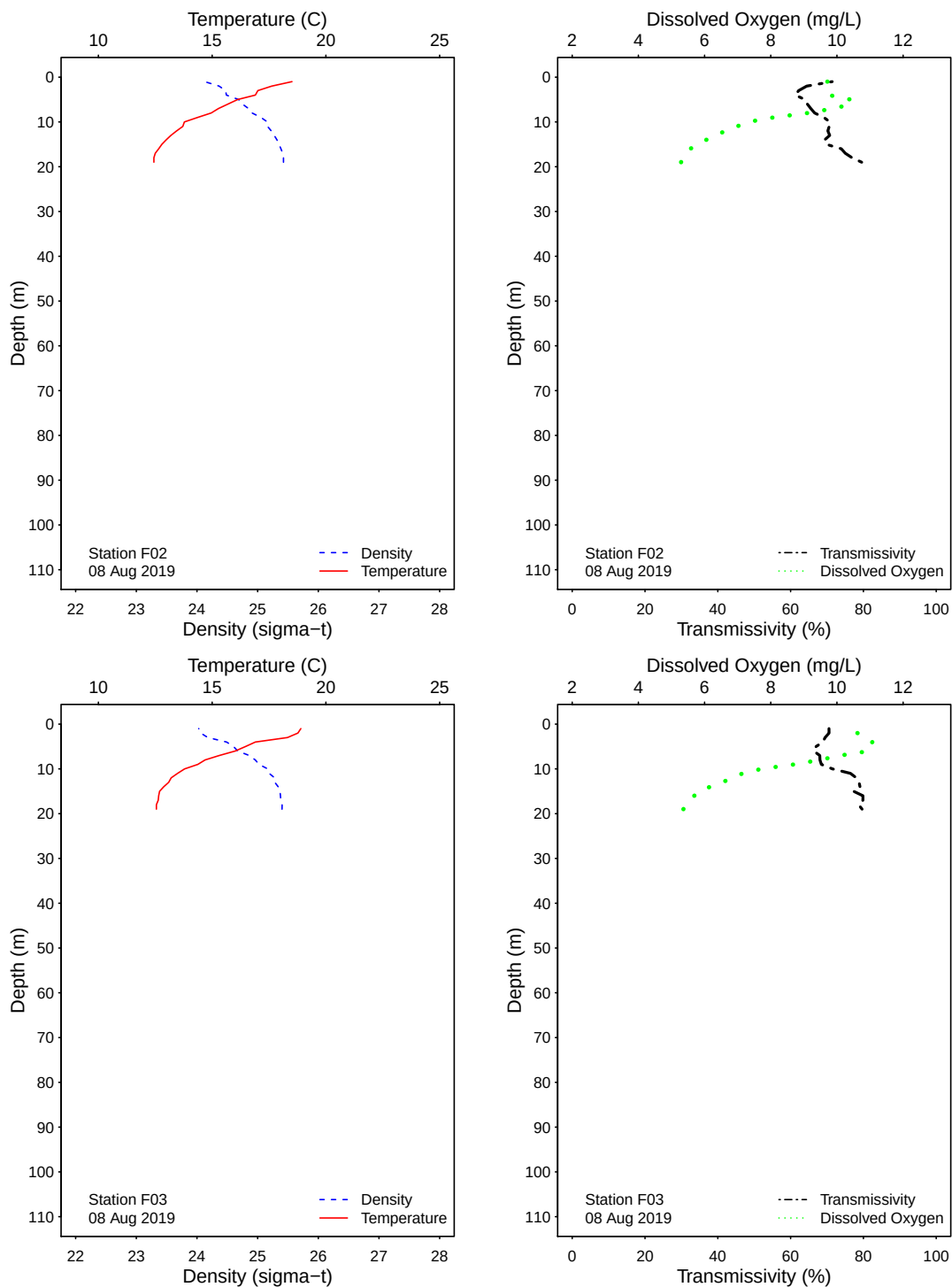


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

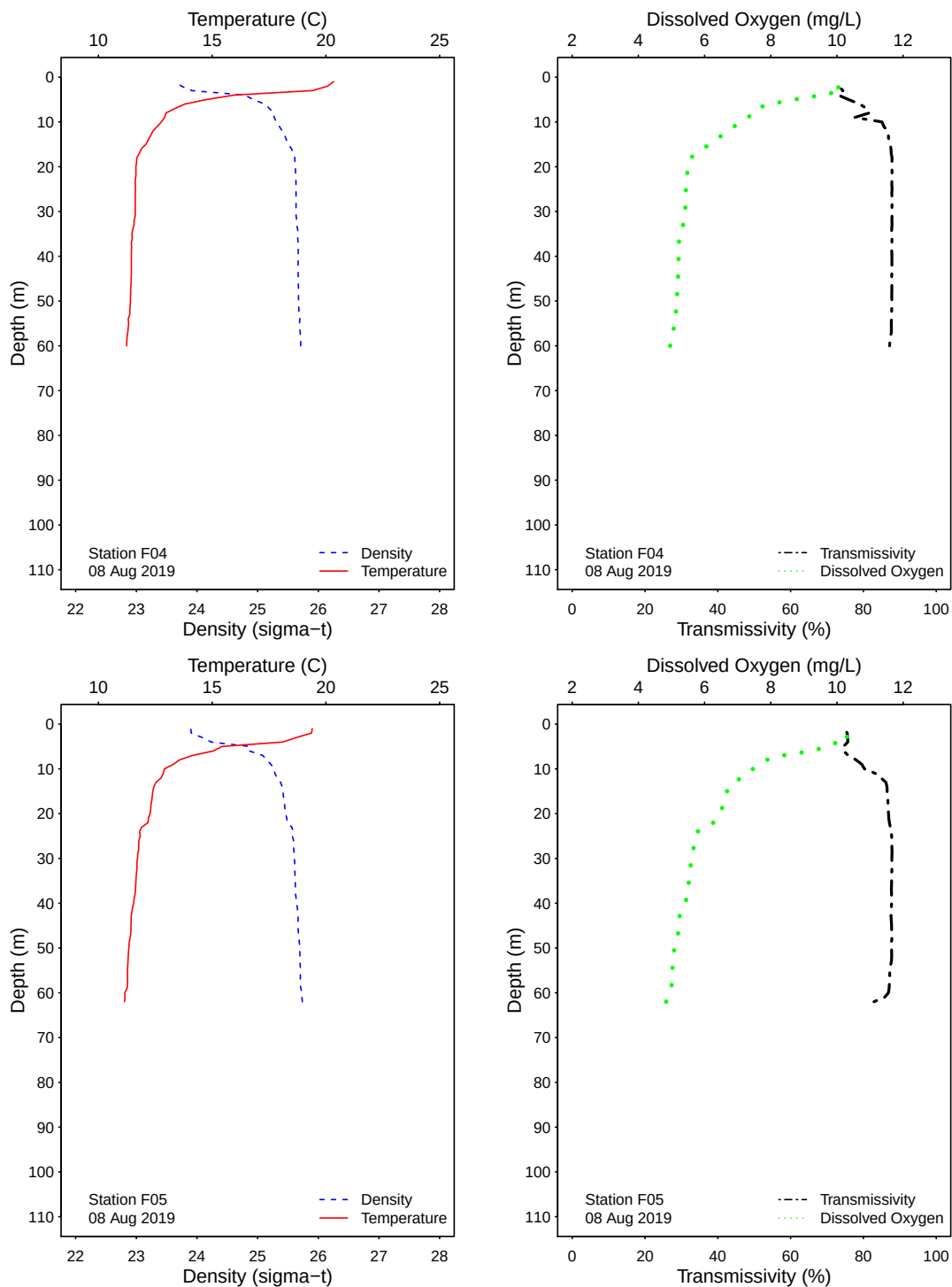


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

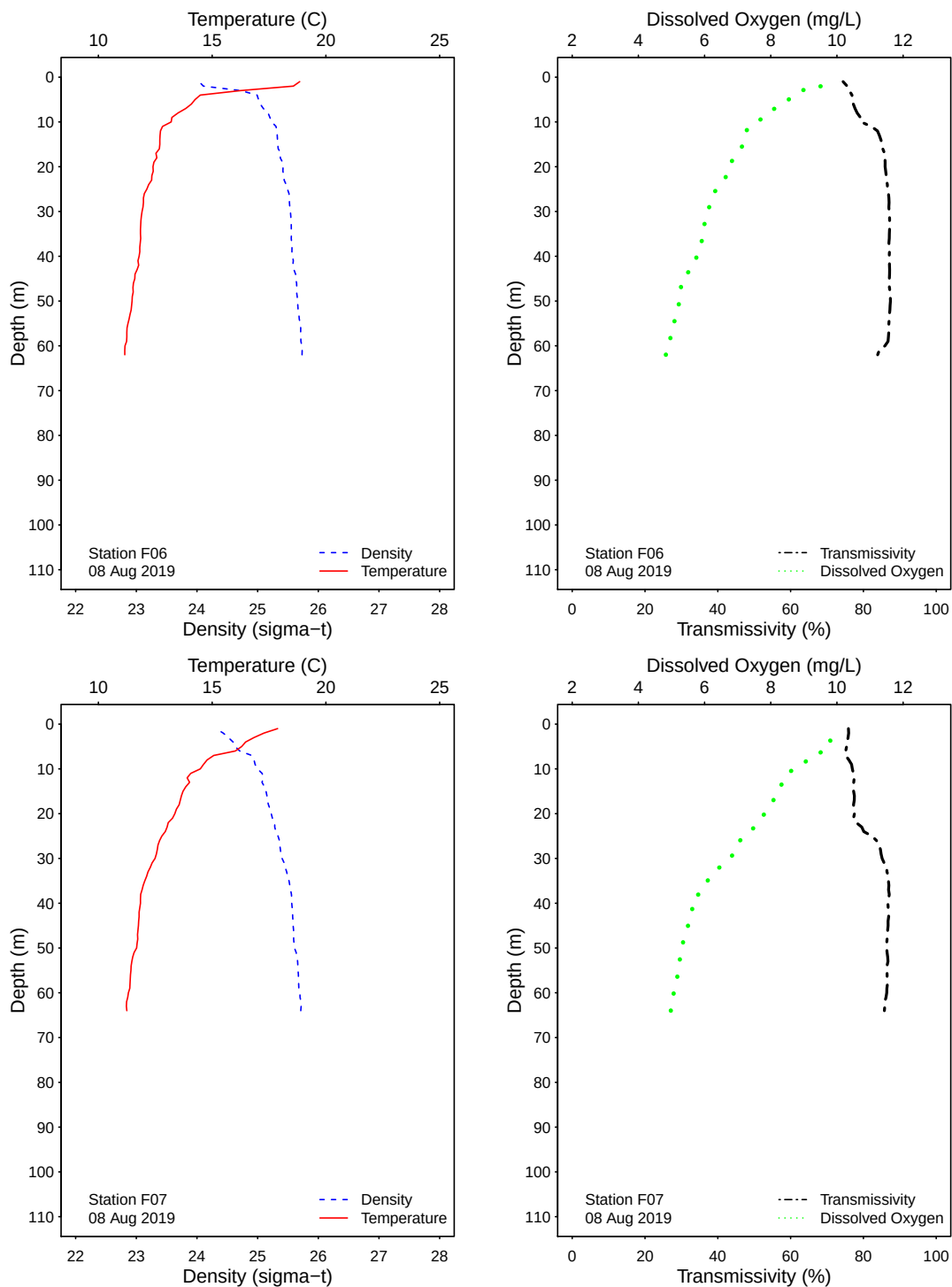


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

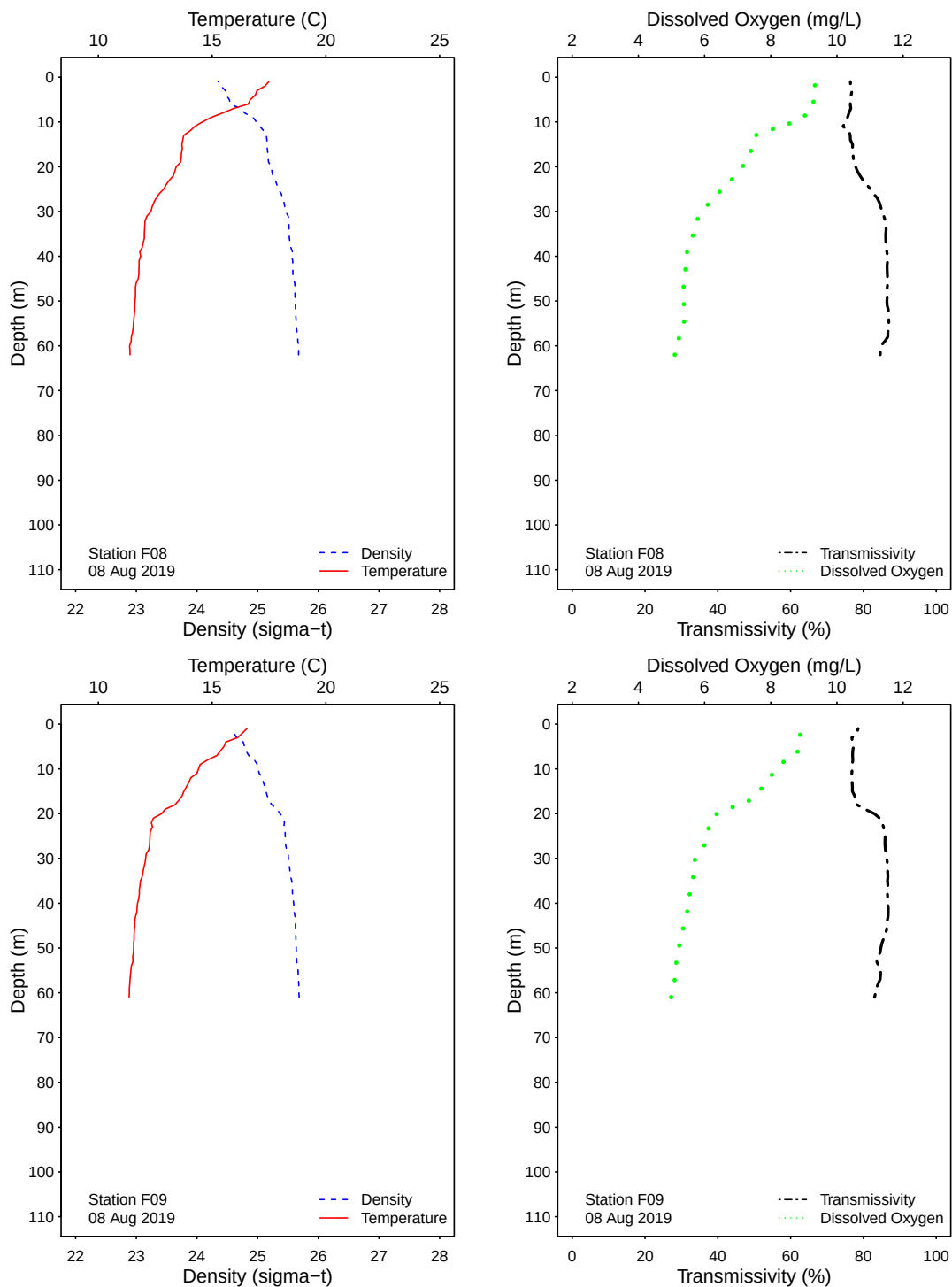


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

