SD Public Utilities

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

## POINT LOMA METROPOLITAN WASTEWATER TREATMENT PLANT

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

# MAY 2017

Environmental Monitoring and Technical Services
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101
Tel (619) 758-2300 Fax (619) 758-2309

CERTIFIED
Public Utilities Department
Continual Improvement, Prevention of Pollution, Regulatory Compliance
ISO 14001

The City of
SAN DIEGO
**Public Utilities Department**
Environmental Monitoring & Technical Services Division

June 30, 2017

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 May 2017 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2009-0001, NPDES Permit No. CA0107409.

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

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

Sincerely,

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

TS/gfw

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

2392 Kincaid Road, MS 45A
San Diego, CA 92101

T (619) 758-2300
F (619) 758-2309
sandiego.gov

# REPORT OUTLINE

**INTRODUCTION**
**METHODS**
**SUMMARY OF RESULTS**
**TABLES AND FIGURES**
**Station Locations (Map)**
**Shore Stations**

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

**Kelp Stations**

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

**Offshore Stations**

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

**APPENDIX A**
**Quality Assurance**

- Water Quality Summary Data

## INTRODUCTION

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

## MATERIALS AND METHODS

### *Shore Stations*

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

### *Kelp Bed Stations*

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

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

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

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

***Offshore Stations***

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

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

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

***Bacteriological Reporting and Quality Assurance***

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

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

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

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

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

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

Single Sample Maximums:

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2017 Quality Assurance Report, which will be completed in March 2018.

## SUMMARY OF RESULTS

***Shore Stations***

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

***Kelp Bed Stations***

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled five times during May (i.e. May 1, 11, 19, 25, 30).
- During May, all of the kelp bed stations were in compliance with various water-contact standard specified in the Ocean Plan.
- Water column temperatures ranged from 10.49 to 18.04°C during the month. The difference between surface and bottom waters ranged from 2.36 to 7.07°C, indicating that the water column was stratified at all of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.25 to 15.79 µg/L during May, suggesting the presence of phytoplankton blooms during the month.

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

***Offshore Stations***

- Quarterly offshore water quality sampling was conducted on May 22, 23, and 24.
- During May, 3 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*:
    - The single sample maximum (SSM) standard for *Enterococcus* was exceeded at stations F18, F19, and F20 at one depth on May 23.
- All but 2 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F21, and F30, which exceeded the single sample maximum for *Enterococcus* at one or more depths on May 23 and 22, respectively.
- During May, water column temperatures ranged from 9.56 to 19.34°C. The difference between surface and bottom waters ranged from 0.01 to 5.44°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0 to 58.96 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Ammonia (as nitrogen) values at the 15 stations located in State waters were ≤0.01 mg/L at the offshore stations during the month.
- Nothing of sewage origin was observed at any of the offshore stations.

# TABLES AND FIGURES

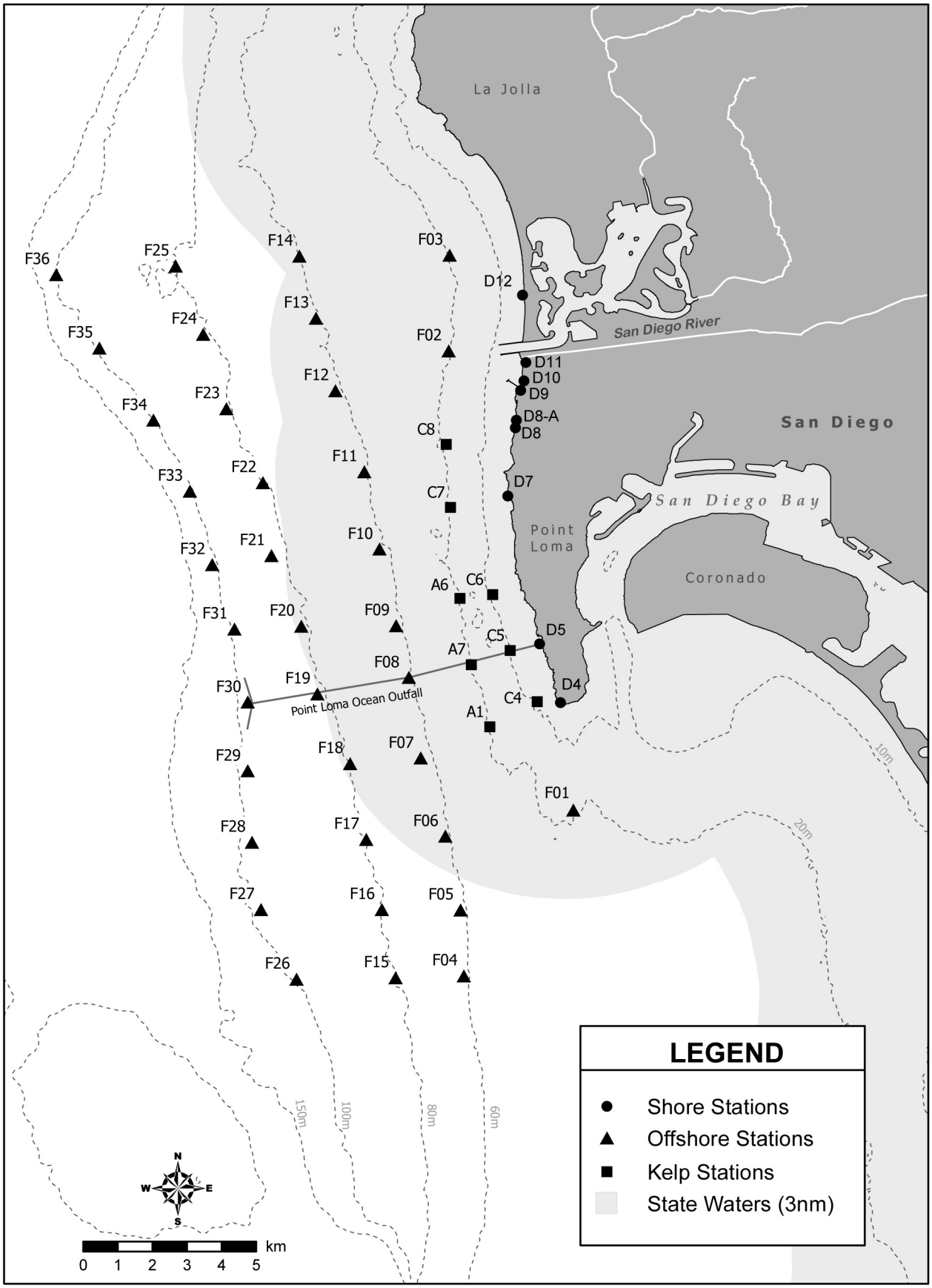


**Figure 1.1** Station Map

This page intentionally left blank

# Shore Stations

**Table 2.1**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | 8 | 16 | 13 | 23 | 13 | 14 | 13 | 5 |
| 02 May 2017 | 8 | 16 | 13 | 23 | 13 | 14 | 13 | 5 |
| 03 May 2017 | 8 | 16 | 13 | 23 | 13 | 14 | 13 | 5 |
| 04 May 2017 | 8 | 16 | 13 | 23 | 13 | 14 | 13 | 5 |
| 05 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 06 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 07 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 08 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 09 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 10 May 2017 | 8 | 11 | 10 | 14 | 11 | 14 | 14 | 5 |
| 11 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 12 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 13 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 14 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 15 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 16 May 2017 | 8 | 9 | 10 | 9 | 13 | 23 | 29 | 8 |
| 17 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 18 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 19 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 20 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 21 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 22 May 2017 | 8 | 14 | 16 | 13 | 21 | 42 | 45 | 8 |
| 23 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 24 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 25 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 26 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 27 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 28 May 2017 | 8 | 26 | 16 | 14 | 26 | 66 | 45 | 8 |
| 29 May 2017 | 6* | 36 | 16 | 14 | 30 | 76 | 45 | 8 |
| 30 May 2017 | 5 | 36 | 16 | 14 | 30 | 76 | 45 | 8 |
| 31 May 2017 | 5 | 36 | 16 | 14 | 30 | 76 | 45 | 8 |

* Geometric mean calculated using n<5

**Table 2.2**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 02 May 2017 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 03 May 2017 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 04 May 2017 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 05 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 06 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 07 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 08 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 09 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 10 May 2017 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| 11 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 12 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 13 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 14 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 15 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 16 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 17 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 18 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 19 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 20 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 21 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 22 May 2017 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 |
| 23 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 24 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 25 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 26 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 27 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 28 May 2017 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 29 May 2017 | 2* | 2 | 2 | 4 | 2 | 3 | 3 | 2 |
| 30 May 2017 | 2 | 2 | 2 | 4 | 2 | 3 | 3 | 2 |
| 31 May 2017 | 2 | 2 | 2 | 4 | 2 | 3 | 3 | 2 |

* Geometric mean calculated using n<5

**Table 2.3**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 |
| 02 May 2017 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 |
| 03 May 2017 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 |
| 04 May 2017 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 |
| 05 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 06 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 07 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 08 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 09 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 10 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 11 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 12 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 13 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 14 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 15 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 16 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 17 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 18 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 19 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 20 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 21 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 22 May 2017 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 2 |
| 23 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 24 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 25 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 26 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 27 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 28 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 29 May 2017 | 2* | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 30 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |
| 31 May 2017 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 2 |

* Geometric mean calculated using n<5

**Table 2.4**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 05 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 17 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 23 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 29 May 2017 | ns | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | ns | ns | ns | ns | ns | ns | ns |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 2.5**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 05 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 17 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 23 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 29 May 2017 | ns | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | ns | ns | ns | ns | ns | ns | ns |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 2.6**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 05 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 17 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 23 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 29 May 2017 | ns | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | ns | ns | ns | ns | ns | ns | ns |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 2.7**

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

| Date | D4 | D5 | D7 | D8-A | D9 | D10 | D11 | D12 |
|---|---|---|---|---|---|---|---|---|
| 05 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 17 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 23 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 29 May 2017 | ns | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | ns | ns | ns | ns | ns | ns | ns |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 2.8**

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

| Station | Date | Time | Total | Fecal | Entero | F:T |
|---|---|---|---|---|---|---|
| D4 | 05 May 2017 | 823 | 2e | <2 | <2 | 1.000 |
| D4 | 11 May 2017 | 850 | 20e | <2 | <2 | 0.100 |
| D4 | 17 May 2017 | 855 | <2 | <2 | <2 | 1.000 |
| D4 | 23 May 2017 | 857 | <20 | <2 | <2 | 0.100 |
| D4 | 30 May 2017 | 829 | <2 | <2 | <2 | 1.000 |
| D5 | 05 May 2017 | 807 | 4e | <2 | <2 | 0.500 |
| D5 | 11 May 2017 | 912 | 20e | <2 | <2 | 0.100 |
| D5 | 17 May 2017 | 836 | <20 | <2 | <2 | 0.100 |
| D5 | 23 May 2017 | 922 | 400e | <2 | <2 | 0.005 |
| D5 | 29 May 2017 | 956 | 100e | <2 | <2 | 0.020 |
| D7 | 05 May 2017 | 856 | 6e | <2 | <2 | 0.333 |
| D7 | 11 May 2017 | 822 | <20 | <2 | <2 | 0.100 |
| D7 | 17 May 2017 | 950 | <20 | <2 | <2 | 0.100 |
| D7 | 23 May 2017 | 712 | <20 | <2 | 4e | 0.100 |
| D7 | 29 May 2017 | 1106 | <20 | <2 | 50 | 0.100 |
| D8-A | 05 May 2017 | 908 | <2 | <2 | <2 | 1.000 |
| D8-A | 11 May 2017 | 644 | 20e | <2 | <2 | 0.100 |
| D8-A | 17 May 2017 | 1006 | <20 | <2 | <2 | 0.100 |
| D8-A | 23 May 2017 | 650 | 40e | 12e | 10e | 0.300 |
| D8-A | 29 May 2017 | 1125 | 20e | 8e | <2 | 0.400 |
| D9 | 05 May 2017 | 922 | 8e | <2 | 10e | 0.250 |
| D9 | 11 May 2017 | 802 | 60e | <2 | <2 | 0.033 |
| D9 | 17 May 2017 | 1016 | <20 | <2 | <2 | 0.100 |
| D9 | 23 May 2017 | 820 | 60e | <2 | <2 | 0.033 |
| D9 | 29 May 2017 | 1154 | 40e | <2 | 2e | 0.050 |
| D10 | 05 May 2017 | 931 | <20 | 4e | <2 | 0.200 |
| D10 | 11 May 2017 | 747 | <200 | 2e | 4e | 0.010 |
| D10 | 17 May 2017 | 1028 | 40e | 4e | 2e | 0.100 |
| D10 | 23 May 2017 | 807 | 200e | 2e | <2 | 0.010 |
| D10 | 29 May 2017 | 1238 | 80e | <2 | 2e | 0.025 |
| D11 | 05 May 2017 | 942 | 40e | 8e | 10e | 0.200 |
| D11 | 11 May 2017 | 735 | 600e | 4e | 4e | 0.007 |
| D11 | 17 May 2017 | 1037 | <20 | 2e | <2 | 0.100 |
| D11 | 23 May 2017 | 756 | 20e | <2 | 6e | 0.100 |
| D11 | 29 May 2017 | 1254 | 20e | 4e | <2 | 0.200 |

| Station | Date | Time | Total | Fecal | Entero | F:T |
|---|---|---|---|---|---|---|
| D12 | 05 May 2017 | 1002 | <2 | <2 | <2 | 1.000 |
| D12 | 11 May 2017 | 714 | <20 | <2 | <2 | 0.100 |
| D12 | 17 May 2017 | 1059 | <2 | <2 | <2 | 1.000 |
| D12 | 23 May 2017 | 740 | <20 | <2 | <2 | 0.100 |
| D12 | 29 May 2017 | 1314 | <20 | <2 | <2 | 0.100 |

ns = not sampled
ND = no data

**Comments**

| Station | Date | Depth | Parameter | Comments |
|---|---|---|---|---|
| D4 | 29 May 2017 | | | Unable to access D4 site on 5/29/17 thus the D4 site was sampled the following day |

**Table 2.9**

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

| Station | Date | Parameter | Value |
|---|---|---|---|
| D4 | 05 May 2017 | Arrive Time | 823 |
| D4 | 05 May 2017 | Weather | Cloudy |
| D4 | 05 May 2017 | Wind Speed (kts) | 3.6 |
| D4 | 05 May 2017 | Wind Dir | N |
| D4 | 05 May 2017 | Animal Life | None |
| D4 | 05 May 2017 | Floatables | None |
| D4 | 05 May 2017 | Water Color | Green |
| D4 | 05 May 2017 | Current Direction | N |
| D4 | 05 May 2017 | Wave Height Low (ft) | 1 |
| D4 | 05 May 2017 | High Tide (ft) | 4.2 |
| D4 | 05 May 2017 | High Tide Time | 615 |
| D4 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D4 | 05 May 2017 | Low Tide Time | 1248 |
| D4 | 05 May 2017 | Comments | Algae; Water clear |
| | | | |
| D4 | 11 May 2017 | Arrive Time | 850 |
| D4 | 11 May 2017 | Weather | Sunny |
| D4 | 11 May 2017 | Wind Speed (kts) | 3 |
| D4 | 11 May 2017 | Wind Dir | W |
| D4 | 11 May 2017 | Animal Life | None |
| D4 | 11 May 2017 | Floatables | None |
| D4 | 11 May 2017 | Water Color | Green |
| D4 | 11 May 2017 | Current Direction | W |
| D4 | 11 May 2017 | Wave Height Low (ft) | 3 |
| D4 | 11 May 2017 | High Tide (ft) | 3.8 |
| D4 | 11 May 2017 | High Tide Time | 1031 |
| D4 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D4 | 11 May 2017 | Low Tide Time | 425 |
| D4 | 11 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D4 | 17 May 2017 | Arrive Time | 855 |
| D4 | 17 May 2017 | Weather | Partly Cloudy |
| D4 | 17 May 2017 | Wind Speed (kts) | 5 |
| D4 | 17 May 2017 | Wind Dir | S |
| D4 | 17 May 2017 | Animal Life | None |
| D4 | 17 May 2017 | Floatables | None |
| D4 | 17 May 2017 | Water Color | Green |
| D4 | 17 May 2017 | Current Direction | S |
| D4 | 17 May 2017 | Wave Height Low (ft) | 1 |
| D4 | 17 May 2017 | High Tide (ft) | 3.3 |
| D4 | 17 May 2017 | High Tide Time | 1608 |
| D4 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D4 | 17 May 2017 | Low Tide Time | 854 |
| D4 | 17 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D4 | 23 May 2017 | Arrive Time | 857 |
| D4 | 23 May 2017 | Weather | Cloudy |
| D4 | 23 May 2017 | Wind Speed (kts) | 4 |
| D4 | 23 May 2017 | Wind Dir | W |
| D4 | 23 May 2017 | Animal Life | None |
| D4 | 23 May 2017 | Floatables | None |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D4 | 23 May 2017 | Water Color | Green |
| D4 | 23 May 2017 | Current Direction | W |
| D4 | 23 May 2017 | Wave Height Low (ft) | 3 |
| D4 | 23 May 2017 | High Tide (ft) | 4.3 |
| D4 | 23 May 2017 | High Tide Time | 806 |
| D4 | 23 May 2017 | Low Tide (ft) | 0.6 |
| D4 | 23 May 2017 | Low Tide Time | 1352 |
| D4 | 23 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid |
| | | | |
| D4 | 30 May 2017 | Arrive Time | 829 |
| D4 | 30 May 2017 | Weather | Cloudy |
| D4 | 30 May 2017 | Wind Speed (kts) | 2.2 |
| D4 | 30 May 2017 | Wind Dir | W |
| D4 | 30 May 2017 | Animal Life | None |
| D4 | 30 May 2017 | Floatables | None |
| D4 | 30 May 2017 | Water Color | Green |
| D4 | 30 May 2017 | Current Direction | N |
| D4 | 30 May 2017 | Wave Height Low (ft) | 2 |
| D4 | 30 May 2017 | High Tide (ft) | 3.9 |
| D4 | 30 May 2017 | High Tide Time | 1456 |
| D4 | 30 May 2017 | Low Tide (ft) | -0.5 |
| D4 | 30 May 2017 | Low Tide Time | 805 |
| D4 | 30 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D5 | 05 May 2017 | Arrive Time | 807 |
| D5 | 05 May 2017 | Weather | Cloudy |
| D5 | 05 May 2017 | Wind Speed (kts) | 2.1 |
| D5 | 05 May 2017 | Wind Dir | SW |
| D5 | 05 May 2017 | Animal Life | None |
| D5 | 05 May 2017 | Floatables | None |
| D5 | 05 May 2017 | Water Color | Green |
| D5 | 05 May 2017 | Current Direction | SW |
| D5 | 05 May 2017 | Wave Height Low (ft) | 1 |
| D5 | 05 May 2017 | High Tide (ft) | 4.2 |
| D5 | 05 May 2017 | High Tide Time | 615 |
| D5 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D5 | 05 May 2017 | Low Tide Time | 1248 |
| D5 | 05 May 2017 | Comments | Kelp; Water clear |
| | | | |
| D5 | 11 May 2017 | Arrive Time | 912 |
| D5 | 11 May 2017 | Weather | Sunny |
| D5 | 11 May 2017 | Wind Speed (kts) | 3 |
| D5 | 11 May 2017 | Wind Dir | W |
| D5 | 11 May 2017 | Animal Life | None |
| D5 | 11 May 2017 | Floatables | None |
| D5 | 11 May 2017 | Water Color | Green |
| D5 | 11 May 2017 | Current Direction | W |
| D5 | 11 May 2017 | Wave Height Low (ft) | 4 |
| D5 | 11 May 2017 | High Tide (ft) | 3.8 |
| D5 | 11 May 2017 | High Tide Time | 1031 |
| D5 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D5 | 11 May 2017 | Low Tide Time | 425 |
| D5 | 11 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid |
| | | | |
| D5 | 17 May 2017 | Arrive Time | 836 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D5 | 17 May 2017 | Weather | Partly Cloudy |
| D5 | 17 May 2017 | Wind Speed (kts) | 2.5 |
| D5 | 17 May 2017 | Wind Dir | S |
| D5 | 17 May 2017 | Animal Life | None |
| D5 | 17 May 2017 | Floatables | None |
| D5 | 17 May 2017 | Water Color | Brown |
| D5 | 17 May 2017 | Current Direction | S |
| D5 | 17 May 2017 | Wave Height Low (ft) | 1 |
| D5 | 17 May 2017 | High Tide (ft) | 3.3 |
| D5 | 17 May 2017 | High Tide Time | 1608 |
| D5 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D5 | 17 May 2017 | Low Tide Time | 854 |
| D5 | 17 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D5 | 23 May 2017 | Arrive Time | 922 |
| D5 | 23 May 2017 | Weather | Cloudy |
| D5 | 23 May 2017 | Wind Speed (kts) | 4 |
| D5 | 23 May 2017 | Wind Dir | W |
| D5 | 23 May 2017 | Animal Life | None |
| D5 | 23 May 2017 | Floatables | None |
| D5 | 23 May 2017 | Water Color | Green |
| D5 | 23 May 2017 | Current Direction | W |
| D5 | 23 May 2017 | Wave Height Low (ft) | 3 |
| D5 | 23 May 2017 | High Tide (ft) | 4.3 |
| D5 | 23 May 2017 | High Tide Time | 806 |
| D5 | 23 May 2017 | Low Tide (ft) | 0.6 |
| D5 | 23 May 2017 | Low Tide Time | 1352 |
| D5 | 23 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid |
| | | | |
| D5 | 29 May 2017 | Arrive Time | 956 |
| D5 | 29 May 2017 | Weather | Drizzle |
| D5 | 29 May 2017 | Wind Speed (kts) | 0.5 |
| D5 | 29 May 2017 | Wind Dir | NW |
| D5 | 29 May 2017 | Animal Life | None |
| D5 | 29 May 2017 | Floatables | None |
| D5 | 29 May 2017 | Water Color | Blue |
| D5 | 29 May 2017 | Current Direction | NW |
| D5 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D5 | 29 May 2017 | High Tide (ft) | 3.9 |
| D5 | 29 May 2017 | High Tide Time | 1344 |
| D5 | 29 May 2017 | Low Tide (ft) | -1 |
| D5 | 29 May 2017 | Low Tide Time | 705 |
| D5 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 1 Boat; Water clear |
| | | | |
| D7 | 05 May 2017 | Arrive Time | 856 |
| D7 | 05 May 2017 | Weather | Cloudy |
| D7 | 05 May 2017 | Wind Speed (kts) | 1.5 |
| D7 | 05 May 2017 | Wind Dir | S |
| D7 | 05 May 2017 | Animal Life | None |
| D7 | 05 May 2017 | Floatables | None |
| D7 | 05 May 2017 | Water Color | Green |
| D7 | 05 May 2017 | Current Direction | S |
| D7 | 05 May 2017 | Wave Height Low (ft) | 2 |
| D7 | 05 May 2017 | High Tide (ft) | 4.2 |
| D7 | 05 May 2017 | High Tide Time | 615 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D7 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D7 | 05 May 2017 | Low Tide Time | 1248 |
| D7 | 05 May 2017 | Comments | Seagrass; Algae; 3 Persons; 6 Surfers; Water clear |
| | | | |
| D7 | 11 May 2017 | Arrive Time | 822 |
| D7 | 11 May 2017 | Weather | Sunny |
| D7 | 11 May 2017 | Wind Speed (kts) | 3 |
| D7 | 11 May 2017 | Wind Dir | W |
| D7 | 11 May 2017 | Animal Life | None |
| D7 | 11 May 2017 | Floatables | None |
| D7 | 11 May 2017 | Water Color | Green |
| D7 | 11 May 2017 | Current Direction | W |
| D7 | 11 May 2017 | Wave Height Low (ft) | 3 |
| D7 | 11 May 2017 | High Tide (ft) | 3.8 |
| D7 | 11 May 2017 | High Tide Time | 1031 |
| D7 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D7 | 11 May 2017 | Low Tide Time | 425 |
| D7 | 11 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid |
| | | | |
| D7 | 17 May 2017 | Arrive Time | 950 |
| D7 | 17 May 2017 | Weather | Cloudy |
| D7 | 17 May 2017 | Wind Speed (kts) | 3.8 |
| D7 | 17 May 2017 | Wind Dir | NW |
| D7 | 17 May 2017 | Animal Life | None |
| D7 | 17 May 2017 | Floatables | None |
| D7 | 17 May 2017 | Water Color | Green |
| D7 | 17 May 2017 | Current Direction | NW |
| D7 | 17 May 2017 | Wave Height Low (ft) | 1 |
| D7 | 17 May 2017 | High Tide (ft) | 3.3 |
| D7 | 17 May 2017 | High Tide Time | 1608 |
| D7 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D7 | 17 May 2017 | Low Tide Time | 854 |
| D7 | 17 May 2017 | Comments | Kelp; Seagrass; Algae; 3 Persons; Water clear |
| | | | |
| D7 | 23 May 2017 | Arrive Time | 712 |
| D7 | 23 May 2017 | Weather | Cloudy |
| D7 | 23 May 2017 | Wind Speed (kts) | 2 |
| D7 | 23 May 2017 | Wind Dir | W |
| D7 | 23 May 2017 | Animal Life | None |
| D7 | 23 May 2017 | Floatables | None |
| D7 | 23 May 2017 | Water Color | Green |
| D7 | 23 May 2017 | Current Direction | W |
| D7 | 23 May 2017 | Wave Height Low (ft) | 4 |
| D7 | 23 May 2017 | High Tide (ft) | 4.3 |
| D7 | 23 May 2017 | High Tide Time | 806 |
| D7 | 23 May 2017 | Low Tide (ft) | -0.2 |
| D7 | 23 May 2017 | Low Tide Time | 209 |
| D7 | 23 May 2017 | Comments | Kelp; Seagrass; Algae; 5 Surfers; Water turbid |
| | | | |
| D7 | 29 May 2017 | Arrive Time | 1106 |
| D7 | 29 May 2017 | Weather | Drizzle |
| D7 | 29 May 2017 | Wind Speed (kts) | 0.7 |
| D7 | 29 May 2017 | Wind Dir | NW |
| D7 | 29 May 2017 | Animal Life | None |
| D7 | 29 May 2017 | Floatables | None |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D7 | 29 May 2017 | Water Color | Blue |
| D7 | 29 May 2017 | Current Direction | NW |
| D7 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D7 | 29 May 2017 | High Tide (ft) | 3.9 |
| D7 | 29 May 2017 | High Tide Time | 1344 |
| D7 | 29 May 2017 | Low Tide (ft) | -1 |
| D7 | 29 May 2017 | Low Tide Time | 705 |
| D7 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 7 Surfers; 1 Boat; Water clear |
| | | | |
| D8-A | 05 May 2017 | Arrive Time | 908 |
| D8-A | 05 May 2017 | Weather | Cloudy |
| D8-A | 05 May 2017 | Wind Speed (kts) | 1.1 |
| D8-A | 05 May 2017 | Wind Dir | SW |
| D8-A | 05 May 2017 | Animal Life | None |
| D8-A | 05 May 2017 | Floatables | None |
| D8-A | 05 May 2017 | Water Color | Green |
| D8-A | 05 May 2017 | Current Direction | SW |
| D8-A | 05 May 2017 | Wave Height Low (ft) | 2 |
| D8-A | 05 May 2017 | High Tide (ft) | 4.2 |
| D8-A | 05 May 2017 | High Tide Time | 615 |
| D8-A | 05 May 2017 | Low Tide (ft) | 0.2 |
| D8-A | 05 May 2017 | Low Tide Time | 1248 |
| D8-A | 05 May 2017 | Comments | Algae; Water clear |
| | | | |
| D8-A | 11 May 2017 | Arrive Time | 644 |
| D8-A | 11 May 2017 | Weather | Sunny |
| D8-A | 11 May 2017 | Wind Speed (kts) | 4 |
| D8-A | 11 May 2017 | Wind Dir | W |
| D8-A | 11 May 2017 | Animal Life | None |
| D8-A | 11 May 2017 | Floatables | None |
| D8-A | 11 May 2017 | Water Color | Colorless |
| D8-A | 11 May 2017 | Current Direction | W |
| D8-A | 11 May 2017 | Wave Height Low (ft) | 1 |
| D8-A | 11 May 2017 | High Tide (ft) | 3.8 |
| D8-A | 11 May 2017 | High Tide Time | 1031 |
| D8-A | 11 May 2017 | Low Tide (ft) | -0.4 |
| D8-A | 11 May 2017 | Low Tide Time | 425 |
| D8-A | 11 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D8-A | 17 May 2017 | Arrive Time | 1006 |
| D8-A | 17 May 2017 | Weather | Cloudy |
| D8-A | 17 May 2017 | Wind Speed (kts) | 2.9 |
| D8-A | 17 May 2017 | Wind Dir | S |
| D8-A | 17 May 2017 | Animal Life | None |
| D8-A | 17 May 2017 | Floatables | None |
| D8-A | 17 May 2017 | Water Color | Green |
| D8-A | 17 May 2017 | Current Direction | S |
| D8-A | 17 May 2017 | Wave Height Low (ft) | 1 |
| D8-A | 17 May 2017 | High Tide (ft) | 3.3 |
| D8-A | 17 May 2017 | High Tide Time | 1608 |
| D8-A | 17 May 2017 | Low Tide (ft) | 0.5 |
| D8-A | 17 May 2017 | Low Tide Time | 854 |
| D8-A | 17 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D8-A | 23 May 2017 | Arrive Time | 650 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D8-A | 23 May 2017 | Weather | Cloudy |
| D8-A | 23 May 2017 | Wind Speed (kts) | 2 |
| D8-A | 23 May 2017 | Wind Dir | W |
| D8-A | 23 May 2017 | Animal Life | None |
| D8-A | 23 May 2017 | Floatables | None |
| D8-A | 23 May 2017 | Water Color | Green |
| D8-A | 23 May 2017 | Current Direction | W |
| D8-A | 23 May 2017 | Wave Height Low (ft) | 3 |
| D8-A | 23 May 2017 | High Tide (ft) | 4.3 |
| D8-A | 23 May 2017 | High Tide Time | 806 |
| D8-A | 23 May 2017 | Low Tide (ft) | -0.2 |
| D8-A | 23 May 2017 | Low Tide Time | 209 |
| D8-A | 23 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D8-A | 29 May 2017 | Arrive Time | 1125 |
| D8-A | 29 May 2017 | Weather | Drizzle |
| D8-A | 29 May 2017 | Wind Speed (kts) | 0.9 |
| D8-A | 29 May 2017 | Wind Dir | NW |
| D8-A | 29 May 2017 | Animal Life | None |
| D8-A | 29 May 2017 | Floatables | None |
| D8-A | 29 May 2017 | Water Color | Blue |
| D8-A | 29 May 2017 | Current Direction | NW |
| D8-A | 29 May 2017 | Wave Height Low (ft) | 3 |
| D8-A | 29 May 2017 | High Tide (ft) | 3.9 |
| D8-A | 29 May 2017 | High Tide Time | 1344 |
| D8-A | 29 May 2017 | Low Tide (ft) | -1 |
| D8-A | 29 May 2017 | Low Tide Time | 705 |
| D8-A | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 2 Persons; 4 Surfers; 1 Boat; 1 Swimmer; Water clear |
| | | | |
| D9 | 05 May 2017 | Arrive Time | 922 |
| D9 | 05 May 2017 | Weather | Cloudy |
| D9 | 05 May 2017 | Wind Speed (kts) | 0.7 |
| D9 | 05 May 2017 | Wind Dir | SW |
| D9 | 05 May 2017 | Animal Life | None |
| D9 | 05 May 2017 | Floatables | None |
| D9 | 05 May 2017 | Water Color | Green |
| D9 | 05 May 2017 | Current Direction | SW |
| D9 | 05 May 2017 | Wave Height Low (ft) | 1 |
| D9 | 05 May 2017 | High Tide (ft) | 4.2 |
| D9 | 05 May 2017 | High Tide Time | 615 |
| D9 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D9 | 05 May 2017 | Low Tide Time | 1248 |
| D9 | 05 May 2017 | Comments | Kelp; Seagrass; Algae; Water clear |
| | | | |
| D9 | 11 May 2017 | Arrive Time | 802 |
| D9 | 11 May 2017 | Weather | Sunny |
| D9 | 11 May 2017 | Wind Speed (kts) | 3 |
| D9 | 11 May 2017 | Wind Dir | W |
| D9 | 11 May 2017 | Animal Life | None |
| D9 | 11 May 2017 | Floatables | None |
| D9 | 11 May 2017 | Water Color | Colorless |
| D9 | 11 May 2017 | Current Direction | W |
| D9 | 11 May 2017 | Wave Height Low (ft) | 2 |
| D9 | 11 May 2017 | High Tide (ft) | 3.8 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D9 | 11 May 2017 | High Tide Time | 1031 |
| D9 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D9 | 11 May 2017 | Low Tide Time | 425 |
| D9 | 11 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid; Red algae |
| | | | |
| D9 | 17 May 2017 | Arrive Time | 1016 |
| D9 | 17 May 2017 | Weather | Cloudy |
| D9 | 17 May 2017 | Wind Speed (kts) | 5 |
| D9 | 17 May 2017 | Wind Dir | S |
| D9 | 17 May 2017 | Animal Life | None |
| D9 | 17 May 2017 | Floatables | None |
| D9 | 17 May 2017 | Water Color | Green |
| D9 | 17 May 2017 | Current Direction | S |
| D9 | 17 May 2017 | Wave Height Low (ft) | 2 |
| D9 | 17 May 2017 | High Tide (ft) | 3.3 |
| D9 | 17 May 2017 | High Tide Time | 1608 |
| D9 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D9 | 17 May 2017 | Low Tide Time | 854 |
| D9 | 17 May 2017 | Comments | Seagrass; Algae; Water clear |
| | | | |
| D9 | 23 May 2017 | Arrive Time | 820 |
| D9 | 23 May 2017 | Weather | Cloudy |
| D9 | 23 May 2017 | Wind Speed (kts) | 4 |
| D9 | 23 May 2017 | Wind Dir | W |
| D9 | 23 May 2017 | Animal Life | None |
| D9 | 23 May 2017 | Floatables | None |
| D9 | 23 May 2017 | Water Color | Green |
| D9 | 23 May 2017 | Current Direction | W |
| D9 | 23 May 2017 | Wave Height Low (ft) | 4 |
| D9 | 23 May 2017 | High Tide (ft) | 4.3 |
| D9 | 23 May 2017 | High Tide Time | 806 |
| D9 | 23 May 2017 | Low Tide (ft) | 0.6 |
| D9 | 23 May 2017 | Low Tide Time | 1352 |
| D9 | 23 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D9 | 29 May 2017 | Arrive Time | 1154 |
| D9 | 29 May 2017 | Weather | Drizzle |
| D9 | 29 May 2017 | Wind Speed (kts) | 1.5 |
| D9 | 29 May 2017 | Wind Dir | NW |
| D9 | 29 May 2017 | Animal Life | None |
| D9 | 29 May 2017 | Floatables | None |
| D9 | 29 May 2017 | Water Color | Blue |
| D9 | 29 May 2017 | Current Direction | NW |
| D9 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D9 | 29 May 2017 | High Tide (ft) | 3.9 |
| D9 | 29 May 2017 | High Tide Time | 1344 |
| D9 | 29 May 2017 | Low Tide (ft) | -1 |
| D9 | 29 May 2017 | Low Tide Time | 705 |
| D9 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 4 Persons; Water clear; One paddle boarder |
| | | | |
| D10 | 05 May 2017 | Arrive Time | 931 |
| D10 | 05 May 2017 | Weather | Cloudy |
| D10 | 05 May 2017 | Wind Speed (kts) | 2.3 |
| D10 | 05 May 2017 | Wind Dir | W |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D10 | 05 May 2017 | Animal Life | None |
| D10 | 05 May 2017 | Floatables | None |
| D10 | 05 May 2017 | Water Color | Green |
| D10 | 05 May 2017 | Current Direction | W |
| D10 | 05 May 2017 | Wave Height Low (ft) | 3 |
| D10 | 05 May 2017 | High Tide (ft) | 4.2 |
| D10 | 05 May 2017 | High Tide Time | 615 |
| D10 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D10 | 05 May 2017 | Low Tide Time | 1248 |
| D10 | 05 May 2017 | Comments | Kelp; Seagrass; 1 Jogger; 2 Persons; 4 Surfers; Water clear |
| | | | |
| D10 | 11 May 2017 | Arrive Time | 747 |
| D10 | 11 May 2017 | Weather | Sunny |
| D10 | 11 May 2017 | Wind Speed (kts) | 3 |
| D10 | 11 May 2017 | Wind Dir | W |
| D10 | 11 May 2017 | Animal Life | None |
| D10 | 11 May 2017 | Floatables | None |
| D10 | 11 May 2017 | Water Color | Green |
| D10 | 11 May 2017 | Current Direction | W |
| D10 | 11 May 2017 | Wave Height Low (ft) | 2 |
| D10 | 11 May 2017 | High Tide (ft) | 3.8 |
| D10 | 11 May 2017 | High Tide Time | 1031 |
| D10 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D10 | 11 May 2017 | Low Tide Time | 425 |
| D10 | 11 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D10 | 17 May 2017 | Arrive Time | 1028 |
| D10 | 17 May 2017 | Weather | Cloudy |
| D10 | 17 May 2017 | Wind Speed (kts) | 4.4 |
| D10 | 17 May 2017 | Wind Dir | S |
| D10 | 17 May 2017 | Animal Life | None |
| D10 | 17 May 2017 | Floatables | None |
| D10 | 17 May 2017 | Water Color | Green |
| D10 | 17 May 2017 | Current Direction | S |
| D10 | 17 May 2017 | Wave Height Low (ft) | 2 |
| D10 | 17 May 2017 | High Tide (ft) | 3.3 |
| D10 | 17 May 2017 | High Tide Time | 1608 |
| D10 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D10 | 17 May 2017 | Low Tide Time | 854 |
| D10 | 17 May 2017 | Comments | Kelp; Seagrass; 2 Surfers; Water clear |
| | | | |
| D10 | 23 May 2017 | Arrive Time | 807 |
| D10 | 23 May 2017 | Weather | Cloudy |
| D10 | 23 May 2017 | Wind Speed (kts) | 3 |
| D10 | 23 May 2017 | Wind Dir | W |
| D10 | 23 May 2017 | Animal Life | None |
| D10 | 23 May 2017 | Floatables | None |
| D10 | 23 May 2017 | Water Color | Green |
| D10 | 23 May 2017 | Current Direction | W |
| D10 | 23 May 2017 | Wave Height Low (ft) | 4 |
| D10 | 23 May 2017 | High Tide (ft) | 4.3 |
| D10 | 23 May 2017 | High Tide Time | 806 |
| D10 | 23 May 2017 | Low Tide (ft) | 0.6 |
| D10 | 23 May 2017 | Low Tide Time | 1352 |
| D10 | 23 May 2017 | Comments | Kelp; Seagrass; 7 Surfers; Water turbid |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D10 | 29 May 2017 | Arrive Time | 1238 |
| D10 | 29 May 2017 | Weather | Drizzle |
| D10 | 29 May 2017 | Wind Speed (kts) | 3.3 |
| D10 | 29 May 2017 | Wind Dir | NW |
| D10 | 29 May 2017 | Animal Life | None |
| D10 | 29 May 2017 | Floatables | None |
| D10 | 29 May 2017 | Water Color | Blue |
| D10 | 29 May 2017 | Current Direction | NW |
| D10 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D10 | 29 May 2017 | High Tide (ft) | 3.9 |
| D10 | 29 May 2017 | High Tide Time | 1344 |
| D10 | 29 May 2017 | Low Tide (ft) | -1 |
| D10 | 29 May 2017 | Low Tide Time | 705 |
| D10 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 5 Persons; Water clear |
| D11 | 05 May 2017 | Arrive Time | 942 |
| D11 | 05 May 2017 | Weather | Cloudy |
| D11 | 05 May 2017 | Wind Speed (kts) | 1.1 |
| D11 | 05 May 2017 | Wind Dir | W |
| D11 | 05 May 2017 | Animal Life | None |
| D11 | 05 May 2017 | Floatables | None |
| D11 | 05 May 2017 | Water Color | Green |
| D11 | 05 May 2017 | Current Direction | W |
| D11 | 05 May 2017 | Wave Height Low (ft) | 2 |
| D11 | 05 May 2017 | High Tide (ft) | 4.2 |
| D11 | 05 May 2017 | High Tide Time | 615 |
| D11 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D11 | 05 May 2017 | Low Tide Time | 1248 |
| D11 | 05 May 2017 | Comments | Algae; 4 Persons; Water clear |
| D11 | 11 May 2017 | Arrive Time | 735 |
| D11 | 11 May 2017 | Weather | Sunny |
| D11 | 11 May 2017 | Wind Speed (kts) | 3 |
| D11 | 11 May 2017 | Wind Dir | W |
| D11 | 11 May 2017 | Animal Life | None |
| D11 | 11 May 2017 | Floatables | None |
| D11 | 11 May 2017 | Water Color | Colorless |
| D11 | 11 May 2017 | Current Direction | W |
| D11 | 11 May 2017 | Wave Height Low (ft) | 2 |
| D11 | 11 May 2017 | High Tide (ft) | 3.8 |
| D11 | 11 May 2017 | High Tide Time | 1031 |
| D11 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D11 | 11 May 2017 | Low Tide Time | 425 |
| D11 | 11 May 2017 | Comments | Kelp; Seagrass; Algae; Water turbid |
| D11 | 17 May 2017 | Arrive Time | 1037 |
| D11 | 17 May 2017 | Weather | Cloudy |
| D11 | 17 May 2017 | Wind Speed (kts) | 4 |
| D11 | 17 May 2017 | Wind Dir | S |
| D11 | 17 May 2017 | Animal Life | None |
| D11 | 17 May 2017 | Floatables | None |
| D11 | 17 May 2017 | Water Color | Green |
| D11 | 17 May 2017 | Current Direction | S |
| D11 | 17 May 2017 | Wave Height Low (ft) | 2 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D11 | 17 May 2017 | High Tide (ft) | 3.3 |
| D11 | 17 May 2017 | High Tide Time | 1608 |
| D11 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D11 | 17 May 2017 | Low Tide Time | 854 |
| D11 | 17 May 2017 | Comments | Algae; 10 Persons; Water clear |
| | | | |
| D11 | 23 May 2017 | Arrive Time | 756 |
| D11 | 23 May 2017 | Weather | Cloudy |
| D11 | 23 May 2017 | Wind Speed (kts) | 2 |
| D11 | 23 May 2017 | Wind Dir | W |
| D11 | 23 May 2017 | Animal Life | None |
| D11 | 23 May 2017 | Floatables | None |
| D11 | 23 May 2017 | Water Color | Green |
| D11 | 23 May 2017 | Current Direction | W |
| D11 | 23 May 2017 | Wave Height Low (ft) | 3 |
| D11 | 23 May 2017 | High Tide (ft) | 4.3 |
| D11 | 23 May 2017 | High Tide Time | 806 |
| D11 | 23 May 2017 | Low Tide (ft) | -0.2 |
| D11 | 23 May 2017 | Low Tide Time | 209 |
| D11 | 23 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D11 | 29 May 2017 | Arrive Time | 1254 |
| D11 | 29 May 2017 | Weather | Drizzle |
| D11 | 29 May 2017 | Wind Speed (kts) | 1.3 |
| D11 | 29 May 2017 | Wind Dir | NW |
| D11 | 29 May 2017 | Animal Life | 6 Dogs; 1 Fish |
| D11 | 29 May 2017 | Floatables | None |
| D11 | 29 May 2017 | Water Color | Blue |
| D11 | 29 May 2017 | Current Direction | NW |
| D11 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D11 | 29 May 2017 | High Tide (ft) | 3.9 |
| D11 | 29 May 2017 | High Tide Time | 1344 |
| D11 | 29 May 2017 | Low Tide (ft) | -1 |
| D11 | 29 May 2017 | Low Tide Time | 705 |
| D11 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 10 Persons; Water clear |
| | | | |
| D12 | 05 May 2017 | Arrive Time | 1002 |
| D12 | 05 May 2017 | Weather | Cloudy |
| D12 | 05 May 2017 | Wind Speed (kts) | 1.9 |
| D12 | 05 May 2017 | Wind Dir | W |
| D12 | 05 May 2017 | Animal Life | None |
| D12 | 05 May 2017 | Floatables | None |
| D12 | 05 May 2017 | Water Color | Green |
| D12 | 05 May 2017 | Current Direction | W |
| D12 | 05 May 2017 | Wave Height Low (ft) | 2 |
| D12 | 05 May 2017 | High Tide (ft) | 4.2 |
| D12 | 05 May 2017 | High Tide Time | 615 |
| D12 | 05 May 2017 | Low Tide (ft) | 0.2 |
| D12 | 05 May 2017 | Low Tide Time | 1248 |
| D12 | 05 May 2017 | Comments | 10 Persons; Water clear |
| | | | |
| D12 | 11 May 2017 | Arrive Time | 714 |
| D12 | 11 May 2017 | Weather | Sunny |
| D12 | 11 May 2017 | Wind Speed (kts) | 3 |
| D12 | 11 May 2017 | Wind Dir | W |

| Station | Date | Parameter | Value |
|---|---|---|---|
| D12 | 11 May 2017 | Animal Life | None |
| D12 | 11 May 2017 | Floatables | None |
| D12 | 11 May 2017 | Water Color | Colorless |
| D12 | 11 May 2017 | Current Direction | W |
| D12 | 11 May 2017 | Wave Height Low (ft) | 2 |
| D12 | 11 May 2017 | High Tide (ft) | 3.8 |
| D12 | 11 May 2017 | High Tide Time | 1031 |
| D12 | 11 May 2017 | Low Tide (ft) | -0.4 |
| D12 | 11 May 2017 | Low Tide Time | 425 |
| D12 | 11 May 2017 | Comments | Kelp; Seagrass; 1 Jogger; Water clear |
| | | | |
| D12 | 17 May 2017 | Arrive Time | 1059 |
| D12 | 17 May 2017 | Weather | Cloudy |
| D12 | 17 May 2017 | Wind Speed (kts) | 4.6 |
| D12 | 17 May 2017 | Wind Dir | S |
| D12 | 17 May 2017 | Animal Life | None |
| D12 | 17 May 2017 | Floatables | None |
| D12 | 17 May 2017 | Water Color | Green |
| D12 | 17 May 2017 | Current Direction | S |
| D12 | 17 May 2017 | Wave Height Low (ft) | 1 |
| D12 | 17 May 2017 | High Tide (ft) | 3.3 |
| D12 | 17 May 2017 | High Tide Time | 1608 |
| D12 | 17 May 2017 | Low Tide (ft) | 0.5 |
| D12 | 17 May 2017 | Low Tide Time | 854 |
| D12 | 17 May 2017 | Comments | Seagrass; 4 Persons; Water clear |
| | | | |
| D12 | 23 May 2017 | Arrive Time | 740 |
| D12 | 23 May 2017 | Weather | Cloudy |
| D12 | 23 May 2017 | Wind Speed (kts) | 3 |
| D12 | 23 May 2017 | Wind Dir | W |
| D12 | 23 May 2017 | Animal Life | None |
| D12 | 23 May 2017 | Floatables | None |
| D12 | 23 May 2017 | Water Color | Green |
| D12 | 23 May 2017 | Current Direction | W |
| D12 | 23 May 2017 | Wave Height Low (ft) | 3 |
| D12 | 23 May 2017 | High Tide (ft) | 4.3 |
| D12 | 23 May 2017 | High Tide Time | 806 |
| D12 | 23 May 2017 | Low Tide (ft) | -0.2 |
| D12 | 23 May 2017 | Low Tide Time | 209 |
| D12 | 23 May 2017 | Comments | Kelp; Seagrass; Water turbid |
| | | | |
| D12 | 29 May 2017 | Arrive Time | 1314 |
| D12 | 29 May 2017 | Weather | Foggy |
| D12 | 29 May 2017 | Wind Speed (kts) | 1.1 |
| D12 | 29 May 2017 | Wind Dir | NW |
| D12 | 29 May 2017 | Animal Life | None |
| D12 | 29 May 2017 | Floatables | None |
| D12 | 29 May 2017 | Water Color | Blue |
| D12 | 29 May 2017 | Current Direction | NW |
| D12 | 29 May 2017 | Wave Height Low (ft) | 3 |
| D12 | 29 May 2017 | High Tide (ft) | 3.9 |
| D12 | 29 May 2017 | High Tide Time | 1344 |
| D12 | 29 May 2017 | Low Tide (ft) | 2.2 |
| D12 | 29 May 2017 | Low Tide Time | 1845 |
| D12 | 29 May 2017 | Comments | Kelp; Seagrass; Algae; 3 Boogie boarders |

This page intentionally left blank

# 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 May 2017 | 8 | 13 | 6 | 3 | 3 | 3 | 8 | 6 |
| 02 May 2017 | 8 | 13 | 6 | 3 | 3 | 3 | 8 | 6 |
| 03 May 2017 | 8 | 13 | 6 | 3 | 3 | 3 | 8 | 6 |
| 04 May 2017 | 8 | 13 | 6 | 3 | 3 | 3 | 8 | 6 |
| 05 May 2017 | 8 | 13 | 6 | 3 | 3 | 3 | 8 | 6 |
| 06 May 2017 | 10 | 13 | 8 | 4 | 3 | 3 | 7 | 5 |
| 07 May 2017 | 10 | 13 | 8 | 4 | 3 | 3 | 7 | 5 |
| 08 May 2017 | 10 | 13 | 8 | 4 | 3 | 3 | 7 | 5 |
| 09 May 2017 | 10 | 13 | 8 | 4 | 3 | 3 | 7 | 5 |
| 10 May 2017 | 15* | 8* | 11* | 4* | 3* | 3* | 6* | 6* |
| 11 May 2017 | 10 | 6 | 11 | 4 | 3 | 3 | 5 | 5 |
| 12 May 2017 | 10 | 6 | 11 | 4 | 3 | 3 | 5 | 5 |
| 13 May 2017 | 10 | 6 | 11 | 4 | 3 | 3 | 5 | 5 |
| 14 May 2017 | 6* | 8* | 11* | 4* | 3* | 2* | 5* | 4* |
| 15 May 2017 | 6* | 8* | 11* | 4* | 3* | 2* | 5* | 4* |
| 16 May 2017 | 6* | 8* | 11* | 4* | 3* | 2* | 5* | 4* |
| 17 May 2017 | 6* | 8* | 11* | 4* | 3* | 2* | 5* | 4* |
| 18 May 2017 | 6* | 8* | 11* | 4* | 3* | 2* | 5* | 4* |
| 19 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 20 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 21 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 22 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 23 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 24 May 2017 | 3* | 3* | 4* | 4* | 3* | 2* | 2* | 2* |
| 25 May 2017 | 2 | 4 | 5 | 3 | 3 | 3 | 3 | 3 |
| 26 May 2017 | 2* | 4* | 5* | 2* | 3* | 3* | 3* | 3* |
| 27 May 2017 | 2* | 4* | 5* | 2* | 3* | 3* | 3* | 3* |
| 28 May 2017 | 2* | 4* | 5* | 2* | 3* | 3* | 3* | 3* |
| 29 May 2017 | 2* | 4* | 5* | 2* | 3* | 3* | 3* | 3* |
| 30 May 2017 | 2 | 4 | 5 | 2 | 3 | 3 | 3 | 3 |
| 31 May 2017 | 3* | 5* | 7* | 2* | 3* | 3* | 3* | 3* |

* Geometric mean calculated using n<5

**Table 3.2**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 02 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 03 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 04 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 05 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 06 May 2017 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 07 May 2017 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 08 May 2017 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 09 May 2017 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 May 2017 | 3* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 11 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 13 May 2017 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 14 May 2017 | 2* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 15 May 2017 | 2* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 16 May 2017 | 2* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 17 May 2017 | 2* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 18 May 2017 | 2* | 3* | 3* | 2* | 2* | 2* | 3* | 2* |
| 19 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 20 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 21 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 22 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 23 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 24 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 25 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 27 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 28 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 29 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 30 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 31 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |

* Geometric mean calculated using n<5

**Table 3.3**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 02 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 03 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 04 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 05 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 06 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 07 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 08 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 09 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 10 May 2017 | 3* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 11 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 12 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 13 May 2017 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 14 May 2017 | 2* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 15 May 2017 | 2* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 16 May 2017 | 2* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 17 May 2017 | 2* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 18 May 2017 | 2* | 2* | 3* | 2* | 2* | 2* | 2* | 2* |
| 19 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 20 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 21 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 22 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 23 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 24 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 25 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 27 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 28 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 29 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |
| 30 May 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 31 May 2017 | 2* | 2* | 2* | 2* | 2* | 2* | 2* | 2* |

* Geometric mean calculated using n<5

**Table 3.4**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 19 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 25 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 3.5**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 19 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 25 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 3.6**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 19 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 25 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 3.7**

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

| Date | A1 | A6 | A7 | C4 | C5 | C6 | C7 | C8 |
|---|---|---|---|---|---|---|---|---|
| 01 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 11 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 19 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 25 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |
| 30 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 3.8**

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

| Station | Date | Time | Depth | Total | Fecal | Entero | F:T | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | 01 May 2017 | 750 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.1 | 78.22 | 8.0 | 33.50 | 8.1 |
| A1 | 01 May 2017 | 750 | 12 | 2e | <2 | <2 | 1.00 | ns | 12.2 | 82.37 | 6.3 | 33.42 | 7.9 |
| A1 | 01 May 2017 | 750 | 18 | <2 | 2e | <2 | 1.00 | ns | 11.6 | 81.47 | 4.1 | 33.51 | 7.8 |
| A1 | 11 May 2017 | 750 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.1 | 77.16 | 8.1 | 33.47 | 8.1 |
| A1 | 11 May 2017 | 750 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.9 | 88.20 | 5.0 | 33.48 | 7.9 |
| A1 | 11 May 2017 | 750 | 18 | 2e | <2 | <2 | 1.00 | ns | 12.2 | 88.50 | 4.5 | 33.51 | 7.8 |
| A1 | 19 May 2017 | 802 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.2 | 80.58 | 8.4 | 33.53 | 8.2 |
| A1 | 19 May 2017 | 802 | 12 | 2e | <2 | <2 | 1.00 | ns | 11.6 | 85.60 | 4.3 | 33.48 | 7.8 |
| A1 | 19 May 2017 | 802 | 18 | 2e | <2 | <2 | 1.00 | ns | 11.1 | 89.01 | 3.7 | 33.53 | 7.7 |
| A1 | 25 May 2017 | 802 | 1 | <2 | <2 | <2 | 1.00 | <0.01 | 15.2 | 75.17 | 7.8 | 33.48 | 8.2 |
| A1 | 25 May 2017 | 802 | 12 | <2 | <2 | <2 | 1.00 | <0.01 | 11.3 | 82.23 | 4.5 | 33.65 | 7.9 |
| A1 | 25 May 2017 | 802 | 18 | 2e | <2 | 2e | 1.00 | <0.01 | 10.8 | 88.93 | 3.6 | 33.64 | 7.8 |
| A1 | 30 May 2017 | 757 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.5 | 83.13 | 8.2 | 33.49 | 8.1 |
| A1 | 30 May 2017 | 757 | 12 | 4e | <2 | <2 | 0.50 | ns | 13.2 | 83.85 | 5.5 | 33.51 | 7.9 |
| A1 | 30 May 2017 | 757 | 18 | 10e | <2 | <2 | 0.20 | ns | 11.4 | 85.56 | 3.6 | 33.56 | 7.8 |
| C4 | 01 May 2017 | 1003 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.9 | 69.24 | 8.3 | 33.51 | 8.2 |
| C4 | 01 May 2017 | 1003 | 3 | <2 | <2 | <2 | 1.00 | ns | 16.4 | 73.11 | 7.0 | 33.50 | 8.2 |
| C4 | 01 May 2017 | 1003 | 9 | 2e | <2 | <2 | 1.00 | ns | 11.9 | 80.76 | 4.0 | 33.51 | 7.8 |
| C4 | 11 May 2017 | 953 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.2 | 82.63 | 8.3 | 33.46 | 8.2 |
| C4 | 11 May 2017 | 953 | 3 | <2 | <2 | <2 | 1.00 | ns | 16.7 | 79.30 | 7.9 | 33.46 | 8.2 |
| C4 | 11 May 2017 | 953 | 9 | <2 | <2 | <2 | 1.00 | ns | 14.7 | 86.53 | 5.4 | 33.47 | 8.0 |
| C4 | 19 May 2017 | 939 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.9 | 77.72 | 7.8 | 33.55 | 8.2 |
| C4 | 19 May 2017 | 939 | 3 | <2 | <2 | <2 | 1.00 | ns | 17.0 | 76.11 | 7.0 | 33.66 | 8.1 |
| C4 | 19 May 2017 | 939 | 9 | <2 | <2 | <2 | 1.00 | ns | 12.2 | 85.54 | 3.0 | 33.70 | 7.8 |
| C4 | 25 May 2017 | 951 | 1 | <2 | <2 | <2 | 1.00 | <0.01 | 14.2 | 75.85 | 7.1 | 33.54 | 8.1 |
| C4 | 25 May 2017 | 951 | 3 | <2 | <2 | <2 | 1.00 | <0.01 | 12.9 | 75.28 | 6.4 | 33.64 | 8.0 |
| C4 | 25 May 2017 | 951 | 9 | 2e | <2 | <2 | 1.00 | <0.01 | 11.6 | 85.88 | 4.7 | 33.65 | 7.9 |
| C4 | 30 May 2017 | 941 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.2 | 80.89 | 7.5 | 33.51 | 8.1 |
| C4 | 30 May 2017 | 941 | 3 | <2 | <2 | <2 | 1.00 | ns | 15.9 | 80.86 | 6.4 | 33.50 | 8.1 |
| C4 | 30 May 2017 | 941 | 9 | <2 | <2 | <2 | 1.00 | ns | 12.1 | 80.54 | 2.7 | 33.51 | 7.7 |
| C5 | 01 May 2017 | 953 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.2 | 73.43 | 7.1 | 33.51 | 8.1 |
| C5 | 01 May 2017 | 953 | 3 | <2 | <2 | <2 | 1.00 | ns | 13.9 | 75.25 | 5.5 | 33.53 | 8.0 |
| C5 | 01 May 2017 | 953 | 9 | <2 | <2 | <2 | 1.00 | ns | 11.9 | 81.90 | 4.7 | 33.51 | 7.8 |
| C5 | 11 May 2017 | 938 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.3 | 80.20 | 9.2 | 33.44 | 8.3 |
| C5 | 11 May 2017 | 938 | 3 | <2 | <2 | <2 | 1.00 | ns | 17.0 | 79.19 | 8.7 | 33.44 | 8.3 |

| Station | Date | Time | Depth | Total | Fecal | Entero | F:T | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | 11 May 2017 | 938 | 9 | <2 | <2 | <2 | 1.00 | ns | 14.8 | 86.24 | 5.7 | 33.46 | 8.0 |
| C5 | 19 May 2017 | 929 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.9 | 83.93 | 8.7 | 33.53 | 8.2 |
| C5 | 19 May 2017 | 929 | 3 | <2 | <2 | <2 | 1.00 | ns | 17.9 | 84.01 | 8.6 | 33.52 | 8.2 |
| C5 | 19 May 2017 | 929 | 9 | <2 | <2 | <2 | 1.00 | ns | 16.2 | 86.60 | 5.6 | 33.51 | 8.2 |
| C5 | 25 May 2017 | 937 | 1 | <20 | <2 | <2 | 0.10 | <0.01 | 14.9 | 81.39 | 7.2 | 33.55 | 8.1 |
| C5 | 25 May 2017 | 937 | 3 | <2 | <2 | <2 | 1.00 | <0.01 | 14.0 | 81.05 | 6.7 | 33.68 | 8.1 |
| C5 | 25 May 2017 | 937 | 9 | <2 | <2 | <2 | 1.00 | <0.01 | 11.6 | 88.90 | 4.2 | 33.63 | 7.8 |
| C5 | 30 May 2017 | 929 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.4 | 82.35 | 8.1 | 33.50 | 8.1 |
| C5 | 30 May 2017 | 929 | 3 | <2 | <2 | <2 | 1.00 | ns | 16.3 | 82.44 | 7.3 | 33.50 | 8.1 |
| C5 | 30 May 2017 | 929 | 9 | <2 | <2 | <2 | 1.00 | ns | 12.4 | 84.00 | 5.2 | 33.56 | 7.8 |
| A6 | 01 May 2017 | 814 | 1 | 2e | <2 | <2 | 1.00 | ns | 15.6 | 78.76 | 7.8 | 33.49 | 8.1 |
| A6 | 01 May 2017 | 814 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.5 | 82.81 | 6.7 | 33.39 | 8.0 |
| A6 | 01 May 2017 | 814 | 18 | 2e | <2 | <2 | 1.00 | ns | 12.3 | 83.04 | 6.0 | 33.44 | 7.9 |
| A6 | 11 May 2017 | 835 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.7 | 79.07 | 8.7 | 33.44 | 8.2 |
| A6 | 11 May 2017 | 835 | 12 | <2 | <2 | <2 | 1.00 | ns | 13.3 | 88.23 | 4.8 | 33.47 | 8.0 |
| A6 | 11 May 2017 | 835 | 18 | 2e | <2 | <2 | 1.00 | ns | 11.9 | 87.40 | 4.6 | 33.48 | 7.8 |
| A6 | 19 May 2017 | 829 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.5 | 85.43 | 8.2 | 33.51 | 8.2 |
| A6 | 19 May 2017 | 829 | 12 | <2 | 2e | <2 | 1.00 | ns | 11.4 | 85.98 | 4.2 | 33.48 | 7.8 |
| A6 | 19 May 2017 | 829 | 18 | 2e | 2e | <2 | 1.00 | ns | 10.6 | 88.73 | 3.2 | 33.57 | 7.7 |
| A6 | 25 May 2017 | 831 | 1 | <20 | <2 | <2 | 0.10 | <0.01 | 16.1 | 75.14 | 8.2 | 33.52 | 8.2 |
| A6 | 25 May 2017 | 831 | 12 | <20 | <2 | <2 | 0.10 | <0.01 | 10.6 | 88.63 | 3.8 | 33.64 | 7.8 |
| A6 | 25 May 2017 | 831 | 18 | 20e | <2 | <2 | 0.10 | <0.01 | 10.5 | 89.02 | 3.5 | 33.67 | 7.8 |
| A6 | 30 May 2017 | 826 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.8 | 81.00 | 8.7 | 33.49 | 8.2 |
| A6 | 30 May 2017 | 826 | 12 | 2e | <2 | <2 | 1.00 | ns | 15.0 | 82.27 | 6.0 | 33.51 | 8.1 |
| A6 | 30 May 2017 | 826 | 18 | 12e | <2 | 2e | 0.17 | ns | 12.8 | 85.01 | 5.3 | 33.55 | 7.9 |
| C6 | 01 May 2017 | 943 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.6 | 78.34 | 8.0 | 33.50 | 8.2 |
| C6 | 01 May 2017 | 943 | 3 | 2e | <2 | <2 | 1.00 | ns | 14.8 | 76.55 | 5.8 | 33.48 | 8.1 |
| C6 | 01 May 2017 | 943 | 9 | 2e | <2 | <2 | 1.00 | ns | 11.6 | 84.59 | 5.0 | 33.48 | 7.8 |
| C6 | 11 May 2017 | 927 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.1 | 78.87 | 9.1 | 33.36 | 8.3 |
| C6 | 11 May 2017 | 927 | 3 | <2 | <2 | <2 | 1.00 | ns | 17.0 | 76.62 | 9.0 | 33.40 | 8.3 |
| C6 | 11 May 2017 | 927 | 9 | <2 | <2 | <2 | 1.00 | ns | 15.1 | 85.02 | 6.2 | 33.47 | 8.1 |
| C6 | 19 May 2017 | 918 | 1 | <2 | <2 | <2 | 1.00 | ns | 18.0 | 79.56 | 7.8 | 33.55 | 8.3 |
| C6 | 19 May 2017 | 918 | 3 | <2 | <2 | <2 | 1.00 | ns | 17.6 | 79.54 | 6.2 | 33.52 | 8.2 |
| C6 | 19 May 2017 | 918 | 9 | <2 | <2 | <2 | 1.00 | ns | 12.6 | 88.63 | 5.3 | 33.49 | 7.9 |
| C6 | 25 May 2017 | 924 | 1 | 20e | <2 | <2 | 0.10 | <0.01 | 16.1 | 77.65 | 8.3 | 33.53 | 8.2 |
| C6 | 25 May 2017 | 924 | 3 | <20 | 2e | <2 | 0.10 | <0.01 | 14.7 | 78.40 | 7.3 | 33.71 | 8.2 |
| C6 | 25 May 2017 | 924 | 9 | <2 | <2 | <2 | 1.00 | <0.01 | 11.6 | 88.02 | 4.5 | 33.68 | 7.9 |
| C6 | 30 May 2017 | 917 | 1 | 2e | <2 | <2 | 1.00 | ns | 16.6 | 82.30 | 8.3 | 33.49 | 8.2 |
| C6 | 30 May 2017 | 917 | 3 | 2e | <2 | <2 | 1.00 | ns | 16.4 | 81.98 | 8.0 | 33.49 | 8.2 |
| C6 | 30 May 2017 | 917 | 9 | <2 | <2 | <2 | 1.00 | ns | 11.7 | 82.90 | 4.4 | 33.56 | 7.8 |
| A7 | 01 May 2017 | 801 | 1 | <2 | <2 | <2 | 1.00 | ns | 14.9 | 79.49 | 7.0 | 33.48 | 8.1 |

| Station | Date | Time | Depth | Total | Fecal | Entero | F:T | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A7 | 01 May 2017 | 801 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.3 | 82.29 | 6.1 | 33.43 | 7.9 |
| A7 | 01 May 2017 | 801 | 18 | <2 | <2 | <2 | 1.00 | ns | 11.6 | 82.60 | 4.4 | 33.53 | 7.8 |
| A7 | 11 May 2017 | 812 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.3 | 78.50 | 8.0 | 33.47 | 8.2 |
| A7 | 11 May 2017 | 812 | 12 | 22e | <2 | <2 | 0.09 | ns | 12.6 | 88.35 | 4.9 | 33.48 | 7.9 |
| A7 | 11 May 2017 | 812 | 18 | 10e | <2 | <2 | 0.20 | ns | 12.1 | 87.72 | 4.5 | 33.51 | 7.8 |
| A7 | 19 May 2017 | 815 | 1 | 2e | <2 | <2 | 1.00 | ns | 17.5 | 83.43 | 8.7 | 33.52 | 8.2 |
| A7 | 19 May 2017 | 815 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.2 | 84.85 | 3.5 | 33.48 | 7.8 |
| A7 | 19 May 2017 | 815 | 18 | <2 | <2 | <2 | 1.00 | ns | 11.0 | 89.44 | 3.5 | 33.52 | 7.7 |
| A7 | 25 May 2017 | 817 | 1 | <2 | <2 | <2 | 1.00 | <0.01 | 14.0 | 76.69 | 6.8 | 33.62 | 8.1 |
| A7 | 25 May 2017 | 817 | 12 | 12e | <2 | <2 | 0.17 | <0.01 | 10.9 | 86.56 | 3.9 | 33.65 | 7.8 |
| A7 | 25 May 2017 | 817 | 18 | 16e | <2 | <2 | 0.12 | <0.01 | 10.8 | 88.88 | 3.5 | 33.64 | 7.8 |
| A7 | 30 May 2017 | 810 | 1 | 2e | <2 | <2 | 1.00 | ns | 16.8 | 81.59 | 8.6 | 33.49 | 8.2 |
| A7 | 30 May 2017 | 810 | 12 | 8e | <2 | <2 | 0.25 | ns | 13.2 | 82.54 | 5.9 | 33.48 | 8.0 |
| A7 | 30 May 2017 | 810 | 18 | 14e | <2 | <2 | 0.14 | ns | 12.6 | 83.82 | 5.6 | 33.53 | 7.9 |
| C7 | 01 May 2017 | 827 | 1 | <2 | <2 | <2 | 1.00 | ns | 15.8 | 79.31 | 8.1 | 33.49 | 8.1 |
| C7 | 01 May 2017 | 827 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.7 | 80.68 | 6.5 | 33.40 | 8.0 |
| C7 | 01 May 2017 | 827 | 18 | <2 | <2 | <2 | 1.00 | ns | 11.4 | 85.06 | 4.7 | 33.51 | 7.8 |
| C7 | 11 May 2017 | 852 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.9 | 80.26 | 8.6 | 33.44 | 8.2 |
| C7 | 11 May 2017 | 852 | 12 | <2 | <2 | <2 | 1.00 | ns | 13.5 | 88.38 | 5.0 | 33.47 | 7.9 |
| C7 | 11 May 2017 | 852 | 18 | <2 | <2 | <2 | 1.00 | ns | 12.6 | 89.70 | 4.9 | 33.49 | 7.9 |
| C7 | 19 May 2017 | 845 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.9 | 86.69 | 8.2 | 33.51 | 8.2 |
| C7 | 19 May 2017 | 845 | 12 | <2 | <2 | <2 | 1.00 | ns | 11.4 | 86.00 | 3.8 | 33.59 | 7.8 |
| C7 | 19 May 2017 | 845 | 18 | 2e | <2 | <2 | 1.00 | ns | 11.0 | 89.85 | 3.8 | 33.56 | 7.7 |
| C7 | 25 May 2017 | 847 | 1 | <2 | <2 | <2 | 1.00 | <0.01 | 16.4 | 78.68 | 8.1 | 33.51 | 8.2 |
| C7 | 25 May 2017 | 847 | 12 | 10e | <2 | <2 | 0.20 | <0.01 | 11.0 | 83.45 | 4.3 | 33.62 | 7.8 |
| C7 | 25 May 2017 | 847 | 18 | 8e | <2 | <2 | 0.25 | <0.01 | 10.6 | 89.47 | 3.6 | 33.67 | 7.8 |
| C7 | 30 May 2017 | 842 | 1 | <2 | <2 | <2 | 1.00 | ns | 16.8 | 83.19 | 8.8 | 33.49 | 8.2 |
| C7 | 30 May 2017 | 842 | 12 | <2 | <2 | <2 | 1.00 | ns | 16.0 | 81.51 | 8.2 | 33.46 | 8.2 |
| C7 | 30 May 2017 | 842 | 18 | 12e | <2 | <2 | 0.17 | ns | 11.8 | 86.08 | 4.3 | 33.61 | 7.8 |
| C8 | 01 May 2017 | 849 | 1 | <2 | <2 | <2 | 1.00 | ns | 15.7 | 78.05 | NA | NA | 8.1 |
| C8 | 01 May 2017 | 849 | 12 | <2 | <2 | <2 | 1.00 | ns | 13.0 | 81.01 | 6.4 | 33.51 | 8.0 |
| C8 | 01 May 2017 | 849 | 18 | 2e | <2 | 4e | 1.00 | ns | 11.5 | 84.36 | 4.9 | 33.53 | 7.8 |
| C8 | 11 May 2017 | 905 | 1 | <2 | <2 | <2 | 1.00 | ns | 17.0 | 82.91 | 8.4 | 33.42 | 8.2 |
| C8 | 11 May 2017 | 905 | 12 | <2 | <2 | <2 | 1.00 | ns | 14.4 | 84.46 | 5.5 | 33.47 | 8.0 |
| C8 | 11 May 2017 | 905 | 18 | 4e | <2 | <2 | 0.50 | ns | 12.3 | 89.36 | 4.5 | 33.49 | 7.9 |
| C8 | 19 May 2017 | 858 | 1 | <2 | <2 | <2 | 1.00 | ns | 18.0 | 78.38 | 8.0 | 33.51 | 8.2 |
| C8 | 19 May 2017 | 858 | 12 | <2 | <2 | <2 | 1.00 | ns | 12.5 | 84.16 | 4.2 | 33.47 | 7.9 |
| C8 | 19 May 2017 | 858 | 18 | 2e | <2 | <2 | 1.00 | ns | 11.0 | 89.97 | 3.7 | 33.51 | 7.7 |
| C8 | 25 May 2017 | 900 | 1 | <2 | 2e | <2 | 1.00 | <0.01 | 15.9 | 72.55 | 8.4 | 33.49 | 8.2 |
| C8 | 25 May 2017 | 900 | 12 | <2 | <2 | <2 | 1.00 | <0.01 | 11.3 | 80.32 | 4.9 | 33.60 | 7.9 |
| C8 | 25 May 2017 | 900 | 18 | 12e | 2e | <2 | 0.17 | <0.01 | 10.7 | 89.17 | 3.7 | 33.64 | 7.8 |

| Station | Date | Time | Depth | Total | Fecal | Entero | F:T | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C8 | 30 May 2017 | 853 | 1 | 2e | <2 | <2 | 1.00 | ns | 16.4 | 76.20 | 8.0 | 33.49 | 8.1 |
| C8 | 30 May 2017 | 853 | 12 | <2 | <2 | <2 | 1.00 | ns | 15.2 | 77.77 | 8.3 | 33.45 | 8.1 |
| C8 | 30 May 2017 | 853 | 18 | 2e | <2 | <2 | 1.00 | ns | 12.5 | 75.95 | 7.0 | 33.41 | 8.0 |

ns = not sampled
ND = no data

**Table 3.9**

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

| Station | Date | Parameter | Value |
|---|---|---|---|
| A1 | 01 May 2017 | Depth (m) | 18 |
| A1 | 01 May 2017 | Arrive Time | 750 |
| A1 | 01 May 2017 | Depart Time | 756 |
| A1 | 01 May 2017 | Air Temp (C) | 16 |
| A1 | 01 May 2017 | Weather | Clear |
| A1 | 01 May 2017 | Visibility (mi) | 12 |
| A1 | 01 May 2017 | Wind Speed (kts) | 0 |
| A1 | 01 May 2017 | Wind Dir | |
| A1 | 01 May 2017 | Water Color | Greenish-Brown |
| A1 | 01 May 2017 | Wave Ht Low (ft) | 2 |
| A1 | 01 May 2017 | Wave Period (sec) | 9 |
| A1 | 01 May 2017 | Sea State | Calm |
| A1 | 01 May 2017 | High Tide (ft) | 3.5 |
| A1 | 01 May 2017 | High Tide Time | 1525 |
| A1 | 01 May 2017 | Low Tide (ft) | -0.4 |
| A1 | 01 May 2017 | Low Tide Time | 830 |
| A1 | 01 May 2017 | Comments | |
| | | | |
| A1 | 11 May 2017 | Depth (m) | 18 |
| A1 | 11 May 2017 | Arrive Time | 750 |
| A1 | 11 May 2017 | Depart Time | 803 |
| A1 | 11 May 2017 | Air Temp (C) | 16 |
| A1 | 11 May 2017 | Weather | Partly Cloudy |
| A1 | 11 May 2017 | Visibility (mi) | 8 |
| A1 | 11 May 2017 | Wind Speed (kts) | 8 |
| A1 | 11 May 2017 | Wind Dir | NE |
| A1 | 11 May 2017 | Water Color | Bluish-Green |
| A1 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| A1 | 11 May 2017 | Wave Period (sec) | 13 |
| A1 | 11 May 2017 | Sea State | Wind ripples |
| A1 | 11 May 2017 | High Tide (ft) | 3.8 |
| A1 | 11 May 2017 | High Tide Time | 1031 |
| A1 | 11 May 2017 | Low Tide (ft) | -0.4 |
| A1 | 11 May 2017 | Low Tide Time | 425 |
| A1 | 11 May 2017 | Comments | Kelp |
| | | | |
| A1 | 19 May 2017 | Depth (m) | 19 |
| A1 | 19 May 2017 | Arrive Time | 802 |
| A1 | 19 May 2017 | Depart Time | 806 |
| A1 | 19 May 2017 | Air Temp (C) | 16 |
| A1 | 19 May 2017 | Weather | Clear |
| A1 | 19 May 2017 | Visibility (mi) | 8 |
| A1 | 19 May 2017 | Wind Speed (kts) | 6 |
| A1 | 19 May 2017 | Wind Dir | S |
| A1 | 19 May 2017 | Water Color | Green |
| A1 | 19 May 2017 | Wave Ht Low (ft) | 3 |
| A1 | 19 May 2017 | Wave Period (sec) | 9 |
| A1 | 19 May 2017 | Sea State | Calm |
| A1 | 19 May 2017 | High Tide (ft) | 3.7 |
| A1 | 19 May 2017 | High Tide Time | 344 |
| A1 | 19 May 2017 | Low Tide (ft) | 0.5 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| A1 | 19 May 2017 | Low Tide Time | 1054 |
| A1 | 19 May 2017 | Comments | Kelp |
| | | | |
| A1 | 25 May 2017 | Depth (m) | 18 |
| A1 | 25 May 2017 | Arrive Time | 802 |
| A1 | 25 May 2017 | Depart Time | 809 |
| A1 | 25 May 2017 | Air Temp (C) | 15 |
| A1 | 25 May 2017 | Weather | Overcast |
| A1 | 25 May 2017 | Visibility (mi) | 6 |
| A1 | 25 May 2017 | Wind Speed (kts) | 2 |
| A1 | 25 May 2017 | Wind Dir | SE |
| A1 | 25 May 2017 | Water Color | Bluish-Green |
| A1 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| A1 | 25 May 2017 | Wave Period (sec) | 13 |
| A1 | 25 May 2017 | Sea State | Wind ripples |
| A1 | 25 May 2017 | High Tide (ft) | 4.3 |
| A1 | 25 May 2017 | High Tide Time | 949 |
| A1 | 25 May 2017 | Low Tide (ft) | 0.9 |
| A1 | 25 May 2017 | Low Tide Time | 1515 |
| A1 | 25 May 2017 | Comments | Kelp debris |
| | | | |
| A1 | 30 May 2017 | Depth (m) | 18 |
| A1 | 30 May 2017 | Arrive Time | 757 |
| A1 | 30 May 2017 | Depart Time | 759 |
| A1 | 30 May 2017 | Air Temp (C) | 15 |
| A1 | 30 May 2017 | Weather | Drizzle |
| A1 | 30 May 2017 | Visibility (mi) | 4 |
| A1 | 30 May 2017 | Wind Speed (kts) | 3 |
| A1 | 30 May 2017 | Wind Dir | NW |
| A1 | 30 May 2017 | Water Color | Brownish-Green |
| A1 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| A1 | 30 May 2017 | Wave Period (sec) | 13 |
| A1 | 30 May 2017 | Sea State | Calm |
| A1 | 30 May 2017 | High Tide (ft) | 3.9 |
| A1 | 30 May 2017 | High Tide Time | 1456 |
| A1 | 30 May 2017 | Low Tide (ft) | -0.5 |
| A1 | 30 May 2017 | Low Tide Time | 805 |
| A1 | 30 May 2017 | Comments | |
| | | | |
| C4 | 01 May 2017 | Depth (m) | 9 |
| C4 | 01 May 2017 | Arrive Time | 1003 |
| C4 | 01 May 2017 | Depart Time | 1007 |
| C4 | 01 May 2017 | Air Temp (C) | 17 |
| C4 | 01 May 2017 | Weather | Clear |
| C4 | 01 May 2017 | Visibility (mi) | 12 |
| C4 | 01 May 2017 | Wind Speed (kts) | 2 |
| C4 | 01 May 2017 | Wind Dir | S |
| C4 | 01 May 2017 | Water Color | Greenish-Brown |
| C4 | 01 May 2017 | Wave Ht Low (ft) | 3 |
| C4 | 01 May 2017 | Wave Period (sec) | 9 |
| C4 | 01 May 2017 | Sea State | Calm |
| C4 | 01 May 2017 | High Tide (ft) | 3.5 |
| C4 | 01 May 2017 | High Tide Time | 1525 |
| C4 | 01 May 2017 | Low Tide (ft) | -0.4 |
| C4 | 01 May 2017 | Low Tide Time | 830 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C4 | 01 May 2017 | Comments | none |
| | | | |
| C4 | 11 May 2017 | Depth (m) | 10 |
| C4 | 11 May 2017 | Arrive Time | 953 |
| C4 | 11 May 2017 | Depart Time | 959 |
| C4 | 11 May 2017 | Air Temp (C) | 16 |
| C4 | 11 May 2017 | Weather | Haze |
| C4 | 11 May 2017 | Visibility (mi) | 14 |
| C4 | 11 May 2017 | Wind Speed (kts) | 8 |
| C4 | 11 May 2017 | Wind Dir | N |
| C4 | 11 May 2017 | Water Color | Bluish-Green |
| C4 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| C4 | 11 May 2017 | Wave Period (sec) | 13 |
| C4 | 11 May 2017 | Sea State | Light chop |
| C4 | 11 May 2017 | High Tide (ft) | 3.8 |
| C4 | 11 May 2017 | High Tide Time | 1031 |
| C4 | 11 May 2017 | Low Tide (ft) | -0.4 |
| C4 | 11 May 2017 | Low Tide Time | 425 |
| C4 | 11 May 2017 | Comments | Kelp |
| | | | |
| C4 | 19 May 2017 | Depth (m) | 10 |
| C4 | 19 May 2017 | Arrive Time | 939 |
| C4 | 19 May 2017 | Depart Time | 950 |
| C4 | 19 May 2017 | Air Temp (C) | 17 |
| C4 | 19 May 2017 | Weather | Clear |
| C4 | 19 May 2017 | Visibility (mi) | 8 |
| C4 | 19 May 2017 | Wind Speed (kts) | 11 |
| C4 | 19 May 2017 | Wind Dir | W |
| C4 | 19 May 2017 | Water Color | Green |
| C4 | 19 May 2017 | Wave Ht Low (ft) | 4 |
| C4 | 19 May 2017 | Wave Period (sec) | 13 |
| C4 | 19 May 2017 | Sea State | Calm |
| C4 | 19 May 2017 | High Tide (ft) | 3.7 |
| C4 | 19 May 2017 | High Tide Time | 344 |
| C4 | 19 May 2017 | Low Tide (ft) | 0.5 |
| C4 | 19 May 2017 | Low Tide Time | 1054 |
| C4 | 19 May 2017 | Comments | Kelp; Salinity variation between bins was much higher than previous stations; Multiple casts all displayed the same variation in salinity; Out going tide maybe water from S.D. bay affecting cast |
| | | | |
| C4 | 25 May 2017 | Depth (m) | 10 |
| C4 | 25 May 2017 | Arrive Time | 951 |
| C4 | 25 May 2017 | Depart Time | 958 |
| C4 | 25 May 2017 | Air Temp (C) | 15 |
| C4 | 25 May 2017 | Weather | Overcast |
| C4 | 25 May 2017 | Visibility (mi) | 6 |
| C4 | 25 May 2017 | Wind Speed (kts) | 3 |
| C4 | 25 May 2017 | Wind Dir | E |
| C4 | 25 May 2017 | Water Color | Bluish-Green |
| C4 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| C4 | 25 May 2017 | Wave Period (sec) | 13 |
| C4 | 25 May 2017 | Sea State | Wind ripples |
| C4 | 25 May 2017 | High Tide (ft) | 4.3 |
| C4 | 25 May 2017 | High Tide Time | 949 |
| C4 | 25 May 2017 | Low Tide (ft) | 0.9 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C4 | 25 May 2017 | Low Tide Time | 1515 |
| C4 | 25 May 2017 | Comments | Kelp debris |
| | | | |
| C4 | 30 May 2017 | Depth (m) | 9 |
| C4 | 30 May 2017 | Arrive Time | 941 |
| C4 | 30 May 2017 | Depart Time | 943 |
| C4 | 30 May 2017 | Air Temp (C) | 16 |
| C4 | 30 May 2017 | Weather | Continuous layer of clouds |
| C4 | 30 May 2017 | Visibility (mi) | 6 |
| C4 | 30 May 2017 | Wind Speed (kts) | 3 |
| C4 | 30 May 2017 | Wind Dir | SE |
| C4 | 30 May 2017 | Water Color | Green |
| C4 | 30 May 2017 | Wave Ht Low (ft) | 2 |
| C4 | 30 May 2017 | Wave Period (sec) | 13 |
| C4 | 30 May 2017 | Sea State | Light chop |
| C4 | 30 May 2017 | High Tide (ft) | 3.9 |
| C4 | 30 May 2017 | High Tide Time | 1456 |
| C4 | 30 May 2017 | Low Tide (ft) | -0.5 |
| C4 | 30 May 2017 | Low Tide Time | 805 |
| C4 | 30 May 2017 | Comments | Kelp |
| | | | |
| C5 | 01 May 2017 | Depth (m) | 9 |
| C5 | 01 May 2017 | Arrive Time | 953 |
| C5 | 01 May 2017 | Depart Time | 957 |
| C5 | 01 May 2017 | Air Temp (C) | 17 |
| C5 | 01 May 2017 | Weather | Clear |
| C5 | 01 May 2017 | Visibility (mi) | 12 |
| C5 | 01 May 2017 | Wind Speed (kts) | 2 |
| C5 | 01 May 2017 | Wind Dir | W |
| C5 | 01 May 2017 | Water Color | Greenish-Brown |
| C5 | 01 May 2017 | Wave Ht Low (ft) | 3 |
| C5 | 01 May 2017 | Wave Period (sec) | 9 |
| C5 | 01 May 2017 | Sea State | Calm |
| C5 | 01 May 2017 | High Tide (ft) | 3.5 |
| C5 | 01 May 2017 | High Tide Time | 1525 |
| C5 | 01 May 2017 | Low Tide (ft) | -0.4 |
| C5 | 01 May 2017 | Low Tide Time | 830 |
| C5 | 01 May 2017 | Comments | Kelp |
| | | | |
| C5 | 11 May 2017 | Depth (m) | 9 |
| C5 | 11 May 2017 | Arrive Time | 938 |
| C5 | 11 May 2017 | Depart Time | 947 |
| C5 | 11 May 2017 | Air Temp (C) | 16 |
| C5 | 11 May 2017 | Weather | Haze |
| C5 | 11 May 2017 | Visibility (mi) | 14 |
| C5 | 11 May 2017 | Wind Speed (kts) | 7 |
| C5 | 11 May 2017 | Wind Dir | W |
| C5 | 11 May 2017 | Water Color | Bluish-Green |
| C5 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| C5 | 11 May 2017 | Wave Period (sec) | 13 |
| C5 | 11 May 2017 | Sea State | Light chop |
| C5 | 11 May 2017 | High Tide (ft) | 3.8 |
| C5 | 11 May 2017 | High Tide Time | 1031 |
| C5 | 11 May 2017 | Low Tide (ft) | -0.4 |
| C5 | 11 May 2017 | Low Tide Time | 425 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C5 | 11 May 2017 | Comments | Kelp |
| | | | |
| C5 | 19 May 2017 | Depth (m) | 10 |
| C5 | 19 May 2017 | Arrive Time | 929 |
| C5 | 19 May 2017 | Depart Time | 932 |
| C5 | 19 May 2017 | Air Temp (C) | 17 |
| C5 | 19 May 2017 | Weather | Clear |
| C5 | 19 May 2017 | Visibility (mi) | 8 |
| C5 | 19 May 2017 | Wind Speed (kts) | 10 |
| C5 | 19 May 2017 | Wind Dir | S |
| C5 | 19 May 2017 | Water Color | Green |
| C5 | 19 May 2017 | Wave Ht Low (ft) | 4 |
| C5 | 19 May 2017 | Wave Period (sec) | 13 |
| C5 | 19 May 2017 | Sea State | Calm |
| C5 | 19 May 2017 | High Tide (ft) | 3.7 |
| C5 | 19 May 2017 | High Tide Time | 344 |
| C5 | 19 May 2017 | Low Tide (ft) | 0.5 |
| C5 | 19 May 2017 | Low Tide Time | 1054 |
| C5 | 19 May 2017 | Comments | Kelp; Seagrass |
| | | | |
| C5 | 25 May 2017 | Depth (m) | 9 |
| C5 | 25 May 2017 | Arrive Time | 937 |
| C5 | 25 May 2017 | Depart Time | 948 |
| C5 | 25 May 2017 | Air Temp (C) | 16 |
| C5 | 25 May 2017 | Weather | Overcast |
| C5 | 25 May 2017 | Visibility (mi) | 6 |
| C5 | 25 May 2017 | Wind Speed (kts) | 3 |
| C5 | 25 May 2017 | Wind Dir | E |
| C5 | 25 May 2017 | Water Color | Bluish-Green |
| C5 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| C5 | 25 May 2017 | Wave Period (sec) | 13 |
| C5 | 25 May 2017 | Sea State | Wind ripples |
| C5 | 25 May 2017 | High Tide (ft) | 4.3 |
| C5 | 25 May 2017 | High Tide Time | 949 |
| C5 | 25 May 2017 | Low Tide (ft) | 0.9 |
| C5 | 25 May 2017 | Low Tide Time | 1515 |
| C5 | 25 May 2017 | Comments | Kelp |
| | | | |
| C5 | 30 May 2017 | Depth (m) | 9 |
| C5 | 30 May 2017 | Arrive Time | 929 |
| C5 | 30 May 2017 | Depart Time | 931 |
| C5 | 30 May 2017 | Air Temp (C) | 16 |
| C5 | 30 May 2017 | Weather | Continuous layer of clouds |
| C5 | 30 May 2017 | Visibility (mi) | 6 |
| C5 | 30 May 2017 | Wind Speed (kts) | 4 |
| C5 | 30 May 2017 | Wind Dir | NE |
| C5 | 30 May 2017 | Water Color | Green |
| C5 | 30 May 2017 | Wave Ht Low (ft) | 2 |
| C5 | 30 May 2017 | Wave Period (sec) | 13 |
| C5 | 30 May 2017 | Sea State | Light chop |
| C5 | 30 May 2017 | High Tide (ft) | 3.9 |
| C5 | 30 May 2017 | High Tide Time | 1456 |
| C5 | 30 May 2017 | Low Tide (ft) | -0.5 |
| C5 | 30 May 2017 | Low Tide Time | 805 |
| C5 | 30 May 2017 | Comments | Kelp |

| Station | Date | Parameter | Value |
|---|---|---|---|
| A6 | 01 May 2017 | Depth (m) | 20 |
| A6 | 01 May 2017 | Arrive Time | 814 |
| A6 | 01 May 2017 | Depart Time | 817 |
| A6 | 01 May 2017 | Air Temp (C) | 17 |
| A6 | 01 May 2017 | Weather | Clear |
| A6 | 01 May 2017 | Visibility (mi) | 12 |
| A6 | 01 May 2017 | Wind Speed (kts) | 1 |
| A6 | 01 May 2017 | Wind Dir | W |
| A6 | 01 May 2017 | Water Color | Greenish-Brown |
| A6 | 01 May 2017 | Wave Ht Low (ft) | 2 |
| A6 | 01 May 2017 | Wave Period (sec) | 9 |
| A6 | 01 May 2017 | Sea State | Calm |
| A6 | 01 May 2017 | High Tide (ft) | 3.5 |
| A6 | 01 May 2017 | High Tide Time | 1525 |
| A6 | 01 May 2017 | Low Tide (ft) | -0.4 |
| A6 | 01 May 2017 | Low Tide Time | 830 |
| A6 | 01 May 2017 | Comments | |
| A6 | 11 May 2017 | Depth (m) | 18 |
| A6 | 11 May 2017 | Arrive Time | 835 |
| A6 | 11 May 2017 | Depart Time | 840 |
| A6 | 11 May 2017 | Air Temp (C) | 16 |
| A6 | 11 May 2017 | Weather | Haze |
| A6 | 11 May 2017 | Visibility (mi) | 12 |
| A6 | 11 May 2017 | Wind Speed (kts) | 8 |
| A6 | 11 May 2017 | Wind Dir | SW |
| A6 | 11 May 2017 | Water Color | Bluish-Green |
| A6 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| A6 | 11 May 2017 | Wave Period (sec) | 13 |
| A6 | 11 May 2017 | Sea State | Wind ripples |
| A6 | 11 May 2017 | High Tide (ft) | 3.8 |
| A6 | 11 May 2017 | High Tide Time | 1031 |
| A6 | 11 May 2017 | Low Tide (ft) | -0.4 |
| A6 | 11 May 2017 | Low Tide Time | 425 |
| A6 | 11 May 2017 | Comments | |
| A6 | 19 May 2017 | Depth (m) | 18 |
| A6 | 19 May 2017 | Arrive Time | 829 |
| A6 | 19 May 2017 | Depart Time | 833 |
| A6 | 19 May 2017 | Air Temp (C) | 17 |
| A6 | 19 May 2017 | Weather | Clear |
| A6 | 19 May 2017 | Visibility (mi) | 8 |
| A6 | 19 May 2017 | Wind Speed (kts) | 8 |
| A6 | 19 May 2017 | Wind Dir | NE |
| A6 | 19 May 2017 | Water Color | Green |
| A6 | 19 May 2017 | Wave Ht Low (ft) | 3 |
| A6 | 19 May 2017 | Wave Period (sec) | 9 |
| A6 | 19 May 2017 | Sea State | Calm |
| A6 | 19 May 2017 | High Tide (ft) | 3.7 |
| A6 | 19 May 2017 | High Tide Time | 344 |
| A6 | 19 May 2017 | Low Tide (ft) | 0.5 |
| A6 | 19 May 2017 | Low Tide Time | 1054 |
| A6 | 19 May 2017 | Comments | Kelp; Boats |

