



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 2018

Environmental Monitoring and Technical Services
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Public Utilities Department

Environmental Monitoring & Technical Services Division

September 30, 2018

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the August 2018 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

TDS/rjg

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

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INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2017-0007, 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). However, station D8 was replaced by alternate station D8-A in June 2016 because of inaccessibility to the original site. Additionally, due to increasing instability in several cliffside areas off Point Loma, City staff have been unable to safely access and sample both D8-A and station D7 since February 7, 2018. Consequently, the City is working with the San Diego Water Board to identify new alternate sample locations until safe access can be restored to these two original sites. During March 2018, the City was able to identify a new alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A. In contrast, no suitable alternate site with safe access has yet been determined for station D7. Thus, the City will continue to monitor conditions at station D7 while working with the Water Board to resolve the situation.

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

Routine weekly monitoring at each of the kelp bed sites 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]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.

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

Single Sample Maximums:

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2018 Quality Assurance Report, which will be completed in March 2019.

SUMMARY OF RESULTS

Shore Stations

- During August, all eight shore stations were in compliance with various 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* details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- There were no notable visual observations for August.

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled four times during the month (i.e. August 6, 13, 20, 27).
- During August, all of the kelp bed stations were in compliance with various water-contact standards specified in the Ocean Plan.
- Water column temperatures ranged from 14.19 to 25.54°C during the month. The difference between surface and bottom waters ranged from 4.10 to 10.33°C, indicating that the water column was stratified at some of the kelp bed stations during the month.

- Chlorophyll *a* concentrations ranged from 0.23 to 3.64 µg/L during August, suggesting the presence of phytoplankton during the month.
- There were no notable visual observations for August.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on August 28, 29, and 30
- During August, 1 of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*.
 - o The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station F18 at 80 m on August 29.
- All but 1 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- The exception included station F28, which exceeded the single sample maximum for *Enterococcus* at 80 m on August 30.
- During August, water column temperatures ranged from 10.47 to 23.86°C. The difference between surface and bottom waters ranged from 7.38 to 13.02°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0 to 3.67 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

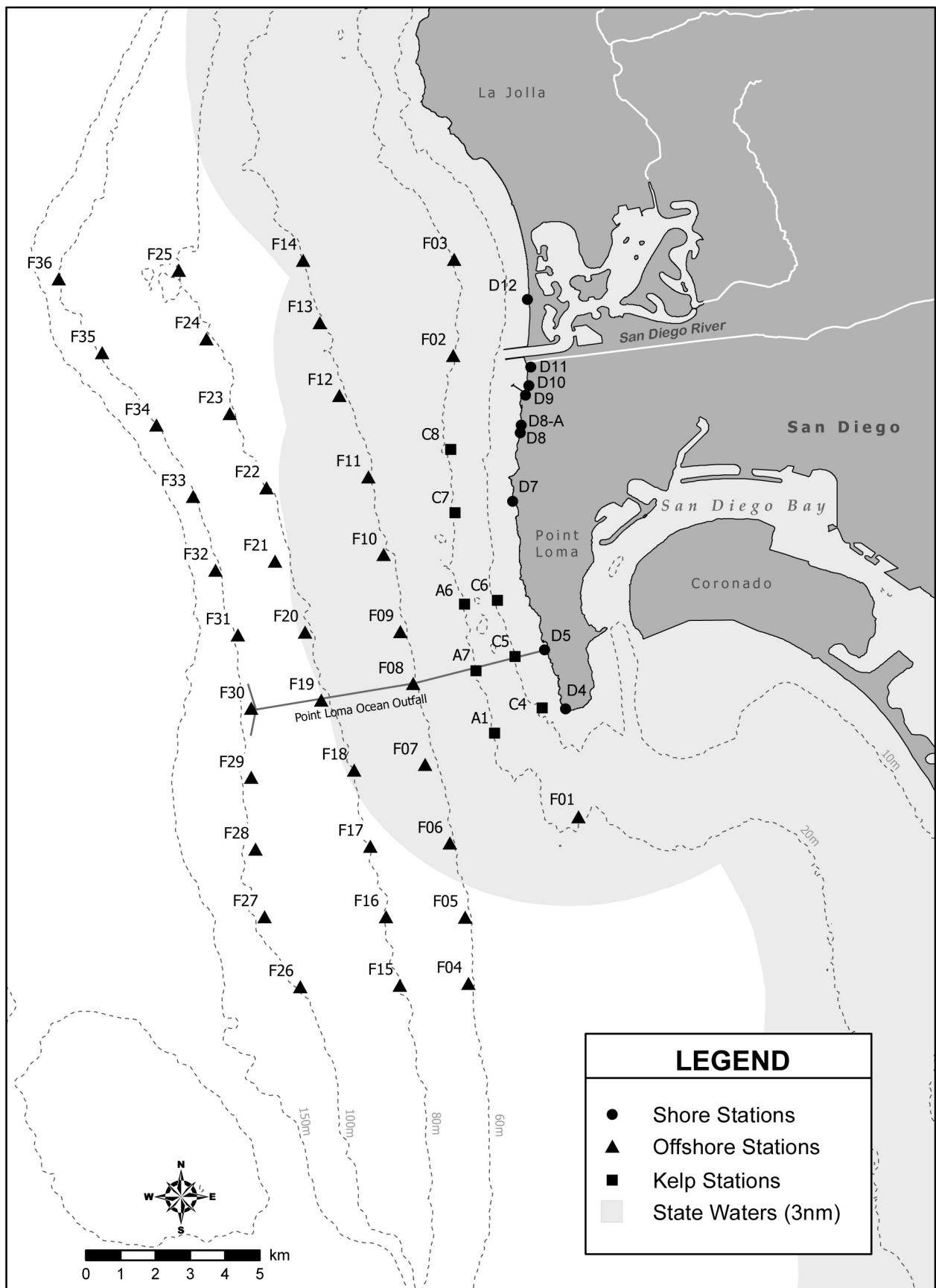


Figure 1.1 Station Map

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 2018	50	32	ns	32	24	41	66	23
02 Aug 2018	50	32	ns	32	24	41	66	23
03 Aug 2018	50	32	ns	32	24	41	66	23
04 Aug 2018	63*	36*	ns	36*	25*	49*	50*	24*
05 Aug 2018	63*	36*	ns	36*	25*	49*	50*	24*
06 Aug 2018	63*	36*	ns	36*	25*	49*	50*	24*
07 Aug 2018	63*	36*	ns	36*	25*	49*	50*	24*
08 Aug 2018	80	32	ns	36	33	41	42	35
09 Aug 2018	80	32	ns	36	33	41	42	35
10 Aug 2018	112*	36*	ns	42*	26*	30*	42*	34*
11 Aug 2018	112*	36*	ns	42*	26*	30*	42*	34*
12 Aug 2018	112*	36*	ns	42*	26*	30*	42*	34*
13 Aug 2018	112*	36*	ns	42*	26*	30*	42*	34*
14 Aug 2018	112*	36*	ns	42*	26*	30*	42*	34*
15 Aug 2018	80	50	ns	58	29	32	36	30
16 Aug 2018	80	50	ns	58	29	32	36	30
17 Aug 2018	112*	63*	ns	75*	36*	36*	42*	34*
18 Aug 2018	112*	63*	ns	75*	36*	36*	42*	34*
19 Aug 2018	112*	63*	ns	75*	36*	36*	42*	34*
20 Aug 2018	112*	63*	ns	75*	36*	36*	42*	34*
21 Aug 2018	112*	63*	ns	75*	36*	36*	42*	34*
22 Aug 2018	126	80	ns	66	32	32	36	30
23 Aug 2018	126	80	ns	66	32	32	36	30
24 Aug 2018	112*	63*	ns	50*	36*	36*	24*	34*
25 Aug 2018	112*	63*	ns	50*	36*	36*	24*	34*
26 Aug 2018	112*	63*	ns	50*	36*	36*	24*	34*
27 Aug 2018	112*	63*	ns	50*	36*	36*	24*	34*
28 Aug 2018	112*	63*	ns	50*	36*	36*	24*	34*
29 Aug 2018	80	50	ns	42	32	32	19	30
30 Aug 2018	80	50	ns	42	32	32	19	30
31 Aug 2018	63*	63*	ns	50*	36*	24*	16*	34*

* 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 2018	2	2	ns	2	2	3	7	2
02 Aug 2018	2	2	ns	2	2	3	7	2
03 Aug 2018	2	2	ns	2	2	3	7	2
04 Aug 2018	2*	2*	ns	2*	2*	4*	4*	2*
05 Aug 2018	2*	2*	ns	2*	2*	4*	4*	2*
06 Aug 2018	2*	2*	ns	2*	2*	4*	4*	2*
07 Aug 2018	2*	2*	ns	2*	2*	4*	4*	2*
08 Aug 2018	2	4	ns	3	2	3	3	2
09 Aug 2018	2	4	ns	3	2	3	3	2
10 Aug 2018	2*	5*	ns	3*	2*	2*	3*	2*
11 Aug 2018	2*	5*	ns	3*	2*	2*	3*	2*
12 Aug 2018	2*	5*	ns	3*	2*	2*	3*	2*
13 Aug 2018	2*	5*	ns	3*	2*	2*	3*	2*
14 Aug 2018	2*	5*	ns	3*	2*	2*	3*	2*
15 Aug 2018	2	4	ns	3	2	3	3	2
16 Aug 2018	2	4	ns	3	2	3	3	2
17 Aug 2018	2*	5*	ns	3*	2*	4*	3*	2*
18 Aug 2018	2*	5*	ns	3*	2*	4*	3*	2*
19 Aug 2018	2*	5*	ns	3*	2*	4*	3*	2*
20 Aug 2018	2*	5*	ns	3*	2*	4*	3*	2*
21 Aug 2018	2*	5*	ns	3*	2*	4*	3*	2*
22 Aug 2018	2	4	ns	5	2	4	3	3
23 Aug 2018	2	4	ns	5	2	4	3	3
24 Aug 2018	2*	5*	ns	6*	2*	5*	2*	4*
25 Aug 2018	2*	5*	ns	6*	2*	5*	2*	4*
26 Aug 2018	2*	5*	ns	6*	2*	5*	2*	4*
27 Aug 2018	2*	5*	ns	6*	2*	5*	2*	4*
28 Aug 2018	2*	5*	ns	6*	2*	5*	2*	4*
29 Aug 2018	3	4	ns	7	2	5	2	3
30 Aug 2018	3	4	ns	7	2	5	2	3
31 Aug 2018	3*	5*	ns	10*	2*	6*	2*	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 2018	2	2	ns	3	2	3	17	6
02 Aug 2018	2	2	ns	3	2	3	17	6
03 Aug 2018	2	2	ns	3	2	3	17	6
04 Aug 2018	2*	2*	ns	3*	2*	3*	6	3
05 Aug 2018	2*	2*	ns	3*	2*	3*	6*	4*
06 Aug 2018	2*	2*	ns	3*	2*	3*	6*	4*
07 Aug 2018	2*	2*	ns	3*	2*	3*	6*	4*
08 Aug 2018	3	2	ns	5	2	3	6	3
09 Aug 2018	3	2	ns	5	2	3	6	3
10 Aug 2018	3*	2*	ns	6*	2*	3*	4*	4*
11 Aug 2018	3*	2*	ns	6*	2*	3*	4*	4*
12 Aug 2018	3*	2*	ns	6*	2*	3*	4*	4*
13 Aug 2018	3*	2*	ns	6*	2*	3*	4*	4*
14 Aug 2018	3*	2*	ns	6*	2*	3*	4*	4*
15 Aug 2018	3	2	ns	5	2	2	4	3
16 Aug 2018	3	2	ns	5	2	2	4	3
17 Aug 2018	3*	2*	ns	4*	2*	3*	4*	4*
18 Aug 2018	3*	2*	ns	4*	2*	3*	4*	4*
19 Aug 2018	3*	2*	ns	4*	2*	3*	4*	4*
20 Aug 2018	3*	2*	ns	4*	2*	3*	4*	4*
21 Aug 2018	3*	2*	ns	4*	2*	3*	4*	4*
22 Aug 2018	3	2	ns	3	2	4	6	5
23 Aug 2018	3	2	ns	3	2	4	6	5
24 Aug 2018	3*	2*	ns	4*	2*	5*	5*	6*
25 Aug 2018	3*	2*	ns	4*	2*	5*	5*	6*
26 Aug 2018	3*	2*	ns	4*	2*	5*	5*	6*
27 Aug 2018	3*	2*	ns	4*	2*	5*	5*	6*
28 Aug 2018	3*	2*	ns	4*	2*	5*	5*	6*
29 Aug 2018	4	2	ns	4	2	5	4	5
30 Aug 2018	4	2	ns	4	2	5	4	5
31 Aug 2018	5*	2*	ns	4*	2*	5*	5*	4*

* 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
01 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
08 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
15 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
22 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
29 Aug 2018	IC	IC	ns	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
01 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
08 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
15 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
22 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
29 Aug 2018	IC	IC	ns	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
01 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
08 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
15 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
22 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
29 Aug 2018	IC	IC	ns	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
01 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
08 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
15 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
22 Aug 2018	IC	IC	ns	IC	IC	IC	IC	IC
29 Aug 2018	IC	IC	ns	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* (Enter) are reported as CFU/100 mL. The fecal:total coliform ratio (F:T) is unitless. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Enter	F:T
D4	01 Aug 2018	1009	<200	<2	<2	0.01
	08 Aug 2018	802	<200	4e	8e	0.02
	15 Aug 2018	848	<20	<2	<2	0.10
	22 Aug 2018	828	<200	<2	<2	0.01
	29 Aug 2018	1104	<20	6e	24e	0.30
D5	01 Aug 2018	955	<20	<2	2e	0.10
	08 Aug 2018	742	<20	56	2e	2.80
	15 Aug 2018	821	<200	<2	<2	0.01
	22 Aug 2018	814	<200	<2	<2	0.01
	29 Aug 2018	1047	<20	<2	<2	0.10
D7	01 Aug 2018	926	ns	ns	ns	ns
	08 Aug 2018	823	ns	ns	ns	ns
	15 Aug 2018	910	ns	ns	ns	ns
	22 Aug 2018	848	ns	ns	ns	ns
	29 Aug 2018	1015	ns	ns	ns	ns
D8-B	01 Aug 2018	915	<20	<2	<2	0.10
	08 Aug 2018	845	40e	10e	24e	0.25
	15 Aug 2018	936	<200	<2	<2	0.01
	22 Aug 2018	919	40e	30e	2e	0.75
	29 Aug 2018	1004	<20	14e	4e	0.70
D9	01 Aug 2018	851	20e	4e	<2	0.20
	08 Aug 2018	907	100e	<2	2e	0.02
	15 Aug 2018	959	40e	<2	4e	0.05
	22 Aug 2018	937	20e	<2	<2	0.10
	29 Aug 2018	946	<20	<2	<2	0.10
D10	01 Aug 2018	835	100e	2e	6e	0.02
	08 Aug 2018	920	<20	2e	2e	0.10
	15 Aug 2018	1021	40e	20e	2e	0.50
	22 Aug 2018	946	<20	6e	<20	0.30
	29 Aug 2018	921	20e	4e	8e	0.20
D11	01 Aug 2018	820	40e	4e	<2	0.10
	08 Aug 2018	935	<20	<2	8e	0.10
	15 Aug 2018	1044	<20	<2	<2	0.10
	22 Aug 2018	1009	20e	<2	<20	0.10
	29 Aug 2018	856	8e	2e	<2	0.25

Station	Date	Time	Total	Fecal	Enterο	F:T
D12	01 Aug 2018	759	<20	<2	<20	0.10
D12	08 Aug 2018	1030	160e	<2	<2	0.01
D12	15 Aug 2018	1121	<20	<2	<2	0.10
D12	22 Aug 2018	1048	20e	22e	20e	1.10
D12	29 Aug 2018	822	<20	2e	<2	0.10

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
D7	01 Aug 2018			Site inaccessible due to unsafe conditions
D7	08 Aug 2018			Site inaccessible due to unsafe conditions
D7	15 Aug 2018			Site inaccessible due to unsafe conditions
D7	22 Aug 2018			Site inaccessible due to unsafe conditions
D7	29 Aug 2018			Site inaccessible due to unsafe conditions

Table 2.9

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

Station	Date	Parameter	Value
D4	01 Aug 2018	Arrive Time	1009
D4	01 Aug 2018	Weather	Sunny
D4	01 Aug 2018	Wind Speed (kts)	3.8
D4	01 Aug 2018	Wind Dir	S
D4	01 Aug 2018	Animal Life	1 Shorebird; 4 Birds
D4	01 Aug 2018	Floatables	None
D4	01 Aug 2018	Water Color	Green
D4	01 Aug 2018	Current Direction	S
D4	01 Aug 2018	Water Temp (C)	27
D4	01 Aug 2018	Wave Height Low (ft)	1
D4	01 Aug 2018	High Tide (ft)	4.2
D4	01 Aug 2018	High Tide Time	1302
D4	01 Aug 2018	Low Tide (ft)	0.5
D4	01 Aug 2018	Low Tide Time	637
D4	01 Aug 2018	Comments	Kelp; Seagrass; 1 Surfer; 8 Boats; Water clear
D4	08 Aug 2018	Arrive Time	802
D4	08 Aug 2018	Weather	Sunny
D4	08 Aug 2018	Wind Speed (kts)	2.1
D4	08 Aug 2018	Wind Dir	W
D4	08 Aug 2018	Animal Life	None
D4	08 Aug 2018	Floatables	None
D4	08 Aug 2018	Water Color	Green
D4	08 Aug 2018	Current Direction	N
D4	08 Aug 2018	Water Temp (C)	24
D4	08 Aug 2018	Wave Height Low (ft)	2
D4	08 Aug 2018	High Tide (ft)	3.9
D4	08 Aug 2018	High Tide Time	808
D4	08 Aug 2018	Low Tide (ft)	1.9
D4	08 Aug 2018	Low Tide Time	1309
D4	08 Aug 2018	Comments	Kelp; Seagrass; Water clear
D4	15 Aug 2018	Arrive Time	848
D4	15 Aug 2018	Weather	Overcast
D4	15 Aug 2018	Wind Speed (kts)	1.7
D4	15 Aug 2018	Wind Dir	N
D4	15 Aug 2018	Animal Life	None
D4	15 Aug 2018	Floatables	None
D4	15 Aug 2018	Water Color	Green
D4	15 Aug 2018	Current Direction	N
D4	15 Aug 2018	Water Temp (C)	21
D4	15 Aug 2018	Wave Height Low (ft)	3
D4	15 Aug 2018	High Tide (ft)	5.2
D4	15 Aug 2018	High Tide Time	1211
D4	15 Aug 2018	Low Tide (ft)	0.3
D4	15 Aug 2018	Low Tide Time	644
D4	15 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D4	22 Aug 2018	Arrive Time	828
D4	22 Aug 2018	Weather	Sunny
D4	22 Aug 2018	Wind Speed (kts)	2

Station	Date	Parameter	Value
D4	22 Aug 2018	Wind Dir	W
D4	22 Aug 2018	Animal Life	None
D4	22 Aug 2018	Floatables	None
D4	22 Aug 2018	Water Color	Green
D4	22 Aug 2018	Current Direction	N
D4	22 Aug 2018	Water Temp (C)	23
D4	22 Aug 2018	Wave Height Low (ft)	3
D4	22 Aug 2018	High Tide (ft)	3.9
D4	22 Aug 2018	High Tide Time	834
D4	22 Aug 2018	Low Tide (ft)	2.2
D4	22 Aug 2018	Low Tide Time	1334
D4	22 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D4	29 Aug 2018	Arrive Time	1104
D4	29 Aug 2018	Weather	Sunny
D4	29 Aug 2018	Wind Speed (kts)	3.4
D4	29 Aug 2018	Wind Dir	N
D4	29 Aug 2018	Animal Life	None
D4	29 Aug 2018	Floatables	None
D4	29 Aug 2018	Water Color	Green
D4	29 Aug 2018	Current Direction	N
D4	29 Aug 2018	Water Temp (C)	23
D4	29 Aug 2018	Wave Height Low (ft)	1
D4	29 Aug 2018	High Tide (ft)	4.7
D4	29 Aug 2018	High Tide Time	1132
D4	29 Aug 2018	Low Tide (ft)	0.5
D4	29 Aug 2018	Low Tide Time	523
D4	29 Aug 2018	Comments	Algae; Water clear
D5	01 Aug 2018	Arrive Time	955
D5	01 Aug 2018	Weather	Sunny
D5	01 Aug 2018	Wind Speed (kts)	4
D5	01 Aug 2018	Wind Dir	S
D5	01 Aug 2018	Animal Life	1 Shorebird; 3 Birds
D5	01 Aug 2018	Floatables	Foam
D5	01 Aug 2018	Water Color	Green
D5	01 Aug 2018	Current Direction	S
D5	01 Aug 2018	Water Temp (C)	25
D5	01 Aug 2018	Wave Height Low (ft)	1
D5	01 Aug 2018	High Tide (ft)	4.2
D5	01 Aug 2018	High Tide Time	1302
D5	01 Aug 2018	Low Tide (ft)	0.5
D5	01 Aug 2018	Low Tide Time	637
D5	01 Aug 2018	Comments	Kelp; Seagrass; 8 Boats; Water clear
D5	08 Aug 2018	Arrive Time	742
D5	08 Aug 2018	Weather	Sunny
D5	08 Aug 2018	Wind Speed (kts)	0
D5	08 Aug 2018	Wind Dir	
D5	08 Aug 2018	Animal Life	None
D5	08 Aug 2018	Floatables	None
D5	08 Aug 2018	Water Color	Green
D5	08 Aug 2018	Current Direction	N
D5	08 Aug 2018	Water Temp (C)	23
D5	08 Aug 2018	Wave Height Low (ft)	1

Station	Date	Parameter	Value
D5	08 Aug 2018	High Tide (ft)	3.9
D5	08 Aug 2018	High Tide Time	808
D5	08 Aug 2018	Low Tide (ft)	1.9
D5	08 Aug 2018	Low Tide Time	1309
D5	08 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D5	15 Aug 2018	Arrive Time	821
D5	15 Aug 2018	Weather	Overcast
D5	15 Aug 2018	Wind Speed (kts)	0.2
D5	15 Aug 2018	Wind Dir	W
D5	15 Aug 2018	Animal Life	None
D5	15 Aug 2018	Floatables	None
D5	15 Aug 2018	Water Color	Green
D5	15 Aug 2018	Current Direction	N
D5	15 Aug 2018	Water Temp (C)	23
D5	15 Aug 2018	Wave Height Low (ft)	2
D5	15 Aug 2018	High Tide (ft)	5.2
D5	15 Aug 2018	High Tide Time	1211
D5	15 Aug 2018	Low Tide (ft)	0.3
D5	15 Aug 2018	Low Tide Time	644
D5	15 Aug 2018	Comments	Water clear
D5	22 Aug 2018	Arrive Time	814
D5	22 Aug 2018	Weather	Sunny
D5	22 Aug 2018	Wind Speed (kts)	2.5
D5	22 Aug 2018	Wind Dir	W
D5	22 Aug 2018	Animal Life	None
D5	22 Aug 2018	Floatables	None
D5	22 Aug 2018	Water Color	Green
D5	22 Aug 2018	Current Direction	N
D5	22 Aug 2018	Water Temp (C)	21
D5	22 Aug 2018	Wave Height Low (ft)	2
D5	22 Aug 2018	High Tide (ft)	3.9
D5	22 Aug 2018	High Tide Time	834
D5	22 Aug 2018	Low Tide (ft)	2.2
D5	22 Aug 2018	Low Tide Time	1334
D5	22 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D5	29 Aug 2018	Arrive Time	1047
D5	29 Aug 2018	Weather	Sunny
D5	29 Aug 2018	Wind Speed (kts)	5.8
D5	29 Aug 2018	Wind Dir	N
D5	29 Aug 2018	Animal Life	None
D5	29 Aug 2018	Floatables	None
D5	29 Aug 2018	Water Color	Green
D5	29 Aug 2018	Current Direction	N
D5	29 Aug 2018	Water Temp (C)	23
D5	29 Aug 2018	Wave Height Low (ft)	1
D5	29 Aug 2018	High Tide (ft)	4.7
D5	29 Aug 2018	High Tide Time	1132
D5	29 Aug 2018	Low Tide (ft)	0.5
D5	29 Aug 2018	Low Tide Time	523
D5	29 Aug 2018	Comments	Seagrass; Algae; Water clear
D7	01 Aug 2018	Arrive Time	926

Station	Date	Parameter	Value
D7	01 Aug 2018	Weather	Sunny
D7	01 Aug 2018	Wind Speed (kts)	5.2
D7	01 Aug 2018	Wind Dir	E
D7	01 Aug 2018	Animal Life	1 Pelican
D7	01 Aug 2018	Floatables	None
D7	01 Aug 2018	Water Color	Green
D7	01 Aug 2018	Current Direction	E
D7	01 Aug 2018	Water Temp (C)	0
D7	01 Aug 2018	Wave Height Low (ft)	1
D7	01 Aug 2018	High Tide (ft)	4.2
D7	01 Aug 2018	High Tide Time	1302
D7	01 Aug 2018	Low Tide (ft)	0.5
D7	01 Aug 2018	Low Tide Time	637
D7	01 Aug 2018	Comments	Kelp; Seagrass; Water clear; Site inaccessible due to unsafe conditions
D7	08 Aug 2018	Arrive Time	823
D7	08 Aug 2018	Weather	Sunny
D7	08 Aug 2018	Wind Speed (kts)	1.2
D7	08 Aug 2018	Wind Dir	W
D7	08 Aug 2018	Animal Life	None
D7	08 Aug 2018	Floatables	None
D7	08 Aug 2018	Water Color	Green
D7	08 Aug 2018	Current Direction	N
D7	08 Aug 2018	Water Temp (C)	0
D7	08 Aug 2018	Wave Height Low (ft)	3
D7	08 Aug 2018	High Tide (ft)	3.9
D7	08 Aug 2018	High Tide Time	808
D7	08 Aug 2018	Low Tide (ft)	1.9
D7	08 Aug 2018	Low Tide Time	1309
D7	08 Aug 2018	Comments	Kelp; Seagrass; Water clear; Site inaccessible due to unsafe conditions
D7	15 Aug 2018	Arrive Time	910
D7	15 Aug 2018	Weather	Overcast
D7	15 Aug 2018	Wind Speed (kts)	0
D7	15 Aug 2018	Wind Dir	
D7	15 Aug 2018	Animal Life	None
D7	15 Aug 2018	Floatables	None
D7	15 Aug 2018	Water Color	Green
D7	15 Aug 2018	Current Direction	N
D7	15 Aug 2018	Water Temp (C)	22
D7	15 Aug 2018	Wave Height Low (ft)	2
D7	15 Aug 2018	High Tide (ft)	5.2
D7	15 Aug 2018	High Tide Time	1211
D7	15 Aug 2018	Low Tide (ft)	0.3
D7	15 Aug 2018	Low Tide Time	644
D7	15 Aug 2018	Comments	Water clear; Site inaccessible due to unsafe conditions
D7	22 Aug 2018	Arrive Time	848
D7	22 Aug 2018	Weather	Sunny
D7	22 Aug 2018	Wind Speed (kts)	2
D7	22 Aug 2018	Wind Dir	W
D7	22 Aug 2018	Animal Life	None
D7	22 Aug 2018	Floatables	None

Station	Date	Parameter	Value
D7	22 Aug 2018	Water Color	Green
D7	22 Aug 2018	Current Direction	N
D7	22 Aug 2018	Water Temp (C)	0
D7	22 Aug 2018	Wave Height Low (ft)	2
D7	22 Aug 2018	High Tide (ft)	3.9
D7	22 Aug 2018	High Tide Time	834
D7	22 Aug 2018	Low Tide (ft)	2.2
D7	22 Aug 2018	Low Tide Time	1334
D7	22 Aug 2018	Comments	Kelp; Seagrass; Water clear; Site inaccessible due to unsafe conditions
D7	29 Aug 2018	Arrive Time	1015
D7	29 Aug 2018	Weather	Sunny
D7	29 Aug 2018	Wind Speed (kts)	1.2
D7	29 Aug 2018	Wind Dir	N
D7	29 Aug 2018	Animal Life	None
D7	29 Aug 2018	Floatables	None
D7	29 Aug 2018	Water Color	Green
D7	29 Aug 2018	Current Direction	N
D7	29 Aug 2018	Water Temp (C)	0
D7	29 Aug 2018	Wave Height Low (ft)	2
D7	29 Aug 2018	High Tide (ft)	4.7
D7	29 Aug 2018	High Tide Time	1132
D7	29 Aug 2018	Low Tide (ft)	0.5
D7	29 Aug 2018	Low Tide Time	523
D7	29 Aug 2018	Comments	Water clear; Site inaccessible due to unsafe conditions
D8-B	01 Aug 2018	Arrive Time	915
D8-B	01 Aug 2018	Weather	Sunny
D8-B	01 Aug 2018	Wind Speed (kts)	5.8
D8-B	01 Aug 2018	Wind Dir	E
D8-B	01 Aug 2018	Animal Life	2 Birds; 1 Dog; 5 Pelicans
D8-B	01 Aug 2018	Floatables	None
D8-B	01 Aug 2018	Water Color	Green
D8-B	01 Aug 2018	Current Direction	E
D8-B	01 Aug 2018	Water Temp (C)	27
D8-B	01 Aug 2018	Wave Height Low (ft)	1
D8-B	01 Aug 2018	High Tide (ft)	4.2
D8-B	01 Aug 2018	High Tide Time	1302
D8-B	01 Aug 2018	Low Tide (ft)	0.5
D8-B	01 Aug 2018	Low Tide Time	637
D8-B	01 Aug 2018	Comments	Kelp; Seagrass; Debris; 1 Person; Water clear
D8-B	08 Aug 2018	Arrive Time	845
D8-B	08 Aug 2018	Weather	Sunny
D8-B	08 Aug 2018	Wind Speed (kts)	3.3
D8-B	08 Aug 2018	Wind Dir	W
D8-B	08 Aug 2018	Animal Life	None
D8-B	08 Aug 2018	Floatables	None
D8-B	08 Aug 2018	Water Color	Green
D8-B	08 Aug 2018	Current Direction	N
D8-B	08 Aug 2018	Water Temp (C)	24
D8-B	08 Aug 2018	Wave Height Low (ft)	3
D8-B	08 Aug 2018	High Tide (ft)	3.9
D8-B	08 Aug 2018	High Tide Time	808

Station	Date	Parameter	Value
D8-B	08 Aug 2018	Low Tide (ft)	1.9
D8-B	08 Aug 2018	Low Tide Time	1309
D8-B	08 Aug 2018	Comments	Kelp; Seagrass; Algae; 1 Person; Water clear
D8-B	15 Aug 2018	Arrive Time	936
D8-B	15 Aug 2018	Weather	Overcast
D8-B	15 Aug 2018	Wind Speed (kts)	3.1
D8-B	15 Aug 2018	Wind Dir	N
D8-B	15 Aug 2018	Animal Life	None
D8-B	15 Aug 2018	Floatables	None
D8-B	15 Aug 2018	Water Color	Green
D8-B	15 Aug 2018	Current Direction	N
D8-B	15 Aug 2018	Water Temp (C)	22
D8-B	15 Aug 2018	Wave Height Low (ft)	3
D8-B	15 Aug 2018	High Tide (ft)	5.2
D8-B	15 Aug 2018	High Tide Time	1211
D8-B	15 Aug 2018	Low Tide (ft)	0.3
D8-B	15 Aug 2018	Low Tide Time	644
D8-B	15 Aug 2018	Comments	Seagrass; Algae; 4 Persons; Water clear
D8-B	22 Aug 2018	Arrive Time	919
D8-B	22 Aug 2018	Weather	Sunny
D8-B	22 Aug 2018	Wind Speed (kts)	2.9
D8-B	22 Aug 2018	Wind Dir	W
D8-B	22 Aug 2018	Animal Life	None
D8-B	22 Aug 2018	Floatables	None
D8-B	22 Aug 2018	Water Color	Green
D8-B	22 Aug 2018	Current Direction	N
D8-B	22 Aug 2018	Water Temp (C)	22
D8-B	22 Aug 2018	Wave Height Low (ft)	3
D8-B	22 Aug 2018	High Tide (ft)	3.9
D8-B	22 Aug 2018	High Tide Time	834
D8-B	22 Aug 2018	Low Tide (ft)	2.2
D8-B	22 Aug 2018	Low Tide Time	1334
D8-B	22 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D8-B	29 Aug 2018	Arrive Time	1004
D8-B	29 Aug 2018	Weather	Sunny
D8-B	29 Aug 2018	Wind Speed (kts)	3.1
D8-B	29 Aug 2018	Wind Dir	N
D8-B	29 Aug 2018	Animal Life	None
D8-B	29 Aug 2018	Floatables	None
D8-B	29 Aug 2018	Water Color	Green
D8-B	29 Aug 2018	Current Direction	N
D8-B	29 Aug 2018	Water Temp (C)	22
D8-B	29 Aug 2018	Wave Height Low (ft)	2
D8-B	29 Aug 2018	High Tide (ft)	4.7
D8-B	29 Aug 2018	High Tide Time	1132
D8-B	29 Aug 2018	Low Tide (ft)	0.5
D8-B	29 Aug 2018	Low Tide Time	523
D8-B	29 Aug 2018	Comments	Kelp; Algae; Water clear
D9	01 Aug 2018	Arrive Time	851
D9	01 Aug 2018	Weather	Sunny
D9	01 Aug 2018	Wind Speed (kts)	2.7

Station	Date	Parameter	Value
D9	01 Aug 2018	Wind Dir	E
D9	01 Aug 2018	Animal Life	2 Shorebirds
D9	01 Aug 2018	Floatables	None
D9	01 Aug 2018	Water Color	Green
D9	01 Aug 2018	Current Direction	E
D9	01 Aug 2018	Water Temp (C)	26
D9	01 Aug 2018	Wave Height Low (ft)	1
D9	01 Aug 2018	High Tide (ft)	4.2
D9	01 Aug 2018	High Tide Time	1302
D9	01 Aug 2018	Low Tide (ft)	0.5
D9	01 Aug 2018	Low Tide Time	637
D9	01 Aug 2018	Comments	Kelp; Seagrass; 4 Persons; Water clear
D9	08 Aug 2018	Arrive Time	907
D9	08 Aug 2018	Weather	Sunny
D9	08 Aug 2018	Wind Speed (kts)	2.2
D9	08 Aug 2018	Wind Dir	W
D9	08 Aug 2018	Animal Life	None
D9	08 Aug 2018	Floatables	None
D9	08 Aug 2018	Water Color	Green
D9	08 Aug 2018	Current Direction	N
D9	08 Aug 2018	Water Temp (C)	25
D9	08 Aug 2018	Wave Height Low (ft)	3
D9	08 Aug 2018	High Tide (ft)	3.9
D9	08 Aug 2018	High Tide Time	808
D9	08 Aug 2018	Low Tide (ft)	1.9
D9	08 Aug 2018	Low Tide Time	1309
D9	08 Aug 2018	Comments	Kelp; Seagrass; Algae; Water clear
D9	15 Aug 2018	Arrive Time	959
D9	15 Aug 2018	Weather	Overcast
D9	15 Aug 2018	Wind Speed (kts)	5.2
D9	15 Aug 2018	Wind Dir	S
D9	15 Aug 2018	Animal Life	None
D9	15 Aug 2018	Floatables	None
D9	15 Aug 2018	Water Color	Green
D9	15 Aug 2018	Current Direction	N
D9	15 Aug 2018	Water Temp (C)	22
D9	15 Aug 2018	Wave Height Low (ft)	2
D9	15 Aug 2018	High Tide (ft)	5.2
D9	15 Aug 2018	High Tide Time	1211
D9	15 Aug 2018	Low Tide (ft)	0.3
D9	15 Aug 2018	Low Tide Time	644
D9	15 Aug 2018	Comments	Kelp; Seagrass; Water clear
D9	22 Aug 2018	Arrive Time	937
D9	22 Aug 2018	Weather	Sunny
D9	22 Aug 2018	Wind Speed (kts)	4.6
D9	22 Aug 2018	Wind Dir	W
D9	22 Aug 2018	Animal Life	None
D9	22 Aug 2018	Floatables	None
D9	22 Aug 2018	Water Color	Green
D9	22 Aug 2018	Current Direction	N
D9	22 Aug 2018	Water Temp (C)	23
D9	22 Aug 2018	Wave Height Low (ft)	3

Station	Date	Parameter	Value
D9	22 Aug 2018	High Tide (ft)	3.9
D9	22 Aug 2018	High Tide Time	834
D9	22 Aug 2018	Low Tide (ft)	2.2
D9	22 Aug 2018	Low Tide Time	1334
D9	22 Aug 2018	Comments	Kelp; Seagrass; Algae; 2 Persons; Water clear
D9	29 Aug 2018	Arrive Time	946
D9	29 Aug 2018	Weather	Sunny
D9	29 Aug 2018	Wind Speed (kts)	1.1
D9	29 Aug 2018	Wind Dir	N
D9	29 Aug 2018	Animal Life	None
D9	29 Aug 2018	Floatables	None
D9	29 Aug 2018	Water Color	Green
D9	29 Aug 2018	Current Direction	N
D9	29 Aug 2018	Water Temp (C)	23
D9	29 Aug 2018	Wave Height Low (ft)	2
D9	29 Aug 2018	High Tide (ft)	4.7
D9	29 Aug 2018	High Tide Time	1132
D9	29 Aug 2018	Low Tide (ft)	0.5
D9	29 Aug 2018	Low Tide Time	523
D9	29 Aug 2018	Comments	Kelp; Seagrass; 2 Persons; Water clear
D10	01 Aug 2018	Arrive Time	835
D10	01 Aug 2018	Weather	Sunny
D10	01 Aug 2018	Wind Speed (kts)	3.3
D10	01 Aug 2018	Wind Dir	E
D10	01 Aug 2018	Animal Life	5 Shorebirds; 1 Bird
D10	01 Aug 2018	Floatables	None
D10	01 Aug 2018	Water Color	Green
D10	01 Aug 2018	Current Direction	E
D10	01 Aug 2018	Water Temp (C)	26
D10	01 Aug 2018	Wave Height Low (ft)	1
D10	01 Aug 2018	High Tide (ft)	4.2
D10	01 Aug 2018	High Tide Time	1302
D10	01 Aug 2018	Low Tide (ft)	0.5
D10	01 Aug 2018	Low Tide Time	637
D10	01 Aug 2018	Comments	Kelp; Seagrass; 19 Persons; 16 Surfers; 1 Boat; 1 Swimmer; Water clear
D10	08 Aug 2018	Arrive Time	920
D10	08 Aug 2018	Weather	Sunny
D10	08 Aug 2018	Wind Speed (kts)	3.6
D10	08 Aug 2018	Wind Dir	W
D10	08 Aug 2018	Animal Life	None
D10	08 Aug 2018	Floatables	None
D10	08 Aug 2018	Water Color	Green
D10	08 Aug 2018	Current Direction	N
D10	08 Aug 2018	Water Temp (C)	25
D10	08 Aug 2018	Wave Height Low (ft)	4
D10	08 Aug 2018	High Tide (ft)	3.9
D10	08 Aug 2018	High Tide Time	808
D10	08 Aug 2018	Low Tide (ft)	1.9
D10	08 Aug 2018	Low Tide Time	1309
D10	08 Aug 2018	Comments	Kelp; Seagrass; 35 Persons; 42 Surfers; 18 Swimmers; Water clear

Station	Date	Parameter	Value
D10	15 Aug 2018	Arrive Time	1021
D10	15 Aug 2018	Weather	Overcast
D10	15 Aug 2018	Wind Speed (kts)	3.3
D10	15 Aug 2018	Wind Dir	S
D10	15 Aug 2018	Animal Life	None
D10	15 Aug 2018	Floatables	None
D10	15 Aug 2018	Water Color	Green
D10	15 Aug 2018	Current Direction	N
D10	15 Aug 2018	Water Temp (C)	23
D10	15 Aug 2018	Wave Height Low (ft)	2
D10	15 Aug 2018	High Tide (ft)	5.2
D10	15 Aug 2018	High Tide Time	1211
D10	15 Aug 2018	Low Tide (ft)	0.3
D10	15 Aug 2018	Low Tide Time	644
D10	15 Aug 2018	Comments	Kelp; Seagrass; 44 Persons; 28 Surfers; 6 Swimmers; Water clear
D10	22 Aug 2018	Arrive Time	946
D10	22 Aug 2018	Weather	Sunny
D10	22 Aug 2018	Wind Speed (kts)	4.8
D10	22 Aug 2018	Wind Dir	W
D10	22 Aug 2018	Animal Life	None
D10	22 Aug 2018	Floatables	None
D10	22 Aug 2018	Water Color	Green
D10	22 Aug 2018	Current Direction	N
D10	22 Aug 2018	Water Temp (C)	23
D10	22 Aug 2018	Wave Height Low (ft)	4
D10	22 Aug 2018	High Tide (ft)	3.9
D10	22 Aug 2018	High Tide Time	834
D10	22 Aug 2018	Low Tide (ft)	2.2
D10	22 Aug 2018	Low Tide Time	1334
D10	22 Aug 2018	Comments	Kelp; Seagrass; 18 Persons; 36 Surfers; 3 Swimmers; Water clear
D10	29 Aug 2018	Arrive Time	921
D10	29 Aug 2018	Weather	Sunny
D10	29 Aug 2018	Wind Speed (kts)	3.6
D10	29 Aug 2018	Wind Dir	N
D10	29 Aug 2018	Animal Life	None
D10	29 Aug 2018	Floatables	None
D10	29 Aug 2018	Water Color	Green
D10	29 Aug 2018	Current Direction	N
D10	29 Aug 2018	Water Temp (C)	23
D10	29 Aug 2018	Wave Height Low (ft)	3
D10	29 Aug 2018	High Tide (ft)	4.7
D10	29 Aug 2018	High Tide Time	1132
D10	29 Aug 2018	Low Tide (ft)	0.5
D10	29 Aug 2018	Low Tide Time	523
D10	29 Aug 2018	Comments	Seagrass; 9 Persons; 13 Surfers; 2 Swimmers; Water clear
D11	01 Aug 2018	Arrive Time	820
D11	01 Aug 2018	Weather	Sunny
D11	01 Aug 2018	Wind Speed (kts)	5
D11	01 Aug 2018	Wind Dir	E
D11	01 Aug 2018	Animal Life	4 Dogs
D11	01 Aug 2018	Floatables	None

Station	Date	Parameter	Value
D11	01 Aug 2018	Water Color	Green
D11	01 Aug 2018	Current Direction	E
D11	01 Aug 2018	Water Temp (C)	26
D11	01 Aug 2018	Wave Height Low (ft)	1
D11	01 Aug 2018	High Tide (ft)	4.2
D11	01 Aug 2018	High Tide Time	1302
D11	01 Aug 2018	Low Tide (ft)	0.5
D11	01 Aug 2018	Low Tide Time	637
D11	01 Aug 2018	Comments	Kelp; Seagrass; 26 Persons; 11 Surfers; Water clear
D11	08 Aug 2018	Arrive Time	935
D11	08 Aug 2018	Weather	Sunny
D11	08 Aug 2018	Wind Speed (kts)	3.4
D11	08 Aug 2018	Wind Dir	W
D11	08 Aug 2018	Animal Life	None
D11	08 Aug 2018	Floatables	None
D11	08 Aug 2018	Water Color	Green
D11	08 Aug 2018	Current Direction	N
D11	08 Aug 2018	Water Temp (C)	26
D11	08 Aug 2018	Wave Height Low (ft)	4
D11	08 Aug 2018	High Tide (ft)	3.9
D11	08 Aug 2018	High Tide Time	808
D11	08 Aug 2018	Low Tide (ft)	1.9
D11	08 Aug 2018	Low Tide Time	1309
D11	08 Aug 2018	Comments	Kelp; Seagrass; 45 Persons; 38 Surfers; 25 Swimmers; Water clear
D11	15 Aug 2018	Arrive Time	1044
D11	15 Aug 2018	Weather	Overcast
D11	15 Aug 2018	Wind Speed (kts)	5.4
D11	15 Aug 2018	Wind Dir	W
D11	15 Aug 2018	Animal Life	None
D11	15 Aug 2018	Floatables	None
D11	15 Aug 2018	Water Color	Green
D11	15 Aug 2018	Current Direction	N
D11	15 Aug 2018	Water Temp (C)	23
D11	15 Aug 2018	Wave Height Low (ft)	3
D11	15 Aug 2018	High Tide (ft)	5.2
D11	15 Aug 2018	High Tide Time	1211
D11	15 Aug 2018	Low Tide (ft)	0.3
D11	15 Aug 2018	Low Tide Time	644
D11	15 Aug 2018	Comments	Seagrass; 40 Persons; 18 Surfers; 5 Swimmers; Water clear
D11	22 Aug 2018	Arrive Time	1009
D11	22 Aug 2018	Weather	Sunny
D11	22 Aug 2018	Wind Speed (kts)	5.2
D11	22 Aug 2018	Wind Dir	W
D11	22 Aug 2018	Animal Life	None
D11	22 Aug 2018	Floatables	None
D11	22 Aug 2018	Water Color	Green
D11	22 Aug 2018	Current Direction	N
D11	22 Aug 2018	Water Temp (C)	22
D11	22 Aug 2018	Wave Height Low (ft)	4
D11	22 Aug 2018	High Tide (ft)	3.9
D11	22 Aug 2018	High Tide Time	834

Station	Date	Parameter	Value
D11	22 Aug 2018	Low Tide (ft)	2.2
D11	22 Aug 2018	Low Tide Time	1334
D11	22 Aug 2018	Comments	Kelp; Seagrass; 24 Persons; 42 Surfers; 12 Swimmers; Water clear
D11	29 Aug 2018	Arrive Time	856
D11	29 Aug 2018	Weather	Sunny
D11	29 Aug 2018	Wind Speed (kts)	1.2
D11	29 Aug 2018	Wind Dir	N
D11	29 Aug 2018	Animal Life	None
D11	29 Aug 2018	Floatables	None
D11	29 Aug 2018	Water Color	Green
D11	29 Aug 2018	Current Direction	N
D11	29 Aug 2018	Water Temp (C)	23
D11	29 Aug 2018	Wave Height Low (ft)	3
D11	29 Aug 2018	High Tide (ft)	4.7
D11	29 Aug 2018	High Tide Time	1132
D11	29 Aug 2018	Low Tide (ft)	0.5
D11	29 Aug 2018	Low Tide Time	523
D11	29 Aug 2018	Comments	Kelp; Seagrass; Algae; 4 Persons; 10 Surfers; Water clear
D12	01 Aug 2018	Arrive Time	759
D12	01 Aug 2018	Weather	Sunny
D12	01 Aug 2018	Wind Speed (kts)	5.2
D12	01 Aug 2018	Wind Dir	E
D12	01 Aug 2018	Animal Life	2 Shorebirds; 4 Birds; 11 Cormorants
D12	01 Aug 2018	Floatables	None
D12	01 Aug 2018	Water Color	Colorless
D12	01 Aug 2018	Current Direction	E
D12	01 Aug 2018	Water Temp (C)	26
D12	01 Aug 2018	Wave Height Low (ft)	1
D12	01 Aug 2018	High Tide (ft)	4.2
D12	01 Aug 2018	High Tide Time	1302
D12	01 Aug 2018	Low Tide (ft)	0.5
D12	01 Aug 2018	Low Tide Time	637
D12	01 Aug 2018	Comments	Kelp; Seagrass; 21 Persons; 1 Boat; Water clear
D12	08 Aug 2018	Arrive Time	1030
D12	08 Aug 2018	Weather	Sunny
D12	08 Aug 2018	Wind Speed (kts)	4.8
D12	08 Aug 2018	Wind Dir	W
D12	08 Aug 2018	Animal Life	None
D12	08 Aug 2018	Floatables	None
D12	08 Aug 2018	Water Color	Green
D12	08 Aug 2018	Current Direction	N
D12	08 Aug 2018	Water Temp (C)	26
D12	08 Aug 2018	Wave Height Low (ft)	3
D12	08 Aug 2018	High Tide (ft)	3.9
D12	08 Aug 2018	High Tide Time	808
D12	08 Aug 2018	Low Tide (ft)	1.9
D12	08 Aug 2018	Low Tide Time	1309
D12	08 Aug 2018	Comments	Kelp; Seagrass; 33 Persons; 2 Surfers; 1 Boat; 36 Swimmers; Water clear
D12	15 Aug 2018	Arrive Time	1121

Station	Date	Parameter	Value
D12	15 Aug 2018	Weather	Partly Cloudy
D12	15 Aug 2018	Wind Speed (kts)	3.3
D12	15 Aug 2018	Wind Dir	N
D12	15 Aug 2018	Animal Life	None
D12	15 Aug 2018	Floatables	None
D12	15 Aug 2018	Water Color	Green
D12	15 Aug 2018	Current Direction	N
D12	15 Aug 2018	Water Temp (C)	24
D12	15 Aug 2018	Wave Height Low (ft)	3
D12	15 Aug 2018	High Tide (ft)	5.2
D12	15 Aug 2018	High Tide Time	1211
D12	15 Aug 2018	Low Tide (ft)	0.3
D12	15 Aug 2018	Low Tide Time	644
D12	15 Aug 2018	Comments	Kelp; Seagrass; 45 Persons; 10 Surfers; 15 Swimmers; Water clear
D12	22 Aug 2018	Arrive Time	1048
D12	22 Aug 2018	Weather	Sunny
D12	22 Aug 2018	Wind Speed (kts)	5.8
D12	22 Aug 2018	Wind Dir	W
D12	22 Aug 2018	Animal Life	None
D12	22 Aug 2018	Floatables	None
D12	22 Aug 2018	Water Color	Green
D12	22 Aug 2018	Current Direction	N
D12	22 Aug 2018	Water Temp (C)	23
D12	22 Aug 2018	Wave Height Low (ft)	3
D12	22 Aug 2018	High Tide (ft)	3.9
D12	22 Aug 2018	High Tide Time	834
D12	22 Aug 2018	Low Tide (ft)	2.2
D12	22 Aug 2018	Low Tide Time	1334
D12	22 Aug 2018	Comments	Kelp; Seagrass; 26 Persons; 16 Swimmers; Water clear
D12	29 Aug 2018	Arrive Time	822
D12	29 Aug 2018	Weather	Sunny
D12	29 Aug 2018	Wind Speed (kts)	3.8
D12	29 Aug 2018	Wind Dir	N
D12	29 Aug 2018	Animal Life	None
D12	29 Aug 2018	Floatables	None
D12	29 Aug 2018	Water Color	Green
D12	29 Aug 2018	Current Direction	N
D12	29 Aug 2018	Water Temp (C)	22
D12	29 Aug 2018	Wave Height Low (ft)	2
D12	29 Aug 2018	High Tide (ft)	4.7
D12	29 Aug 2018	High Tide Time	1132
D12	29 Aug 2018	Low Tide (ft)	0.5
D12	29 Aug 2018	Low Tide Time	523
D12	29 Aug 2018	Comments	Kelp; Seagrass; 4 Persons; 3 Surfers; 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 2018	9*	4*	7*	14*	3*	2*	9*	3*
02 Aug 2018	9*	4*	7*	14*	3*	2*	9*	3*
03 Aug 2018	9*	4*	7*	14*	3*	2*	9*	3*
04 Aug 2018	9*	4*	7*	14*	3*	2*	9*	3*
05 Aug 2018	9*	4*	7*	14*	3*	2*	9*	3*
06 Aug 2018	10	5	6	14	3	2	6	3
07 Aug 2018	10	5	6	14	3	2	6	3
08 Aug 2018	15*	6*	7*	10*	3*	2*	3*	3*
09 Aug 2018	15*	6*	7*	10*	3*	2*	3*	3*
10 Aug 2018	15*	6*	7*	10*	3*	2*	3*	3*
11 Aug 2018	15*	6*	7*	10*	3*	2*	3*	3*
12 Aug 2018	15*	6*	7*	10*	3*	2*	3*	3*
13 Aug 2018	10	5	6	9	3	3	3	3
14 Aug 2018	10	5	6	9	3	3	3	3
15 Aug 2018	8*	4*	5*	8*	3*	4*	4*	3*
16 Aug 2018	8*	4*	5*	8*	3*	4*	4*	3*
17 Aug 2018	8*	4*	5*	8*	3*	4*	4*	3*
18 Aug 2018	8*	4*	5*	8*	3*	4*	4*	3*
19 Aug 2018	8*	4*	5*	8*	3*	4*	4*	3*
20 Aug 2018	6	3	4	8	4	3	4	3
21 Aug 2018	6	3	4	8	4	3	4	3
22 Aug 2018	5*	3*	2*	7*	3*	4*	3*	4*
23 Aug 2018	5*	3*	2*	7*	3*	4*	3*	4*
24 Aug 2018	5*	3*	2*	7*	3*	4*	3*	4*
25 Aug 2018	5*	3*	2*	7*	3*	4*	3*	4*
26 Aug 2018	5*	3*	2*	7*	3*	4*	3*	4*
27 Aug 2018	4	3	2	8	4	5	3	4
28 Aug 2018	4	3	2	8	4	5	3	4
29 Aug 2018	4*	3*	2*	12*	5*	6*	3*	5*
30 Aug 2018	4*	3*	2*	12*	5*	6*	3*	5*
31 Aug 2018	4*	3*	2*	12*	5*	6*	3*	5*

* 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 2018	2*	2*	2*	2*	2*	2*	2*	2*
02 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
03 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
04 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
05 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
06 Aug 2018	2	2	2	2	2	2	2	2
07 Aug 2018	2	2	2	2	2	2	2	2
08 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
09 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
10 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
11 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
12 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
13 Aug 2018	2	2	2	2	2	2	2	2
14 Aug 2018	2	2	2	2	2	2	2	2
15 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
16 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
17 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
18 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
19 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
20 Aug 2018	2	2	2	2	2	2	2	2
21 Aug 2018	2	2	2	2	2	2	2	2
22 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
23 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
24 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
25 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
26 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
27 Aug 2018	2	2	2	2	2	2	2	2
28 Aug 2018	2	2	2	2	2	2	2	2
29 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
30 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
31 Aug 2018	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 2018	3*	2*	2*	2*	2*	2*	2*	2*
02 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
03 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
04 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
05 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
06 Aug 2018	3	2	2	2	2	2	2	2
07 Aug 2018	3	2	2	2	2	2	2	2
08 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
09 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
10 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
11 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
12 Aug 2018	3*	2*	2*	2*	2*	2*	2*	2*
13 Aug 2018	3	2	2	2	2	2	2	2
14 Aug 2018	3	2	2	2	2	2	2	2
15 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
16 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
17 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
18 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
19 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
20 Aug 2018	2	2	2	2	2	2	2	2
21 Aug 2018	2	2	2	2	2	2	2	2
22 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
23 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
24 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
25 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
26 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
27 Aug 2018	2	2	2	2	2	2	2	2
28 Aug 2018	2	2	2	2	2	2	2	2
29 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
30 Aug 2018	2*	2*	2*	2*	2*	2*	2*	2*
31 Aug 2018	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
06 Aug 2018	IC							
13 Aug 2018	IC							
20 Aug 2018	IC							
27 Aug 2018	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
06 Aug 2018	IC							
13 Aug 2018	IC							
20 Aug 2018	IC							
27 Aug 2018	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
06 Aug 2018	IC							
13 Aug 2018	IC							
20 Aug 2018	IC							
27 Aug 2018	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
06 Aug 2018	IC							
13 Aug 2018	IC							
20 Aug 2018	IC							
27 Aug 2018	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	06 Aug 2018	742	1	<20	<2	<2	0.1	25.2	83.60	8.5	33.82	8.3
A1	06 Aug 2018	742	12	<20	<2	2e	0.1	15.9	81.86	9.0	33.55	8.1
A1	06 Aug 2018	742	18	<20	<2	<2	0.1	15.4	84.96	8.6	33.57	8.1
A1	13 Aug 2018	758	1	2e	2e	<2	1.0	23.1	80.15	7.8	33.76	8.0
A1	13 Aug 2018	758	12	<2	<2	<2	1.0	17.3	81.41	8.0	33.59	8.1
A1	13 Aug 2018	758	18	2e	2e	<2	1.0	14.2	84.90	7.8	33.52	8.1
A1	20 Aug 2018	752	1	2e	<2	<2	1.0	24.0	87.30	7.6	33.79	8.2
A1	20 Aug 2018	752	12	<2	<2	<2	1.0	18.8	85.62	8.9	33.64	8.2
A1	20 Aug 2018	752	18	<2	<2	<2	1.0	17.2	79.27	8.5	33.58	8.2
A1	27 Aug 2018	758	1	<2	<2	<2	1.0	21.9	81.82	7.9	33.77	8.2
A1	27 Aug 2018	758	12	4e	<2	<2	0.5	14.4	86.74	7.6	33.50	8.1
A1	27 Aug 2018	758	18	2e	<2	<2	1.0	14.2	86.80	7.3	33.53	8.0
A6	06 Aug 2018	809	1	<2	<2	<2	1.0	25.5	80.28	8.2	33.88	8.3
A6	06 Aug 2018	809	12	<20	<2	<2	0.1	16.6	82.66	9.0	33.63	8.2
A6	06 Aug 2018	809	18	<2	<2	<2	1.0	15.2	85.42	8.2	33.58	8.1
A6	13 Aug 2018	823	1	<2	<2	<2	1.0	24.0	75.89	7.2	33.79	8.1
A6	13 Aug 2018	823	12	<2	<2	<2	1.0	15.9	83.49	8.4	33.54	8.2
A6	13 Aug 2018	823	18	2e	<2	<2	1.0	14.3	87.43	8.0	33.52	8.2
A6	20 Aug 2018	831	1	<2	<2	<2	1.0	23.9	86.88	7.7	33.80	8.2
A6	20 Aug 2018	831	12	<2	<2	<2	1.0	18.6	83.36	8.3	33.60	8.2
A6	20 Aug 2018	831	18	<2	<2	<2	1.0	16.9	85.57	8.4	33.56	8.2
A6	27 Aug 2018	832	1	<2	<2	<2	1.0	23.0	82.14	8.2	33.82	8.2
A6	27 Aug 2018	832	12	<2	<2	<2	1.0	15.4	85.83	8.2	33.51	8.1
A6	27 Aug 2018	832	18	4e	<2	<2	0.5	14.7	86.76	7.8	33.52	8.1
A7	06 Aug 2018	757	1	<2	<2	<2	1.0	25.4	82.67	8.4	33.88	8.3
A7	06 Aug 2018	757	12	<2	<2	<2	1.0	18.3	80.93	9.9	33.62	8.3
A7	06 Aug 2018	757	18	<2	<2	<2	1.0	15.5	85.07	8.4	33.57	8.1
A7	13 Aug 2018	807	1	<2	<2	<2	1.0	23.0	77.84	7.5	33.75	8.1
A7	13 Aug 2018	807	12	<2	<2	<2	1.0	15.6	85.08	8.1	33.54	8.2
A7	13 Aug 2018	807	18	<2	2e	<2	1.0	14.3	87.22	7.8	33.52	8.2
A7	20 Aug 2018	816	1	<2	<2	<2	1.0	23.9	81.69	7.7	33.80	8.2
A7	20 Aug 2018	816	12	2e	<2	<2	1.0	18.7	81.21	8.3	33.63	8.2
A7	20 Aug 2018	816	18	<2	<2	<2	1.0	17.2	82.28	8.6	33.58	8.2
A7	27 Aug 2018	818	1	<2	<2	<2	1.0	22.7	81.81	8.1	33.80	8.2
A7	27 Aug 2018	818	12	2e	<2	<2	1.0	15.0	86.33	8.0	33.52	8.1
A7	27 Aug 2018	818	18	10e	<2	<2	0.2	14.7	87.05	7.5	33.53	8.1

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C4	06 Aug 2018	921	1	<20	<2	<2	0.1	25.4	77.51	7.2	33.87	8.3
C4	06 Aug 2018	921	3	<2	<2	<2	1.0	25.3	78.22	7.3	33.87	8.3
C4	06 Aug 2018	921	9	<20	<2	<2	0.1	18.7	74.72	6.6	33.80	8.1
C4	13 Aug 2018	944	1	<2	<2	<2	1.0	23.0	75.29	7.7	33.74	8.2
C4	13 Aug 2018	944	3	<2	<2	<2	1.0	21.9	74.99	8.1	33.71	8.2
C4	13 Aug 2018	944	9	<20	<2	<2	0.1	19.0	73.90	6.9	33.63	8.2
C4	20 Aug 2018	948	1	<2	<2	<2	1.0	23.4	81.36	7.6	33.79	8.2
C4	20 Aug 2018	948	3	20e	<2	<2	0.1	23.3	83.87	7.5	33.79	8.2
C4	20 Aug 2018	948	9	<2	<2	<2	1.0	20.4	73.49	6.2	33.68	8.1
C4	27 Aug 2018	1001	1	<20	<2	<2	0.1	22.7	78.63	7.8	33.80	8.2
C4	27 Aug 2018	1001	3	<20	<2	<2	0.1	21.4	75.46	7.2	33.75	8.2
C4	27 Aug 2018	1001	9	<20	<2	<2	0.1	15.7	71.45	7.6	33.52	8.1
C5	06 Aug 2018	904	1	<2	<2	<2	1.0	25.3	80.74	7.9	33.87	8.3
C5	06 Aug 2018	904	3	<2	<2	<2	1.0	25.0	80.67	7.9	33.88	8.3
C5	06 Aug 2018	904	9	<2	<2	<2	1.0	18.5	77.48	7.5	33.70	8.2
C5	13 Aug 2018	930	1	<2	<2	<2	1.0	23.3	71.49	6.1	33.76	8.1
C5	13 Aug 2018	930	3	<2	<2	<2	1.0	22.2	72.02	6.9	33.73	8.1
C5	13 Aug 2018	930	9	<2	<2	<2	1.0	18.9	81.16	6.9	33.63	8.2
C5	20 Aug 2018	933	1	<2	<2	<2	1.0	23.9	83.55	7.4	33.81	8.2
C5	20 Aug 2018	933	3	<20	<2	<2	0.1	23.7	84.82	7.4	33.81	8.2
C5	20 Aug 2018	933	9	<20	<2	<2	0.1	19.6	78.55	7.1	33.67	8.2
C5	27 Aug 2018	949	1	<2	<2	<2	1.0	22.6	79.90	7.8	33.78	8.2
C5	27 Aug 2018	949	3	<20	<2	<2	0.1	21.7	80.20	7.7	33.74	8.2
C5	27 Aug 2018	949	9	8e	2e	<2	0.2	15.9	85.58	7.7	33.51	8.1
C6	06 Aug 2018	854	1	<2	<2	<2	1.0	25.4	81.76	8.1	33.88	8.3
C6	06 Aug 2018	854	3	<2	<2	<2	1.0	25.2	81.71	8.1	33.88	8.3
C6	06 Aug 2018	854	9	<2	<2	<2	1.0	20.0	78.89	8.7	33.73	8.3
C6	13 Aug 2018	918	1	<20	<2	<2	0.1	23.8	63.46	5.9	33.77	8.1
C6	13 Aug 2018	918	3	<20	<2	<2	0.1	21.5	64.55	6.5	33.72	8.1
C6	13 Aug 2018	918	9	<20	<2	<2	0.1	18.3	62.75	5.7	33.61	8.1
C6	20 Aug 2018	920	1	<2	<2	<2	1.0	23.7	86.51	7.6	33.80	8.2
C6	20 Aug 2018	920	3	<2	<2	<2	1.0	23.6	86.68	7.6	33.80	8.2
C6	20 Aug 2018	920	9	<2	<2	<2	1.0	19.6	81.12	6.7	33.65	8.1
C6	27 Aug 2018	930	1	<20	<2	<2	0.1	22.8	80.72	8.0	33.80	8.2
C6	27 Aug 2018	930	3	<20	<2	<2	0.1	21.4	80.73	7.9	33.74	8.2
C6	27 Aug 2018	930	9	4e	<2	<2	0.5	16.7	82.98	8.0	33.55	8.1
C7	06 Aug 2018	825	1	<2	<2	<2	1.0	25.5	79.19	7.9	33.88	8.3
C7	06 Aug 2018	825	12	<2	<2	<2	1.0	17.9	79.80	10.0	33.64	8.3
C7	06 Aug 2018	825	18	<2	<2	<2	1.0	16.3	81.65	7.9	33.60	8.1
C7	13 Aug 2018	840	1	<2	<2	<2	1.0	24.1	84.15	7.5	33.79	8.2
C7	13 Aug 2018	840	12	<2	<2	<2	1.0	15.3	85.65	8.2	33.53	8.2

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	Temp	XMS	DO	Sal	pH
C7	13 Aug 2018	840	18	6e	<2	<2	0.3	15.1	85.84	8.0	33.55	8.2
C7	20 Aug 2018	846	1	<20	<2	<2	0.1	23.7	87.33	7.6	33.80	8.2
C7	20 Aug 2018	846	12	2e	<2	<2	1.0	18.2	83.25	8.8	33.62	8.2
C7	20 Aug 2018	846	18	2e	<2	<2	1.0	16.1	85.55	7.5	33.55	8.1
C7	27 Aug 2018	848	1	<2	<2	<2	1.0	23.0	81.58	8.1	33.82	8.2
C7	27 Aug 2018	848	12	<2	<2	<2	1.0	15.7	84.95	8.0	33.51	8.1
C7	27 Aug 2018	848	18	4e	<2	<2	0.5	14.9	86.57	7.8	33.52	8.1
C8	06 Aug 2018	837	1	<20	<2	<2	0.1	25.5	75.57	8.0	33.89	8.3
C8	06 Aug 2018	837	12	<2	<2	<2	1.0	18.3	79.39	10.4	33.65	8.3
C8	06 Aug 2018	837	18	<2	<2	<2	1.0	16.9	79.71	8.4	33.64	8.2
C8	13 Aug 2018	854	1	<2	<2	<2	1.0	24.2	85.18	7.5	33.79	8.2
C8	13 Aug 2018	854	12	<2	<2	<2	1.0	16.8	83.61	8.4	33.58	8.2
C8	13 Aug 2018	854	18	<2	<2	<2	1.0	15.3	83.91	7.9	33.55	8.2
C8	20 Aug 2018	857	1	<2	<2	<2	1.0	23.8	83.86	7.5	33.82	8.2
C8	20 Aug 2018	857	12	<2	<2	<2	1.0	18.5	81.67	8.3	33.60	8.2
C8	20 Aug 2018	857	18	<20	<2	<2	0.1	16.8	83.94	7.2	33.58	8.1
C8	27 Aug 2018	903	1	6e	<2	<2	0.3	23.0	81.19	8.0	33.81	8.2
C8	27 Aug 2018	903	12	<2	<2	<2	1.0	15.5	84.50	8.1	33.51	8.1
C8	27 Aug 2018	903	18	2e	<2	<2	1.0	14.9	86.20	7.8	33.52	8.1

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	06 Aug 2018	Depth (m)	18
A1	06 Aug 2018	Arrive Time	756
A1	06 Aug 2018	Depart Time	831
A1	06 Aug 2018	Air Temp (C)	22
A1	06 Aug 2018	Weather	Haze
A1	06 Aug 2018	Visibility (mi)	7
A1	06 Aug 2018	Wind Speed (kts)	0
A1	06 Aug 2018	Wind Dir	
A1	06 Aug 2018	Water Color	Green
A1	06 Aug 2018	Wave Ht Low (ft)	3
A1	06 Aug 2018	Wave Period (sec)	13
A1	06 Aug 2018	Sea State	Calm
A1	06 Aug 2018	High Tide (ft)	3.19
A1	06 Aug 2018	High Tide Time	608
A1	06 Aug 2018	Low Tide (ft)	2.15
A1	06 Aug 2018	Low Tide Time	1101
A1	06 Aug 2018	Comments	Boats
A1	13 Aug 2018	Depth (m)	20
A1	13 Aug 2018	Arrive Time	758
A1	13 Aug 2018	Depart Time	800
A1	13 Aug 2018	Air Temp (C)	23
A1	13 Aug 2018	Weather	Partly Cloudy
A1	13 Aug 2018	Visibility (mi)	15
A1	13 Aug 2018	Wind Speed (kts)	1
A1	13 Aug 2018	Wind Dir	N
A1	13 Aug 2018	Water Color	Green
A1	13 Aug 2018	Wave Ht Low (ft)	3
A1	13 Aug 2018	Wave Period (sec)	11
A1	13 Aug 2018	Sea State	Calm
A1	13 Aug 2018	High Tide (ft)	5
A1	13 Aug 2018	High Tide Time	1136
A1	13 Aug 2018	Low Tide (ft)	-0.83
A1	13 Aug 2018	Low Tide Time	522
A1	13 Aug 2018	Comments	Boats
A1	20 Aug 2018	Depth (m)	19
A1	20 Aug 2018	Arrive Time	752
A1	20 Aug 2018	Depart Time	807
A1	20 Aug 2018	Air Temp (C)	22
A1	20 Aug 2018	Weather	Overcast
A1	20 Aug 2018	Visibility (mi)	4
A1	20 Aug 2018	Wind Speed (kts)	4
A1	20 Aug 2018	Wind Dir	E
A1	20 Aug 2018	Water Color	Green
A1	20 Aug 2018	Wave Ht Low (ft)	2
A1	20 Aug 2018	Wave Period (sec)	4
A1	20 Aug 2018	Sea State	Calm
A1	20 Aug 2018	High Tide (ft)	3.47
A1	20 Aug 2018	High Tide Time	720
A1	20 Aug 2018	Low Tide (ft)	2.52

Station	Date	Parameter	Value
A1	20 Aug 2018	Low Tide Time	1155
A1	20 Aug 2018	Comments	Kelp
A1	27 Aug 2018	Depth (m)	19
A1	27 Aug 2018	Arrive Time	758
A1	27 Aug 2018	Depart Time	808
A1	27 Aug 2018	Air Temp (C)	21
A1	27 Aug 2018	Weather	Overcast
A1	27 Aug 2018	Visibility (mi)	5
A1	27 Aug 2018	Wind Speed (kts)	0
A1	27 Aug 2018	Wind Dir	
A1	27 Aug 2018	Water Color	Greenish-Brown
A1	27 Aug 2018	Wave Ht Low (ft)	2
A1	27 Aug 2018	Wave Period (sec)	9
A1	27 Aug 2018	Sea State	Calm
A1	27 Aug 2018	High Tide (ft)	4.6
A1	27 Aug 2018	High Tide Time	1036
A1	27 Aug 2018	Low Tide (ft)	-0.01
A1	27 Aug 2018	Low Tide Time	430
A1	27 Aug 2018	Comments	none
A6	06 Aug 2018	Depth (m)	20
A6	06 Aug 2018	Arrive Time	855
A6	06 Aug 2018	Depart Time	859
A6	06 Aug 2018	Air Temp (C)	23
A6	06 Aug 2018	Weather	Haze
A6	06 Aug 2018	Visibility (mi)	7
A6	06 Aug 2018	Wind Speed (kts)	0
A6	06 Aug 2018	Wind Dir	
A6	06 Aug 2018	Water Color	Green
A6	06 Aug 2018	Wave Ht Low (ft)	3
A6	06 Aug 2018	Wave Period (sec)	13
A6	06 Aug 2018	Sea State	Calm
A6	06 Aug 2018	High Tide (ft)	3.19
A6	06 Aug 2018	High Tide Time	608
A6	06 Aug 2018	Low Tide (ft)	2.15
A6	06 Aug 2018	Low Tide Time	1101
A6	06 Aug 2018	Comments	none
A6	13 Aug 2018	Depth (m)	19
A6	13 Aug 2018	Arrive Time	823
A6	13 Aug 2018	Depart Time	828
A6	13 Aug 2018	Air Temp (C)	22
A6	13 Aug 2018	Weather	Partly Cloudy
A6	13 Aug 2018	Visibility (mi)	15
A6	13 Aug 2018	Wind Speed (kts)	3
A6	13 Aug 2018	Wind Dir	SE
A6	13 Aug 2018	Water Color	Green
A6	13 Aug 2018	Wave Ht Low (ft)	3
A6	13 Aug 2018	Wave Period (sec)	11
A6	13 Aug 2018	Sea State	Calm
A6	13 Aug 2018	High Tide (ft)	5
A6	13 Aug 2018	High Tide Time	1136
A6	13 Aug 2018	Low Tide (ft)	-0.83
A6	13 Aug 2018	Low Tide Time	522

Station	Date	Parameter	Value
A6	13 Aug 2018	Comments	none
A6	20 Aug 2018	Depth (m)	19
A6	20 Aug 2018	Arrive Time	831
A6	20 Aug 2018	Depart Time	834
A6	20 Aug 2018	Air Temp (C)	22
A6	20 Aug 2018	Weather	Overcast
A6	20 Aug 2018	Visibility (mi)	4
A6	20 Aug 2018	Wind Speed (kts)	5
A6	20 Aug 2018	Wind Dir	E
A6	20 Aug 2018	Water Color	Green
A6	20 Aug 2018	Wave Ht Low (ft)	2
A6	20 Aug 2018	Wave Period (sec)	4
A6	20 Aug 2018	Sea State	Calm
A6	20 Aug 2018	High Tide (ft)	3.47
A6	20 Aug 2018	High Tide Time	720
A6	20 Aug 2018	Low Tide (ft)	2.52
A6	20 Aug 2018	Low Tide Time	1155
A6	20 Aug 2018	Comments	Kelp
A6	27 Aug 2018	Depth (m)	18
A6	27 Aug 2018	Arrive Time	832
A6	27 Aug 2018	Depart Time	836
A6	27 Aug 2018	Air Temp (C)	21
A6	27 Aug 2018	Weather	Overcast
A6	27 Aug 2018	Visibility (mi)	5
A6	27 Aug 2018	Wind Speed (kts)	3
A6	27 Aug 2018	Wind Dir	SW
A6	27 Aug 2018	Water Color	Greenish-Blue
A6	27 Aug 2018	Wave Ht Low (ft)	2
A6	27 Aug 2018	Wave Period (sec)	11
A6	27 Aug 2018	Sea State	Confused swell
A6	27 Aug 2018	High Tide (ft)	4.6
A6	27 Aug 2018	High Tide Time	1036
A6	27 Aug 2018	Low Tide (ft)	-0.01
A6	27 Aug 2018	Low Tide Time	430
A6	27 Aug 2018	Comments	Kelp debris
A7	06 Aug 2018	Depth (m)	19
A7	06 Aug 2018	Arrive Time	839
A7	06 Aug 2018	Depart Time	844
A7	06 Aug 2018	Air Temp (C)	22
A7	06 Aug 2018	Weather	Haze
A7	06 Aug 2018	Visibility (mi)	7
A7	06 Aug 2018	Wind Speed (kts)	0
A7	06 Aug 2018	Wind Dir	
A7	06 Aug 2018	Water Color	Green
A7	06 Aug 2018	Wave Ht Low (ft)	3
A7	06 Aug 2018	Wave Period (sec)	13
A7	06 Aug 2018	Sea State	Calm
A7	06 Aug 2018	High Tide (ft)	3.19
A7	06 Aug 2018	High Tide Time	608
A7	06 Aug 2018	Low Tide (ft)	2.15
A7	06 Aug 2018	Low Tide Time	1101
A7	06 Aug 2018	Comments	Boats