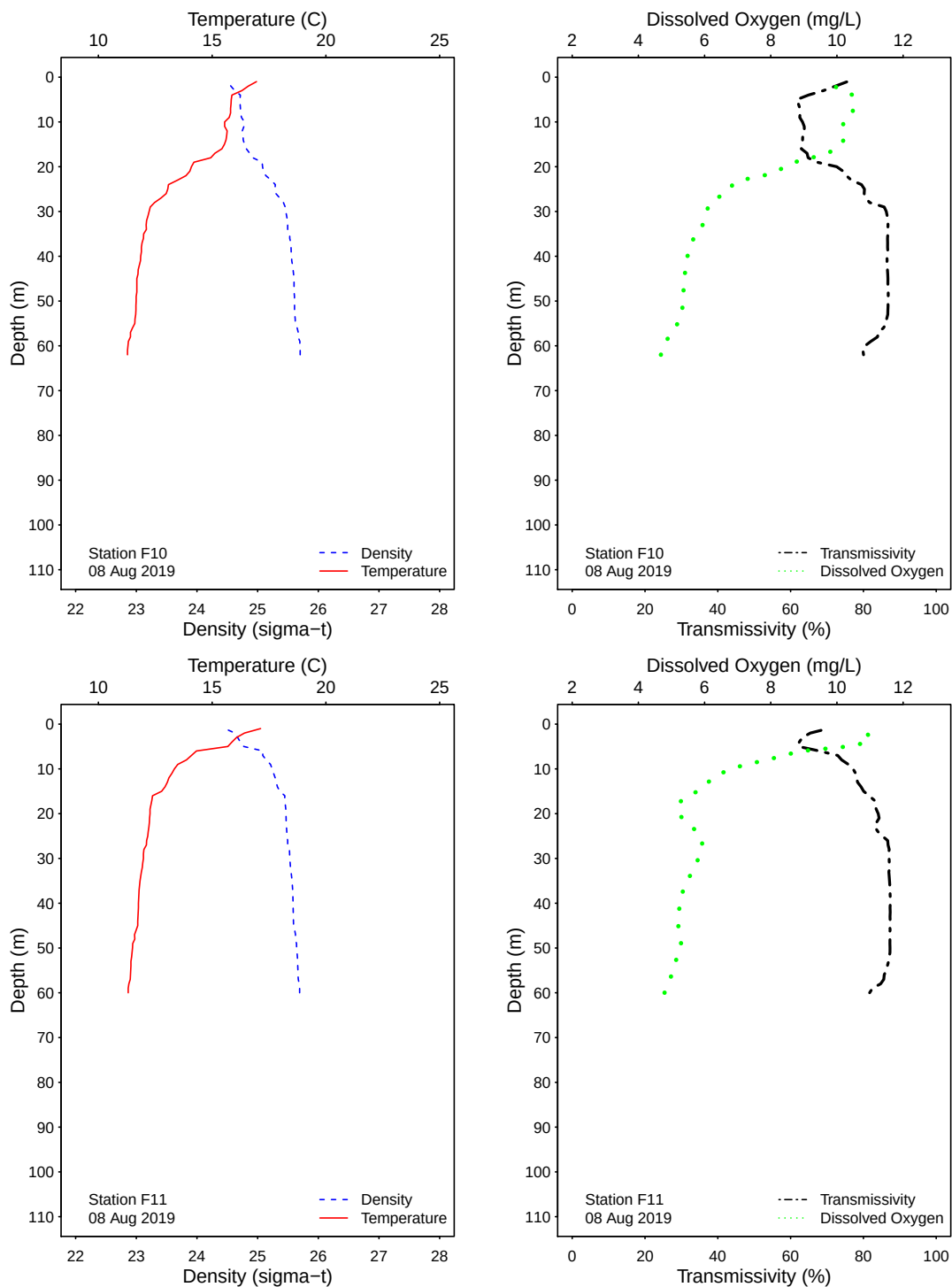


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

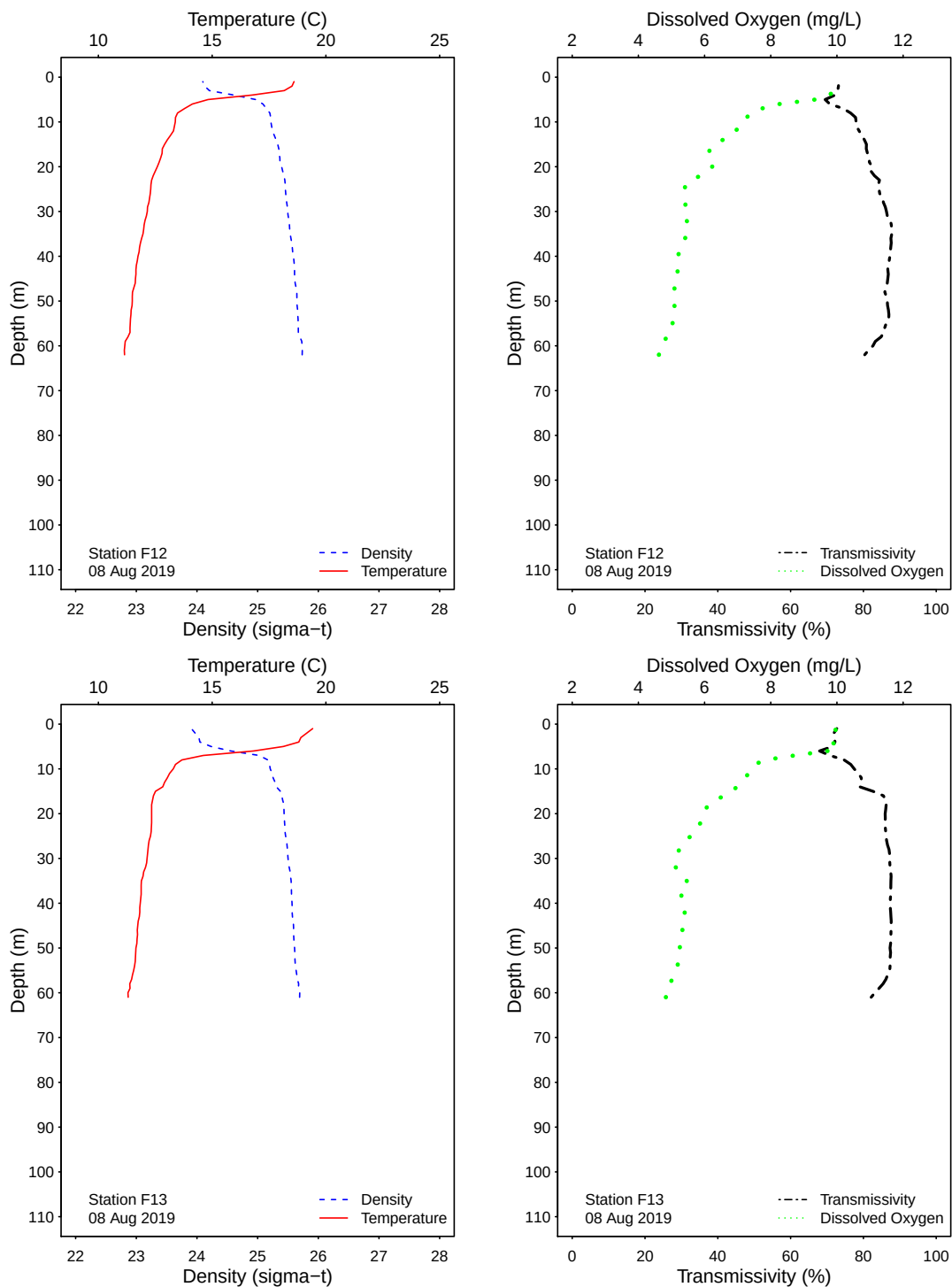


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

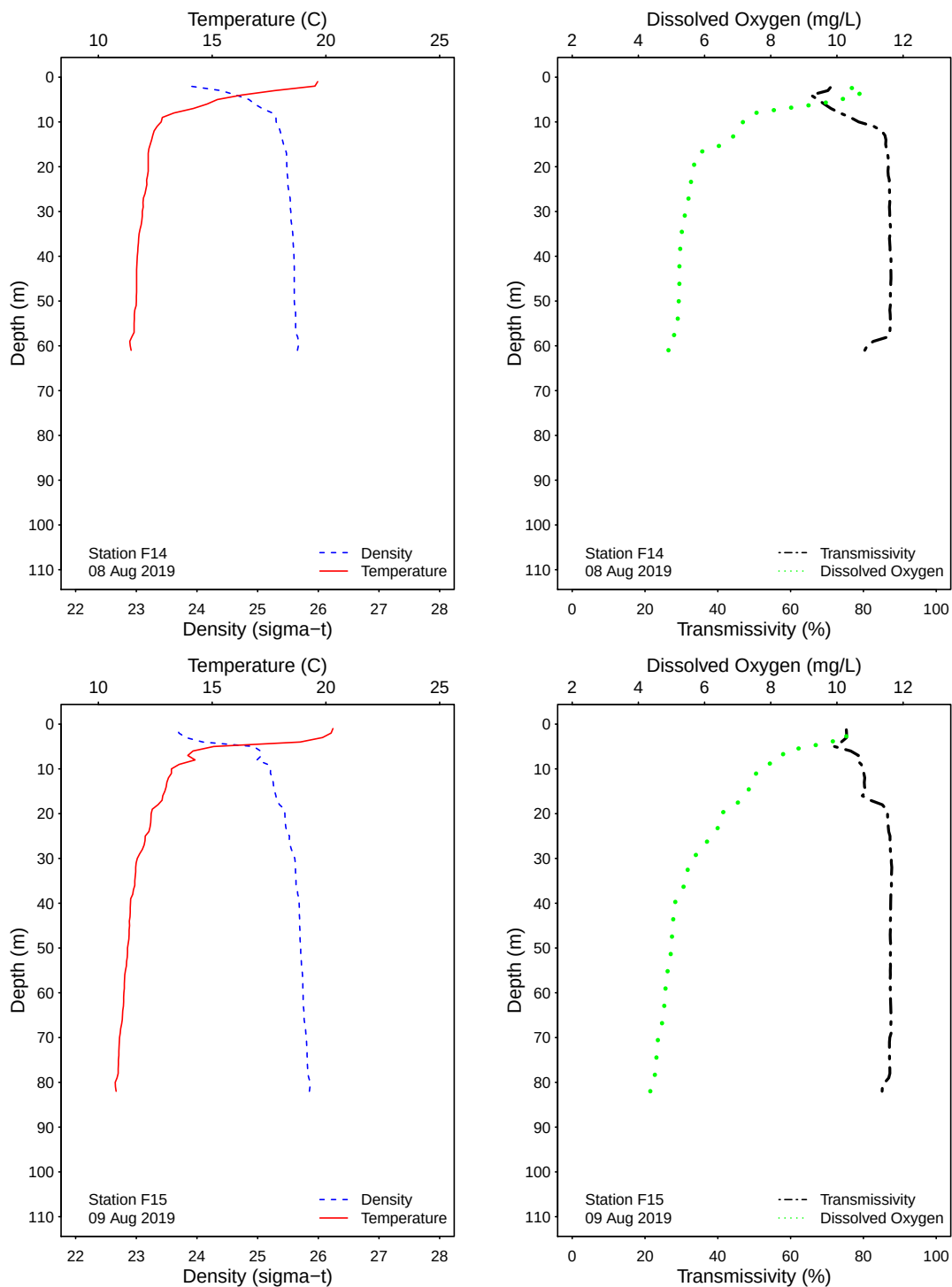


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

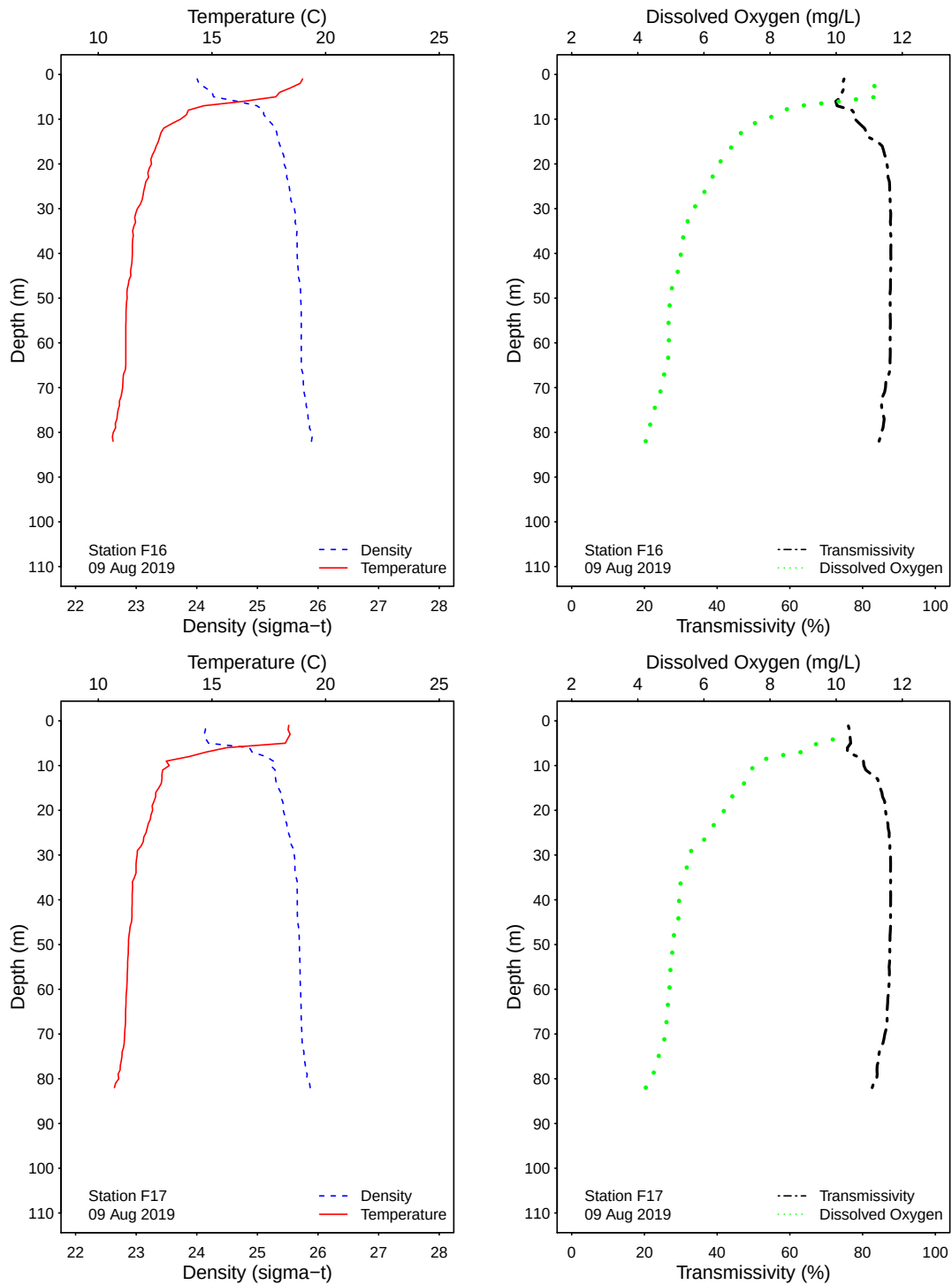