| Station | Date | Parameter | Value |
|---|---|---|---|
| A6 | 25 May 2017 | Depth (m) | 22 |
| A6 | 25 May 2017 | Arrive Time | 831 |
| A6 | 25 May 2017 | Depart Time | 837 |
| A6 | 25 May 2017 | Air Temp (C) | 16 |
| A6 | 25 May 2017 | Weather | Overcast |
| A6 | 25 May 2017 | Visibility (mi) | 6 |
| A6 | 25 May 2017 | Wind Speed (kts) | 2 |
| A6 | 25 May 2017 | Wind Dir | NE |
| A6 | 25 May 2017 | Water Color | Bluish-Green |
| A6 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| A6 | 25 May 2017 | Wave Period (sec) | 13 |
| A6 | 25 May 2017 | Sea State | Wind ripples |
| A6 | 25 May 2017 | High Tide (ft) | 4.3 |
| A6 | 25 May 2017 | High Tide Time | 949 |
| A6 | 25 May 2017 | Low Tide (ft) | 0.9 |
| A6 | 25 May 2017 | Low Tide Time | 1515 |
| A6 | 25 May 2017 | Comments | |
| | | | |
| A6 | 30 May 2017 | Depth (m) | 20 |
| A6 | 30 May 2017 | Arrive Time | 826 |
| A6 | 30 May 2017 | Depart Time | 828 |
| A6 | 30 May 2017 | Air Temp (C) | 15 |
| A6 | 30 May 2017 | Weather | Drizzle |
| A6 | 30 May 2017 | Visibility (mi) | 4 |
| A6 | 30 May 2017 | Wind Speed (kts) | 1 |
| A6 | 30 May 2017 | Wind Dir | SW |
| A6 | 30 May 2017 | Water Color | Brownish-Green |
| A6 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| A6 | 30 May 2017 | Wave Period (sec) | 13 |
| A6 | 30 May 2017 | Sea State | Calm |
| A6 | 30 May 2017 | High Tide (ft) | 3.9 |
| A6 | 30 May 2017 | High Tide Time | 1456 |
| A6 | 30 May 2017 | Low Tide (ft) | -0.5 |
| A6 | 30 May 2017 | Low Tide Time | 805 |
| A6 | 30 May 2017 | Comments | |
| | | | |
| C6 | 01 May 2017 | Depth (m) | 9 |
| C6 | 01 May 2017 | Arrive Time | 943 |
| C6 | 01 May 2017 | Depart Time | 947 |
| C6 | 01 May 2017 | Air Temp (C) | 17 |
| C6 | 01 May 2017 | Weather | Clear |
| C6 | 01 May 2017 | Visibility (mi) | 12 |
| C6 | 01 May 2017 | Wind Speed (kts) | 3 |
| C6 | 01 May 2017 | Wind Dir | W |
| C6 | 01 May 2017 | Water Color | Greenish-Brown |
| C6 | 01 May 2017 | Wave Ht Low (ft) | 3 |
| C6 | 01 May 2017 | Wave Period (sec) | 9 |
| C6 | 01 May 2017 | Sea State | Calm |
| C6 | 01 May 2017 | High Tide (ft) | 3.5 |
| C6 | 01 May 2017 | High Tide Time | 1525 |
| C6 | 01 May 2017 | Low Tide (ft) | -0.4 |
| C6 | 01 May 2017 | Low Tide Time | 830 |
| C6 | 01 May 2017 | Comments | Kelp |
| | | | |
| C6 | 11 May 2017 | Depth (m) | 8 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C6 | 11 May 2017 | Arrive Time | 927 |
| C6 | 11 May 2017 | Depart Time | 932 |
| C6 | 11 May 2017 | Air Temp (C) | 16 |
| C6 | 11 May 2017 | Weather | Haze |
| C6 | 11 May 2017 | Visibility (mi) | 14 |
| C6 | 11 May 2017 | Wind Speed (kts) | 7 |
| C6 | 11 May 2017 | Wind Dir | SW |
| C6 | 11 May 2017 | Water Color | Bluish-Green |
| C6 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| C6 | 11 May 2017 | Wave Period (sec) | 13 |
| C6 | 11 May 2017 | Sea State | Light chop |
| C6 | 11 May 2017 | High Tide (ft) | 3.8 |
| C6 | 11 May 2017 | High Tide Time | 1031 |
| C6 | 11 May 2017 | Low Tide (ft) | -0.4 |
| C6 | 11 May 2017 | Low Tide Time | 425 |
| C6 | 11 May 2017 | Comments | Kelp |
| | | | |
| C6 | 19 May 2017 | Depth (m) | 10 |
| C6 | 19 May 2017 | Arrive Time | 918 |
| C6 | 19 May 2017 | Depart Time | 925 |
| C6 | 19 May 2017 | Air Temp (C) | 17 |
| C6 | 19 May 2017 | Weather | Clear |
| C6 | 19 May 2017 | Visibility (mi) | 8 |
| C6 | 19 May 2017 | Wind Speed (kts) | 8 |
| C6 | 19 May 2017 | Wind Dir | SW |
| C6 | 19 May 2017 | Water Color | Green |
| C6 | 19 May 2017 | Wave Ht Low (ft) | 4 |
| C6 | 19 May 2017 | Wave Period (sec) | 13 |
| C6 | 19 May 2017 | Sea State | Calm |
| C6 | 19 May 2017 | High Tide (ft) | 3.7 |
| C6 | 19 May 2017 | High Tide Time | 344 |
| C6 | 19 May 2017 | Low Tide (ft) | 0.5 |
| C6 | 19 May 2017 | Low Tide Time | 1054 |
| C6 | 19 May 2017 | Comments | Kelp |
| | | | |
| C6 | 25 May 2017 | Depth (m) | 10 |
| C6 | 25 May 2017 | Arrive Time | 924 |
| C6 | 25 May 2017 | Depart Time | 930 |
| C6 | 25 May 2017 | Air Temp (C) | 16 |
| C6 | 25 May 2017 | Weather | Overcast |
| C6 | 25 May 2017 | Visibility (mi) | 6 |
| C6 | 25 May 2017 | Wind Speed (kts) | 1 |
| C6 | 25 May 2017 | Wind Dir | SE |
| C6 | 25 May 2017 | Water Color | Bluish-Green |
| C6 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| C6 | 25 May 2017 | Wave Period (sec) | 13 |
| C6 | 25 May 2017 | Sea State | Wind ripples |
| C6 | 25 May 2017 | High Tide (ft) | 4.3 |
| C6 | 25 May 2017 | High Tide Time | 949 |
| C6 | 25 May 2017 | Low Tide (ft) | 0.9 |
| C6 | 25 May 2017 | Low Tide Time | 1515 |
| C6 | 25 May 2017 | Comments | |
| | | | |
| C6 | 30 May 2017 | Depth (m) | 9 |
| C6 | 30 May 2017 | Arrive Time | 917 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C6 | 30 May 2017 | Depart Time | 920 |
| C6 | 30 May 2017 | Air Temp (C) | 16 |
| C6 | 30 May 2017 | Weather | Continuous layer of clouds |
| C6 | 30 May 2017 | Visibility (mi) | 6 |
| C6 | 30 May 2017 | Wind Speed (kts) | 3 |
| C6 | 30 May 2017 | Wind Dir | NW |
| C6 | 30 May 2017 | Water Color | Green |
| C6 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| C6 | 30 May 2017 | Wave Period (sec) | 13 |
| C6 | 30 May 2017 | Sea State | Light chop |
| C6 | 30 May 2017 | High Tide (ft) | 3.9 |
| C6 | 30 May 2017 | High Tide Time | 1456 |
| C6 | 30 May 2017 | Low Tide (ft) | -0.5 |
| C6 | 30 May 2017 | Low Tide Time | 805 |
| C6 | 30 May 2017 | Comments | |
| | | | |
| A7 | 01 May 2017 | Depth (m) | 18 |
| A7 | 01 May 2017 | Arrive Time | 801 |
| A7 | 01 May 2017 | Depart Time | 806 |
| A7 | 01 May 2017 | Air Temp (C) | 16 |
| A7 | 01 May 2017 | Weather | Clear |
| A7 | 01 May 2017 | Visibility (mi) | 12 |
| A7 | 01 May 2017 | Wind Speed (kts) | 2 |
| A7 | 01 May 2017 | Wind Dir | NE |
| A7 | 01 May 2017 | Water Color | Greenish-Brown |
| A7 | 01 May 2017 | Wave Ht Low (ft) | 2 |
| A7 | 01 May 2017 | Wave Period (sec) | 9 |
| A7 | 01 May 2017 | Sea State | Calm |
| A7 | 01 May 2017 | High Tide (ft) | 3.5 |
| A7 | 01 May 2017 | High Tide Time | 1525 |
| A7 | 01 May 2017 | Low Tide (ft) | -0.4 |
| A7 | 01 May 2017 | Low Tide Time | 830 |
| A7 | 01 May 2017 | Comments | |
| | | | |
| A7 | 11 May 2017 | Depth (m) | 19 |
| A7 | 11 May 2017 | Arrive Time | 812 |
| A7 | 11 May 2017 | Depart Time | 823 |
| A7 | 11 May 2017 | Air Temp (C) | 16 |
| A7 | 11 May 2017 | Weather | Partly Cloudy |
| A7 | 11 May 2017 | Visibility (mi) | 11 |
| A7 | 11 May 2017 | Wind Speed (kts) | 7 |
| A7 | 11 May 2017 | Wind Dir | NW |
| A7 | 11 May 2017 | Water Color | Bluish-Green |
| A7 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| A7 | 11 May 2017 | Wave Period (sec) | 13 |
| A7 | 11 May 2017 | Sea State | Wind ripples |
| A7 | 11 May 2017 | High Tide (ft) | 3.8 |
| A7 | 11 May 2017 | High Tide Time | 1031 |
| A7 | 11 May 2017 | Low Tide (ft) | -0.4 |
| A7 | 11 May 2017 | Low Tide Time | 425 |
| A7 | 11 May 2017 | Comments | |
| | | | |
| A7 | 19 May 2017 | Depth (m) | 18 |
| A7 | 19 May 2017 | Arrive Time | 815 |
| A7 | 19 May 2017 | Depart Time | 818 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| A7 | 19 May 2017 | Air Temp (C) | 17 |
| A7 | 19 May 2017 | Weather | Clear |
| A7 | 19 May 2017 | Visibility (mi) | 8 |
| A7 | 19 May 2017 | Wind Speed (kts) | 7 |
| A7 | 19 May 2017 | Wind Dir | S |
| A7 | 19 May 2017 | Water Color | Green |
| A7 | 19 May 2017 | Wave Ht Low (ft) | 3 |
| A7 | 19 May 2017 | Wave Period (sec) | 9 |
| A7 | 19 May 2017 | Sea State | Calm |
| A7 | 19 May 2017 | High Tide (ft) | 3.7 |
| A7 | 19 May 2017 | High Tide Time | 344 |
| A7 | 19 May 2017 | Low Tide (ft) | 0.5 |
| A7 | 19 May 2017 | Low Tide Time | 1054 |
| A7 | 19 May 2017 | Comments | Kelp |
| | | | |
| A7 | 25 May 2017 | Depth (m) | 19 |
| A7 | 25 May 2017 | Arrive Time | 817 |
| A7 | 25 May 2017 | Depart Time | 825 |
| A7 | 25 May 2017 | Air Temp (C) | 16 |
| A7 | 25 May 2017 | Weather | Overcast |
| A7 | 25 May 2017 | Visibility (mi) | 6 |
| A7 | 25 May 2017 | Wind Speed (kts) | 2 |
| A7 | 25 May 2017 | Wind Dir | N |
| A7 | 25 May 2017 | Water Color | Bluish-Green |
| A7 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| A7 | 25 May 2017 | Wave Period (sec) | 13 |
| A7 | 25 May 2017 | Sea State | Wind ripples |
| A7 | 25 May 2017 | High Tide (ft) | 4.3 |
| A7 | 25 May 2017 | High Tide Time | 949 |
| A7 | 25 May 2017 | Low Tide (ft) | 0.9 |
| A7 | 25 May 2017 | Low Tide Time | 1515 |
| A7 | 25 May 2017 | Comments | |
| | | | |
| A7 | 30 May 2017 | Depth (m) | 18 |
| A7 | 30 May 2017 | Arrive Time | 810 |
| A7 | 30 May 2017 | Depart Time | 814 |
| A7 | 30 May 2017 | Air Temp (C) | 15 |
| A7 | 30 May 2017 | Weather | Drizzle |
| A7 | 30 May 2017 | Visibility (mi) | 4 |
| A7 | 30 May 2017 | Wind Speed (kts) | 3 |
| A7 | 30 May 2017 | Wind Dir | W |
| A7 | 30 May 2017 | Water Color | Brownish-Green |
| A7 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| A7 | 30 May 2017 | Wave Period (sec) | 13 |
| A7 | 30 May 2017 | Sea State | Calm |
| A7 | 30 May 2017 | High Tide (ft) | 3.9 |
| A7 | 30 May 2017 | High Tide Time | 1456 |
| A7 | 30 May 2017 | Low Tide (ft) | -0.5 |
| A7 | 30 May 2017 | Low Tide Time | 805 |
| A7 | 30 May 2017 | Comments | |
| | | | |
| C7 | 01 May 2017 | Depth (m) | 18 |
| C7 | 01 May 2017 | Arrive Time | 827 |
| C7 | 01 May 2017 | Depart Time | 832 |
| C7 | 01 May 2017 | Air Temp (C) | 16 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C7 | 01 May 2017 | Weather | Clear |
| C7 | 01 May 2017 | Visibility (mi) | 12 |
| C7 | 01 May 2017 | Wind Speed (kts) | 5 |
| C7 | 01 May 2017 | Wind Dir | W |
| C7 | 01 May 2017 | Water Color | Greenish-Brown |
| C7 | 01 May 2017 | Wave Ht Low (ft) | 2 |
| C7 | 01 May 2017 | Wave Period (sec) | 9 |
| C7 | 01 May 2017 | Sea State | Calm |
| C7 | 01 May 2017 | High Tide (ft) | 3.5 |
| C7 | 01 May 2017 | High Tide Time | 1525 |
| C7 | 01 May 2017 | Low Tide (ft) | -0.4 |
| C7 | 01 May 2017 | Low Tide Time | 830 |
| C7 | 01 May 2017 | Comments | Kelp |
| | | | |
| C7 | 11 May 2017 | Depth (m) | 18 |
| C7 | 11 May 2017 | Arrive Time | 852 |
| C7 | 11 May 2017 | Depart Time | 857 |
| C7 | 11 May 2017 | Air Temp (C) | 16 |
| C7 | 11 May 2017 | Weather | Haze |
| C7 | 11 May 2017 | Visibility (mi) | 12 |
| C7 | 11 May 2017 | Wind Speed (kts) | 6 |
| C7 | 11 May 2017 | Wind Dir | W |
| C7 | 11 May 2017 | Water Color | Bluish-Green |
| C7 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| C7 | 11 May 2017 | Wave Period (sec) | 13 |
| C7 | 11 May 2017 | Sea State | Wind ripples |
| C7 | 11 May 2017 | High Tide (ft) | 3.8 |
| C7 | 11 May 2017 | High Tide Time | 1031 |
| C7 | 11 May 2017 | Low Tide (ft) | -0.4 |
| C7 | 11 May 2017 | Low Tide Time | 425 |
| C7 | 11 May 2017 | Comments | |
| | | | |
| C7 | 19 May 2017 | Depth (m) | 19 |
| C7 | 19 May 2017 | Arrive Time | 845 |
| C7 | 19 May 2017 | Depart Time | 851 |
| C7 | 19 May 2017 | Air Temp (C) | 17 |
| C7 | 19 May 2017 | Weather | Clear |
| C7 | 19 May 2017 | Visibility (mi) | 8 |
| C7 | 19 May 2017 | Wind Speed (kts) | 6 |
| C7 | 19 May 2017 | Wind Dir | N |
| C7 | 19 May 2017 | Water Color | Green |
| C7 | 19 May 2017 | Wave Ht Low (ft) | 4 |
| C7 | 19 May 2017 | Wave Period (sec) | 13 |
| C7 | 19 May 2017 | Sea State | Calm |
| C7 | 19 May 2017 | High Tide (ft) | 3.7 |
| C7 | 19 May 2017 | High Tide Time | 344 |
| C7 | 19 May 2017 | Low Tide (ft) | 0.5 |
| C7 | 19 May 2017 | Low Tide Time | 1054 |
| C7 | 19 May 2017 | Comments | Boats |
| | | | |
| C7 | 25 May 2017 | Depth (m) | 17 |
| C7 | 25 May 2017 | Arrive Time | 847 |
| C7 | 25 May 2017 | Depart Time | 852 |
| C7 | 25 May 2017 | Air Temp (C) | 16 |
| C7 | 25 May 2017 | Weather | Overcast |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C7 | 25 May 2017 | Visibility (mi) | 6 |
| C7 | 25 May 2017 | Wind Speed (kts) | 3 |
| C7 | 25 May 2017 | Wind Dir | S |
| C7 | 25 May 2017 | Water Color | Bluish-Green |
| C7 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| C7 | 25 May 2017 | Wave Period (sec) | 13 |
| C7 | 25 May 2017 | Sea State | Wind ripples |
| C7 | 25 May 2017 | High Tide (ft) | 4.3 |
| C7 | 25 May 2017 | High Tide Time | 949 |
| C7 | 25 May 2017 | Low Tide (ft) | 0.9 |
| C7 | 25 May 2017 | Low Tide Time | 1515 |
| C7 | 25 May 2017 | Comments | |
| | | | |
| C7 | 30 May 2017 | Depth (m) | 17 |
| C7 | 30 May 2017 | Arrive Time | 842 |
| C7 | 30 May 2017 | Depart Time | 845 |
| C7 | 30 May 2017 | Air Temp (C) | 15 |
| C7 | 30 May 2017 | Weather | Drizzle |
| C7 | 30 May 2017 | Visibility (mi) | 4 |
| C7 | 30 May 2017 | Wind Speed (kts) | 7 |
| C7 | 30 May 2017 | Wind Dir | SW |
| C7 | 30 May 2017 | Water Color | Brownish-Green |
| C7 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| C7 | 30 May 2017 | Wave Period (sec) | 13 |
| C7 | 30 May 2017 | Sea State | Calm |
| C7 | 30 May 2017 | High Tide (ft) | 3.9 |
| C7 | 30 May 2017 | High Tide Time | 1456 |
| C7 | 30 May 2017 | Low Tide (ft) | -0.5 |
| C7 | 30 May 2017 | Low Tide Time | 805 |
| C7 | 30 May 2017 | Comments | Unable to ohbtain station depth of 18 m within 0.05 nm of station due to low tide |
| | | | |
| C8 | 01 May 2017 | Depth (m) | 18 |
| C8 | 01 May 2017 | Arrive Time | 842 |
| C8 | 01 May 2017 | Depart Time | 849 |
| C8 | 01 May 2017 | Air Temp (C) | 16 |
| C8 | 01 May 2017 | Weather | Clear |
| C8 | 01 May 2017 | Visibility (mi) | 12 |
| C8 | 01 May 2017 | Wind Speed (kts) | 1 |
| C8 | 01 May 2017 | Wind Dir | S |
| C8 | 01 May 2017 | Water Color | Greenish-Brown |
| C8 | 01 May 2017 | Wave Ht Low (ft) | 2 |
| C8 | 01 May 2017 | Wave Period (sec) | 9 |
| C8 | 01 May 2017 | Sea State | Calm |
| C8 | 01 May 2017 | High Tide (ft) | 3.5 |
| C8 | 01 May 2017 | High Tide Time | 1525 |
| C8 | 01 May 2017 | Low Tide (ft) | -0.4 |
| C8 | 01 May 2017 | Low Tide Time | 830 |
| C8 | 01 May 2017 | Comments | Kelp |
| | | | |
| C8 | 11 May 2017 | Depth (m) | 18 |
| C8 | 11 May 2017 | Arrive Time | 905 |
| C8 | 11 May 2017 | Depart Time | 910 |
| C8 | 11 May 2017 | Air Temp (C) | 16 |
| C8 | 11 May 2017 | Weather | Haze |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C8 | 11 May 2017 | Visibility (mi) | 12 |
| C8 | 11 May 2017 | Wind Speed (kts) | 6 |
| C8 | 11 May 2017 | Wind Dir | SW |
| C8 | 11 May 2017 | Water Color | Bluish-Green |
| C8 | 11 May 2017 | Wave Ht Low (ft) | 3 |
| C8 | 11 May 2017 | Wave Period (sec) | 13 |
| C8 | 11 May 2017 | Sea State | Light chop |
| C8 | 11 May 2017 | High Tide (ft) | 3.8 |
| C8 | 11 May 2017 | High Tide Time | 1031 |
| C8 | 11 May 2017 | Low Tide (ft) | -0.4 |
| C8 | 11 May 2017 | Low Tide Time | 425 |
| C8 | 11 May 2017 | Comments | |
| | | | |
| C8 | 19 May 2017 | Depth (m) | 18 |
| C8 | 19 May 2017 | Arrive Time | 858 |
| C8 | 19 May 2017 | Depart Time | 901 |
| C8 | 19 May 2017 | Air Temp (C) | 17 |
| C8 | 19 May 2017 | Weather | Clear |
| C8 | 19 May 2017 | Visibility (mi) | 8 |
| C8 | 19 May 2017 | Wind Speed (kts) | 7 |
| C8 | 19 May 2017 | Wind Dir | SE |
| C8 | 19 May 2017 | Water Color | Green |
| C8 | 19 May 2017 | Wave Ht Low (ft) | 4 |
| C8 | 19 May 2017 | Wave Period (sec) | 13 |
| C8 | 19 May 2017 | Sea State | Calm |
| C8 | 19 May 2017 | High Tide (ft) | 3.7 |
| C8 | 19 May 2017 | High Tide Time | 344 |
| C8 | 19 May 2017 | Low Tide (ft) | 0.5 |
| C8 | 19 May 2017 | Low Tide Time | 1054 |
| C8 | 19 May 2017 | Comments | Kelp; surfgrass; Kelp debris |
| | | | |
| C8 | 25 May 2017 | Depth (m) | 19 |
| C8 | 25 May 2017 | Arrive Time | 900 |
| C8 | 25 May 2017 | Depart Time | 907 |
| C8 | 25 May 2017 | Air Temp (C) | 16 |
| C8 | 25 May 2017 | Weather | Overcast |
| C8 | 25 May 2017 | Visibility (mi) | 6 |
| C8 | 25 May 2017 | Wind Speed (kts) | 2 |
| C8 | 25 May 2017 | Wind Dir | SW |
| C8 | 25 May 2017 | Water Color | Bluish-Green |
| C8 | 25 May 2017 | Wave Ht Low (ft) | 4 |
| C8 | 25 May 2017 | Wave Period (sec) | 13 |
| C8 | 25 May 2017 | Sea State | Wind ripples |
| C8 | 25 May 2017 | High Tide (ft) | 4.3 |
| C8 | 25 May 2017 | High Tide Time | 949 |
| C8 | 25 May 2017 | Low Tide (ft) | 0.9 |
| C8 | 25 May 2017 | Low Tide Time | 1515 |
| C8 | 25 May 2017 | Comments | |
| | | | |
| C8 | 30 May 2017 | Depth (m) | 18 |
| C8 | 30 May 2017 | Arrive Time | 853 |
| C8 | 30 May 2017 | Depart Time | 858 |
| C8 | 30 May 2017 | Air Temp (C) | 16 |
| C8 | 30 May 2017 | Weather | Continuous layer of clouds |
| C8 | 30 May 2017 | Visibility (mi) | 6 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| C8 | 30 May 2017 | Wind Speed (kts) | 3 |
| C8 | 30 May 2017 | Wind Dir | N |
| C8 | 30 May 2017 | Water Color | Brownish-Green |
| C8 | 30 May 2017 | Wave Ht Low (ft) | 3 |
| C8 | 30 May 2017 | Wave Period (sec) | 13 |
| C8 | 30 May 2017 | Sea State | Light chop |
| C8 | 30 May 2017 | High Tide (ft) | 3.9 |
| C8 | 30 May 2017 | High Tide Time | 1456 |
| C8 | 30 May 2017 | Low Tide (ft) | -0.5 |
| C8 | 30 May 2017 | Low Tide Time | 805 |
| C8 | 30 May 2017 | Comments | |

**Table 3.10**

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

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A1 | 01 May 2017 | 1 | 16.08 | 78.22 | 8.0 | 33.50 | 8.1 | 24.6 | 1.40 |
| A1 | 01 May 2017 | 2 | 16.08 | 78.57 | 7.8 | 33.50 | 8.1 | 24.6 | 1.90 |
| A1 | 01 May 2017 | 3 | 15.79 | 78.38 | 7.6 | 33.52 | 8.1 | 24.7 | 2.37 |
| A1 | 01 May 2017 | 4 | 15.60 | 78.28 | 7.3 | 33.50 | 8.1 | 24.7 | 2.71 |
| A1 | 01 May 2017 | 5 | 14.83 | 78.36 | 6.8 | 33.51 | 8.0 | 24.9 | 3.67 |
| A1 | 01 May 2017 | 6 | 14.29 | 79.64 | 6.4 | 33.51 | 8.0 | 25.0 | 4.33 |
| A1 | 01 May 2017 | 7 | 13.06 | 80.28 | 6.4 | 33.49 | 8.0 | 25.2 | 5.42 |
| A1 | 01 May 2017 | 8 | 12.59 | 80.97 | 6.6 | 33.45 | 7.9 | 25.3 | 5.78 |
| A1 | 01 May 2017 | 9 | 12.47 | 81.25 | 6.6 | 33.42 | 7.9 | 25.3 | 5.72 |
| A1 | 01 May 2017 | 10 | 12.44 | 81.72 | 6.5 | 33.42 | 7.9 | 25.3 | 5.88 |
| A1 | 01 May 2017 | 11 | 12.25 | 81.78 | 6.4 | 33.41 | 7.9 | 25.3 | 5.30 |
| A1 | 01 May 2017 | 12 | 12.15 | 82.37 | 6.3 | 33.42 | 7.9 | 25.3 | 4.90 |
| A1 | 01 May 2017 | 13 | 12.10 | 82.30 | 6.1 | 33.43 | 7.9 | 25.3 | 4.61 |
| A1 | 01 May 2017 | 14 | 12.04 | 81.73 | 6.0 | 33.45 | 7.9 | 25.4 | 4.34 |
| A1 | 01 May 2017 | 15 | 12.01 | 81.62 | 5.8 | 33.46 | 7.9 | 25.4 | 3.86 |
| A1 | 01 May 2017 | 16 | 11.97 | 81.76 | 5.3 | 33.47 | 7.9 | 25.4 | 3.44 |
| A1 | 01 May 2017 | 17 | 11.83 | 81.06 | 4.7 | 33.49 | 7.8 | 25.5 | 2.49 |
| A1 | 01 May 2017 | 18 | 11.65 | 81.47 | 4.1 | 33.51 | 7.8 | 25.5 | 1.98 |
| A1 | 01 May 2017 | 19 | 11.29 | 82.37 | 4.2 | 33.55 | 7.8 | 25.6 | 2.31 |
| A1 | 01 May 2017 | 20 | 11.31 | 82.58 | 4.5 | 33.55 | 7.7 | 25.6 | 2.27 |
| | | | | | | | | | |
| A1 | 11 May 2017 | 1 | 16.06 | 77.16 | 8.1 | 33.47 | 8.1 | 24.6 | 2.93 |
| A1 | 11 May 2017 | 2 | 16.06 | 77.32 | 8.1 | 33.47 | 8.1 | 24.6 | 3.32 |
| A1 | 11 May 2017 | 3 | 16.05 | 77.37 | 7.9 | 33.47 | 8.1 | 24.6 | 5.00 |
| A1 | 11 May 2017 | 4 | 15.99 | 77.26 | 7.1 | 33.47 | 8.1 | 24.6 | 4.40 |
| A1 | 11 May 2017 | 5 | 15.46 | 75.29 | 6.5 | 33.47 | 8.1 | 24.7 | 3.38 |
| A1 | 11 May 2017 | 6 | 15.07 | 78.60 | 6.3 | 33.48 | 8.1 | 24.8 | 2.49 |
| A1 | 11 May 2017 | 7 | 14.90 | 81.30 | 6.0 | 33.47 | 8.0 | 24.8 | 1.67 |
| A1 | 11 May 2017 | 8 | 14.45 | 83.51 | 5.7 | 33.48 | 8.0 | 24.9 | 1.30 |
| A1 | 11 May 2017 | 9 | 14.14 | 86.03 | 5.5 | 33.48 | 8.0 | 25.0 | 1.16 |
| A1 | 11 May 2017 | 10 | 13.75 | 87.12 | 5.2 | 33.48 | 8.0 | 25.1 | 1.01 |
| A1 | 11 May 2017 | 11 | 13.21 | 87.68 | 5.1 | 33.48 | 7.9 | 25.2 | 0.91 |
| A1 | 11 May 2017 | 12 | 12.90 | 88.20 | 5.0 | 33.48 | 7.9 | 25.2 | 0.79 |
| A1 | 11 May 2017 | 13 | 12.73 | 88.54 | 5.0 | 33.48 | 7.9 | 25.3 | 0.74 |
| A1 | 11 May 2017 | 14 | 12.66 | 88.72 | 5.0 | 33.49 | 7.9 | 25.3 | 0.71 |
| A1 | 11 May 2017 | 15 | 12.62 | 88.84 | 5.0 | 33.49 | 7.9 | 25.3 | 0.75 |
| A1 | 11 May 2017 | 16 | 12.62 | 88.86 | 5.0 | 33.49 | 7.9 | 25.3 | 0.62 |
| A1 | 11 May 2017 | 17 | 12.54 | 88.58 | 4.6 | 33.50 | 7.9 | 25.3 | 0.53 |
| A1 | 11 May 2017 | 18 | 12.23 | 88.50 | 4.5 | 33.51 | 7.8 | 25.4 | 0.59 |
| | | | | | | | | | |
| A1 | 19 May 2017 | 1 | 17.19 | 80.58 | 8.4 | 33.53 | 8.2 | 24.3 | 2.91 |
| A1 | 19 May 2017 | 2 | 17.20 | 79.62 | 8.2 | 33.53 | 8.2 | 24.3 | 3.73 |
| A1 | 19 May 2017 | 3 | 16.95 | 80.47 | 7.9 | 33.53 | 8.2 | 24.4 | 3.79 |
| A1 | 19 May 2017 | 4 | 16.78 | 78.81 | 7.8 | 33.52 | 8.2 | 24.4 | 3.68 |
| A1 | 19 May 2017 | 5 | 16.47 | 74.31 | 7.6 | 33.52 | 8.1 | 24.5 | 3.57 |
| A1 | 19 May 2017 | 6 | 16.34 | 75.50 | 6.8 | 33.52 | 8.1 | 24.5 | 3.39 |
| A1 | 19 May 2017 | 7 | 15.69 | 76.61 | 5.4 | 33.49 | 8.1 | 24.7 | 2.65 |
| A1 | 19 May 2017 | 8 | 14.81 | 78.24 | 3.9 | 33.49 | 8.1 | 24.8 | 2.27 |
| A1 | 19 May 2017 | 9 | 12.42 | 78.92 | 3.5 | 33.49 | 7.9 | 25.3 | 2.15 |
| A1 | 19 May 2017 | 10 | 11.88 | 82.95 | 3.9 | 33.49 | 7.8 | 25.4 | 2.14 |
| A1 | 19 May 2017 | 11 | 11.66 | 84.19 | 4.2 | 33.48 | 7.8 | 25.5 | 2.10 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A1 | 19 May 2017 | 12 | 11.55 | 85.60 | 4.3 | 33.48 | 7.8 | 25.5 | 2.03 |
| A1 | 19 May 2017 | 13 | 11.53 | 86.14 | 4.4 | 33.48 | 7.8 | 25.5 | 1.93 |
| A1 | 19 May 2017 | 14 | 11.51 | 86.31 | 4.2 | 33.49 | 7.8 | 25.5 | 1.25 |
| A1 | 19 May 2017 | 15 | 11.50 | 86.22 | 3.9 | 33.49 | 7.8 | 25.5 | 0.75 |
| A1 | 19 May 2017 | 16 | 11.33 | 86.43 | 3.7 | 33.50 | 7.8 | 25.5 | 0.61 |
| A1 | 19 May 2017 | 17 | 11.10 | 87.18 | 3.6 | 33.52 | 7.7 | 25.6 | 0.46 |
| A1 | 19 May 2017 | 18 | 11.05 | 89.01 | 3.7 | 33.53 | 7.7 | 25.6 | 0.44 |
| A1 | 19 May 2017 | 19 | 11.01 | 89.67 | 3.8 | 33.53 | 7.7 | 25.6 | 0.45 |
| | | | | | | | | | |
| A1 | 25 May 2017 | 1 | 15.23 | 75.17 | 7.8 | 33.48 | 8.2 | 24.8 | 7.28 |
| A1 | 25 May 2017 | 2 | 14.99 | 75.09 | 7.6 | 33.59 | 8.2 | 24.9 | 7.30 |
| A1 | 25 May 2017 | 3 | 13.44 | 74.74 | 7.1 | 33.78 | 8.1 | 25.4 | 6.97 |
| A1 | 25 May 2017 | 4 | 12.74 | 74.28 | 6.3 | 33.64 | 8.0 | 25.4 | 7.15 |
| A1 | 25 May 2017 | 5 | 12.46 | 74.78 | 5.9 | 33.60 | 8.0 | 25.4 | 7.53 |
| A1 | 25 May 2017 | 6 | 12.27 | 76.11 | 5.7 | 33.61 | 8.0 | 25.5 | 7.59 |
| A1 | 25 May 2017 | 7 | 11.92 | 77.40 | 5.5 | 33.62 | 8.0 | 25.5 | 7.39 |
| A1 | 25 May 2017 | 8 | 11.70 | 78.73 | 5.2 | 33.60 | 7.9 | 25.6 | 6.51 |
| A1 | 25 May 2017 | 9 | 11.65 | 80.35 | 4.9 | 33.60 | 7.9 | 25.6 | 6.24 |
| A1 | 25 May 2017 | 10 | 11.54 | 81.39 | 4.8 | 33.60 | 7.9 | 25.6 | 5.52 |
| A1 | 25 May 2017 | 11 | 11.49 | 81.83 | 4.7 | 33.60 | 7.9 | 25.6 | 4.77 |
| A1 | 25 May 2017 | 12 | 11.27 | 82.23 | 4.5 | 33.65 | 7.9 | 25.7 | 4.27 |
| A1 | 25 May 2017 | 13 | 11.13 | 83.91 | 4.3 | 33.63 | 7.8 | 25.7 | 3.99 |
| A1 | 25 May 2017 | 14 | 11.10 | 85.67 | 4.1 | 33.63 | 7.8 | 25.7 | 3.46 |
| A1 | 25 May 2017 | 15 | 11.00 | 86.23 | 4.0 | 33.65 | 7.8 | 25.7 | 2.91 |
| A1 | 25 May 2017 | 16 | 10.88 | 86.99 | 3.8 | 33.64 | 7.8 | 25.7 | 2.52 |
| A1 | 25 May 2017 | 17 | 10.84 | 88.10 | 3.7 | 33.65 | 7.8 | 25.8 | 1.89 |
| A1 | 25 May 2017 | 18 | 10.81 | 88.93 | 3.6 | 33.64 | 7.8 | 25.8 | 1.73 |
| | | | | | | | | | |
| A1 | 30 May 2017 | 1 | 16.54 | 83.13 | 8.2 | 33.49 | 8.1 | 24.5 | 2.99 |
| A1 | 30 May 2017 | 2 | 16.56 | 83.02 | 7.8 | 33.48 | 8.1 | 24.5 | 3.38 |
| A1 | 30 May 2017 | 3 | 16.19 | 83.02 | 7.2 | 33.47 | 8.1 | 24.5 | 3.37 |
| A1 | 30 May 2017 | 4 | 15.50 | 82.27 | 6.6 | 33.48 | 8.1 | 24.7 | 3.44 |
| A1 | 30 May 2017 | 5 | 14.88 | 81.39 | 6.1 | 33.47 | 8.1 | 24.8 | 3.18 |
| A1 | 30 May 2017 | 6 | 14.14 | 81.70 | 5.9 | 33.49 | 8.0 | 25.0 | 2.99 |
| A1 | 30 May 2017 | 7 | 13.85 | 82.49 | 5.7 | 33.50 | 8.0 | 25.1 | 2.97 |
| A1 | 30 May 2017 | 8 | 13.63 | 82.89 | 5.7 | 33.49 | 8.0 | 25.1 | 3.00 |
| A1 | 30 May 2017 | 9 | 13.35 | 83.13 | 5.7 | 33.51 | 8.0 | 25.2 | 2.90 |
| A1 | 30 May 2017 | 10 | 13.32 | 83.62 | 5.8 | 33.51 | 7.9 | 25.2 | 3.09 |
| A1 | 30 May 2017 | 11 | 13.24 | 83.81 | 5.7 | 33.51 | 7.9 | 25.2 | 2.62 |
| A1 | 30 May 2017 | 12 | 13.15 | 83.85 | 5.5 | 33.51 | 7.9 | 25.2 | 2.63 |
| A1 | 30 May 2017 | 13 | 13.06 | 83.73 | 5.3 | 33.51 | 7.9 | 25.2 | 2.66 |
| A1 | 30 May 2017 | 14 | 12.90 | 84.01 | 4.9 | 33.52 | 7.9 | 25.3 | 2.14 |
| A1 | 30 May 2017 | 15 | 12.71 | 84.08 | 4.5 | 33.53 | 7.9 | 25.3 | 1.69 |
| A1 | 30 May 2017 | 16 | 12.54 | 84.43 | 3.9 | 33.54 | 7.9 | 25.3 | 1.42 |
| A1 | 30 May 2017 | 17 | 12.01 | 84.91 | 3.5 | 33.54 | 7.8 | 25.5 | 1.47 |
| A1 | 30 May 2017 | 18 | 11.40 | 85.56 | 3.6 | 33.56 | 7.8 | 25.6 | 1.40 |
| | | | | | | | | | |
| C4 | 01 May 2017 | 1 | 16.88 | 69.24 | 8.3 | 33.51 | 8.2 | 24.4 | 1.53 |
| C4 | 01 May 2017 | 2 | 16.68 | 69.65 | 8.1 | 33.51 | 8.2 | 24.4 | 2.39 |
| C4 | 01 May 2017 | 3 | 16.39 | 73.11 | 7.0 | 33.50 | 8.2 | 24.5 | 2.21 |
| C4 | 01 May 2017 | 4 | 15.40 | 75.27 | 5.9 | 33.51 | 8.1 | 24.7 | 1.36 |
| C4 | 01 May 2017 | 5 | 14.52 | 77.24 | 4.6 | 33.51 | 8.0 | 24.9 | 0.82 |
| C4 | 01 May 2017 | 6 | 13.45 | 80.92 | 3.9 | 33.51 | 8.0 | 25.1 | 0.60 |
| C4 | 01 May 2017 | 7 | 12.74 | 82.66 | 3.9 | 33.51 | 7.9 | 25.3 | 0.48 |
| C4 | 01 May 2017 | 8 | 12.17 | 83.32 | 3.9 | 33.52 | 7.8 | 25.4 | 0.45 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C4 | 01 May 2017 | 9 | 11.91 | 80.76 | 4.0 | 33.51 | 7.8 | 25.5 | 0.52 |
| C4 | 01 May 2017 | 10 | 11.76 | 76.08 | 4.1 | 33.52 | 7.8 | 25.5 | 0.49 |
| | | | | | | | | | |
| C4 | 11 May 2017 | 1 | 17.20 | 82.63 | 8.3 | 33.46 | 8.2 | 24.3 | 1.12 |
| C4 | 11 May 2017 | 2 | 17.11 | 82.25 | 8.2 | 33.46 | 8.2 | 24.3 | 2.49 |
| C4 | 11 May 2017 | 3 | 16.73 | 79.30 | 7.9 | 33.46 | 8.2 | 24.4 | 4.44 |
| C4 | 11 May 2017 | 4 | 16.25 | 76.87 | 7.2 | 33.46 | 8.2 | 24.5 | 3.58 |
| C4 | 11 May 2017 | 5 | 15.82 | 76.51 | 6.9 | 33.46 | 8.1 | 24.6 | 2.30 |
| C4 | 11 May 2017 | 6 | 15.67 | 81.69 | 6.5 | 33.46 | 8.1 | 24.6 | 1.22 |
| C4 | 11 May 2017 | 7 | 15.31 | 84.50 | 5.9 | 33.46 | 8.1 | 24.7 | 0.82 |
| C4 | 11 May 2017 | 8 | 14.89 | 86.34 | 5.6 | 33.47 | 8.1 | 24.8 | 0.53 |
| C4 | 11 May 2017 | 9 | 14.73 | 86.53 | 5.4 | 33.47 | 8.0 | 24.8 | 0.40 |
| C4 | 11 May 2017 | 10 | 14.57 | 86.63 | 5.5 | 33.48 | 8.0 | 24.9 | 0.38 |
| | | | | | | | | | |
| C4 | 19 May 2017 | 1 | 17.87 | 77.72 | 7.8 | 33.55 | 8.2 | 24.2 | 0.52 |
| C4 | 19 May 2017 | 2 | 17.67 | 77.50 | 7.5 | 33.63 | 8.2 | 24.3 | 0.59 |
| C4 | 19 May 2017 | 3 | 17.01 | 76.11 | 7.0 | 33.66 | 8.1 | 24.5 | 1.14 |
| C4 | 19 May 2017 | 4 | 16.65 | 74.34 | 6.8 | 33.63 | 8.1 | 24.5 | 2.22 |
| C4 | 19 May 2017 | 5 | 16.17 | 72.92 | 6.4 | 33.67 | 8.1 | 24.7 | 3.07 |
| C4 | 19 May 2017 | 6 | 15.56 | 75.32 | 5.2 | 33.71 | 8.1 | 24.9 | 2.76 |
| C4 | 19 May 2017 | 7 | 13.78 | 82.88 | 3.6 | 33.84 | 8.0 | 25.3 | 1.85 |
| C4 | 19 May 2017 | 8 | 12.77 | 84.75 | 3.0 | 33.75 | 7.9 | 25.5 | 1.18 |
| C4 | 19 May 2017 | 9 | 12.23 | 85.54 | 3.0 | 33.70 | 7.8 | 25.5 | 0.93 |
| C4 | 19 May 2017 | 10 | 12.18 | 86.33 | 3.3 | 33.64 | 7.8 | 25.5 | 0.75 |
| C4 | 19 May 2017 | 11 | 12.03 | 85.92 | 3.5 | 33.60 | 7.7 | 25.5 | 0.50 |
| | | | | | | | | | |
| C4 | 25 May 2017 | 1 | 14.21 | 75.85 | 7.1 | 33.54 | 8.1 | 25.0 | 4.74 |
| C4 | 25 May 2017 | 2 | 14.12 | 76.41 | 7.0 | 33.60 | 8.1 | 25.1 | 4.88 |
| C4 | 25 May 2017 | 3 | 12.95 | 75.28 | 6.4 | 33.64 | 8.0 | 25.3 | 5.37 |
| C4 | 25 May 2017 | 4 | 12.75 | 74.82 | 5.9 | 33.59 | 8.0 | 25.4 | 6.22 |
| C4 | 25 May 2017 | 5 | 12.40 | 76.21 | 5.6 | 33.62 | 8.0 | 25.4 | 6.33 |
| C4 | 25 May 2017 | 6 | 12.19 | 79.06 | 5.4 | 33.61 | 7.9 | 25.5 | 6.20 |
| C4 | 25 May 2017 | 7 | 11.97 | 81.79 | 5.1 | 33.60 | 7.9 | 25.5 | 5.54 |
| C4 | 25 May 2017 | 8 | 11.96 | 83.93 | 5.0 | 33.59 | 7.9 | 25.5 | 4.51 |
| C4 | 25 May 2017 | 9 | 11.63 | 85.88 | 4.7 | 33.65 | 7.9 | 25.6 | 3.99 |
| C4 | 25 May 2017 | 10 | 11.41 | 87.09 | 4.3 | 33.63 | 7.8 | 25.6 | 3.14 |
| | | | | | | | | | |
| C4 | 30 May 2017 | 1 | 16.22 | 80.89 | 7.5 | 33.51 | 8.1 | 24.6 | 1.69 |
| C4 | 30 May 2017 | 2 | 16.18 | 80.95 | 7.1 | 33.51 | 8.1 | 24.6 | 1.50 |
| C4 | 30 May 2017 | 3 | 15.94 | 80.86 | 6.4 | 33.50 | 8.1 | 24.6 | 1.33 |
| C4 | 30 May 2017 | 4 | 15.78 | 80.93 | 5.6 | 33.51 | 8.1 | 24.6 | 1.23 |
| C4 | 30 May 2017 | 5 | 15.14 | 80.89 | 4.5 | 33.49 | 8.1 | 24.8 | 0.87 |
| C4 | 30 May 2017 | 6 | 14.29 | 81.01 | 3.4 | 33.55 | 8.0 | 25.0 | 0.74 |
| C4 | 30 May 2017 | 7 | 13.69 | 81.49 | 2.6 | 33.47 | 7.9 | 25.1 | 0.66 |
| C4 | 30 May 2017 | 8 | 12.19 | 81.69 | 2.4 | 33.57 | 7.8 | 25.4 | 0.61 |
| C4 | 30 May 2017 | 9 | 12.12 | 80.54 | 2.7 | 33.51 | 7.7 | 25.4 | 0.66 |
| C4 | 30 May 2017 | 10 | 11.68 | 77.62 | 3.5 | 33.55 | 7.7 | 25.5 | 0.70 |
| | | | | | | | | | |
| C5 | 01 May 2017 | 1 | 16.21 | 73.43 | 7.1 | 33.51 | 8.1 | 24.6 | 1.40 |
| C5 | 01 May 2017 | 2 | 15.55 | 73.59 | 5.8 | 33.49 | 8.1 | 24.7 | 1.53 |
| C5 | 01 May 2017 | 3 | 13.90 | 75.25 | 5.5 | 33.53 | 8.0 | 25.1 | 1.46 |
| C5 | 01 May 2017 | 4 | 13.60 | 77.87 | 5.1 | 33.51 | 8.0 | 25.1 | 1.33 |
| C5 | 01 May 2017 | 5 | 13.13 | 79.73 | 4.9 | 33.51 | 7.9 | 25.2 | 1.40 |
| C5 | 01 May 2017 | 6 | 12.83 | 80.54 | 4.9 | 33.51 | 7.9 | 25.3 | 1.51 |
| C5 | 01 May 2017 | 7 | 12.50 | 81.67 | 4.9 | 33.51 | 7.9 | 25.3 | 1.56 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C5 | 01 May 2017 | 8 | 12.27 | 81.99 | 4.7 | 33.50 | 7.8 | 25.4 | 1.28 |
| C5 | 01 May 2017 | 9 | 11.91 | 81.90 | 4.7 | 33.51 | 7.8 | 25.4 | 1.14 |
| C5 | 01 May 2017 | 10 | 11.82 | 79.99 | 4.9 | 33.51 | 7.8 | 25.5 | 1.34 |
| C5 | 11 May 2017 | 1 | 17.30 | 80.20 | 9.2 | 33.44 | 8.3 | 24.2 | 3.56 |
| C5 | 11 May 2017 | 2 | 17.23 | 80.41 | 9.2 | 33.44 | 8.3 | 24.3 | 9.26 |
| C5 | 11 May 2017 | 3 | 16.99 | 79.19 | 8.7 | 33.44 | 8.3 | 24.3 | 12.48 |
| C5 | 11 May 2017 | 4 | 16.74 | 67.42 | 7.3 | 33.43 | 8.2 | 24.4 | 7.02 |
| C5 | 11 May 2017 | 5 | 16.24 | 68.21 | 6.4 | 33.46 | 8.1 | 24.5 | 2.60 |
| C5 | 11 May 2017 | 6 | 15.84 | 75.19 | 6.3 | 33.46 | 8.1 | 24.6 | 1.68 |
| C5 | 11 May 2017 | 7 | 15.42 | 79.09 | 6.5 | 33.46 | 8.1 | 24.7 | 1.46 |
| C5 | 11 May 2017 | 8 | 15.18 | 84.76 | 6.2 | 33.46 | 8.1 | 24.7 | 1.10 |
| C5 | 11 May 2017 | 9 | 14.77 | 86.24 | 5.7 | 33.46 | 8.0 | 24.8 | 0.59 |
| C5 | 11 May 2017 | 10 | 14.23 | 87.04 | 5.7 | 33.48 | 8.0 | 25.0 | 0.63 |
| C5 | 11 May 2017 | 11 | 14.10 | 86.44 | 6.0 | 33.49 | 8.0 | 25.0 | 0.91 |
| C5 | 19 May 2017 | 1 | 17.86 | 83.93 | 8.7 | 33.53 | 8.2 | 24.2 | 0.98 |
| C5 | 19 May 2017 | 2 | 17.87 | 83.88 | 8.7 | 33.53 | 8.2 | 24.2 | 1.29 |
| C5 | 19 May 2017 | 3 | 17.85 | 84.01 | 8.6 | 33.52 | 8.2 | 24.2 | 1.62 |
| C5 | 19 May 2017 | 4 | 17.82 | 82.50 | 8.4 | 33.52 | 8.2 | 24.2 | 1.89 |
| C5 | 19 May 2017 | 5 | 17.79 | 82.22 | 8.2 | 33.52 | 8.2 | 24.2 | 1.90 |
| C5 | 19 May 2017 | 6 | 17.51 | 83.61 | 7.8 | 33.52 | 8.2 | 24.3 | 2.08 |
| C5 | 19 May 2017 | 7 | 17.14 | 85.95 | 7.3 | 33.54 | 8.2 | 24.4 | 1.72 |
| C5 | 19 May 2017 | 8 | 16.99 | 86.50 | 6.4 | 33.48 | 8.2 | 24.4 | 1.49 |
| C5 | 19 May 2017 | 9 | 16.16 | 86.60 | 5.6 | 33.51 | 8.2 | 24.6 | 1.29 |
| C5 | 19 May 2017 | 10 | 15.57 | 87.93 | 5.0 | 33.50 | 8.2 | 24.7 | 1.21 |
| C5 | 19 May 2017 | 11 | 14.04 | 88.55 | 4.9 | 33.51 | 8.1 | 25.0 | 0.92 |
| C5 | 25 May 2017 | 1 | 14.88 | 81.39 | 7.2 | 33.55 | 8.1 | 24.9 | 2.73 |
| C5 | 25 May 2017 | 2 | 14.73 | 81.19 | 7.0 | 33.58 | 8.1 | 24.9 | 2.18 |
| C5 | 25 May 2017 | 3 | 14.04 | 81.05 | 6.7 | 33.68 | 8.1 | 25.2 | 2.33 |
| C5 | 25 May 2017 | 4 | 13.72 | 81.74 | 6.5 | 33.84 | 8.1 | 25.3 | 2.31 |
| C5 | 25 May 2017 | 5 | 13.09 | 84.26 | 6.5 | 34.20 | 8.0 | 25.8 | 2.24 |
| C5 | 25 May 2017 | 6 | 12.59 | 86.02 | 6.1 | 33.95 | 7.9 | 25.7 | 2.33 |
| C5 | 25 May 2017 | 7 | 11.95 | 86.64 | 5.2 | 33.70 | 7.9 | 25.6 | 1.99 |
| C5 | 25 May 2017 | 8 | 11.75 | 88.76 | 4.5 | 33.64 | 7.9 | 25.6 | 1.59 |
| C5 | 25 May 2017 | 9 | 11.60 | 88.90 | 4.2 | 33.63 | 7.8 | 25.6 | 1.18 |
| C5 | 25 May 2017 | 10 | 11.40 | 88.79 | 4.0 | 33.65 | 7.8 | 25.6 | 0.90 |
| C5 | 25 May 2017 | 11 | 11.29 | 88.48 | 3.9 | 33.63 | 7.8 | 25.7 | 0.89 |
| C5 | 30 May 2017 | 1 | 16.41 | 82.35 | 8.1 | 33.50 | 8.1 | 24.5 | 2.02 |
| C5 | 30 May 2017 | 2 | 16.39 | 82.33 | 8.0 | 33.50 | 8.1 | 24.5 | 1.97 |
| C5 | 30 May 2017 | 3 | 16.31 | 82.44 | 7.3 | 33.50 | 8.1 | 24.5 | 1.56 |
| C5 | 30 May 2017 | 4 | 16.32 | 82.51 | 6.3 | 33.49 | 8.1 | 24.5 | 1.26 |
| C5 | 30 May 2017 | 5 | 15.61 | 82.44 | 5.5 | 33.49 | 8.1 | 24.7 | 0.96 |
| C5 | 30 May 2017 | 6 | 14.77 | 82.56 | 4.7 | 33.51 | 8.1 | 24.9 | 0.75 |
| C5 | 30 May 2017 | 7 | 13.98 | 83.39 | 4.1 | 33.52 | 8.0 | 25.0 | 0.69 |
| C5 | 30 May 2017 | 8 | 12.90 | 84.50 | 4.3 | 33.52 | 7.9 | 25.3 | 0.89 |
| C5 | 30 May 2017 | 9 | 12.39 | 84.00 | 5.2 | 33.56 | 7.8 | 25.4 | 0.87 |
| A6 | 01 May 2017 | 1 | 15.63 | 78.76 | 7.8 | 33.49 | 8.1 | 24.7 | 2.32 |
| A6 | 01 May 2017 | 2 | 14.94 | 78.86 | 7.4 | 33.50 | 8.1 | 24.8 | 4.07 |
| A6 | 01 May 2017 | 3 | 14.30 | 78.85 | 7.0 | 33.45 | 8.1 | 24.9 | 6.00 |
| A6 | 01 May 2017 | 4 | 13.23 | 80.17 | 7.0 | 33.40 | 8.0 | 25.1 | 6.77 |
| A6 | 01 May 2017 | 5 | 13.04 | 81.07 | 7.0 | 33.38 | 8.0 | 25.1 | 7.50 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A6 | 01 May 2017 | 6 | 12.83 | 81.44 | 6.9 | 33.38 | 8.0 | 25.2 | 7.54 |
| A6 | 01 May 2017 | 7 | 12.67 | 81.38 | 6.9 | 33.37 | 8.0 | 25.2 | 7.60 |
| A6 | 01 May 2017 | 8 | 12.59 | 82.06 | 7.0 | 33.38 | 8.0 | 25.2 | 7.14 |
| A6 | 01 May 2017 | 9 | 12.62 | 82.09 | 6.8 | 33.38 | 8.0 | 25.2 | 7.40 |
| A6 | 01 May 2017 | 10 | 12.52 | 82.49 | 6.8 | 33.38 | 8.0 | 25.2 | 6.32 |
| A6 | 01 May 2017 | 11 | 12.49 | 82.29 | 6.8 | 33.39 | 8.0 | 25.2 | 6.72 |
| A6 | 01 May 2017 | 12 | 12.49 | 82.81 | 6.7 | 33.39 | 8.0 | 25.2 | 6.22 |
| A6 | 01 May 2017 | 13 | 12.46 | 82.59 | 6.7 | 33.40 | 8.0 | 25.3 | 6.87 |
| A6 | 01 May 2017 | 14 | 12.45 | 82.95 | 6.6 | 33.40 | 8.0 | 25.3 | 6.43 |
| A6 | 01 May 2017 | 15 | 12.39 | 82.50 | 6.6 | 33.41 | 7.9 | 25.3 | 5.79 |
| A6 | 01 May 2017 | 16 | 12.40 | 82.77 | 6.4 | 33.41 | 7.9 | 25.3 | 5.00 |
| A6 | 01 May 2017 | 17 | 12.37 | 82.91 | 6.2 | 33.43 | 7.9 | 25.3 | 4.58 |
| A6 | 01 May 2017 | 18 | 12.35 | 83.04 | 6.0 | 33.44 | 7.9 | 25.3 | 4.32 |
| A6 | 01 May 2017 | 19 | 12.30 | 82.76 | 5.8 | 33.46 | 7.9 | 25.3 | 3.27 |
| A6 | 01 May 2017 | 20 | 12.24 | 82.61 | 5.4 | 33.47 | 7.9 | 25.4 | 2.64 |
| A6 | 01 May 2017 | 21 | 12.12 | 82.55 | 5.1 | 33.48 | 7.9 | 25.4 | 2.47 |
| | | | | | | | | | |
| A6 | 11 May 2017 | 1 | 16.73 | 79.07 | 8.7 | 33.44 | 8.2 | 24.4 | 2.33 |
| A6 | 11 May 2017 | 2 | 16.74 | 78.73 | 8.6 | 33.44 | 8.2 | 24.4 | 3.42 |
| A6 | 11 May 2017 | 3 | 16.69 | 78.06 | 8.4 | 33.44 | 8.2 | 24.4 | 4.56 |
| A6 | 11 May 2017 | 4 | 16.57 | 78.17 | 8.3 | 33.44 | 8.2 | 24.4 | 4.93 |
| A6 | 11 May 2017 | 5 | 16.50 | 77.84 | 8.1 | 33.45 | 8.2 | 24.4 | 5.32 |
| A6 | 11 May 2017 | 6 | 16.42 | 77.82 | 7.8 | 33.45 | 8.2 | 24.5 | 5.91 |
| A6 | 11 May 2017 | 7 | 16.22 | 77.33 | 7.2 | 33.46 | 8.2 | 24.5 | 5.00 |
| A6 | 11 May 2017 | 8 | 15.80 | 76.72 | 6.4 | 33.46 | 8.2 | 24.6 | 2.67 |
| A6 | 11 May 2017 | 9 | 15.33 | 78.75 | 5.6 | 33.46 | 8.1 | 24.7 | 1.54 |
| A6 | 11 May 2017 | 10 | 14.57 | 84.26 | 5.2 | 33.47 | 8.0 | 24.9 | 1.04 |
| A6 | 11 May 2017 | 11 | 13.78 | 87.43 | 4.9 | 33.48 | 8.0 | 25.1 | 0.86 |
| A6 | 11 May 2017 | 12 | 13.32 | 88.23 | 4.8 | 33.47 | 8.0 | 25.1 | 0.81 |
| A6 | 11 May 2017 | 13 | 12.86 | 88.32 | 4.6 | 33.47 | 7.9 | 25.2 | 0.90 |
| A6 | 11 May 2017 | 14 | 12.38 | 88.08 | 4.4 | 33.48 | 7.9 | 25.3 | 1.00 |
| A6 | 11 May 2017 | 15 | 12.02 | 87.59 | 4.4 | 33.48 | 7.8 | 25.4 | 0.77 |
| A6 | 11 May 2017 | 16 | 11.94 | 86.94 | 4.5 | 33.48 | 7.8 | 25.4 | 0.88 |
| A6 | 11 May 2017 | 17 | 11.94 | 87.30 | 4.6 | 33.48 | 7.8 | 25.4 | 0.92 |
| A6 | 11 May 2017 | 18 | 11.94 | 87.40 | 4.6 | 33.48 | 7.8 | 25.4 | 1.01 |
| A6 | 11 May 2017 | 19 | 11.94 | 87.50 | 4.5 | 33.49 | 7.8 | 25.4 | 0.88 |
| | | | | | | | | | |
| A6 | 19 May 2017 | 1 | 17.54 | 85.43 | 8.2 | 33.51 | 8.2 | 24.2 | 1.60 |
| A6 | 19 May 2017 | 2 | 17.59 | 85.36 | 7.5 | 33.51 | 8.2 | 24.2 | 2.62 |
| A6 | 19 May 2017 | 3 | 17.12 | 85.40 | 6.9 | 33.48 | 8.2 | 24.3 | 3.51 |
| A6 | 19 May 2017 | 4 | 15.69 | 82.88 | 6.5 | 33.50 | 8.1 | 24.7 | 2.94 |
| A6 | 19 May 2017 | 5 | 15.22 | 80.03 | 5.3 | 33.49 | 8.1 | 24.8 | 2.66 |
| A6 | 19 May 2017 | 6 | 14.60 | 77.03 | 4.1 | 33.47 | 8.1 | 24.9 | 2.53 |
| A6 | 19 May 2017 | 7 | 12.74 | 78.07 | 3.7 | 33.48 | 8.0 | 25.3 | 2.29 |
| A6 | 19 May 2017 | 8 | 11.78 | 82.70 | 3.9 | 33.49 | 7.8 | 25.5 | 1.98 |
| A6 | 19 May 2017 | 9 | 11.65 | 84.15 | 4.0 | 33.47 | 7.8 | 25.5 | 1.96 |
| A6 | 19 May 2017 | 10 | 11.49 | 85.17 | 4.2 | 33.47 | 7.8 | 25.5 | 1.81 |
| A6 | 19 May 2017 | 11 | 11.45 | 85.59 | 4.2 | 33.47 | 7.8 | 25.5 | 1.70 |
| A6 | 19 May 2017 | 12 | 11.36 | 85.98 | 4.2 | 33.48 | 7.8 | 25.5 | 1.54 |
| A6 | 19 May 2017 | 13 | 11.35 | 86.33 | 4.1 | 33.49 | 7.8 | 25.5 | 1.79 |
| A6 | 19 May 2017 | 14 | 11.24 | 86.74 | 4.0 | 33.49 | 7.8 | 25.6 | 1.12 |
| A6 | 19 May 2017 | 15 | 11.14 | 87.37 | 3.8 | 33.51 | 7.8 | 25.6 | 0.71 |
| A6 | 19 May 2017 | 16 | 11.15 | 87.27 | 3.5 | 33.50 | 7.8 | 25.6 | 0.48 |
| A6 | 19 May 2017 | 17 | 10.88 | 87.94 | 3.3 | 33.54 | 7.7 | 25.7 | 0.43 |
| A6 | 19 May 2017 | 18 | 10.65 | 88.73 | 3.2 | 33.57 | 7.7 | 25.7 | 0.38 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A6 | 19 May 2017 | 19 | 10.54 | 87.49 | 3.3 | 33.59 | 7.7 | 25.8 | 0.34 |
| A6 | 19 May 2017 | 20 | 10.52 | 84.25 | 3.3 | 33.59 | 7.7 | 25.8 | 0.33 |
| | | | | | | | | | |
| A6 | 25 May 2017 | 1 | 16.08 | 75.14 | 8.2 | 33.52 | 8.2 | 24.6 | 6.63 |
| A6 | 25 May 2017 | 2 | 16.02 | 74.94 | 8.2 | 33.53 | 8.2 | 24.6 | 6.32 |
| A6 | 25 May 2017 | 3 | 15.65 | 74.81 | 8.0 | 33.56 | 8.2 | 24.7 | 6.98 |
| A6 | 25 May 2017 | 4 | 14.55 | 74.12 | 7.4 | 33.74 | 8.2 | 25.1 | 7.34 |
| A6 | 25 May 2017 | 5 | 12.21 | 73.61 | 6.6 | 33.84 | 8.0 | 25.6 | 8.07 |
| A6 | 25 May 2017 | 6 | 11.61 | 75.89 | 5.3 | 33.70 | 7.9 | 25.6 | 7.70 |
| A6 | 25 May 2017 | 7 | 11.13 | 81.06 | 4.5 | 33.69 | 7.8 | 25.7 | 7.00 |
| A6 | 25 May 2017 | 8 | 10.95 | 85.86 | 4.2 | 33.66 | 7.8 | 25.7 | 4.51 |
| A6 | 25 May 2017 | 9 | 10.83 | 87.21 | 4.0 | 33.62 | 7.8 | 25.7 | 3.26 |
| A6 | 25 May 2017 | 10 | 10.76 | 87.87 | 3.9 | 33.65 | 7.8 | 25.8 | 2.59 |
| A6 | 25 May 2017 | 11 | 10.69 | 88.05 | 3.8 | 33.64 | 7.8 | 25.8 | 2.01 |
| A6 | 25 May 2017 | 12 | 10.64 | 88.63 | 3.8 | 33.64 | 7.8 | 25.8 | 1.89 |
| A6 | 25 May 2017 | 13 | 10.63 | 88.87 | 3.7 | 33.65 | 7.8 | 25.8 | 1.50 |
| A6 | 25 May 2017 | 14 | 10.60 | 88.94 | 3.6 | 33.65 | 7.8 | 25.8 | 1.35 |
| A6 | 25 May 2017 | 15 | 10.60 | 89.00 | 3.6 | 33.66 | 7.8 | 25.8 | 1.14 |
| A6 | 25 May 2017 | 16 | 10.59 | 89.14 | 3.6 | 33.66 | 7.8 | 25.8 | 1.00 |
| A6 | 25 May 2017 | 17 | 10.54 | 88.96 | 3.5 | 33.66 | 7.8 | 25.8 | 1.05 |
| A6 | 25 May 2017 | 18 | 10.54 | 89.02 | 3.5 | 33.67 | 7.8 | 25.8 | 1.02 |
| A6 | 25 May 2017 | 19 | 10.53 | 89.10 | 3.5 | 33.67 | 7.8 | 25.8 | 0.80 |
| A6 | 25 May 2017 | 20 | 10.49 | 89.00 | 3.4 | 33.69 | 7.8 | 25.8 | 0.80 |
| | | | | | | | | | |
| A6 | 30 May 2017 | 1 | 16.79 | 81.00 | 8.7 | 33.49 | 8.2 | 24.4 | 1.86 |
| A6 | 30 May 2017 | 2 | 16.79 | 80.92 | 8.6 | 33.49 | 8.2 | 24.4 | 2.02 |
| A6 | 30 May 2017 | 3 | 16.80 | 80.91 | 8.6 | 33.49 | 8.2 | 24.4 | 2.31 |
| A6 | 30 May 2017 | 4 | 16.76 | 81.07 | 8.2 | 33.49 | 8.2 | 24.4 | 2.71 |
| A6 | 30 May 2017 | 5 | 16.60 | 80.70 | 7.8 | 33.50 | 8.2 | 24.5 | 2.93 |
| A6 | 30 May 2017 | 6 | 16.29 | 80.78 | 7.5 | 33.50 | 8.2 | 24.5 | 2.90 |
| A6 | 30 May 2017 | 7 | 15.64 | 80.74 | 7.4 | 33.52 | 8.1 | 24.7 | 3.04 |
| A6 | 30 May 2017 | 8 | 15.54 | 81.13 | 7.3 | 33.51 | 8.1 | 24.7 | 3.06 |
| A6 | 30 May 2017 | 9 | 15.37 | 81.55 | 7.2 | 33.51 | 8.1 | 24.7 | 2.96 |
| A6 | 30 May 2017 | 10 | 15.22 | 81.74 | 7.1 | 33.51 | 8.1 | 24.8 | 3.20 |
| A6 | 30 May 2017 | 11 | 15.12 | 82.23 | 6.7 | 33.51 | 8.1 | 24.8 | 2.95 |
| A6 | 30 May 2017 | 12 | 14.97 | 82.27 | 6.0 | 33.51 | 8.1 | 24.8 | 2.85 |
| A6 | 30 May 2017 | 13 | 14.14 | 82.39 | 5.6 | 33.52 | 8.0 | 25.0 | 2.62 |
| A6 | 30 May 2017 | 14 | 13.46 | 82.89 | 5.5 | 33.54 | 8.0 | 25.2 | 2.29 |
| A6 | 30 May 2017 | 15 | 13.26 | 83.69 | 5.5 | 33.53 | 8.0 | 25.2 | 2.12 |
| A6 | 30 May 2017 | 16 | 13.20 | 84.29 | 5.3 | 33.53 | 8.0 | 25.2 | 1.86 |
| A6 | 30 May 2017 | 17 | 12.96 | 84.35 | 5.3 | 33.55 | 7.9 | 25.3 | 1.92 |
| A6 | 30 May 2017 | 18 | 12.80 | 85.01 | 5.3 | 33.55 | 7.9 | 25.3 | 1.97 |
| A6 | 30 May 2017 | 19 | 12.73 | 85.34 | 5.5 | 33.54 | 7.9 | 25.3 | 2.01 |
| | | | | | | | | | |
| C6 | 01 May 2017 | 1 | 16.63 | 78.34 | 8.0 | 33.50 | 8.2 | 24.4 | 1.08 |
| C6 | 01 May 2017 | 2 | 16.30 | 77.75 | 7.1 | 33.49 | 8.2 | 24.5 | 1.50 |
| C6 | 01 May 2017 | 3 | 14.81 | 76.55 | 5.8 | 33.48 | 8.1 | 24.8 | 1.69 |
| C6 | 01 May 2017 | 4 | 13.76 | 80.53 | 4.9 | 33.50 | 8.0 | 25.1 | 1.68 |
| C6 | 01 May 2017 | 5 | 12.97 | 82.25 | 4.3 | 33.47 | 8.0 | 25.2 | 1.42 |
| C6 | 01 May 2017 | 6 | 12.04 | 82.92 | 4.3 | 33.48 | 7.9 | 25.4 | 1.31 |
| C6 | 01 May 2017 | 7 | 11.77 | 83.32 | 4.6 | 33.48 | 7.8 | 25.5 | 1.35 |
| C6 | 01 May 2017 | 8 | 11.64 | 83.98 | 4.9 | 33.48 | 7.8 | 25.5 | 1.35 |
| C6 | 01 May 2017 | 9 | 11.64 | 84.59 | 5.0 | 33.48 | 7.8 | 25.5 | 1.23 |
| | | | | | | | | | |
| C6 | 11 May 2017 | 1 | 17.12 | 78.87 | 9.1 | 33.36 | 8.3 | 24.2 | 2.82 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C6 | 11 May 2017 | 2 | 17.07 | 78.49 | 9.1 | 33.40 | 8.3 | 24.3 | 5.26 |
| C6 | 11 May 2017 | 3 | 16.99 | 76.62 | 9.0 | 33.40 | 8.3 | 24.3 | 7.92 |
| C6 | 11 May 2017 | 4 | 16.90 | 72.98 | 8.4 | 33.41 | 8.3 | 24.3 | 7.00 |
| C6 | 11 May 2017 | 5 | 16.55 | 71.07 | 7.8 | 33.43 | 8.2 | 24.4 | 4.51 |
| C6 | 11 May 2017 | 6 | 16.17 | 77.98 | 7.2 | 33.45 | 8.2 | 24.5 | 2.95 |
| C6 | 11 May 2017 | 7 | 15.84 | 82.15 | 6.8 | 33.45 | 8.2 | 24.6 | 2.37 |
| C6 | 11 May 2017 | 8 | 15.51 | 84.43 | 6.4 | 33.46 | 8.1 | 24.7 | 1.31 |
| C6 | 11 May 2017 | 9 | 15.12 | 85.02 | 6.2 | 33.47 | 8.1 | 24.8 | 1.52 |
| C6 | 11 May 2017 | 10 | 14.76 | 86.08 | 6.9 | 33.48 | 8.0 | 24.9 | 1.72 |
| | | | | | | | | | |
| C6 | 19 May 2017 | 1 | 17.99 | 79.56 | 7.8 | 33.55 | 8.3 | 24.2 | 1.15 |
| C6 | 19 May 2017 | 2 | 17.92 | 79.59 | 7.1 | 33.55 | 8.3 | 24.2 | 1.10 |
| C6 | 19 May 2017 | 3 | 17.64 | 79.54 | 6.2 | 33.52 | 8.2 | 24.2 | 0.88 |
| C6 | 19 May 2017 | 4 | 15.97 | 79.74 | 5.4 | 33.52 | 8.2 | 24.6 | 0.84 |
| C6 | 19 May 2017 | 5 | 14.28 | 81.72 | 5.0 | 33.50 | 8.1 | 25.0 | 0.60 |
| C6 | 19 May 2017 | 6 | 13.26 | 85.93 | 4.8 | 33.51 | 8.0 | 25.2 | 0.39 |
| C6 | 19 May 2017 | 7 | 12.82 | 87.24 | 4.9 | 33.49 | 8.0 | 25.3 | 0.31 |
| C6 | 19 May 2017 | 8 | 12.58 | 88.01 | 5.1 | 33.49 | 7.9 | 25.3 | 0.27 |
| C6 | 19 May 2017 | 9 | 12.59 | 88.63 | 5.3 | 33.49 | 7.9 | 25.3 | 0.27 |
| C6 | 19 May 2017 | 10 | 12.56 | 88.52 | 5.4 | 33.49 | 7.9 | 25.3 | 0.25 |
| | | | | | | | | | |
| C6 | 25 May 2017 | 1 | 16.15 | 77.65 | 8.3 | 33.53 | 8.2 | 24.6 | 3.67 |
| C6 | 25 May 2017 | 2 | 15.85 | 77.80 | 8.1 | 33.58 | 8.2 | 24.7 | 3.92 |
| C6 | 25 May 2017 | 3 | 14.70 | 78.40 | 7.3 | 33.71 | 8.2 | 25.0 | 3.92 |
| C6 | 25 May 2017 | 4 | 13.42 | 81.45 | 6.5 | 33.68 | 8.1 | 25.3 | 4.05 |
| C6 | 25 May 2017 | 5 | 12.72 | 84.43 | 5.8 | 33.66 | 8.0 | 25.4 | 3.35 |
| C6 | 25 May 2017 | 6 | 12.33 | 85.74 | 5.5 | 33.73 | 8.0 | 25.5 | 2.82 |
| C6 | 25 May 2017 | 7 | 11.96 | 86.81 | 5.2 | 33.67 | 7.9 | 25.6 | 2.47 |
| C6 | 25 May 2017 | 8 | 11.88 | 87.71 | 4.8 | 33.62 | 7.9 | 25.5 | 2.02 |
| C6 | 25 May 2017 | 9 | 11.57 | 88.02 | 4.5 | 33.68 | 7.9 | 25.6 | 1.60 |
| | | | | | | | | | |
| C6 | 30 May 2017 | 1 | 16.56 | 82.30 | 8.3 | 33.49 | 8.2 | 24.5 | 2.69 |
| C6 | 30 May 2017 | 2 | 16.53 | 82.22 | 8.1 | 33.49 | 8.2 | 24.5 | 2.63 |
| C6 | 30 May 2017 | 3 | 16.37 | 81.98 | 8.0 | 33.49 | 8.2 | 24.5 | 2.30 |
| C6 | 30 May 2017 | 4 | 16.24 | 81.70 | 7.7 | 33.50 | 8.1 | 24.5 | 2.36 |
| C6 | 30 May 2017 | 5 | 16.19 | 81.32 | 7.4 | 33.49 | 8.1 | 24.5 | 1.75 |
| C6 | 30 May 2017 | 6 | 16.14 | 81.23 | 6.0 | 33.50 | 8.1 | 24.6 | 0.89 |
| C6 | 30 May 2017 | 7 | 16.02 | 81.06 | 3.6 | 33.46 | 8.1 | 24.6 | 0.56 |
| C6 | 30 May 2017 | 8 | 13.22 | 81.07 | 2.8 | 33.48 | 8.0 | 25.2 | 0.69 |
| C6 | 30 May 2017 | 9 | 11.70 | 82.90 | 4.4 | 33.56 | 7.8 | 25.5 | 0.88 |
| C6 | 30 May 2017 | 10 | 11.90 | 83.80 | 5.5 | 33.55 | 7.8 | 25.5 | 0.76 |
| | | | | | | | | | |
| A7 | 01 May 2017 | 1 | 14.89 | 79.49 | 7.0 | 33.48 | 8.1 | 24.8 | 3.36 |
| A7 | 01 May 2017 | 2 | 13.75 | 80.37 | 7.0 | 33.47 | 8.0 | 25.1 | 4.16 |
| A7 | 01 May 2017 | 3 | 13.31 | 80.64 | 7.0 | 33.44 | 8.0 | 25.1 | 5.56 |
| A7 | 01 May 2017 | 4 | 13.07 | 80.95 | 7.0 | 33.41 | 8.0 | 25.1 | 6.82 |
| A7 | 01 May 2017 | 5 | 12.76 | 81.05 | 7.0 | 33.40 | 8.0 | 25.2 | 6.99 |
| A7 | 01 May 2017 | 6 | 12.68 | 81.55 | 6.9 | 33.39 | 8.0 | 25.2 | 7.00 |
| A7 | 01 May 2017 | 7 | 12.63 | 81.71 | 6.8 | 33.38 | 8.0 | 25.2 | 6.89 |
| A7 | 01 May 2017 | 8 | 12.47 | 81.70 | 6.6 | 33.39 | 8.0 | 25.2 | 6.70 |
| A7 | 01 May 2017 | 9 | 12.38 | 81.79 | 6.4 | 33.40 | 8.0 | 25.3 | 5.73 |
| A7 | 01 May 2017 | 10 | 12.36 | 82.37 | 6.2 | 33.41 | 8.0 | 25.3 | 5.66 |
| A7 | 01 May 2017 | 11 | 12.29 | 82.28 | 6.2 | 33.42 | 7.9 | 25.3 | 4.92 |
| A7 | 01 May 2017 | 12 | 12.27 | 82.29 | 6.1 | 33.43 | 7.9 | 25.3 | 4.74 |
| A7 | 01 May 2017 | 13 | 12.25 | 82.48 | 6.1 | 33.44 | 7.9 | 25.3 | 4.89 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A7 | 01 May 2017 | 14 | 12.21 | 82.49 | 6.0 | 33.45 | 7.9 | 25.3 | 3.97 |
| A7 | 01 May 2017 | 15 | 12.20 | 82.52 | 5.6 | 33.45 | 7.9 | 25.3 | 3.02 |
| A7 | 01 May 2017 | 16 | 12.18 | 82.56 | 5.0 | 33.46 | 7.9 | 25.4 | 2.68 |
| A7 | 01 May 2017 | 17 | 12.05 | 82.34 | 4.5 | 33.49 | 7.9 | 25.4 | 2.28 |
| A7 | 01 May 2017 | 18 | 11.63 | 82.60 | 4.4 | 33.53 | 7.8 | 25.5 | 2.48 |
| A7 | 01 May 2017 | 19 | 11.52 | 82.34 | 4.7 | 33.53 | 7.8 | 25.5 | 2.59 |
| | | | | | | | | | |
| A7 | 11 May 2017 | 1 | 16.32 | 78.50 | 8.0 | 33.47 | 8.2 | 24.5 | 2.74 |
| A7 | 11 May 2017 | 2 | 16.32 | 78.66 | 8.0 | 33.46 | 8.2 | 24.5 | 3.39 |
| A7 | 11 May 2017 | 3 | 16.27 | 78.35 | 7.9 | 33.47 | 8.2 | 24.5 | 4.11 |
| A7 | 11 May 2017 | 4 | 16.18 | 78.06 | 7.5 | 33.47 | 8.2 | 24.5 | 4.90 |
| A7 | 11 May 2017 | 5 | 16.05 | 77.96 | 6.9 | 33.46 | 8.2 | 24.6 | 4.37 |
| A7 | 11 May 2017 | 6 | 15.58 | 76.72 | 6.1 | 33.46 | 8.1 | 24.7 | 2.39 |
| A7 | 11 May 2017 | 7 | 14.84 | 80.73 | 5.5 | 33.48 | 8.1 | 24.8 | 1.49 |
| A7 | 11 May 2017 | 8 | 14.29 | 84.69 | 5.2 | 33.48 | 8.0 | 25.0 | 0.99 |
| A7 | 11 May 2017 | 9 | 13.77 | 87.02 | 4.8 | 33.47 | 8.0 | 25.1 | 0.79 |
| A7 | 11 May 2017 | 10 | 12.95 | 87.63 | 4.9 | 33.49 | 7.9 | 25.2 | 0.77 |
| A7 | 11 May 2017 | 11 | 12.69 | 88.10 | 4.9 | 33.48 | 7.9 | 25.3 | 0.78 |
| A7 | 11 May 2017 | 12 | 12.58 | 88.35 | 4.9 | 33.48 | 7.9 | 25.3 | 0.67 |
| A7 | 11 May 2017 | 13 | 12.50 | 88.34 | 4.8 | 33.49 | 7.9 | 25.3 | 0.66 |
| A7 | 11 May 2017 | 14 | 12.48 | 88.24 | 4.7 | 33.49 | 7.9 | 25.3 | 0.68 |
| A7 | 11 May 2017 | 15 | 12.30 | 88.01 | 4.6 | 33.50 | 7.9 | 25.4 | 0.62 |
| A7 | 11 May 2017 | 16 | 12.20 | 87.82 | 4.5 | 33.50 | 7.8 | 25.4 | 0.69 |
| A7 | 11 May 2017 | 17 | 12.12 | 87.63 | 4.6 | 33.51 | 7.8 | 25.4 | 0.61 |
| A7 | 11 May 2017 | 18 | 12.11 | 87.72 | 4.5 | 33.51 | 7.8 | 25.4 | 0.59 |
| A7 | 11 May 2017 | 19 | 12.07 | 87.25 | 4.5 | 33.52 | 7.8 | 25.4 | 0.58 |
| | | | | | | | | | |
| A7 | 19 May 2017 | 1 | 17.53 | 83.43 | 8.7 | 33.52 | 8.2 | 24.2 | 2.40 |
| A7 | 19 May 2017 | 2 | 17.55 | 83.35 | 8.7 | 33.51 | 8.2 | 24.2 | 4.05 |
| A7 | 19 May 2017 | 3 | 17.42 | 83.13 | 8.6 | 33.51 | 8.2 | 24.3 | 3.88 |
| A7 | 19 May 2017 | 4 | 17.34 | 82.31 | 8.3 | 33.51 | 8.2 | 24.3 | 3.47 |
| A7 | 19 May 2017 | 5 | 17.19 | 80.89 | 7.6 | 33.51 | 8.2 | 24.3 | 3.71 |
| A7 | 19 May 2017 | 6 | 16.90 | 80.01 | 6.3 | 33.50 | 8.2 | 24.4 | 3.40 |
| A7 | 19 May 2017 | 7 | 15.85 | 81.37 | 5.1 | 33.48 | 8.2 | 24.6 | 2.60 |
| A7 | 19 May 2017 | 8 | 14.37 | 81.91 | 4.6 | 33.50 | 8.1 | 25.0 | 2.55 |
| A7 | 19 May 2017 | 9 | 13.79 | 80.94 | 4.2 | 33.49 | 8.0 | 25.1 | 2.37 |
| A7 | 19 May 2017 | 10 | 12.97 | 80.73 | 4.0 | 33.50 | 7.9 | 25.2 | 1.58 |
| A7 | 19 May 2017 | 11 | 12.56 | 83.63 | 3.7 | 33.50 | 7.9 | 25.3 | 1.25 |
| A7 | 19 May 2017 | 12 | 12.16 | 84.85 | 3.5 | 33.48 | 7.8 | 25.4 | 0.99 |
| A7 | 19 May 2017 | 13 | 11.56 | 85.51 | 3.5 | 33.48 | 7.8 | 25.5 | 0.66 |
| A7 | 19 May 2017 | 14 | 11.25 | 87.15 | 3.4 | 33.49 | 7.8 | 25.6 | 0.48 |
| A7 | 19 May 2017 | 15 | 11.09 | 88.06 | 3.4 | 33.50 | 7.7 | 25.6 | 0.44 |
| A7 | 19 May 2017 | 16 | 10.97 | 88.41 | 3.4 | 33.51 | 7.7 | 25.6 | 0.42 |
| A7 | 19 May 2017 | 17 | 10.88 | 89.08 | 3.5 | 33.53 | 7.7 | 25.7 | 0.33 |
| A7 | 19 May 2017 | 18 | 10.96 | 89.44 | 3.5 | 33.52 | 7.7 | 25.6 | 0.35 |
| A7 | 19 May 2017 | 19 | 10.80 | 89.34 | 3.5 | 33.54 | 7.7 | 25.7 | 0.44 |
| | | | | | | | | | |
| A7 | 25 May 2017 | 1 | 13.97 | 76.69 | 6.8 | 33.62 | 8.1 | 25.1 | 5.86 |
| A7 | 25 May 2017 | 2 | 13.70 | 74.10 | 6.6 | 33.58 | 8.1 | 25.2 | 5.59 |
| A7 | 25 May 2017 | 3 | 12.88 | 77.77 | 6.2 | 33.73 | 8.0 | 25.4 | 5.75 |
| A7 | 25 May 2017 | 4 | 12.49 | 79.62 | 5.7 | 33.60 | 8.0 | 25.4 | 5.39 |
| A7 | 25 May 2017 | 5 | 12.16 | 80.42 | 5.4 | 33.66 | 8.0 | 25.5 | 5.62 |
| A7 | 25 May 2017 | 6 | 11.70 | 81.03 | 5.0 | 33.66 | 7.9 | 25.6 | 5.43 |
| A7 | 25 May 2017 | 7 | 11.55 | 82.80 | 4.7 | 33.62 | 7.9 | 25.6 | 4.43 |
| A7 | 25 May 2017 | 8 | 11.51 | 84.33 | 4.5 | 33.62 | 7.9 | 25.6 | 3.89 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| A7 | 25 May 2017 | 9 | 11.29 | 85.07 | 4.4 | 33.65 | 7.8 | 25.7 | 3.64 |
| A7 | 25 May 2017 | 10 | 11.12 | 85.71 | 4.2 | 33.65 | 7.8 | 25.7 | 3.40 |
| A7 | 25 May 2017 | 11 | 11.04 | 86.39 | 4.0 | 33.64 | 7.8 | 25.7 | 2.76 |
| A7 | 25 May 2017 | 12 | 10.91 | 86.56 | 3.9 | 33.65 | 7.8 | 25.7 | 2.57 |
| A7 | 25 May 2017 | 13 | 10.89 | 87.19 | 3.8 | 33.64 | 7.8 | 25.7 | 2.21 |
| A7 | 25 May 2017 | 14 | 10.88 | 87.98 | 3.7 | 33.64 | 7.8 | 25.7 | 1.96 |
| A7 | 25 May 2017 | 15 | 10.87 | 88.09 | 3.6 | 33.64 | 7.8 | 25.7 | 1.56 |
| A7 | 25 May 2017 | 16 | 10.80 | 88.24 | 3.6 | 33.65 | 7.8 | 25.8 | 1.56 |
| A7 | 25 May 2017 | 17 | 10.79 | 88.59 | 3.6 | 33.65 | 7.8 | 25.8 | 1.44 |
| A7 | 25 May 2017 | 18 | 10.78 | 88.88 | 3.5 | 33.64 | 7.8 | 25.8 | 1.30 |
| A7 | 25 May 2017 | 19 | 10.77 | 88.91 | 3.5 | 33.64 | 7.8 | 25.8 | 1.19 |
| | | | | | | | | | |
| A7 | 30 May 2017 | 1 | 16.83 | 81.59 | 8.6 | 33.49 | 8.2 | 24.4 | 2.18 |
| A7 | 30 May 2017 | 2 | 16.83 | 81.45 | 8.5 | 33.49 | 8.2 | 24.4 | 2.72 |
| A7 | 30 May 2017 | 3 | 16.82 | 80.48 | 8.4 | 33.49 | 8.2 | 24.4 | 3.25 |
| A7 | 30 May 2017 | 4 | 16.54 | 80.77 | 8.4 | 33.48 | 8.2 | 24.5 | 3.48 |
| A7 | 30 May 2017 | 5 | 16.21 | 80.91 | 8.0 | 33.48 | 8.2 | 24.5 | 3.62 |
| A7 | 30 May 2017 | 6 | 15.98 | 79.67 | 7.4 | 33.45 | 8.2 | 24.6 | 3.74 |
| A7 | 30 May 2017 | 7 | 14.43 | 79.76 | 7.2 | 33.47 | 8.1 | 24.9 | 3.36 |
| A7 | 30 May 2017 | 8 | 14.24 | 80.41 | 6.6 | 33.47 | 8.1 | 25.0 | 3.27 |
| A7 | 30 May 2017 | 9 | 13.76 | 82.00 | 6.4 | 33.48 | 8.0 | 25.0 | 3.11 |
| A7 | 30 May 2017 | 10 | 13.31 | 82.27 | 6.4 | 33.47 | 8.0 | 25.1 | 2.89 |
| A7 | 30 May 2017 | 11 | 13.26 | 82.34 | 6.2 | 33.47 | 8.0 | 25.2 | 2.66 |
| A7 | 30 May 2017 | 12 | 13.17 | 82.54 | 5.9 | 33.48 | 8.0 | 25.2 | 2.44 |
| A7 | 30 May 2017 | 13 | 13.02 | 82.67 | 5.6 | 33.49 | 8.0 | 25.2 | 2.25 |
| A7 | 30 May 2017 | 14 | 12.90 | 82.81 | 5.5 | 33.50 | 7.9 | 25.2 | 2.23 |
| A7 | 30 May 2017 | 15 | 12.75 | 83.57 | 5.5 | 33.51 | 7.9 | 25.3 | 2.10 |
| A7 | 30 May 2017 | 16 | 12.74 | 83.90 | 5.5 | 33.52 | 7.9 | 25.3 | 1.97 |
| A7 | 30 May 2017 | 17 | 12.72 | 83.87 | 5.5 | 33.52 | 7.9 | 25.3 | 2.17 |
| A7 | 30 May 2017 | 18 | 12.65 | 83.82 | 5.6 | 33.53 | 7.9 | 25.3 | 2.03 |
| | | | | | | | | | |
| C7 | 01 May 2017 | 1 | 15.80 | 79.31 | 8.1 | 33.49 | 8.1 | 24.6 | 2.75 |
| C7 | 01 May 2017 | 2 | 15.26 | 79.43 | 7.6 | 33.49 | 8.1 | 24.8 | 5.03 |
| C7 | 01 May 2017 | 3 | 14.81 | 78.23 | 8.2 | 33.48 | 8.1 | 24.8 | 8.85 |
| C7 | 01 May 2017 | 4 | 14.65 | 77.32 | 8.4 | 33.45 | 8.1 | 24.9 | 11.02 |
| C7 | 01 May 2017 | 5 | 14.29 | 76.76 | 8.4 | 33.42 | 8.1 | 24.9 | 10.41 |
| C7 | 01 May 2017 | 6 | 14.09 | 75.26 | 8.2 | 33.41 | 8.1 | 24.9 | 10.21 |
| C7 | 01 May 2017 | 7 | 14.04 | 73.68 | 7.8 | 33.40 | 8.1 | 24.9 | 10.48 |
| C7 | 01 May 2017 | 8 | 13.78 | 73.45 | 7.4 | 33.40 | 8.1 | 25.0 | 8.94 |
| C7 | 01 May 2017 | 9 | 13.52 | 73.93 | 7.1 | 33.39 | 8.1 | 25.0 | 7.18 |
| C7 | 01 May 2017 | 10 | 13.12 | 75.56 | 6.7 | 33.38 | 8.0 | 25.1 | 6.46 |
| C7 | 01 May 2017 | 11 | 12.76 | 77.85 | 6.6 | 33.39 | 8.0 | 25.2 | 5.86 |
| C7 | 01 May 2017 | 12 | 12.70 | 80.68 | 6.5 | 33.40 | 8.0 | 25.2 | 4.71 |
| C7 | 01 May 2017 | 13 | 12.70 | 80.97 | 6.3 | 33.41 | 8.0 | 25.2 | 4.03 |
| C7 | 01 May 2017 | 14 | 12.72 | 81.36 | 6.1 | 33.44 | 8.0 | 25.2 | 3.92 |
| C7 | 01 May 2017 | 15 | 12.72 | 81.56 | 5.6 | 33.45 | 8.0 | 25.3 | 2.98 |
| C7 | 01 May 2017 | 16 | 12.53 | 82.06 | 4.6 | 33.45 | 7.9 | 25.3 | 2.59 |
| C7 | 01 May 2017 | 17 | 11.56 | 82.83 | 4.3 | 33.49 | 7.9 | 25.5 | 2.39 |
| C7 | 01 May 2017 | 18 | 11.36 | 85.06 | 4.7 | 33.51 | 7.8 | 25.6 | 2.69 |
| | | | | | | | | | |
| C7 | 11 May 2017 | 1 | 16.90 | 80.26 | 8.6 | 33.44 | 8.2 | 24.3 | 1.75 |
| C7 | 11 May 2017 | 2 | 16.90 | 80.42 | 8.6 | 33.44 | 8.2 | 24.3 | 2.54 |
| C7 | 11 May 2017 | 3 | 16.87 | 80.06 | 8.4 | 33.44 | 8.2 | 24.3 | 5.03 |
| C7 | 11 May 2017 | 4 | 16.65 | 77.80 | 8.1 | 33.44 | 8.2 | 24.4 | 6.53 |
| C7 | 11 May 2017 | 5 | 16.39 | 75.78 | 7.5 | 33.44 | 8.2 | 24.5 | 5.87 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C7 | 11 May 2017 | 6 | 15.98 | 74.00 | 7.0 | 33.45 | 8.2 | 24.6 | 3.56 |
| C7 | 11 May 2017 | 7 | 15.76 | 77.02 | 6.3 | 33.45 | 8.1 | 24.6 | 2.18 |
| C7 | 11 May 2017 | 8 | 15.15 | 81.01 | 5.9 | 33.47 | 8.1 | 24.8 | 1.51 |
| C7 | 11 May 2017 | 9 | 14.80 | 85.28 | 5.5 | 33.46 | 8.1 | 24.8 | 1.05 |
| C7 | 11 May 2017 | 10 | 14.36 | 86.67 | 5.2 | 33.47 | 8.0 | 24.9 | 0.75 |
| C7 | 11 May 2017 | 11 | 14.03 | 87.88 | 4.9 | 33.47 | 8.0 | 25.0 | 0.70 |
| C7 | 11 May 2017 | 12 | 13.46 | 88.38 | 5.0 | 33.47 | 7.9 | 25.1 | 0.72 |
| C7 | 11 May 2017 | 13 | 12.90 | 88.69 | 4.9 | 33.48 | 7.9 | 25.2 | 0.52 |
| C7 | 11 May 2017 | 14 | 12.71 | 88.89 | 4.7 | 33.48 | 7.9 | 25.3 | 0.49 |
| C7 | 11 May 2017 | 15 | 12.59 | 89.24 | 4.8 | 33.48 | 7.9 | 25.3 | 0.43 |
| C7 | 11 May 2017 | 16 | 12.57 | 89.34 | 4.8 | 33.48 | 7.9 | 25.3 | 0.44 |
| C7 | 11 May 2017 | 17 | 12.57 | 89.51 | 4.8 | 33.49 | 7.9 | 25.3 | 0.45 |
| C7 | 11 May 2017 | 18 | 12.58 | 89.70 | 4.9 | 33.49 | 7.9 | 25.3 | 0.46 |
| | | | | | | | | | |
| C7 | 19 May 2017 | 1 | 17.91 | 86.69 | 8.2 | 33.51 | 8.2 | 24.2 | 0.89 |
| C7 | 19 May 2017 | 2 | 17.92 | 86.63 | 8.0 | 33.51 | 8.2 | 24.1 | 1.01 |
| C7 | 19 May 2017 | 3 | 17.63 | 86.26 | 7.4 | 33.55 | 8.2 | 24.3 | 1.50 |
| C7 | 19 May 2017 | 4 | 16.91 | 84.15 | 6.5 | 33.64 | 8.2 | 24.5 | 1.98 |
| C7 | 19 May 2017 | 5 | 15.83 | 83.46 | 5.3 | 33.71 | 8.1 | 24.8 | 2.27 |
| C7 | 19 May 2017 | 6 | 13.92 | 81.89 | 4.2 | 33.83 | 8.1 | 25.3 | 2.21 |
| C7 | 19 May 2017 | 7 | 12.48 | 81.29 | 3.8 | 33.77 | 7.9 | 25.5 | 2.08 |
| C7 | 19 May 2017 | 8 | 12.21 | 83.48 | 3.9 | 33.66 | 7.9 | 25.5 | 1.95 |
| C7 | 19 May 2017 | 9 | 12.02 | 84.59 | 4.0 | 33.64 | 7.8 | 25.5 | 1.94 |
| C7 | 19 May 2017 | 10 | 11.75 | 85.37 | 4.0 | 33.61 | 7.8 | 25.6 | 1.94 |
| C7 | 19 May 2017 | 11 | 11.46 | 85.20 | 3.9 | 33.62 | 7.8 | 25.6 | 1.77 |
| C7 | 19 May 2017 | 12 | 11.39 | 86.00 | 3.8 | 33.59 | 7.8 | 25.6 | 1.27 |
| C7 | 19 May 2017 | 13 | 11.32 | 87.01 | 3.7 | 33.57 | 7.8 | 25.6 | 0.90 |
| C7 | 19 May 2017 | 14 | 11.27 | 88.56 | 3.6 | 33.56 | 7.8 | 25.6 | 0.76 |
| C7 | 19 May 2017 | 15 | 11.13 | 89.63 | 3.6 | 33.55 | 7.8 | 25.6 | 0.64 |
| C7 | 19 May 2017 | 16 | 11.02 | 89.77 | 3.6 | 33.56 | 7.7 | 25.6 | 0.62 |
| C7 | 19 May 2017 | 17 | 11.01 | 89.84 | 3.7 | 33.56 | 7.7 | 25.7 | 0.55 |
| C7 | 19 May 2017 | 18 | 11.02 | 89.85 | 3.8 | 33.56 | 7.7 | 25.7 | 0.53 |
| | | | | | | | | | |
| C7 | 25 May 2017 | 1 | 16.35 | 78.68 | 8.1 | 33.51 | 8.2 | 24.5 | 3.82 |
| C7 | 25 May 2017 | 2 | 16.23 | 78.71 | 7.8 | 33.55 | 8.2 | 24.6 | 3.94 |
| C7 | 25 May 2017 | 3 | 14.22 | 78.59 | 7.4 | 33.76 | 8.1 | 25.2 | 4.14 |
| C7 | 25 May 2017 | 4 | 13.62 | 76.88 | 6.8 | 33.61 | 8.1 | 25.2 | 5.76 |
| C7 | 25 May 2017 | 5 | 12.85 | 75.26 | 6.4 | 33.68 | 8.1 | 25.4 | 7.11 |
| C7 | 25 May 2017 | 6 | 12.10 | 75.59 | 5.9 | 33.64 | 8.0 | 25.5 | 7.90 |
| C7 | 25 May 2017 | 7 | 11.84 | 76.41 | 5.5 | 33.59 | 8.0 | 25.5 | 8.94 |
| C7 | 25 May 2017 | 8 | 11.66 | 77.35 | 5.2 | 33.60 | 7.9 | 25.6 | 8.93 |
| C7 | 25 May 2017 | 9 | 11.44 | 78.70 | 5.0 | 33.60 | 7.9 | 25.6 | 8.49 |
| C7 | 25 May 2017 | 10 | 11.31 | 79.33 | 4.8 | 33.60 | 7.9 | 25.6 | 7.48 |
| C7 | 25 May 2017 | 11 | 11.11 | 80.75 | 4.6 | 33.62 | 7.9 | 25.7 | 7.37 |
| C7 | 25 May 2017 | 12 | 10.96 | 83.45 | 4.3 | 33.62 | 7.8 | 25.7 | 5.88 |
| C7 | 25 May 2017 | 13 | 10.83 | 85.94 | 4.1 | 33.64 | 7.8 | 25.7 | 5.14 |
| C7 | 25 May 2017 | 14 | 10.75 | 87.49 | 4.0 | 33.64 | 7.8 | 25.8 | 4.77 |
| C7 | 25 May 2017 | 15 | 10.75 | 88.29 | 3.8 | 33.64 | 7.8 | 25.8 | 3.00 |
| C7 | 25 May 2017 | 16 | 10.70 | 88.72 | 3.8 | 33.66 | 7.8 | 25.8 | 2.10 |
| C7 | 25 May 2017 | 17 | 10.63 | 89.12 | 3.7 | 33.66 | 7.8 | 25.8 | 2.00 |
| C7 | 25 May 2017 | 18 | 10.61 | 89.47 | 3.6 | 33.67 | 7.8 | 25.8 | 1.55 |
| | | | | | | | | | |
| C7 | 30 May 2017 | 1 | 16.82 | 83.19 | 8.8 | 33.49 | 8.2 | 24.4 | 1.16 |
| C7 | 30 May 2017 | 2 | 16.82 | 83.32 | 8.9 | 33.49 | 8.2 | 24.4 | 1.34 |
| C7 | 30 May 2017 | 3 | 16.78 | 83.22 | 8.9 | 33.49 | 8.2 | 24.4 | 1.62 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C7 | 30 May 2017 | 4 | 16.70 | 83.18 | 8.9 | 33.49 | 8.2 | 24.4 | 1.82 |
| C7 | 30 May 2017 | 5 | 16.60 | 82.71 | 8.8 | 33.48 | 8.2 | 24.4 | 1.99 |
| C7 | 30 May 2017 | 6 | 16.48 | 82.17 | 8.9 | 33.48 | 8.2 | 24.5 | 2.13 |
| C7 | 30 May 2017 | 7 | 16.25 | 81.72 | 9.0 | 33.48 | 8.2 | 24.5 | 2.32 |
| C7 | 30 May 2017 | 8 | 16.25 | 81.70 | 9.0 | 33.47 | 8.2 | 24.5 | 2.48 |
| C7 | 30 May 2017 | 9 | 16.13 | 81.45 | 9.0 | 33.47 | 8.2 | 24.5 | 2.40 |
| C7 | 30 May 2017 | 10 | 16.10 | 81.38 | 8.9 | 33.46 | 8.2 | 24.5 | 2.55 |
| C7 | 30 May 2017 | 11 | 16.01 | 81.55 | 8.6 | 33.46 | 8.2 | 24.6 | 2.82 |
| C7 | 30 May 2017 | 12 | 15.98 | 81.51 | 8.2 | 33.46 | 8.2 | 24.6 | 2.79 |
| C7 | 30 May 2017 | 13 | 15.90 | 81.39 | 7.6 | 33.46 | 8.2 | 24.6 | 2.55 |
| C7 | 30 May 2017 | 14 | 15.51 | 81.26 | 6.8 | 33.47 | 8.1 | 24.7 | 2.58 |
| C7 | 30 May 2017 | 15 | 15.19 | 82.07 | 5.4 | 33.48 | 8.1 | 24.8 | 2.27 |
| C7 | 30 May 2017 | 16 | 14.38 | 83.34 | 3.7 | 33.49 | 8.0 | 24.9 | 1.70 |
| C7 | 30 May 2017 | 17 | 11.76 | 86.08 | 4.3 | 33.61 | 7.8 | 25.6 | 1.91 |
| | | | | | | | | | |
| C8 | 01 May 2017 | 1 | 15.72 | 78.05 | NA | NA | 8.1 | 24.4 | 5.25 |
| C8 | 01 May 2017 | 2 | 15.67 | 78.25 | 8.4 | 33.48 | 8.1 | 24.6 | 4.13 |
| C8 | 01 May 2017 | 3 | 15.07 | 77.88 | 8.1 | 33.54 | 8.1 | 24.8 | 4.19 |
| C8 | 01 May 2017 | 4 | 14.55 | 76.76 | 8.0 | 33.51 | 8.1 | 24.9 | 5.60 |
| C8 | 01 May 2017 | 5 | 14.40 | 76.12 | 7.9 | 33.46 | 8.1 | 24.9 | 6.00 |
| C8 | 01 May 2017 | 6 | 14.18 | 76.03 | 7.7 | 33.47 | 8.1 | 25.0 | 7.55 |
| C8 | 01 May 2017 | 7 | 13.73 | 75.93 | 7.4 | 33.50 | 8.1 | 25.1 | 9.26 |
| C8 | 01 May 2017 | 8 | 13.46 | 75.59 | 7.2 | 33.47 | 8.0 | 25.1 | 8.76 |
| C8 | 01 May 2017 | 9 | 13.48 | 76.36 | 6.9 | 33.46 | 8.0 | 25.1 | 5.94 |
| C8 | 01 May 2017 | 10 | 13.48 | 79.12 | 6.6 | 33.49 | 8.0 | 25.1 | 4.71 |
| C8 | 01 May 2017 | 11 | 13.31 | 80.11 | 6.5 | 33.50 | 8.0 | 25.2 | 4.33 |
| C8 | 01 May 2017 | 12 | 13.02 | 81.01 | 6.4 | 33.51 | 8.0 | 25.2 | 3.91 |
| C8 | 01 May 2017 | 13 | 12.85 | 82.04 | 6.2 | 33.50 | 8.0 | 25.3 | 3.75 |
| C8 | 01 May 2017 | 14 | 12.68 | 82.12 | 5.5 | 33.51 | 7.9 | 25.3 | 3.40 |
| C8 | 01 May 2017 | 15 | 12.00 | 82.59 | 4.5 | 33.61 | 7.9 | 25.5 | 2.88 |
| C8 | 01 May 2017 | 16 | 11.51 | 84.07 | 4.4 | 33.57 | 7.8 | 25.6 | 2.31 |
| C8 | 01 May 2017 | 17 | 11.50 | 84.43 | 4.7 | 33.54 | 7.8 | 25.6 | 2.29 |
| C8 | 01 May 2017 | 18 | 11.50 | 84.36 | 4.9 | 33.53 | 7.8 | 25.5 | 2.22 |
| | | | | | | | | | |
| C8 | 11 May 2017 | 1 | 17.01 | 82.91 | 8.4 | 33.42 | 8.2 | 24.3 | 1.25 |
| C8 | 11 May 2017 | 2 | 17.00 | 82.78 | 8.3 | 33.42 | 8.2 | 24.3 | 2.22 |
| C8 | 11 May 2017 | 3 | 16.81 | 81.94 | 8.2 | 33.43 | 8.2 | 24.4 | 3.73 |
| C8 | 11 May 2017 | 4 | 16.66 | 78.79 | 8.0 | 33.43 | 8.2 | 24.4 | 3.93 |
| C8 | 11 May 2017 | 5 | 16.37 | 77.58 | 8.0 | 33.45 | 8.2 | 24.5 | 4.08 |
| C8 | 11 May 2017 | 6 | 16.30 | 78.98 | 8.0 | 33.45 | 8.2 | 24.5 | 4.53 |
| C8 | 11 May 2017 | 7 | 16.24 | 79.34 | 7.9 | 33.45 | 8.2 | 24.5 | 4.74 |
| C8 | 11 May 2017 | 8 | 16.14 | 79.29 | 7.6 | 33.45 | 8.2 | 24.5 | 4.17 |
| C8 | 11 May 2017 | 9 | 15.97 | 78.84 | 6.9 | 33.45 | 8.2 | 24.6 | 3.24 |
| C8 | 11 May 2017 | 10 | 15.44 | 80.30 | 6.3 | 33.46 | 8.1 | 24.7 | 2.43 |
| C8 | 11 May 2017 | 11 | 14.95 | 82.66 | 6.0 | 33.46 | 8.1 | 24.8 | 1.88 |
| C8 | 11 May 2017 | 12 | 14.41 | 84.46 | 5.5 | 33.47 | 8.0 | 24.9 | 1.23 |
| C8 | 11 May 2017 | 13 | 14.01 | 86.09 | 5.1 | 33.46 | 8.0 | 25.0 | 1.01 |
| C8 | 11 May 2017 | 14 | 13.40 | 87.80 | 5.0 | 33.47 | 8.0 | 25.1 | 0.75 |
| C8 | 11 May 2017 | 15 | 12.92 | 88.35 | 4.7 | 33.48 | 7.9 | 25.2 | 0.60 |
| C8 | 11 May 2017 | 16 | 12.55 | 89.25 | 4.6 | 33.48 | 7.9 | 25.3 | 0.45 |
| C8 | 11 May 2017 | 17 | 12.44 | 89.20 | 4.5 | 33.48 | 7.9 | 25.3 | 0.36 |
| C8 | 11 May 2017 | 18 | 12.32 | 89.36 | 4.5 | 33.49 | 7.9 | 25.4 | 0.40 |
| C8 | 11 May 2017 | 19 | 12.29 | 89.00 | 4.7 | 33.49 | 7.8 | 25.4 | 0.46 |
| | | | | | | | | | |
| C8 | 19 May 2017 | 1 | 18.00 | 78.38 | 8.0 | 33.51 | 8.2 | 24.1 | 1.15 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C8 | 19 May 2017 | 2 | 18.04 | 78.25 | 8.0 | 33.51 | 8.2 | 24.1 | 1.50 |
| C8 | 19 May 2017 | 3 | 18.02 | 78.19 | 8.1 | 33.51 | 8.2 | 24.1 | 1.98 |
| C8 | 19 May 2017 | 4 | 17.97 | 77.97 | 8.1 | 33.51 | 8.2 | 24.1 | 2.52 |
| C8 | 19 May 2017 | 5 | 17.94 | 77.37 | 8.1 | 33.51 | 8.2 | 24.1 | 2.62 |
| C8 | 19 May 2017 | 6 | 17.86 | 76.96 | 8.1 | 33.51 | 8.2 | 24.2 | 2.77 |
| C8 | 19 May 2017 | 7 | 17.46 | 76.57 | 7.5 | 33.49 | 8.2 | 24.2 | 3.05 |
| C8 | 19 May 2017 | 8 | 16.74 | 77.81 | 6.2 | 33.49 | 8.2 | 24.4 | 2.64 |
| C8 | 19 May 2017 | 9 | 16.29 | 79.79 | 4.8 | 33.47 | 8.1 | 24.5 | 2.43 |
| C8 | 19 May 2017 | 10 | 14.46 | 80.29 | 4.1 | 33.46 | 8.1 | 24.9 | 2.55 |
| C8 | 19 May 2017 | 11 | 12.63 | 81.87 | 4.2 | 33.52 | 7.9 | 25.3 | 2.88 |
| C8 | 19 May 2017 | 12 | 12.46 | 84.16 | 4.2 | 33.47 | 7.9 | 25.3 | 2.62 |
| C8 | 19 May 2017 | 13 | 11.98 | 84.06 | 3.9 | 33.47 | 7.8 | 25.4 | 1.75 |
| C8 | 19 May 2017 | 14 | 11.56 | 83.72 | 3.5 | 33.47 | 7.8 | 25.5 | 0.95 |
| C8 | 19 May 2017 | 15 | 11.22 | 84.80 | 3.4 | 33.50 | 7.8 | 25.6 | 0.61 |
| C8 | 19 May 2017 | 16 | 11.08 | 87.18 | 3.5 | 33.51 | 7.7 | 25.6 | 0.45 |
| C8 | 19 May 2017 | 17 | 11.01 | 89.34 | 3.6 | 33.51 | 7.7 | 25.6 | 0.44 |
| C8 | 19 May 2017 | 18 | 11.01 | 89.97 | 3.7 | 33.51 | 7.7 | 25.6 | 0.41 |
| C8 | 19 May 2017 | 19 | 11.02 | 89.70 | 3.7 | 33.51 | 7.7 | 25.6 | 0.41 |
| | | | | | | | | | |
| C8 | 25 May 2017 | 1 | 15.91 | 72.55 | 8.4 | 33.49 | 8.2 | 24.6 | 4.88 |
| C8 | 25 May 2017 | 2 | 15.74 | 70.18 | 8.5 | 33.51 | 8.2 | 24.7 | 4.63 |
| C8 | 25 May 2017 | 3 | 15.48 | 74.03 | 8.4 | 33.51 | 8.2 | 24.7 | 5.49 |
| C8 | 25 May 2017 | 4 | 14.42 | 72.44 | 8.4 | 33.60 | 8.2 | 25.0 | 7.17 |
| C8 | 25 May 2017 | 5 | 13.23 | 70.49 | 8.2 | 33.62 | 8.2 | 25.3 | 8.81 |
| C8 | 25 May 2017 | 6 | 12.62 | 69.80 | 7.3 | 33.52 | 8.1 | 25.3 | 10.64 |
| C8 | 25 May 2017 | 7 | 12.54 | 73.54 | 6.3 | 33.53 | 8.0 | 25.3 | 11.32 |
| C8 | 25 May 2017 | 8 | 11.88 | 76.51 | 6.0 | 33.59 | 8.0 | 25.5 | 9.64 |
| C8 | 25 May 2017 | 9 | 11.65 | 73.90 | 5.8 | 33.51 | 8.0 | 25.5 | 10.56 |
| C8 | 25 May 2017 | 10 | 11.54 | 71.62 | 5.7 | 33.54 | 8.0 | 25.5 | 15.55 |
| C8 | 25 May 2017 | 11 | 11.49 | 75.59 | 5.3 | 33.54 | 7.9 | 25.6 | 15.79 |
| C8 | 25 May 2017 | 12 | 11.28 | 80.32 | 4.9 | 33.60 | 7.9 | 25.6 | 13.02 |
| C8 | 25 May 2017 | 13 | 11.02 | 83.10 | 4.3 | 33.63 | 7.8 | 25.7 | 8.68 |
| C8 | 25 May 2017 | 14 | 10.86 | 86.51 | 4.0 | 33.66 | 7.8 | 25.8 | 4.76 |
| C8 | 25 May 2017 | 15 | 10.79 | 88.53 | 3.8 | 33.64 | 7.8 | 25.8 | 3.09 |
| C8 | 25 May 2017 | 16 | 10.75 | 89.09 | 3.7 | 33.65 | 7.8 | 25.8 | 1.90 |
| C8 | 25 May 2017 | 17 | 10.74 | 89.08 | 3.7 | 33.65 | 7.8 | 25.8 | 1.59 |
| C8 | 25 May 2017 | 18 | 10.74 | 89.17 | 3.7 | 33.64 | 7.8 | 25.8 | 1.50 |
| C8 | 25 May 2017 | 19 | 10.74 | 89.07 | 3.7 | 33.64 | 7.8 | 25.8 | 1.48 |
| C8 | 25 May 2017 | 20 | 10.75 | 89.03 | 3.7 | 33.64 | 7.8 | 25.8 | 1.17 |
| | | | | | | | | | |
| C8 | 30 May 2017 | 1 | 16.36 | 76.20 | 8.0 | 33.49 | 8.1 | 24.5 | 2.78 |
| C8 | 30 May 2017 | 2 | 16.25 | 76.35 | 8.3 | 33.49 | 8.1 | 24.5 | 3.14 |
| C8 | 30 May 2017 | 3 | 16.07 | 76.40 | 8.3 | 33.48 | 8.1 | 24.6 | 3.14 |
| C8 | 30 May 2017 | 4 | 15.92 | 77.10 | 8.3 | 33.48 | 8.1 | 24.6 | 3.30 |
| C8 | 30 May 2017 | 5 | 15.89 | 77.40 | 8.3 | 33.47 | 8.1 | 24.6 | 3.60 |
| C8 | 30 May 2017 | 6 | 15.73 | 77.70 | 8.3 | 33.47 | 8.1 | 24.6 | 3.59 |
| C8 | 30 May 2017 | 7 | 15.60 | 77.48 | 8.3 | 33.47 | 8.1 | 24.7 | 3.69 |
| C8 | 30 May 2017 | 8 | 15.56 | 77.75 | 8.3 | 33.46 | 8.1 | 24.7 | 3.63 |
| C8 | 30 May 2017 | 9 | 15.48 | 77.79 | 8.3 | 33.46 | 8.1 | 24.7 | 3.78 |
| C8 | 30 May 2017 | 10 | 15.39 | 77.99 | 8.4 | 33.46 | 8.1 | 24.7 | 3.77 |
| C8 | 30 May 2017 | 11 | 15.33 | 78.09 | 8.4 | 33.45 | 8.1 | 24.7 | 4.43 |
| C8 | 30 May 2017 | 12 | 15.22 | 77.77 | 8.3 | 33.45 | 8.1 | 24.7 | 5.00 |
| C8 | 30 May 2017 | 13 | 15.16 | 77.76 | 8.1 | 33.45 | 8.1 | 24.7 | 5.26 |
| C8 | 30 May 2017 | 14 | 14.83 | 77.46 | 7.9 | 33.44 | 8.1 | 24.8 | 6.26 |
| C8 | 30 May 2017 | 15 | 14.70 | 76.44 | 7.3 | 33.45 | 8.1 | 24.8 | 6.89 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| C8 | 30 May 2017 | 16 | 14.20 | 76.31 | 6.7 | 33.38 | 8.1 | 24.9 | 7.68 |
| C8 | 30 May 2017 | 17 | 13.04 | 76.30 | 6.6 | 33.42 | 8.0 | 25.2 | 7.39 |
| C8 | 30 May 2017 | 18 | 12.51 | 75.95 | 7.0 | 33.41 | 8.0 | 25.3 | 7.40 |
| C8 | 30 May 2017 | 19 | 13.16 | 75.31 | 7.1 | 33.39 | 8.0 | 25.1 | 7.18 |