Station	Date	Parameter	Value
A7	13 Aug 2018	Depth (m)	20
A7	13 Aug 2018	Arrive Time	807
A7	13 Aug 2018	Depart Time	813
A7	13 Aug 2018	Air Temp (C)	22
A7	13 Aug 2018	Weather	Partly Cloudy
A7	13 Aug 2018	Visibility (mi)	15
A7	13 Aug 2018	Wind Speed (kts)	1
A7	13 Aug 2018	Wind Dir	SE
A7	13 Aug 2018	Water Color	Green
A7	13 Aug 2018	Wave Ht Low (ft)	3
A7	13 Aug 2018	Wave Period (sec)	11
A7	13 Aug 2018	Sea State	Calm
A7	13 Aug 2018	High Tide (ft)	5
A7	13 Aug 2018	High Tide Time	1136
A7	13 Aug 2018	Low Tide (ft)	-0.83
A7	13 Aug 2018	Low Tide Time	522
A7	13 Aug 2018	Comments	none
A7	20 Aug 2018	Depth (m)	21
A7	20 Aug 2018	Arrive Time	816
A7	20 Aug 2018	Depart Time	821
A7	20 Aug 2018	Air Temp (C)	22
A7	20 Aug 2018	Weather	Overcast
A7	20 Aug 2018	Visibility (mi)	4
A7	20 Aug 2018	Wind Speed (kts)	5
A7	20 Aug 2018	Wind Dir	NE
A7	20 Aug 2018	Water Color	Green
A7	20 Aug 2018	Wave Ht Low (ft)	2
A7	20 Aug 2018	Wave Period (sec)	4
A7	20 Aug 2018	Sea State	Calm
A7	20 Aug 2018	High Tide (ft)	3.47
A7	20 Aug 2018	High Tide Time	720
A7	20 Aug 2018	Low Tide (ft)	2.52
A7	20 Aug 2018	Low Tide Time	1155
A7	20 Aug 2018	Comments	Kelp
A7	27 Aug 2018	Depth (m)	20
A7	27 Aug 2018	Arrive Time	818
A7	27 Aug 2018	Depart Time	822
A7	27 Aug 2018	Air Temp (C)	21
A7	27 Aug 2018	Weather	Overcast
A7	27 Aug 2018	Visibility (mi)	5
A7	27 Aug 2018	Wind Speed (kts)	4
A7	27 Aug 2018	Wind Dir	E
A7	27 Aug 2018	Water Color	Greenish-Blue
A7	27 Aug 2018	Wave Ht Low (ft)	2
A7	27 Aug 2018	Wave Period (sec)	9
A7	27 Aug 2018	Sea State	Calm
A7	27 Aug 2018	High Tide (ft)	4.6
A7	27 Aug 2018	High Tide Time	1036
A7	27 Aug 2018	Low Tide (ft)	-0.01
A7	27 Aug 2018	Low Tide Time	430
A7	27 Aug 2018	Comments	none

Station	Date	Parameter	Value
C4	06 Aug 2018	Depth (m)	11
C4	06 Aug 2018	Arrive Time	1002
C4	06 Aug 2018	Depart Time	1007
C4	06 Aug 2018	Air Temp (C)	23
C4	06 Aug 2018	Weather	Fog
C4	06 Aug 2018	Visibility (mi)	8
C4	06 Aug 2018	Wind Speed (kts)	5
C4	06 Aug 2018	Wind Dir	SW
C4	06 Aug 2018	Water Color	Green
C4	06 Aug 2018	Wave Ht Low (ft)	3
C4	06 Aug 2018	Wave Period (sec)	13
C4	06 Aug 2018	Sea State	Calm
C4	06 Aug 2018	High Tide (ft)	3.19
C4	06 Aug 2018	High Tide Time	608
C4	06 Aug 2018	Low Tide (ft)	2.15
C4	06 Aug 2018	Low Tide Time	1101
C4	06 Aug 2018	Comments	none
C4	13 Aug 2018	Depth (m)	11
C4	13 Aug 2018	Arrive Time	944
C4	13 Aug 2018	Depart Time	948
C4	13 Aug 2018	Air Temp (C)	22
C4	13 Aug 2018	Weather	Partly Cloudy
C4	13 Aug 2018	Visibility (mi)	15
C4	13 Aug 2018	Wind Speed (kts)	6
C4	13 Aug 2018	Wind Dir	SE
C4	13 Aug 2018	Water Color	Green
C4	13 Aug 2018	Wave Ht Low (ft)	3
C4	13 Aug 2018	Wave Period (sec)	11
C4	13 Aug 2018	Sea State	Calm
C4	13 Aug 2018	High Tide (ft)	5
C4	13 Aug 2018	High Tide Time	1136
C4	13 Aug 2018	Low Tide (ft)	-0.83
C4	13 Aug 2018	Low Tide Time	522
C4	13 Aug 2018	Comments	Kelp
C4	20 Aug 2018	Depth (m)	11
C4	20 Aug 2018	Arrive Time	948
C4	20 Aug 2018	Depart Time	951
C4	20 Aug 2018	Air Temp (C)	22
C4	20 Aug 2018	Weather	Overcast
C4	20 Aug 2018	Visibility (mi)	7
C4	20 Aug 2018	Wind Speed (kts)	5
C4	20 Aug 2018	Wind Dir	SE
C4	20 Aug 2018	Water Color	Green
C4	20 Aug 2018	Wave Ht Low (ft)	2
C4	20 Aug 2018	Wave Period (sec)	4
C4	20 Aug 2018	Sea State	Calm
C4	20 Aug 2018	High Tide (ft)	3.47
C4	20 Aug 2018	High Tide Time	720
C4	20 Aug 2018	Low Tide (ft)	2.52
C4	20 Aug 2018	Low Tide Time	1155
C4	20 Aug 2018	Comments	Kelp; Boats
C4	27 Aug 2018	Depth (m)	12

Station	Date	Parameter	Value
C4	27 Aug 2018	Arrive Time	1001
C4	27 Aug 2018	Depart Time	1009
C4	27 Aug 2018	Air Temp (C)	22
C4	27 Aug 2018	Weather	Overcast
C4	27 Aug 2018	Visibility (mi)	5
C4	27 Aug 2018	Wind Speed (kts)	3
C4	27 Aug 2018	Wind Dir	W
C4	27 Aug 2018	Water Color	Green
C4	27 Aug 2018	Wave Ht Low (ft)	2
C4	27 Aug 2018	Wave Period (sec)	11
C4	27 Aug 2018	Sea State	Confused swell
C4	27 Aug 2018	High Tide (ft)	4.6
C4	27 Aug 2018	High Tide Time	1036
C4	27 Aug 2018	Low Tide (ft)	-0.01
C4	27 Aug 2018	Low Tide Time	430
C4	27 Aug 2018	Comments	none
C5	06 Aug 2018	Depth (m)	9
C5	06 Aug 2018	Arrive Time	951
C5	06 Aug 2018	Depart Time	955
C5	06 Aug 2018	Air Temp (C)	23
C5	06 Aug 2018	Weather	Haze
C5	06 Aug 2018	Visibility (mi)	8
C5	06 Aug 2018	Wind Speed (kts)	1
C5	06 Aug 2018	Wind Dir	SW
C5	06 Aug 2018	Water Color	Green
C5	06 Aug 2018	Wave Ht Low (ft)	3
C5	06 Aug 2018	Wave Period (sec)	13
C5	06 Aug 2018	Sea State	Calm
C5	06 Aug 2018	High Tide (ft)	3.19
C5	06 Aug 2018	High Tide Time	608
C5	06 Aug 2018	Low Tide (ft)	2.15
C5	06 Aug 2018	Low Tide Time	1101
C5	06 Aug 2018	Comments	none
C5	13 Aug 2018	Depth (m)	10
C5	13 Aug 2018	Arrive Time	930
C5	13 Aug 2018	Depart Time	936
C5	13 Aug 2018	Air Temp (C)	22
C5	13 Aug 2018	Weather	Partly Cloudy
C5	13 Aug 2018	Visibility (mi)	15
C5	13 Aug 2018	Wind Speed (kts)	0
C5	13 Aug 2018	Wind Dir	
C5	13 Aug 2018	Water Color	Green
C5	13 Aug 2018	Wave Ht Low (ft)	3
C5	13 Aug 2018	Wave Period (sec)	11
C5	13 Aug 2018	Sea State	Calm
C5	13 Aug 2018	High Tide (ft)	5
C5	13 Aug 2018	High Tide Time	1136
C5	13 Aug 2018	Low Tide (ft)	-0.83
C5	13 Aug 2018	Low Tide Time	522
C5	13 Aug 2018	Comments	Kelp
C5	20 Aug 2018	Depth (m)	9
C5	20 Aug 2018	Arrive Time	933

Station	Date	Parameter	Value
C5	20 Aug 2018	Depart Time	936
C5	20 Aug 2018	Air Temp (C)	22
C5	20 Aug 2018	Weather	Overcast
C5	20 Aug 2018	Visibility (mi)	7
C5	20 Aug 2018	Wind Speed (kts)	5
C5	20 Aug 2018	Wind Dir	SE
C5	20 Aug 2018	Water Color	Green
C5	20 Aug 2018	Wave Ht Low (ft)	2
C5	20 Aug 2018	Wave Period (sec)	4
C5	20 Aug 2018	Sea State	Calm
C5	20 Aug 2018	High Tide (ft)	3.47
C5	20 Aug 2018	High Tide Time	720
C5	20 Aug 2018	Low Tide (ft)	2.52
C5	20 Aug 2018	Low Tide Time	1155
C5	20 Aug 2018	Comments	Kelp; Boats
C5	27 Aug 2018	Depth (m)	13
C5	27 Aug 2018	Arrive Time	949
C5	27 Aug 2018	Depart Time	952
C5	27 Aug 2018	Air Temp (C)	22
C5	27 Aug 2018	Weather	Overcast
C5	27 Aug 2018	Visibility (mi)	5
C5	27 Aug 2018	Wind Speed (kts)	6
C5	27 Aug 2018	Wind Dir	W
C5	27 Aug 2018	Water Color	Green
C5	27 Aug 2018	Wave Ht Low (ft)	2
C5	27 Aug 2018	Wave Period (sec)	11
C5	27 Aug 2018	Sea State	Confused swell
C5	27 Aug 2018	High Tide (ft)	4.6
C5	27 Aug 2018	High Tide Time	1036
C5	27 Aug 2018	Low Tide (ft)	-0.01
C5	27 Aug 2018	Low Tide Time	430
C5	27 Aug 2018	Comments	none
C6	06 Aug 2018	Depth (m)	9
C6	06 Aug 2018	Arrive Time	940
C6	06 Aug 2018	Depart Time	944
C6	06 Aug 2018	Air Temp (C)	23
C6	06 Aug 2018	Weather	Cloudy
C6	06 Aug 2018	Visibility (mi)	8
C6	06 Aug 2018	Wind Speed (kts)	5
C6	06 Aug 2018	Wind Dir	SW
C6	06 Aug 2018	Water Color	Green
C6	06 Aug 2018	Wave Ht Low (ft)	3
C6	06 Aug 2018	Wave Period (sec)	13
C6	06 Aug 2018	Sea State	Calm
C6	06 Aug 2018	High Tide (ft)	3.19
C6	06 Aug 2018	High Tide Time	608
C6	06 Aug 2018	Low Tide (ft)	2.15
C6	06 Aug 2018	Low Tide Time	1101
C6	06 Aug 2018	Comments	none
C6	13 Aug 2018	Depth (m)	9
C6	13 Aug 2018	Arrive Time	918
C6	13 Aug 2018	Depart Time	923

Station	Date	Parameter	Value
C6	13 Aug 2018	Air Temp (C)	23
C6	13 Aug 2018	Weather	Partly Cloudy
C6	13 Aug 2018	Visibility (mi)	15
C6	13 Aug 2018	Wind Speed (kts)	0
C6	13 Aug 2018	Wind Dir	
C6	13 Aug 2018	Water Color	Green
C6	13 Aug 2018	Wave Ht Low (ft)	3
C6	13 Aug 2018	Wave Period (sec)	11
C6	13 Aug 2018	Sea State	Calm
C6	13 Aug 2018	High Tide (ft)	5
C6	13 Aug 2018	High Tide Time	1136
C6	13 Aug 2018	Low Tide (ft)	-0.83
C6	13 Aug 2018	Low Tide Time	522
C6	13 Aug 2018	Comments	Kelp
C6	20 Aug 2018	Depth (m)	9
C6	20 Aug 2018	Arrive Time	920
C6	20 Aug 2018	Depart Time	925
C6	20 Aug 2018	Air Temp (C)	22
C6	20 Aug 2018	Weather	Overcast
C6	20 Aug 2018	Visibility (mi)	7
C6	20 Aug 2018	Wind Speed (kts)	4
C6	20 Aug 2018	Wind Dir	SE
C6	20 Aug 2018	Water Color	Green
C6	20 Aug 2018	Wave Ht Low (ft)	2
C6	20 Aug 2018	Wave Period (sec)	4
C6	20 Aug 2018	Sea State	Calm
C6	20 Aug 2018	High Tide (ft)	3.47
C6	20 Aug 2018	High Tide Time	720
C6	20 Aug 2018	Low Tide (ft)	2.52
C6	20 Aug 2018	Low Tide Time	1155
C6	20 Aug 2018	Comments	Kelp
C6	27 Aug 2018	Depth (m)	9
C6	27 Aug 2018	Arrive Time	930
C6	27 Aug 2018	Depart Time	938
C6	27 Aug 2018	Air Temp (C)	22
C6	27 Aug 2018	Weather	Overcast
C6	27 Aug 2018	Visibility (mi)	5
C6	27 Aug 2018	Wind Speed (kts)	0
C6	27 Aug 2018	Wind Dir	
C6	27 Aug 2018	Water Color	Greenish-Blue
C6	27 Aug 2018	Wave Ht Low (ft)	2
C6	27 Aug 2018	Wave Period (sec)	11
C6	27 Aug 2018	Sea State	Confused swell
C6	27 Aug 2018	High Tide (ft)	4.6
C6	27 Aug 2018	High Tide Time	1036
C6	27 Aug 2018	Low Tide (ft)	-0.01
C6	27 Aug 2018	Low Tide Time	430
C6	27 Aug 2018	Comments	Kelp debris; Kelp
C7	06 Aug 2018	Depth (m)	18
C7	06 Aug 2018	Arrive Time	909
C7	06 Aug 2018	Depart Time	915
C7	06 Aug 2018	Air Temp (C)	23

Station	Date	Parameter	Value
C7	06 Aug 2018	Weather	Haze
C7	06 Aug 2018	Visibility (mi)	7
C7	06 Aug 2018	Wind Speed (kts)	4
C7	06 Aug 2018	Wind Dir	S
C7	06 Aug 2018	Water Color	Green
C7	06 Aug 2018	Wave Ht Low (ft)	3
C7	06 Aug 2018	Wave Period (sec)	13
C7	06 Aug 2018	Sea State	Calm
C7	06 Aug 2018	High Tide (ft)	3.19
C7	06 Aug 2018	High Tide Time	608
C7	06 Aug 2018	Low Tide (ft)	2.15
C7	06 Aug 2018	Low Tide Time	1101
C7	06 Aug 2018	Comments	none
C7	13 Aug 2018	Depth (m)	18
C7	13 Aug 2018	Arrive Time	840
C7	13 Aug 2018	Depart Time	845
C7	13 Aug 2018	Air Temp (C)	22
C7	13 Aug 2018	Weather	Partly Cloudy
C7	13 Aug 2018	Visibility (mi)	15
C7	13 Aug 2018	Wind Speed (kts)	4
C7	13 Aug 2018	Wind Dir	SE
C7	13 Aug 2018	Water Color	Green
C7	13 Aug 2018	Wave Ht Low (ft)	3
C7	13 Aug 2018	Wave Period (sec)	11
C7	13 Aug 2018	Sea State	Calm
C7	13 Aug 2018	High Tide (ft)	5
C7	13 Aug 2018	High Tide Time	1136
C7	13 Aug 2018	Low Tide (ft)	-0.83
C7	13 Aug 2018	Low Tide Time	522
C7	13 Aug 2018	Comments	Kelp
C7	20 Aug 2018	Depth (m)	18
C7	20 Aug 2018	Arrive Time	846
C7	20 Aug 2018	Depart Time	850
C7	20 Aug 2018	Air Temp (C)	22
C7	20 Aug 2018	Weather	Overcast
C7	20 Aug 2018	Visibility (mi)	4
C7	20 Aug 2018	Wind Speed (kts)	4
C7	20 Aug 2018	Wind Dir	E
C7	20 Aug 2018	Water Color	Green
C7	20 Aug 2018	Wave Ht Low (ft)	2
C7	20 Aug 2018	Wave Period (sec)	4
C7	20 Aug 2018	Sea State	Calm
C7	20 Aug 2018	High Tide (ft)	3.47
C7	20 Aug 2018	High Tide Time	720
C7	20 Aug 2018	Low Tide (ft)	2.52
C7	20 Aug 2018	Low Tide Time	1155
C7	20 Aug 2018	Comments	Kelp
C7	27 Aug 2018	Depth (m)	19
C7	27 Aug 2018	Arrive Time	848
C7	27 Aug 2018	Depart Time	852
C7	27 Aug 2018	Air Temp (C)	22
C7	27 Aug 2018	Weather	Overcast

Station	Date	Parameter	Value
C7	27 Aug 2018	Visibility (mi)	5
C7	27 Aug 2018	Wind Speed (kts)	2
C7	27 Aug 2018	Wind Dir	W
C7	27 Aug 2018	Water Color	Greenish-Blue
C7	27 Aug 2018	Wave Ht Low (ft)	2
C7	27 Aug 2018	Wave Period (sec)	11
C7	27 Aug 2018	Sea State	Confused swell
C7	27 Aug 2018	High Tide (ft)	4.6
C7	27 Aug 2018	High Tide Time	1036
C7	27 Aug 2018	Low Tide (ft)	-0.01
C7	27 Aug 2018	Low Tide Time	430
C7	27 Aug 2018	Comments	none
C8	06 Aug 2018	Depth (m)	20
C8	06 Aug 2018	Arrive Time	923
C8	06 Aug 2018	Depart Time	926
C8	06 Aug 2018	Air Temp (C)	23
C8	06 Aug 2018	Weather	Haze
C8	06 Aug 2018	Visibility (mi)	8
C8	06 Aug 2018	Wind Speed (kts)	2
C8	06 Aug 2018	Wind Dir	S
C8	06 Aug 2018	Water Color	Green
C8	06 Aug 2018	Wave Ht Low (ft)	3
C8	06 Aug 2018	Wave Period (sec)	13
C8	06 Aug 2018	Sea State	Calm
C8	06 Aug 2018	High Tide (ft)	3.19
C8	06 Aug 2018	High Tide Time	608
C8	06 Aug 2018	Low Tide (ft)	2.15
C8	06 Aug 2018	Low Tide Time	1101
C8	06 Aug 2018	Comments	none
C8	13 Aug 2018	Depth (m)	19
C8	13 Aug 2018	Arrive Time	854
C8	13 Aug 2018	Depart Time	859
C8	13 Aug 2018	Air Temp (C)	22
C8	13 Aug 2018	Weather	Partly Cloudy
C8	13 Aug 2018	Visibility (mi)	15
C8	13 Aug 2018	Wind Speed (kts)	3
C8	13 Aug 2018	Wind Dir	E
C8	13 Aug 2018	Water Color	Green
C8	13 Aug 2018	Wave Ht Low (ft)	3
C8	13 Aug 2018	Wave Period (sec)	11
C8	13 Aug 2018	Sea State	Calm
C8	13 Aug 2018	High Tide (ft)	5
C8	13 Aug 2018	High Tide Time	1136
C8	13 Aug 2018	Low Tide (ft)	-0.83
C8	13 Aug 2018	Low Tide Time	522
C8	13 Aug 2018	Comments	Kelp
C8	20 Aug 2018	Depth (m)	19
C8	20 Aug 2018	Arrive Time	857
C8	20 Aug 2018	Depart Time	901
C8	20 Aug 2018	Air Temp (C)	22
C8	20 Aug 2018	Weather	Overcast
C8	20 Aug 2018	Visibility (mi)	7

Station	Date	Parameter	Value
C8	20 Aug 2018	Wind Speed (kts)	3
C8	20 Aug 2018	Wind Dir	E
C8	20 Aug 2018	Water Color	Green
C8	20 Aug 2018	Wave Ht Low (ft)	2
C8	20 Aug 2018	Wave Period (sec)	4
C8	20 Aug 2018	Sea State	Calm
C8	20 Aug 2018	High Tide (ft)	3.47
C8	20 Aug 2018	High Tide Time	720
C8	20 Aug 2018	Low Tide (ft)	2.52
C8	20 Aug 2018	Low Tide Time	1155
C8	20 Aug 2018	Comments	Kelp; Boats
C8	27 Aug 2018	Depth (m)	20
C8	27 Aug 2018	Arrive Time	903
C8	27 Aug 2018	Depart Time	907
C8	27 Aug 2018	Air Temp (C)	22
C8	27 Aug 2018	Weather	Overcast
C8	27 Aug 2018	Visibility (mi)	5
C8	27 Aug 2018	Wind Speed (kts)	2
C8	27 Aug 2018	Wind Dir	E
C8	27 Aug 2018	Water Color	Greenish-Blue
C8	27 Aug 2018	Wave Ht Low (ft)	2
C8	27 Aug 2018	Wave Period (sec)	11
C8	27 Aug 2018	Sea State	Confused swell
C8	27 Aug 2018	High Tide (ft)	4.6
C8	27 Aug 2018	High Tide Time	1036
C8	27 Aug 2018	Low Tide (ft)	-0.01
C8	27 Aug 2018	Low Tide Time	430
C8	27 Aug 2018	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 (μg/L)
A1	06 Aug 2018	1	25.24	83.60	8.5	33.82	8.3	22.4	0.36
A1	06 Aug 2018	2	25.39	84.05	8.4	33.85	8.3	22.4	0.41
A1	06 Aug 2018	3	25.31	84.56	8.3	33.85	8.3	22.4	0.39
A1	06 Aug 2018	4	24.61	85.49	8.4	33.81	8.3	22.6	0.36
A1	06 Aug 2018	5	23.09	85.39	10.1	33.76	8.3	23.0	0.49
A1	06 Aug 2018	6	22.50	83.62	11.3	33.71	8.3	23.1	0.71
A1	06 Aug 2018	7	20.94	82.03	12.6	33.70	8.4	23.5	1.01
A1	06 Aug 2018	8	20.22	80.03	13.3	33.65	8.4	23.7	1.44
A1	06 Aug 2018	9	19.41	77.93	12.4	33.65	8.4	23.9	1.72
A1	06 Aug 2018	10	18.16	77.54	11.0	33.63	8.3	24.2	1.85
A1	06 Aug 2018	11	16.84	78.74	9.6	33.59	8.2	24.5	1.86
A1	06 Aug 2018	12	15.90	81.86	9.0	33.55	8.1	24.7	1.70
A1	06 Aug 2018	13	15.87	83.03	8.9	33.55	8.1	24.7	1.62
A1	06 Aug 2018	14	15.59	83.74	8.8	33.56	8.1	24.7	1.51
A1	06 Aug 2018	15	15.44	84.53	8.7	33.56	8.1	24.8	1.35
A1	06 Aug 2018	16	15.44	84.66	8.7	33.56	8.1	24.8	1.30
A1	06 Aug 2018	17	15.43	84.93	8.6	33.57	8.1	24.8	1.33
A1	06 Aug 2018	18	15.42	84.96	8.6	33.57	8.1	24.8	1.32
A1	06 Aug 2018	19	15.44	85.04	8.6	33.58	8.1	24.8	1.19
A1	13 Aug 2018	1	23.15	80.15	7.8	33.76	8.0	22.9	0.95
A1	13 Aug 2018	2	22.50	79.81	8.3	33.73	8.0	23.1	1.05
A1	13 Aug 2018	3	21.92	79.74	8.8	33.70	8.0	23.3	1.27
A1	13 Aug 2018	4	21.72	79.96	8.8	33.69	8.0	23.3	1.40
A1	13 Aug 2018	5	21.40	79.41	8.8	33.69	8.0	23.4	1.59
A1	13 Aug 2018	6	20.86	78.42	9.0	33.67	8.0	23.5	1.77
A1	13 Aug 2018	7	20.57	78.69	8.9	33.66	8.0	23.6	1.88
A1	13 Aug 2018	8	20.03	78.79	8.7	33.65	8.0	23.7	2.13
A1	13 Aug 2018	9	18.97	78.45	8.6	33.64	8.0	24.0	2.36
A1	13 Aug 2018	10	18.17	78.28	8.5	33.62	8.1	24.2	2.46
A1	13 Aug 2018	11	17.68	79.50	8.3	33.60	8.1	24.3	2.04
A1	13 Aug 2018	12	17.32	81.41	8.0	33.59	8.1	24.4	1.40
A1	13 Aug 2018	13	16.86	82.41	7.8	33.58	8.1	24.5	0.99
A1	13 Aug 2018	14	16.62	82.67	7.8	33.58	8.1	24.5	0.62
A1	13 Aug 2018	15	16.49	82.71	7.6	33.58	8.1	24.5	0.46
A1	13 Aug 2018	16	15.72	83.18	7.5	33.56	8.1	24.7	0.41
A1	13 Aug 2018	17	14.52	84.09	7.7	33.55	8.1	25.0	0.33
A1	13 Aug 2018	18	14.22	84.90	7.8	33.52	8.1	25.0	0.29
A1	20 Aug 2018	1	23.96	87.30	7.6	33.79	8.2	22.7	0.35
A1	20 Aug 2018	2	24.03	87.52	7.6	33.80	8.2	22.7	0.38
A1	20 Aug 2018	3	24.03	87.57	7.6	33.80	8.2	22.7	0.47
A1	20 Aug 2018	4	23.87	87.40	7.6	33.81	8.2	22.8	0.39
A1	20 Aug 2018	5	23.01	87.36	7.8	33.79	8.2	23.0	0.43
A1	20 Aug 2018	6	22.56	87.47	7.8	33.77	8.2	23.1	0.47
A1	20 Aug 2018	7	20.84	87.14	8.3	33.77	8.2	23.6	0.48
A1	20 Aug 2018	8	19.94	87.06	8.8	33.67	8.2	23.8	0.63
A1	20 Aug 2018	9	19.81	86.74	8.8	33.65	8.2	23.8	0.60
A1	20 Aug 2018	10	19.68	86.66	8.9	33.64	8.2	23.8	0.69
A1	20 Aug 2018	11	19.52	86.41	8.8	33.64	8.2	23.8	0.87
A1	20 Aug 2018	12	18.84	85.62	8.9	33.64	8.2	24.0	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	20 Aug 2018	13	18.19	83.32	8.9	33.61	8.2	24.2	1.89
A1	20 Aug 2018	14	17.85	81.31	8.8	33.60	8.2	24.2	2.77
A1	20 Aug 2018	15	17.63	80.07	8.8	33.59	8.2	24.3	3.30
A1	20 Aug 2018	16	17.38	79.57	8.7	33.59	8.2	24.3	3.50
A1	20 Aug 2018	17	17.25	79.24	8.6	33.58	8.2	24.4	3.64
A1	20 Aug 2018	18	17.17	79.27	8.5	33.58	8.2	24.4	3.47
A1	20 Aug 2018	19	16.97	79.66	8.6	33.58	8.2	24.4	3.20
A1	20 Aug 2018	20	16.91	80.63	8.5	33.58	8.2	24.4	2.85
A1	27 Aug 2018	1	21.85	81.82	7.9	33.77	8.2	23.3	1.27
A1	27 Aug 2018	2	20.51	81.83	8.2	33.71	8.2	23.6	1.30
A1	27 Aug 2018	3	18.80	82.15	8.6	33.62	8.1	24.0	1.28
A1	27 Aug 2018	4	17.93	82.82	8.7	33.57	8.1	24.2	1.23
A1	27 Aug 2018	5	17.29	83.88	8.8	33.56	8.1	24.3	1.32
A1	27 Aug 2018	6	17.32	83.57	8.4	33.55	8.1	24.3	1.38
A1	27 Aug 2018	7	15.75	84.40	8.2	33.53	8.1	24.7	1.41
A1	27 Aug 2018	8	15.28	85.09	8.1	33.51	8.1	24.8	1.33
A1	27 Aug 2018	9	15.06	85.79	8.1	33.50	8.1	24.8	1.27
A1	27 Aug 2018	10	14.72	86.54	8.0	33.49	8.1	24.9	1.19
A1	27 Aug 2018	11	14.57	86.69	7.8	33.50	8.1	24.9	1.17
A1	27 Aug 2018	12	14.42	86.74	7.6	33.50	8.1	24.9	1.09
A1	27 Aug 2018	13	14.21	86.93	7.4	33.51	8.0	25.0	0.88
A1	27 Aug 2018	14	14.19	87.23	7.4	33.51	8.0	25.0	0.76
A1	27 Aug 2018	15	14.19	87.33	7.3	33.51	8.0	25.0	0.78
A1	27 Aug 2018	16	14.20	87.43	7.3	33.52	8.0	25.0	0.71
A1	27 Aug 2018	17	14.19	87.43	7.3	33.52	8.0	25.0	0.72
A1	27 Aug 2018	18	14.22	86.80	7.3	33.53	8.0	25.0	0.75
A6	06 Aug 2018	1	25.54	80.28	8.2	33.88	8.3	22.3	0.57
A6	06 Aug 2018	2	25.49	80.07	8.2	33.88	8.3	22.3	0.60
A6	06 Aug 2018	3	25.27	80.93	8.4	33.87	8.3	22.4	0.64
A6	06 Aug 2018	4	24.96	82.49	8.7	33.85	8.3	22.5	0.60
A6	06 Aug 2018	5	24.31	83.22	9.2	33.84	8.3	22.7	0.59
A6	06 Aug 2018	6	23.92	82.89	9.5	33.80	8.3	22.8	0.68
A6	06 Aug 2018	7	23.34	82.54	9.6	33.81	8.3	22.9	0.80
A6	06 Aug 2018	8	22.05	81.71	9.9	33.79	8.3	23.3	1.04
A6	06 Aug 2018	9	20.26	81.44	9.8	33.77	8.3	23.8	1.26
A6	06 Aug 2018	10	18.52	82.40	9.8	33.69	8.3	24.1	1.25
A6	06 Aug 2018	11	17.64	82.65	9.4	33.66	8.2	24.3	1.34
A6	06 Aug 2018	12	16.65	82.66	9.0	33.63	8.2	24.5	1.47
A6	06 Aug 2018	13	16.33	83.30	8.7	33.60	8.2	24.6	1.51
A6	06 Aug 2018	14	16.05	84.37	8.5	33.60	8.2	24.7	1.26
A6	06 Aug 2018	15	15.54	84.90	8.2	33.59	8.1	24.8	0.97
A6	06 Aug 2018	16	15.33	85.21	8.2	33.58	8.1	24.8	0.87
A6	06 Aug 2018	17	15.22	85.37	8.2	33.58	8.1	24.8	0.95
A6	06 Aug 2018	18	15.21	85.42	8.2	33.58	8.1	24.8	1.00
A6	06 Aug 2018	19	15.24	84.92	8.2	33.59	8.1	24.8	0.95
A6	13 Aug 2018	1	24.01	75.89	7.2	33.79	8.1	22.7	1.08
A6	13 Aug 2018	2	23.90	75.85	7.2	33.78	8.1	22.7	1.29
A6	13 Aug 2018	3	21.98	75.33	7.9	33.74	8.2	23.3	1.94
A6	13 Aug 2018	4	20.78	75.57	8.3	33.66	8.2	23.5	2.40
A6	13 Aug 2018	5	19.38	76.59	8.6	33.64	8.2	23.9	2.59
A6	13 Aug 2018	6	18.79	78.03	8.4	33.61	8.2	24.0	2.70
A6	13 Aug 2018	7	17.68	79.86	8.3	33.58	8.2	24.3	2.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	13 Aug 2018	8	16.35	82.04	8.6	33.56	8.2	24.6	2.20
A6	13 Aug 2018	9	16.10	82.54	8.6	33.53	8.2	24.6	2.38
A6	13 Aug 2018	10	15.94	82.57	8.6	33.53	8.2	24.6	2.19
A6	13 Aug 2018	11	15.90	83.20	8.5	33.53	8.2	24.6	2.08
A6	13 Aug 2018	12	15.89	83.49	8.4	33.54	8.2	24.7	2.04
A6	13 Aug 2018	13	15.84	83.49	8.2	33.54	8.2	24.7	1.75
A6	13 Aug 2018	14	15.28	84.52	8.0	33.55	8.2	24.8	1.06
A6	13 Aug 2018	15	14.94	85.91	7.9	33.53	8.2	24.9	0.63
A6	13 Aug 2018	16	14.50	86.85	8.0	33.53	8.2	24.9	0.50
A6	13 Aug 2018	17	14.38	87.35	8.0	33.52	8.2	25.0	0.48
A6	13 Aug 2018	18	14.29	87.43	8.0	33.52	8.2	25.0	0.42
A6	13 Aug 2018	19	14.28	86.56	7.9	33.53	8.2	25.0	0.38
A6	20 Aug 2018	1	23.86	86.88	7.7	33.80	8.2	22.8	0.35
A6	20 Aug 2018	2	23.86	86.87	7.7	33.80	8.2	22.8	0.36
A6	20 Aug 2018	3	23.87	86.84	7.7	33.80	8.2	22.8	0.37
A6	20 Aug 2018	4	23.87	86.96	7.7	33.80	8.2	22.8	0.36
A6	20 Aug 2018	5	23.86	86.94	7.7	33.80	8.2	22.8	0.33
A6	20 Aug 2018	6	23.70	87.01	7.6	33.80	8.2	22.8	0.36
A6	20 Aug 2018	7	23.11	86.98	7.5	33.76	8.2	23.0	0.53
A6	20 Aug 2018	8	21.25	85.93	7.8	33.74	8.2	23.5	0.90
A6	20 Aug 2018	9	20.42	83.49	8.0	33.68	8.2	23.6	1.43
A6	20 Aug 2018	10	19.51	82.58	8.1	33.65	8.2	23.9	1.59
A6	20 Aug 2018	11	18.96	82.90	8.2	33.62	8.2	24.0	1.40
A6	20 Aug 2018	12	18.62	83.36	8.3	33.60	8.2	24.1	1.30
A6	20 Aug 2018	13	18.44	83.86	8.3	33.60	8.2	24.1	1.23
A6	20 Aug 2018	14	18.13	83.94	8.3	33.59	8.2	24.2	1.28
A6	20 Aug 2018	15	17.36	83.96	8.5	33.58	8.2	24.3	1.22
A6	20 Aug 2018	16	17.15	84.46	8.4	33.57	8.2	24.4	1.09
A6	20 Aug 2018	17	17.01	84.83	8.4	33.56	8.2	24.4	0.88
A6	20 Aug 2018	18	16.85	85.57	8.4	33.56	8.2	24.4	0.79
A6	20 Aug 2018	19	16.79	85.79	8.3	33.56	8.2	24.5	0.73
A6	20 Aug 2018	20	16.76	85.72	8.3	33.57	8.2	24.5	0.66
A6	27 Aug 2018	1	22.98	82.14	8.2	33.82	8.2	23.0	0.86
A6	27 Aug 2018	2	22.94	81.86	8.0	33.82	8.2	23.1	0.92
A6	27 Aug 2018	3	22.80	81.96	7.6	33.81	8.2	23.1	1.08
A6	27 Aug 2018	4	19.69	81.87	8.0	33.71	8.2	23.8	1.27
A6	27 Aug 2018	5	17.24	82.32	8.5	33.58	8.2	24.4	1.61
A6	27 Aug 2018	6	17.05	82.75	8.5	33.54	8.1	24.4	1.74
A6	27 Aug 2018	7	16.51	83.15	8.4	33.52	8.1	24.5	1.63
A6	27 Aug 2018	8	16.13	83.91	8.4	33.52	8.1	24.6	1.45
A6	27 Aug 2018	9	15.98	84.48	8.3	33.51	8.1	24.6	1.41
A6	27 Aug 2018	10	15.79	84.98	8.3	33.51	8.1	24.6	1.39
A6	27 Aug 2018	11	15.57	85.63	8.3	33.51	8.1	24.7	1.24
A6	27 Aug 2018	12	15.40	85.83	8.2	33.51	8.1	24.7	1.22
A6	27 Aug 2018	13	15.12	86.02	8.0	33.51	8.1	24.8	1.10
A6	27 Aug 2018	14	14.91	86.55	7.9	33.51	8.1	24.8	0.89
A6	27 Aug 2018	15	14.99	86.67	7.9	33.51	8.1	24.8	0.89
A6	27 Aug 2018	16	14.84	86.94	7.8	33.52	8.1	24.9	0.84
A6	27 Aug 2018	17	14.80	86.94	7.8	33.52	8.1	24.9	0.79
A6	27 Aug 2018	18	14.72	86.76	7.8	33.52	8.1	24.9	0.79
A6	27 Aug 2018	19	14.73	86.59	7.8	33.52	8.1	24.9	0.81
A7	06 Aug 2018	1	25.45	82.67	8.4	33.88	8.3	22.4	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	06 Aug 2018	2	25.44	82.82	8.4	33.88	8.3	22.4	0.51
A7	06 Aug 2018	3	25.44	82.83	8.4	33.88	8.3	22.4	0.51
A7	06 Aug 2018	4	24.93	83.23	8.8	33.86	8.3	22.5	0.50
A7	06 Aug 2018	5	23.76	83.57	9.7	33.79	8.3	22.8	0.57
A7	06 Aug 2018	6	23.60	84.20	9.8	33.76	8.3	22.8	0.59
A7	06 Aug 2018	7	22.96	84.29	10.1	33.75	8.3	23.0	0.68
A7	06 Aug 2018	8	20.68	83.18	11.3	33.74	8.4	23.6	0.99
A7	06 Aug 2018	9	19.36	81.28	11.6	33.67	8.3	23.9	1.27
A7	06 Aug 2018	10	18.95	80.40	10.9	33.64	8.3	24.0	1.49
A7	06 Aug 2018	11	18.68	80.62	10.2	33.62	8.3	24.0	1.58
A7	06 Aug 2018	12	18.33	80.93	9.9	33.62	8.3	24.1	1.51
A7	06 Aug 2018	13	18.14	81.81	9.3	33.62	8.2	24.2	1.38
A7	06 Aug 2018	14	16.89	83.01	8.8	33.63	8.2	24.5	1.20
A7	06 Aug 2018	15	15.95	84.08	8.4	33.58	8.2	24.7	0.96
A7	06 Aug 2018	16	15.47	85.27	8.3	33.56	8.1	24.8	0.86
A7	06 Aug 2018	17	15.34	85.16	8.4	33.55	8.1	24.8	0.91
A7	06 Aug 2018	18	15.46	85.07	8.4	33.57	8.1	24.8	0.90
A7	13 Aug 2018	1	23.02	77.84	7.5	33.75	8.1	23.0	1.30
A7	13 Aug 2018	2	22.40	78.00	7.9	33.73	8.1	23.1	1.48
A7	13 Aug 2018	3	21.57	78.26	8.4	33.69	8.2	23.3	1.69
A7	13 Aug 2018	4	21.14	78.37	8.7	33.67	8.2	23.4	1.79
A7	13 Aug 2018	5	20.54	78.03	8.9	33.65	8.2	23.6	1.89
A7	13 Aug 2018	6	20.25	78.40	8.8	33.64	8.2	23.7	2.02
A7	13 Aug 2018	7	19.41	78.28	8.7	33.63	8.2	23.9	2.44
A7	13 Aug 2018	8	18.45	78.60	8.5	33.60	8.2	24.1	2.48
A7	13 Aug 2018	9	17.31	80.76	8.3	33.59	8.2	24.4	1.88
A7	13 Aug 2018	10	16.69	82.34	8.3	33.56	8.2	24.5	1.83
A7	13 Aug 2018	11	15.98	82.96	8.3	33.55	8.2	24.6	1.44
A7	13 Aug 2018	12	15.57	85.08	8.1	33.54	8.2	24.7	0.91
A7	13 Aug 2018	13	14.71	86.74	8.0	33.52	8.2	24.9	0.58
A7	13 Aug 2018	14	14.58	86.97	8.0	33.51	8.2	24.9	0.46
A7	13 Aug 2018	15	14.47	86.93	8.0	33.52	8.2	24.9	0.44
A7	13 Aug 2018	16	14.40	87.24	7.9	33.52	8.2	25.0	0.40
A7	13 Aug 2018	17	14.34	87.33	7.8	33.52	8.2	25.0	0.36
A7	13 Aug 2018	18	14.34	87.22	7.8	33.52	8.2	25.0	0.33
A7	13 Aug 2018	19	14.34	87.02	7.8	33.53	8.2	25.0	0.30
A7	20 Aug 2018	1	23.95	81.69	7.7	33.80	8.2	22.7	0.28
A7	20 Aug 2018	2	23.98	84.54	7.7	33.80	8.2	22.7	0.31
A7	20 Aug 2018	3	23.92	85.09	7.7	33.80	8.2	22.8	0.32
A7	20 Aug 2018	4	23.70	85.55	7.8	33.79	8.2	22.8	0.34
A7	20 Aug 2018	5	23.57	85.60	7.7	33.79	8.2	22.9	0.43
A7	20 Aug 2018	6	23.13	85.73	7.7	33.77	8.2	23.0	0.46
A7	20 Aug 2018	7	22.05	85.54	8.0	33.74	8.2	23.2	0.62
A7	20 Aug 2018	8	20.79	83.89	8.4	33.69	8.2	23.6	0.99
A7	20 Aug 2018	9	20.26	83.02	8.6	33.66	8.2	23.7	1.16
A7	20 Aug 2018	10	19.92	82.69	8.6	33.64	8.2	23.8	1.26
A7	20 Aug 2018	11	19.72	82.72	8.4	33.64	8.2	23.8	1.50
A7	20 Aug 2018	12	18.67	81.21	8.3	33.63	8.2	24.1	1.90
A7	20 Aug 2018	13	17.80	81.31	8.6	33.59	8.2	24.2	1.86
A7	20 Aug 2018	14	17.77	81.85	8.6	33.58	8.2	24.2	1.71
A7	20 Aug 2018	15	17.75	82.29	8.5	33.59	8.2	24.2	1.62
A7	20 Aug 2018	16	17.47	82.56	8.5	33.59	8.2	24.3	1.60
A7	20 Aug 2018	17	17.30	82.44	8.6	33.58	8.2	24.4	1.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	20 Aug 2018	18	17.19	82.28	8.6	33.58	8.2	24.4	1.74
A7	20 Aug 2018	19	17.03	82.53	8.5	33.58	8.2	24.4	1.58
A7	20 Aug 2018	20	16.99	82.98	8.4	33.58	8.2	24.4	1.38
A7	20 Aug 2018	21	17.00	83.56	8.4	33.59	8.2	24.4	1.33
A7	27 Aug 2018	1	22.71	81.81	8.1	33.80	8.2	23.1	1.16
A7	27 Aug 2018	2	22.59	82.03	8.0	33.80	8.2	23.1	1.11
A7	27 Aug 2018	3	20.58	81.94	8.2	33.72	8.2	23.6	1.30
A7	27 Aug 2018	4	18.43	82.18	8.5	33.62	8.2	24.1	1.33
A7	27 Aug 2018	5	17.23	82.96	8.7	33.56	8.1	24.4	1.40
A7	27 Aug 2018	6	16.91	83.85	8.6	33.54	8.1	24.4	1.43
A7	27 Aug 2018	7	16.43	84.14	8.5	33.53	8.1	24.5	1.45
A7	27 Aug 2018	8	15.83	84.68	8.4	33.52	8.1	24.6	1.34
A7	27 Aug 2018	9	15.55	85.53	8.3	33.51	8.1	24.7	1.23
A7	27 Aug 2018	10	15.31	85.79	8.2	33.51	8.1	24.8	1.18
A7	27 Aug 2018	11	15.12	86.17	8.1	33.51	8.1	24.8	1.19
A7	27 Aug 2018	12	15.00	86.33	8.0	33.52	8.1	24.8	1.07
A7	27 Aug 2018	13	14.91	86.41	7.8	33.52	8.1	24.8	1.00
A7	27 Aug 2018	14	14.81	86.52	7.7	33.52	8.1	24.9	0.92
A7	27 Aug 2018	15	14.75	86.77	7.6	33.52	8.1	24.9	0.79
A7	27 Aug 2018	16	14.73	86.94	7.6	33.53	8.1	24.9	0.77
A7	27 Aug 2018	17	14.72	87.02	7.6	33.53	8.1	24.9	0.71
A7	27 Aug 2018	18	14.73	87.05	7.5	33.53	8.1	24.9	0.67
A7	27 Aug 2018	19	14.74	87.07	7.5	33.54	8.0	24.9	0.65
C4	06 Aug 2018	1	25.36	77.51	7.2	33.87	8.3	22.4	0.52
C4	06 Aug 2018	2	25.28	77.69	7.3	33.88	8.3	22.4	0.55
C4	06 Aug 2018	3	25.27	78.22	7.3	33.87	8.3	22.4	0.57
C4	06 Aug 2018	4	25.24	78.48	7.3	33.88	8.3	22.4	0.60
C4	06 Aug 2018	5	24.71	78.75	7.4	33.93	8.3	22.6	0.62
C4	06 Aug 2018	6	23.30	79.19	7.5	33.91	8.3	23.0	0.86
C4	06 Aug 2018	7	22.29	78.22	7.3	33.88	8.2	23.3	1.16
C4	06 Aug 2018	8	20.43	76.95	7.2	33.85	8.2	23.8	1.45
C4	06 Aug 2018	9	18.70	74.72	6.6	33.80	8.1	24.2	1.40
C4	06 Aug 2018	10	16.80	72.36	6.1	33.72	8.0	24.6	0.95
C4	06 Aug 2018	11	15.97	66.78	5.9	33.63	8.0	24.7	0.57
C4	06 Aug 2018	12	15.79	54.71	5.9	33.58	8.0	24.7	0.46
C4	13 Aug 2018	1	23.01	75.29	7.7	33.74	8.2	23.0	0.96
C4	13 Aug 2018	2	22.53	75.08	7.9	33.73	8.2	23.1	1.08
C4	13 Aug 2018	3	21.92	74.99	8.1	33.71	8.2	23.3	1.48
C4	13 Aug 2018	4	21.54	74.66	8.1	33.69	8.2	23.4	1.86
C4	13 Aug 2018	5	21.13	74.67	7.9	33.68	8.2	23.5	2.05
C4	13 Aug 2018	6	20.58	74.42	7.6	33.67	8.2	23.6	1.93
C4	13 Aug 2018	7	20.00	74.01	7.5	33.66	8.2	23.7	1.64
C4	13 Aug 2018	8	19.58	74.03	7.3	33.64	8.2	23.8	1.26
C4	13 Aug 2018	9	18.98	73.90	6.9	33.63	8.2	24.0	0.92
C4	13 Aug 2018	10	18.51	71.68	6.4	33.62	8.2	24.1	0.63
C4	13 Aug 2018	11	18.41	65.11	6.3	33.62	8.2	24.1	0.52
C4	20 Aug 2018	1	23.42	81.36	7.6	33.79	8.2	22.9	0.65
C4	20 Aug 2018	2	23.37	79.30	7.6	33.79	8.2	22.9	0.75
C4	20 Aug 2018	3	23.34	83.87	7.5	33.79	8.2	22.9	0.87
C4	20 Aug 2018	4	23.31	84.36	7.5	33.78	8.2	22.9	1.05
C4	20 Aug 2018	5	23.20	83.55	7.4	33.77	8.2	22.9	1.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	20 Aug 2018	6	22.63	81.04	7.2	33.75	8.2	23.1	2.26
C4	20 Aug 2018	7	21.71	76.41	7.1	33.72	8.2	23.3	3.10
C4	20 Aug 2018	8	21.59	76.58	6.8	33.69	8.2	23.3	3.33
C4	20 Aug 2018	9	20.36	73.49	6.2	33.68	8.1	23.7	3.27
C4	20 Aug 2018	10	18.67	74.41	5.9	33.62	8.1	24.0	1.88
C4	20 Aug 2018	11	18.71	74.76	6.0	33.58	8.0	24.0	1.24
C4	27 Aug 2018	1	22.69	78.63	7.8	33.80	8.2	23.1	0.91
C4	27 Aug 2018	2	22.52	78.86	7.6	33.79	8.2	23.2	1.00
C4	27 Aug 2018	3	21.41	75.46	7.2	33.75	8.2	23.4	1.08
C4	27 Aug 2018	4	20.63	71.00	7.2	33.71	8.2	23.6	1.12
C4	27 Aug 2018	5	18.93	67.11	7.5	33.64	8.2	24.0	1.27
C4	27 Aug 2018	6	17.36	75.47	7.7	33.58	8.2	24.3	1.07
C4	27 Aug 2018	7	16.59	76.68	7.6	33.58	8.1	24.5	0.83
C4	27 Aug 2018	8	16.30	76.24	7.6	33.54	8.1	24.6	0.70
C4	27 Aug 2018	9	15.72	71.45	7.6	33.52	8.1	24.7	0.62
C4	27 Aug 2018	10	15.41	73.41	7.6	33.51	8.1	24.7	1.00
C4	27 Aug 2018	11	15.38	74.58	7.6	33.52	8.1	24.7	1.01
C4	27 Aug 2018	12	15.47	73.18	7.6	33.52	8.1	24.7	0.67
C5	06 Aug 2018	1	25.27	80.74	7.9	33.87	8.3	22.4	0.41
C5	06 Aug 2018	2	25.16	80.66	7.9	33.88	8.3	22.4	0.46
C5	06 Aug 2018	3	25.02	80.67	7.9	33.88	8.3	22.5	0.53
C5	06 Aug 2018	4	24.81	80.90	8.0	33.88	8.3	22.6	0.60
C5	06 Aug 2018	5	23.95	81.21	8.3	33.87	8.3	22.8	0.71
C5	06 Aug 2018	6	22.84	80.78	8.6	33.86	8.3	23.1	0.94
C5	06 Aug 2018	7	21.03	79.54	8.8	33.78	8.3	23.6	1.39
C5	06 Aug 2018	8	19.64	78.25	8.3	33.75	8.2	23.9	1.99
C5	06 Aug 2018	9	18.46	77.48	7.5	33.70	8.2	24.2	2.46
C5	06 Aug 2018	10	17.65	77.72	6.9	33.66	8.1	24.3	1.86
C5	06 Aug 2018	11	16.77	78.82	6.9	33.65	8.1	24.5	0.96
C5	13 Aug 2018	1	23.32	71.49	6.1	33.76	8.1	22.9	0.95
C5	13 Aug 2018	2	23.04	72.97	6.0	33.76	8.1	23.0	1.15
C5	13 Aug 2018	3	22.25	72.02	6.9	33.73	8.1	23.2	1.52
C5	13 Aug 2018	4	21.01	72.72	7.6	33.69	8.2	23.5	1.85
C5	13 Aug 2018	5	20.38	76.00	6.9	33.67	8.2	23.6	1.64
C5	13 Aug 2018	6	19.78	79.15	6.7	33.66	8.2	23.8	1.23
C5	13 Aug 2018	7	19.47	81.15	6.8	33.64	8.2	23.9	0.99
C5	13 Aug 2018	8	19.07	81.67	6.9	33.63	8.2	24.0	0.88
C5	13 Aug 2018	9	18.91	81.16	6.9	33.63	8.2	24.0	0.79
C5	13 Aug 2018	10	18.64	80.44	6.7	33.62	8.2	24.1	0.65
C5	13 Aug 2018	11	18.14	78.43	6.3	33.62	8.2	24.2	0.46
C5	20 Aug 2018	1	23.86	83.55	7.4	33.81	8.2	22.8	0.29
C5	20 Aug 2018	2	23.83	84.55	7.5	33.81	8.2	22.8	0.32
C5	20 Aug 2018	3	23.71	84.82	7.4	33.81	8.2	22.8	0.35
C5	20 Aug 2018	4	23.66	85.07	7.4	33.80	8.2	22.8	0.37
C5	20 Aug 2018	5	23.61	85.11	7.4	33.80	8.2	22.8	0.40
C5	20 Aug 2018	6	23.52	85.18	7.4	33.80	8.2	22.9	0.49
C5	20 Aug 2018	7	22.80	83.03	7.4	33.78	8.2	23.1	0.75
C5	20 Aug 2018	8	21.20	79.70	7.2	33.76	8.2	23.5	1.34
C5	20 Aug 2018	9	19.64	78.55	7.1	33.67	8.2	23.8	1.12
C5	20 Aug 2018	10	18.67	76.81	7.2	33.63	8.1	24.1	0.74
C5	20 Aug 2018	11	18.65	75.06	7.3	33.59	8.1	24.0	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C5	27 Aug 2018	1	22.61	79.90	7.8	33.78	8.2	23.1	0.61
	27 Aug 2018	2	22.55	79.96	7.7	33.77	8.2	23.1	0.61
	27 Aug 2018	3	21.67	80.20	7.7	33.74	8.2	23.4	0.71
	27 Aug 2018	4	19.21	80.47	8.1	33.65	8.2	23.9	0.95
	27 Aug 2018	5	18.14	81.01	8.1	33.60	8.2	24.2	1.15
	27 Aug 2018	6	17.11	81.47	8.0	33.56	8.1	24.4	1.14
	27 Aug 2018	7	16.45	83.27	8.0	33.53	8.1	24.5	0.96
	27 Aug 2018	8	16.12	84.83	7.9	33.52	8.1	24.6	0.80
	27 Aug 2018	9	15.92	85.58	7.7	33.51	8.1	24.6	0.60
	27 Aug 2018	10	15.80	85.98	7.6	33.52	8.1	24.7	0.52
	27 Aug 2018	11	15.69	85.90	7.7	33.52	8.1	24.7	0.47
C6	06 Aug 2018	1	25.36	81.76	8.1	33.88	8.3	22.4	0.32
	06 Aug 2018	2	25.30	81.86	8.1	33.88	8.3	22.4	0.34
	06 Aug 2018	3	25.23	81.71	8.1	33.88	8.3	22.4	0.42
	06 Aug 2018	4	25.15	81.68	8.2	33.87	8.3	22.4	0.48
	06 Aug 2018	5	24.91	81.82	8.3	33.88	8.3	22.5	0.56
	06 Aug 2018	6	23.81	81.67	8.7	33.88	8.3	22.8	0.72
	06 Aug 2018	7	22.32	80.87	9.2	33.83	8.3	23.2	0.99
	06 Aug 2018	8	21.19	80.19	9.6	33.75	8.3	23.5	1.56
	06 Aug 2018	9	20.01	78.89	8.7	33.73	8.3	23.8	2.16
	06 Aug 2018	10	18.75	78.71	8.3	33.74	8.2	24.1	1.73
	13 Aug 2018	1	23.82	63.46	5.9	33.77	8.1	22.8	1.53
C6	13 Aug 2018	2	23.07	62.62	6.0	33.75	8.1	23.0	1.79
	13 Aug 2018	3	21.49	64.55	6.5	33.72	8.1	23.4	2.28
	13 Aug 2018	4	20.82	69.41	6.5	33.69	8.1	23.5	2.24
	13 Aug 2018	5	19.97	72.58	6.4	33.67	8.1	23.8	1.78
	13 Aug 2018	6	19.42	74.54	6.2	33.65	8.1	23.9	1.23
	13 Aug 2018	7	19.02	75.37	5.9	33.63	8.1	24.0	0.81
	13 Aug 2018	8	18.47	73.06	5.8	33.62	8.1	24.1	0.55
	13 Aug 2018	9	18.34	62.75	5.7	33.61	8.1	24.1	0.42
	13 Aug 2018	10	18.35	57.70	5.7	33.61	8.1	24.1	0.39
	20 Aug 2018	1	23.68	86.51	7.6	33.80	8.2	22.8	0.36
	20 Aug 2018	2	23.66	86.71	7.6	33.80	8.2	22.8	0.43
C6	20 Aug 2018	3	23.64	86.68	7.6	33.80	8.2	22.8	0.46
	20 Aug 2018	4	23.54	86.42	7.7	33.80	8.2	22.9	0.58
	20 Aug 2018	5	23.51	86.07	7.7	33.80	8.2	22.9	0.65
	20 Aug 2018	6	23.49	85.79	7.7	33.80	8.2	22.9	0.72
	20 Aug 2018	7	23.29	85.08	7.5	33.79	8.2	22.9	0.87
	20 Aug 2018	8	22.17	82.63	6.8	33.76	8.2	23.2	1.06
	20 Aug 2018	9	19.58	81.12	6.7	33.65	8.1	23.8	0.49
	27 Aug 2018	1	22.84	80.72	8.0	33.80	8.2	23.1	0.71
	27 Aug 2018	2	22.78	80.75	7.9	33.80	8.2	23.1	0.76
	27 Aug 2018	3	21.36	80.73	7.9	33.74	8.2	23.4	0.90
C6	27 Aug 2018	4	19.39	80.90	8.2	33.66	8.2	23.9	1.17
	27 Aug 2018	5	18.39	80.69	8.3	33.61	8.2	24.1	1.48
	27 Aug 2018	6	18.08	80.01	8.2	33.58	8.2	24.2	1.66
	27 Aug 2018	7	17.47	80.54	8.1	33.57	8.2	24.3	1.67
	27 Aug 2018	8	17.03	81.42	8.1	33.56	8.2	24.4	1.43
	27 Aug 2018	9	16.66	82.98	8.0	33.55	8.1	24.5	1.11
	27 Aug 2018	10	16.46	83.87	7.8	33.54	8.1	24.5	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C6	27 Aug 2018	11	16.38	81.98	7.7	33.53	8.1	24.5	0.54
C7	06 Aug 2018	1	25.49	79.19	7.9	33.88	8.3	22.3	0.59
C7	06 Aug 2018	2	25.53	79.32	7.9	33.89	8.3	22.3	0.58
C7	06 Aug 2018	3	25.53	79.34	7.9	33.89	8.3	22.3	0.57
C7	06 Aug 2018	4	25.32	79.84	8.0	33.90	8.3	22.4	0.63
C7	06 Aug 2018	5	24.90	79.95	8.4	33.88	8.3	22.5	0.74
C7	06 Aug 2018	6	24.57	79.10	8.8	33.86	8.3	22.6	0.91
C7	06 Aug 2018	7	23.66	79.04	9.2	33.85	8.3	22.9	1.12
C7	06 Aug 2018	8	22.69	78.67	9.3	33.85	8.3	23.1	1.26
C7	06 Aug 2018	9	19.98	78.64	10.3	33.80	8.3	23.9	1.53
C7	06 Aug 2018	10	18.84	79.49	10.5	33.69	8.3	24.1	1.75
C7	06 Aug 2018	11	18.54	79.47	10.3	33.66	8.3	24.1	1.91
C7	06 Aug 2018	12	17.91	79.80	10.0	33.64	8.3	24.3	2.13
C7	06 Aug 2018	13	17.70	80.04	9.9	33.63	8.2	24.3	2.23
C7	06 Aug 2018	14	17.64	80.35	9.8	33.62	8.2	24.3	2.17
C7	06 Aug 2018	15	17.39	80.09	9.5	33.63	8.2	24.4	2.19
C7	06 Aug 2018	16	17.36	80.24	9.2	33.63	8.2	24.4	2.22
C7	06 Aug 2018	17	16.85	80.47	8.1	33.66	8.2	24.5	1.88
C7	06 Aug 2018	18	16.33	81.65	7.9	33.60	8.1	24.6	0.93
C7	13 Aug 2018	1	24.11	84.15	7.5	33.79	8.2	22.7	0.52
C7	13 Aug 2018	2	24.05	84.24	7.3	33.78	8.2	22.7	0.58
C7	13 Aug 2018	3	22.59	82.90	7.5	33.75	8.2	23.1	0.98
C7	13 Aug 2018	4	21.09	81.26	7.9	33.70	8.2	23.5	1.50
C7	13 Aug 2018	5	19.45	80.09	8.3	33.66	8.2	23.9	2.10
C7	13 Aug 2018	6	18.34	79.35	8.3	33.61	8.2	24.1	2.11
C7	13 Aug 2018	7	17.49	81.09	8.3	33.60	8.2	24.3	1.67
C7	13 Aug 2018	8	16.99	83.63	8.1	33.57	8.2	24.4	1.32
C7	13 Aug 2018	9	16.16	84.57	8.1	33.55	8.2	24.6	1.06
C7	13 Aug 2018	10	15.56	84.93	8.3	33.54	8.2	24.7	1.11
C7	13 Aug 2018	11	15.41	85.35	8.3	33.52	8.2	24.7	1.17
C7	13 Aug 2018	12	15.34	85.65	8.2	33.53	8.2	24.8	1.23
C7	13 Aug 2018	13	15.31	85.31	8.2	33.53	8.2	24.8	1.25
C7	13 Aug 2018	14	15.27	85.40	8.1	33.53	8.2	24.8	1.21
C7	13 Aug 2018	15	15.24	85.64	8.1	33.54	8.2	24.8	1.08
C7	13 Aug 2018	16	15.27	85.78	8.1	33.55	8.2	24.8	1.06
C7	13 Aug 2018	17	15.14	86.24	8.0	33.55	8.2	24.8	0.79
C7	13 Aug 2018	18	15.12	85.84	8.0	33.55	8.2	24.8	0.68
C7	20 Aug 2018	1	23.70	87.33	7.6	33.80	8.2	22.8	0.31
C7	20 Aug 2018	2	23.71	87.56	7.6	33.80	8.2	22.8	0.30
C7	20 Aug 2018	3	23.71	87.63	7.6	33.80	8.2	22.8	0.31
C7	20 Aug 2018	4	23.70	87.59	7.6	33.80	8.2	22.8	0.36
C7	20 Aug 2018	5	23.68	87.44	7.6	33.80	8.2	22.8	0.35
C7	20 Aug 2018	6	23.39	87.13	7.6	33.81	8.2	22.9	0.37
C7	20 Aug 2018	7	23.18	86.57	7.7	33.79	8.2	23.0	0.52
C7	20 Aug 2018	8	22.94	85.59	7.8	33.78	8.2	23.0	0.64
C7	20 Aug 2018	9	22.56	84.83	7.8	33.77	8.2	23.1	0.87
C7	20 Aug 2018	10	21.37	84.32	7.9	33.77	8.2	23.5	1.04
C7	20 Aug 2018	11	19.00	83.65	8.6	33.67	8.2	24.0	1.26
C7	20 Aug 2018	12	18.19	83.25	8.8	33.62	8.2	24.2	1.49
C7	20 Aug 2018	13	18.05	82.01	8.5	33.60	8.2	24.2	1.79
C7	20 Aug 2018	14	17.73	80.91	8.0	33.59	8.2	24.3	2.21
C7	20 Aug 2018	15	17.35	82.23	7.5	33.60	8.1	24.4	1.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	20 Aug 2018	16	16.91	84.28	7.3	33.58	8.1	24.4	1.29
C7	20 Aug 2018	17	16.20	85.15	7.4	33.59	8.1	24.6	0.77
C7	20 Aug 2018	18	16.06	85.55	7.5	33.55	8.1	24.6	0.46
C7	27 Aug 2018	1	22.96	81.58	8.1	33.82	8.2	23.0	0.72
C7	27 Aug 2018	2	22.95	80.17	8.1	33.82	8.2	23.1	0.75
C7	27 Aug 2018	3	22.75	81.35	8.1	33.80	8.2	23.1	1.01
C7	27 Aug 2018	4	21.88	81.23	8.0	33.75	8.2	23.3	1.02
C7	27 Aug 2018	5	19.10	81.54	8.4	33.63	8.2	23.9	1.03
C7	27 Aug 2018	6	17.53	82.71	8.8	33.58	8.2	24.3	1.13
C7	27 Aug 2018	7	17.09	83.28	8.6	33.54	8.2	24.4	1.37
C7	27 Aug 2018	8	16.59	83.16	8.5	33.53	8.2	24.5	1.48
C7	27 Aug 2018	9	16.20	83.50	8.5	33.52	8.1	24.6	1.45
C7	27 Aug 2018	10	15.99	84.30	8.3	33.51	8.1	24.6	1.38
C7	27 Aug 2018	11	15.85	84.51	8.2	33.51	8.1	24.6	1.33
C7	27 Aug 2018	12	15.71	84.95	8.0	33.51	8.1	24.7	1.17
C7	27 Aug 2018	13	15.50	85.33	8.0	33.52	8.1	24.7	1.12
C7	27 Aug 2018	14	15.38	85.63	7.9	33.51	8.1	24.7	1.05
C7	27 Aug 2018	15	14.96	86.46	7.8	33.51	8.1	24.8	0.93
C7	27 Aug 2018	16	14.95	86.74	7.8	33.51	8.1	24.8	0.81
C7	27 Aug 2018	17	14.95	86.78	7.8	33.52	8.1	24.8	0.73
C7	27 Aug 2018	18	14.95	86.57	7.8	33.52	8.1	24.8	0.74
C7	27 Aug 2018	19	14.97	86.69	7.8	33.52	8.1	24.8	0.73
C8	06 Aug 2018	1	25.46	75.57	8.0	33.89	8.3	22.4	1.10
C8	06 Aug 2018	2	25.35	75.47	8.0	33.89	8.3	22.4	1.10
C8	06 Aug 2018	3	25.22	74.92	8.1	33.88	8.3	22.4	1.34
C8	06 Aug 2018	4	25.13	77.45	8.3	33.87	8.3	22.4	1.32
C8	06 Aug 2018	5	24.34	79.97	9.2	33.83	8.3	22.7	1.12
C8	06 Aug 2018	6	23.65	82.19	9.8	33.80	8.4	22.8	0.96
C8	06 Aug 2018	7	22.79	81.65	10.4	33.77	8.4	23.1	1.04
C8	06 Aug 2018	8	22.01	80.93	10.7	33.74	8.4	23.3	1.25
C8	06 Aug 2018	9	21.37	78.77	10.5	33.73	8.3	23.4	1.58
C8	06 Aug 2018	10	20.38	77.55	10.7	33.72	8.3	23.7	1.86
C8	06 Aug 2018	11	19.13	78.23	10.7	33.69	8.3	24.0	1.91
C8	06 Aug 2018	12	18.31	79.39	10.4	33.65	8.3	24.2	1.93
C8	06 Aug 2018	13	17.99	79.89	10.1	33.64	8.3	24.2	1.99
C8	06 Aug 2018	14	17.74	80.08	9.9	33.62	8.2	24.3	2.16
C8	06 Aug 2018	15	17.52	79.89	9.7	33.63	8.2	24.3	2.31
C8	06 Aug 2018	16	17.23	79.81	9.4	33.62	8.2	24.4	2.49
C8	06 Aug 2018	17	17.12	79.57	9.1	33.62	8.2	24.4	2.47
C8	06 Aug 2018	18	16.93	79.71	8.4	33.64	8.2	24.5	2.24
C8	06 Aug 2018	19	15.48	80.99	7.8	33.60	8.1	24.8	1.01
C8	13 Aug 2018	1	24.21	85.18	7.5	33.79	8.2	22.7	0.31
C8	13 Aug 2018	2	24.01	85.18	7.4	33.79	8.2	22.7	0.32
C8	13 Aug 2018	3	22.55	85.35	7.6	33.76	8.2	23.1	0.35
C8	13 Aug 2018	4	20.80	85.42	8.0	33.70	8.2	23.6	0.40
C8	13 Aug 2018	5	20.14	85.43	8.2	33.65	8.2	23.7	0.48
C8	13 Aug 2018	6	19.26	84.82	8.4	33.63	8.2	23.9	0.57
C8	13 Aug 2018	7	18.71	84.95	8.6	33.61	8.2	24.0	0.71
C8	13 Aug 2018	8	18.49	84.04	8.5	33.60	8.2	24.1	0.99
C8	13 Aug 2018	9	18.16	82.93	8.3	33.60	8.2	24.2	1.44
C8	13 Aug 2018	10	17.75	81.88	8.4	33.60	8.2	24.3	1.70
C8	13 Aug 2018	11	17.33	81.59	8.4	33.59	8.2	24.4	1.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	13 Aug 2018	12	16.83	83.61	8.4	33.58	8.2	24.5	1.47
C8	13 Aug 2018	13	16.02	84.40	8.3	33.56	8.3	24.6	1.46
C8	13 Aug 2018	14	15.48	85.08	8.2	33.55	8.3	24.7	1.02
C8	13 Aug 2018	15	15.49	84.81	8.1	33.53	8.2	24.7	0.79
C8	13 Aug 2018	16	15.28	83.72	8.0	33.54	8.2	24.8	0.60
C8	13 Aug 2018	17	15.28	83.97	8.0	33.55	8.2	24.8	0.52
C8	13 Aug 2018	18	15.28	83.91	7.9	33.55	8.2	24.8	0.50
C8	20 Aug 2018	1	23.75	83.86	7.5	33.82	8.2	22.8	0.23
C8	20 Aug 2018	2	23.75	87.48	7.5	33.82	8.2	22.8	0.27
C8	20 Aug 2018	3	23.75	87.60	7.5	33.82	8.2	22.8	0.30
C8	20 Aug 2018	4	23.75	87.66	7.5	33.82	8.2	22.8	0.30
C8	20 Aug 2018	5	23.75	87.70	7.5	33.82	8.2	22.8	0.33
C8	20 Aug 2018	6	23.72	87.63	7.5	33.82	8.2	22.8	0.35
C8	20 Aug 2018	7	23.58	86.99	7.6	33.81	8.2	22.9	0.50
C8	20 Aug 2018	8	23.02	85.48	7.7	33.78	8.2	23.0	0.71
C8	20 Aug 2018	9	22.82	84.03	7.6	33.76	8.2	23.0	0.79
C8	20 Aug 2018	10	20.69	83.39	8.1	33.70	8.2	23.6	1.07
C8	20 Aug 2018	11	19.55	82.71	8.1	33.65	8.2	23.8	1.46
C8	20 Aug 2018	12	18.51	81.67	8.3	33.60	8.2	24.1	1.84
C8	20 Aug 2018	13	18.28	80.95	8.1	33.59	8.2	24.1	2.16
C8	20 Aug 2018	14	17.61	80.29	7.8	33.58	8.2	24.3	2.24
C8	20 Aug 2018	15	17.59	81.16	7.7	33.58	8.2	24.3	2.09
C8	20 Aug 2018	16	17.49	81.44	7.5	33.59	8.1	24.3	1.90
C8	20 Aug 2018	17	17.36	82.83	7.4	33.59	8.1	24.3	1.53
C8	20 Aug 2018	18	16.84	83.94	7.2	33.58	8.1	24.5	1.10
C8	20 Aug 2018	19	16.10	84.14	7.4	33.55	8.1	24.6	0.67
C8	27 Aug 2018	1	22.98	81.19	8.0	33.81	8.2	23.0	0.85
C8	27 Aug 2018	2	22.38	80.76	8.3	33.77	8.2	23.2	0.99
C8	27 Aug 2018	3	21.97	80.72	8.6	33.74	8.2	23.3	1.14
C8	27 Aug 2018	4	21.45	80.61	8.6	33.72	8.2	23.4	1.10
C8	27 Aug 2018	5	21.04	80.87	8.5	33.70	8.2	23.5	1.19
C8	27 Aug 2018	6	19.34	81.09	8.5	33.64	8.2	23.9	1.18
C8	27 Aug 2018	7	17.46	82.34	8.7	33.57	8.2	24.3	1.23
C8	27 Aug 2018	8	16.64	82.93	8.8	33.53	8.2	24.5	1.25
C8	27 Aug 2018	9	16.48	83.66	8.6	33.52	8.2	24.5	1.42
C8	27 Aug 2018	10	16.24	83.81	8.3	33.52	8.1	24.6	1.56
C8	27 Aug 2018	11	15.99	83.76	8.2	33.52	8.1	24.6	1.56
C8	27 Aug 2018	12	15.51	84.50	8.1	33.51	8.1	24.7	1.40
C8	27 Aug 2018	13	15.37	85.02	8.1	33.51	8.1	24.7	1.27
C8	27 Aug 2018	14	15.39	85.07	8.1	33.51	8.1	24.7	1.26
C8	27 Aug 2018	15	15.16	85.40	8.0	33.51	8.1	24.8	1.19
C8	27 Aug 2018	16	14.94	85.70	7.9	33.51	8.1	24.8	1.12
C8	27 Aug 2018	17	15.01	85.70	7.8	33.51	8.1	24.8	1.03
C8	27 Aug 2018	18	14.89	86.20	7.8	33.52	8.1	24.9	0.86
C8	27 Aug 2018	19	14.88	86.44	7.7	33.52	8.1	24.9	0.76
C8	27 Aug 2018	20	14.88	86.47	7.7	33.53	8.1	24.9	0.71