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

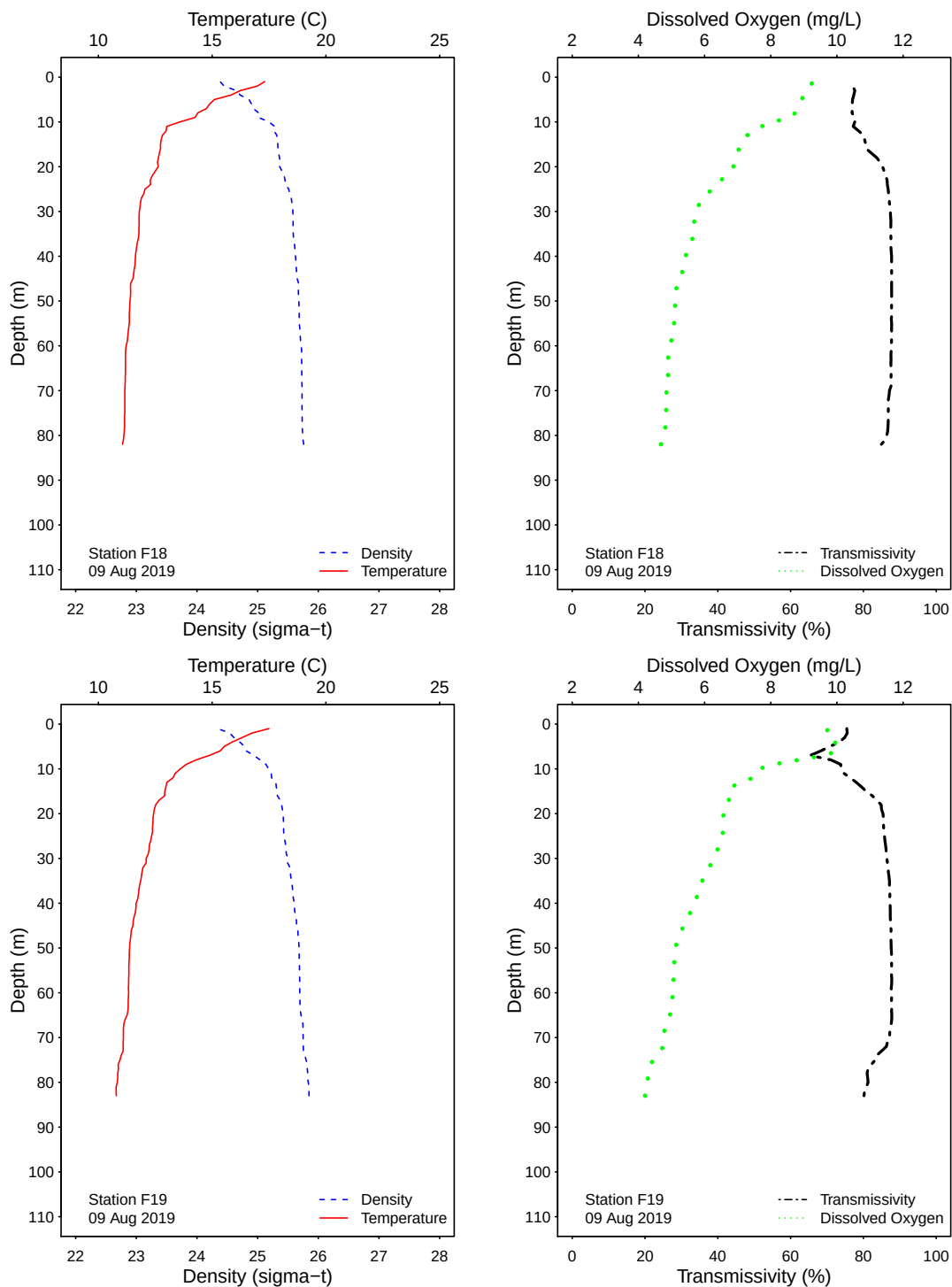


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

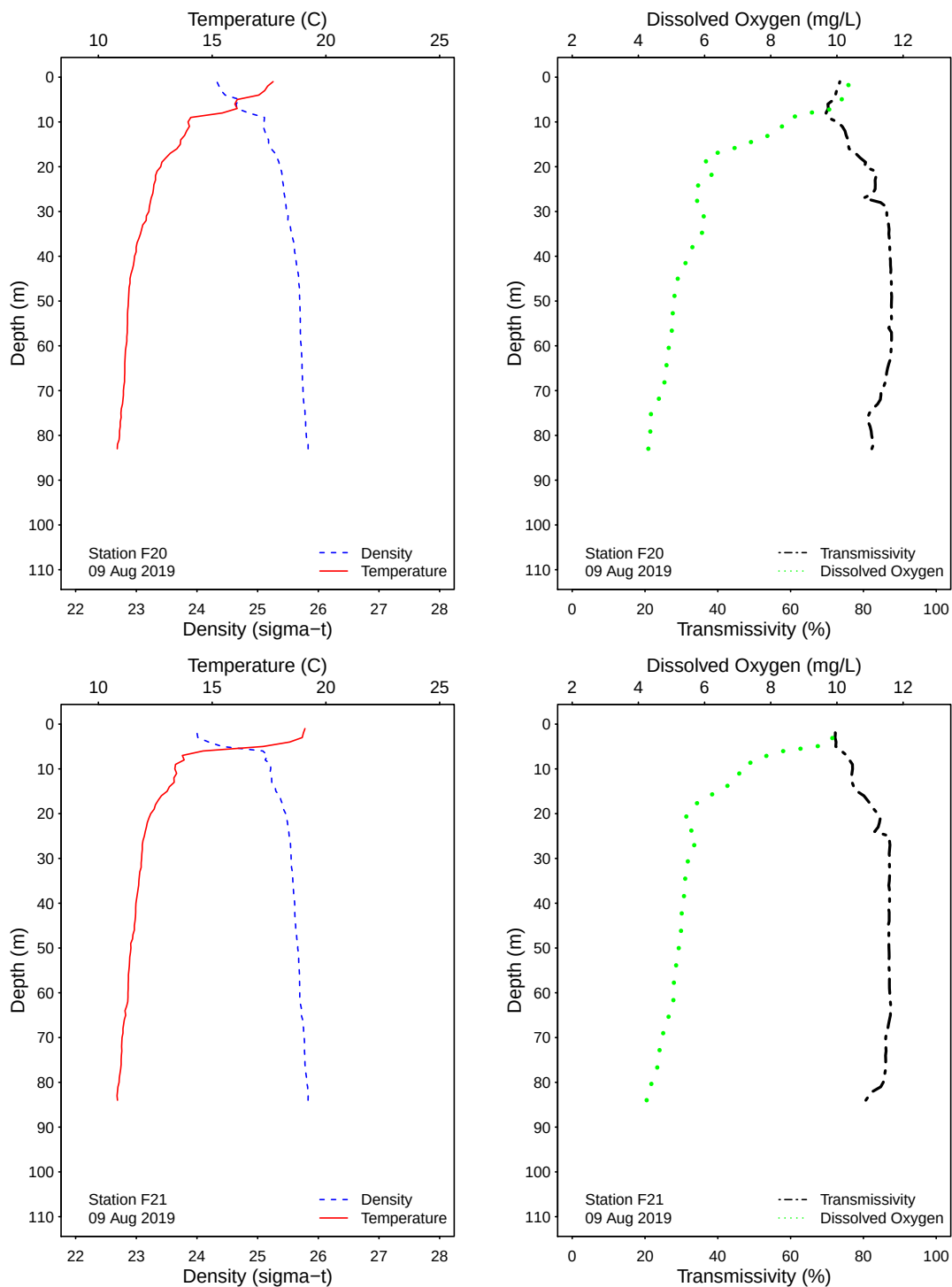


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

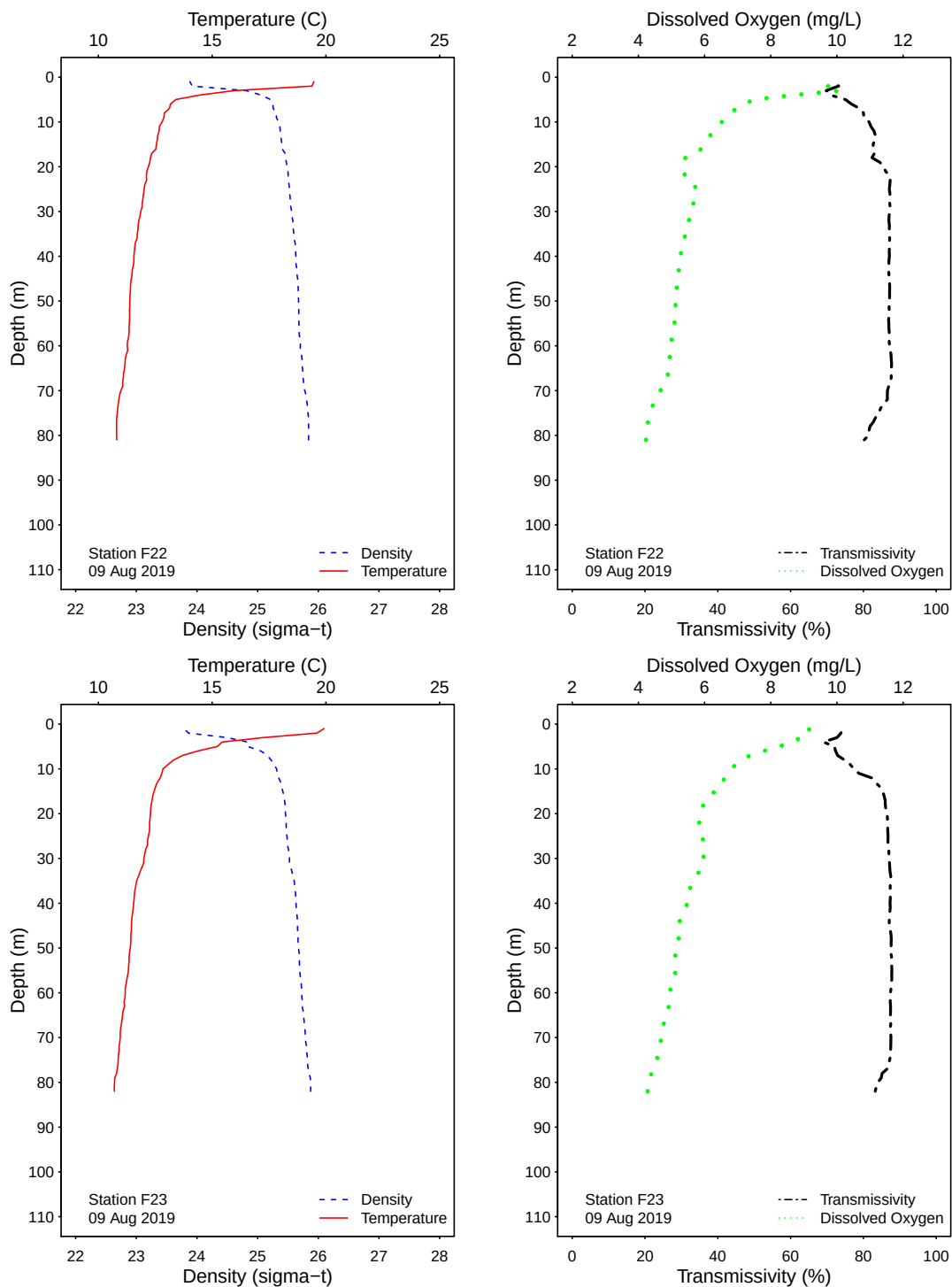


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

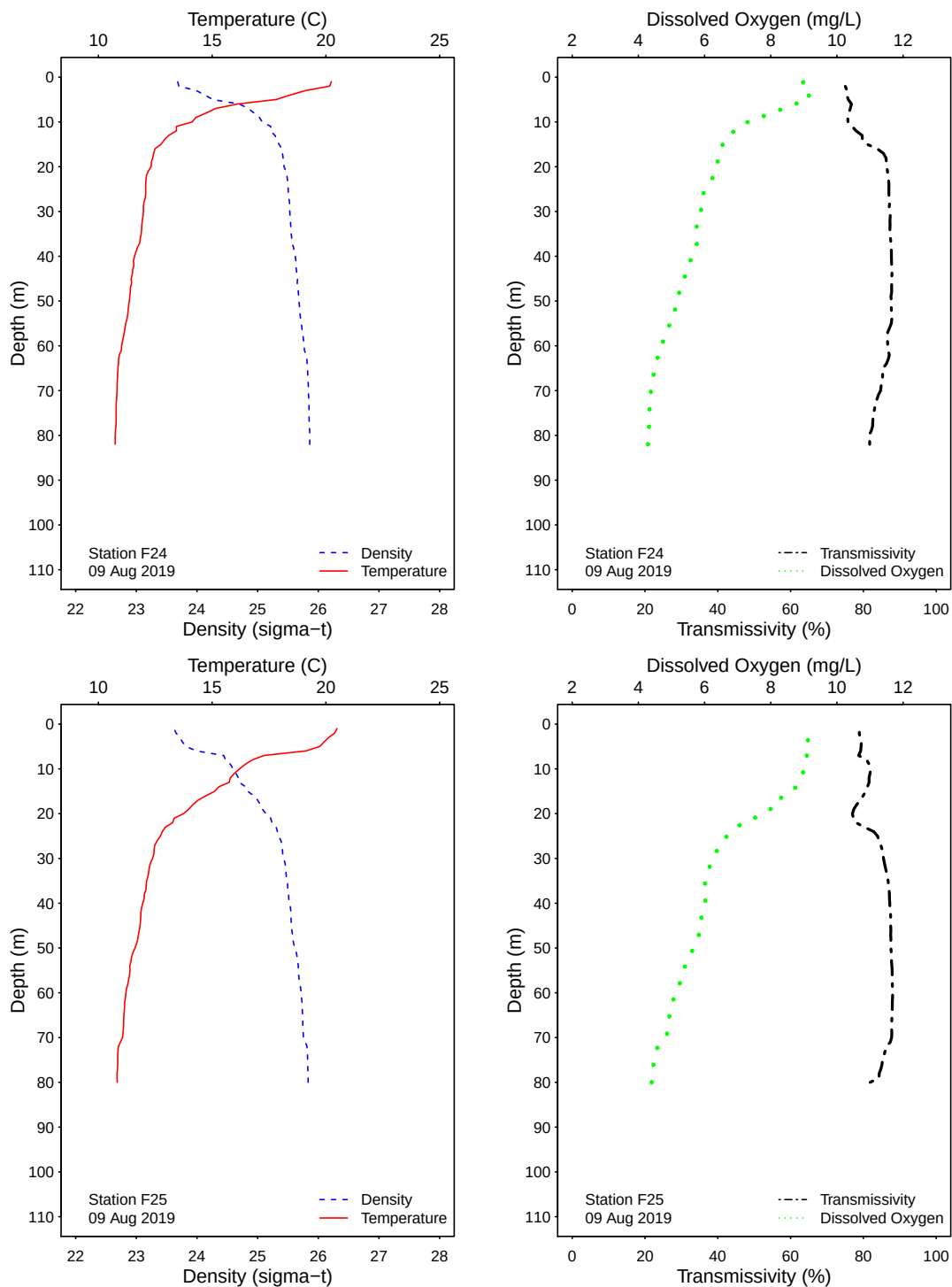