NA = not available

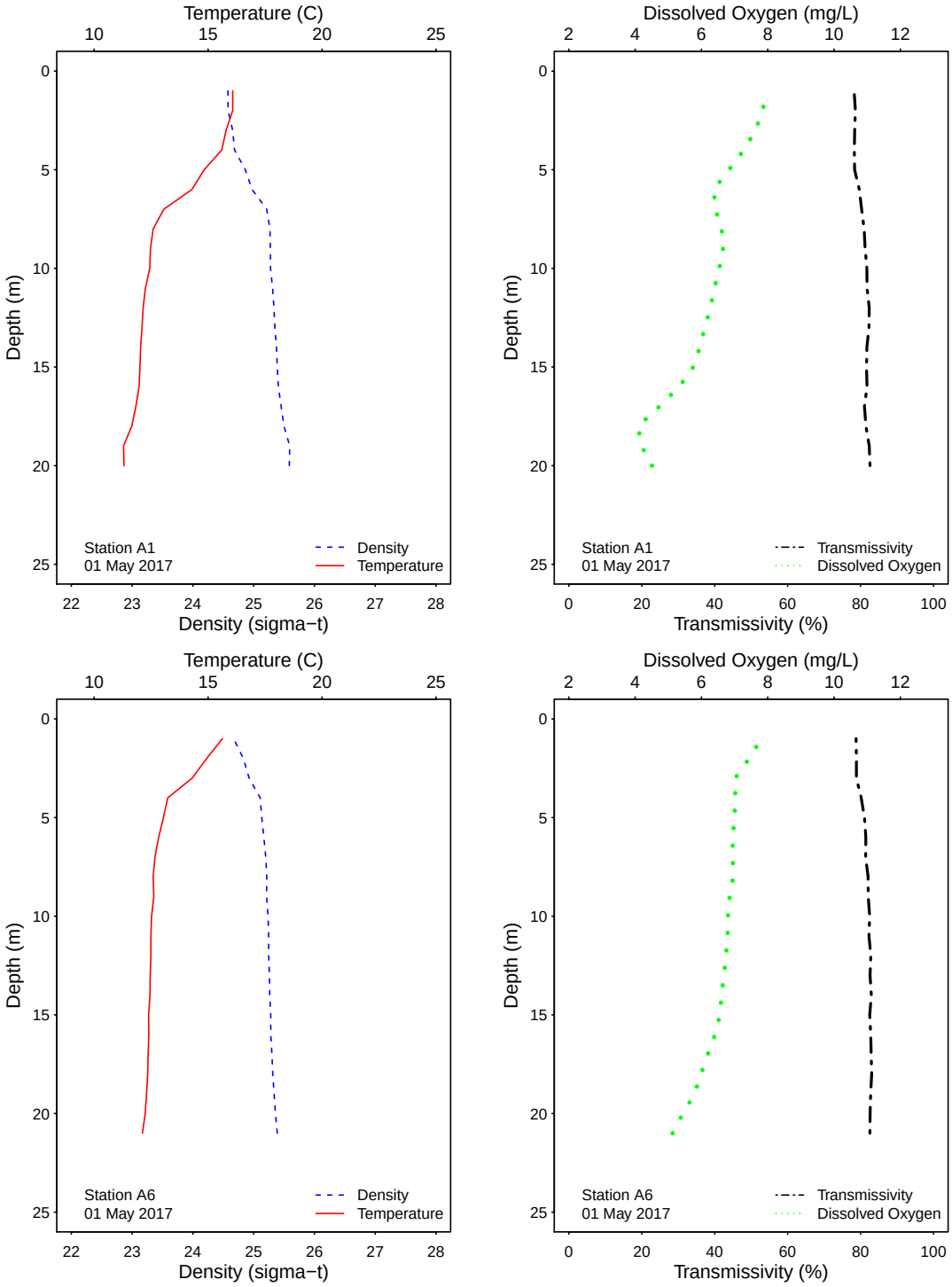


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

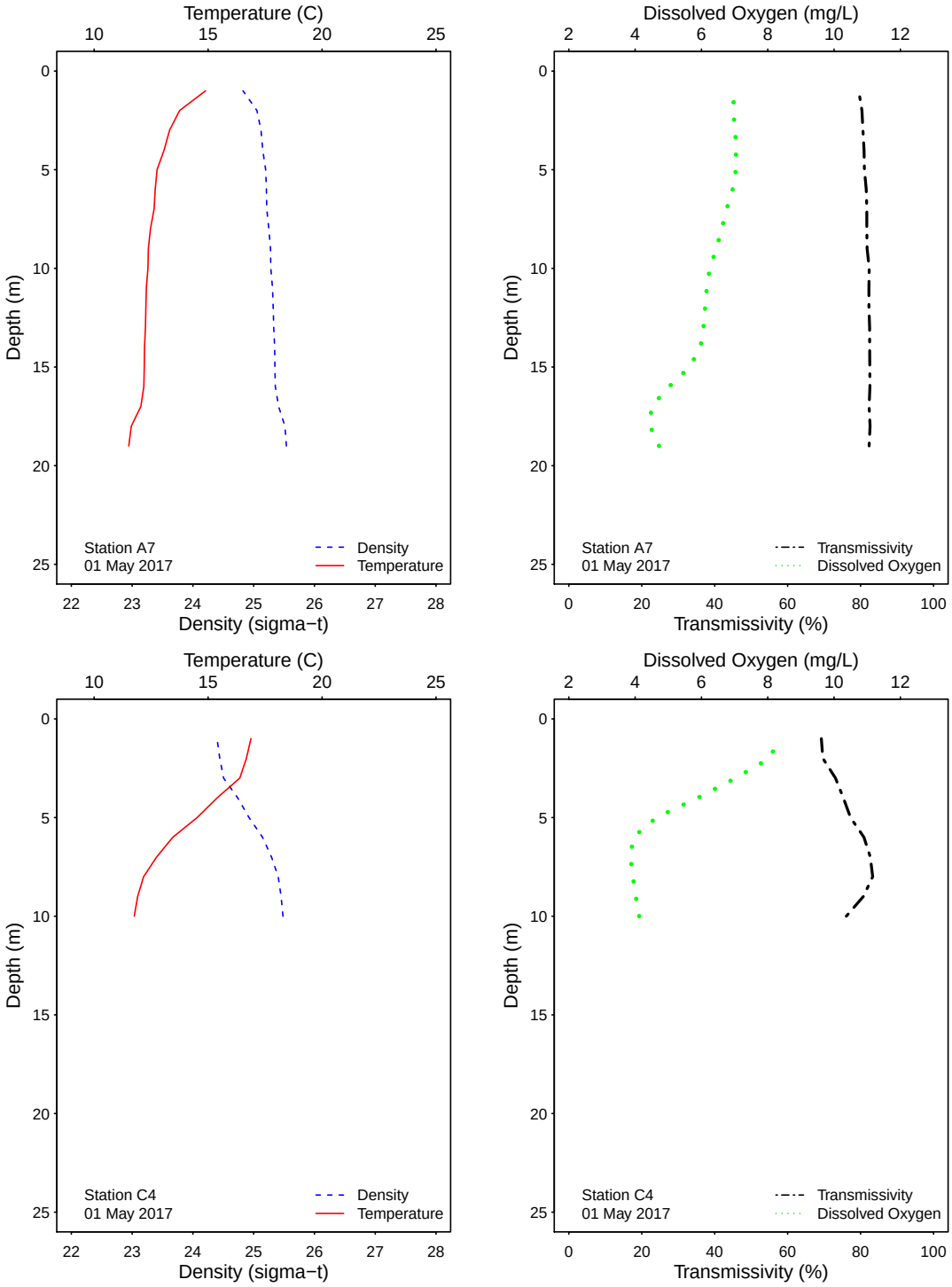


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

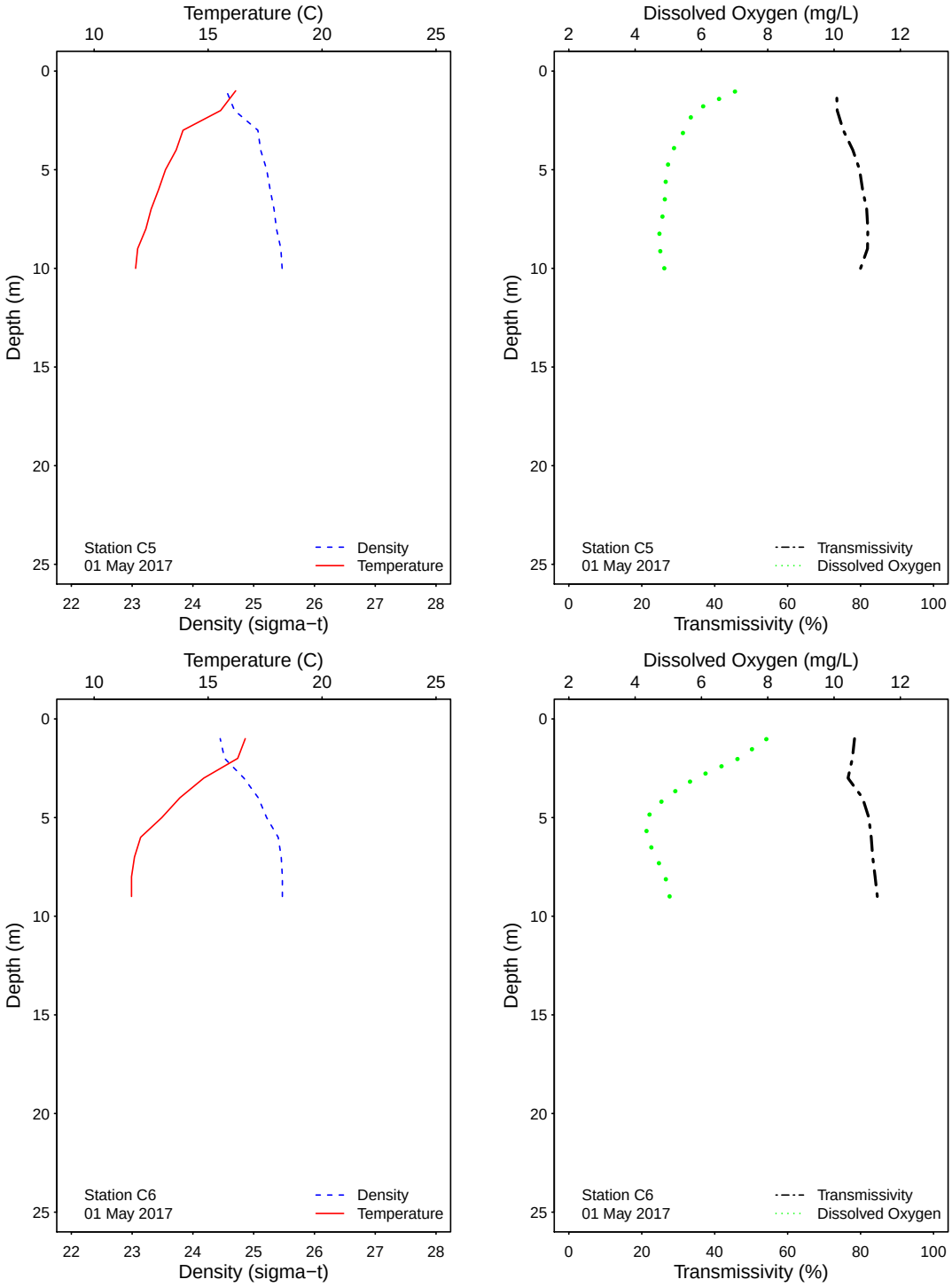


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

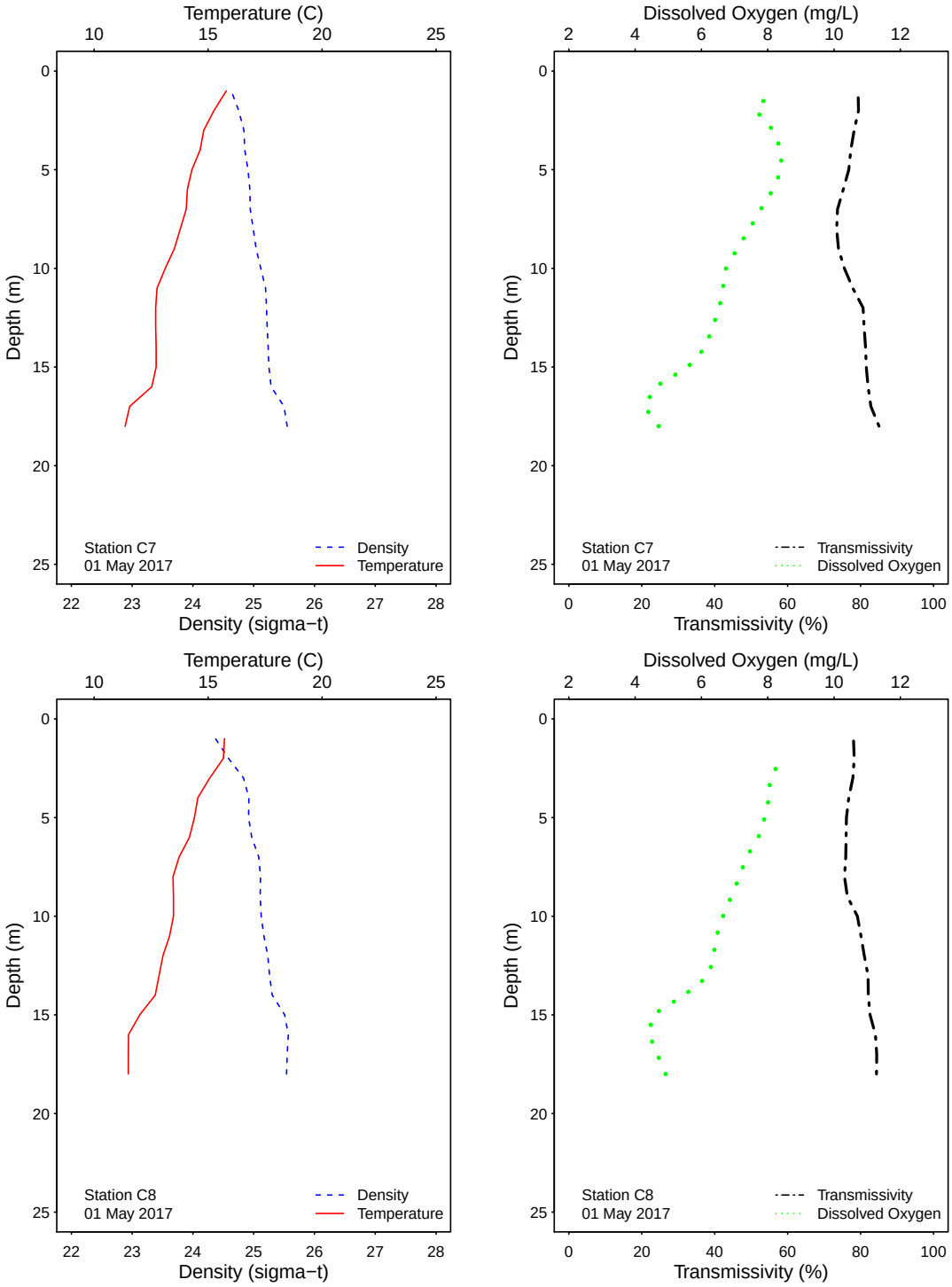


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

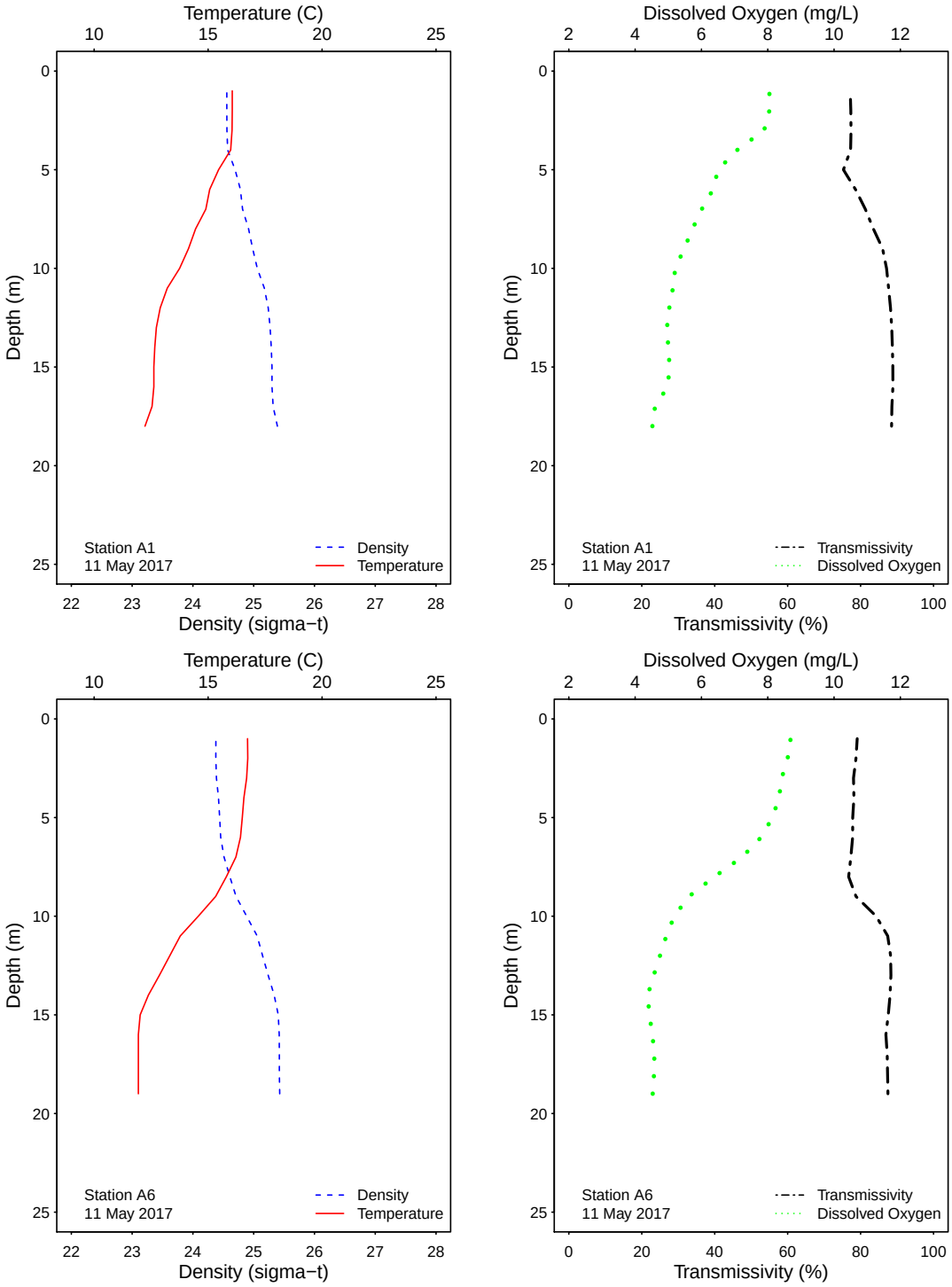


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

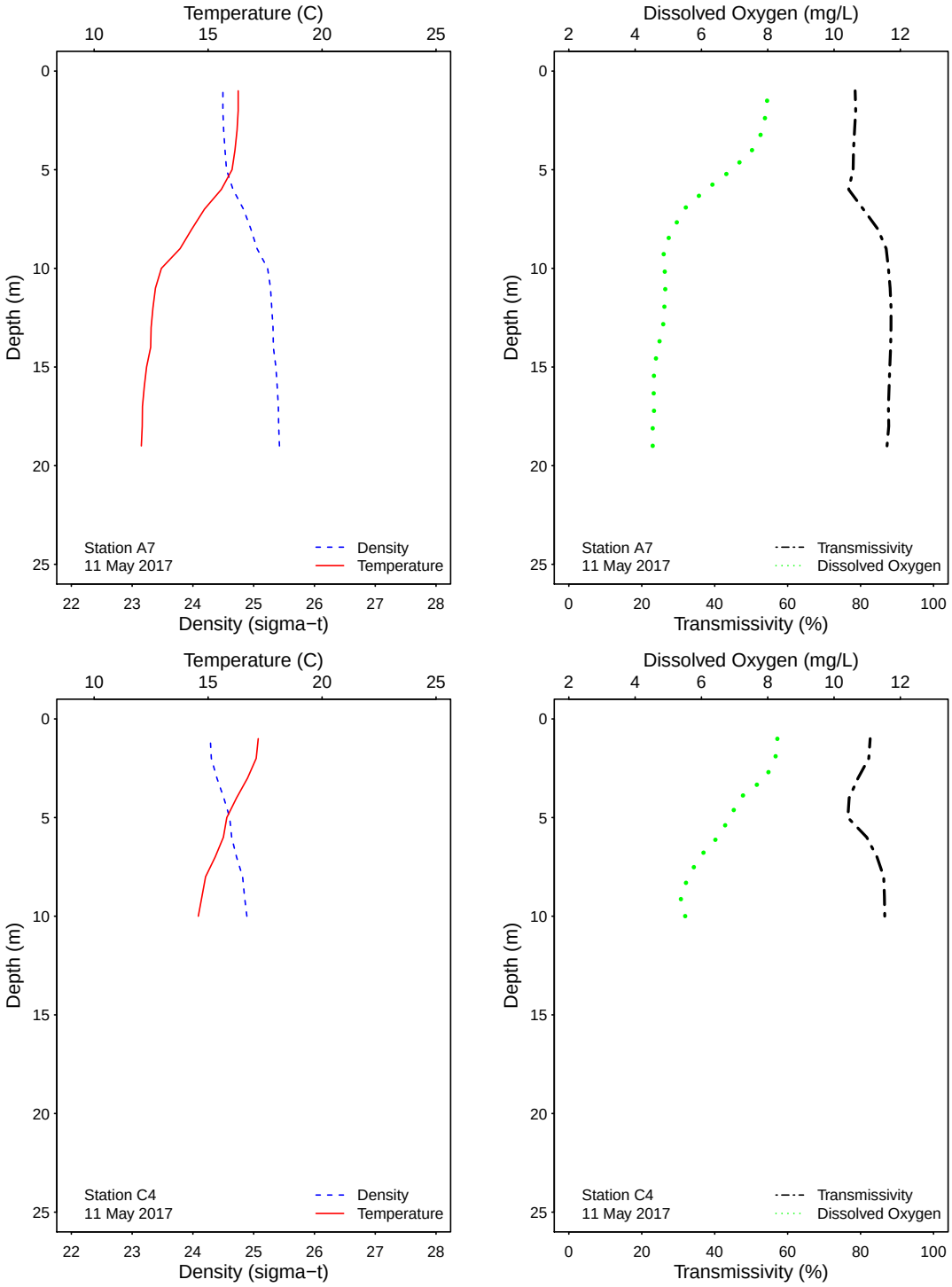


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

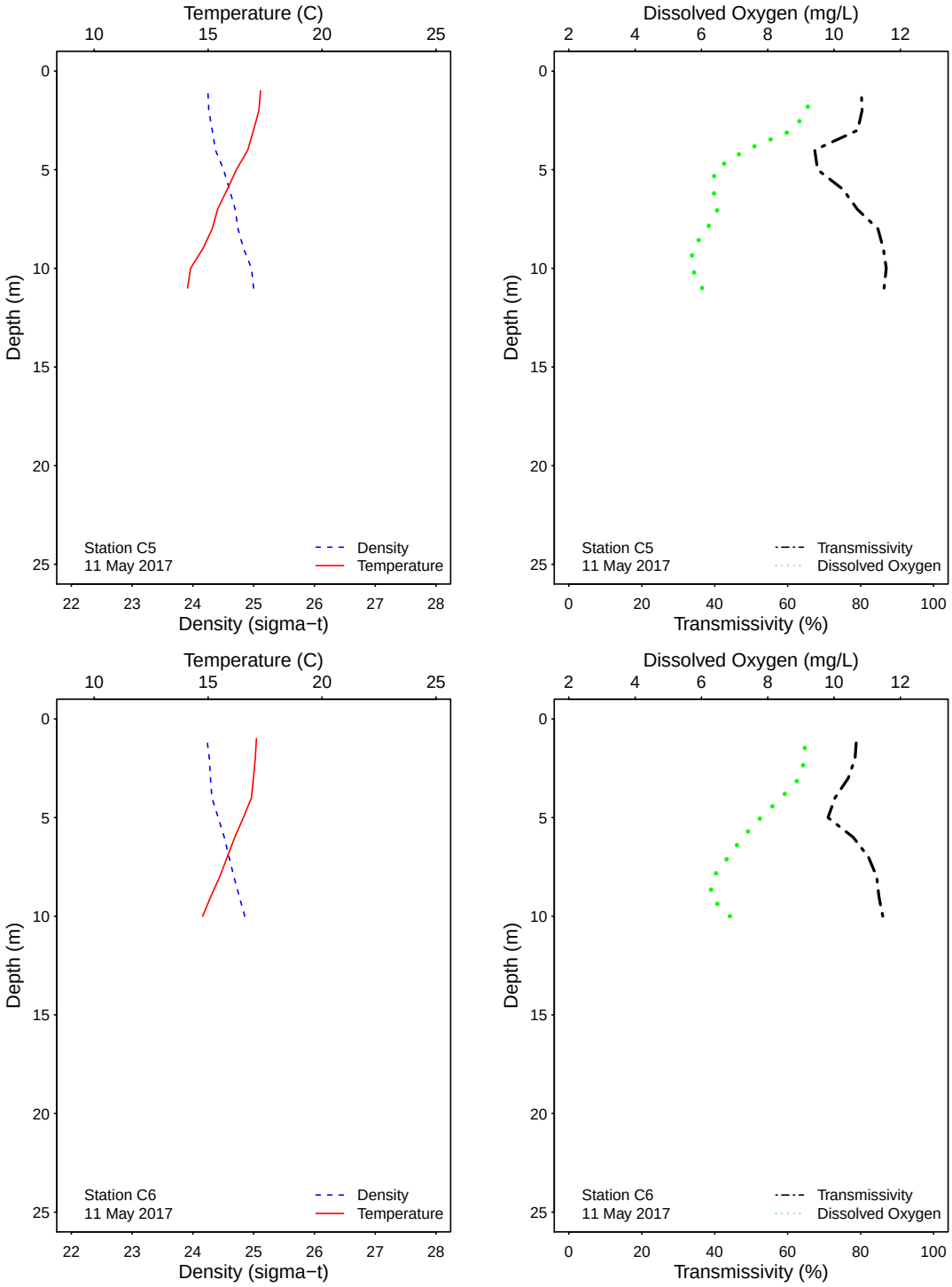


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

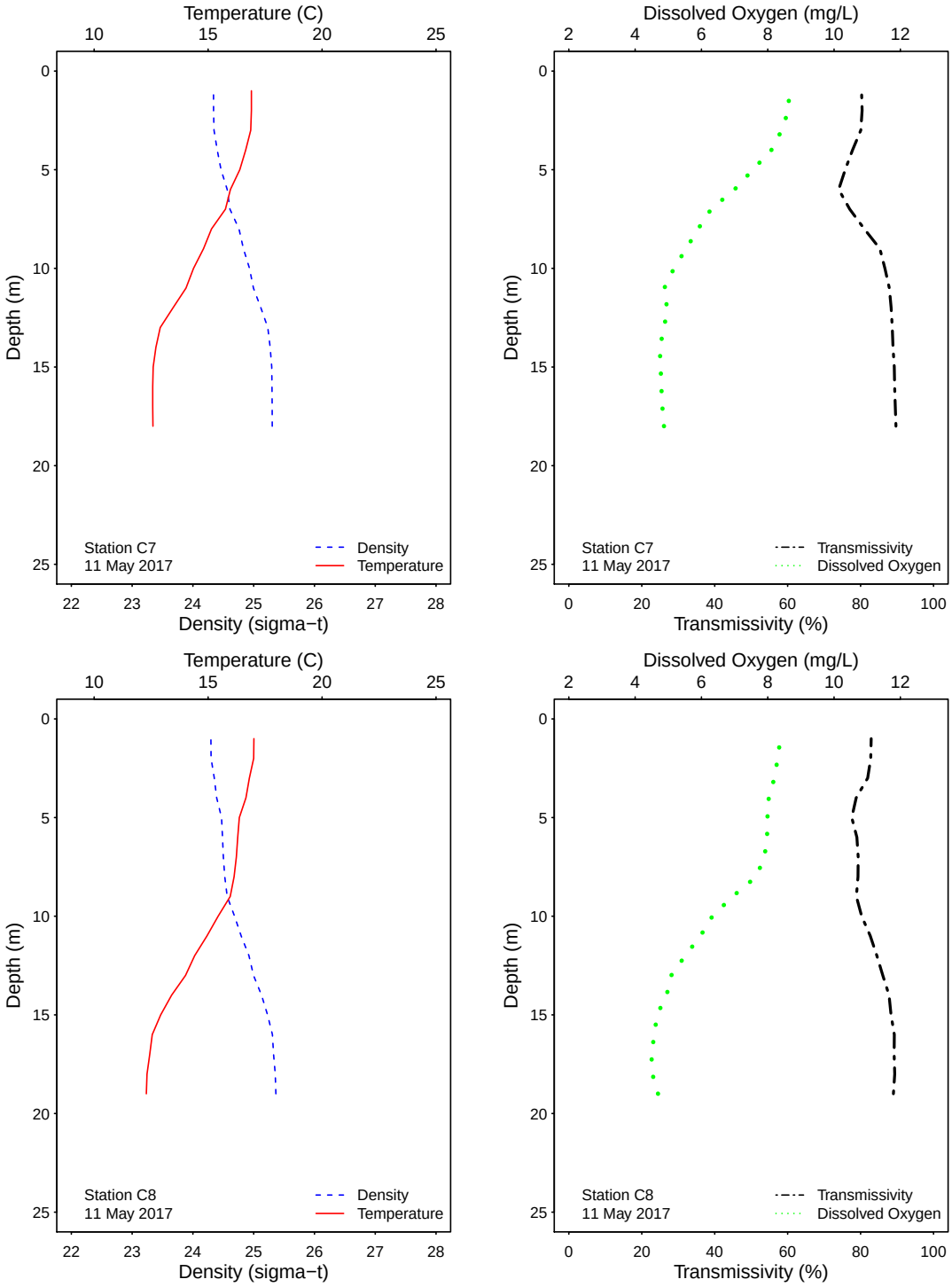


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

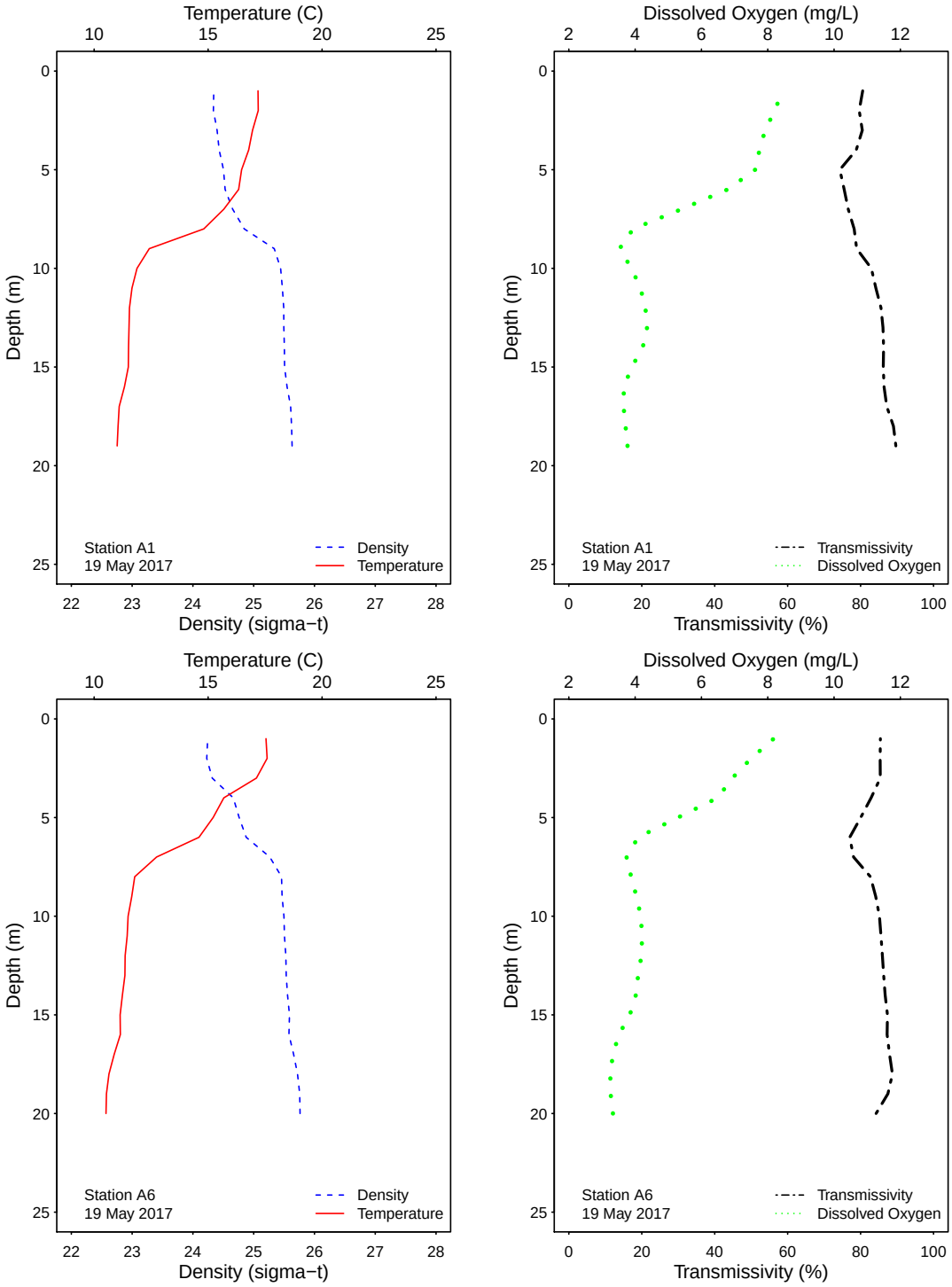


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

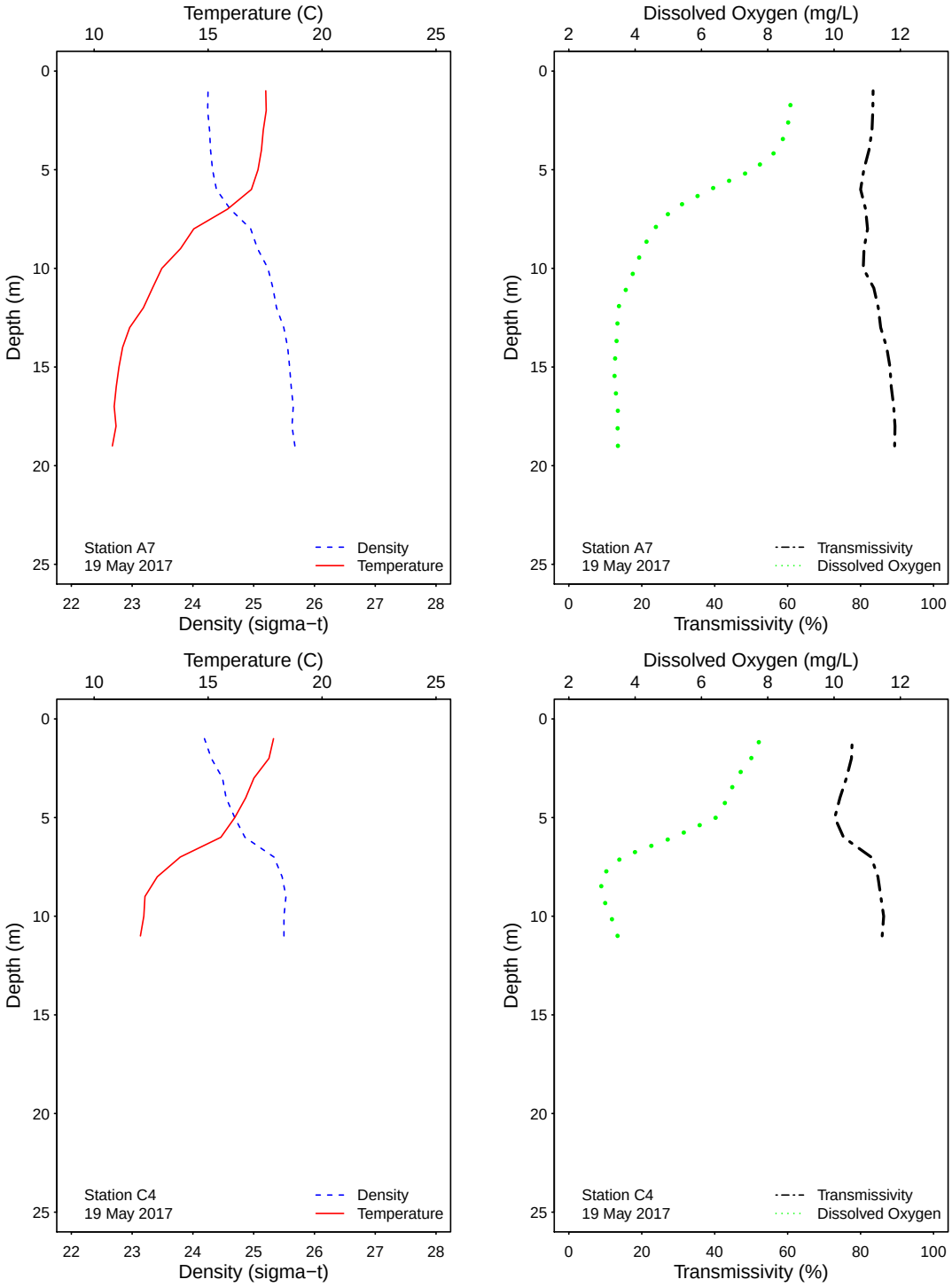


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

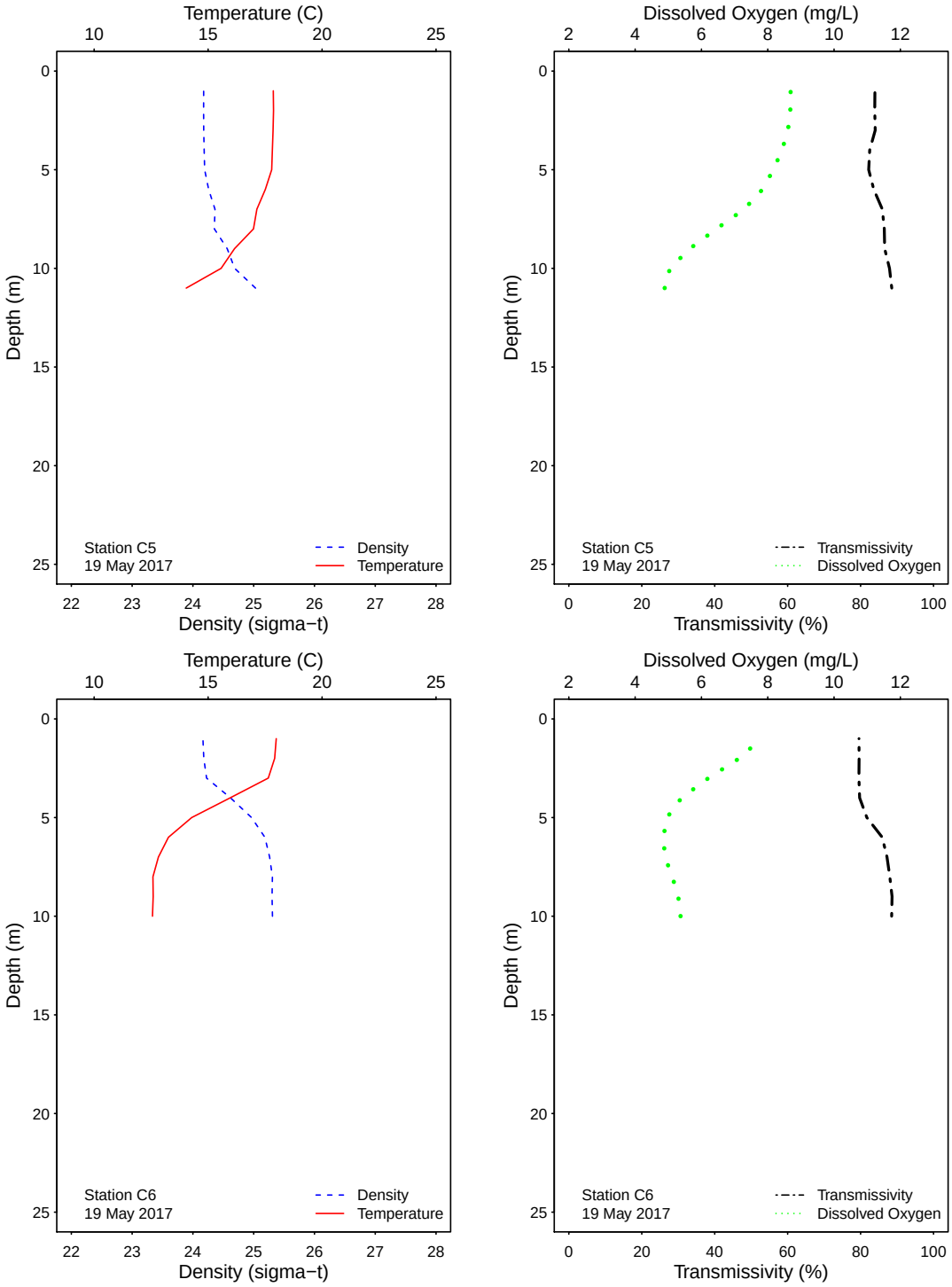


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

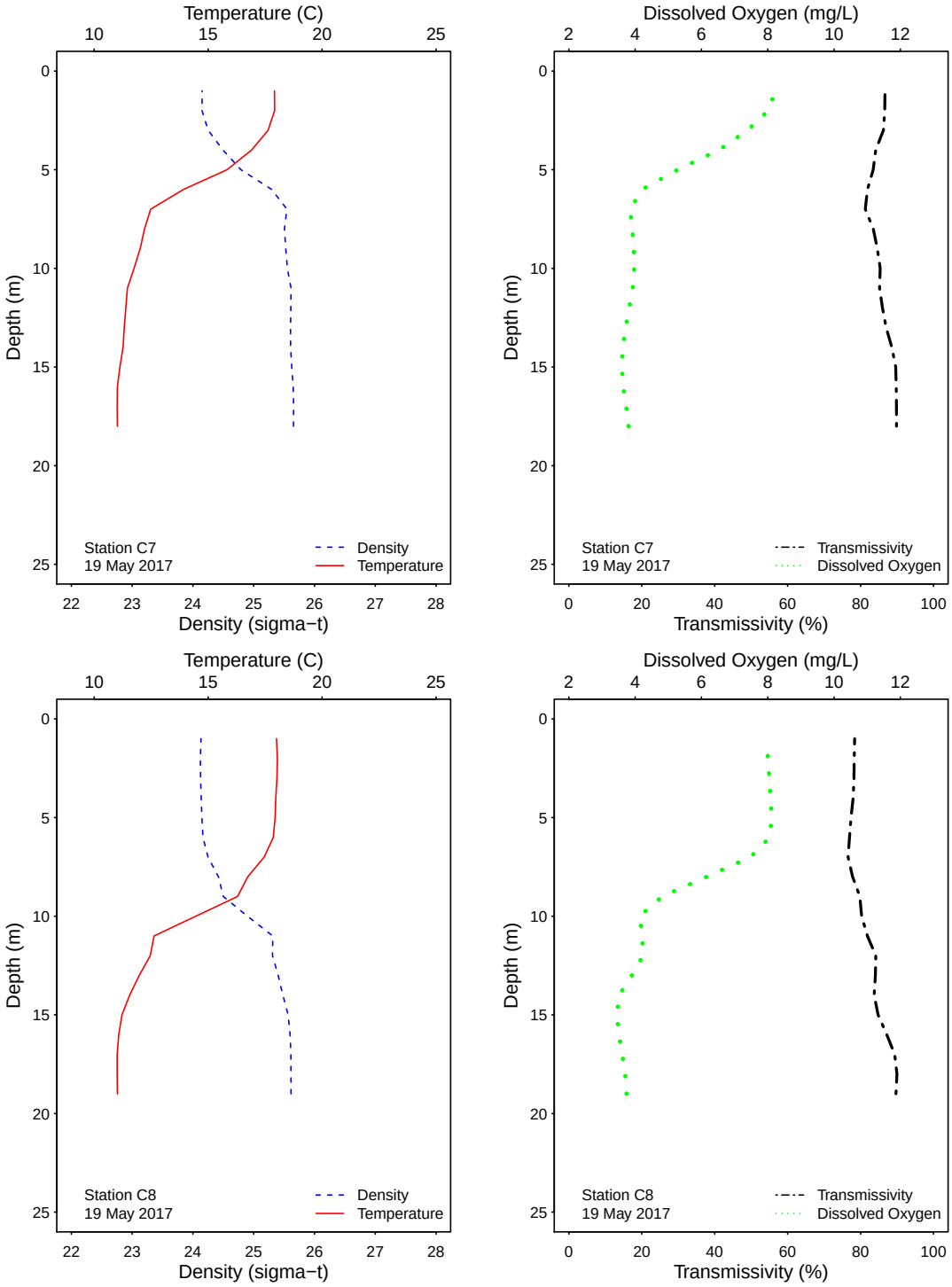


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

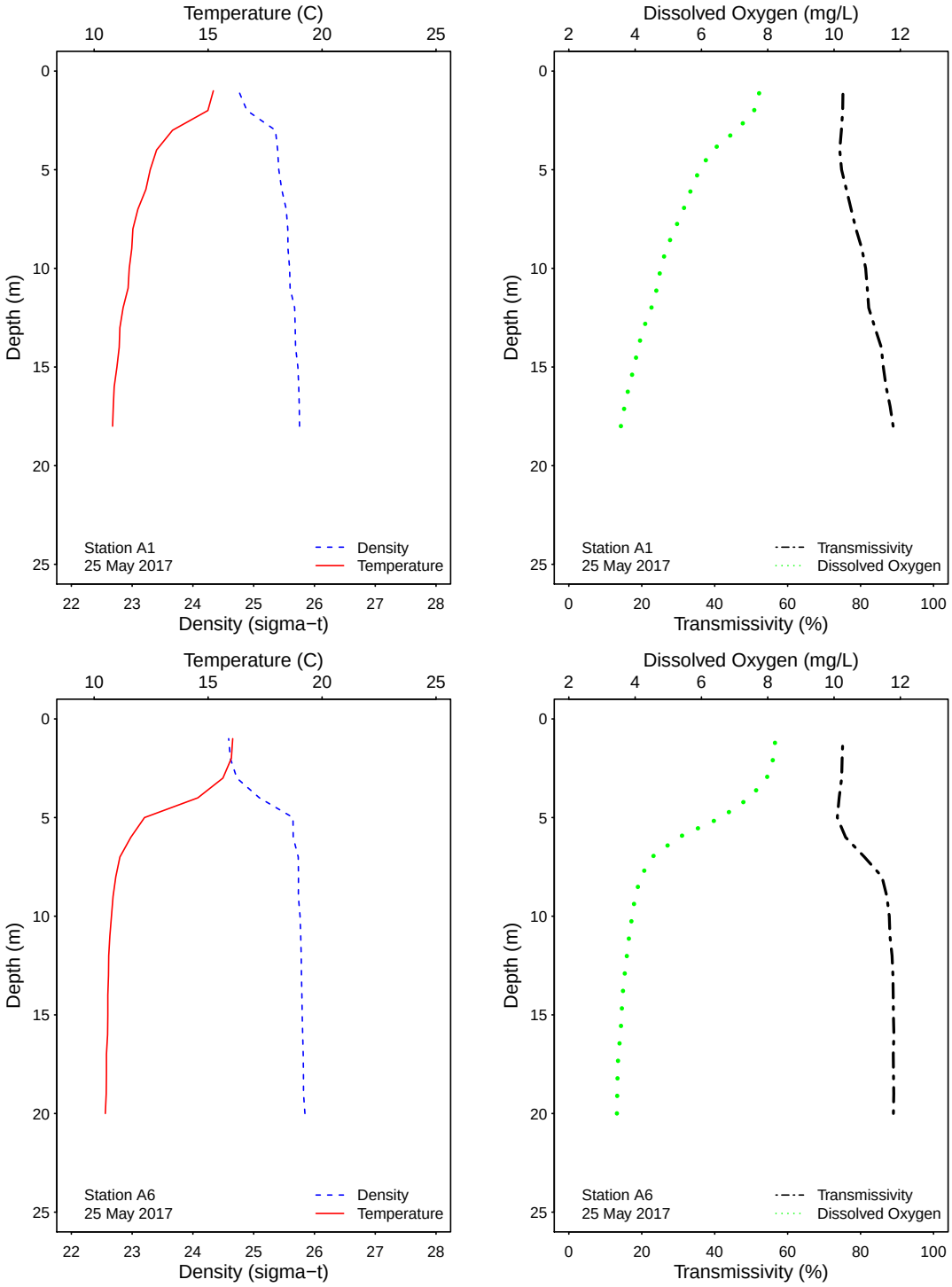


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

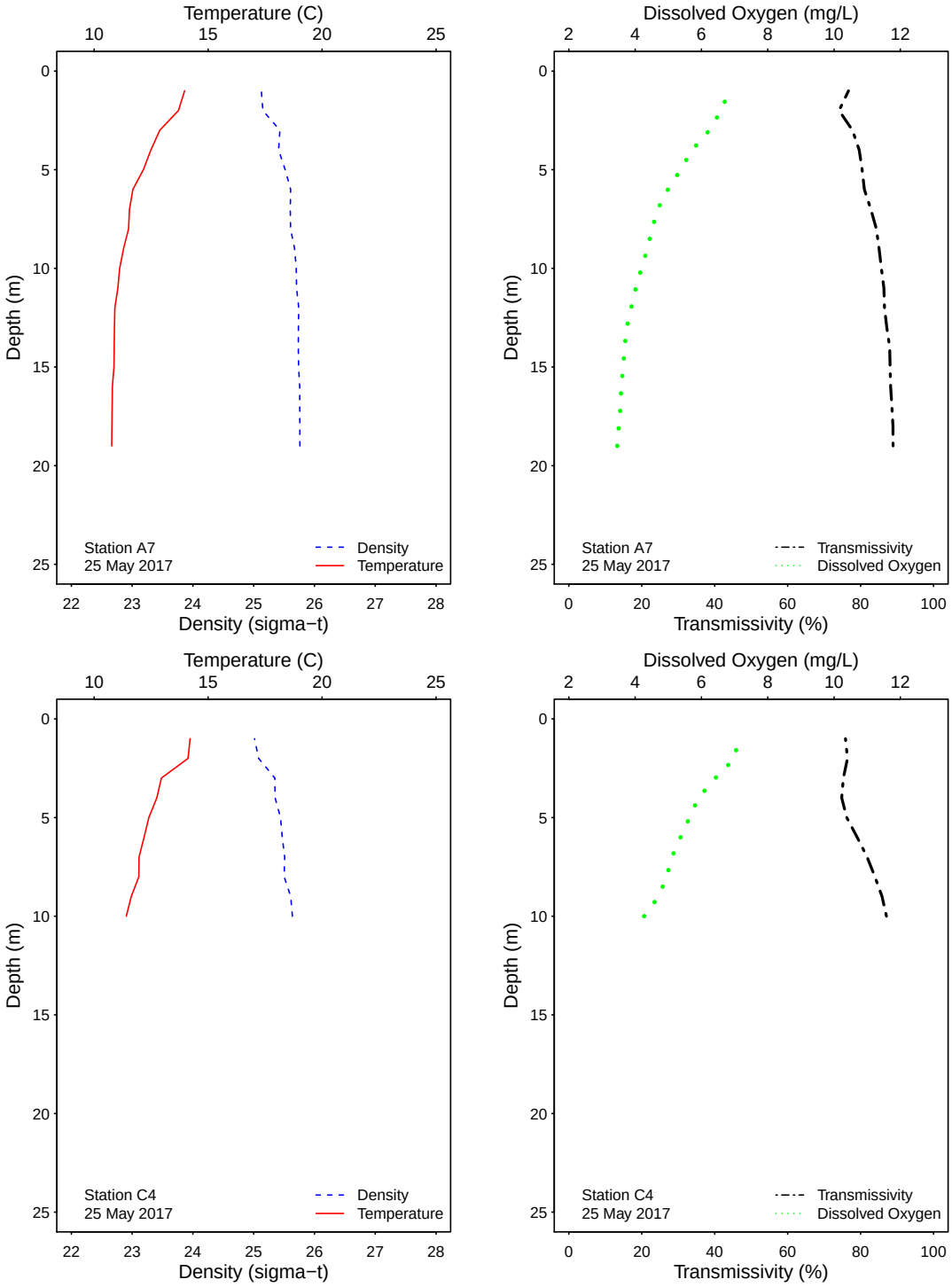


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

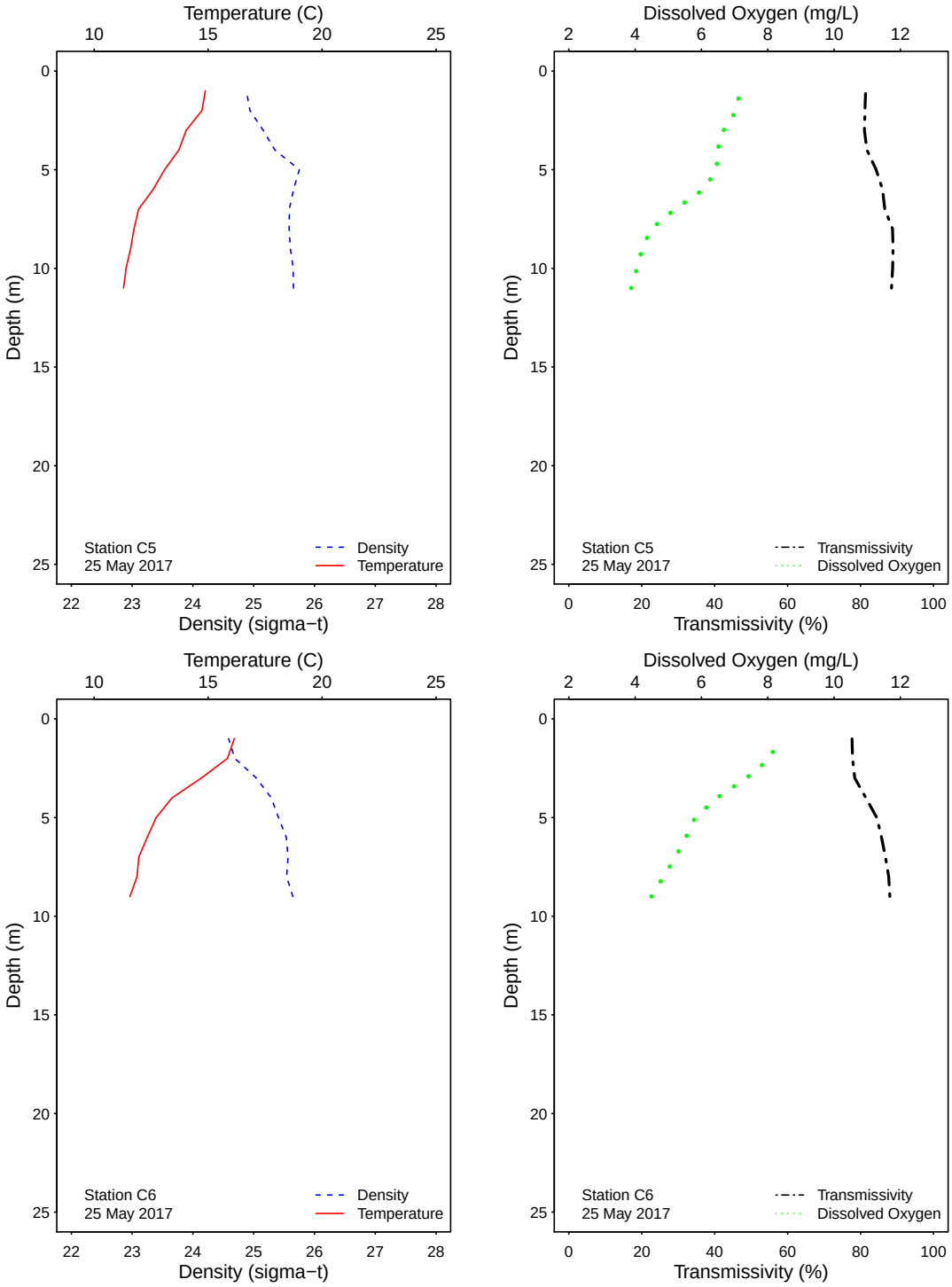


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

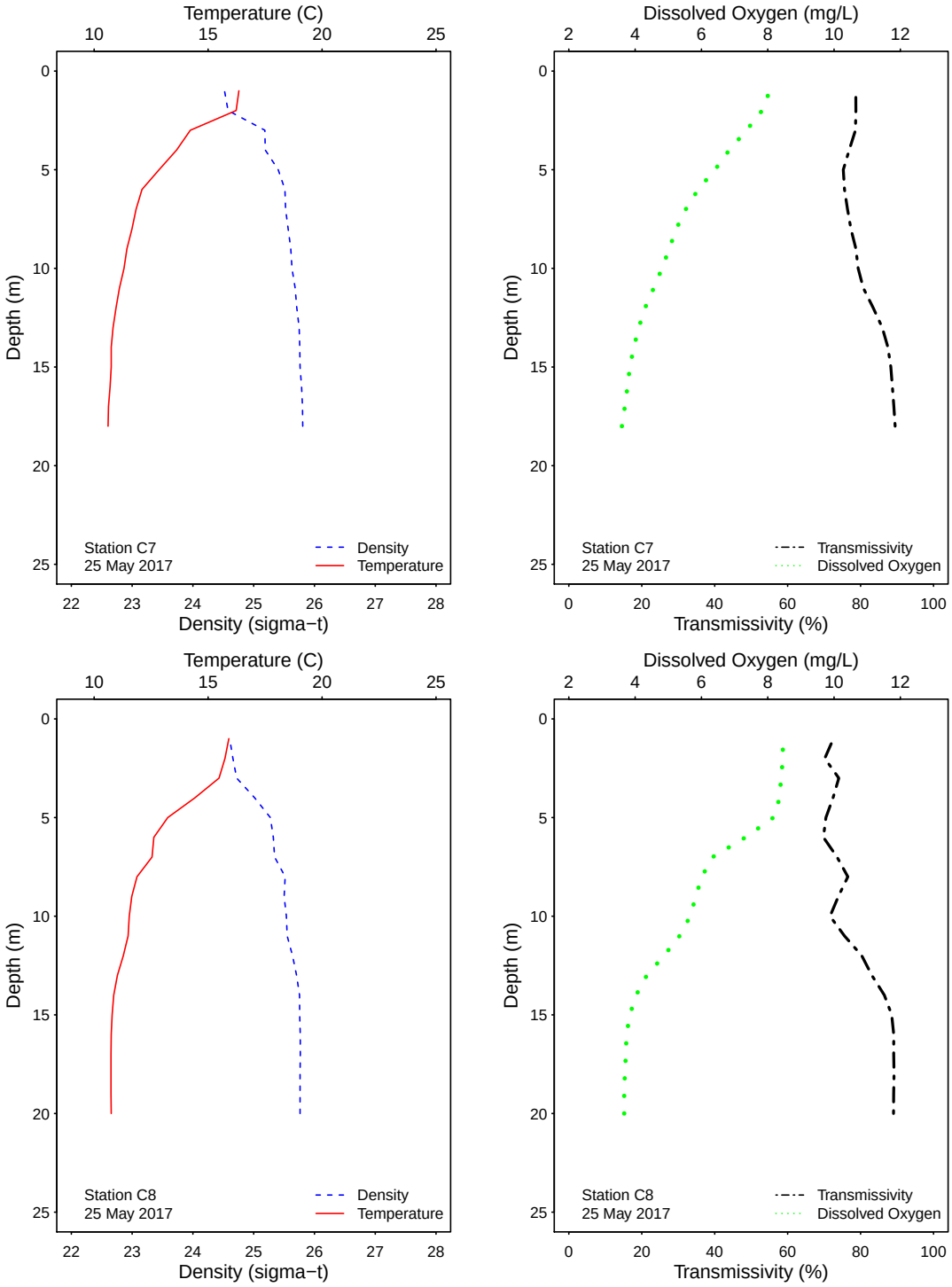


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

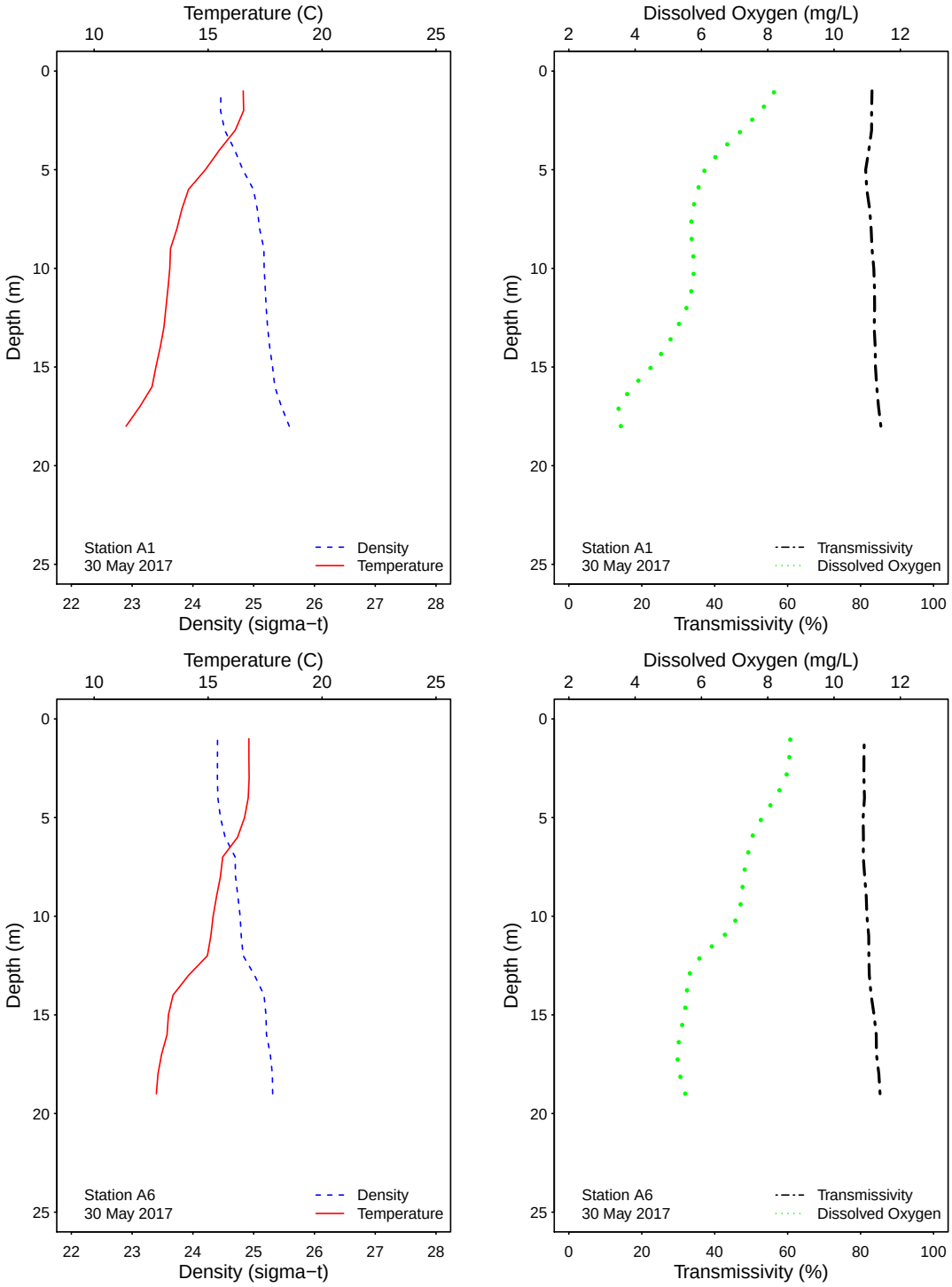


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

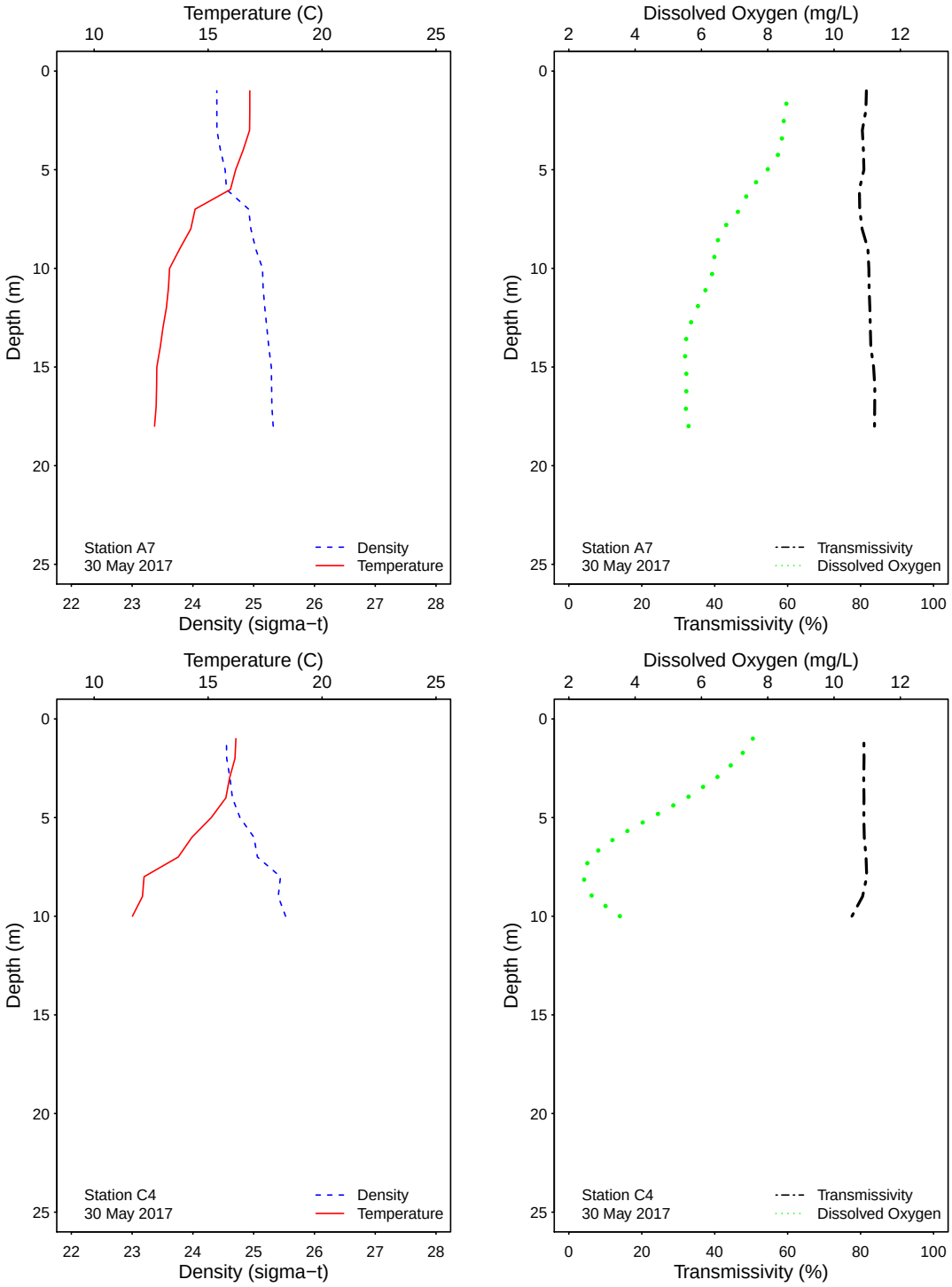


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

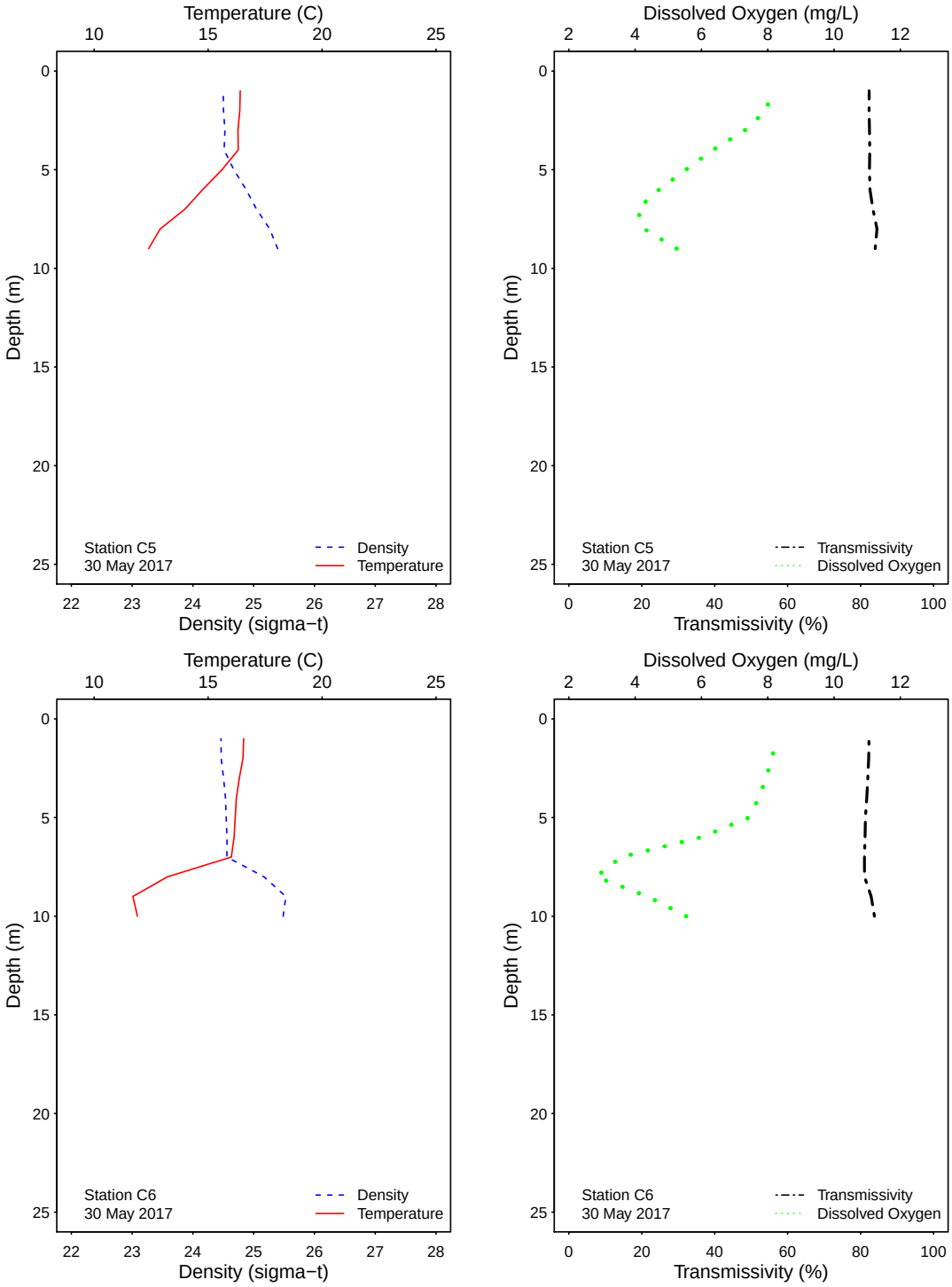


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

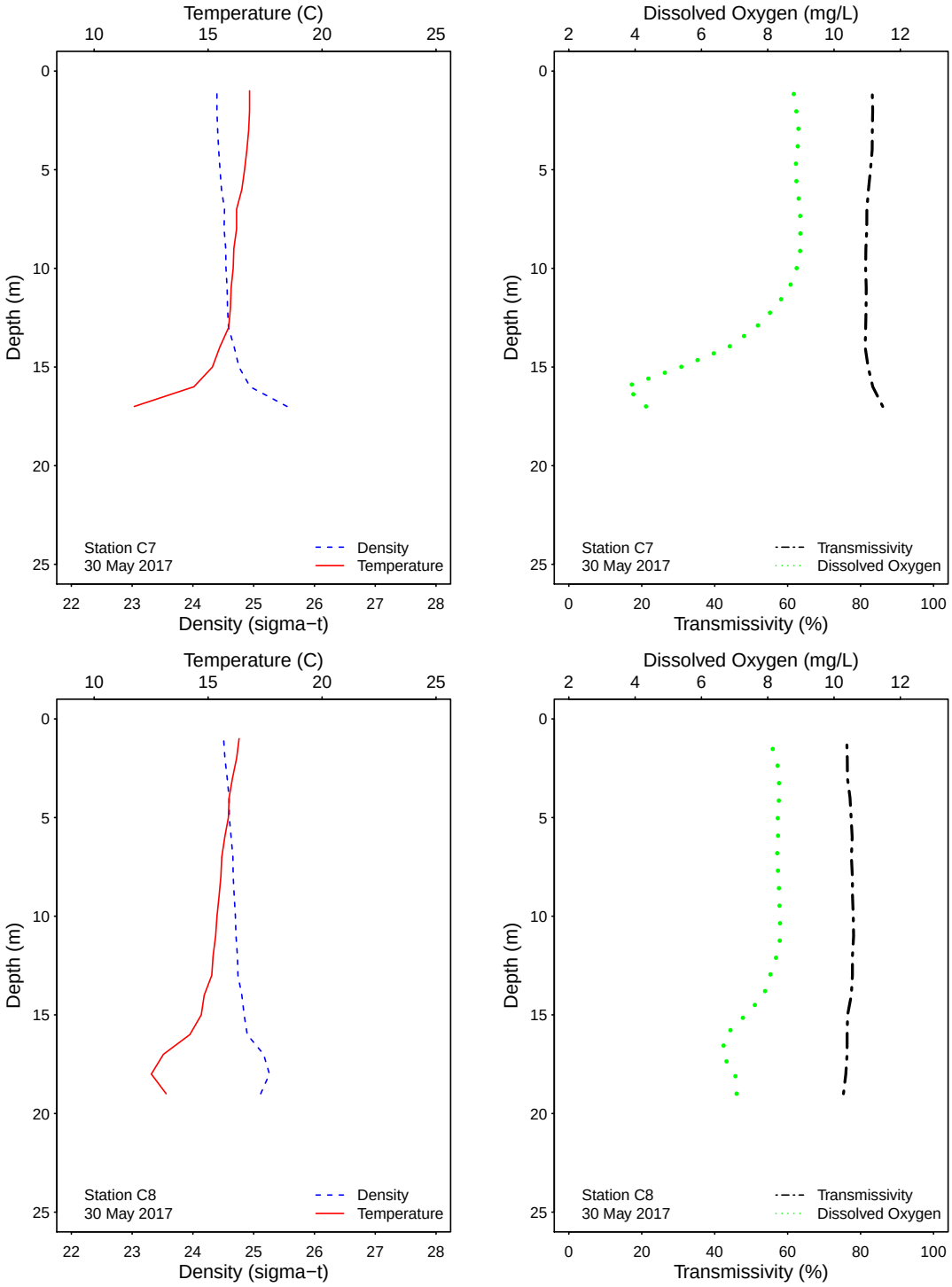


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 May 2017 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | E | E | E |
| 24 May 2017 | IC | IC | IC | IC | IC | IC | IC | IC | IC | IC | IC | IC | ns | ns | ns |

IC = In Compliance
E = Exceedance
ns = not sampled

**Table 4.2**

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

| Station | Date | Time | Depth | Entero | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|
| F01 | 24 May 2017 | 1232 | 1 | <2 | <0.01 | 13.66 | 71.38 | 6.2 | 33.55 | 8.0 |
| F01 | 24 May 2017 | 1232 | 12 | <2 | <0.01 | 11.28 | 83.12 | 4.2 | 33.62 | 7.8 |
| F01 | 24 May 2017 | 1232 | 18 | <2 | <0.01 | 10.92 | 85.26 | 3.7 | 33.62 | 7.8 |
| F02 | 24 May 2017 | 846 | 1 | <2 | <0.01 | 16.06 | 71.84 | 8.3 | 33.51 | 8.2 |
| F02 | 24 May 2017 | 846 | 12 | <2 | <0.01 | 11.64 | 64.05 | 6.3 | 33.49 | 8.0 |
| F02 | 24 May 2017 | 846 | 18 | <2 | <0.01 | 11.48 | 75.82 | 5.1 | 33.56 | 7.9 |
| F03 | 24 May 2017 | 914 | 1 | <2 | <0.01 | 16.28 | 75.79 | 8.7 | 33.49 | 8.2 |
| F03 | 24 May 2017 | 914 | 12 | <2 | <0.01 | 12.01 | 74.18 | 6.6 | 33.53 | 8.0 |
| F03 | 24 May 2017 | 914 | 18 | <2 | <0.01 | 10.91 | 84.12 | 3.9 | 33.64 | 7.8 |
| F04 | 24 May 2017 | 1203 | 1 | <2 | ns | 15.74 | 74.15 | 8.6 | 33.49 | 8.2 |
| F04 | 24 May 2017 | 1203 | 25 | <2 | ns | 10.50 | 90.22 | 3.7 | 33.65 | 7.8 |
| F04 | 24 May 2017 | 1203 | 60 | 36e | ns | 9.89 | 89.85 | 3.3 | 33.82 | 7.8 |
| F05 | 24 May 2017 | 1145 | 1 | <2 | ns | 15.12 | 74.89 | 7.9 | 33.51 | 8.2 |
| F05 | 24 May 2017 | 1145 | 25 | <2 | ns | 10.58 | 88.91 | 3.6 | 33.64 | 7.8 |
| F05 | 24 May 2017 | 1145 | 60 | 6e | ns | 9.93 | 87.92 | 3.2 | 33.83 | 7.8 |
| F06 | 24 May 2017 | 1132 | 1 | <2 | <0.01 | 15.96 | 74.13 | 8.4 | 33.48 | 8.2 |
| F06 | 24 May 2017 | 1132 | 25 | <2 | <0.01 | 10.51 | 90.44 | 3.6 | 33.67 | 7.8 |
| F06 | 24 May 2017 | 1132 | 60 | 4e | <0.01 | 9.94 | 82.50 | 3.1 | 33.83 | 7.8 |
| F07 | 24 May 2017 | 1118 | 1 | <2 | <0.01 | 16.51 | 78.15 | 8.8 | 33.48 | 8.3 |
| F07 | 24 May 2017 | 1118 | 25 | <2 | <0.01 | 10.49 | 89.81 | 3.6 | 33.66 | 7.8 |
| F07 | 24 May 2017 | 1118 | 60 | 6e | <0.01 | 9.93 | 82.25 | 3.0 | 33.82 | 7.8 |
| F08 | 24 May 2017 | 1103 | 1 | <2 | <0.01 | 16.87 | 79.46 | 8.7 | 33.47 | 8.3 |
| F08 | 24 May 2017 | 1103 | 25 | <2 | <0.01 | 10.61 | 89.58 | 3.8 | 33.64 | 7.8 |
| F08 | 24 May 2017 | 1103 | 60 | 16e | <0.01 | 9.90 | 80.17 | 3.0 | 33.79 | 7.8 |
| F09 | 24 May 2017 | 1051 | 1 | <2 | <0.01 | 17.47 | 82.07 | 8.6 | 33.48 | 8.3 |
| F09 | 24 May 2017 | 1051 | 25 | <2 | <0.01 | 10.49 | 90.01 | 3.8 | 33.66 | 7.8 |
| F09 | 24 May 2017 | 1051 | 60 | 20e | <0.01 | 9.87 | 75.34 | 3.0 | 33.80 | 7.8 |
| F10 | 24 May 2017 | 1036 | 1 | <2 | <0.01 | 16.17 | 74.32 | 8.8 | 33.48 | 8.2 |
| F10 | 24 May 2017 | 1036 | 25 | <2 | <0.01 | 10.50 | 90.36 | 3.9 | 33.66 | 7.8 |
| F10 | 24 May 2017 | 1036 | 60 | 20e | <0.01 | 9.80 | 79.99 | 2.9 | 33.82 | 7.7 |
| F11 | 24 May 2017 | 1020 | 1 | <2 | <0.01 | 17.36 | 81.30 | 8.6 | 33.49 | 8.3 |
| F11 | 24 May 2017 | 1020 | 25 | <2 | <0.01 | 10.25 | 90.64 | 3.8 | 33.74 | 7.8 |
| F11 | 24 May 2017 | 1020 | 60 | 20e | <0.01 | 9.82 | 77.21 | 3.0 | 33.83 | 7.8 |
| F12 | 24 May 2017 | 1005 | 1 | <2 | <0.01 | 18.12 | 83.39 | 8.4 | 33.50 | 8.3 |
| F12 | 24 May 2017 | 1005 | 25 | <2 | <0.01 | 10.72 | 89.81 | 4.0 | 33.63 | 7.8 |
| F12 | 24 May 2017 | 1005 | 60 | 22e | <0.01 | 9.79 | 85.16 | 3.0 | 33.83 | 7.7 |

| Station | Date | Time | Depth | Entero | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|
| F13 | 24 May 2017 | 950 | 1 | <2 | <0.01 | 18.20 | 76.08 | 8.5 | 33.50 | 8.3 |
| F13 | 24 May 2017 | 950 | 25 | <2 | <0.01 | 10.49 | 92.20 | 4.3 | 33.65 | 7.8 |
| F13 | 24 May 2017 | 950 | 60 | 10e | <0.01 | 9.87 | 81.03 | 3.1 | 33.81 | 7.7 |
| F14 | 24 May 2017 | 935 | 1 | <2 | <0.01 | 18.02 | 82.26 | 8.6 | 33.49 | 8.3 |
| F14 | 24 May 2017 | 935 | 25 | <2 | <0.01 | 10.41 | 92.28 | 4.0 | 33.66 | 7.8 |
| F14 | 24 May 2017 | 935 | 60 | 12e | <0.01 | 9.94 | 83.11 | 3.2 | 33.80 | 7.8 |
| F15 | 23 May 2017 | 1148 | 1 | <2 | ns | 16.78 | 78.65 | 8.4 | 33.51 | 8.2 |
| F15 | 23 May 2017 | 1148 | 25 | <2 | ns | 10.89 | 86.82 | 4.1 | 33.62 | 7.8 |
| F15 | 23 May 2017 | 1148 | 60 | 14e | ns | 9.96 | 90.38 | 3.4 | 33.81 | 7.8 |
| F15 | 23 May 2017 | 1148 | 80 | 6e | ns | 9.79 | 83.53 | 3.1 | 33.90 | 7.7 |
| F16 | 23 May 2017 | 1133 | 1 | <2 | ns | 16.44 | 68.29 | 8.6 | 33.49 | 8.2 |
| F16 | 23 May 2017 | 1133 | 25 | <2 | ns | 10.66 | 90.20 | 3.9 | 33.63 | 7.8 |
| F16 | 23 May 2017 | 1133 | 60 | 2e | ns | 10.02 | 89.78 | 3.4 | 33.77 | 7.8 |
| F16 | 23 May 2017 | 1133 | 80 | 2e | ns | 9.79 | 85.65 | 3.0 | 33.91 | 7.7 |
| F17 | 23 May 2017 | 1120 | 1 | <2 | ns | 16.98 | 76.00 | 8.5 | 33.50 | 8.2 |
| F17 | 23 May 2017 | 1120 | 25 | <2 | ns | 10.78 | 90.83 | 4.4 | 33.59 | 7.9 |
| F17 | 23 May 2017 | 1120 | 60 | 12e | ns | 9.95 | 90.69 | 3.2 | 33.76 | 7.8 |
| F17 | 23 May 2017 | 1120 | 80 | 4e | ns | 9.76 | 83.86 | 3.0 | 33.91 | 7.7 |
| F18 | 23 May 2017 | 1104 | 1 | <2 | <0.01 | 17.09 | 79.04 | 8.5 | 33.49 | 8.2 |
| F18 | 23 May 2017 | 1104 | 25 | <2 | <0.01 | 10.85 | 91.44 | 4.5 | 33.58 | 7.9 |
| F18 | 23 May 2017 | 1104 | 60 | 300e | <0.01 | 9.84 | 88.69 | 3.1 | 33.76 | 7.8 |
| F18 | 23 May 2017 | 1104 | 80 | 16e | <0.01 | 9.77 | 83.59 | 3.0 | 33.89 | 7.7 |
| F19 | 23 May 2017 | 1048 | 1 | <2 | <0.01 | 16.47 | 74.98 | 8.5 | 33.50 | 8.2 |
| F19 | 23 May 2017 | 1048 | 25 | <2 | <0.01 | 10.97 | 89.96 | 4.6 | 33.55 | 7.9 |
| F19 | 23 May 2017 | 1048 | 60 | 46 | 0.01 | 9.91 | 89.75 | 3.4 | 33.74 | 7.8 |
| F19 | 23 May 2017 | 1048 | 80 | 320e | <0.01 | 9.71 | 89.99 | 3.0 | 33.91 | 7.7 |
| F20 | 23 May 2017 | 1033 | 1 | <2 | <0.01 | 17.86 | 80.13 | 8.6 | 33.48 | 8.3 |
| F20 | 23 May 2017 | 1033 | 25 | <2 | <0.01 | 10.79 | 91.26 | 4.4 | 33.60 | 7.9 |
| F20 | 23 May 2017 | 1033 | 60 | <2 | <0.01 | 9.91 | 93.16 | 3.8 | 33.77 | 7.8 |
| F20 | 23 May 2017 | 1033 | 80 | 320e | <0.01 | 9.65 | 90.11 | 3.0 | 33.93 | 7.7 |
| F21 | 23 May 2017 | 1018 | 1 | <2 | ns | 18.07 | 81.73 | 8.5 | 33.48 | 8.3 |
| F21 | 23 May 2017 | 1018 | 25 | <2 | ns | 11.00 | 89.83 | 4.7 | 33.56 | 7.9 |
| F21 | 23 May 2017 | 1018 | 60 | <2 | ns | 9.91 | 93.17 | 3.8 | 33.77 | 7.8 |
| F21 | 23 May 2017 | 1018 | 80 | 140e | ns | 9.71 | 90.34 | 3.1 | 33.88 | 7.7 |
| F22 | 23 May 2017 | 1004 | 1 | <2 | ns | 18.13 | 80.67 | 8.5 | 33.50 | 8.3 |
| F22 | 23 May 2017 | 1004 | 25 | <2 | ns | 11.23 | 73.88 | 5.8 | 33.55 | 8.0 |
| F22 | 23 May 2017 | 1004 | 60 | <2 | ns | 9.92 | 93.09 | 3.8 | 33.78 | 7.8 |
| F22 | 23 May 2017 | 1004 | 80 | 86 | ns | 9.68 | 81.70 | 3.0 | 33.91 | 7.7 |
| F23 | 23 May 2017 | 949 | 1 | <2 | ns | 18.20 | 79.01 | 8.6 | 33.51 | 8.3 |
| F23 | 23 May 2017 | 949 | 25 | <2 | ns | 11.47 | 71.94 | 5.9 | 33.51 | 8.0 |
| F23 | 23 May 2017 | 949 | 60 | <2 | ns | 10.01 | 91.88 | 3.7 | 33.76 | 7.8 |
| F23 | 23 May 2017 | 949 | 80 | 54 | ns | 9.67 | 88.40 | 3.1 | 33.92 | 7.7 |
| F24 | 23 May 2017 | 933 | 1 | <2 | ns | 17.93 | 77.44 | 8.6 | 33.50 | 8.2 |

| Station | Date | Time | Depth | Entero | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|
| F24 | 23 May 2017 | 933 | 25 | <2 | ns | 11.28 | 87.11 | 5.3 | 33.51 | 7.9 |
| F24 | 23 May 2017 | 933 | 60 | 28e | ns | 10.03 | 91.92 | 3.6 | 33.76 | 7.8 |
| F24 | 23 May 2017 | 933 | 80 | 30e | ns | 9.65 | 88.08 | 3.1 | 33.94 | 7.7 |
| F25 | 23 May 2017 | 916 | 1 | <2 | ns | 18.57 | 81.17 | 8.5 | 33.50 | 8.2 |
| F25 | 23 May 2017 | 916 | 25 | <2 | ns | 11.26 | 88.80 | 5.2 | 33.51 | 7.9 |
| F25 | 23 May 2017 | 916 | 60 | 14e | ns | 9.94 | 92.01 | 3.5 | 33.77 | 7.8 |
| F25 | 23 May 2017 | 916 | 80 | 24e | ns | 9.79 | 85.57 | 3.1 | 33.86 | 7.7 |
| F26 | 22 May 2017 | 1142 | 1 | <2 | ns | 19.34 | 83.24 | 8.2 | 33.50 | 8.3 |
| F26 | 22 May 2017 | 1142 | 25 | <2 | ns | 10.75 | 90.99 | 4.4 | 33.64 | 7.9 |
| F26 | 22 May 2017 | 1142 | 60 | 4e | ns | 10.14 | 92.12 | 3.8 | 33.73 | 7.8 |
| F26 | 22 May 2017 | 1142 | 80 | 24e | ns | 9.77 | 92.34 | 3.4 | 33.86 | 7.8 |
| F26 | 22 May 2017 | 1142 | 98 | <2 | ns | 9.62 | 91.34 | 3.0 | 33.98 | 7.7 |
| F27 | 22 May 2017 | 1126 | 1 | <2 | ns | 19.08 | 82.60 | 8.2 | 33.49 | 8.3 |
| F27 | 22 May 2017 | 1126 | 25 | <2 | ns | 10.76 | 91.19 | 4.4 | 33.63 | 7.9 |
| F27 | 22 May 2017 | 1126 | 60 | 14e | ns | 10.08 | 92.77 | 3.8 | 33.74 | 7.8 |
| F27 | 22 May 2017 | 1126 | 80 | 14e | ns | 9.79 | 92.48 | 3.4 | 33.85 | 7.8 |
| F27 | 22 May 2017 | 1126 | 98 | 2e | ns | 9.61 | 90.54 | 2.8 | 34.00 | 7.7 |
| F28 | 22 May 2017 | 1111 | 1 | <2 | ns | 19.08 | 83.48 | 8.0 | 33.48 | 8.2 |
| F28 | 22 May 2017 | 1111 | 25 | <2 | ns | 10.80 | 90.95 | 4.4 | 33.59 | 7.9 |
| F28 | 22 May 2017 | 1111 | 60 | 20e | ns | 10.05 | 91.01 | 3.5 | 33.74 | 7.8 |
| F28 | 22 May 2017 | 1111 | 80 | 2e | ns | 9.76 | 92.48 | 3.3 | 33.88 | 7.8 |
| F28 | 22 May 2017 | 1111 | 98 | <2 | ns | 9.61 | 89.80 | 2.9 | 33.98 | 7.7 |
| F29 | 22 May 2017 | 1055 | 1 | <2 | ns | 19.14 | 83.23 | 8.2 | 33.49 | 8.2 |
| F29 | 22 May 2017 | 1055 | 25 | <2 | ns | 10.80 | 91.48 | 4.5 | 33.60 | 7.8 |
| F29 | 22 May 2017 | 1055 | 60 | 22e | ns | 9.99 | 90.46 | 3.4 | 33.74 | 7.8 |
| F29 | 22 May 2017 | 1055 | 80 | 8e | ns | 9.82 | 91.64 | 3.2 | 33.87 | 7.7 |
| F29 | 22 May 2017 | 1055 | 98 | 2e | ns | 9.60 | 89.51 | 3.0 | 33.98 | 7.7 |
| F30 | 22 May 2017 | 1040 | 1 | <2 | ns | 18.97 | 82.70 | 8.2 | 33.50 | 8.2 |
| F30 | 22 May 2017 | 1040 | 25 | <2 | ns | 10.95 | 90.58 | 4.5 | 33.58 | 7.8 |
| F30 | 22 May 2017 | 1040 | 60 | 480 | ns | 9.78 | 84.66 | 3.1 | 33.75 | 7.7 |
| F30 | 22 May 2017 | 1040 | 80 | 420 | ns | 9.75 | 85.17 | 3.0 | 33.78 | 7.7 |
| F30 | 22 May 2017 | 1040 | 98 | 54 | ns | 9.62 | 90.59 | 3.1 | 33.95 | 7.7 |
| F31 | 22 May 2017 | 1025 | 1 | <2 | ns | 19.00 | 82.44 | 8.3 | 33.50 | 8.2 |
| F31 | 22 May 2017 | 1025 | 25 | <2 | ns | 11.18 | 87.57 | 4.7 | 33.55 | 7.9 |
| F31 | 22 May 2017 | 1025 | 60 | <2 | ns | 10.03 | 92.66 | 4.0 | 33.73 | 7.8 |
| F31 | 22 May 2017 | 1025 | 80 | 22e | ns | 9.78 | 92.13 | 3.4 | 33.85 | 7.7 |
| F31 | 22 May 2017 | 1025 | 98 | 48 | ns | 9.61 | 90.71 | 3.1 | 33.96 | 7.7 |
| F32 | 22 May 2017 | 1009 | 1 | <2 | ns | 19.01 | 82.16 | 8.2 | 33.50 | 8.2 |
| F32 | 22 May 2017 | 1009 | 25 | <2 | ns | 10.81 | 91.34 | 4.4 | 33.60 | 7.8 |
| F32 | 22 May 2017 | 1009 | 60 | <2 | ns | 9.99 | 93.34 | 4.0 | 33.74 | 7.8 |
| F32 | 22 May 2017 | 1009 | 80 | <2 | ns | 9.81 | 92.99 | 3.6 | 33.83 | 7.7 |
| F32 | 22 May 2017 | 1009 | 98 | 34e | ns | 9.62 | 91.38 | 3.1 | 33.95 | 7.7 |
| F33 | 22 May 2017 | 953 | 1 | <2 | ns | 18.46 | 82.83 | 8.3 | 33.48 | 8.2 |
| F33 | 22 May 2017 | 953 | 25 | <2 | ns | 10.93 | 90.98 | 4.5 | 33.56 | 7.8 |
| F33 | 22 May 2017 | 953 | 60 | <2 | ns | 10.06 | 92.82 | 4.0 | 33.73 | 7.8 |
| F33 | 22 May 2017 | 953 | 80 | <2 | ns | 9.83 | 93.05 | 3.7 | 33.81 | 7.7 |

| Station | Date | Time | Depth | Entero | N-NH3 | Temp | XMS | DO | Sal | pH |
|---|---|---|---|---|---|---|---|---|---|---|
| F33 | 22 May 2017 | 953 | 98 | <2 | ns | 9.63 | 90.86 | 3.1 | 33.95 | 7.7 |
| F34 | 22 May 2017 | 932 | 1 | <2 | ns | 18.14 | 78.96 | 8.4 | 33.48 | 8.2 |
| F34 | 22 May 2017 | 932 | 25 | <2 | ns | 10.62 | 92.29 | 4.4 | 33.58 | 7.8 |
| F34 | 22 May 2017 | 932 | 60 | <2 | ns | 10.07 | 93.06 | 4.0 | 33.71 | 7.8 |
| F34 | 22 May 2017 | 932 | 80 | <2 | ns | 9.80 | 91.57 | 3.5 | 33.83 | 7.7 |
| F34 | 22 May 2017 | 932 | 98 | <2 | ns | 9.57 | 92.37 | 3.1 | 34.00 | 7.7 |
| F35 | 22 May 2017 | 916 | 1 | <2 | ns | 17.81 | 81.35 | 8.4 | 33.47 | 8.2 |
| F35 | 22 May 2017 | 916 | 25 | <2 | ns | 11.00 | 84.81 | 4.8 | 33.52 | 7.8 |
| F35 | 22 May 2017 | 916 | 60 | <2 | ns | 10.16 | 93.26 | 4.2 | 33.67 | 7.8 |
| F35 | 22 May 2017 | 916 | 80 | 2e | ns | 9.84 | 92.97 | 3.8 | 33.80 | 7.7 |
| F35 | 22 May 2017 | 916 | 98 | <2 | ns | 9.63 | 88.18 | 3.0 | 33.96 | 7.7 |
| F36 | 22 May 2017 | 858 | 1 | <2 | ns | 17.96 | 85.87 | 8.3 | 33.47 | 8.2 |
| F36 | 22 May 2017 | 858 | 25 | <2 | ns | 11.25 | 83.20 | 5.4 | 33.46 | 7.9 |
| F36 | 22 May 2017 | 858 | 60 | <2 | ns | 10.04 | 93.44 | 4.2 | 33.71 | 7.8 |
| F36 | 22 May 2017 | 858 | 80 | <2 | ns | 9.78 | 93.59 | 3.9 | 33.80 | 7.7 |
| F36 | 22 May 2017 | 858 | 98 | <2 | ns | 9.64 | 90.99 | 3.1 | 33.94 | 7.7 |