NA = not available

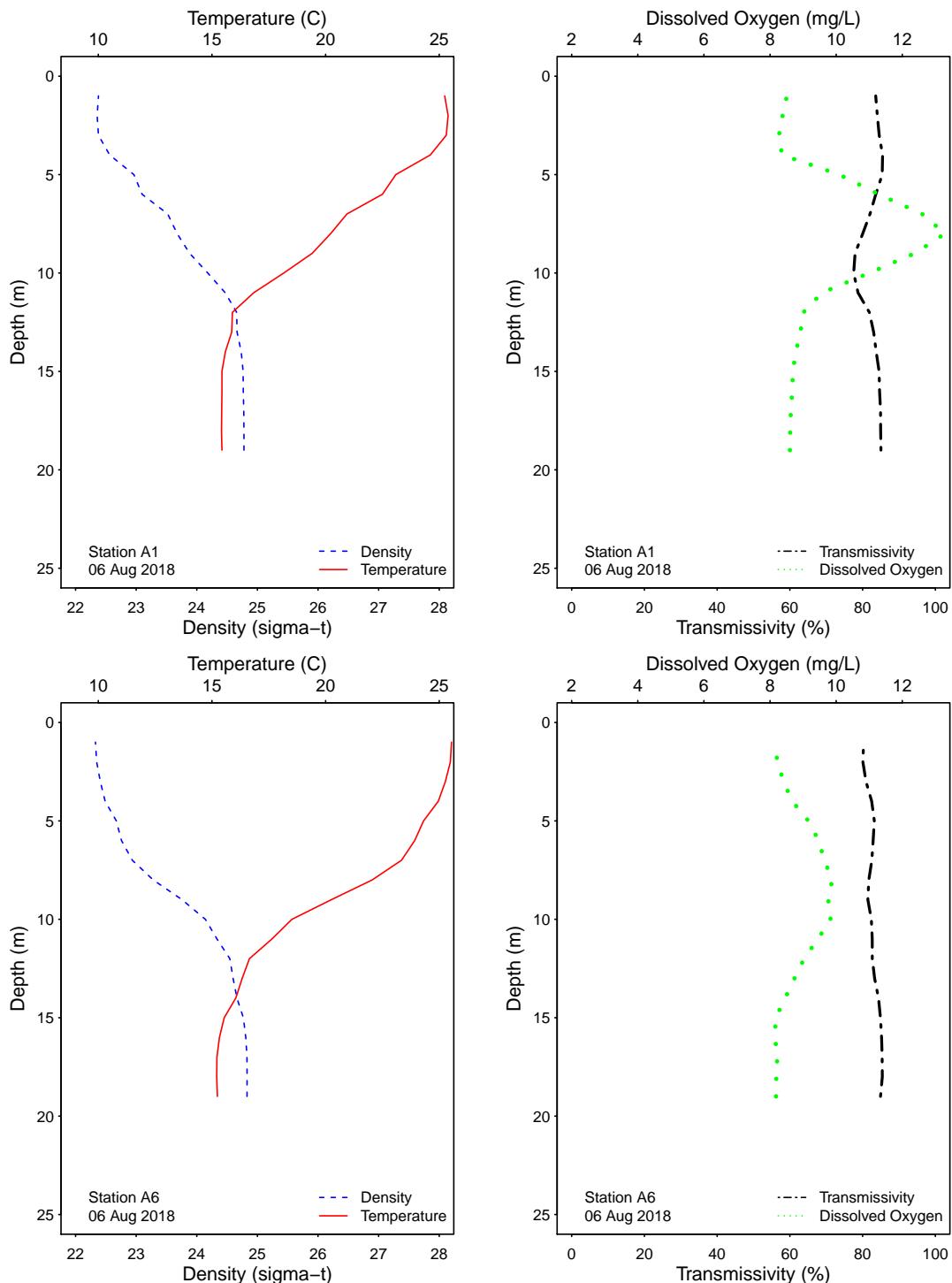


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

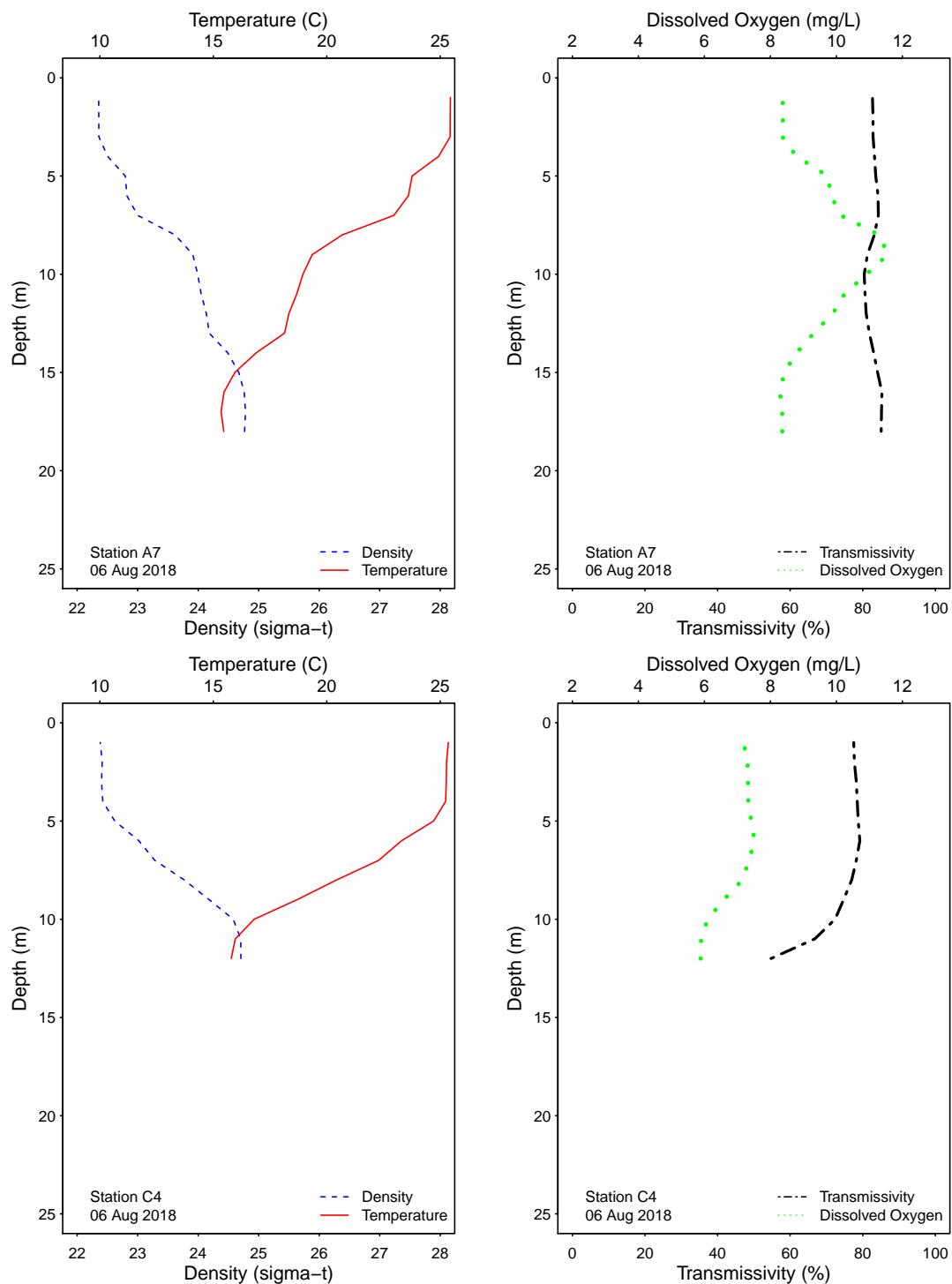


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

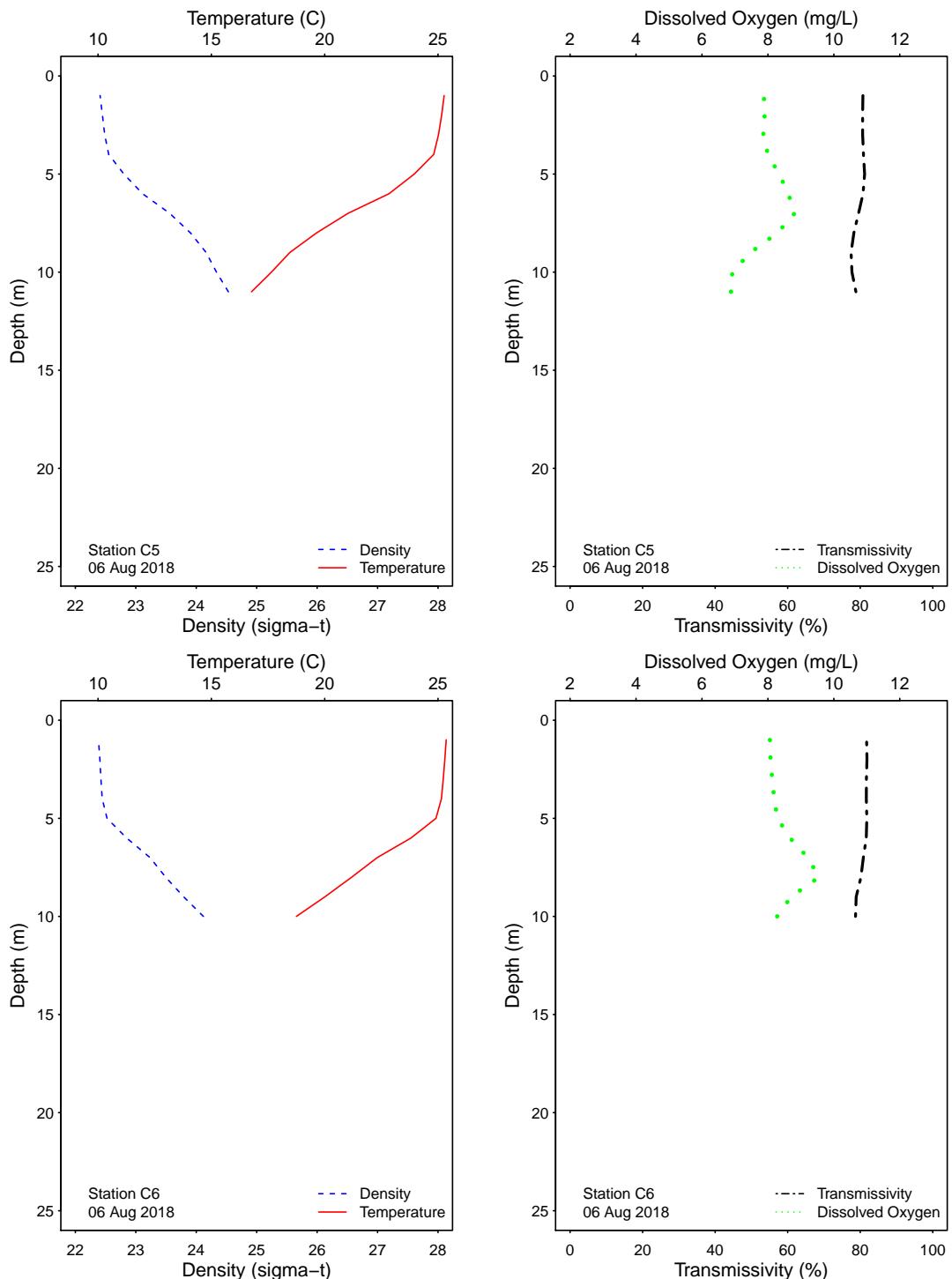


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

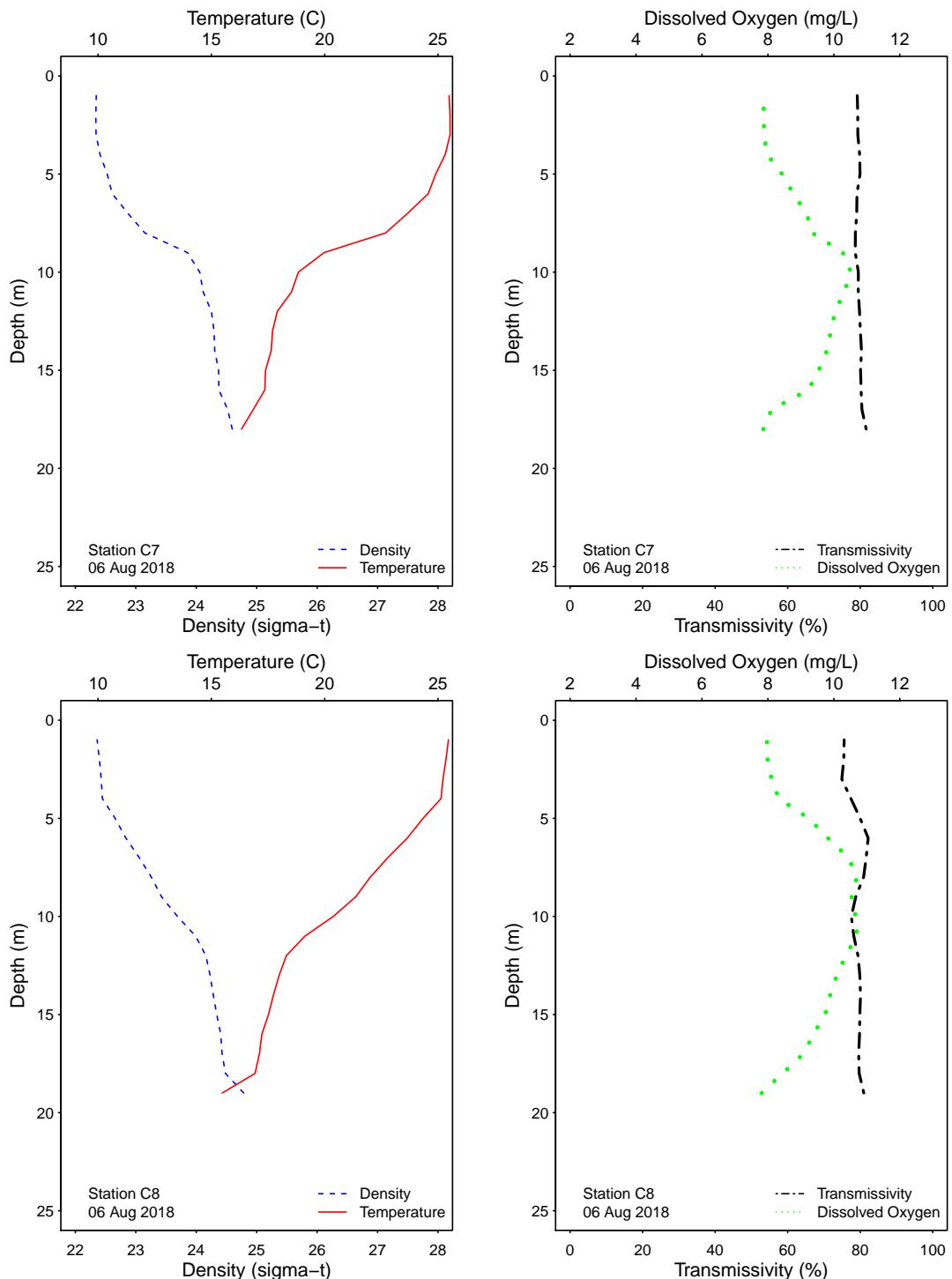


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

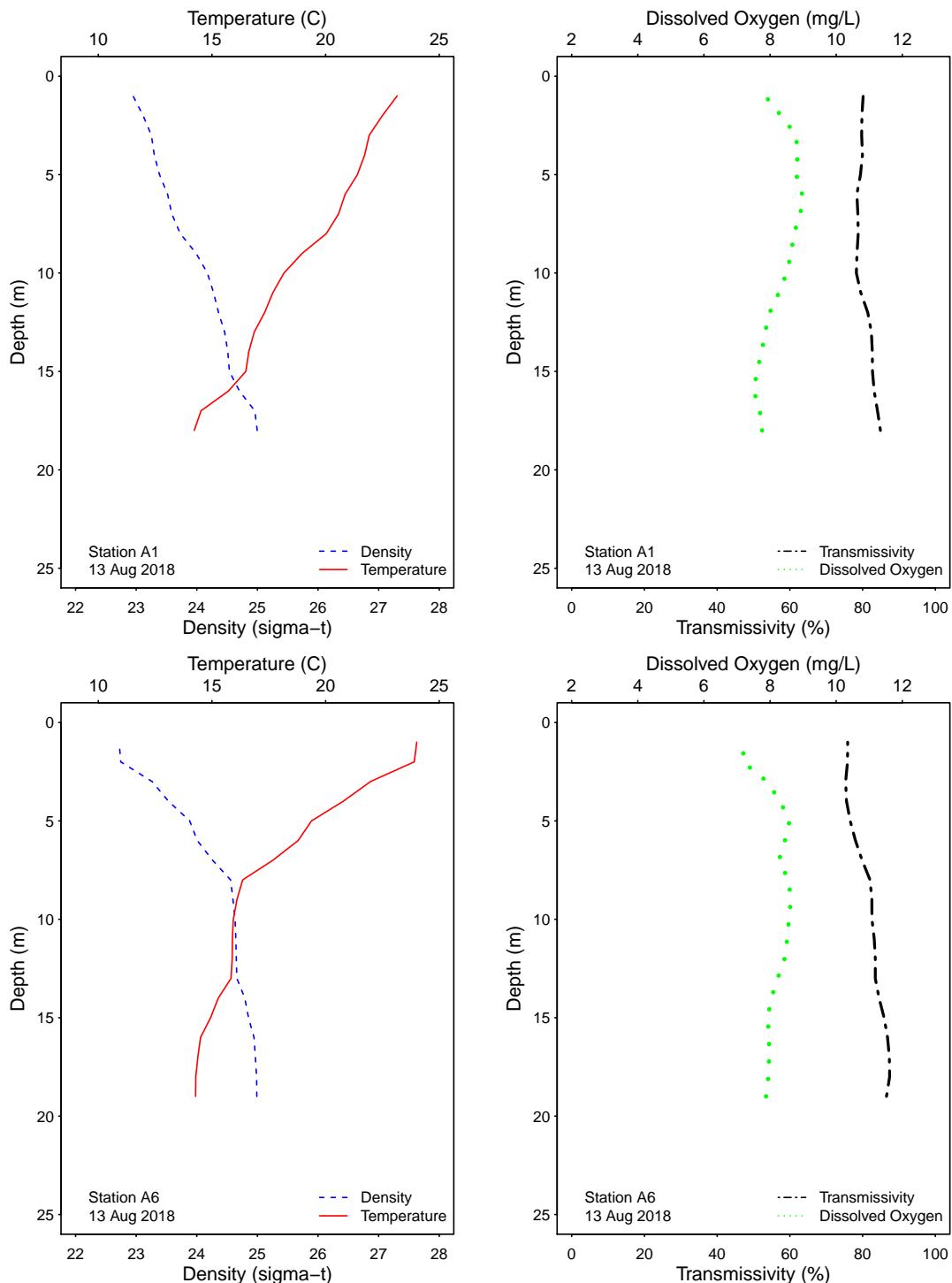


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

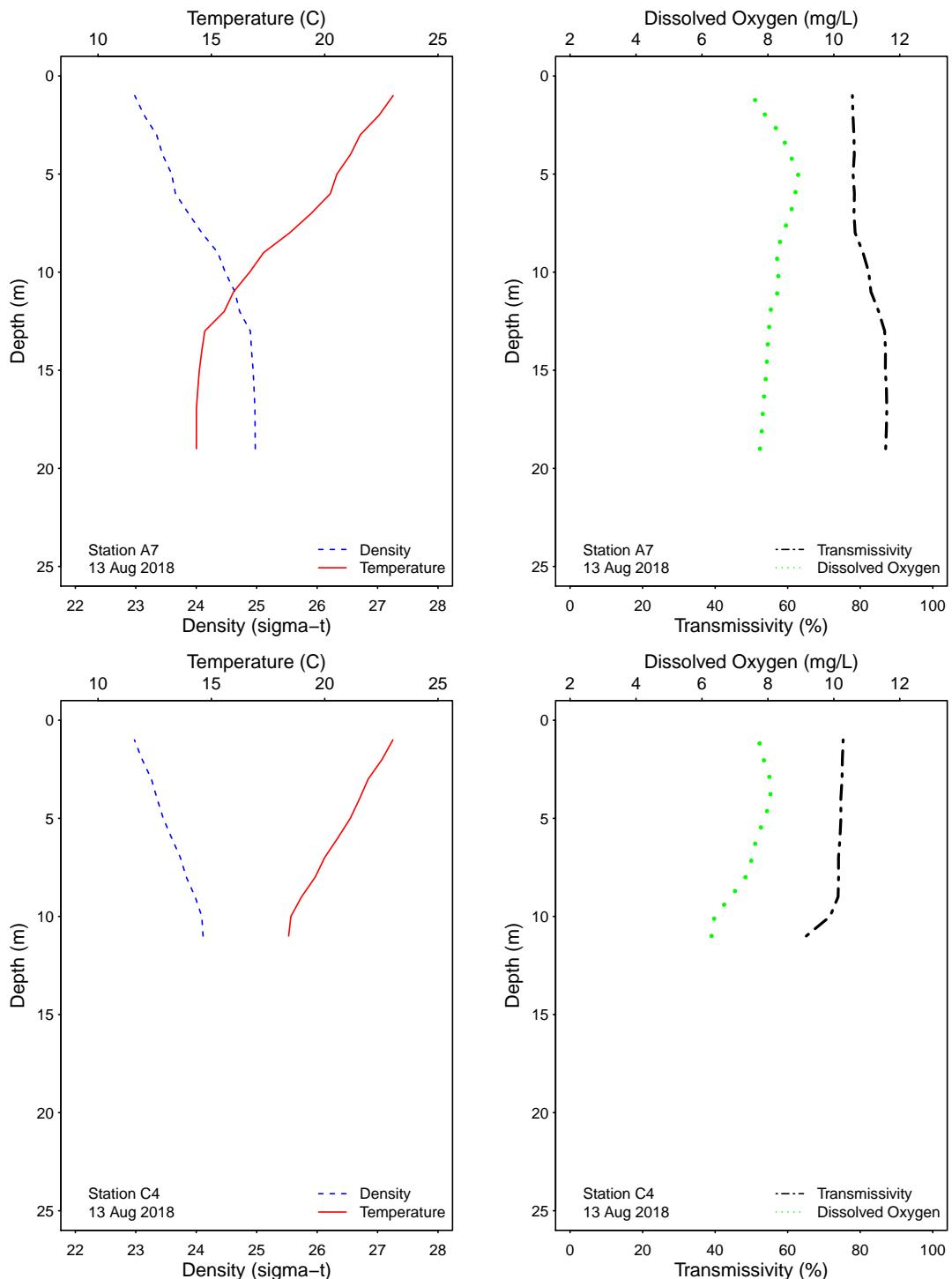


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

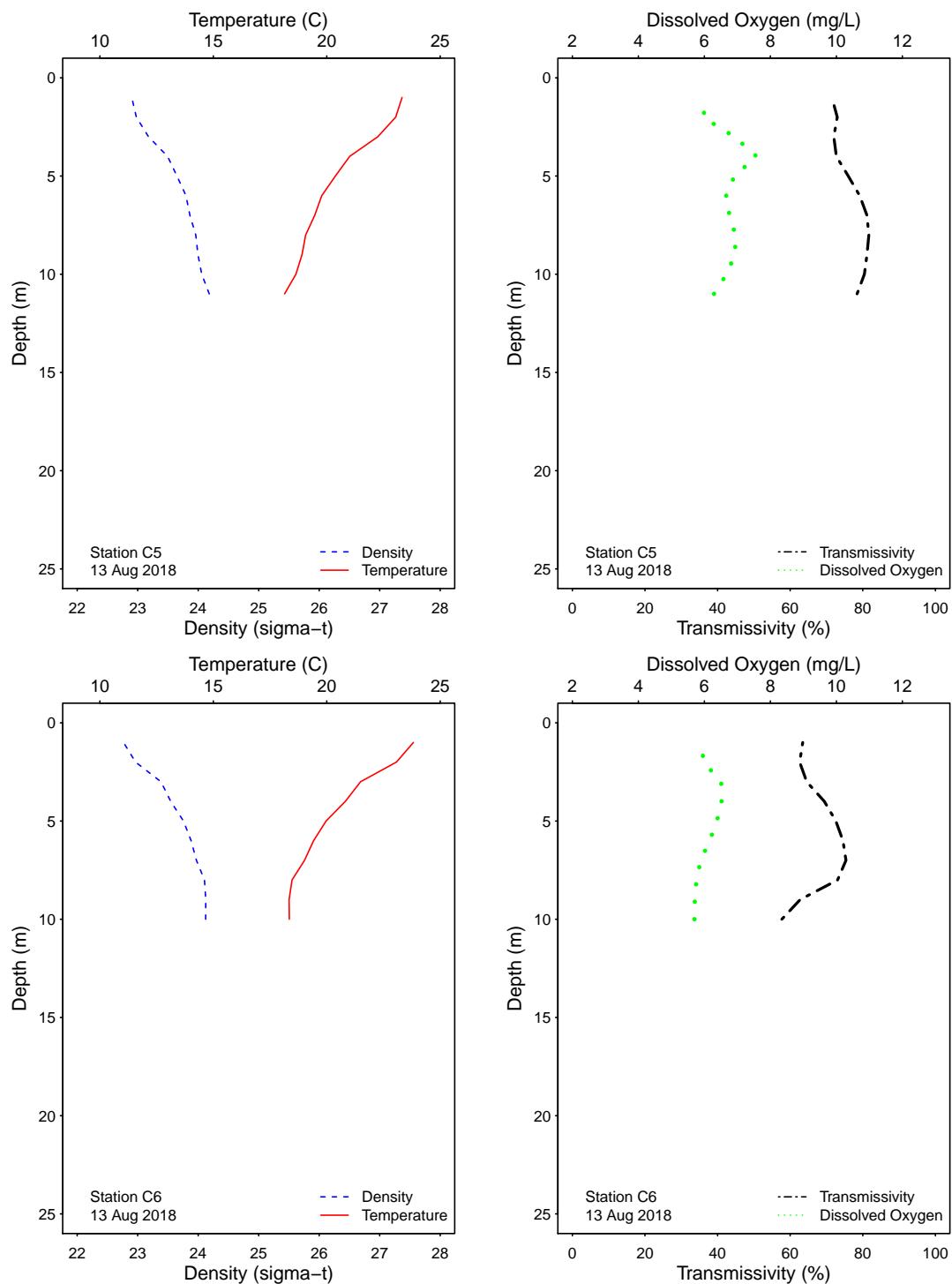


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

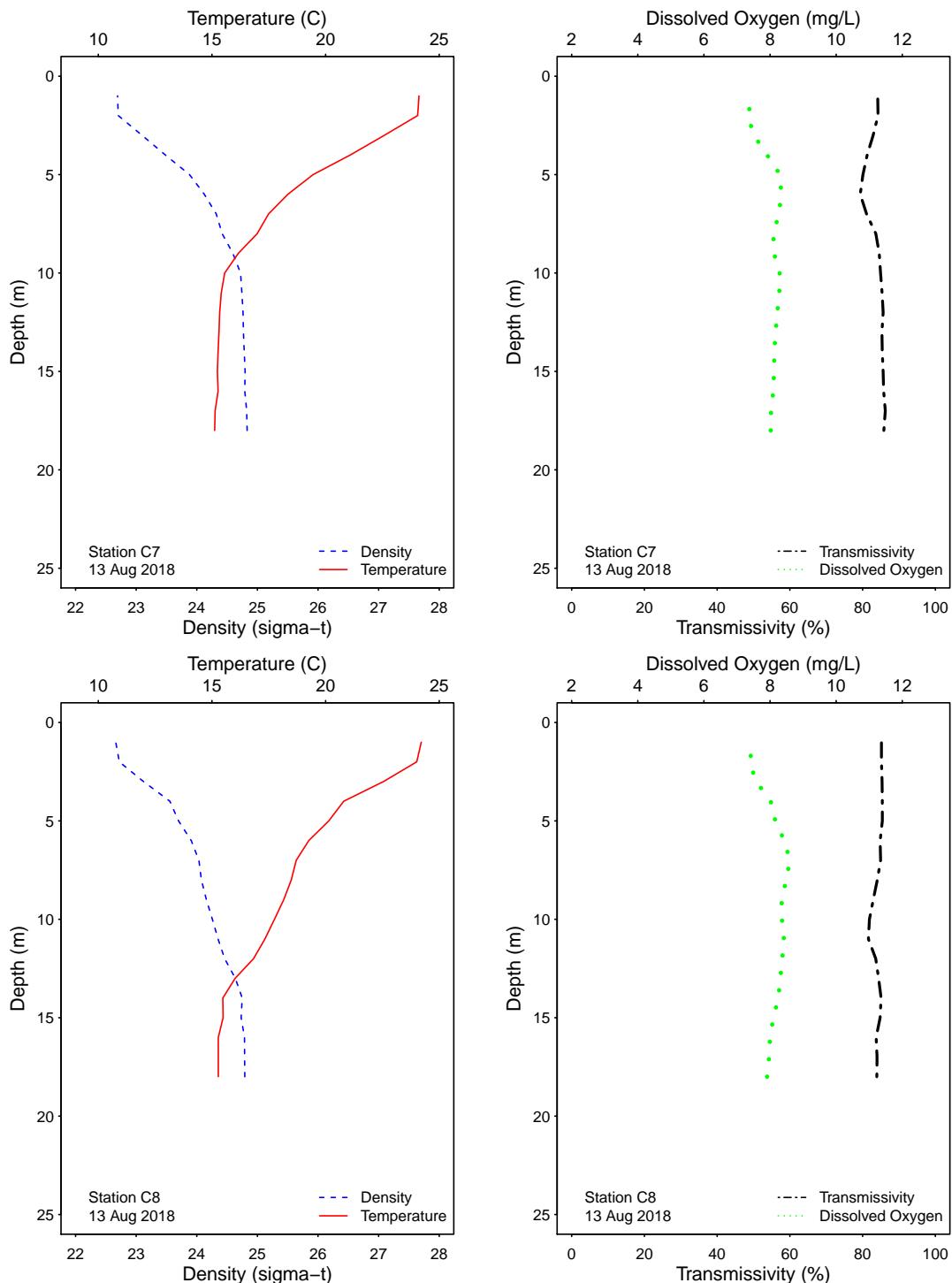


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

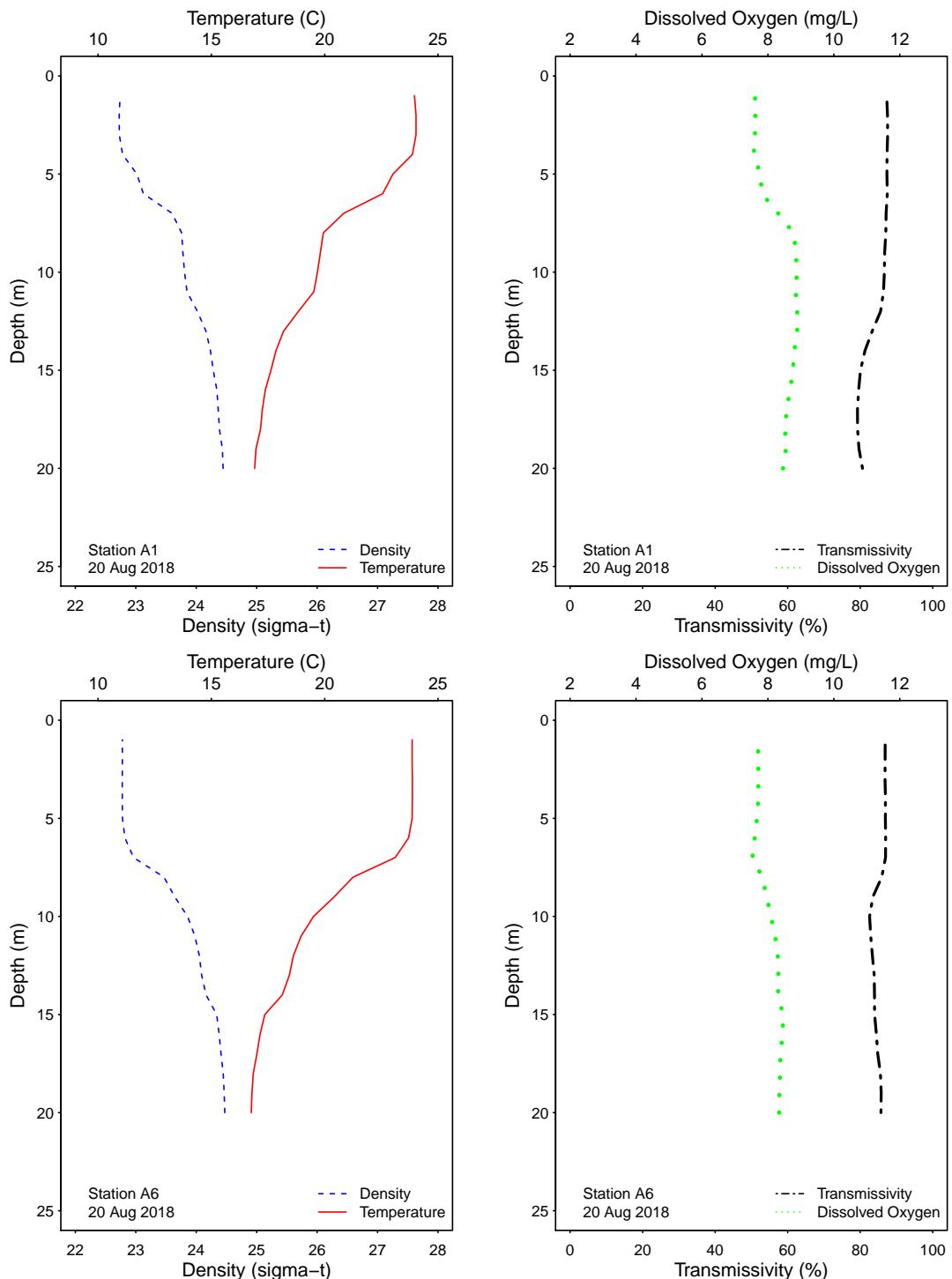


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

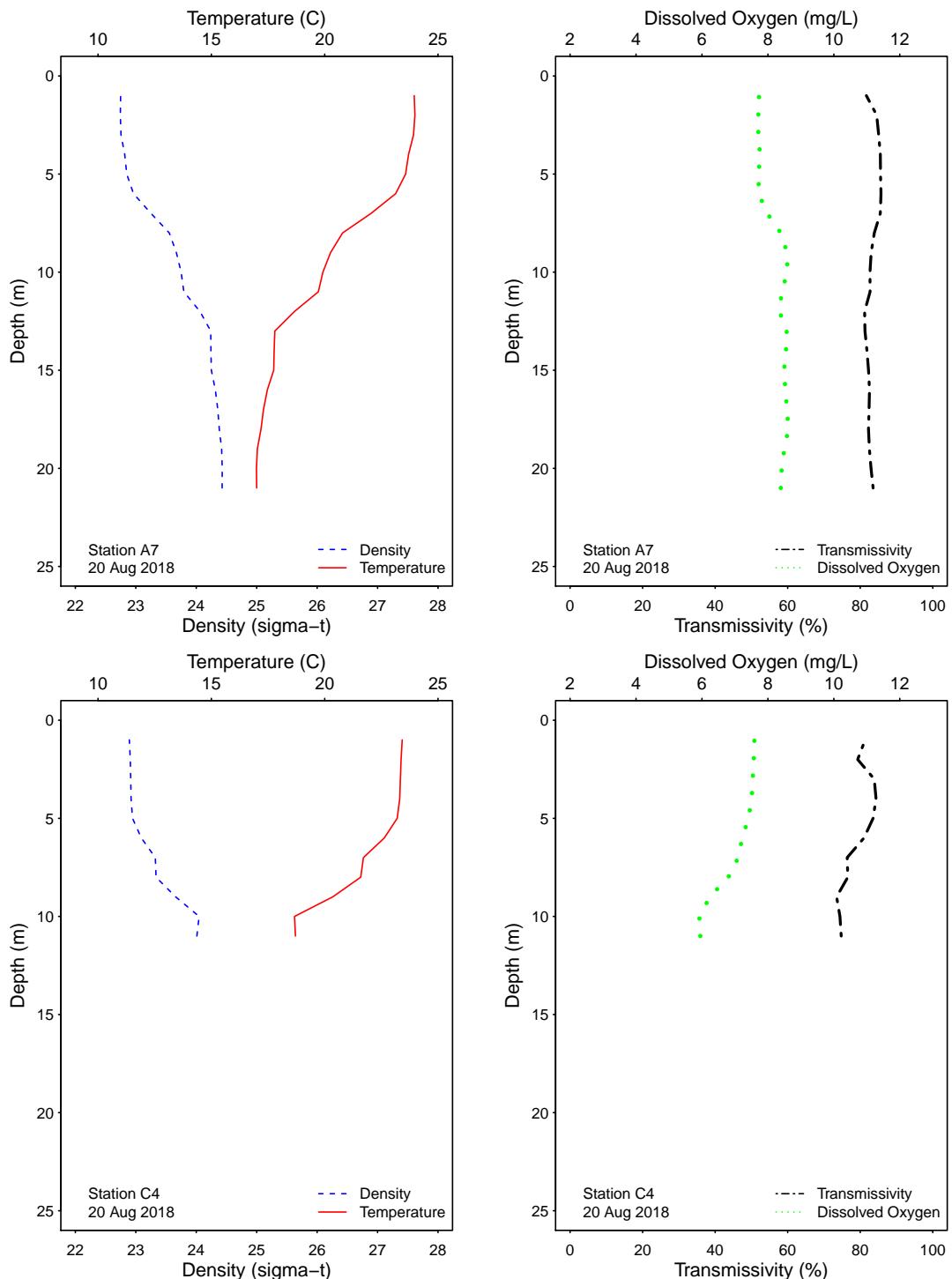


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

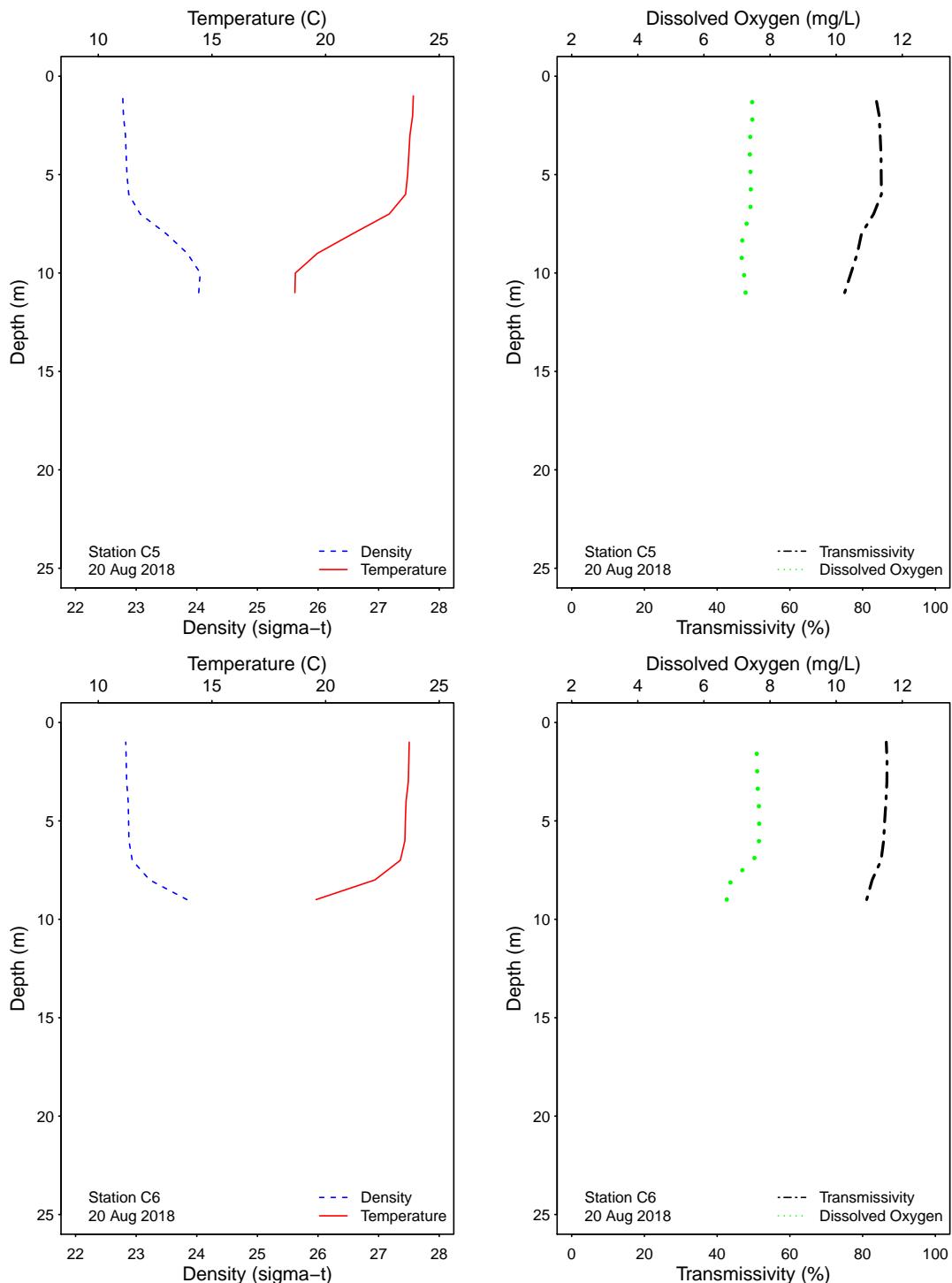


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

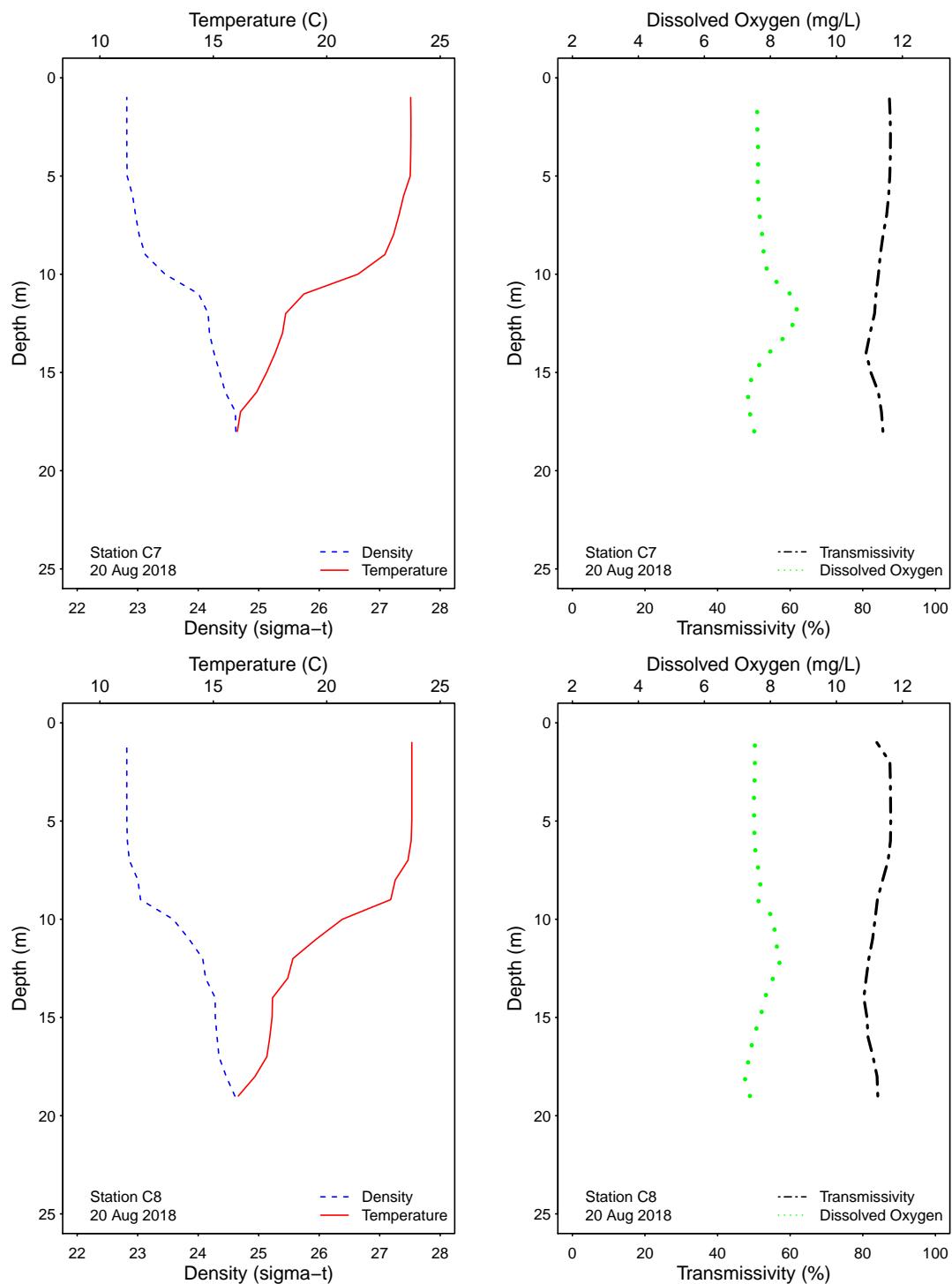


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

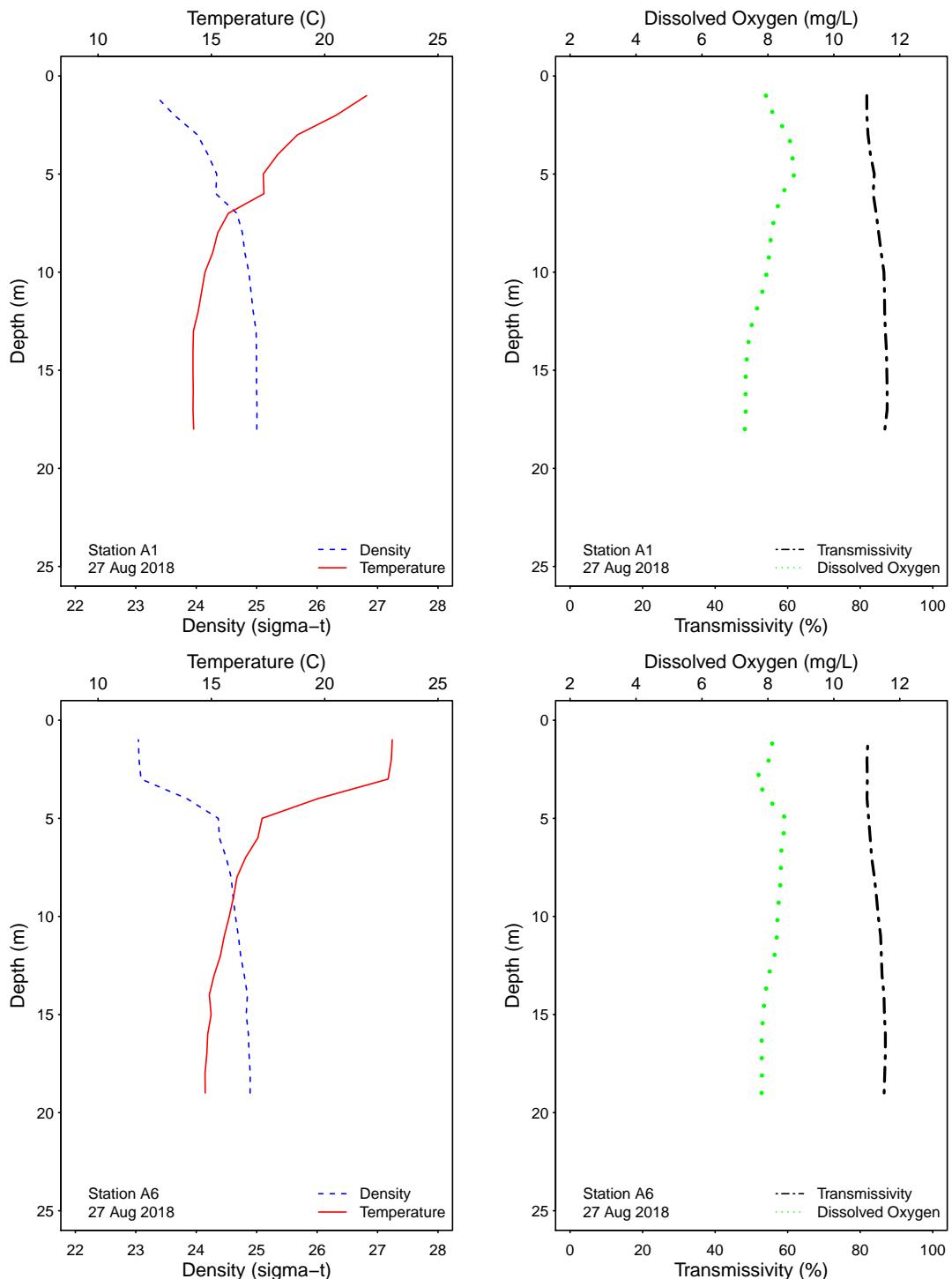


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

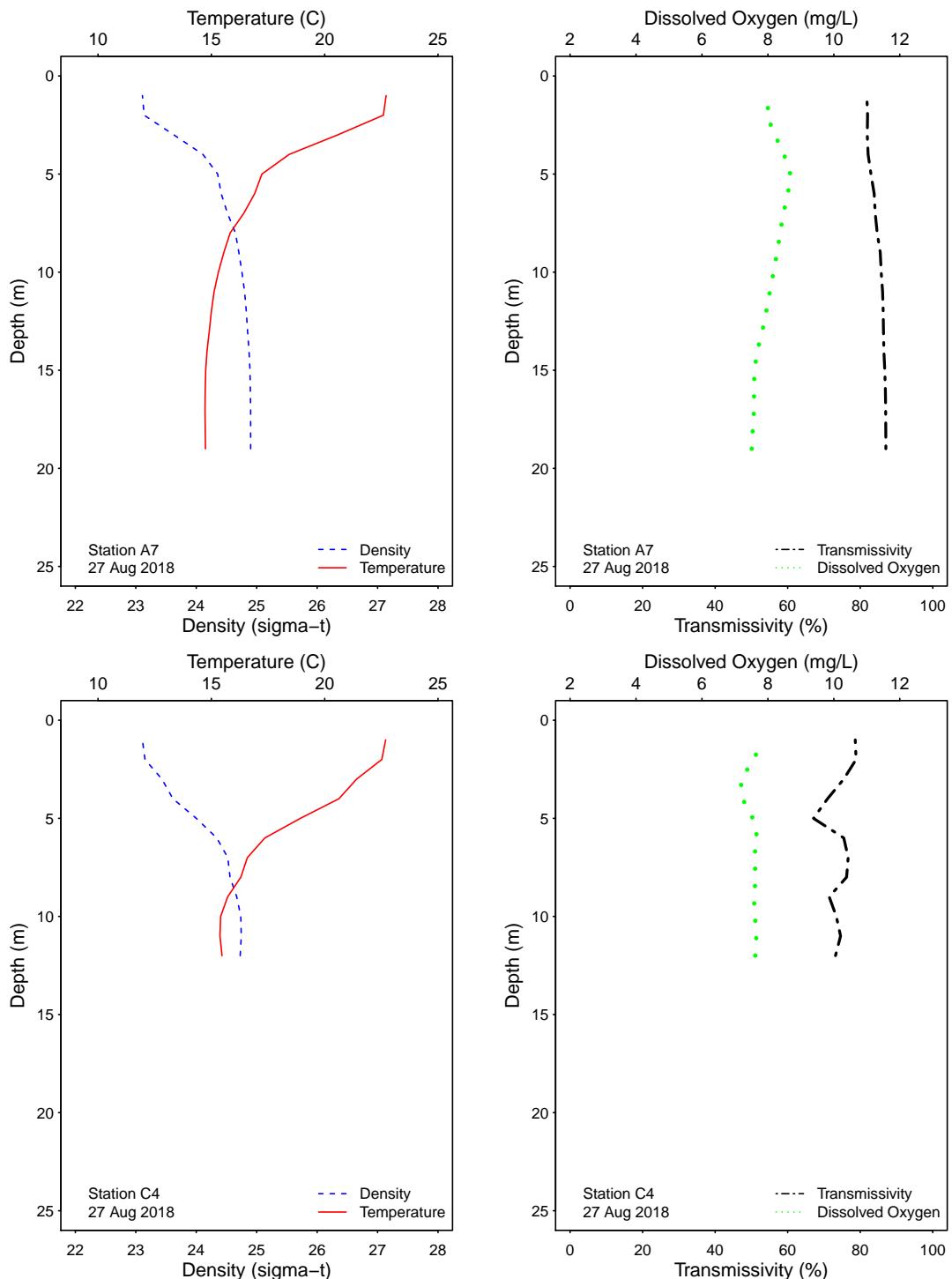


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

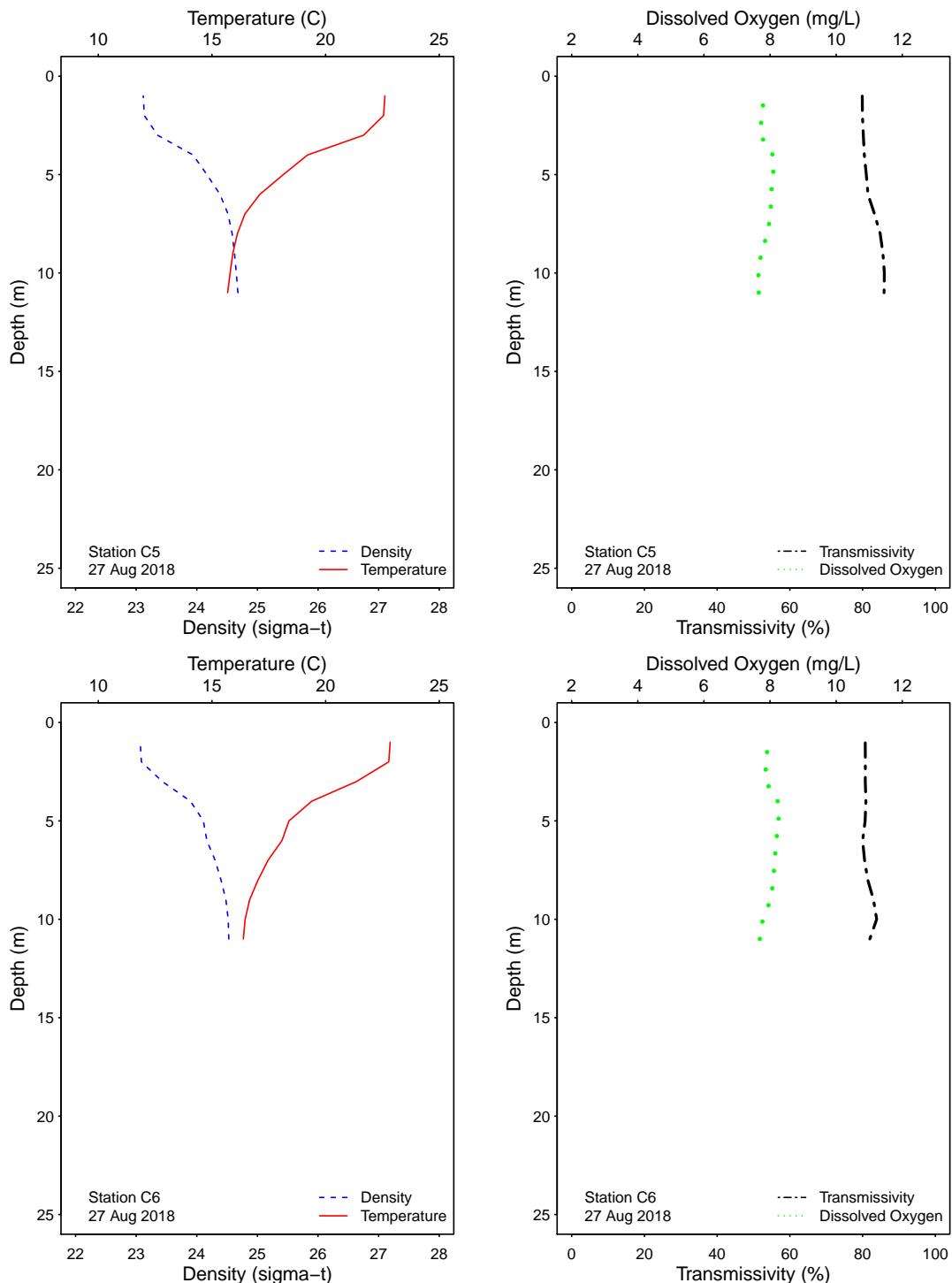


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

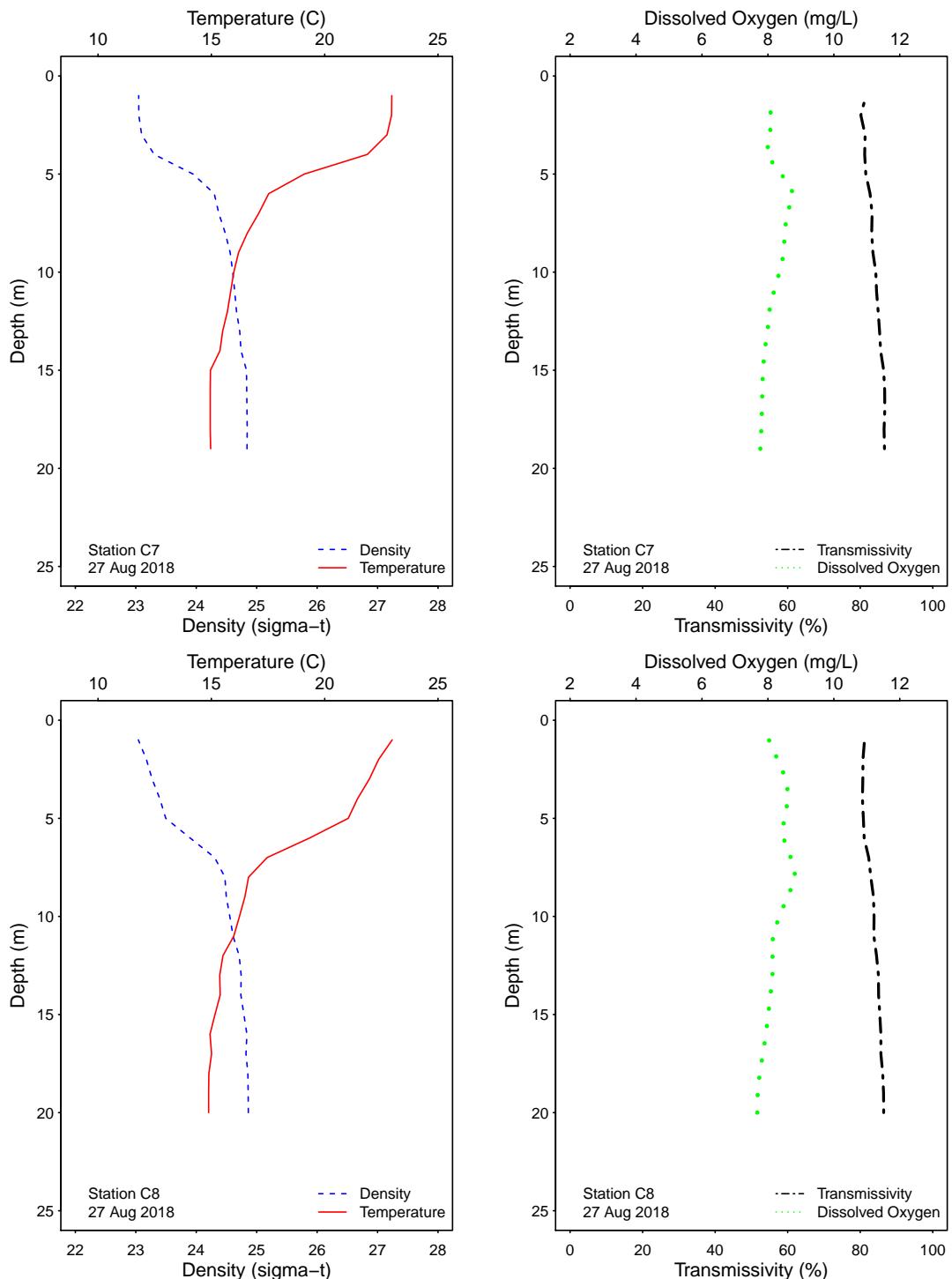


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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Offshore Stations

Table 4.1

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

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
28 Aug 2018	IC	ns	ns	ns											
29 Aug 2018	ns	E	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* (Enter) 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	Enter	Temp	XMS	DO	Sal	pH
F01	28 Aug 2018	1230	1	2e	21.4	73.24	8.2	33.73	8.3
F01	28 Aug 2018	1230	12	<2	15.8	81.82	8.2	33.54	8.2
F01	28 Aug 2018	1230	18	<2	14.1	87.02	7.5	33.52	8.1
F02	28 Aug 2018	820	1	<2	22.4	79.26	8.1	33.78	8.2
F02	28 Aug 2018	820	12	<2	16.6	82.75	8.3	33.56	8.2
F02	28 Aug 2018	820	18	<2	14.6	84.84	8.1	33.52	8.1
F03	28 Aug 2018	909	1	<2	22.3	78.65	8.1	33.78	8.2
F03	28 Aug 2018	909	12	<2	16.3	82.77	8.4	33.55	8.2
F03	28 Aug 2018	909	18	<2	15.5	81.57	8.1	33.54	8.1
F04	28 Aug 2018	1202	1	<2	23.9	85.60	7.7	33.84	8.3
F04	28 Aug 2018	1202	25	<2	14.7	86.14	8.3	33.53	8.2
F04	28 Aug 2018	1202	60	<2	12.4	88.56	6.1	33.55	8.0
F05	28 Aug 2018	1150	1	<2	23.8	85.56	7.6	33.84	8.3
F05	28 Aug 2018	1150	25	<2	15.0	85.77	8.4	33.53	8.2
F05	28 Aug 2018	1150	60	<2	12.3	87.73	6.0	33.56	8.0
F06	28 Aug 2018	1130	1	<2	22.9	84.74	7.9	33.82	8.3
F06	28 Aug 2018	1130	25	<2	14.6	84.85	8.3	33.53	8.2
F06	28 Aug 2018	1130	60	<2	12.3	87.94	5.9	33.56	8.0
F07	28 Aug 2018	1118	1	<2	23.4	82.11	8.0	33.83	8.3
F07	28 Aug 2018	1118	25	<2	14.5	84.61	8.2	33.53	8.2
F07	28 Aug 2018	1118	60	12e	12.1	87.55	5.7	33.56	8.0
F08	28 Aug 2018	1103	1	<2	22.9	71.82	8.1	33.81	8.3
F08	28 Aug 2018	1103	25	<2	13.8	88.97	7.3	33.53	8.1
F08	28 Aug 2018	1103	60	34e	12.2	86.07	5.6	33.54	7.9
F09	28 Aug 2018	1050	1	<2	22.8	80.86	8.1	33.80	8.3
F09	28 Aug 2018	1050	25	<2	13.8	88.38	7.4	33.53	8.1
F09	28 Aug 2018	1050	60	54	12.2	86.09	5.6	33.55	7.9
F10	28 Aug 2018	1034	1	<2	22.5	79.84	8.0	33.81	8.3
F10	28 Aug 2018	1034	25	<2	13.7	88.97	7.3	33.53	8.1
F10	28 Aug 2018	1034	60	16e	12.4	84.80	5.5	33.55	7.9
F11	28 Aug 2018	1018	1	<2	22.3	80.60	8.2	33.79	8.3
F11	28 Aug 2018	1018	25	<2	13.8	88.37	7.5	33.53	8.1
F11	28 Aug 2018	1018	60	16e	12.5	84.53	5.5	33.55	7.9
F12	28 Aug 2018	1002	1	<2	23.5	83.63	7.9	33.84	8.3
F12	28 Aug 2018	1002	25	<2	14.4	85.53	8.0	33.53	8.2
F12	28 Aug 2018	1002	60	6e	12.4	86.33	5.5	33.55	7.9

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F13	28 Aug 2018	944	1	<2	23.4	83.87	7.8	33.83	8.3
F13	28 Aug 2018	944	25	<2	14.4	85.94	7.9	33.53	8.1
F13	28 Aug 2018	944	60	10e	12.5	85.56	5.5	33.54	7.9
F14	28 Aug 2018	929	1	<2	23.6	84.72	7.7	33.83	8.3
F14	28 Aug 2018	929	25	<2	14.0	88.44	7.5	33.53	8.1
F14	28 Aug 2018	929	60	4e	12.3	85.01	5.4	33.54	7.9
F15	29 Aug 2018	1118	1	<2	23.7	83.57	7.8	33.85	8.3
F15	29 Aug 2018	1118	25	<2	15.9	86.95	8.7	33.53	8.2
F15	29 Aug 2018	1118	60	<2	12.7	89.53	6.6	33.55	8.1
F15	29 Aug 2018	1118	80	<2	11.3	87.68	5.2	33.64	7.9
F16	29 Aug 2018	1107	1	<2	23.1	83.96	7.9	33.81	8.3
F16	29 Aug 2018	1107	25	<2	15.4	85.59	8.7	33.52	8.2
F16	29 Aug 2018	1107	60	<2	12.4	89.38	6.3	33.55	8.0
F16	29 Aug 2018	1107	80	<2	11.4	86.54	5.2	33.62	7.9
F17	29 Aug 2018	1050	1	<2	22.9	83.07	8.0	33.80	8.3
F17	29 Aug 2018	1050	25	<2	15.9	85.43	8.8	33.52	8.2
F17	29 Aug 2018	1050	60	<2	12.5	89.55	6.2	33.55	8.0
F17	29 Aug 2018	1050	80	40	11.1	87.23	5.0	33.64	7.9
F18	29 Aug 2018	1038	1	<2	22.0	83.78	8.1	33.74	8.2
F18	29 Aug 2018	1038	25	4e	14.3	85.08	8.0	33.52	8.1
F18	29 Aug 2018	1038	60	28e	12.2	88.22	5.6	33.54	8.0
F18	29 Aug 2018	1038	80	120e	11.2	86.42	5.0	33.62	7.9
F19	29 Aug 2018	1024	1	<2	23.3	80.39	7.8	33.81	8.3
F19	29 Aug 2018	1024	25	<2	14.2	85.72	7.8	33.53	8.1
F19	29 Aug 2018	1024	60	12e	12.1	88.17	5.4	33.50	7.9
F19	29 Aug 2018	1024	80	10e	11.2	87.60	5.0	33.63	7.9
F20	29 Aug 2018	1005	1	<2	23.2	82.99	7.9	33.82	8.3
F20	29 Aug 2018	1005	25	<2	14.2	85.59	7.9	33.53	8.1
F20	29 Aug 2018	1005	60	12e	12.1	88.28	5.5	33.51	7.9
F20	29 Aug 2018	1005	80	14e	11.5	87.34	5.1	33.61	7.9
F21	29 Aug 2018	951	1	<2	23.6	80.55	7.9	33.84	8.3
F21	29 Aug 2018	951	25	<2	14.7	85.80	8.3	33.52	8.2
F21	29 Aug 2018	951	60	54	12.1	88.90	5.5	33.54	7.9
F21	29 Aug 2018	951	80	16e	11.5	87.14	5.1	33.60	7.9
F22	29 Aug 2018	938	1	<2	23.6	79.84	8.0	33.85	8.3
F22	29 Aug 2018	938	25	<2	14.3	85.82	8.0	33.52	8.2
F22	29 Aug 2018	938	60	14e	12.3	89.50	6.0	33.54	8.0
F22	29 Aug 2018	938	80	8e	11.6	87.94	5.3	33.59	7.9
F23	29 Aug 2018	910	1	<2	23.7	82.44	7.9	33.85	8.3
F23	29 Aug 2018	910	25	<2	15.3	86.09	8.6	33.52	8.2
F23	29 Aug 2018	910	60	14e	12.2	87.98	5.5	33.55	7.9
F23	29 Aug 2018	910	80	22e	11.6	86.29	5.2	33.59	7.9
F24	29 Aug 2018	855	1	<2	23.7	58.05	7.8	33.70	8.3
F24	29 Aug 2018	855	25	<2	15.4	86.56	8.6	33.52	8.2

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F24	29 Aug 2018	855	60	<2	12.2	88.12	5.6	33.56	7.9
F24	29 Aug 2018	855	80	2e	11.8	85.33	5.1	33.59	7.9
F25	29 Aug 2018	830	1	<2	23.7	80.60	7.8	33.86	8.3
F25	29 Aug 2018	830	25	<2	15.5	87.63	8.6	33.52	8.2
F25	29 Aug 2018	830	60	4e	12.3	89.43	5.8	33.55	7.9
F25	29 Aug 2018	830	80	2e	11.7	84.99	5.1	33.59	7.9
F26	30 Aug 2018	1151	1	<2	23.4	82.79	7.9	33.82	8.3
F26	30 Aug 2018	1151	25	<2	16.0	88.50	8.7	33.52	8.2
F26	30 Aug 2018	1151	60	8e	12.9	89.28	6.7	33.54	8.0
F26	30 Aug 2018	1151	80	6e	12.1	88.83	5.7	33.56	7.9
F26	30 Aug 2018	1151	98	<2	10.8	88.12	4.8	33.68	7.8
F27	30 Aug 2018	1135	1	<2	23.5	82.33	7.9	33.83	8.3
F27	30 Aug 2018	1135	25	<2	16.1	88.65	8.7	33.53	8.2
F27	30 Aug 2018	1135	60	<2	13.0	89.06	6.8	33.54	8.0
F27	30 Aug 2018	1135	80	100	12.0	88.10	5.4	33.51	7.9
F27	30 Aug 2018	1135	98	22e	10.8	87.77	4.7	33.68	7.8
F28	30 Aug 2018	1121	1	<2	23.4	81.01	8.0	33.83	8.3
F28	30 Aug 2018	1121	25	<2	15.9	88.52	8.6	33.53	8.2
F28	30 Aug 2018	1121	60	2e	12.8	89.42	6.6	33.54	8.0
F28	30 Aug 2018	1121	80	280e	11.7	87.12	5.1	33.53	7.9
F28	30 Aug 2018	1121	98	10e	10.8	89.16	4.8	33.67	7.8
F29	30 Aug 2018	1105	1	<2	23.2	81.63	8.0	33.81	8.3
F29	30 Aug 2018	1105	25	<2	15.5	88.24	8.6	33.52	8.2
F29	30 Aug 2018	1105	60	12e	12.5	89.65	6.4	33.54	8.0
F29	30 Aug 2018	1105	80	70	11.7	88.98	5.4	33.57	7.9
F29	30 Aug 2018	1105	98	4e	10.7	88.29	4.6	33.70	7.8
F30	30 Aug 2018	1053	1	<2	23.2	78.13	8.0	33.81	8.3
F30	30 Aug 2018	1053	25	<2	14.5	87.48	8.4	33.53	8.2
F30	30 Aug 2018	1053	60	<2	12.2	89.33	5.6	33.54	7.9
F30	30 Aug 2018	1053	80	<2	11.6	89.50	5.4	33.59	7.9
F30	30 Aug 2018	1053	98	<2	10.6	88.44	4.6	33.71	7.8
F31	30 Aug 2018	1026	1	<2	23.1	78.43	8.1	33.81	8.3
F31	30 Aug 2018	1026	25	<2	15.0	87.84	8.5	33.52	8.2
F31	30 Aug 2018	1026	60	4e	12.2	89.29	5.6	33.55	7.9
F31	30 Aug 2018	1026	80	10e	11.7	89.18	5.2	33.58	7.9
F31	30 Aug 2018	1026	98	<2	10.5	89.00	4.5	33.72	7.8
F32	30 Aug 2018	1008	1	<2	23.2	79.28	8.0	33.82	8.3
F32	30 Aug 2018	1008	25	<2	15.3	87.65	8.5	33.52	8.2
F32	30 Aug 2018	1008	60	<2	12.3	89.51	5.7	33.55	7.9
F32	30 Aug 2018	1008	80	8e	11.7	88.48	5.3	33.58	7.9
F32	30 Aug 2018	1008	98	<2	10.7	89.13	4.6	33.69	7.8
F33	30 Aug 2018	947	1	<2	23.2	81.68	8.1	33.82	8.3
F33	30 Aug 2018	947	25	<2	15.4	87.71	8.6	33.53	8.2
F33	30 Aug 2018	947	60	<2	12.3	89.36	5.6	33.52	7.9
F33	30 Aug 2018	947	80	2e	11.6	89.41	5.3	33.59	7.9
F33	30 Aug 2018	947	98	<2	10.6	89.49	4.5	33.70	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F34	30 Aug 2018	930	1	<2	23.3	81.08	8.0	33.83	8.3
F34	30 Aug 2018	930	25	<2	15.5	87.75	8.6	33.53	8.2
F34	30 Aug 2018	930	60	<2	12.6	89.53	6.1	33.54	7.9
F34	30 Aug 2018	930	80	<2	11.7	89.59	5.3	33.59	7.9
F34	30 Aug 2018	930	98	<2	10.6	88.47	4.5	33.71	7.8
F35	30 Aug 2018	915	1	<2	23.6	78.50	8.0	33.84	8.3
F35	30 Aug 2018	915	25	<2	15.5	87.96	8.6	33.53	8.2
F35	30 Aug 2018	915	60	<2	12.5	89.64	6.3	33.55	8.0
F35	30 Aug 2018	915	80	<2	11.5	89.67	5.2	33.60	7.8
F35	30 Aug 2018	915	98	<2	10.6	89.02	4.8	33.69	7.8
F36	30 Aug 2018	844	1	<2	23.7	82.93	8.0	33.86	8.3
F36	30 Aug 2018	844	25	<2	15.9	89.02	8.7	33.51	8.2
F36	30 Aug 2018	844	60	<2	12.4	89.72	6.5	33.55	8.0
F36	30 Aug 2018	844	80	2e	11.4	89.74	5.3	33.61	7.9
F36	30 Aug 2018	844	98	<2	10.7	89.10	4.9	33.67	7.8

ns = not sampled

ND = no data

Table 4.3

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

Station	Date	Parameter	Value
F01	28 Aug 2018	Depth (m)	20
F01	28 Aug 2018	Arrive Time	1230
F01	28 Aug 2018	Depart Time	1236
F01	28 Aug 2018	Air Temp (C)	21
F01	28 Aug 2018	Weather	Haze
F01	28 Aug 2018	Visibility (mi)	9
F01	28 Aug 2018	Wind Speed (kts)	8
F01	28 Aug 2018	Wind Dir	NW
F01	28 Aug 2018	Water Color	Bluish-Green
F01	28 Aug 2018	Wave Ht Low (ft)	3
F01	28 Aug 2018	Wave Period (sec)	4
F01	28 Aug 2018	Sea State	Light chop
F01	28 Aug 2018	High Tide (ft)	4.68
F01	28 Aug 2018	High Tide Time	1103
F01	28 Aug 2018	Low Tide (ft)	0.19
F01	28 Aug 2018	Low Tide Time	456
F01	28 Aug 2018	Comments	none
F02	28 Aug 2018	Depth (m)	21
F02	28 Aug 2018	Arrive Time	820
F02	28 Aug 2018	Depart Time	857
F02	28 Aug 2018	Air Temp (C)	21
F02	28 Aug 2018	Weather	Overcast
F02	28 Aug 2018	Visibility (mi)	5
F02	28 Aug 2018	Wind Speed (kts)	4
F02	28 Aug 2018	Wind Dir	W
F02	28 Aug 2018	Water Color	Bluish-Green
F02	28 Aug 2018	Wave Ht Low (ft)	3
F02	28 Aug 2018	Wave Period (sec)	9
F02	28 Aug 2018	Sea State	Confused swell
F02	28 Aug 2018	High Tide (ft)	4.68
F02	28 Aug 2018	High Tide Time	1103
F02	28 Aug 2018	Low Tide (ft)	0.19
F02	28 Aug 2018	Low Tide Time	456
F02	28 Aug 2018	Comments	Livewire broke; Used hand line for sampling the rest of the day
F03	28 Aug 2018	Depth (m)	20
F03	28 Aug 2018	Arrive Time	909
F03	28 Aug 2018	Depart Time	916
F03	28 Aug 2018	Air Temp (C)	21
F03	28 Aug 2018	Weather	Overcast
F03	28 Aug 2018	Visibility (mi)	10
F03	28 Aug 2018	Wind Speed (kts)	4
F03	28 Aug 2018	Wind Dir	NW
F03	28 Aug 2018	Water Color	Bluish-Green
F03	28 Aug 2018	Wave Ht Low (ft)	3
F03	28 Aug 2018	Wave Period (sec)	4
F03	28 Aug 2018	Sea State	Confused swell
F03	28 Aug 2018	High Tide (ft)	4.68
F03	28 Aug 2018	High Tide Time	1103
F03	28 Aug 2018	Low Tide (ft)	0.19