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

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 Aug 2019	18	JT	LAB DUPLICATE	2e	<2	<2
A7	15 Aug 2019	18	BS	LAB DUPLICATE	22e	2e	ns
A7	19 Aug 2019	18	AR	LAB DUPLICATE	2e	<2	<2
A7	28 Aug 2019	18	JT	LAB DUPLICATE	4e	<2	<2
C7	05 Aug 2019	18	JT	LAB DUPLICATE	30e	8e	<2
C7	15 Aug 2019	18	AR	LAB DUPLICATE	4e	<2	<2
C7	19 Aug 2019	18	AR	LAB DUPLICATE	<20	<2	<2
C7	28 Aug 2019	18	JT	LAB DUPLICATE	<2	<2	<2
C8	05 Aug 2019	12	JT	LAB DUPLICATE	<2	<2	<2
C8	15 Aug 2019	12	JF	LAB DUPLICATE	<2	<2	<2
C8	19 Aug 2019	12	JF	LAB DUPLICATE	<2	<2	<2
C8	28 Aug 2019	12	JF	LAB DUPLICATE	<2	<2	<2
D12	07 Aug 2019		JF	FIELD DUPLICATE	2e	<2	<2
D12	07 Aug 2019		JF	LAB DUPLICATE	2e	<2	<2
D12	14 Aug 2019		BS	FIELD DUPLICATE	8e	<2	<2