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 | 24 May 2017 | Depth (m) | 20 |
| F01 | 24 May 2017 | Arrive Time | 1232 |
| F01 | 24 May 2017 | Depart Time | 1235 |
| F01 | 24 May 2017 | Air Temp (C) | 15 |
| F01 | 24 May 2017 | Weather | Partly Cloudy |
| F01 | 24 May 2017 | Visibility (mi) | 8 |
| F01 | 24 May 2017 | Wind Speed (kts) | 8 |
| F01 | 24 May 2017 | Wind Dir | N |
| F01 | 24 May 2017 | Water Color | Green |
| F01 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F01 | 24 May 2017 | Wave Period (sec) | 13 |
| F01 | 24 May 2017 | Sea State | Heavy chop |
| F01 | 24 May 2017 | High Tide (ft) | 4.4 |
| F01 | 24 May 2017 | High Tide Time | 858 |
| F01 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F01 | 24 May 2017 | Low Tide Time | 1433 |
| F01 | 24 May 2017 | Comments | |
| | | | |
| F02 | 24 May 2017 | Depth (m) | 21 |
| F02 | 24 May 2017 | Arrive Time | 846 |
| F02 | 24 May 2017 | Depart Time | 902 |
| F02 | 24 May 2017 | Air Temp (C) | 15 |
| F02 | 24 May 2017 | Weather | Continuous layer of clouds |
| F02 | 24 May 2017 | Visibility (mi) | 6 |
| F02 | 24 May 2017 | Wind Speed (kts) | 3 |
| F02 | 24 May 2017 | Wind Dir | S |
| F02 | 24 May 2017 | Water Color | Brownish-Green |
| F02 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F02 | 24 May 2017 | Wave Period (sec) | 13 |
| F02 | 24 May 2017 | Sea State | Light chop |
| F02 | 24 May 2017 | High Tide (ft) | 4.4 |
| F02 | 24 May 2017 | High Tide Time | 858 |
| F02 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F02 | 24 May 2017 | Low Tide Time | 1433 |
| F02 | 24 May 2017 | Comments | |
| | | | |
| F03 | 24 May 2017 | Depth (m) | 19 |
| F03 | 24 May 2017 | Arrive Time | 914 |
| F03 | 24 May 2017 | Depart Time | 917 |
| F03 | 24 May 2017 | Air Temp (C) | 16 |
| F03 | 24 May 2017 | Weather | Continuous layer of clouds |
| F03 | 24 May 2017 | Visibility (mi) | 6 |
| F03 | 24 May 2017 | Wind Speed (kts) | 5 |
| F03 | 24 May 2017 | Wind Dir | E |
| F03 | 24 May 2017 | Water Color | Brownish-Green |
| F03 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F03 | 24 May 2017 | Wave Period (sec) | 13 |
| F03 | 24 May 2017 | Sea State | Light chop |
| F03 | 24 May 2017 | High Tide (ft) | 4.4 |
| F03 | 24 May 2017 | High Tide Time | 858 |
| F03 | 24 May 2017 | Low Tide (ft) | 0.7 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F03 | 24 May 2017 | Low Tide Time | 1433 |
| F03 | 24 May 2017 | Comments | |
| | | | |
| F04 | 24 May 2017 | Depth (m) | 61 |
| F04 | 24 May 2017 | Arrive Time | 1203 |
| F04 | 24 May 2017 | Depart Time | 1206 |
| F04 | 24 May 2017 | Air Temp (C) | 15 |
| F04 | 24 May 2017 | Weather | Continuous layer of clouds |
| F04 | 24 May 2017 | Visibility (mi) | 8 |
| F04 | 24 May 2017 | Wind Speed (kts) | 6 |
| F04 | 24 May 2017 | Wind Dir | E |
| F04 | 24 May 2017 | Water Color | Greenish-Blue |
| F04 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F04 | 24 May 2017 | Wave Period (sec) | 13 |
| F04 | 24 May 2017 | Sea State | Light chop |
| F04 | 24 May 2017 | High Tide (ft) | 4.4 |
| F04 | 24 May 2017 | High Tide Time | 858 |
| F04 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F04 | 24 May 2017 | Low Tide Time | 1433 |
| F04 | 24 May 2017 | Comments | |
| | | | |
| F05 | 24 May 2017 | Depth (m) | 61 |
| F05 | 24 May 2017 | Arrive Time | 1145 |
| F05 | 24 May 2017 | Depart Time | 1149 |
| F05 | 24 May 2017 | Air Temp (C) | 15 |
| F05 | 24 May 2017 | Weather | Continuous layer of clouds |
| F05 | 24 May 2017 | Visibility (mi) | 8 |
| F05 | 24 May 2017 | Wind Speed (kts) | 7 |
| F05 | 24 May 2017 | Wind Dir | N |
| F05 | 24 May 2017 | Water Color | Greenish-Blue |
| F05 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F05 | 24 May 2017 | Wave Period (sec) | 13 |
| F05 | 24 May 2017 | Sea State | Light chop |
| F05 | 24 May 2017 | High Tide (ft) | 4.4 |
| F05 | 24 May 2017 | High Tide Time | 858 |
| F05 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F05 | 24 May 2017 | Low Tide Time | 1433 |
| F05 | 24 May 2017 | Comments | |
| | | | |
| F06 | 24 May 2017 | Depth (m) | 61 |
| F06 | 24 May 2017 | Arrive Time | 1132 |
| F06 | 24 May 2017 | Depart Time | 1136 |
| F06 | 24 May 2017 | Air Temp (C) | 16 |
| F06 | 24 May 2017 | Weather | Continuous layer of clouds |
| F06 | 24 May 2017 | Visibility (mi) | 8 |
| F06 | 24 May 2017 | Wind Speed (kts) | 9 |
| F06 | 24 May 2017 | Wind Dir | W |
| F06 | 24 May 2017 | Water Color | Greenish-Blue |
| F06 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F06 | 24 May 2017 | Wave Period (sec) | 13 |
| F06 | 24 May 2017 | Sea State | Light chop |
| F06 | 24 May 2017 | High Tide (ft) | 4.4 |
| F06 | 24 May 2017 | High Tide Time | 858 |
| F06 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F06 | 24 May 2017 | Low Tide Time | 1433 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F06 | 24 May 2017 | Comments | |
| | | | |
| F07 | 24 May 2017 | Depth (m) | 65 |
| F07 | 24 May 2017 | Arrive Time | 1118 |
| F07 | 24 May 2017 | Depart Time | 1122 |
| F07 | 24 May 2017 | Air Temp (C) | 16 |
| F07 | 24 May 2017 | Weather | Continuous layer of clouds |
| F07 | 24 May 2017 | Visibility (mi) | 8 |
| F07 | 24 May 2017 | Wind Speed (kts) | 9 |
| F07 | 24 May 2017 | Wind Dir | S |
| F07 | 24 May 2017 | Water Color | Greenish-Blue |
| F07 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F07 | 24 May 2017 | Wave Period (sec) | 13 |
| F07 | 24 May 2017 | Sea State | Light chop |
| F07 | 24 May 2017 | High Tide (ft) | 4.4 |
| F07 | 24 May 2017 | High Tide Time | 858 |
| F07 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F07 | 24 May 2017 | Low Tide Time | 1433 |
| F07 | 24 May 2017 | Comments | |
| | | | |
| F08 | 24 May 2017 | Depth (m) | 62 |
| F08 | 24 May 2017 | Arrive Time | 1103 |
| F08 | 24 May 2017 | Depart Time | 1107 |
| F08 | 24 May 2017 | Air Temp (C) | 16 |
| F08 | 24 May 2017 | Weather | Continuous layer of clouds |
| F08 | 24 May 2017 | Visibility (mi) | 8 |
| F08 | 24 May 2017 | Wind Speed (kts) | 9 |
| F08 | 24 May 2017 | Wind Dir | E |
| F08 | 24 May 2017 | Water Color | Greenish-Blue |
| F08 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F08 | 24 May 2017 | Wave Period (sec) | 13 |
| F08 | 24 May 2017 | Sea State | Light chop |
| F08 | 24 May 2017 | High Tide (ft) | 4.4 |
| F08 | 24 May 2017 | High Tide Time | 858 |
| F08 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F08 | 24 May 2017 | Low Tide Time | 1433 |
| F08 | 24 May 2017 | Comments | |
| | | | |
| F09 | 24 May 2017 | Depth (m) | 63 |
| F09 | 24 May 2017 | Arrive Time | 1051 |
| F09 | 24 May 2017 | Depart Time | 1056 |
| F09 | 24 May 2017 | Air Temp (C) | 16 |
| F09 | 24 May 2017 | Weather | Continuous layer of clouds |
| F09 | 24 May 2017 | Visibility (mi) | 8 |
| F09 | 24 May 2017 | Wind Speed (kts) | 5 |
| F09 | 24 May 2017 | Wind Dir | SE |
| F09 | 24 May 2017 | Water Color | Greenish-Blue |
| F09 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F09 | 24 May 2017 | Wave Period (sec) | 13 |
| F09 | 24 May 2017 | Sea State | Light chop |
| F09 | 24 May 2017 | High Tide (ft) | 4.4 |
| F09 | 24 May 2017 | High Tide Time | 858 |
| F09 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F09 | 24 May 2017 | Low Tide Time | 1433 |
| F09 | 24 May 2017 | Comments | |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F10 | 24 May 2017 | Depth (m) | 61 |
| F10 | 24 May 2017 | Arrive Time | 1036 |
| F10 | 24 May 2017 | Depart Time | 1040 |
| F10 | 24 May 2017 | Air Temp (C) | 16 |
| F10 | 24 May 2017 | Weather | Continuous layer of clouds |
| F10 | 24 May 2017 | Visibility (mi) | 8 |
| F10 | 24 May 2017 | Wind Speed (kts) | 6 |
| F10 | 24 May 2017 | Wind Dir | SW |
| F10 | 24 May 2017 | Water Color | Greenish-Blue |
| F10 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F10 | 24 May 2017 | Wave Period (sec) | 13 |
| F10 | 24 May 2017 | Sea State | Light chop |
| F10 | 24 May 2017 | High Tide (ft) | 4.4 |
| F10 | 24 May 2017 | High Tide Time | 858 |
| F10 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F10 | 24 May 2017 | Low Tide Time | 1433 |
| F10 | 24 May 2017 | Comments | |
| F11 | 24 May 2017 | Depth (m) | 61 |
| F11 | 24 May 2017 | Arrive Time | 1020 |
| F11 | 24 May 2017 | Depart Time | 1025 |
| F11 | 24 May 2017 | Air Temp (C) | 16 |
| F11 | 24 May 2017 | Weather | Continuous layer of clouds |
| F11 | 24 May 2017 | Visibility (mi) | 8 |
| F11 | 24 May 2017 | Wind Speed (kts) | 5 |
| F11 | 24 May 2017 | Wind Dir | E |
| F11 | 24 May 2017 | Water Color | Green |
| F11 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F11 | 24 May 2017 | Wave Period (sec) | 13 |
| F11 | 24 May 2017 | Sea State | Light chop |
| F11 | 24 May 2017 | High Tide (ft) | 4.4 |
| F11 | 24 May 2017 | High Tide Time | 858 |
| F11 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F11 | 24 May 2017 | Low Tide Time | 1433 |
| F11 | 24 May 2017 | Comments | |
| F12 | 24 May 2017 | Depth (m) | 62 |
| F12 | 24 May 2017 | Arrive Time | 1005 |
| F12 | 24 May 2017 | Depart Time | 1010 |
| F12 | 24 May 2017 | Air Temp (C) | 16 |
| F12 | 24 May 2017 | Weather | Continuous layer of clouds |
| F12 | 24 May 2017 | Visibility (mi) | 8 |
| F12 | 24 May 2017 | Wind Speed (kts) | 7 |
| F12 | 24 May 2017 | Wind Dir | E |
| F12 | 24 May 2017 | Water Color | Green |
| F12 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F12 | 24 May 2017 | Wave Period (sec) | 13 |
| F12 | 24 May 2017 | Sea State | Light chop |
| F12 | 24 May 2017 | High Tide (ft) | 4.4 |
| F12 | 24 May 2017 | High Tide Time | 858 |
| F12 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F12 | 24 May 2017 | Low Tide Time | 1433 |
| F12 | 24 May 2017 | Comments | |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F13 | 24 May 2017 | Depth (m) | 62 |
| F13 | 24 May 2017 | Arrive Time | 950 |
| F13 | 24 May 2017 | Depart Time | 956 |
| F13 | 24 May 2017 | Air Temp (C) | 15 |
| F13 | 24 May 2017 | Weather | Continuous layer of clouds |
| F13 | 24 May 2017 | Visibility (mi) | 8 |
| F13 | 24 May 2017 | Wind Speed (kts) | 5 |
| F13 | 24 May 2017 | Wind Dir | SW |
| F13 | 24 May 2017 | Water Color | Green |
| F13 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F13 | 24 May 2017 | Wave Period (sec) | 13 |
| F13 | 24 May 2017 | Sea State | Light chop |
| F13 | 24 May 2017 | High Tide (ft) | 4.4 |
| F13 | 24 May 2017 | High Tide Time | 858 |
| F13 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F13 | 24 May 2017 | Low Tide Time | 1433 |
| F13 | 24 May 2017 | Comments | |
| | | | |
| F14 | 24 May 2017 | Depth (m) | 60 |
| F14 | 24 May 2017 | Arrive Time | 935 |
| F14 | 24 May 2017 | Depart Time | 941 |
| F14 | 24 May 2017 | Air Temp (C) | 15 |
| F14 | 24 May 2017 | Weather | Continuous layer of clouds |
| F14 | 24 May 2017 | Visibility (mi) | 6 |
| F14 | 24 May 2017 | Wind Speed (kts) | 4 |
| F14 | 24 May 2017 | Wind Dir | NE |
| F14 | 24 May 2017 | Water Color | Brownish-Green |
| F14 | 24 May 2017 | Wave Ht Low (ft) | 4 |
| F14 | 24 May 2017 | Wave Period (sec) | 13 |
| F14 | 24 May 2017 | Sea State | Light chop |
| F14 | 24 May 2017 | High Tide (ft) | 4.4 |
| F14 | 24 May 2017 | High Tide Time | 858 |
| F14 | 24 May 2017 | Low Tide (ft) | 0.7 |
| F14 | 24 May 2017 | Low Tide Time | 1433 |
| F14 | 24 May 2017 | Comments | Steep thermocline impacting salinity values |
| | | | |
| F15 | 23 May 2017 | Depth (m) | 81 |
| F15 | 23 May 2017 | Arrive Time | 1148 |
| F15 | 23 May 2017 | Depart Time | 1156 |
| F15 | 23 May 2017 | Air Temp (C) | 16 |
| F15 | 23 May 2017 | Weather | Overcast |
| F15 | 23 May 2017 | Visibility (mi) | 3 |
| F15 | 23 May 2017 | Wind Speed (kts) | 11 |
| F15 | 23 May 2017 | Wind Dir | N |
| F15 | 23 May 2017 | Water Color | Blue |
| F15 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F15 | 23 May 2017 | Wave Period (sec) | 13 |
| F15 | 23 May 2017 | Sea State | Heavy chop |
| F15 | 23 May 2017 | High Tide (ft) | 4.3 |
| F15 | 23 May 2017 | High Tide Time | 806 |
| F15 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F15 | 23 May 2017 | Low Tide Time | 1352 |
| F15 | 23 May 2017 | Comments | |
| | | | |
| F16 | 23 May 2017 | Depth (m) | 82 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F16 | 23 May 2017 | Arrive Time | 1133 |
| F16 | 23 May 2017 | Depart Time | 1141 |
| F16 | 23 May 2017 | Air Temp (C) | 16 |
| F16 | 23 May 2017 | Weather | Overcast |
| F16 | 23 May 2017 | Visibility (mi) | 3 |
| F16 | 23 May 2017 | Wind Speed (kts) | 10 |
| F16 | 23 May 2017 | Wind Dir | E |
| F16 | 23 May 2017 | Water Color | Blue |
| F16 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F16 | 23 May 2017 | Wave Period (sec) | 13 |
| F16 | 23 May 2017 | Sea State | Heavy chop |
| F16 | 23 May 2017 | High Tide (ft) | 4.3 |
| F16 | 23 May 2017 | High Tide Time | 806 |
| F16 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F16 | 23 May 2017 | Low Tide Time | 1352 |
| F16 | 23 May 2017 | Comments | |
| | | | |
| F17 | 23 May 2017 | Depth (m) | 84 |
| F17 | 23 May 2017 | Arrive Time | 1120 |
| F17 | 23 May 2017 | Depart Time | 1126 |
| F17 | 23 May 2017 | Air Temp (C) | 16 |
| F17 | 23 May 2017 | Weather | Overcast |
| F17 | 23 May 2017 | Visibility (mi) | 3 |
| F17 | 23 May 2017 | Wind Speed (kts) | 12 |
| F17 | 23 May 2017 | Wind Dir | SE |
| F17 | 23 May 2017 | Water Color | Blue |
| F17 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F17 | 23 May 2017 | Wave Period (sec) | 13 |
| F17 | 23 May 2017 | Sea State | Light chop |
| F17 | 23 May 2017 | High Tide (ft) | 4.3 |
| F17 | 23 May 2017 | High Tide Time | 806 |
| F17 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F17 | 23 May 2017 | Low Tide Time | 1352 |
| F17 | 23 May 2017 | Comments | |
| | | | |
| F18 | 23 May 2017 | Depth (m) | 84 |
| F18 | 23 May 2017 | Arrive Time | 1104 |
| F18 | 23 May 2017 | Depart Time | 1113 |
| F18 | 23 May 2017 | Air Temp (C) | 16 |
| F18 | 23 May 2017 | Weather | Overcast |
| F18 | 23 May 2017 | Visibility (mi) | 3 |
| F18 | 23 May 2017 | Wind Speed (kts) | 11 |
| F18 | 23 May 2017 | Wind Dir | E |
| F18 | 23 May 2017 | Water Color | Blue |
| F18 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F18 | 23 May 2017 | Wave Period (sec) | 13 |
| F18 | 23 May 2017 | Sea State | Wind ripples |
| F18 | 23 May 2017 | High Tide (ft) | 4.3 |
| F18 | 23 May 2017 | High Tide Time | 806 |
| F18 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F18 | 23 May 2017 | Low Tide Time | 1352 |
| F18 | 23 May 2017 | Comments | |
| | | | |
| F19 | 23 May 2017 | Depth (m) | 82 |
| F19 | 23 May 2017 | Arrive Time | 1048 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F19 | 23 May 2017 | Depart Time | 1055 |
| F19 | 23 May 2017 | Air Temp (C) | 16 |
| F19 | 23 May 2017 | Weather | Overcast |
| F19 | 23 May 2017 | Visibility (mi) | 3 |
| F19 | 23 May 2017 | Wind Speed (kts) | 12 |
| F19 | 23 May 2017 | Wind Dir | NW |
| F19 | 23 May 2017 | Water Color | Blue |
| F19 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F19 | 23 May 2017 | Wave Period (sec) | 13 |
| F19 | 23 May 2017 | Sea State | Wind ripples |
| F19 | 23 May 2017 | High Tide (ft) | 4.3 |
| F19 | 23 May 2017 | High Tide Time | 806 |
| F19 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F19 | 23 May 2017 | Low Tide Time | 1352 |
| F19 | 23 May 2017 | Comments | |
| | | | |
| F20 | 23 May 2017 | Depth (m) | 83 |
| F20 | 23 May 2017 | Arrive Time | 1033 |
| F20 | 23 May 2017 | Depart Time | 1040 |
| F20 | 23 May 2017 | Air Temp (C) | 16 |
| F20 | 23 May 2017 | Weather | Overcast |
| F20 | 23 May 2017 | Visibility (mi) | 3 |
| F20 | 23 May 2017 | Wind Speed (kts) | 11 |
| F20 | 23 May 2017 | Wind Dir | W |
| F20 | 23 May 2017 | Water Color | Blue |
| F20 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F20 | 23 May 2017 | Wave Period (sec) | 13 |
| F20 | 23 May 2017 | Sea State | Wind ripples |
| F20 | 23 May 2017 | High Tide (ft) | 4.3 |
| F20 | 23 May 2017 | High Tide Time | 806 |
| F20 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F20 | 23 May 2017 | Low Tide Time | 1352 |
| F20 | 23 May 2017 | Comments | |
| | | | |
| F21 | 23 May 2017 | Depth (m) | 83 |
| F21 | 23 May 2017 | Arrive Time | 1018 |
| F21 | 23 May 2017 | Depart Time | 1027 |
| F21 | 23 May 2017 | Air Temp (C) | 16 |
| F21 | 23 May 2017 | Weather | Overcast |
| F21 | 23 May 2017 | Visibility (mi) | 3 |
| F21 | 23 May 2017 | Wind Speed (kts) | 9 |
| F21 | 23 May 2017 | Wind Dir | E |
| F21 | 23 May 2017 | Water Color | Blue |
| F21 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F21 | 23 May 2017 | Wave Period (sec) | 13 |
| F21 | 23 May 2017 | Sea State | Wind ripples |
| F21 | 23 May 2017 | High Tide (ft) | 4.3 |
| F21 | 23 May 2017 | High Tide Time | 806 |
| F21 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F21 | 23 May 2017 | Low Tide Time | 1352 |
| F21 | 23 May 2017 | Comments | |
| | | | |
| F22 | 23 May 2017 | Depth (m) | 81 |
| F22 | 23 May 2017 | Arrive Time | 1004 |
| F22 | 23 May 2017 | Depart Time | 1012 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F22 | 23 May 2017 | Air Temp (C) | 16 |
| F22 | 23 May 2017 | Weather | Overcast |
| F22 | 23 May 2017 | Visibility (mi) | 3 |
| F22 | 23 May 2017 | Wind Speed (kts) | 7 |
| F22 | 23 May 2017 | Wind Dir | N |
| F22 | 23 May 2017 | Water Color | Blue |
| F22 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F22 | 23 May 2017 | Wave Period (sec) | 13 |
| F22 | 23 May 2017 | Sea State | Wind ripples |
| F22 | 23 May 2017 | High Tide (ft) | 4.3 |
| F22 | 23 May 2017 | High Tide Time | 806 |
| F22 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F22 | 23 May 2017 | Low Tide Time | 1352 |
| F22 | 23 May 2017 | Comments | |
| | | | |
| F24 | 23 May 2017 | Depth (m) | 83 |
| F24 | 23 May 2017 | Arrive Time | 933 |
| F24 | 23 May 2017 | Depart Time | 941 |
| F24 | 23 May 2017 | Air Temp (C) | 16 |
| F24 | 23 May 2017 | Weather | Overcast |
| F24 | 23 May 2017 | Visibility (mi) | 3 |
| F24 | 23 May 2017 | Wind Speed (kts) | 4 |
| F24 | 23 May 2017 | Wind Dir | S |
| F24 | 23 May 2017 | Water Color | Blue |
| F24 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F24 | 23 May 2017 | Wave Period (sec) | 13 |
| F24 | 23 May 2017 | Sea State | Wind ripples |
| F24 | 23 May 2017 | High Tide (ft) | 4.3 |
| F24 | 23 May 2017 | High Tide Time | 806 |
| F24 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F24 | 23 May 2017 | Low Tide Time | 1352 |
| F24 | 23 May 2017 | Comments | |
| | | | |
| F25 | 23 May 2017 | Depth (m) | 81 |
| F25 | 23 May 2017 | Arrive Time | 916 |
| F25 | 23 May 2017 | Depart Time | 926 |
| F25 | 23 May 2017 | Air Temp (C) | 16 |
| F25 | 23 May 2017 | Weather | Overcast |
| F25 | 23 May 2017 | Visibility (mi) | 3 |
| F25 | 23 May 2017 | Wind Speed (kts) | 5 |
| F25 | 23 May 2017 | Wind Dir | SW |
| F25 | 23 May 2017 | Water Color | Blue |
| F25 | 23 May 2017 | Wave Ht Low (ft) | 4 |
| F25 | 23 May 2017 | Wave Period (sec) | 13 |
| F25 | 23 May 2017 | Sea State | Wind ripples |
| F25 | 23 May 2017 | High Tide (ft) | 4.3 |
| F25 | 23 May 2017 | High Tide Time | 806 |
| F25 | 23 May 2017 | Low Tide (ft) | 0.6 |
| F25 | 23 May 2017 | Low Tide Time | 1352 |
| F25 | 23 May 2017 | Comments | |
| | | | |
| F26 | 22 May 2017 | Depth (m) | 99 |
| F26 | 22 May 2017 | Arrive Time | 1142 |
| F26 | 22 May 2017 | Depart Time | 1148 |
| F26 | 22 May 2017 | Air Temp (C) | 16 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F26 | 22 May 2017 | Weather | Partly Cloudy |
| F26 | 22 May 2017 | Visibility (mi) | 10 |
| F26 | 22 May 2017 | Wind Speed (kts) | 8 |
| F26 | 22 May 2017 | Wind Dir | SW |
| F26 | 22 May 2017 | Water Color | Green |
| F26 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F26 | 22 May 2017 | Wave Period (sec) | 13 |
| F26 | 22 May 2017 | Sea State | Light chop |
| F26 | 22 May 2017 | High Tide (ft) | 4.1 |
| F26 | 22 May 2017 | High Tide Time | 712 |
| F26 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F26 | 22 May 2017 | Low Tide Time | 1311 |
| F26 | 22 May 2017 | Comments | Boats |
| | | | |
| F27 | 22 May 2017 | Depth (m) | 99 |
| F27 | 22 May 2017 | Arrive Time | 1126 |
| F27 | 22 May 2017 | Depart Time | 1134 |
| F27 | 22 May 2017 | Air Temp (C) | 16 |
| F27 | 22 May 2017 | Weather | Partly Cloudy |
| F27 | 22 May 2017 | Visibility (mi) | 8 |
| F27 | 22 May 2017 | Wind Speed (kts) | 7 |
| F27 | 22 May 2017 | Wind Dir | NE |
| F27 | 22 May 2017 | Water Color | Green |
| F27 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F27 | 22 May 2017 | Wave Period (sec) | 13 |
| F27 | 22 May 2017 | Sea State | Light chop |
| F27 | 22 May 2017 | High Tide (ft) | 4.1 |
| F27 | 22 May 2017 | High Tide Time | 712 |
| F27 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F27 | 22 May 2017 | Low Tide Time | 1311 |
| F27 | 22 May 2017 | Comments | |
| | | | |
| F28 | 22 May 2017 | Depth (m) | 101 |
| F28 | 22 May 2017 | Arrive Time | 1111 |
| F28 | 22 May 2017 | Depart Time | 1117 |
| F28 | 22 May 2017 | Air Temp (C) | 15 |
| F28 | 22 May 2017 | Weather | Partly Cloudy |
| F28 | 22 May 2017 | Visibility (mi) | 8 |
| F28 | 22 May 2017 | Wind Speed (kts) | 9 |
| F28 | 22 May 2017 | Wind Dir | S |
| F28 | 22 May 2017 | Water Color | Green |
| F28 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F28 | 22 May 2017 | Wave Period (sec) | 13 |
| F28 | 22 May 2017 | Sea State | Calm |
| F28 | 22 May 2017 | High Tide (ft) | 4.1 |
| F28 | 22 May 2017 | High Tide Time | 712 |
| F28 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F28 | 22 May 2017 | Low Tide Time | 1311 |
| F28 | 22 May 2017 | Comments | |
| | | | |
| F29 | 22 May 2017 | Depth (m) | 99 |
| F29 | 22 May 2017 | Arrive Time | 1055 |
| F29 | 22 May 2017 | Depart Time | 1103 |
| F29 | 22 May 2017 | Air Temp (C) | 16 |
| F29 | 22 May 2017 | Weather | Partly Cloudy |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F29 | 22 May 2017 | Visibility (mi) | 8 |
| F29 | 22 May 2017 | Wind Speed (kts) | 7 |
| F29 | 22 May 2017 | Wind Dir | E |
| F29 | 22 May 2017 | Water Color | Green |
| F29 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F29 | 22 May 2017 | Wave Period (sec) | 13 |
| F29 | 22 May 2017 | Sea State | Calm |
| F29 | 22 May 2017 | High Tide (ft) | 4.1 |
| F29 | 22 May 2017 | High Tide Time | 712 |
| F29 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F29 | 22 May 2017 | Low Tide Time | 1311 |
| F29 | 22 May 2017 | Comments | |
| | | | |
| F30 | 22 May 2017 | Depth (m) | 99 |
| F30 | 22 May 2017 | Arrive Time | 1040 |
| F30 | 22 May 2017 | Depart Time | 1049 |
| F30 | 22 May 2017 | Air Temp (C) | 15 |
| F30 | 22 May 2017 | Weather | Partly Cloudy |
| F30 | 22 May 2017 | Visibility (mi) | 8 |
| F30 | 22 May 2017 | Wind Speed (kts) | 6 |
| F30 | 22 May 2017 | Wind Dir | NE |
| F30 | 22 May 2017 | Water Color | Green |
| F30 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F30 | 22 May 2017 | Wave Period (sec) | 13 |
| F30 | 22 May 2017 | Sea State | Calm |
| F30 | 22 May 2017 | High Tide (ft) | 4.1 |
| F30 | 22 May 2017 | High Tide Time | 712 |
| F30 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F30 | 22 May 2017 | Low Tide Time | 1311 |
| F30 | 22 May 2017 | Comments | |
| | | | |
| F31 | 22 May 2017 | Depth (m) | 97 |
| F31 | 22 May 2017 | Arrive Time | 1025 |
| F31 | 22 May 2017 | Depart Time | 1030 |
| F31 | 22 May 2017 | Air Temp (C) | 16 |
| F31 | 22 May 2017 | Weather | Overcast |
| F31 | 22 May 2017 | Visibility (mi) | 6 |
| F31 | 22 May 2017 | Wind Speed (kts) | 8 |
| F31 | 22 May 2017 | Wind Dir | NW |
| F31 | 22 May 2017 | Water Color | Green |
| F31 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F31 | 22 May 2017 | Wave Period (sec) | 13 |
| F31 | 22 May 2017 | Sea State | Calm |
| F31 | 22 May 2017 | High Tide (ft) | 4.1 |
| F31 | 22 May 2017 | High Tide Time | 712 |
| F31 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F31 | 22 May 2017 | Low Tide Time | 1311 |
| F31 | 22 May 2017 | Comments | |
| | | | |
| F32 | 22 May 2017 | Depth (m) | 100 |
| F32 | 22 May 2017 | Arrive Time | 1009 |
| F32 | 22 May 2017 | Depart Time | 1014 |
| F32 | 22 May 2017 | Air Temp (C) | 16 |
| F32 | 22 May 2017 | Weather | Overcast |
| F32 | 22 May 2017 | Visibility (mi) | 6 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F32 | 22 May 2017 | Wind Speed (kts) | 7 |
| F32 | 22 May 2017 | Wind Dir | SW |
| F32 | 22 May 2017 | Water Color | Green |
| F32 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F32 | 22 May 2017 | Wave Period (sec) | 13 |
| F32 | 22 May 2017 | Sea State | Calm |
| F32 | 22 May 2017 | High Tide (ft) | 4.1 |
| F32 | 22 May 2017 | High Tide Time | 712 |
| F32 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F32 | 22 May 2017 | Low Tide Time | 1311 |
| F32 | 22 May 2017 | Comments | |
| | | | |
| F33 | 22 May 2017 | Depth (m) | 100 |
| F33 | 22 May 2017 | Arrive Time | 953 |
| F33 | 22 May 2017 | Depart Time | 1001 |
| F33 | 22 May 2017 | Air Temp (C) | 16 |
| F33 | 22 May 2017 | Weather | Overcast |
| F33 | 22 May 2017 | Visibility (mi) | 6 |
| F33 | 22 May 2017 | Wind Speed (kts) | 7 |
| F33 | 22 May 2017 | Wind Dir | SE |
| F33 | 22 May 2017 | Water Color | Green |
| F33 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F33 | 22 May 2017 | Wave Period (sec) | 13 |
| F33 | 22 May 2017 | Sea State | Calm |
| F33 | 22 May 2017 | High Tide (ft) | 4.1 |
| F33 | 22 May 2017 | High Tide Time | 712 |
| F33 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F33 | 22 May 2017 | Low Tide Time | 1311 |
| F33 | 22 May 2017 | Comments | |
| | | | |
| F34 | 22 May 2017 | Depth (m) | 101 |
| F34 | 22 May 2017 | Arrive Time | 932 |
| F34 | 22 May 2017 | Depart Time | 946 |
| F34 | 22 May 2017 | Air Temp (C) | 15 |
| F34 | 22 May 2017 | Weather | Overcast |
| F34 | 22 May 2017 | Visibility (mi) | 4 |
| F34 | 22 May 2017 | Wind Speed (kts) | 1 |
| F34 | 22 May 2017 | Wind Dir | N |
| F34 | 22 May 2017 | Water Color | Green |
| F34 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F34 | 22 May 2017 | Wave Period (sec) | 13 |
| F34 | 22 May 2017 | Sea State | Calm |
| F34 | 22 May 2017 | High Tide (ft) | 4.1 |
| F34 | 22 May 2017 | High Tide Time | 712 |
| F34 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F34 | 22 May 2017 | Low Tide Time | 1311 |
| F34 | 22 May 2017 | Comments | |
| | | | |
| F35 | 22 May 2017 | Depth (m) | 100 |
| F35 | 22 May 2017 | Arrive Time | 916 |
| F35 | 22 May 2017 | Depart Time | 922 |
| F35 | 22 May 2017 | Air Temp (C) | 15 |
| F35 | 22 May 2017 | Weather | Fog |
| F35 | 22 May 2017 | Visibility (mi) | 4 |
| F35 | 22 May 2017 | Wind Speed (kts) | 2 |

| Station | Date | Parameter | Value |
|---|---|---|---|
| F35 | 22 May 2017 | Wind Dir | S |
| F35 | 22 May 2017 | Water Color | Green |
| F35 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F35 | 22 May 2017 | Wave Period (sec) | 13 |
| F35 | 22 May 2017 | Sea State | Calm |
| F35 | 22 May 2017 | High Tide (ft) | 4.1 |
| F35 | 22 May 2017 | High Tide Time | 712 |
| F35 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F35 | 22 May 2017 | Low Tide Time | 1311 |
| F35 | 22 May 2017 | Comments | |
| | | | |
| F36 | 22 May 2017 | Depth (m) | 101 |
| F36 | 22 May 2017 | Arrive Time | 858 |
| F36 | 22 May 2017 | Depart Time | 905 |
| F36 | 22 May 2017 | Air Temp (C) | 15 |
| F36 | 22 May 2017 | Weather | Fog |
| F36 | 22 May 2017 | Visibility (mi) | 4 |
| F36 | 22 May 2017 | Wind Speed (kts) | 1 |
| F36 | 22 May 2017 | Wind Dir | SE |
| F36 | 22 May 2017 | Water Color | Blue |
| F36 | 22 May 2017 | Wave Ht Low (ft) | 3 |
| F36 | 22 May 2017 | Wave Period (sec) | 13 |
| F36 | 22 May 2017 | Sea State | Calm |
| F36 | 22 May 2017 | High Tide (ft) | 4.1 |
| F36 | 22 May 2017 | High Tide Time | 712 |
| F36 | 22 May 2017 | Low Tide (ft) | 0.5 |
| F36 | 22 May 2017 | Low Tide Time | 1311 |
| F36 | 22 May 2017 | Comments | |