Station	Date	Parameter	Value
F03	28 Aug 2018	Low Tide Time	456
F03	28 Aug 2018	Comments	none
F04	28 Aug 2018	Depth (m)	62
F04	28 Aug 2018	Arrive Time	1202
F04	28 Aug 2018	Depart Time	1210
F04	28 Aug 2018	Air Temp (C)	21
F04	28 Aug 2018	Weather	Haze
F04	28 Aug 2018	Visibility (mi)	9
F04	28 Aug 2018	Wind Speed (kts)	10
F04	28 Aug 2018	Wind Dir	W
F04	28 Aug 2018	Water Color	Bluish-Green
F04	28 Aug 2018	Wave Ht Low (ft)	3
F04	28 Aug 2018	Wave Period (sec)	4
F04	28 Aug 2018	Sea State	Light chop
F04	28 Aug 2018	High Tide (ft)	4.68
F04	28 Aug 2018	High Tide Time	1103
F04	28 Aug 2018	Low Tide (ft)	0.19
F04	28 Aug 2018	Low Tide Time	456
F04	28 Aug 2018	Comments	none
F05	28 Aug 2018	Depth (m)	63
F05	28 Aug 2018	Arrive Time	1150
F05	28 Aug 2018	Depart Time	1156
F05	28 Aug 2018	Air Temp (C)	21
F05	28 Aug 2018	Weather	Partly Cloudy
F05	28 Aug 2018	Visibility (mi)	10
F05	28 Aug 2018	Wind Speed (kts)	8
F05	28 Aug 2018	Wind Dir	NW
F05	28 Aug 2018	Water Color	Bluish-Green
F05	28 Aug 2018	Wave Ht Low (ft)	3
F05	28 Aug 2018	Wave Period (sec)	4
F05	28 Aug 2018	Sea State	Light chop
F05	28 Aug 2018	High Tide (ft)	4.68
F05	28 Aug 2018	High Tide Time	1103
F05	28 Aug 2018	Low Tide (ft)	0.19
F05	28 Aug 2018	Low Tide Time	456
F05	28 Aug 2018	Comments	none
F06	28 Aug 2018	Depth (m)	64
F06	28 Aug 2018	Arrive Time	1133
F06	28 Aug 2018	Depart Time	1141
F06	28 Aug 2018	Air Temp (C)	21
F06	28 Aug 2018	Weather	Partly Cloudy
F06	28 Aug 2018	Visibility (mi)	10
F06	28 Aug 2018	Wind Speed (kts)	9
F06	28 Aug 2018	Wind Dir	W
F06	28 Aug 2018	Water Color	Bluish-Green
F06	28 Aug 2018	Wave Ht Low (ft)	3
F06	28 Aug 2018	Wave Period (sec)	4
F06	28 Aug 2018	Sea State	Light chop
F06	28 Aug 2018	High Tide (ft)	4.68
F06	28 Aug 2018	High Tide Time	1103
F06	28 Aug 2018	Low Tide (ft)	0.19
F06	28 Aug 2018	Low Tide Time	456

Station	Date	Parameter	Value
F06	28 Aug 2018	Comments	none
F07	28 Aug 2018	Depth (m)	67
F07	28 Aug 2018	Arrive Time	1118
F07	28 Aug 2018	Depart Time	1124
F07	28 Aug 2018	Air Temp (C)	21
F07	28 Aug 2018	Weather	Partly Cloudy
F07	28 Aug 2018	Visibility (mi)	10
F07	28 Aug 2018	Wind Speed (kts)	9
F07	28 Aug 2018	Wind Dir	W
F07	28 Aug 2018	Water Color	Bluish-Green
F07	28 Aug 2018	Wave Ht Low (ft)	3
F07	28 Aug 2018	Wave Period (sec)	4
F07	28 Aug 2018	Sea State	Light chop
F07	28 Aug 2018	High Tide (ft)	4.68
F07	28 Aug 2018	High Tide Time	1103
F07	28 Aug 2018	Low Tide (ft)	0.19
F07	28 Aug 2018	Low Tide Time	456
F07	28 Aug 2018	Comments	none
F08	28 Aug 2018	Depth (m)	63
F08	28 Aug 2018	Arrive Time	1103
F08	28 Aug 2018	Depart Time	1110
F08	28 Aug 2018	Air Temp (C)	21
F08	28 Aug 2018	Weather	Partly Cloudy
F08	28 Aug 2018	Visibility (mi)	10
F08	28 Aug 2018	Wind Speed (kts)	8
F08	28 Aug 2018	Wind Dir	NW
F08	28 Aug 2018	Water Color	Bluish-Green
F08	28 Aug 2018	Wave Ht Low (ft)	3
F08	28 Aug 2018	Wave Period (sec)	4
F08	28 Aug 2018	Sea State	Light chop
F08	28 Aug 2018	High Tide (ft)	4.68
F08	28 Aug 2018	High Tide Time	1103
F08	28 Aug 2018	Low Tide (ft)	0.19
F08	28 Aug 2018	Low Tide Time	456
F08	28 Aug 2018	Comments	none
F09	28 Aug 2018	Depth (m)	64
F09	28 Aug 2018	Arrive Time	1050
F09	28 Aug 2018	Depart Time	1055
F09	28 Aug 2018	Air Temp (C)	21
F09	28 Aug 2018	Weather	Partly Cloudy
F09	28 Aug 2018	Visibility (mi)	10
F09	28 Aug 2018	Wind Speed (kts)	8
F09	28 Aug 2018	Wind Dir	W
F09	28 Aug 2018	Water Color	Bluish-Green
F09	28 Aug 2018	Wave Ht Low (ft)	3
F09	28 Aug 2018	Wave Period (sec)	4
F09	28 Aug 2018	Sea State	Light chop
F09	28 Aug 2018	High Tide (ft)	4.68
F09	28 Aug 2018	High Tide Time	1103
F09	28 Aug 2018	Low Tide (ft)	0.19
F09	28 Aug 2018	Low Tide Time	456
F09	28 Aug 2018	Comments	none

Station	Date	Parameter	Value
F10	28 Aug 2018	Depth (m)	63
F10	28 Aug 2018	Arrive Time	1034
F10	28 Aug 2018	Depart Time	1042
F10	28 Aug 2018	Air Temp (C)	21
F10	28 Aug 2018	Weather	Partly Cloudy
F10	28 Aug 2018	Visibility (mi)	10
F10	28 Aug 2018	Wind Speed (kts)	7
F10	28 Aug 2018	Wind Dir	W
F10	28 Aug 2018	Water Color	Bluish-Green
F10	28 Aug 2018	Wave Ht Low (ft)	3
F10	28 Aug 2018	Wave Period (sec)	4
F10	28 Aug 2018	Sea State	Light chop
F10	28 Aug 2018	High Tide (ft)	4.68
F10	28 Aug 2018	High Tide Time	1103
F10	28 Aug 2018	Low Tide (ft)	0.19
F10	28 Aug 2018	Low Tide Time	456
F10	28 Aug 2018	Comments	none
F11	28 Aug 2018	Depth (m)	62
F11	28 Aug 2018	Arrive Time	1018
F11	28 Aug 2018	Depart Time	1025
F11	28 Aug 2018	Air Temp (C)	21
F11	28 Aug 2018	Weather	Partly Cloudy
F11	28 Aug 2018	Visibility (mi)	10
F11	28 Aug 2018	Wind Speed (kts)	5
F11	28 Aug 2018	Wind Dir	W
F11	28 Aug 2018	Water Color	Bluish-Green
F11	28 Aug 2018	Wave Ht Low (ft)	3
F11	28 Aug 2018	Wave Period (sec)	4
F11	28 Aug 2018	Sea State	Light chop
F11	28 Aug 2018	High Tide (ft)	4.68
F11	28 Aug 2018	High Tide Time	1103
F11	28 Aug 2018	Low Tide (ft)	0.19
F11	28 Aug 2018	Low Tide Time	456
F11	28 Aug 2018	Comments	none
F12	28 Aug 2018	Depth (m)	60
F12	28 Aug 2018	Arrive Time	1002
F12	28 Aug 2018	Depart Time	1009
F12	28 Aug 2018	Air Temp (C)	21
F12	28 Aug 2018	Weather	Overcast
F12	28 Aug 2018	Visibility (mi)	10
F12	28 Aug 2018	Wind Speed (kts)	6
F12	28 Aug 2018	Wind Dir	W
F12	28 Aug 2018	Water Color	Bluish-Green
F12	28 Aug 2018	Wave Ht Low (ft)	3
F12	28 Aug 2018	Wave Period (sec)	4
F12	28 Aug 2018	Sea State	Light chop
F12	28 Aug 2018	High Tide (ft)	4.68
F12	28 Aug 2018	High Tide Time	1103
F12	28 Aug 2018	Low Tide (ft)	0.19
F12	28 Aug 2018	Low Tide Time	456
F12	28 Aug 2018	Comments	none

Station	Date	Parameter	Value
F13	28 Aug 2018	Depth (m)	62
F13	28 Aug 2018	Arrive Time	944
F13	28 Aug 2018	Depart Time	952
F13	28 Aug 2018	Air Temp (C)	21
F13	28 Aug 2018	Weather	Overcast
F13	28 Aug 2018	Visibility (mi)	10
F13	28 Aug 2018	Wind Speed (kts)	8
F13	28 Aug 2018	Wind Dir	W
F13	28 Aug 2018	Water Color	Bluish-Green
F13	28 Aug 2018	Wave Ht Low (ft)	3
F13	28 Aug 2018	Wave Period (sec)	4
F13	28 Aug 2018	Sea State	Light chop
F13	28 Aug 2018	High Tide (ft)	4.68
F13	28 Aug 2018	High Tide Time	1103
F13	28 Aug 2018	Low Tide (ft)	0.19
F13	28 Aug 2018	Low Tide Time	456
F13	28 Aug 2018	Comments	none
F14	28 Aug 2018	Depth (m)	62
F14	28 Aug 2018	Arrive Time	929
F14	28 Aug 2018	Depart Time	937
F14	28 Aug 2018	Air Temp (C)	21
F14	28 Aug 2018	Weather	Overcast
F14	28 Aug 2018	Visibility (mi)	10
F14	28 Aug 2018	Wind Speed (kts)	0
F14	28 Aug 2018	Wind Dir	
F14	28 Aug 2018	Water Color	Bluish-Green
F14	28 Aug 2018	Wave Ht Low (ft)	3
F14	28 Aug 2018	Wave Period (sec)	4
F14	28 Aug 2018	Sea State	Light chop
F14	28 Aug 2018	High Tide (ft)	4.68
F14	28 Aug 2018	High Tide Time	1103
F14	28 Aug 2018	Low Tide (ft)	0.19
F14	28 Aug 2018	Low Tide Time	456
F14	28 Aug 2018	Comments	none
F15	29 Aug 2018	Depth (m)	82
F15	29 Aug 2018	Arrive Time	1118
F15	29 Aug 2018	Depart Time	1137
F15	29 Aug 2018	Air Temp (C)	22
F15	29 Aug 2018	Weather	Partly Cloudy
F15	29 Aug 2018	Visibility (mi)	9
F15	29 Aug 2018	Wind Speed (kts)	7
F15	29 Aug 2018	Wind Dir	SW
F15	29 Aug 2018	Water Color	Bluish-Green
F15	29 Aug 2018	Wave Ht Low (ft)	3
F15	29 Aug 2018	Wave Period (sec)	4
F15	29 Aug 2018	Sea State	Light chop
F15	29 Aug 2018	High Tide (ft)	4.73
F15	29 Aug 2018	High Tide Time	1132
F15	29 Aug 2018	Low Tide (ft)	0.49
F15	29 Aug 2018	Low Tide Time	523
F15	29 Aug 2018	Comments	none
F16	29 Aug 2018	Depth (m)	82

Station	Date	Parameter	Value
F16	29 Aug 2018	Arrive Time	1107
F16	29 Aug 2018	Depart Time	1111
F16	29 Aug 2018	Air Temp (C)	23
F16	29 Aug 2018	Weather	Partly Cloudy
F16	29 Aug 2018	Visibility (mi)	9
F16	29 Aug 2018	Wind Speed (kts)	3
F16	29 Aug 2018	Wind Dir	SW
F16	29 Aug 2018	Water Color	Bluish-Green
F16	29 Aug 2018	Wave Ht Low (ft)	3
F16	29 Aug 2018	Wave Period (sec)	4
F16	29 Aug 2018	Sea State	Light chop
F16	29 Aug 2018	High Tide (ft)	4.73
F16	29 Aug 2018	High Tide Time	1132
F16	29 Aug 2018	Low Tide (ft)	0.49
F16	29 Aug 2018	Low Tide Time	523
F16	29 Aug 2018	Comments	none
F17	29 Aug 2018	Depth (m)	82
F17	29 Aug 2018	Arrive Time	1050
F17	29 Aug 2018	Depart Time	1057
F17	29 Aug 2018	Air Temp (C)	22
F17	29 Aug 2018	Weather	Partly Cloudy
F17	29 Aug 2018	Visibility (mi)	9
F17	29 Aug 2018	Wind Speed (kts)	6
F17	29 Aug 2018	Wind Dir	SW
F17	29 Aug 2018	Water Color	Bluish-Green
F17	29 Aug 2018	Wave Ht Low (ft)	3
F17	29 Aug 2018	Wave Period (sec)	4
F17	29 Aug 2018	Sea State	Light chop
F17	29 Aug 2018	High Tide (ft)	4.73
F17	29 Aug 2018	High Tide Time	1132
F17	29 Aug 2018	Low Tide (ft)	0.49
F17	29 Aug 2018	Low Tide Time	523
F17	29 Aug 2018	Comments	none
F18	29 Aug 2018	Depth (m)	82
F18	29 Aug 2018	Arrive Time	1038
F18	29 Aug 2018	Depart Time	1043
F18	29 Aug 2018	Air Temp (C)	22
F18	29 Aug 2018	Weather	Partly Cloudy
F18	29 Aug 2018	Visibility (mi)	9
F18	29 Aug 2018	Wind Speed (kts)	7
F18	29 Aug 2018	Wind Dir	SW
F18	29 Aug 2018	Water Color	Bluish-Green
F18	29 Aug 2018	Wave Ht Low (ft)	3
F18	29 Aug 2018	Wave Period (sec)	4
F18	29 Aug 2018	Sea State	Light chop
F18	29 Aug 2018	High Tide (ft)	4.73
F18	29 Aug 2018	High Tide Time	1132
F18	29 Aug 2018	Low Tide (ft)	0.49
F18	29 Aug 2018	Low Tide Time	523
F18	29 Aug 2018	Comments	none
F19	29 Aug 2018	Depth (m)	83
F19	29 Aug 2018	Arrive Time	1024

Station	Date	Parameter	Value
F19	29 Aug 2018	Depart Time	1031
F19	29 Aug 2018	Air Temp (C)	22
F19	29 Aug 2018	Weather	Partly Cloudy
F19	29 Aug 2018	Visibility (mi)	7
F19	29 Aug 2018	Wind Speed (kts)	6
F19	29 Aug 2018	Wind Dir	SW
F19	29 Aug 2018	Water Color	Bluish-Green
F19	29 Aug 2018	Wave Ht Low (ft)	3
F19	29 Aug 2018	Wave Period (sec)	4
F19	29 Aug 2018	Sea State	Light chop
F19	29 Aug 2018	High Tide (ft)	4.73
F19	29 Aug 2018	High Tide Time	1132
F19	29 Aug 2018	Low Tide (ft)	0.49
F19	29 Aug 2018	Low Tide Time	523
F19	29 Aug 2018	Comments	none
F20	29 Aug 2018	Depth (m)	82
F20	29 Aug 2018	Arrive Time	1005
F20	29 Aug 2018	Depart Time	1017
F20	29 Aug 2018	Air Temp (C)	22
F20	29 Aug 2018	Weather	Partly Cloudy
F20	29 Aug 2018	Visibility (mi)	7
F20	29 Aug 2018	Wind Speed (kts)	9
F20	29 Aug 2018	Wind Dir	W
F20	29 Aug 2018	Water Color	Bluish-Green
F20	29 Aug 2018	Wave Ht Low (ft)	3
F20	29 Aug 2018	Wave Period (sec)	4
F20	29 Aug 2018	Sea State	Light chop
F20	29 Aug 2018	High Tide (ft)	4.73
F20	29 Aug 2018	High Tide Time	1132
F20	29 Aug 2018	Low Tide (ft)	0.49
F20	29 Aug 2018	Low Tide Time	523
F20	29 Aug 2018	Comments	none
F21	29 Aug 2018	Depth (m)	83
F21	29 Aug 2018	Arrive Time	951
F21	29 Aug 2018	Depart Time	958
F21	29 Aug 2018	Air Temp (C)	22
F21	29 Aug 2018	Weather	Partly Cloudy
F21	29 Aug 2018	Visibility (mi)	7
F21	29 Aug 2018	Wind Speed (kts)	5
F21	29 Aug 2018	Wind Dir	SW
F21	29 Aug 2018	Water Color	Bluish-Green
F21	29 Aug 2018	Wave Ht Low (ft)	3
F21	29 Aug 2018	Wave Period (sec)	4
F21	29 Aug 2018	Sea State	Light chop
F21	29 Aug 2018	High Tide (ft)	4.73
F21	29 Aug 2018	High Tide Time	1132
F21	29 Aug 2018	Low Tide (ft)	0.49
F21	29 Aug 2018	Low Tide Time	523
F21	29 Aug 2018	Comments	none
F22	29 Aug 2018	Depth (m)	81
F22	29 Aug 2018	Arrive Time	938
F22	29 Aug 2018	Depart Time	944

Station	Date	Parameter	Value
F22	29 Aug 2018	Air Temp (C)	22
F22	29 Aug 2018	Weather	Partly Cloudy
F22	29 Aug 2018	Visibility (mi)	6
F22	29 Aug 2018	Wind Speed (kts)	7
F22	29 Aug 2018	Wind Dir	SW
F22	29 Aug 2018	Water Color	Bluish-Green
F22	29 Aug 2018	Wave Ht Low (ft)	3
F22	29 Aug 2018	Wave Period (sec)	4
F22	29 Aug 2018	Sea State	Light chop
F22	29 Aug 2018	High Tide (ft)	4.73
F22	29 Aug 2018	High Tide Time	1132
F22	29 Aug 2018	Low Tide (ft)	0.49
F22	29 Aug 2018	Low Tide Time	523
F22	29 Aug 2018	Comments	none
F24	29 Aug 2018	Depth (m)	82
F24	29 Aug 2018	Arrive Time	855
F24	29 Aug 2018	Depart Time	902
F24	29 Aug 2018	Air Temp (C)	22
F24	29 Aug 2018	Weather	Partly Cloudy
F24	29 Aug 2018	Visibility (mi)	6
F24	29 Aug 2018	Wind Speed (kts)	2
F24	29 Aug 2018	Wind Dir	W
F24	29 Aug 2018	Water Color	Bluish-Green
F24	29 Aug 2018	Wave Ht Low (ft)	3
F24	29 Aug 2018	Wave Period (sec)	4
F24	29 Aug 2018	Sea State	Light chop
F24	29 Aug 2018	High Tide (ft)	4.73
F24	29 Aug 2018	High Tide Time	1132
F24	29 Aug 2018	Low Tide (ft)	0.49
F24	29 Aug 2018	Low Tide Time	523
F24	29 Aug 2018	Comments	none
F25	29 Aug 2018	Depth (m)	80
F25	29 Aug 2018	Arrive Time	830
F25	29 Aug 2018	Depart Time	847
F25	29 Aug 2018	Air Temp (C)	22
F25	29 Aug 2018	Weather	Partly Cloudy
F25	29 Aug 2018	Visibility (mi)	6
F25	29 Aug 2018	Wind Speed (kts)	2
F25	29 Aug 2018	Wind Dir	W
F25	29 Aug 2018	Water Color	Bluish-Green
F25	29 Aug 2018	Wave Ht Low (ft)	3
F25	29 Aug 2018	Wave Period (sec)	4
F25	29 Aug 2018	Sea State	Light chop
F25	29 Aug 2018	High Tide (ft)	4.73
F25	29 Aug 2018	High Tide Time	1132
F25	29 Aug 2018	Low Tide (ft)	0.49
F25	29 Aug 2018	Low Tide Time	523
F25	29 Aug 2018	Comments	none
F26	30 Aug 2018	Depth (m)	99
F26	30 Aug 2018	Arrive Time	1151
F26	30 Aug 2018	Depart Time	1200
F26	30 Aug 2018	Air Temp (C)	22

Station	Date	Parameter	Value
F26	30 Aug 2018	Weather	Partly Cloudy
F26	30 Aug 2018	Visibility (mi)	20
F26	30 Aug 2018	Wind Speed (kts)	4
F26	30 Aug 2018	Wind Dir	W
F26	30 Aug 2018	Water Color	Bluish-Green
F26	30 Aug 2018	Wave Ht Low (ft)	4
F26	30 Aug 2018	Wave Period (sec)	7
F26	30 Aug 2018	Sea State	Heavy chop
F26	30 Aug 2018	High Tide (ft)	4.76
F26	30 Aug 2018	High Tide Time	4
F26	30 Aug 2018	Low Tide (ft)	0.87
F26	30 Aug 2018	Low Tide Time	551
F26	30 Aug 2018	Comments	none
F27	30 Aug 2018	Depth (m)	100
F27	30 Aug 2018	Arrive Time	1135
F27	30 Aug 2018	Depart Time	1143
F27	30 Aug 2018	Air Temp (C)	22
F27	30 Aug 2018	Weather	Partly Cloudy
F27	30 Aug 2018	Visibility (mi)	20
F27	30 Aug 2018	Wind Speed (kts)	6
F27	30 Aug 2018	Wind Dir	W
F27	30 Aug 2018	Water Color	Bluish-Green
F27	30 Aug 2018	Wave Ht Low (ft)	4
F27	30 Aug 2018	Wave Period (sec)	7
F27	30 Aug 2018	Sea State	Heavy chop
F27	30 Aug 2018	High Tide (ft)	4.76
F27	30 Aug 2018	High Tide Time	4
F27	30 Aug 2018	Low Tide (ft)	0.87
F27	30 Aug 2018	Low Tide Time	551
F27	30 Aug 2018	Comments	none
F28	30 Aug 2018	Depth (m)	100
F28	30 Aug 2018	Arrive Time	1121
F28	30 Aug 2018	Depart Time	1128
F28	30 Aug 2018	Air Temp (C)	22
F28	30 Aug 2018	Weather	Partly Cloudy
F28	30 Aug 2018	Visibility (mi)	20
F28	30 Aug 2018	Wind Speed (kts)	5
F28	30 Aug 2018	Wind Dir	SW
F28	30 Aug 2018	Water Color	Bluish-Green
F28	30 Aug 2018	Wave Ht Low (ft)	4
F28	30 Aug 2018	Wave Period (sec)	7
F28	30 Aug 2018	Sea State	Heavy chop
F28	30 Aug 2018	High Tide (ft)	4.76
F28	30 Aug 2018	High Tide Time	4
F28	30 Aug 2018	Low Tide (ft)	0.87
F28	30 Aug 2018	Low Tide Time	551
F28	30 Aug 2018	Comments	none
F29	30 Aug 2018	Depth (m)	99
F29	30 Aug 2018	Arrive Time	1105
F29	30 Aug 2018	Depart Time	1114
F29	30 Aug 2018	Air Temp (C)	22
F29	30 Aug 2018	Weather	Partly Cloudy

Station	Date	Parameter	Value
F29	30 Aug 2018	Visibility (mi)	20
F29	30 Aug 2018	Wind Speed (kts)	7
F29	30 Aug 2018	Wind Dir	SW
F29	30 Aug 2018	Water Color	Bluish-Green
F29	30 Aug 2018	Wave Ht Low (ft)	4
F29	30 Aug 2018	Wave Period (sec)	7
F29	30 Aug 2018	Sea State	Heavy chop
F29	30 Aug 2018	High Tide (ft)	4.76
F29	30 Aug 2018	High Tide Time	4
F29	30 Aug 2018	Low Tide (ft)	0.87
F29	30 Aug 2018	Low Tide Time	551
F29	30 Aug 2018	Comments	none
F30	30 Aug 2018	Depth (m)	98
F30	30 Aug 2018	Arrive Time	1053
F30	30 Aug 2018	Depart Time	1058
F30	30 Aug 2018	Air Temp (C)	22
F30	30 Aug 2018	Weather	Partly Cloudy
F30	30 Aug 2018	Visibility (mi)	20
F30	30 Aug 2018	Wind Speed (kts)	5
F30	30 Aug 2018	Wind Dir	SW
F30	30 Aug 2018	Water Color	Bluish-Green
F30	30 Aug 2018	Wave Ht Low (ft)	4
F30	30 Aug 2018	Wave Period (sec)	7
F30	30 Aug 2018	Sea State	Heavy chop
F30	30 Aug 2018	High Tide (ft)	4.76
F30	30 Aug 2018	High Tide Time	4
F30	30 Aug 2018	Low Tide (ft)	0.87
F30	30 Aug 2018	Low Tide Time	551
F30	30 Aug 2018	Comments	none
F31	30 Aug 2018	Depth (m)	99
F31	30 Aug 2018	Arrive Time	1026
F31	30 Aug 2018	Depart Time	1034
F31	30 Aug 2018	Air Temp (C)	22
F31	30 Aug 2018	Weather	Partly Cloudy
F31	30 Aug 2018	Visibility (mi)	20
F31	30 Aug 2018	Wind Speed (kts)	11
F31	30 Aug 2018	Wind Dir	W
F31	30 Aug 2018	Water Color	Bluish-Green
F31	30 Aug 2018	Wave Ht Low (ft)	4
F31	30 Aug 2018	Wave Period (sec)	7
F31	30 Aug 2018	Sea State	Heavy chop
F31	30 Aug 2018	High Tide (ft)	4.76
F31	30 Aug 2018	High Tide Time	4
F31	30 Aug 2018	Low Tide (ft)	0.87
F31	30 Aug 2018	Low Tide Time	551
F31	30 Aug 2018	Comments	none
F32	30 Aug 2018	Depth (m)	100
F32	30 Aug 2018	Arrive Time	1008
F32	30 Aug 2018	Depart Time	1017
F32	30 Aug 2018	Air Temp (C)	22
F32	30 Aug 2018	Weather	Partly Cloudy
F32	30 Aug 2018	Visibility (mi)	20

Station	Date	Parameter	Value
F32	30 Aug 2018	Wind Speed (kts)	5
F32	30 Aug 2018	Wind Dir	SW
F32	30 Aug 2018	Water Color	Bluish-Green
F32	30 Aug 2018	Wave Ht Low (ft)	4
F32	30 Aug 2018	Wave Period (sec)	7
F32	30 Aug 2018	Sea State	Heavy chop
F32	30 Aug 2018	High Tide (ft)	4.76
F32	30 Aug 2018	High Tide Time	4
F32	30 Aug 2018	Low Tide (ft)	0.87
F32	30 Aug 2018	Low Tide Time	551
F32	30 Aug 2018	Comments	none
F33	30 Aug 2018	Depth (m)	101
F33	30 Aug 2018	Arrive Time	947
F33	30 Aug 2018	Depart Time	1000
F33	30 Aug 2018	Air Temp (C)	23
F33	30 Aug 2018	Weather	Overcast
F33	30 Aug 2018	Visibility (mi)	20
F33	30 Aug 2018	Wind Speed (kts)	10
F33	30 Aug 2018	Wind Dir	SW
F33	30 Aug 2018	Water Color	Bluish-Green
F33	30 Aug 2018	Wave Ht Low (ft)	4
F33	30 Aug 2018	Wave Period (sec)	4
F33	30 Aug 2018	Sea State	Calm
F33	30 Aug 2018	High Tide (ft)	4.76
F33	30 Aug 2018	High Tide Time	4
F33	30 Aug 2018	Low Tide (ft)	0.87
F33	30 Aug 2018	Low Tide Time	551
F33	30 Aug 2018	Comments	none
F34	30 Aug 2018	Depth (m)	100
F34	30 Aug 2018	Arrive Time	930
F34	30 Aug 2018	Depart Time	943
F34	30 Aug 2018	Air Temp (C)	22
F34	30 Aug 2018	Weather	Overcast
F34	30 Aug 2018	Visibility (mi)	20
F34	30 Aug 2018	Wind Speed (kts)	0
F34	30 Aug 2018	Wind Dir	
F34	30 Aug 2018	Water Color	Bluish-Green
F34	30 Aug 2018	Wave Ht Low (ft)	4
F34	30 Aug 2018	Wave Period (sec)	4
F34	30 Aug 2018	Sea State	Calm
F34	30 Aug 2018	High Tide (ft)	4.76
F34	30 Aug 2018	High Tide Time	4
F34	30 Aug 2018	Low Tide (ft)	0.87
F34	30 Aug 2018	Low Tide Time	551
F34	30 Aug 2018	Comments	none
F35	30 Aug 2018	Depth (m)	100
F35	30 Aug 2018	Arrive Time	915
F35	30 Aug 2018	Depart Time	922
F35	30 Aug 2018	Air Temp (C)	22
F35	30 Aug 2018	Weather	Overcast
F35	30 Aug 2018	Visibility (mi)	20
F35	30 Aug 2018	Wind Speed (kts)	8

Station	Date	Parameter	Value
F35	30 Aug 2018	Wind Dir	NW
F35	30 Aug 2018	Water Color	Bluish-Green
F35	30 Aug 2018	Wave Ht Low (ft)	4
F35	30 Aug 2018	Wave Period (sec)	4
F35	30 Aug 2018	Sea State	Calm
F35	30 Aug 2018	High Tide (ft)	4.76
F35	30 Aug 2018	High Tide Time	4
F35	30 Aug 2018	Low Tide (ft)	0.87
F35	30 Aug 2018	Low Tide Time	551
F35	30 Aug 2018	Comments	none
F36	30 Aug 2018	Depth (m)	98
F36	30 Aug 2018	Arrive Time	844
F36	30 Aug 2018	Depart Time	906
F36	30 Aug 2018	Air Temp (C)	22
F36	30 Aug 2018	Weather	Overcast
F36	30 Aug 2018	Visibility (mi)	20
F36	30 Aug 2018	Wind Speed (kts)	16
F36	30 Aug 2018	Wind Dir	W
F36	30 Aug 2018	Water Color	Bluish-Green
F36	30 Aug 2018	Wave Ht Low (ft)	4
F36	30 Aug 2018	Wave Period (sec)	4
F36	30 Aug 2018	Sea State	Calm
F36	30 Aug 2018	High Tide (ft)	4.76
F36	30 Aug 2018	High Tide Time	4
F36	30 Aug 2018	Low Tide (ft)	0.87
F36	30 Aug 2018	Low Tide Time	551
F36	30 Aug 2018	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 (μg/L)
F01	28 Aug 2018	1	21.43	73.24	8.2	33.73	8.3	23.4	0.44
F01	28 Aug 2018	2	21.08	79.62	8.2	33.72	8.3	23.5	0.46
F01	28 Aug 2018	3	20.84	80.41	8.2	33.71	8.2	23.6	0.51
F01	28 Aug 2018	4	20.60	80.26	8.2	33.70	8.2	23.6	0.63
F01	28 Aug 2018	5	20.29	79.71	8.2	33.69	8.2	23.7	0.75
F01	28 Aug 2018	6	19.82	78.57	8.1	33.67	8.2	23.8	0.90
F01	28 Aug 2018	7	18.57	77.51	8.3	33.63	8.2	24.1	1.19
F01	28 Aug 2018	8	18.11	77.23	8.2	33.61	8.2	24.2	1.39
F01	28 Aug 2018	9	17.19	78.19	8.3	33.58	8.2	24.4	1.59
F01	28 Aug 2018	10	16.97	78.56	8.3	33.57	8.2	24.4	1.77
F01	28 Aug 2018	11	16.40	80.20	8.3	33.56	8.2	24.5	1.94
F01	28 Aug 2018	12	15.84	81.82	8.2	33.54	8.2	24.7	1.88
F01	28 Aug 2018	13	15.12	83.59	8.0	33.53	8.2	24.8	1.67
F01	28 Aug 2018	14	14.78	85.03	7.9	33.52	8.2	24.9	1.29
F01	28 Aug 2018	15	14.61	85.80	7.8	33.52	8.2	24.9	1.16
F01	28 Aug 2018	16	14.43	86.08	7.7	33.52	8.2	25.0	1.12
F01	28 Aug 2018	17	14.19	86.40	7.6	33.52	8.1	25.0	1.16
F01	28 Aug 2018	18	14.05	87.02	7.5	33.52	8.1	25.0	1.00
F01	28 Aug 2018	19	14.06	87.07	7.5	33.52	8.1	25.0	0.91
F01	28 Aug 2018	20	14.05	87.03	7.5	33.53	8.1	25.0	0.89
F02	28 Aug 2018	1	22.39	79.26	8.1	33.78	8.2	23.2	1.06
F02	28 Aug 2018	2	22.21	79.57	8.1	33.77	8.2	23.2	1.06
F02	28 Aug 2018	3	20.88	80.74	8.3	33.73	8.2	23.6	1.12
F02	28 Aug 2018	4	19.41	81.77	8.6	33.65	8.2	23.9	1.24
F02	28 Aug 2018	5	18.08	82.33	8.7	33.60	8.2	24.2	1.26
F02	28 Aug 2018	6	17.70	82.58	8.7	33.58	8.2	24.3	1.33
F02	28 Aug 2018	7	17.32	82.77	8.7	33.56	8.2	24.3	1.43
F02	28 Aug 2018	8	17.06	82.91	8.7	33.55	8.2	24.4	1.55
F02	28 Aug 2018	9	16.86	82.99	8.7	33.55	8.2	24.4	1.51
F02	28 Aug 2018	10	16.83	82.96	8.6	33.55	8.2	24.4	1.59
F02	28 Aug 2018	11	16.74	82.86	8.5	33.56	8.2	24.5	1.71
F02	28 Aug 2018	12	16.55	82.75	8.3	33.56	8.2	24.5	1.83
F02	28 Aug 2018	13	16.12	82.14	8.3	33.55	8.2	24.6	2.01
F02	28 Aug 2018	14	15.84	82.37	8.2	33.55	8.2	24.7	2.07
F02	28 Aug 2018	15	15.35	82.97	8.2	33.53	8.1	24.8	1.98
F02	28 Aug 2018	16	14.96	83.70	8.1	33.53	8.1	24.8	2.01
F02	28 Aug 2018	17	14.87	83.79	8.1	33.52	8.1	24.9	1.99
F02	28 Aug 2018	18	14.59	84.84	8.1	33.52	8.1	24.9	2.03
F02	28 Aug 2018	19	14.37	85.15	7.8	33.53	8.1	25.0	1.85
F02	28 Aug 2018	20	14.08	86.30	7.5	33.52	8.1	25.0	1.19
F03	28 Aug 2018	1	22.26	78.65	8.1	33.78	8.2	23.2	0.88
F03	28 Aug 2018	2	22.06	79.04	8.1	33.78	8.2	23.3	0.96
F03	28 Aug 2018	3	21.56	79.41	8.2	33.76	8.2	23.4	1.02
F03	28 Aug 2018	4	20.91	79.62	8.2	33.73	8.2	23.6	1.14
F03	28 Aug 2018	5	20.05	80.55	8.2	33.71	8.2	23.8	1.18
F03	28 Aug 2018	6	18.24	81.45	8.4	33.64	8.2	24.2	1.19
F03	28 Aug 2018	7	17.78	82.48	8.6	33.56	8.2	24.2	1.14
F03	28 Aug 2018	8	17.00	82.96	8.6	33.58	8.2	24.4	1.23
F03	28 Aug 2018	9	16.74	82.86	8.6	33.55	8.2	24.5	1.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	28 Aug 2018	10	16.61	82.77	8.5	33.55	8.2	24.5	1.61
F03	28 Aug 2018	11	16.45	82.91	8.5	33.55	8.2	24.5	1.74
F03	28 Aug 2018	12	16.31	82.77	8.4	33.55	8.2	24.6	1.81
F03	28 Aug 2018	13	16.14	82.82	8.4	33.55	8.2	24.6	1.97
F03	28 Aug 2018	14	16.02	82.57	8.3	33.55	8.2	24.6	2.10
F03	28 Aug 2018	15	15.97	82.38	8.3	33.55	8.2	24.6	2.22
F03	28 Aug 2018	16	15.95	82.21	8.3	33.55	8.2	24.6	2.33
F03	28 Aug 2018	17	15.76	82.01	8.1	33.55	8.2	24.7	2.46
F03	28 Aug 2018	18	15.46	81.57	8.1	33.54	8.1	24.7	2.75
F03	28 Aug 2018	19	14.61	82.25	7.8	33.55	8.1	24.9	2.70
F03	28 Aug 2018	20	14.43	83.52	7.8	33.51	8.1	24.9	2.45
F04	28 Aug 2018	1	23.86	85.60	7.7	33.84	8.3	22.8	0.14
F04	28 Aug 2018	2	23.86	85.80	7.7	33.84	8.3	22.8	0.17
F04	28 Aug 2018	3	23.79	86.08	7.7	33.84	8.3	22.8	0.20
F04	28 Aug 2018	4	23.66	86.19	7.7	33.83	8.3	22.9	0.22
F04	28 Aug 2018	5	23.22	86.98	7.8	33.80	8.3	23.0	0.19
F04	28 Aug 2018	6	22.38	87.18	8.0	33.76	8.3	23.2	0.13
F04	28 Aug 2018	7	21.79	87.19	8.1	33.73	8.3	23.3	0.17
F04	28 Aug 2018	8	20.61	86.91	8.4	33.67	8.3	23.6	0.18
F04	28 Aug 2018	9	19.14	87.89	8.7	33.62	8.3	23.9	0.10
F04	28 Aug 2018	10	18.76	88.43	8.7	33.59	8.3	24.0	0.04
F04	28 Aug 2018	11	18.04	88.53	8.8	33.57	8.2	24.2	0.04
F04	28 Aug 2018	12	17.86	88.35	8.8	33.56	8.2	24.2	0.05
F04	28 Aug 2018	13	17.79	88.07	8.8	33.56	8.2	24.2	0.08
F04	28 Aug 2018	14	17.70	87.65	8.8	33.57	8.2	24.2	0.10
F04	28 Aug 2018	15	17.61	87.17	8.8	33.57	8.2	24.3	0.16
F04	28 Aug 2018	16	17.54	86.59	8.8	33.57	8.2	24.3	0.25
F04	28 Aug 2018	17	17.43	86.24	8.8	33.57	8.2	24.3	0.31
F04	28 Aug 2018	18	17.22	85.90	8.8	33.57	8.2	24.4	0.40
F04	28 Aug 2018	19	16.74	85.78	8.8	33.55	8.2	24.5	0.47
F04	28 Aug 2018	20	15.83	85.45	8.8	33.54	8.2	24.7	0.60
F04	28 Aug 2018	21	15.38	86.43	8.7	33.53	8.2	24.8	0.58
F04	28 Aug 2018	22	15.19	86.29	8.6	33.53	8.2	24.8	0.65
F04	28 Aug 2018	23	15.13	86.16	8.6	33.53	8.2	24.8	0.72
F04	28 Aug 2018	24	14.85	86.26	8.4	33.53	8.2	24.9	0.83
F04	28 Aug 2018	25	14.74	86.14	8.3	33.53	8.2	24.9	0.94
F04	28 Aug 2018	26	14.64	85.95	8.2	33.53	8.2	24.9	1.15
F04	28 Aug 2018	27	14.63	85.87	8.2	33.53	8.2	24.9	1.24
F04	28 Aug 2018	28	14.63	85.88	8.2	33.53	8.2	24.9	1.38
F04	28 Aug 2018	29	14.62	85.87	8.2	33.53	8.2	24.9	1.46
F04	28 Aug 2018	30	14.61	85.87	8.1	33.53	8.2	24.9	1.49
F04	28 Aug 2018	31	14.62	85.87	8.1	33.53	8.2	24.9	1.55
F04	28 Aug 2018	32	14.60	85.87	8.1	33.53	8.2	24.9	1.59
F04	28 Aug 2018	33	14.60	85.87	8.1	33.53	8.2	24.9	1.67
F04	28 Aug 2018	34	14.59	85.95	8.1	33.53	8.2	24.9	1.68
F04	28 Aug 2018	35	14.59	85.96	8.1	33.53	8.2	24.9	1.70
F04	28 Aug 2018	36	14.59	86.00	8.1	33.53	8.2	24.9	1.73
F04	28 Aug 2018	37	14.55	86.03	8.0	33.53	8.2	24.9	1.78
F04	28 Aug 2018	38	14.35	86.16	7.9	33.53	8.2	25.0	1.89
F04	28 Aug 2018	39	14.25	86.49	7.8	33.53	8.1	25.0	1.94
F04	28 Aug 2018	40	14.21	86.66	7.8	33.53	8.1	25.0	1.97
F04	28 Aug 2018	41	14.15	87.05	7.7	33.53	8.1	25.0	1.78
F04	28 Aug 2018	42	14.10	87.41	7.6	33.53	8.1	25.0	1.71
F04	28 Aug 2018	43	13.97	88.06	7.6	33.53	8.1	25.1	1.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	28 Aug 2018	44	13.90	88.48	7.5	33.53	8.1	25.1	1.23
F04	28 Aug 2018	45	13.79	88.67	7.5	33.53	8.1	25.1	1.09
F04	28 Aug 2018	46	13.77	88.86	7.5	33.53	8.1	25.1	0.94
F04	28 Aug 2018	47	13.67	89.01	7.5	33.53	8.1	25.1	0.85
F04	28 Aug 2018	48	13.58	89.27	7.4	33.53	8.1	25.1	0.85
F04	28 Aug 2018	49	13.51	89.33	7.4	33.52	8.1	25.1	0.68
F04	28 Aug 2018	50	13.29	89.42	7.3	33.53	8.1	25.2	0.62
F04	28 Aug 2018	51	13.15	89.46	7.2	33.52	8.1	25.2	0.58
F04	28 Aug 2018	52	13.09	89.49	7.2	33.52	8.1	25.2	0.57
F04	28 Aug 2018	53	13.03	89.50	7.0	33.53	8.1	25.2	0.55
F04	28 Aug 2018	54	12.92	89.45	6.8	33.54	8.1	25.3	0.53
F04	28 Aug 2018	55	12.70	89.31	6.5	33.55	8.0	25.3	0.48
F04	28 Aug 2018	56	12.60	89.18	6.3	33.55	8.0	25.3	0.45
F04	28 Aug 2018	57	12.49	88.87	6.2	33.55	8.0	25.4	0.38
F04	28 Aug 2018	58	12.44	88.73	6.1	33.55	8.0	25.4	0.35
F04	28 Aug 2018	59	12.44	88.68	6.1	33.55	8.0	25.4	0.33
F04	28 Aug 2018	60	12.44	88.56	6.1	33.55	8.0	25.4	0.34
F04	28 Aug 2018	61	12.44	88.48	6.1	33.55	8.0	25.4	0.35
F05	28 Aug 2018	1	23.80	85.56	7.6	33.84	8.3	22.8	0.14
F05	28 Aug 2018	2	23.80	86.17	7.6	33.84	8.3	22.8	0.15
F05	28 Aug 2018	3	23.31	86.42	7.6	33.82	8.3	23.0	0.13
F05	28 Aug 2018	4	21.98	86.89	8.1	33.74	8.3	23.3	0.13
F05	28 Aug 2018	5	21.25	86.93	8.4	33.69	8.3	23.4	0.15
F05	28 Aug 2018	6	21.15	87.20	8.3	33.68	8.3	23.4	0.13
F05	28 Aug 2018	7	20.56	87.40	8.4	33.66	8.3	23.6	0.13
F05	28 Aug 2018	8	20.27	87.35	8.5	33.65	8.3	23.7	0.16
F05	28 Aug 2018	9	19.77	87.50	8.6	33.63	8.3	23.8	0.16
F05	28 Aug 2018	10	19.06	88.03	8.7	33.61	8.3	23.9	0.12
F05	28 Aug 2018	11	18.80	87.92	8.7	33.60	8.3	24.0	0.10
F05	28 Aug 2018	12	18.25	87.94	8.7	33.59	8.2	24.1	0.08
F05	28 Aug 2018	13	18.01	88.31	8.8	33.57	8.2	24.2	0.07
F05	28 Aug 2018	14	17.85	87.59	8.8	33.57	8.2	24.2	0.11
F05	28 Aug 2018	15	17.66	86.13	8.8	33.57	8.2	24.3	0.25
F05	28 Aug 2018	16	17.51	85.29	8.8	33.56	8.2	24.3	0.38
F05	28 Aug 2018	17	17.05	84.19	8.8	33.56	8.2	24.4	0.54
F05	28 Aug 2018	18	16.98	83.83	8.9	33.55	8.2	24.4	0.68
F05	28 Aug 2018	19	16.28	83.91	8.9	33.54	8.2	24.6	0.80
F05	28 Aug 2018	20	16.00	84.27	8.9	33.53	8.2	24.6	0.90
F05	28 Aug 2018	21	15.90	84.42	8.8	33.53	8.2	24.6	0.95
F05	28 Aug 2018	22	15.44	85.44	8.8	33.53	8.2	24.7	0.92
F05	28 Aug 2018	23	15.42	85.67	8.7	33.53	8.2	24.7	0.97
F05	28 Aug 2018	24	15.11	85.72	8.5	33.53	8.2	24.8	1.00
F05	28 Aug 2018	25	14.96	85.77	8.4	33.53	8.2	24.8	1.07
F05	28 Aug 2018	26	14.73	85.64	8.3	33.53	8.2	24.9	1.29
F05	28 Aug 2018	27	14.58	85.27	8.3	33.52	8.2	24.9	1.52
F05	28 Aug 2018	28	14.49	84.94	8.1	33.52	8.2	24.9	1.78
F05	28 Aug 2018	29	14.40	85.07	8.0	33.52	8.2	25.0	2.03
F05	28 Aug 2018	30	14.38	85.18	7.9	33.52	8.2	25.0	2.16
F05	28 Aug 2018	31	14.37	85.06	7.9	33.53	8.2	25.0	2.17
F05	28 Aug 2018	32	14.36	85.24	7.8	33.53	8.1	25.0	2.23
F05	28 Aug 2018	33	14.32	85.58	7.7	33.53	8.1	25.0	2.15
F05	28 Aug 2018	34	14.22	86.13	7.6	33.53	8.1	25.0	1.95
F05	28 Aug 2018	35	14.15	86.78	7.5	33.53	8.1	25.0	1.83
F05	28 Aug 2018	36	14.08	87.05	7.5	33.53	8.1	25.0	1.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F05	28 Aug 2018	37	13.95	88.04	7.4	33.53	8.1	25.1	1.32
F05	28 Aug 2018	38	13.85	88.50	7.3	33.53	8.1	25.1	1.03
F05	28 Aug 2018	39	13.77	88.73	7.4	33.53	8.1	25.1	1.04
F05	28 Aug 2018	40	13.71	88.96	7.4	33.53	8.1	25.1	0.96
F05	28 Aug 2018	41	13.69	89.05	7.4	33.53	8.1	25.1	0.78
F05	28 Aug 2018	42	13.63	89.07	7.3	33.53	8.1	25.1	0.72
F05	28 Aug 2018	43	13.62	89.21	7.3	33.53	8.1	25.1	0.70
F05	28 Aug 2018	44	13.51	89.30	7.3	33.53	8.1	25.2	0.68
F05	28 Aug 2018	45	13.50	89.28	7.3	33.53	8.1	25.2	0.67
F05	28 Aug 2018	46	13.47	89.37	7.2	33.53	8.1	25.2	0.62
F05	28 Aug 2018	47	13.45	89.38	7.3	33.53	8.1	25.2	0.61
F05	28 Aug 2018	48	13.33	89.40	7.2	33.53	8.1	25.2	0.60
F05	28 Aug 2018	49	13.19	89.50	7.0	33.53	8.1	25.2	0.59
F05	28 Aug 2018	50	12.82	89.41	6.7	33.54	8.1	25.3	0.52
F05	28 Aug 2018	51	12.67	89.36	6.4	33.55	8.0	25.3	0.47
F05	28 Aug 2018	52	12.55	89.31	6.3	33.55	8.0	25.4	0.41
F05	28 Aug 2018	53	12.50	89.26	6.2	33.55	8.0	25.4	0.39
F05	28 Aug 2018	54	12.46	88.93	6.2	33.55	8.0	25.4	0.38
F05	28 Aug 2018	55	12.36	88.29	6.0	33.56	8.0	25.4	0.35
F05	28 Aug 2018	56	12.36	88.17	6.0	33.56	8.0	25.4	0.32
F05	28 Aug 2018	57	12.34	87.89	6.0	33.56	8.0	25.4	0.30
F05	28 Aug 2018	58	12.34	87.80	6.0	33.56	8.0	25.4	0.30
F05	28 Aug 2018	59	12.33	87.79	6.0	33.56	8.0	25.4	0.32
F05	28 Aug 2018	60	12.33	87.73	6.0	33.56	8.0	25.4	0.33
F05	28 Aug 2018	61	12.32	87.60	6.0	33.56	8.0	25.4	0.33
F06	28 Aug 2018	1	22.94	84.74	7.9	33.82	8.3	23.1	0.27
F06	28 Aug 2018	2	22.50	84.66	8.0	33.79	8.3	23.2	0.28
F06	28 Aug 2018	3	22.30	84.78	8.0	33.77	8.3	23.2	0.26
F06	28 Aug 2018	4	21.48	84.89	8.1	33.75	8.3	23.4	0.26
F06	28 Aug 2018	5	20.64	84.68	8.3	33.71	8.3	23.6	0.26
F06	28 Aug 2018	6	19.97	85.45	8.6	33.66	8.3	23.7	0.26
F06	28 Aug 2018	7	19.60	85.93	8.6	33.64	8.3	23.8	0.23
F06	28 Aug 2018	8	19.20	86.45	8.7	33.62	8.3	23.9	0.21
F06	28 Aug 2018	9	18.73	87.13	8.7	33.61	8.3	24.0	0.17
F06	28 Aug 2018	10	18.46	87.35	8.8	33.59	8.2	24.1	0.14
F06	28 Aug 2018	11	18.36	87.36	8.8	33.59	8.2	24.1	0.12
F06	28 Aug 2018	12	18.29	87.25	8.8	33.59	8.2	24.1	0.15
F06	28 Aug 2018	13	18.22	86.91	8.8	33.59	8.2	24.1	0.19
F06	28 Aug 2018	14	18.15	85.86	8.7	33.59	8.2	24.2	0.28
F06	28 Aug 2018	15	17.87	84.48	8.8	33.59	8.2	24.2	0.44
F06	28 Aug 2018	16	17.65	82.98	8.7	33.58	8.2	24.3	0.68
F06	28 Aug 2018	17	16.69	82.45	8.8	33.57	8.2	24.5	0.92
F06	28 Aug 2018	18	16.34	82.80	8.8	33.55	8.2	24.6	1.10
F06	28 Aug 2018	19	15.89	83.34	8.8	33.54	8.2	24.6	1.17
F06	28 Aug 2018	20	15.75	83.70	8.6	33.53	8.2	24.7	1.28
F06	28 Aug 2018	21	15.35	84.35	8.5	33.53	8.2	24.8	1.30
F06	28 Aug 2018	22	15.01	85.01	8.4	33.53	8.2	24.8	1.33
F06	28 Aug 2018	23	14.86	85.09	8.4	33.53	8.2	24.9	1.44
F06	28 Aug 2018	24	14.67	84.99	8.3	33.53	8.2	24.9	1.58
F06	28 Aug 2018	25	14.62	84.85	8.3	33.53	8.2	24.9	1.78
F06	28 Aug 2018	26	14.48	84.65	8.2	33.52	8.2	24.9	2.01
F06	28 Aug 2018	27	14.37	84.33	8.1	33.52	8.2	25.0	2.31
F06	28 Aug 2018	28	14.33	84.33	8.1	33.52	8.2	25.0	2.51
F06	28 Aug 2018	29	14.15	84.87	7.9	33.52	8.2	25.0	2.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F06	28 Aug 2018	30	14.10	85.56	7.8	33.52	8.1	25.0	2.33
F06	28 Aug 2018	31	14.05	86.27	7.6	33.53	8.1	25.0	2.04
F06	28 Aug 2018	32	14.00	86.63	7.5	33.53	8.1	25.1	1.88
F06	28 Aug 2018	33	13.91	87.47	7.4	33.53	8.1	25.1	1.55
F06	28 Aug 2018	34	13.86	88.18	7.3	33.53	8.1	25.1	1.15
F06	28 Aug 2018	35	13.82	88.41	7.3	33.53	8.1	25.1	0.98
F06	28 Aug 2018	36	13.77	88.49	7.3	33.53	8.1	25.1	0.83
F06	28 Aug 2018	37	13.63	88.77	7.3	33.53	8.1	25.1	0.78
F06	28 Aug 2018	38	13.58	89.12	7.3	33.53	8.1	25.1	0.73
F06	28 Aug 2018	39	13.54	89.20	7.3	33.53	8.1	25.1	0.75
F06	28 Aug 2018	40	13.44	89.38	7.2	33.53	8.1	25.2	0.62
F06	28 Aug 2018	41	13.38	89.40	7.2	33.53	8.1	25.2	0.59
F06	28 Aug 2018	42	13.29	89.44	7.1	33.54	8.1	25.2	0.58
F06	28 Aug 2018	43	13.08	89.33	6.9	33.54	8.1	25.2	0.56
F06	28 Aug 2018	44	12.96	89.43	6.8	33.54	8.1	25.3	0.55
F06	28 Aug 2018	45	12.95	89.45	6.8	33.54	8.1	25.3	0.52
F06	28 Aug 2018	46	12.82	89.43	6.7	33.54	8.1	25.3	0.51
F06	28 Aug 2018	47	12.69	89.49	6.5	33.55	8.0	25.3	0.47
F06	28 Aug 2018	48	12.58	89.38	6.4	33.55	8.0	25.4	0.43
F06	28 Aug 2018	49	12.46	88.98	6.2	33.56	8.0	25.4	0.37
F06	28 Aug 2018	50	12.34	88.59	6.0	33.56	8.0	25.4	0.33
F06	28 Aug 2018	51	12.31	88.44	6.0	33.56	8.0	25.4	0.35
F06	28 Aug 2018	52	12.31	88.39	6.0	33.56	8.0	25.4	0.30
F06	28 Aug 2018	53	12.30	88.32	6.0	33.56	8.0	25.4	0.29
F06	28 Aug 2018	54	12.30	88.15	6.0	33.56	8.0	25.4	0.28
F06	28 Aug 2018	55	12.30	88.02	6.0	33.56	8.0	25.4	0.28
F06	28 Aug 2018	56	12.30	88.00	5.9	33.56	8.0	25.4	0.28
F06	28 Aug 2018	57	12.30	87.88	5.9	33.56	8.0	25.4	0.29
F06	28 Aug 2018	58	12.30	87.88	5.9	33.56	8.0	25.4	0.29
F06	28 Aug 2018	59	12.28	87.88	5.9	33.56	8.0	25.4	0.29
F06	28 Aug 2018	60	12.28	87.94	5.9	33.56	8.0	25.4	0.34
F06	28 Aug 2018	61	12.27	88.00	5.9	33.56	8.0	25.4	0.30
F07	28 Aug 2018	1	23.43	82.11	8.0	33.83	8.3	22.9	0.40
F07	28 Aug 2018	2	23.44	82.40	8.0	33.83	8.3	22.9	0.41
F07	28 Aug 2018	3	23.45	81.99	8.0	33.83	8.3	22.9	0.41
F07	28 Aug 2018	4	23.42	82.59	8.0	33.83	8.3	22.9	0.46
F07	28 Aug 2018	5	23.26	82.62	8.0	33.83	8.3	23.0	0.57
F07	28 Aug 2018	6	22.99	82.56	8.0	33.82	8.3	23.0	0.62
F07	28 Aug 2018	7	21.51	82.23	8.3	33.75	8.3	23.4	0.63
F07	28 Aug 2018	8	20.24	81.71	8.6	33.69	8.3	23.7	0.56
F07	28 Aug 2018	9	20.04	82.21	8.6	33.66	8.3	23.7	0.55
F07	28 Aug 2018	10	19.07	82.25	8.6	33.62	8.3	24.0	0.53
F07	28 Aug 2018	11	18.26	84.05	8.9	33.58	8.2	24.1	0.49
F07	28 Aug 2018	12	18.31	84.08	8.8	33.57	8.2	24.1	0.49
F07	28 Aug 2018	13	17.93	83.91	8.8	33.57	8.2	24.2	0.57
F07	28 Aug 2018	14	17.67	83.12	8.8	33.56	8.2	24.3	0.71
F07	28 Aug 2018	15	17.56	82.96	8.8	33.56	8.2	24.3	0.83
F07	28 Aug 2018	16	17.11	82.54	8.7	33.56	8.2	24.4	0.97
F07	28 Aug 2018	17	16.56	82.30	8.8	33.54	8.2	24.5	1.24
F07	28 Aug 2018	18	16.20	82.88	8.8	33.53	8.2	24.6	1.24
F07	28 Aug 2018	19	15.78	83.51	8.7	33.53	8.2	24.7	1.33
F07	28 Aug 2018	20	15.41	84.22	8.5	33.53	8.2	24.7	1.37
F07	28 Aug 2018	21	15.26	84.54	8.4	33.53	8.2	24.8	1.42
F07	28 Aug 2018	22	15.11	85.08	8.3	33.52	8.2	24.8	1.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	28 Aug 2018	23	14.63	84.96	8.3	33.53	8.2	24.9	1.65
F07	28 Aug 2018	24	14.61	84.83	8.3	33.53	8.2	24.9	1.87
F07	28 Aug 2018	25	14.49	84.61	8.2	33.53	8.2	24.9	2.10
F07	28 Aug 2018	26	14.40	84.30	8.2	33.53	8.2	25.0	2.33
F07	28 Aug 2018	27	14.33	84.28	8.1	33.53	8.2	25.0	2.56
F07	28 Aug 2018	28	14.16	85.01	7.9	33.53	8.2	25.0	2.62
F07	28 Aug 2018	29	14.02	86.32	7.8	33.52	8.1	25.0	2.39
F07	28 Aug 2018	30	13.94	86.89	7.7	33.52	8.1	25.1	2.12
F07	28 Aug 2018	31	13.92	87.52	7.7	33.52	8.1	25.1	1.65
F07	28 Aug 2018	32	13.89	87.82	7.6	33.52	8.1	25.1	1.37
F07	28 Aug 2018	33	13.80	88.30	7.5	33.53	8.1	25.1	1.15
F07	28 Aug 2018	34	13.74	88.66	7.4	33.53	8.1	25.1	0.91
F07	28 Aug 2018	35	13.70	88.74	7.2	33.53	8.1	25.1	0.71
F07	28 Aug 2018	36	13.65	88.72	7.2	33.53	8.1	25.1	0.61
F07	28 Aug 2018	37	13.63	88.81	7.1	33.53	8.1	25.1	0.63
F07	28 Aug 2018	38	13.60	88.69	7.1	33.53	8.1	25.1	0.56
F07	28 Aug 2018	39	13.59	88.68	7.0	33.53	8.1	25.1	0.55
F07	28 Aug 2018	40	13.51	88.76	7.0	33.53	8.1	25.2	0.62
F07	28 Aug 2018	41	13.44	88.96	7.0	33.53	8.1	25.2	0.65
F07	28 Aug 2018	42	13.38	88.99	7.0	33.54	8.1	25.2	0.67
F07	28 Aug 2018	43	13.34	88.96	7.0	33.54	8.1	25.2	0.64
F07	28 Aug 2018	44	13.32	88.92	6.9	33.54	8.1	25.2	0.63
F07	28 Aug 2018	45	13.27	88.87	6.9	33.54	8.1	25.2	0.63
F07	28 Aug 2018	46	13.23	88.87	6.9	33.54	8.1	25.2	0.61
F07	28 Aug 2018	47	13.22	88.95	6.9	33.54	8.1	25.2	0.63
F07	28 Aug 2018	48	13.20	89.10	6.9	33.54	8.1	25.2	0.63
F07	28 Aug 2018	49	13.12	89.28	6.8	33.54	8.1	25.2	0.59
F07	28 Aug 2018	50	13.06	89.33	6.8	33.54	8.1	25.2	0.54
F07	28 Aug 2018	51	12.91	89.42	6.7	33.54	8.0	25.3	0.51
F07	28 Aug 2018	52	12.86	89.46	6.6	33.54	8.0	25.3	0.49
F07	28 Aug 2018	53	12.75	89.16	6.4	33.55	8.0	25.3	0.45
F07	28 Aug 2018	54	12.60	88.79	6.3	33.55	8.0	25.3	0.42
F07	28 Aug 2018	55	12.46	88.65	6.2	33.55	8.0	25.4	0.38
F07	28 Aug 2018	56	12.40	88.71	6.1	33.55	8.0	25.4	0.35
F07	28 Aug 2018	57	12.32	88.26	6.0	33.56	8.0	25.4	0.31
F07	28 Aug 2018	58	12.28	87.90	5.9	33.56	8.0	25.4	0.28
F07	28 Aug 2018	59	12.16	87.65	5.7	33.56	8.0	25.4	0.25
F07	28 Aug 2018	60	12.12	87.55	5.7	33.56	8.0	25.4	0.21
F07	28 Aug 2018	61	12.10	87.23	5.6	33.56	8.0	25.5	0.20
F07	28 Aug 2018	62	12.09	86.51	5.6	33.56	7.9	25.5	0.20
F07	28 Aug 2018	63	12.09	86.34	5.6	33.56	7.9	25.5	0.20
F07	28 Aug 2018	64	12.09	86.26	5.6	33.56	7.9	25.5	0.19
F08	28 Aug 2018	1	22.89	71.82	8.1	33.81	8.3	23.1	0.46
F08	28 Aug 2018	2	22.84	79.60	8.0	33.77	8.3	23.1	0.51
F08	28 Aug 2018	3	21.77	81.24	8.0	33.79	8.3	23.4	0.55
F08	28 Aug 2018	4	19.12	81.67	8.6	33.67	8.3	24.0	0.58
F08	28 Aug 2018	5	18.44	81.63	8.8	33.60	8.2	24.1	0.62
F08	28 Aug 2018	6	17.98	82.13	8.9	33.57	8.2	24.2	0.71
F08	28 Aug 2018	7	17.34	82.65	8.9	33.55	8.2	24.3	0.79
F08	28 Aug 2018	8	17.14	82.52	8.8	33.54	8.2	24.4	0.91
F08	28 Aug 2018	9	16.37	82.44	8.7	33.54	8.2	24.5	1.05
F08	28 Aug 2018	10	15.67	83.58	8.7	33.51	8.2	24.7	1.19
F08	28 Aug 2018	11	15.30	83.84	8.5	33.51	8.2	24.8	1.32
F08	28 Aug 2018	12	15.15	84.20	8.4	33.51	8.2	24.8	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	28 Aug 2018	13	14.92	84.38	8.3	33.52	8.2	24.8	1.54
F08	28 Aug 2018	14	14.61	84.63	8.2	33.52	8.2	24.9	1.74
F08	28 Aug 2018	15	14.40	84.53	8.2	33.52	8.2	25.0	1.98
F08	28 Aug 2018	16	14.28	84.70	8.1	33.52	8.2	25.0	2.22
F08	28 Aug 2018	17	14.10	85.67	7.9	33.52	8.2	25.0	2.15
F08	28 Aug 2018	18	13.94	86.73	7.7	33.52	8.1	25.1	1.82
F08	28 Aug 2018	19	13.89	87.56	7.6	33.53	8.1	25.1	1.43
F08	28 Aug 2018	20	13.87	87.79	7.6	33.52	8.1	25.1	1.25
F08	28 Aug 2018	21	13.88	87.94	7.6	33.53	8.1	25.1	1.21
F08	28 Aug 2018	22	13.86	88.08	7.5	33.53	8.1	25.1	1.16
F08	28 Aug 2018	23	13.83	88.58	7.5	33.53	8.1	25.1	0.99
F08	28 Aug 2018	24	13.79	88.71	7.4	33.53	8.1	25.1	0.92
F08	28 Aug 2018	25	13.75	88.97	7.3	33.53	8.1	25.1	0.84
F08	28 Aug 2018	26	13.71	89.10	7.3	33.54	8.1	25.1	0.77
F08	28 Aug 2018	27	13.68	89.13	7.2	33.54	8.1	25.1	0.74
F08	28 Aug 2018	28	13.59	88.89	7.0	33.54	8.1	25.1	0.59
F08	28 Aug 2018	29	13.54	88.63	7.0	33.54	8.1	25.2	0.50
F08	28 Aug 2018	30	13.48	88.56	6.9	33.54	8.1	25.2	0.47
F08	28 Aug 2018	31	13.45	88.62	6.8	33.53	8.1	25.2	0.43
F08	28 Aug 2018	32	13.41	88.66	6.8	33.54	8.1	25.2	0.44
F08	28 Aug 2018	33	13.35	88.81	6.7	33.54	8.1	25.2	0.46
F08	28 Aug 2018	34	13.29	89.06	6.7	33.54	8.0	25.2	0.51
F08	28 Aug 2018	35	13.21	89.04	6.7	33.54	8.1	25.2	0.49
F08	28 Aug 2018	36	13.19	88.98	6.7	33.54	8.1	25.2	0.53
F08	28 Aug 2018	37	13.16	89.18	6.8	33.54	8.1	25.2	0.55
F08	28 Aug 2018	38	13.12	89.29	6.8	33.54	8.1	25.2	0.50
F08	28 Aug 2018	39	13.09	89.42	6.8	33.54	8.1	25.2	0.51
F08	28 Aug 2018	40	13.03	89.44	6.8	33.54	8.1	25.3	0.53
F08	28 Aug 2018	41	13.00	89.42	6.8	33.54	8.0	25.3	0.50
F08	28 Aug 2018	42	12.97	89.47	6.7	33.54	8.0	25.3	0.49
F08	28 Aug 2018	43	12.91	89.44	6.6	33.54	8.0	25.3	0.52
F08	28 Aug 2018	44	12.89	88.88	6.6	33.54	8.0	25.3	0.51
F08	28 Aug 2018	45	12.82	88.34	6.4	33.54	8.0	25.3	0.44
F08	28 Aug 2018	46	12.80	88.08	6.3	33.54	8.0	25.3	0.42
F08	28 Aug 2018	47	12.72	88.12	6.3	33.55	8.0	25.3	0.39
F08	28 Aug 2018	48	12.65	87.93	6.2	33.55	8.0	25.3	0.40
F08	28 Aug 2018	49	12.53	87.28	6.1	33.55	8.0	25.4	0.33
F08	28 Aug 2018	50	12.48	87.16	6.0	33.55	8.0	25.4	0.32
F08	28 Aug 2018	51	12.47	87.18	6.0	33.55	8.0	25.4	0.29
F08	28 Aug 2018	52	12.40	87.54	5.9	33.55	8.0	25.4	0.29
F08	28 Aug 2018	53	12.37	88.41	5.9	33.54	8.0	25.4	0.28
F08	28 Aug 2018	54	12.27	88.28	5.8	33.54	8.0	25.4	0.22
F08	28 Aug 2018	55	12.27	88.16	5.8	33.54	8.0	25.4	0.20
F08	28 Aug 2018	56	12.25	88.05	5.8	33.54	8.0	25.4	0.19
F08	28 Aug 2018	57	12.24	87.74	5.8	33.54	8.0	25.4	0.22
F08	28 Aug 2018	58	12.20	87.34	5.7	33.54	8.0	25.4	0.22
F08	28 Aug 2018	59	12.17	86.62	5.6	33.54	7.9	25.4	0.19
F08	28 Aug 2018	60	12.16	86.07	5.6	33.54	7.9	25.4	0.21
F08	28 Aug 2018	61	12.17	85.97	5.6	33.54	7.9	25.4	0.17
F08	28 Aug 2018	62	12.17	85.90	5.6	33.55	7.9	25.4	0.18
F09	28 Aug 2018	1	22.77	80.86	8.1	33.80	8.3	23.1	0.58
F09	28 Aug 2018	2	22.66	80.75	8.2	33.80	8.3	23.1	0.66
F09	28 Aug 2018	3	22.49	81.04	8.1	33.79	8.3	23.2	0.75
F09	28 Aug 2018	4	21.78	80.95	8.3	33.77	8.3	23.3	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	28 Aug 2018	5	21.00	81.62	8.2	33.72	8.3	23.5	0.76
F09	28 Aug 2018	6	18.14	82.11	8.7	33.63	8.2	24.2	0.83
F09	28 Aug 2018	7	17.54	81.98	8.8	33.55	8.2	24.3	0.97
F09	28 Aug 2018	8	16.82	81.82	8.8	33.54	8.2	24.4	1.21
F09	28 Aug 2018	9	16.68	82.06	8.7	33.53	8.2	24.5	1.39
F09	28 Aug 2018	10	16.08	82.15	8.7	33.52	8.2	24.6	1.58
F09	28 Aug 2018	11	15.86	82.85	8.7	33.51	8.2	24.6	1.60
F09	28 Aug 2018	12	15.45	83.43	8.6	33.51	8.2	24.7	1.71
F09	28 Aug 2018	13	15.31	83.70	8.4	33.52	8.2	24.8	1.75
F09	28 Aug 2018	14	14.93	84.02	8.3	33.52	8.2	24.8	1.92
F09	28 Aug 2018	15	14.83	84.19	8.2	33.52	8.2	24.9	2.11
F09	28 Aug 2018	16	14.59	84.32	8.1	33.52	8.2	24.9	2.33
F09	28 Aug 2018	17	14.39	84.75	8.0	33.52	8.2	25.0	2.35
F09	28 Aug 2018	18	14.27	85.39	8.0	33.52	8.2	25.0	2.25
F09	28 Aug 2018	19	14.18	85.65	7.9	33.52	8.2	25.0	2.26
F09	28 Aug 2018	20	14.08	85.74	7.8	33.53	8.1	25.0	2.26
F09	28 Aug 2018	21	13.99	86.26	7.7	33.53	8.1	25.1	2.17
F09	28 Aug 2018	22	13.88	87.33	7.6	33.53	8.1	25.1	1.77
F09	28 Aug 2018	23	13.87	87.87	7.5	33.53	8.1	25.1	1.39
F09	28 Aug 2018	24	13.87	88.21	7.5	33.53	8.1	25.1	1.19
F09	28 Aug 2018	25	13.82	88.38	7.4	33.53	8.1	25.1	1.07
F09	28 Aug 2018	26	13.78	88.53	7.3	33.53	8.1	25.1	0.93
F09	28 Aug 2018	27	13.73	88.84	7.3	33.54	8.1	25.1	0.80
F09	28 Aug 2018	28	13.70	89.01	7.2	33.54	8.1	25.1	0.73
F09	28 Aug 2018	29	13.61	89.06	7.0	33.54	8.1	25.1	0.58
F09	28 Aug 2018	30	13.55	89.14	7.0	33.54	8.1	25.2	0.50
F09	28 Aug 2018	31	13.53	89.22	7.0	33.54	8.1	25.2	0.44
F09	28 Aug 2018	32	13.53	89.25	7.0	33.54	8.1	25.2	0.38
F09	28 Aug 2018	33	13.51	89.27	7.0	33.54	8.1	25.2	0.35
F09	28 Aug 2018	34	13.50	89.25	7.0	33.54	8.1	25.2	0.36
F09	28 Aug 2018	35	13.49	89.25	7.0	33.54	8.1	25.2	0.36
F09	28 Aug 2018	36	13.46	89.19	6.8	33.54	8.1	25.2	0.36
F09	28 Aug 2018	37	13.38	88.84	6.7	33.54	8.1	25.2	0.38
F09	28 Aug 2018	38	13.31	88.25	6.6	33.54	8.0	25.2	0.36
F09	28 Aug 2018	39	13.31	88.18	6.5	33.54	8.0	25.2	0.34
F09	28 Aug 2018	40	13.27	88.21	6.5	33.54	8.0	25.2	0.35
F09	28 Aug 2018	41	13.22	88.26	6.4	33.54	8.0	25.2	0.38
F09	28 Aug 2018	42	13.20	88.12	6.4	33.54	8.0	25.2	0.38
F09	28 Aug 2018	43	13.11	88.19	6.3	33.54	8.0	25.2	0.39
F09	28 Aug 2018	44	13.06	88.25	6.3	33.54	8.0	25.3	0.36
F09	28 Aug 2018	45	13.01	88.73	6.3	33.54	8.0	25.3	0.39
F09	28 Aug 2018	46	13.00	88.64	6.3	33.54	8.0	25.3	0.38
F09	28 Aug 2018	47	12.90	88.43	6.3	33.54	8.0	25.3	0.38
F09	28 Aug 2018	48	12.87	88.45	6.3	33.54	8.0	25.3	0.39
F09	28 Aug 2018	49	12.77	88.52	6.3	33.55	8.0	25.3	0.38
F09	28 Aug 2018	50	12.68	88.22	6.2	33.55	8.0	25.3	0.36
F09	28 Aug 2018	51	12.62	87.86	6.2	33.55	8.0	25.3	0.34
F09	28 Aug 2018	52	12.60	87.78	6.1	33.55	8.0	25.3	0.31
F09	28 Aug 2018	53	12.60	87.58	6.1	33.55	8.0	25.3	0.33
F09	28 Aug 2018	54	12.57	87.48	6.0	33.55	8.0	25.4	0.32
F09	28 Aug 2018	55	12.42	87.25	5.9	33.55	8.0	25.4	0.26
F09	28 Aug 2018	56	12.37	87.52	5.9	33.55	8.0	25.4	0.24
F09	28 Aug 2018	57	12.31	87.03	5.8	33.55	8.0	25.4	0.22
F09	28 Aug 2018	58	12.28	86.74	5.7	33.55	8.0	25.4	0.20
F09	28 Aug 2018	59	12.23	86.31	5.6	33.55	8.0	25.4	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	28 Aug 2018	60	12.23	86.09	5.6	33.55	7.9	25.4	0.18
F09	28 Aug 2018	61	12.23	86.11	5.6	33.55	7.9	25.4	0.19
F09	28 Aug 2018	62	12.23	85.85	5.6	33.55	7.9	25.4	0.17
F09	28 Aug 2018	63	12.24	85.79	5.6	33.55	7.9	25.4	0.19
F10	28 Aug 2018	1	22.52	79.84	8.0	33.81	8.3	23.2	0.63
F10	28 Aug 2018	2	22.39	80.23	8.0	33.80	8.3	23.2	0.69
F10	28 Aug 2018	3	22.21	79.85	7.9	33.80	8.3	23.3	0.72
F10	28 Aug 2018	4	21.21	78.98	8.0	33.78	8.2	23.5	0.94
F10	28 Aug 2018	5	20.08	80.09	8.3	33.72	8.2	23.8	1.08
F10	28 Aug 2018	6	19.44	81.42	8.5	33.65	8.2	23.9	0.96
F10	28 Aug 2018	7	17.69	81.71	8.5	33.65	8.2	24.3	0.99
F10	28 Aug 2018	8	16.85	81.93	8.8	33.54	8.2	24.4	1.19
F10	28 Aug 2018	9	16.23	82.32	8.7	33.55	8.2	24.6	1.32
F10	28 Aug 2018	10	15.90	83.11	8.7	33.52	8.2	24.6	1.41
F10	28 Aug 2018	11	15.64	84.00	8.6	33.53	8.2	24.7	1.32
F10	28 Aug 2018	12	15.55	84.17	8.5	33.52	8.2	24.7	1.33
F10	28 Aug 2018	13	15.36	84.25	8.4	33.53	8.2	24.8	1.40
F10	28 Aug 2018	14	15.24	84.56	8.4	33.53	8.2	24.8	1.49
F10	28 Aug 2018	15	14.96	84.46	8.3	33.53	8.2	24.8	1.69
F10	28 Aug 2018	16	14.83	84.48	8.2	33.53	8.2	24.9	2.00
F10	28 Aug 2018	17	14.61	85.01	8.0	33.53	8.2	24.9	2.14
F10	28 Aug 2018	18	14.32	85.86	7.9	33.53	8.2	25.0	2.04
F10	28 Aug 2018	19	14.11	86.67	7.8	33.53	8.1	25.0	1.82
F10	28 Aug 2018	20	14.00	87.23	7.7	33.53	8.1	25.1	1.65
F10	28 Aug 2018	21	13.92	87.65	7.6	33.53	8.1	25.1	1.41
F10	28 Aug 2018	22	13.87	87.93	7.5	33.53	8.1	25.1	1.22
F10	28 Aug 2018	23	13.84	88.36	7.4	33.53	8.1	25.1	1.03
F10	28 Aug 2018	24	13.79	88.64	7.3	33.53	8.1	25.1	0.79
F10	28 Aug 2018	25	13.72	88.97	7.3	33.53	8.1	25.1	0.64
F10	28 Aug 2018	26	13.67	89.05	7.2	33.54	8.1	25.1	0.54
F10	28 Aug 2018	27	13.61	89.13	7.1	33.54	8.1	25.1	0.55
F10	28 Aug 2018	28	13.58	89.10	7.0	33.54	8.1	25.1	0.45
F10	28 Aug 2018	29	13.57	89.18	7.1	33.54	8.1	25.1	0.45
F10	28 Aug 2018	30	13.57	89.21	7.1	33.54	8.1	25.1	0.44
F10	28 Aug 2018	31	13.56	89.19	7.0	33.54	8.1	25.1	0.49
F10	28 Aug 2018	32	13.56	89.18	7.0	33.54	8.1	25.1	0.46
F10	28 Aug 2018	33	13.38	89.11	6.8	33.54	8.1	25.2	0.38
F10	28 Aug 2018	34	13.25	89.02	6.7	33.54	8.0	25.2	0.33
F10	28 Aug 2018	35	13.19	89.00	6.6	33.54	8.0	25.2	0.33
F10	28 Aug 2018	36	13.19	89.02	6.6	33.54	8.0	25.2	0.33
F10	28 Aug 2018	37	13.17	88.95	6.6	33.54	8.0	25.2	0.33
F10	28 Aug 2018	38	13.17	88.78	6.5	33.54	8.0	25.2	0.30
F10	28 Aug 2018	39	13.17	88.66	6.5	33.54	8.0	25.2	0.29
F10	28 Aug 2018	40	13.17	88.52	6.4	33.54	8.0	25.2	0.28
F10	28 Aug 2018	41	13.14	88.35	6.4	33.54	8.0	25.2	0.28
F10	28 Aug 2018	42	13.10	88.42	6.4	33.54	8.0	25.2	0.27
F10	28 Aug 2018	43	13.08	88.47	6.3	33.54	8.0	25.2	0.26
F10	28 Aug 2018	44	13.05	88.54	6.3	33.54	8.0	25.3	0.27
F10	28 Aug 2018	45	13.02	88.72	6.3	33.54	8.0	25.3	0.34
F10	28 Aug 2018	46	13.01	88.71	6.3	33.54	8.0	25.3	0.29
F10	28 Aug 2018	47	12.96	88.52	6.2	33.54	8.0	25.3	0.32
F10	28 Aug 2018	48	12.93	88.23	6.2	33.54	8.0	25.3	0.34
F10	28 Aug 2018	49	12.93	88.14	6.2	33.54	8.0	25.3	0.29
F10	28 Aug 2018	50	12.90	87.68	6.1	33.55	8.0	25.3	0.29