D12	14 Aug 2019		BS	LAB DUPLICATE	<20	<2	<2
D12	21 Aug 2019		AE	FIELD DUPLICATE	2e	<2	4e
D12	21 Aug 2019		AE	LAB DUPLICATE	<200	<2	2e
D12	28 Aug 2019		JT	FIELD DUPLICATE	40e	8e	4e
D12	28 Aug 2019		JT	LAB DUPLICATE	20e	4e	4e
F01	08 Aug 2019	12	AE	LAB DUPLICATE	ns	ns	<2
F02	08 Aug 2019	12	AE	LAB DUPLICATE	ns	ns	2e
F07	08 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	6e
F08	08 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	2e
F11	08 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	2e
F17	09 Aug 2019	80	BS	LAB DUPLICATE	ns	ns	22e
F18	09 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	6e
F19	09 Aug 2019	60	JF	LAB DUPLICATE	ns	ns	12e
F20	09 Aug 2019	60	JF	LAB DUPLICATE	ns	ns	16e
F21	09 Aug 2019	80	BS	LAB DUPLICATE	ns	ns	4e
F28	07 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	24e
F29	07 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	14e
F30	07 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	80e
F31	07 Aug 2019	80	BS	LAB DUPLICATE	ns	ns	16e
F32	07 Aug 2019	80	BS	LAB DUPLICATE	ns	ns	<2
F34	07 Aug 2019	60	BS	LAB DUPLICATE	ns	ns	24e

ns = not sampled

ND = no data