**Table 4.4**

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

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F01 | 24 May 2017 | 1 | 13.66 | 71.38 | 6.2 | 33.55 | 8.0 | 25.1 | 1.68 |
| F01 | 24 May 2017 | 2 | 13.49 | 72.40 | 6.3 | 33.57 | 8.0 | 25.2 | 1.70 |
| F01 | 24 May 2017 | 3 | 13.40 | 72.87 | 6.2 | 33.56 | 8.0 | 25.2 | 1.86 |
| F01 | 24 May 2017 | 4 | 12.68 | 72.92 | 6.0 | 33.67 | 8.0 | 25.4 | 2.04 |
| F01 | 24 May 2017 | 5 | 12.05 | 74.22 | 5.5 | 33.61 | 7.9 | 25.5 | 2.44 |
| F01 | 24 May 2017 | 6 | 12.02 | 77.06 | 5.1 | 33.58 | 7.9 | 25.5 | 2.55 |
| F01 | 24 May 2017 | 7 | 12.00 | 78.31 | 4.9 | 33.57 | 7.9 | 25.5 | 2.71 |
| F01 | 24 May 2017 | 8 | 12.00 | 78.81 | 4.9 | 33.57 | 7.9 | 25.5 | 2.84 |
| F01 | 24 May 2017 | 9 | 12.00 | 78.96 | 4.9 | 33.58 | 7.9 | 25.5 | 3.44 |
| F01 | 24 May 2017 | 10 | 11.76 | 79.47 | 4.7 | 33.62 | 7.9 | 25.6 | 3.48 |
| F01 | 24 May 2017 | 11 | 11.42 | 80.61 | 4.5 | 33.63 | 7.9 | 25.6 | 3.83 |
| F01 | 24 May 2017 | 12 | 11.28 | 83.12 | 4.2 | 33.62 | 7.8 | 25.7 | 4.07 |
| F01 | 24 May 2017 | 13 | 11.11 | 84.34 | 4.1 | 33.63 | 7.8 | 25.7 | 4.06 |
| F01 | 24 May 2017 | 14 | 11.02 | 84.66 | 3.9 | 33.62 | 7.8 | 25.7 | 3.55 |
| F01 | 24 May 2017 | 15 | 11.00 | 84.75 | 3.8 | 33.62 | 7.8 | 25.7 | 2.76 |
| F01 | 24 May 2017 | 16 | 10.96 | 85.04 | 3.8 | 33.62 | 7.8 | 25.7 | 2.50 |
| F01 | 24 May 2017 | 17 | 10.96 | 85.60 | 3.8 | 33.62 | 7.8 | 25.7 | 2.22 |
| F01 | 24 May 2017 | 18 | 10.92 | 85.26 | 3.7 | 33.62 | 7.8 | 25.7 | 2.06 |
| F01 | 24 May 2017 | 19 | 10.91 | 85.06 | 3.7 | 33.62 | 7.8 | 25.7 | 1.96 |
| | | | | | | | | | |
| F02 | 24 May 2017 | 1 | 16.06 | 71.84 | 8.3 | 33.51 | 8.2 | 24.6 | 3.25 |
| F02 | 24 May 2017 | 2 | 16.06 | 69.72 | 8.2 | 33.51 | 8.2 | 24.6 | 3.28 |
| F02 | 24 May 2017 | 3 | 15.74 | 67.61 | 8.1 | 33.64 | 8.2 | 24.8 | 3.34 |
| F02 | 24 May 2017 | 4 | 14.29 | 74.28 | 8.4 | 33.63 | 8.2 | 25.1 | 3.73 |
| F02 | 24 May 2017 | 5 | 13.81 | 73.19 | 8.6 | 33.53 | 8.2 | 25.1 | 5.12 |
| F02 | 24 May 2017 | 6 | 12.97 | 72.68 | 8.3 | 33.58 | 8.2 | 25.3 | 6.88 |
| F02 | 24 May 2017 | 7 | 12.52 | 74.60 | 7.9 | 33.49 | 8.1 | 25.3 | 6.99 |
| F02 | 24 May 2017 | 8 | 12.55 | 77.14 | 7.5 | 33.43 | 8.1 | 25.3 | 7.71 |
| F02 | 24 May 2017 | 9 | 12.06 | 77.27 | 7.3 | 33.57 | 8.1 | 25.5 | 7.95 |
| F02 | 24 May 2017 | 10 | 11.74 | 75.16 | 6.9 | 33.47 | 8.0 | 25.4 | 9.51 |
| F02 | 24 May 2017 | 11 | 11.73 | 67.45 | 6.5 | 33.47 | 8.0 | 25.4 | 20.65 |
| F02 | 24 May 2017 | 12 | 11.64 | 64.05 | 6.3 | 33.49 | 8.0 | 25.5 | 23.67 |
| F02 | 24 May 2017 | 13 | 11.58 | 65.23 | 5.9 | 33.51 | 8.0 | 25.5 | 24.52 |
| F02 | 24 May 2017 | 14 | 11.54 | 69.29 | 5.6 | 33.54 | 7.9 | 25.5 | 20.44 |
| F02 | 24 May 2017 | 15 | 11.54 | 71.31 | 5.4 | 33.53 | 7.9 | 25.5 | 15.54 |
| F02 | 24 May 2017 | 16 | 11.53 | 73.71 | 5.4 | 33.54 | 7.9 | 25.5 | 12.35 |
| F02 | 24 May 2017 | 17 | 11.49 | 75.53 | 5.2 | 33.56 | 7.9 | 25.6 | 12.73 |
| F02 | 24 May 2017 | 18 | 11.48 | 75.82 | 5.1 | 33.56 | 7.9 | 25.6 | 9.68 |
| F02 | 24 May 2017 | 19 | 11.03 | 76.79 | 4.7 | 33.68 | 7.9 | 25.7 | 9.71 |
| F02 | 24 May 2017 | 20 | 10.80 | 79.18 | 4.2 | 33.66 | 7.8 | 25.8 | 8.21 |
| | | | | | | | | | |
| F03 | 24 May 2017 | 1 | 16.28 | 75.79 | 8.7 | 33.49 | 8.2 | 24.5 | 3.56 |
| F03 | 24 May 2017 | 2 | 16.23 | 75.56 | 8.6 | 33.50 | 8.2 | 24.5 | 3.69 |
| F03 | 24 May 2017 | 3 | 15.64 | 75.29 | 8.6 | 33.64 | 8.2 | 24.8 | 3.99 |
| F03 | 24 May 2017 | 4 | 13.83 | 75.22 | 8.7 | 33.68 | 8.2 | 25.2 | 4.30 |
| F03 | 24 May 2017 | 5 | 13.26 | 72.69 | 8.4 | 33.54 | 8.2 | 25.2 | 5.01 |
| F03 | 24 May 2017 | 6 | 12.87 | 72.33 | 8.1 | 33.53 | 8.1 | 25.3 | 6.43 |
| F03 | 24 May 2017 | 7 | 12.74 | 74.37 | 7.8 | 33.47 | 8.1 | 25.3 | 6.83 |
| F03 | 24 May 2017 | 8 | 12.63 | 75.23 | 7.7 | 33.47 | 8.1 | 25.3 | 7.82 |
| F03 | 24 May 2017 | 9 | 12.46 | 75.50 | 7.6 | 33.48 | 8.1 | 25.3 | 8.48 |
| F03 | 24 May 2017 | 10 | 12.33 | 74.84 | 7.4 | 33.48 | 8.1 | 25.3 | 8.93 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F03 | 24 May 2017 | 11 | 12.19 | 74.64 | 7.1 | 33.50 | 8.1 | 25.4 | 8.75 |
| F03 | 24 May 2017 | 12 | 12.01 | 74.18 | 6.6 | 33.53 | 8.0 | 25.4 | 10.01 |
| F03 | 24 May 2017 | 13 | 12.02 | 75.13 | 6.2 | 33.53 | 8.0 | 25.4 | 10.23 |
| F03 | 24 May 2017 | 14 | 11.72 | 76.66 | 5.8 | 33.60 | 8.0 | 25.6 | 8.96 |
| F03 | 24 May 2017 | 15 | 11.24 | 77.86 | 5.1 | 33.65 | 7.9 | 25.7 | 8.41 |
| F03 | 24 May 2017 | 16 | 11.14 | 81.49 | 4.4 | 33.62 | 7.8 | 25.7 | 6.20 |
| F03 | 24 May 2017 | 17 | 11.06 | 83.59 | 4.2 | 33.63 | 7.8 | 25.7 | 5.34 |
| F03 | 24 May 2017 | 18 | 10.91 | 84.12 | 3.9 | 33.64 | 7.8 | 25.7 | 4.67 |
| F03 | 24 May 2017 | 19 | 10.84 | 83.52 | 3.6 | 33.65 | 7.8 | 25.7 | 4.04 |
| | | | | | | | | | |
| F04 | 24 May 2017 | 1 | 15.74 | 74.15 | 8.6 | 33.49 | 8.2 | 24.6 | 1.69 |
| F04 | 24 May 2017 | 2 | 15.30 | 72.15 | 8.5 | 33.56 | 8.2 | 24.8 | 1.74 |
| F04 | 24 May 2017 | 3 | 14.47 | 73.06 | 8.2 | 33.56 | 8.2 | 25.0 | 1.99 |
| F04 | 24 May 2017 | 4 | 14.24 | 73.51 | 7.7 | 33.53 | 8.2 | 25.0 | 2.97 |
| F04 | 24 May 2017 | 5 | 13.91 | 74.19 | 7.3 | 33.56 | 8.1 | 25.1 | 3.53 |
| F04 | 24 May 2017 | 6 | 13.88 | 75.23 | 7.0 | 33.53 | 8.1 | 25.1 | 3.87 |
| F04 | 24 May 2017 | 7 | 13.36 | 76.62 | 6.8 | 33.57 | 8.1 | 25.2 | 4.23 |
| F04 | 24 May 2017 | 8 | 13.25 | 78.64 | 6.6 | 33.54 | 8.1 | 25.2 | 4.39 |
| F04 | 24 May 2017 | 9 | 13.04 | 79.46 | 6.4 | 33.55 | 8.1 | 25.3 | 4.58 |
| F04 | 24 May 2017 | 10 | 12.74 | 80.08 | 6.2 | 33.60 | 8.0 | 25.4 | 4.59 |
| F04 | 24 May 2017 | 11 | 11.92 | 81.24 | 5.8 | 33.65 | 8.0 | 25.6 | 4.43 |
| F04 | 24 May 2017 | 12 | 11.78 | 83.60 | 5.4 | 33.58 | 7.9 | 25.5 | 4.56 |
| F04 | 24 May 2017 | 13 | 11.10 | 84.94 | 5.0 | 33.68 | 7.9 | 25.7 | 3.99 |
| F04 | 24 May 2017 | 14 | 10.92 | 87.07 | 4.4 | 33.60 | 7.8 | 25.7 | 3.25 |
| F04 | 24 May 2017 | 15 | 10.91 | 87.65 | 4.2 | 33.64 | 7.8 | 25.7 | 2.57 |
| F04 | 24 May 2017 | 16 | 10.77 | 87.59 | 4.1 | 33.62 | 7.8 | 25.7 | 2.31 |
| F04 | 24 May 2017 | 17 | 10.75 | 87.78 | 4.0 | 33.62 | 7.8 | 25.7 | 2.35 |
| F04 | 24 May 2017 | 18 | 10.72 | 88.15 | 4.0 | 33.62 | 7.8 | 25.8 | 1.92 |
| F04 | 24 May 2017 | 19 | 10.69 | 88.71 | 4.0 | 33.63 | 7.8 | 25.8 | 1.87 |
| F04 | 24 May 2017 | 20 | 10.61 | 89.40 | 3.9 | 33.64 | 7.8 | 25.8 | 1.77 |
| F04 | 24 May 2017 | 21 | 10.59 | 89.55 | 3.9 | 33.63 | 7.8 | 25.8 | 1.70 |
| F04 | 24 May 2017 | 22 | 10.59 | 89.65 | 3.8 | 33.63 | 7.8 | 25.8 | 1.58 |
| F04 | 24 May 2017 | 23 | 10.56 | 89.70 | 3.8 | 33.64 | 7.8 | 25.8 | 1.57 |
| F04 | 24 May 2017 | 24 | 10.51 | 89.94 | 3.7 | 33.65 | 7.8 | 25.8 | 1.43 |
| F04 | 24 May 2017 | 25 | 10.50 | 90.22 | 3.7 | 33.65 | 7.8 | 25.8 | 1.33 |
| F04 | 24 May 2017 | 26 | 10.47 | 90.39 | 3.7 | 33.66 | 7.8 | 25.8 | 1.30 |
| F04 | 24 May 2017 | 27 | 10.46 | 90.61 | 3.7 | 33.66 | 7.8 | 25.8 | 1.13 |
| F04 | 24 May 2017 | 28 | 10.46 | 90.77 | 3.7 | 33.66 | 7.8 | 25.8 | 1.05 |
| F04 | 24 May 2017 | 29 | 10.39 | 90.93 | 3.7 | 33.69 | 7.8 | 25.9 | 0.95 |
| F04 | 24 May 2017 | 30 | 10.31 | 91.10 | 3.6 | 33.70 | 7.8 | 25.9 | 0.85 |
| F04 | 24 May 2017 | 31 | 10.24 | 91.09 | 3.6 | 33.72 | 7.8 | 25.9 | 0.74 |
| F04 | 24 May 2017 | 32 | 10.23 | 91.27 | 3.6 | 33.72 | 7.8 | 25.9 | 0.53 |
| F04 | 24 May 2017 | 33 | 10.20 | 91.43 | 3.6 | 33.72 | 7.8 | 25.9 | 0.43 |
| F04 | 24 May 2017 | 34 | 10.20 | 91.43 | 3.6 | 33.72 | 7.8 | 25.9 | 0.34 |
| F04 | 24 May 2017 | 35 | 10.19 | 91.45 | 3.6 | 33.72 | 7.8 | 25.9 | 0.30 |
| F04 | 24 May 2017 | 36 | 10.19 | 91.49 | 3.6 | 33.72 | 7.8 | 25.9 | 0.28 |
| F04 | 24 May 2017 | 37 | 10.19 | 91.53 | 3.6 | 33.72 | 7.8 | 25.9 | 0.26 |
| F04 | 24 May 2017 | 38 | 10.18 | 91.42 | 3.6 | 33.72 | 7.8 | 25.9 | 0.25 |
| F04 | 24 May 2017 | 39 | 10.17 | 91.36 | 3.5 | 33.72 | 7.8 | 25.9 | 0.25 |
| F04 | 24 May 2017 | 40 | 10.16 | 90.99 | 3.5 | 33.73 | 7.8 | 25.9 | 0.23 |
| F04 | 24 May 2017 | 41 | 10.16 | 90.95 | 3.4 | 33.73 | 7.8 | 25.9 | 0.22 |
| F04 | 24 May 2017 | 42 | 10.16 | 90.91 | 3.4 | 33.73 | 7.8 | 25.9 | 0.20 |
| F04 | 24 May 2017 | 43 | 10.16 | 90.77 | 3.4 | 33.73 | 7.8 | 25.9 | 0.20 |
| F04 | 24 May 2017 | 44 | 10.16 | 90.67 | 3.4 | 33.73 | 7.8 | 25.9 | 0.19 |
| F04 | 24 May 2017 | 45 | 10.16 | 90.50 | 3.4 | 33.73 | 7.8 | 25.9 | 0.19 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F04 | 24 May 2017 | 46 | 10.16 | 90.50 | 3.4 | 33.73 | 7.8 | 25.9 | 0.19 |
| F04 | 24 May 2017 | 47 | 10.16 | 90.37 | 3.4 | 33.73 | 7.8 | 25.9 | 0.21 |
| F04 | 24 May 2017 | 48 | 10.15 | 90.58 | 3.4 | 33.73 | 7.8 | 25.9 | 0.18 |
| F04 | 24 May 2017 | 49 | 10.15 | 90.60 | 3.4 | 33.73 | 7.8 | 25.9 | 0.18 |
| F04 | 24 May 2017 | 50 | 10.11 | 90.52 | 3.4 | 33.75 | 7.8 | 26.0 | 0.19 |
| F04 | 24 May 2017 | 51 | 10.08 | 90.50 | 3.4 | 33.76 | 7.8 | 26.0 | 0.18 |
| F04 | 24 May 2017 | 52 | 10.05 | 90.51 | 3.4 | 33.76 | 7.8 | 26.0 | 0.18 |
| F04 | 24 May 2017 | 53 | 10.03 | 90.72 | 3.4 | 33.77 | 7.8 | 26.0 | 0.18 |
| F04 | 24 May 2017 | 54 | 10.02 | 90.85 | 3.4 | 33.77 | 7.8 | 26.0 | 0.15 |
| F04 | 24 May 2017 | 55 | 10.02 | 90.87 | 3.4 | 33.77 | 7.8 | 26.0 | 0.14 |
| F04 | 24 May 2017 | 56 | 10.01 | 90.75 | 3.4 | 33.77 | 7.8 | 26.0 | 0.13 |
| F04 | 24 May 2017 | 57 | 10.00 | 90.74 | 3.4 | 33.78 | 7.8 | 26.0 | 0.13 |
| F04 | 24 May 2017 | 58 | 9.98 | 90.60 | 3.4 | 33.79 | 7.8 | 26.0 | 0.12 |
| F04 | 24 May 2017 | 59 | 9.91 | 90.45 | 3.3 | 33.81 | 7.8 | 26.0 | 0.13 |
| F04 | 24 May 2017 | 60 | 9.89 | 89.85 | 3.3 | 33.82 | 7.8 | 26.0 | 0.12 |
| F04 | 24 May 2017 | 61 | 9.89 | 89.41 | 3.3 | 33.81 | 7.8 | 26.0 | 0.12 |
| | | | | | | | | | |
| F05 | 24 May 2017 | 1 | 15.12 | 74.89 | 7.9 | 33.51 | 8.2 | 24.8 | 2.16 |
| F05 | 24 May 2017 | 2 | 15.09 | 74.47 | 7.8 | 33.52 | 8.2 | 24.8 | 2.20 |
| F05 | 24 May 2017 | 3 | 14.71 | 74.48 | 7.7 | 33.56 | 8.2 | 24.9 | 2.27 |
| F05 | 24 May 2017 | 4 | 14.49 | 74.38 | 7.5 | 33.55 | 8.2 | 25.0 | 2.82 |
| F05 | 24 May 2017 | 5 | 14.09 | 74.38 | 7.4 | 33.58 | 8.1 | 25.1 | 3.22 |
| F05 | 24 May 2017 | 6 | 14.01 | 74.89 | 7.2 | 33.54 | 8.1 | 25.1 | 3.93 |
| F05 | 24 May 2017 | 7 | 13.83 | 75.28 | 7.1 | 33.57 | 8.1 | 25.1 | 4.66 |
| F05 | 24 May 2017 | 8 | 13.54 | 75.84 | 7.0 | 33.58 | 8.1 | 25.2 | 5.04 |
| F05 | 24 May 2017 | 9 | 13.49 | 77.34 | 6.8 | 33.55 | 8.1 | 25.2 | 5.47 |
| F05 | 24 May 2017 | 10 | 13.40 | 77.60 | 6.6 | 33.55 | 8.1 | 25.2 | 5.83 |
| F05 | 24 May 2017 | 11 | 13.02 | 77.75 | 6.5 | 33.61 | 8.1 | 25.3 | 5.60 |
| F05 | 24 May 2017 | 12 | 12.54 | 79.14 | 6.2 | 33.60 | 8.0 | 25.4 | 6.06 |
| F05 | 24 May 2017 | 13 | 12.25 | 81.35 | 5.8 | 33.61 | 8.0 | 25.5 | 5.93 |
| F05 | 24 May 2017 | 14 | 11.78 | 82.50 | 5.4 | 33.62 | 8.0 | 25.6 | 4.94 |
| F05 | 24 May 2017 | 15 | 11.26 | 83.49 | 5.0 | 33.67 | 7.9 | 25.7 | 4.59 |
| F05 | 24 May 2017 | 16 | 10.76 | 86.09 | 4.5 | 33.67 | 7.8 | 25.8 | 3.73 |
| F05 | 24 May 2017 | 17 | 10.68 | 88.61 | 4.0 | 33.64 | 7.8 | 25.8 | 2.89 |
| F05 | 24 May 2017 | 18 | 10.63 | 88.97 | 3.8 | 33.63 | 7.8 | 25.8 | 2.06 |
| F05 | 24 May 2017 | 19 | 10.61 | 89.07 | 3.8 | 33.63 | 7.8 | 25.8 | 1.67 |
| F05 | 24 May 2017 | 20 | 10.61 | 89.05 | 3.8 | 33.63 | 7.8 | 25.8 | 1.42 |
| F05 | 24 May 2017 | 21 | 10.59 | 88.95 | 3.7 | 33.63 | 7.8 | 25.8 | 1.58 |
| F05 | 24 May 2017 | 22 | 10.59 | 89.08 | 3.7 | 33.64 | 7.8 | 25.8 | 1.32 |
| F05 | 24 May 2017 | 23 | 10.59 | 89.00 | 3.7 | 33.64 | 7.8 | 25.8 | 1.22 |
| F05 | 24 May 2017 | 24 | 10.58 | 88.96 | 3.6 | 33.64 | 7.8 | 25.8 | 1.21 |
| F05 | 24 May 2017 | 25 | 10.58 | 88.91 | 3.6 | 33.64 | 7.8 | 25.8 | 1.21 |
| F05 | 24 May 2017 | 26 | 10.59 | 88.97 | 3.6 | 33.64 | 7.8 | 25.8 | 1.19 |
| F05 | 24 May 2017 | 27 | 10.58 | 88.94 | 3.6 | 33.64 | 7.8 | 25.8 | 1.22 |
| F05 | 24 May 2017 | 28 | 10.58 | 88.97 | 3.6 | 33.64 | 7.8 | 25.8 | 1.28 |
| F05 | 24 May 2017 | 29 | 10.58 | 88.97 | 3.6 | 33.64 | 7.8 | 25.8 | 1.19 |
| F05 | 24 May 2017 | 30 | 10.56 | 88.91 | 3.6 | 33.65 | 7.8 | 25.8 | 1.20 |
| F05 | 24 May 2017 | 31 | 10.54 | 89.11 | 3.6 | 33.65 | 7.8 | 25.8 | 1.19 |
| F05 | 24 May 2017 | 32 | 10.53 | 89.50 | 3.6 | 33.65 | 7.8 | 25.8 | 1.12 |
| F05 | 24 May 2017 | 33 | 10.51 | 89.71 | 3.6 | 33.65 | 7.8 | 25.8 | 1.06 |
| F05 | 24 May 2017 | 34 | 10.48 | 89.76 | 3.6 | 33.66 | 7.8 | 25.8 | 1.02 |
| F05 | 24 May 2017 | 35 | 10.46 | 89.97 | 3.5 | 33.66 | 7.8 | 25.8 | 0.94 |
| F05 | 24 May 2017 | 36 | 10.41 | 90.01 | 3.5 | 33.67 | 7.8 | 25.8 | 0.85 |
| F05 | 24 May 2017 | 37 | 10.35 | 89.98 | 3.5 | 33.68 | 7.8 | 25.9 | 0.79 |
| F05 | 24 May 2017 | 38 | 10.32 | 90.16 | 3.4 | 33.68 | 7.8 | 25.9 | 0.67 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F05 | 24 May 2017 | 39 | 10.32 | 90.53 | 3.5 | 33.68 | 7.8 | 25.9 | 0.55 |
| F05 | 24 May 2017 | 40 | 10.28 | 90.42 | 3.5 | 33.69 | 7.8 | 25.9 | 0.47 |
| F05 | 24 May 2017 | 41 | 10.27 | 89.60 | 3.4 | 33.70 | 7.8 | 25.9 | 0.41 |
| F05 | 24 May 2017 | 42 | 10.26 | 89.07 | 3.3 | 33.70 | 7.8 | 25.9 | 0.37 |
| F05 | 24 May 2017 | 43 | 10.23 | 89.23 | 3.3 | 33.71 | 7.8 | 25.9 | 0.35 |
| F05 | 24 May 2017 | 44 | 10.21 | 89.60 | 3.3 | 33.72 | 7.8 | 25.9 | 0.31 |
| F05 | 24 May 2017 | 45 | 10.19 | 89.94 | 3.4 | 33.72 | 7.8 | 25.9 | 0.28 |
| F05 | 24 May 2017 | 46 | 10.17 | 90.05 | 3.4 | 33.73 | 7.8 | 25.9 | 0.26 |
| F05 | 24 May 2017 | 47 | 10.17 | 90.06 | 3.3 | 33.73 | 7.8 | 25.9 | 0.25 |
| F05 | 24 May 2017 | 48 | 10.17 | 90.04 | 3.3 | 33.73 | 7.8 | 25.9 | 0.23 |
| F05 | 24 May 2017 | 49 | 10.15 | 90.04 | 3.3 | 33.73 | 7.8 | 25.9 | 0.21 |
| F05 | 24 May 2017 | 50 | 10.14 | 90.01 | 3.3 | 33.73 | 7.8 | 25.9 | 0.20 |
| F05 | 24 May 2017 | 51 | 10.13 | 89.34 | 3.3 | 33.74 | 7.8 | 25.9 | 0.19 |
| F05 | 24 May 2017 | 52 | 10.11 | 88.86 | 3.3 | 33.75 | 7.8 | 26.0 | 0.19 |
| F05 | 24 May 2017 | 53 | 10.06 | 88.85 | 3.3 | 33.77 | 7.8 | 26.0 | 0.18 |
| F05 | 24 May 2017 | 54 | 10.01 | 89.47 | 3.3 | 33.79 | 7.8 | 26.0 | 0.16 |
| F05 | 24 May 2017 | 55 | 10.00 | 89.73 | 3.3 | 33.79 | 7.8 | 26.0 | 0.14 |
| F05 | 24 May 2017 | 56 | 9.97 | 89.90 | 3.3 | 33.80 | 7.8 | 26.0 | 0.12 |
| F05 | 24 May 2017 | 57 | 9.94 | 90.27 | 3.3 | 33.81 | 7.8 | 26.0 | 0.13 |
| F05 | 24 May 2017 | 58 | 9.92 | 89.81 | 3.3 | 33.82 | 7.8 | 26.0 | 0.11 |
| F05 | 24 May 2017 | 59 | 9.93 | 88.73 | 3.2 | 33.83 | 7.8 | 26.0 | 0.11 |
| F05 | 24 May 2017 | 60 | 9.93 | 87.92 | 3.2 | 33.83 | 7.8 | 26.1 | 0.11 |
| F05 | 24 May 2017 | 61 | 9.93 | 87.35 | 3.2 | 33.83 | 7.8 | 26.1 | 0.10 |
| | | | | | | | | | |
| F06 | 24 May 2017 | 1 | 15.96 | 74.13 | 8.4 | 33.48 | 8.2 | 24.6 | 2.20 |
| F06 | 24 May 2017 | 2 | 15.70 | 74.25 | 8.3 | 33.55 | 8.2 | 24.7 | 2.30 |
| F06 | 24 May 2017 | 3 | 14.79 | 73.36 | 8.1 | 33.58 | 8.2 | 24.9 | 2.53 |
| F06 | 24 May 2017 | 4 | 14.53 | 72.00 | 8.0 | 33.52 | 8.2 | 24.9 | 3.52 |
| F06 | 24 May 2017 | 5 | 14.45 | 71.08 | 7.7 | 33.54 | 8.2 | 25.0 | 4.48 |
| F06 | 24 May 2017 | 6 | 14.36 | 72.90 | 7.5 | 33.54 | 8.1 | 25.0 | 5.24 |
| F06 | 24 May 2017 | 7 | 14.21 | 73.79 | 7.4 | 33.56 | 8.1 | 25.0 | 5.89 |
| F06 | 24 May 2017 | 8 | 14.00 | 74.20 | 7.3 | 33.56 | 8.1 | 25.1 | 6.53 |
| F06 | 24 May 2017 | 9 | 13.94 | 74.71 | 7.2 | 33.55 | 8.1 | 25.1 | 6.60 |
| F06 | 24 May 2017 | 10 | 13.86 | 74.88 | 7.1 | 33.55 | 8.1 | 25.1 | 6.62 |
| F06 | 24 May 2017 | 11 | 13.87 | 75.24 | 7.1 | 33.55 | 8.1 | 25.1 | 6.54 |
| F06 | 24 May 2017 | 12 | 13.61 | 75.25 | 7.0 | 33.58 | 8.1 | 25.2 | 6.35 |
| F06 | 24 May 2017 | 13 | 13.28 | 75.19 | 6.7 | 33.61 | 8.1 | 25.3 | 6.24 |
| F06 | 24 May 2017 | 14 | 12.60 | 76.83 | 6.3 | 33.62 | 8.0 | 25.4 | 6.27 |
| F06 | 24 May 2017 | 15 | 12.29 | 78.97 | 5.8 | 33.63 | 8.0 | 25.5 | 5.59 |
| F06 | 24 May 2017 | 16 | 11.63 | 80.22 | 5.4 | 33.66 | 7.9 | 25.6 | 5.67 |
| F06 | 24 May 2017 | 17 | 11.47 | 82.62 | 4.9 | 33.60 | 7.9 | 25.6 | 4.89 |
| F06 | 24 May 2017 | 18 | 10.94 | 85.29 | 4.5 | 33.67 | 7.9 | 25.8 | 4.31 |
| F06 | 24 May 2017 | 19 | 10.87 | 86.66 | 4.2 | 33.62 | 7.8 | 25.7 | 3.66 |
| F06 | 24 May 2017 | 20 | 10.82 | 87.26 | 4.0 | 33.62 | 7.8 | 25.7 | 2.95 |
| F06 | 24 May 2017 | 21 | 10.77 | 88.03 | 4.0 | 33.62 | 7.8 | 25.7 | 2.53 |
| F06 | 24 May 2017 | 22 | 10.76 | 88.92 | 3.9 | 33.63 | 7.8 | 25.8 | 2.17 |
| F06 | 24 May 2017 | 23 | 10.65 | 89.40 | 3.8 | 33.65 | 7.8 | 25.8 | 1.91 |
| F06 | 24 May 2017 | 24 | 10.56 | 89.89 | 3.7 | 33.67 | 7.8 | 25.8 | 1.83 |
| F06 | 24 May 2017 | 25 | 10.51 | 90.44 | 3.6 | 33.67 | 7.8 | 25.8 | 1.51 |
| F06 | 24 May 2017 | 26 | 10.44 | 90.87 | 3.6 | 33.68 | 7.8 | 25.8 | 1.20 |
| F06 | 24 May 2017 | 27 | 10.44 | 90.95 | 3.6 | 33.68 | 7.8 | 25.8 | 0.98 |
| F06 | 24 May 2017 | 28 | 10.41 | 91.05 | 3.5 | 33.68 | 7.8 | 25.9 | 0.80 |
| F06 | 24 May 2017 | 29 | 10.40 | 91.07 | 3.5 | 33.68 | 7.8 | 25.9 | 0.72 |
| F06 | 24 May 2017 | 30 | 10.40 | 91.07 | 3.5 | 33.68 | 7.8 | 25.9 | 0.62 |
| F06 | 24 May 2017 | 31 | 10.38 | 91.04 | 3.5 | 33.69 | 7.8 | 25.9 | 0.59 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F06 | 24 May 2017 | 32 | 10.35 | 91.14 | 3.5 | 33.69 | 7.8 | 25.9 | 0.59 |
| F06 | 24 May 2017 | 33 | 10.34 | 91.22 | 3.5 | 33.69 | 7.8 | 25.9 | 0.53 |
| F06 | 24 May 2017 | 34 | 10.31 | 91.30 | 3.5 | 33.69 | 7.8 | 25.9 | 0.49 |
| F06 | 24 May 2017 | 35 | 10.30 | 91.29 | 3.5 | 33.69 | 7.8 | 25.9 | 0.43 |
| F06 | 24 May 2017 | 36 | 10.28 | 91.28 | 3.6 | 33.69 | 7.8 | 25.9 | 0.40 |
| F06 | 24 May 2017 | 37 | 10.26 | 91.42 | 3.6 | 33.69 | 7.8 | 25.9 | 0.35 |
| F06 | 24 May 2017 | 38 | 10.22 | 91.40 | 3.5 | 33.70 | 7.8 | 25.9 | 0.35 |
| F06 | 24 May 2017 | 39 | 10.20 | 91.12 | 3.6 | 33.70 | 7.8 | 25.9 | 0.30 |
| F06 | 24 May 2017 | 40 | 10.18 | 90.91 | 3.5 | 33.71 | 7.8 | 25.9 | 0.29 |
| F06 | 24 May 2017 | 41 | 10.16 | 91.13 | 3.5 | 33.71 | 7.8 | 25.9 | 0.26 |
| F06 | 24 May 2017 | 42 | 10.15 | 90.92 | 3.5 | 33.72 | 7.8 | 25.9 | 0.25 |
| F06 | 24 May 2017 | 43 | 10.13 | 90.10 | 3.4 | 33.73 | 7.8 | 25.9 | 0.21 |
| F06 | 24 May 2017 | 44 | 10.13 | 89.34 | 3.4 | 33.73 | 7.8 | 25.9 | 0.21 |
| F06 | 24 May 2017 | 45 | 10.11 | 88.93 | 3.4 | 33.74 | 7.8 | 25.9 | 0.20 |
| F06 | 24 May 2017 | 46 | 10.10 | 88.58 | 3.3 | 33.74 | 7.8 | 25.9 | 0.19 |
| F06 | 24 May 2017 | 47 | 10.10 | 88.27 | 3.3 | 33.74 | 7.8 | 26.0 | 0.18 |
| F06 | 24 May 2017 | 48 | 10.08 | 87.86 | 3.3 | 33.75 | 7.8 | 26.0 | 0.16 |
| F06 | 24 May 2017 | 49 | 10.05 | 86.28 | 3.2 | 33.77 | 7.8 | 26.0 | 0.14 |
| F06 | 24 May 2017 | 50 | 10.03 | 85.71 | 3.2 | 33.78 | 7.8 | 26.0 | 0.14 |
| F06 | 24 May 2017 | 51 | 10.00 | 86.30 | 3.2 | 33.79 | 7.8 | 26.0 | 0.14 |
| F06 | 24 May 2017 | 52 | 9.98 | 87.53 | 3.2 | 33.81 | 7.8 | 26.0 | 0.13 |
| F06 | 24 May 2017 | 53 | 9.97 | 88.17 | 3.2 | 33.81 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 54 | 9.96 | 88.25 | 3.2 | 33.82 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 55 | 9.95 | 86.59 | 3.1 | 33.83 | 7.8 | 26.0 | 0.11 |
| F06 | 24 May 2017 | 56 | 9.95 | 84.72 | 3.1 | 33.83 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 57 | 9.94 | 84.75 | 3.1 | 33.83 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 58 | 9.94 | 83.72 | 3.1 | 33.83 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 59 | 9.94 | 83.04 | 3.1 | 33.83 | 7.8 | 26.0 | 0.12 |
| F06 | 24 May 2017 | 60 | 9.94 | 82.50 | 3.1 | 33.83 | 7.8 | 26.0 | 0.11 |
| F06 | 24 May 2017 | 61 | 9.93 | 82.22 | 3.1 | 33.83 | 7.8 | 26.1 | 0.11 |
| | | | | | | | | | |
| F07 | 24 May 2017 | 1 | 16.51 | 78.15 | 8.8 | 33.48 | 8.3 | 24.5 | 0.91 |
| F07 | 24 May 2017 | 2 | 16.34 | 77.10 | 8.8 | 33.52 | 8.3 | 24.5 | 0.98 |
| F07 | 24 May 2017 | 3 | 15.82 | 77.26 | 8.8 | 33.54 | 8.3 | 24.7 | 1.02 |
| F07 | 24 May 2017 | 4 | 14.69 | 74.86 | 8.9 | 33.57 | 8.2 | 24.9 | 1.82 |
| F07 | 24 May 2017 | 5 | 14.52 | 68.43 | 8.6 | 33.55 | 8.2 | 25.0 | 4.15 |
| F07 | 24 May 2017 | 6 | 13.77 | 67.41 | 8.3 | 33.55 | 8.2 | 25.1 | 5.37 |
| F07 | 24 May 2017 | 7 | 13.43 | 67.90 | 7.9 | 33.55 | 8.2 | 25.2 | 7.39 |
| F07 | 24 May 2017 | 8 | 13.31 | 70.09 | 7.5 | 33.52 | 8.1 | 25.2 | 9.63 |
| F07 | 24 May 2017 | 9 | 13.13 | 71.35 | 7.2 | 33.54 | 8.1 | 25.2 | 9.97 |
| F07 | 24 May 2017 | 10 | 12.83 | 72.20 | 6.8 | 33.58 | 8.1 | 25.3 | 10.71 |
| F07 | 24 May 2017 | 11 | 12.48 | 74.06 | 6.3 | 33.60 | 8.0 | 25.4 | 9.33 |
| F07 | 24 May 2017 | 12 | 12.19 | 78.93 | 5.8 | 33.60 | 8.0 | 25.5 | 7.98 |
| F07 | 24 May 2017 | 13 | 12.05 | 82.13 | 5.4 | 33.60 | 8.0 | 25.5 | 5.99 |
| F07 | 24 May 2017 | 14 | 11.67 | 83.44 | 5.2 | 33.64 | 7.9 | 25.6 | 4.96 |
| F07 | 24 May 2017 | 15 | 11.15 | 84.31 | 4.8 | 33.67 | 7.9 | 25.7 | 4.31 |
| F07 | 24 May 2017 | 16 | 10.84 | 86.01 | 4.3 | 33.66 | 7.8 | 25.8 | 3.45 |
| F07 | 24 May 2017 | 17 | 10.76 | 87.68 | 4.0 | 33.63 | 7.8 | 25.8 | 2.93 |
| F07 | 24 May 2017 | 18 | 10.75 | 87.60 | 3.9 | 33.64 | 7.8 | 25.8 | 2.44 |
| F07 | 24 May 2017 | 19 | 10.68 | 87.66 | 3.8 | 33.65 | 7.8 | 25.8 | 2.18 |
| F07 | 24 May 2017 | 20 | 10.68 | 88.03 | 3.8 | 33.64 | 7.8 | 25.8 | 1.97 |
| F07 | 24 May 2017 | 21 | 10.60 | 88.43 | 3.8 | 33.66 | 7.8 | 25.8 | 1.71 |
| F07 | 24 May 2017 | 22 | 10.56 | 88.65 | 3.7 | 33.66 | 7.8 | 25.8 | 1.60 |
| F07 | 24 May 2017 | 23 | 10.56 | 89.23 | 3.7 | 33.66 | 7.8 | 25.8 | 1.36 |
| F07 | 24 May 2017 | 24 | 10.52 | 89.45 | 3.7 | 33.67 | 7.8 | 25.8 | 1.20 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F07 | 24 May 2017 | 25 | 10.49 | 89.81 | 3.6 | 33.66 | 7.8 | 25.8 | 1.14 |
| F07 | 24 May 2017 | 26 | 10.47 | 89.91 | 3.6 | 33.67 | 7.8 | 25.8 | 1.10 |
| F07 | 24 May 2017 | 27 | 10.46 | 90.16 | 3.6 | 33.67 | 7.8 | 25.8 | 0.98 |
| F07 | 24 May 2017 | 28 | 10.47 | 90.29 | 3.6 | 33.67 | 7.8 | 25.8 | 0.90 |
| F07 | 24 May 2017 | 29 | 10.45 | 90.31 | 3.5 | 33.67 | 7.8 | 25.8 | 0.89 |
| F07 | 24 May 2017 | 30 | 10.43 | 90.32 | 3.5 | 33.67 | 7.8 | 25.8 | 0.82 |
| F07 | 24 May 2017 | 31 | 10.42 | 90.34 | 3.5 | 33.68 | 7.8 | 25.8 | 0.79 |
| F07 | 24 May 2017 | 32 | 10.38 | 90.47 | 3.5 | 33.68 | 7.8 | 25.9 | 0.77 |
| F07 | 24 May 2017 | 33 | 10.35 | 90.62 | 3.5 | 33.68 | 7.8 | 25.9 | 0.72 |
| F07 | 24 May 2017 | 34 | 10.32 | 90.65 | 3.5 | 33.69 | 7.8 | 25.9 | 0.63 |
| F07 | 24 May 2017 | 35 | 10.26 | 90.63 | 3.5 | 33.70 | 7.8 | 25.9 | 0.66 |
| F07 | 24 May 2017 | 36 | 10.25 | 90.48 | 3.5 | 33.70 | 7.8 | 25.9 | 0.48 |
| F07 | 24 May 2017 | 37 | 10.23 | 90.55 | 3.4 | 33.70 | 7.8 | 25.9 | 0.41 |
| F07 | 24 May 2017 | 38 | 10.22 | 90.69 | 3.5 | 33.70 | 7.8 | 25.9 | 0.35 |
| F07 | 24 May 2017 | 39 | 10.22 | 90.85 | 3.4 | 33.70 | 7.8 | 25.9 | 0.34 |
| F07 | 24 May 2017 | 40 | 10.19 | 90.93 | 3.4 | 33.71 | 7.8 | 25.9 | 0.30 |
| F07 | 24 May 2017 | 41 | 10.19 | 90.74 | 3.4 | 33.71 | 7.8 | 25.9 | 0.27 |
| F07 | 24 May 2017 | 42 | 10.16 | 90.67 | 3.4 | 33.71 | 7.8 | 25.9 | 0.25 |
| F07 | 24 May 2017 | 43 | 10.16 | 90.36 | 3.4 | 33.71 | 7.8 | 25.9 | 0.23 |
| F07 | 24 May 2017 | 44 | 10.15 | 90.07 | 3.4 | 33.72 | 7.8 | 25.9 | 0.22 |
| F07 | 24 May 2017 | 45 | 10.14 | 90.11 | 3.4 | 33.72 | 7.8 | 25.9 | 0.22 |
| F07 | 24 May 2017 | 46 | 10.13 | 90.15 | 3.4 | 33.72 | 7.8 | 25.9 | 0.20 |
| F07 | 24 May 2017 | 47 | 10.12 | 89.98 | 3.4 | 33.72 | 7.8 | 25.9 | 0.18 |
| F07 | 24 May 2017 | 48 | 10.10 | 89.68 | 3.3 | 33.73 | 7.8 | 25.9 | 0.18 |
| F07 | 24 May 2017 | 49 | 10.10 | 89.21 | 3.3 | 33.73 | 7.8 | 25.9 | 0.18 |
| F07 | 24 May 2017 | 50 | 10.09 | 88.92 | 3.3 | 33.74 | 7.8 | 25.9 | 0.17 |
| F07 | 24 May 2017 | 51 | 10.04 | 88.54 | 3.2 | 33.76 | 7.8 | 26.0 | 0.16 |
| F07 | 24 May 2017 | 52 | 10.03 | 87.57 | 3.2 | 33.76 | 7.8 | 26.0 | 0.14 |
| F07 | 24 May 2017 | 53 | 10.01 | 87.04 | 3.1 | 33.76 | 7.8 | 26.0 | 0.15 |
| F07 | 24 May 2017 | 54 | 9.97 | 86.34 | 3.1 | 33.78 | 7.8 | 26.0 | 0.14 |
| F07 | 24 May 2017 | 55 | 9.96 | 85.95 | 3.1 | 33.79 | 7.8 | 26.0 | 0.12 |
| F07 | 24 May 2017 | 56 | 9.95 | 84.27 | 3.0 | 33.80 | 7.8 | 26.0 | 0.14 |
| F07 | 24 May 2017 | 57 | 9.94 | 83.14 | 3.0 | 33.81 | 7.8 | 26.0 | 0.13 |
| F07 | 24 May 2017 | 58 | 9.93 | 81.79 | 3.0 | 33.82 | 7.8 | 26.0 | 0.12 |
| F07 | 24 May 2017 | 59 | 9.93 | 81.62 | 3.0 | 33.82 | 7.8 | 26.0 | 0.11 |
| F07 | 24 May 2017 | 60 | 9.93 | 82.25 | 3.0 | 33.82 | 7.8 | 26.0 | 0.11 |
| F07 | 24 May 2017 | 61 | 9.92 | 81.86 | 3.0 | 33.82 | 7.8 | 26.0 | 0.12 |
| F07 | 24 May 2017 | 62 | 9.92 | 81.40 | 3.0 | 33.83 | 7.8 | 26.0 | 0.12 |
| F07 | 24 May 2017 | 63 | 9.92 | 79.16 | 3.0 | 33.83 | 7.8 | 26.1 | 0.12 |
| | | | | | | | | | |
| F08 | 24 May 2017 | 1 | 16.87 | 79.46 | 8.7 | 33.47 | 8.3 | 24.4 | 1.13 |
| F08 | 24 May 2017 | 2 | 16.79 | 78.53 | 8.6 | 33.53 | 8.3 | 24.4 | 1.11 |
| F08 | 24 May 2017 | 3 | 14.70 | 79.35 | 8.8 | 33.69 | 8.2 | 25.0 | 1.06 |
| F08 | 24 May 2017 | 4 | 13.54 | 77.80 | 8.8 | 33.51 | 8.2 | 25.1 | 1.49 |
| F08 | 24 May 2017 | 5 | 13.74 | 75.62 | 8.7 | 33.40 | 8.2 | 25.0 | 2.98 |
| F08 | 24 May 2017 | 6 | 13.36 | 73.87 | 8.6 | 33.45 | 8.2 | 25.1 | 3.68 |
| F08 | 24 May 2017 | 7 | 13.31 | 71.84 | 8.5 | 33.44 | 8.2 | 25.1 | 5.70 |
| F08 | 24 May 2017 | 8 | 13.27 | 70.53 | 8.5 | 33.46 | 8.2 | 25.1 | 8.44 |
| F08 | 24 May 2017 | 9 | 13.14 | 69.13 | 8.2 | 33.48 | 8.2 | 25.2 | 8.43 |
| F08 | 24 May 2017 | 10 | 12.83 | 68.72 | 7.9 | 33.51 | 8.1 | 25.3 | 10.59 |
| F08 | 24 May 2017 | 11 | 12.76 | 69.22 | 7.6 | 33.52 | 8.1 | 25.3 | 12.58 |
| F08 | 24 May 2017 | 12 | 12.22 | 69.99 | 6.9 | 33.59 | 8.1 | 25.5 | 12.64 |
| F08 | 24 May 2017 | 13 | 11.95 | 74.44 | 6.2 | 33.58 | 8.0 | 25.5 | 11.55 |
| F08 | 24 May 2017 | 14 | 11.86 | 79.20 | 5.7 | 33.58 | 8.0 | 25.5 | 9.24 |
| F08 | 24 May 2017 | 15 | 11.71 | 80.38 | 5.5 | 33.58 | 8.0 | 25.5 | 8.24 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F08 | 24 May 2017 | 16 | 11.68 | 80.89 | 5.4 | 33.57 | 8.0 | 25.5 | 7.48 |
| F08 | 24 May 2017 | 17 | 11.65 | 80.97 | 5.3 | 33.57 | 7.9 | 25.5 | 6.19 |
| F08 | 24 May 2017 | 18 | 11.56 | 82.53 | 5.1 | 33.59 | 7.9 | 25.6 | 6.05 |
| F08 | 24 May 2017 | 19 | 11.14 | 85.11 | 4.8 | 33.65 | 7.9 | 25.7 | 5.18 |
| F08 | 24 May 2017 | 20 | 10.91 | 87.09 | 4.4 | 33.63 | 7.9 | 25.7 | 4.23 |
| F08 | 24 May 2017 | 21 | 10.87 | 88.37 | 4.2 | 33.62 | 7.8 | 25.7 | 3.17 |
| F08 | 24 May 2017 | 22 | 10.75 | 88.72 | 4.1 | 33.63 | 7.8 | 25.8 | 2.45 |
| F08 | 24 May 2017 | 23 | 10.71 | 89.34 | 4.0 | 33.62 | 7.8 | 25.8 | 2.16 |
| F08 | 24 May 2017 | 24 | 10.65 | 89.67 | 3.9 | 33.64 | 7.8 | 25.8 | 1.84 |
| F08 | 24 May 2017 | 25 | 10.61 | 89.58 | 3.8 | 33.64 | 7.8 | 25.8 | 1.57 |
| F08 | 24 May 2017 | 26 | 10.57 | 89.49 | 3.7 | 33.65 | 7.8 | 25.8 | 1.39 |
| F08 | 24 May 2017 | 27 | 10.55 | 89.70 | 3.7 | 33.66 | 7.8 | 25.8 | 1.24 |
| F08 | 24 May 2017 | 28 | 10.50 | 89.90 | 3.7 | 33.66 | 7.8 | 25.8 | 1.09 |
| F08 | 24 May 2017 | 29 | 10.45 | 90.18 | 3.6 | 33.67 | 7.8 | 25.8 | 0.98 |
| F08 | 24 May 2017 | 30 | 10.40 | 90.31 | 3.6 | 33.68 | 7.8 | 25.9 | 0.91 |
| F08 | 24 May 2017 | 31 | 10.34 | 90.45 | 3.6 | 33.69 | 7.8 | 25.9 | 0.82 |
| F08 | 24 May 2017 | 32 | 10.32 | 90.37 | 3.5 | 33.69 | 7.8 | 25.9 | 0.74 |
| F08 | 24 May 2017 | 33 | 10.30 | 90.24 | 3.5 | 33.69 | 7.8 | 25.9 | 0.63 |
| F08 | 24 May 2017 | 34 | 10.25 | 89.90 | 3.4 | 33.70 | 7.8 | 25.9 | 0.55 |
| F08 | 24 May 2017 | 35 | 10.24 | 89.37 | 3.4 | 33.70 | 7.8 | 25.9 | 0.45 |
| F08 | 24 May 2017 | 36 | 10.22 | 89.31 | 3.3 | 33.70 | 7.8 | 25.9 | 0.38 |
| F08 | 24 May 2017 | 37 | 10.21 | 89.18 | 3.3 | 33.71 | 7.8 | 25.9 | 0.33 |
| F08 | 24 May 2017 | 38 | 10.20 | 88.65 | 3.2 | 33.71 | 7.8 | 25.9 | 0.31 |
| F08 | 24 May 2017 | 39 | 10.19 | 88.35 | 3.2 | 33.71 | 7.8 | 25.9 | 0.30 |
| F08 | 24 May 2017 | 40 | 10.18 | 88.19 | 3.2 | 33.72 | 7.8 | 25.9 | 0.26 |
| F08 | 24 May 2017 | 41 | 10.17 | 87.59 | 3.2 | 33.72 | 7.8 | 25.9 | 0.25 |
| F08 | 24 May 2017 | 42 | 10.17 | 86.81 | 3.2 | 33.72 | 7.8 | 25.9 | 0.25 |
| F08 | 24 May 2017 | 43 | 10.17 | 86.61 | 3.2 | 33.72 | 7.8 | 25.9 | 0.23 |
| F08 | 24 May 2017 | 44 | 10.12 | 84.95 | 3.1 | 33.74 | 7.8 | 26.0 | 0.23 |
| F08 | 24 May 2017 | 45 | 10.14 | 84.47 | 3.1 | 33.73 | 7.8 | 25.9 | 0.21 |
| F08 | 24 May 2017 | 46 | 10.08 | 84.17 | 3.1 | 33.75 | 7.8 | 26.0 | 0.19 |
| F08 | 24 May 2017 | 47 | 10.02 | 83.76 | 3.1 | 33.76 | 7.8 | 26.0 | 0.20 |
| F08 | 24 May 2017 | 48 | 10.05 | 86.13 | 3.1 | 33.74 | 7.8 | 26.0 | 0.18 |
| F08 | 24 May 2017 | 49 | 9.98 | 88.11 | 3.1 | 33.75 | 7.8 | 26.0 | 0.16 |
| F08 | 24 May 2017 | 50 | 9.96 | 88.47 | 3.1 | 33.76 | 7.8 | 26.0 | 0.17 |
| F08 | 24 May 2017 | 51 | 9.95 | 87.95 | 3.1 | 33.76 | 7.8 | 26.0 | 0.13 |
| F08 | 24 May 2017 | 52 | 9.92 | 87.48 | 3.1 | 33.77 | 7.8 | 26.0 | 0.13 |
| F08 | 24 May 2017 | 53 | 9.93 | 87.09 | 3.1 | 33.77 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 54 | 9.94 | 85.29 | 3.0 | 33.78 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 55 | 9.94 | 84.27 | 3.0 | 33.78 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 56 | 9.94 | 83.54 | 3.0 | 33.78 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 57 | 9.94 | 82.13 | 3.0 | 33.79 | 7.8 | 26.0 | 0.14 |
| F08 | 24 May 2017 | 58 | 9.94 | 80.80 | 3.0 | 33.79 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 59 | 9.92 | 80.19 | 3.0 | 33.79 | 7.8 | 26.0 | 0.13 |
| F08 | 24 May 2017 | 60 | 9.90 | 80.17 | 3.0 | 33.79 | 7.8 | 26.0 | 0.12 |
| F08 | 24 May 2017 | 61 | 9.89 | 80.04 | 3.0 | 33.79 | 7.8 | 26.0 | 0.14 |
| | | | | | | | | | |
| F09 | 24 May 2017 | 1 | 17.47 | 82.07 | 8.6 | 33.48 | 8.3 | 24.2 | 0.62 |
| F09 | 24 May 2017 | 2 | 17.30 | 82.06 | 8.5 | 33.54 | 8.3 | 24.3 | 0.65 |
| F09 | 24 May 2017 | 3 | 15.21 | 81.65 | 8.8 | 33.68 | 8.2 | 24.9 | 0.67 |
| F09 | 24 May 2017 | 4 | 14.32 | 79.60 | 8.9 | 33.51 | 8.2 | 25.0 | 0.95 |
| F09 | 24 May 2017 | 5 | 13.44 | 78.33 | 8.6 | 33.52 | 8.2 | 25.2 | 1.34 |
| F09 | 24 May 2017 | 6 | 13.21 | 78.62 | 8.4 | 33.43 | 8.2 | 25.1 | 2.30 |
| F09 | 24 May 2017 | 7 | 12.85 | 78.86 | 8.2 | 33.46 | 8.2 | 25.2 | 3.03 |
| F09 | 24 May 2017 | 8 | 12.88 | 78.24 | 8.1 | 33.42 | 8.2 | 25.2 | 4.00 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F09 | 24 May 2017 | 9 | 12.59 | 76.71 | 7.9 | 33.49 | 8.2 | 25.3 | 4.95 |
| F09 | 24 May 2017 | 10 | 12.29 | 73.59 | 7.8 | 33.45 | 8.1 | 25.3 | 7.70 |
| F09 | 24 May 2017 | 11 | 11.96 | 68.82 | 7.5 | 33.51 | 8.1 | 25.4 | 10.97 |
| F09 | 24 May 2017 | 12 | 11.68 | 67.09 | 6.8 | 33.54 | 8.0 | 25.5 | 15.62 |
| F09 | 24 May 2017 | 13 | 11.66 | 72.47 | 6.1 | 33.52 | 8.0 | 25.5 | 18.33 |
| F09 | 24 May 2017 | 14 | 11.45 | 75.71 | 5.6 | 33.57 | 8.0 | 25.6 | 16.07 |
| F09 | 24 May 2017 | 15 | 11.28 | 79.66 | 5.1 | 33.60 | 7.9 | 25.6 | 13.58 |
| F09 | 24 May 2017 | 16 | 11.19 | 84.46 | 4.8 | 33.59 | 7.9 | 25.6 | 9.14 |
| F09 | 24 May 2017 | 17 | 11.17 | 85.24 | 4.7 | 33.59 | 7.9 | 25.6 | 5.86 |
| F09 | 24 May 2017 | 18 | 11.13 | 85.56 | 4.6 | 33.60 | 7.9 | 25.7 | 4.57 |
| F09 | 24 May 2017 | 19 | 10.82 | 86.63 | 4.4 | 33.64 | 7.9 | 25.8 | 4.07 |
| F09 | 24 May 2017 | 20 | 10.97 | 88.43 | 4.3 | 33.61 | 7.8 | 25.7 | 2.87 |
| F09 | 24 May 2017 | 21 | 10.68 | 89.36 | 4.1 | 33.66 | 7.8 | 25.8 | 2.78 |
| F09 | 24 May 2017 | 22 | 10.65 | 89.78 | 3.9 | 33.64 | 7.8 | 25.8 | 2.01 |
| F09 | 24 May 2017 | 23 | 10.57 | 90.02 | 3.8 | 33.66 | 7.8 | 25.8 | 1.64 |
| F09 | 24 May 2017 | 24 | 10.53 | 90.09 | 3.8 | 33.66 | 7.8 | 25.8 | 1.42 |
| F09 | 24 May 2017 | 25 | 10.49 | 90.01 | 3.8 | 33.66 | 7.8 | 25.8 | 1.36 |
| F09 | 24 May 2017 | 26 | 10.45 | 91.01 | 3.8 | 33.66 | 7.8 | 25.8 | 1.05 |
| F09 | 24 May 2017 | 27 | 10.45 | 91.28 | 3.9 | 33.66 | 7.8 | 25.8 | 0.87 |
| F09 | 24 May 2017 | 28 | 10.43 | 90.87 | 3.8 | 33.67 | 7.8 | 25.8 | 0.82 |
| F09 | 24 May 2017 | 29 | 10.40 | 90.81 | 3.7 | 33.67 | 7.8 | 25.8 | 0.77 |
| F09 | 24 May 2017 | 30 | 10.39 | 90.75 | 3.7 | 33.68 | 7.8 | 25.9 | 0.70 |
| F09 | 24 May 2017 | 31 | 10.39 | 90.78 | 3.6 | 33.68 | 7.8 | 25.9 | 0.65 |
| F09 | 24 May 2017 | 32 | 10.38 | 90.86 | 3.6 | 33.68 | 7.8 | 25.9 | 0.59 |
| F09 | 24 May 2017 | 33 | 10.33 | 90.84 | 3.6 | 33.69 | 7.8 | 25.9 | 0.58 |
| F09 | 24 May 2017 | 34 | 10.25 | 90.81 | 3.5 | 33.71 | 7.8 | 25.9 | 0.56 |
| F09 | 24 May 2017 | 35 | 10.24 | 90.64 | 3.5 | 33.71 | 7.8 | 25.9 | 0.47 |
| F09 | 24 May 2017 | 36 | 10.20 | 90.13 | 3.4 | 33.71 | 7.8 | 25.9 | 0.38 |
| F09 | 24 May 2017 | 37 | 10.16 | 89.78 | 3.4 | 33.73 | 7.8 | 25.9 | 0.36 |
| F09 | 24 May 2017 | 38 | 10.14 | 90.33 | 3.4 | 33.73 | 7.8 | 25.9 | 0.28 |
| F09 | 24 May 2017 | 39 | 10.07 | 91.15 | 3.4 | 33.74 | 7.8 | 26.0 | 0.22 |
| F09 | 24 May 2017 | 40 | 10.02 | 91.35 | 3.4 | 33.75 | 7.8 | 26.0 | 0.25 |
| F09 | 24 May 2017 | 41 | 10.01 | 91.50 | 3.4 | 33.75 | 7.8 | 26.0 | 0.18 |
| F09 | 24 May 2017 | 42 | 10.00 | 91.57 | 3.4 | 33.75 | 7.8 | 26.0 | 0.17 |
| F09 | 24 May 2017 | 43 | 9.99 | 91.63 | 3.4 | 33.75 | 7.8 | 26.0 | 0.14 |
| F09 | 24 May 2017 | 44 | 9.97 | 91.72 | 3.4 | 33.75 | 7.8 | 26.0 | 0.13 |
| F09 | 24 May 2017 | 45 | 9.94 | 91.62 | 3.3 | 33.75 | 7.8 | 26.0 | 0.13 |
| F09 | 24 May 2017 | 46 | 9.92 | 91.41 | 3.2 | 33.75 | 7.8 | 26.0 | 0.12 |
| F09 | 24 May 2017 | 47 | 9.91 | 91.18 | 3.2 | 33.77 | 7.8 | 26.0 | 0.11 |
| F09 | 24 May 2017 | 48 | 9.90 | 91.01 | 3.2 | 33.77 | 7.8 | 26.0 | 0.15 |
| F09 | 24 May 2017 | 49 | 9.86 | 90.53 | 3.3 | 33.78 | 7.8 | 26.0 | 0.14 |
| F09 | 24 May 2017 | 50 | 9.87 | 89.20 | 3.3 | 33.78 | 7.8 | 26.0 | 0.10 |
| F09 | 24 May 2017 | 51 | 9.86 | 88.83 | 3.2 | 33.78 | 7.8 | 26.0 | 0.10 |
| F09 | 24 May 2017 | 52 | 9.86 | 87.53 | 3.2 | 33.78 | 7.8 | 26.0 | 0.10 |
| F09 | 24 May 2017 | 53 | 9.87 | 86.34 | 3.2 | 33.78 | 7.8 | 26.0 | 0.09 |
| F09 | 24 May 2017 | 54 | 9.87 | 86.11 | 3.1 | 33.78 | 7.8 | 26.0 | 0.09 |
| F09 | 24 May 2017 | 55 | 9.88 | 84.76 | 3.1 | 33.79 | 7.8 | 26.0 | 0.10 |
| F09 | 24 May 2017 | 56 | 9.88 | 81.06 | 3.0 | 33.79 | 7.8 | 26.0 | 0.12 |
| F09 | 24 May 2017 | 57 | 9.88 | 80.01 | 3.0 | 33.79 | 7.8 | 26.0 | 0.11 |
| F09 | 24 May 2017 | 58 | 9.88 | 79.67 | 3.0 | 33.79 | 7.8 | 26.0 | 0.10 |
| F09 | 24 May 2017 | 59 | 9.87 | 77.44 | 3.0 | 33.80 | 7.8 | 26.0 | 0.11 |
| F09 | 24 May 2017 | 60 | 9.87 | 75.34 | 3.0 | 33.80 | 7.8 | 26.0 | 0.11 |
| F09 | 24 May 2017 | 61 | 9.87 | 74.43 | 3.0 | 33.80 | 7.7 | 26.0 | 0.12 |
| F09 | 24 May 2017 | 62 | 9.87 | 73.16 | 3.0 | 33.80 | 7.7 | 26.0 | 0.13 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F10 | 24 May 2017 | 1 | 16.17 | 74.32 | 8.8 | 33.48 | 8.2 | 24.5 | 1.16 |
| F10 | 24 May 2017 | 2 | 15.34 | 62.72 | 8.8 | 33.56 | 8.2 | 24.8 | 1.18 |
| F10 | 24 May 2017 | 3 | 14.44 | 71.54 | 8.9 | 33.51 | 8.2 | 24.9 | 1.25 |
| F10 | 24 May 2017 | 4 | 13.85 | 77.60 | 8.8 | 33.48 | 8.2 | 25.0 | 1.70 |
| F10 | 24 May 2017 | 5 | 13.68 | 77.57 | 8.6 | 33.45 | 8.2 | 25.1 | 2.59 |
| F10 | 24 May 2017 | 6 | 13.27 | 76.21 | 8.4 | 33.46 | 8.2 | 25.1 | 3.22 |
| F10 | 24 May 2017 | 7 | 13.12 | 75.44 | 8.3 | 33.44 | 8.2 | 25.2 | 4.28 |
| F10 | 24 May 2017 | 8 | 12.78 | 77.46 | 8.1 | 33.45 | 8.1 | 25.2 | 5.17 |
| F10 | 24 May 2017 | 9 | 12.67 | 79.85 | 8.0 | 33.41 | 8.1 | 25.2 | 5.52 |
| F10 | 24 May 2017 | 10 | 12.48 | 79.71 | 7.8 | 33.48 | 8.1 | 25.3 | 5.34 |
| F10 | 24 May 2017 | 11 | 12.01 | 77.57 | 7.5 | 33.47 | 8.1 | 25.4 | 6.80 |
| F10 | 24 May 2017 | 12 | 11.81 | 70.40 | 7.1 | 33.46 | 8.1 | 25.4 | 11.65 |
| F10 | 24 May 2017 | 13 | 11.64 | 54.54 | 6.6 | 33.47 | 8.0 | 25.5 | 30.09 |
| F10 | 24 May 2017 | 14 | 11.60 | 46.52 | 6.1 | 33.46 | 8.0 | 25.5 | 58.73 |
| F10 | 24 May 2017 | 15 | 11.49 | 60.32 | 5.8 | 33.47 | 8.0 | 25.5 | 58.96 |
| F10 | 24 May 2017 | 16 | 11.39 | 64.32 | 5.5 | 33.49 | 7.9 | 25.5 | 52.42 |
| F10 | 24 May 2017 | 17 | 11.29 | 79.27 | 5.2 | 33.53 | 7.9 | 25.6 | 35.10 |
| F10 | 24 May 2017 | 18 | 11.26 | 82.01 | 5.0 | 33.55 | 7.9 | 25.6 | 17.22 |
| F10 | 24 May 2017 | 19 | 11.05 | 82.70 | 4.8 | 33.61 | 7.9 | 25.7 | 10.68 |
| F10 | 24 May 2017 | 20 | 10.86 | 85.41 | 4.4 | 33.64 | 7.8 | 25.7 | 9.68 |
| F10 | 24 May 2017 | 21 | 10.86 | 88.35 | 4.1 | 33.62 | 7.8 | 25.7 | 5.26 |
| F10 | 24 May 2017 | 22 | 10.72 | 88.71 | 4.0 | 33.64 | 7.8 | 25.8 | 3.80 |
| F10 | 24 May 2017 | 23 | 10.68 | 89.22 | 3.9 | 33.64 | 7.8 | 25.8 | 2.38 |
| F10 | 24 May 2017 | 24 | 10.57 | 89.72 | 3.9 | 33.66 | 7.8 | 25.8 | 1.90 |
| F10 | 24 May 2017 | 25 | 10.50 | 90.36 | 3.9 | 33.66 | 7.8 | 25.8 | 1.53 |
| F10 | 24 May 2017 | 26 | 10.44 | 90.88 | 3.9 | 33.68 | 7.8 | 25.8 | 1.27 |
| F10 | 24 May 2017 | 27 | 10.36 | 90.92 | 3.8 | 33.69 | 7.8 | 25.9 | 1.13 |
| F10 | 24 May 2017 | 28 | 10.31 | 91.29 | 3.8 | 33.70 | 7.8 | 25.9 | 0.82 |
| F10 | 24 May 2017 | 29 | 10.30 | 91.40 | 3.7 | 33.70 | 7.8 | 25.9 | 0.74 |
| F10 | 24 May 2017 | 30 | 10.29 | 91.40 | 3.7 | 33.70 | 7.8 | 25.9 | 0.51 |
| F10 | 24 May 2017 | 31 | 10.23 | 91.33 | 3.6 | 33.72 | 7.8 | 25.9 | 0.43 |
| F10 | 24 May 2017 | 32 | 10.20 | 91.28 | 3.6 | 33.72 | 7.8 | 25.9 | 0.45 |
| F10 | 24 May 2017 | 33 | 10.19 | 91.43 | 3.6 | 33.72 | 7.8 | 25.9 | 0.28 |
| F10 | 24 May 2017 | 34 | 10.12 | 91.44 | 3.5 | 33.74 | 7.8 | 25.9 | 0.30 |
| F10 | 24 May 2017 | 35 | 10.07 | 91.43 | 3.5 | 33.74 | 7.8 | 26.0 | 0.28 |
| F10 | 24 May 2017 | 36 | 10.05 | 91.26 | 3.5 | 33.74 | 7.8 | 26.0 | 0.20 |
| F10 | 24 May 2017 | 37 | 10.02 | 91.15 | 3.4 | 33.74 | 7.8 | 26.0 | 0.20 |
| F10 | 24 May 2017 | 38 | 10.01 | 90.78 | 3.4 | 33.75 | 7.8 | 26.0 | 0.19 |
| F10 | 24 May 2017 | 39 | 10.00 | 90.25 | 3.4 | 33.75 | 7.8 | 26.0 | 0.13 |
| F10 | 24 May 2017 | 40 | 9.98 | 90.16 | 3.3 | 33.75 | 7.8 | 26.0 | 0.12 |
| F10 | 24 May 2017 | 41 | 9.97 | 90.24 | 3.3 | 33.75 | 7.8 | 26.0 | 0.22 |
| F10 | 24 May 2017 | 42 | 9.93 | 90.41 | 3.3 | 33.76 | 7.8 | 26.0 | 0.11 |
| F10 | 24 May 2017 | 43 | 9.91 | 90.91 | 3.2 | 33.76 | 7.8 | 26.0 | 0.16 |
| F10 | 24 May 2017 | 44 | 9.90 | 90.99 | 3.2 | 33.76 | 7.8 | 26.0 | 0.13 |
| F10 | 24 May 2017 | 45 | 9.89 | 90.88 | 3.2 | 33.76 | 7.8 | 26.0 | 0.10 |
| F10 | 24 May 2017 | 46 | 9.87 | 90.55 | 3.1 | 33.76 | 7.8 | 26.0 | 0.09 |
| F10 | 24 May 2017 | 47 | 9.88 | 90.26 | 3.1 | 33.76 | 7.8 | 26.0 | 0.08 |
| F10 | 24 May 2017 | 48 | 9.89 | 89.95 | 3.1 | 33.77 | 7.8 | 26.0 | 0.10 |
| F10 | 24 May 2017 | 49 | 9.89 | 89.56 | 3.1 | 33.77 | 7.8 | 26.0 | 0.08 |
| F10 | 24 May 2017 | 50 | 9.88 | 89.32 | 3.1 | 33.78 | 7.8 | 26.0 | 0.08 |
| F10 | 24 May 2017 | 51 | 9.86 | 89.02 | 3.1 | 33.78 | 7.8 | 26.0 | 0.07 |
| F10 | 24 May 2017 | 52 | 9.83 | 88.34 | 3.0 | 33.80 | 7.8 | 26.0 | 0.19 |
| F10 | 24 May 2017 | 53 | 9.81 | 87.36 | 3.0 | 33.80 | 7.7 | 26.1 | 0.09 |
| F10 | 24 May 2017 | 54 | 9.81 | 86.76 | 3.0 | 33.80 | 7.7 | 26.0 | 0.09 |
| F10 | 24 May 2017 | 55 | 9.78 | 87.04 | 3.0 | 33.81 | 7.7 | 26.1 | 0.20 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F10 | 24 May 2017 | 56 | 9.78 | 88.26 | 3.0 | 33.81 | 7.7 | 26.1 | 0.07 |
| F10 | 24 May 2017 | 57 | 9.78 | 88.04 | 3.0 | 33.81 | 7.7 | 26.1 | 0.11 |
| F10 | 24 May 2017 | 58 | 9.79 | 86.98 | 3.0 | 33.82 | 7.7 | 26.1 | 0.09 |
| F10 | 24 May 2017 | 59 | 9.80 | 82.80 | 2.9 | 33.82 | 7.7 | 26.1 | 0.14 |
| F10 | 24 May 2017 | 60 | 9.80 | 79.99 | 2.9 | 33.82 | 7.7 | 26.1 | 0.07 |
| F10 | 24 May 2017 | 61 | 9.80 | 78.66 | 2.9 | 33.83 | 7.7 | 26.1 | 0.09 |
| | | | | | | | | | |
| F11 | 24 May 2017 | 1 | 17.36 | 81.30 | 8.6 | 33.49 | 8.3 | 24.3 | 0.89 |
| F11 | 24 May 2017 | 2 | 17.18 | 81.49 | 8.6 | 33.52 | 8.3 | 24.3 | 0.92 |
| F11 | 24 May 2017 | 3 | 15.67 | 80.88 | 8.8 | 33.71 | 8.3 | 24.8 | 0.92 |
| F11 | 24 May 2017 | 4 | 14.59 | 79.24 | 9.1 | 33.52 | 8.2 | 24.9 | 0.96 |
| F11 | 24 May 2017 | 5 | 14.54 | 77.88 | 9.1 | 33.46 | 8.2 | 24.9 | 1.20 |
| F11 | 24 May 2017 | 6 | 14.53 | 77.37 | 8.9 | 33.46 | 8.2 | 24.9 | 1.74 |
| F11 | 24 May 2017 | 7 | 14.46 | 76.11 | 8.5 | 33.48 | 8.2 | 24.9 | 1.98 |
| F11 | 24 May 2017 | 8 | 14.33 | 74.01 | 8.3 | 33.51 | 8.2 | 25.0 | 2.97 |
| F11 | 24 May 2017 | 9 | 14.16 | 72.57 | 8.0 | 33.54 | 8.2 | 25.0 | 5.08 |
| F11 | 24 May 2017 | 10 | 13.35 | 73.30 | 7.9 | 33.57 | 8.2 | 25.2 | 6.14 |
| F11 | 24 May 2017 | 11 | 12.89 | 74.99 | 7.7 | 33.54 | 8.1 | 25.3 | 6.38 |
| F11 | 24 May 2017 | 12 | 12.35 | 75.60 | 7.5 | 33.56 | 8.1 | 25.4 | 7.52 |
| F11 | 24 May 2017 | 13 | 11.85 | 71.77 | 7.1 | 33.52 | 8.1 | 25.5 | 10.55 |
| F11 | 24 May 2017 | 14 | 11.57 | 66.30 | 6.5 | 33.52 | 8.0 | 25.5 | 17.72 |
| F11 | 24 May 2017 | 15 | 11.48 | 64.76 | 5.9 | 33.50 | 8.0 | 25.5 | 27.62 |
| F11 | 24 May 2017 | 16 | 11.42 | 70.57 | 5.6 | 33.52 | 8.0 | 25.5 | 31.14 |
| F11 | 24 May 2017 | 17 | 11.26 | 76.44 | 5.3 | 33.56 | 7.9 | 25.6 | 28.73 |
| F11 | 24 May 2017 | 18 | 11.16 | 82.75 | 5.0 | 33.58 | 7.9 | 25.6 | 21.23 |
| F11 | 24 May 2017 | 19 | 10.88 | 84.91 | 4.7 | 33.66 | 7.9 | 25.8 | 13.65 |
| F11 | 24 May 2017 | 20 | 10.79 | 87.67 | 4.3 | 33.66 | 7.8 | 25.8 | 8.99 |
| F11 | 24 May 2017 | 21 | 10.61 | 89.19 | 4.0 | 33.69 | 7.8 | 25.8 | 4.88 |
| F11 | 24 May 2017 | 22 | 10.50 | 89.76 | 4.0 | 33.69 | 7.8 | 25.8 | 3.79 |
| F11 | 24 May 2017 | 23 | 10.44 | 90.05 | 3.9 | 33.69 | 7.8 | 25.9 | 3.00 |
| F11 | 24 May 2017 | 24 | 10.37 | 90.35 | 3.8 | 33.72 | 7.8 | 25.9 | 2.14 |
| F11 | 24 May 2017 | 25 | 10.25 | 90.64 | 3.8 | 33.74 | 7.8 | 25.9 | 1.65 |
| F11 | 24 May 2017 | 26 | 10.20 | 90.91 | 3.7 | 33.74 | 7.8 | 25.9 | 1.17 |
| F11 | 24 May 2017 | 27 | 10.19 | 91.28 | 3.7 | 33.74 | 7.8 | 25.9 | 0.83 |
| F11 | 24 May 2017 | 28 | 10.16 | 91.28 | 3.6 | 33.75 | 7.8 | 25.9 | 0.76 |
| F11 | 24 May 2017 | 29 | 10.13 | 91.07 | 3.6 | 33.76 | 7.8 | 26.0 | 0.75 |
| F11 | 24 May 2017 | 30 | 10.13 | 90.17 | 3.6 | 33.76 | 7.8 | 26.0 | 0.43 |
| F11 | 24 May 2017 | 31 | 10.08 | 90.50 | 3.5 | 33.77 | 7.8 | 26.0 | 0.37 |
| F11 | 24 May 2017 | 32 | 10.06 | 91.04 | 3.5 | 33.77 | 7.8 | 26.0 | 0.28 |
| F11 | 24 May 2017 | 33 | 10.05 | 91.04 | 3.5 | 33.78 | 7.8 | 26.0 | 0.23 |
| F11 | 24 May 2017 | 34 | 10.01 | 90.34 | 3.5 | 33.78 | 7.8 | 26.0 | 0.18 |
| F11 | 24 May 2017 | 35 | 9.99 | 89.63 | 3.4 | 33.79 | 7.8 | 26.0 | 0.23 |
| F11 | 24 May 2017 | 36 | 9.98 | 90.12 | 3.4 | 33.79 | 7.8 | 26.0 | 0.17 |
| F11 | 24 May 2017 | 37 | 9.97 | 89.72 | 3.4 | 33.79 | 7.8 | 26.0 | 0.15 |
| F11 | 24 May 2017 | 38 | 9.95 | 88.97 | 3.3 | 33.80 | 7.8 | 26.0 | 0.15 |
| F11 | 24 May 2017 | 39 | 9.94 | 88.21 | 3.3 | 33.80 | 7.8 | 26.0 | 0.13 |
| F11 | 24 May 2017 | 40 | 9.92 | 87.88 | 3.2 | 33.80 | 7.8 | 26.0 | 0.12 |
| F11 | 24 May 2017 | 41 | 9.90 | 88.25 | 3.2 | 33.80 | 7.8 | 26.0 | 0.12 |
| F11 | 24 May 2017 | 42 | 9.89 | 88.62 | 3.2 | 33.80 | 7.8 | 26.0 | 0.12 |
| F11 | 24 May 2017 | 43 | 9.88 | 88.80 | 3.1 | 33.80 | 7.8 | 26.0 | 0.13 |
| F11 | 24 May 2017 | 44 | 9.87 | 89.08 | 3.1 | 33.80 | 7.8 | 26.0 | 0.11 |
| F11 | 24 May 2017 | 45 | 9.87 | 89.32 | 3.1 | 33.80 | 7.8 | 26.0 | 0.10 |
| F11 | 24 May 2017 | 46 | 9.86 | 89.42 | 3.1 | 33.79 | 7.8 | 26.0 | 0.16 |
| F11 | 24 May 2017 | 47 | 9.85 | 89.56 | 3.1 | 33.79 | 7.8 | 26.0 | 0.10 |
| F11 | 24 May 2017 | 48 | 9.86 | 89.40 | 3.1 | 33.80 | 7.8 | 26.0 | 0.09 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F11 | 24 May 2017 | 49 | 9.87 | 88.51 | 3.1 | 33.80 | 7.8 | 26.0 | 0.08 |
| F11 | 24 May 2017 | 50 | 9.87 | 87.97 | 3.1 | 33.81 | 7.8 | 26.0 | 0.09 |
| F11 | 24 May 2017 | 51 | 9.87 | 87.37 | 3.0 | 33.81 | 7.8 | 26.0 | 0.09 |
| F11 | 24 May 2017 | 52 | 9.87 | 85.09 | 3.0 | 33.81 | 7.8 | 26.0 | 0.09 |
| F11 | 24 May 2017 | 53 | 9.86 | 84.18 | 3.0 | 33.82 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 54 | 9.85 | 83.76 | 3.0 | 33.82 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 55 | 9.84 | 83.18 | 3.0 | 33.83 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 56 | 9.83 | 82.63 | 3.0 | 33.83 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 57 | 9.83 | 80.98 | 3.0 | 33.83 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 58 | 9.82 | 79.73 | 3.0 | 33.83 | 7.8 | 26.1 | 0.11 |
| F11 | 24 May 2017 | 59 | 9.82 | 78.35 | 3.0 | 33.83 | 7.8 | 26.1 | 0.10 |
| F11 | 24 May 2017 | 60 | 9.82 | 77.21 | 3.0 | 33.83 | 7.8 | 26.1 | 0.10 |
| | | | | | | | | | |
| F12 | 24 May 2017 | 1 | 18.12 | 83.39 | 8.4 | 33.50 | 8.3 | 24.1 | 0.87 |
| F12 | 24 May 2017 | 2 | 18.02 | 83.22 | 8.4 | 33.54 | 8.3 | 24.2 | 0.91 |
| F12 | 24 May 2017 | 3 | 16.48 | 83.08 | 8.8 | 33.65 | 8.3 | 24.6 | 0.85 |
| F12 | 24 May 2017 | 4 | 16.10 | 79.41 | 9.1 | 33.48 | 8.3 | 24.6 | 1.24 |
| F12 | 24 May 2017 | 5 | 15.07 | 75.77 | 9.0 | 33.60 | 8.2 | 24.9 | 1.81 |
| F12 | 24 May 2017 | 6 | 14.54 | 73.61 | 8.9 | 33.50 | 8.2 | 24.9 | 3.17 |
| F12 | 24 May 2017 | 7 | 14.38 | 73.19 | 8.8 | 33.48 | 8.2 | 24.9 | 4.93 |
| F12 | 24 May 2017 | 8 | 14.18 | 72.20 | 8.7 | 33.47 | 8.2 | 25.0 | 6.52 |
| F12 | 24 May 2017 | 9 | 13.96 | 73.51 | 8.6 | 33.45 | 8.2 | 25.0 | 6.97 |
| F12 | 24 May 2017 | 10 | 13.55 | 73.39 | 8.4 | 33.53 | 8.2 | 25.1 | 7.54 |
| F12 | 24 May 2017 | 11 | 12.59 | 73.25 | 7.9 | 33.57 | 8.1 | 25.4 | 8.07 |
| F12 | 24 May 2017 | 12 | 12.16 | 77.75 | 7.3 | 33.49 | 8.1 | 25.4 | 7.93 |
| F12 | 24 May 2017 | 13 | 11.84 | 74.62 | 6.9 | 33.49 | 8.1 | 25.4 | 9.60 |
| F12 | 24 May 2017 | 14 | 11.72 | 59.87 | 6.4 | 33.47 | 8.0 | 25.5 | 28.88 |
| F12 | 24 May 2017 | 15 | 11.50 | 69.28 | 5.8 | 33.51 | 8.0 | 25.5 | 38.21 |
| F12 | 24 May 2017 | 16 | 11.23 | 79.78 | 5.3 | 33.53 | 7.9 | 25.6 | 27.14 |
| F12 | 24 May 2017 | 17 | 11.21 | 88.82 | 5.1 | 33.52 | 7.9 | 25.6 | 13.58 |
| F12 | 24 May 2017 | 18 | 11.14 | 89.77 | 5.0 | 33.52 | 7.9 | 25.6 | 6.26 |
| F12 | 24 May 2017 | 19 | 11.14 | 90.50 | 5.0 | 33.52 | 7.9 | 25.6 | 3.66 |
| F12 | 24 May 2017 | 20 | 11.02 | 90.82 | 4.9 | 33.55 | 7.9 | 25.6 | 2.73 |
| F12 | 24 May 2017 | 21 | 10.92 | 89.81 | 4.7 | 33.58 | 7.9 | 25.7 | 2.43 |
| F12 | 24 May 2017 | 22 | 10.86 | 89.21 | 4.4 | 33.60 | 7.8 | 25.7 | 2.40 |
| F12 | 24 May 2017 | 23 | 10.80 | 89.49 | 4.2 | 33.62 | 7.8 | 25.7 | 2.04 |
| F12 | 24 May 2017 | 24 | 10.72 | 90.35 | 4.1 | 33.62 | 7.8 | 25.8 | 1.59 |
| F12 | 24 May 2017 | 25 | 10.72 | 89.81 | 4.0 | 33.63 | 7.8 | 25.8 | 1.56 |
| F12 | 24 May 2017 | 26 | 10.67 | 89.22 | 3.8 | 33.65 | 7.8 | 25.8 | 1.67 |
| F12 | 24 May 2017 | 27 | 10.64 | 89.30 | 3.7 | 33.65 | 7.8 | 25.8 | 1.44 |
| F12 | 24 May 2017 | 28 | 10.62 | 89.31 | 3.6 | 33.66 | 7.8 | 25.8 | 1.33 |
| F12 | 24 May 2017 | 29 | 10.58 | 89.35 | 3.6 | 33.66 | 7.8 | 25.8 | 1.34 |
| F12 | 24 May 2017 | 30 | 10.51 | 89.45 | 3.6 | 33.67 | 7.8 | 25.8 | 1.21 |
| F12 | 24 May 2017 | 31 | 10.47 | 89.50 | 3.5 | 33.68 | 7.8 | 25.8 | 1.22 |
| F12 | 24 May 2017 | 32 | 10.46 | 89.83 | 3.6 | 33.68 | 7.8 | 25.8 | 1.12 |
| F12 | 24 May 2017 | 33 | 10.42 | 90.13 | 3.6 | 33.68 | 7.8 | 25.9 | 1.07 |
| F12 | 24 May 2017 | 34 | 10.39 | 90.21 | 3.6 | 33.69 | 7.8 | 25.9 | 0.97 |
| F12 | 24 May 2017 | 35 | 10.37 | 90.33 | 3.6 | 33.69 | 7.8 | 25.9 | 0.83 |
| F12 | 24 May 2017 | 36 | 10.35 | 90.24 | 3.6 | 33.69 | 7.8 | 25.9 | 0.79 |
| F12 | 24 May 2017 | 37 | 10.34 | 90.35 | 3.5 | 33.69 | 7.8 | 25.9 | 0.73 |
| F12 | 24 May 2017 | 38 | 10.26 | 90.59 | 3.5 | 33.71 | 7.8 | 25.9 | 0.65 |
| F12 | 24 May 2017 | 39 | 10.23 | 89.64 | 3.4 | 33.71 | 7.8 | 25.9 | 0.58 |
| F12 | 24 May 2017 | 40 | 10.21 | 89.16 | 3.4 | 33.72 | 7.8 | 25.9 | 0.49 |
| F12 | 24 May 2017 | 41 | 10.19 | 90.73 | 3.5 | 33.72 | 7.8 | 25.9 | 0.37 |
| F12 | 24 May 2017 | 42 | 10.14 | 91.48 | 3.6 | 33.73 | 7.8 | 25.9 | 0.31 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F12 | 24 May 2017 | 43 | 10.12 | 91.67 | 3.6 | 33.73 | 7.8 | 25.9 | 0.29 |
| F12 | 24 May 2017 | 44 | 10.09 | 91.67 | 3.6 | 33.74 | 7.8 | 26.0 | 0.24 |
| F12 | 24 May 2017 | 45 | 10.06 | 91.45 | 3.5 | 33.74 | 7.8 | 26.0 | 0.23 |
| F12 | 24 May 2017 | 46 | 10.08 | 91.38 | 3.5 | 33.74 | 7.8 | 26.0 | 0.23 |
| F12 | 24 May 2017 | 47 | 10.03 | 91.30 | 3.5 | 33.75 | 7.8 | 26.0 | 0.17 |
| F12 | 24 May 2017 | 48 | 10.03 | 91.14 | 3.4 | 33.76 | 7.8 | 26.0 | 0.16 |
| F12 | 24 May 2017 | 49 | 10.02 | 89.59 | 3.4 | 33.77 | 7.8 | 26.0 | 0.17 |
| F12 | 24 May 2017 | 50 | 10.00 | 88.93 | 3.4 | 33.77 | 7.8 | 26.0 | 0.17 |
| F12 | 24 May 2017 | 51 | 9.98 | 89.95 | 3.4 | 33.77 | 7.8 | 26.0 | 0.13 |
| F12 | 24 May 2017 | 52 | 9.95 | 90.10 | 3.3 | 33.78 | 7.8 | 26.0 | 0.11 |
| F12 | 24 May 2017 | 53 | 9.90 | 90.36 | 3.3 | 33.77 | 7.8 | 26.0 | 0.11 |
| F12 | 24 May 2017 | 54 | 9.90 | 90.68 | 3.2 | 33.77 | 7.8 | 26.0 | 0.11 |
| F12 | 24 May 2017 | 55 | 9.86 | 90.82 | 3.2 | 33.78 | 7.8 | 26.0 | 0.11 |
| F12 | 24 May 2017 | 56 | 9.85 | 90.32 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F12 | 24 May 2017 | 57 | 9.83 | 90.03 | 3.1 | 33.81 | 7.8 | 26.1 | 0.10 |
| F12 | 24 May 2017 | 58 | 9.81 | 87.99 | 3.1 | 33.82 | 7.8 | 26.1 | 0.24 |
| F12 | 24 May 2017 | 59 | 9.80 | 86.68 | 3.0 | 33.83 | 7.7 | 26.1 | 0.12 |
| F12 | 24 May 2017 | 60 | 9.79 | 85.16 | 3.0 | 33.83 | 7.7 | 26.1 | 0.14 |
| F12 | 24 May 2017 | 61 | 9.78 | 84.03 | 3.0 | 33.83 | 7.7 | 26.1 | 0.12 |
| | | | | | | | | | |
| F13 | 24 May 2017 | 1 | 18.20 | 76.08 | 8.5 | 33.50 | 8.3 | 24.1 | 0.99 |
| F13 | 24 May 2017 | 2 | 18.17 | 78.24 | 8.5 | 33.51 | 8.3 | 24.1 | 1.03 |
| F13 | 24 May 2017 | 3 | 17.66 | 81.40 | 8.6 | 33.62 | 8.3 | 24.3 | 1.04 |
| F13 | 24 May 2017 | 4 | 16.30 | 80.68 | 9.3 | 33.58 | 8.3 | 24.6 | 1.32 |
| F13 | 24 May 2017 | 5 | 14.81 | 75.51 | 9.1 | 33.77 | 8.2 | 25.1 | 2.10 |
| F13 | 24 May 2017 | 6 | 13.60 | 72.23 | 8.5 | 33.57 | 8.2 | 25.2 | 2.95 |
| F13 | 24 May 2017 | 7 | 13.61 | 71.53 | 8.1 | 33.49 | 8.1 | 25.1 | 6.91 |
| F13 | 24 May 2017 | 8 | 12.82 | 73.38 | 7.8 | 33.55 | 8.1 | 25.3 | 9.63 |
| F13 | 24 May 2017 | 9 | 12.34 | 77.00 | 7.3 | 33.53 | 8.1 | 25.4 | 9.66 |
| F13 | 24 May 2017 | 10 | 11.89 | 78.66 | 6.8 | 33.54 | 8.0 | 25.5 | 9.07 |
| F13 | 24 May 2017 | 11 | 11.66 | 74.40 | 6.2 | 33.49 | 8.0 | 25.5 | 12.84 |
| F13 | 24 May 2017 | 12 | 11.57 | 72.28 | 5.9 | 33.49 | 8.0 | 25.5 | 17.30 |
| F13 | 24 May 2017 | 13 | 11.49 | 71.90 | 5.6 | 33.50 | 8.0 | 25.5 | 18.51 |
| F13 | 24 May 2017 | 14 | 11.47 | 73.72 | 5.4 | 33.50 | 7.9 | 25.5 | 23.36 |
| F13 | 24 May 2017 | 15 | 11.23 | 81.44 | 5.1 | 33.54 | 7.9 | 25.6 | 20.80 |
| F13 | 24 May 2017 | 16 | 11.20 | 87.59 | 4.9 | 33.53 | 7.9 | 25.6 | 13.04 |
| F13 | 24 May 2017 | 17 | 11.18 | 88.76 | 4.8 | 33.53 | 7.9 | 25.6 | 7.04 |
| F13 | 24 May 2017 | 18 | 11.13 | 89.65 | 4.8 | 33.54 | 7.9 | 25.6 | 5.14 |
| F13 | 24 May 2017 | 19 | 10.97 | 90.84 | 4.8 | 33.57 | 7.9 | 25.7 | 3.04 |
| F13 | 24 May 2017 | 20 | 10.90 | 91.77 | 4.8 | 33.57 | 7.9 | 25.7 | 2.49 |
| F13 | 24 May 2017 | 21 | 10.80 | 92.09 | 4.7 | 33.58 | 7.9 | 25.7 | 1.91 |
| F13 | 24 May 2017 | 22 | 10.71 | 92.04 | 4.6 | 33.60 | 7.9 | 25.7 | 1.23 |
| F13 | 24 May 2017 | 23 | 10.62 | 92.03 | 4.5 | 33.61 | 7.9 | 25.8 | 0.97 |
| F13 | 24 May 2017 | 24 | 10.63 | 92.41 | 4.4 | 33.61 | 7.9 | 25.8 | 0.85 |
| F13 | 24 May 2017 | 25 | 10.49 | 92.20 | 4.3 | 33.65 | 7.8 | 25.8 | 0.78 |
| F13 | 24 May 2017 | 26 | 10.50 | 91.88 | 4.2 | 33.64 | 7.8 | 25.8 | 0.65 |
| F13 | 24 May 2017 | 27 | 10.49 | 91.48 | 4.0 | 33.65 | 7.8 | 25.8 | 0.65 |
| F13 | 24 May 2017 | 28 | 10.46 | 90.57 | 3.8 | 33.67 | 7.8 | 25.8 | 0.57 |
| F13 | 24 May 2017 | 29 | 10.37 | 89.70 | 3.6 | 33.70 | 7.8 | 25.9 | 0.57 |
| F13 | 24 May 2017 | 30 | 10.35 | 89.79 | 3.6 | 33.70 | 7.8 | 25.9 | 0.62 |
| F13 | 24 May 2017 | 31 | 10.32 | 89.30 | 3.5 | 33.70 | 7.8 | 25.9 | 0.62 |
| F13 | 24 May 2017 | 32 | 10.32 | 88.25 | 3.4 | 33.70 | 7.8 | 25.9 | 0.64 |
| F13 | 24 May 2017 | 33 | 10.27 | 87.91 | 3.4 | 33.71 | 7.8 | 25.9 | 0.57 |
| F13 | 24 May 2017 | 34 | 10.25 | 87.55 | 3.4 | 33.71 | 7.8 | 25.9 | 0.50 |
| F13 | 24 May 2017 | 35 | 10.22 | 87.78 | 3.3 | 33.72 | 7.8 | 25.9 | 0.45 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F13 | 24 May 2017 | 36 | 10.20 | 85.68 | 3.2 | 33.73 | 7.8 | 25.9 | 0.39 |
| F13 | 24 May 2017 | 37 | 10.20 | 84.66 | 3.1 | 33.73 | 7.8 | 25.9 | 0.33 |
| F13 | 24 May 2017 | 38 | 10.14 | 86.18 | 3.3 | 33.74 | 7.8 | 25.9 | 0.30 |
| F13 | 24 May 2017 | 39 | 10.12 | 91.07 | 3.5 | 33.74 | 7.8 | 25.9 | 0.27 |
| F13 | 24 May 2017 | 40 | 10.10 | 91.63 | 3.6 | 33.74 | 7.8 | 25.9 | 0.24 |
| F13 | 24 May 2017 | 41 | 10.09 | 91.52 | 3.6 | 33.74 | 7.8 | 26.0 | 0.26 |
| F13 | 24 May 2017 | 42 | 10.09 | 91.59 | 3.6 | 33.74 | 7.8 | 26.0 | 0.21 |
| F13 | 24 May 2017 | 43 | 10.06 | 91.57 | 3.5 | 33.75 | 7.8 | 26.0 | 0.17 |
| F13 | 24 May 2017 | 44 | 10.04 | 91.54 | 3.5 | 33.75 | 7.8 | 26.0 | 0.22 |
| F13 | 24 May 2017 | 45 | 10.04 | 91.42 | 3.5 | 33.75 | 7.8 | 26.0 | 0.15 |
| F13 | 24 May 2017 | 46 | 10.01 | 91.40 | 3.4 | 33.75 | 7.8 | 26.0 | 0.15 |
| F13 | 24 May 2017 | 47 | 10.00 | 91.34 | 3.4 | 33.75 | 7.8 | 26.0 | 0.14 |
| F13 | 24 May 2017 | 48 | 9.99 | 91.34 | 3.4 | 33.75 | 7.8 | 26.0 | 0.13 |
| F13 | 24 May 2017 | 49 | 9.99 | 91.36 | 3.4 | 33.75 | 7.8 | 26.0 | 0.13 |
| F13 | 24 May 2017 | 50 | 9.98 | 91.39 | 3.4 | 33.76 | 7.8 | 26.0 | 0.11 |
| F13 | 24 May 2017 | 51 | 9.97 | 91.44 | 3.4 | 33.76 | 7.8 | 26.0 | 0.11 |
| F13 | 24 May 2017 | 52 | 9.94 | 91.13 | 3.3 | 33.77 | 7.8 | 26.0 | 0.11 |
| F13 | 24 May 2017 | 53 | 9.92 | 90.38 | 3.3 | 33.78 | 7.8 | 26.0 | 0.10 |
| F13 | 24 May 2017 | 54 | 9.90 | 90.69 | 3.3 | 33.79 | 7.8 | 26.0 | 0.11 |
| F13 | 24 May 2017 | 55 | 9.88 | 89.94 | 3.2 | 33.80 | 7.8 | 26.0 | 0.09 |
| F13 | 24 May 2017 | 56 | 9.88 | 87.20 | 3.2 | 33.80 | 7.8 | 26.0 | 0.09 |
| F13 | 24 May 2017 | 57 | 9.87 | 83.91 | 3.1 | 33.81 | 7.7 | 26.0 | 0.12 |
| F13 | 24 May 2017 | 58 | 9.87 | 81.93 | 3.1 | 33.81 | 7.7 | 26.0 | 0.10 |
| F13 | 24 May 2017 | 59 | 9.87 | 81.31 | 3.1 | 33.81 | 7.7 | 26.0 | 0.10 |
| F13 | 24 May 2017 | 60 | 9.87 | 81.03 | 3.1 | 33.81 | 7.7 | 26.0 | 0.11 |
| F13 | 24 May 2017 | 61 | 9.87 | 81.23 | 3.1 | 33.81 | 7.7 | 26.0 | 0.13 |
| | | | | | | | | | |
| F14 | 24 May 2017 | 1 | 18.02 | 82.26 | 8.6 | 33.49 | 8.3 | 24.1 | 1.10 |
| F14 | 24 May 2017 | 2 | 18.01 | 81.99 | 8.6 | 33.48 | 8.3 | 24.1 | 1.12 |
| F14 | 24 May 2017 | 3 | 17.47 | 81.86 | 8.7 | 33.64 | 8.3 | 24.4 | 1.14 |
| F14 | 24 May 2017 | 4 | 16.91 | 81.52 | 9.0 | 33.60 | 8.3 | 24.5 | 1.60 |
| F14 | 24 May 2017 | 5 | 14.65 | 79.90 | 9.0 | 33.73 | 8.2 | 25.1 | 1.89 |
| F14 | 24 May 2017 | 6 | 13.61 | 75.56 | 8.4 | 33.57 | 8.2 | 25.2 | 4.38 |
| F14 | 24 May 2017 | 7 | 12.89 | 74.45 | 7.6 | 33.48 | 8.1 | 25.2 | 6.96 |
| F14 | 24 May 2017 | 8 | 12.27 | 75.43 | 7.1 | 33.57 | 8.1 | 25.4 | 8.44 |
| F14 | 24 May 2017 | 9 | 11.91 | 79.01 | 6.3 | 33.51 | 8.0 | 25.4 | 9.30 |
| F14 | 24 May 2017 | 10 | 11.60 | 80.17 | 6.0 | 33.55 | 8.0 | 25.5 | 10.21 |
| F14 | 24 May 2017 | 11 | 11.42 | 79.62 | 5.6 | 33.50 | 7.9 | 25.5 | 10.39 |
| F14 | 24 May 2017 | 12 | 11.27 | 81.57 | 5.2 | 33.53 | 7.9 | 25.6 | 11.92 |
| F14 | 24 May 2017 | 13 | 11.09 | 85.21 | 5.0 | 33.55 | 7.9 | 25.6 | 9.90 |
| F14 | 24 May 2017 | 14 | 11.09 | 88.64 | 4.9 | 33.54 | 7.9 | 25.6 | 6.03 |
| F14 | 24 May 2017 | 15 | 11.02 | 89.58 | 4.8 | 33.54 | 7.9 | 25.6 | 3.97 |
| F14 | 24 May 2017 | 16 | 10.99 | 90.34 | 4.8 | 33.55 | 7.9 | 25.6 | 3.56 |
| F14 | 24 May 2017 | 17 | 10.91 | 91.08 | 4.8 | 33.56 | 7.9 | 25.7 | 2.66 |
| F14 | 24 May 2017 | 18 | 10.83 | 91.88 | 4.8 | 33.57 | 7.9 | 25.7 | 1.86 |
| F14 | 24 May 2017 | 19 | 10.73 | 92.17 | 4.7 | 33.59 | 7.9 | 25.7 | 1.45 |
| F14 | 24 May 2017 | 20 | 10.67 | 92.31 | 4.6 | 33.59 | 7.9 | 25.7 | 1.04 |
| F14 | 24 May 2017 | 21 | 10.64 | 92.39 | 4.6 | 33.60 | 7.9 | 25.7 | 1.14 |
| F14 | 24 May 2017 | 22 | 10.60 | 92.51 | 4.5 | 33.61 | 7.9 | 25.8 | 0.77 |
| F14 | 24 May 2017 | 23 | 10.49 | 92.51 | 4.4 | 33.65 | 7.8 | 25.8 | 0.74 |
| F14 | 24 May 2017 | 24 | 10.42 | 92.53 | 4.2 | 33.66 | 7.8 | 25.8 | 0.78 |
| F14 | 24 May 2017 | 25 | 10.41 | 92.28 | 4.0 | 33.66 | 7.8 | 25.8 | 0.59 |
| F14 | 24 May 2017 | 26 | 10.40 | 91.61 | 3.9 | 33.68 | 7.8 | 25.9 | 0.51 |
| F14 | 24 May 2017 | 27 | 10.38 | 91.06 | 3.7 | 33.69 | 7.8 | 25.9 | 0.59 |
| F14 | 24 May 2017 | 28 | 10.33 | 90.53 | 3.6 | 33.70 | 7.8 | 25.9 | 0.64 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F14 | 24 May 2017 | 29 | 10.31 | 90.39 | 3.6 | 33.70 | 7.8 | 25.9 | 0.60 |
| F14 | 24 May 2017 | 30 | 10.29 | 89.89 | 3.6 | 33.71 | 7.8 | 25.9 | 0.49 |
| F14 | 24 May 2017 | 31 | 10.29 | 89.99 | 3.5 | 33.71 | 7.8 | 25.9 | 0.46 |
| F14 | 24 May 2017 | 32 | 10.24 | 90.15 | 3.5 | 33.72 | 7.8 | 25.9 | 0.43 |
| F14 | 24 May 2017 | 33 | 10.23 | 90.57 | 3.6 | 33.72 | 7.8 | 25.9 | 0.40 |
| F14 | 24 May 2017 | 34 | 10.18 | 90.68 | 3.6 | 33.73 | 7.8 | 25.9 | 0.39 |
| F14 | 24 May 2017 | 35 | 10.14 | 90.77 | 3.6 | 33.73 | 7.8 | 25.9 | 0.43 |
| F14 | 24 May 2017 | 36 | 10.10 | 91.16 | 3.6 | 33.74 | 7.8 | 26.0 | 0.31 |
| F14 | 24 May 2017 | 37 | 10.09 | 91.38 | 3.6 | 33.75 | 7.8 | 26.0 | 0.31 |
| F14 | 24 May 2017 | 38 | 10.07 | 91.63 | 3.6 | 33.75 | 7.8 | 26.0 | 0.22 |
| F14 | 24 May 2017 | 39 | 10.07 | 91.54 | 3.6 | 33.75 | 7.8 | 26.0 | 0.21 |
| F14 | 24 May 2017 | 40 | 10.07 | 91.31 | 3.6 | 33.75 | 7.8 | 26.0 | 0.27 |
| F14 | 24 May 2017 | 41 | 10.06 | 91.08 | 3.5 | 33.76 | 7.8 | 26.0 | 0.18 |
| F14 | 24 May 2017 | 42 | 10.04 | 90.85 | 3.5 | 33.76 | 7.8 | 26.0 | 0.19 |
| F14 | 24 May 2017 | 43 | 10.04 | 90.98 | 3.5 | 33.76 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 44 | 10.04 | 91.18 | 3.5 | 33.76 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 45 | 10.02 | 91.27 | 3.5 | 33.77 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 46 | 10.01 | 91.23 | 3.5 | 33.77 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 47 | 10.00 | 91.01 | 3.5 | 33.77 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 48 | 9.96 | 90.58 | 3.4 | 33.78 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 49 | 9.94 | 89.25 | 3.3 | 33.78 | 7.8 | 26.0 | 0.15 |
| F14 | 24 May 2017 | 50 | 9.94 | 88.79 | 3.3 | 33.78 | 7.8 | 26.0 | 0.13 |
| F14 | 24 May 2017 | 51 | 9.94 | 88.86 | 3.2 | 33.78 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 52 | 9.94 | 88.42 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 53 | 9.94 | 84.48 | 3.2 | 33.80 | 7.8 | 26.0 | 0.12 |
| F14 | 24 May 2017 | 54 | 9.94 | 84.02 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 55 | 9.94 | 83.38 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 56 | 9.93 | 83.67 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 57 | 9.94 | 83.64 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 58 | 9.94 | 83.50 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| F14 | 24 May 2017 | 59 | 9.94 | 83.58 | 3.2 | 33.80 | 7.8 | 26.0 | 0.12 |
| F14 | 24 May 2017 | 60 | 9.94 | 83.11 | 3.2 | 33.80 | 7.8 | 26.0 | 0.11 |
| | | | | | | | | | |
| F15 | 23 May 2017 | 1 | 16.78 | 78.65 | 8.4 | 33.51 | 8.2 | 24.4 | 1.47 |
| F15 | 23 May 2017 | 2 | 16.78 | 78.17 | 8.3 | 33.51 | 8.2 | 24.4 | 1.47 |
| F15 | 23 May 2017 | 3 | 16.76 | 78.32 | 8.3 | 33.51 | 8.2 | 24.4 | 1.51 |
| F15 | 23 May 2017 | 4 | 16.75 | 78.84 | 8.3 | 33.51 | 8.2 | 24.4 | 1.65 |
| F15 | 23 May 2017 | 5 | 16.57 | 78.86 | 8.3 | 33.55 | 8.2 | 24.5 | 1.80 |
| F15 | 23 May 2017 | 6 | 15.64 | 78.52 | 8.4 | 33.61 | 8.2 | 24.8 | 1.96 |
| F15 | 23 May 2017 | 7 | 15.14 | 78.31 | 8.5 | 33.58 | 8.2 | 24.8 | 2.20 |
| F15 | 23 May 2017 | 8 | 14.55 | 78.19 | 8.6 | 33.52 | 8.2 | 24.9 | 2.48 |
| F15 | 23 May 2017 | 9 | 14.44 | 76.83 | 8.8 | 33.51 | 8.2 | 24.9 | 2.88 |
| F15 | 23 May 2017 | 10 | 14.28 | 76.16 | 8.8 | 33.52 | 8.2 | 25.0 | 3.29 |
| F15 | 23 May 2017 | 11 | 14.23 | 75.69 | 8.8 | 33.49 | 8.2 | 25.0 | 3.81 |
| F15 | 23 May 2017 | 12 | 14.20 | 75.43 | 8.8 | 33.50 | 8.2 | 25.0 | 4.29 |
| F15 | 23 May 2017 | 13 | 13.67 | 75.40 | 8.7 | 33.57 | 8.2 | 25.2 | 4.58 |
| F15 | 23 May 2017 | 14 | 13.51 | 71.83 | 8.5 | 33.49 | 8.2 | 25.1 | 5.40 |
| F15 | 23 May 2017 | 15 | 12.71 | 70.73 | 8.0 | 33.75 | 8.2 | 25.5 | 7.61 |
| F15 | 23 May 2017 | 16 | 11.33 | 71.16 | 6.8 | 33.66 | 8.0 | 25.7 | 8.41 |
| F15 | 23 May 2017 | 17 | 11.44 | 75.77 | 5.5 | 33.55 | 7.9 | 25.6 | 9.39 |
| F15 | 23 May 2017 | 18 | 11.09 | 80.47 | 5.1 | 33.59 | 7.9 | 25.7 | 8.75 |
| F15 | 23 May 2017 | 19 | 11.00 | 89.27 | 4.8 | 33.59 | 7.9 | 25.7 | 7.79 |
| F15 | 23 May 2017 | 20 | 10.92 | 88.93 | 4.6 | 33.59 | 7.9 | 25.7 | 6.14 |
| F15 | 23 May 2017 | 21 | 10.92 | 88.07 | 4.4 | 33.60 | 7.8 | 25.7 | 3.73 |
| F15 | 23 May 2017 | 22 | 10.92 | 87.37 | 4.3 | 33.61 | 7.8 | 25.7 | 2.58 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F15 | 23 May 2017 | 23 | 10.91 | 87.12 | 4.3 | 33.61 | 7.8 | 25.7 | 2.56 |
| F15 | 23 May 2017 | 24 | 10.88 | 86.91 | 4.2 | 33.62 | 7.8 | 25.7 | 2.59 |
| F15 | 23 May 2017 | 25 | 10.89 | 86.82 | 4.1 | 33.62 | 7.8 | 25.7 | 2.33 |
| F15 | 23 May 2017 | 26 | 10.74 | 87.49 | 4.0 | 33.66 | 7.8 | 25.8 | 2.52 |
| F15 | 23 May 2017 | 27 | 10.68 | 88.40 | 3.9 | 33.66 | 7.8 | 25.8 | 2.26 |
| F15 | 23 May 2017 | 28 | 10.60 | 88.43 | 3.7 | 33.66 | 7.8 | 25.8 | 2.03 |
| F15 | 23 May 2017 | 29 | 10.56 | 88.69 | 3.6 | 33.67 | 7.8 | 25.8 | 1.82 |
| F15 | 23 May 2017 | 30 | 10.55 | 89.21 | 3.6 | 33.66 | 7.8 | 25.8 | 1.50 |
| F15 | 23 May 2017 | 31 | 10.52 | 89.32 | 3.6 | 33.66 | 7.8 | 25.8 | 1.40 |
| F15 | 23 May 2017 | 32 | 10.51 | 89.73 | 3.6 | 33.66 | 7.8 | 25.8 | 1.18 |
| F15 | 23 May 2017 | 33 | 10.46 | 90.47 | 3.7 | 33.67 | 7.8 | 25.8 | 1.13 |
| F15 | 23 May 2017 | 34 | 10.42 | 90.84 | 3.7 | 33.67 | 7.8 | 25.8 | 1.00 |
| F15 | 23 May 2017 | 35 | 10.39 | 91.09 | 3.7 | 33.68 | 7.8 | 25.9 | 1.01 |
| F15 | 23 May 2017 | 36 | 10.36 | 90.88 | 3.7 | 33.68 | 7.8 | 25.9 | 0.76 |
| F15 | 23 May 2017 | 37 | 10.32 | 90.51 | 3.6 | 33.69 | 7.8 | 25.9 | 0.67 |
| F15 | 23 May 2017 | 38 | 10.25 | 91.05 | 3.6 | 33.71 | 7.8 | 25.9 | 0.59 |
| F15 | 23 May 2017 | 39 | 10.24 | 91.57 | 3.7 | 33.70 | 7.8 | 25.9 | 0.50 |
| F15 | 23 May 2017 | 40 | 10.23 | 91.65 | 3.7 | 33.71 | 7.8 | 25.9 | 0.44 |
| F15 | 23 May 2017 | 41 | 10.22 | 91.73 | 3.8 | 33.71 | 7.8 | 25.9 | 0.40 |
| F15 | 23 May 2017 | 42 | 10.21 | 91.76 | 3.8 | 33.71 | 7.8 | 25.9 | 0.33 |
| F15 | 23 May 2017 | 43 | 10.17 | 91.87 | 3.7 | 33.72 | 7.8 | 25.9 | 0.30 |
| F15 | 23 May 2017 | 44 | 10.13 | 91.93 | 3.7 | 33.73 | 7.8 | 25.9 | 0.30 |
| F15 | 23 May 2017 | 45 | 10.12 | 91.99 | 3.7 | 33.74 | 7.8 | 25.9 | 0.28 |
| F15 | 23 May 2017 | 46 | 10.12 | 91.90 | 3.7 | 33.74 | 7.8 | 25.9 | 0.26 |
| F15 | 23 May 2017 | 47 | 10.10 | 91.82 | 3.7 | 33.74 | 7.8 | 26.0 | 0.22 |
| F15 | 23 May 2017 | 48 | 10.09 | 91.75 | 3.6 | 33.74 | 7.8 | 26.0 | 0.21 |
| F15 | 23 May 2017 | 49 | 10.09 | 91.74 | 3.6 | 33.74 | 7.8 | 26.0 | 0.20 |
| F15 | 23 May 2017 | 50 | 10.08 | 91.57 | 3.6 | 33.75 | 7.8 | 26.0 | 0.19 |
| F15 | 23 May 2017 | 51 | 10.09 | 90.99 | 3.5 | 33.75 | 7.8 | 26.0 | 0.19 |
| F15 | 23 May 2017 | 52 | 10.09 | 90.58 | 3.5 | 33.75 | 7.8 | 26.0 | 0.17 |
| F15 | 23 May 2017 | 53 | 10.08 | 90.38 | 3.5 | 33.75 | 7.8 | 26.0 | 0.16 |
| F15 | 23 May 2017 | 54 | 10.08 | 89.90 | 3.4 | 33.76 | 7.8 | 26.0 | 0.16 |
| F15 | 23 May 2017 | 55 | 10.06 | 90.01 | 3.4 | 33.76 | 7.8 | 26.0 | 0.16 |
| F15 | 23 May 2017 | 56 | 10.05 | 90.80 | 3.4 | 33.77 | 7.8 | 26.0 | 0.16 |
| F15 | 23 May 2017 | 57 | 10.03 | 90.81 | 3.4 | 33.78 | 7.8 | 26.0 | 0.16 |
| F15 | 23 May 2017 | 58 | 10.01 | 90.61 | 3.4 | 33.79 | 7.8 | 26.0 | 0.17 |
| F15 | 23 May 2017 | 59 | 10.01 | 90.31 | 3.4 | 33.79 | 7.8 | 26.0 | 0.15 |
| F15 | 23 May 2017 | 60 | 9.96 | 90.38 | 3.4 | 33.81 | 7.8 | 26.0 | 0.14 |
| F15 | 23 May 2017 | 61 | 9.95 | 90.70 | 3.4 | 33.81 | 7.8 | 26.0 | 0.14 |
| F15 | 23 May 2017 | 62 | 9.88 | 91.25 | 3.4 | 33.82 | 7.8 | 26.1 | 0.13 |
| F15 | 23 May 2017 | 63 | 9.87 | 91.60 | 3.4 | 33.82 | 7.8 | 26.0 | 0.15 |
| F15 | 23 May 2017 | 64 | 9.84 | 91.63 | 3.4 | 33.83 | 7.8 | 26.1 | 0.12 |
| F15 | 23 May 2017 | 65 | 9.78 | 91.81 | 3.4 | 33.84 | 7.8 | 26.1 | 0.12 |
| F15 | 23 May 2017 | 66 | 9.78 | 92.05 | 3.3 | 33.84 | 7.8 | 26.1 | 0.11 |
| F15 | 23 May 2017 | 67 | 9.77 | 92.18 | 3.4 | 33.85 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 68 | 9.78 | 91.93 | 3.3 | 33.86 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 69 | 9.78 | 91.70 | 3.3 | 33.86 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 70 | 9.78 | 91.63 | 3.3 | 33.86 | 7.8 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 71 | 9.78 | 91.57 | 3.3 | 33.86 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 72 | 9.79 | 91.51 | 3.3 | 33.87 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 73 | 9.79 | 91.54 | 3.3 | 33.87 | 7.8 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 74 | 9.80 | 91.36 | 3.3 | 33.87 | 7.8 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 75 | 9.80 | 90.60 | 3.2 | 33.87 | 7.8 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 76 | 9.80 | 89.96 | 3.2 | 33.88 | 7.8 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 77 | 9.80 | 89.16 | 3.2 | 33.88 | 7.8 | 26.1 | 0.09 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F15 | 23 May 2017 | 78 | 9.80 | 87.72 | 3.1 | 33.89 | 7.8 | 26.1 | 0.10 |
| F15 | 23 May 2017 | 79 | 9.80 | 86.64 | 3.1 | 33.89 | 7.7 | 26.1 | 0.09 |
| F15 | 23 May 2017 | 80 | 9.79 | 83.53 | 3.1 | 33.90 | 7.7 | 26.1 | 0.11 |
| F15 | 23 May 2017 | 81 | 9.79 | 82.75 | 3.0 | 33.90 | 7.7 | 26.1 | 0.10 |
| | | | | | | | | | |
| F16 | 23 May 2017 | 1 | 16.44 | 68.29 | 8.6 | 33.49 | 8.2 | 24.5 | 2.16 |
| F16 | 23 May 2017 | 2 | 16.03 | 71.13 | 8.4 | 33.58 | 8.2 | 24.6 | 2.22 |
| F16 | 23 May 2017 | 3 | 14.98 | 72.29 | 8.5 | 33.62 | 8.2 | 24.9 | 2.30 |
| F16 | 23 May 2017 | 4 | 14.46 | 72.44 | 8.5 | 33.52 | 8.2 | 24.9 | 2.77 |
| F16 | 23 May 2017 | 5 | 13.76 | 72.36 | 8.5 | 33.59 | 8.2 | 25.1 | 3.37 |
| F16 | 23 May 2017 | 6 | 13.45 | 70.65 | 8.5 | 33.52 | 8.2 | 25.2 | 4.40 |
| F16 | 23 May 2017 | 7 | 13.06 | 66.48 | 8.6 | 33.58 | 8.2 | 25.3 | 6.88 |
| F16 | 23 May 2017 | 8 | 12.37 | 64.75 | 8.4 | 33.60 | 8.2 | 25.4 | 8.89 |
| F16 | 23 May 2017 | 9 | 11.46 | 62.29 | 7.1 | 33.64 | 8.0 | 25.6 | 11.16 |
| F16 | 23 May 2017 | 10 | 11.27 | 68.72 | 5.6 | 33.55 | 7.9 | 25.6 | 13.13 |
| F16 | 23 May 2017 | 11 | 11.22 | 75.69 | 5.0 | 33.53 | 7.9 | 25.6 | 12.14 |
| F16 | 23 May 2017 | 12 | 11.12 | 82.79 | 4.8 | 33.55 | 7.9 | 25.6 | 8.95 |
| F16 | 23 May 2017 | 13 | 11.07 | 87.42 | 4.7 | 33.56 | 7.9 | 25.6 | 6.28 |
| F16 | 23 May 2017 | 14 | 10.94 | 89.60 | 4.6 | 33.56 | 7.9 | 25.7 | 4.59 |
| F16 | 23 May 2017 | 15 | 10.87 | 89.97 | 4.5 | 33.58 | 7.9 | 25.7 | 3.99 |
| F16 | 23 May 2017 | 16 | 10.81 | 90.63 | 4.5 | 33.58 | 7.8 | 25.7 | 2.70 |
| F16 | 23 May 2017 | 17 | 10.78 | 90.98 | 4.5 | 33.59 | 7.8 | 25.7 | 1.95 |
| F16 | 23 May 2017 | 18 | 10.75 | 91.04 | 4.4 | 33.59 | 7.8 | 25.7 | 1.64 |
| F16 | 23 May 2017 | 19 | 10.71 | 90.94 | 4.3 | 33.60 | 7.8 | 25.7 | 1.47 |
| F16 | 23 May 2017 | 20 | 10.69 | 90.61 | 4.3 | 33.61 | 7.8 | 25.7 | 1.28 |
| F16 | 23 May 2017 | 21 | 10.68 | 90.63 | 4.2 | 33.62 | 7.8 | 25.8 | 1.24 |
| F16 | 23 May 2017 | 22 | 10.68 | 90.53 | 4.1 | 33.62 | 7.8 | 25.8 | 1.27 |
| F16 | 23 May 2017 | 23 | 10.68 | 90.38 | 4.0 | 33.62 | 7.8 | 25.8 | 1.20 |
| F16 | 23 May 2017 | 24 | 10.66 | 90.29 | 4.0 | 33.63 | 7.8 | 25.8 | 1.23 |
| F16 | 23 May 2017 | 25 | 10.66 | 90.20 | 3.9 | 33.63 | 7.8 | 25.8 | 1.13 |
| F16 | 23 May 2017 | 26 | 10.64 | 90.07 | 3.9 | 33.63 | 7.8 | 25.8 | 1.20 |
| F16 | 23 May 2017 | 27 | 10.60 | 90.08 | 3.8 | 33.64 | 7.8 | 25.8 | 1.26 |
| F16 | 23 May 2017 | 28 | 10.56 | 90.00 | 3.8 | 33.66 | 7.8 | 25.8 | 1.28 |
| F16 | 23 May 2017 | 29 | 10.50 | 89.86 | 3.7 | 33.67 | 7.8 | 25.8 | 1.14 |
| F16 | 23 May 2017 | 30 | 10.47 | 90.14 | 3.6 | 33.67 | 7.8 | 25.8 | 1.09 |
| F16 | 23 May 2017 | 31 | 10.46 | 90.16 | 3.5 | 33.66 | 7.8 | 25.8 | 0.95 |
| F16 | 23 May 2017 | 32 | 10.46 | 90.11 | 3.5 | 33.66 | 7.8 | 25.8 | 0.87 |
| F16 | 23 May 2017 | 33 | 10.44 | 90.22 | 3.5 | 33.66 | 7.8 | 25.8 | 0.84 |
| F16 | 23 May 2017 | 34 | 10.43 | 90.25 | 3.5 | 33.66 | 7.8 | 25.8 | 0.86 |
| F16 | 23 May 2017 | 35 | 10.44 | 90.42 | 3.5 | 33.66 | 7.8 | 25.8 | 0.75 |
| F16 | 23 May 2017 | 36 | 10.43 | 90.52 | 3.5 | 33.66 | 7.8 | 25.8 | 0.73 |
| F16 | 23 May 2017 | 37 | 10.42 | 90.55 | 3.5 | 33.67 | 7.8 | 25.8 | 0.74 |
| F16 | 23 May 2017 | 38 | 10.40 | 90.63 | 3.5 | 33.67 | 7.8 | 25.8 | 0.68 |
| F16 | 23 May 2017 | 39 | 10.37 | 90.62 | 3.5 | 33.67 | 7.8 | 25.9 | 0.65 |
| F16 | 23 May 2017 | 40 | 10.36 | 90.60 | 3.5 | 33.67 | 7.8 | 25.9 | 0.62 |
| F16 | 23 May 2017 | 41 | 10.35 | 90.44 | 3.4 | 33.67 | 7.8 | 25.9 | 0.57 |
| F16 | 23 May 2017 | 42 | 10.32 | 90.50 | 3.5 | 33.69 | 7.8 | 25.9 | 0.53 |
| F16 | 23 May 2017 | 43 | 10.27 | 90.72 | 3.5 | 33.69 | 7.8 | 25.9 | 0.52 |
| F16 | 23 May 2017 | 44 | 10.27 | 90.99 | 3.6 | 33.69 | 7.8 | 25.9 | 0.41 |
| F16 | 23 May 2017 | 45 | 10.26 | 91.02 | 3.6 | 33.69 | 7.8 | 25.9 | 0.40 |
| F16 | 23 May 2017 | 46 | 10.24 | 90.80 | 3.5 | 33.70 | 7.8 | 25.9 | 0.37 |
| F16 | 23 May 2017 | 47 | 10.23 | 90.37 | 3.5 | 33.70 | 7.8 | 25.9 | 0.31 |
| F16 | 23 May 2017 | 48 | 10.22 | 90.13 | 3.5 | 33.71 | 7.8 | 25.9 | 0.31 |
| F16 | 23 May 2017 | 49 | 10.19 | 89.73 | 3.4 | 33.72 | 7.8 | 25.9 | 0.27 |
| F16 | 23 May 2017 | 50 | 10.15 | 89.52 | 3.4 | 33.73 | 7.8 | 25.9 | 0.26 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F16 | 23 May 2017 | 51 | 10.09 | 89.64 | 3.4 | 33.75 | 7.8 | 26.0 | 0.24 |
| F16 | 23 May 2017 | 52 | 10.05 | 90.39 | 3.4 | 33.75 | 7.8 | 26.0 | 0.22 |
| F16 | 23 May 2017 | 53 | 10.05 | 90.97 | 3.4 | 33.75 | 7.8 | 26.0 | 0.20 |
| F16 | 23 May 2017 | 54 | 10.05 | 90.95 | 3.4 | 33.75 | 7.8 | 26.0 | 0.19 |
| F16 | 23 May 2017 | 55 | 10.06 | 90.67 | 3.4 | 33.76 | 7.8 | 26.0 | 0.16 |
| F16 | 23 May 2017 | 56 | 10.06 | 90.14 | 3.3 | 33.76 | 7.8 | 26.0 | 0.15 |
| F16 | 23 May 2017 | 57 | 10.05 | 89.32 | 3.3 | 33.77 | 7.8 | 26.0 | 0.15 |
| F16 | 23 May 2017 | 58 | 10.04 | 89.18 | 3.3 | 33.77 | 7.8 | 26.0 | 0.15 |
| F16 | 23 May 2017 | 59 | 10.04 | 89.46 | 3.4 | 33.77 | 7.8 | 26.0 | 0.15 |
| F16 | 23 May 2017 | 60 | 10.02 | 89.78 | 3.4 | 33.77 | 7.8 | 26.0 | 0.14 |
| F16 | 23 May 2017 | 61 | 10.01 | 90.69 | 3.4 | 33.77 | 7.8 | 26.0 | 0.16 |
| F16 | 23 May 2017 | 62 | 10.01 | 91.32 | 3.5 | 33.78 | 7.8 | 26.0 | 0.15 |
| F16 | 23 May 2017 | 63 | 10.01 | 91.23 | 3.4 | 33.78 | 7.8 | 26.0 | 0.14 |
| F16 | 23 May 2017 | 64 | 10.01 | 90.79 | 3.4 | 33.78 | 7.8 | 26.0 | 0.14 |
| F16 | 23 May 2017 | 65 | 10.00 | 90.56 | 3.4 | 33.78 | 7.8 | 26.0 | 0.13 |
| F16 | 23 May 2017 | 66 | 10.00 | 90.33 | 3.4 | 33.78 | 7.8 | 26.0 | 0.13 |
| F16 | 23 May 2017 | 67 | 9.99 | 90.05 | 3.4 | 33.79 | 7.8 | 26.0 | 0.13 |
| F16 | 23 May 2017 | 68 | 9.97 | 89.43 | 3.3 | 33.80 | 7.8 | 26.0 | 0.12 |
| F16 | 23 May 2017 | 69 | 9.97 | 89.11 | 3.3 | 33.80 | 7.8 | 26.0 | 0.13 |
| F16 | 23 May 2017 | 70 | 9.94 | 88.94 | 3.3 | 33.82 | 7.8 | 26.0 | 0.12 |
| F16 | 23 May 2017 | 71 | 9.93 | 89.15 | 3.3 | 33.83 | 7.8 | 26.0 | 0.12 |
| F16 | 23 May 2017 | 72 | 9.92 | 89.54 | 3.3 | 33.83 | 7.8 | 26.1 | 0.12 |
| F16 | 23 May 2017 | 73 | 9.90 | 89.50 | 3.3 | 33.84 | 7.8 | 26.1 | 0.12 |
| F16 | 23 May 2017 | 74 | 9.90 | 90.44 | 3.3 | 33.84 | 7.8 | 26.1 | 0.11 |
| F16 | 23 May 2017 | 75 | 9.86 | 90.98 | 3.2 | 33.86 | 7.8 | 26.1 | 0.11 |
| F16 | 23 May 2017 | 76 | 9.85 | 90.84 | 3.2 | 33.88 | 7.8 | 26.1 | 0.11 |
| F16 | 23 May 2017 | 77 | 9.82 | 90.43 | 3.1 | 33.89 | 7.7 | 26.1 | 0.12 |
| F16 | 23 May 2017 | 78 | 9.80 | 89.74 | 3.1 | 33.91 | 7.7 | 26.1 | 0.11 |
| F16 | 23 May 2017 | 79 | 9.79 | 87.47 | 3.0 | 33.91 | 7.7 | 26.1 | 0.12 |
| F16 | 23 May 2017 | 80 | 9.79 | 85.65 | 3.0 | 33.91 | 7.7 | 26.1 | 0.12 |
| F16 | 23 May 2017 | 81 | 9.79 | 85.54 | 3.0 | 33.91 | 7.7 | 26.1 | 0.12 |
| | | | | | | | | | |
| F17 | 23 May 2017 | 1 | 16.98 | 76.00 | 8.5 | 33.50 | 8.2 | 24.4 | 1.94 |
| F17 | 23 May 2017 | 2 | 16.84 | 75.88 | 8.4 | 33.56 | 8.2 | 24.4 | 1.89 |
| F17 | 23 May 2017 | 3 | 15.66 | 74.70 | 8.6 | 33.63 | 8.2 | 24.8 | 1.95 |
| F17 | 23 May 2017 | 4 | 15.46 | 72.19 | 8.6 | 33.53 | 8.2 | 24.7 | 2.40 |
| F17 | 23 May 2017 | 5 | 14.82 | 71.44 | 8.4 | 33.63 | 8.2 | 25.0 | 3.34 |
| F17 | 23 May 2017 | 6 | 13.66 | 70.28 | 8.4 | 33.67 | 8.2 | 25.2 | 4.24 |
| F17 | 23 May 2017 | 7 | 13.20 | 68.77 | 8.3 | 33.58 | 8.2 | 25.3 | 5.64 |
| F17 | 23 May 2017 | 8 | 12.68 | 65.91 | 7.9 | 33.59 | 8.1 | 25.4 | 7.93 |
| F17 | 23 May 2017 | 9 | 12.46 | 64.03 | 7.5 | 33.53 | 8.1 | 25.4 | 10.45 |
| F17 | 23 May 2017 | 10 | 12.39 | 64.55 | 7.2 | 33.53 | 8.1 | 25.4 | 12.17 |
| F17 | 23 May 2017 | 11 | 12.06 | 65.02 | 6.8 | 33.58 | 8.1 | 25.5 | 13.93 |
| F17 | 23 May 2017 | 12 | 11.69 | 67.60 | 6.3 | 33.57 | 8.0 | 25.5 | 14.46 |
| F17 | 23 May 2017 | 13 | 11.53 | 74.17 | 5.7 | 33.57 | 8.0 | 25.6 | 14.41 |
| F17 | 23 May 2017 | 14 | 11.35 | 78.11 | 5.3 | 33.56 | 7.9 | 25.6 | 11.96 |
| F17 | 23 May 2017 | 15 | 11.28 | 82.38 | 5.0 | 33.55 | 7.9 | 25.6 | 9.41 |
| F17 | 23 May 2017 | 16 | 11.23 | 85.94 | 4.9 | 33.55 | 7.9 | 25.6 | 7.20 |
| F17 | 23 May 2017 | 17 | 11.17 | 87.52 | 4.8 | 33.55 | 7.9 | 25.6 | 5.43 |
| F17 | 23 May 2017 | 18 | 11.04 | 88.31 | 4.7 | 33.58 | 7.9 | 25.7 | 4.11 |
| F17 | 23 May 2017 | 19 | 10.89 | 89.89 | 4.6 | 33.60 | 7.9 | 25.7 | 3.59 |
| F17 | 23 May 2017 | 20 | 10.87 | 90.60 | 4.5 | 33.59 | 7.9 | 25.7 | 2.48 |
| F17 | 23 May 2017 | 21 | 10.85 | 90.74 | 4.5 | 33.59 | 7.9 | 25.7 | 2.11 |
| F17 | 23 May 2017 | 22 | 10.83 | 90.73 | 4.5 | 33.59 | 7.9 | 25.7 | 1.70 |
| F17 | 23 May 2017 | 23 | 10.80 | 90.70 | 4.4 | 33.59 | 7.9 | 25.7 | 1.46 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F17 | 23 May 2017 | 24 | 10.79 | 90.72 | 4.4 | 33.59 | 7.9 | 25.7 | 1.37 |
| F17 | 23 May 2017 | 25 | 10.78 | 90.83 | 4.4 | 33.59 | 7.9 | 25.7 | 1.30 |
| F17 | 23 May 2017 | 26 | 10.77 | 91.00 | 4.4 | 33.59 | 7.9 | 25.7 | 1.32 |
| F17 | 23 May 2017 | 27 | 10.75 | 91.04 | 4.4 | 33.60 | 7.9 | 25.7 | 1.30 |
| F17 | 23 May 2017 | 28 | 10.70 | 91.21 | 4.3 | 33.61 | 7.8 | 25.7 | 1.46 |
| F17 | 23 May 2017 | 29 | 10.66 | 91.31 | 4.3 | 33.62 | 7.8 | 25.8 | 1.32 |
| F17 | 23 May 2017 | 30 | 10.64 | 91.60 | 4.2 | 33.62 | 7.8 | 25.8 | 1.47 |
| F17 | 23 May 2017 | 31 | 10.62 | 91.71 | 4.2 | 33.63 | 7.8 | 25.8 | 1.13 |
| F17 | 23 May 2017 | 32 | 10.59 | 91.76 | 4.1 | 33.64 | 7.8 | 25.8 | 0.99 |
| F17 | 23 May 2017 | 33 | 10.56 | 91.77 | 4.1 | 33.65 | 7.8 | 25.8 | 0.83 |
| F17 | 23 May 2017 | 34 | 10.55 | 91.69 | 4.0 | 33.65 | 7.8 | 25.8 | 0.80 |
| F17 | 23 May 2017 | 35 | 10.55 | 91.67 | 4.0 | 33.64 | 7.8 | 25.8 | 0.76 |
| F17 | 23 May 2017 | 36 | 10.51 | 91.78 | 3.9 | 33.66 | 7.8 | 25.8 | 0.79 |
| F17 | 23 May 2017 | 37 | 10.47 | 91.64 | 3.8 | 33.67 | 7.8 | 25.8 | 0.74 |
| F17 | 23 May 2017 | 38 | 10.45 | 91.30 | 3.8 | 33.68 | 7.8 | 25.8 | 0.68 |
| F17 | 23 May 2017 | 39 | 10.44 | 91.16 | 3.7 | 33.68 | 7.8 | 25.8 | 0.71 |
| F17 | 23 May 2017 | 40 | 10.42 | 91.07 | 3.7 | 33.68 | 7.8 | 25.8 | 0.58 |
| F17 | 23 May 2017 | 41 | 10.38 | 90.99 | 3.6 | 33.69 | 7.8 | 25.9 | 0.55 |
| F17 | 23 May 2017 | 42 | 10.36 | 90.87 | 3.6 | 33.69 | 7.8 | 25.9 | 0.58 |
| F17 | 23 May 2017 | 43 | 10.35 | 90.88 | 3.6 | 33.70 | 7.8 | 25.9 | 0.49 |
| F17 | 23 May 2017 | 44 | 10.27 | 90.98 | 3.6 | 33.72 | 7.8 | 25.9 | 0.48 |
| F17 | 23 May 2017 | 45 | 10.23 | 91.08 | 3.5 | 33.71 | 7.8 | 25.9 | 0.44 |
| F17 | 23 May 2017 | 46 | 10.21 | 91.18 | 3.5 | 33.71 | 7.8 | 25.9 | 0.42 |
| F17 | 23 May 2017 | 47 | 10.20 | 91.24 | 3.5 | 33.71 | 7.8 | 25.9 | 0.34 |
| F17 | 23 May 2017 | 48 | 10.18 | 91.19 | 3.5 | 33.72 | 7.8 | 25.9 | 0.34 |
| F17 | 23 May 2017 | 49 | 10.17 | 91.12 | 3.6 | 33.72 | 7.8 | 25.9 | 0.22 |
| F17 | 23 May 2017 | 50 | 10.13 | 91.24 | 3.6 | 33.73 | 7.8 | 25.9 | 0.23 |
| F17 | 23 May 2017 | 51 | 10.11 | 91.64 | 3.6 | 33.73 | 7.8 | 25.9 | 0.19 |
| F17 | 23 May 2017 | 52 | 10.10 | 91.58 | 3.6 | 33.74 | 7.8 | 25.9 | 0.17 |
| F17 | 23 May 2017 | 53 | 10.09 | 91.35 | 3.5 | 33.74 | 7.8 | 26.0 | 0.15 |
| F17 | 23 May 2017 | 54 | 10.06 | 91.07 | 3.5 | 33.74 | 7.8 | 26.0 | 0.14 |
| F17 | 23 May 2017 | 55 | 10.05 | 91.01 | 3.5 | 33.74 | 7.8 | 26.0 | 0.11 |
| F17 | 23 May 2017 | 56 | 10.02 | 91.15 | 3.4 | 33.75 | 7.8 | 26.0 | 0.10 |
| F17 | 23 May 2017 | 57 | 9.97 | 91.18 | 3.4 | 33.75 | 7.8 | 26.0 | 0.11 |
| F17 | 23 May 2017 | 58 | 9.95 | 91.00 | 3.3 | 33.74 | 7.8 | 26.0 | 0.09 |
| F17 | 23 May 2017 | 59 | 9.95 | 90.74 | 3.2 | 33.74 | 7.8 | 26.0 | 0.08 |
| F17 | 23 May 2017 | 60 | 9.95 | 90.69 | 3.2 | 33.76 | 7.8 | 26.0 | 0.07 |
| F17 | 23 May 2017 | 61 | 9.96 | 90.43 | 3.2 | 33.76 | 7.8 | 26.0 | 0.06 |
| F17 | 23 May 2017 | 62 | 9.96 | 90.22 | 3.2 | 33.77 | 7.8 | 26.0 | 0.06 |
| F17 | 23 May 2017 | 63 | 9.96 | 90.03 | 3.2 | 33.77 | 7.8 | 26.0 | 0.06 |
| F17 | 23 May 2017 | 64 | 9.96 | 90.01 | 3.2 | 33.77 | 7.8 | 26.0 | 0.05 |
| F17 | 23 May 2017 | 65 | 9.95 | 90.19 | 3.2 | 33.77 | 7.8 | 26.0 | 0.05 |
| F17 | 23 May 2017 | 66 | 9.95 | 90.44 | 3.2 | 33.78 | 7.8 | 26.0 | 0.06 |
| F17 | 23 May 2017 | 67 | 9.94 | 90.43 | 3.2 | 33.80 | 7.8 | 26.0 | 0.07 |
| F17 | 23 May 2017 | 68 | 9.92 | 90.95 | 3.2 | 33.81 | 7.8 | 26.0 | 0.05 |
| F17 | 23 May 2017 | 69 | 9.90 | 90.91 | 3.2 | 33.82 | 7.8 | 26.0 | 0.05 |
| F17 | 23 May 2017 | 70 | 9.90 | 90.24 | 3.2 | 33.83 | 7.8 | 26.1 | 0.05 |
| F17 | 23 May 2017 | 71 | 9.90 | 89.52 | 3.2 | 33.84 | 7.8 | 26.1 | 0.04 |
| F17 | 23 May 2017 | 72 | 9.90 | 89.00 | 3.2 | 33.84 | 7.8 | 26.1 | 0.05 |
| F17 | 23 May 2017 | 73 | 9.89 | 88.68 | 3.2 | 33.84 | 7.8 | 26.1 | 0.04 |
| F17 | 23 May 2017 | 74 | 9.88 | 88.34 | 3.2 | 33.85 | 7.8 | 26.1 | 0.05 |
| F17 | 23 May 2017 | 75 | 9.84 | 88.48 | 3.2 | 33.88 | 7.8 | 26.1 | 0.06 |
| F17 | 23 May 2017 | 76 | 9.80 | 88.74 | 3.1 | 33.90 | 7.8 | 26.1 | 0.05 |
| F17 | 23 May 2017 | 77 | 9.78 | 88.66 | 3.1 | 33.90 | 7.7 | 26.1 | 0.06 |
| F17 | 23 May 2017 | 78 | 9.77 | 86.88 | 3.1 | 33.91 | 7.7 | 26.1 | 0.05 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F17 | 23 May 2017 | 79 | 9.76 | 85.03 | 3.0 | 33.91 | 7.7 | 26.1 | 0.05 |
| F17 | 23 May 2017 | 80 | 9.76 | 83.86 | 3.0 | 33.91 | 7.7 | 26.1 | 0.04 |
| F17 | 23 May 2017 | 81 | 9.76 | 82.91 | 3.0 | 33.91 | 7.7 | 26.1 | 0.05 |
| | | | | | | | | | |
| F18 | 23 May 2017 | 1 | 17.09 | 79.04 | 8.5 | 33.49 | 8.2 | 24.3 | 1.26 |
| F18 | 23 May 2017 | 2 | 17.08 | 78.95 | 8.5 | 33.49 | 8.2 | 24.3 | 1.28 |
| F18 | 23 May 2017 | 3 | 16.57 | 79.08 | 8.5 | 33.56 | 8.2 | 24.5 | 1.34 |
| F18 | 23 May 2017 | 4 | 15.32 | 78.24 | 9.0 | 33.58 | 8.2 | 24.8 | 1.55 |
| F18 | 23 May 2017 | 5 | 14.66 | 77.19 | 9.0 | 33.56 | 8.2 | 24.9 | 1.87 |
| F18 | 23 May 2017 | 6 | 14.02 | 73.87 | 8.6 | 33.65 | 8.2 | 25.1 | 1.95 |
| F18 | 23 May 2017 | 7 | 12.94 | 67.33 | 8.3 | 33.65 | 8.1 | 25.4 | 2.92 |
| F18 | 23 May 2017 | 8 | 12.70 | 63.84 | 7.8 | 33.57 | 8.1 | 25.3 | 4.60 |
| F18 | 23 May 2017 | 9 | 12.40 | 63.40 | 7.4 | 33.55 | 8.1 | 25.4 | 7.00 |
| F18 | 23 May 2017 | 10 | 12.29 | 62.59 | 7.2 | 33.54 | 8.1 | 25.4 | 10.66 |
| F18 | 23 May 2017 | 11 | 12.04 | 60.45 | 7.0 | 33.57 | 8.1 | 25.5 | 13.06 |
| F18 | 23 May 2017 | 12 | 11.84 | 55.08 | 6.8 | 33.56 | 8.0 | 25.5 | 16.29 |
| F18 | 23 May 2017 | 13 | 11.65 | 54.52 | 6.4 | 33.55 | 8.0 | 25.5 | 21.10 |
| F18 | 23 May 2017 | 14 | 11.59 | 65.51 | 5.9 | 33.54 | 8.0 | 25.5 | 22.37 |
| F18 | 23 May 2017 | 15 | 11.65 | 73.07 | 5.7 | 33.53 | 8.0 | 25.5 | 19.65 |
| F18 | 23 May 2017 | 16 | 11.50 | 74.88 | 5.6 | 33.54 | 7.9 | 25.5 | 16.34 |
| F18 | 23 May 2017 | 17 | 11.38 | 77.73 | 5.3 | 33.56 | 7.9 | 25.6 | 15.19 |
| F18 | 23 May 2017 | 18 | 11.28 | 82.30 | 5.1 | 33.57 | 7.9 | 25.6 | 10.99 |
| F18 | 23 May 2017 | 19 | 11.16 | 86.89 | 4.8 | 33.56 | 7.9 | 25.6 | 8.02 |
| F18 | 23 May 2017 | 20 | 11.09 | 88.77 | 4.7 | 33.57 | 7.9 | 25.6 | 6.30 |
| F18 | 23 May 2017 | 21 | 11.03 | 89.75 | 4.6 | 33.57 | 7.9 | 25.7 | 3.92 |
| F18 | 23 May 2017 | 22 | 10.94 | 90.62 | 4.6 | 33.59 | 7.9 | 25.7 | 3.09 |
| F18 | 23 May 2017 | 23 | 10.91 | 91.12 | 4.5 | 33.58 | 7.9 | 25.7 | 2.45 |
| F18 | 23 May 2017 | 24 | 10.86 | 91.38 | 4.5 | 33.58 | 7.9 | 25.7 | 1.83 |
| F18 | 23 May 2017 | 25 | 10.85 | 91.44 | 4.5 | 33.58 | 7.9 | 25.7 | 1.54 |
| F18 | 23 May 2017 | 26 | 10.83 | 91.55 | 4.4 | 33.59 | 7.9 | 25.7 | 1.14 |
| F18 | 23 May 2017 | 27 | 10.77 | 91.59 | 4.4 | 33.60 | 7.9 | 25.7 | 1.17 |
| F18 | 23 May 2017 | 28 | 10.74 | 91.52 | 4.3 | 33.60 | 7.9 | 25.7 | 1.02 |
| F18 | 23 May 2017 | 29 | 10.73 | 91.59 | 4.3 | 33.61 | 7.8 | 25.7 | 1.02 |
| F18 | 23 May 2017 | 30 | 10.72 | 91.46 | 4.3 | 33.60 | 7.8 | 25.7 | 1.12 |
| F18 | 23 May 2017 | 31 | 10.71 | 91.60 | 4.3 | 33.61 | 7.8 | 25.7 | 1.11 |
| F18 | 23 May 2017 | 32 | 10.66 | 91.65 | 4.3 | 33.62 | 7.8 | 25.8 | 1.05 |
| F18 | 23 May 2017 | 33 | 10.57 | 91.79 | 4.2 | 33.64 | 7.8 | 25.8 | 1.01 |
| F18 | 23 May 2017 | 34 | 10.54 | 92.09 | 4.1 | 33.64 | 7.8 | 25.8 | 1.14 |
| F18 | 23 May 2017 | 35 | 10.52 | 92.12 | 4.0 | 33.65 | 7.8 | 25.8 | 0.92 |
| F18 | 23 May 2017 | 36 | 10.50 | 91.98 | 4.0 | 33.65 | 7.8 | 25.8 | 0.76 |
| F18 | 23 May 2017 | 37 | 10.47 | 91.88 | 4.0 | 33.66 | 7.8 | 25.8 | 0.63 |
| F18 | 23 May 2017 | 38 | 10.45 | 91.65 | 3.9 | 33.67 | 7.8 | 25.8 | 0.63 |
| F18 | 23 May 2017 | 39 | 10.44 | 91.52 | 3.8 | 33.67 | 7.8 | 25.8 | 0.52 |
| F18 | 23 May 2017 | 40 | 10.44 | 91.52 | 3.8 | 33.67 | 7.8 | 25.8 | 0.62 |
| F18 | 23 May 2017 | 41 | 10.43 | 91.36 | 3.8 | 33.67 | 7.8 | 25.8 | 0.55 |
| F18 | 23 May 2017 | 42 | 10.42 | 91.36 | 3.7 | 33.68 | 7.8 | 25.8 | 0.43 |
| F18 | 23 May 2017 | 43 | 10.37 | 91.27 | 3.7 | 33.70 | 7.8 | 25.9 | 0.45 |
| F18 | 23 May 2017 | 44 | 10.31 | 91.12 | 3.6 | 33.70 | 7.8 | 25.9 | 0.56 |
| F18 | 23 May 2017 | 45 | 10.24 | 91.31 | 3.5 | 33.71 | 7.8 | 25.9 | 0.46 |
| F18 | 23 May 2017 | 46 | 10.22 | 91.39 | 3.5 | 33.71 | 7.8 | 25.9 | 0.40 |
| F18 | 23 May 2017 | 47 | 10.21 | 91.38 | 3.6 | 33.72 | 7.8 | 25.9 | 0.33 |
| F18 | 23 May 2017 | 48 | 10.19 | 91.41 | 3.6 | 33.72 | 7.8 | 25.9 | 0.27 |
| F18 | 23 May 2017 | 49 | 10.15 | 91.59 | 3.6 | 33.73 | 7.8 | 25.9 | 0.25 |
| F18 | 23 May 2017 | 50 | 10.12 | 91.67 | 3.6 | 33.73 | 7.8 | 25.9 | 0.22 |
| F18 | 23 May 2017 | 51 | 10.07 | 91.77 | 3.6 | 33.74 | 7.8 | 26.0 | 0.20 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F18 | 23 May 2017 | 52 | 10.01 | 91.44 | 3.6 | 33.74 | 7.8 | 26.0 | 0.19 |
| F18 | 23 May 2017 | 53 | 9.98 | 90.92 | 3.5 | 33.74 | 7.8 | 26.0 | 0.17 |
| F18 | 23 May 2017 | 54 | 9.98 | 90.74 | 3.5 | 33.74 | 7.8 | 26.0 | 0.13 |
| F18 | 23 May 2017 | 55 | 9.97 | 90.71 | 3.5 | 33.74 | 7.8 | 26.0 | 0.12 |
| F18 | 23 May 2017 | 56 | 9.95 | 90.65 | 3.5 | 33.74 | 7.8 | 26.0 | 0.10 |
| F18 | 23 May 2017 | 57 | 9.94 | 90.69 | 3.5 | 33.75 | 7.8 | 26.0 | 0.11 |
| F18 | 23 May 2017 | 58 | 9.86 | 89.61 | 3.4 | 33.76 | 7.8 | 26.0 | 0.10 |
| F18 | 23 May 2017 | 59 | 9.85 | 88.47 | 3.2 | 33.75 | 7.8 | 26.0 | 0.09 |
| F18 | 23 May 2017 | 60 | 9.84 | 88.69 | 3.1 | 33.76 | 7.8 | 26.0 | 0.09 |
| F18 | 23 May 2017 | 61 | 9.78 | 88.02 | 3.0 | 33.76 | 7.7 | 26.0 | 0.07 |
| F18 | 23 May 2017 | 62 | 9.77 | 87.08 | 2.9 | 33.76 | 7.7 | 26.0 | 0.08 |
| F18 | 23 May 2017 | 63 | 9.77 | 87.16 | 2.8 | 33.76 | 7.7 | 26.0 | 0.09 |
| F18 | 23 May 2017 | 64 | 9.77 | 87.39 | 2.8 | 33.77 | 7.7 | 26.0 | 0.08 |
| F18 | 23 May 2017 | 65 | 9.77 | 87.86 | 2.8 | 33.78 | 7.7 | 26.0 | 0.06 |
| F18 | 23 May 2017 | 66 | 9.78 | 88.54 | 2.9 | 33.78 | 7.7 | 26.0 | 0.06 |
| F18 | 23 May 2017 | 67 | 9.77 | 88.64 | 2.9 | 33.79 | 7.7 | 26.0 | 0.06 |
| F18 | 23 May 2017 | 68 | 9.76 | 88.69 | 2.9 | 33.79 | 7.7 | 26.0 | 0.05 |
| F18 | 23 May 2017 | 69 | 9.76 | 88.96 | 2.9 | 33.79 | 7.7 | 26.0 | 0.05 |
| F18 | 23 May 2017 | 70 | 9.76 | 89.27 | 2.9 | 33.80 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 71 | 9.77 | 89.63 | 2.9 | 33.82 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 72 | 9.77 | 89.74 | 3.0 | 33.83 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 73 | 9.77 | 88.87 | 3.0 | 33.84 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 74 | 9.76 | 89.25 | 3.0 | 33.85 | 7.7 | 26.1 | 0.04 |
| F18 | 23 May 2017 | 75 | 9.77 | 88.75 | 3.0 | 33.87 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 76 | 9.77 | 86.89 | 3.0 | 33.88 | 7.7 | 26.1 | 0.04 |
| F18 | 23 May 2017 | 77 | 9.77 | 85.89 | 3.1 | 33.88 | 7.7 | 26.1 | 0.05 |
| F18 | 23 May 2017 | 78 | 9.77 | 85.03 | 3.0 | 33.89 | 7.7 | 26.1 | 0.06 |
| F18 | 23 May 2017 | 79 | 9.77 | 83.86 | 3.0 | 33.89 | 7.7 | 26.1 | 0.04 |
| F18 | 23 May 2017 | 80 | 9.77 | 83.59 | 3.0 | 33.89 | 7.7 | 26.1 | 0.06 |
| F18 | 23 May 2017 | 81 | 9.76 | 82.89 | 3.0 | 33.89 | 7.7 | 26.1 | 0.05 |
| | | | | | | | | | |
| F19 | 23 May 2017 | 1 | 16.47 | 74.98 | 8.5 | 33.50 | 8.2 | 24.5 | 1.95 |
| F19 | 23 May 2017 | 2 | 15.40 | 76.20 | 8.5 | 33.70 | 8.2 | 24.9 | 1.88 |
| F19 | 23 May 2017 | 3 | 13.86 | 75.53 | 8.8 | 33.63 | 8.2 | 25.2 | 2.10 |
| F19 | 23 May 2017 | 4 | 13.39 | 75.29 | 9.1 | 33.50 | 8.2 | 25.2 | 2.82 |
| F19 | 23 May 2017 | 5 | 13.28 | 73.68 | 9.1 | 33.47 | 8.2 | 25.1 | 3.83 |
| F19 | 23 May 2017 | 6 | 13.15 | 74.86 | 9.1 | 33.46 | 8.2 | 25.2 | 4.96 |
| F19 | 23 May 2017 | 7 | 13.02 | 76.14 | 9.1 | 33.45 | 8.2 | 25.2 | 5.04 |
| F19 | 23 May 2017 | 8 | 12.82 | 76.22 | 8.9 | 33.46 | 8.2 | 25.2 | 5.55 |
| F19 | 23 May 2017 | 9 | 12.68 | 74.32 | 8.8 | 33.45 | 8.2 | 25.3 | 6.34 |
| F19 | 23 May 2017 | 10 | 12.66 | 71.59 | 8.8 | 33.46 | 8.2 | 25.3 | 8.66 |
| F19 | 23 May 2017 | 11 | 12.40 | 68.05 | 8.4 | 33.53 | 8.2 | 25.4 | 10.98 |
| F19 | 23 May 2017 | 12 | 12.02 | 59.77 | 7.3 | 33.53 | 8.1 | 25.4 | 14.44 |
| F19 | 23 May 2017 | 13 | 12.07 | 59.99 | 6.6 | 33.51 | 8.0 | 25.4 | 21.46 |
| F19 | 23 May 2017 | 14 | 11.79 | 63.36 | 6.2 | 33.56 | 8.0 | 25.5 | 23.84 |
| F19 | 23 May 2017 | 15 | 11.57 | 70.19 | 5.6 | 33.55 | 7.9 | 25.5 | 22.30 |
| F19 | 23 May 2017 | 16 | 11.53 | 78.11 | 5.3 | 33.55 | 7.9 | 25.5 | 16.60 |
| F19 | 23 May 2017 | 17 | 11.31 | 81.86 | 5.0 | 33.56 | 7.9 | 25.6 | 12.50 |
| F19 | 23 May 2017 | 18 | 11.17 | 84.90 | 4.8 | 33.55 | 7.9 | 25.6 | 10.03 |
| F19 | 23 May 2017 | 19 | 11.20 | 87.89 | 4.8 | 33.55 | 7.9 | 25.6 | 5.49 |
| F19 | 23 May 2017 | 20 | 11.11 | 87.97 | 4.7 | 33.54 | 7.9 | 25.6 | 4.60 |
| F19 | 23 May 2017 | 21 | 11.11 | 87.84 | 4.7 | 33.54 | 7.9 | 25.6 | 4.17 |
| F19 | 23 May 2017 | 22 | 11.11 | 88.33 | 4.7 | 33.54 | 7.9 | 25.6 | 3.51 |
| F19 | 23 May 2017 | 23 | 11.06 | 88.74 | 4.7 | 33.55 | 7.9 | 25.6 | 2.39 |
| F19 | 23 May 2017 | 24 | 11.00 | 89.26 | 4.6 | 33.55 | 7.9 | 25.6 | 2.52 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F19 | 23 May 2017 | 25 | 10.97 | 89.96 | 4.6 | 33.55 | 7.9 | 25.7 | 2.23 |
| F19 | 23 May 2017 | 26 | 10.93 | 90.85 | 4.5 | 33.56 | 7.9 | 25.7 | 1.54 |
| F19 | 23 May 2017 | 27 | 10.91 | 91.30 | 4.5 | 33.56 | 7.9 | 25.7 | 1.55 |
| F19 | 23 May 2017 | 28 | 10.82 | 91.44 | 4.4 | 33.58 | 7.9 | 25.7 | 1.55 |
| F19 | 23 May 2017 | 29 | 10.78 | 91.47 | 4.4 | 33.58 | 7.9 | 25.7 | 1.37 |
| F19 | 23 May 2017 | 30 | 10.76 | 91.65 | 4.3 | 33.59 | 7.8 | 25.7 | 1.12 |
| F19 | 23 May 2017 | 31 | 10.67 | 91.66 | 4.3 | 33.60 | 7.8 | 25.7 | 0.94 |
| F19 | 23 May 2017 | 32 | 10.66 | 91.66 | 4.2 | 33.60 | 7.8 | 25.7 | 0.84 |
| F19 | 23 May 2017 | 33 | 10.66 | 91.80 | 4.2 | 33.60 | 7.8 | 25.7 | 0.89 |
| F19 | 23 May 2017 | 34 | 10.64 | 91.85 | 4.2 | 33.60 | 7.8 | 25.8 | 0.85 |
| F19 | 23 May 2017 | 35 | 10.65 | 91.87 | 4.2 | 33.60 | 7.8 | 25.7 | 0.81 |
| F19 | 23 May 2017 | 36 | 10.62 | 91.81 | 4.2 | 33.60 | 7.8 | 25.8 | 0.77 |
| F19 | 23 May 2017 | 37 | 10.61 | 91.77 | 4.1 | 33.61 | 7.8 | 25.8 | 0.85 |
| F19 | 23 May 2017 | 38 | 10.59 | 91.72 | 4.2 | 33.61 | 7.8 | 25.8 | 0.72 |
| F19 | 23 May 2017 | 39 | 10.54 | 91.58 | 4.1 | 33.63 | 7.8 | 25.8 | 0.70 |
| F19 | 23 May 2017 | 40 | 10.50 | 91.96 | 4.0 | 33.63 | 7.8 | 25.8 | 0.66 |
| F19 | 23 May 2017 | 41 | 10.45 | 92.47 | 4.0 | 33.65 | 7.8 | 25.8 | 0.66 |
| F19 | 23 May 2017 | 42 | 10.37 | 92.54 | 4.0 | 33.66 | 7.8 | 25.8 | 0.55 |
| F19 | 23 May 2017 | 43 | 10.36 | 92.54 | 4.0 | 33.66 | 7.8 | 25.8 | 0.44 |
| F19 | 23 May 2017 | 44 | 10.32 | 92.55 | 4.0 | 33.66 | 7.8 | 25.9 | 0.37 |
| F19 | 23 May 2017 | 45 | 10.32 | 92.48 | 4.0 | 33.67 | 7.8 | 25.9 | 0.32 |
| F19 | 23 May 2017 | 46 | 10.30 | 92.44 | 3.9 | 33.67 | 7.8 | 25.9 | 0.34 |
| F19 | 23 May 2017 | 47 | 10.29 | 92.42 | 3.9 | 33.67 | 7.8 | 25.9 | 0.27 |
| F19 | 23 May 2017 | 48 | 10.27 | 92.30 | 3.9 | 33.68 | 7.8 | 25.9 | 0.25 |
| F19 | 23 May 2017 | 49 | 10.23 | 92.17 | 3.8 | 33.70 | 7.8 | 25.9 | 0.25 |
| F19 | 23 May 2017 | 50 | 10.20 | 92.09 | 3.8 | 33.70 | 7.8 | 25.9 | 0.25 |
| F19 | 23 May 2017 | 51 | 10.14 | 92.33 | 3.8 | 33.71 | 7.8 | 25.9 | 0.22 |
| F19 | 23 May 2017 | 52 | 10.11 | 92.70 | 3.9 | 33.71 | 7.8 | 25.9 | 0.19 |
| F19 | 23 May 2017 | 53 | 10.10 | 92.70 | 3.9 | 33.71 | 7.8 | 25.9 | 0.19 |
| F19 | 23 May 2017 | 54 | 10.08 | 92.89 | 3.9 | 33.71 | 7.8 | 25.9 | 0.17 |
| F19 | 23 May 2017 | 55 | 10.06 | 93.00 | 3.9 | 33.71 | 7.8 | 25.9 | 0.15 |
| F19 | 23 May 2017 | 56 | 10.05 | 93.23 | 4.0 | 33.72 | 7.8 | 25.9 | 0.13 |
| F19 | 23 May 2017 | 57 | 10.00 | 93.26 | 4.0 | 33.73 | 7.8 | 26.0 | 0.13 |
| F19 | 23 May 2017 | 58 | 9.97 | 93.22 | 3.9 | 33.74 | 7.8 | 26.0 | 0.12 |
| F19 | 23 May 2017 | 59 | 9.93 | 91.69 | 3.7 | 33.74 | 7.8 | 26.0 | 0.10 |
| F19 | 23 May 2017 | 60 | 9.91 | 89.75 | 3.4 | 33.74 | 7.8 | 26.0 | 0.09 |
| F19 | 23 May 2017 | 61 | 9.88 | 88.53 | 3.2 | 33.74 | 7.7 | 26.0 | 0.14 |
| F19 | 23 May 2017 | 62 | 9.88 | 88.20 | 3.1 | 33.74 | 7.7 | 26.0 | 0.10 |
| F19 | 23 May 2017 | 63 | 9.87 | 88.07 | 3.1 | 33.74 | 7.7 | 26.0 | 0.08 |
| F19 | 23 May 2017 | 64 | 9.87 | 87.66 | 3.0 | 33.74 | 7.7 | 26.0 | 0.07 |
| F19 | 23 May 2017 | 65 | 9.84 | 87.75 | 3.0 | 33.75 | 7.7 | 26.0 | 0.06 |
| F19 | 23 May 2017 | 66 | 9.82 | 87.66 | 2.9 | 33.75 | 7.7 | 26.0 | 0.06 |
| F19 | 23 May 2017 | 67 | 9.82 | 86.59 | 2.8 | 33.75 | 7.7 | 26.0 | 0.10 |
| F19 | 23 May 2017 | 68 | 9.83 | 87.66 | 2.9 | 33.75 | 7.7 | 26.0 | 0.08 |
| F19 | 23 May 2017 | 69 | 9.82 | 87.86 | 2.9 | 33.76 | 7.7 | 26.0 | 0.06 |
| F19 | 23 May 2017 | 70 | 9.79 | 87.27 | 2.8 | 33.75 | 7.7 | 26.0 | 0.05 |
| F19 | 23 May 2017 | 71 | 9.80 | 87.17 | 2.8 | 33.76 | 7.7 | 26.0 | 0.05 |
| F19 | 23 May 2017 | 72 | 9.79 | 87.96 | 2.8 | 33.77 | 7.7 | 26.0 | 0.05 |
| F19 | 23 May 2017 | 73 | 9.79 | 88.62 | 2.9 | 33.78 | 7.7 | 26.0 | 0.05 |
| F19 | 23 May 2017 | 74 | 9.79 | 88.49 | 2.9 | 33.80 | 7.7 | 26.0 | 0.05 |
| F19 | 23 May 2017 | 75 | 9.78 | 88.18 | 3.0 | 33.79 | 7.7 | 26.0 | 0.06 |
| F19 | 23 May 2017 | 76 | 9.75 | 88.33 | 3.0 | 33.83 | 7.7 | 26.1 | 0.06 |
| F19 | 23 May 2017 | 77 | 9.72 | 88.95 | 3.0 | 33.86 | 7.7 | 26.1 | 0.05 |
| F19 | 23 May 2017 | 78 | 9.72 | 89.51 | 3.0 | 33.89 | 7.7 | 26.1 | 0.05 |
| F19 | 23 May 2017 | 79 | 9.72 | 89.52 | 3.0 | 33.90 | 7.7 | 26.1 | 0.05 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F19 | 23 May 2017 | 80 | 9.71 | 89.99 | 3.0 | 33.91 | 7.7 | 26.1 | 0.06 |
| F19 | 23 May 2017 | 81 | 9.69 | 90.22 | 3.0 | 33.93 | 7.7 | 26.2 | 0.10 |
| F19 | 23 May 2017 | 82 | 9.68 | 89.42 | 2.9 | 33.94 | 7.7 | 26.2 | 0.04 |
| | | | | | | | | | |
| F20 | 23 May 2017 | 1 | 17.86 | 80.13 | 8.6 | 33.48 | 8.3 | 24.1 | 0.77 |
| F20 | 23 May 2017 | 2 | 17.86 | 80.32 | 8.6 | 33.48 | 8.3 | 24.1 | 0.77 |
| F20 | 23 May 2017 | 3 | 17.45 | 80.32 | 8.6 | 33.57 | 8.3 | 24.3 | 0.80 |
| F20 | 23 May 2017 | 4 | 16.41 | 80.81 | 8.6 | 33.59 | 8.2 | 24.6 | 0.80 |
| F20 | 23 May 2017 | 5 | 15.66 | 79.13 | 8.0 | 33.68 | 8.2 | 24.8 | 1.04 |
| F20 | 23 May 2017 | 6 | 14.70 | 76.34 | 8.2 | 33.55 | 8.2 | 24.9 | 2.25 |
| F20 | 23 May 2017 | 7 | 13.57 | 76.95 | 8.6 | 33.60 | 8.2 | 25.2 | 3.49 |
| F20 | 23 May 2017 | 8 | 13.50 | 77.69 | 8.9 | 33.42 | 8.2 | 25.1 | 4.07 |
| F20 | 23 May 2017 | 9 | 13.22 | 77.83 | 8.7 | 33.48 | 8.2 | 25.2 | 4.57 |
| F20 | 23 May 2017 | 10 | 12.96 | 77.07 | 8.4 | 33.44 | 8.2 | 25.2 | 5.27 |
| F20 | 23 May 2017 | 11 | 12.75 | 77.98 | 8.0 | 33.45 | 8.2 | 25.2 | 6.57 |
| F20 | 23 May 2017 | 12 | 12.47 | 81.20 | 7.9 | 33.44 | 8.1 | 25.3 | 6.66 |
| F20 | 23 May 2017 | 13 | 12.34 | 80.47 | 7.9 | 33.48 | 8.1 | 25.3 | 6.68 |
| F20 | 23 May 2017 | 14 | 12.15 | 75.51 | 7.7 | 33.47 | 8.1 | 25.4 | 7.20 |
| F20 | 23 May 2017 | 15 | 11.78 | 66.83 | 6.8 | 33.57 | 8.0 | 25.5 | 15.11 |
| F20 | 23 May 2017 | 16 | 11.81 | 74.79 | 6.0 | 33.52 | 8.0 | 25.5 | 16.76 |
| F20 | 23 May 2017 | 17 | 11.40 | 81.58 | 5.5 | 33.59 | 7.9 | 25.6 | 14.21 |
| F20 | 23 May 2017 | 18 | 11.13 | 85.46 | 5.0 | 33.58 | 7.9 | 25.6 | 12.09 |
| F20 | 23 May 2017 | 19 | 11.07 | 88.76 | 4.8 | 33.56 | 7.9 | 25.6 | 6.93 |
| F20 | 23 May 2017 | 20 | 11.03 | 89.60 | 4.8 | 33.56 | 7.9 | 25.6 | 4.25 |
| F20 | 23 May 2017 | 21 | 11.00 | 89.84 | 4.7 | 33.57 | 7.9 | 25.7 | 2.69 |
| F20 | 23 May 2017 | 22 | 10.92 | 90.12 | 4.7 | 33.58 | 7.9 | 25.7 | 2.13 |
| F20 | 23 May 2017 | 23 | 10.89 | 90.67 | 4.6 | 33.58 | 7.9 | 25.7 | 1.74 |
| F20 | 23 May 2017 | 24 | 10.87 | 91.22 | 4.5 | 33.58 | 7.9 | 25.7 | 2.47 |
| F20 | 23 May 2017 | 25 | 10.79 | 91.26 | 4.4 | 33.60 | 7.9 | 25.7 | 1.49 |
| F20 | 23 May 2017 | 26 | 10.75 | 91.41 | 4.4 | 33.60 | 7.9 | 25.7 | 1.38 |
| F20 | 23 May 2017 | 27 | 10.75 | 91.40 | 4.3 | 33.60 | 7.9 | 25.7 | 1.17 |
| F20 | 23 May 2017 | 28 | 10.72 | 91.40 | 4.3 | 33.60 | 7.9 | 25.7 | 0.89 |
| F20 | 23 May 2017 | 29 | 10.67 | 91.38 | 4.2 | 33.62 | 7.8 | 25.8 | 0.89 |
| F20 | 23 May 2017 | 30 | 10.64 | 91.37 | 4.1 | 33.62 | 7.8 | 25.8 | 0.86 |
| F20 | 23 May 2017 | 31 | 10.58 | 91.48 | 4.1 | 33.64 | 7.8 | 25.8 | 0.90 |
| F20 | 23 May 2017 | 32 | 10.55 | 91.60 | 4.1 | 33.63 | 7.8 | 25.8 | 1.02 |
| F20 | 23 May 2017 | 33 | 10.54 | 91.68 | 4.0 | 33.64 | 7.8 | 25.8 | 0.79 |
| F20 | 23 May 2017 | 34 | 10.54 | 91.71 | 4.1 | 33.63 | 7.8 | 25.8 | 0.69 |
| F20 | 23 May 2017 | 35 | 10.52 | 91.66 | 4.0 | 33.63 | 7.8 | 25.8 | 0.67 |
| F20 | 23 May 2017 | 36 | 10.51 | 91.66 | 4.0 | 33.64 | 7.8 | 25.8 | 0.57 |
| F20 | 23 May 2017 | 37 | 10.47 | 91.85 | 4.0 | 33.65 | 7.8 | 25.8 | 0.58 |
| F20 | 23 May 2017 | 38 | 10.45 | 92.05 | 4.0 | 33.65 | 7.8 | 25.8 | 0.54 |
| F20 | 23 May 2017 | 39 | 10.36 | 92.34 | 4.0 | 33.67 | 7.8 | 25.9 | 0.53 |
| F20 | 23 May 2017 | 40 | 10.32 | 92.54 | 4.0 | 33.67 | 7.8 | 25.9 | 0.47 |
| F20 | 23 May 2017 | 41 | 10.34 | 92.75 | 4.0 | 33.67 | 7.8 | 25.9 | 0.39 |
| F20 | 23 May 2017 | 42 | 10.27 | 92.84 | 4.0 | 33.68 | 7.8 | 25.9 | 0.29 |
| F20 | 23 May 2017 | 43 | 10.24 | 92.58 | 4.0 | 33.69 | 7.8 | 25.9 | 0.29 |
| F20 | 23 May 2017 | 44 | 10.22 | 92.78 | 4.0 | 33.70 | 7.8 | 25.9 | 0.24 |
| F20 | 23 May 2017 | 45 | 10.18 | 92.78 | 3.9 | 33.70 | 7.8 | 25.9 | 0.23 |
| F20 | 23 May 2017 | 46 | 10.16 | 92.68 | 3.9 | 33.70 | 7.8 | 25.9 | 0.20 |
| F20 | 23 May 2017 | 47 | 10.12 | 92.79 | 3.9 | 33.71 | 7.8 | 25.9 | 0.18 |
| F20 | 23 May 2017 | 48 | 10.08 | 92.95 | 4.0 | 33.72 | 7.8 | 25.9 | 0.17 |
| F20 | 23 May 2017 | 49 | 10.05 | 93.16 | 4.0 | 33.72 | 7.8 | 25.9 | 0.15 |
| F20 | 23 May 2017 | 50 | 10.02 | 93.29 | 4.0 | 33.73 | 7.8 | 26.0 | 0.12 |
| F20 | 23 May 2017 | 51 | 10.01 | 93.34 | 4.0 | 33.73 | 7.8 | 26.0 | 0.12 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F20 | 23 May 2017 | 52 | 9.99 | 93.32 | 4.0 | 33.74 | 7.8 | 26.0 | 0.10 |
| F20 | 23 May 2017 | 53 | 9.99 | 93.16 | 3.9 | 33.74 | 7.8 | 26.0 | 0.09 |
| F20 | 23 May 2017 | 54 | 9.97 | 93.13 | 3.9 | 33.75 | 7.8 | 26.0 | 0.09 |
| F20 | 23 May 2017 | 55 | 9.97 | 93.24 | 3.9 | 33.75 | 7.8 | 26.0 | 0.08 |
| F20 | 23 May 2017 | 56 | 9.97 | 93.16 | 3.9 | 33.75 | 7.8 | 26.0 | 0.09 |
| F20 | 23 May 2017 | 57 | 9.94 | 93.27 | 3.8 | 33.76 | 7.8 | 26.0 | 0.09 |
| F20 | 23 May 2017 | 58 | 9.94 | 93.25 | 3.8 | 33.76 | 7.8 | 26.0 | 0.08 |
| F20 | 23 May 2017 | 59 | 9.93 | 93.25 | 3.8 | 33.76 | 7.8 | 26.0 | 0.08 |
| F20 | 23 May 2017 | 60 | 9.91 | 93.16 | 3.8 | 33.77 | 7.8 | 26.0 | 0.07 |
| F20 | 23 May 2017 | 61 | 9.89 | 92.77 | 3.8 | 33.77 | 7.8 | 26.0 | 0.07 |
| F20 | 23 May 2017 | 62 | 9.88 | 92.60 | 3.7 | 33.77 | 7.8 | 26.0 | 0.08 |
| F20 | 23 May 2017 | 63 | 9.89 | 92.59 | 3.7 | 33.77 | 7.8 | 26.0 | 0.07 |
| F20 | 23 May 2017 | 64 | 9.87 | 92.50 | 3.7 | 33.77 | 7.8 | 26.0 | 0.06 |
| F20 | 23 May 2017 | 65 | 9.87 | 92.63 | 3.6 | 33.78 | 7.8 | 26.0 | 0.07 |
| F20 | 23 May 2017 | 66 | 9.86 | 92.96 | 3.7 | 33.79 | 7.8 | 26.0 | 0.08 |
| F20 | 23 May 2017 | 67 | 9.85 | 92.98 | 3.7 | 33.80 | 7.8 | 26.0 | 0.05 |
| F20 | 23 May 2017 | 68 | 9.83 | 92.41 | 3.6 | 33.80 | 7.8 | 26.0 | 0.06 |
| F20 | 23 May 2017 | 69 | 9.83 | 91.83 | 3.5 | 33.80 | 7.8 | 26.0 | 0.05 |
| F20 | 23 May 2017 | 70 | 9.77 | 91.06 | 3.3 | 33.81 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 71 | 9.77 | 88.60 | 3.1 | 33.80 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 72 | 9.75 | 88.36 | 3.0 | 33.80 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 73 | 9.75 | 88.76 | 3.0 | 33.81 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 74 | 9.75 | 88.98 | 2.9 | 33.81 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 75 | 9.76 | 89.44 | 2.9 | 33.83 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 76 | 9.75 | 90.57 | 3.0 | 33.87 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 77 | 9.68 | 90.61 | 3.1 | 33.89 | 7.7 | 26.1 | 0.04 |
| F20 | 23 May 2017 | 78 | 9.64 | 90.69 | 3.1 | 33.90 | 7.7 | 26.2 | 0.03 |
| F20 | 23 May 2017 | 79 | 9.64 | 90.76 | 3.1 | 33.92 | 7.7 | 26.2 | 0.02 |
| F20 | 23 May 2017 | 80 | 9.65 | 90.11 | 3.0 | 33.93 | 7.7 | 26.2 | 0.03 |
| F20 | 23 May 2017 | 81 | 9.63 | 88.57 | 3.0 | 33.95 | 7.7 | 26.2 | 0.03 |
| F20 | 23 May 2017 | 82 | 9.62 | 87.79 | 3.0 | 33.96 | 7.7 | 26.2 | 0.03 |
| | | | | | | | | | |
| F21 | 23 May 2017 | 1 | 18.07 | 81.73 | 8.5 | 33.48 | 8.3 | 24.1 | 0.51 |
| F21 | 23 May 2017 | 2 | 17.77 | 81.98 | 8.5 | 33.55 | 8.3 | 24.2 | 0.53 |
| F21 | 23 May 2017 | 3 | 16.67 | 82.64 | 8.6 | 33.61 | 8.2 | 24.5 | 0.54 |
| F21 | 23 May 2017 | 4 | 15.81 | 84.74 | 8.7 | 33.49 | 8.2 | 24.6 | 0.46 |
| F21 | 23 May 2017 | 5 | 15.14 | 85.99 | 8.7 | 33.59 | 8.2 | 24.8 | 0.45 |
| F21 | 23 May 2017 | 6 | 13.93 | 86.54 | 8.8 | 33.52 | 8.2 | 25.1 | 0.43 |
| F21 | 23 May 2017 | 7 | 13.95 | 85.85 | 8.7 | 33.42 | 8.2 | 25.0 | 0.53 |
| F21 | 23 May 2017 | 8 | 13.30 | 83.74 | 8.6 | 33.48 | 8.2 | 25.2 | 0.76 |
| F21 | 23 May 2017 | 9 | 13.11 | 81.61 | 8.3 | 33.44 | 8.2 | 25.2 | 1.31 |
| F21 | 23 May 2017 | 10 | 12.92 | 84.23 | 8.1 | 33.41 | 8.1 | 25.2 | 1.89 |
| F21 | 23 May 2017 | 11 | 12.95 | 86.11 | 8.0 | 33.41 | 8.1 | 25.2 | 2.12 |
| F21 | 23 May 2017 | 12 | 12.85 | 86.82 | 7.9 | 33.42 | 8.1 | 25.2 | 2.11 |
| F21 | 23 May 2017 | 13 | 12.75 | 87.19 | 7.8 | 33.42 | 8.1 | 25.2 | 2.29 |
| F21 | 23 May 2017 | 14 | 12.57 | 87.55 | 7.8 | 33.45 | 8.1 | 25.3 | 2.19 |
| F21 | 23 May 2017 | 15 | 12.29 | 87.00 | 7.8 | 33.46 | 8.1 | 25.3 | 2.18 |
| F21 | 23 May 2017 | 16 | 12.10 | 84.02 | 7.7 | 33.45 | 8.1 | 25.4 | 3.60 |
| F21 | 23 May 2017 | 17 | 12.02 | 82.56 | 7.8 | 33.45 | 8.1 | 25.4 | 6.02 |
| F21 | 23 May 2017 | 18 | 11.87 | 83.10 | 7.6 | 33.48 | 8.1 | 25.4 | 6.61 |
| F21 | 23 May 2017 | 19 | 11.70 | 76.46 | 7.0 | 33.50 | 8.1 | 25.5 | 7.99 |
| F21 | 23 May 2017 | 20 | 11.61 | 72.51 | 6.3 | 33.52 | 8.0 | 25.5 | 13.25 |
| F21 | 23 May 2017 | 21 | 11.53 | 74.79 | 5.6 | 33.54 | 7.9 | 25.5 | 14.83 |
| F21 | 23 May 2017 | 22 | 11.27 | 80.21 | 5.1 | 33.59 | 7.9 | 25.6 | 12.85 |
| F21 | 23 May 2017 | 23 | 11.08 | 85.47 | 4.8 | 33.57 | 7.9 | 25.6 | 10.03 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F21 | 23 May 2017 | 24 | 11.02 | 88.52 | 4.7 | 33.56 | 7.9 | 25.7 | 6.86 |
| F21 | 23 May 2017 | 25 | 11.00 | 89.83 | 4.7 | 33.56 | 7.9 | 25.7 | 3.78 |
| F21 | 23 May 2017 | 26 | 10.94 | 90.50 | 4.7 | 33.57 | 7.9 | 25.7 | 3.16 |
| F21 | 23 May 2017 | 27 | 10.87 | 90.98 | 4.7 | 33.57 | 7.9 | 25.7 | 1.97 |
| F21 | 23 May 2017 | 28 | 10.85 | 91.33 | 4.6 | 33.57 | 7.9 | 25.7 | 1.84 |
| F21 | 23 May 2017 | 29 | 10.84 | 91.50 | 4.6 | 33.57 | 7.9 | 25.7 | 1.51 |
| F21 | 23 May 2017 | 30 | 10.80 | 91.44 | 4.5 | 33.59 | 7.9 | 25.7 | 1.21 |
| F21 | 23 May 2017 | 31 | 10.78 | 91.15 | 4.4 | 33.60 | 7.8 | 25.7 | 1.43 |
| F21 | 23 May 2017 | 32 | 10.76 | 90.91 | 4.2 | 33.60 | 7.8 | 25.7 | 0.98 |
| F21 | 23 May 2017 | 33 | 10.75 | 90.88 | 4.2 | 33.60 | 7.8 | 25.7 | 0.98 |
| F21 | 23 May 2017 | 34 | 10.64 | 91.02 | 4.2 | 33.64 | 7.8 | 25.8 | 1.12 |
| F21 | 23 May 2017 | 35 | 10.58 | 91.18 | 4.0 | 33.65 | 7.8 | 25.8 | 0.95 |
| F21 | 23 May 2017 | 36 | 10.54 | 90.85 | 3.9 | 33.65 | 7.8 | 25.8 | 1.03 |
| F21 | 23 May 2017 | 37 | 10.48 | 91.00 | 3.9 | 33.66 | 7.8 | 25.8 | 0.90 |
| F21 | 23 May 2017 | 38 | 10.45 | 91.32 | 3.9 | 33.66 | 7.8 | 25.8 | 0.85 |
| F21 | 23 May 2017 | 39 | 10.42 | 91.84 | 4.0 | 33.67 | 7.8 | 25.8 | 0.65 |
| F21 | 23 May 2017 | 40 | 10.37 | 92.10 | 4.0 | 33.67 | 7.8 | 25.8 | 0.54 |
| F21 | 23 May 2017 | 41 | 10.32 | 92.54 | 4.0 | 33.68 | 7.8 | 25.9 | 0.45 |
| F21 | 23 May 2017 | 42 | 10.28 | 92.57 | 4.0 | 33.69 | 7.8 | 25.9 | 0.35 |
| F21 | 23 May 2017 | 43 | 10.27 | 92.57 | 4.0 | 33.69 | 7.8 | 25.9 | 0.36 |
| F21 | 23 May 2017 | 44 | 10.25 | 92.50 | 4.0 | 33.70 | 7.8 | 25.9 | 0.27 |
| F21 | 23 May 2017 | 45 | 10.22 | 92.21 | 3.9 | 33.71 | 7.8 | 25.9 | 0.26 |
| F21 | 23 May 2017 | 46 | 10.20 | 92.13 | 3.8 | 33.71 | 7.8 | 25.9 | 0.22 |
| F21 | 23 May 2017 | 47 | 10.19 | 92.21 | 3.8 | 33.71 | 7.8 | 25.9 | 0.20 |
| F21 | 23 May 2017 | 48 | 10.16 | 92.25 | 3.8 | 33.72 | 7.8 | 25.9 | 0.19 |
| F21 | 23 May 2017 | 49 | 10.15 | 92.39 | 3.8 | 33.72 | 7.8 | 25.9 | 0.17 |
| F21 | 23 May 2017 | 50 | 10.14 | 92.09 | 3.8 | 33.73 | 7.8 | 25.9 | 0.22 |
| F21 | 23 May 2017 | 51 | 10.03 | 92.02 | 3.7 | 33.75 | 7.8 | 26.0 | 0.13 |
| F21 | 23 May 2017 | 52 | 10.02 | 92.97 | 3.8 | 33.74 | 7.8 | 26.0 | 0.13 |
| F21 | 23 May 2017 | 53 | 9.99 | 93.15 | 3.9 | 33.75 | 7.8 | 26.0 | 0.11 |
| F21 | 23 May 2017 | 54 | 9.96 | 93.11 | 3.9 | 33.76 | 7.8 | 26.0 | 0.11 |
| F21 | 23 May 2017 | 55 | 9.95 | 92.97 | 3.8 | 33.76 | 7.8 | 26.0 | 0.13 |
| F21 | 23 May 2017 | 56 | 9.95 | 93.01 | 3.8 | 33.76 | 7.8 | 26.0 | 0.14 |
| F21 | 23 May 2017 | 57 | 9.94 | 93.12 | 3.8 | 33.76 | 7.8 | 26.0 | 0.11 |
| F21 | 23 May 2017 | 58 | 9.93 | 93.13 | 3.8 | 33.77 | 7.8 | 26.0 | 0.09 |
| F21 | 23 May 2017 | 59 | 9.92 | 93.18 | 3.8 | 33.77 | 7.8 | 26.0 | 0.13 |
| F21 | 23 May 2017 | 60 | 9.91 | 93.17 | 3.8 | 33.77 | 7.8 | 26.0 | 0.14 |
| F21 | 23 May 2017 | 61 | 9.91 | 93.29 | 3.8 | 33.77 | 7.8 | 26.0 | 0.08 |
| F21 | 23 May 2017 | 62 | 9.89 | 93.31 | 3.8 | 33.78 | 7.8 | 26.0 | 0.06 |
| F21 | 23 May 2017 | 63 | 9.89 | 93.29 | 3.8 | 33.78 | 7.8 | 26.0 | 0.06 |
| F21 | 23 May 2017 | 64 | 9.89 | 93.26 | 3.8 | 33.78 | 7.8 | 26.0 | 0.08 |
| F21 | 23 May 2017 | 65 | 9.86 | 93.12 | 3.7 | 33.80 | 7.8 | 26.0 | 0.05 |
| F21 | 23 May 2017 | 66 | 9.85 | 92.32 | 3.6 | 33.80 | 7.8 | 26.0 | 0.09 |
| F21 | 23 May 2017 | 67 | 9.83 | 91.26 | 3.4 | 33.80 | 7.8 | 26.0 | 0.05 |
| F21 | 23 May 2017 | 68 | 9.83 | 90.89 | 3.3 | 33.80 | 7.8 | 26.0 | 0.04 |
| F21 | 23 May 2017 | 69 | 9.81 | 90.59 | 3.2 | 33.80 | 7.7 | 26.0 | 0.05 |
| F21 | 23 May 2017 | 70 | 9.81 | 90.53 | 3.1 | 33.80 | 7.7 | 26.0 | 0.05 |
| F21 | 23 May 2017 | 71 | 9.81 | 90.82 | 3.2 | 33.80 | 7.7 | 26.0 | 0.04 |
| F21 | 23 May 2017 | 72 | 9.81 | 90.77 | 3.2 | 33.81 | 7.7 | 26.1 | 0.04 |
| F21 | 23 May 2017 | 73 | 9.79 | 90.51 | 3.1 | 33.82 | 7.7 | 26.1 | 0.06 |
| F21 | 23 May 2017 | 74 | 9.77 | 90.76 | 3.1 | 33.83 | 7.7 | 26.1 | 0.05 |
| F21 | 23 May 2017 | 75 | 9.76 | 90.94 | 3.2 | 33.84 | 7.7 | 26.1 | 0.04 |
| F21 | 23 May 2017 | 76 | 9.74 | 90.96 | 3.2 | 33.85 | 7.7 | 26.1 | 0.04 |
| F21 | 23 May 2017 | 77 | 9.74 | 90.74 | 3.1 | 33.85 | 7.7 | 26.1 | 0.04 |
| F21 | 23 May 2017 | 78 | 9.73 | 90.69 | 3.1 | 33.85 | 7.7 | 26.1 | 0.09 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F21 | 23 May 2017 | 79 | 9.72 | 90.61 | 3.1 | 33.86 | 7.7 | 26.1 | 0.03 |
| F21 | 23 May 2017 | 80 | 9.71 | 90.34 | 3.1 | 33.88 | 7.7 | 26.1 | 0.03 |
| F21 | 23 May 2017 | 81 | 9.69 | 90.24 | 3.0 | 33.89 | 7.7 | 26.1 | 0.03 |
| F21 | 23 May 2017 | 82 | 9.66 | 88.97 | 3.0 | 33.92 | 7.7 | 26.2 | 0.03 |
| | | | | | | | | | |
| F22 | 23 May 2017 | 1 | 18.13 | 80.67 | 8.5 | 33.50 | 8.3 | 24.1 | 0.65 |
| F22 | 23 May 2017 | 2 | 18.12 | 80.63 | 8.5 | 33.50 | 8.3 | 24.1 | 0.68 |
| F22 | 23 May 2017 | 3 | 17.90 | 80.28 | 8.5 | 33.54 | 8.3 | 24.2 | 0.67 |
| F22 | 23 May 2017 | 4 | 16.52 | 80.59 | 8.7 | 33.68 | 8.2 | 24.6 | 0.77 |
| F22 | 23 May 2017 | 5 | 15.66 | 81.72 | 8.7 | 33.56 | 8.2 | 24.7 | 0.80 |
| F22 | 23 May 2017 | 6 | 14.90 | 83.77 | 8.7 | 33.55 | 8.2 | 24.9 | 0.78 |
| F22 | 23 May 2017 | 7 | 14.14 | 86.21 | 8.7 | 33.54 | 8.2 | 25.0 | 0.73 |
| F22 | 23 May 2017 | 8 | 13.64 | 85.85 | 8.5 | 33.48 | 8.2 | 25.1 | 0.72 |
| F22 | 23 May 2017 | 9 | 13.26 | 86.06 | 8.4 | 33.48 | 8.2 | 25.2 | 0.90 |
| F22 | 23 May 2017 | 10 | 13.06 | 86.32 | 8.2 | 33.42 | 8.2 | 25.2 | 1.14 |
| F22 | 23 May 2017 | 11 | 13.01 | 87.09 | 8.0 | 33.42 | 8.2 | 25.2 | 1.43 |
| F22 | 23 May 2017 | 12 | 12.99 | 87.63 | 8.1 | 33.41 | 8.2 | 25.2 | 1.61 |
| F22 | 23 May 2017 | 13 | 12.94 | 87.88 | 8.0 | 33.42 | 8.2 | 25.2 | 1.77 |
| F22 | 23 May 2017 | 14 | 12.86 | 88.12 | 7.9 | 33.42 | 8.2 | 25.2 | 1.71 |
| F22 | 23 May 2017 | 15 | 12.83 | 88.23 | 8.0 | 33.42 | 8.1 | 25.2 | 1.79 |
| F22 | 23 May 2017 | 16 | 12.72 | 88.21 | 7.9 | 33.45 | 8.1 | 25.2 | 1.93 |
| F22 | 23 May 2017 | 17 | 12.52 | 88.13 | 7.8 | 33.45 | 8.1 | 25.3 | 1.88 |
| F22 | 23 May 2017 | 18 | 12.36 | 87.98 | 7.8 | 33.46 | 8.1 | 25.3 | 2.02 |
| F22 | 23 May 2017 | 19 | 12.18 | 87.77 | 7.7 | 33.48 | 8.1 | 25.4 | 2.26 |
| F22 | 23 May 2017 | 20 | 11.97 | 86.49 | 7.5 | 33.48 | 8.1 | 25.4 | 2.45 |
| F22 | 23 May 2017 | 21 | 11.87 | 79.48 | 7.3 | 33.47 | 8.1 | 25.4 | 3.23 |
| F22 | 23 May 2017 | 22 | 11.83 | 70.70 | 7.2 | 33.47 | 8.1 | 25.4 | 9.62 |
| F22 | 23 May 2017 | 23 | 11.63 | 64.84 | 6.9 | 33.52 | 8.1 | 25.5 | 18.41 |
| F22 | 23 May 2017 | 24 | 11.41 | 59.63 | 6.4 | 33.53 | 8.0 | 25.6 | 27.68 |
| F22 | 23 May 2017 | 25 | 11.23 | 73.88 | 5.8 | 33.55 | 8.0 | 25.6 | 38.51 |
| F22 | 23 May 2017 | 26 | 11.15 | 80.96 | 5.4 | 33.56 | 7.9 | 25.6 | 37.06 |
| F22 | 23 May 2017 | 27 | 11.02 | 85.43 | 5.0 | 33.59 | 7.9 | 25.7 | 23.83 |
| F22 | 23 May 2017 | 28 | 10.99 | 89.18 | 4.7 | 33.58 | 7.9 | 25.7 | 12.79 |