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	28 Aug 2018	51	12.88	87.42	6.1	33.55	8.0	25.3	0.30
F10	28 Aug 2018	52	12.87	87.31	6.1	33.55	8.0	25.3	0.30
F10	28 Aug 2018	53	12.86	87.20	6.1	33.55	8.0	25.3	0.29
F10	28 Aug 2018	54	12.85	87.07	6.0	33.55	8.0	25.3	0.29
F10	28 Aug 2018	55	12.70	86.28	5.9	33.55	8.0	25.3	0.25
F10	28 Aug 2018	56	12.55	85.36	5.7	33.55	8.0	25.4	0.21
F10	28 Aug 2018	57	12.46	85.13	5.6	33.55	7.9	25.4	0.20
F10	28 Aug 2018	58	12.41	85.01	5.6	33.55	7.9	25.4	0.17
F10	28 Aug 2018	59	12.37	84.75	5.5	33.55	7.9	25.4	0.14
F10	28 Aug 2018	60	12.37	84.80	5.5	33.55	7.9	25.4	0.13
F10	28 Aug 2018	61	12.36	84.67	5.5	33.55	7.9	25.4	0.13
F10	28 Aug 2018	62	12.36	84.56	5.5	33.55	7.9	25.4	0.13
F11	28 Aug 2018	1	22.27	80.60	8.2	33.79	8.3	23.2	0.75
F11	28 Aug 2018	2	22.27	80.57	8.2	33.79	8.3	23.2	0.73
F11	28 Aug 2018	3	22.24	80.59	8.2	33.79	8.3	23.2	0.77
F11	28 Aug 2018	4	22.24	80.37	8.2	33.79	8.3	23.2	0.89
F11	28 Aug 2018	5	22.14	78.81	8.1	33.79	8.3	23.3	1.19
F11	28 Aug 2018	6	21.93	78.49	7.9	33.79	8.3	23.3	1.48
F11	28 Aug 2018	7	21.12	78.94	8.0	33.76	8.2	23.5	1.58
F11	28 Aug 2018	8	20.00	79.66	8.1	33.69	8.2	23.8	1.63
F11	28 Aug 2018	9	17.80	81.36	8.6	33.61	8.2	24.3	1.50
F11	28 Aug 2018	10	16.42	82.35	8.9	33.54	8.2	24.5	1.37
F11	28 Aug 2018	11	16.22	83.30	8.8	33.52	8.2	24.6	1.77
F11	28 Aug 2018	12	15.87	83.95	8.8	33.52	8.2	24.6	1.35
F11	28 Aug 2018	13	15.72	84.09	8.6	33.51	8.2	24.7	1.35
F11	28 Aug 2018	14	15.29	84.70	8.5	33.52	8.2	24.8	1.45
F11	28 Aug 2018	15	15.20	84.74	8.4	33.51	8.2	24.8	1.51
F11	28 Aug 2018	16	15.08	84.78	8.4	33.51	8.2	24.8	1.68
F11	28 Aug 2018	17	15.08	84.81	8.3	33.52	8.2	24.8	1.72
F11	28 Aug 2018	18	14.88	84.75	8.2	33.52	8.2	24.9	1.90
F11	28 Aug 2018	19	14.66	84.75	8.1	33.52	8.2	24.9	2.14
F11	28 Aug 2018	20	14.67	85.04	8.1	33.52	8.2	24.9	2.18
F11	28 Aug 2018	21	14.53	85.52	7.9	33.53	8.2	24.9	2.03
F11	28 Aug 2018	22	14.20	86.58	7.8	33.53	8.1	25.0	1.82
F11	28 Aug 2018	23	14.03	87.10	7.8	33.53	8.1	25.0	1.64
F11	28 Aug 2018	24	13.95	87.96	7.6	33.53	8.1	25.1	1.28
F11	28 Aug 2018	25	13.82	88.37	7.5	33.53	8.1	25.1	0.99
F11	28 Aug 2018	26	13.73	88.54	7.3	33.53	8.1	25.1	0.88
F11	28 Aug 2018	27	13.71	88.95	7.2	33.53	8.1	25.1	0.66
F11	28 Aug 2018	28	13.64	89.04	7.2	33.53	8.1	25.1	0.55
F11	28 Aug 2018	29	13.61	88.93	7.1	33.54	8.1	25.1	0.49
F11	28 Aug 2018	30	13.59	89.15	7.1	33.54	8.1	25.1	0.44
F11	28 Aug 2018	31	13.55	89.19	7.1	33.54	8.1	25.1	0.43
F11	28 Aug 2018	32	13.52	89.20	7.1	33.54	8.1	25.2	0.48
F11	28 Aug 2018	33	13.49	89.24	7.0	33.54	8.1	25.2	0.51
F11	28 Aug 2018	34	13.42	89.32	7.0	33.54	8.1	25.2	0.50
F11	28 Aug 2018	35	13.36	89.37	6.9	33.54	8.1	25.2	0.52
F11	28 Aug 2018	36	13.30	89.37	6.8	33.54	8.1	25.2	0.44
F11	28 Aug 2018	37	13.24	89.38	6.8	33.54	8.0	25.2	0.40
F11	28 Aug 2018	38	13.23	89.29	6.7	33.54	8.0	25.2	0.38
F11	28 Aug 2018	39	13.16	89.29	6.6	33.54	8.0	25.2	0.35
F11	28 Aug 2018	40	13.13	89.14	6.6	33.54	8.0	25.2	0.35
F11	28 Aug 2018	41	13.11	89.36	6.6	33.54	8.0	25.2	0.32
F11	28 Aug 2018	42	13.09	89.35	6.5	33.54	8.0	25.2	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	28 Aug 2018	43	13.07	89.42	6.5	33.54	8.0	25.2	0.30
F11	28 Aug 2018	44	13.07	89.29	6.5	33.54	8.0	25.2	0.29
F11	28 Aug 2018	45	13.05	89.13	6.5	33.54	8.0	25.3	0.31
F11	28 Aug 2018	46	13.04	88.98	6.4	33.54	8.0	25.3	0.30
F11	28 Aug 2018	47	13.05	88.78	6.4	33.54	8.0	25.3	0.31
F11	28 Aug 2018	48	13.04	88.40	6.3	33.54	8.0	25.3	0.32
F11	28 Aug 2018	49	13.03	88.08	6.2	33.54	8.0	25.3	0.26
F11	28 Aug 2018	50	13.01	87.43	6.1	33.55	8.0	25.3	0.25
F11	28 Aug 2018	51	12.94	86.64	6.0	33.55	8.0	25.3	0.26
F11	28 Aug 2018	52	12.92	86.21	6.0	33.55	8.0	25.3	0.25
F11	28 Aug 2018	53	12.88	86.14	5.9	33.55	8.0	25.3	0.24
F11	28 Aug 2018	54	12.87	86.13	5.9	33.55	8.0	25.3	0.23
F11	28 Aug 2018	55	12.86	85.96	5.9	33.55	8.0	25.3	0.22
F11	28 Aug 2018	56	12.82	85.93	5.8	33.55	8.0	25.3	0.20
F11	28 Aug 2018	57	12.82	85.85	5.8	33.55	8.0	25.3	0.20
F11	28 Aug 2018	58	12.70	85.31	5.7	33.55	8.0	25.3	0.19
F11	28 Aug 2018	59	12.64	85.40	5.6	33.55	7.9	25.3	0.16
F11	28 Aug 2018	60	12.50	84.53	5.5	33.55	7.9	25.4	0.14
F11	28 Aug 2018	61	12.47	83.66	5.5	33.55	7.9	25.4	0.13
F12	28 Aug 2018	1	23.51	83.63	7.9	33.84	8.3	22.9	0.47
F12	28 Aug 2018	2	23.37	83.58	7.9	33.84	8.3	22.9	0.58
F12	28 Aug 2018	3	23.29	83.29	8.0	33.83	8.3	23.0	0.67
F12	28 Aug 2018	4	23.20	82.46	7.9	33.82	8.3	23.0	0.73
F12	28 Aug 2018	5	22.81	82.42	8.1	33.81	8.3	23.1	0.93
F12	28 Aug 2018	6	22.59	81.59	8.1	33.80	8.3	23.1	0.96
F12	28 Aug 2018	7	22.38	81.28	8.2	33.78	8.3	23.2	1.22
F12	28 Aug 2018	8	22.08	81.05	8.0	33.78	8.3	23.3	1.35
F12	28 Aug 2018	9	20.09	80.63	8.4	33.71	8.3	23.8	1.55
F12	28 Aug 2018	10	18.84	82.17	8.6	33.63	8.2	24.0	1.50
F12	28 Aug 2018	11	17.15	83.84	9.0	33.56	8.2	24.4	1.17
F12	28 Aug 2018	12	16.97	84.21	8.8	33.54	8.2	24.4	1.11
F12	28 Aug 2018	13	16.08	84.40	8.8	33.52	8.2	24.6	1.12
F12	28 Aug 2018	14	16.15	84.37	8.7	33.51	8.2	24.6	1.16
F12	28 Aug 2018	15	15.65	84.23	8.5	33.52	8.2	24.7	1.26
F12	28 Aug 2018	16	15.53	84.62	8.5	33.51	8.2	24.7	1.32
F12	28 Aug 2018	17	15.15	84.77	8.4	33.52	8.2	24.8	1.49
F12	28 Aug 2018	18	14.91	84.81	8.3	33.52	8.2	24.9	1.68
F12	28 Aug 2018	19	14.71	85.07	8.2	33.52	8.2	24.9	1.93
F12	28 Aug 2018	20	14.55	85.36	8.2	33.52	8.2	24.9	1.99
F12	28 Aug 2018	21	14.52	85.47	8.1	33.52	8.2	24.9	2.05
F12	28 Aug 2018	22	14.49	85.51	8.1	33.52	8.2	24.9	2.06
F12	28 Aug 2018	23	14.46	85.52	8.0	33.52	8.2	25.0	2.07
F12	28 Aug 2018	24	14.47	85.58	8.0	33.53	8.2	25.0	2.15
F12	28 Aug 2018	25	14.45	85.53	8.0	33.53	8.2	25.0	2.13
F12	28 Aug 2018	26	14.38	85.94	7.9	33.53	8.1	25.0	1.97
F12	28 Aug 2018	27	14.34	86.32	7.9	33.53	8.1	25.0	1.80
F12	28 Aug 2018	28	14.32	86.74	7.8	33.53	8.1	25.0	1.68
F12	28 Aug 2018	29	13.89	87.81	7.6	33.54	8.1	25.1	1.36
F12	28 Aug 2018	30	13.74	88.21	7.5	33.53	8.1	25.1	1.06
F12	28 Aug 2018	31	13.70	88.69	7.3	33.53	8.1	25.1	0.85
F12	28 Aug 2018	32	13.61	88.95	7.2	33.53	8.1	25.1	0.63
F12	28 Aug 2018	33	13.58	89.02	7.1	33.53	8.1	25.1	0.55
F12	28 Aug 2018	34	13.53	89.02	7.0	33.53	8.1	25.2	0.52
F12	28 Aug 2018	35	13.53	89.02	7.0	33.54	8.1	25.2	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	28 Aug 2018	36	13.44	89.05	7.0	33.54	8.1	25.2	0.58
F12	28 Aug 2018	37	13.40	89.02	7.0	33.54	8.1	25.2	0.72
F12	28 Aug 2018	38	13.30	89.07	6.9	33.54	8.1	25.2	0.62
F12	28 Aug 2018	39	13.21	89.12	6.7	33.54	8.0	25.2	0.52
F12	28 Aug 2018	40	13.12	89.13	6.6	33.54	8.0	25.2	0.42
F12	28 Aug 2018	41	13.10	89.18	6.5	33.54	8.0	25.2	0.39
F12	28 Aug 2018	42	13.08	89.20	6.5	33.54	8.0	25.2	0.36
F12	28 Aug 2018	43	13.05	89.22	6.5	33.54	8.0	25.3	0.36
F12	28 Aug 2018	44	13.03	89.19	6.4	33.54	8.0	25.3	0.32
F12	28 Aug 2018	45	13.02	89.25	6.4	33.54	8.0	25.3	0.31
F12	28 Aug 2018	46	13.02	89.24	6.4	33.54	8.0	25.3	0.30
F12	28 Aug 2018	47	13.02	89.22	6.4	33.54	8.0	25.3	0.28
F12	28 Aug 2018	48	13.02	89.22	6.4	33.54	8.0	25.3	0.30
F12	28 Aug 2018	49	13.01	89.22	6.4	33.54	8.0	25.3	0.28
F12	28 Aug 2018	50	13.02	89.19	6.4	33.54	8.0	25.3	0.29
F12	28 Aug 2018	51	13.01	89.15	6.3	33.54	8.0	25.3	0.28
F12	28 Aug 2018	52	12.95	88.97	6.2	33.54	8.0	25.3	0.26
F12	28 Aug 2018	53	12.80	88.12	6.1	33.55	8.0	25.3	0.23
F12	28 Aug 2018	54	12.77	87.76	6.0	33.55	8.0	25.3	0.20
F12	28 Aug 2018	55	12.68	87.43	5.9	33.55	8.0	25.3	0.18
F12	28 Aug 2018	56	12.62	86.87	5.8	33.55	8.0	25.3	0.17
F12	28 Aug 2018	57	12.55	86.78	5.7	33.55	8.0	25.4	0.14
F12	28 Aug 2018	58	12.51	86.20	5.6	33.55	7.9	25.4	0.13
F12	28 Aug 2018	59	12.48	86.44	5.6	33.55	7.9	25.4	0.18
F12	28 Aug 2018	60	12.42	86.33	5.5	33.55	7.9	25.4	0.11
F12	28 Aug 2018	61	12.37	85.53	5.5	33.54	7.9	25.4	0.09
F12	28 Aug 2018	62	12.33	84.22	5.4	33.54	7.9	25.4	0.08
F13	28 Aug 2018	1	23.37	83.87	7.8	33.83	8.3	22.9	0.39
F13	28 Aug 2018	2	23.38	84.27	7.8	33.83	8.3	22.9	0.45
F13	28 Aug 2018	3	23.36	84.49	7.8	33.83	8.3	22.9	0.50
F13	28 Aug 2018	4	23.36	84.18	7.8	33.83	8.3	22.9	0.49
F13	28 Aug 2018	5	23.35	84.14	7.8	33.83	8.3	22.9	0.55
F13	28 Aug 2018	6	23.30	84.23	7.8	33.83	8.3	23.0	0.56
F13	28 Aug 2018	7	22.86	84.09	7.9	33.80	8.3	23.1	0.62
F13	28 Aug 2018	8	22.02	83.07	8.0	33.79	8.3	23.3	0.72
F13	28 Aug 2018	9	20.02	84.00	8.5	33.70	8.2	23.8	0.69
F13	28 Aug 2018	10	19.46	84.75	8.7	33.62	8.2	23.9	0.66
F13	28 Aug 2018	11	18.61	82.88	8.7	33.62	8.2	24.1	0.89
F13	28 Aug 2018	12	17.93	81.79	8.6	33.60	8.2	24.2	1.29
F13	28 Aug 2018	13	16.70	82.45	8.6	33.56	8.2	24.5	1.67
F13	28 Aug 2018	14	15.93	82.83	8.6	33.52	8.2	24.6	2.02
F13	28 Aug 2018	15	15.52	83.62	8.5	33.52	8.2	24.7	2.07
F13	28 Aug 2018	16	15.42	83.82	8.4	33.51	8.2	24.7	2.08
F13	28 Aug 2018	17	15.34	83.98	8.4	33.52	8.2	24.8	2.09
F13	28 Aug 2018	18	15.17	84.23	8.2	33.52	8.2	24.8	2.02
F13	28 Aug 2018	19	14.96	85.42	8.2	33.52	8.2	24.8	1.84
F13	28 Aug 2018	20	14.77	85.82	8.1	33.52	8.2	24.9	1.73
F13	28 Aug 2018	21	14.67	85.92	8.0	33.52	8.2	24.9	1.59
F13	28 Aug 2018	22	14.62	86.42	8.0	33.52	8.2	24.9	1.49
F13	28 Aug 2018	23	14.43	86.47	7.9	33.53	8.1	25.0	1.53
F13	28 Aug 2018	24	14.34	86.21	7.9	33.52	8.1	25.0	1.72
F13	28 Aug 2018	25	14.36	85.94	7.9	33.53	8.1	25.0	1.79
F13	28 Aug 2018	26	14.10	86.27	7.8	33.53	8.1	25.0	1.78
F13	28 Aug 2018	27	14.06	86.76	7.7	33.52	8.1	25.0	1.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	28 Aug 2018	28	13.83	87.23	7.6	33.53	8.1	25.1	1.61
F13	28 Aug 2018	29	13.77	87.53	7.6	33.53	8.1	25.1	1.46
F13	28 Aug 2018	30	13.68	88.06	7.5	33.53	8.1	25.1	1.33
F13	28 Aug 2018	31	13.61	88.47	7.3	33.53	8.1	25.1	1.05
F13	28 Aug 2018	32	13.51	88.68	7.2	33.54	8.1	25.2	0.91
F13	28 Aug 2018	33	13.49	88.87	7.1	33.54	8.1	25.2	0.81
F13	28 Aug 2018	34	13.50	88.92	7.1	33.54	8.1	25.2	0.65
F13	28 Aug 2018	35	13.46	88.93	7.0	33.54	8.1	25.2	0.60
F13	28 Aug 2018	36	13.43	88.99	6.9	33.54	8.1	25.2	0.51
F13	28 Aug 2018	37	13.38	89.01	6.8	33.54	8.1	25.2	0.40
F13	28 Aug 2018	38	13.35	88.80	6.7	33.54	8.0	25.2	0.34
F13	28 Aug 2018	39	13.33	88.68	6.6	33.54	8.0	25.2	0.30
F13	28 Aug 2018	40	13.28	88.45	6.6	33.54	8.0	25.2	0.27
F13	28 Aug 2018	41	13.27	88.40	6.5	33.54	8.0	25.2	0.27
F13	28 Aug 2018	42	13.26	88.42	6.5	33.54	8.0	25.2	0.26
F13	28 Aug 2018	43	13.26	88.45	6.5	33.54	8.0	25.2	0.26
F13	28 Aug 2018	44	13.26	88.41	6.5	33.54	8.0	25.2	0.25
F13	28 Aug 2018	45	13.24	88.30	6.5	33.54	8.0	25.2	0.25
F13	28 Aug 2018	46	13.24	88.34	6.5	33.54	8.0	25.2	0.26
F13	28 Aug 2018	47	13.23	88.35	6.5	33.54	8.0	25.2	0.29
F13	28 Aug 2018	48	13.17	88.15	6.4	33.54	8.0	25.2	0.25
F13	28 Aug 2018	49	13.12	88.12	6.3	33.54	8.0	25.2	0.24
F13	28 Aug 2018	50	13.05	88.31	6.3	33.54	8.0	25.2	0.22
F13	28 Aug 2018	51	13.02	88.23	6.2	33.54	8.0	25.3	0.21
F13	28 Aug 2018	52	12.98	88.21	6.2	33.54	8.0	25.3	0.20
F13	28 Aug 2018	53	12.89	88.27	6.1	33.54	8.0	25.3	0.17
F13	28 Aug 2018	54	12.85	88.38	6.0	33.54	8.0	25.3	0.16
F13	28 Aug 2018	55	12.85	88.23	6.0	33.54	8.0	25.3	0.18
F13	28 Aug 2018	56	12.79	87.91	5.9	33.54	8.0	25.3	0.18
F13	28 Aug 2018	57	12.75	87.91	5.8	33.54	8.0	25.3	0.16
F13	28 Aug 2018	58	12.59	86.84	5.7	33.54	7.9	25.3	0.12
F13	28 Aug 2018	59	12.52	86.12	5.5	33.54	7.9	25.4	0.10
F13	28 Aug 2018	60	12.47	85.56	5.5	33.54	7.9	25.4	0.10
F13	28 Aug 2018	61	12.45	84.91	5.5	33.54	7.9	25.4	0.10
F14	28 Aug 2018	1	23.57	84.72	7.7	33.83	8.3	22.9	0.37
F14	28 Aug 2018	2	23.56	84.95	7.7	33.84	8.3	22.9	0.39
F14	28 Aug 2018	3	23.25	84.92	7.8	33.82	8.3	23.0	0.43
F14	28 Aug 2018	4	22.68	84.52	7.9	33.81	8.3	23.1	0.44
F14	28 Aug 2018	5	22.25	84.17	8.0	33.77	8.3	23.2	0.52
F14	28 Aug 2018	6	20.87	84.13	8.3	33.75	8.2	23.6	0.61
F14	28 Aug 2018	7	19.87	85.96	8.5	33.66	8.2	23.8	0.57
F14	28 Aug 2018	8	18.77	87.06	8.8	33.62	8.2	24.0	0.40
F14	28 Aug 2018	9	18.61	87.18	8.8	33.60	8.2	24.0	0.34
F14	28 Aug 2018	10	17.93	86.86	8.8	33.59	8.2	24.2	0.44
F14	28 Aug 2018	11	17.69	85.50	8.7	33.56	8.2	24.2	0.65
F14	28 Aug 2018	12	17.15	84.39	8.7	33.56	8.2	24.4	0.98
F14	28 Aug 2018	13	16.64	83.74	8.5	33.56	8.2	24.5	1.26
F14	28 Aug 2018	14	15.88	84.40	8.5	33.53	8.2	24.6	1.51
F14	28 Aug 2018	15	15.65	85.13	8.4	33.53	8.2	24.7	1.53
F14	28 Aug 2018	16	15.49	85.12	8.4	33.53	8.2	24.7	1.58
F14	28 Aug 2018	17	15.35	85.36	8.3	33.52	8.2	24.8	1.58
F14	28 Aug 2018	18	15.35	85.56	8.3	33.53	8.2	24.8	1.55
F14	28 Aug 2018	19	15.00	85.93	8.1	33.53	8.2	24.8	1.50
F14	28 Aug 2018	20	14.65	86.84	8.0	33.53	8.2	24.9	1.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F14	28 Aug 2018	21	14.47	87.39	7.9	33.53	8.1	25.0	1.15
F14	28 Aug 2018	22	14.34	87.38	7.7	33.53	8.1	25.0	1.03
F14	28 Aug 2018	23	14.25	87.72	7.7	33.53	8.1	25.0	1.00
F14	28 Aug 2018	24	14.03	88.13	7.6	33.53	8.1	25.0	0.95
F14	28 Aug 2018	25	13.99	88.44	7.5	33.53	8.1	25.1	0.88
F14	28 Aug 2018	26	13.82	88.55	7.5	33.53	8.1	25.1	0.87
F14	28 Aug 2018	27	13.82	88.63	7.5	33.52	8.1	25.1	0.80
F14	28 Aug 2018	28	13.79	88.68	7.5	33.52	8.1	25.1	0.78
F14	28 Aug 2018	29	13.78	88.70	7.5	33.53	8.1	25.1	0.83
F14	28 Aug 2018	30	13.72	88.78	7.5	33.53	8.1	25.1	0.83
F14	28 Aug 2018	31	13.64	88.98	7.4	33.53	8.1	25.1	0.73
F14	28 Aug 2018	32	13.59	89.08	7.3	33.53	8.1	25.1	0.68
F14	28 Aug 2018	33	13.54	89.06	7.2	33.53	8.1	25.1	0.63
F14	28 Aug 2018	34	13.52	89.13	7.2	33.53	8.1	25.2	0.58
F14	28 Aug 2018	35	13.48	89.11	7.1	33.53	8.1	25.2	0.54
F14	28 Aug 2018	36	13.38	89.03	6.9	33.54	8.1	25.2	0.50
F14	28 Aug 2018	37	13.31	88.65	6.8	33.54	8.0	25.2	0.40
F14	28 Aug 2018	38	13.21	88.61	6.6	33.54	8.0	25.2	0.35
F14	28 Aug 2018	39	13.20	88.61	6.5	33.54	8.0	25.2	0.31
F14	28 Aug 2018	40	13.18	88.57	6.5	33.54	8.0	25.2	0.31
F14	28 Aug 2018	41	13.17	88.45	6.5	33.54	8.0	25.2	0.31
F14	28 Aug 2018	42	13.17	88.37	6.5	33.54	8.0	25.2	0.27
F14	28 Aug 2018	43	13.16	88.33	6.4	33.54	8.0	25.2	0.27
F14	28 Aug 2018	44	13.16	88.26	6.4	33.54	8.0	25.2	0.27
F14	28 Aug 2018	45	13.16	88.19	6.4	33.54	8.0	25.2	0.27
F14	28 Aug 2018	46	13.15	88.18	6.4	33.54	8.0	25.2	0.25
F14	28 Aug 2018	47	13.13	88.12	6.3	33.54	8.0	25.2	0.28
F14	28 Aug 2018	48	13.07	87.91	6.2	33.54	8.0	25.2	0.23
F14	28 Aug 2018	49	12.91	87.42	6.1	33.54	8.0	25.3	0.19
F14	28 Aug 2018	50	12.91	87.24	6.0	33.53	8.0	25.3	0.17
F14	28 Aug 2018	51	12.83	87.22	5.9	33.53	8.0	25.3	0.16
F14	28 Aug 2018	52	12.69	86.79	5.8	33.53	7.9	25.3	0.13
F14	28 Aug 2018	53	12.65	87.80	5.8	33.53	7.9	25.3	0.11
F14	28 Aug 2018	54	12.64	87.99	5.8	33.53	7.9	25.3	0.12
F14	28 Aug 2018	55	12.60	87.57	5.7	33.54	7.9	25.3	0.12
F14	28 Aug 2018	56	12.52	86.82	5.6	33.54	7.9	25.4	0.10
F14	28 Aug 2018	57	12.51	85.97	5.5	33.54	7.9	25.4	0.09
F14	28 Aug 2018	58	12.44	85.21	5.4	33.54	7.9	25.4	0.07
F14	28 Aug 2018	59	12.37	85.42	5.4	33.54	7.9	25.4	0.06
F14	28 Aug 2018	60	12.34	85.01	5.4	33.54	7.9	25.4	0.08
F14	28 Aug 2018	61	12.34	84.75	5.3	33.54	7.9	25.4	0.08
F15	29 Aug 2018	1	23.71	83.57	7.8	33.85	8.3	22.9	0.35
F15	29 Aug 2018	2	23.72	83.43	7.7	33.85	8.3	22.9	0.36
F15	29 Aug 2018	3	23.70	84.20	7.8	33.85	8.3	22.9	0.43
F15	29 Aug 2018	4	23.65	83.79	7.7	33.85	8.3	22.9	0.45
F15	29 Aug 2018	5	23.44	84.06	7.7	33.85	8.3	22.9	0.44
F15	29 Aug 2018	6	23.24	85.21	7.7	33.83	8.3	23.0	0.36
F15	29 Aug 2018	7	22.94	86.23	7.7	33.81	8.3	23.1	0.23
F15	29 Aug 2018	8	22.36	87.31	7.7	33.78	8.3	23.2	0.18
F15	29 Aug 2018	9	21.52	87.97	7.8	33.73	8.3	23.4	0.14
F15	29 Aug 2018	10	20.31	88.15	8.1	33.69	8.2	23.7	0.11
F15	29 Aug 2018	11	19.04	88.46	8.4	33.63	8.2	24.0	0.09
F15	29 Aug 2018	12	18.41	88.77	8.6	33.59	8.2	24.1	0.08
F15	29 Aug 2018	13	17.63	88.89	8.7	33.57	8.2	24.3	0.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	29 Aug 2018	14	17.43	88.82	8.8	33.54	8.2	24.3	0.06
F15	29 Aug 2018	15	17.38	88.72	8.7	33.54	8.2	24.3	0.05
F15	29 Aug 2018	16	17.27	88.68	8.7	33.54	8.2	24.3	0.07
F15	29 Aug 2018	17	17.15	88.51	8.7	33.54	8.2	24.4	0.09
F15	29 Aug 2018	18	16.96	88.06	8.8	33.54	8.2	24.4	0.13
F15	29 Aug 2018	19	16.88	87.92	8.8	33.54	8.2	24.4	0.19
F15	29 Aug 2018	20	16.69	87.70	8.7	33.54	8.2	24.5	0.21
F15	29 Aug 2018	21	16.51	86.77	8.8	33.54	8.2	24.5	0.31
F15	29 Aug 2018	22	16.42	85.97	8.8	33.53	8.2	24.5	0.50
F15	29 Aug 2018	23	16.22	86.12	8.8	33.54	8.2	24.6	0.58
F15	29 Aug 2018	24	16.00	86.62	8.8	33.53	8.2	24.6	0.62
F15	29 Aug 2018	25	15.88	86.95	8.7	33.53	8.2	24.6	0.61
F15	29 Aug 2018	26	15.83	87.28	8.7	33.53	8.2	24.7	0.57
F15	29 Aug 2018	27	15.83	87.45	8.8	33.53	8.2	24.7	0.56
F15	29 Aug 2018	28	15.81	87.43	8.7	33.54	8.2	24.7	0.53
F15	29 Aug 2018	29	15.65	87.44	8.7	33.55	8.2	24.7	0.52
F15	29 Aug 2018	30	15.43	87.19	8.6	33.54	8.2	24.8	0.57
F15	29 Aug 2018	31	15.06	86.80	8.5	33.55	8.2	24.8	0.64
F15	29 Aug 2018	32	14.74	86.59	8.4	33.53	8.2	24.9	0.77
F15	29 Aug 2018	33	14.58	86.61	8.4	33.52	8.2	24.9	0.92
F15	29 Aug 2018	34	14.49	86.69	8.3	33.52	8.2	24.9	1.08
F15	29 Aug 2018	35	14.34	86.47	8.2	33.52	8.2	25.0	1.33
F15	29 Aug 2018	36	14.23	85.77	8.1	33.52	8.2	25.0	1.72
F15	29 Aug 2018	37	14.13	84.62	7.9	33.52	8.2	25.0	2.33
F15	29 Aug 2018	38	14.02	85.20	7.8	33.53	8.1	25.0	2.57
F15	29 Aug 2018	39	14.01	85.63	7.8	33.53	8.1	25.0	2.61
F15	29 Aug 2018	40	14.01	85.86	7.7	33.53	8.1	25.0	2.57
F15	29 Aug 2018	41	14.00	85.97	7.7	33.53	8.1	25.1	2.51
F15	29 Aug 2018	42	13.96	86.68	7.7	33.53	8.1	25.1	2.39
F15	29 Aug 2018	43	13.93	87.15	7.7	33.53	8.1	25.1	2.11
F15	29 Aug 2018	44	13.88	87.51	7.6	33.53	8.1	25.1	1.91
F15	29 Aug 2018	45	13.67	88.22	7.6	33.53	8.1	25.1	1.75
F15	29 Aug 2018	46	13.54	88.80	7.5	33.53	8.1	25.1	1.39
F15	29 Aug 2018	47	13.51	89.02	7.4	33.53	8.1	25.2	1.15
F15	29 Aug 2018	48	13.50	89.06	7.4	33.53	8.1	25.2	1.01
F15	29 Aug 2018	49	13.45	89.16	7.4	33.53	8.1	25.2	0.92
F15	29 Aug 2018	50	13.39	89.22	7.4	33.53	8.1	25.2	1.00
F15	29 Aug 2018	51	13.36	89.25	7.3	33.53	8.1	25.2	0.80
F15	29 Aug 2018	52	13.32	89.32	7.3	33.53	8.1	25.2	0.75
F15	29 Aug 2018	53	13.28	89.40	7.2	33.53	8.1	25.2	0.74
F15	29 Aug 2018	54	13.26	89.42	7.1	33.54	8.1	25.2	0.66
F15	29 Aug 2018	55	13.20	89.49	7.0	33.54	8.1	25.2	0.64
F15	29 Aug 2018	56	13.05	89.56	6.9	33.55	8.1	25.3	0.55
F15	29 Aug 2018	57	12.92	89.60	6.8	33.54	8.1	25.3	0.53
F15	29 Aug 2018	58	12.88	89.05	6.8	33.54	8.1	25.3	0.51
F15	29 Aug 2018	59	12.83	89.32	6.7	33.54	8.1	25.3	0.51
F15	29 Aug 2018	60	12.67	89.53	6.6	33.55	8.1	25.3	0.49
F15	29 Aug 2018	61	12.60	89.52	6.5	33.55	8.0	25.3	0.45
F15	29 Aug 2018	62	12.57	89.53	6.4	33.55	8.0	25.4	0.42
F15	29 Aug 2018	63	12.46	89.51	6.2	33.56	8.0	25.4	0.41
F15	29 Aug 2018	64	12.41	89.40	6.1	33.56	8.0	25.4	0.37
F15	29 Aug 2018	65	12.35	89.40	6.0	33.57	8.0	25.4	0.36
F15	29 Aug 2018	66	12.18	89.41	6.0	33.57	8.0	25.4	0.33
F15	29 Aug 2018	67	12.05	89.39	5.9	33.58	8.0	25.5	0.29
F15	29 Aug 2018	68	11.99	89.31	5.9	33.58	8.0	25.5	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	29 Aug 2018	69	11.96	89.20	5.8	33.58	8.0	25.5	0.24
F15	29 Aug 2018	70	11.91	89.15	5.7	33.59	8.0	25.5	0.24
F15	29 Aug 2018	71	11.88	89.03	5.7	33.59	8.0	25.5	0.23
F15	29 Aug 2018	72	11.87	89.03	5.7	33.59	8.0	25.5	0.23
F15	29 Aug 2018	73	11.85	88.97	5.6	33.59	8.0	25.5	0.21
F15	29 Aug 2018	74	11.78	88.97	5.6	33.60	8.0	25.5	0.19
F15	29 Aug 2018	75	11.65	88.81	5.5	33.61	8.0	25.6	0.19
F15	29 Aug 2018	76	11.61	88.62	5.4	33.61	8.0	25.6	0.18
F15	29 Aug 2018	77	11.48	88.51	5.4	33.63	8.0	25.6	0.16
F15	29 Aug 2018	78	11.35	88.19	5.3	33.64	7.9	25.6	0.14
F15	29 Aug 2018	79	11.30	87.93	5.2	33.64	7.9	25.7	0.13
F15	29 Aug 2018	80	11.29	87.68	5.2	33.64	7.9	25.7	0.11
F15	29 Aug 2018	81	11.25	87.31	5.2	33.64	7.9	25.7	0.10
F16	29 Aug 2018	1	23.07	83.96	7.9	33.81	8.3	23.0	0.24
F16	29 Aug 2018	2	23.05	84.01	7.9	33.81	8.3	23.0	0.24
F16	29 Aug 2018	3	22.90	84.61	7.9	33.80	8.3	23.1	0.27
F16	29 Aug 2018	4	22.79	85.68	7.9	33.79	8.3	23.1	0.23
F16	29 Aug 2018	5	22.50	86.62	7.9	33.77	8.3	23.1	0.17
F16	29 Aug 2018	6	22.07	87.37	7.9	33.75	8.3	23.2	0.10
F16	29 Aug 2018	7	21.03	87.70	8.1	33.70	8.2	23.5	0.07
F16	29 Aug 2018	8	20.14	88.03	8.3	33.66	8.2	23.7	0.06
F16	29 Aug 2018	9	19.43	88.14	8.4	33.64	8.2	23.9	0.06
F16	29 Aug 2018	10	18.19	88.67	8.7	33.58	8.2	24.1	0.03
F16	29 Aug 2018	11	17.98	88.81	8.8	33.56	8.2	24.2	0.00
F16	29 Aug 2018	12	17.85	88.81	8.7	33.56	8.2	24.2	0.00
F16	29 Aug 2018	13	17.70	88.81	8.7	33.55	8.2	24.2	0.00
F16	29 Aug 2018	14	17.65	88.72	8.7	33.55	8.2	24.2	0.00
F16	29 Aug 2018	15	17.65	88.71	8.7	33.56	8.2	24.3	0.00
F16	29 Aug 2018	16	17.41	88.50	8.6	33.56	8.2	24.3	0.04
F16	29 Aug 2018	17	16.88	87.94	8.7	33.55	8.2	24.4	0.08
F16	29 Aug 2018	18	16.69	87.80	8.8	33.54	8.2	24.5	0.14
F16	29 Aug 2018	19	16.42	86.77	8.7	33.53	8.2	24.5	0.26
F16	29 Aug 2018	20	16.20	85.90	8.8	33.53	8.2	24.6	0.48
F16	29 Aug 2018	21	16.03	85.55	8.7	33.53	8.2	24.6	0.69
F16	29 Aug 2018	22	15.74	84.96	8.7	33.52	8.2	24.7	0.97
F16	29 Aug 2018	23	15.65	84.94	8.7	33.52	8.2	24.7	1.13
F16	29 Aug 2018	24	15.53	85.27	8.7	33.52	8.2	24.7	1.23
F16	29 Aug 2018	25	15.42	85.59	8.7	33.52	8.2	24.7	1.17
F16	29 Aug 2018	26	15.37	85.97	8.7	33.52	8.2	24.8	1.06
F16	29 Aug 2018	27	15.33	86.48	8.6	33.52	8.2	24.8	0.90
F16	29 Aug 2018	28	15.02	86.63	8.5	33.54	8.2	24.8	0.81
F16	29 Aug 2018	29	14.67	86.21	8.5	33.54	8.2	24.9	0.84
F16	29 Aug 2018	30	14.63	86.19	8.4	33.52	8.2	24.9	0.93
F16	29 Aug 2018	31	14.39	86.07	8.2	33.52	8.2	25.0	1.09
F16	29 Aug 2018	32	14.24	86.07	8.2	33.52	8.2	25.0	1.24
F16	29 Aug 2018	33	14.17	85.79	8.2	33.51	8.2	25.0	1.63
F16	29 Aug 2018	34	14.15	85.39	8.1	33.51	8.2	25.0	1.91
F16	29 Aug 2018	35	14.08	84.83	7.9	33.51	8.2	25.0	2.31
F16	29 Aug 2018	36	14.04	84.92	7.8	33.52	8.1	25.0	2.60
F16	29 Aug 2018	37	13.96	85.84	7.7	33.52	8.1	25.1	2.39
F16	29 Aug 2018	38	13.91	86.58	7.6	33.52	8.1	25.1	2.17
F16	29 Aug 2018	39	13.89	87.07	7.6	33.52	8.1	25.1	1.96
F16	29 Aug 2018	40	13.85	87.26	7.5	33.52	8.1	25.1	1.77
F16	29 Aug 2018	41	13.85	87.48	7.5	33.52	8.1	25.1	1.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	29 Aug 2018	42	13.84	87.56	7.4	33.52	8.1	25.1	1.50
F16	29 Aug 2018	43	13.83	87.75	7.5	33.53	8.1	25.1	1.42
F16	29 Aug 2018	44	13.80	87.97	7.4	33.52	8.1	25.1	1.31
F16	29 Aug 2018	45	13.70	88.45	7.3	33.53	8.1	25.1	1.16
F16	29 Aug 2018	46	13.58	88.78	7.2	33.53	8.1	25.1	0.96
F16	29 Aug 2018	47	13.51	89.10	7.1	33.54	8.1	25.2	0.86
F16	29 Aug 2018	48	13.49	89.26	7.1	33.53	8.1	25.2	0.73
F16	29 Aug 2018	49	13.43	89.33	7.1	33.54	8.1	25.2	0.68
F16	29 Aug 2018	50	13.42	89.30	7.1	33.53	8.1	25.2	0.70
F16	29 Aug 2018	51	13.39	89.38	7.1	33.53	8.1	25.2	0.62
F16	29 Aug 2018	52	13.30	89.53	7.0	33.54	8.1	25.2	0.57
F16	29 Aug 2018	53	13.22	89.55	7.0	33.54	8.1	25.2	0.52
F16	29 Aug 2018	54	13.09	89.64	6.9	33.54	8.1	25.2	0.47
F16	29 Aug 2018	55	13.01	89.65	6.8	33.54	8.1	25.3	0.45
F16	29 Aug 2018	56	12.95	89.68	6.7	33.54	8.1	25.3	0.41
F16	29 Aug 2018	57	12.79	89.62	6.6	33.55	8.1	25.3	0.39
F16	29 Aug 2018	58	12.63	89.51	6.5	33.55	8.0	25.3	0.40
F16	29 Aug 2018	59	12.51	89.46	6.4	33.55	8.0	25.4	0.34
F16	29 Aug 2018	60	12.45	89.38	6.3	33.55	8.0	25.4	0.36
F16	29 Aug 2018	61	12.45	89.37	6.3	33.55	8.0	25.4	0.35
F16	29 Aug 2018	62	12.42	89.30	6.2	33.55	8.0	25.4	0.31
F16	29 Aug 2018	63	12.39	89.29	6.2	33.55	8.0	25.4	0.36
F16	29 Aug 2018	64	12.34	89.28	6.1	33.56	8.0	25.4	0.31
F16	29 Aug 2018	65	12.28	89.20	6.0	33.56	8.0	25.4	0.27
F16	29 Aug 2018	66	12.25	89.19	6.0	33.56	8.0	25.4	0.25
F16	29 Aug 2018	67	12.23	89.16	6.0	33.56	8.0	25.4	0.25
F16	29 Aug 2018	68	12.21	89.13	6.0	33.57	8.0	25.4	0.25
F16	29 Aug 2018	69	12.19	89.11	5.9	33.57	8.0	25.4	0.24
F16	29 Aug 2018	70	12.15	89.07	5.9	33.57	8.0	25.5	0.23
F16	29 Aug 2018	71	12.05	89.03	5.7	33.58	8.0	25.5	0.24
F16	29 Aug 2018	72	11.83	88.93	5.6	33.59	8.0	25.5	0.18
F16	29 Aug 2018	73	11.60	88.35	5.5	33.61	7.9	25.6	0.13
F16	29 Aug 2018	74	11.49	87.11	5.3	33.61	7.9	25.6	0.09
F16	29 Aug 2018	75	11.45	86.65	5.3	33.62	7.9	25.6	0.08
F16	29 Aug 2018	76	11.45	86.59	5.2	33.62	7.9	25.6	0.06
F16	29 Aug 2018	77	11.44	86.69	5.2	33.62	7.9	25.6	0.07
F16	29 Aug 2018	78	11.43	86.61	5.2	33.62	7.9	25.6	0.07
F16	29 Aug 2018	79	11.41	86.54	5.2	33.62	7.9	25.6	0.06
F16	29 Aug 2018	80	11.40	86.54	5.2	33.62	7.9	25.6	0.07
F16	29 Aug 2018	81	11.39	86.54	5.2	33.62	7.9	25.6	0.07
F16	29 Aug 2018	82	11.40	86.45	5.2	33.62	7.9	25.6	0.07
F17	29 Aug 2018	1	22.92	83.07	8.0	33.80	8.3	23.1	0.33
F17	29 Aug 2018	2	22.96	82.37	8.0	33.81	8.3	23.0	0.35
F17	29 Aug 2018	3	22.78	83.28	7.9	33.80	8.3	23.1	0.39
F17	29 Aug 2018	4	21.71	85.78	8.1	33.74	8.3	23.3	0.24
F17	29 Aug 2018	5	20.92	86.81	8.3	33.69	8.2	23.5	0.11
F17	29 Aug 2018	6	20.48	87.40	8.4	33.66	8.2	23.6	0.07
F17	29 Aug 2018	7	19.74	87.71	8.4	33.64	8.2	23.8	0.03
F17	29 Aug 2018	8	18.95	88.29	8.6	33.60	8.2	24.0	0.03
F17	29 Aug 2018	9	18.86	88.37	8.7	33.59	8.2	24.0	0.02
F17	29 Aug 2018	10	18.81	88.44	8.7	33.59	8.2	24.0	0.03
F17	29 Aug 2018	11	18.69	88.51	8.7	33.58	8.2	24.0	0.02
F17	29 Aug 2018	12	18.56	88.53	8.6	33.59	8.2	24.1	0.02
F17	29 Aug 2018	13	18.33	88.50	8.6	33.58	8.2	24.1	0.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	29 Aug 2018	14	18.14	88.47	8.7	33.57	8.2	24.1	0.02
F17	29 Aug 2018	15	17.92	88.47	8.7	33.57	8.2	24.2	0.02
F17	29 Aug 2018	16	17.56	88.53	8.7	33.56	8.2	24.3	0.03
F17	29 Aug 2018	17	17.35	88.39	8.7	33.55	8.2	24.3	0.03
F17	29 Aug 2018	18	17.15	88.23	8.7	33.55	8.2	24.4	0.04
F17	29 Aug 2018	19	17.08	88.23	8.7	33.55	8.2	24.4	0.08
F17	29 Aug 2018	20	16.92	88.16	8.7	33.55	8.2	24.4	0.14
F17	29 Aug 2018	21	16.60	87.75	8.7	33.54	8.2	24.5	0.18
F17	29 Aug 2018	22	16.36	86.96	8.7	33.54	8.2	24.5	0.27
F17	29 Aug 2018	23	16.25	86.68	8.8	33.53	8.2	24.6	0.36
F17	29 Aug 2018	24	16.07	86.21	8.8	33.53	8.2	24.6	0.59
F17	29 Aug 2018	25	15.95	85.43	8.8	33.52	8.2	24.6	0.83
F17	29 Aug 2018	26	15.83	84.34	8.8	33.52	8.2	24.6	1.13
F17	29 Aug 2018	27	15.70	83.60	8.8	33.52	8.2	24.7	1.43
F17	29 Aug 2018	28	15.55	83.65	8.7	33.52	8.2	24.7	1.67
F17	29 Aug 2018	29	15.50	83.74	8.6	33.52	8.2	24.7	1.87
F17	29 Aug 2018	30	15.42	83.46	8.5	33.52	8.2	24.7	2.13
F17	29 Aug 2018	31	14.97	82.86	8.5	33.52	8.2	24.8	2.48
F17	29 Aug 2018	32	14.87	82.91	8.4	33.52	8.2	24.9	2.71
F17	29 Aug 2018	33	14.65	83.85	8.3	33.52	8.2	24.9	2.54
F17	29 Aug 2018	34	14.48	85.18	8.3	33.52	8.2	24.9	2.21
F17	29 Aug 2018	35	14.39	85.53	8.3	33.52	8.2	25.0	1.85
F17	29 Aug 2018	36	14.32	85.39	8.2	33.52	8.2	25.0	1.80
F17	29 Aug 2018	37	14.15	84.79	8.0	33.53	8.2	25.0	2.17
F17	29 Aug 2018	38	13.97	84.25	7.8	33.52	8.1	25.1	2.58
F17	29 Aug 2018	39	13.89	85.61	7.7	33.52	8.1	25.1	2.55
F17	29 Aug 2018	40	13.84	86.95	7.6	33.52	8.1	25.1	2.23
F17	29 Aug 2018	41	13.72	87.93	7.4	33.53	8.1	25.1	1.85
F17	29 Aug 2018	42	13.65	88.22	7.3	33.53	8.1	25.1	1.46
F17	29 Aug 2018	43	13.61	88.50	7.2	33.53	8.1	25.1	1.27
F17	29 Aug 2018	44	13.58	88.52	7.1	33.53	8.1	25.1	1.02
F17	29 Aug 2018	45	13.52	88.60	6.9	33.53	8.1	25.2	0.88
F17	29 Aug 2018	46	13.45	88.70	6.8	33.54	8.1	25.2	0.73
F17	29 Aug 2018	47	13.39	88.83	6.8	33.54	8.1	25.2	0.60
F17	29 Aug 2018	48	13.34	88.91	6.8	33.54	8.1	25.2	0.54
F17	29 Aug 2018	49	13.28	89.30	6.8	33.54	8.1	25.2	0.50
F17	29 Aug 2018	50	13.26	89.42	6.8	33.54	8.1	25.2	0.48
F17	29 Aug 2018	51	13.27	89.33	6.9	33.54	8.1	25.2	0.47
F17	29 Aug 2018	52	13.24	89.43	6.8	33.54	8.1	25.2	0.48
F17	29 Aug 2018	53	13.11	89.52	6.8	33.54	8.1	25.2	0.47
F17	29 Aug 2018	54	12.97	89.57	6.8	33.54	8.1	25.3	0.50
F17	29 Aug 2018	55	12.85	89.59	6.7	33.55	8.1	25.3	0.52
F17	29 Aug 2018	56	12.81	89.57	6.6	33.55	8.0	25.3	0.44
F17	29 Aug 2018	57	12.79	89.61	6.5	33.55	8.0	25.3	0.38
F17	29 Aug 2018	58	12.68	89.59	6.4	33.55	8.0	25.3	0.35
F17	29 Aug 2018	59	12.56	89.52	6.3	33.55	8.0	25.4	0.32
F17	29 Aug 2018	60	12.52	89.55	6.2	33.55	8.0	25.4	0.33
F17	29 Aug 2018	61	12.44	89.56	6.1	33.56	8.0	25.4	0.30
F17	29 Aug 2018	62	12.34	89.49	6.1	33.56	8.0	25.4	0.26
F17	29 Aug 2018	63	12.32	89.43	6.0	33.56	8.0	25.4	0.26
F17	29 Aug 2018	64	12.30	89.35	6.0	33.56	8.0	25.4	0.25
F17	29 Aug 2018	65	12.24	89.29	5.9	33.57	8.0	25.4	0.25
F17	29 Aug 2018	66	12.20	89.27	5.9	33.57	8.0	25.4	0.21
F17	29 Aug 2018	67	12.13	89.15	5.8	33.57	8.0	25.5	0.19
F17	29 Aug 2018	68	12.04	88.99	5.8	33.58	8.0	25.5	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	29 Aug 2018	69	12.00	88.97	5.7	33.58	8.0	25.5	0.17
F17	29 Aug 2018	70	11.90	88.77	5.6	33.59	8.0	25.5	0.14
F17	29 Aug 2018	71	11.81	88.60	5.5	33.59	8.0	25.5	0.13
F17	29 Aug 2018	72	11.65	88.29	5.4	33.60	7.9	25.6	0.10
F17	29 Aug 2018	73	11.38	87.63	5.2	33.62	7.9	25.6	0.09
F17	29 Aug 2018	74	11.27	87.84	5.2	33.62	7.9	25.7	0.05
F17	29 Aug 2018	75	11.21	88.03	5.1	33.63	7.9	25.7	0.02
F17	29 Aug 2018	76	11.17	87.99	5.1	33.63	7.9	25.7	0.02
F17	29 Aug 2018	77	11.14	87.72	5.0	33.63	7.9	25.7	0.01
F17	29 Aug 2018	78	11.13	87.32	5.0	33.63	7.9	25.7	0.00
F17	29 Aug 2018	79	11.12	87.28	5.0	33.64	7.9	25.7	0.04
F17	29 Aug 2018	80	11.11	87.23	5.0	33.64	7.9	25.7	0.00
F17	29 Aug 2018	81	11.10	86.97	5.0	33.64	7.9	25.7	0.01
F17	29 Aug 2018	82	11.10	86.88	5.0	33.64	7.9	25.7	0.01
F18	29 Aug 2018	1	22.04	83.78	8.1	33.74	8.2	23.3	0.31
F18	29 Aug 2018	2	21.69	84.46	8.2	33.73	8.2	23.3	0.27
F18	29 Aug 2018	3	21.16	85.24	8.1	33.70	8.2	23.5	0.20
F18	29 Aug 2018	4	19.55	86.59	8.5	33.62	8.2	23.8	0.10
F18	29 Aug 2018	5	18.91	87.79	8.7	33.59	8.2	24.0	0.04
F18	29 Aug 2018	6	18.56	88.18	8.7	33.57	8.2	24.0	0.02
F18	29 Aug 2018	7	18.11	88.13	8.7	33.56	8.2	24.1	0.01
F18	29 Aug 2018	8	17.43	88.24	8.8	33.54	8.2	24.3	0.03
F18	29 Aug 2018	9	17.11	87.85	8.7	33.53	8.2	24.4	0.07
F18	29 Aug 2018	10	16.48	87.26	8.7	33.52	8.2	24.5	0.21
F18	29 Aug 2018	11	16.31	86.29	8.8	33.51	8.2	24.5	0.31
F18	29 Aug 2018	12	16.02	85.70	8.7	33.51	8.2	24.6	0.51
F18	29 Aug 2018	13	15.76	84.68	8.8	33.50	8.2	24.6	0.82
F18	29 Aug 2018	14	15.64	83.72	8.8	33.50	8.2	24.7	1.09
F18	29 Aug 2018	15	15.46	83.62	8.7	33.50	8.2	24.7	1.40
F18	29 Aug 2018	16	15.38	83.46	8.7	33.50	8.2	24.7	1.59
F18	29 Aug 2018	17	15.33	83.28	8.6	33.50	8.2	24.7	1.78
F18	29 Aug 2018	18	15.16	82.39	8.6	33.50	8.2	24.8	2.23
F18	29 Aug 2018	19	15.05	81.51	8.5	33.50	8.2	24.8	2.61
F18	29 Aug 2018	20	14.80	82.58	8.3	33.51	8.2	24.9	2.76
F18	29 Aug 2018	21	14.72	83.43	8.2	33.51	8.2	24.9	2.71
F18	29 Aug 2018	22	14.66	84.35	8.1	33.51	8.2	24.9	2.56
F18	29 Aug 2018	23	14.59	84.63	8.1	33.51	8.2	24.9	2.49
F18	29 Aug 2018	24	14.42	84.71	8.0	33.52	8.1	25.0	2.41
F18	29 Aug 2018	25	14.31	85.08	8.0	33.52	8.1	25.0	2.38
F18	29 Aug 2018	26	14.26	85.18	7.9	33.52	8.1	25.0	2.38
F18	29 Aug 2018	27	14.16	85.06	7.9	33.52	8.1	25.0	2.35
F18	29 Aug 2018	28	14.04	85.35	7.8	33.53	8.1	25.0	2.36
F18	29 Aug 2018	29	13.81	86.32	7.6	33.53	8.1	25.1	2.22
F18	29 Aug 2018	30	13.73	87.16	7.5	33.52	8.1	25.1	1.92
F18	29 Aug 2018	31	13.58	88.03	7.3	33.53	8.1	25.1	1.59
F18	29 Aug 2018	32	13.43	88.84	7.2	33.53	8.1	25.2	1.22
F18	29 Aug 2018	33	13.41	88.97	7.1	33.53	8.1	25.2	1.05
F18	29 Aug 2018	34	13.36	89.04	7.0	33.53	8.1	25.2	0.86
F18	29 Aug 2018	35	13.33	89.03	6.9	33.53	8.1	25.2	0.72
F18	29 Aug 2018	36	13.31	89.03	6.8	33.53	8.1	25.2	0.60
F18	29 Aug 2018	37	13.27	88.87	6.7	33.54	8.1	25.2	0.54
F18	29 Aug 2018	38	13.20	88.88	6.6	33.54	8.0	25.2	0.43
F18	29 Aug 2018	39	13.15	88.94	6.6	33.54	8.0	25.2	0.41
F18	29 Aug 2018	40	13.11	88.94	6.5	33.54	8.0	25.2	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	29 Aug 2018	41	13.09	88.97	6.5	33.54	8.0	25.2	0.33
F18	29 Aug 2018	42	13.08	88.92	6.4	33.54	8.0	25.2	0.34
F18	29 Aug 2018	43	13.05	88.96	6.4	33.54	8.0	25.3	0.34
F18	29 Aug 2018	44	13.02	88.79	6.3	33.55	8.0	25.3	0.31
F18	29 Aug 2018	45	12.97	88.81	6.3	33.55	8.0	25.3	0.32
F18	29 Aug 2018	46	12.93	88.93	6.2	33.55	8.0	25.3	0.31
F18	29 Aug 2018	47	12.92	88.80	6.2	33.55	8.0	25.3	0.31
F18	29 Aug 2018	48	12.88	88.73	6.2	33.55	8.0	25.3	0.29
F18	29 Aug 2018	49	12.79	88.54	6.1	33.55	8.0	25.3	0.30
F18	29 Aug 2018	50	12.76	88.57	6.1	33.55	8.0	25.3	0.29
F18	29 Aug 2018	51	12.74	88.53	6.1	33.55	8.0	25.3	0.26
F18	29 Aug 2018	52	12.70	88.60	6.0	33.55	8.0	25.3	0.23
F18	29 Aug 2018	53	12.67	88.61	6.0	33.55	8.0	25.3	0.22
F18	29 Aug 2018	54	12.54	88.41	5.9	33.55	8.0	25.4	0.20
F18	29 Aug 2018	55	12.40	88.28	5.8	33.55	8.0	25.4	0.18
F18	29 Aug 2018	56	12.35	88.11	5.8	33.55	8.0	25.4	0.10
F18	29 Aug 2018	57	12.31	88.19	5.7	33.54	8.0	25.4	0.12
F18	29 Aug 2018	58	12.27	88.21	5.7	33.54	8.0	25.4	0.07
F18	29 Aug 2018	59	12.23	88.36	5.6	33.53	8.0	25.4	0.07
F18	29 Aug 2018	60	12.24	88.22	5.6	33.54	8.0	25.4	0.05
F18	29 Aug 2018	61	12.24	87.99	5.6	33.54	8.0	25.4	0.03
F18	29 Aug 2018	62	12.21	87.93	5.5	33.54	7.9	25.4	0.04
F18	29 Aug 2018	63	12.19	87.85	5.5	33.54	7.9	25.4	0.01
F18	29 Aug 2018	64	12.12	87.71	5.5	33.54	7.9	25.4	0.02
F18	29 Aug 2018	65	12.03	87.75	5.4	33.54	7.9	25.4	0.01
F18	29 Aug 2018	66	12.00	87.83	5.4	33.54	7.9	25.5	-0.01
F18	29 Aug 2018	67	11.99	87.60	5.4	33.54	7.9	25.5	0.02
F18	29 Aug 2018	68	11.97	87.30	5.3	33.54	7.9	25.5	0.00
F18	29 Aug 2018	69	11.94	87.08	5.3	33.54	7.9	25.5	0.00
F18	29 Aug 2018	70	11.92	86.90	5.2	33.54	7.9	25.5	-0.03
F18	29 Aug 2018	71	11.89	86.49	5.1	33.54	7.9	25.5	0.01
F18	29 Aug 2018	72	11.80	86.03	5.0	33.53	7.9	25.5	0.00
F18	29 Aug 2018	73	11.58	84.97	4.9	33.52	7.9	25.5	-0.01
F18	29 Aug 2018	74	11.40	84.48	4.8	33.52	7.9	25.5	-0.01
F18	29 Aug 2018	75	11.28	84.30	4.8	33.52	7.9	25.6	-0.01
F18	29 Aug 2018	76	11.32	85.83	4.8	33.53	7.9	25.6	-0.02
F18	29 Aug 2018	77	11.38	86.41	4.8	33.56	7.9	25.6	-0.03
F18	29 Aug 2018	78	11.39	86.35	4.9	33.58	7.9	25.6	0.01
F18	29 Aug 2018	79	11.24	86.36	5.0	33.60	7.9	25.6	-0.02
F18	29 Aug 2018	80	11.15	86.42	5.0	33.62	7.9	25.7	0.00
F18	29 Aug 2018	81	11.15	86.60	5.0	33.62	7.9	25.7	0.00
F18	29 Aug 2018	82	11.16	86.52	5.0	33.62	7.9	25.7	0.00
F19	29 Aug 2018	1	23.34	80.39	7.8	33.81	8.3	22.9	0.46
F19	29 Aug 2018	2	22.23	81.47	7.9	33.83	8.3	23.3	0.46
F19	29 Aug 2018	3	20.90	86.47	8.3	33.72	8.2	23.5	0.26
F19	29 Aug 2018	4	20.15	87.10	8.4	33.68	8.2	23.7	0.17
F19	29 Aug 2018	5	19.08	87.99	8.6	33.64	8.2	24.0	0.10
F19	29 Aug 2018	6	18.74	88.32	8.7	33.60	8.2	24.0	0.05
F19	29 Aug 2018	7	18.54	88.28	8.7	33.59	8.2	24.1	0.03
F19	29 Aug 2018	8	18.17	88.39	8.7	33.59	8.2	24.1	0.03
F19	29 Aug 2018	9	17.78	88.43	8.7	33.58	8.2	24.2	0.02
F19	29 Aug 2018	10	17.23	88.27	8.7	33.56	8.2	24.4	0.05
F19	29 Aug 2018	11	16.80	87.79	8.7	33.55	8.2	24.4	0.11
F19	29 Aug 2018	12	16.39	86.85	8.7	33.54	8.2	24.5	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	29 Aug 2018	13	16.16	86.19	8.7	33.52	8.2	24.6	0.45
F19	29 Aug 2018	14	16.00	85.69	8.7	33.52	8.2	24.6	0.65
F19	29 Aug 2018	15	15.82	84.89	8.8	33.52	8.2	24.6	0.88
F19	29 Aug 2018	16	15.64	84.50	8.8	33.52	8.2	24.7	1.17
F19	29 Aug 2018	17	15.49	83.90	8.8	33.51	8.2	24.7	1.41
F19	29 Aug 2018	18	15.32	83.44	8.7	33.51	8.2	24.8	1.74
F19	29 Aug 2018	19	15.21	84.23	8.7	33.51	8.2	24.8	1.82
F19	29 Aug 2018	20	15.13	84.18	8.6	33.51	8.2	24.8	1.94
F19	29 Aug 2018	21	14.77	83.55	8.3	33.52	8.2	24.9	2.19
F19	29 Aug 2018	22	14.63	84.24	8.2	33.52	8.2	24.9	2.37
F19	29 Aug 2018	23	14.56	85.23	8.1	33.52	8.2	24.9	2.31
F19	29 Aug 2018	24	14.49	85.49	8.0	33.52	8.1	24.9	2.19
F19	29 Aug 2018	25	14.24	85.72	7.8	33.53	8.1	25.0	2.14
F19	29 Aug 2018	26	14.12	86.13	7.8	33.53	8.1	25.0	2.04
F19	29 Aug 2018	27	14.06	86.05	7.7	33.53	8.1	25.0	2.01
F19	29 Aug 2018	28	13.93	86.39	7.5	33.53	8.1	25.1	1.97
F19	29 Aug 2018	29	13.64	87.77	7.4	33.54	8.1	25.1	1.72
F19	29 Aug 2018	30	13.50	88.61	7.3	33.54	8.1	25.2	1.40
F19	29 Aug 2018	31	13.45	88.78	7.2	33.54	8.1	25.2	1.29
F19	29 Aug 2018	32	13.39	88.93	7.1	33.53	8.1	25.2	1.03
F19	29 Aug 2018	33	13.38	88.97	7.0	33.53	8.1	25.2	0.89
F19	29 Aug 2018	34	13.34	89.09	6.9	33.54	8.1	25.2	0.81
F19	29 Aug 2018	35	13.23	89.42	6.8	33.55	8.1	25.2	0.71
F19	29 Aug 2018	36	13.14	89.40	6.7	33.55	8.0	25.2	0.56
F19	29 Aug 2018	37	13.07	89.34	6.5	33.55	8.0	25.3	0.51
F19	29 Aug 2018	38	13.00	89.37	6.5	33.55	8.0	25.3	0.46
F19	29 Aug 2018	39	12.96	89.37	6.5	33.55	8.0	25.3	0.41
F19	29 Aug 2018	40	12.94	89.35	6.5	33.54	8.0	25.3	0.39
F19	29 Aug 2018	41	12.93	89.38	6.4	33.54	8.0	25.3	0.36
F19	29 Aug 2018	42	12.93	89.39	6.5	33.55	8.0	25.3	0.36
F19	29 Aug 2018	43	12.93	89.40	6.5	33.55	8.0	25.3	0.35
F19	29 Aug 2018	44	12.92	89.41	6.4	33.55	8.0	25.3	0.40
F19	29 Aug 2018	45	12.90	89.41	6.4	33.55	8.0	25.3	0.39
F19	29 Aug 2018	46	12.87	89.39	6.4	33.55	8.0	25.3	0.32
F19	29 Aug 2018	47	12.85	89.39	6.4	33.54	8.0	25.3	0.31
F19	29 Aug 2018	48	12.83	89.36	6.4	33.54	8.0	25.3	0.31
F19	29 Aug 2018	49	12.80	89.32	6.3	33.54	8.0	25.3	0.29
F19	29 Aug 2018	50	12.73	89.33	6.3	33.54	8.0	25.3	0.26
F19	29 Aug 2018	51	12.69	89.16	6.2	33.54	8.0	25.3	0.23
F19	29 Aug 2018	52	12.62	89.08	6.2	33.53	8.0	25.3	0.21
F19	29 Aug 2018	53	12.54	89.02	6.0	33.53	8.0	25.3	0.19
F19	29 Aug 2018	54	12.48	88.92	5.9	33.53	8.0	25.4	0.13
F19	29 Aug 2018	55	12.33	88.71	5.8	33.52	8.0	25.4	0.09
F19	29 Aug 2018	56	12.22	88.47	5.7	33.51	8.0	25.4	0.05
F19	29 Aug 2018	57	12.21	88.39	5.6	33.51	8.0	25.4	0.03
F19	29 Aug 2018	58	12.14	88.28	5.5	33.50	7.9	25.4	0.01
F19	29 Aug 2018	59	12.11	88.25	5.5	33.50	7.9	25.4	0.00
F19	29 Aug 2018	60	12.09	88.17	5.4	33.50	7.9	25.4	-0.02
F19	29 Aug 2018	61	12.06	88.33	5.4	33.51	7.9	25.4	0.00
F19	29 Aug 2018	62	12.08	88.53	5.5	33.52	7.9	25.4	0.00
F19	29 Aug 2018	63	12.09	88.81	5.5	33.53	7.9	25.4	0.02
F19	29 Aug 2018	64	12.05	88.82	5.5	33.54	7.9	25.4	0.02
F19	29 Aug 2018	65	12.02	88.75	5.5	33.55	7.9	25.5	0.01
F19	29 Aug 2018	66	12.00	88.61	5.4	33.55	7.9	25.5	0.02
F19	29 Aug 2018	67	11.99	88.54	5.4	33.55	7.9	25.5	0.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	29 Aug 2018	68	11.98	88.49	5.4	33.55	7.9	25.5	0.01
F19	29 Aug 2018	69	11.97	88.52	5.4	33.55	7.9	25.5	0.00
F19	29 Aug 2018	70	11.96	88.43	5.4	33.55	7.9	25.5	-0.01
F19	29 Aug 2018	71	11.91	88.23	5.3	33.55	7.9	25.5	-0.02
F19	29 Aug 2018	72	11.83	88.07	5.3	33.56	7.9	25.5	-0.01
F19	29 Aug 2018	73	11.76	87.98	5.2	33.57	7.9	25.5	-0.02
F19	29 Aug 2018	74	11.70	87.79	5.2	33.58	7.9	25.5	-0.03
F19	29 Aug 2018	75	11.68	87.78	5.2	33.58	7.9	25.5	-0.02
F19	29 Aug 2018	76	11.61	87.93	5.2	33.59	7.9	25.6	-0.01
F19	29 Aug 2018	77	11.55	88.02	5.2	33.59	7.9	25.6	0.00
F19	29 Aug 2018	78	11.43	87.92	5.1	33.61	7.9	25.6	0.02
F19	29 Aug 2018	79	11.24	87.73	5.0	33.63	7.9	25.7	-0.01
F19	29 Aug 2018	80	11.18	87.60	5.0	33.63	7.9	25.7	-0.02
F19	29 Aug 2018	81	11.15	87.56	4.9	33.64	7.9	25.7	-0.02
F19	29 Aug 2018	82	11.12	87.42	4.9	33.64	7.9	25.7	-0.02
F19	29 Aug 2018	83	11.07	87.11	4.9	33.65	7.9	25.7	-0.03
F20	29 Aug 2018	1	23.22	82.99	7.9	33.82	8.3	23.0	0.72
F20	29 Aug 2018	2	22.98	83.51	7.8	33.86	8.3	23.1	0.72
F20	29 Aug 2018	3	20.25	86.41	8.3	33.74	8.2	23.7	0.57
F20	29 Aug 2018	4	19.86	87.47	8.5	33.65	8.2	23.8	0.32
F20	29 Aug 2018	5	19.59	87.98	8.5	33.64	8.2	23.8	0.21
F20	29 Aug 2018	6	19.23	88.18	8.6	33.62	8.2	23.9	0.17
F20	29 Aug 2018	7	19.15	88.37	8.6	33.61	8.2	23.9	0.15
F20	29 Aug 2018	8	18.93	88.27	8.6	33.60	8.2	24.0	0.14
F20	29 Aug 2018	9	18.75	88.30	8.7	33.60	8.2	24.0	0.15
F20	29 Aug 2018	10	18.30	88.40	8.6	33.60	8.2	24.1	0.13
F20	29 Aug 2018	11	17.75	88.52	8.8	33.58	8.2	24.2	0.13
F20	29 Aug 2018	12	17.46	88.38	8.7	33.57	8.2	24.3	0.14
F20	29 Aug 2018	13	16.99	88.11	8.6	33.57	8.2	24.4	0.19
F20	29 Aug 2018	14	16.32	87.01	8.6	33.56	8.2	24.6	0.38
F20	29 Aug 2018	15	16.16	86.23	8.7	33.53	8.2	24.6	0.69
F20	29 Aug 2018	16	15.87	85.43	8.7	33.53	8.2	24.6	0.96
F20	29 Aug 2018	17	15.60	84.87	8.7	33.52	8.2	24.7	1.30
F20	29 Aug 2018	18	15.46	84.47	8.8	33.52	8.2	24.7	1.53
F20	29 Aug 2018	19	15.28	84.86	8.7	33.52	8.2	24.8	1.64
F20	29 Aug 2018	20	15.00	85.59	8.6	33.52	8.2	24.8	1.60
F20	29 Aug 2018	21	14.86	85.41	8.5	33.52	8.2	24.9	1.58
F20	29 Aug 2018	22	14.79	84.54	8.4	33.52	8.2	24.9	1.82
F20	29 Aug 2018	23	14.51	84.60	8.2	33.53	8.2	24.9	2.15
F20	29 Aug 2018	24	14.38	84.92	8.0	33.52	8.1	25.0	2.30
F20	29 Aug 2018	25	14.25	85.59	7.9	33.53	8.1	25.0	2.15
F20	29 Aug 2018	26	14.11	86.42	7.8	33.53	8.1	25.0	1.88
F20	29 Aug 2018	27	14.03	87.11	7.7	33.53	8.1	25.0	1.69
F20	29 Aug 2018	28	13.93	87.44	7.6	33.53	8.1	25.1	1.42
F20	29 Aug 2018	29	13.89	87.11	7.6	33.53	8.1	25.1	1.38
F20	29 Aug 2018	30	13.84	87.44	7.5	33.53	8.1	25.1	1.42
F20	29 Aug 2018	31	13.69	87.98	7.5	33.54	8.1	25.1	1.38
F20	29 Aug 2018	32	13.61	87.97	7.4	33.53	8.1	25.1	1.30
F20	29 Aug 2018	33	13.46	88.60	7.2	33.54	8.1	25.2	1.25
F20	29 Aug 2018	34	13.39	88.80	7.2	33.54	8.1	25.2	1.00
F20	29 Aug 2018	35	13.37	88.83	7.1	33.54	8.1	25.2	0.96
F20	29 Aug 2018	36	13.34	88.94	7.0	33.54	8.1	25.2	0.79
F20	29 Aug 2018	37	13.28	88.98	6.9	33.54	8.1	25.2	0.79
F20	29 Aug 2018	38	13.15	89.03	6.8	33.55	8.1	25.2	0.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	29 Aug 2018	39	13.05	89.32	6.7	33.55	8.0	25.3	0.59
F20	29 Aug 2018	40	13.01	89.45	6.6	33.54	8.0	25.3	0.49
F20	29 Aug 2018	41	12.97	89.44	6.6	33.54	8.0	25.3	0.47
F20	29 Aug 2018	42	12.94	89.47	6.6	33.54	8.0	25.3	0.42
F20	29 Aug 2018	43	12.93	89.48	6.6	33.54	8.0	25.3	0.40
F20	29 Aug 2018	44	12.91	89.42	6.6	33.54	8.0	25.3	0.37
F20	29 Aug 2018	45	12.89	89.45	6.5	33.54	8.0	25.3	0.36
F20	29 Aug 2018	46	12.87	89.45	6.5	33.54	8.0	25.3	0.34
F20	29 Aug 2018	47	12.82	89.42	6.5	33.54	8.0	25.3	0.34
F20	29 Aug 2018	48	12.77	89.32	6.4	33.53	8.0	25.3	0.29
F20	29 Aug 2018	49	12.64	89.25	6.3	33.53	8.0	25.3	0.28
F20	29 Aug 2018	50	12.52	88.96	6.2	33.53	8.0	25.3	0.29
F20	29 Aug 2018	51	12.45	88.77	6.0	33.52	8.0	25.4	0.21
F20	29 Aug 2018	52	12.33	88.56	5.8	33.52	8.0	25.4	0.16
F20	29 Aug 2018	53	12.26	88.47	5.7	33.52	8.0	25.4	0.11
F20	29 Aug 2018	54	12.19	88.31	5.6	33.51	8.0	25.4	0.08
F20	29 Aug 2018	55	12.15	88.24	5.5	33.51	7.9	25.4	0.05
F20	29 Aug 2018	56	12.14	88.24	5.5	33.51	7.9	25.4	0.04
F20	29 Aug 2018	57	12.12	88.22	5.5	33.51	7.9	25.4	0.04
F20	29 Aug 2018	58	12.11	88.21	5.5	33.51	7.9	25.4	0.03
F20	29 Aug 2018	59	12.11	88.23	5.5	33.51	7.9	25.4	0.03
F20	29 Aug 2018	60	12.11	88.28	5.5	33.51	7.9	25.4	0.04
F20	29 Aug 2018	61	12.11	88.35	5.5	33.52	7.9	25.4	0.03
F20	29 Aug 2018	62	12.09	88.39	5.5	33.52	7.9	25.4	0.04
F20	29 Aug 2018	63	12.07	88.60	5.5	33.53	7.9	25.4	0.06
F20	29 Aug 2018	64	12.07	88.65	5.5	33.54	7.9	25.4	0.07
F20	29 Aug 2018	65	12.09	88.89	5.6	33.55	7.9	25.4	0.12
F20	29 Aug 2018	66	12.09	89.01	5.6	33.55	7.9	25.4	0.11
F20	29 Aug 2018	67	12.09	89.02	5.6	33.55	7.9	25.4	0.12
F20	29 Aug 2018	68	12.07	88.96	5.6	33.55	7.9	25.4	0.12
F20	29 Aug 2018	69	12.03	88.80	5.5	33.55	7.9	25.5	0.10
F20	29 Aug 2018	70	11.98	88.72	5.5	33.56	7.9	25.5	0.09
F20	29 Aug 2018	71	11.90	88.68	5.4	33.56	7.9	25.5	0.07
F20	29 Aug 2018	72	11.81	88.55	5.4	33.57	7.9	25.5	0.05
F20	29 Aug 2018	73	11.74	88.26	5.3	33.58	7.9	25.5	0.04
F20	29 Aug 2018	74	11.70	87.89	5.3	33.58	7.9	25.5	0.04
F20	29 Aug 2018	75	11.66	87.71	5.2	33.58	7.9	25.6	0.04
F20	29 Aug 2018	76	11.62	87.58	5.2	33.59	7.9	25.6	0.03
F20	29 Aug 2018	77	11.58	87.52	5.2	33.59	7.9	25.6	0.03
F20	29 Aug 2018	78	11.56	87.42	5.2	33.59	7.9	25.6	0.03
F20	29 Aug 2018	79	11.55	87.47	5.2	33.59	7.9	25.6	0.02
F20	29 Aug 2018	80	11.46	87.34	5.1	33.61	7.9	25.6	0.04
F20	29 Aug 2018	81	11.30	86.04	5.0	33.62	7.9	25.6	0.02
F20	29 Aug 2018	82	11.28	85.71	5.0	33.62	7.9	25.7	0.01
F20	29 Aug 2018	83	11.31	86.09	5.0	33.62	7.9	25.6	0.01
F21	29 Aug 2018	1	23.59	80.55	7.9	33.84	8.3	22.9	0.65
F21	29 Aug 2018	2	23.52	80.65	7.8	33.83	8.3	22.9	0.66
F21	29 Aug 2018	3	21.94	84.47	8.2	33.73	8.2	23.3	0.43
F21	29 Aug 2018	4	21.74	87.15	8.1	33.71	8.2	23.3	0.30
F21	29 Aug 2018	5	20.99	87.81	8.2	33.68	8.2	23.5	0.22
F21	29 Aug 2018	6	20.42	88.25	8.2	33.66	8.2	23.6	0.15
F21	29 Aug 2018	7	19.39	88.49	8.4	33.62	8.2	23.9	0.13
F21	29 Aug 2018	8	18.84	88.70	8.6	33.59	8.2	24.0	0.11
F21	29 Aug 2018	9	18.69	88.73	8.6	33.58	8.2	24.0	0.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	29 Aug 2018	10	18.68	88.74	8.6	33.58	8.2	24.0	0.09
F21	29 Aug 2018	11	18.49	88.71	8.6	33.58	8.2	24.1	0.11
F21	29 Aug 2018	12	18.01	88.65	8.7	33.57	8.2	24.2	0.11
F21	29 Aug 2018	13	17.74	88.67	8.8	33.56	8.2	24.2	0.12
F21	29 Aug 2018	14	17.54	88.63	8.8	33.55	8.2	24.3	0.11
F21	29 Aug 2018	15	17.26	88.64	8.7	33.55	8.2	24.3	0.16
F21	29 Aug 2018	16	16.89	88.23	8.7	33.54	8.2	24.4	0.25
F21	29 Aug 2018	17	16.42	87.65	8.7	33.53	8.2	24.5	0.46
F21	29 Aug 2018	18	16.10	86.85	8.7	33.52	8.2	24.6	0.75
F21	29 Aug 2018	19	15.76	85.49	8.8	33.51	8.2	24.7	1.18
F21	29 Aug 2018	20	15.58	84.76	8.8	33.51	8.2	24.7	1.52
F21	29 Aug 2018	21	15.43	84.45	8.7	33.51	8.2	24.7	1.79
F21	29 Aug 2018	22	15.30	84.78	8.6	33.51	8.2	24.8	1.86
F21	29 Aug 2018	23	15.08	85.44	8.6	33.51	8.2	24.8	1.74
F21	29 Aug 2018	24	14.93	85.72	8.5	33.51	8.2	24.8	1.56
F21	29 Aug 2018	25	14.70	85.80	8.3	33.52	8.2	24.9	1.63
F21	29 Aug 2018	26	14.53	85.19	8.2	33.52	8.2	24.9	1.88
F21	29 Aug 2018	27	14.47	85.29	8.1	33.52	8.1	24.9	2.19
F21	29 Aug 2018	28	14.14	85.63	7.8	33.52	8.1	25.0	2.06
F21	29 Aug 2018	29	13.96	86.89	7.7	33.52	8.1	25.1	1.72
F21	29 Aug 2018	30	13.94	87.23	7.6	33.52	8.1	25.1	1.57
F21	29 Aug 2018	31	13.86	87.49	7.5	33.53	8.1	25.1	1.37
F21	29 Aug 2018	32	13.76	87.92	7.4	33.53	8.1	25.1	1.16
F21	29 Aug 2018	33	13.59	88.43	7.3	33.53	8.1	25.1	1.06
F21	29 Aug 2018	34	13.53	88.52	7.4	33.53	8.1	25.1	0.98
F21	29 Aug 2018	35	13.50	88.68	7.3	33.53	8.1	25.2	0.98
F21	29 Aug 2018	36	13.37	88.92	7.1	33.53	8.1	25.2	0.89
F21	29 Aug 2018	37	13.30	88.88	7.0	33.53	8.1	25.2	0.81
F21	29 Aug 2018	38	13.24	89.04	6.9	33.54	8.1	25.2	0.72
F21	29 Aug 2018	39	13.12	89.09	6.8	33.54	8.0	25.2	0.68
F21	29 Aug 2018	40	13.09	89.14	6.7	33.54	8.0	25.2	0.63
F21	29 Aug 2018	41	13.10	89.15	6.7	33.54	8.0	25.2	0.67
F21	29 Aug 2018	42	13.06	89.19	6.6	33.54	8.0	25.3	0.68
F21	29 Aug 2018	43	13.03	89.22	6.6	33.54	8.0	25.3	0.62
F21	29 Aug 2018	44	13.02	89.23	6.6	33.54	8.0	25.3	0.61
F21	29 Aug 2018	45	13.01	89.24	6.5	33.54	8.0	25.3	0.59
F21	29 Aug 2018	46	12.98	89.24	6.5	33.54	8.0	25.3	0.63
F21	29 Aug 2018	47	12.93	89.30	6.4	33.54	8.0	25.3	0.53
F21	29 Aug 2018	48	12.87	89.25	6.2	33.54	8.0	25.3	0.43
F21	29 Aug 2018	49	12.78	89.26	6.2	33.54	8.0	25.3	0.31
F21	29 Aug 2018	50	12.67	89.38	6.2	33.54	8.0	25.3	0.25
F21	29 Aug 2018	51	12.65	89.34	6.2	33.53	8.0	25.3	0.23
F21	29 Aug 2018	52	12.62	89.36	6.2	33.53	8.0	25.3	0.22
F21	29 Aug 2018	53	12.56	89.34	6.2	33.53	8.0	25.3	0.21
F21	29 Aug 2018	54	12.47	89.28	6.2	33.54	8.0	25.4	0.21
F21	29 Aug 2018	55	12.37	89.40	6.1	33.54	8.0	25.4	0.23
F21	29 Aug 2018	56	12.28	89.03	5.9	33.53	8.0	25.4	0.17
F21	29 Aug 2018	57	12.17	88.66	5.7	33.52	8.0	25.4	0.12
F21	29 Aug 2018	58	12.11	88.49	5.6	33.52	7.9	25.4	0.07
F21	29 Aug 2018	59	12.07	88.70	5.5	33.53	7.9	25.4	0.10
F21	29 Aug 2018	60	12.06	88.90	5.5	33.54	7.9	25.4	0.09
F21	29 Aug 2018	61	12.06	88.95	5.5	33.54	7.9	25.4	0.12
F21	29 Aug 2018	62	12.06	88.95	5.6	33.54	7.9	25.4	0.12
F21	29 Aug 2018	63	12.05	88.89	5.5	33.54	7.9	25.4	0.12
F21	29 Aug 2018	64	12.01	88.88	5.5	33.54	7.9	25.5	0.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	29 Aug 2018	65	11.99	88.85	5.5	33.54	7.9	25.5	0.08
F21	29 Aug 2018	66	11.99	88.91	5.4	33.54	7.9	25.5	0.06
F21	29 Aug 2018	67	12.00	89.05	5.5	33.55	7.9	25.5	0.07
F21	29 Aug 2018	68	12.01	89.10	5.5	33.55	7.9	25.5	0.09
F21	29 Aug 2018	69	11.96	89.01	5.5	33.55	7.9	25.5	0.08
F21	29 Aug 2018	70	11.93	88.91	5.4	33.55	7.9	25.5	0.08
F21	29 Aug 2018	71	11.92	88.99	5.4	33.55	7.9	25.5	0.05
F21	29 Aug 2018	72	11.92	89.16	5.5	33.56	7.9	25.5	0.06
F21	29 Aug 2018	73	11.92	89.25	5.5	33.56	7.9	25.5	0.07
F21	29 Aug 2018	74	11.89	89.34	5.5	33.57	7.9	25.5	0.07
F21	29 Aug 2018	75	11.85	89.08	5.4	33.57	7.9	25.5	0.08
F21	29 Aug 2018	76	11.80	88.83	5.4	33.58	7.9	25.5	0.07
F21	29 Aug 2018	77	11.72	88.48	5.3	33.58	7.9	25.5	0.04
F21	29 Aug 2018	78	11.65	88.61	5.3	33.59	7.9	25.6	0.03
F21	29 Aug 2018	79	11.49	87.75	5.2	33.60	7.9	25.6	0.03
F21	29 Aug 2018	80	11.46	87.14	5.1	33.60	7.9	25.6	0.02
F21	29 Aug 2018	81	11.46	86.94	5.1	33.60	7.9	25.6	0.02
F21	29 Aug 2018	82	11.46	86.53	5.1	33.60	7.9	25.6	0.01
F21	29 Aug 2018	83	11.46	86.43	5.1	33.60	7.9	25.6	0.00
F21	29 Aug 2018	84	11.47	86.55	5.1	33.60	7.9	25.6	0.03
F22	29 Aug 2018	1	23.64	79.84	8.0	33.85	8.3	22.9	0.58
F22	29 Aug 2018	2	23.63	80.83	7.9	33.85	8.3	22.9	0.59
F22	29 Aug 2018	3	23.61	82.61	7.9	33.85	8.3	22.9	0.68
F22	29 Aug 2018	4	23.33	82.39	7.8	33.83	8.3	23.0	0.62
F22	29 Aug 2018	5	22.07	85.32	8.0	33.75	8.2	23.2	0.42
F22	29 Aug 2018	6	21.51	87.17	8.1	33.72	8.2	23.4	0.30
F22	29 Aug 2018	7	21.05	88.15	8.2	33.69	8.2	23.5	0.21
F22	29 Aug 2018	8	20.65	88.28	8.3	33.67	8.2	23.6	0.16
F22	29 Aug 2018	9	20.30	88.53	8.3	33.66	8.2	23.7	0.14
F22	29 Aug 2018	10	19.26	88.59	8.5	33.62	8.2	23.9	0.14
F22	29 Aug 2018	11	18.86	88.58	8.6	33.60	8.2	24.0	0.14
F22	29 Aug 2018	12	18.35	88.59	8.7	33.58	8.2	24.1	0.13
F22	29 Aug 2018	13	18.00	88.69	8.7	33.57	8.2	24.2	0.12
F22	29 Aug 2018	14	17.64	88.72	8.8	33.56	8.2	24.3	0.13
F22	29 Aug 2018	15	17.33	88.43	8.7	33.55	8.2	24.3	0.19
F22	29 Aug 2018	16	16.79	87.92	8.6	33.54	8.2	24.4	0.33
F22	29 Aug 2018	17	16.38	87.14	8.7	33.53	8.2	24.5	0.52
F22	29 Aug 2018	18	16.26	86.42	8.7	33.52	8.2	24.6	0.81
F22	29 Aug 2018	19	15.89	85.74	8.7	33.52	8.2	24.6	1.11
F22	29 Aug 2018	20	15.65	85.32	8.7	33.51	8.2	24.7	1.46
F22	29 Aug 2018	21	15.39	84.09	8.6	33.51	8.2	24.7	1.87
F22	29 Aug 2018	22	14.88	85.12	8.5	33.52	8.2	24.9	1.75
F22	29 Aug 2018	23	14.60	85.85	8.5	33.51	8.2	24.9	1.57
F22	29 Aug 2018	24	14.59	85.58	8.3	33.51	8.2	24.9	1.66
F22	29 Aug 2018	25	14.28	85.82	8.0	33.52	8.2	25.0	1.73
F22	29 Aug 2018	26	14.19	86.81	7.9	33.52	8.1	25.0	1.70
F22	29 Aug 2018	27	14.05	87.45	7.7	33.52	8.1	25.0	1.44
F22	29 Aug 2018	28	13.87	88.01	7.6	33.52	8.1	25.1	1.22
F22	29 Aug 2018	29	13.80	88.24	7.4	33.53	8.1	25.1	1.09
F22	29 Aug 2018	30	13.74	88.32	7.3	33.53	8.1	25.1	1.02
F22	29 Aug 2018	31	13.56	88.54	7.2	33.54	8.1	25.1	0.90
F22	29 Aug 2018	32	13.54	88.71	7.1	33.53	8.1	25.1	0.77
F22	29 Aug 2018	33	13.42	88.85	7.2	33.53	8.1	25.2	0.76
F22	29 Aug 2018	34	13.41	88.86	7.2	33.53	8.1	25.2	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	29 Aug 2018	35	13.40	88.94	7.2	33.53	8.1	25.2	0.79
F22	29 Aug 2018	36	13.33	89.01	7.2	33.54	8.1	25.2	0.79
F22	29 Aug 2018	37	13.31	89.14	7.1	33.54	8.1	25.2	0.86
F22	29 Aug 2018	38	13.27	89.20	6.9	33.54	8.1	25.2	0.63
F22	29 Aug 2018	39	13.20	89.30	6.8	33.54	8.0	25.2	0.55
F22	29 Aug 2018	40	13.13	89.30	6.7	33.55	8.0	25.2	0.45
F22	29 Aug 2018	41	13.11	89.23	6.6	33.55	8.0	25.2	0.41
F22	29 Aug 2018	42	13.06	89.26	6.6	33.55	8.0	25.3	0.40
F22	29 Aug 2018	43	13.04	89.25	6.5	33.55	8.0	25.3	0.40
F22	29 Aug 2018	44	12.99	89.27	6.5	33.55	8.0	25.3	0.38
F22	29 Aug 2018	45	12.97	89.28	6.4	33.55	8.0	25.3	0.37
F22	29 Aug 2018	46	12.90	89.29	6.3	33.55	8.0	25.3	0.34
F22	29 Aug 2018	47	12.80	89.27	6.2	33.55	8.0	25.3	0.30
F22	29 Aug 2018	48	12.78	89.30	6.2	33.55	8.0	25.3	0.31
F22	29 Aug 2018	49	12.75	89.27	6.2	33.55	8.0	25.3	0.31
F22	29 Aug 2018	50	12.74	89.20	6.1	33.55	8.0	25.3	0.30
F22	29 Aug 2018	51	12.72	89.15	6.0	33.55	8.0	25.3	0.25
F22	29 Aug 2018	52	12.68	89.15	6.0	33.55	8.0	25.3	0.22
F22	29 Aug 2018	53	12.65	89.08	6.0	33.55	8.0	25.3	0.22
F22	29 Aug 2018	54	12.61	89.11	5.9	33.54	8.0	25.3	0.18
F22	29 Aug 2018	55	12.57	89.18	5.9	33.54	8.0	25.3	0.16
F22	29 Aug 2018	56	12.55	89.24	5.9	33.54	8.0	25.4	0.15
F22	29 Aug 2018	57	12.50	89.23	5.9	33.54	8.0	25.4	0.15
F22	29 Aug 2018	58	12.43	89.31	5.9	33.53	8.0	25.4	0.11
F22	29 Aug 2018	59	12.33	89.28	5.9	33.53	8.0	25.4	0.13
F22	29 Aug 2018	60	12.28	89.50	6.0	33.54	8.0	25.4	0.15
F22	29 Aug 2018	61	12.26	89.43	6.0	33.55	8.0	25.4	0.15
F22	29 Aug 2018	62	12.23	89.66	6.0	33.55	8.0	25.4	0.23
F22	29 Aug 2018	63	12.14	89.63	5.9	33.55	8.0	25.4	0.18
F22	29 Aug 2018	64	12.09	89.46	5.8	33.55	8.0	25.4	0.14
F22	29 Aug 2018	65	12.07	89.41	5.7	33.55	7.9	25.4	0.10
F22	29 Aug 2018	66	12.05	89.29	5.7	33.54	7.9	25.4	0.09
F22	29 Aug 2018	67	12.03	89.26	5.6	33.54	7.9	25.4	0.08
F22	29 Aug 2018	68	12.00	89.16	5.6	33.54	7.9	25.5	0.08
F22	29 Aug 2018	69	11.99	89.17	5.6	33.55	7.9	25.5	0.08
F22	29 Aug 2018	70	11.98	89.28	5.6	33.56	7.9	25.5	0.08
F22	29 Aug 2018	71	11.95	89.37	5.6	33.56	7.9	25.5	0.10
F22	29 Aug 2018	72	11.92	89.30	5.6	33.57	7.9	25.5	0.10
F22	29 Aug 2018	73	11.90	89.37	5.6	33.57	7.9	25.5	0.12
F22	29 Aug 2018	74	11.89	89.33	5.6	33.57	7.9	25.5	0.11
F22	29 Aug 2018	75	11.88	89.37	5.6	33.57	7.9	25.5	0.10
F22	29 Aug 2018	76	11.84	89.41	5.5	33.58	7.9	25.5	0.10
F22	29 Aug 2018	77	11.78	89.50	5.5	33.58	7.9	25.5	0.10
F22	29 Aug 2018	78	11.68	89.41	5.4	33.59	7.9	25.6	0.08
F22	29 Aug 2018	79	11.61	88.72	5.4	33.59	7.9	25.6	0.09
F22	29 Aug 2018	80	11.59	87.94	5.3	33.59	7.9	25.6	0.09
F22	29 Aug 2018	81	11.60	87.50	5.3	33.59	7.9	25.6	0.06
F23	29 Aug 2018	1	23.72	82.44	7.9	33.85	8.3	22.9	0.58
F23	29 Aug 2018	2	23.72	83.11	7.9	33.85	8.3	22.9	0.57
F23	29 Aug 2018	3	23.70	83.10	7.8	33.85	8.3	22.9	0.59
F23	29 Aug 2018	4	22.66	84.77	7.9	33.79	8.2	23.1	0.51
F23	29 Aug 2018	5	21.89	87.94	8.0	33.72	8.2	23.3	0.26
F23	29 Aug 2018	6	21.23	88.35	8.1	33.70	8.2	23.4	0.16
F23	29 Aug 2018	7	20.24	88.64	8.3	33.65	8.2	23.7	0.13

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	29 Aug 2018	8	19.14	88.77	8.4	33.62	8.2	23.9	0.12
F23	29 Aug 2018	9	18.68	88.86	8.6	33.58	8.2	24.0	0.11
F23	29 Aug 2018	10	18.17	88.96	8.6	33.58	8.2	24.1	0.11
F23	29 Aug 2018	11	17.89	88.98	8.6	33.57	8.2	24.2	0.11
F23	29 Aug 2018	12	17.46	88.96	8.7	33.56	8.2	24.3	0.11
F23	29 Aug 2018	13	17.30	88.90	8.7	33.55	8.2	24.3	0.12
F23	29 Aug 2018	14	17.08	88.85	8.7	33.55	8.2	24.4	0.12
F23	29 Aug 2018	15	16.91	88.81	8.7	33.55	8.2	24.4	0.16
F23	29 Aug 2018	16	16.74	88.53	8.7	33.54	8.2	24.5	0.23
F23	29 Aug 2018	17	16.56	88.01	8.6	33.54	8.2	24.5	0.34
F23	29 Aug 2018	18	16.35	87.70	8.6	33.54	8.2	24.5	0.50
F23	29 Aug 2018	19	16.03	87.49	8.7	33.53	8.2	24.6	0.63
F23	29 Aug 2018	20	15.79	86.95	8.8	33.52	8.2	24.7	0.75
F23	29 Aug 2018	21	15.69	86.66	8.8	33.52	8.2	24.7	0.85
F23	29 Aug 2018	22	15.59	86.36	8.7	33.52	8.2	24.7	1.01
F23	29 Aug 2018	23	15.49	86.07	8.6	33.52	8.2	24.7	1.26
F23	29 Aug 2018	24	15.31	85.41	8.6	33.52	8.2	24.8	1.56
F23	29 Aug 2018	25	15.26	86.09	8.6	33.52	8.2	24.8	1.55
F23	29 Aug 2018	26	15.00	86.78	8.5	33.52	8.2	24.8	1.24
F23	29 Aug 2018	27	14.73	86.72	8.4	33.52	8.2	24.9	1.17
F23	29 Aug 2018	28	14.65	86.49	8.3	33.52	8.2	24.9	1.25
F23	29 Aug 2018	29	14.46	86.29	8.2	33.52	8.2	25.0	1.46
F23	29 Aug 2018	30	14.14	85.28	8.1	33.52	8.1	25.0	1.89
F23	29 Aug 2018	31	13.95	84.88	7.9	33.53	8.1	25.1	2.31
F23	29 Aug 2018	32	13.88	85.51	7.8	33.52	8.1	25.1	2.38
F23	29 Aug 2018	33	13.87	86.06	7.8	33.52	8.1	25.1	2.19
F23	29 Aug 2018	34	13.85	86.56	7.7	33.52	8.1	25.1	1.91
F23	29 Aug 2018	35	13.82	87.35	7.6	33.52	8.1	25.1	1.68
F23	29 Aug 2018	36	13.62	88.33	7.4	33.53	8.1	25.1	1.32
F23	29 Aug 2018	37	13.51	88.68	7.3	33.53	8.1	25.1	1.09
F23	29 Aug 2018	38	13.46	88.81	7.3	33.53	8.1	25.2	1.01
F23	29 Aug 2018	39	13.52	88.76	7.2	33.53	8.1	25.1	0.91
F23	29 Aug 2018	40	13.35	88.77	7.1	33.54	8.1	25.2	0.82
F23	29 Aug 2018	41	13.30	88.73	6.9	33.54	8.1	25.2	0.76
F23	29 Aug 2018	42	13.27	88.92	6.9	33.54	8.1	25.2	0.68
F23	29 Aug 2018	43	13.19	89.07	6.8	33.54	8.0	25.2	0.65
F23	29 Aug 2018	44	13.08	89.06	6.8	33.54	8.0	25.2	0.64
F23	29 Aug 2018	45	12.95	89.14	6.6	33.54	8.0	25.3	0.57
F23	29 Aug 2018	46	12.95	89.14	6.6	33.54	8.0	25.3	0.52
F23	29 Aug 2018	47	12.94	89.19	6.6	33.54	8.0	25.3	0.46
F23	29 Aug 2018	48	12.93	89.24	6.6	33.54	8.0	25.3	0.45
F23	29 Aug 2018	49	12.92	89.19	6.5	33.54	8.0	25.3	0.46
F23	29 Aug 2018	50	12.88	89.07	6.4	33.55	8.0	25.3	0.40
F23	29 Aug 2018	51	12.81	88.93	6.3	33.55	8.0	25.3	0.33
F23	29 Aug 2018	52	12.76	88.92	6.2	33.55	8.0	25.3	0.31
F23	29 Aug 2018	53	12.69	88.93	6.1	33.55	8.0	25.3	0.24
F23	29 Aug 2018	54	12.61	88.61	5.9	33.55	8.0	25.3	0.20
F23	29 Aug 2018	55	12.54	87.98	5.8	33.55	8.0	25.4	0.17
F23	29 Aug 2018	56	12.50	87.73	5.7	33.55	8.0	25.4	0.14
F23	29 Aug 2018	57	12.42	88.35	5.6	33.55	7.9	25.4	0.12
F23	29 Aug 2018	58	12.37	88.90	5.6	33.55	7.9	25.4	0.10
F23	29 Aug 2018	59	12.31	88.78	5.6	33.55	7.9	25.4	0.09
F23	29 Aug 2018	60	12.22	87.98	5.5	33.55	7.9	25.4	0.09
F23	29 Aug 2018	61	12.19	87.69	5.4	33.55	7.9	25.4	0.08
F23	29 Aug 2018	62	12.18	87.66	5.4	33.55	7.9	25.4	0.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	29 Aug 2018	63	12.16	87.77	5.4	33.55	7.9	25.4	0.08
F23	29 Aug 2018	64	12.13	87.57	5.4	33.55	7.9	25.4	0.06
F23	29 Aug 2018	65	12.11	87.57	5.4	33.55	7.9	25.4	0.07
F23	29 Aug 2018	66	12.08	87.67	5.4	33.55	7.9	25.5	0.05
F23	29 Aug 2018	67	12.07	87.73	5.4	33.55	7.9	25.5	0.05
F23	29 Aug 2018	68	12.06	87.57	5.4	33.55	7.9	25.5	0.04
F23	29 Aug 2018	69	12.05	87.69	5.4	33.55	7.9	25.5	0.05
F23	29 Aug 2018	70	12.05	87.71	5.6	33.55	7.9	25.5	0.04
F23	29 Aug 2018	71	12.04	87.71	5.4	33.55	7.9	25.5	0.03
F23	29 Aug 2018	72	12.04	87.46	5.3	33.56	7.9	25.5	0.04
F23	29 Aug 2018	73	12.02	87.23	5.3	33.56	7.9	25.5	0.04
F23	29 Aug 2018	74	12.00	86.90	5.2	33.56	7.9	25.5	0.03
F23	29 Aug 2018	75	11.93	86.49	5.2	33.57	7.9	25.5	0.04
F23	29 Aug 2018	76	11.89	86.52	5.2	33.57	7.9	25.5	0.04
F23	29 Aug 2018	77	11.82	86.91	5.2	33.57	7.9	25.5	0.04
F23	29 Aug 2018	78	11.78	87.32	5.2	33.58	7.9	25.5	0.06
F23	29 Aug 2018	79	11.75	86.99	5.2	33.58	7.9	25.5	0.06
F23	29 Aug 2018	80	11.65	86.29	5.2	33.59	7.9	25.6	0.09
F23	29 Aug 2018	81	11.56	85.65	5.2	33.60	7.9	25.6	0.08
F23	29 Aug 2018	82	11.56	85.38	5.2	33.60	7.9	25.6	0.07
F24	29 Aug 2018	1	23.73	58.05	7.8	33.70	8.3	22.7	0.62
F24	29 Aug 2018	2	23.73	82.48	7.8	33.85	8.3	22.9	0.66
F24	29 Aug 2018	3	23.73	82.62	7.8	33.86	8.3	22.9	0.69
F24	29 Aug 2018	4	23.69	83.24	7.8	33.87	8.3	22.9	0.81
F24	29 Aug 2018	5	22.72	84.90	7.8	33.84	8.3	23.1	0.71
F24	29 Aug 2018	6	22.11	87.28	7.9	33.77	8.2	23.2	0.45
F24	29 Aug 2018	7	21.43	88.31	8.0	33.74	8.2	23.4	0.28
F24	29 Aug 2018	8	20.54	88.42	8.1	33.72	8.2	23.6	0.19
F24	29 Aug 2018	9	19.68	88.70	8.3	33.68	8.2	23.8	0.16
F24	29 Aug 2018	10	18.91	88.78	8.5	33.64	8.2	24.0	0.15
F24	29 Aug 2018	11	18.40	89.00	8.6	33.61	8.2	24.1	0.12
F24	29 Aug 2018	12	18.15	89.07	8.7	33.58	8.2	24.1	0.11
F24	29 Aug 2018	13	17.96	89.00	8.6	33.58	8.2	24.2	0.11
F24	29 Aug 2018	14	17.50	89.05	8.6	33.58	8.2	24.3	0.11
F24	29 Aug 2018	15	17.23	89.00	8.7	33.56	8.2	24.4	0.10
F24	29 Aug 2018	16	17.13	88.97	8.7	33.55	8.2	24.4	0.14
F24	29 Aug 2018	17	16.80	88.85	8.7	33.55	8.2	24.5	0.17
F24	29 Aug 2018	18	16.49	88.46	8.7	33.54	8.2	24.5	0.23
F24	29 Aug 2018	19	16.41	88.33	8.7	33.54	8.2	24.5	0.29
F24	29 Aug 2018	20	16.31	88.28	8.6	33.54	8.2	24.6	0.35
F24	29 Aug 2018	21	16.14	88.01	8.6	33.54	8.2	24.6	0.41
F24	29 Aug 2018	22	15.88	87.60	8.7	33.54	8.2	24.6	0.55
F24	29 Aug 2018	23	15.68	87.11	8.7	33.53	8.2	24.7	0.71
F24	29 Aug 2018	24	15.51	86.72	8.6	33.53	8.2	24.7	0.88
F24	29 Aug 2018	25	15.36	86.56	8.6	33.52	8.2	24.8	1.06
F24	29 Aug 2018	26	15.14	86.54	8.6	33.53	8.2	24.8	1.12
F24	29 Aug 2018	27	14.92	86.85	8.5	33.53	8.2	24.9	1.08
F24	29 Aug 2018	28	14.73	86.79	8.5	33.52	8.2	24.9	1.05
F24	29 Aug 2018	29	14.65	86.68	8.4	33.52	8.2	24.9	1.13
F24	29 Aug 2018	30	14.39	86.12	8.2	33.53	8.2	25.0	1.42
F24	29 Aug 2018	31	13.97	84.84	8.0	33.53	8.1	25.1	2.00
F24	29 Aug 2018	32	13.82	85.31	7.8	33.53	8.1	25.1	2.32
F24	29 Aug 2018	33	13.73	86.06	7.6	33.53	8.1	25.1	2.23
F24	29 Aug 2018	34	13.65	86.64	7.5	33.53	8.1	25.1	2.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	29 Aug 2018	35	13.58	87.29	7.4	33.53	8.1	25.1	1.81
F24	29 Aug 2018	36	13.55	87.76	7.3	33.53	8.1	25.1	1.59
F24	29 Aug 2018	37	13.52	88.07	7.3	33.53	8.1	25.2	1.38
F24	29 Aug 2018	38	13.45	88.36	7.2	33.53	8.1	25.2	1.16
F24	29 Aug 2018	39	13.36	88.76	7.1	33.54	8.1	25.2	0.98
F24	29 Aug 2018	40	13.26	89.03	7.0	33.54	8.1	25.2	0.86
F24	29 Aug 2018	41	13.10	89.01	6.8	33.55	8.1	25.2	0.66
F24	29 Aug 2018	42	13.03	89.05	6.7	33.54	8.0	25.3	0.52
F24	29 Aug 2018	43	12.97	89.05	6.6	33.55	8.0	25.3	0.47
F24	29 Aug 2018	44	12.93	89.06	6.5	33.55	8.0	25.3	0.42
F24	29 Aug 2018	45	12.89	89.04	6.5	33.55	8.0	25.3	0.39
F24	29 Aug 2018	46	12.83	89.23	6.4	33.55	8.0	25.3	0.38
F24	29 Aug 2018	47	12.79	89.24	6.3	33.55	8.0	25.3	0.37
F24	29 Aug 2018	48	12.73	89.28	6.3	33.55	8.0	25.3	0.38
F24	29 Aug 2018	49	12.67	89.29	6.2	33.55	8.0	25.3	0.35
F24	29 Aug 2018	50	12.64	89.26	6.1	33.55	8.0	25.3	0.41
F24	29 Aug 2018	51	12.56	89.25	6.0	33.55	8.0	25.4	0.41
F24	29 Aug 2018	52	12.53	89.24	6.0	33.56	8.0	25.4	0.24
F24	29 Aug 2018	53	12.50	89.30	5.9	33.56	8.0	25.4	0.24
F24	29 Aug 2018	54	12.45	89.31	5.9	33.56	8.0	25.4	0.23
F24	29 Aug 2018	55	12.40	89.32	5.8	33.56	8.0	25.4	0.21
F24	29 Aug 2018	56	12.38	89.28	5.8	33.56	8.0	25.4	0.18
F24	29 Aug 2018	57	12.36	89.22	5.8	33.56	8.0	25.4	0.14
F24	29 Aug 2018	58	12.33	89.05	5.7	33.56	8.0	25.4	0.15
F24	29 Aug 2018	59	12.24	88.48	5.6	33.56	7.9	25.4	0.10
F24	29 Aug 2018	60	12.21	88.12	5.6	33.56	7.9	25.4	0.07
F24	29 Aug 2018	61	12.21	87.96	5.5	33.56	7.9	25.4	0.06
F24	29 Aug 2018	62	12.20	87.72	5.5	33.56	7.9	25.4	0.06
F24	29 Aug 2018	63	12.20	87.54	5.4	33.56	7.9	25.4	0.05
F24	29 Aug 2018	64	12.19	87.53	5.4	33.56	7.9	25.4	0.05
F24	29 Aug 2018	65	12.16	87.25	5.4	33.56	7.9	25.4	0.04
F24	29 Aug 2018	66	12.13	87.08	5.4	33.56	7.9	25.5	0.05
F24	29 Aug 2018	67	12.09	86.86	5.3	33.57	7.9	25.5	0.04
F24	29 Aug 2018	68	12.05	86.88	5.3	33.57	7.9	25.5	0.04
F24	29 Aug 2018	69	12.02	86.97	5.3	33.57	7.9	25.5	0.03
F24	29 Aug 2018	70	11.99	86.97	5.3	33.58	7.9	25.5	0.03
F24	29 Aug 2018	71	11.97	86.96	5.3	33.58	7.9	25.5	0.04
F24	29 Aug 2018	72	11.93	87.01	5.3	33.58	7.9	25.5	0.03
F24	29 Aug 2018	73	11.91	87.19	5.3	33.58	7.9	25.5	0.02
F24	29 Aug 2018	74	11.89	87.15	5.2	33.58	7.9	25.5	0.02
F24	29 Aug 2018	75	11.87	87.02	5.2	33.58	7.9	25.5	0.03
F24	29 Aug 2018	76	11.86	86.93	5.2	33.58	7.9	25.5	0.02
F24	29 Aug 2018	77	11.83	86.51	5.2	33.58	7.9	25.5	0.03
F24	29 Aug 2018	78	11.81	86.30	5.2	33.58	7.9	25.5	0.02
F24	29 Aug 2018	79	11.80	85.86	5.1	33.59	7.9	25.5	0.02
F24	29 Aug 2018	80	11.78	85.33	5.1	33.59	7.9	25.5	0.02
F24	29 Aug 2018	81	11.70	84.50	5.0	33.59	7.9	25.6	0.02
F24	29 Aug 2018	82	11.59	81.39	4.9	33.60	7.9	25.6	0.02
F25	29 Aug 2018	1	23.72	80.60	7.8	33.86	8.3	22.9	0.71
F25	29 Aug 2018	2	23.72	82.50	7.8	33.86	8.3	22.9	0.70
F25	29 Aug 2018	3	23.71	83.28	7.8	33.86	8.3	22.9	0.76
F25	29 Aug 2018	4	23.38	83.56	7.8	33.86	8.3	23.0	0.75
F25	29 Aug 2018	5	22.50	85.21	7.8	33.79	8.2	23.2	0.65
F25	29 Aug 2018	6	21.72	86.82	8.0	33.74	8.2	23.3	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	29 Aug 2018	7	21.80	88.35	7.9	33.71	8.2	23.3	0.27
F25	29 Aug 2018	8	20.31	88.71	8.1	33.70	8.2	23.7	0.21
F25	29 Aug 2018	9	19.45	88.79	8.4	33.65	8.2	23.9	0.16
F25	29 Aug 2018	10	19.45	88.95	8.4	33.61	8.2	23.8	0.12
F25	29 Aug 2018	11	18.96	89.02	8.4	33.62	8.2	24.0	0.11
F25	29 Aug 2018	12	18.39	89.05	8.5	33.59	8.2	24.1	0.12
F25	29 Aug 2018	13	18.09	89.13	8.5	33.58	8.2	24.2	0.11
F25	29 Aug 2018	14	17.66	89.14	8.7	33.57	8.2	24.3	0.11
F25	29 Aug 2018	15	17.57	89.15	8.7	33.56	8.2	24.3	0.12
F25	29 Aug 2018	16	17.33	89.16	8.6	33.55	8.2	24.3	0.13
F25	29 Aug 2018	17	16.95	89.08	8.7	33.54	8.2	24.4	0.13
F25	29 Aug 2018	18	16.63	88.96	8.7	33.54	8.2	24.5	0.18
F25	29 Aug 2018	19	16.48	88.99	8.7	33.53	8.2	24.5	0.27
F25	29 Aug 2018	20	16.16	88.62	8.7	33.52	8.2	24.6	0.32
F25	29 Aug 2018	21	16.01	88.47	8.7	33.52	8.2	24.6	0.34
F25	29 Aug 2018	22	15.94	88.46	8.7	33.52	8.2	24.6	0.39
F25	29 Aug 2018	23	15.81	88.28	8.7	33.52	8.2	24.7	0.47
F25	29 Aug 2018	24	15.64	87.98	8.7	33.52	8.2	24.7	0.57
F25	29 Aug 2018	25	15.49	87.63	8.6	33.52	8.2	24.7	0.71
F25	29 Aug 2018	26	15.38	87.41	8.6	33.52	8.2	24.7	0.79
F25	29 Aug 2018	27	15.25	87.33	8.6	33.52	8.2	24.8	0.77
F25	29 Aug 2018	28	15.14	87.35	8.6	33.52	8.2	24.8	0.81
F25	29 Aug 2018	29	15.03	87.41	8.5	33.52	8.2	24.8	0.86
F25	29 Aug 2018	30	14.83	87.41	8.5	33.52	8.2	24.9	0.91
F25	29 Aug 2018	31	14.58	87.24	8.4	33.52	8.2	24.9	0.98
F25	29 Aug 2018	32	14.47	87.02	8.3	33.52	8.1	24.9	1.07
F25	29 Aug 2018	33	14.36	86.69	8.3	33.52	8.1	25.0	1.24
F25	29 Aug 2018	34	14.26	86.40	8.2	33.53	8.1	25.0	1.63
F25	29 Aug 2018	35	13.95	85.20	7.9	33.53	8.1	25.1	2.28
F25	29 Aug 2018	36	13.80	84.67	7.7	33.53	8.1	25.1	2.29
F25	29 Aug 2018	37	13.67	86.18	7.5	33.53	8.1	25.1	2.09
F25	29 Aug 2018	38	13.71	85.72	7.5	33.53	8.1	25.1	1.94
F25	29 Aug 2018	39	13.63	86.44	7.4	33.53	8.1	25.1	1.84
F25	29 Aug 2018	40	13.58	87.10	7.4	33.53	8.1	25.1	1.75
F25	29 Aug 2018	41	13.56	87.30	7.3	33.53	8.1	25.1	1.64
F25	29 Aug 2018	42	13.53	87.65	7.3	33.53	8.1	25.1	1.46
F25	29 Aug 2018	43	13.46	87.86	7.2	33.53	8.1	25.2	1.31
F25	29 Aug 2018	44	13.36	88.19	7.1	33.54	8.1	25.2	1.13
F25	29 Aug 2018	45	13.28	88.66	7.0	33.54	8.0	25.2	0.93
F25	29 Aug 2018	46	13.26	88.81	7.0	33.54	8.0	25.2	0.82
F25	29 Aug 2018	47	13.23	89.01	6.9	33.54	8.0	25.2	0.74
F25	29 Aug 2018	48	13.25	88.96	6.9	33.54	8.0	25.2	0.77
F25	29 Aug 2018	49	13.22	89.07	6.8	33.54	8.0	25.2	0.72
F25	29 Aug 2018	50	13.01	89.13	6.6	33.54	8.0	25.3	0.61
F25	29 Aug 2018	51	12.87	89.12	6.5	33.55	8.0	25.3	0.49
F25	29 Aug 2018	52	12.83	89.26	6.4	33.55	8.0	25.3	0.46
F25	29 Aug 2018	53	12.71	89.27	6.2	33.54	8.0	25.3	0.40
F25	29 Aug 2018	54	12.55	89.36	6.1	33.54	8.0	25.4	0.36
F25	29 Aug 2018	55	12.53	89.36	6.0	33.55	8.0	25.4	0.31
F25	29 Aug 2018	56	12.45	89.35	5.9	33.55	8.0	25.4	0.26
F25	29 Aug 2018	57	12.44	89.39	5.9	33.55	8.0	25.4	0.22
F25	29 Aug 2018	58	12.41	89.38	5.8	33.55	7.9	25.4	0.21
F25	29 Aug 2018	59	12.34	89.44	5.8	33.55	7.9	25.4	0.19
F25	29 Aug 2018	60	12.31	89.43	5.8	33.55	7.9	25.4	0.18
F25	29 Aug 2018	61	12.28	89.48	5.7	33.55	7.9	25.4	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	29 Aug 2018	62	12.24	89.49	5.7	33.55	7.9	25.4	0.15
F25	29 Aug 2018	63	12.24	89.48	5.7	33.55	7.9	25.4	0.16
F25	29 Aug 2018	64	12.13	89.48	5.6	33.55	7.9	25.4	0.12
F25	29 Aug 2018	65	12.10	89.44	5.6	33.55	7.9	25.4	0.10
F25	29 Aug 2018	66	12.11	89.42	5.6	33.56	7.9	25.5	0.11
F25	29 Aug 2018	67	12.11	89.44	5.6	33.56	7.9	25.5	0.12
F25	29 Aug 2018	68	12.03	89.12	5.5	33.57	7.9	25.5	0.10
F25	29 Aug 2018	69	11.98	88.90	5.5	33.57	7.9	25.5	0.12
F25	29 Aug 2018	70	11.98	88.91	5.5	33.57	7.9	25.5	0.09
F25	29 Aug 2018	71	11.97	88.93	5.5	33.57	7.9	25.5	0.10
F25	29 Aug 2018	72	11.96	88.88	5.5	33.57	7.9	25.5	0.10
F25	29 Aug 2018	73	11.95	88.85	5.4	33.58	7.9	25.5	0.12
F25	29 Aug 2018	74	11.92	88.89	5.4	33.58	7.9	25.5	0.09
F25	29 Aug 2018	75	11.91	88.87	5.4	33.58	7.9	25.5	0.08
F25	29 Aug 2018	76	11.85	88.64	5.4	33.58	7.9	25.5	0.09
F25	29 Aug 2018	77	11.82	87.92	5.3	33.59	7.9	25.5	0.08
F25	29 Aug 2018	78	11.81	88.16	5.3	33.59	7.9	25.5	0.07
F25	29 Aug 2018	79	11.74	86.82	5.2	33.59	7.9	25.5	0.09
F25	29 Aug 2018	80	11.68	84.99	5.1	33.59	7.9	25.6	0.06
F26	30 Aug 2018	1	23.42	82.79	7.9	33.82	8.3	22.9	0.37
F26	30 Aug 2018	2	23.40	82.74	7.9	33.83	8.3	22.9	0.37
F26	30 Aug 2018	3	23.36	83.02	8.0	33.83	8.3	22.9	0.36
F26	30 Aug 2018	4	23.28	82.69	7.9	33.83	8.3	23.0	0.40
F26	30 Aug 2018	5	23.19	82.94	7.9	33.83	8.3	23.0	0.44
F26	30 Aug 2018	6	23.20	83.30	7.9	33.82	8.3	23.0	0.49
F26	30 Aug 2018	7	23.16	83.45	7.8	33.82	8.3	23.0	0.54
F26	30 Aug 2018	8	23.12	83.88	7.9	33.82	8.3	23.0	0.68
F26	30 Aug 2018	9	22.91	84.89	7.8	33.82	8.3	23.1	0.69
F26	30 Aug 2018	10	21.79	87.54	7.8	33.77	8.2	23.3	0.46
F26	30 Aug 2018	11	21.45	87.96	7.9	33.73	8.2	23.4	0.29
F26	30 Aug 2018	12	20.71	88.53	8.0	33.72	8.2	23.6	0.21
F26	30 Aug 2018	13	19.68	88.67	8.2	33.67	8.2	23.8	0.16
F26	30 Aug 2018	14	18.98	88.87	8.5	33.63	8.2	24.0	0.15
F26	30 Aug 2018	15	18.80	88.97	8.6	33.60	8.2	24.0	0.13
F26	30 Aug 2018	16	18.45	88.96	8.5	33.59	8.2	24.1	0.13
F26	30 Aug 2018	17	18.08	89.06	8.6	33.58	8.2	24.2	0.12
F26	30 Aug 2018	18	17.81	89.05	8.6	33.57	8.2	24.2	0.12
F26	30 Aug 2018	19	17.31	89.03	8.6	33.55	8.2	24.3	0.13
F26	30 Aug 2018	20	17.05	88.95	8.7	33.53	8.2	24.4	0.14
F26	30 Aug 2018	21	17.02	88.96	8.6	33.55	8.2	24.4	0.14
F26	30 Aug 2018	22	16.41	88.77	8.6	33.53	8.2	24.5	0.19
F26	30 Aug 2018	23	16.21	88.74	8.7	33.52	8.2	24.6	0.23
F26	30 Aug 2018	24	16.21	88.67	8.7	33.53	8.2	24.6	0.23
F26	30 Aug 2018	25	16.04	88.50	8.7	33.52	8.2	24.6	0.28
F26	30 Aug 2018	26	16.03	88.48	8.7	33.52	8.2	24.6	0.29
F26	30 Aug 2018	27	15.89	88.53	8.6	33.52	8.2	24.6	0.33
F26	30 Aug 2018	28	15.84	88.46	8.7	33.52	8.2	24.6	0.35
F26	30 Aug 2018	29	15.76	88.38	8.6	33.53	8.2	24.7	0.37
F26	30 Aug 2018	30	15.56	88.21	8.6	33.53	8.2	24.7	0.44
F26	30 Aug 2018	31	15.51	88.20	8.6	33.53	8.2	24.7	0.46
F26	30 Aug 2018	32	15.30	88.11	8.6	33.53	8.2	24.8	0.48
F26	30 Aug 2018	33	15.36	88.16	8.5	33.53	8.2	24.8	0.48
F26	30 Aug 2018	34	15.02	88.11	8.4	33.53	8.2	24.8	0.53
F26	30 Aug 2018	35	14.83	87.90	8.4	33.53	8.2	24.9	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	30 Aug 2018	36	14.75	87.61	8.3	33.53	8.2	24.9	0.71
F26	30 Aug 2018	37	14.58	87.39	8.3	33.53	8.2	24.9	0.78
F26	30 Aug 2018	38	14.47	87.24	8.2	33.53	8.1	25.0	0.84
F26	30 Aug 2018	39	14.39	87.07	8.2	33.53	8.1	25.0	0.95
F26	30 Aug 2018	40	14.21	86.74	8.2	33.53	8.1	25.0	1.04
F26	30 Aug 2018	41	14.11	86.28	8.2	33.52	8.1	25.0	1.20
F26	30 Aug 2018	42	14.02	86.04	8.1	33.52	8.1	25.0	1.58
F26	30 Aug 2018	43	13.93	85.13	8.0	33.52	8.1	25.1	2.20
F26	30 Aug 2018	44	13.87	84.19	7.8	33.52	8.1	25.1	2.69
F26	30 Aug 2018	45	13.71	85.03	7.6	33.53	8.1	25.1	2.38
F26	30 Aug 2018	46	13.68	85.67	7.5	33.53	8.1	25.1	2.22
F26	30 Aug 2018	47	13.69	85.84	7.4	33.53	8.1	25.1	2.21
F26	30 Aug 2018	48	13.62	86.58	7.4	33.53	8.1	25.1	1.97
F26	30 Aug 2018	49	13.55	86.79	7.3	33.53	8.1	25.1	1.74
F26	30 Aug 2018	50	13.44	87.39	7.2	33.53	8.1	25.2	1.39
F26	30 Aug 2018	51	13.35	88.37	7.1	33.54	8.1	25.2	1.11
F26	30 Aug 2018	52	13.22	88.84	7.0	33.54	8.0	25.2	0.89
F26	30 Aug 2018	53	13.18	89.09	7.0	33.53	8.0	25.2	0.81
F26	30 Aug 2018	54	13.14	89.19	7.0	33.53	8.0	25.2	0.74
F26	30 Aug 2018	55	13.13	89.20	7.0	33.53	8.0	25.2	0.73
F26	30 Aug 2018	56	13.12	89.18	7.0	33.53	8.0	25.2	0.74
F26	30 Aug 2018	57	13.09	89.23	7.0	33.53	8.0	25.2	0.78
F26	30 Aug 2018	58	13.06	89.25	7.0	33.53	8.0	25.2	0.72
F26	30 Aug 2018	59	13.04	89.31	6.8	33.53	8.0	25.2	0.65
F26	30 Aug 2018	60	12.95	89.28	6.7	33.54	8.0	25.3	0.55
F26	30 Aug 2018	61	12.96	89.24	6.6	33.53	8.0	25.3	0.61
F26	30 Aug 2018	62	12.91	89.26	6.5	33.54	8.0	25.3	0.52
F26	30 Aug 2018	63	12.87	89.25	6.5	33.54	8.0	25.3	0.52
F26	30 Aug 2018	64	12.80	89.23	6.4	33.54	8.0	25.3	0.45
F26	30 Aug 2018	65	12.75	89.06	6.3	33.54	8.0	25.3	0.40
F26	30 Aug 2018	66	12.63	88.75	6.1	33.53	8.0	25.3	0.31
F26	30 Aug 2018	67	12.57	88.70	6.0	33.53	8.0	25.3	0.25
F26	30 Aug 2018	68	12.57	88.83	6.0	33.53	8.0	25.3	0.18
F26	30 Aug 2018	69	12.52	88.91	5.9	33.53	8.0	25.3	0.16
F26	30 Aug 2018	70	12.46	88.96	5.9	33.53	7.9	25.4	0.12
F26	30 Aug 2018	71	12.39	88.92	5.8	33.53	7.9	25.4	0.12
F26	30 Aug 2018	72	12.34	88.80	5.7	33.53	7.9	25.4	0.06
F26	30 Aug 2018	73	12.32	88.77	5.6	33.52	7.9	25.4	0.03
F26	30 Aug 2018	74	12.25	88.77	5.6	33.52	7.9	25.4	0.01
F26	30 Aug 2018	75	12.23	88.69	5.5	33.52	7.9	25.4	0.01
F26	30 Aug 2018	76	12.17	88.66	5.5	33.53	7.9	25.4	0.01
F26	30 Aug 2018	77	12.14	88.60	5.5	33.53	7.9	25.4	0.04
F26	30 Aug 2018	78	12.15	88.52	5.5	33.53	7.9	25.4	0.03
F26	30 Aug 2018	79	12.13	88.69	5.6	33.55	7.9	25.4	0.10
F26	30 Aug 2018	80	12.14	88.83	5.7	33.56	7.9	25.4	0.15
F26	30 Aug 2018	81	12.11	88.85	5.7	33.56	7.9	25.5	0.17
F26	30 Aug 2018	82	12.09	88.69	5.7	33.56	7.9	25.5	0.17
F26	30 Aug 2018	83	11.99	88.70	5.6	33.58	7.9	25.5	0.16
F26	30 Aug 2018	84	11.92	88.99	5.6	33.58	7.9	25.5	0.16
F26	30 Aug 2018	85	11.87	88.93	5.5	33.58	7.9	25.5	0.14
F26	30 Aug 2018	86	11.80	88.80	5.5	33.59	7.9	25.5	0.13
F26	30 Aug 2018	87	11.76	88.67	5.4	33.59	7.9	25.5	0.14
F26	30 Aug 2018	88	11.71	88.66	5.4	33.59	7.9	25.5	0.11
F26	30 Aug 2018	89	11.67	88.71	5.4	33.59	7.9	25.6	0.10
F26	30 Aug 2018	90	11.62	88.72	5.4	33.60	7.9	25.6	0.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	30 Aug 2018	91	11.57	88.71	5.3	33.60	7.9	25.6	0.08
F26	30 Aug 2018	92	11.47	88.75	5.3	33.61	7.9	25.6	0.07
F26	30 Aug 2018	93	11.32	88.93	5.2	33.62	7.9	25.6	0.15
F26	30 Aug 2018	94	11.31	89.10	5.2	33.62	7.9	25.6	0.07
F26	30 Aug 2018	95	11.07	89.06	5.0	33.65	7.8	25.7	0.04
F26	30 Aug 2018	96	10.88	88.76	4.9	33.67	7.8	25.8	0.03
F26	30 Aug 2018	97	10.75	88.24	4.8	33.69	7.8	25.8	0.00
F26	30 Aug 2018	98	10.80	88.12	4.8	33.68	7.8	25.8	0.00
F26	30 Aug 2018	99	10.72	88.05	4.7	33.69	7.8	25.8	0.01
F27	30 Aug 2018	1	23.50	82.33	7.9	33.83	8.3	22.9	0.43
F27	30 Aug 2018	2	23.50	82.59	7.9	33.83	8.3	22.9	0.41
F27	30 Aug 2018	3	23.43	82.63	7.9	33.83	8.3	22.9	0.49
F27	30 Aug 2018	4	23.34	82.79	7.9	33.84	8.3	23.0	0.55
F27	30 Aug 2018	5	23.23	83.21	7.9	33.83	8.3	23.0	0.56
F27	30 Aug 2018	6	23.17	83.62	7.9	33.83	8.3	23.0	0.56
F27	30 Aug 2018	7	23.08	84.05	7.8	33.82	8.3	23.0	0.55
F27	30 Aug 2018	8	22.87	84.72	7.7	33.82	8.2	23.1	0.50
F27	30 Aug 2018	9	21.76	86.79	7.8	33.81	8.2	23.4	0.43
F27	30 Aug 2018	10	21.05	88.50	8.0	33.72	8.2	23.5	0.24
F27	30 Aug 2018	11	19.86	88.59	8.2	33.72	8.2	23.8	0.17
F27	30 Aug 2018	12	18.99	88.85	8.5	33.65	8.2	24.0	0.14
F27	30 Aug 2018	13	18.79	88.94	8.6	33.61	8.2	24.0	0.09
F27	30 Aug 2018	14	18.67	88.99	8.5	33.61	8.2	24.0	0.08
F27	30 Aug 2018	15	18.05	88.96	8.6	33.61	8.2	24.2	0.09
F27	30 Aug 2018	16	17.95	89.00	8.6	33.58	8.2	24.2	0.09
F27	30 Aug 2018	17	17.58	89.02	8.6	33.58	8.2	24.3	0.09
F27	30 Aug 2018	18	17.39	89.03	8.6	33.57	8.2	24.3	0.10
F27	30 Aug 2018	19	17.10	88.98	8.7	33.56	8.2	24.4	0.11
F27	30 Aug 2018	20	16.92	88.96	8.7	33.55	8.2	24.4	0.12
F27	30 Aug 2018	21	16.89	88.95	8.6	33.55	8.2	24.4	0.16
F27	30 Aug 2018	22	16.77	88.87	8.6	33.55	8.2	24.5	0.16
F27	30 Aug 2018	23	16.56	88.78	8.6	33.55	8.2	24.5	0.16
F27	30 Aug 2018	24	16.28	88.70	8.6	33.54	8.2	24.6	0.23
F27	30 Aug 2018	25	16.05	88.65	8.7	33.53	8.2	24.6	0.27
F27	30 Aug 2018	26	15.96	88.59	8.6	33.53	8.2	24.6	0.26
F27	30 Aug 2018	27	15.93	88.49	8.7	33.53	8.2	24.6	0.27
F27	30 Aug 2018	28	15.81	88.52	8.6	33.53	8.2	24.7	0.30
F27	30 Aug 2018	29	15.75	88.40	8.6	33.53	8.2	24.7	0.31
F27	30 Aug 2018	30	15.73	88.40	8.6	33.53	8.2	24.7	0.34
F27	30 Aug 2018	31	15.69	88.43	8.6	33.53	8.2	24.7	0.36
F27	30 Aug 2018	32	15.65	88.41	8.6	33.53	8.2	24.7	0.35
F27	30 Aug 2018	33	15.63	88.42	8.6	33.53	8.2	24.7	0.41
F27	30 Aug 2018	34	15.52	88.36	8.6	33.54	8.2	24.7	0.42
F27	30 Aug 2018	35	15.42	88.22	8.5	33.54	8.2	24.8	0.41
F27	30 Aug 2018	36	15.14	88.06	8.5	33.54	8.2	24.8	0.45
F27	30 Aug 2018	37	14.96	88.00	8.5	33.53	8.2	24.9	0.51
F27	30 Aug 2018	38	14.89	87.99	8.5	33.53	8.2	24.9	0.56
F27	30 Aug 2018	39	14.82	87.95	8.5	33.52	8.2	24.9	0.59
F27	30 Aug 2018	40	14.73	87.76	8.4	33.52	8.2	24.9	0.65
F27	30 Aug 2018	41	14.65	87.59	8.2	33.53	8.1	24.9	0.70
F27	30 Aug 2018	42	14.47	87.19	8.1	33.53	8.1	25.0	0.77
F27	30 Aug 2018	43	14.41	86.72	8.0	33.53	8.1	25.0	0.90
F27	30 Aug 2018	44	14.33	86.59	8.0	33.53	8.1	25.0	1.07
F27	30 Aug 2018	45	14.32	86.52	8.0	33.52	8.1	25.0	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	30 Aug 2018	46	14.25	86.12	8.1	33.52	8.1	25.0	1.31
F27	30 Aug 2018	47	14.16	85.78	8.1	33.52	8.1	25.0	1.52
F27	30 Aug 2018	48	14.13	85.45	8.1	33.52	8.1	25.0	1.74
F27	30 Aug 2018	49	14.12	85.36	8.0	33.52	8.1	25.0	1.84
F27	30 Aug 2018	50	14.05	84.93	7.9	33.53	8.1	25.0	2.14
F27	30 Aug 2018	51	13.98	83.07	7.9	33.53	8.1	25.1	2.88
F27	30 Aug 2018	52	13.92	82.45	7.8	33.53	8.1	25.1	3.42
F27	30 Aug 2018	53	13.82	83.13	7.7	33.52	8.1	25.1	3.67
F27	30 Aug 2018	54	13.79	83.65	7.7	33.52	8.1	25.1	3.59
F27	30 Aug 2018	55	13.64	85.53	7.5	33.53	8.1	25.1	2.76
F27	30 Aug 2018	56	13.57	87.25	7.3	33.53	8.1	25.1	2.09
F27	30 Aug 2018	57	13.41	87.97	7.1	33.53	8.0	25.2	1.48
F27	30 Aug 2018	58	13.32	88.65	7.0	33.53	8.0	25.2	1.19
F27	30 Aug 2018	59	13.27	88.70	6.9	33.53	8.0	25.2	1.02
F27	30 Aug 2018	60	13.03	89.06	6.8	33.54	8.0	25.3	0.88
F27	30 Aug 2018	61	12.88	89.44	6.8	33.53	8.0	25.3	0.64
F27	30 Aug 2018	62	12.77	89.52	6.7	33.54	8.0	25.3	0.56
F27	30 Aug 2018	63	12.72	89.46	6.6	33.53	8.0	25.3	0.51
F27	30 Aug 2018	64	12.69	89.42	6.5	33.53	8.0	25.3	0.46
F27	30 Aug 2018	65	12.58	89.24	6.3	33.53	8.0	25.3	0.39
F27	30 Aug 2018	66	12.54	88.99	6.2	33.53	8.0	25.3	0.33
F27	30 Aug 2018	67	12.53	89.00	6.2	33.53	8.0	25.3	0.33
F27	30 Aug 2018	68	12.51	88.92	6.1	33.53	8.0	25.3	0.28
F27	30 Aug 2018	69	12.48	88.87	6.1	33.52	8.0	25.4	0.33
F27	30 Aug 2018	70	12.45	88.72	6.0	33.52	7.9	25.4	0.29
F27	30 Aug 2018	71	12.42	88.67	5.9	33.52	7.9	25.4	0.22
F27	30 Aug 2018	72	12.41	88.66	5.9	33.52	7.9	25.4	0.18
F27	30 Aug 2018	73	12.35	88.54	5.8	33.51	7.9	25.4	0.16
F27	30 Aug 2018	74	12.29	88.41	5.7	33.51	7.9	25.4	0.12
F27	30 Aug 2018	75	12.26	88.28	5.7	33.51	7.9	25.4	0.10
F27	30 Aug 2018	76	12.17	88.10	5.5	33.50	7.9	25.4	0.09
F27	30 Aug 2018	77	12.11	87.85	5.4	33.50	7.9	25.4	0.06
F27	30 Aug 2018	78	12.04	87.62	5.4	33.50	7.9	25.4	0.04
F27	30 Aug 2018	79	11.99	87.95	5.3	33.51	7.9	25.4	0.02
F27	30 Aug 2018	80	12.00	88.10	5.4	33.51	7.9	25.4	0.02
F27	30 Aug 2018	81	12.00	88.18	5.3	33.52	7.9	25.4	0.01
F27	30 Aug 2018	82	11.99	88.06	5.3	33.52	7.9	25.4	0.02
F27	30 Aug 2018	83	12.00	88.23	5.3	33.52	7.9	25.4	0.01
F27	30 Aug 2018	84	11.99	88.32	5.3	33.54	7.9	25.5	0.00
F27	30 Aug 2018	85	11.94	88.39	5.3	33.55	7.9	25.5	0.00
F27	30 Aug 2018	86	11.88	88.35	5.3	33.55	7.9	25.5	0.01
F27	30 Aug 2018	87	11.72	87.75	5.2	33.55	7.9	25.5	0.00
F27	30 Aug 2018	88	11.62	87.41	5.0	33.56	7.9	25.5	0.00
F27	30 Aug 2018	89	11.48	86.81	5.0	33.55	7.8	25.6	0.00
F27	30 Aug 2018	90	11.41	86.57	4.9	33.55	7.8	25.6	0.00
F27	30 Aug 2018	91	11.38	86.57	4.8	33.56	7.8	25.6	0.00
F27	30 Aug 2018	92	11.30	86.61	4.8	33.57	7.8	25.6	0.00
F27	30 Aug 2018	93	11.30	86.66	4.8	33.57	7.8	25.6	0.00
F27	30 Aug 2018	94	11.24	87.00	4.8	33.59	7.8	25.6	0.00
F27	30 Aug 2018	95	11.13	87.87	4.9	33.62	7.8	25.7	0.00
F27	30 Aug 2018	96	11.00	87.97	4.9	33.65	7.8	25.7	0.00
F27	30 Aug 2018	97	10.93	88.09	4.8	33.66	7.8	25.7	0.00
F27	30 Aug 2018	98	10.79	87.77	4.7	33.68	7.8	25.8	0.00
F27	30 Aug 2018	99	10.71	87.38	4.7	33.69	7.8	25.8	-0.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	30 Aug 2018	1	23.45	81.01	8.0	33.83	8.3	22.9	0.50
F28	30 Aug 2018	2	23.40	81.89	8.0	33.83	8.3	22.9	0.48
F28	30 Aug 2018	3	23.31	82.35	8.0	33.83	8.3	23.0	0.54
F28	30 Aug 2018	4	23.06	82.99	8.0	33.82	8.3	23.0	0.65
F28	30 Aug 2018	5	23.03	83.51	8.0	33.81	8.3	23.0	0.65
F28	30 Aug 2018	6	22.93	84.40	8.0	33.81	8.3	23.0	0.60
F28	30 Aug 2018	7	22.61	85.12	7.8	33.81	8.2	23.1	0.55
F28	30 Aug 2018	8	21.44	87.31	7.9	33.78	8.2	23.4	0.42
F28	30 Aug 2018	9	20.74	87.99	8.1	33.72	8.2	23.6	0.31
F28	30 Aug 2018	10	20.19	88.30	8.2	33.69	8.2	23.7	0.21
F28	30 Aug 2018	11	19.55	88.50	8.3	33.66	8.2	23.9	0.17
F28	30 Aug 2018	12	18.84	88.84	8.5	33.62	8.2	24.0	0.12
F28	30 Aug 2018	13	18.27	88.98	8.6	33.59	8.2	24.1	0.07
F28	30 Aug 2018	14	17.96	88.91	8.6	33.58	8.2	24.2	0.06
F28	30 Aug 2018	15	17.84	88.97	8.6	33.57	8.2	24.2	0.06
F28	30 Aug 2018	16	17.83	89.02	8.6	33.57	8.2	24.2	0.08
F28	30 Aug 2018	17	17.75	89.04	8.6	33.57	8.2	24.2	0.08
F28	30 Aug 2018	18	17.73	89.04	8.5	33.57	8.2	24.2	0.11
F28	30 Aug 2018	19	17.64	89.01	8.5	33.58	8.2	24.3	0.08
F28	30 Aug 2018	20	17.45	88.99	8.6	33.57	8.2	24.3	0.10
F28	30 Aug 2018	21	17.09	88.91	8.5	33.57	8.2	24.4	0.11
F28	30 Aug 2018	22	16.50	88.66	8.6	33.56	8.2	24.5	0.15
F28	30 Aug 2018	23	16.33	88.55	8.6	33.54	8.2	24.5	0.26
F28	30 Aug 2018	24	16.03	88.52	8.6	33.53	8.2	24.6	0.26
F28	30 Aug 2018	25	15.87	88.52	8.6	33.53	8.2	24.6	0.28
F28	30 Aug 2018	26	15.83	88.50	8.6	33.52	8.2	24.7	0.30
F28	30 Aug 2018	27	15.73	88.48	8.7	33.52	8.2	24.7	0.32
F28	30 Aug 2018	28	15.66	88.38	8.7	33.52	8.2	24.7	0.37
F28	30 Aug 2018	29	15.60	88.32	8.6	33.52	8.2	24.7	0.47
F28	30 Aug 2018	30	15.52	88.26	8.6	33.52	8.2	24.7	0.42
F28	30 Aug 2018	31	15.48	88.24	8.6	33.52	8.2	24.7	0.43
F28	30 Aug 2018	32	15.39	88.16	8.6	33.53	8.2	24.8	0.45
F28	30 Aug 2018	33	15.16	88.09	8.5	33.53	8.2	24.8	0.47
F28	30 Aug 2018	34	15.11	88.01	8.5	33.53	8.2	24.8	0.48
F28	30 Aug 2018	35	14.85	88.05	8.5	33.53	8.2	24.9	0.54
F28	30 Aug 2018	36	14.62	87.61	8.4	33.53	8.2	24.9	0.65
F28	30 Aug 2018	37	14.49	86.99	8.2	33.53	8.1	24.9	0.83
F28	30 Aug 2018	38	14.21	86.41	8.2	33.51	8.1	25.0	1.16
F28	30 Aug 2018	39	14.05	85.43	8.2	33.51	8.1	25.0	1.68
F28	30 Aug 2018	40	13.95	83.97	7.9	33.53	8.1	25.1	2.43
F28	30 Aug 2018	41	13.79	84.94	7.7	33.53	8.1	25.1	2.63
F28	30 Aug 2018	42	13.85	85.93	7.7	33.53	8.1	25.1	2.53
F28	30 Aug 2018	43	13.71	86.45	7.5	33.53	8.1	25.1	2.31
F28	30 Aug 2018	44	13.68	86.84	7.5	33.53	8.1	25.1	2.28
F28	30 Aug 2018	45	13.65	87.00	7.4	33.53	8.1	25.1	1.98
F28	30 Aug 2018	46	13.64	86.96	7.3	33.53	8.1	25.1	1.86
F28	30 Aug 2018	47	13.65	87.00	7.4	33.53	8.1	25.1	1.88
F28	30 Aug 2018	48	13.63	87.06	7.3	33.53	8.1	25.1	1.86
F28	30 Aug 2018	49	13.55	87.14	7.3	33.53	8.1	25.1	1.76
F28	30 Aug 2018	50	13.46	87.58	7.2	33.53	8.1	25.2	1.64
F28	30 Aug 2018	51	13.44	87.88	7.2	33.53	8.1	25.2	1.47
F28	30 Aug 2018	52	13.35	88.26	7.0	33.54	8.0	25.2	1.28
F28	30 Aug 2018	53	13.34	88.39	7.0	33.53	8.0	25.2	1.15
F28	30 Aug 2018	54	13.21	88.80	6.8	33.54	8.0	25.2	1.07
F28	30 Aug 2018	55	13.08	88.97	6.7	33.54	8.0	25.2	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	30 Aug 2018	56	13.05	89.04	6.6	33.54	8.0	25.3	0.79
F28	30 Aug 2018	57	12.90	89.18	6.5	33.54	8.0	25.3	0.69
F28	30 Aug 2018	58	12.90	89.30	6.6	33.54	8.0	25.3	0.62
F28	30 Aug 2018	59	12.84	89.32	6.6	33.54	8.0	25.3	0.55
F28	30 Aug 2018	60	12.79	89.42	6.6	33.54	8.0	25.3	0.54
F28	30 Aug 2018	61	12.71	89.53	6.6	33.54	8.0	25.3	0.49
F28	30 Aug 2018	62	12.66	89.53	6.6	33.54	8.0	25.3	0.46
F28	30 Aug 2018	63	12.59	89.44	6.4	33.53	8.0	25.3	0.45
F28	30 Aug 2018	64	12.49	89.22	6.2	33.54	8.0	25.4	0.40
F28	30 Aug 2018	65	12.43	88.63	6.0	33.53	8.0	25.4	0.31
F28	30 Aug 2018	66	12.26	87.60	5.8	33.51	7.9	25.4	0.23
F28	30 Aug 2018	67	12.12	86.55	5.6	33.49	7.9	25.4	0.17
F28	30 Aug 2018	68	12.05	86.23	5.4	33.48	7.9	25.4	0.11
F28	30 Aug 2018	69	11.92	85.69	5.2	33.47	7.9	25.4	0.07
F28	30 Aug 2018	70	11.86	85.49	5.1	33.47	7.9	25.4	0.04
F28	30 Aug 2018	71	11.85	85.13	5.0	33.47	7.9	25.4	0.04
F28	30 Aug 2018	72	11.76	84.55	4.9	33.46	7.9	25.4	0.03
F28	30 Aug 2018	73	11.67	83.62	4.9	33.44	7.8	25.4	0.02
F28	30 Aug 2018	74	11.68	83.84	4.8	33.44	7.8	25.4	0.01
F28	30 Aug 2018	75	11.62	83.19	4.8	33.44	7.8	25.4	0.00
F28	30 Aug 2018	76	11.58	83.27	4.8	33.44	7.8	25.5	0.00
F28	30 Aug 2018	77	11.60	83.48	4.8	33.45	7.8	25.5	0.00
F28	30 Aug 2018	78	11.67	84.44	4.8	33.47	7.8	25.5	0.01
F28	30 Aug 2018	79	11.68	85.34	4.9	33.48	7.8	25.5	0.04
F28	30 Aug 2018	80	11.72	87.12	5.1	33.53	7.9	25.5	0.05
F28	30 Aug 2018	81	11.73	88.24	5.2	33.56	7.9	25.5	0.07
F28	30 Aug 2018	82	11.68	87.57	5.2	33.55	7.9	25.5	0.06
F28	30 Aug 2018	83	11.60	87.05	5.1	33.54	7.9	25.5	0.07
F28	30 Aug 2018	84	11.58	86.99	5.1	33.53	7.9	25.5	0.04
F28	30 Aug 2018	85	11.51	86.56	5.0	33.53	7.8	25.5	0.02
F28	30 Aug 2018	86	11.47	86.77	5.0	33.54	7.8	25.6	0.04
F28	30 Aug 2018	87	11.49	87.47	5.1	33.55	7.8	25.6	0.03
F28	30 Aug 2018	88	11.51	87.89	5.1	33.56	7.9	25.6	0.03
F28	30 Aug 2018	89	11.42	87.48	5.0	33.56	7.8	25.6	0.02
F28	30 Aug 2018	90	11.38	87.59	5.0	33.56	7.8	25.6	0.01
F28	30 Aug 2018	91	11.33	88.08	5.0	33.59	7.8	25.6	0.00
F28	30 Aug 2018	92	11.19	88.02	4.9	33.61	7.8	25.7	0.00
F28	30 Aug 2018	93	11.12	88.23	4.9	33.62	7.8	25.7	0.00
F28	30 Aug 2018	94	11.11	88.52	4.9	33.63	7.8	25.7	0.00
F28	30 Aug 2018	95	11.00	88.90	4.9	33.65	7.8	25.7	0.00
F28	30 Aug 2018	96	10.90	89.18	4.9	33.66	7.8	25.7	0.00
F28	30 Aug 2018	97	10.87	89.20	4.8	33.66	7.8	25.8	0.00
F28	30 Aug 2018	98	10.82	89.16	4.8	33.67	7.8	25.8	0.00
F28	30 Aug 2018	99	10.71	88.52	4.7	33.69	7.8	25.8	0.00
F28	30 Aug 2018	100	10.71	88.11	4.7	33.68	7.8	25.8	0.03
F29	30 Aug 2018	1	23.19	81.63	8.0	33.81	8.3	23.0	0.63
F29	30 Aug 2018	2	23.23	81.90	8.0	33.82	8.3	23.0	0.62
F29	30 Aug 2018	3	23.19	82.04	8.0	33.82	8.3	23.0	0.65
F29	30 Aug 2018	4	23.15	82.13	8.0	33.82	8.3	23.0	0.68
F29	30 Aug 2018	5	22.95	82.81	8.0	33.82	8.3	23.1	0.73
F29	30 Aug 2018	6	22.50	84.33	8.0	33.79	8.2	23.2	0.62
F29	30 Aug 2018	7	22.48	85.47	8.0	33.77	8.2	23.2	0.52
F29	30 Aug 2018	8	22.02	86.03	7.8	33.77	8.2	23.3	0.49
F29	30 Aug 2018	9	21.03	87.86	7.9	33.76	8.2	23.5	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	30 Aug 2018	10	20.35	87.91	8.2	33.70	8.2	23.7	0.25
F29	30 Aug 2018	11	19.48	88.37	8.4	33.67	8.2	23.9	0.17
F29	30 Aug 2018	12	18.82	88.74	8.5	33.62	8.2	24.0	0.11
F29	30 Aug 2018	13	18.36	88.84	8.6	33.61	8.2	24.1	0.09
F29	30 Aug 2018	14	17.98	88.90	8.6	33.59	8.2	24.2	0.09
F29	30 Aug 2018	15	17.40	88.98	8.7	33.56	8.2	24.3	0.08
F29	30 Aug 2018	16	17.56	88.91	8.6	33.55	8.2	24.3	0.08
F29	30 Aug 2018	17	17.21	88.90	8.6	33.57	8.2	24.4	0.09
F29	30 Aug 2018	18	16.74	88.80	8.6	33.55	8.2	24.5	0.10
F29	30 Aug 2018	19	16.55	88.75	8.7	33.54	8.2	24.5	0.12
F29	30 Aug 2018	20	16.31	88.48	8.7	33.54	8.2	24.6	0.16
F29	30 Aug 2018	21	16.13	88.37	8.7	33.53	8.2	24.6	0.20
F29	30 Aug 2018	22	16.02	88.42	8.6	33.53	8.2	24.6	0.25
F29	30 Aug 2018	23	15.78	88.39	8.6	33.53	8.2	24.7	0.28
F29	30 Aug 2018	24	15.65	88.30	8.6	33.52	8.2	24.7	0.33
F29	30 Aug 2018	25	15.53	88.24	8.6	33.52	8.2	24.7	0.37
F29	30 Aug 2018	26	15.50	88.18	8.6	33.52	8.2	24.7	0.41
F29	30 Aug 2018	27	15.17	88.13	8.5	33.53	8.2	24.8	0.42
F29	30 Aug 2018	28	14.96	87.95	8.5	33.53	8.2	24.8	0.46
F29	30 Aug 2018	29	14.77	87.91	8.4	33.53	8.2	24.9	0.51
F29	30 Aug 2018	30	14.55	87.70	8.3	33.52	8.2	24.9	0.59
F29	30 Aug 2018	31	14.32	87.29	8.2	33.53	8.1	25.0	0.80
F29	30 Aug 2018	32	14.26	86.40	8.1	33.53	8.1	25.0	1.10
F29	30 Aug 2018	33	14.13	85.90	8.1	33.53	8.1	25.0	1.39
F29	30 Aug 2018	34	14.09	85.34	8.0	33.53	8.1	25.0	1.77
F29	30 Aug 2018	35	14.05	84.42	8.0	33.53	8.1	25.0	2.39
F29	30 Aug 2018	36	14.00	82.76	7.9	33.53	8.1	25.1	3.27
F29	30 Aug 2018	37	13.88	83.26	7.8	33.53	8.1	25.1	3.40
F29	30 Aug 2018	38	13.85	84.73	7.7	33.53	8.1	25.1	3.36
F29	30 Aug 2018	39	13.82	85.38	7.6	33.53	8.1	25.1	2.89
F29	30 Aug 2018	40	13.79	85.78	7.5	33.53	8.1	25.1	2.65
F29	30 Aug 2018	41	13.74	86.27	7.5	33.53	8.1	25.1	2.46
F29	30 Aug 2018	42	13.71	86.88	7.4	33.53	8.1	25.1	2.10
F29	30 Aug 2018	43	13.70	87.15	7.4	33.53	8.1	25.1	1.90
F29	30 Aug 2018	44	13.65	87.52	7.3	33.53	8.1	25.1	1.68
F29	30 Aug 2018	45	13.53	88.14	7.2	33.54	8.1	25.2	1.48
F29	30 Aug 2018	46	13.41	88.12	7.1	33.54	8.0	25.2	1.30
F29	30 Aug 2018	47	13.32	88.72	7.0	33.54	8.0	25.2	1.02
F29	30 Aug 2018	48	13.19	88.89	6.8	33.54	8.0	25.2	0.86
F29	30 Aug 2018	49	13.07	89.06	6.7	33.54	8.0	25.2	0.78
F29	30 Aug 2018	50	13.04	89.08	6.6	33.54	8.0	25.3	0.71
F29	30 Aug 2018	51	13.00	89.14	6.6	33.54	8.0	25.3	0.78
F29	30 Aug 2018	52	12.97	89.16	6.5	33.54	8.0	25.3	0.62
F29	30 Aug 2018	53	12.82	89.22	6.3	33.55	8.0	25.3	0.55
F29	30 Aug 2018	54	12.76	89.27	6.3	33.54	8.0	25.3	0.49
F29	30 Aug 2018	55	12.71	89.35	6.3	33.54	8.0	25.3	0.45
F29	30 Aug 2018	56	12.67	89.39	6.3	33.53	8.0	25.3	0.41
F29	30 Aug 2018	57	12.65	89.44	6.4	33.54	8.0	25.3	0.38
F29	30 Aug 2018	58	12.61	89.62	6.6	33.54	8.0	25.3	0.41
F29	30 Aug 2018	59	12.56	89.69	6.5	33.54	8.0	25.3	0.41
F29	30 Aug 2018	60	12.52	89.65	6.4	33.54	8.0	25.4	0.39
F29	30 Aug 2018	61	12.52	89.58	6.4	33.54	8.0	25.4	0.39
F29	30 Aug 2018	62	12.44	89.42	6.2	33.55	8.0	25.4	0.36
F29	30 Aug 2018	63	12.39	89.45	6.0	33.55	8.0	25.4	0.33
F29	30 Aug 2018	64	12.26	89.16	5.9	33.55	7.9	25.4	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	30 Aug 2018	65	12.26	89.03	5.9	33.54	7.9	25.4	0.27
F29	30 Aug 2018	66	12.16	88.66	5.8	33.54	7.9	25.4	0.24
F29	30 Aug 2018	67	12.09	88.87	5.6	33.55	7.9	25.4	0.22
F29	30 Aug 2018	68	11.95	87.77	5.4	33.52	7.9	25.4	0.15
F29	30 Aug 2018	69	11.79	86.70	5.1	33.49	7.9	25.5	0.08
F29	30 Aug 2018	70	11.68	85.86	4.9	33.47	7.8	25.5	0.02
F29	30 Aug 2018	71	11.69	85.90	4.9	33.48	7.8	25.5	0.00
F29	30 Aug 2018	72	11.72	86.04	4.9	33.49	7.8	25.5	0.00
F29	30 Aug 2018	73	11.71	86.07	4.9	33.49	7.8	25.5	0.01
F29	30 Aug 2018	74	11.70	86.09	4.9	33.50	7.8	25.5	0.00
F29	30 Aug 2018	75	11.72	86.76	5.0	33.52	7.9	25.5	0.02
F29	30 Aug 2018	76	11.76	87.36	5.2	33.53	7.9	25.5	0.04
F29	30 Aug 2018	77	11.77	87.91	5.2	33.55	7.9	25.5	0.06
F29	30 Aug 2018	78	11.74	88.23	5.3	33.56	7.9	25.5	0.05
F29	30 Aug 2018	79	11.73	88.80	5.3	33.56	7.9	25.5	0.08
F29	30 Aug 2018	80	11.74	88.98	5.4	33.57	7.9	25.5	0.09
F29	30 Aug 2018	81	11.73	89.26	5.5	33.58	7.9	25.5	0.09
F29	30 Aug 2018	82	11.67	89.61	5.6	33.58	7.9	25.5	0.14
F29	30 Aug 2018	83	11.64	89.73	5.6	33.59	7.9	25.6	0.13
F29	30 Aug 2018	84	11.56	89.53	5.4	33.60	7.9	25.6	0.09
F29	30 Aug 2018	85	11.49	89.41	5.4	33.60	7.9	25.6	0.09
F29	30 Aug 2018	86	11.41	89.51	5.3	33.60	7.9	25.6	0.06
F29	30 Aug 2018	87	11.36	89.61	5.3	33.61	7.9	25.6	0.05
F29	30 Aug 2018	88	11.33	89.67	5.3	33.61	7.9	25.6	0.04
F29	30 Aug 2018	89	11.28	89.66	5.2	33.61	7.9	25.6	0.03
F29	30 Aug 2018	90	11.23	89.64	5.2	33.62	7.8	25.7	0.01
F29	30 Aug 2018	91	11.20	89.63	5.2	33.62	7.8	25.7	0.01
F29	30 Aug 2018	92	11.18	89.64	5.1	33.62	7.8	25.7	0.00
F29	30 Aug 2018	93	11.07	89.58	5.0	33.64	7.8	25.7	0.01
F29	30 Aug 2018	94	11.00	89.32	4.8	33.65	7.8	25.7	0.01
F29	30 Aug 2018	95	10.93	89.32	4.8	33.66	7.8	25.7	0.01
F29	30 Aug 2018	96	10.80	89.33	4.7	33.67	7.8	25.8	0.01
F29	30 Aug 2018	97	10.75	88.79	4.7	33.68	7.8	25.8	0.01
F29	30 Aug 2018	98	10.66	88.29	4.6	33.70	7.8	25.8	0.01
F29	30 Aug 2018	99	10.58	86.41	4.5	33.71	7.8	25.8	0.01
F29	30 Aug 2018	100	10.59	86.22	4.5	33.71	7.8	25.8	0.00
F30	30 Aug 2018	1	23.17	78.13	8.0	33.81	8.3	23.0	0.50
F30	30 Aug 2018	2	23.17	78.73	8.0	33.82	8.3	23.0	0.46
F30	30 Aug 2018	3	23.06	81.81	8.0	33.82	8.3	23.0	0.53
F30	30 Aug 2018	4	22.71	82.24	8.1	33.80	8.3	23.1	0.52
F30	30 Aug 2018	5	22.54	83.95	8.1	33.78	8.2	23.1	0.52
F30	30 Aug 2018	6	22.04	85.43	8.0	33.78	8.2	23.3	0.46
F30	30 Aug 2018	7	21.58	86.85	7.8	33.75	8.2	23.4	0.38
F30	30 Aug 2018	8	20.02	87.93	8.2	33.74	8.2	23.8	0.23
F30	30 Aug 2018	9	19.36	88.70	8.4	33.65	8.2	23.9	0.15
F30	30 Aug 2018	10	18.31	88.89	8.6	33.63	8.2	24.1	0.09
F30	30 Aug 2018	11	17.93	88.89	8.7	33.59	8.2	24.2	0.07
F30	30 Aug 2018	12	17.60	88.94	8.7	33.58	8.2	24.3	0.08
F30	30 Aug 2018	13	17.19	88.85	8.7	33.57	8.2	24.4	0.08
F30	30 Aug 2018	14	16.94	88.72	8.7	33.55	8.2	24.4	0.10
F30	30 Aug 2018	15	16.63	88.54	8.7	33.55	8.2	24.5	0.13
F30	30 Aug 2018	16	16.50	88.48	8.7	33.54	8.2	24.5	0.16
F30	30 Aug 2018	17	16.33	88.28	8.7	33.54	8.2	24.5	0.22
F30	30 Aug 2018	18	16.25	88.08	8.7	33.54	8.2	24.6	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	30 Aug 2018	19	15.92	88.11	8.7	33.54	8.2	24.6	0.29
F30	30 Aug 2018	20	15.90	88.18	8.6	33.53	8.2	24.6	0.32
F30	30 Aug 2018	21	15.56	88.17	8.6	33.53	8.2	24.7	0.36
F30	30 Aug 2018	22	15.38	88.04	8.6	33.52	8.2	24.7	0.43
F30	30 Aug 2018	23	15.25	87.98	8.5	33.53	8.2	24.8	0.48
F30	30 Aug 2018	24	14.74	87.79	8.4	33.53	8.2	24.9	0.52
F30	30 Aug 2018	25	14.54	87.48	8.4	33.53	8.2	24.9	0.62
F30	30 Aug 2018	26	14.43	86.95	8.2	33.53	8.1	25.0	0.77
F30	30 Aug 2018	27	14.18	86.25	8.1	33.53	8.1	25.0	1.14
F30	30 Aug 2018	28	14.15	85.54	8.1	33.53	8.1	25.0	1.55
F30	30 Aug 2018	29	14.09	85.03	8.0	33.53	8.1	25.0	1.83
F30	30 Aug 2018	30	13.98	84.65	7.9	33.53	8.1	25.1	2.32
F30	30 Aug 2018	31	13.94	84.74	7.8	33.53	8.1	25.1	2.69
F30	30 Aug 2018	32	13.81	85.27	7.7	33.54	8.1	25.1	2.69