| F22 | 23 May 2017 | 29 | 10.91 | 90.26 | 4.6 | 33.58 | 7.9 | 25.7 | 7.85 |
| F22 | 23 May 2017 | 30 | 10.86 | 90.79 | 4.6 | 33.58 | 7.9 | 25.7 | 5.30 |
| F22 | 23 May 2017 | 31 | 10.78 | 91.55 | 4.6 | 33.60 | 7.9 | 25.7 | 3.36 |
| F22 | 23 May 2017 | 32 | 10.74 | 91.70 | 4.5 | 33.61 | 7.9 | 25.7 | 2.31 |
| F22 | 23 May 2017 | 33 | 10.73 | 91.37 | 4.4 | 33.61 | 7.8 | 25.7 | 1.53 |
| F22 | 23 May 2017 | 34 | 10.70 | 90.87 | 4.2 | 33.62 | 7.8 | 25.8 | 1.40 |
| F22 | 23 May 2017 | 35 | 10.57 | 90.57 | 4.1 | 33.67 | 7.8 | 25.8 | 1.24 |
| F22 | 23 May 2017 | 36 | 10.51 | 90.83 | 4.0 | 33.67 | 7.8 | 25.8 | 1.16 |
| F22 | 23 May 2017 | 37 | 10.51 | 90.89 | 3.9 | 33.66 | 7.8 | 25.8 | 1.06 |
| F22 | 23 May 2017 | 38 | 10.50 | 90.76 | 3.8 | 33.66 | 7.8 | 25.8 | 0.93 |
| F22 | 23 May 2017 | 39 | 10.50 | 90.65 | 3.8 | 33.66 | 7.8 | 25.8 | 0.86 |
| F22 | 23 May 2017 | 40 | 10.49 | 90.66 | 3.8 | 33.67 | 7.8 | 25.8 | 0.72 |
| F22 | 23 May 2017 | 41 | 10.41 | 90.61 | 3.7 | 33.69 | 7.8 | 25.9 | 0.74 |
| F22 | 23 May 2017 | 42 | 10.31 | 91.24 | 3.8 | 33.71 | 7.8 | 25.9 | 0.71 |
| F22 | 23 May 2017 | 43 | 10.26 | 92.10 | 3.9 | 33.70 | 7.8 | 25.9 | 0.77 |
| F22 | 23 May 2017 | 44 | 10.22 | 92.43 | 4.0 | 33.72 | 7.8 | 25.9 | 0.59 |
| F22 | 23 May 2017 | 45 | 10.21 | 92.44 | 4.0 | 33.72 | 7.8 | 25.9 | 0.40 |
| F22 | 23 May 2017 | 46 | 10.19 | 92.10 | 3.9 | 33.72 | 7.8 | 25.9 | 0.36 |
| F22 | 23 May 2017 | 47 | 10.18 | 91.65 | 3.8 | 33.73 | 7.8 | 25.9 | 0.30 |
| F22 | 23 May 2017 | 48 | 10.17 | 91.36 | 3.6 | 33.74 | 7.8 | 25.9 | 0.24 |
| F22 | 23 May 2017 | 49 | 10.15 | 91.40 | 3.6 | 33.74 | 7.8 | 25.9 | 0.22 |
| F22 | 23 May 2017 | 50 | 10.13 | 91.39 | 3.6 | 33.74 | 7.8 | 25.9 | 0.19 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F22 | 23 May 2017 | 51 | 10.11 | 91.46 | 3.6 | 33.74 | 7.8 | 26.0 | 0.18 |
| F22 | 23 May 2017 | 52 | 10.08 | 91.37 | 3.6 | 33.76 | 7.8 | 26.0 | 0.16 |
| F22 | 23 May 2017 | 53 | 10.05 | 91.36 | 3.6 | 33.76 | 7.8 | 26.0 | 0.15 |
| F22 | 23 May 2017 | 54 | 10.02 | 91.43 | 3.6 | 33.77 | 7.8 | 26.0 | 0.13 |
| F22 | 23 May 2017 | 55 | 9.98 | 91.89 | 3.7 | 33.77 | 7.8 | 26.0 | 0.13 |
| F22 | 23 May 2017 | 56 | 9.96 | 92.57 | 3.8 | 33.77 | 7.8 | 26.0 | 0.10 |
| F22 | 23 May 2017 | 57 | 9.93 | 93.06 | 3.8 | 33.77 | 7.8 | 26.0 | 0.10 |
| F22 | 23 May 2017 | 58 | 9.93 | 93.08 | 3.8 | 33.77 | 7.8 | 26.0 | 0.11 |
| F22 | 23 May 2017 | 59 | 9.93 | 93.08 | 3.8 | 33.77 | 7.8 | 26.0 | 0.10 |
| F22 | 23 May 2017 | 60 | 9.92 | 93.09 | 3.8 | 33.78 | 7.8 | 26.0 | 0.08 |
| F22 | 23 May 2017 | 61 | 9.92 | 93.05 | 3.8 | 33.78 | 7.8 | 26.0 | 0.09 |
| F22 | 23 May 2017 | 62 | 9.89 | 92.92 | 3.8 | 33.79 | 7.8 | 26.0 | 0.08 |
| F22 | 23 May 2017 | 63 | 9.87 | 92.68 | 3.7 | 33.80 | 7.8 | 26.0 | 0.13 |
| F22 | 23 May 2017 | 64 | 9.85 | 92.71 | 3.7 | 33.81 | 7.8 | 26.0 | 0.09 |
| F22 | 23 May 2017 | 65 | 9.87 | 92.70 | 3.7 | 33.80 | 7.8 | 26.0 | 0.07 |
| F22 | 23 May 2017 | 66 | 9.85 | 92.61 | 3.6 | 33.81 | 7.8 | 26.0 | 0.07 |
| F22 | 23 May 2017 | 67 | 9.85 | 92.41 | 3.5 | 33.81 | 7.8 | 26.0 | 0.07 |
| F22 | 23 May 2017 | 68 | 9.84 | 91.36 | 3.4 | 33.82 | 7.8 | 26.1 | 0.06 |
| F22 | 23 May 2017 | 69 | 9.82 | 90.76 | 3.3 | 33.82 | 7.8 | 26.1 | 0.07 |
| F22 | 23 May 2017 | 70 | 9.78 | 90.74 | 3.2 | 33.83 | 7.8 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 71 | 9.76 | 90.62 | 3.2 | 33.83 | 7.7 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 72 | 9.75 | 90.54 | 3.1 | 33.85 | 7.7 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 73 | 9.74 | 90.62 | 3.1 | 33.86 | 7.8 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 74 | 9.72 | 90.71 | 3.1 | 33.88 | 7.8 | 26.1 | 0.04 |
| F22 | 23 May 2017 | 75 | 9.69 | 89.96 | 3.1 | 33.90 | 7.7 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 76 | 9.69 | 87.41 | 3.0 | 33.90 | 7.7 | 26.1 | 0.05 |
| F22 | 23 May 2017 | 77 | 9.68 | 86.19 | 3.0 | 33.91 | 7.7 | 26.2 | 0.05 |
| F22 | 23 May 2017 | 78 | 9.67 | 84.40 | 3.0 | 33.91 | 7.7 | 26.2 | 0.04 |
| F22 | 23 May 2017 | 79 | 9.67 | 82.26 | 3.0 | 33.91 | 7.7 | 26.2 | 0.04 |
| F22 | 23 May 2017 | 80 | 9.68 | 81.70 | 3.0 | 33.91 | 7.7 | 26.2 | 0.06 |
| F22 | 23 May 2017 | 81 | 9.68 | 81.13 | 3.0 | 33.91 | 7.7 | 26.2 | 0.05 |
| | | | | | | | | | |
| F23 | 23 May 2017 | 1 | 18.20 | 79.01 | 8.6 | 33.51 | 8.3 | 24.1 | 1.05 |
| F23 | 23 May 2017 | 2 | 17.81 | 78.86 | 8.5 | 33.59 | 8.3 | 24.2 | 1.06 |
| F23 | 23 May 2017 | 3 | 16.97 | 78.80 | 8.6 | 33.59 | 8.2 | 24.4 | 1.17 |
| F23 | 23 May 2017 | 4 | 15.59 | 78.75 | 8.6 | 33.66 | 8.2 | 24.8 | 1.50 |
| F23 | 23 May 2017 | 5 | 14.77 | 81.06 | 8.7 | 33.53 | 8.2 | 24.9 | 1.80 |
| F23 | 23 May 2017 | 6 | 14.42 | 83.32 | 8.7 | 33.50 | 8.2 | 24.9 | 1.79 |
| F23 | 23 May 2017 | 7 | 13.85 | 85.49 | 8.6 | 33.46 | 8.2 | 25.0 | 1.51 |
| F23 | 23 May 2017 | 8 | 13.92 | 85.86 | 8.6 | 33.38 | 8.2 | 25.0 | 1.34 |
| F23 | 23 May 2017 | 9 | 13.64 | 85.85 | 8.5 | 33.46 | 8.2 | 25.1 | 1.37 |
| F23 | 23 May 2017 | 10 | 13.56 | 87.21 | 8.4 | 33.41 | 8.2 | 25.0 | 1.44 |
| F23 | 23 May 2017 | 11 | 13.69 | 87.18 | 8.3 | 33.40 | 8.2 | 25.0 | 1.57 |
| F23 | 23 May 2017 | 12 | 13.45 | 87.74 | 8.3 | 33.43 | 8.2 | 25.1 | 1.50 |
| F23 | 23 May 2017 | 13 | 13.33 | 88.06 | 8.2 | 33.42 | 8.2 | 25.1 | 1.55 |
| F23 | 23 May 2017 | 14 | 13.23 | 88.37 | 8.2 | 33.42 | 8.2 | 25.1 | 1.54 |
| F23 | 23 May 2017 | 15 | 13.07 | 88.49 | 8.1 | 33.43 | 8.2 | 25.2 | 1.81 |
| F23 | 23 May 2017 | 16 | 12.88 | 88.59 | 8.1 | 33.43 | 8.2 | 25.2 | 1.89 |
| F23 | 23 May 2017 | 17 | 12.74 | 88.64 | 8.0 | 33.43 | 8.2 | 25.2 | 2.11 |
| F23 | 23 May 2017 | 18 | 12.59 | 88.43 | 8.1 | 33.43 | 8.2 | 25.3 | 2.18 |
| F23 | 23 May 2017 | 19 | 12.44 | 88.00 | 8.1 | 33.44 | 8.2 | 25.3 | 2.25 |
| F23 | 23 May 2017 | 20 | 12.37 | 87.30 | 8.1 | 33.43 | 8.2 | 25.3 | 2.34 |
| F23 | 23 May 2017 | 21 | 12.02 | 87.00 | 7.9 | 33.48 | 8.1 | 25.4 | 3.33 |
| F23 | 23 May 2017 | 22 | 11.85 | 85.81 | 7.6 | 33.47 | 8.1 | 25.4 | 3.26 |
| F23 | 23 May 2017 | 23 | 11.74 | 80.52 | 7.2 | 33.47 | 8.1 | 25.4 | 4.90 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F23 | 23 May 2017 | 24 | 11.58 | 69.07 | 6.4 | 33.48 | 8.0 | 25.5 | 15.30 |
| F23 | 23 May 2017 | 25 | 11.47 | 71.94 | 5.9 | 33.51 | 8.0 | 25.5 | 32.78 |
| F23 | 23 May 2017 | 26 | 11.27 | 81.05 | 5.5 | 33.53 | 7.9 | 25.6 | 28.05 |
| F23 | 23 May 2017 | 27 | 11.15 | 86.67 | 5.2 | 33.53 | 7.9 | 25.6 | 18.20 |
| F23 | 23 May 2017 | 28 | 11.10 | 90.47 | 5.1 | 33.54 | 7.9 | 25.6 | 8.01 |
| F23 | 23 May 2017 | 29 | 10.97 | 91.17 | 5.0 | 33.56 | 7.9 | 25.7 | 4.06 |
| F23 | 23 May 2017 | 30 | 10.89 | 91.67 | 4.8 | 33.57 | 7.9 | 25.7 | 2.92 |
| F23 | 23 May 2017 | 31 | 10.75 | 90.98 | 4.6 | 33.60 | 7.9 | 25.7 | 1.92 |
| F23 | 23 May 2017 | 32 | 10.71 | 91.69 | 4.5 | 33.60 | 7.9 | 25.7 | 1.36 |
| F23 | 23 May 2017 | 33 | 10.70 | 92.32 | 4.4 | 33.60 | 7.9 | 25.7 | 0.88 |
| F23 | 23 May 2017 | 34 | 10.67 | 92.25 | 4.4 | 33.60 | 7.8 | 25.7 | 1.10 |
| F23 | 23 May 2017 | 35 | 10.66 | 92.06 | 4.3 | 33.60 | 7.8 | 25.7 | 0.83 |
| F23 | 23 May 2017 | 36 | 10.61 | 92.05 | 4.3 | 33.62 | 7.8 | 25.8 | 0.80 |
| F23 | 23 May 2017 | 37 | 10.55 | 91.80 | 4.2 | 33.63 | 7.8 | 25.8 | 0.63 |
| F23 | 23 May 2017 | 38 | 10.52 | 91.61 | 4.1 | 33.64 | 7.8 | 25.8 | 0.71 |
| F23 | 23 May 2017 | 39 | 10.51 | 91.17 | 4.0 | 33.65 | 7.8 | 25.8 | 0.65 |
| F23 | 23 May 2017 | 40 | 10.44 | 91.03 | 3.9 | 33.66 | 7.8 | 25.8 | 0.60 |
| F23 | 23 May 2017 | 41 | 10.43 | 90.88 | 3.8 | 33.67 | 7.8 | 25.8 | 0.59 |
| F23 | 23 May 2017 | 42 | 10.41 | 90.83 | 3.7 | 33.67 | 7.8 | 25.8 | 0.54 |
| F23 | 23 May 2017 | 43 | 10.37 | 90.84 | 3.7 | 33.68 | 7.8 | 25.9 | 0.51 |
| F23 | 23 May 2017 | 44 | 10.34 | 91.01 | 3.7 | 33.69 | 7.8 | 25.9 | 0.47 |
| F23 | 23 May 2017 | 45 | 10.32 | 91.36 | 3.7 | 33.69 | 7.8 | 25.9 | 0.43 |
| F23 | 23 May 2017 | 46 | 10.24 | 91.75 | 3.8 | 33.70 | 7.8 | 25.9 | 0.35 |
| F23 | 23 May 2017 | 47 | 10.19 | 92.47 | 3.9 | 33.71 | 7.8 | 25.9 | 0.32 |
| F23 | 23 May 2017 | 48 | 10.17 | 92.45 | 3.9 | 33.71 | 7.8 | 25.9 | 0.26 |
| F23 | 23 May 2017 | 49 | 10.17 | 92.45 | 3.9 | 33.71 | 7.8 | 25.9 | 0.25 |
| F23 | 23 May 2017 | 50 | 10.17 | 92.42 | 3.9 | 33.71 | 7.8 | 25.9 | 0.18 |
| F23 | 23 May 2017 | 51 | 10.15 | 92.32 | 3.8 | 33.72 | 7.8 | 25.9 | 0.29 |
| F23 | 23 May 2017 | 52 | 10.15 | 92.13 | 3.8 | 33.72 | 7.8 | 25.9 | 0.17 |
| F23 | 23 May 2017 | 53 | 10.14 | 92.06 | 3.7 | 33.72 | 7.8 | 25.9 | 0.16 |
| F23 | 23 May 2017 | 54 | 10.13 | 91.91 | 3.7 | 33.72 | 7.8 | 25.9 | 0.14 |
| F23 | 23 May 2017 | 55 | 10.13 | 91.78 | 3.6 | 33.73 | 7.8 | 25.9 | 0.14 |
| F23 | 23 May 2017 | 56 | 10.09 | 91.50 | 3.6 | 33.74 | 7.8 | 26.0 | 0.16 |
| F23 | 23 May 2017 | 57 | 10.05 | 92.05 | 3.7 | 33.74 | 7.8 | 26.0 | 0.12 |
| F23 | 23 May 2017 | 58 | 10.04 | 92.17 | 3.7 | 33.74 | 7.8 | 26.0 | 0.12 |
| F23 | 23 May 2017 | 59 | 10.03 | 92.04 | 3.7 | 33.75 | 7.8 | 26.0 | 0.11 |
| F23 | 23 May 2017 | 60 | 10.01 | 91.88 | 3.7 | 33.76 | 7.8 | 26.0 | 0.11 |
| F23 | 23 May 2017 | 61 | 10.00 | 91.63 | 3.6 | 33.76 | 7.8 | 26.0 | 0.11 |
| F23 | 23 May 2017 | 62 | 10.00 | 91.73 | 3.6 | 33.76 | 7.8 | 26.0 | 0.10 |
| F23 | 23 May 2017 | 63 | 9.99 | 91.70 | 3.6 | 33.76 | 7.8 | 26.0 | 0.09 |
| F23 | 23 May 2017 | 64 | 9.99 | 91.75 | 3.6 | 33.76 | 7.8 | 26.0 | 0.08 |
| F23 | 23 May 2017 | 65 | 9.98 | 91.63 | 3.6 | 33.77 | 7.8 | 26.0 | 0.09 |
| F23 | 23 May 2017 | 66 | 9.97 | 91.53 | 3.6 | 33.77 | 7.8 | 26.0 | 0.08 |
| F23 | 23 May 2017 | 67 | 9.97 | 91.59 | 3.6 | 33.77 | 7.8 | 26.0 | 0.09 |
| F23 | 23 May 2017 | 68 | 9.93 | 91.61 | 3.6 | 33.78 | 7.8 | 26.0 | 0.08 |
| F23 | 23 May 2017 | 69 | 9.87 | 92.07 | 3.6 | 33.80 | 7.8 | 26.0 | 0.08 |
| F23 | 23 May 2017 | 70 | 9.86 | 92.49 | 3.6 | 33.80 | 7.8 | 26.0 | 0.06 |
| F23 | 23 May 2017 | 71 | 9.83 | 92.79 | 3.6 | 33.81 | 7.8 | 26.1 | 0.07 |
| F23 | 23 May 2017 | 72 | 9.80 | 92.90 | 3.6 | 33.83 | 7.8 | 26.1 | 0.08 |
| F23 | 23 May 2017 | 73 | 9.79 | 92.44 | 3.5 | 33.83 | 7.8 | 26.1 | 0.08 |
| F23 | 23 May 2017 | 74 | 9.76 | 91.55 | 3.4 | 33.85 | 7.8 | 26.1 | 0.05 |
| F23 | 23 May 2017 | 75 | 9.75 | 91.00 | 3.3 | 33.85 | 7.8 | 26.1 | 0.06 |
| F23 | 23 May 2017 | 76 | 9.74 | 90.83 | 3.3 | 33.86 | 7.7 | 26.1 | 0.06 |
| F23 | 23 May 2017 | 77 | 9.73 | 89.91 | 3.2 | 33.87 | 7.7 | 26.1 | 0.05 |
| F23 | 23 May 2017 | 78 | 9.73 | 89.52 | 3.2 | 33.88 | 7.7 | 26.1 | 0.06 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F23 | 23 May 2017 | 79 | 9.69 | 89.43 | 3.2 | 33.91 | 7.7 | 26.1 | 0.04 |
| F23 | 23 May 2017 | 80 | 9.67 | 88.40 | 3.1 | 33.92 | 7.7 | 26.2 | 0.05 |
| F23 | 23 May 2017 | 81 | 9.63 | 89.01 | 3.0 | 33.96 | 7.7 | 26.2 | 0.04 |
| F23 | 23 May 2017 | 82 | 9.62 | 88.44 | 3.0 | 33.97 | 7.7 | 26.2 | 0.04 |
| | | | | | | | | | |
| F24 | 23 May 2017 | 1 | 17.93 | 77.44 | 8.6 | 33.50 | 8.2 | 24.1 | 1.21 |
| F24 | 23 May 2017 | 2 | 17.91 | 77.80 | 8.5 | 33.49 | 8.2 | 24.1 | 1.26 |
| F24 | 23 May 2017 | 3 | 17.00 | 77.87 | 8.5 | 33.69 | 8.2 | 24.5 | 1.37 |
| F24 | 23 May 2017 | 4 | 15.55 | 77.80 | 8.6 | 33.61 | 8.2 | 24.8 | 1.49 |
| F24 | 23 May 2017 | 5 | 14.64 | 78.31 | 8.6 | 33.57 | 8.2 | 24.9 | 2.43 |
| F24 | 23 May 2017 | 6 | 14.23 | 81.90 | 8.6 | 33.47 | 8.2 | 25.0 | 2.58 |
| F24 | 23 May 2017 | 7 | 13.93 | 85.62 | 8.6 | 33.45 | 8.2 | 25.0 | 2.11 |
| F24 | 23 May 2017 | 8 | 13.63 | 86.42 | 8.4 | 33.44 | 8.2 | 25.1 | 1.73 |
| F24 | 23 May 2017 | 9 | 13.33 | 87.40 | 8.3 | 33.43 | 8.2 | 25.1 | 1.69 |
| F24 | 23 May 2017 | 10 | 13.27 | 87.48 | 8.2 | 33.41 | 8.2 | 25.1 | 1.78 |
| F24 | 23 May 2017 | 11 | 13.08 | 87.76 | 8.1 | 33.42 | 8.2 | 25.1 | 1.80 |
| F24 | 23 May 2017 | 12 | 12.95 | 87.83 | 8.1 | 33.41 | 8.1 | 25.2 | 1.81 |
| F24 | 23 May 2017 | 13 | 12.81 | 88.27 | 8.1 | 33.43 | 8.1 | 25.2 | 2.01 |
| F24 | 23 May 2017 | 14 | 12.55 | 88.21 | 8.0 | 33.45 | 8.1 | 25.3 | 2.08 |
| F24 | 23 May 2017 | 15 | 12.35 | 87.65 | 8.0 | 33.44 | 8.1 | 25.3 | 2.33 |
| F24 | 23 May 2017 | 16 | 12.10 | 85.15 | 7.9 | 33.46 | 8.1 | 25.4 | 3.90 |
| F24 | 23 May 2017 | 17 | 11.99 | 82.80 | 7.9 | 33.45 | 8.1 | 25.4 | 6.98 |
| F24 | 23 May 2017 | 18 | 11.68 | 83.23 | 7.3 | 33.48 | 8.1 | 25.5 | 10.39 |
| F24 | 23 May 2017 | 19 | 11.56 | 62.97 | 6.4 | 33.47 | 8.0 | 25.5 | 34.22 |
| F24 | 23 May 2017 | 20 | 11.49 | 37.05 | 5.7 | 33.48 | 7.9 | 25.5 | 58.96 |
| F24 | 23 May 2017 | 21 | 11.45 | 48.72 | 5.4 | 33.48 | 7.9 | 25.5 | 57.62 |
| F24 | 23 May 2017 | 22 | 11.42 | 67.70 | 5.4 | 33.48 | 7.9 | 25.5 | 36.52 |
| F24 | 23 May 2017 | 23 | 11.42 | 80.93 | 5.4 | 33.48 | 7.9 | 25.5 | 20.23 |
| F24 | 23 May 2017 | 24 | 11.37 | 84.33 | 5.3 | 33.49 | 7.9 | 25.5 | 13.18 |
| F24 | 23 May 2017 | 25 | 11.28 | 87.11 | 5.3 | 33.51 | 7.9 | 25.6 | 8.83 |
| F24 | 23 May 2017 | 26 | 11.19 | 89.80 | 5.2 | 33.52 | 7.9 | 25.6 | 4.86 |
| F24 | 23 May 2017 | 27 | 11.15 | 90.18 | 5.1 | 33.52 | 7.9 | 25.6 | 3.44 |
| F24 | 23 May 2017 | 28 | 11.09 | 91.28 | 5.1 | 33.53 | 7.9 | 25.6 | 3.19 |
| F24 | 23 May 2017 | 29 | 11.02 | 91.39 | 5.0 | 33.54 | 7.9 | 25.6 | 2.44 |
| F24 | 23 May 2017 | 30 | 10.97 | 91.67 | 5.0 | 33.54 | 7.9 | 25.6 | 2.20 |
| F24 | 23 May 2017 | 31 | 10.88 | 91.84 | 4.9 | 33.56 | 7.9 | 25.7 | 1.92 |
| F24 | 23 May 2017 | 32 | 10.82 | 92.11 | 4.8 | 33.57 | 7.9 | 25.7 | 1.60 |
| F24 | 23 May 2017 | 33 | 10.75 | 92.30 | 4.7 | 33.58 | 7.9 | 25.7 | 1.21 |
| F24 | 23 May 2017 | 34 | 10.68 | 92.25 | 4.5 | 33.59 | 7.8 | 25.7 | 1.13 |
| F24 | 23 May 2017 | 35 | 10.61 | 91.95 | 4.4 | 33.62 | 7.8 | 25.8 | 1.01 |
| F24 | 23 May 2017 | 36 | 10.57 | 92.07 | 4.4 | 33.62 | 7.8 | 25.8 | 0.96 |
| F24 | 23 May 2017 | 37 | 10.53 | 92.52 | 4.4 | 33.62 | 7.8 | 25.8 | 0.61 |
| F24 | 23 May 2017 | 38 | 10.52 | 92.66 | 4.3 | 33.62 | 7.8 | 25.8 | 0.57 |
| F24 | 23 May 2017 | 39 | 10.50 | 92.60 | 4.3 | 33.63 | 7.8 | 25.8 | 0.64 |
| F24 | 23 May 2017 | 40 | 10.49 | 92.50 | 4.2 | 33.64 | 7.8 | 25.8 | 0.51 |
| F24 | 23 May 2017 | 41 | 10.43 | 92.43 | 4.2 | 33.66 | 7.8 | 25.8 | 0.78 |
| F24 | 23 May 2017 | 42 | 10.40 | 92.32 | 4.1 | 33.66 | 7.8 | 25.8 | 0.54 |
| F24 | 23 May 2017 | 43 | 10.40 | 92.27 | 4.1 | 33.66 | 7.8 | 25.8 | 0.44 |
| F24 | 23 May 2017 | 44 | 10.41 | 92.31 | 4.1 | 33.66 | 7.8 | 25.8 | 0.45 |
| F24 | 23 May 2017 | 45 | 10.40 | 92.17 | 4.0 | 33.66 | 7.8 | 25.8 | 0.52 |
| F24 | 23 May 2017 | 46 | 10.37 | 91.60 | 3.8 | 33.68 | 7.8 | 25.9 | 0.42 |
| F24 | 23 May 2017 | 47 | 10.33 | 91.06 | 3.7 | 33.69 | 7.8 | 25.9 | 0.38 |
| F24 | 23 May 2017 | 48 | 10.29 | 91.23 | 3.7 | 33.70 | 7.8 | 25.9 | 0.37 |
| F24 | 23 May 2017 | 49 | 10.23 | 91.03 | 3.6 | 33.72 | 7.8 | 25.9 | 0.33 |
| F24 | 23 May 2017 | 50 | 10.15 | 91.06 | 3.7 | 33.73 | 7.8 | 25.9 | 0.28 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F24 | 23 May 2017 | 51 | 10.13 | 92.08 | 3.8 | 33.72 | 7.8 | 25.9 | 0.26 |
| F24 | 23 May 2017 | 52 | 10.13 | 92.43 | 3.9 | 33.72 | 7.8 | 25.9 | 0.21 |
| F24 | 23 May 2017 | 53 | 10.13 | 92.35 | 3.9 | 33.72 | 7.8 | 25.9 | 0.19 |
| F24 | 23 May 2017 | 54 | 10.13 | 92.31 | 3.9 | 33.72 | 7.8 | 25.9 | 0.23 |
| F24 | 23 May 2017 | 55 | 10.12 | 92.30 | 3.8 | 33.73 | 7.8 | 25.9 | 0.18 |
| F24 | 23 May 2017 | 56 | 10.10 | 92.22 | 3.8 | 33.73 | 7.8 | 25.9 | 0.15 |
| F24 | 23 May 2017 | 57 | 10.09 | 91.71 | 3.8 | 33.74 | 7.8 | 26.0 | 0.15 |
| F24 | 23 May 2017 | 58 | 10.08 | 91.97 | 3.7 | 33.74 | 7.8 | 26.0 | 0.14 |
| F24 | 23 May 2017 | 59 | 10.06 | 91.97 | 3.7 | 33.74 | 7.8 | 26.0 | 0.14 |
| F24 | 23 May 2017 | 60 | 10.03 | 91.92 | 3.6 | 33.76 | 7.8 | 26.0 | 0.15 |
| F24 | 23 May 2017 | 61 | 9.99 | 91.68 | 3.5 | 33.77 | 7.8 | 26.0 | 0.13 |
| F24 | 23 May 2017 | 62 | 9.94 | 91.18 | 3.5 | 33.76 | 7.8 | 26.0 | 0.20 |
| F24 | 23 May 2017 | 63 | 9.93 | 90.75 | 3.4 | 33.76 | 7.8 | 26.0 | 0.12 |
| F24 | 23 May 2017 | 64 | 9.92 | 90.75 | 3.4 | 33.76 | 7.8 | 26.0 | 0.11 |
| F24 | 23 May 2017 | 65 | 9.91 | 90.99 | 3.4 | 33.77 | 7.8 | 26.0 | 0.11 |
| F24 | 23 May 2017 | 66 | 9.92 | 91.11 | 3.4 | 33.77 | 7.8 | 26.0 | 0.09 |
| F24 | 23 May 2017 | 67 | 9.93 | 91.55 | 3.4 | 33.78 | 7.8 | 26.0 | 0.08 |
| F24 | 23 May 2017 | 68 | 9.92 | 92.11 | 3.6 | 33.78 | 7.8 | 26.0 | 0.07 |
| F24 | 23 May 2017 | 69 | 9.91 | 92.20 | 3.6 | 33.79 | 7.8 | 26.0 | 0.07 |
| F24 | 23 May 2017 | 70 | 9.88 | 92.12 | 3.6 | 33.80 | 7.8 | 26.0 | 0.06 |
| F24 | 23 May 2017 | 71 | 9.86 | 92.00 | 3.6 | 33.81 | 7.8 | 26.0 | 0.07 |
| F24 | 23 May 2017 | 72 | 9.84 | 91.82 | 3.6 | 33.82 | 7.8 | 26.1 | 0.07 |
| F24 | 23 May 2017 | 73 | 9.81 | 91.94 | 3.5 | 33.83 | 7.8 | 26.1 | 0.06 |
| F24 | 23 May 2017 | 74 | 9.80 | 91.73 | 3.5 | 33.84 | 7.8 | 26.1 | 0.06 |
| F24 | 23 May 2017 | 75 | 9.76 | 91.52 | 3.4 | 33.87 | 7.8 | 26.1 | 0.05 |
| F24 | 23 May 2017 | 76 | 9.72 | 91.14 | 3.4 | 33.89 | 7.8 | 26.1 | 0.06 |
| F24 | 23 May 2017 | 77 | 9.69 | 91.15 | 3.3 | 33.90 | 7.7 | 26.1 | 0.06 |
| F24 | 23 May 2017 | 78 | 9.67 | 91.04 | 3.2 | 33.92 | 7.7 | 26.2 | 0.05 |
| F24 | 23 May 2017 | 79 | 9.66 | 89.40 | 3.2 | 33.93 | 7.7 | 26.2 | 0.04 |
| F24 | 23 May 2017 | 80 | 9.65 | 88.08 | 3.1 | 33.94 | 7.7 | 26.2 | 0.08 |
| F24 | 23 May 2017 | 81 | 9.65 | 87.61 | 3.1 | 33.94 | 7.7 | 26.2 | 0.04 |
| F24 | 23 May 2017 | 82 | 9.65 | 87.61 | 3.0 | 33.94 | 7.7 | 26.2 | 0.08 |
| | | | | | | | | | |
| F25 | 23 May 2017 | 1 | 18.57 | 81.17 | 8.5 | 33.50 | 8.2 | 24.0 | 0.82 |
| F25 | 23 May 2017 | 2 | 18.45 | 81.03 | 8.4 | 33.52 | 8.2 | 24.0 | 0.92 |
| F25 | 23 May 2017 | 3 | 16.55 | 80.90 | 8.4 | 33.78 | 8.2 | 24.7 | 0.97 |
| F25 | 23 May 2017 | 4 | 15.01 | 78.69 | 8.5 | 33.64 | 8.2 | 24.9 | 1.14 |
| F25 | 23 May 2017 | 5 | 14.53 | 81.05 | 8.4 | 33.54 | 8.2 | 24.9 | 1.56 |
| F25 | 23 May 2017 | 6 | 14.22 | 85.35 | 8.4 | 33.50 | 8.2 | 25.0 | 1.77 |
| F25 | 23 May 2017 | 7 | 13.67 | 85.73 | 8.4 | 33.50 | 8.2 | 25.1 | 1.61 |
| F25 | 23 May 2017 | 8 | 13.53 | 85.73 | 8.4 | 33.44 | 8.2 | 25.1 | 1.81 |
| F25 | 23 May 2017 | 9 | 13.48 | 85.73 | 8.3 | 33.42 | 8.2 | 25.1 | 1.91 |
| F25 | 23 May 2017 | 10 | 13.38 | 87.14 | 8.2 | 33.44 | 8.2 | 25.1 | 2.00 |
| F25 | 23 May 2017 | 11 | 13.24 | 87.70 | 8.2 | 33.45 | 8.2 | 25.1 | 2.16 |
| F25 | 23 May 2017 | 12 | 13.05 | 87.48 | 8.2 | 33.44 | 8.2 | 25.2 | 2.38 |
| F25 | 23 May 2017 | 13 | 12.89 | 87.20 | 8.1 | 33.47 | 8.2 | 25.2 | 2.50 |
| F25 | 23 May 2017 | 14 | 12.68 | 87.56 | 8.0 | 33.44 | 8.1 | 25.2 | 2.58 |
| F25 | 23 May 2017 | 15 | 12.50 | 86.67 | 7.9 | 33.48 | 8.1 | 25.3 | 3.11 |
| F25 | 23 May 2017 | 16 | 12.34 | 85.19 | 7.7 | 33.46 | 8.1 | 25.3 | 5.16 |
| F25 | 23 May 2017 | 17 | 12.26 | 81.65 | 7.5 | 33.45 | 8.1 | 25.3 | 7.92 |
| F25 | 23 May 2017 | 18 | 12.02 | 78.99 | 7.3 | 33.49 | 8.1 | 25.4 | 13.22 |
| F25 | 23 May 2017 | 19 | 11.95 | 79.09 | 7.2 | 33.48 | 8.1 | 25.4 | 15.10 |
| F25 | 23 May 2017 | 20 | 11.71 | 76.09 | 7.0 | 33.50 | 8.1 | 25.5 | 21.40 |
| F25 | 23 May 2017 | 21 | 11.54 | 65.71 | 6.1 | 33.50 | 8.0 | 25.5 | 31.30 |
| F25 | 23 May 2017 | 22 | 11.33 | 58.83 | 5.5 | 33.54 | 7.9 | 25.6 | 58.96 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F25 | 23 May 2017 | 23 | 11.29 | 77.23 | 5.3 | 33.52 | 7.9 | 25.6 | 50.88 |
| F25 | 23 May 2017 | 24 | 11.28 | 86.61 | 5.2 | 33.52 | 7.9 | 25.6 | 24.16 |
| F25 | 23 May 2017 | 25 | 11.26 | 88.80 | 5.2 | 33.51 | 7.9 | 25.6 | 11.58 |
| F25 | 23 May 2017 | 26 | 11.21 | 89.48 | 5.1 | 33.53 | 7.9 | 25.6 | 7.59 |
| F25 | 23 May 2017 | 27 | 11.16 | 90.12 | 5.1 | 33.54 | 7.9 | 25.6 | 5.49 |
| F25 | 23 May 2017 | 28 | 11.07 | 90.92 | 5.0 | 33.55 | 7.9 | 25.6 | 2.89 |
| F25 | 23 May 2017 | 29 | 11.00 | 91.32 | 4.9 | 33.56 | 7.9 | 25.7 | 2.89 |
| F25 | 23 May 2017 | 30 | 10.98 | 91.86 | 4.9 | 33.55 | 7.9 | 25.6 | 1.81 |
| F25 | 23 May 2017 | 31 | 10.84 | 92.08 | 4.8 | 33.58 | 7.9 | 25.7 | 1.40 |
| F25 | 23 May 2017 | 32 | 10.76 | 92.24 | 4.7 | 33.58 | 7.9 | 25.7 | 1.41 |
| F25 | 23 May 2017 | 33 | 10.80 | 92.74 | 4.7 | 33.58 | 7.9 | 25.7 | 1.10 |
| F25 | 23 May 2017 | 34 | 10.69 | 92.73 | 4.6 | 33.59 | 7.9 | 25.7 | 0.97 |
| F25 | 23 May 2017 | 35 | 10.68 | 92.73 | 4.6 | 33.59 | 7.9 | 25.7 | 0.91 |
| F25 | 23 May 2017 | 36 | 10.66 | 92.81 | 4.5 | 33.59 | 7.8 | 25.7 | 0.90 |
| F25 | 23 May 2017 | 37 | 10.63 | 92.73 | 4.4 | 33.60 | 7.8 | 25.8 | 0.67 |
| F25 | 23 May 2017 | 38 | 10.50 | 92.61 | 4.3 | 33.63 | 7.8 | 25.8 | 0.56 |
| F25 | 23 May 2017 | 39 | 10.44 | 92.53 | 4.3 | 33.64 | 7.8 | 25.8 | 0.60 |
| F25 | 23 May 2017 | 40 | 10.40 | 93.06 | 4.3 | 33.64 | 7.8 | 25.8 | 0.60 |
| F25 | 23 May 2017 | 41 | 10.36 | 93.07 | 4.2 | 33.66 | 7.8 | 25.8 | 0.43 |
| F25 | 23 May 2017 | 42 | 10.31 | 92.68 | 4.1 | 33.67 | 7.8 | 25.9 | 0.60 |
| F25 | 23 May 2017 | 43 | 10.33 | 92.79 | 4.1 | 33.66 | 7.8 | 25.9 | 0.40 |
| F25 | 23 May 2017 | 44 | 10.30 | 92.88 | 4.1 | 33.67 | 7.8 | 25.9 | 0.36 |
| F25 | 23 May 2017 | 45 | 10.30 | 92.90 | 4.1 | 33.67 | 7.8 | 25.9 | 0.31 |
| F25 | 23 May 2017 | 46 | 10.29 | 92.91 | 4.1 | 33.67 | 7.8 | 25.9 | 0.37 |
| F25 | 23 May 2017 | 47 | 10.28 | 92.93 | 4.1 | 33.67 | 7.8 | 25.9 | 0.42 |
| F25 | 23 May 2017 | 48 | 10.23 | 92.93 | 4.0 | 33.69 | 7.8 | 25.9 | 0.33 |
| F25 | 23 May 2017 | 49 | 10.22 | 92.88 | 4.0 | 33.68 | 7.8 | 25.9 | 0.27 |
| F25 | 23 May 2017 | 50 | 10.17 | 92.98 | 4.0 | 33.70 | 7.8 | 25.9 | 0.24 |
| F25 | 23 May 2017 | 51 | 10.17 | 92.90 | 4.0 | 33.70 | 7.8 | 25.9 | 0.25 |
| F25 | 23 May 2017 | 52 | 10.15 | 92.78 | 4.0 | 33.71 | 7.8 | 25.9 | 0.20 |
| F25 | 23 May 2017 | 53 | 10.14 | 92.63 | 3.9 | 33.71 | 7.8 | 25.9 | 0.23 |
| F25 | 23 May 2017 | 54 | 10.09 | 92.67 | 3.9 | 33.73 | 7.8 | 25.9 | 0.20 |
| F25 | 23 May 2017 | 55 | 10.01 | 92.82 | 3.9 | 33.75 | 7.8 | 26.0 | 0.19 |
| F25 | 23 May 2017 | 56 | 9.97 | 92.52 | 3.8 | 33.77 | 7.8 | 26.0 | 0.17 |
| F25 | 23 May 2017 | 57 | 9.95 | 92.22 | 3.7 | 33.77 | 7.8 | 26.0 | 0.13 |
| F25 | 23 May 2017 | 58 | 9.95 | 92.08 | 3.6 | 33.77 | 7.8 | 26.0 | 0.15 |
| F25 | 23 May 2017 | 59 | 9.95 | 92.08 | 3.6 | 33.77 | 7.8 | 26.0 | 0.10 |
| F25 | 23 May 2017 | 60 | 9.94 | 92.01 | 3.5 | 33.77 | 7.8 | 26.0 | 0.09 |
| F25 | 23 May 2017 | 61 | 9.94 | 92.06 | 3.6 | 33.78 | 7.8 | 26.0 | 0.13 |
| F25 | 23 May 2017 | 62 | 9.89 | 91.98 | 3.6 | 33.80 | 7.8 | 26.0 | 0.10 |
| F25 | 23 May 2017 | 63 | 9.86 | 92.05 | 3.6 | 33.81 | 7.8 | 26.0 | 0.10 |
| F25 | 23 May 2017 | 64 | 9.86 | 92.19 | 3.6 | 33.81 | 7.8 | 26.0 | 0.16 |
| F25 | 23 May 2017 | 65 | 9.85 | 92.17 | 3.6 | 33.81 | 7.8 | 26.0 | 0.12 |
| F25 | 23 May 2017 | 66 | 9.85 | 92.16 | 3.6 | 33.81 | 7.8 | 26.0 | 0.18 |
| F25 | 23 May 2017 | 67 | 9.84 | 92.25 | 3.6 | 33.82 | 7.8 | 26.1 | 0.08 |
| F25 | 23 May 2017 | 68 | 9.82 | 91.88 | 3.5 | 33.83 | 7.8 | 26.1 | 0.09 |
| F25 | 23 May 2017 | 69 | 9.82 | 90.76 | 3.4 | 33.83 | 7.8 | 26.1 | 0.07 |
| F25 | 23 May 2017 | 70 | 9.82 | 90.30 | 3.4 | 33.83 | 7.7 | 26.1 | 0.06 |
| F25 | 23 May 2017 | 71 | 9.82 | 90.22 | 3.4 | 33.83 | 7.7 | 26.1 | 0.07 |
| F25 | 23 May 2017 | 72 | 9.82 | 90.40 | 3.4 | 33.83 | 7.7 | 26.1 | 0.06 |
| F25 | 23 May 2017 | 73 | 9.81 | 90.42 | 3.4 | 33.83 | 7.7 | 26.1 | 0.07 |
| F25 | 23 May 2017 | 74 | 9.81 | 88.73 | 3.3 | 33.84 | 7.7 | 26.1 | 0.05 |
| F25 | 23 May 2017 | 75 | 9.80 | 86.57 | 3.2 | 33.85 | 7.7 | 26.1 | 0.06 |
| F25 | 23 May 2017 | 76 | 9.80 | 85.83 | 3.2 | 33.86 | 7.7 | 26.1 | 0.06 |
| F25 | 23 May 2017 | 77 | 9.79 | 85.74 | 3.1 | 33.86 | 7.7 | 26.1 | 0.06 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F25 | 23 May 2017 | 78 | 9.79 | 85.61 | 3.1 | 33.86 | 7.7 | 26.1 | 0.29 |
| F25 | 23 May 2017 | 79 | 9.79 | 85.59 | 3.2 | 33.86 | 7.7 | 26.1 | 0.15 |
| F25 | 23 May 2017 | 80 | 9.79 | 85.57 | 3.1 | 33.86 | 7.7 | 26.1 | 0.09 |
| | | | | | | | | | |
| F26 | 22 May 2017 | 1 | 19.34 | 83.24 | 8.2 | 33.50 | 8.3 | 23.8 | 0.27 |
| F26 | 22 May 2017 | 2 | 19.33 | 83.22 | 8.1 | 33.50 | 8.3 | 23.8 | 0.28 |
| F26 | 22 May 2017 | 3 | 19.29 | 83.14 | 8.1 | 33.50 | 8.3 | 23.8 | 0.30 |
| F26 | 22 May 2017 | 4 | 18.42 | 82.87 | 8.2 | 33.69 | 8.3 | 24.2 | 0.29 |
| F26 | 22 May 2017 | 5 | 16.81 | 82.32 | 8.3 | 33.77 | 8.3 | 24.6 | 0.31 |
| F26 | 22 May 2017 | 6 | 15.40 | 82.49 | 8.4 | 33.85 | 8.2 | 25.0 | 0.32 |
| F26 | 22 May 2017 | 7 | 14.03 | 83.06 | 8.6 | 33.80 | 8.2 | 25.3 | 0.33 |
| F26 | 22 May 2017 | 8 | 13.17 | 82.26 | 8.9 | 33.70 | 8.2 | 25.4 | 0.40 |
| F26 | 22 May 2017 | 9 | 12.88 | 79.47 | 9.0 | 33.58 | 8.2 | 25.3 | 0.50 |
| F26 | 22 May 2017 | 10 | 12.47 | 75.32 | 8.9 | 33.63 | 8.2 | 25.4 | 0.63 |
| F26 | 22 May 2017 | 11 | 12.10 | 64.63 | 8.3 | 33.58 | 8.1 | 25.5 | 1.01 |
| F26 | 22 May 2017 | 12 | 12.02 | 57.51 | 7.5 | 33.56 | 8.1 | 25.5 | 3.19 |
| F26 | 22 May 2017 | 13 | 11.95 | 55.72 | 6.8 | 33.55 | 8.0 | 25.5 | 8.21 |
| F26 | 22 May 2017 | 14 | 11.72 | 55.95 | 6.3 | 33.61 | 8.0 | 25.6 | 14.65 |
| F26 | 22 May 2017 | 15 | 11.43 | 70.80 | 5.8 | 33.60 | 7.9 | 25.6 | 19.28 |
| F26 | 22 May 2017 | 16 | 11.36 | 81.69 | 5.3 | 33.58 | 7.9 | 25.6 | 21.84 |
| F26 | 22 May 2017 | 17 | 11.19 | 83.54 | 5.0 | 33.61 | 7.9 | 25.7 | 20.97 |
| F26 | 22 May 2017 | 18 | 11.07 | 86.93 | 4.8 | 33.60 | 7.9 | 25.7 | 15.00 |
| F26 | 22 May 2017 | 19 | 11.04 | 89.27 | 4.7 | 33.59 | 7.9 | 25.7 | 9.93 |
| F26 | 22 May 2017 | 20 | 10.99 | 89.58 | 4.7 | 33.61 | 7.9 | 25.7 | 7.28 |
| F26 | 22 May 2017 | 21 | 10.88 | 89.95 | 4.6 | 33.62 | 7.9 | 25.7 | 6.12 |
| F26 | 22 May 2017 | 22 | 10.86 | 90.51 | 4.6 | 33.61 | 7.9 | 25.7 | 4.53 |
| F26 | 22 May 2017 | 23 | 10.80 | 90.96 | 4.5 | 33.64 | 7.9 | 25.8 | 3.81 |
| F26 | 22 May 2017 | 24 | 10.76 | 91.05 | 4.4 | 33.63 | 7.9 | 25.8 | 2.94 |
| F26 | 22 May 2017 | 25 | 10.75 | 90.99 | 4.4 | 33.64 | 7.9 | 25.8 | 2.32 |
| F26 | 22 May 2017 | 26 | 10.73 | 90.97 | 4.3 | 33.64 | 7.9 | 25.8 | 1.67 |
| F26 | 22 May 2017 | 27 | 10.70 | 90.96 | 4.3 | 33.65 | 7.8 | 25.8 | 1.62 |
| F26 | 22 May 2017 | 28 | 10.67 | 90.76 | 4.2 | 33.66 | 7.8 | 25.8 | 1.57 |
| F26 | 22 May 2017 | 29 | 10.64 | 90.67 | 4.1 | 33.68 | 7.8 | 25.8 | 1.35 |
| F26 | 22 May 2017 | 30 | 10.61 | 90.50 | 4.1 | 33.69 | 7.8 | 25.8 | 1.40 |
| F26 | 22 May 2017 | 31 | 10.58 | 90.31 | 4.0 | 33.69 | 7.8 | 25.8 | 1.51 |
| F26 | 22 May 2017 | 32 | 10.56 | 90.24 | 3.9 | 33.70 | 7.8 | 25.8 | 1.23 |
| F26 | 22 May 2017 | 33 | 10.54 | 90.27 | 3.8 | 33.69 | 7.8 | 25.8 | 1.14 |
| F26 | 22 May 2017 | 34 | 10.53 | 90.36 | 3.8 | 33.69 | 7.8 | 25.8 | 1.01 |
| F26 | 22 May 2017 | 35 | 10.52 | 90.44 | 3.8 | 33.69 | 7.8 | 25.8 | 1.00 |
| F26 | 22 May 2017 | 36 | 10.52 | 90.54 | 3.8 | 33.69 | 7.8 | 25.8 | 0.94 |
| F26 | 22 May 2017 | 37 | 10.50 | 90.55 | 3.8 | 33.69 | 7.8 | 25.8 | 0.87 |
| F26 | 22 May 2017 | 38 | 10.47 | 90.61 | 3.7 | 33.70 | 7.8 | 25.9 | 0.86 |
| F26 | 22 May 2017 | 39 | 10.44 | 90.89 | 3.7 | 33.70 | 7.8 | 25.9 | 0.83 |
| F26 | 22 May 2017 | 40 | 10.42 | 91.12 | 3.8 | 33.70 | 7.8 | 25.9 | 0.89 |
| F26 | 22 May 2017 | 41 | 10.41 | 91.14 | 3.8 | 33.70 | 7.8 | 25.9 | 0.75 |
| F26 | 22 May 2017 | 42 | 10.39 | 91.23 | 3.8 | 33.70 | 7.8 | 25.9 | 0.71 |
| F26 | 22 May 2017 | 43 | 10.37 | 91.43 | 3.8 | 33.70 | 7.8 | 25.9 | 0.64 |
| F26 | 22 May 2017 | 44 | 10.35 | 91.71 | 3.8 | 33.71 | 7.8 | 25.9 | 0.66 |
| F26 | 22 May 2017 | 45 | 10.27 | 91.85 | 3.8 | 33.72 | 7.8 | 25.9 | 0.49 |
| F26 | 22 May 2017 | 46 | 10.24 | 92.11 | 3.8 | 33.72 | 7.8 | 25.9 | 0.48 |
| F26 | 22 May 2017 | 47 | 10.22 | 92.38 | 3.9 | 33.72 | 7.8 | 25.9 | 0.46 |
| F26 | 22 May 2017 | 48 | 10.21 | 92.14 | 3.9 | 33.72 | 7.8 | 25.9 | 0.40 |
| F26 | 22 May 2017 | 49 | 10.18 | 92.06 | 3.9 | 33.73 | 7.8 | 25.9 | 0.36 |
| F26 | 22 May 2017 | 50 | 10.18 | 92.20 | 3.8 | 33.72 | 7.8 | 25.9 | 0.32 |
| F26 | 22 May 2017 | 51 | 10.18 | 92.16 | 3.8 | 33.72 | 7.8 | 25.9 | 0.29 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F26 | 22 May 2017 | 52 | 10.18 | 91.96 | 3.8 | 33.72 | 7.8 | 25.9 | 0.24 |
| F26 | 22 May 2017 | 53 | 10.17 | 92.15 | 3.8 | 33.72 | 7.8 | 25.9 | 0.24 |
| F26 | 22 May 2017 | 54 | 10.16 | 92.21 | 3.8 | 33.72 | 7.8 | 25.9 | 0.20 |
| F26 | 22 May 2017 | 55 | 10.16 | 92.21 | 3.8 | 33.72 | 7.8 | 25.9 | 0.20 |
| F26 | 22 May 2017 | 56 | 10.16 | 92.13 | 3.8 | 33.72 | 7.8 | 25.9 | 0.18 |
| F26 | 22 May 2017 | 57 | 10.16 | 92.14 | 3.8 | 33.72 | 7.8 | 25.9 | 0.20 |
| F26 | 22 May 2017 | 58 | 10.16 | 92.15 | 3.8 | 33.72 | 7.8 | 25.9 | 0.18 |
| F26 | 22 May 2017 | 59 | 10.16 | 92.15 | 3.8 | 33.72 | 7.8 | 25.9 | 0.16 |
| F26 | 22 May 2017 | 60 | 10.14 | 92.12 | 3.8 | 33.73 | 7.8 | 25.9 | 0.17 |
| F26 | 22 May 2017 | 61 | 10.12 | 92.11 | 3.8 | 33.73 | 7.8 | 25.9 | 0.17 |
| F26 | 22 May 2017 | 62 | 10.11 | 92.08 | 3.8 | 33.73 | 7.8 | 25.9 | 0.17 |
| F26 | 22 May 2017 | 63 | 10.08 | 92.22 | 3.7 | 33.74 | 7.8 | 26.0 | 0.22 |
| F26 | 22 May 2017 | 64 | 10.07 | 92.35 | 3.7 | 33.74 | 7.8 | 26.0 | 0.16 |
| F26 | 22 May 2017 | 65 | 10.06 | 92.30 | 3.7 | 33.75 | 7.8 | 26.0 | 0.17 |
| F26 | 22 May 2017 | 66 | 10.02 | 92.24 | 3.7 | 33.77 | 7.8 | 26.0 | 0.13 |
| F26 | 22 May 2017 | 67 | 9.98 | 92.03 | 3.6 | 33.78 | 7.8 | 26.0 | 0.12 |
| F26 | 22 May 2017 | 68 | 9.97 | 91.99 | 3.6 | 33.79 | 7.8 | 26.0 | 0.13 |
| F26 | 22 May 2017 | 69 | 9.95 | 91.93 | 3.6 | 33.79 | 7.8 | 26.0 | 0.13 |
| F26 | 22 May 2017 | 70 | 9.94 | 91.77 | 3.6 | 33.80 | 7.8 | 26.0 | 0.10 |
| F26 | 22 May 2017 | 71 | 9.94 | 91.90 | 3.6 | 33.80 | 7.8 | 26.0 | 0.09 |
| F26 | 22 May 2017 | 72 | 9.93 | 91.90 | 3.5 | 33.80 | 7.8 | 26.0 | 0.07 |
| F26 | 22 May 2017 | 73 | 9.91 | 91.88 | 3.5 | 33.81 | 7.8 | 26.0 | 0.08 |
| F26 | 22 May 2017 | 74 | 9.90 | 91.93 | 3.5 | 33.81 | 7.8 | 26.0 | 0.07 |
| F26 | 22 May 2017 | 75 | 9.88 | 91.96 | 3.5 | 33.82 | 7.8 | 26.1 | 0.06 |
| F26 | 22 May 2017 | 76 | 9.84 | 92.14 | 3.5 | 33.83 | 7.8 | 26.1 | 0.06 |
| F26 | 22 May 2017 | 77 | 9.82 | 92.22 | 3.5 | 33.84 | 7.8 | 26.1 | 0.06 |
| F26 | 22 May 2017 | 78 | 9.79 | 92.25 | 3.4 | 33.85 | 7.8 | 26.1 | 0.06 |
| F26 | 22 May 2017 | 79 | 9.77 | 92.40 | 3.4 | 33.85 | 7.8 | 26.1 | 0.06 |
| F26 | 22 May 2017 | 80 | 9.77 | 92.34 | 3.4 | 33.86 | 7.8 | 26.1 | 0.05 |
| F26 | 22 May 2017 | 81 | 9.76 | 92.27 | 3.3 | 33.86 | 7.8 | 26.1 | 0.04 |
| F26 | 22 May 2017 | 82 | 9.75 | 92.35 | 3.3 | 33.86 | 7.8 | 26.1 | 0.05 |
| F26 | 22 May 2017 | 83 | 9.74 | 92.40 | 3.3 | 33.87 | 7.8 | 26.1 | 0.04 |
| F26 | 22 May 2017 | 84 | 9.73 | 92.47 | 3.2 | 33.88 | 7.8 | 26.1 | 0.04 |
| F26 | 22 May 2017 | 85 | 9.73 | 92.53 | 3.2 | 33.88 | 7.8 | 26.1 | 0.05 |
| F26 | 22 May 2017 | 86 | 9.73 | 92.55 | 3.2 | 33.88 | 7.8 | 26.1 | 0.03 |
| F26 | 22 May 2017 | 87 | 9.72 | 92.58 | 3.2 | 33.89 | 7.8 | 26.1 | 0.03 |
| F26 | 22 May 2017 | 88 | 9.72 | 92.57 | 3.2 | 33.90 | 7.8 | 26.1 | 0.03 |
| F26 | 22 May 2017 | 89 | 9.70 | 92.57 | 3.2 | 33.91 | 7.8 | 26.1 | 0.03 |
| F26 | 22 May 2017 | 90 | 9.64 | 92.51 | 3.1 | 33.95 | 7.8 | 26.2 | 0.04 |
| F26 | 22 May 2017 | 91 | 9.63 | 92.29 | 3.1 | 33.97 | 7.7 | 26.2 | 0.04 |
| F26 | 22 May 2017 | 92 | 9.63 | 92.08 | 3.0 | 33.97 | 7.7 | 26.2 | 0.03 |
| F26 | 22 May 2017 | 93 | 9.63 | 92.10 | 3.0 | 33.97 | 7.7 | 26.2 | 0.03 |
| F26 | 22 May 2017 | 94 | 9.63 | 92.07 | 3.0 | 33.97 | 7.7 | 26.2 | 0.03 |
| F26 | 22 May 2017 | 95 | 9.63 | 92.01 | 3.0 | 33.97 | 7.7 | 26.2 | 0.03 |
| F26 | 22 May 2017 | 96 | 9.63 | 91.78 | 3.0 | 33.97 | 7.7 | 26.2 | 0.03 |
| F26 | 22 May 2017 | 97 | 9.62 | 91.55 | 3.0 | 33.97 | 7.7 | 26.2 | 0.04 |
| F26 | 22 May 2017 | 98 | 9.62 | 91.34 | 3.0 | 33.98 | 7.7 | 26.2 | 0.03 |
| | | | | | | | | | |
| F27 | 22 May 2017 | 1 | 19.08 | 82.60 | 8.2 | 33.49 | 8.3 | 23.9 | 0.35 |
| F27 | 22 May 2017 | 2 | 19.04 | 56.51 | 8.1 | 33.34 | 8.3 | 23.7 | 0.34 |
| F27 | 22 May 2017 | 3 | 18.04 | 76.54 | 8.2 | 33.69 | 8.3 | 24.3 | 0.36 |
| F27 | 22 May 2017 | 4 | 16.73 | 82.69 | 8.5 | 33.62 | 8.2 | 24.5 | 0.37 |
| F27 | 22 May 2017 | 5 | 15.48 | 82.85 | 8.5 | 33.62 | 8.2 | 24.8 | 0.40 |
| F27 | 22 May 2017 | 6 | 14.78 | 82.07 | 8.4 | 33.56 | 8.2 | 24.9 | 0.46 |
| F27 | 22 May 2017 | 7 | 14.20 | 82.16 | 8.4 | 33.64 | 8.2 | 25.1 | 0.60 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F27 | 22 May 2017 | 8 | 12.88 | 80.92 | 8.9 | 33.60 | 8.2 | 25.3 | 0.74 |
| F27 | 22 May 2017 | 9 | 12.67 | 76.16 | 9.0 | 33.54 | 8.2 | 25.3 | 0.97 |
| F27 | 22 May 2017 | 10 | 12.50 | 66.79 | 8.8 | 33.52 | 8.2 | 25.3 | 2.04 |
| F27 | 22 May 2017 | 11 | 12.22 | 57.32 | 8.2 | 33.56 | 8.1 | 25.4 | 5.81 |
| F27 | 22 May 2017 | 12 | 11.85 | 54.21 | 7.1 | 33.54 | 8.0 | 25.5 | 14.08 |
| F27 | 22 May 2017 | 13 | 11.79 | 58.16 | 6.3 | 33.51 | 8.0 | 25.5 | 23.45 |
| F27 | 22 May 2017 | 14 | 11.76 | 60.95 | 5.9 | 33.51 | 8.0 | 25.5 | 28.43 |
| F27 | 22 May 2017 | 15 | 11.68 | 66.73 | 5.7 | 33.53 | 8.0 | 25.5 | 28.75 |
| F27 | 22 May 2017 | 16 | 11.44 | 75.37 | 5.4 | 33.57 | 7.9 | 25.6 | 28.51 |
| F27 | 22 May 2017 | 17 | 11.28 | 82.26 | 5.1 | 33.58 | 7.9 | 25.6 | 23.81 |
| F27 | 22 May 2017 | 18 | 11.20 | 86.90 | 4.9 | 33.59 | 7.9 | 25.6 | 17.46 |
| F27 | 22 May 2017 | 19 | 11.05 | 89.34 | 4.8 | 33.60 | 7.9 | 25.7 | 13.49 |
| F27 | 22 May 2017 | 20 | 10.96 | 89.98 | 4.7 | 33.60 | 7.9 | 25.7 | 9.34 |
| F27 | 22 May 2017 | 21 | 10.87 | 90.19 | 4.6 | 33.62 | 7.9 | 25.7 | 6.06 |
| F27 | 22 May 2017 | 22 | 10.87 | 91.04 | 4.6 | 33.62 | 7.9 | 25.7 | 4.64 |
| F27 | 22 May 2017 | 23 | 10.82 | 91.19 | 4.5 | 33.62 | 7.9 | 25.7 | 3.26 |
| F27 | 22 May 2017 | 24 | 10.78 | 91.18 | 4.4 | 33.62 | 7.9 | 25.7 | 2.48 |
| F27 | 22 May 2017 | 25 | 10.76 | 91.19 | 4.4 | 33.63 | 7.9 | 25.7 | 2.18 |
| F27 | 22 May 2017 | 26 | 10.73 | 91.26 | 4.3 | 33.64 | 7.9 | 25.8 | 1.92 |
| F27 | 22 May 2017 | 27 | 10.70 | 91.37 | 4.3 | 33.65 | 7.8 | 25.8 | 1.53 |
| F27 | 22 May 2017 | 28 | 10.66 | 91.38 | 4.2 | 33.66 | 7.8 | 25.8 | 1.44 |
| F27 | 22 May 2017 | 29 | 10.64 | 91.57 | 4.2 | 33.65 | 7.8 | 25.8 | 1.30 |
| F27 | 22 May 2017 | 30 | 10.64 | 91.58 | 4.1 | 33.65 | 7.8 | 25.8 | 1.14 |
| F27 | 22 May 2017 | 31 | 10.63 | 91.52 | 4.1 | 33.65 | 7.8 | 25.8 | 1.12 |
| F27 | 22 May 2017 | 32 | 10.63 | 91.53 | 4.1 | 33.65 | 7.8 | 25.8 | 1.10 |
| F27 | 22 May 2017 | 33 | 10.62 | 91.49 | 4.1 | 33.66 | 7.8 | 25.8 | 1.12 |
| F27 | 22 May 2017 | 34 | 10.61 | 91.68 | 4.1 | 33.66 | 7.8 | 25.8 | 0.90 |
| F27 | 22 May 2017 | 35 | 10.57 | 91.55 | 4.0 | 33.66 | 7.8 | 25.8 | 0.88 |
| F27 | 22 May 2017 | 36 | 10.50 | 91.94 | 4.0 | 33.67 | 7.8 | 25.8 | 0.78 |
| F27 | 22 May 2017 | 37 | 10.48 | 92.19 | 4.1 | 33.66 | 7.8 | 25.8 | 0.70 |
| F27 | 22 May 2017 | 38 | 10.46 | 91.90 | 4.0 | 33.68 | 7.8 | 25.8 | 0.68 |
| F27 | 22 May 2017 | 39 | 10.44 | 91.00 | 3.8 | 33.69 | 7.8 | 25.9 | 0.60 |
| F27 | 22 May 2017 | 40 | 10.42 | 90.80 | 3.7 | 33.70 | 7.8 | 25.9 | 0.56 |
| F27 | 22 May 2017 | 41 | 10.40 | 90.75 | 3.7 | 33.70 | 7.8 | 25.9 | 0.50 |
| F27 | 22 May 2017 | 42 | 10.39 | 90.72 | 3.6 | 33.70 | 7.8 | 25.9 | 0.51 |
| F27 | 22 May 2017 | 43 | 10.36 | 90.80 | 3.5 | 33.71 | 7.8 | 25.9 | 0.50 |
| F27 | 22 May 2017 | 44 | 10.33 | 90.84 | 3.6 | 33.71 | 7.8 | 25.9 | 0.50 |
| F27 | 22 May 2017 | 45 | 10.31 | 90.93 | 3.6 | 33.72 | 7.8 | 25.9 | 0.39 |
| F27 | 22 May 2017 | 46 | 10.28 | 91.00 | 3.6 | 33.72 | 7.8 | 25.9 | 0.38 |
| F27 | 22 May 2017 | 47 | 10.24 | 91.12 | 3.6 | 33.72 | 7.8 | 25.9 | 0.34 |
| F27 | 22 May 2017 | 48 | 10.21 | 91.43 | 3.6 | 33.72 | 7.8 | 25.9 | 0.31 |
| F27 | 22 May 2017 | 49 | 10.20 | 91.58 | 3.6 | 33.72 | 7.8 | 25.9 | 0.26 |
| F27 | 22 May 2017 | 50 | 10.19 | 91.66 | 3.6 | 33.72 | 7.8 | 25.9 | 0.21 |
| F27 | 22 May 2017 | 51 | 10.17 | 91.64 | 3.7 | 33.72 | 7.8 | 25.9 | 0.21 |
| F27 | 22 May 2017 | 52 | 10.16 | 91.86 | 3.7 | 33.72 | 7.8 | 25.9 | 0.17 |
| F27 | 22 May 2017 | 53 | 10.16 | 91.96 | 3.7 | 33.72 | 7.8 | 25.9 | 0.19 |
| F27 | 22 May 2017 | 54 | 10.15 | 92.05 | 3.7 | 33.72 | 7.8 | 25.9 | 0.15 |
| F27 | 22 May 2017 | 55 | 10.13 | 92.34 | 3.8 | 33.72 | 7.8 | 25.9 | 0.14 |
| F27 | 22 May 2017 | 56 | 10.12 | 92.60 | 3.8 | 33.73 | 7.8 | 25.9 | 0.12 |
| F27 | 22 May 2017 | 57 | 10.11 | 92.64 | 3.8 | 33.73 | 7.8 | 25.9 | 0.11 |
| F27 | 22 May 2017 | 58 | 10.09 | 92.71 | 3.8 | 33.73 | 7.8 | 25.9 | 0.12 |
| F27 | 22 May 2017 | 59 | 10.09 | 92.75 | 3.8 | 33.73 | 7.8 | 25.9 | 0.12 |
| F27 | 22 May 2017 | 60 | 10.08 | 92.77 | 3.8 | 33.74 | 7.8 | 26.0 | 0.13 |
| F27 | 22 May 2017 | 61 | 10.07 | 92.78 | 3.8 | 33.74 | 7.8 | 26.0 | 0.10 |
| F27 | 22 May 2017 | 62 | 10.07 | 92.75 | 3.8 | 33.74 | 7.8 | 26.0 | 0.09 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F27 | 22 May 2017 | 63 | 10.07 | 92.70 | 3.8 | 33.74 | 7.8 | 26.0 | 0.11 |
| F27 | 22 May 2017 | 64 | 10.07 | 92.70 | 3.8 | 33.74 | 7.8 | 26.0 | 0.08 |
| F27 | 22 May 2017 | 65 | 10.06 | 92.73 | 3.8 | 33.74 | 7.8 | 26.0 | 0.10 |
| F27 | 22 May 2017 | 66 | 10.04 | 92.58 | 3.8 | 33.75 | 7.8 | 26.0 | 0.08 |
| F27 | 22 May 2017 | 67 | 10.04 | 92.51 | 3.7 | 33.75 | 7.8 | 26.0 | 0.08 |
| F27 | 22 May 2017 | 68 | 10.04 | 92.50 | 3.7 | 33.75 | 7.8 | 26.0 | 0.07 |
| F27 | 22 May 2017 | 69 | 10.04 | 92.51 | 3.7 | 33.75 | 7.8 | 26.0 | 0.07 |
| F27 | 22 May 2017 | 70 | 10.04 | 92.47 | 3.7 | 33.75 | 7.8 | 26.0 | 0.10 |
| F27 | 22 May 2017 | 71 | 10.04 | 92.48 | 3.7 | 33.75 | 7.8 | 26.0 | 0.06 |
| F27 | 22 May 2017 | 72 | 10.01 | 92.49 | 3.6 | 33.76 | 7.8 | 26.0 | 0.06 |
| F27 | 22 May 2017 | 73 | 10.00 | 92.50 | 3.7 | 33.77 | 7.8 | 26.0 | 0.07 |
| F27 | 22 May 2017 | 74 | 9.96 | 92.52 | 3.6 | 33.79 | 7.8 | 26.0 | 0.05 |
| F27 | 22 May 2017 | 75 | 9.93 | 92.43 | 3.6 | 33.80 | 7.8 | 26.0 | 0.07 |
| F27 | 22 May 2017 | 76 | 9.91 | 92.43 | 3.5 | 33.80 | 7.8 | 26.0 | 0.07 |
| F27 | 22 May 2017 | 77 | 9.90 | 92.40 | 3.5 | 33.81 | 7.8 | 26.0 | 0.08 |
| F27 | 22 May 2017 | 78 | 9.88 | 92.42 | 3.5 | 33.82 | 7.8 | 26.1 | 0.05 |
| F27 | 22 May 2017 | 79 | 9.82 | 92.44 | 3.5 | 33.84 | 7.8 | 26.1 | 0.04 |
| F27 | 22 May 2017 | 80 | 9.79 | 92.48 | 3.4 | 33.85 | 7.8 | 26.1 | 0.04 |
| F27 | 22 May 2017 | 81 | 9.77 | 92.56 | 3.4 | 33.85 | 7.8 | 26.1 | 0.05 |
| F27 | 22 May 2017 | 82 | 9.77 | 92.61 | 3.4 | 33.86 | 7.8 | 26.1 | 0.03 |
| F27 | 22 May 2017 | 83 | 9.74 | 92.49 | 3.3 | 33.87 | 7.8 | 26.1 | 0.02 |
| F27 | 22 May 2017 | 84 | 9.74 | 92.62 | 3.3 | 33.87 | 7.8 | 26.1 | 0.03 |
| F27 | 22 May 2017 | 85 | 9.73 | 92.67 | 3.2 | 33.88 | 7.8 | 26.1 | 0.02 |
| F27 | 22 May 2017 | 86 | 9.68 | 92.64 | 3.2 | 33.91 | 7.7 | 26.2 | 0.04 |
| F27 | 22 May 2017 | 87 | 9.67 | 92.61 | 3.1 | 33.92 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 88 | 9.67 | 92.49 | 3.1 | 33.93 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 89 | 9.66 | 92.55 | 3.1 | 33.93 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 90 | 9.64 | 92.48 | 3.0 | 33.96 | 7.7 | 26.2 | NA |
| F27 | 22 May 2017 | 91 | 9.62 | 92.22 | 3.0 | 33.98 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 92 | 9.61 | 92.01 | 2.9 | 33.99 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 93 | 9.61 | 91.81 | 2.9 | 33.99 | 7.7 | 26.2 | NA |
| F27 | 22 May 2017 | 94 | 9.61 | 91.73 | 2.8 | 33.99 | 7.7 | 26.2 | 0.01 |
| F27 | 22 May 2017 | 95 | 9.61 | 91.43 | 2.8 | 33.99 | 7.7 | 26.2 | NA |
| F27 | 22 May 2017 | 96 | 9.61 | 90.93 | 2.8 | 34.00 | 7.7 | 26.2 | NA |
| F27 | 22 May 2017 | 97 | 9.61 | 90.72 | 2.8 | 34.00 | 7.7 | 26.2 | NA |
| F27 | 22 May 2017 | 98 | 9.61 | 90.54 | 2.8 | 34.00 | 7.7 | 26.2 | NA |
| | | | | | | | | | |
| F28 | 22 May 2017 | 1 | 19.08 | 83.48 | 8.0 | 33.48 | 8.2 | 23.8 | 0.40 |
| F28 | 22 May 2017 | 2 | 18.57 | 83.34 | 8.0 | 33.63 | 8.2 | 24.1 | 0.39 |
| F28 | 22 May 2017 | 3 | 17.25 | 83.86 | 8.3 | 33.56 | 8.2 | 24.4 | 0.42 |
| F28 | 22 May 2017 | 4 | 16.47 | 85.65 | 8.4 | 33.61 | 8.2 | 24.6 | 0.38 |
| F28 | 22 May 2017 | 5 | 15.07 | 84.75 | 8.6 | 33.62 | 8.2 | 24.9 | 0.37 |
| F28 | 22 May 2017 | 6 | 14.72 | 82.26 | 8.6 | 33.53 | 8.2 | 24.9 | 0.44 |
| F28 | 22 May 2017 | 7 | 14.02 | 81.48 | 8.6 | 33.58 | 8.2 | 25.1 | 0.58 |
| F28 | 22 May 2017 | 8 | 13.73 | 81.38 | 8.7 | 33.52 | 8.2 | 25.1 | 0.79 |
| F28 | 22 May 2017 | 9 | 12.60 | 77.29 | 8.8 | 33.59 | 8.2 | 25.4 | 0.98 |
| F28 | 22 May 2017 | 10 | 12.48 | 65.62 | 8.7 | 33.50 | 8.2 | 25.3 | 1.80 |
| F28 | 22 May 2017 | 11 | 12.47 | 58.95 | 8.5 | 33.51 | 8.2 | 25.3 | 7.25 |
| F28 | 22 May 2017 | 12 | 12.08 | 57.33 | 7.8 | 33.55 | 8.1 | 25.4 | 12.86 |
| F28 | 22 May 2017 | 13 | 11.65 | 63.49 | 6.7 | 33.56 | 8.0 | 25.5 | 18.24 |
| F28 | 22 May 2017 | 14 | 11.61 | 73.08 | 5.8 | 33.52 | 7.9 | 25.5 | 18.61 |
| F28 | 22 May 2017 | 15 | 11.55 | 76.67 | 5.3 | 33.53 | 7.9 | 25.5 | 18.14 |
| F28 | 22 May 2017 | 16 | 11.40 | 81.49 | 5.2 | 33.55 | 7.9 | 25.6 | 15.18 |
| F28 | 22 May 2017 | 17 | 11.29 | 85.94 | 5.0 | 33.54 | 7.9 | 25.6 | 11.10 |
| F28 | 22 May 2017 | 18 | 11.30 | 86.12 | 4.9 | 33.55 | 7.9 | 25.6 | 6.88 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F28 | 22 May 2017 | 19 | 11.17 | 88.01 | 4.8 | 33.55 | 7.9 | 25.6 | 4.77 |
| F28 | 22 May 2017 | 20 | 11.04 | 88.50 | 4.7 | 33.58 | 7.9 | 25.7 | 4.65 |
| F28 | 22 May 2017 | 21 | 10.97 | 90.40 | 4.6 | 33.57 | 7.9 | 25.7 | 3.36 |
| F28 | 22 May 2017 | 22 | 10.96 | 90.72 | 4.6 | 33.57 | 7.9 | 25.7 | 2.40 |
| F28 | 22 May 2017 | 23 | 10.90 | 90.59 | 4.6 | 33.58 | 7.9 | 25.7 | 1.97 |
| F28 | 22 May 2017 | 24 | 10.82 | 90.72 | 4.5 | 33.59 | 7.9 | 25.7 | 1.88 |
| F28 | 22 May 2017 | 25 | 10.80 | 90.95 | 4.4 | 33.59 | 7.9 | 25.7 | 1.64 |
| F28 | 22 May 2017 | 26 | 10.79 | 91.02 | 4.4 | 33.60 | 7.8 | 25.7 | 1.62 |
| F28 | 22 May 2017 | 27 | 10.75 | 91.11 | 4.4 | 33.61 | 7.8 | 25.7 | 1.30 |
| F28 | 22 May 2017 | 28 | 10.70 | 91.01 | 4.3 | 33.62 | 7.8 | 25.8 | 1.12 |
| F28 | 22 May 2017 | 29 | 10.70 | 91.35 | 4.2 | 33.62 | 7.8 | 25.8 | 1.20 |
| F28 | 22 May 2017 | 30 | 10.69 | 91.37 | 4.2 | 33.62 | 7.8 | 25.8 | 1.02 |
| F28 | 22 May 2017 | 31 | 10.68 | 91.41 | 4.2 | 33.62 | 7.8 | 25.8 | 1.00 |
| F28 | 22 May 2017 | 32 | 10.65 | 91.30 | 4.1 | 33.63 | 7.8 | 25.8 | 1.10 |
| F28 | 22 May 2017 | 33 | 10.66 | 91.42 | 4.1 | 33.62 | 7.8 | 25.8 | 0.91 |
| F28 | 22 May 2017 | 34 | 10.62 | 91.47 | 4.1 | 33.63 | 7.8 | 25.8 | 0.95 |
| F28 | 22 May 2017 | 35 | 10.57 | 91.49 | 4.0 | 33.64 | 7.8 | 25.8 | 0.78 |
| F28 | 22 May 2017 | 36 | 10.46 | 91.84 | 4.1 | 33.66 | 7.8 | 25.8 | 0.84 |
| F28 | 22 May 2017 | 37 | 10.41 | 92.26 | 4.2 | 33.66 | 7.8 | 25.8 | 0.80 |
| F28 | 22 May 2017 | 38 | 10.36 | 92.57 | 4.2 | 33.67 | 7.8 | 25.9 | 0.69 |
| F28 | 22 May 2017 | 39 | 10.32 | 92.77 | 4.2 | 33.67 | 7.8 | 25.9 | 0.66 |
| F28 | 22 May 2017 | 40 | 10.32 | 92.90 | 4.1 | 33.67 | 7.8 | 25.9 | 0.46 |
| F28 | 22 May 2017 | 41 | 10.31 | 92.59 | 4.0 | 33.68 | 7.8 | 25.9 | 0.39 |
| F28 | 22 May 2017 | 42 | 10.32 | 91.94 | 4.0 | 33.68 | 7.8 | 25.9 | 0.47 |
| F28 | 22 May 2017 | 43 | 10.30 | 91.62 | 3.9 | 33.69 | 7.8 | 25.9 | 0.31 |
| F28 | 22 May 2017 | 44 | 10.27 | 91.29 | 3.7 | 33.71 | 7.8 | 25.9 | 0.32 |
| F28 | 22 May 2017 | 45 | 10.25 | 90.87 | 3.6 | 33.71 | 7.8 | 25.9 | 0.27 |
| F28 | 22 May 2017 | 46 | 10.23 | 90.74 | 3.6 | 33.72 | 7.8 | 25.9 | 0.31 |
| F28 | 22 May 2017 | 47 | 10.19 | 90.82 | 3.6 | 33.73 | 7.8 | 25.9 | 0.26 |
| F28 | 22 May 2017 | 48 | 10.15 | 90.98 | 3.6 | 33.73 | 7.8 | 25.9 | 0.22 |
| F28 | 22 May 2017 | 49 | 10.12 | 91.11 | 3.6 | 33.73 | 7.8 | 25.9 | 0.21 |
| F28 | 22 May 2017 | 50 | 10.11 | 91.38 | 3.6 | 33.73 | 7.8 | 25.9 | 0.19 |
| F28 | 22 May 2017 | 51 | 10.10 | 91.42 | 3.6 | 33.73 | 7.8 | 25.9 | 0.16 |
| F28 | 22 May 2017 | 52 | 10.09 | 91.48 | 3.6 | 33.73 | 7.8 | 25.9 | 0.14 |
| F28 | 22 May 2017 | 53 | 10.07 | 91.56 | 3.6 | 33.73 | 7.8 | 25.9 | 0.12 |
| F28 | 22 May 2017 | 54 | 10.07 | 91.56 | 3.6 | 33.73 | 7.8 | 25.9 | 0.10 |
| F28 | 22 May 2017 | 55 | 10.07 | 91.32 | 3.6 | 33.73 | 7.8 | 25.9 | 0.09 |
| F28 | 22 May 2017 | 56 | 10.06 | 91.52 | 3.6 | 33.73 | 7.8 | 25.9 | 0.10 |
| F28 | 22 May 2017 | 57 | 10.05 | 91.51 | 3.5 | 33.73 | 7.8 | 26.0 | 0.07 |
| F28 | 22 May 2017 | 58 | 10.05 | 91.46 | 3.5 | 33.73 | 7.8 | 26.0 | 0.06 |
| F28 | 22 May 2017 | 59 | 10.05 | 91.39 | 3.5 | 33.73 | 7.8 | 26.0 | 0.07 |
| F28 | 22 May 2017 | 60 | 10.05 | 91.01 | 3.5 | 33.74 | 7.8 | 26.0 | 0.06 |
| F28 | 22 May 2017 | 61 | 10.03 | 90.89 | 3.5 | 33.74 | 7.8 | 26.0 | 0.06 |
| F28 | 22 May 2017 | 62 | 10.02 | 91.23 | 3.5 | 33.74 | 7.8 | 26.0 | 0.05 |
| F28 | 22 May 2017 | 63 | 10.02 | 91.46 | 3.5 | 33.74 | 7.8 | 26.0 | 0.05 |
| F28 | 22 May 2017 | 64 | 10.02 | 91.79 | 3.5 | 33.75 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 65 | 10.02 | 91.99 | 3.6 | 33.74 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 66 | 10.02 | 92.04 | 3.6 | 33.75 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 67 | 10.02 | 92.32 | 3.6 | 33.75 | 7.8 | 26.0 | 0.03 |
| F28 | 22 May 2017 | 68 | 10.02 | 92.51 | 3.6 | 33.75 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 69 | 10.00 | 92.57 | 3.6 | 33.76 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 70 | 9.99 | 92.46 | 3.6 | 33.76 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 71 | 9.97 | 92.49 | 3.6 | 33.77 | 7.8 | 26.0 | 0.04 |
| F28 | 22 May 2017 | 72 | 9.95 | 92.44 | 3.6 | 33.79 | 7.8 | 26.0 | 0.05 |
| F28 | 22 May 2017 | 73 | 9.90 | 92.32 | 3.5 | 33.81 | 7.8 | 26.0 | 0.06 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F28 | 22 May 2017 | 74 | 9.88 | 92.21 | 3.4 | 33.83 | 7.8 | 26.1 | 0.05 |
| F28 | 22 May 2017 | 75 | 9.87 | 92.11 | 3.4 | 33.84 | 7.8 | 26.1 | 0.03 |
| F28 | 22 May 2017 | 76 | 9.87 | 91.99 | 3.4 | 33.84 | 7.8 | 26.1 | 0.03 |
| F28 | 22 May 2017 | 77 | 9.86 | 92.00 | 3.3 | 33.84 | 7.8 | 26.1 | 0.03 |
| F28 | 22 May 2017 | 78 | 9.83 | 92.08 | 3.3 | 33.86 | 7.8 | 26.1 | 0.03 |
| F28 | 22 May 2017 | 79 | 9.79 | 92.27 | 3.3 | 33.87 | 7.8 | 26.1 | 0.03 |
| F28 | 22 May 2017 | 80 | 9.76 | 92.48 | 3.3 | 33.88 | 7.8 | 26.1 | 0.01 |
| F28 | 22 May 2017 | 81 | 9.75 | 92.53 | 3.3 | 33.88 | 7.7 | 26.1 | 0.02 |
| F28 | 22 May 2017 | 82 | 9.74 | 92.60 | 3.2 | 33.88 | 7.7 | 26.1 | 0.02 |
| F28 | 22 May 2017 | 83 | 9.72 | 92.59 | 3.2 | 33.89 | 7.7 | 26.1 | 0.01 |
| F28 | 22 May 2017 | 84 | 9.70 | 92.58 | 3.2 | 33.90 | 7.7 | 26.1 | 0.01 |
| F28 | 22 May 2017 | 85 | 9.69 | 92.36 | 3.1 | 33.91 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 86 | 9.68 | 92.39 | 3.1 | 33.92 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 87 | 9.67 | 92.44 | 3.0 | 33.93 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 88 | 9.67 | 92.31 | 3.0 | 33.94 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 89 | 9.66 | 92.04 | 3.0 | 33.95 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 90 | 9.66 | 91.85 | 3.0 | 33.95 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 91 | 9.66 | 91.49 | 3.0 | 33.95 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 92 | 9.66 | 91.27 | 3.0 | 33.95 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 93 | 9.66 | 91.34 | 3.0 | 33.95 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 94 | 9.65 | 91.34 | 2.9 | 33.96 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 95 | 9.63 | 90.93 | 2.9 | 33.97 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 96 | 9.62 | 89.90 | 2.9 | 33.97 | 7.7 | 26.2 | 0.01 |
| F28 | 22 May 2017 | 97 | 9.62 | 89.59 | 2.9 | 33.97 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 98 | 9.61 | 89.80 | 2.9 | 33.98 | 7.7 | 26.2 | NA |
| F28 | 22 May 2017 | 99 | 9.58 | 90.02 | 2.9 | 34.00 | 7.7 | 26.2 | NA |
| | | | | | | | | | |
| F29 | 22 May 2017 | 1 | 19.14 | 83.23 | 8.2 | 33.49 | 8.2 | 23.8 | 0.40 |
| F29 | 22 May 2017 | 2 | 18.90 | 83.29 | 8.1 | 33.58 | 8.2 | 24.0 | 0.39 |
| F29 | 22 May 2017 | 3 | 16.88 | 83.24 | 8.4 | 33.73 | 8.2 | 24.6 | 0.41 |
| F29 | 22 May 2017 | 4 | 15.68 | 83.23 | 8.7 | 33.64 | 8.2 | 24.8 | 0.41 |
| F29 | 22 May 2017 | 5 | 14.59 | 83.38 | 8.9 | 33.65 | 8.2 | 25.0 | 0.46 |
| F29 | 22 May 2017 | 6 | 13.93 | 81.54 | 8.8 | 33.57 | 8.2 | 25.1 | 0.59 |
| F29 | 22 May 2017 | 7 | 13.21 | 80.30 | 8.9 | 33.62 | 8.2 | 25.3 | 0.75 |
| F29 | 22 May 2017 | 8 | 12.35 | 78.33 | 9.0 | 33.60 | 8.2 | 25.4 | 1.00 |
| F29 | 22 May 2017 | 9 | 12.15 | 64.86 | 8.5 | 33.52 | 8.1 | 25.4 | 2.00 |
| F29 | 22 May 2017 | 10 | 12.04 | 52.89 | 7.7 | 33.51 | 8.1 | 25.4 | 10.59 |
| F29 | 22 May 2017 | 11 | 11.84 | 59.63 | 6.8 | 33.52 | 8.0 | 25.5 | 23.76 |
| F29 | 22 May 2017 | 12 | 11.61 | 66.77 | 6.0 | 33.52 | 7.9 | 25.5 | 24.74 |
| F29 | 22 May 2017 | 13 | 11.52 | 75.08 | 5.3 | 33.52 | 7.9 | 25.5 | 21.25 |
| F29 | 22 May 2017 | 14 | 11.50 | 82.49 | 5.1 | 33.52 | 7.9 | 25.5 | 13.94 |
| F29 | 22 May 2017 | 15 | 11.42 | 85.14 | 5.0 | 33.52 | 7.9 | 25.6 | 10.63 |
| F29 | 22 May 2017 | 16 | 11.37 | 85.83 | 4.9 | 33.53 | 7.9 | 25.6 | 7.65 |
| F29 | 22 May 2017 | 17 | 11.29 | 86.55 | 4.9 | 33.54 | 7.9 | 25.6 | 6.09 |
| F29 | 22 May 2017 | 18 | 11.27 | 87.10 | 4.9 | 33.55 | 7.9 | 25.6 | 4.71 |
| F29 | 22 May 2017 | 19 | 11.13 | 88.26 | 4.8 | 33.56 | 7.9 | 25.6 | 4.41 |
| F29 | 22 May 2017 | 20 | 11.08 | 88.85 | 4.7 | 33.56 | 7.9 | 25.6 | 3.02 |
| F29 | 22 May 2017 | 21 | 10.99 | 89.29 | 4.6 | 33.58 | 7.9 | 25.7 | 2.68 |
| F29 | 22 May 2017 | 22 | 10.90 | 89.91 | 4.6 | 33.58 | 7.8 | 25.7 | 2.41 |
| F29 | 22 May 2017 | 23 | 10.88 | 91.07 | 4.5 | 33.58 | 7.8 | 25.7 | 2.14 |
| F29 | 22 May 2017 | 24 | 10.86 | 91.35 | 4.5 | 33.58 | 7.8 | 25.7 | 1.74 |
| F29 | 22 May 2017 | 25 | 10.80 | 91.48 | 4.5 | 33.60 | 7.8 | 25.7 | 1.39 |
| F29 | 22 May 2017 | 26 | 10.75 | 91.55 | 4.4 | 33.61 | 7.8 | 25.7 | 1.32 |
| F29 | 22 May 2017 | 27 | 10.73 | 91.93 | 4.4 | 33.61 | 7.8 | 25.7 | 1.22 |
| F29 | 22 May 2017 | 28 | 10.73 | 91.87 | 4.3 | 33.61 | 7.8 | 25.7 | 1.45 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F29 | 22 May 2017 | 29 | 10.71 | 91.74 | 4.2 | 33.62 | 7.8 | 25.7 | 0.89 |
| F29 | 22 May 2017 | 30 | 10.69 | 91.44 | 4.2 | 33.63 | 7.8 | 25.8 | 0.85 |
| F29 | 22 May 2017 | 31 | 10.66 | 91.55 | 4.1 | 33.64 | 7.8 | 25.8 | 0.86 |
| F29 | 22 May 2017 | 32 | 10.61 | 91.39 | 4.1 | 33.64 | 7.8 | 25.8 | 0.78 |
| F29 | 22 May 2017 | 33 | 10.60 | 91.47 | 4.0 | 33.63 | 7.8 | 25.8 | 0.79 |
| F29 | 22 May 2017 | 34 | 10.60 | 91.57 | 4.0 | 33.63 | 7.8 | 25.8 | 0.79 |
| F29 | 22 May 2017 | 35 | 10.60 | 91.51 | 4.0 | 33.64 | 7.8 | 25.8 | 0.79 |
| F29 | 22 May 2017 | 36 | 10.50 | 91.56 | 4.1 | 33.67 | 7.8 | 25.8 | 0.75 |
| F29 | 22 May 2017 | 37 | 10.37 | 91.78 | 4.1 | 33.67 | 7.8 | 25.9 | 0.69 |
| F29 | 22 May 2017 | 38 | 10.31 | 92.55 | 4.1 | 33.67 | 7.8 | 25.9 | 0.57 |
| F29 | 22 May 2017 | 39 | 10.28 | 92.79 | 4.2 | 33.68 | 7.8 | 25.9 | 0.50 |
| F29 | 22 May 2017 | 40 | 10.26 | 92.84 | 4.2 | 33.69 | 7.8 | 25.9 | 0.35 |
| F29 | 22 May 2017 | 41 | 10.22 | 92.55 | 4.1 | 33.69 | 7.8 | 25.9 | 0.34 |
| F29 | 22 May 2017 | 42 | 10.22 | 92.57 | 4.0 | 33.69 | 7.8 | 25.9 | 0.25 |
| F29 | 22 May 2017 | 43 | 10.20 | 92.26 | 3.9 | 33.71 | 7.8 | 25.9 | 0.23 |
| F29 | 22 May 2017 | 44 | 10.15 | 91.59 | 3.9 | 33.71 | 7.8 | 25.9 | 0.23 |
| F29 | 22 May 2017 | 45 | 10.11 | 92.06 | 3.9 | 33.73 | 7.8 | 25.9 | 0.21 |
| F29 | 22 May 2017 | 46 | 10.09 | 92.66 | 4.0 | 33.73 | 7.8 | 25.9 | 0.22 |
| F29 | 22 May 2017 | 47 | 10.06 | 92.39 | 3.9 | 33.73 | 7.8 | 25.9 | 0.17 |
| F29 | 22 May 2017 | 48 | 10.05 | 91.61 | 3.7 | 33.73 | 7.8 | 26.0 | 0.15 |
| F29 | 22 May 2017 | 49 | 10.02 | 90.71 | 3.6 | 33.74 | 7.8 | 26.0 | 0.13 |
| F29 | 22 May 2017 | 50 | 10.00 | 89.82 | 3.5 | 33.74 | 7.8 | 26.0 | 0.10 |
| F29 | 22 May 2017 | 51 | 10.00 | 89.77 | 3.4 | 33.73 | 7.8 | 26.0 | 0.10 |
| F29 | 22 May 2017 | 52 | 10.00 | 89.84 | 3.4 | 33.74 | 7.8 | 26.0 | 0.08 |
| F29 | 22 May 2017 | 53 | 10.00 | 90.28 | 3.4 | 33.74 | 7.8 | 26.0 | 0.15 |
| F29 | 22 May 2017 | 54 | 10.00 | 90.27 | 3.4 | 33.74 | 7.8 | 26.0 | 0.14 |
| F29 | 22 May 2017 | 55 | 10.00 | 90.56 | 3.4 | 33.74 | 7.8 | 26.0 | 0.10 |
| F29 | 22 May 2017 | 56 | 10.00 | 90.54 | 3.4 | 33.74 | 7.8 | 26.0 | 0.08 |
| F29 | 22 May 2017 | 57 | 10.00 | 90.59 | 3.4 | 33.73 | 7.8 | 26.0 | 0.08 |
| F29 | 22 May 2017 | 58 | 10.00 | 90.69 | 3.4 | 33.73 | 7.8 | 26.0 | 0.07 |
| F29 | 22 May 2017 | 59 | 9.99 | 90.75 | 3.4 | 33.74 | 7.8 | 26.0 | 0.05 |
| F29 | 22 May 2017 | 60 | 9.99 | 90.46 | 3.4 | 33.74 | 7.8 | 26.0 | 0.05 |
| F29 | 22 May 2017 | 61 | 9.98 | 90.64 | 3.4 | 33.74 | 7.8 | 26.0 | 0.05 |
| F29 | 22 May 2017 | 62 | 9.97 | 90.72 | 3.4 | 33.74 | 7.8 | 26.0 | 0.06 |
| F29 | 22 May 2017 | 63 | 9.94 | 90.35 | 3.3 | 33.74 | 7.7 | 26.0 | 0.05 |
| F29 | 22 May 2017 | 64 | 9.92 | 89.83 | 3.3 | 33.74 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 65 | 9.86 | 88.95 | 3.2 | 33.74 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 66 | 9.85 | 88.50 | 3.1 | 33.74 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 67 | 9.86 | 88.31 | 3.0 | 33.74 | 7.7 | 26.0 | 0.05 |
| F29 | 22 May 2017 | 68 | 9.90 | 89.32 | 3.1 | 33.74 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 69 | 9.95 | 89.72 | 3.2 | 33.76 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 70 | 9.98 | 89.83 | 3.2 | 33.77 | 7.7 | 26.0 | 0.02 |
| F29 | 22 May 2017 | 71 | 9.98 | 89.64 | 3.2 | 33.78 | 7.7 | 26.0 | 0.02 |
| F29 | 22 May 2017 | 72 | 9.99 | 89.46 | 3.2 | 33.79 | 7.7 | 26.0 | 0.03 |
| F29 | 22 May 2017 | 73 | 9.96 | 88.92 | 3.2 | 33.81 | 7.7 | 26.0 | 0.02 |
| F29 | 22 May 2017 | 74 | 9.90 | 88.95 | 3.3 | 33.82 | 7.7 | 26.1 | 0.04 |
| F29 | 22 May 2017 | 75 | 9.85 | 91.58 | 3.4 | 33.84 | 7.7 | 26.1 | 0.03 |
| F29 | 22 May 2017 | 76 | 9.82 | 91.93 | 3.4 | 33.86 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 77 | 9.81 | 91.85 | 3.3 | 33.86 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 78 | 9.81 | 91.80 | 3.2 | 33.86 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 79 | 9.81 | 91.72 | 3.2 | 33.86 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 80 | 9.82 | 91.64 | 3.2 | 33.87 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 81 | 9.81 | 91.28 | 3.2 | 33.87 | 7.7 | 26.1 | 0.02 |
| F29 | 22 May 2017 | 82 | 9.80 | 91.26 | 3.2 | 33.88 | 7.7 | 26.1 | 0.01 |
| F29 | 22 May 2017 | 83 | 9.80 | 91.16 | 3.1 | 33.88 | 7.7 | 26.1 | 0.02 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F29 | 22 May 2017 | 84 | 9.79 | 90.73 | 3.1 | 33.88 | 7.7 | 26.1 | 0.01 |
| F29 | 22 May 2017 | 85 | 9.77 | 90.12 | 3.1 | 33.90 | 7.7 | 26.1 | 0.01 |
| F29 | 22 May 2017 | 86 | 9.73 | 89.87 | 3.0 | 33.92 | 7.7 | 26.2 | 0.02 |
| F29 | 22 May 2017 | 87 | 9.71 | 90.86 | 3.0 | 33.92 | 7.7 | 26.2 | 0.02 |
| F29 | 22 May 2017 | 88 | 9.70 | 91.42 | 3.0 | 33.93 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 89 | 9.68 | 90.91 | 3.0 | 33.94 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 90 | 9.68 | 90.60 | 3.0 | 33.94 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 91 | 9.66 | 91.07 | 3.0 | 33.94 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 92 | 9.66 | 91.39 | 3.0 | 33.94 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 93 | 9.66 | 91.29 | 3.0 | 33.94 | 7.7 | 26.2 | 0.05 |
| F29 | 22 May 2017 | 94 | 9.66 | 91.09 | 3.0 | 33.95 | 7.7 | 26.2 | 0.02 |
| F29 | 22 May 2017 | 95 | 9.65 | 90.61 | 3.0 | 33.95 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 96 | 9.64 | 90.48 | 3.0 | 33.95 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 97 | 9.61 | 90.33 | 3.0 | 33.97 | 7.7 | 26.2 | 0.01 |
| F29 | 22 May 2017 | 98 | 9.60 | 89.51 | 3.0 | 33.98 | 7.7 | 26.2 | 0.01 |
| | | | | | | | | | |
| F30 | 22 May 2017 | 1 | 18.97 | 82.70 | 8.2 | 33.50 | 8.2 | 23.9 | 0.41 |
| F30 | 22 May 2017 | 2 | 18.98 | 82.66 | 8.2 | 33.48 | 8.2 | 23.9 | 0.43 |
| F30 | 22 May 2017 | 3 | 18.49 | 82.75 | 8.1 | 33.66 | 8.2 | 24.1 | 0.43 |
| F30 | 22 May 2017 | 4 | 16.28 | 82.74 | 8.5 | 33.77 | 8.2 | 24.7 | 0.45 |
| F30 | 22 May 2017 | 5 | 15.04 | 82.42 | 8.8 | 33.67 | 8.2 | 24.9 | 0.48 |
| F30 | 22 May 2017 | 6 | 14.23 | 81.54 | 8.9 | 33.63 | 8.2 | 25.1 | 0.60 |
| F30 | 22 May 2017 | 7 | 13.77 | 80.84 | 8.8 | 33.57 | 8.2 | 25.1 | 0.81 |
| F30 | 22 May 2017 | 8 | 13.07 | 78.82 | 8.9 | 33.65 | 8.2 | 25.3 | 1.04 |
| F30 | 22 May 2017 | 9 | 12.16 | 76.14 | 9.0 | 33.68 | 8.2 | 25.5 | 1.54 |
| F30 | 22 May 2017 | 10 | 11.98 | 70.76 | 8.6 | 33.54 | 8.1 | 25.5 | 3.25 |
| F30 | 22 May 2017 | 11 | 11.90 | 55.08 | 7.8 | 33.52 | 8.1 | 25.5 | 9.70 |
| F30 | 22 May 2017 | 12 | 11.77 | 47.52 | 6.8 | 33.53 | 8.0 | 25.5 | 20.56 |
| F30 | 22 May 2017 | 13 | 11.64 | 47.85 | 5.9 | 33.54 | 7.9 | 25.5 | 27.62 |
| F30 | 22 May 2017 | 14 | 11.42 | 56.60 | 5.4 | 33.55 | 7.9 | 25.6 | 27.73 |
| F30 | 22 May 2017 | 15 | 11.40 | 69.08 | 5.1 | 33.53 | 7.9 | 25.6 | 24.85 |
| F30 | 22 May 2017 | 16 | 11.38 | 78.15 | 5.0 | 33.53 | 7.9 | 25.6 | 19.16 |
| F30 | 22 May 2017 | 17 | 11.35 | 83.57 | 4.9 | 33.54 | 7.9 | 25.6 | 11.64 |
| F30 | 22 May 2017 | 18 | 11.35 | 85.96 | 4.9 | 33.55 | 7.9 | 25.6 | 9.73 |
| F30 | 22 May 2017 | 19 | 11.28 | 85.89 | 4.9 | 33.55 | 7.9 | 25.6 | 9.21 |
| F30 | 22 May 2017 | 20 | 11.18 | 86.05 | 4.8 | 33.56 | 7.9 | 25.6 | 7.35 |
| F30 | 22 May 2017 | 21 | 11.12 | 86.62 | 4.8 | 33.56 | 7.9 | 25.6 | 5.79 |
| F30 | 22 May 2017 | 22 | 11.06 | 88.53 | 4.7 | 33.57 | 7.8 | 25.7 | 4.69 |
| F30 | 22 May 2017 | 23 | 11.12 | 87.65 | 4.6 | 33.57 | 7.8 | 25.6 | 3.57 |
| F30 | 22 May 2017 | 24 | 10.97 | 89.12 | 4.6 | 33.59 | 7.8 | 25.7 | 2.62 |
| F30 | 22 May 2017 | 25 | 10.95 | 90.58 | 4.5 | 33.58 | 7.8 | 25.7 | 2.68 |
| F30 | 22 May 2017 | 26 | 10.93 | 90.61 | 4.5 | 33.59 | 7.8 | 25.7 | 2.28 |
| F30 | 22 May 2017 | 27 | 10.88 | 90.91 | 4.5 | 33.60 | 7.8 | 25.7 | 1.76 |
| F30 | 22 May 2017 | 28 | 10.87 | 91.41 | 4.5 | 33.60 | 7.8 | 25.7 | 1.49 |
| F30 | 22 May 2017 | 29 | 10.85 | 91.49 | 4.4 | 33.59 | 7.8 | 25.7 | 1.62 |
| F30 | 22 May 2017 | 30 | 10.83 | 91.18 | 4.4 | 33.60 | 7.8 | 25.7 | 1.13 |
| F30 | 22 May 2017 | 31 | 10.80 | 91.55 | 4.4 | 33.60 | 7.8 | 25.7 | 1.15 |
| F30 | 22 May 2017 | 32 | 10.75 | 91.65 | 4.4 | 33.60 | 7.8 | 25.7 | 1.19 |
| F30 | 22 May 2017 | 33 | 10.70 | 91.96 | 4.4 | 33.61 | 7.8 | 25.7 | 1.11 |
| F30 | 22 May 2017 | 34 | 10.63 | 92.10 | 4.4 | 33.62 | 7.8 | 25.8 | 0.87 |
| F30 | 22 May 2017 | 35 | 10.62 | 92.47 | 4.4 | 33.62 | 7.8 | 25.8 | 0.77 |
| F30 | 22 May 2017 | 36 | 10.61 | 92.53 | 4.4 | 33.61 | 7.8 | 25.8 | 0.66 |
| F30 | 22 May 2017 | 37 | 10.60 | 92.53 | 4.3 | 33.61 | 7.8 | 25.8 | 0.64 |
| F30 | 22 May 2017 | 38 | 10.60 | 92.46 | 4.2 | 33.62 | 7.8 | 25.8 | 0.74 |
| F30 | 22 May 2017 | 39 | 10.60 | 92.25 | 4.1 | 33.62 | 7.8 | 25.8 | 0.70 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F30 | 22 May 2017 | 40 | 10.60 | 91.89 | 4.0 | 33.63 | 7.8 | 25.8 | 0.59 |
| F30 | 22 May 2017 | 41 | 10.59 | 91.73 | 4.0 | 33.64 | 7.8 | 25.8 | 0.58 |
| F30 | 22 May 2017 | 42 | 10.58 | 91.66 | 3.9 | 33.64 | 7.8 | 25.8 | 0.61 |
| F30 | 22 May 2017 | 43 | 10.53 | 91.65 | 3.9 | 33.66 | 7.8 | 25.8 | 0.55 |
| F30 | 22 May 2017 | 44 | 10.36 | 91.68 | 4.0 | 33.70 | 7.8 | 25.9 | 0.60 |
| F30 | 22 May 2017 | 45 | 10.25 | 92.23 | 4.1 | 33.70 | 7.8 | 25.9 | 0.60 |
| F30 | 22 May 2017 | 46 | 10.23 | 92.76 | 4.1 | 33.70 | 7.8 | 25.9 | 0.55 |
| F30 | 22 May 2017 | 47 | 10.22 | 92.83 | 4.1 | 33.70 | 7.8 | 25.9 | 0.34 |
| F30 | 22 May 2017 | 48 | 10.21 | 92.74 | 4.0 | 33.70 | 7.8 | 25.9 | 0.35 |
| F30 | 22 May 2017 | 49 | 10.18 | 92.68 | 4.0 | 33.71 | 7.8 | 25.9 | 0.26 |
| F30 | 22 May 2017 | 50 | 10.17 | 92.51 | 4.0 | 33.70 | 7.8 | 25.9 | 0.20 |
| F30 | 22 May 2017 | 51 | 10.03 | 92.22 | 3.9 | 33.74 | 7.8 | 26.0 | 0.18 |
| F30 | 22 May 2017 | 52 | 9.91 | 91.62 | 3.7 | 33.76 | 7.8 | 26.0 | 0.17 |
| F30 | 22 May 2017 | 53 | 9.84 | 89.06 | 3.4 | 33.76 | 7.7 | 26.0 | 0.14 |
| F30 | 22 May 2017 | 54 | 9.82 | 86.96 | 3.3 | 33.75 | 7.7 | 26.0 | 0.18 |
| F30 | 22 May 2017 | 55 | 9.81 | 86.01 | 3.2 | 33.75 | 7.7 | 26.0 | 0.11 |
| F30 | 22 May 2017 | 56 | 9.80 | 85.00 | 3.1 | 33.75 | 7.7 | 26.0 | 0.11 |
| F30 | 22 May 2017 | 57 | 9.79 | 84.76 | 3.1 | 33.76 | 7.7 | 26.0 | 0.10 |
| F30 | 22 May 2017 | 58 | 9.79 | 84.79 | 3.1 | 33.75 | 7.7 | 26.0 | 0.05 |
| F30 | 22 May 2017 | 59 | 9.78 | 84.66 | 3.1 | 33.75 | 7.7 | 26.0 | 0.05 |
| F30 | 22 May 2017 | 60 | 9.78 | 84.66 | 3.1 | 33.75 | 7.7 | 26.0 | 0.05 |
| F30 | 22 May 2017 | 61 | 9.78 | 84.77 | 3.0 | 33.75 | 7.7 | 26.0 | 0.08 |
| F30 | 22 May 2017 | 62 | 9.78 | 85.04 | 3.0 | 33.76 | 7.7 | 26.0 | 0.04 |
| F30 | 22 May 2017 | 63 | 9.78 | 85.20 | 3.0 | 33.76 | 7.7 | 26.0 | 0.05 |
| F30 | 22 May 2017 | 64 | 9.78 | 85.30 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 65 | 9.78 | 85.51 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 66 | 9.78 | 85.65 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 67 | 9.78 | 85.44 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 68 | 9.78 | 85.58 | 3.0 | 33.76 | 7.7 | 26.0 | 0.04 |
| F30 | 22 May 2017 | 69 | 9.78 | 85.81 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 70 | 9.78 | 85.41 | 3.0 | 33.76 | 7.7 | 26.0 | 0.05 |
| F30 | 22 May 2017 | 71 | 9.77 | 85.37 | 3.0 | 33.76 | 7.7 | 26.0 | 0.02 |
| F30 | 22 May 2017 | 72 | 9.77 | 85.53 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 73 | 9.77 | 85.20 | 3.0 | 33.76 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 74 | 9.76 | 84.76 | 3.0 | 33.77 | 7.7 | 26.0 | 0.03 |
| F30 | 22 May 2017 | 75 | 9.76 | 84.84 | 3.0 | 33.77 | 7.7 | 26.0 | 0.02 |
| F30 | 22 May 2017 | 76 | 9.76 | 84.76 | 3.0 | 33.77 | 7.7 | 26.0 | 0.02 |
| F30 | 22 May 2017 | 77 | 9.76 | 85.01 | 3.0 | 33.77 | 7.7 | 26.0 | 0.01 |
| F30 | 22 May 2017 | 78 | 9.76 | 84.71 | 3.0 | 33.77 | 7.7 | 26.0 | NA |
| F30 | 22 May 2017 | 79 | 9.75 | 85.07 | 3.0 | 33.77 | 7.7 | 26.0 | 0.02 |
| F30 | 22 May 2017 | 80 | 9.75 | 85.17 | 3.0 | 33.78 | 7.7 | 26.0 | 0.01 |
| F30 | 22 May 2017 | 81 | 9.74 | 85.22 | 3.0 | 33.79 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 82 | 9.72 | 85.24 | 3.0 | 33.81 | 7.7 | 26.1 | NA |
| F30 | 22 May 2017 | 83 | 9.71 | 85.62 | 3.0 | 33.84 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 84 | 9.70 | 86.43 | 3.0 | 33.86 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 85 | 9.70 | 87.12 | 3.0 | 33.87 | 7.7 | 26.1 | 0.02 |
| F30 | 22 May 2017 | 86 | 9.69 | 87.70 | 3.0 | 33.88 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 87 | 9.68 | 87.98 | 3.0 | 33.88 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 88 | 9.68 | 87.77 | 3.0 | 33.89 | 7.7 | 26.1 | NA |
| F30 | 22 May 2017 | 89 | 9.68 | 87.71 | 3.0 | 33.89 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 90 | 9.68 | 88.46 | 3.0 | 33.90 | 7.7 | 26.1 | NA |
| F30 | 22 May 2017 | 91 | 9.68 | 88.58 | 3.1 | 33.90 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 92 | 9.68 | 89.15 | 3.1 | 33.90 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 93 | 9.68 | 89.18 | 3.0 | 33.90 | 7.7 | 26.1 | 0.01 |
| F30 | 22 May 2017 | 94 | 9.67 | 89.41 | 3.1 | 33.90 | 7.7 | 26.1 | 0.01 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F30 | 22 May 2017 | 95 | 9.68 | 89.82 | 3.1 | 33.91 | 7.7 | 26.2 | NA |
| F30 | 22 May 2017 | 96 | 9.65 | 90.54 | 3.1 | 33.92 | 7.7 | 26.2 | NA |
| F30 | 22 May 2017 | 97 | 9.62 | 90.59 | 3.1 | 33.95 | 7.7 | 26.2 | 0.01 |
| | | | | | | | | | |
| F31 | 22 May 2017 | 1 | 19.00 | 82.44 | 8.3 | 33.50 | 8.2 | 23.9 | 0.49 |
| F31 | 22 May 2017 | 2 | 18.98 | 82.37 | 8.2 | 33.51 | 8.2 | 23.9 | 0.52 |
| F31 | 22 May 2017 | 3 | 18.88 | 82.34 | 8.2 | 33.52 | 8.2 | 23.9 | 0.50 |
| F31 | 22 May 2017 | 4 | 18.64 | 82.32 | 8.3 | 33.54 | 8.2 | 24.0 | 0.50 |
| F31 | 22 May 2017 | 5 | 18.09 | 82.29 | 8.3 | 33.61 | 8.2 | 24.2 | 0.54 |
| F31 | 22 May 2017 | 6 | 17.10 | 82.52 | 8.5 | 33.68 | 8.2 | 24.5 | 0.60 |
| F31 | 22 May 2017 | 7 | 15.93 | 82.62 | 8.5 | 33.66 | 8.2 | 24.7 | 0.68 |
| F31 | 22 May 2017 | 8 | 14.93 | 82.25 | 8.5 | 33.63 | 8.2 | 24.9 | 0.80 |
| F31 | 22 May 2017 | 9 | 14.34 | 80.99 | 8.5 | 33.59 | 8.2 | 25.0 | 0.90 |
| F31 | 22 May 2017 | 10 | 13.72 | 78.43 | 8.7 | 33.58 | 8.2 | 25.1 | 1.22 |
| F31 | 22 May 2017 | 11 | 13.22 | 77.88 | 9.0 | 33.60 | 8.2 | 25.3 | 1.68 |
| F31 | 22 May 2017 | 12 | 12.96 | 76.05 | 8.9 | 33.52 | 8.2 | 25.3 | 2.07 |
| F31 | 22 May 2017 | 13 | 12.50 | 70.93 | 8.7 | 33.60 | 8.2 | 25.4 | 2.90 |
| F31 | 22 May 2017 | 14 | 11.94 | 56.91 | 8.0 | 33.59 | 8.1 | 25.5 | 6.43 |
| F31 | 22 May 2017 | 15 | 11.71 | 50.69 | 6.9 | 33.55 | 8.0 | 25.5 | 18.02 |
| F31 | 22 May 2017 | 16 | 11.64 | 62.88 | 6.0 | 33.53 | 8.0 | 25.5 | 22.12 |
| F31 | 22 May 2017 | 17 | 11.61 | 69.76 | 5.6 | 33.51 | 7.9 | 25.5 | 20.82 |
| F31 | 22 May 2017 | 18 | 11.58 | 70.56 | 5.3 | 33.50 | 7.9 | 25.5 | 17.87 |
| F31 | 22 May 2017 | 19 | 11.50 | 72.50 | 5.2 | 33.52 | 7.9 | 25.5 | 16.57 |
| F31 | 22 May 2017 | 20 | 11.45 | 75.26 | 5.0 | 33.53 | 7.9 | 25.5 | 13.18 |
| F31 | 22 May 2017 | 21 | 11.37 | 79.43 | 4.9 | 33.53 | 7.9 | 25.6 | 11.54 |
| F31 | 22 May 2017 | 22 | 11.28 | 82.81 | 4.8 | 33.54 | 7.9 | 25.6 | 9.22 |
| F31 | 22 May 2017 | 23 | 11.21 | 85.25 | 4.8 | 33.55 | 7.9 | 25.6 | 6.94 |
| F31 | 22 May 2017 | 24 | 11.20 | 87.02 | 4.7 | 33.54 | 7.9 | 25.6 | 5.91 |
| F31 | 22 May 2017 | 25 | 11.18 | 87.57 | 4.7 | 33.55 | 7.9 | 25.6 | 4.20 |
| F31 | 22 May 2017 | 26 | 11.15 | 88.03 | 4.7 | 33.55 | 7.9 | 25.6 | 3.36 |
| F31 | 22 May 2017 | 27 | 11.04 | 88.68 | 4.6 | 33.59 | 7.9 | 25.7 | 3.12 |
| F31 | 22 May 2017 | 28 | 10.96 | 89.42 | 4.6 | 33.59 | 7.8 | 25.7 | 2.90 |
| F31 | 22 May 2017 | 29 | 10.93 | 89.82 | 4.5 | 33.58 | 7.8 | 25.7 | 2.33 |
| F31 | 22 May 2017 | 30 | 10.90 | 90.09 | 4.5 | 33.59 | 7.8 | 25.7 | 2.72 |
| F31 | 22 May 2017 | 31 | 10.85 | 90.44 | 4.5 | 33.59 | 7.8 | 25.7 | 2.41 |
| F31 | 22 May 2017 | 32 | 10.81 | 90.62 | 4.4 | 33.59 | 7.8 | 25.7 | 2.40 |
| F31 | 22 May 2017 | 33 | 10.79 | 90.84 | 4.4 | 33.60 | 7.8 | 25.7 | 2.04 |
| F31 | 22 May 2017 | 34 | 10.76 | 91.17 | 4.5 | 33.60 | 7.8 | 25.7 | 1.67 |
| F31 | 22 May 2017 | 35 | 10.73 | 91.56 | 4.4 | 33.60 | 7.8 | 25.7 | 1.52 |
| F31 | 22 May 2017 | 36 | 10.70 | 91.68 | 4.4 | 33.60 | 7.8 | 25.7 | 1.09 |
| F31 | 22 May 2017 | 37 | 10.69 | 91.81 | 4.4 | 33.60 | 7.8 | 25.7 | 1.01 |
| F31 | 22 May 2017 | 38 | 10.68 | 92.09 | 4.4 | 33.60 | 7.8 | 25.7 | 0.88 |
| F31 | 22 May 2017 | 39 | 10.68 | 92.20 | 4.4 | 33.60 | 7.8 | 25.7 | 0.89 |
| F31 | 22 May 2017 | 40 | 10.68 | 92.34 | 4.4 | 33.60 | 7.8 | 25.7 | 0.83 |
| F31 | 22 May 2017 | 41 | 10.67 | 92.27 | 4.4 | 33.60 | 7.8 | 25.7 | 0.78 |
| F31 | 22 May 2017 | 42 | 10.67 | 92.30 | 4.3 | 33.60 | 7.8 | 25.7 | 0.86 |
| F31 | 22 May 2017 | 43 | 10.64 | 92.27 | 4.3 | 33.61 | 7.8 | 25.8 | 0.70 |
| F31 | 22 May 2017 | 44 | 10.60 | 92.23 | 4.3 | 33.62 | 7.8 | 25.8 | 0.60 |
| F31 | 22 May 2017 | 45 | 10.56 | 92.36 | 4.3 | 33.62 | 7.8 | 25.8 | 0.56 |
| F31 | 22 May 2017 | 46 | 10.55 | 92.58 | 4.3 | 33.62 | 7.8 | 25.8 | 0.53 |
| F31 | 22 May 2017 | 47 | 10.54 | 92.62 | 4.3 | 33.62 | 7.8 | 25.8 | 0.59 |
| F31 | 22 May 2017 | 48 | 10.54 | 92.67 | 4.2 | 33.62 | 7.8 | 25.8 | 0.54 |
| F31 | 22 May 2017 | 49 | 10.53 | 92.46 | 4.2 | 33.63 | 7.8 | 25.8 | 0.42 |
| F31 | 22 May 2017 | 50 | 10.47 | 92.49 | 4.2 | 33.65 | 7.8 | 25.8 | 0.67 |
| F31 | 22 May 2017 | 51 | 10.42 | 92.58 | 4.1 | 33.65 | 7.8 | 25.8 | 0.66 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F31 | 22 May 2017 | 52 | 10.39 | 92.72 | 4.1 | 33.66 | 7.8 | 25.8 | 0.58 |
| F31 | 22 May 2017 | 53 | 10.33 | 92.81 | 4.1 | 33.67 | 7.8 | 25.9 | 0.39 |
| F31 | 22 May 2017 | 54 | 10.27 | 92.86 | 4.1 | 33.68 | 7.8 | 25.9 | 0.40 |
| F31 | 22 May 2017 | 55 | 10.20 | 92.96 | 4.1 | 33.69 | 7.8 | 25.9 | 0.35 |
| F31 | 22 May 2017 | 56 | 10.19 | 93.08 | 4.1 | 33.69 | 7.8 | 25.9 | 0.25 |
| F31 | 22 May 2017 | 57 | 10.18 | 93.07 | 4.1 | 33.70 | 7.8 | 25.9 | 0.21 |
| F31 | 22 May 2017 | 58 | 10.15 | 93.14 | 4.1 | 33.70 | 7.8 | 25.9 | 0.17 |
| F31 | 22 May 2017 | 59 | 10.10 | 93.14 | 4.0 | 33.72 | 7.8 | 25.9 | 0.16 |
| F31 | 22 May 2017 | 60 | 10.03 | 92.66 | 4.0 | 33.73 | 7.8 | 26.0 | 0.17 |
| F31 | 22 May 2017 | 61 | 9.99 | 93.27 | 4.0 | 33.74 | 7.8 | 26.0 | 0.13 |
| F31 | 22 May 2017 | 62 | 9.98 | 93.34 | 4.0 | 33.76 | 7.8 | 26.0 | 0.14 |
| F31 | 22 May 2017 | 63 | 9.95 | 93.09 | 3.9 | 33.77 | 7.8 | 26.0 | 0.10 |
| F31 | 22 May 2017 | 64 | 9.92 | 93.15 | 3.9 | 33.77 | 7.8 | 26.0 | 0.08 |
| F31 | 22 May 2017 | 65 | 9.90 | 93.21 | 3.9 | 33.78 | 7.8 | 26.0 | 0.05 |
| F31 | 22 May 2017 | 66 | 9.88 | 93.27 | 3.9 | 33.79 | 7.8 | 26.0 | 0.04 |
| F31 | 22 May 2017 | 67 | 9.86 | 93.37 | 3.8 | 33.80 | 7.8 | 26.0 | 0.03 |
| F31 | 22 May 2017 | 68 | 9.85 | 93.30 | 3.8 | 33.81 | 7.8 | 26.0 | 0.03 |
| F31 | 22 May 2017 | 69 | 9.84 | 93.10 | 3.7 | 33.82 | 7.8 | 26.1 | 0.03 |
| F31 | 22 May 2017 | 70 | 9.82 | 93.00 | 3.7 | 33.83 | 7.8 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 71 | 9.82 | 92.80 | 3.6 | 33.83 | 7.8 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 72 | 9.81 | 92.98 | 3.7 | 33.83 | 7.8 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 73 | 9.81 | 93.03 | 3.7 | 33.83 | 7.8 | 26.1 | 0.03 |
| F31 | 22 May 2017 | 74 | 9.80 | 93.10 | 3.6 | 33.84 | 7.8 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 75 | 9.78 | 93.04 | 3.6 | 33.85 | 7.8 | 26.1 | NA |
| F31 | 22 May 2017 | 76 | 9.78 | 92.78 | 3.5 | 33.85 | 7.8 | 26.1 | 0.05 |
| F31 | 22 May 2017 | 77 | 9.78 | 92.47 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 78 | 9.78 | 92.32 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 79 | 9.78 | 92.24 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 80 | 9.78 | 92.13 | 3.4 | 33.85 | 7.7 | 26.1 | NA |
| F31 | 22 May 2017 | 81 | 9.78 | 92.01 | 3.4 | 33.86 | 7.7 | 26.1 | 0.03 |
| F31 | 22 May 2017 | 82 | 9.77 | 91.82 | 3.4 | 33.87 | 7.7 | 26.1 | 0.03 |
| F31 | 22 May 2017 | 83 | 9.74 | 91.69 | 3.3 | 33.88 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 84 | 9.74 | 91.72 | 3.3 | 33.88 | 7.7 | 26.1 | 0.03 |
| F31 | 22 May 2017 | 85 | 9.74 | 91.74 | 3.3 | 33.88 | 7.7 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 86 | 9.74 | 91.78 | 3.3 | 33.87 | 7.7 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 87 | 9.74 | 91.67 | 3.3 | 33.87 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 88 | 9.74 | 91.55 | 3.3 | 33.87 | 7.7 | 26.1 | 0.01 |
| F31 | 22 May 2017 | 89 | 9.74 | 91.61 | 3.3 | 33.87 | 7.7 | 26.1 | 0.04 |
| F31 | 22 May 2017 | 90 | 9.73 | 91.44 | 3.2 | 33.88 | 7.7 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 91 | 9.72 | 91.16 | 3.2 | 33.88 | 7.7 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 92 | 9.71 | 91.04 | 3.2 | 33.89 | 7.7 | 26.1 | NA |
| F31 | 22 May 2017 | 93 | 9.69 | 91.04 | 3.1 | 33.90 | 7.7 | 26.1 | 0.02 |
| F31 | 22 May 2017 | 94 | 9.67 | 90.98 | 3.1 | 33.91 | 7.7 | 26.2 | 0.01 |
| F31 | 22 May 2017 | 95 | 9.63 | 91.06 | 3.1 | 33.94 | 7.7 | 26.2 | 0.02 |
| F31 | 22 May 2017 | 96 | 9.61 | 90.71 | 3.1 | 33.96 | 7.7 | 26.2 | 0.01 |
| | | | | | | | | | |
| F32 | 22 May 2017 | 1 | 19.01 | 82.16 | 8.2 | 33.50 | 8.2 | 23.9 | 0.61 |
| F32 | 22 May 2017 | 2 | 18.98 | 82.06 | 8.2 | 33.51 | 8.2 | 23.9 | 0.62 |
| F32 | 22 May 2017 | 3 | 18.75 | 81.96 | 8.1 | 33.58 | 8.2 | 24.0 | 0.64 |
| F32 | 22 May 2017 | 4 | 17.59 | 82.20 | 8.3 | 33.70 | 8.2 | 24.4 | 0.65 |
| F32 | 22 May 2017 | 5 | 16.33 | 83.05 | 8.6 | 33.68 | 8.2 | 24.7 | 0.65 |
| F32 | 22 May 2017 | 6 | 15.24 | 84.11 | 8.7 | 33.69 | 8.2 | 24.9 | 0.73 |
| F32 | 22 May 2017 | 7 | 14.38 | 82.27 | 8.7 | 33.60 | 8.2 | 25.0 | 0.73 |
| F32 | 22 May 2017 | 8 | 13.99 | 79.38 | 8.7 | 33.64 | 8.2 | 25.1 | 0.92 |
| F32 | 22 May 2017 | 9 | 12.74 | 75.70 | 8.9 | 33.66 | 8.2 | 25.4 | 1.15 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F32 | 22 May 2017 | 10 | 12.70 | 65.46 | 8.7 | 33.54 | 8.1 | 25.3 | 1.96 |
| F32 | 22 May 2017 | 11 | 11.76 | 48.84 | 7.7 | 33.66 | 8.0 | 25.6 | 4.25 |
| F32 | 22 May 2017 | 12 | 11.51 | 66.08 | 6.1 | 33.57 | 7.9 | 25.6 | 7.51 |
| F32 | 22 May 2017 | 13 | 11.51 | 77.28 | 5.3 | 33.55 | 7.9 | 25.6 | 11.66 |
| F32 | 22 May 2017 | 14 | 11.45 | 80.82 | 5.1 | 33.53 | 7.9 | 25.5 | 9.66 |
| F32 | 22 May 2017 | 15 | 11.44 | 82.06 | 5.0 | 33.53 | 7.9 | 25.6 | 8.31 |
| F32 | 22 May 2017 | 16 | 11.44 | 83.11 | 5.0 | 33.54 | 7.9 | 25.6 | 6.97 |
| F32 | 22 May 2017 | 17 | 11.38 | 84.08 | 5.0 | 33.54 | 7.9 | 25.6 | 6.76 |
| F32 | 22 May 2017 | 18 | 11.24 | 85.26 | 4.8 | 33.56 | 7.8 | 25.6 | 6.32 |
| F32 | 22 May 2017 | 19 | 11.16 | 88.58 | 4.8 | 33.57 | 7.8 | 25.6 | 4.92 |
| F32 | 22 May 2017 | 20 | 11.13 | 89.82 | 4.7 | 33.56 | 7.8 | 25.6 | 3.74 |
| F32 | 22 May 2017 | 21 | 11.11 | 89.63 | 4.6 | 33.56 | 7.8 | 25.6 | 2.85 |
| F32 | 22 May 2017 | 22 | 11.00 | 90.10 | 4.6 | 33.59 | 7.8 | 25.7 | 2.34 |
| F32 | 22 May 2017 | 23 | 10.94 | 90.89 | 4.6 | 33.60 | 7.8 | 25.7 | 1.56 |
| F32 | 22 May 2017 | 24 | 10.82 | 91.02 | 4.5 | 33.61 | 7.8 | 25.7 | 1.40 |
| F32 | 22 May 2017 | 25 | 10.81 | 91.34 | 4.4 | 33.60 | 7.8 | 25.7 | 1.49 |
| F32 | 22 May 2017 | 26 | 10.80 | 91.31 | 4.4 | 33.60 | 7.8 | 25.7 | 1.32 |
| F32 | 22 May 2017 | 27 | 10.75 | 91.20 | 4.4 | 33.62 | 7.8 | 25.7 | 1.32 |
| F32 | 22 May 2017 | 28 | 10.69 | 91.66 | 4.4 | 33.62 | 7.8 | 25.8 | 1.23 |
| F32 | 22 May 2017 | 29 | 10.68 | 92.01 | 4.4 | 33.62 | 7.8 | 25.8 | 1.25 |
| F32 | 22 May 2017 | 30 | 10.67 | 92.16 | 4.4 | 33.61 | 7.8 | 25.8 | 1.04 |
| F32 | 22 May 2017 | 31 | 10.64 | 92.17 | 4.4 | 33.62 | 7.8 | 25.8 | 1.01 |
| F32 | 22 May 2017 | 32 | 10.62 | 92.28 | 4.4 | 33.62 | 7.8 | 25.8 | 0.86 |
| F32 | 22 May 2017 | 33 | 10.61 | 92.38 | 4.3 | 33.63 | 7.8 | 25.8 | 0.83 |
| F32 | 22 May 2017 | 34 | 10.56 | 92.51 | 4.3 | 33.64 | 7.8 | 25.8 | 0.69 |
| F32 | 22 May 2017 | 35 | 10.52 | 92.70 | 4.3 | 33.64 | 7.8 | 25.8 | 0.61 |
| F32 | 22 May 2017 | 36 | 10.52 | 92.75 | 4.2 | 33.64 | 7.8 | 25.8 | 0.53 |
| F32 | 22 May 2017 | 37 | 10.50 | 92.63 | 4.2 | 33.65 | 7.8 | 25.8 | 0.64 |
| F32 | 22 May 2017 | 38 | 10.45 | 92.53 | 4.2 | 33.66 | 7.8 | 25.8 | 0.44 |
| F32 | 22 May 2017 | 39 | 10.40 | 92.60 | 4.2 | 33.66 | 7.8 | 25.8 | 0.40 |
| F32 | 22 May 2017 | 40 | 10.40 | 92.72 | 4.2 | 33.66 | 7.8 | 25.8 | 0.35 |
| F32 | 22 May 2017 | 41 | 10.38 | 92.83 | 4.1 | 33.66 | 7.8 | 25.8 | 0.36 |
| F32 | 22 May 2017 | 42 | 10.36 | 92.89 | 4.2 | 33.67 | 7.8 | 25.8 | 0.32 |
| F32 | 22 May 2017 | 43 | 10.35 | 92.95 | 4.2 | 33.67 | 7.8 | 25.9 | 0.31 |
| F32 | 22 May 2017 | 44 | 10.34 | 92.90 | 4.1 | 33.66 | 7.8 | 25.9 | 0.29 |
| F32 | 22 May 2017 | 45 | 10.33 | 92.87 | 4.1 | 33.67 | 7.8 | 25.9 | 0.35 |
| F32 | 22 May 2017 | 46 | 10.29 | 92.92 | 4.1 | 33.68 | 7.8 | 25.9 | 0.25 |
| F32 | 22 May 2017 | 47 | 10.25 | 93.00 | 4.1 | 33.69 | 7.8 | 25.9 | 0.22 |
| F32 | 22 May 2017 | 48 | 10.23 | 92.96 | 4.1 | 33.69 | 7.8 | 25.9 | 0.24 |
| F32 | 22 May 2017 | 49 | 10.21 | 92.98 | 4.1 | 33.69 | 7.8 | 25.9 | 0.22 |
| F32 | 22 May 2017 | 50 | 10.19 | 93.05 | 4.1 | 33.70 | 7.8 | 25.9 | 0.24 |
| F32 | 22 May 2017 | 51 | 10.18 | 93.05 | 4.1 | 33.70 | 7.8 | 25.9 | 0.24 |
| F32 | 22 May 2017 | 52 | 10.16 | 92.98 | 4.0 | 33.70 | 7.8 | 25.9 | 0.17 |
| F32 | 22 May 2017 | 53 | 10.15 | 92.94 | 4.1 | 33.70 | 7.8 | 25.9 | 0.20 |
| F32 | 22 May 2017 | 54 | 10.10 | 93.00 | 4.1 | 33.72 | 7.8 | 25.9 | 0.14 |
| F32 | 22 May 2017 | 55 | 10.09 | 93.10 | 4.0 | 33.72 | 7.8 | 25.9 | 0.14 |
| F32 | 22 May 2017 | 56 | 10.08 | 93.20 | 4.0 | 33.72 | 7.8 | 25.9 | 0.15 |
| F32 | 22 May 2017 | 57 | 10.05 | 93.17 | 4.0 | 33.73 | 7.8 | 26.0 | 0.13 |
| F32 | 22 May 2017 | 58 | 10.01 | 93.30 | 4.0 | 33.73 | 7.8 | 26.0 | 0.14 |
| F32 | 22 May 2017 | 59 | 10.00 | 93.37 | 4.0 | 33.73 | 7.8 | 26.0 | 0.18 |
| F32 | 22 May 2017 | 60 | 9.99 | 93.34 | 4.0 | 33.74 | 7.8 | 26.0 | 0.10 |
| F32 | 22 May 2017 | 61 | 9.97 | 93.32 | 3.9 | 33.75 | 7.8 | 26.0 | 0.09 |
| F32 | 22 May 2017 | 62 | 9.95 | 93.33 | 3.9 | 33.76 | 7.8 | 26.0 | 0.07 |
| F32 | 22 May 2017 | 63 | 9.94 | 93.39 | 3.9 | 33.76 | 7.8 | 26.0 | 0.06 |
| F32 | 22 May 2017 | 64 | 9.93 | 93.32 | 3.9 | 33.77 | 7.8 | 26.0 | 0.05 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F32 | 22 May 2017 | 65 | 9.92 | 93.23 | 3.8 | 33.77 | 7.8 | 26.0 | 0.04 |
| F32 | 22 May 2017 | 66 | 9.91 | 93.27 | 3.8 | 33.78 | 7.8 | 26.0 | 0.04 |
| F32 | 22 May 2017 | 67 | 9.91 | 93.27 | 3.8 | 33.78 | 7.8 | 26.0 | 0.05 |
| F32 | 22 May 2017 | 68 | 9.90 | 93.27 | 3.8 | 33.78 | 7.8 | 26.0 | 0.10 |
| F32 | 22 May 2017 | 69 | 9.89 | 93.32 | 3.8 | 33.78 | 7.8 | 26.0 | 0.05 |
| F32 | 22 May 2017 | 70 | 9.88 | 93.34 | 3.8 | 33.79 | 7.8 | 26.0 | 0.05 |
| F32 | 22 May 2017 | 71 | 9.86 | 93.25 | 3.8 | 33.80 | 7.8 | 26.0 | 0.04 |
| F32 | 22 May 2017 | 72 | 9.85 | 93.22 | 3.8 | 33.80 | 7.8 | 26.0 | 0.02 |
| F32 | 22 May 2017 | 73 | 9.84 | 93.31 | 3.8 | 33.81 | 7.8 | 26.0 | 0.04 |
| F32 | 22 May 2017 | 74 | 9.84 | 93.32 | 3.7 | 33.81 | 7.8 | 26.1 | 0.03 |
| F32 | 22 May 2017 | 75 | 9.84 | 93.24 | 3.7 | 33.81 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 76 | 9.83 | 93.31 | 3.7 | 33.81 | 7.7 | 26.1 | 0.03 |
| F32 | 22 May 2017 | 77 | 9.83 | 93.17 | 3.7 | 33.82 | 7.7 | 26.1 | 0.03 |
| F32 | 22 May 2017 | 78 | 9.83 | 93.16 | 3.7 | 33.82 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 79 | 9.82 | 93.11 | 3.6 | 33.83 | 7.7 | 26.1 | 0.06 |
| F32 | 22 May 2017 | 80 | 9.81 | 92.99 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 81 | 9.80 | 92.97 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 82 | 9.80 | 92.94 | 3.6 | 33.83 | 7.7 | 26.1 | 0.01 |
| F32 | 22 May 2017 | 83 | 9.79 | 92.94 | 3.6 | 33.84 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 84 | 9.78 | 92.93 | 3.5 | 33.85 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 85 | 9.76 | 92.72 | 3.5 | 33.86 | 7.7 | 26.1 | 0.01 |
| F32 | 22 May 2017 | 86 | 9.73 | 92.64 | 3.5 | 33.88 | 7.7 | 26.1 | 0.01 |
| F32 | 22 May 2017 | 87 | 9.70 | 92.28 | 3.4 | 33.90 | 7.7 | 26.1 | 0.01 |
| F32 | 22 May 2017 | 88 | 9.70 | 91.89 | 3.3 | 33.90 | 7.7 | 26.1 | 0.01 |
| F32 | 22 May 2017 | 89 | 9.69 | 91.85 | 3.3 | 33.90 | 7.7 | 26.1 | 0.04 |
| F32 | 22 May 2017 | 90 | 9.69 | 91.79 | 3.2 | 33.91 | 7.7 | 26.1 | 0.02 |
| F32 | 22 May 2017 | 91 | 9.68 | 91.79 | 3.2 | 33.91 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 92 | 9.67 | 91.83 | 3.2 | 33.92 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 93 | 9.66 | 91.88 | 3.2 | 33.92 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 94 | 9.66 | 91.81 | 3.2 | 33.93 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 95 | 9.65 | 91.76 | 3.2 | 33.93 | 7.7 | 26.2 | 0.02 |
| F32 | 22 May 2017 | 96 | 9.64 | 91.78 | 3.1 | 33.94 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 97 | 9.63 | 91.75 | 3.1 | 33.95 | 7.7 | 26.2 | 0.01 |
| F32 | 22 May 2017 | 98 | 9.62 | 91.38 | 3.1 | 33.95 | 7.7 | 26.2 | NA |
| F32 | 22 May 2017 | 99 | 9.60 | 89.61 | 3.1 | 33.97 | 7.7 | 26.2 | 0.05 |
| F32 | 22 May 2017 | 100 | 9.60 | 88.27 | 3.0 | 33.97 | 7.7 | 26.2 | 0.01 |
| | | | | | | | | | |
| F33 | 22 May 2017 | 1 | 18.46 | 82.83 | 8.3 | 33.48 | 8.2 | 24.0 | 0.57 |
| F33 | 22 May 2017 | 2 | 18.45 | 82.76 | 8.2 | 33.48 | 8.2 | 24.0 | 0.55 |
| F33 | 22 May 2017 | 3 | 18.20 | 83.12 | 8.2 | 33.56 | 8.2 | 24.1 | 0.58 |
| F33 | 22 May 2017 | 4 | 17.24 | 83.15 | 8.4 | 33.63 | 8.2 | 24.4 | 0.61 |
| F33 | 22 May 2017 | 5 | 16.51 | 82.90 | 8.7 | 33.58 | 8.2 | 24.5 | 0.65 |
| F33 | 22 May 2017 | 6 | 15.97 | 82.74 | 8.8 | 33.61 | 8.2 | 24.7 | 0.68 |
| F33 | 22 May 2017 | 7 | 15.18 | 82.08 | 8.9 | 33.59 | 8.2 | 24.8 | 0.74 |
| F33 | 22 May 2017 | 8 | 14.75 | 81.13 | 8.9 | 33.55 | 8.2 | 24.9 | 0.82 |
| F33 | 22 May 2017 | 9 | 14.17 | 79.81 | 9.2 | 33.58 | 8.2 | 25.1 | 1.04 |
| F33 | 22 May 2017 | 10 | 13.87 | 79.38 | 9.2 | 33.57 | 8.2 | 25.1 | 1.35 |
| F33 | 22 May 2017 | 11 | 13.01 | 77.22 | 9.1 | 33.62 | 8.2 | 25.3 | 1.73 |
| F33 | 22 May 2017 | 12 | 12.74 | 69.74 | 9.0 | 33.57 | 8.2 | 25.3 | 2.26 |
| F33 | 22 May 2017 | 13 | 12.53 | 64.76 | 8.8 | 33.58 | 8.1 | 25.4 | 4.33 |
| F33 | 22 May 2017 | 14 | 12.08 | 58.57 | 8.2 | 33.63 | 8.1 | 25.5 | 7.00 |
| F33 | 22 May 2017 | 15 | 11.55 | 40.53 | 6.9 | 33.62 | 7.9 | 25.6 | 12.00 |
| F33 | 22 May 2017 | 16 | 11.34 | 63.84 | 5.6 | 33.60 | 7.9 | 25.6 | 22.73 |
| F33 | 22 May 2017 | 17 | 11.26 | 82.93 | 5.0 | 33.57 | 7.8 | 25.6 | 27.01 |
| F33 | 22 May 2017 | 18 | 11.23 | 87.63 | 4.9 | 33.56 | 7.8 | 25.6 | 19.34 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F33 | 22 May 2017 | 19 | 11.21 | 88.64 | 4.8 | 33.56 | 7.8 | 25.6 | 10.37 |
| F33 | 22 May 2017 | 20 | 11.18 | 89.23 | 4.8 | 33.56 | 7.8 | 25.6 | 5.70 |
| F33 | 22 May 2017 | 21 | 11.16 | 89.62 | 4.7 | 33.56 | 7.8 | 25.6 | 3.54 |
| F33 | 22 May 2017 | 22 | 11.12 | 90.15 | 4.7 | 33.54 | 7.8 | 25.6 | 2.70 |
| F33 | 22 May 2017 | 23 | 11.07 | 90.70 | 4.7 | 33.53 | 7.8 | 25.6 | 1.80 |
| F33 | 22 May 2017 | 24 | 10.97 | 90.93 | 4.6 | 33.55 | 7.8 | 25.6 | 2.00 |
| F33 | 22 May 2017 | 25 | 10.93 | 90.98 | 4.5 | 33.56 | 7.8 | 25.7 | 1.86 |
| F33 | 22 May 2017 | 26 | 10.89 | 91.48 | 4.5 | 33.59 | 7.8 | 25.7 | 1.48 |
| F33 | 22 May 2017 | 27 | 10.86 | 91.64 | 4.5 | 33.61 | 7.8 | 25.7 | 1.22 |
| F33 | 22 May 2017 | 28 | 10.77 | 91.70 | 4.5 | 33.62 | 7.8 | 25.7 | 1.31 |
| F33 | 22 May 2017 | 29 | 10.74 | 91.85 | 4.4 | 33.61 | 7.8 | 25.7 | 0.97 |
| F33 | 22 May 2017 | 30 | 10.71 | 92.03 | 4.4 | 33.61 | 7.8 | 25.7 | 1.18 |
| F33 | 22 May 2017 | 31 | 10.68 | 92.17 | 4.4 | 33.62 | 7.8 | 25.8 | 0.94 |
| F33 | 22 May 2017 | 32 | 10.63 | 92.38 | 4.4 | 33.63 | 7.8 | 25.8 | 0.84 |
| F33 | 22 May 2017 | 33 | 10.59 | 92.50 | 4.4 | 33.63 | 7.8 | 25.8 | 0.80 |
| F33 | 22 May 2017 | 34 | 10.58 | 92.75 | 4.4 | 33.64 | 7.8 | 25.8 | 0.83 |
| F33 | 22 May 2017 | 35 | 10.58 | 92.78 | 4.4 | 33.63 | 7.8 | 25.8 | 0.66 |
| F33 | 22 May 2017 | 36 | 10.57 | 92.72 | 4.4 | 33.63 | 7.8 | 25.8 | 0.75 |
| F33 | 22 May 2017 | 37 | 10.56 | 92.76 | 4.3 | 33.64 | 7.8 | 25.8 | 0.88 |
| F33 | 22 May 2017 | 38 | 10.55 | 92.60 | 4.2 | 33.65 | 7.8 | 25.8 | 0.63 |
| F33 | 22 May 2017 | 39 | 10.53 | 92.50 | 4.2 | 33.65 | 7.8 | 25.8 | 0.52 |
| F33 | 22 May 2017 | 40 | 10.48 | 92.54 | 4.1 | 33.66 | 7.8 | 25.8 | 0.44 |
| F33 | 22 May 2017 | 41 | 10.48 | 92.56 | 4.1 | 33.65 | 7.8 | 25.8 | 0.44 |
| F33 | 22 May 2017 | 42 | 10.47 | 92.57 | 4.0 | 33.66 | 7.8 | 25.8 | 0.54 |
| F33 | 22 May 2017 | 43 | 10.45 | 92.58 | 4.0 | 33.66 | 7.8 | 25.8 | 0.37 |
| F33 | 22 May 2017 | 44 | 10.39 | 92.63 | 4.0 | 33.68 | 7.8 | 25.9 | 0.38 |
| F33 | 22 May 2017 | 45 | 10.34 | 92.79 | 4.1 | 33.68 | 7.8 | 25.9 | 0.32 |
| F33 | 22 May 2017 | 46 | 10.29 | 92.97 | 4.1 | 33.69 | 7.8 | 25.9 | 0.30 |
| F33 | 22 May 2017 | 47 | 10.28 | 93.08 | 4.1 | 33.68 | 7.8 | 25.9 | 0.27 |
| F33 | 22 May 2017 | 48 | 10.27 | 93.02 | 4.2 | 33.68 | 7.8 | 25.9 | 0.27 |
| F33 | 22 May 2017 | 49 | 10.26 | 93.05 | 4.1 | 33.68 | 7.8 | 25.9 | 0.25 |
| F33 | 22 May 2017 | 50 | 10.23 | 93.00 | 4.1 | 33.69 | 7.8 | 25.9 | 0.23 |
| F33 | 22 May 2017 | 51 | 10.23 | 93.10 | 4.1 | 33.68 | 7.8 | 25.9 | 0.23 |
| F33 | 22 May 2017 | 52 | 10.21 | 93.12 | 4.1 | 33.69 | 7.8 | 25.9 | 0.22 |
| F33 | 22 May 2017 | 53 | 10.17 | 93.00 | 4.1 | 33.70 | 7.8 | 25.9 | 0.24 |
| F33 | 22 May 2017 | 54 | 10.15 | 93.00 | 4.0 | 33.71 | 7.8 | 25.9 | 0.20 |
| F33 | 22 May 2017 | 55 | 10.14 | 92.94 | 4.0 | 33.71 | 7.8 | 25.9 | 0.17 |
| F33 | 22 May 2017 | 56 | 10.13 | 92.97 | 4.0 | 33.72 | 7.8 | 25.9 | 0.14 |
| F33 | 22 May 2017 | 57 | 10.12 | 92.94 | 4.0 | 33.72 | 7.8 | 25.9 | 0.12 |
| F33 | 22 May 2017 | 58 | 10.11 | 92.91 | 4.0 | 33.72 | 7.8 | 25.9 | 0.16 |
| F33 | 22 May 2017 | 59 | 10.11 | 92.90 | 4.0 | 33.72 | 7.8 | 25.9 | 0.10 |
| F33 | 22 May 2017 | 60 | 10.06 | 92.82 | 4.0 | 33.73 | 7.8 | 25.9 | 0.11 |
| F33 | 22 May 2017 | 61 | 10.02 | 92.97 | 4.0 | 33.72 | 7.8 | 25.9 | 0.15 |
| F33 | 22 May 2017 | 62 | 10.01 | 93.15 | 4.0 | 33.72 | 7.8 | 26.0 | 0.12 |
| F33 | 22 May 2017 | 63 | 10.01 | 93.17 | 4.0 | 33.73 | 7.8 | 26.0 | 0.10 |
| F33 | 22 May 2017 | 64 | 9.99 | 93.21 | 4.0 | 33.74 | 7.8 | 26.0 | 0.08 |
| F33 | 22 May 2017 | 65 | 9.96 | 93.31 | 4.0 | 33.75 | 7.8 | 26.0 | 0.07 |
| F33 | 22 May 2017 | 66 | 9.94 | 93.29 | 3.9 | 33.76 | 7.8 | 26.0 | 0.07 |
| F33 | 22 May 2017 | 67 | 9.93 | 93.30 | 3.9 | 33.77 | 7.8 | 26.0 | 0.12 |
| F33 | 22 May 2017 | 68 | 9.92 | 93.36 | 3.9 | 33.77 | 7.8 | 26.0 | 0.06 |
| F33 | 22 May 2017 | 69 | 9.89 | 93.38 | 3.8 | 33.78 | 7.8 | 26.0 | 0.05 |
| F33 | 22 May 2017 | 70 | 9.89 | 93.43 | 3.9 | 33.78 | 7.8 | 26.0 | 0.05 |
| F33 | 22 May 2017 | 71 | 9.88 | 93.45 | 3.8 | 33.78 | 7.8 | 26.0 | 0.05 |
| F33 | 22 May 2017 | 72 | 9.88 | 93.46 | 3.9 | 33.78 | 7.8 | 26.0 | 0.05 |
| F33 | 22 May 2017 | 73 | 9.88 | 93.45 | 3.9 | 33.78 | 7.8 | 26.0 | 0.04 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F33 | 22 May 2017 | 74 | 9.87 | 93.38 | 3.8 | 33.79 | 7.8 | 26.0 | 0.07 |
| F33 | 22 May 2017 | 75 | 9.86 | 93.44 | 3.8 | 33.80 | 7.8 | 26.0 | 0.02 |
| F33 | 22 May 2017 | 76 | 9.86 | 93.32 | 3.8 | 33.80 | 7.7 | 26.0 | 0.04 |
| F33 | 22 May 2017 | 77 | 9.86 | 93.29 | 3.8 | 33.80 | 7.7 | 26.0 | 0.03 |
| F33 | 22 May 2017 | 78 | 9.85 | 93.22 | 3.8 | 33.80 | 7.7 | 26.0 | 0.01 |
| F33 | 22 May 2017 | 79 | 9.83 | 93.13 | 3.7 | 33.81 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 80 | 9.83 | 93.05 | 3.7 | 33.81 | 7.7 | 26.1 | 0.06 |
| F33 | 22 May 2017 | 81 | 9.82 | 93.08 | 3.7 | 33.81 | 7.7 | 26.1 | 0.01 |
| F33 | 22 May 2017 | 82 | 9.81 | 93.17 | 3.7 | 33.82 | 7.7 | 26.1 | 0.11 |
| F33 | 22 May 2017 | 83 | 9.80 | 93.15 | 3.7 | 33.83 | 7.7 | 26.1 | 0.03 |
| F33 | 22 May 2017 | 84 | 9.79 | 92.92 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 85 | 9.79 | 92.67 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 86 | 9.79 | 92.63 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 87 | 9.79 | 92.51 | 3.5 | 33.84 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 88 | 9.78 | 92.37 | 3.5 | 33.84 | 7.7 | 26.1 | 0.03 |
| F33 | 22 May 2017 | 89 | 9.77 | 92.28 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F33 | 22 May 2017 | 90 | 9.76 | 91.89 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F33 | 22 May 2017 | 91 | 9.76 | 91.71 | 3.5 | 33.86 | 7.7 | 26.1 | 0.01 |
| F33 | 22 May 2017 | 92 | 9.74 | 91.71 | 3.4 | 33.87 | 7.7 | 26.1 | 0.02 |
| F33 | 22 May 2017 | 93 | 9.73 | 91.97 | 3.4 | 33.88 | 7.7 | 26.1 | 0.01 |
| F33 | 22 May 2017 | 94 | 9.68 | 92.38 | 3.4 | 33.91 | 7.7 | 26.2 | 0.01 |
| F33 | 22 May 2017 | 95 | 9.65 | 91.65 | 3.2 | 33.93 | 7.7 | 26.2 | 0.01 |
| F33 | 22 May 2017 | 96 | 9.65 | 91.47 | 3.1 | 33.93 | 7.7 | 26.2 | 0.00 |
| F33 | 22 May 2017 | 97 | 9.65 | 91.14 | 3.1 | 33.94 | 7.7 | 26.2 | 0.00 |
| F33 | 22 May 2017 | 98 | 9.63 | 90.86 | 3.1 | 33.95 | 7.7 | 26.2 | 0.02 |
| F33 | 22 May 2017 | 99 | 9.61 | 90.29 | 3.0 | 33.97 | 7.7 | 26.2 | 0.01 |
| | | | | | | | | | |
| F34 | 22 May 2017 | 1 | 18.14 | 78.96 | 8.4 | 33.48 | 8.2 | 24.1 | 1.12 |
| F34 | 22 May 2017 | 2 | 17.86 | 74.22 | 8.4 | 33.53 | 8.2 | 24.2 | 1.15 |
| F34 | 22 May 2017 | 3 | 16.81 | 77.54 | 8.8 | 33.44 | 8.2 | 24.4 | 1.34 |
| F34 | 22 May 2017 | 4 | 16.54 | 77.12 | 8.7 | 33.52 | 8.2 | 24.5 | 1.68 |
| F34 | 22 May 2017 | 5 | 15.57 | 76.65 | 8.9 | 33.48 | 8.2 | 24.7 | 2.34 |
| F34 | 22 May 2017 | 6 | 14.77 | 77.67 | 9.0 | 33.46 | 8.2 | 24.8 | 2.21 |
| F34 | 22 May 2017 | 7 | 13.66 | 82.51 | 9.2 | 33.43 | 8.2 | 25.0 | 2.07 |
| F34 | 22 May 2017 | 8 | 13.78 | 84.33 | 9.1 | 33.37 | 8.2 | 25.0 | 2.22 |
| F34 | 22 May 2017 | 9 | 13.08 | 83.56 | 8.9 | 33.40 | 8.2 | 25.1 | 3.42 |
| F34 | 22 May 2017 | 10 | 12.69 | 82.10 | 8.6 | 33.44 | 8.1 | 25.2 | 9.15 |
| F34 | 22 May 2017 | 11 | 12.08 | 70.66 | 7.8 | 33.47 | 8.1 | 25.4 | 17.42 |
| F34 | 22 May 2017 | 12 | 11.92 | 61.45 | 6.8 | 33.47 | 8.0 | 25.4 | 22.11 |
| F34 | 22 May 2017 | 13 | 11.73 | 59.79 | 6.2 | 33.48 | 8.0 | 25.5 | 20.59 |
| F34 | 22 May 2017 | 14 | 11.55 | 62.48 | 5.7 | 33.48 | 7.9 | 25.5 | 17.32 |
| F34 | 22 May 2017 | 15 | 11.37 | 68.11 | 5.3 | 33.50 | 7.9 | 25.5 | 12.36 |
| F34 | 22 May 2017 | 16 | 11.08 | 74.86 | 4.9 | 33.51 | 7.8 | 25.6 | 6.40 |
| F34 | 22 May 2017 | 17 | 10.90 | 85.69 | 4.7 | 33.53 | 7.8 | 25.6 | 3.37 |
| F34 | 22 May 2017 | 18 | 10.84 | 91.10 | 4.6 | 33.54 | 7.8 | 25.7 | 1.68 |
| F34 | 22 May 2017 | 19 | 10.81 | 91.77 | 4.6 | 33.54 | 7.8 | 25.7 | 1.18 |
| F34 | 22 May 2017 | 20 | 10.79 | 92.04 | 4.5 | 33.54 | 7.8 | 25.7 | 0.79 |
| F34 | 22 May 2017 | 21 | 10.75 | 92.08 | 4.5 | 33.56 | 7.8 | 25.7 | 0.71 |
| F34 | 22 May 2017 | 22 | 10.69 | 92.19 | 4.5 | 33.57 | 7.8 | 25.7 | 0.61 |
| F34 | 22 May 2017 | 23 | 10.63 | 92.27 | 4.5 | 33.58 | 7.8 | 25.7 | 0.61 |
| F34 | 22 May 2017 | 24 | 10.62 | 92.24 | 4.4 | 33.58 | 7.8 | 25.7 | 0.57 |
| F34 | 22 May 2017 | 25 | 10.62 | 92.29 | 4.4 | 33.58 | 7.8 | 25.7 | 0.55 |
| F34 | 22 May 2017 | 26 | 10.60 | 92.45 | 4.4 | 33.59 | 7.8 | 25.7 | 0.49 |
| F34 | 22 May 2017 | 27 | 10.58 | 92.53 | 4.4 | 33.59 | 7.8 | 25.8 | 0.48 |
| F34 | 22 May 2017 | 28 | 10.58 | 92.55 | 4.4 | 33.59 | 7.8 | 25.8 | 0.54 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F34 | 22 May 2017 | 29 | 10.57 | 92.57 | 4.4 | 33.59 | 7.8 | 25.8 | 0.49 |
| F34 | 22 May 2017 | 30 | 10.55 | 92.69 | 4.4 | 33.60 | 7.8 | 25.8 | 0.43 |
| F34 | 22 May 2017 | 31 | 10.53 | 92.75 | 4.4 | 33.61 | 7.8 | 25.8 | 0.41 |
| F34 | 22 May 2017 | 32 | 10.52 | 92.77 | 4.3 | 33.61 | 7.8 | 25.8 | 0.43 |
| F34 | 22 May 2017 | 33 | 10.48 | 92.82 | 4.2 | 33.63 | 7.8 | 25.8 | 0.34 |
| F34 | 22 May 2017 | 34 | 10.46 | 92.67 | 4.2 | 33.63 | 7.8 | 25.8 | 0.31 |
| F34 | 22 May 2017 | 35 | 10.45 | 92.48 | 4.2 | 33.63 | 7.8 | 25.8 | 0.28 |
| F34 | 22 May 2017 | 36 | 10.43 | 92.64 | 4.1 | 33.64 | 7.8 | 25.8 | 0.23 |
| F34 | 22 May 2017 | 37 | 10.42 | 92.68 | 4.1 | 33.64 | 7.8 | 25.8 | 0.25 |
| F34 | 22 May 2017 | 38 | 10.42 | 92.73 | 4.2 | 33.64 | 7.8 | 25.8 | 0.27 |
| F34 | 22 May 2017 | 39 | 10.36 | 92.21 | 4.2 | 33.65 | 7.8 | 25.8 | 0.24 |
| F34 | 22 May 2017 | 40 | 10.33 | 92.72 | 4.2 | 33.65 | 7.8 | 25.8 | 0.32 |
| F34 | 22 May 2017 | 41 | 10.33 | 92.91 | 4.2 | 33.65 | 7.8 | 25.8 | 0.34 |
| F34 | 22 May 2017 | 42 | 10.31 | 92.96 | 4.2 | 33.65 | 7.8 | 25.8 | 0.27 |
| F34 | 22 May 2017 | 43 | 10.30 | 92.92 | 4.2 | 33.66 | 7.8 | 25.9 | 0.21 |
| F34 | 22 May 2017 | 44 | 10.30 | 92.87 | 4.2 | 33.66 | 7.8 | 25.9 | 0.21 |
| F34 | 22 May 2017 | 45 | 10.29 | 92.84 | 4.1 | 33.66 | 7.8 | 25.9 | 0.20 |
| F34 | 22 May 2017 | 46 | 10.26 | 92.85 | 4.1 | 33.67 | 7.8 | 25.9 | 0.17 |
| F34 | 22 May 2017 | 47 | 10.24 | 92.89 | 4.1 | 33.67 | 7.8 | 25.9 | 0.20 |
| F34 | 22 May 2017 | 48 | 10.21 | 92.88 | 4.1 | 33.67 | 7.8 | 25.9 | 0.17 |
| F34 | 22 May 2017 | 49 | 10.20 | 92.87 | 4.1 | 33.68 | 7.8 | 25.9 | 0.15 |
| F34 | 22 May 2017 | 50 | 10.19 | 92.93 | 4.1 | 33.68 | 7.8 | 25.9 | 0.13 |
| F34 | 22 May 2017 | 51 | 10.15 | 93.02 | 4.1 | 33.69 | 7.8 | 25.9 | 0.12 |
| F34 | 22 May 2017 | 52 | 10.13 | 92.80 | 4.1 | 33.69 | 7.8 | 25.9 | 0.12 |
| F34 | 22 May 2017 | 53 | 10.12 | 92.98 | 4.1 | 33.70 | 7.8 | 25.9 | 0.16 |
| F34 | 22 May 2017 | 54 | 10.11 | 93.19 | 4.1 | 33.70 | 7.8 | 25.9 | 0.12 |
| F34 | 22 May 2017 | 55 | 10.10 | 93.24 | 4.1 | 33.70 | 7.8 | 25.9 | 0.10 |
| F34 | 22 May 2017 | 56 | 10.10 | 93.23 | 4.1 | 33.70 | 7.8 | 25.9 | 0.10 |
| F34 | 22 May 2017 | 57 | 10.09 | 93.17 | 4.0 | 33.71 | 7.8 | 25.9 | 0.09 |
| F34 | 22 May 2017 | 58 | 10.08 | 93.09 | 4.0 | 33.71 | 7.8 | 25.9 | 0.09 |
| F34 | 22 May 2017 | 59 | 10.08 | 92.82 | 4.0 | 33.71 | 7.8 | 25.9 | 0.09 |
| F34 | 22 May 2017 | 60 | 10.07 | 93.06 | 4.0 | 33.71 | 7.8 | 25.9 | 0.09 |
| F34 | 22 May 2017 | 61 | 10.06 | 93.06 | 4.0 | 33.71 | 7.8 | 25.9 | 0.07 |
| F34 | 22 May 2017 | 62 | 10.06 | 93.04 | 4.0 | 33.71 | 7.8 | 25.9 | 0.07 |
| F34 | 22 May 2017 | 63 | 10.06 | 93.07 | 4.0 | 33.71 | 7.8 | 25.9 | 0.08 |
| F34 | 22 May 2017 | 64 | 10.03 | 92.94 | 4.0 | 33.72 | 7.7 | 25.9 | 0.09 |
| F34 | 22 May 2017 | 65 | 10.00 | 93.04 | 4.0 | 33.73 | 7.7 | 26.0 | 0.09 |
| F34 | 22 May 2017 | 66 | 9.96 | 93.14 | 3.9 | 33.75 | 7.7 | 26.0 | 0.07 |
| F34 | 22 May 2017 | 67 | 9.93 | 93.19 | 3.9 | 33.76 | 7.7 | 26.0 | 0.06 |
| F34 | 22 May 2017 | 68 | 9.91 | 93.21 | 3.9 | 33.76 | 7.7 | 26.0 | 0.05 |
| F34 | 22 May 2017 | 69 | 9.91 | 93.15 | 3.9 | 33.77 | 7.7 | 26.0 | 0.02 |
| F34 | 22 May 2017 | 70 | 9.91 | 93.22 | 3.9 | 33.77 | 7.7 | 26.0 | 0.04 |
| F34 | 22 May 2017 | 71 | 9.89 | 93.16 | 3.9 | 33.77 | 7.7 | 26.0 | 0.03 |
| F34 | 22 May 2017 | 72 | 9.88 | 93.08 | 3.8 | 33.78 | 7.7 | 26.0 | 0.03 |
| F34 | 22 May 2017 | 73 | 9.88 | 92.97 | 3.8 | 33.78 | 7.7 | 26.0 | 0.03 |
| F34 | 22 May 2017 | 74 | 9.87 | 92.80 | 3.8 | 33.79 | 7.7 | 26.0 | 0.05 |
| F34 | 22 May 2017 | 75 | 9.87 | 92.89 | 3.8 | 33.79 | 7.7 | 26.0 | 0.03 |
| F34 | 22 May 2017 | 76 | 9.84 | 92.82 | 3.7 | 33.80 | 7.7 | 26.0 | 0.03 |
| F34 | 22 May 2017 | 77 | 9.82 | 92.59 | 3.7 | 33.82 | 7.7 | 26.1 | 0.02 |
| F34 | 22 May 2017 | 78 | 9.81 | 92.02 | 3.6 | 33.83 | 7.7 | 26.1 | 0.03 |
| F34 | 22 May 2017 | 79 | 9.80 | 91.95 | 3.6 | 33.83 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 80 | 9.80 | 91.57 | 3.5 | 33.83 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 81 | 9.80 | 91.52 | 3.5 | 33.83 | 7.7 | 26.1 | 0.02 |
| F34 | 22 May 2017 | 82 | 9.79 | 91.52 | 3.5 | 33.84 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 83 | 9.79 | 91.45 | 3.5 | 33.84 | 7.7 | 26.1 | NA |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F34 | 22 May 2017 | 84 | 9.78 | 91.45 | 3.5 | 33.84 | 7.7 | 26.1 | 0.02 |
| F34 | 22 May 2017 | 85 | 9.77 | 91.29 | 3.5 | 33.85 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 86 | 9.77 | 91.15 | 3.4 | 33.85 | 7.7 | 26.1 | 0.02 |
| F34 | 22 May 2017 | 87 | 9.76 | 91.07 | 3.4 | 33.85 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 88 | 9.75 | 91.01 | 3.4 | 33.87 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 89 | 9.73 | 90.92 | 3.4 | 33.87 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 90 | 9.72 | 90.79 | 3.4 | 33.88 | 7.7 | 26.1 | 0.03 |
| F34 | 22 May 2017 | 91 | 9.70 | 90.77 | 3.3 | 33.89 | 7.7 | 26.1 | 0.01 |
| F34 | 22 May 2017 | 92 | 9.68 | 90.85 | 3.3 | 33.91 | 7.7 | 26.1 | 0.02 |
| F34 | 22 May 2017 | 93 | 9.67 | 91.20 | 3.3 | 33.92 | 7.7 | 26.2 | NA |
| F34 | 22 May 2017 | 94 | 9.63 | 91.46 | 3.2 | 33.94 | 7.7 | 26.2 | 0.00 |
| F34 | 22 May 2017 | 95 | 9.61 | 91.92 | 3.2 | 33.96 | 7.7 | 26.2 | 0.01 |
| F34 | 22 May 2017 | 96 | 9.60 | 92.30 | 3.2 | 33.97 | 7.7 | 26.2 | 0.01 |
| F34 | 22 May 2017 | 97 | 9.58 | 92.38 | 3.1 | 33.98 | 7.7 | 26.2 | NA |
| F34 | 22 May 2017 | 98 | 9.57 | 92.37 | 3.1 | 34.00 | 7.7 | 26.2 | NA |
| F34 | 22 May 2017 | 99 | 9.56 | 92.02 | 3.0 | 34.01 | 7.7 | 26.2 | 0.00 |
| F34 | 22 May 2017 | 100 | 9.56 | 91.47 | 3.0 | 34.01 | 7.7 | 26.3 | 0.00 |
| | | | | | | | | | |
| F35 | 22 May 2017 | 1 | 17.81 | 81.35 | 8.4 | 33.47 | 8.2 | 24.1 | 1.04 |
| F35 | 22 May 2017 | 2 | 17.70 | 81.34 | 8.4 | 33.49 | 8.2 | 24.2 | 1.20 |
| F35 | 22 May 2017 | 3 | 16.75 | 80.77 | 8.5 | 33.50 | 8.2 | 24.4 | 1.25 |
| F35 | 22 May 2017 | 4 | 16.29 | 82.04 | 8.5 | 33.44 | 8.2 | 24.5 | 1.00 |
| F35 | 22 May 2017 | 5 | 16.08 | 85.94 | 8.5 | 33.43 | 8.2 | 24.5 | 0.90 |
| F35 | 22 May 2017 | 6 | 15.94 | 87.28 | 8.6 | 33.43 | 8.2 | 24.6 | 0.89 |
| F35 | 22 May 2017 | 7 | 15.76 | 87.45 | 8.6 | 33.43 | 8.2 | 24.6 | 1.10 |
| F35 | 22 May 2017 | 8 | 15.42 | 86.68 | 8.5 | 33.44 | 8.2 | 24.7 | 1.26 |
| F35 | 22 May 2017 | 9 | 14.64 | 86.31 | 8.6 | 33.41 | 8.1 | 24.8 | 1.27 |
| F35 | 22 May 2017 | 10 | 14.06 | 87.47 | 8.5 | 33.41 | 8.1 | 24.9 | 1.59 |
| F35 | 22 May 2017 | 11 | 13.69 | 87.00 | 8.5 | 33.38 | 8.1 | 25.0 | 2.38 |
| F35 | 22 May 2017 | 12 | 13.26 | 86.07 | 8.6 | 33.39 | 8.1 | 25.1 | 2.95 |
| F35 | 22 May 2017 | 13 | 12.63 | 85.53 | 8.4 | 33.39 | 8.1 | 25.2 | 3.57 |
| F35 | 22 May 2017 | 14 | 12.43 | 86.03 | 8.1 | 33.37 | 8.1 | 25.2 | 3.54 |
| F35 | 22 May 2017 | 15 | 12.25 | 86.92 | 8.0 | 33.38 | 8.1 | 25.3 | 2.83 |
| F35 | 22 May 2017 | 16 | 12.14 | 87.95 | 7.9 | 33.39 | 8.1 | 25.3 | 3.69 |
| F35 | 22 May 2017 | 17 | 11.93 | 86.69 | 7.6 | 33.41 | 8.1 | 25.4 | 9.29 |
| F35 | 22 May 2017 | 18 | 11.68 | 82.12 | 6.8 | 33.44 | 8.0 | 25.4 | 13.97 |
| F35 | 22 May 2017 | 19 | 11.59 | 73.58 | 6.1 | 33.45 | 8.0 | 25.5 | 16.75 |
| F35 | 22 May 2017 | 20 | 11.47 | 71.09 | 5.6 | 33.47 | 7.9 | 25.5 | 17.78 |
| F35 | 22 May 2017 | 21 | 11.39 | 69.83 | 5.3 | 33.49 | 7.9 | 25.5 | 15.30 |
| F35 | 22 May 2017 | 22 | 11.37 | 73.08 | 5.2 | 33.49 | 7.9 | 25.5 | 12.77 |
| F35 | 22 May 2017 | 23 | 11.31 | 74.69 | 5.1 | 33.49 | 7.9 | 25.5 | 10.00 |
| F35 | 22 May 2017 | 24 | 11.10 | 78.24 | 4.9 | 33.52 | 7.8 | 25.6 | 6.17 |
| F35 | 22 May 2017 | 25 | 11.00 | 84.81 | 4.8 | 33.52 | 7.8 | 25.6 | 2.90 |
| F35 | 22 May 2017 | 26 | 10.93 | 88.62 | 4.7 | 33.52 | 7.8 | 25.6 | 1.94 |
| F35 | 22 May 2017 | 27 | 10.89 | 91.09 | 4.7 | 33.53 | 7.8 | 25.6 | 1.17 |
| F35 | 22 May 2017 | 28 | 10.88 | 91.76 | 4.7 | 33.53 | 7.8 | 25.7 | 1.01 |
| F35 | 22 May 2017 | 29 | 10.86 | 91.91 | 4.6 | 33.54 | 7.8 | 25.7 | 0.76 |
| F35 | 22 May 2017 | 30 | 10.82 | 92.01 | 4.5 | 33.55 | 7.8 | 25.7 | 0.91 |
| F35 | 22 May 2017 | 31 | 10.78 | 91.99 | 4.5 | 33.56 | 7.8 | 25.7 | 0.71 |
| F35 | 22 May 2017 | 32 | 10.71 | 92.03 | 4.5 | 33.57 | 7.8 | 25.7 | 0.62 |
| F35 | 22 May 2017 | 33 | 10.65 | 92.24 | 4.4 | 33.58 | 7.8 | 25.7 | 0.51 |
| F35 | 22 May 2017 | 34 | 10.58 | 92.42 | 4.4 | 33.59 | 7.8 | 25.8 | 0.48 |
| F35 | 22 May 2017 | 35 | 10.56 | 92.41 | 4.4 | 33.59 | 7.8 | 25.8 | 0.40 |
| F35 | 22 May 2017 | 36 | 10.56 | 92.46 | 4.4 | 33.60 | 7.8 | 25.8 | 0.45 |
| F35 | 22 May 2017 | 37 | 10.55 | 92.59 | 4.4 | 33.60 | 7.8 | 25.8 | 0.43 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F35 | 22 May 2017 | 38 | 10.55 | 92.73 | 4.4 | 33.60 | 7.8 | 25.8 | 0.42 |
| F35 | 22 May 2017 | 39 | 10.53 | 92.82 | 4.3 | 33.60 | 7.8 | 25.8 | 0.42 |
| F35 | 22 May 2017 | 40 | 10.52 | 92.69 | 4.3 | 33.61 | 7.8 | 25.8 | 0.32 |
| F35 | 22 May 2017 | 41 | 10.46 | 92.72 | 4.3 | 33.62 | 7.8 | 25.8 | 0.38 |
| F35 | 22 May 2017 | 42 | 10.43 | 92.67 | 4.3 | 33.63 | 7.8 | 25.8 | 0.27 |
| F35 | 22 May 2017 | 43 | 10.42 | 92.73 | 4.2 | 33.63 | 7.8 | 25.8 | 0.24 |
| F35 | 22 May 2017 | 44 | 10.41 | 92.76 | 4.2 | 33.63 | 7.8 | 25.8 | 0.28 |
| F35 | 22 May 2017 | 45 | 10.41 | 92.78 | 4.2 | 33.63 | 7.8 | 25.8 | 0.23 |
| F35 | 22 May 2017 | 46 | 10.40 | 92.76 | 4.2 | 33.64 | 7.8 | 25.8 | 0.22 |
| F35 | 22 May 2017 | 47 | 10.38 | 92.67 | 4.1 | 33.64 | 7.8 | 25.8 | 0.21 |
| F35 | 22 May 2017 | 48 | 10.36 | 92.71 | 4.2 | 33.65 | 7.8 | 25.8 | 0.21 |
| F35 | 22 May 2017 | 49 | 10.34 | 92.70 | 4.1 | 33.65 | 7.8 | 25.8 | 0.16 |
| F35 | 22 May 2017 | 50 | 10.33 | 92.66 | 4.1 | 33.65 | 7.8 | 25.8 | 0.14 |
| F35 | 22 May 2017 | 51 | 10.31 | 92.71 | 4.1 | 33.65 | 7.8 | 25.8 | 0.25 |
| F35 | 22 May 2017 | 52 | 10.30 | 92.81 | 4.2 | 33.66 | 7.8 | 25.9 | 0.25 |
| F35 | 22 May 2017 | 53 | 10.28 | 92.89 | 4.2 | 33.66 | 7.8 | 25.9 | 0.27 |
| F35 | 22 May 2017 | 54 | 10.27 | 92.85 | 4.2 | 33.66 | 7.8 | 25.9 | 0.20 |
| F35 | 22 May 2017 | 55 | 10.24 | 92.88 | 4.2 | 33.66 | 7.8 | 25.9 | 0.13 |
| F35 | 22 May 2017 | 56 | 10.22 | 93.02 | 4.2 | 33.66 | 7.8 | 25.9 | 0.12 |
| F35 | 22 May 2017 | 57 | 10.20 | 93.07 | 4.2 | 33.67 | 7.8 | 25.9 | 0.12 |
| F35 | 22 May 2017 | 58 | 10.19 | 93.19 | 4.2 | 33.67 | 7.8 | 25.9 | 0.17 |
| F35 | 22 May 2017 | 59 | 10.18 | 93.32 | 4.2 | 33.67 | 7.8 | 25.9 | 0.13 |
| F35 | 22 May 2017 | 60 | 10.16 | 93.26 | 4.2 | 33.67 | 7.8 | 25.9 | 0.10 |
| F35 | 22 May 2017 | 61 | 10.14 | 93.37 | 4.2 | 33.68 | 7.8 | 25.9 | 0.11 |
| F35 | 22 May 2017 | 62 | 10.13 | 93.45 | 4.2 | 33.68 | 7.8 | 25.9 | 0.10 |
| F35 | 22 May 2017 | 63 | 10.13 | 93.46 | 4.2 | 33.68 | 7.8 | 25.9 | 0.14 |
| F35 | 22 May 2017 | 64 | 10.11 | 93.48 | 4.2 | 33.69 | 7.8 | 25.9 | 0.08 |
| F35 | 22 May 2017 | 65 | 10.10 | 93.45 | 4.2 | 33.69 | 7.8 | 25.9 | 0.09 |
| F35 | 22 May 2017 | 66 | 10.06 | 93.41 | 4.1 | 33.71 | 7.8 | 25.9 | 0.07 |
| F35 | 22 May 2017 | 67 | 10.03 | 93.37 | 4.0 | 33.72 | 7.8 | 25.9 | 0.08 |
| F35 | 22 May 2017 | 68 | 10.03 | 93.32 | 4.0 | 33.72 | 7.8 | 25.9 | 0.06 |
| F35 | 22 May 2017 | 69 | 10.02 | 93.28 | 4.0 | 33.72 | 7.7 | 26.0 | 0.08 |
| F35 | 22 May 2017 | 70 | 10.01 | 93.29 | 4.0 | 33.73 | 7.7 | 26.0 | 0.07 |
| F35 | 22 May 2017 | 71 | 10.00 | 93.26 | 4.0 | 33.73 | 7.7 | 26.0 | 0.04 |
| F35 | 22 May 2017 | 72 | 9.98 | 93.20 | 4.0 | 33.74 | 7.7 | 26.0 | 0.04 |
| F35 | 22 May 2017 | 73 | 9.98 | 93.27 | 4.0 | 33.74 | 7.7 | 26.0 | 0.06 |
| F35 | 22 May 2017 | 74 | 9.97 | 93.27 | 3.9 | 33.74 | 7.7 | 26.0 | 0.05 |
| F35 | 22 May 2017 | 75 | 9.97 | 93.27 | 3.9 | 33.74 | 7.7 | 26.0 | 0.04 |
| F35 | 22 May 2017 | 76 | 9.96 | 93.21 | 3.9 | 33.75 | 7.7 | 26.0 | 0.07 |
| F35 | 22 May 2017 | 77 | 9.94 | 93.08 | 3.9 | 33.76 | 7.7 | 26.0 | 0.04 |
| F35 | 22 May 2017 | 78 | 9.91 | 93.00 | 3.8 | 33.77 | 7.7 | 26.0 | 0.04 |
| F35 | 22 May 2017 | 79 | 9.89 | 93.04 | 3.8 | 33.78 | 7.7 | 26.0 | 0.03 |
| F35 | 22 May 2017 | 80 | 9.84 | 92.97 | 3.8 | 33.80 | 7.7 | 26.0 | 0.02 |
| F35 | 22 May 2017 | 81 | 9.83 | 93.11 | 3.8 | 33.80 | 7.7 | 26.0 | 0.01 |
| F35 | 22 May 2017 | 82 | 9.81 | 93.31 | 3.8 | 33.80 | 7.7 | 26.0 | 0.03 |
| F35 | 22 May 2017 | 83 | 9.81 | 93.34 | 3.8 | 33.80 | 7.7 | 26.1 | 0.02 |
| F35 | 22 May 2017 | 84 | 9.80 | 93.43 | 3.8 | 33.81 | 7.7 | 26.1 | 0.04 |
| F35 | 22 May 2017 | 85 | 9.79 | 93.39 | 3.8 | 33.81 | 7.7 | 26.1 | 0.02 |
| F35 | 22 May 2017 | 86 | 9.79 | 93.20 | 3.7 | 33.82 | 7.7 | 26.1 | 0.03 |
| F35 | 22 May 2017 | 87 | 9.79 | 90.80 | 3.6 | 33.83 | 7.7 | 26.1 | 0.02 |
| F35 | 22 May 2017 | 88 | 9.77 | 89.95 | 3.5 | 33.86 | 7.7 | 26.1 | 0.01 |
| F35 | 22 May 2017 | 89 | 9.75 | 89.75 | 3.4 | 33.87 | 7.7 | 26.1 | 0.01 |
| F35 | 22 May 2017 | 90 | 9.75 | 89.68 | 3.3 | 33.87 | 7.7 | 26.1 | 0.02 |
| F35 | 22 May 2017 | 91 | 9.74 | 89.81 | 3.3 | 33.88 | 7.7 | 26.1 | 0.02 |
| F35 | 22 May 2017 | 92 | 9.72 | 90.10 | 3.3 | 33.89 | 7.7 | 26.1 | 0.02 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F35 | 22 May 2017 | 93 | 9.67 | 90.10 | 3.2 | 33.92 | 7.7 | 26.2 | 0.01 |
| F35 | 22 May 2017 | 94 | 9.66 | 90.09 | 3.2 | 33.93 | 7.7 | 26.2 | NA |
| F35 | 22 May 2017 | 95 | 9.66 | 89.56 | 3.1 | 33.94 | 7.7 | 26.2 | 0.01 |
| F35 | 22 May 2017 | 96 | 9.65 | 89.15 | 3.1 | 33.94 | 7.7 | 26.2 | 0.01 |
| F35 | 22 May 2017 | 97 | 9.65 | 88.88 | 3.1 | 33.95 | 7.7 | 26.2 | 0.01 |
| F35 | 22 May 2017 | 98 | 9.63 | 88.18 | 3.0 | 33.96 | 7.7 | 26.2 | NA |
| F35 | 22 May 2017 | 99 | 9.60 | 87.72 | 3.0 | 33.98 | 7.7 | 26.2 | 0.01 |
| F35 | 22 May 2017 | 100 | 9.60 | 88.24 | 3.0 | 33.99 | 7.7 | 26.2 | NA |
| | | | | | | | | | |
| F36 | 22 May 2017 | 1 | 17.96 | 85.87 | 8.3 | 33.47 | 8.2 | 24.1 | 0.64 |
| F36 | 22 May 2017 | 2 | 17.95 | 85.96 | 8.3 | 33.47 | 8.2 | 24.1 | 0.75 |
| F36 | 22 May 2017 | 3 | 17.94 | 86.21 | 8.3 | 33.47 | 8.2 | 24.1 | 0.77 |
| F36 | 22 May 2017 | 4 | 17.60 | 86.45 | 8.2 | 33.48 | 8.2 | 24.2 | 0.71 |
| F36 | 22 May 2017 | 5 | 17.24 | 87.54 | 8.3 | 33.46 | 8.2 | 24.3 | 0.56 |
| F36 | 22 May 2017 | 6 | 16.84 | 88.96 | 8.3 | 33.45 | 8.2 | 24.4 | 0.45 |
| F36 | 22 May 2017 | 7 | 16.48 | 89.46 | 8.3 | 33.45 | 8.2 | 24.4 | 0.46 |
| F36 | 22 May 2017 | 8 | 15.60 | 89.24 | 8.5 | 33.45 | 8.2 | 24.6 | 0.59 |
| F36 | 22 May 2017 | 9 | 14.71 | 88.88 | 8.6 | 33.41 | 8.1 | 24.8 | 0.80 |
| F36 | 22 May 2017 | 10 | 14.38 | 89.02 | 8.6 | 33.40 | 8.1 | 24.9 | 1.04 |
| F36 | 22 May 2017 | 11 | 13.85 | 88.84 | 8.6 | 33.37 | 8.1 | 25.0 | 1.48 |
| F36 | 22 May 2017 | 12 | 13.84 | 87.94 | 8.5 | 33.37 | 8.1 | 25.0 | 1.75 |
| F36 | 22 May 2017 | 13 | 13.83 | 87.97 | 8.5 | 33.37 | 8.1 | 25.0 | 1.87 |
| F36 | 22 May 2017 | 14 | 13.75 | 88.28 | 8.5 | 33.37 | 8.1 | 25.0 | 1.84 |
| F36 | 22 May 2017 | 15 | 13.72 | 88.30 | 8.4 | 33.37 | 8.1 | 25.0 | 1.79 |
| F36 | 22 May 2017 | 16 | 13.62 | 88.28 | 8.4 | 33.38 | 8.1 | 25.0 | 1.82 |
| F36 | 22 May 2017 | 17 | 13.42 | 88.47 | 8.3 | 33.40 | 8.1 | 25.1 | 1.84 |
| F36 | 22 May 2017 | 18 | 12.90 | 88.68 | 8.2 | 33.40 | 8.1 | 25.2 | 2.10 |
| F36 | 22 May 2017 | 19 | 12.58 | 88.80 | 8.1 | 33.39 | 8.1 | 25.2 | 2.31 |
| F36 | 22 May 2017 | 20 | 12.40 | 89.05 | 8.1 | 33.40 | 8.1 | 25.3 | 2.40 |
| F36 | 22 May 2017 | 21 | 12.11 | 88.23 | 8.1 | 33.39 | 8.1 | 25.3 | 3.48 |
| F36 | 22 May 2017 | 22 | 12.02 | 85.68 | 7.4 | 33.42 | 8.1 | 25.4 | 30.64 |
| F36 | 22 May 2017 | 23 | 11.50 | 72.55 | 6.4 | 33.44 | 8.0 | 25.5 | 35.75 |
| F36 | 22 May 2017 | 24 | 11.29 | 68.83 | 5.7 | 33.46 | 7.9 | 25.5 | 16.07 |
| F36 | 22 May 2017 | 25 | 11.25 | 83.20 | 5.4 | 33.46 | 7.9 | 25.5 | 7.44 |
| F36 | 22 May 2017 | 26 | 11.14 | 85.91 | 5.3 | 33.49 | 7.9 | 25.6 | 3.78 |
| F36 | 22 May 2017 | 27 | 11.10 | 88.11 | 5.1 | 33.50 | 7.8 | 25.6 | 3.29 |
| F36 | 22 May 2017 | 28 | 11.08 | 88.91 | 5.0 | 33.51 | 7.8 | 25.6 | 2.90 |
| F36 | 22 May 2017 | 29 | 11.06 | 88.45 | 4.9 | 33.51 | 7.8 | 25.6 | 2.59 |
| F36 | 22 May 2017 | 30 | 11.02 | 87.97 | 4.8 | 33.52 | 7.8 | 25.6 | 2.75 |
| F36 | 22 May 2017 | 31 | 10.97 | 88.00 | 4.7 | 33.53 | 7.8 | 25.6 | 2.05 |
| F36 | 22 May 2017 | 32 | 10.88 | 88.75 | 4.6 | 33.55 | 7.8 | 25.7 | 1.43 |
| F36 | 22 May 2017 | 33 | 10.81 | 90.53 | 4.7 | 33.55 | 7.8 | 25.7 | 0.83 |
| F36 | 22 May 2017 | 34 | 10.80 | 90.66 | 4.7 | 33.55 | 7.8 | 25.7 | 0.68 |
| F36 | 22 May 2017 | 35 | 10.75 | 90.32 | 4.7 | 33.56 | 7.8 | 25.7 | 0.46 |
| F36 | 22 May 2017 | 36 | 10.74 | 91.99 | 4.7 | 33.56 | 7.8 | 25.7 | 0.53 |
| F36 | 22 May 2017 | 37 | 10.70 | 92.46 | 4.7 | 33.56 | 7.8 | 25.7 | 0.45 |
| F36 | 22 May 2017 | 38 | 10.65 | 92.66 | 4.7 | 33.57 | 7.8 | 25.7 | 0.43 |
| F36 | 22 May 2017 | 39 | 10.61 | 92.79 | 4.6 | 33.58 | 7.8 | 25.7 | 0.35 |
| F36 | 22 May 2017 | 40 | 10.57 | 92.81 | 4.6 | 33.59 | 7.8 | 25.8 | 0.33 |
| F36 | 22 May 2017 | 41 | 10.51 | 92.70 | 4.5 | 33.61 | 7.8 | 25.8 | 0.34 |
| F36 | 22 May 2017 | 42 | 10.46 | 92.70 | 4.4 | 33.62 | 7.8 | 25.8 | 0.34 |
| F36 | 22 May 2017 | 43 | 10.40 | 92.69 | 4.4 | 33.64 | 7.8 | 25.8 | 0.29 |
| F36 | 22 May 2017 | 44 | 10.34 | 92.69 | 4.4 | 33.64 | 7.8 | 25.8 | 0.25 |
| F36 | 22 May 2017 | 45 | 10.31 | 92.88 | 4.3 | 33.65 | 7.8 | 25.8 | 0.27 |
| F36 | 22 May 2017 | 46 | 10.30 | 92.72 | 4.3 | 33.66 | 7.8 | 25.9 | 0.19 |