F30	30 Aug 2018	33	13.71	86.04	7.5	33.54	8.1	25.1	2.43
F30	30 Aug 2018	34	13.64	86.65	7.4	33.54	8.1	25.1	2.21
F30	30 Aug 2018	35	13.58	87.31	7.4	33.54	8.1	25.1	1.94
F30	30 Aug 2018	36	13.56	87.62	7.3	33.54	8.1	25.1	1.69
F30	30 Aug 2018	37	13.55	87.70	7.3	33.54	8.1	25.1	1.64
F30	30 Aug 2018	38	13.55	87.79	7.3	33.54	8.1	25.1	1.53
F30	30 Aug 2018	39	13.53	87.92	7.2	33.54	8.1	25.2	1.49
F30	30 Aug 2018	40	13.44	88.37	7.1	33.54	8.1	25.2	1.27
F30	30 Aug 2018	41	13.35	88.72	7.0	33.54	8.0	25.2	1.06
F30	30 Aug 2018	42	13.30	89.01	7.0	33.54	8.0	25.2	0.88
F30	30 Aug 2018	43	13.24	89.05	6.9	33.54	8.0	25.2	0.80
F30	30 Aug 2018	44	13.12	89.09	6.8	33.54	8.0	25.2	0.74
F30	30 Aug 2018	45	13.14	89.07	6.8	33.54	8.0	25.2	0.68
F30	30 Aug 2018	46	12.99	89.12	6.6	33.55	8.0	25.3	0.59
F30	30 Aug 2018	47	12.94	89.19	6.5	33.55	8.0	25.3	0.53
F30	30 Aug 2018	48	12.83	89.28	6.4	33.55	8.0	25.3	0.48
F30	30 Aug 2018	49	12.79	89.29	6.3	33.55	8.0	25.3	0.46
F30	30 Aug 2018	50	12.79	89.29	6.3	33.55	8.0	25.3	0.44
F30	30 Aug 2018	51	12.74	89.28	6.3	33.55	8.0	25.3	0.45
F30	30 Aug 2018	52	12.70	89.32	6.2	33.55	8.0	25.3	0.41
F30	30 Aug 2018	53	12.64	89.37	6.1	33.55	8.0	25.3	0.46
F30	30 Aug 2018	54	12.62	89.39	6.1	33.55	8.0	25.3	0.41
F30	30 Aug 2018	55	12.60	89.37	6.0	33.55	8.0	25.3	0.38
F30	30 Aug 2018	56	12.59	89.38	6.0	33.55	8.0	25.4	0.36
F30	30 Aug 2018	57	12.57	89.41	6.0	33.55	7.9	25.4	0.33
F30	30 Aug 2018	58	12.51	89.40	5.9	33.55	7.9	25.4	0.28
F30	30 Aug 2018	59	12.40	89.42	5.8	33.55	7.9	25.4	0.20
F30	30 Aug 2018	60	12.20	89.33	5.6	33.54	7.9	25.4	0.12
F30	30 Aug 2018	61	12.23	89.22	5.5	33.53	7.9	25.4	0.13
F30	30 Aug 2018	62	12.12	89.01	5.4	33.53	7.9	25.4	0.04
F30	30 Aug 2018	63	12.09	88.83	5.4	33.54	7.9	25.4	0.03
F30	30 Aug 2018	64	12.02	89.45	5.6	33.56	7.9	25.5	0.07
F30	30 Aug 2018	65	12.00	89.55	5.6	33.55	7.9	25.5	0.09
F30	30 Aug 2018	66	11.88	89.09	5.4	33.54	7.9	25.5	0.06
F30	30 Aug 2018	67	11.87	89.26	5.3	33.55	7.9	25.5	0.02
F30	30 Aug 2018	68	11.85	89.25	5.3	33.55	7.9	25.5	0.03
F30	30 Aug 2018	69	11.85	89.20	5.3	33.56	7.9	25.5	0.01
F30	30 Aug 2018	70	11.82	89.17	5.4	33.56	7.9	25.5	0.01
F30	30 Aug 2018	71	11.81	89.18	5.4	33.56	7.9	25.5	0.02
F30	30 Aug 2018	72	11.79	89.15	5.4	33.57	7.9	25.5	0.05
F30	30 Aug 2018	73	11.77	89.47	5.5	33.58	7.9	25.5	0.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	30 Aug 2018	74	11.77	89.54	5.6	33.58	7.9	25.5	0.12
F30	30 Aug 2018	75	11.76	89.52	5.6	33.58	7.9	25.5	0.16
F30	30 Aug 2018	76	11.70	89.73	5.6	33.58	7.9	25.5	0.14
F30	30 Aug 2018	77	11.67	89.84	5.6	33.59	7.9	25.6	0.14
F30	30 Aug 2018	78	11.66	89.77	5.6	33.59	7.9	25.6	0.14
F30	30 Aug 2018	79	11.65	89.70	5.5	33.59	7.9	25.6	0.14
F30	30 Aug 2018	80	11.61	89.50	5.4	33.59	7.9	25.6	0.08
F30	30 Aug 2018	81	11.56	89.12	5.2	33.60	7.9	25.6	0.04
F30	30 Aug 2018	82	11.54	88.96	5.1	33.60	7.8	25.6	0.02
F30	30 Aug 2018	83	11.49	89.04	5.1	33.61	7.8	25.6	0.01
F30	30 Aug 2018	84	11.46	89.20	5.1	33.61	7.8	25.6	0.01
F30	30 Aug 2018	85	11.44	89.25	5.1	33.61	7.8	25.6	0.00
F30	30 Aug 2018	86	11.42	89.35	5.1	33.61	7.8	25.6	-0.01
F30	30 Aug 2018	87	11.39	89.34	5.1	33.61	7.8	25.6	0.01
F30	30 Aug 2018	88	11.33	89.35	5.0	33.62	7.8	25.6	0.01
F30	30 Aug 2018	89	11.28	89.51	5.0	33.62	7.8	25.7	0.00
F30	30 Aug 2018	90	11.24	89.56	5.0	33.62	7.8	25.7	0.00
F30	30 Aug 2018	91	11.18	89.62	5.0	33.63	7.8	25.7	-0.01
F30	30 Aug 2018	92	11.12	89.60	4.9	33.63	7.8	25.7	-0.02
F30	30 Aug 2018	93	11.05	89.57	4.9	33.64	7.8	25.7	-0.03
F30	30 Aug 2018	94	10.94	89.55	4.8	33.66	7.8	25.7	-0.03
F30	30 Aug 2018	95	10.82	89.58	4.7	33.67	7.8	25.8	-0.03
F30	30 Aug 2018	96	10.69	89.52	4.7	33.69	7.8	25.8	-0.04
F30	30 Aug 2018	97	10.56	89.13	4.6	33.71	7.8	25.8	-0.05
F30	30 Aug 2018	98	10.55	88.44	4.6	33.71	7.8	25.8	-0.05
F31	30 Aug 2018	1	23.15	78.43	8.1	33.81	8.3	23.0	0.51
F31	30 Aug 2018	2	23.12	81.30	8.1	33.81	8.3	23.0	0.53
F31	30 Aug 2018	3	23.04	82.23	8.1	33.81	8.3	23.0	0.59
F31	30 Aug 2018	4	22.86	82.72	8.1	33.81	8.3	23.1	0.58
F31	30 Aug 2018	5	22.44	84.03	8.1	33.78	8.2	23.2	0.59
F31	30 Aug 2018	6	22.25	85.16	8.1	33.76	8.2	23.2	0.51
F31	30 Aug 2018	7	21.79	86.07	8.0	33.75	8.2	23.3	0.41
F31	30 Aug 2018	8	21.54	87.24	8.0	33.72	8.2	23.4	0.28
F31	30 Aug 2018	9	20.74	87.96	8.0	33.71	8.2	23.6	0.22
F31	30 Aug 2018	10	19.21	88.66	8.3	33.66	8.2	23.9	0.14
F31	30 Aug 2018	11	19.05	88.61	8.5	33.60	8.2	23.9	0.12
F31	30 Aug 2018	12	18.13	88.97	8.6	33.60	8.2	24.2	0.09
F31	30 Aug 2018	13	17.86	88.99	8.7	33.57	8.2	24.2	0.10
F31	30 Aug 2018	14	17.57	88.97	8.7	33.56	8.2	24.3	0.10
F31	30 Aug 2018	15	17.32	88.95	8.7	33.56	8.2	24.3	0.10
F31	30 Aug 2018	16	16.89	88.71	8.7	33.55	8.2	24.4	0.12
F31	30 Aug 2018	17	16.63	88.39	8.7	33.54	8.2	24.5	0.18
F31	30 Aug 2018	18	16.30	88.00	8.7	33.54	8.2	24.6	0.30
F31	30 Aug 2018	19	16.14	87.76	8.7	33.53	8.2	24.6	0.46
F31	30 Aug 2018	20	16.06	87.66	8.7	33.53	8.2	24.6	0.56
F31	30 Aug 2018	21	15.95	87.77	8.6	33.53	8.2	24.6	0.55
F31	30 Aug 2018	22	15.66	87.80	8.6	33.53	8.2	24.7	0.52
F31	30 Aug 2018	23	15.38	87.89	8.6	33.52	8.2	24.8	0.57
F31	30 Aug 2018	24	15.29	87.90	8.6	33.52	8.2	24.8	0.58
F31	30 Aug 2018	25	15.01	87.84	8.5	33.52	8.2	24.8	0.63
F31	30 Aug 2018	26	14.68	87.70	8.4	33.53	8.1	24.9	0.65
F31	30 Aug 2018	27	14.48	87.44	8.3	33.52	8.1	24.9	0.75
F31	30 Aug 2018	28	14.24	86.85	8.1	33.52	8.1	25.0	0.99
F31	30 Aug 2018	29	14.05	85.76	8.0	33.52	8.1	25.0	1.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	30 Aug 2018	30	14.10	85.63	7.9	33.53	8.1	25.0	1.72
F31	30 Aug 2018	31	13.87	85.56	7.7	33.53	8.1	25.1	2.03
F31	30 Aug 2018	32	13.73	86.26	7.7	33.53	8.1	25.1	2.10
F31	30 Aug 2018	33	13.70	86.71	7.6	33.53	8.1	25.1	2.06
F31	30 Aug 2018	34	13.64	86.99	7.4	33.53	8.1	25.1	2.06
F31	30 Aug 2018	35	13.58	87.41	7.3	33.54	8.1	25.1	1.79
F31	30 Aug 2018	36	13.56	87.78	7.3	33.54	8.1	25.1	1.70
F31	30 Aug 2018	37	13.53	87.84	7.2	33.54	8.1	25.2	1.62
F31	30 Aug 2018	38	13.50	87.95	7.2	33.54	8.1	25.2	1.54
F31	30 Aug 2018	39	13.50	87.95	7.2	33.54	8.0	25.2	1.54
F31	30 Aug 2018	40	13.47	88.04	7.2	33.54	8.0	25.2	1.38
F31	30 Aug 2018	41	13.43	88.28	7.1	33.54	8.0	25.2	1.31
F31	30 Aug 2018	42	13.41	88.48	7.1	33.54	8.0	25.2	1.24
F31	30 Aug 2018	43	13.35	88.78	7.0	33.54	8.0	25.2	1.06
F31	30 Aug 2018	44	13.30	88.95	6.9	33.54	8.0	25.2	0.94
F31	30 Aug 2018	45	13.21	88.98	6.8	33.54	8.0	25.2	0.77
F31	30 Aug 2018	46	13.09	89.21	6.7	33.54	8.0	25.2	0.65
F31	30 Aug 2018	47	13.04	89.30	6.6	33.54	8.0	25.3	0.61
F31	30 Aug 2018	48	12.98	89.33	6.5	33.54	8.0	25.3	0.55
F31	30 Aug 2018	49	12.91	89.31	6.4	33.54	8.0	25.3	0.54
F31	30 Aug 2018	50	12.89	89.30	6.4	33.54	8.0	25.3	0.50
F31	30 Aug 2018	51	12.85	89.30	6.4	33.54	8.0	25.3	0.46
F31	30 Aug 2018	52	12.79	89.29	6.3	33.55	8.0	25.3	0.44
F31	30 Aug 2018	53	12.71	89.21	6.2	33.55	8.0	25.3	0.38
F31	30 Aug 2018	54	12.69	89.12	6.1	33.55	8.0	25.3	0.32
F31	30 Aug 2018	55	12.54	88.55	5.9	33.55	7.9	25.4	0.22
F31	30 Aug 2018	56	12.46	87.98	5.7	33.54	7.9	25.4	0.12
F31	30 Aug 2018	57	12.40	88.24	5.6	33.54	7.9	25.4	0.09
F31	30 Aug 2018	58	12.37	88.79	5.6	33.54	7.9	25.4	0.10
F31	30 Aug 2018	59	12.32	88.89	5.6	33.55	7.9	25.4	0.10
F31	30 Aug 2018	60	12.19	89.29	5.6	33.55	7.9	25.4	0.06
F31	30 Aug 2018	61	12.09	89.31	5.5	33.54	7.9	25.4	0.03
F31	30 Aug 2018	62	12.02	89.32	5.4	33.53	7.9	25.4	0.00
F31	30 Aug 2018	63	12.01	89.32	5.3	33.53	7.9	25.4	0.00
F31	30 Aug 2018	64	11.99	89.29	5.3	33.53	7.9	25.4	0.00
F31	30 Aug 2018	65	11.99	89.27	5.3	33.53	7.9	25.4	0.00
F31	30 Aug 2018	66	11.99	89.26	5.3	33.53	7.9	25.4	0.00
F31	30 Aug 2018	67	11.98	89.25	5.3	33.53	7.9	25.5	0.00
F31	30 Aug 2018	68	11.97	89.22	5.3	33.53	7.9	25.5	0.00
F31	30 Aug 2018	69	11.97	89.16	5.2	33.53	7.9	25.5	0.00
F31	30 Aug 2018	70	11.94	89.05	5.2	33.54	7.9	25.5	0.00
F31	30 Aug 2018	71	11.92	88.86	5.2	33.55	7.9	25.5	0.00
F31	30 Aug 2018	72	11.92	88.80	5.3	33.56	7.9	25.5	0.00
F31	30 Aug 2018	73	11.89	89.38	5.5	33.57	7.9	25.5	0.00
F31	30 Aug 2018	74	11.86	89.52	5.5	33.57	7.9	25.5	0.02
F31	30 Aug 2018	75	11.78	89.49	5.4	33.57	7.9	25.5	0.00
F31	30 Aug 2018	76	11.76	89.52	5.4	33.57	7.9	25.5	0.00
F31	30 Aug 2018	77	11.74	89.45	5.3	33.58	7.9	25.5	0.00
F31	30 Aug 2018	78	11.71	89.37	5.3	33.58	7.9	25.5	0.01
F31	30 Aug 2018	79	11.69	89.23	5.2	33.58	7.9	25.5	0.00
F31	30 Aug 2018	80	11.68	89.18	5.2	33.58	7.9	25.5	0.00
F31	30 Aug 2018	81	11.61	89.16	5.2	33.59	7.9	25.6	0.00
F31	30 Aug 2018	82	11.53	89.19	5.2	33.60	7.8	25.6	0.00
F31	30 Aug 2018	83	11.47	89.13	5.1	33.61	7.8	25.6	0.00
F31	30 Aug 2018	84	11.40	88.97	5.1	33.61	7.8	25.6	0.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	30 Aug 2018	85	11.34	88.88	5.0	33.62	7.8	25.6	0.00
F31	30 Aug 2018	86	11.30	88.83	5.0	33.62	7.8	25.6	0.00
F31	30 Aug 2018	87	11.24	88.85	4.9	33.63	7.8	25.7	0.00
F31	30 Aug 2018	88	11.20	88.87	4.9	33.63	7.8	25.7	0.00
F31	30 Aug 2018	89	11.15	88.93	4.9	33.64	7.8	25.7	0.00
F31	30 Aug 2018	90	11.06	88.88	4.8	33.65	7.8	25.7	0.00
F31	30 Aug 2018	91	10.99	88.94	4.8	33.66	7.8	25.7	0.00
F31	30 Aug 2018	92	10.93	89.04	4.8	33.66	7.8	25.7	0.00
F31	30 Aug 2018	93	10.86	88.77	4.7	33.67	7.8	25.8	0.00
F31	30 Aug 2018	94	10.76	88.76	4.7	33.68	7.8	25.8	0.00
F31	30 Aug 2018	95	10.72	88.89	4.6	33.68	7.8	25.8	0.00
F31	30 Aug 2018	96	10.63	89.33	4.6	33.70	7.8	25.8	0.00
F31	30 Aug 2018	97	10.59	89.28	4.6	33.70	7.8	25.8	0.00
F31	30 Aug 2018	98	10.50	89.00	4.5	33.72	7.8	25.9	0.00
F31	30 Aug 2018	99	10.47	88.29	4.4	33.73	7.8	25.9	0.00
F32	30 Aug 2018	1	23.19	79.28	8.0	33.82	8.3	23.0	0.51
F32	30 Aug 2018	2	23.19	81.37	8.0	33.81	8.3	23.0	0.56
F32	30 Aug 2018	3	23.16	82.25	8.0	33.82	8.3	23.0	0.57
F32	30 Aug 2018	4	23.04	82.13	8.1	33.81	8.3	23.0	0.60
F32	30 Aug 2018	5	22.79	83.51	8.1	33.80	8.2	23.1	0.68
F32	30 Aug 2018	6	22.54	85.01	8.0	33.78	8.2	23.1	0.61
F32	30 Aug 2018	7	21.83	85.86	8.0	33.74	8.2	23.3	0.42
F32	30 Aug 2018	8	21.33	87.28	8.0	33.70	8.2	23.4	0.33
F32	30 Aug 2018	9	21.15	88.04	7.9	33.70	8.2	23.5	0.27
F32	30 Aug 2018	10	19.23	88.56	8.4	33.65	8.2	23.9	0.21
F32	30 Aug 2018	11	18.74	88.90	8.5	33.59	8.2	24.0	0.14
F32	30 Aug 2018	12	17.89	89.01	8.6	33.57	8.2	24.2	0.12
F32	30 Aug 2018	13	17.57	89.02	8.7	33.55	8.2	24.3	0.12
F32	30 Aug 2018	14	17.37	89.00	8.7	33.55	8.2	24.3	0.12
F32	30 Aug 2018	15	17.18	88.96	8.7	33.55	8.2	24.4	0.12
F32	30 Aug 2018	16	17.03	88.86	8.7	33.55	8.2	24.4	0.16
F32	30 Aug 2018	17	16.63	88.61	8.7	33.54	8.2	24.5	0.26
F32	30 Aug 2018	18	16.38	88.25	8.7	33.54	8.2	24.5	0.35
F32	30 Aug 2018	19	16.28	87.92	8.7	33.54	8.2	24.6	0.46
F32	30 Aug 2018	20	16.10	87.74	8.7	33.53	8.2	24.6	0.54
F32	30 Aug 2018	21	15.91	87.65	8.6	33.53	8.2	24.6	0.64
F32	30 Aug 2018	22	15.74	87.58	8.6	33.53	8.2	24.7	0.69
F32	30 Aug 2018	23	15.48	87.70	8.6	33.52	8.2	24.7	0.68
F32	30 Aug 2018	24	15.41	87.71	8.6	33.52	8.2	24.7	0.65
F32	30 Aug 2018	25	15.31	87.65	8.5	33.52	8.2	24.8	0.67
F32	30 Aug 2018	26	15.05	87.68	8.4	33.52	8.2	24.8	0.69
F32	30 Aug 2018	27	14.53	87.42	8.3	33.53	8.1	24.9	0.80
F32	30 Aug 2018	28	14.65	86.88	8.3	33.52	8.1	24.9	0.89
F32	30 Aug 2018	29	14.26	85.85	8.0	33.53	8.1	25.0	1.35
F32	30 Aug 2018	30	14.10	85.09	8.0	33.52	8.1	25.0	1.98
F32	30 Aug 2018	31	13.96	84.76	8.0	33.51	8.1	25.0	2.40
F32	30 Aug 2018	32	13.96	85.06	8.0	33.51	8.1	25.0	2.51
F32	30 Aug 2018	33	13.84	86.03	8.0	33.51	8.1	25.1	2.28
F32	30 Aug 2018	34	13.66	86.80	7.6	33.52	8.1	25.1	2.04
F32	30 Aug 2018	35	13.49	88.05	7.3	33.54	8.1	25.2	1.66
F32	30 Aug 2018	36	13.42	88.60	7.2	33.54	8.0	25.2	1.28
F32	30 Aug 2018	37	13.37	88.73	7.1	33.54	8.0	25.2	1.14
F32	30 Aug 2018	38	13.30	88.82	7.0	33.54	8.0	25.2	0.99
F32	30 Aug 2018	39	13.28	88.93	7.0	33.54	8.0	25.2	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	30 Aug 2018	40	13.22	89.07	6.9	33.54	8.0	25.2	0.82
F32	30 Aug 2018	41	13.17	89.11	6.8	33.54	8.0	25.2	0.73
F32	30 Aug 2018	42	13.14	89.10	6.8	33.54	8.0	25.2	0.77
F32	30 Aug 2018	43	13.09	89.07	6.7	33.54	8.0	25.2	0.73
F32	30 Aug 2018	44	12.99	89.01	6.5	33.54	8.0	25.3	0.75
F32	30 Aug 2018	45	12.94	89.11	6.5	33.54	8.0	25.3	0.69
F32	30 Aug 2018	46	12.93	89.12	6.4	33.54	8.0	25.3	0.68
F32	30 Aug 2018	47	12.91	89.19	6.4	33.54	8.0	25.3	0.65
F32	30 Aug 2018	48	12.88	89.24	6.3	33.54	8.0	25.3	0.57
F32	30 Aug 2018	49	12.87	89.24	6.3	33.54	8.0	25.3	0.54
F32	30 Aug 2018	50	12.84	89.27	6.3	33.54	8.0	25.3	0.57
F32	30 Aug 2018	51	12.82	89.30	6.3	33.54	8.0	25.3	0.53
F32	30 Aug 2018	52	12.80	89.31	6.2	33.54	8.0	25.3	0.47
F32	30 Aug 2018	53	12.67	89.37	6.1	33.55	8.0	25.3	0.39
F32	30 Aug 2018	54	12.50	89.43	6.0	33.54	7.9	25.4	0.29
F32	30 Aug 2018	55	12.48	89.43	5.9	33.54	7.9	25.4	0.23
F32	30 Aug 2018	56	12.46	89.45	5.8	33.54	7.9	25.4	0.22
F32	30 Aug 2018	57	12.44	89.46	5.8	33.54	7.9	25.4	0.23
F32	30 Aug 2018	58	12.37	89.50	5.8	33.55	7.9	25.4	0.22
F32	30 Aug 2018	59	12.36	89.45	5.8	33.55	7.9	25.4	0.19
F32	30 Aug 2018	60	12.35	89.51	5.7	33.55	7.9	25.4	0.17
F32	30 Aug 2018	61	12.32	89.52	5.7	33.54	7.9	25.4	0.17
F32	30 Aug 2018	62	12.28	89.50	5.6	33.54	7.9	25.4	0.15
F32	30 Aug 2018	63	12.24	89.45	5.6	33.54	7.9	25.4	0.12
F32	30 Aug 2018	64	12.24	89.47	5.6	33.53	7.9	25.4	0.12
F32	30 Aug 2018	65	12.19	89.55	5.5	33.55	7.9	25.4	0.11
F32	30 Aug 2018	66	12.16	89.57	5.6	33.55	7.9	25.4	0.11
F32	30 Aug 2018	67	12.14	89.55	5.6	33.56	7.9	25.4	0.09
F32	30 Aug 2018	68	12.14	89.54	5.6	33.56	7.9	25.4	0.10
F32	30 Aug 2018	69	12.12	89.35	5.6	33.56	7.9	25.5	0.10
F32	30 Aug 2018	70	12.08	89.00	5.5	33.56	7.9	25.5	0.07
F32	30 Aug 2018	71	11.98	88.96	5.4	33.56	7.9	25.5	0.04
F32	30 Aug 2018	72	11.89	88.89	5.3	33.56	7.9	25.5	0.00
F32	30 Aug 2018	73	11.88	88.61	5.2	33.56	7.9	25.5	-0.02
F32	30 Aug 2018	74	11.89	88.47	5.2	33.56	7.9	25.5	-0.02
F32	30 Aug 2018	75	11.88	88.37	5.2	33.57	7.9	25.5	-0.01
F32	30 Aug 2018	76	11.80	87.93	5.2	33.58	7.8	25.5	0.00
F32	30 Aug 2018	77	11.76	87.97	5.2	33.58	7.8	25.5	-0.01
F32	30 Aug 2018	78	11.73	88.26	5.2	33.58	7.8	25.5	0.00
F32	30 Aug 2018	79	11.73	88.39	5.2	33.58	7.8	25.5	0.01
F32	30 Aug 2018	80	11.72	88.48	5.3	33.58	7.9	25.5	0.01
F32	30 Aug 2018	81	11.72	88.63	5.3	33.58	7.9	25.5	0.00
F32	30 Aug 2018	82	11.71	88.69	5.3	33.58	7.9	25.5	0.00
F32	30 Aug 2018	83	11.70	88.74	5.3	33.58	7.9	25.5	-0.01
F32	30 Aug 2018	84	11.67	88.79	5.3	33.58	7.8	25.6	0.00
F32	30 Aug 2018	85	11.63	88.90	5.2	33.59	7.8	25.6	0.00
F32	30 Aug 2018	86	11.53	89.09	5.2	33.60	7.8	25.6	0.00
F32	30 Aug 2018	87	11.49	88.79	5.1	33.60	7.8	25.6	0.00
F32	30 Aug 2018	88	11.44	88.65	5.0	33.61	7.8	25.6	-0.01
F32	30 Aug 2018	89	11.36	88.61	5.0	33.62	7.8	25.6	-0.02
F32	30 Aug 2018	90	11.31	88.64	5.0	33.62	7.8	25.6	-0.02
F32	30 Aug 2018	91	11.18	88.60	4.9	33.63	7.8	25.7	-0.03
F32	30 Aug 2018	92	11.08	88.48	4.8	33.65	7.8	25.7	-0.04
F32	30 Aug 2018	93	10.94	87.98	4.7	33.66	7.8	25.7	-0.04
F32	30 Aug 2018	94	10.86	88.17	4.7	33.67	7.8	25.8	-0.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	30 Aug 2018	95	10.78	88.35	4.6	33.68	7.8	25.8	-0.06
F32	30 Aug 2018	96	10.75	88.57	4.6	33.68	7.8	25.8	-0.05
F32	30 Aug 2018	97	10.72	88.99	4.6	33.69	7.8	25.8	-0.06
F32	30 Aug 2018	98	10.66	89.13	4.6	33.69	7.8	25.8	-0.08
F32	30 Aug 2018	99	10.59	89.10	4.5	33.71	7.8	25.8	-0.09
F32	30 Aug 2018	100	10.56	89.05	4.5	33.71	7.8	25.8	-0.04
F32	30 Aug 2018	101	10.50	88.66	4.4	33.73	7.8	25.9	-0.07
F33	30 Aug 2018	1	23.19	81.68	8.1	33.82	8.3	23.0	0.55
F33	30 Aug 2018	2	23.18	82.21	8.1	33.82	8.3	23.0	0.60
F33	30 Aug 2018	3	23.18	82.63	8.1	33.82	8.3	23.0	0.66
F33	30 Aug 2018	4	23.11	83.04	8.1	33.82	8.3	23.0	0.65
F33	30 Aug 2018	5	22.89	83.83	8.0	33.80	8.2	23.1	0.62
F33	30 Aug 2018	6	22.45	84.67	8.0	33.78	8.2	23.2	0.58
F33	30 Aug 2018	7	21.76	87.00	8.0	33.73	8.2	23.3	0.45
F33	30 Aug 2018	8	20.94	87.70	8.0	33.70	8.2	23.5	0.31
F33	30 Aug 2018	9	19.58	88.68	8.3	33.65	8.2	23.8	0.20
F33	30 Aug 2018	10	19.08	88.99	8.5	33.61	8.2	23.9	0.14
F33	30 Aug 2018	11	18.10	89.06	8.6	33.59	8.2	24.2	0.11
F33	30 Aug 2018	12	17.51	89.03	8.8	33.56	8.2	24.3	0.10
F33	30 Aug 2018	13	17.60	89.03	8.7	33.55	8.2	24.3	0.09
F33	30 Aug 2018	14	17.28	89.02	8.7	33.55	8.2	24.3	0.11
F33	30 Aug 2018	15	17.17	88.98	8.7	33.55	8.2	24.4	0.12
F33	30 Aug 2018	16	16.95	88.91	8.6	33.55	8.2	24.4	0.13
F33	30 Aug 2018	17	16.67	88.74	8.6	33.55	8.2	24.5	0.20
F33	30 Aug 2018	18	16.30	88.20	8.6	33.54	8.2	24.6	0.35
F33	30 Aug 2018	19	16.23	87.82	8.7	33.54	8.2	24.6	0.47
F33	30 Aug 2018	20	16.00	87.64	8.6	33.54	8.2	24.6	0.58
F33	30 Aug 2018	21	15.86	87.53	8.6	33.53	8.2	24.7	0.67
F33	30 Aug 2018	22	15.72	87.48	8.6	33.53	8.2	24.7	0.71
F33	30 Aug 2018	23	15.58	87.57	8.6	33.53	8.2	24.7	0.73
F33	30 Aug 2018	24	15.62	87.65	8.6	33.53	8.2	24.7	0.74
F33	30 Aug 2018	25	15.40	87.71	8.6	33.53	8.2	24.7	0.69
F33	30 Aug 2018	26	15.31	87.73	8.6	33.52	8.2	24.8	0.69
F33	30 Aug 2018	27	15.01	87.65	8.5	33.52	8.2	24.8	0.75
F33	30 Aug 2018	28	14.71	87.58	8.4	33.52	8.1	24.9	0.77
F33	30 Aug 2018	29	14.55	87.24	8.3	33.52	8.1	24.9	0.82
F33	30 Aug 2018	30	14.35	87.02	8.2	33.52	8.1	25.0	1.00
F33	30 Aug 2018	31	14.28	86.68	8.2	33.52	8.1	25.0	1.19
F33	30 Aug 2018	32	14.22	86.20	8.1	33.52	8.1	25.0	1.46
F33	30 Aug 2018	33	14.06	85.04	8.0	33.52	8.1	25.0	2.13
F33	30 Aug 2018	34	13.92	84.75	7.9	33.52	8.1	25.1	2.46
F33	30 Aug 2018	35	13.82	85.44	7.8	33.52	8.1	25.1	2.60
F33	30 Aug 2018	36	13.63	86.87	7.7	33.51	8.1	25.1	2.10
F33	30 Aug 2018	37	13.50	87.93	7.6	33.51	8.1	25.1	1.73
F33	30 Aug 2018	38	13.46	88.22	7.5	33.52	8.1	25.1	1.47
F33	30 Aug 2018	39	13.46	88.32	7.4	33.52	8.1	25.2	1.35
F33	30 Aug 2018	40	13.42	88.38	7.2	33.53	8.1	25.2	1.26
F33	30 Aug 2018	41	13.34	88.58	7.1	33.53	8.0	25.2	1.17
F33	30 Aug 2018	42	13.29	88.73	6.9	33.54	8.0	25.2	1.08
F33	30 Aug 2018	43	13.24	88.87	6.9	33.54	8.0	25.2	0.98
F33	30 Aug 2018	44	13.14	89.03	6.8	33.54	8.0	25.2	0.88
F33	30 Aug 2018	45	13.10	89.08	6.7	33.54	8.0	25.2	0.81
F33	30 Aug 2018	46	13.09	89.10	6.7	33.54	8.0	25.2	0.80
F33	30 Aug 2018	47	13.04	89.10	6.7	33.54	8.0	25.3	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	30 Aug 2018	48	13.02	89.11	6.6	33.54	8.0	25.3	0.72
F33	30 Aug 2018	49	12.91	89.18	6.5	33.54	8.0	25.3	0.64
F33	30 Aug 2018	50	12.93	89.22	6.4	33.54	8.0	25.3	0.61
F33	30 Aug 2018	51	12.89	89.26	6.4	33.54	8.0	25.3	0.59
F33	30 Aug 2018	52	12.89	89.29	6.4	33.54	8.0	25.3	0.54
F33	30 Aug 2018	53	12.75	89.37	6.2	33.54	8.0	25.3	0.46
F33	30 Aug 2018	54	12.58	89.44	6.0	33.54	7.9	25.3	0.37
F33	30 Aug 2018	55	12.53	89.40	5.9	33.53	7.9	25.4	0.27
F33	30 Aug 2018	56	12.50	89.42	5.8	33.53	7.9	25.4	0.24
F33	30 Aug 2018	57	12.47	89.44	5.8	33.53	7.9	25.4	0.23
F33	30 Aug 2018	58	12.41	89.43	5.7	33.53	7.9	25.4	0.22
F33	30 Aug 2018	59	12.38	89.38	5.7	33.52	7.9	25.4	0.18
F33	30 Aug 2018	60	12.28	89.36	5.6	33.52	7.9	25.4	0.14
F33	30 Aug 2018	61	12.25	89.35	5.5	33.52	7.9	25.4	0.11
F33	30 Aug 2018	62	12.25	89.37	5.5	33.52	7.9	25.4	0.10
F33	30 Aug 2018	63	12.24	89.39	5.5	33.53	7.9	25.4	0.11
F33	30 Aug 2018	64	12.24	89.39	5.6	33.53	7.9	25.4	0.11
F33	30 Aug 2018	65	12.24	89.41	5.6	33.54	7.9	25.4	0.10
F33	30 Aug 2018	66	12.23	89.50	5.6	33.55	7.9	25.4	0.11
F33	30 Aug 2018	67	12.20	89.57	5.7	33.56	7.9	25.4	0.12
F33	30 Aug 2018	68	12.16	89.60	5.6	33.56	7.9	25.4	0.12
F33	30 Aug 2018	69	12.09	89.57	5.5	33.56	7.9	25.5	0.10
F33	30 Aug 2018	70	12.03	89.45	5.4	33.56	7.9	25.5	0.06
F33	30 Aug 2018	71	12.01	89.52	5.4	33.57	7.9	25.5	0.08
F33	30 Aug 2018	72	11.93	89.67	5.5	33.58	7.9	25.5	0.11
F33	30 Aug 2018	73	11.86	89.65	5.5	33.58	7.9	25.5	0.07
F33	30 Aug 2018	74	11.84	89.62	5.4	33.58	7.9	25.5	0.05
F33	30 Aug 2018	75	11.84	89.62	5.4	33.58	7.9	25.5	0.05
F33	30 Aug 2018	76	11.82	89.65	5.4	33.58	7.9	25.5	0.06
F33	30 Aug 2018	77	11.75	89.67	5.4	33.59	7.9	25.5	0.05
F33	30 Aug 2018	78	11.72	89.50	5.4	33.59	7.9	25.5	0.04
F33	30 Aug 2018	79	11.70	89.43	5.3	33.59	7.9	25.6	0.03
F33	30 Aug 2018	80	11.64	89.41	5.3	33.59	7.9	25.6	0.01
F33	30 Aug 2018	81	11.60	88.62	5.2	33.60	7.8	25.6	0.00
F33	30 Aug 2018	82	11.51	87.76	5.1	33.60	7.8	25.6	0.00
F33	30 Aug 2018	83	11.48	87.72	5.0	33.60	7.8	25.6	0.00
F33	30 Aug 2018	84	11.46	87.55	5.0	33.61	7.8	25.6	0.00
F33	30 Aug 2018	85	11.41	87.69	5.0	33.61	7.8	25.6	0.00
F33	30 Aug 2018	86	11.31	87.87	5.0	33.62	7.8	25.6	0.00
F33	30 Aug 2018	87	11.20	87.94	4.9	33.64	7.8	25.7	0.00
F33	30 Aug 2018	88	11.07	88.00	4.8	33.65	7.8	25.7	0.00
F33	30 Aug 2018	89	10.98	88.35	4.8	33.66	7.8	25.7	0.00
F33	30 Aug 2018	90	10.83	88.74	4.7	33.67	7.8	25.8	0.00
F33	30 Aug 2018	91	10.78	88.68	4.6	33.68	7.8	25.8	0.00
F33	30 Aug 2018	92	10.76	88.44	4.6	33.69	7.8	25.8	0.00
F33	30 Aug 2018	93	10.74	88.83	4.6	33.69	7.8	25.8	0.00
F33	30 Aug 2018	94	10.69	89.34	4.6	33.69	7.8	25.8	0.00
F33	30 Aug 2018	95	10.66	89.39	4.6	33.69	7.8	25.8	0.00
F33	30 Aug 2018	96	10.64	89.51	4.6	33.70	7.8	25.8	0.00
F33	30 Aug 2018	97	10.63	89.50	4.5	33.70	7.8	25.8	0.00
F33	30 Aug 2018	98	10.62	89.49	4.5	33.70	7.8	25.8	0.00
F33	30 Aug 2018	99	10.60	89.34	4.5	33.71	7.8	25.8	0.00
F33	30 Aug 2018	100	10.57	89.18	4.5	33.71	7.8	25.8	0.00
F33	30 Aug 2018	101	10.53	88.77	4.4	33.72	7.8	25.9	0.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	30 Aug 2018	1	23.32	81.08	8.0	33.83	8.3	23.0	0.54
F34	30 Aug 2018	2	23.32	82.52	8.1	33.83	8.2	23.0	0.54
F34	30 Aug 2018	3	23.32	83.00	8.0	33.83	8.3	23.0	0.58
F34	30 Aug 2018	4	23.28	82.95	8.0	33.83	8.2	23.0	0.62
F34	30 Aug 2018	5	23.13	83.61	8.0	33.82	8.2	23.0	0.60
F34	30 Aug 2018	6	22.59	84.72	7.9	33.80	8.2	23.1	0.53
F34	30 Aug 2018	7	21.73	86.35	7.9	33.75	8.2	23.3	0.40
F34	30 Aug 2018	8	20.95	87.80	7.9	33.72	8.2	23.5	0.30
F34	30 Aug 2018	9	19.40	88.74	8.3	33.66	8.2	23.9	0.22
F34	30 Aug 2018	10	18.26	89.03	8.6	33.60	8.2	24.1	0.15
F34	30 Aug 2018	11	18.14	89.09	8.6	33.56	8.2	24.1	0.14
F34	30 Aug 2018	12	17.72	89.06	8.7	33.56	8.2	24.2	0.14
F34	30 Aug 2018	13	17.54	89.06	8.7	33.55	8.2	24.3	0.14
F34	30 Aug 2018	14	17.36	89.04	8.6	33.55	8.2	24.3	0.16
F34	30 Aug 2018	15	17.22	88.99	8.7	33.55	8.2	24.4	0.17
F34	30 Aug 2018	16	16.96	88.96	8.6	33.55	8.2	24.4	0.20
F34	30 Aug 2018	17	16.56	88.67	8.6	33.55	8.2	24.5	0.25
F34	30 Aug 2018	18	16.30	88.18	8.6	33.54	8.2	24.6	0.35
F34	30 Aug 2018	19	16.13	87.87	8.7	33.53	8.2	24.6	0.49
F34	30 Aug 2018	20	15.92	87.50	8.6	33.53	8.2	24.6	0.67
F34	30 Aug 2018	21	15.75	87.31	8.7	33.53	8.2	24.7	0.79
F34	30 Aug 2018	22	15.64	87.38	8.6	33.53	8.2	24.7	0.84
F34	30 Aug 2018	23	15.53	87.48	8.6	33.53	8.2	24.7	0.85
F34	30 Aug 2018	24	15.47	87.61	8.6	33.53	8.2	24.7	0.80
F34	30 Aug 2018	25	15.46	87.75	8.6	33.53	8.2	24.7	0.77
F34	30 Aug 2018	26	15.40	87.87	8.6	33.53	8.2	24.7	0.74
F34	30 Aug 2018	27	15.22	87.91	8.4	33.52	8.2	24.8	0.71
F34	30 Aug 2018	28	14.85	87.81	8.4	33.54	8.1	24.9	0.69
F34	30 Aug 2018	29	14.63	87.69	8.4	33.52	8.1	24.9	0.70
F34	30 Aug 2018	30	14.54	87.35	8.3	33.52	8.1	24.9	0.79
F34	30 Aug 2018	31	14.39	87.07	8.2	33.52	8.1	25.0	0.99
F34	30 Aug 2018	32	14.30	86.92	8.2	33.52	8.1	25.0	1.14
F34	30 Aug 2018	33	14.26	86.59	8.2	33.52	8.1	25.0	1.26
F34	30 Aug 2018	34	14.21	86.13	8.1	33.52	8.1	25.0	1.49
F34	30 Aug 2018	35	14.16	85.72	8.1	33.52	8.1	25.0	1.78
F34	30 Aug 2018	36	14.08	85.38	8.0	33.52	8.1	25.0	2.17
F34	30 Aug 2018	37	13.93	85.22	7.9	33.53	8.1	25.1	2.42
F34	30 Aug 2018	38	13.84	86.12	7.7	33.53	8.1	25.1	2.37
F34	30 Aug 2018	39	13.59	87.12	7.5	33.53	8.1	25.1	2.03
F34	30 Aug 2018	40	13.52	87.80	7.6	33.52	8.1	25.1	1.71
F34	30 Aug 2018	41	13.47	88.26	7.6	33.51	8.1	25.1	1.41
F34	30 Aug 2018	42	13.41	88.42	7.3	33.52	8.1	25.2	1.27
F34	30 Aug 2018	43	13.35	88.63	7.2	33.53	8.0	25.2	1.23
F34	30 Aug 2018	44	13.34	88.75	7.1	33.53	8.0	25.2	1.15
F34	30 Aug 2018	45	13.30	88.84	7.0	33.53	8.0	25.2	1.11
F34	30 Aug 2018	46	13.23	88.95	6.9	33.54	8.0	25.2	0.97
F34	30 Aug 2018	47	13.20	89.03	6.9	33.54	8.0	25.2	0.89
F34	30 Aug 2018	48	13.17	89.08	6.8	33.54	8.0	25.2	0.86
F34	30 Aug 2018	49	13.13	89.12	6.7	33.54	8.0	25.2	0.80
F34	30 Aug 2018	50	13.05	89.18	6.6	33.54	8.0	25.3	0.76
F34	30 Aug 2018	51	13.00	89.16	6.6	33.54	8.0	25.3	0.70
F34	30 Aug 2018	52	12.95	89.23	6.5	33.54	8.0	25.3	0.66
F34	30 Aug 2018	53	12.92	89.28	6.4	33.54	8.0	25.3	0.59
F34	30 Aug 2018	54	12.87	89.32	6.4	33.54	8.0	25.3	0.56
F34	30 Aug 2018	55	12.82	89.38	6.3	33.54	8.0	25.3	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	30 Aug 2018	56	12.76	89.43	6.3	33.54	8.0	25.3	0.44
F34	30 Aug 2018	57	12.72	89.48	6.3	33.54	8.0	25.3	0.39
F34	30 Aug 2018	58	12.61	89.52	6.2	33.54	8.0	25.3	0.36
F34	30 Aug 2018	59	12.54	89.56	6.1	33.54	7.9	25.4	0.31
F34	30 Aug 2018	60	12.55	89.53	6.1	33.54	7.9	25.4	0.27
F34	30 Aug 2018	61	12.49	89.56	6.1	33.54	7.9	25.4	0.26
F34	30 Aug 2018	62	12.44	89.61	6.1	33.54	7.9	25.4	0.25
F34	30 Aug 2018	63	12.38	89.65	6.1	33.54	7.9	25.4	0.25
F34	30 Aug 2018	64	12.32	89.68	6.1	33.55	7.9	25.4	0.23
F34	30 Aug 2018	65	12.25	89.69	6.0	33.55	7.9	25.4	0.22
F34	30 Aug 2018	66	12.18	89.57	5.8	33.55	7.9	25.4	0.18
F34	30 Aug 2018	67	12.14	89.63	5.7	33.56	7.9	25.4	0.14
F34	30 Aug 2018	68	12.12	89.61	5.7	33.56	7.9	25.4	0.13
F34	30 Aug 2018	69	12.08	89.61	5.7	33.56	7.9	25.5	0.12
F34	30 Aug 2018	70	12.02	89.69	5.7	33.56	7.9	25.5	0.11
F34	30 Aug 2018	71	11.94	89.75	5.7	33.57	7.9	25.5	0.11
F34	30 Aug 2018	72	11.92	89.76	5.7	33.57	7.9	25.5	0.12
F34	30 Aug 2018	73	11.91	89.75	5.7	33.57	7.9	25.5	0.11
F34	30 Aug 2018	74	11.89	89.76	5.6	33.57	7.9	25.5	0.10
F34	30 Aug 2018	75	11.89	89.77	5.6	33.57	7.9	25.5	0.10
F34	30 Aug 2018	76	11.83	89.76	5.5	33.58	7.9	25.5	0.08
F34	30 Aug 2018	77	11.76	89.68	5.4	33.59	7.9	25.5	0.08
F34	30 Aug 2018	78	11.72	89.60	5.4	33.59	7.9	25.5	0.06
F34	30 Aug 2018	79	11.70	89.58	5.3	33.59	7.9	25.5	0.05
F34	30 Aug 2018	80	11.67	89.59	5.3	33.59	7.9	25.6	0.04
F34	30 Aug 2018	81	11.60	89.65	5.2	33.60	7.8	25.6	0.05
F34	30 Aug 2018	82	11.52	89.64	5.2	33.60	7.8	25.6	0.04
F34	30 Aug 2018	83	11.43	89.38	5.1	33.61	7.8	25.6	0.04
F34	30 Aug 2018	84	11.32	89.18	5.0	33.62	7.8	25.6	0.03
F34	30 Aug 2018	85	11.28	89.12	5.0	33.62	7.8	25.7	0.02
F34	30 Aug 2018	86	11.23	88.98	4.9	33.63	7.8	25.7	0.02
F34	30 Aug 2018	87	11.09	88.68	4.9	33.65	7.8	25.7	0.00
F34	30 Aug 2018	88	11.02	88.75	4.8	33.65	7.8	25.7	0.00
F34	30 Aug 2018	89	10.89	88.98	4.8	33.67	7.8	25.8	0.00
F34	30 Aug 2018	90	10.82	89.13	4.7	33.67	7.8	25.8	0.00
F34	30 Aug 2018	91	10.79	89.16	4.7	33.67	7.8	25.8	0.00
F34	30 Aug 2018	92	10.79	89.18	4.7	33.68	7.8	25.8	0.00
F34	30 Aug 2018	93	10.79	89.20	4.7	33.68	7.8	25.8	0.00
F34	30 Aug 2018	94	10.79	89.18	4.7	33.68	7.8	25.8	0.00
F34	30 Aug 2018	95	10.78	89.15	4.7	33.68	7.8	25.8	0.00
F34	30 Aug 2018	96	10.77	89.14	4.6	33.68	7.8	25.8	0.00
F34	30 Aug 2018	97	10.73	88.66	4.6	33.69	7.8	25.8	0.00
F34	30 Aug 2018	98	10.62	88.47	4.5	33.71	7.8	25.8	0.00
F34	30 Aug 2018	99	10.59	88.65	4.5	33.71	7.8	25.8	0.00
F34	30 Aug 2018	100	10.52	88.63	4.4	33.72	7.8	25.9	0.00
F34	30 Aug 2018	101	10.52	88.50	4.4	33.72	7.8	25.9	0.00
F35	30 Aug 2018	1	23.55	78.50	8.0	33.84	8.3	22.9	0.59
F35	30 Aug 2018	2	23.55	83.14	8.0	33.84	8.3	22.9	0.58
F35	30 Aug 2018	3	23.47	83.47	8.0	33.84	8.3	22.9	0.53
F35	30 Aug 2018	4	23.42	83.95	8.0	33.83	8.3	22.9	0.59
F35	30 Aug 2018	5	23.24	83.90	7.9	33.83	8.2	23.0	0.61
F35	30 Aug 2018	6	22.78	84.87	8.0	33.80	8.2	23.1	0.55
F35	30 Aug 2018	7	22.58	85.50	7.9	33.79	8.2	23.1	0.52
F35	30 Aug 2018	8	21.64	86.49	7.9	33.74	8.2	23.4	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	30 Aug 2018	9	21.15	87.71	7.9	33.71	8.2	23.5	0.27
F35	30 Aug 2018	10	19.70	88.55	8.3	33.66	8.2	23.8	0.22
F35	30 Aug 2018	11	19.04	88.40	8.5	33.61	8.2	23.9	0.20
F35	30 Aug 2018	12	18.57	88.77	8.5	33.59	8.2	24.1	0.16
F35	30 Aug 2018	13	17.86	89.11	8.6	33.57	8.2	24.2	0.16
F35	30 Aug 2018	14	17.76	89.04	8.7	33.55	8.2	24.2	0.16
F35	30 Aug 2018	15	17.51	89.10	8.6	33.56	8.2	24.3	0.17
F35	30 Aug 2018	16	16.87	89.11	8.7	33.54	8.2	24.4	0.18
F35	30 Aug 2018	17	16.88	89.03	8.7	33.54	8.2	24.4	0.21
F35	30 Aug 2018	18	16.41	88.91	8.7	33.54	8.2	24.5	0.26
F35	30 Aug 2018	19	16.20	88.76	8.7	33.53	8.2	24.6	0.42
F35	30 Aug 2018	20	16.11	88.70	8.6	33.53	8.2	24.6	0.34
F35	30 Aug 2018	21	16.08	88.56	8.6	33.53	8.2	24.6	0.37
F35	30 Aug 2018	22	15.84	88.41	8.6	33.53	8.2	24.7	0.43
F35	30 Aug 2018	23	15.70	88.14	8.6	33.53	8.2	24.7	0.53
F35	30 Aug 2018	24	15.63	88.04	8.6	33.53	8.2	24.7	0.62
F35	30 Aug 2018	25	15.52	87.96	8.6	33.53	8.2	24.7	0.69
F35	30 Aug 2018	26	15.32	88.06	8.5	33.52	8.2	24.8	0.68
F35	30 Aug 2018	27	15.11	88.20	8.5	33.52	8.2	24.8	0.64
F35	30 Aug 2018	28	15.00	88.01	8.5	33.52	8.1	24.8	0.69
F35	30 Aug 2018	29	14.81	87.77	8.4	33.52	8.1	24.9	0.75
F35	30 Aug 2018	30	14.58	87.38	8.3	33.52	8.1	24.9	0.83
F35	30 Aug 2018	31	14.41	87.11	8.1	33.52	8.1	25.0	1.05
F35	30 Aug 2018	32	14.32	86.60	8.0	33.53	8.1	25.0	1.26
F35	30 Aug 2018	33	14.17	85.88	8.0	33.52	8.1	25.0	1.70
F35	30 Aug 2018	34	14.03	84.96	8.0	33.51	8.1	25.0	2.23
F35	30 Aug 2018	35	13.97	85.07	8.0	33.51	8.1	25.0	2.47
F35	30 Aug 2018	36	13.87	85.42	8.0	33.51	8.1	25.1	2.34
F35	30 Aug 2018	37	13.79	85.92	8.0	33.50	8.1	25.1	2.22
F35	30 Aug 2018	38	13.75	86.26	8.0	33.50	8.1	25.1	2.02
F35	30 Aug 2018	39	13.67	86.74	7.9	33.50	8.1	25.1	1.83
F35	30 Aug 2018	40	13.65	87.35	7.9	33.50	8.1	25.1	1.70
F35	30 Aug 2018	41	13.50	87.87	7.8	33.50	8.1	25.1	1.53
F35	30 Aug 2018	42	13.42	88.05	7.6	33.50	8.1	25.1	1.37
F35	30 Aug 2018	43	13.28	88.37	7.5	33.52	8.1	25.2	1.11
F35	30 Aug 2018	44	13.21	88.84	7.2	33.52	8.0	25.2	0.97
F35	30 Aug 2018	45	13.09	89.10	7.0	33.53	8.0	25.2	0.76
F35	30 Aug 2018	46	13.13	88.91	7.0	33.52	8.0	25.2	0.72
F35	30 Aug 2018	47	12.98	89.26	6.8	33.53	8.0	25.3	0.69
F35	30 Aug 2018	48	12.92	89.34	6.7	33.54	8.0	25.3	0.66
F35	30 Aug 2018	49	12.88	89.35	6.6	33.54	8.0	25.3	0.53
F35	30 Aug 2018	50	12.87	89.41	6.6	33.54	8.0	25.3	0.50
F35	30 Aug 2018	51	12.83	89.36	6.5	33.54	8.0	25.3	0.49
F35	30 Aug 2018	52	12.83	89.43	6.6	33.54	8.0	25.3	0.53
F35	30 Aug 2018	53	12.83	89.43	6.6	33.54	8.0	25.3	0.52
F35	30 Aug 2018	54	12.78	89.47	6.5	33.54	8.0	25.3	0.50
F35	30 Aug 2018	55	12.69	89.48	6.5	33.55	8.0	25.3	0.54
F35	30 Aug 2018	56	12.67	89.51	6.4	33.55	8.0	25.3	0.52
F35	30 Aug 2018	57	12.63	89.59	6.4	33.55	8.0	25.3	0.47
F35	30 Aug 2018	58	12.61	89.59	6.4	33.55	8.0	25.3	0.48
F35	30 Aug 2018	59	12.61	89.62	6.4	33.55	8.0	25.3	0.46
F35	30 Aug 2018	60	12.49	89.64	6.3	33.55	8.0	25.4	0.44
F35	30 Aug 2018	61	12.39	89.68	6.3	33.55	8.0	25.4	0.43
F35	30 Aug 2018	62	12.37	89.65	6.2	33.55	7.9	25.4	0.41
F35	30 Aug 2018	63	12.30	89.74	6.2	33.55	7.9	25.4	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	30 Aug 2018	64	12.26	89.74	6.1	33.55	7.9	25.4	0.33
F35	30 Aug 2018	65	12.15	89.75	6.0	33.56	7.9	25.4	0.29
F35	30 Aug 2018	66	12.07	89.75	5.9	33.55	7.9	25.5	0.23
F35	30 Aug 2018	67	12.03	89.64	5.7	33.55	7.9	25.5	0.16
F35	30 Aug 2018	68	12.02	89.60	5.7	33.55	7.9	25.5	0.13
F35	30 Aug 2018	69	11.98	89.65	5.6	33.55	7.9	25.5	0.12
F35	30 Aug 2018	70	11.91	89.67	5.7	33.56	7.9	25.5	0.12
F35	30 Aug 2018	71	11.84	89.72	5.7	33.56	7.9	25.5	0.13
F35	30 Aug 2018	72	11.84	89.75	5.6	33.57	7.9	25.5	0.12
F35	30 Aug 2018	73	11.81	89.71	5.5	33.57	7.9	25.5	0.11
F35	30 Aug 2018	74	11.80	89.69	5.4	33.58	7.9	25.5	0.09
F35	30 Aug 2018	75	11.77	89.67	5.4	33.58	7.9	25.5	0.07
F35	30 Aug 2018	76	11.73	89.67	5.3	33.58	7.9	25.5	0.05
F35	30 Aug 2018	77	11.65	89.66	5.3	33.59	7.9	25.6	0.05
F35	30 Aug 2018	78	11.59	89.68	5.2	33.60	7.8	25.6	0.05
F35	30 Aug 2018	79	11.53	89.68	5.2	33.60	7.8	25.6	0.04
F35	30 Aug 2018	80	11.51	89.67	5.2	33.60	7.8	25.6	0.05
F35	30 Aug 2018	81	11.46	89.64	5.1	33.61	7.8	25.6	0.04
F35	30 Aug 2018	82	11.43	89.61	5.1	33.61	7.8	25.6	0.03
F35	30 Aug 2018	83	11.45	89.59	5.1	33.61	7.8	25.6	0.04
F35	30 Aug 2018	84	11.39	89.56	5.1	33.61	7.8	25.6	0.03
F35	30 Aug 2018	85	11.37	89.49	5.1	33.61	7.8	25.6	0.04
F35	30 Aug 2018	86	11.37	89.48	5.1	33.61	7.8	25.6	0.04
F35	30 Aug 2018	87	11.33	89.43	5.1	33.62	7.8	25.6	0.04
F35	30 Aug 2018	88	11.31	89.42	5.0	33.62	7.8	25.6	0.03
F35	30 Aug 2018	89	11.27	89.40	5.0	33.62	7.8	25.7	0.08
F35	30 Aug 2018	90	11.23	89.42	5.0	33.62	7.8	25.7	0.03
F35	30 Aug 2018	91	11.21	89.45	5.0	33.62	7.8	25.7	0.03
F35	30 Aug 2018	92	11.15	89.37	5.0	33.63	7.8	25.7	0.05
F35	30 Aug 2018	93	11.12	89.41	5.0	33.63	7.8	25.7	0.02
F35	30 Aug 2018	94	11.07	89.43	5.0	33.64	7.8	25.7	0.02
F35	30 Aug 2018	95	11.03	89.30	4.9	33.64	7.8	25.7	0.02
F35	30 Aug 2018	96	11.02	89.29	4.9	33.64	7.8	25.7	0.02
F35	30 Aug 2018	97	10.91	89.03	4.8	33.66	7.8	25.7	0.01
F35	30 Aug 2018	98	10.64	89.02	4.8	33.69	7.8	25.8	0.00
F35	30 Aug 2018	99	10.56	89.01	4.6	33.71	7.8	25.8	0.00
F35	30 Aug 2018	100	10.53	88.61	4.5	33.71	7.8	25.9	0.00
F36	30 Aug 2018	1	23.66	82.93	8.0	33.86	8.3	22.9	0.58
F36	30 Aug 2018	2	23.66	83.37	8.0	33.86	8.3	22.9	0.64
F36	30 Aug 2018	3	23.65	83.26	8.0	33.86	8.3	22.9	0.64
F36	30 Aug 2018	4	23.59	83.33	7.9	33.85	8.3	22.9	0.66
F36	30 Aug 2018	5	23.40	83.60	7.9	33.84	8.2	22.9	0.69
F36	30 Aug 2018	6	23.16	84.14	7.9	33.82	8.2	23.0	0.65
F36	30 Aug 2018	7	22.70	84.45	7.8	33.80	8.2	23.1	0.60
F36	30 Aug 2018	8	22.19	85.35	7.9	33.76	8.2	23.2	0.47
F36	30 Aug 2018	9	21.76	86.57	7.9	33.73	8.2	23.3	0.42
F36	30 Aug 2018	10	21.56	87.33	7.8	33.72	8.2	23.4	0.29
F36	30 Aug 2018	11	21.05	88.31	7.9	33.70	8.2	23.5	0.24
F36	30 Aug 2018	12	19.62	88.69	8.3	33.63	8.2	23.8	0.19
F36	30 Aug 2018	13	18.76	88.95	8.5	33.60	8.2	24.0	0.19
F36	30 Aug 2018	14	18.54	89.00	8.6	33.58	8.2	24.1	0.18
F36	30 Aug 2018	15	18.31	89.14	8.6	33.58	8.2	24.2	0.18
F36	30 Aug 2018	16	18.07	89.16	8.6	33.57	8.2	24.2	0.17
F36	30 Aug 2018	17	17.80	89.15	8.6	33.55	8.2	24.2	0.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	30 Aug 2018	18	17.60	89.19	8.5	33.55	8.2	24.3	0.17
F36	30 Aug 2018	19	17.05	89.13	8.6	33.55	8.2	24.4	0.19
F36	30 Aug 2018	20	16.56	89.15	8.8	33.53	8.2	24.5	0.25
F36	30 Aug 2018	21	16.37	89.10	8.7	33.52	8.2	24.5	0.28
F36	30 Aug 2018	22	16.20	89.00	8.7	33.51	8.2	24.6	0.31
F36	30 Aug 2018	23	16.10	88.79	8.7	33.51	8.2	24.6	0.29
F36	30 Aug 2018	24	15.99	88.96	8.7	33.51	8.2	24.6	0.31
F36	30 Aug 2018	25	15.86	89.02	8.7	33.51	8.2	24.6	0.31
F36	30 Aug 2018	26	15.83	89.01	8.7	33.51	8.2	24.6	0.33
F36	30 Aug 2018	27	15.68	88.94	8.6	33.51	8.2	24.7	0.34
F36	30 Aug 2018	28	15.51	88.83	8.5	33.51	8.2	24.7	0.37
F36	30 Aug 2018	29	15.34	88.63	8.5	33.52	8.2	24.8	0.43
F36	30 Aug 2018	30	15.17	88.54	8.6	33.51	8.2	24.8	0.50
F36	30 Aug 2018	31	15.06	88.47	8.5	33.52	8.1	24.8	0.53
F36	30 Aug 2018	32	14.81	88.35	8.5	33.52	8.1	24.9	0.55
F36	30 Aug 2018	33	14.65	88.21	8.5	33.51	8.1	24.9	0.63
F36	30 Aug 2018	34	14.54	87.81	8.4	33.52	8.1	24.9	0.75
F36	30 Aug 2018	35	14.43	87.72	8.2	33.52	8.1	25.0	0.91
F36	30 Aug 2018	36	14.25	87.37	8.2	33.52	8.1	25.0	1.19
F36	30 Aug 2018	37	14.12	86.45	8.1	33.52	8.1	25.0	1.66
F36	30 Aug 2018	38	13.95	85.35	8.0	33.52	8.1	25.1	2.20
F36	30 Aug 2018	39	13.80	85.85	8.0	33.52	8.1	25.1	2.16
F36	30 Aug 2018	40	13.77	86.65	7.9	33.52	8.1	25.1	1.98
F36	30 Aug 2018	41	13.73	87.09	7.8	33.52	8.1	25.1	1.78
F36	30 Aug 2018	42	13.66	87.57	7.8	33.52	8.1	25.1	1.69
F36	30 Aug 2018	43	13.43	87.89	7.7	33.52	8.1	25.2	1.57
F36	30 Aug 2018	44	13.25	88.27	7.6	33.51	8.1	25.2	1.41
F36	30 Aug 2018	45	13.22	88.69	7.6	33.51	8.1	25.2	1.18
F36	30 Aug 2018	46	13.09	89.05	7.4	33.52	8.1	25.2	0.97
F36	30 Aug 2018	47	13.07	89.11	7.4	33.52	8.0	25.2	0.96
F36	30 Aug 2018	48	13.05	89.12	7.3	33.52	8.0	25.2	0.91
F36	30 Aug 2018	49	13.00	89.23	7.2	33.52	8.0	25.2	0.83
F36	30 Aug 2018	50	12.92	89.31	7.1	33.53	8.0	25.3	0.74
F36	30 Aug 2018	51	12.95	89.35	7.1	33.53	8.0	25.3	0.76
F36	30 Aug 2018	52	12.86	89.36	7.1	33.53	8.0	25.3	0.70
F36	30 Aug 2018	53	12.82	89.36	7.0	33.53	8.0	25.3	0.67
F36	30 Aug 2018	54	12.79	89.48	6.9	33.53	8.0	25.3	0.66
F36	30 Aug 2018	55	12.72	89.56	6.8	33.54	8.0	25.3	0.63
F36	30 Aug 2018	56	12.64	89.57	6.8	33.54	8.0	25.3	0.56
F36	30 Aug 2018	57	12.61	89.61	6.7	33.54	8.0	25.3	0.58
F36	30 Aug 2018	58	12.56	89.65	6.7	33.54	8.0	25.4	0.56
F36	30 Aug 2018	59	12.53	89.69	6.6	33.54	8.0	25.4	0.50
F36	30 Aug 2018	60	12.45	89.72	6.5	33.55	8.0	25.4	0.47
F36	30 Aug 2018	61	12.37	89.70	6.4	33.55	8.0	25.4	0.44
F36	30 Aug 2018	62	12.33	89.74	6.3	33.55	8.0	25.4	0.40
F36	30 Aug 2018	63	12.27	89.73	6.2	33.56	7.9	25.4	0.40
F36	30 Aug 2018	64	12.23	89.75	6.2	33.56	7.9	25.4	0.36
F36	30 Aug 2018	65	12.23	89.77	6.1	33.56	7.9	25.4	0.38
F36	30 Aug 2018	66	12.17	89.80	6.1	33.56	7.9	25.4	0.39
F36	30 Aug 2018	67	12.16	89.80	6.0	33.56	7.9	25.4	0.37
F36	30 Aug 2018	68	12.16	89.77	6.0	33.56	7.9	25.4	0.37
F36	30 Aug 2018	69	12.14	89.82	6.0	33.56	7.9	25.4	0.39
F36	30 Aug 2018	70	12.08	89.78	5.9	33.56	7.9	25.5	0.34
F36	30 Aug 2018	71	12.00	89.86	5.9	33.57	7.9	25.5	0.30
F36	30 Aug 2018	72	11.96	89.84	5.8	33.57	7.9	25.5	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	30 Aug 2018	73	11.86	89.86	5.8	33.57	7.9	25.5	0.22
F36	30 Aug 2018	74	11.81	89.80	5.7	33.57	7.9	25.5	0.19
F36	30 Aug 2018	75	11.73	89.83	5.7	33.58	7.9	25.5	0.17
F36	30 Aug 2018	76	11.67	89.84	5.6	33.58	7.9	25.5	0.16
F36	30 Aug 2018	77	11.58	89.84	5.6	33.59	7.9	25.6	0.16
F36	30 Aug 2018	78	11.51	89.86	5.5	33.59	7.9	25.6	0.15
F36	30 Aug 2018	79	11.45	89.82	5.4	33.60	7.9	25.6	0.13
F36	30 Aug 2018	80	11.37	89.74	5.3	33.61	7.9	25.6	0.10
F36	30 Aug 2018	81	11.35	89.79	5.3	33.61	7.9	25.6	0.11
F36	30 Aug 2018	82	11.31	89.83	5.4	33.61	7.9	25.6	0.12
F36	30 Aug 2018	83	11.19	89.96	5.4	33.61	7.9	25.7	0.12
F36	30 Aug 2018	84	11.16	89.99	5.4	33.61	7.9	25.7	0.12
F36	30 Aug 2018	85	11.16	89.98	5.4	33.61	7.9	25.7	0.11
F36	30 Aug 2018	86	11.14	89.95	5.3	33.62	7.8	25.7	0.10
F36	30 Aug 2018	87	11.07	89.91	5.2	33.63	7.8	25.7	0.09
F36	30 Aug 2018	88	11.03	89.87	5.2	33.63	7.8	25.7	0.08
F36	30 Aug 2018	89	11.02	89.84	5.1	33.63	7.8	25.7	0.08
F36	30 Aug 2018	90	11.03	89.86	5.1	33.63	7.8	25.7	0.06
F36	30 Aug 2018	91	11.00	89.81	5.1	33.64	7.8	25.7	0.06
F36	30 Aug 2018	92	10.94	89.81	5.0	33.64	7.8	25.7	0.05
F36	30 Aug 2018	93	10.87	89.92	5.0	33.65	7.8	25.7	0.06
F36	30 Aug 2018	94	10.84	89.95	5.1	33.65	7.8	25.8	0.05
F36	30 Aug 2018	95	10.79	89.94	5.0	33.65	7.8	25.8	0.05
F36	30 Aug 2018	96	10.74	89.86	5.0	33.66	7.8	25.8	0.01
F36	30 Aug 2018	97	10.70	89.40	4.9	33.67	7.8	25.8	0.00
F36	30 Aug 2018	98	10.69	89.10	4.9	33.67	7.8	25.8	0.00
F36	30 Aug 2018	99	10.69	89.04	4.8	33.67	7.8	25.8	0.00
F36	30 Aug 2018	100	10.70	88.94	4.8	33.67	7.8	25.8	0.02