| Station | Date | Depth (m) | Temp (°C) | XMS (%) | DO (mg/L) | Sal (ppt) | pH | Dens ($\sigma$-t) | Chlor ($\mu$g/L) |
|---|---|---|---|---|---|---|---|---|---|
| F36 | 22 May 2017 | 47 | 10.27 | 92.82 | 4.3 | 33.66 | 7.8 | 25.9 | 0.18 |
| F36 | 22 May 2017 | 48 | 10.25 | 92.88 | 4.3 | 33.66 | 7.8 | 25.9 | 0.19 |
| F36 | 22 May 2017 | 49 | 10.20 | 92.97 | 4.4 | 33.67 | 7.8 | 25.9 | 0.16 |
| F36 | 22 May 2017 | 50 | 10.15 | 93.06 | 4.3 | 33.68 | 7.8 | 25.9 | 0.12 |
| F36 | 22 May 2017 | 51 | 10.14 | 93.14 | 4.3 | 33.69 | 7.8 | 25.9 | 0.09 |
| F36 | 22 May 2017 | 52 | 10.14 | 93.15 | 4.3 | 33.69 | 7.8 | 25.9 | 0.11 |
| F36 | 22 May 2017 | 53 | 10.13 | 93.14 | 4.3 | 33.69 | 7.8 | 25.9 | 0.09 |
| F36 | 22 May 2017 | 54 | 10.12 | 93.11 | 4.3 | 33.69 | 7.8 | 25.9 | 0.09 |
| F36 | 22 May 2017 | 55 | 10.11 | 93.00 | 4.3 | 33.69 | 7.8 | 25.9 | 0.09 |
| F36 | 22 May 2017 | 56 | 10.09 | 93.19 | 4.3 | 33.70 | 7.8 | 25.9 | 0.09 |
| F36 | 22 May 2017 | 57 | 10.06 | 93.34 | 4.3 | 33.70 | 7.8 | 25.9 | 0.10 |
| F36 | 22 May 2017 | 58 | 10.05 | 93.38 | 4.3 | 33.71 | 7.8 | 25.9 | 0.10 |
| F36 | 22 May 2017 | 59 | 10.05 | 93.37 | 4.3 | 33.71 | 7.8 | 25.9 | 0.07 |
| F36 | 22 May 2017 | 60 | 10.04 | 93.44 | 4.2 | 33.71 | 7.8 | 25.9 | 0.07 |
| F36 | 22 May 2017 | 61 | 10.04 | 93.48 | 4.2 | 33.71 | 7.8 | 25.9 | 0.10 |
| F36 | 22 May 2017 | 62 | 10.02 | 93.48 | 4.2 | 33.72 | 7.8 | 25.9 | 0.06 |
| F36 | 22 May 2017 | 63 | 9.99 | 93.30 | 4.2 | 33.73 | 7.8 | 26.0 | 0.08 |
| F36 | 22 May 2017 | 64 | 9.97 | 93.52 | 4.2 | 33.73 | 7.8 | 26.0 | 0.12 |
| F36 | 22 May 2017 | 65 | 9.95 | 93.47 | 4.2 | 33.74 | 7.8 | 26.0 | 0.06 |
| F36 | 22 May 2017 | 66 | 9.93 | 93.47 | 4.2 | 33.74 | 7.8 | 26.0 | 0.04 |
| F36 | 22 May 2017 | 67 | 9.92 | 93.47 | 4.1 | 33.75 | 7.7 | 26.0 | 0.06 |
| F36 | 22 May 2017 | 68 | 9.92 | 93.49 | 4.1 | 33.75 | 7.7 | 26.0 | 0.07 |
| F36 | 22 May 2017 | 69 | 9.89 | 93.49 | 4.1 | 33.76 | 7.7 | 26.0 | 0.03 |
| F36 | 22 May 2017 | 70 | 9.88 | 93.54 | 4.1 | 33.76 | 7.7 | 26.0 | 0.03 |
| F36 | 22 May 2017 | 71 | 9.88 | 93.60 | 4.0 | 33.77 | 7.7 | 26.0 | 0.03 |
| F36 | 22 May 2017 | 72 | 9.88 | 93.57 | 4.0 | 33.77 | 7.7 | 26.0 | 0.02 |
| F36 | 22 May 2017 | 73 | 9.87 | 93.57 | 4.0 | 33.77 | 7.7 | 26.0 | 0.02 |
| F36 | 22 May 2017 | 74 | 9.87 | 93.53 | 4.0 | 33.77 | 7.7 | 26.0 | 0.06 |
| F36 | 22 May 2017 | 75 | 9.85 | 93.57 | 4.0 | 33.77 | 7.7 | 26.0 | 0.06 |
| F36 | 22 May 2017 | 76 | 9.84 | 93.55 | 4.0 | 33.78 | 7.7 | 26.0 | 0.02 |
| F36 | 22 May 2017 | 77 | 9.83 | 93.51 | 4.0 | 33.78 | 7.7 | 26.0 | 0.04 |
| F36 | 22 May 2017 | 78 | 9.81 | 93.56 | 4.0 | 33.78 | 7.7 | 26.0 | 0.03 |
| F36 | 22 May 2017 | 79 | 9.80 | 93.59 | 4.0 | 33.79 | 7.7 | 26.0 | 0.03 |
| F36 | 22 May 2017 | 80 | 9.78 | 93.59 | 3.9 | 33.80 | 7.7 | 26.0 | 0.02 |
| F36 | 22 May 2017 | 81 | 9.75 | 93.61 | 3.9 | 33.81 | 7.7 | 26.1 | 0.05 |
| F36 | 22 May 2017 | 82 | 9.74 | 93.59 | 3.9 | 33.81 | 7.7 | 26.1 | 0.03 |
| F36 | 22 May 2017 | 83 | 9.74 | 93.64 | 3.9 | 33.81 | 7.7 | 26.1 | 0.02 |
| F36 | 22 May 2017 | 84 | 9.72 | 93.60 | 3.9 | 33.81 | 7.7 | 26.1 | 0.02 |
| F36 | 22 May 2017 | 85 | 9.69 | 93.49 | 3.8 | 33.83 | 7.7 | 26.1 | 0.02 |
| F36 | 22 May 2017 | 86 | 9.67 | 93.57 | 3.7 | 33.86 | 7.7 | 26.1 | NA |
| F36 | 22 May 2017 | 87 | 9.65 | 93.66 | 3.6 | 33.91 | 7.7 | 26.2 | NA |
| F36 | 22 May 2017 | 88 | 9.64 | 93.56 | 3.5 | 33.91 | 7.7 | 26.2 | NA |
| F36 | 22 May 2017 | 89 | 9.64 | 93.44 | 3.5 | 33.91 | 7.7 | 26.2 | NA |
| F36 | 22 May 2017 | 90 | 9.64 | 93.40 | 3.5 | 33.91 | 7.7 | 26.2 | 0.01 |
| F36 | 22 May 2017 | 91 | 9.63 | 93.37 | 3.5 | 33.91 | 7.7 | 26.2 | 0.01 |
| F36 | 22 May 2017 | 92 | 9.64 | 93.08 | 3.4 | 33.91 | 7.7 | 26.2 | NA |
| F36 | 22 May 2017 | 93 | 9.64 | 93.16 | 3.4 | 33.91 | 7.7 | 26.2 | 0.01 |
| F36 | 22 May 2017 | 94 | 9.63 | 93.20 | 3.4 | 33.91 | 7.7 | 26.2 | 0.02 |
| F36 | 22 May 2017 | 95 | 9.63 | 93.12 | 3.4 | 33.91 | 7.7 | 26.2 | 0.04 |
| F36 | 22 May 2017 | 96 | 9.64 | 93.04 | 3.4 | 33.92 | 7.7 | 26.2 | 0.03 |
| F36 | 22 May 2017 | 97 | 9.65 | 92.51 | 3.3 | 33.94 | 7.7 | 26.2 | 0.04 |
| F36 | 22 May 2017 | 98 | 9.64 | 90.99 | 3.1 | 33.94 | 7.7 | 26.2 | 0.03 |
| F36 | 22 May 2017 | 99 | 9.61 | 91.08 | 3.1 | 33.97 | 7.7 | 26.2 | 0.01 |