NA = not available

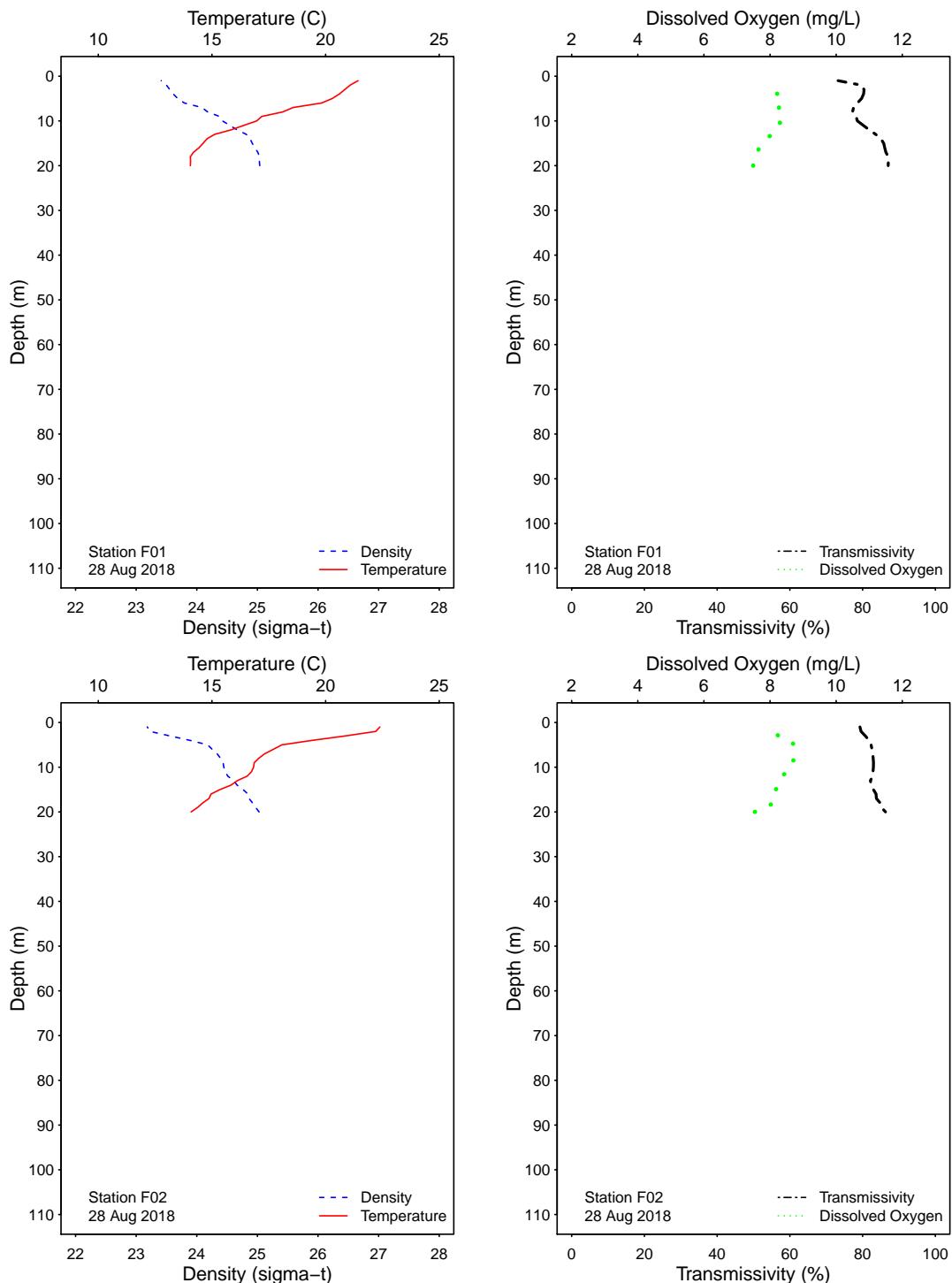


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

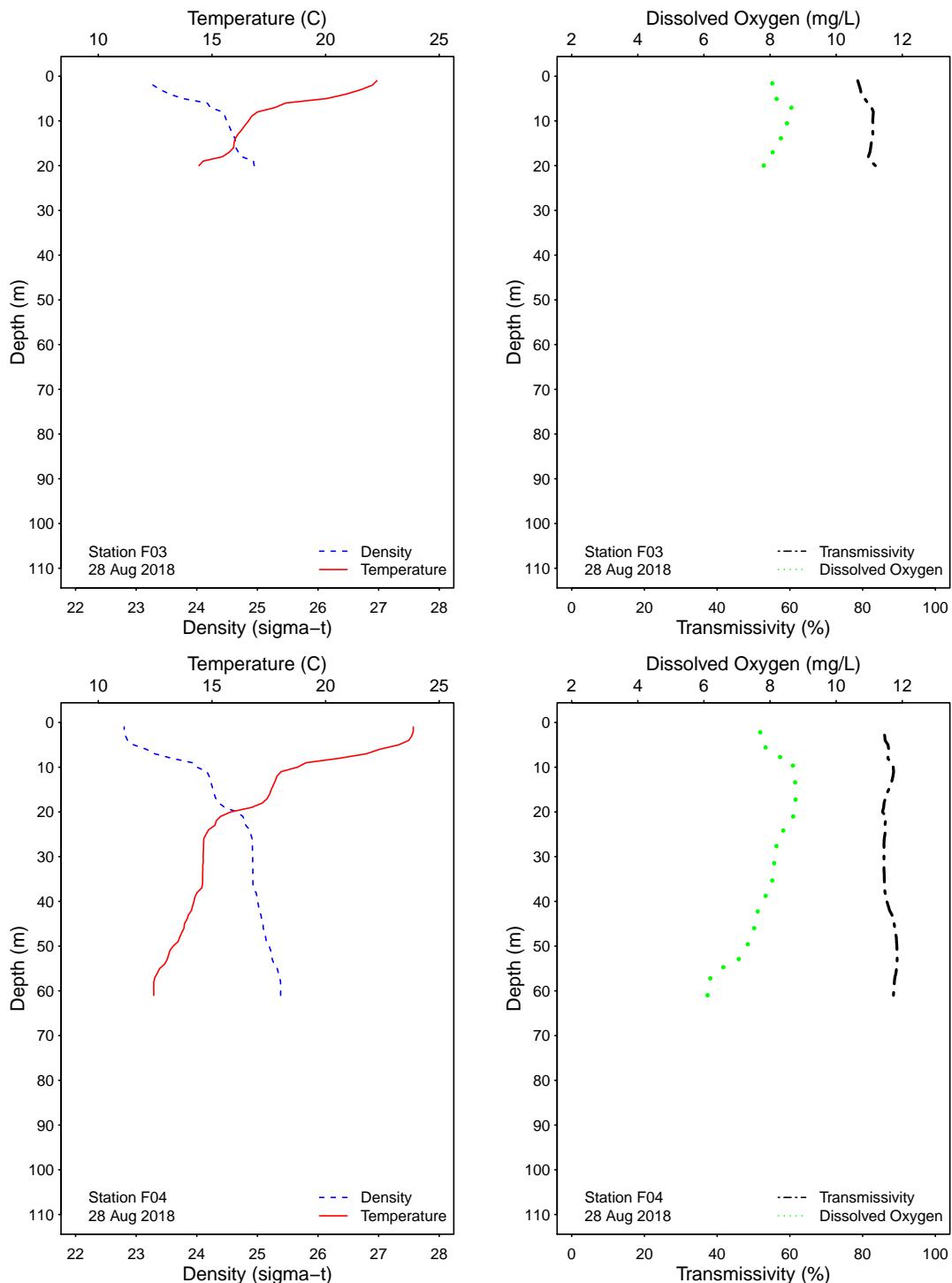


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

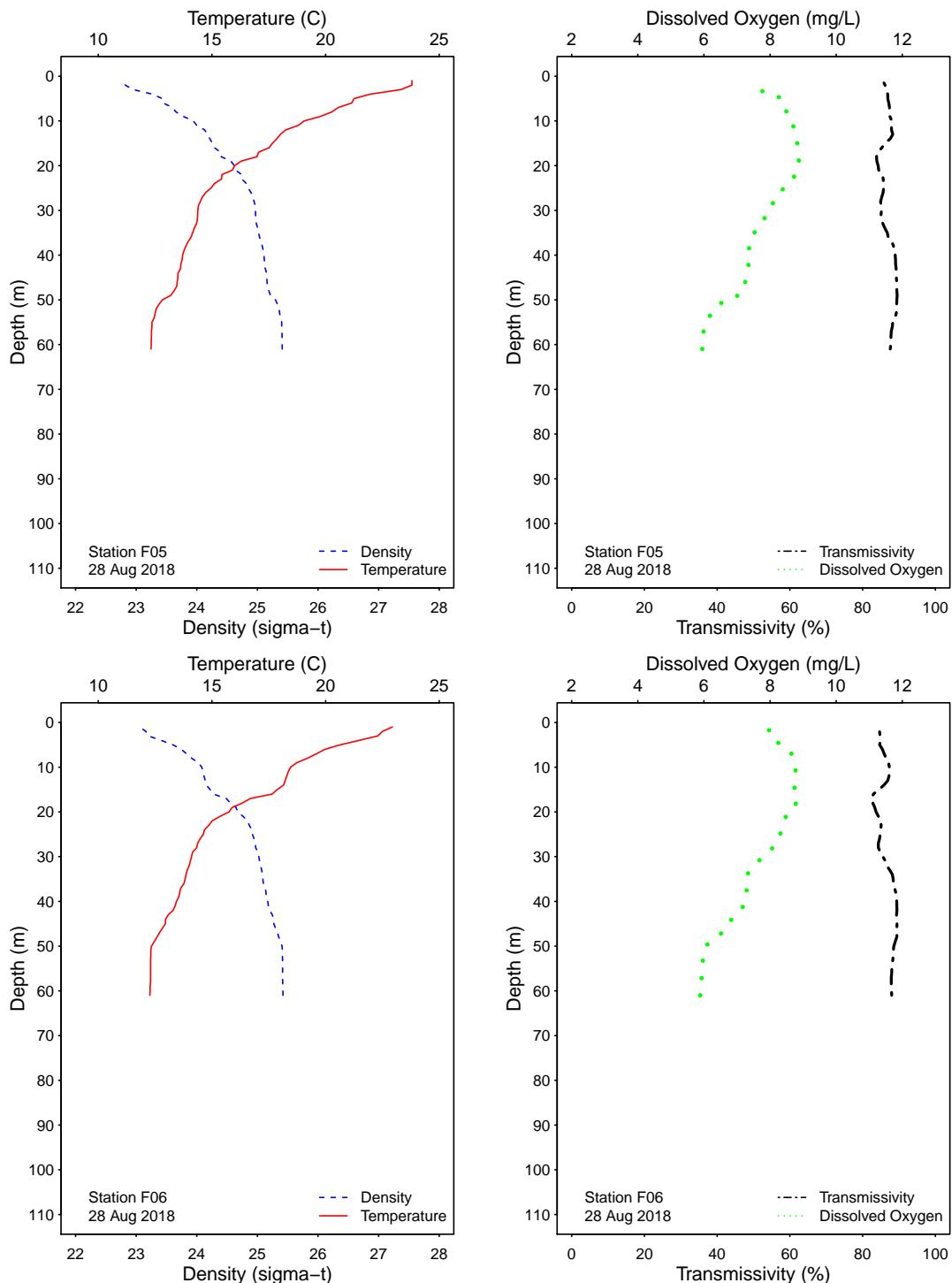


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

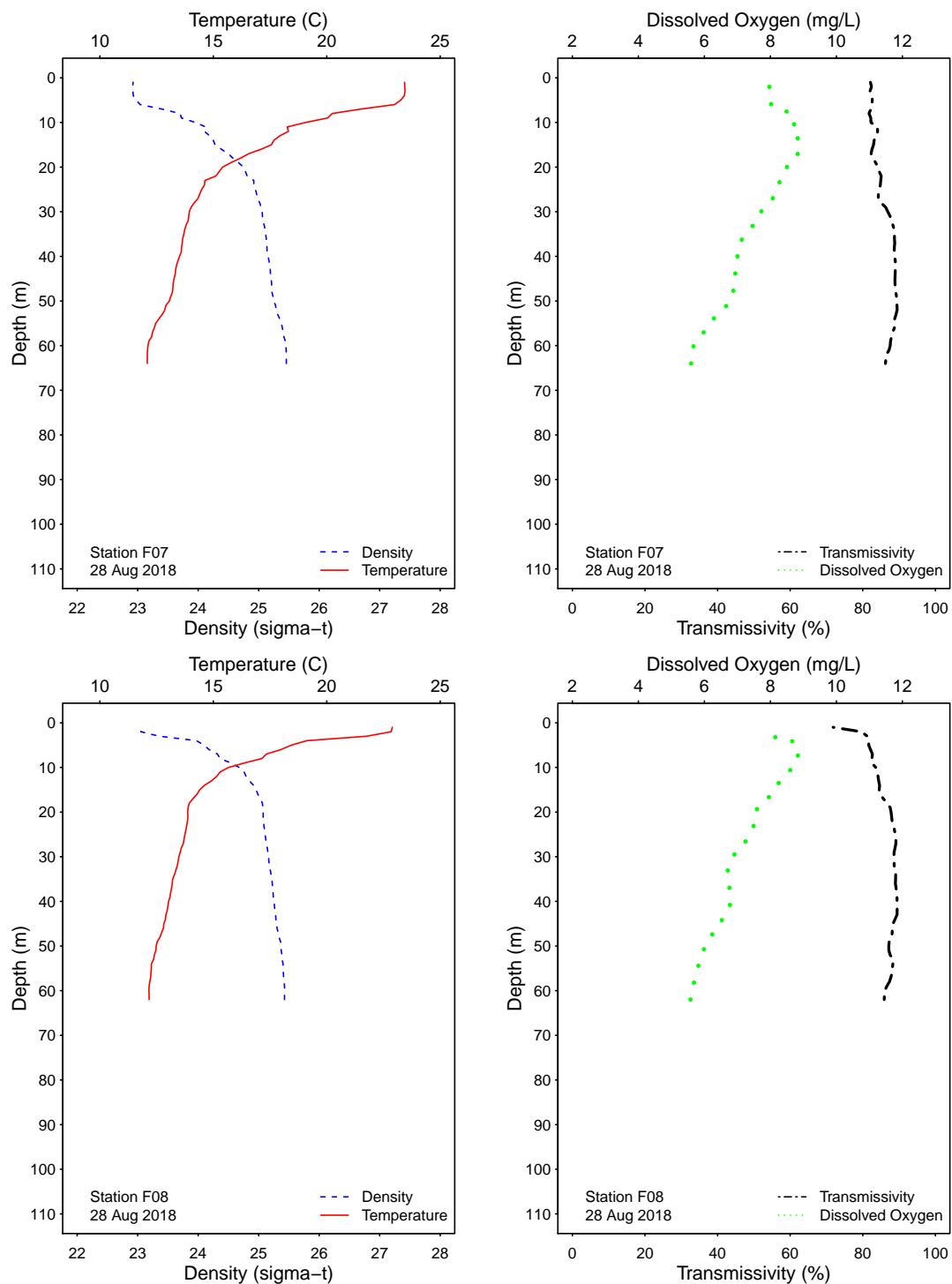


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

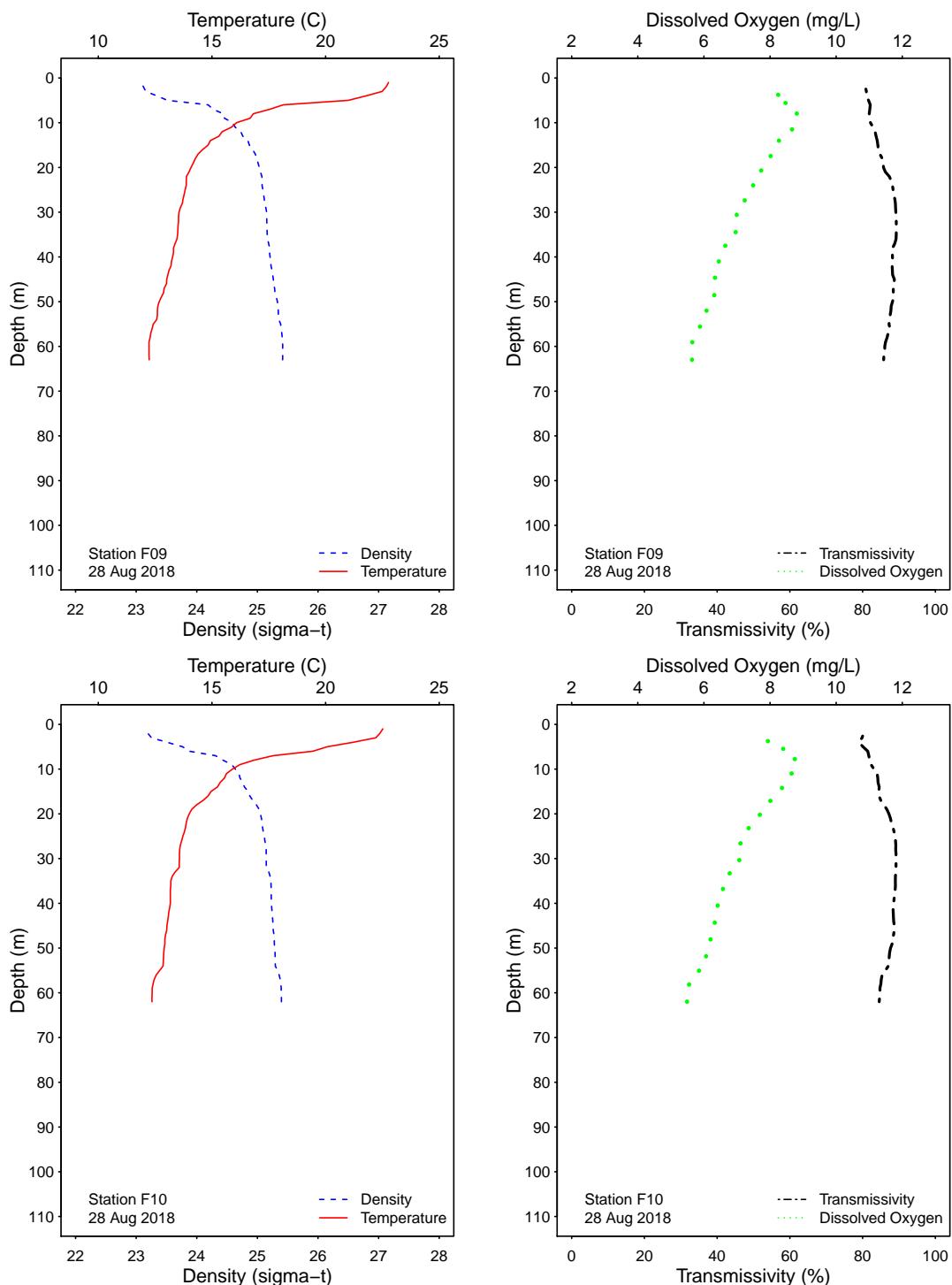


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

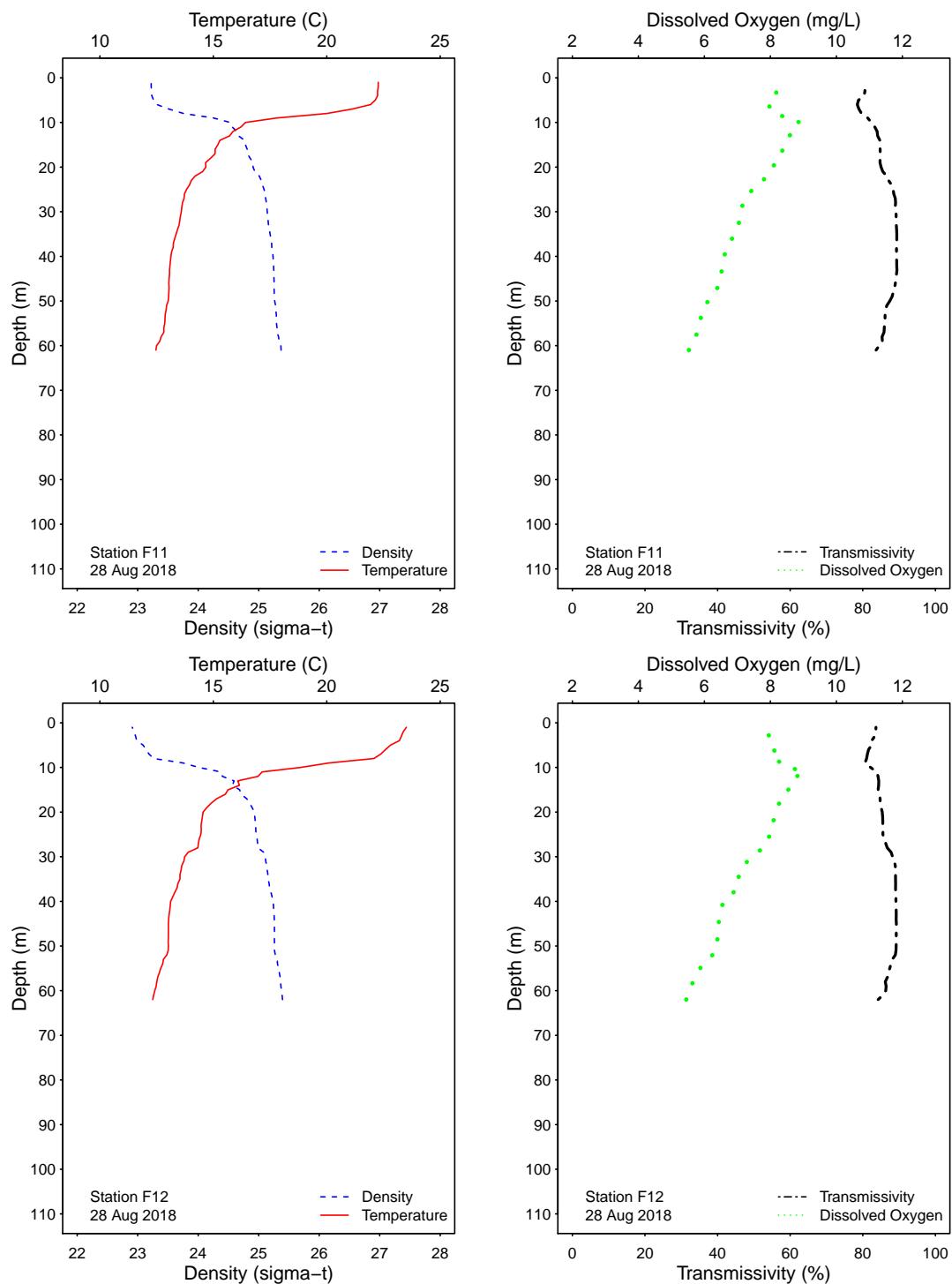


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

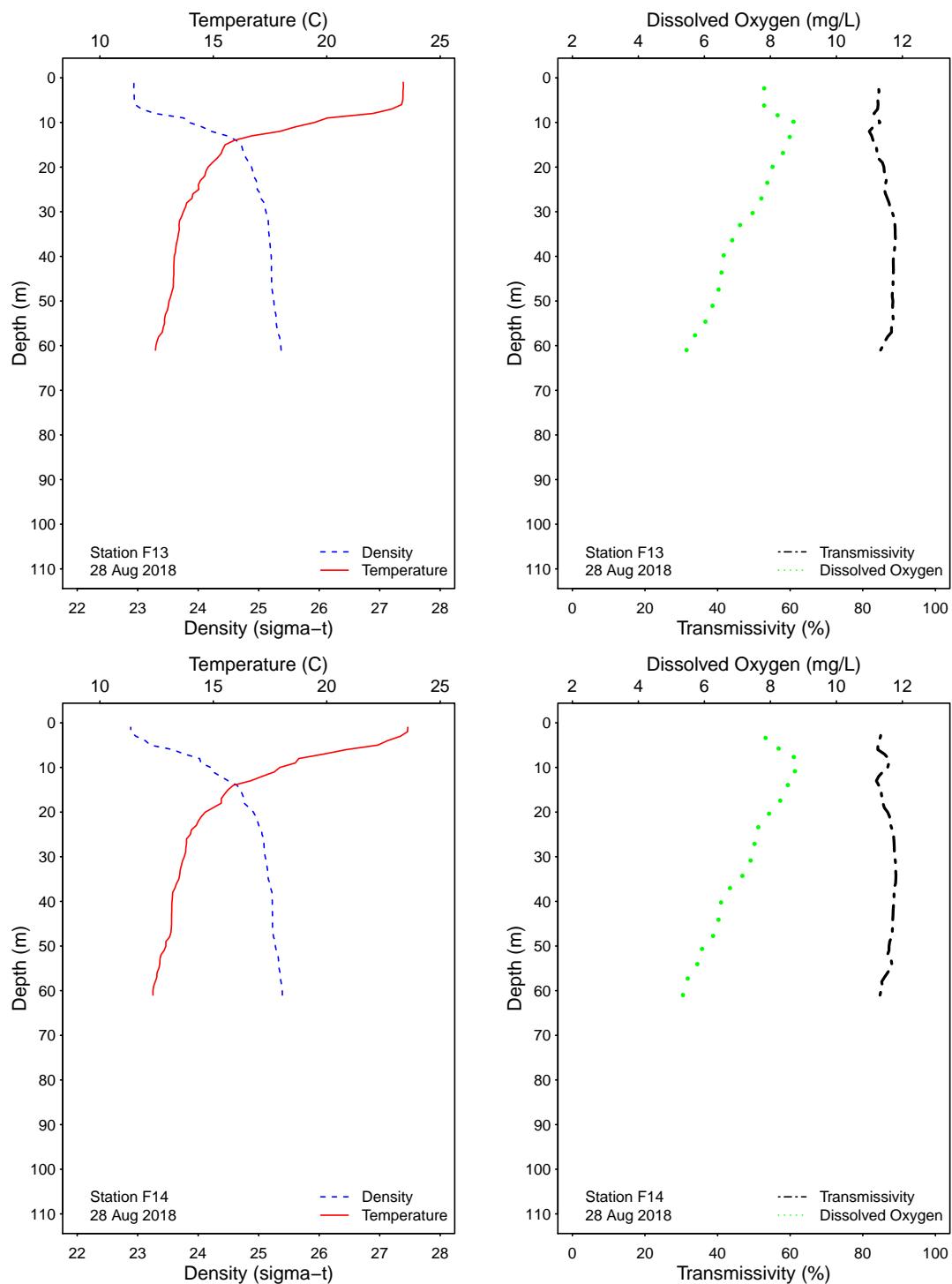


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

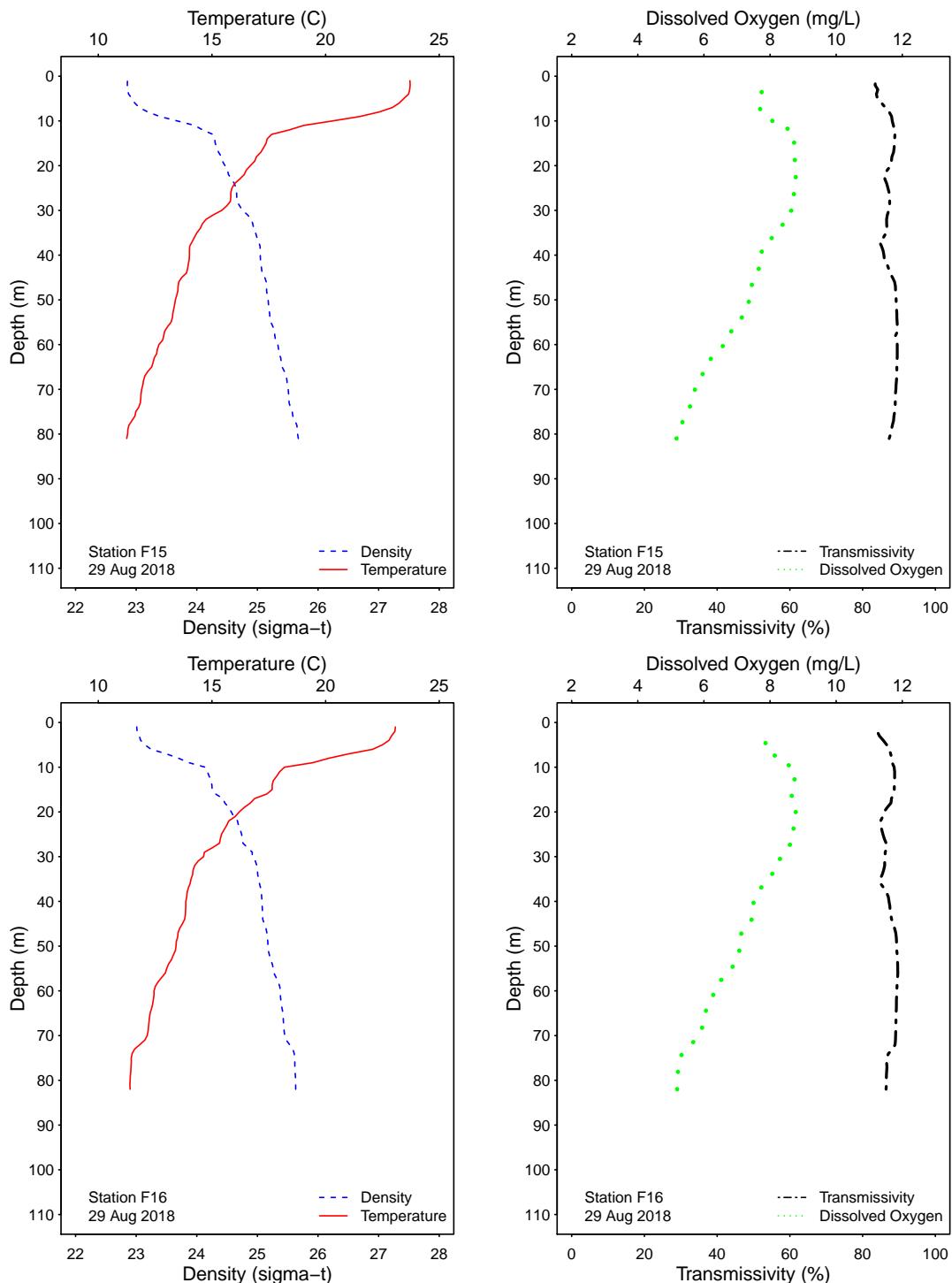


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

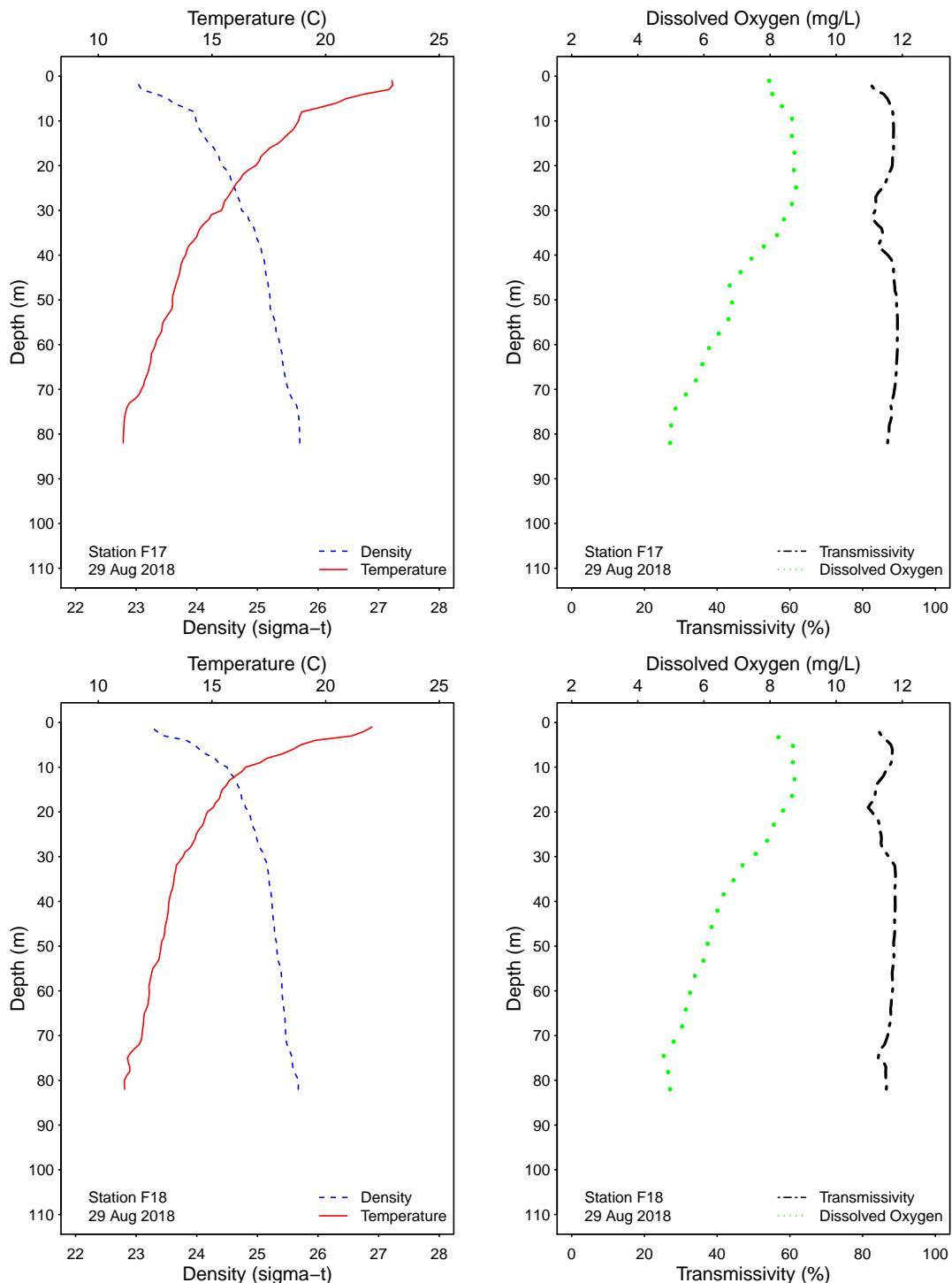


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

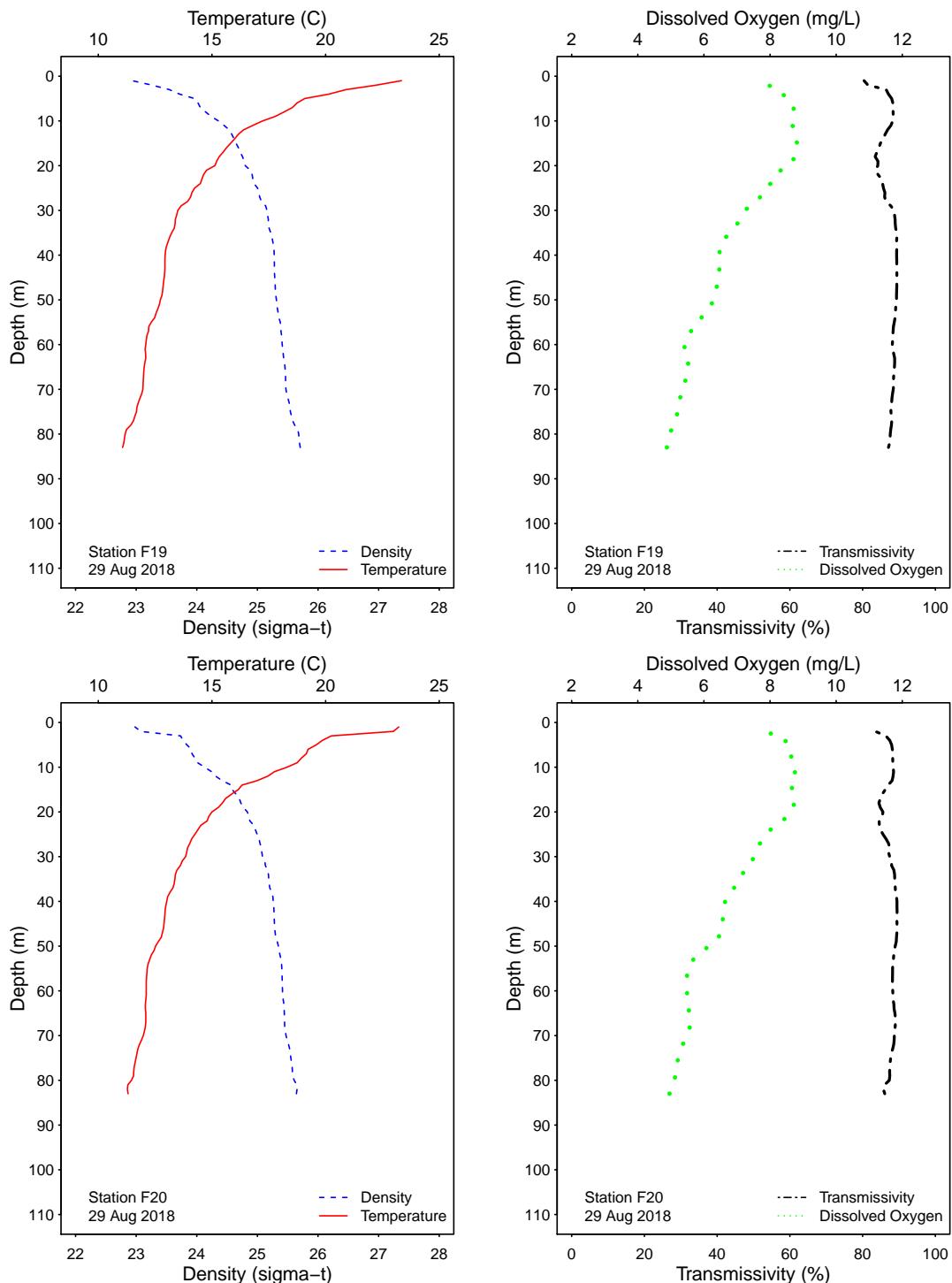


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

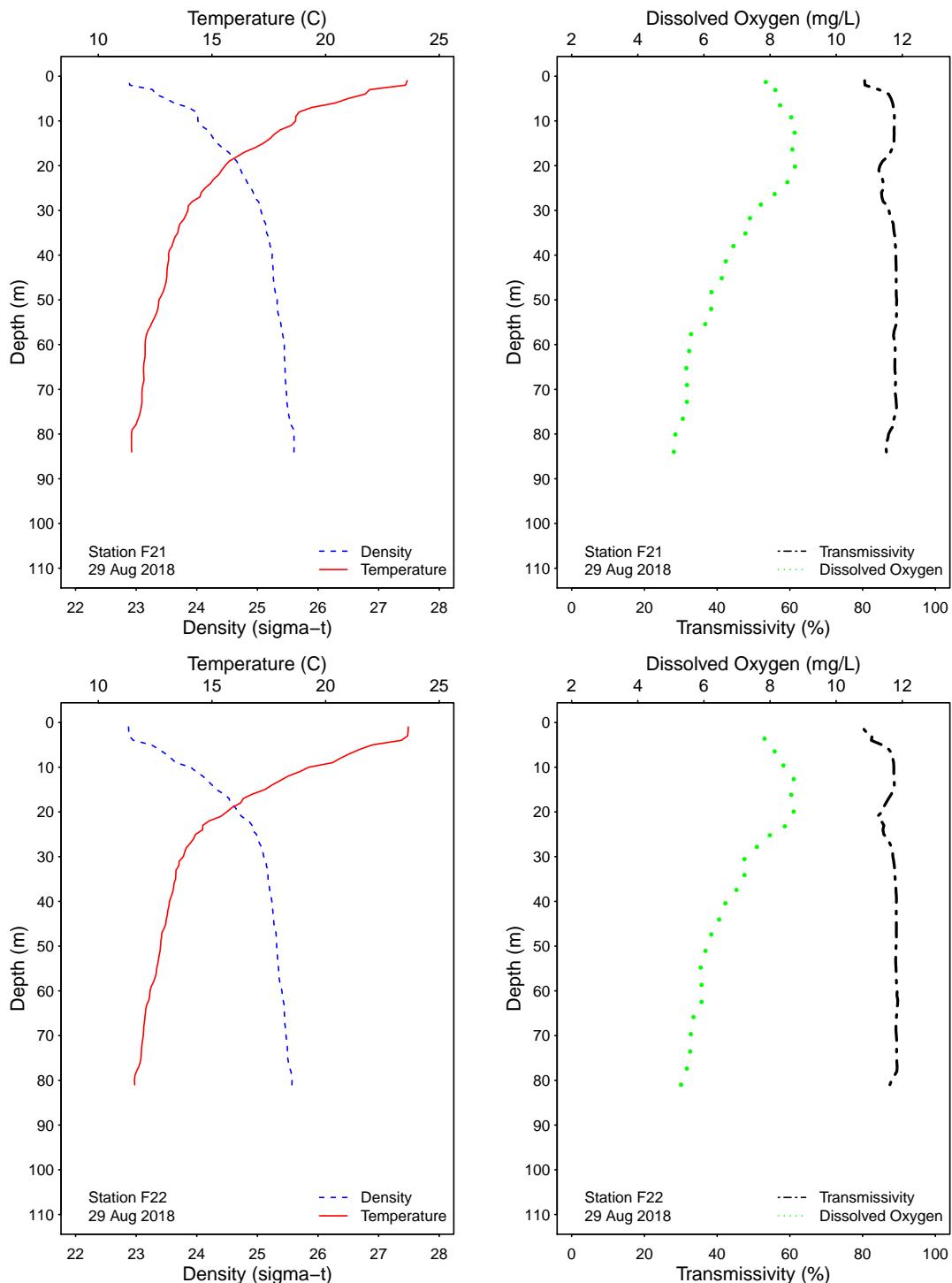


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

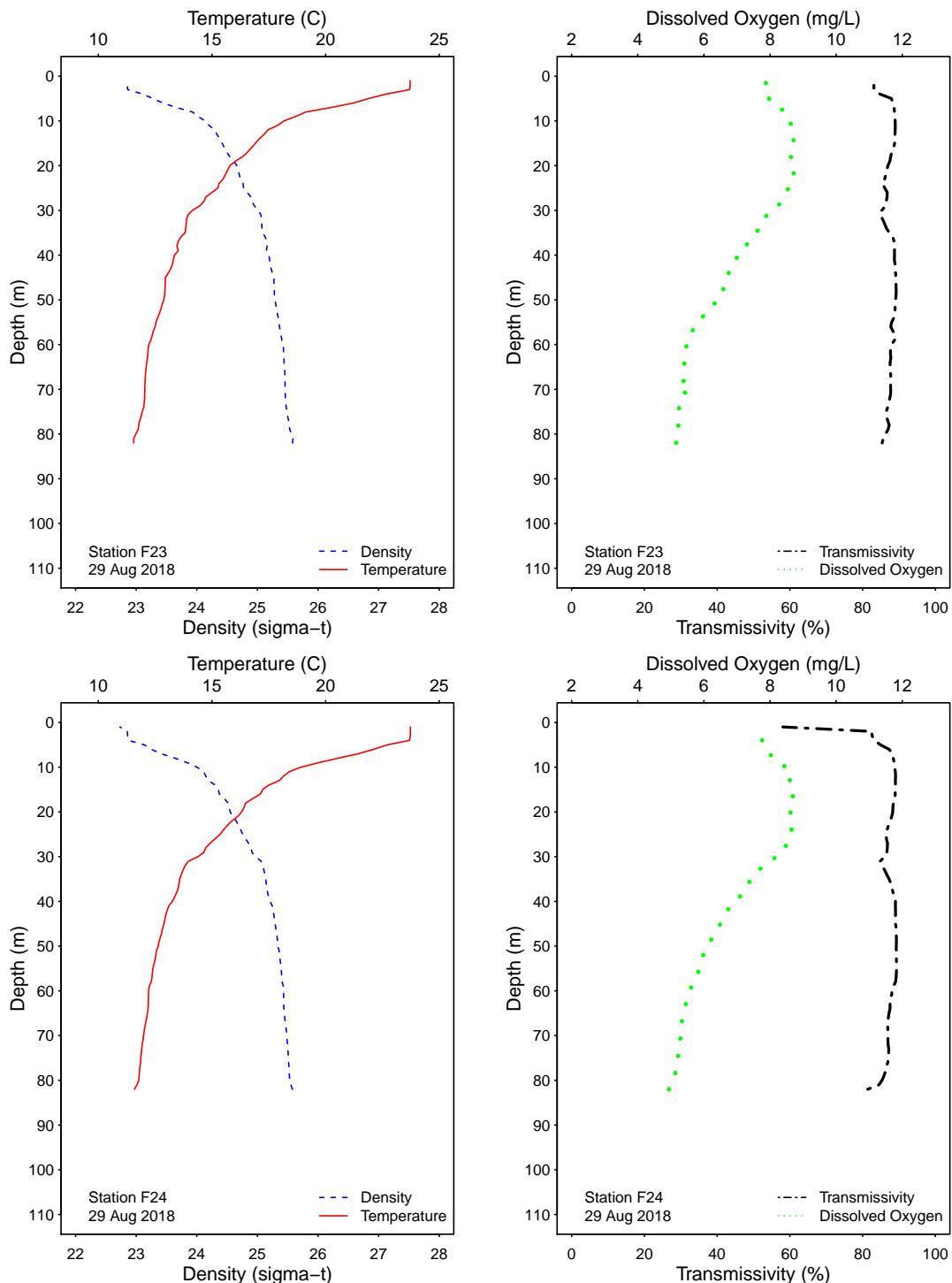


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

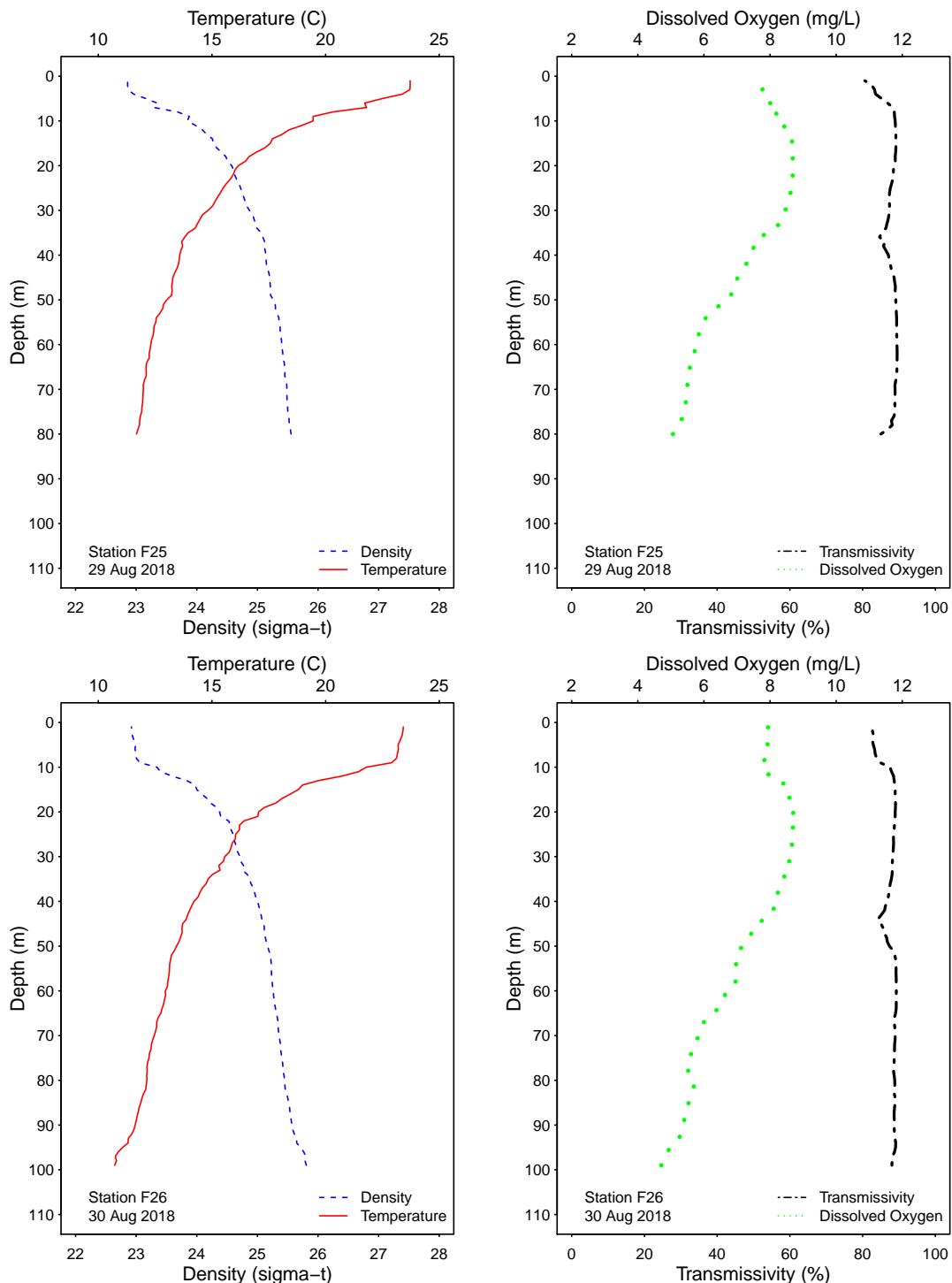


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

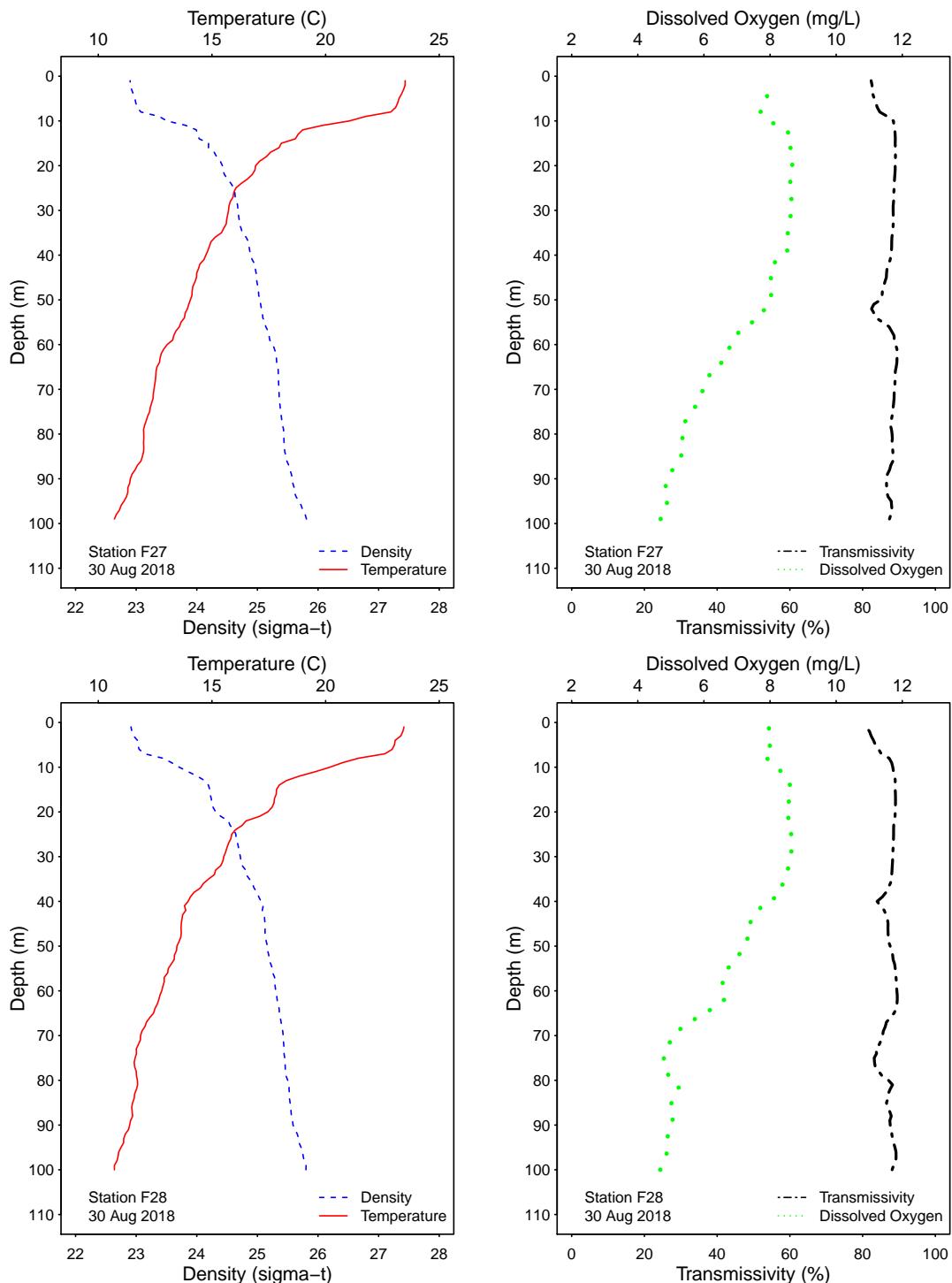


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

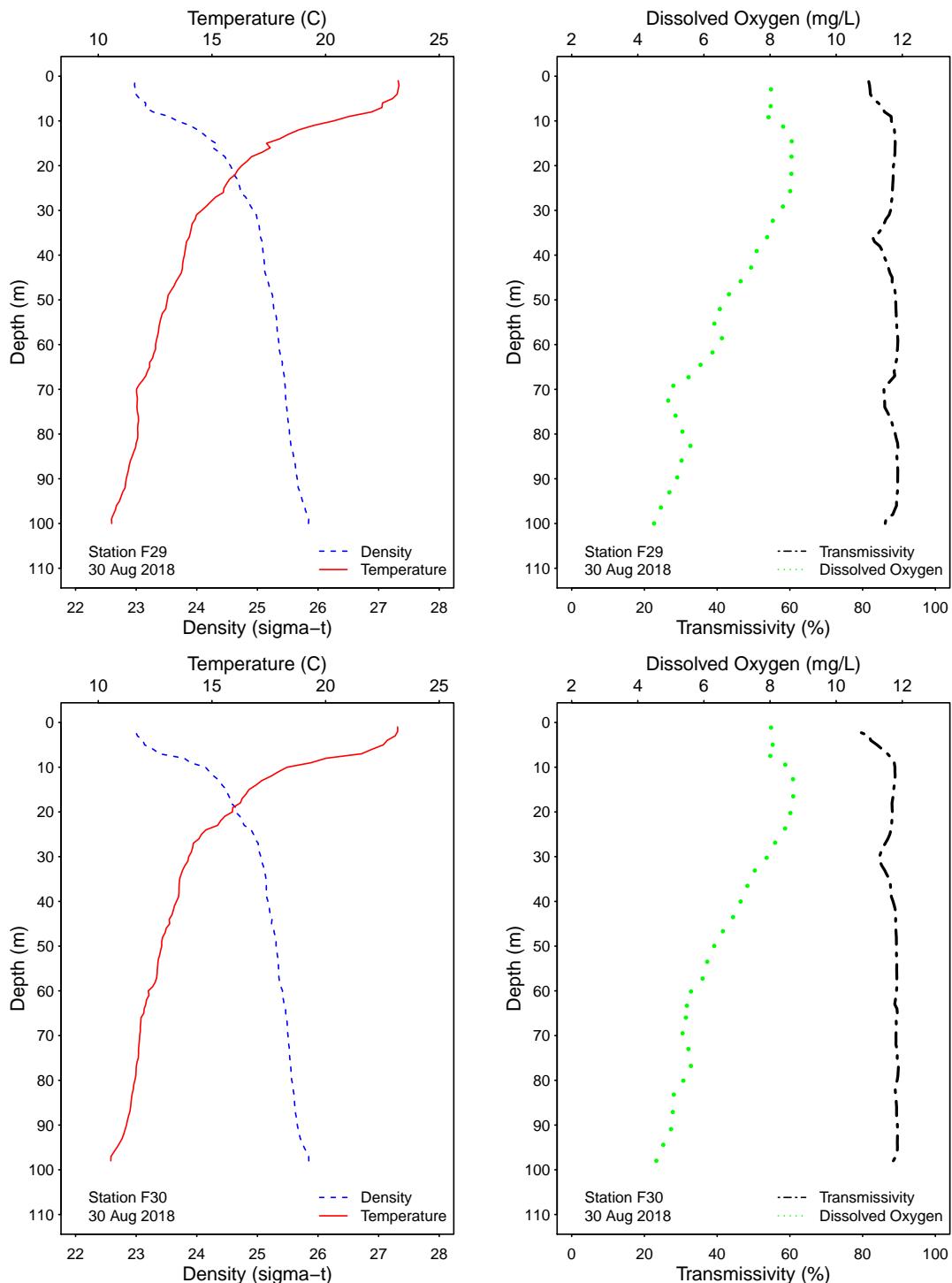


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

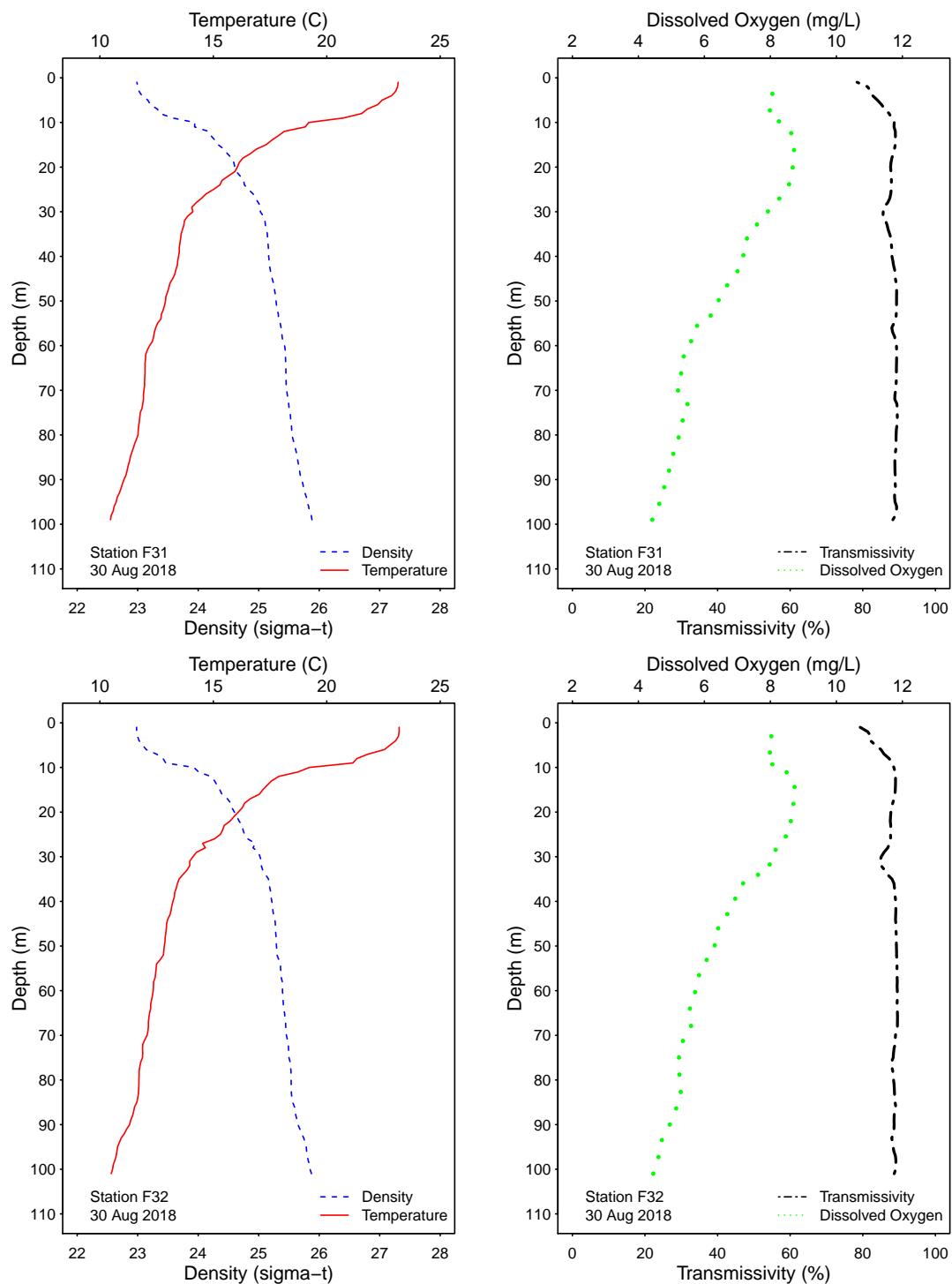


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

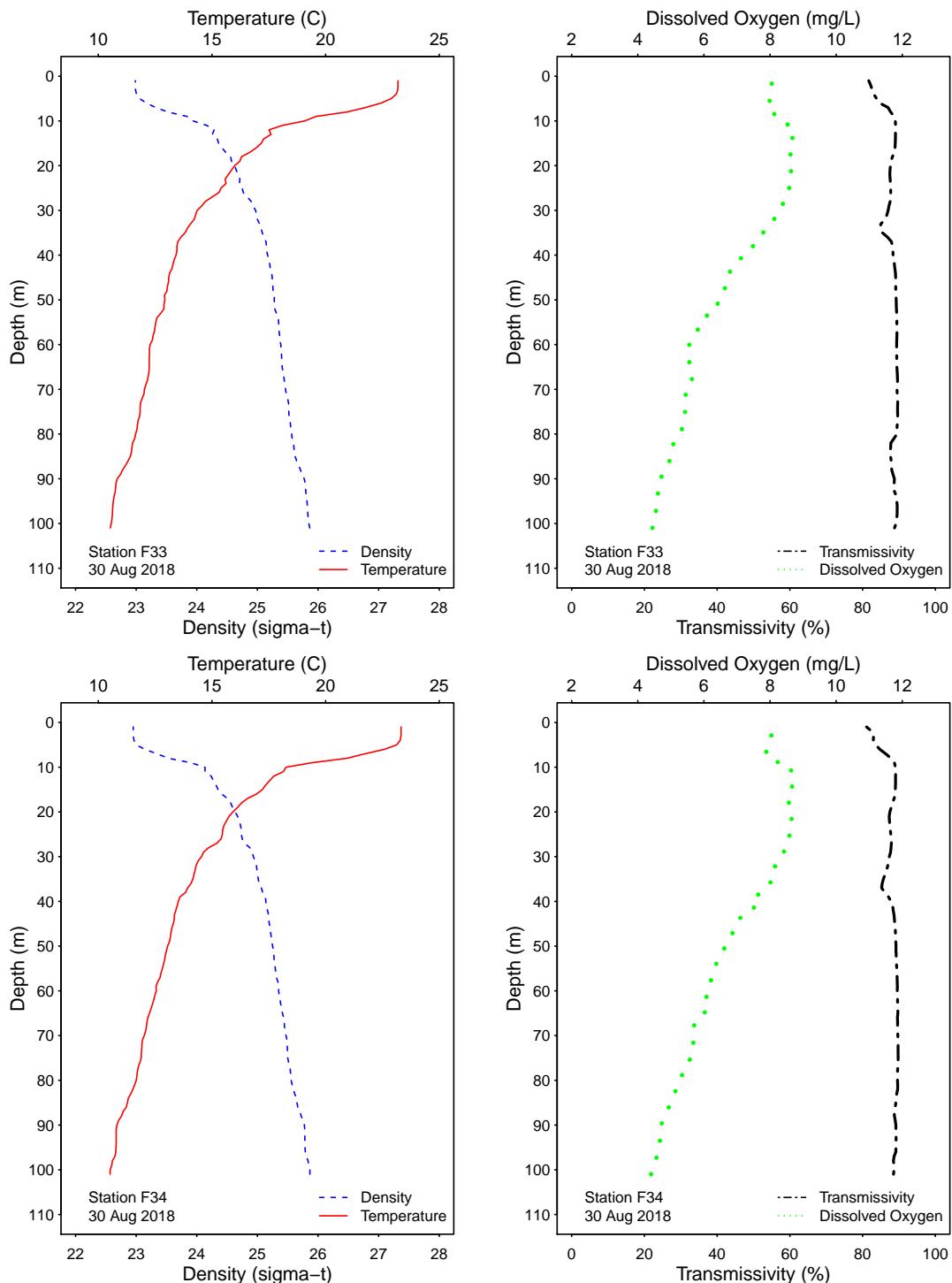


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

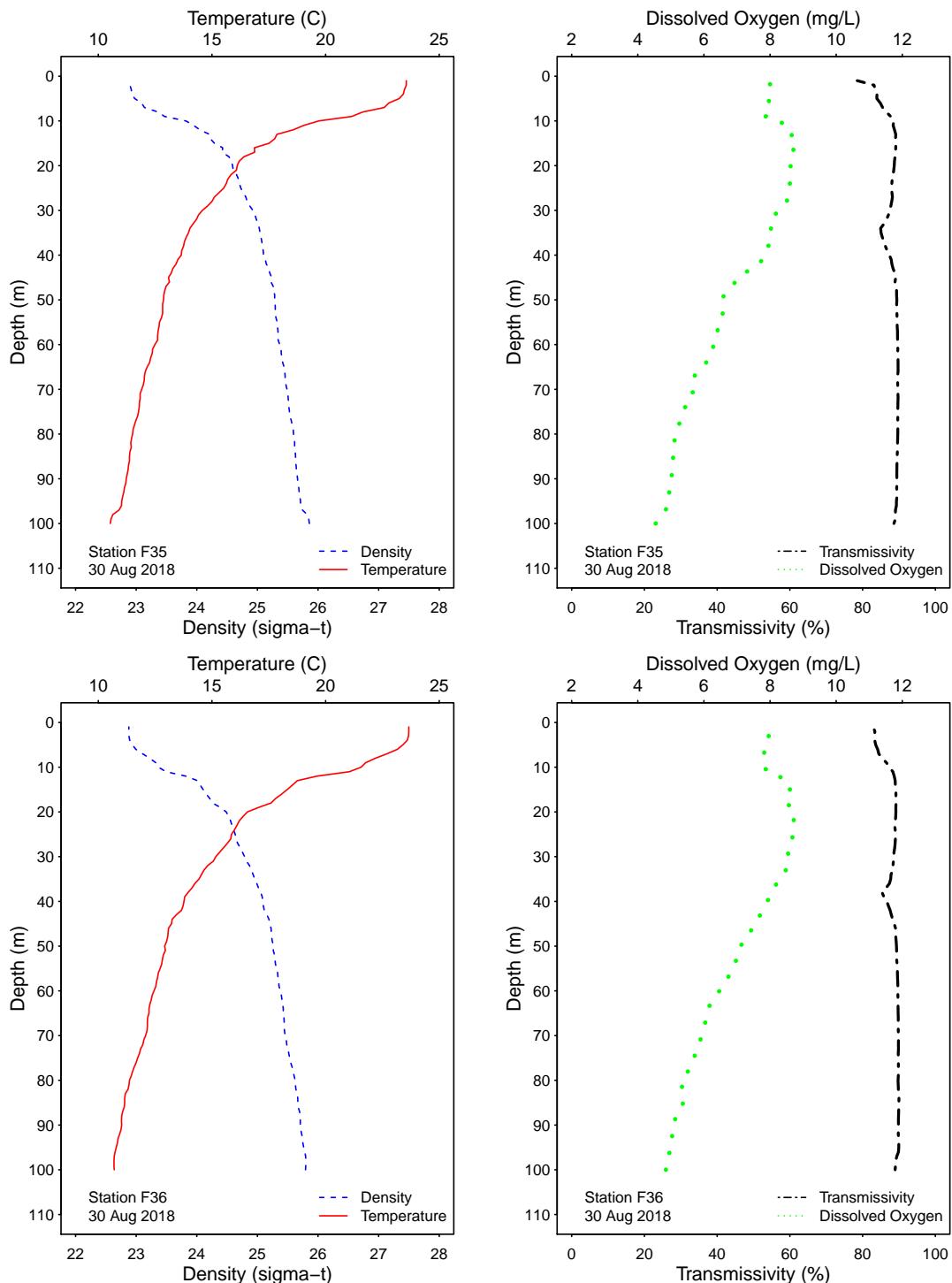


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
A7	06 Aug 2018	18	AE	LAB DUPLICATE	<2	<2	<2
A7	13 Aug 2018	18	LMA	LAB DUPLICATE	2e	<2	<2
A7	20 Aug 2018	18	AE	LAB DUPLICATE	2e	<2	<2
A7	27 Aug 2018	18	LMA	LAB DUPLICATE	20e	4e	<2
C7	06 Aug 2018	18	AR	LAB DUPLICATE	<2	<2	<2
C7	13 Aug 2018	18	LMA	LAB DUPLICATE	6e	<2	<2
C7	20 Aug 2018	18	AE	LAB DUPLICATE	<2	<2	<2
C7	27 Aug 2018	18	LMA	LAB DUPLICATE	<2	<2	<2
C8	06 Aug 2018	12	AR	LAB DUPLICATE	<2	<2	<2
C8	13 Aug 2018	12	JT	LAB DUPLICATE	2e	<2	<2
C8	20 Aug 2018	12	AE	LAB DUPLICATE	<2	<2	<2
C8	27 Aug 2018	12	AE	LAB DUPLICATE	<2	<2	<2
D12	01 Aug 2018		AR	FIELD DUPLICATE	<20	2e	<2
D12	01 Aug 2018		AR	LAB DUPLICATE	<20	2e	<2
D12	08 Aug 2018		JT	FIELD DUPLICATE	38e	<2	<2
D12	08 Aug 2018		AE	LAB DUPLICATE	160e	<2	<2
D12	15 Aug 2018		AR	FIELD DUPLICATE	<20	2e	<2
D12	15 Aug 2018		AR	LAB DUPLICATE	80e	<2	<2
D12	22 Aug 2018		JT	FIELD DUPLICATE	20e	<2	<20
D12	22 Aug 2018		JT	LAB DUPLICATE	100e	10e	<20
D12	29 Aug 2018		JT	FIELD DUPLICATE	<20	<2	<2
D12	29 Aug 2018		JT	LAB DUPLICATE	<20	2e	<2
F01	28 Aug 2018	12	AE	LAB DUPLICATE	ns	ns	<2
F02	28 Aug 2018	12	AR	LAB DUPLICATE	ns	ns	<2
F07	28 Aug 2018	60	AE	LAB DUPLICATE	ns	ns	10e
F08	28 Aug 2018	60	AR	LAB DUPLICATE	ns	ns	32e
F11	28 Aug 2018	60	AR	LAB DUPLICATE	ns	ns	14e
F17	29 Aug 2018	80	AE	LAB DUPLICATE	ns	ns	48
F18	29 Aug 2018	60	AE	LAB DUPLICATE	ns	ns	36e
F19	29 Aug 2018	60	AR	LAB DUPLICATE	ns	ns	16e
F20	29 Aug 2018	60	AR	LAB DUPLICATE	ns	ns	30e
F21	29 Aug 2018	80	AE	LAB DUPLICATE	ns	ns	20e
F28	30 Aug 2018	60	AE	LAB DUPLICATE	ns	ns	<2
F29	30 Aug 2018	60	AE	LAB DUPLICATE	ns	ns	10e
F30	30 Aug 2018	60	AE	LAB DUPLICATE	ns	ns	<2
F31	30 Aug 2018	80	LMA	LAB DUPLICATE	ns	ns	2e
F32	30 Aug 2018	80	LMA	LAB DUPLICATE	ns	ns	8e
F34	30 Aug 2018	60	LMA	LAB DUPLICATE	ns	ns	2e

ns = not sampled

ND = no data