NA = not available

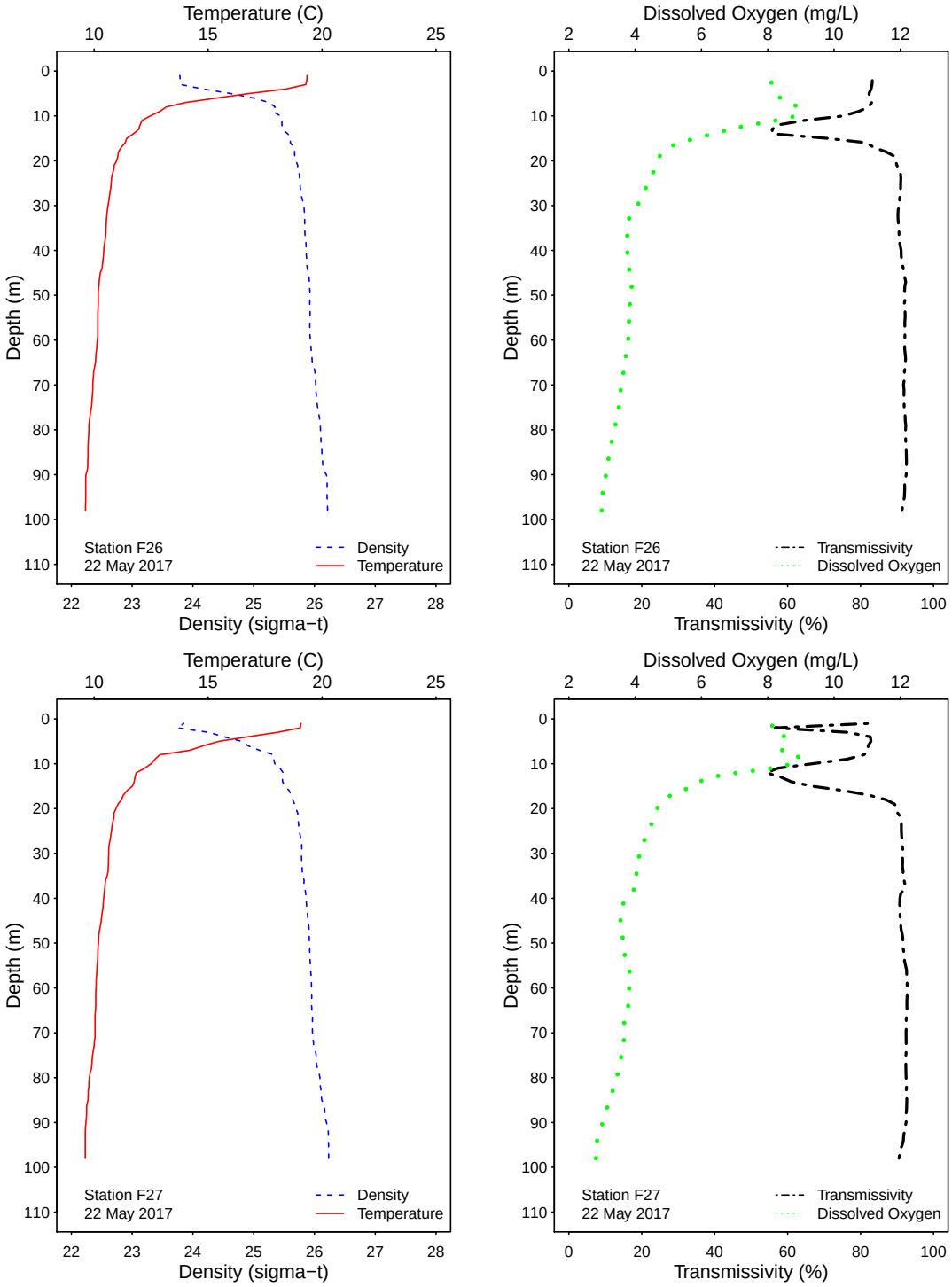


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

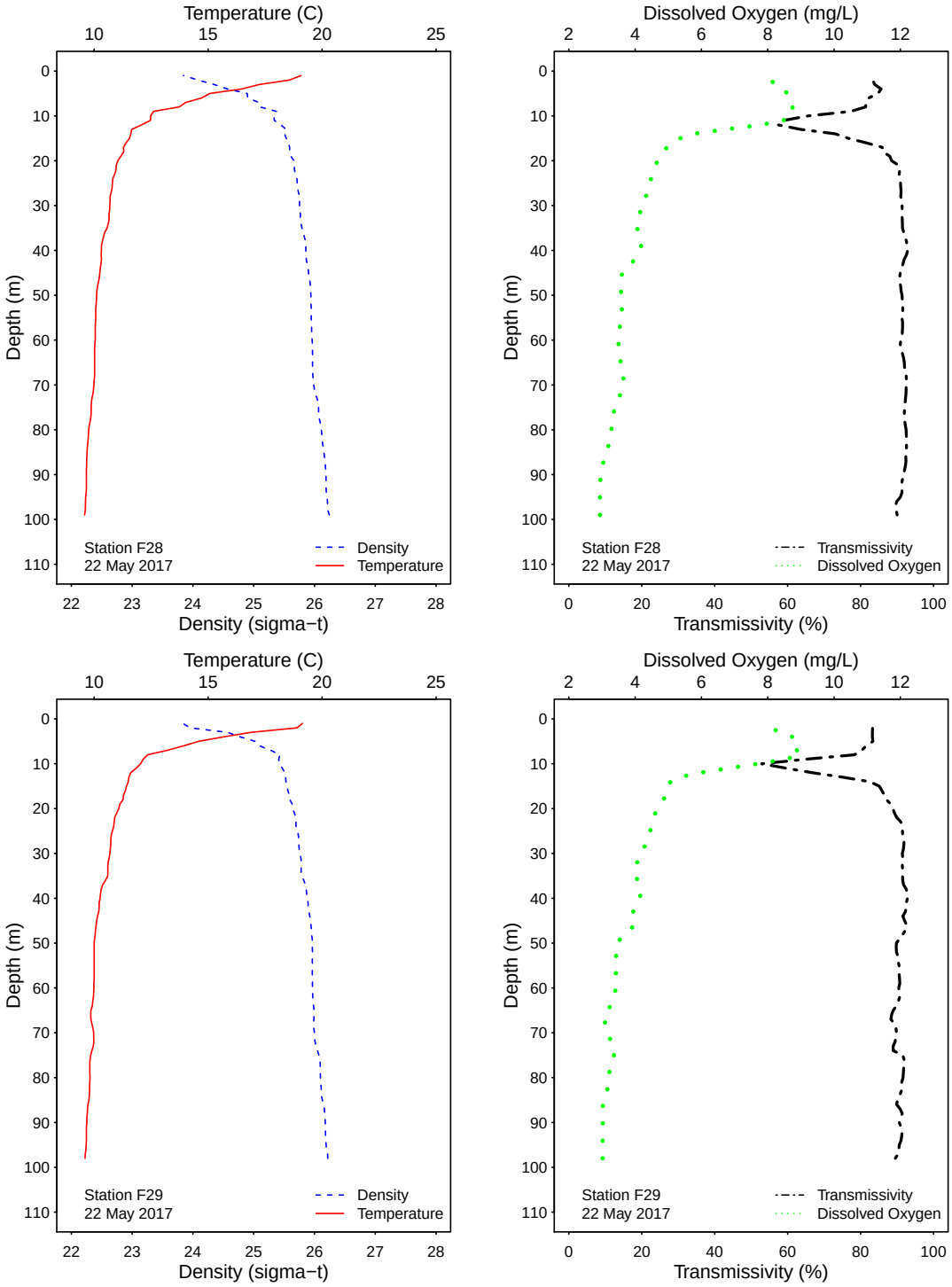


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

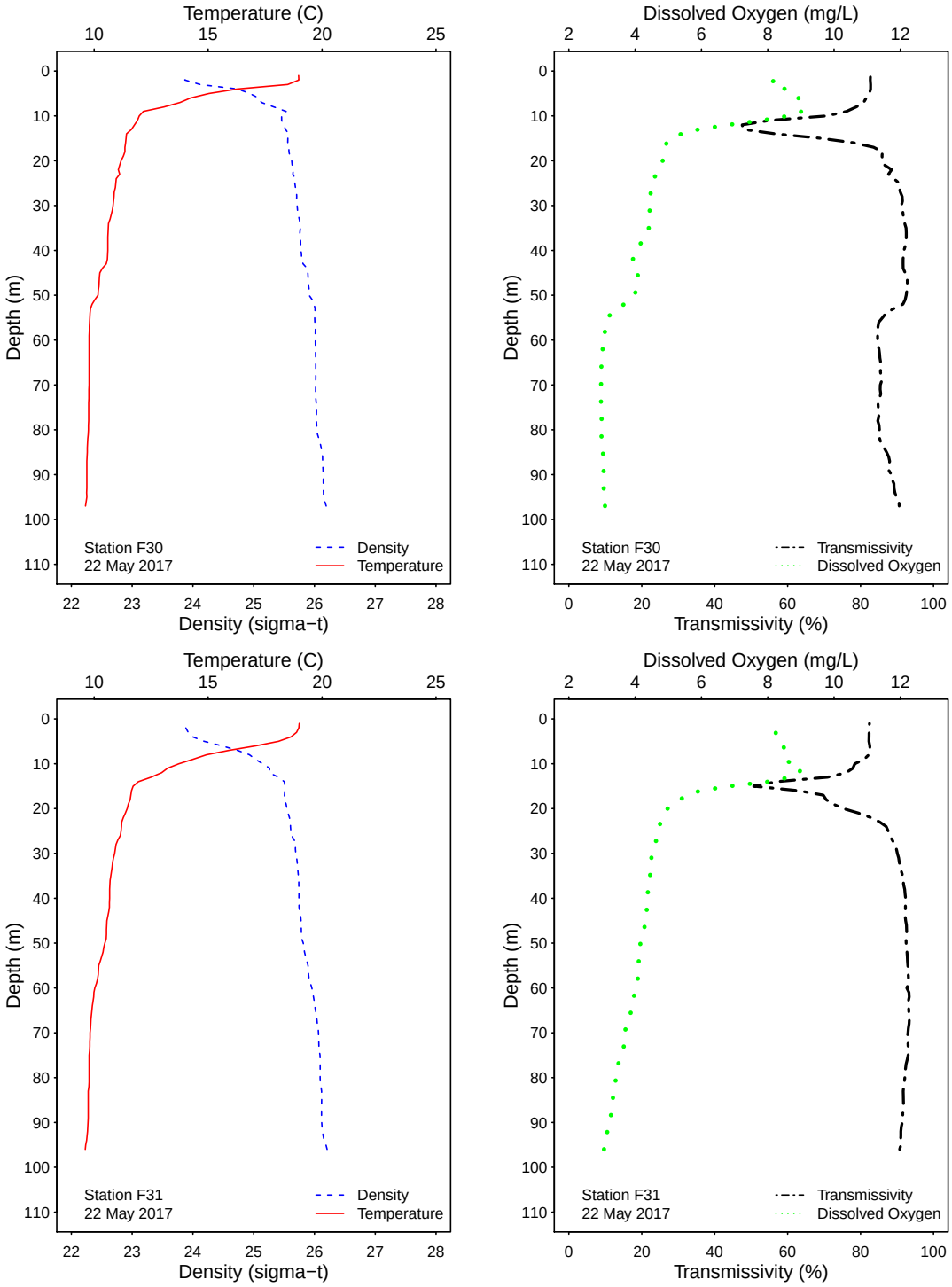


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

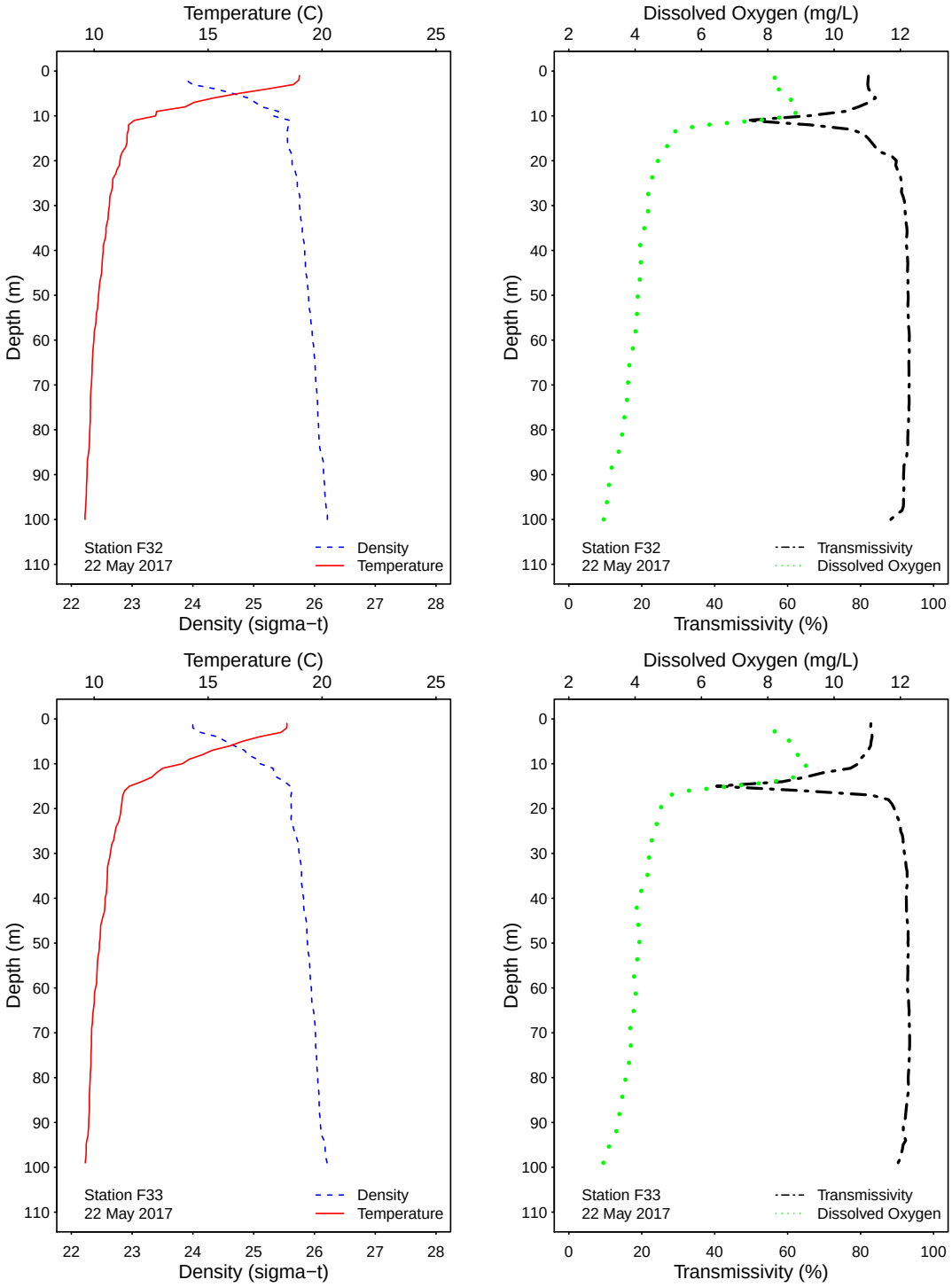


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

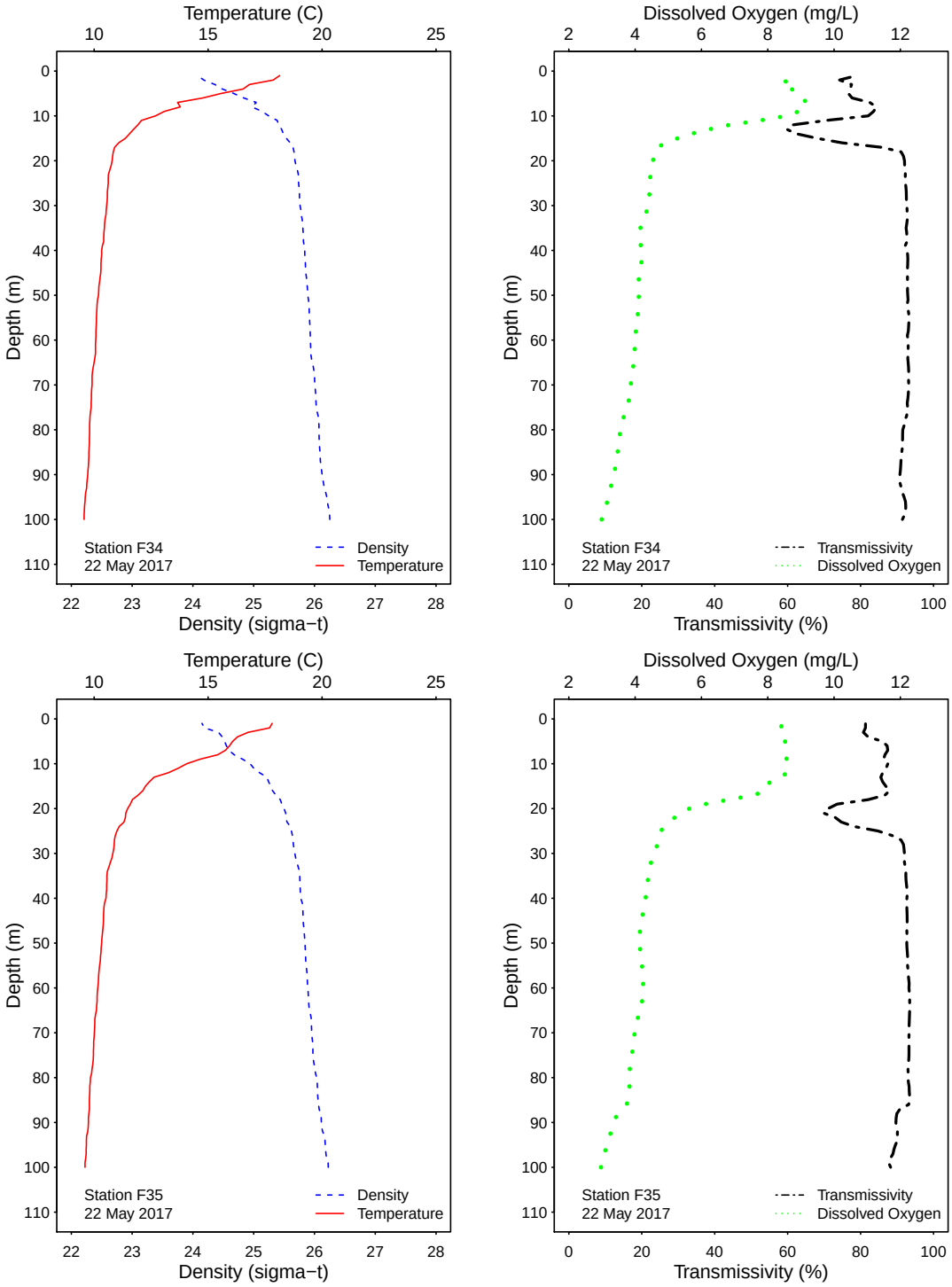


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

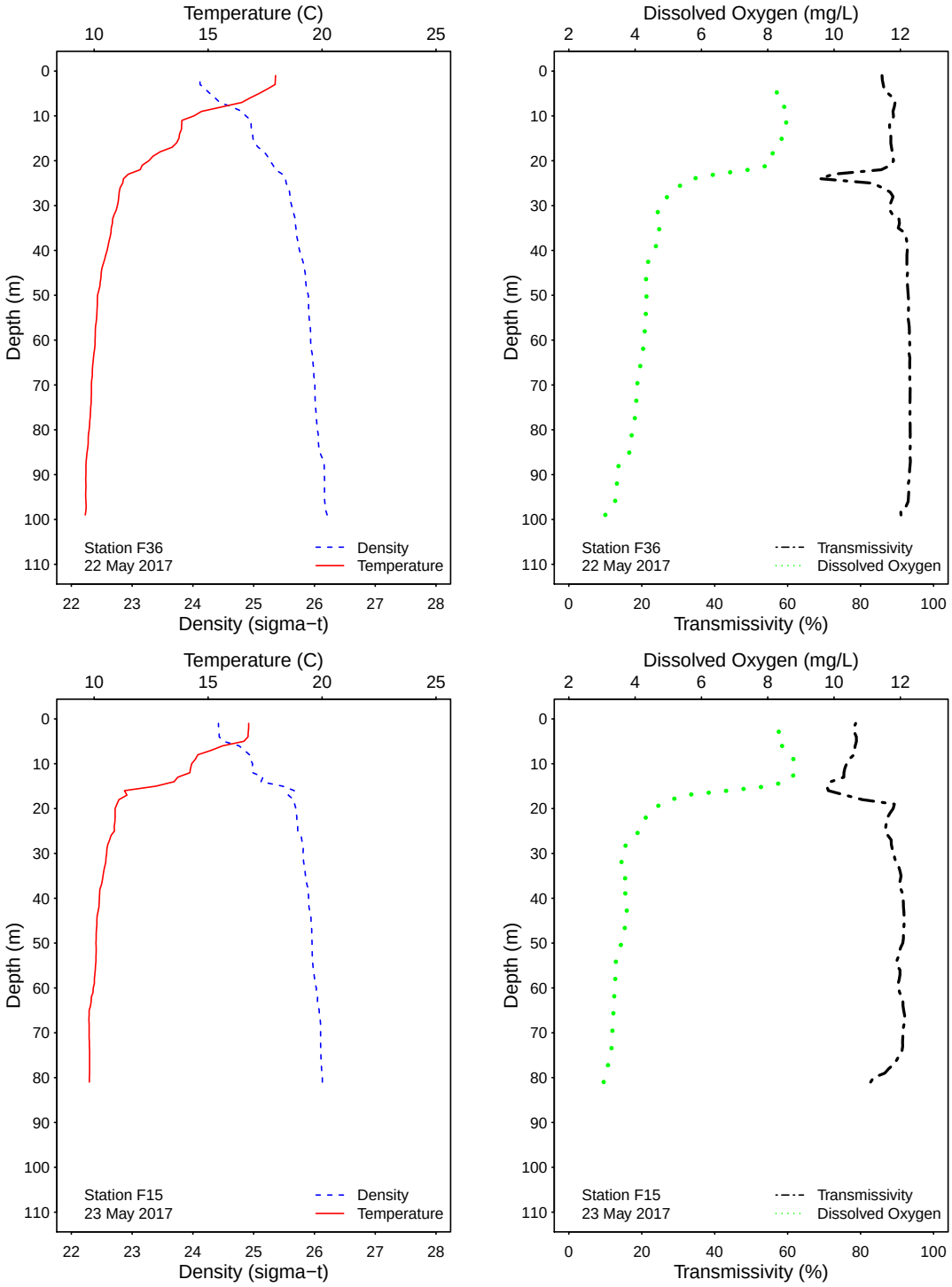


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

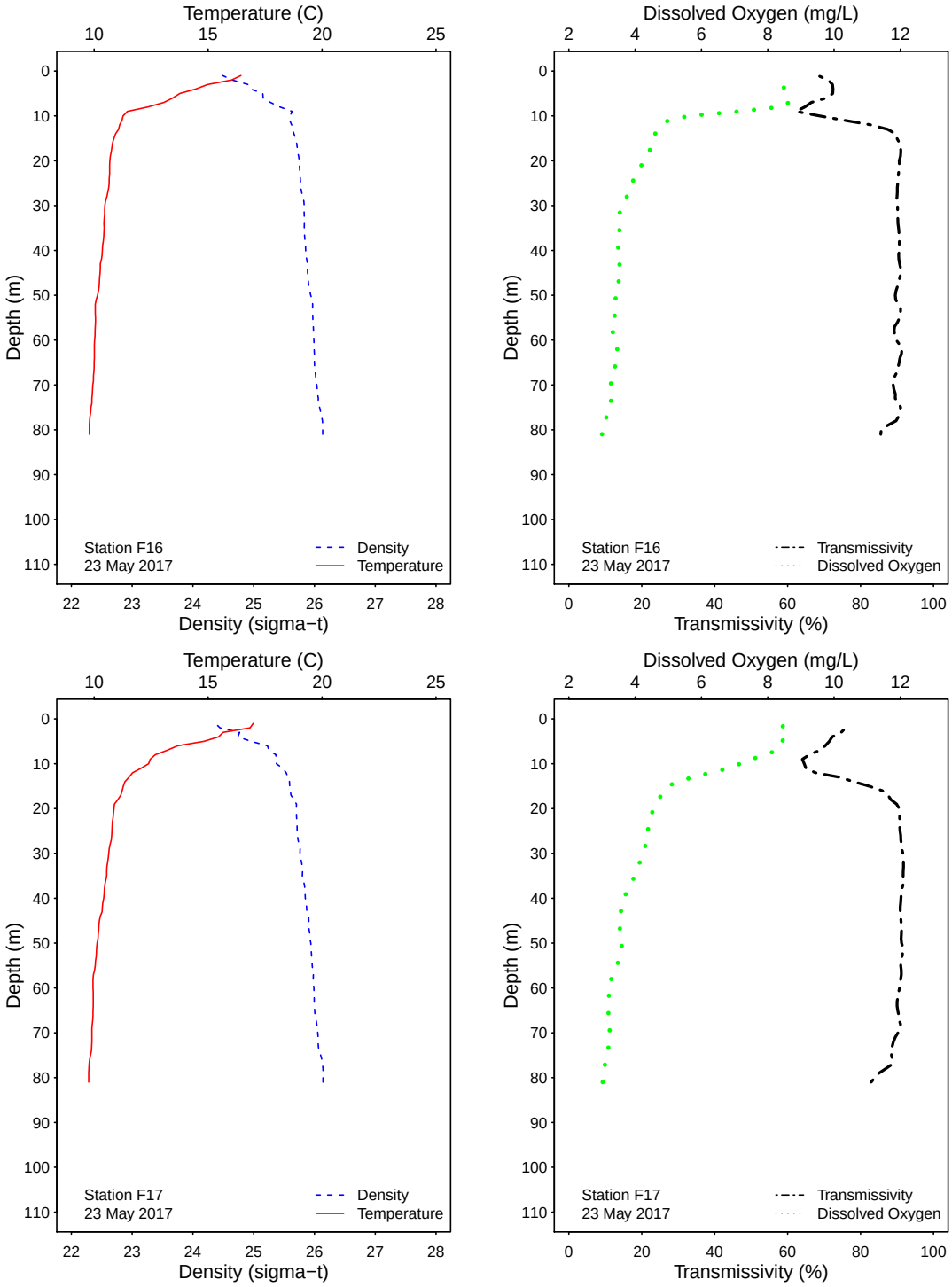


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

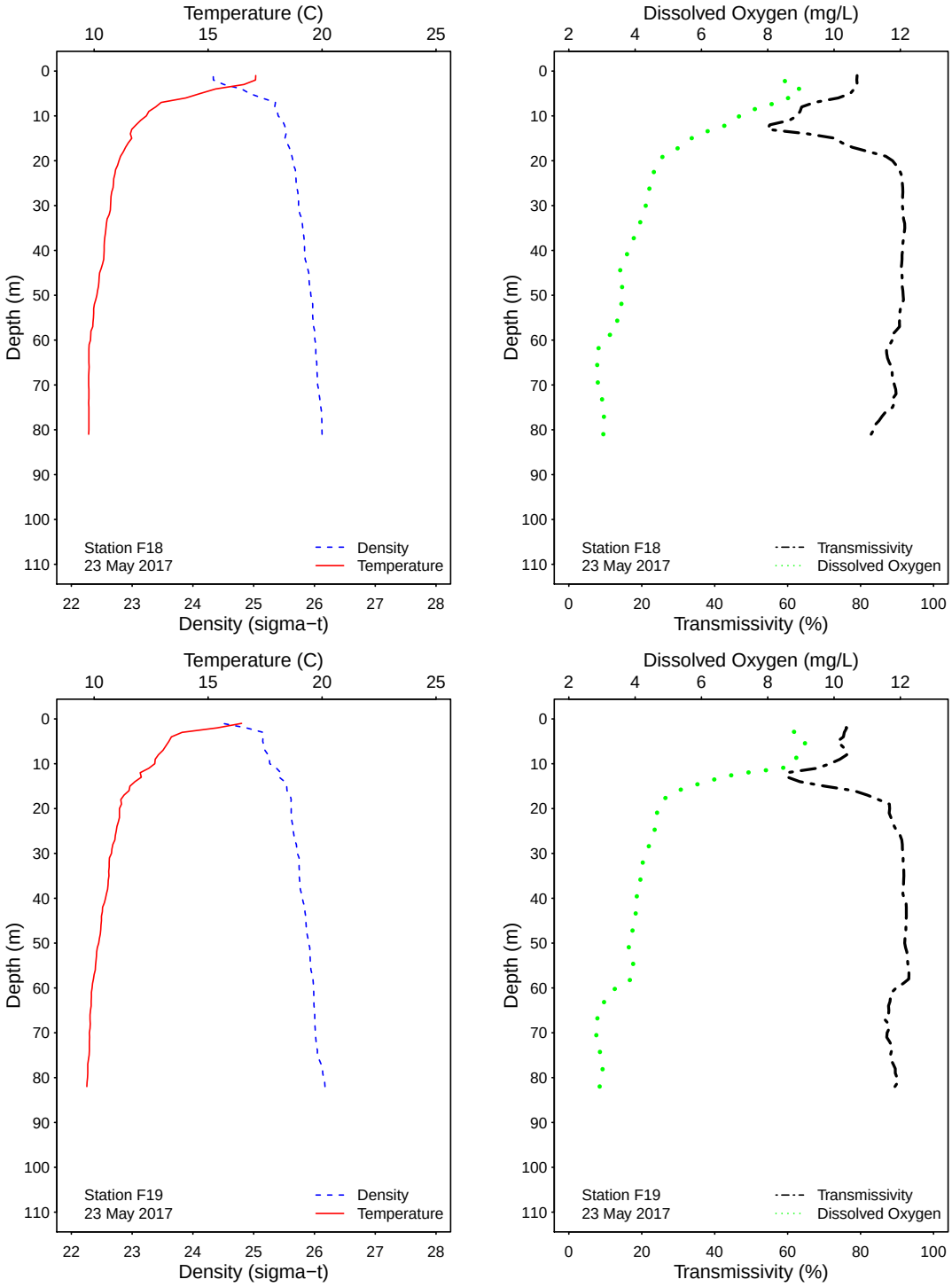


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

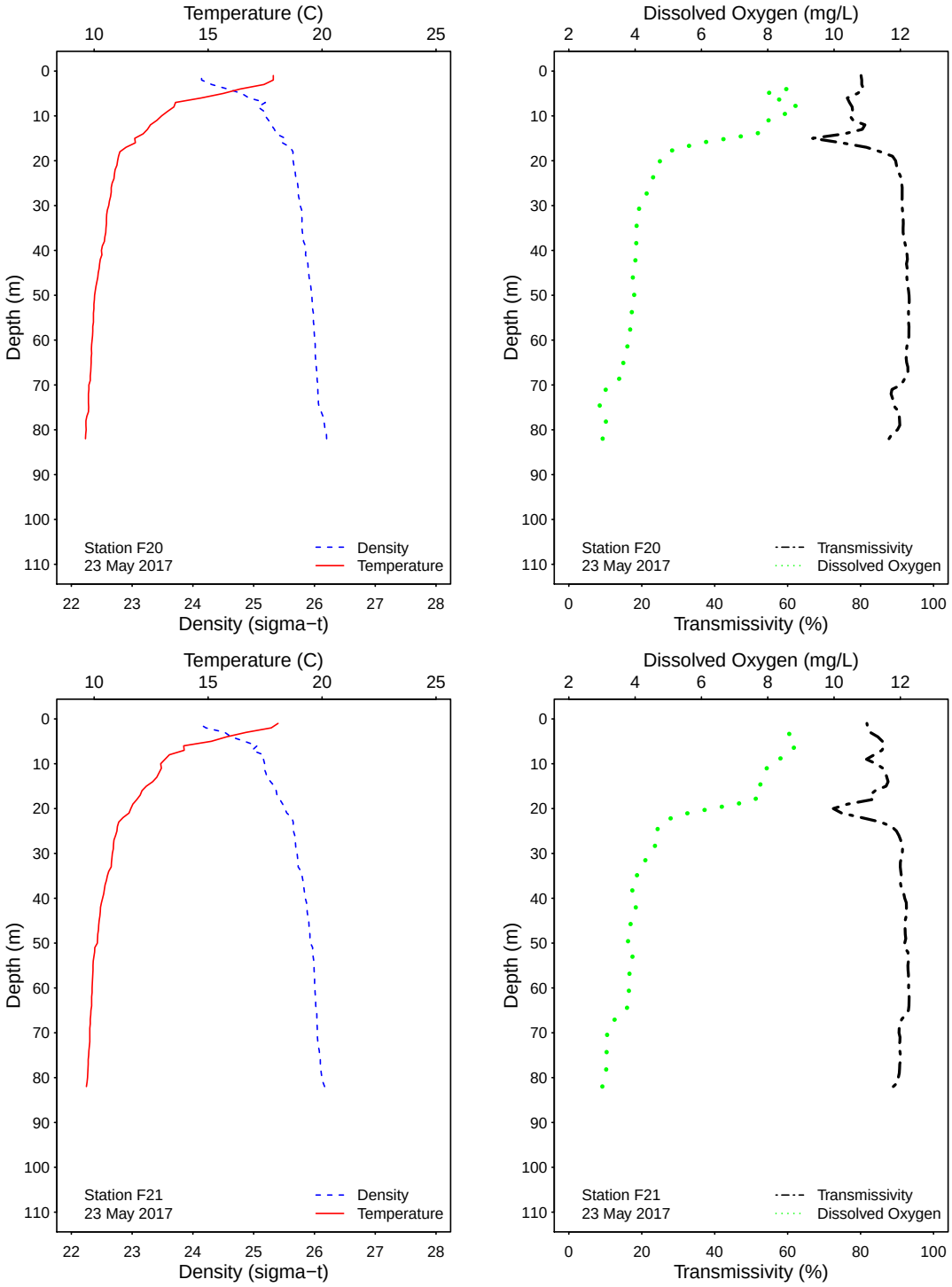


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

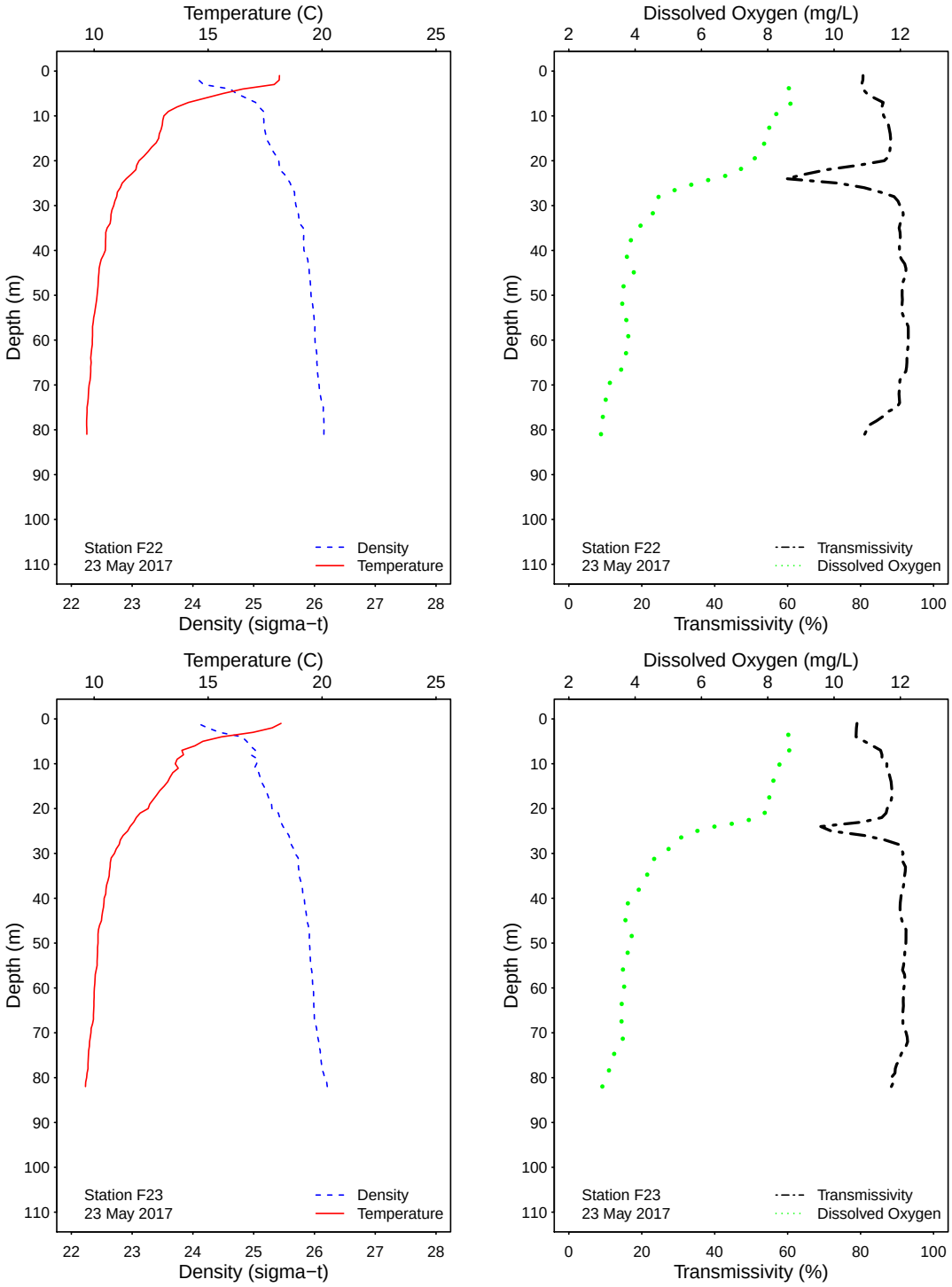


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

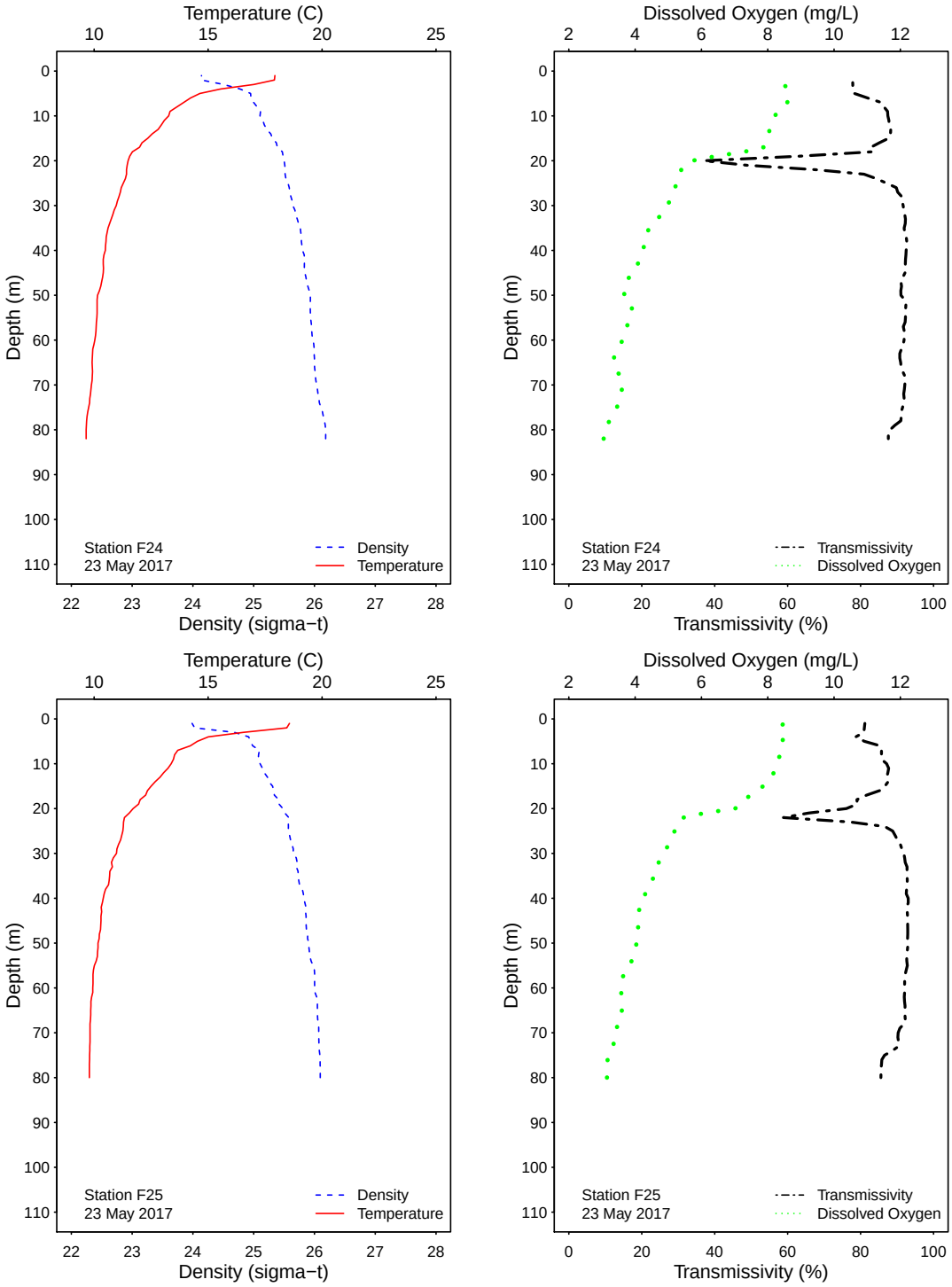


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

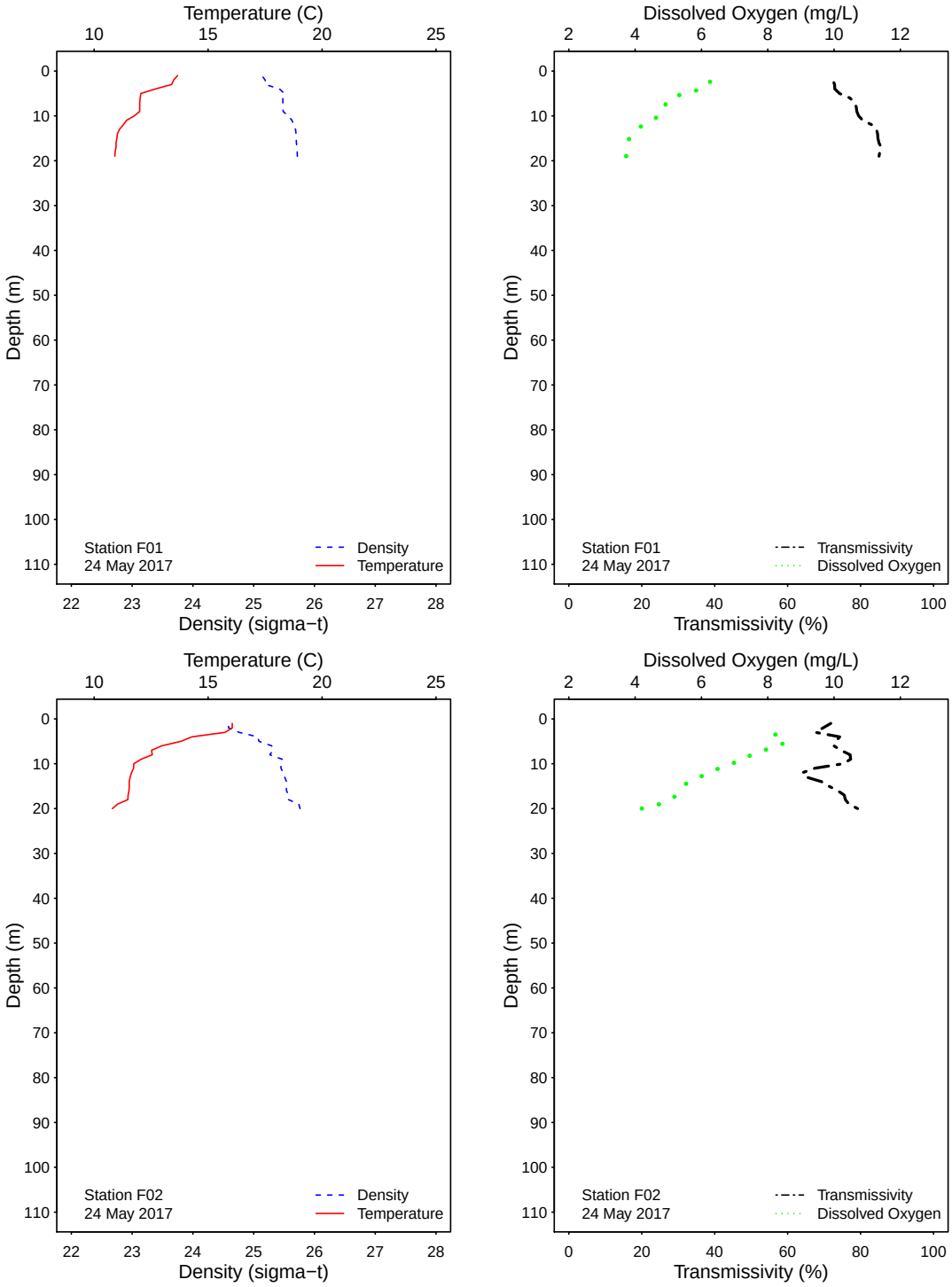


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

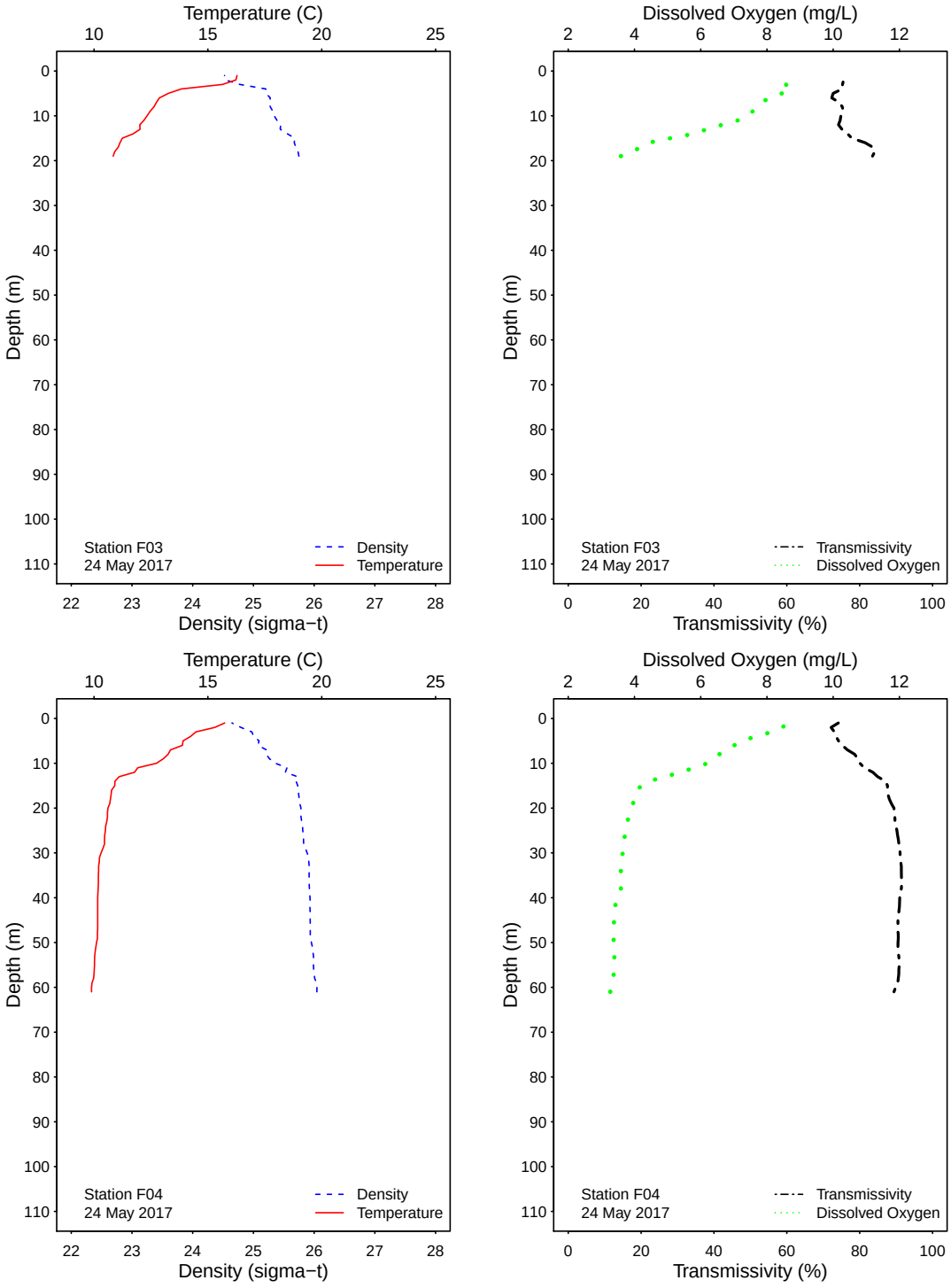


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

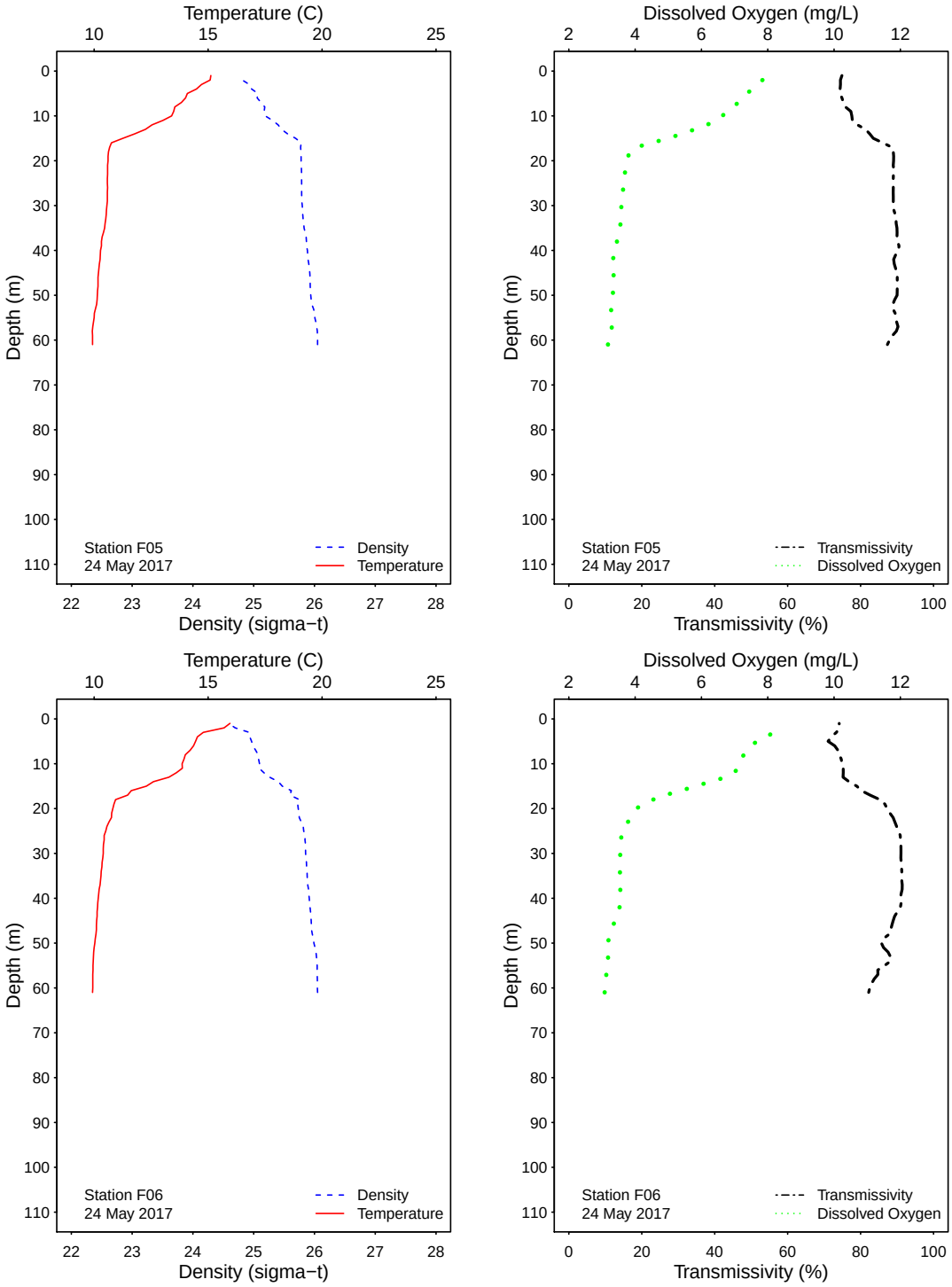


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

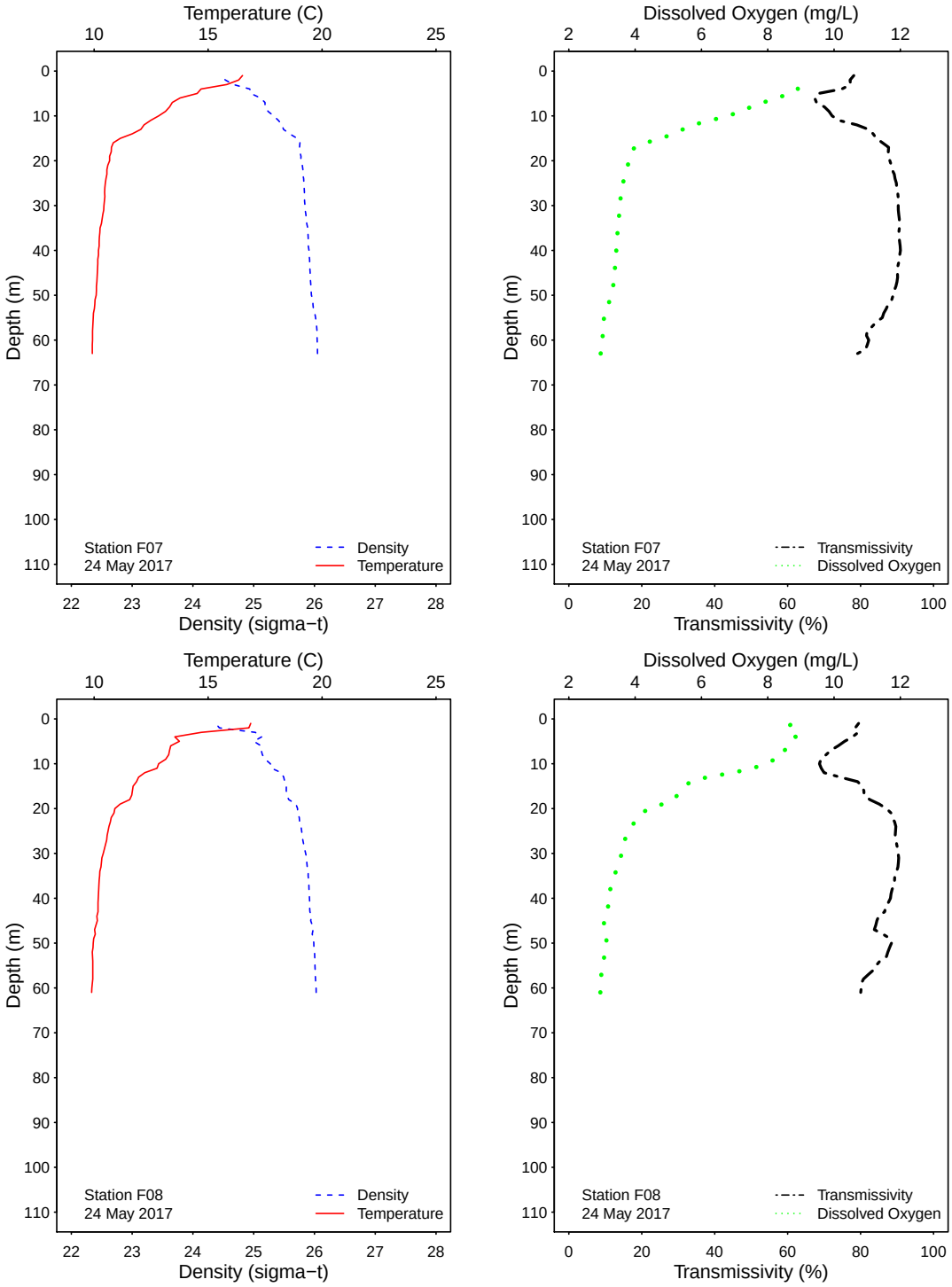


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

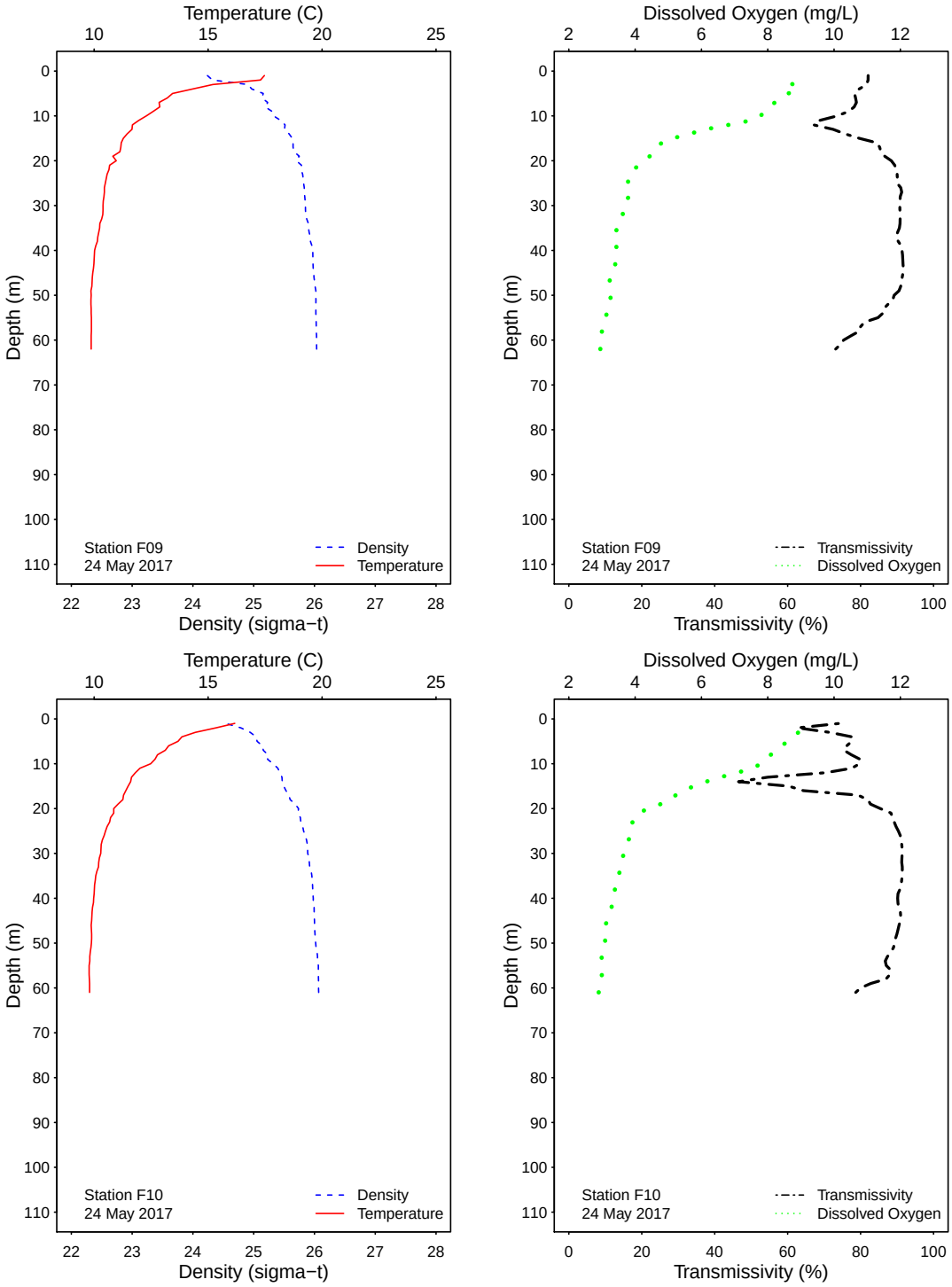


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

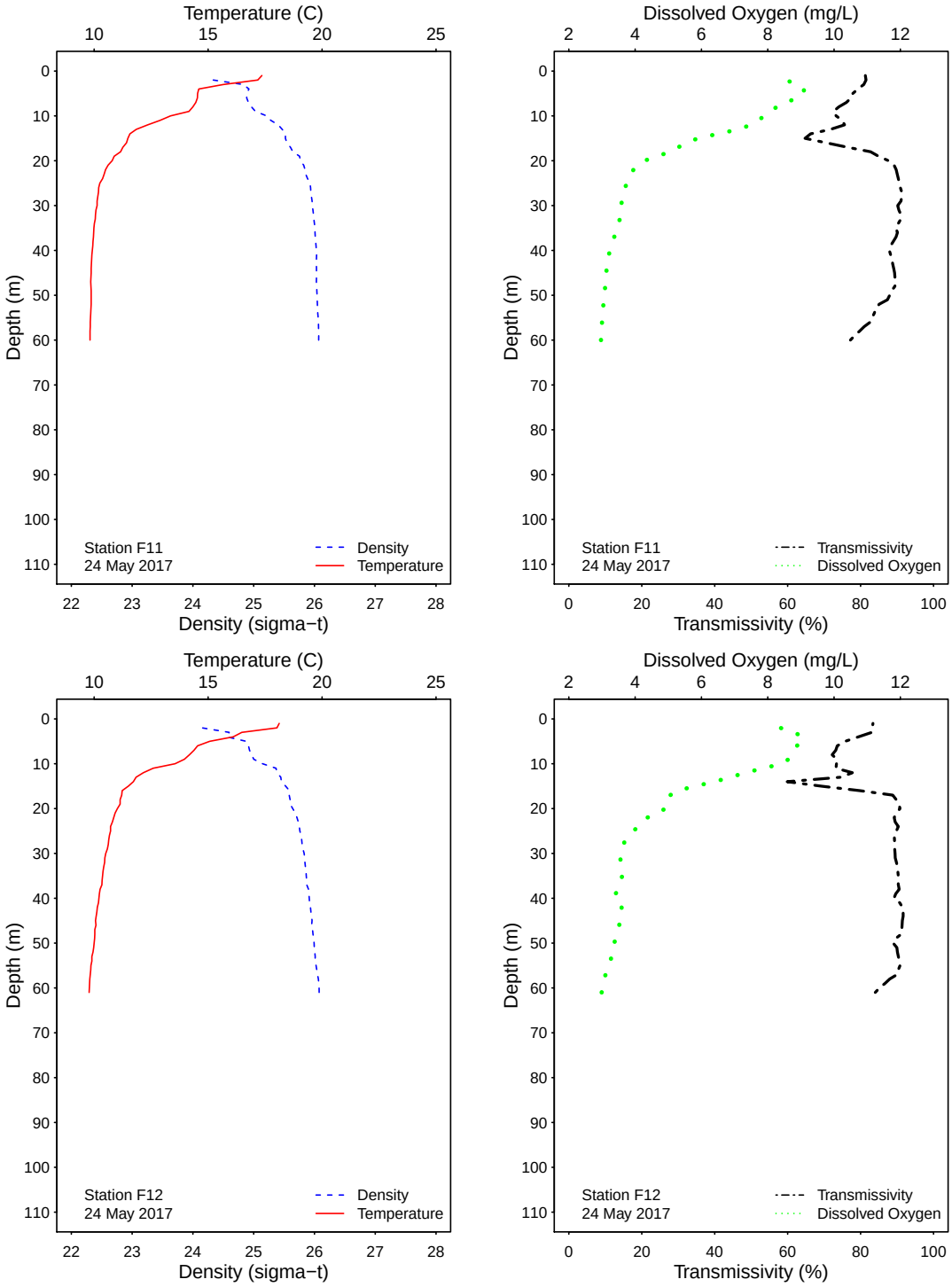


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

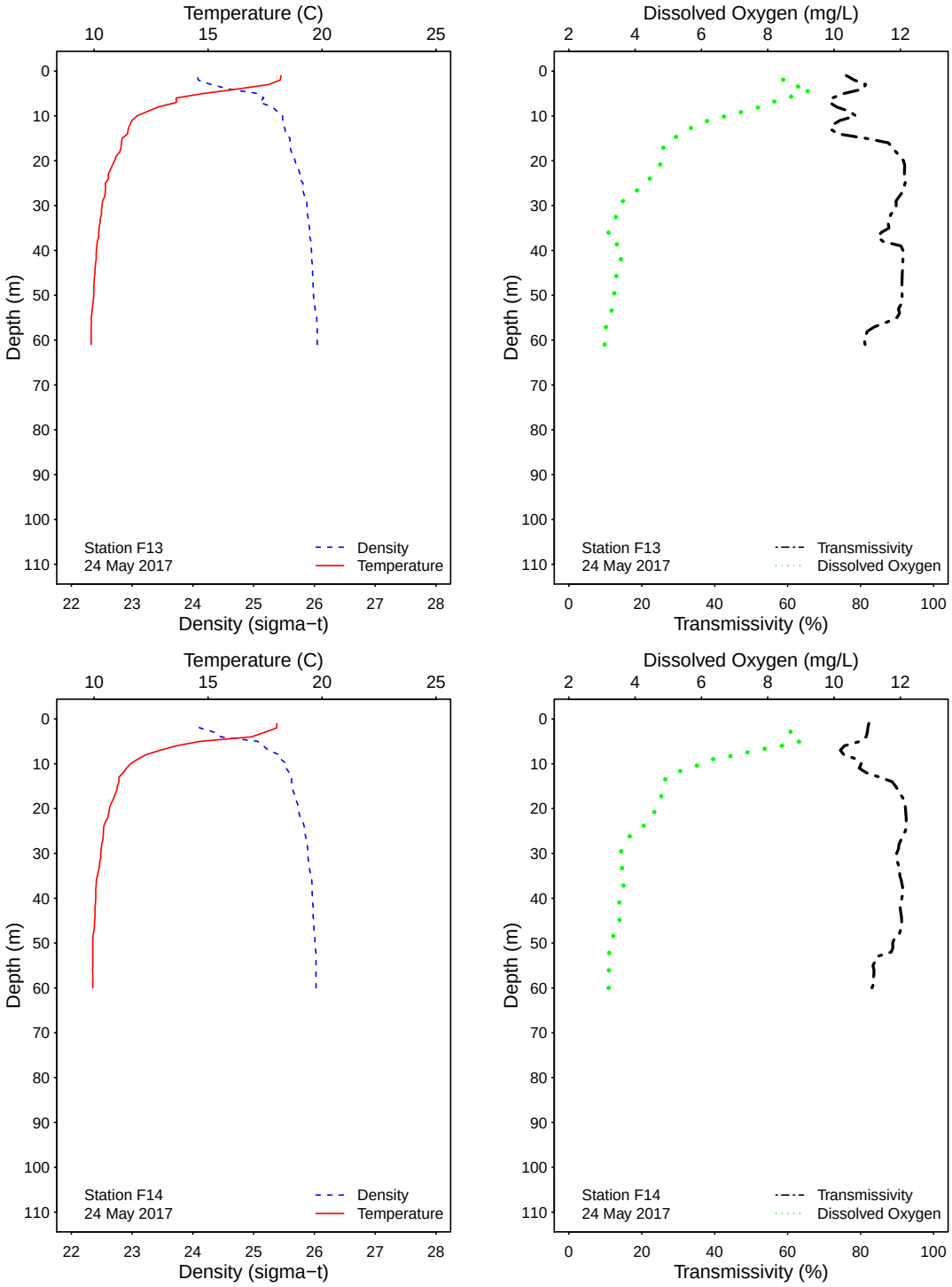


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

This page intentionally left blank

# APPENDIX A

## Quality Assurance

**Table A.1**

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

| Station | Date | Depth | Analyst | Procedure | Total | Fecal | Entero |
|---|---|---|---|---|---|---|---|
| A7 | 01 May 2017 | 18 | JT | LAB DUPLICATE | 4e | <2 | <2 |
| A7 | 11 May 2017 | 18 | ZV | LAB DUPLICATE | 10e | 4e | <2 |
| A7 | 19 May 2017 | 18 | LMA | LAB DUPLICATE | 2e | <2 | <2 |
| A7 | 25 May 2017 | 18 | AR | LAB DUPLICATE | 8e | <2 | <2 |
| A7 | 30 May 2017 | 18 | LMA | LAB DUPLICATE | ns | 2e | ns |
| A7 | 30 May 2017 | 18 | ZV | LAB DUPLICATE | 12e | ns | <2 |
| C7 | 01 May 2017 | 18 | JT | LAB DUPLICATE | <2 | <2 | <2 |
| C7 | 11 May 2017 | 18 | ZV | LAB DUPLICATE | <2 | <2 | <2 |
| C7 | 19 May 2017 | 18 | LMA | LAB DUPLICATE | <2 | <2 | <2 |
| C7 | 25 May 2017 | 18 | AR | LAB DUPLICATE | 2e | <2 | 2e |
| C7 | 30 May 2017 | 18 | LMA | LAB DUPLICATE | ns | 4e | ns |
| C7 | 30 May 2017 | 18 | ZV | LAB DUPLICATE | <20 | ns | <2 |
| C8 | 01 May 2017 | 12 | JT | LAB DUPLICATE | <2 | <2 | <2 |
| C8 | 11 May 2017 | 12 | ZV | LAB DUPLICATE | <2 | <2 | <2 |
| C8 | 19 May 2017 | 12 | LMA | LAB DUPLICATE | <2 | <2 | <2 |
| C8 | 25 May 2017 | 12 | AR | LAB DUPLICATE | <2 | <2 | <2 |
| C8 | 30 May 2017 | 12 | LMA | LAB DUPLICATE | ns | <2 | ns |
| C8 | 30 May 2017 | 12 | ZV | LAB DUPLICATE | 2e | ns | <2 |
| D12 | 05 May 2017 | | ZV | FIELD DUPLICATE | <2 | <2 | <2 |
| D12 | 05 May 2017 | | ZV | LAB DUPLICATE | <2 | <2 | <2 |
| D12 | 11 May 2017 | | LMA | FIELD DUPLICATE | <20 | <2 | <2 |
| D12 | 11 May 2017 | | LMA | LAB DUPLICATE | <20 | <2 | <2 |
| D12 | 17 May 2017 | | LMA | FIELD DUPLICATE | <20 | <2 | <2 |
| D12 | 17 May 2017 | | LMA | LAB DUPLICATE | <2 | 2e | <2 |
| D12 | 23 May 2017 | | LMA | FIELD DUPLICATE | <2 | <2 | 2e |
| D12 | 23 May 2017 | | LMA | LAB DUPLICATE | 20e | <2 | <2 |
| D12 | 29 May 2017 | | ZV | FIELD DUPLICATE | <20 | <2 | <2 |
| D12 | 29 May 2017 | | ZV | LAB DUPLICATE | <20 | <2 | <2 |
| F01 | 24 May 2017 | 12 | ZV | LAB DUPLICATE | ns | ns | <2 |
| F02 | 24 May 2017 | 12 | ZV | LAB DUPLICATE | ns | ns | <2 |
| F07 | 24 May 2017 | 60 | ZV | LAB DUPLICATE | ns | ns | 10e |
| F08 | 24 May 2017 | 60 | ZV | LAB DUPLICATE | ns | ns | 18e |
| F11 | 24 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 16e |
| F17 | 23 May 2017 | 80 | LO | LAB DUPLICATE | ns | ns | <2 |
| F18 | 23 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 260e |
| F19 | 23 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 48e |
| F20 | 23 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | <2 |
| F21 | 23 May 2017 | 80 | ZV | LAB DUPLICATE | ns | ns | 160e |
| F28 | 22 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 32e |
| F29 | 22 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 30e |
| F30 | 22 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | 540 |
| F31 | 22 May 2017 | 80 | LO | LAB DUPLICATE | ns | ns | 20e |
| F32 | 22 May 2017 | 80 | LO | LAB DUPLICATE | ns | ns | <2 |
| F34 | 22 May 2017 | 60 | LO | LAB DUPLICATE | ns | ns | <2 |

ns = not sampled
ND = no data

This page intentionally left blank