SD Public Utilities

MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE SOUTH BAY OCEAN OUTFALL

SOUTH BAY WATER RECLAMATION PLANT

NPDES PERMIT NO. CA 0109045
SDRWQCB Order No. R9-2013-0006

NOVEMBER 2016

Environmental Monitoring and Technical Services
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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

December 30, 2016

David 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 November 2016 Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall, South Bay Water Reclamation Plant as required per Order No. R9-2013-0006, NPDES Permit No. CA0109045.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the South Bay outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan. These data are also presented in the monthly report submitted by the International Boundary and Water Commission, U.S. Section for discharge from the South Bay International Wastewater Treatment Plant (Order No. R9-2014-0009, NPDES Permit No. CA0108928).

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 Depaartment

TDS/asb

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

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INTRODUCTION

Monthly reports of water quality and ocean conditions from Playa Blanco, Mexico to Coronado, USA are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2013-0006, NPDES Permit No. CA0109045, for the South Bay Water Reclamation Plant (SBWRP), South Bay Ocean Outfall (SBOO). Order No. R9-2013-0006 superseded Order No. R9-2006-0067 effective April 4, 2013. 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 SBWRP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality monitoring was conducted at 11 stations located along the shore from Playa Blanca, Mexico to Coronado, USA (see station locations map). Three sites are located south of the international border (stations S0, S2, S3), while eight sites are in the United States (stations S4–S6 and S8–S12).

Seawater samples were collected from the surf zone at each station on a weekly basis. These samples were subsequently transported to the City's Marine Microbiology Laboratory and analyzed for the presence of total coliform, fecal coliform, and *Enterococcus* bacteria. Visual observations of water color and clarity, surf height, human or animal activity, and weather conditions were recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

Kelp Bed Stations

Seven kelp bed and other nearshore stations (I19, I24, I25, I26, I32, I39, I40; collectively referred to as "kelp" stations herein) were sampled five times during the month according to NPDES permit specifications. Six stations (I19, I24, I25, I26, I32, I40) are located along the 9- m depth contour, and one (I39) is located along the 18-m depth contour. Three of these stations, I25, I26, and I39, were selected based on their proximity to suitable substrates for the Imperial Beach kelp bed (see station locations map); however, this kelp bed has been historically transient and variable in terms of size and density. Thus, these three stations are only occasionally located within an area where kelp is actually found.

The seven kelp stations are sampled on a weekly basis during the month. Routine monitoring at each kelp site consists of collecting seawater samples at three discrete depths for bacteriological analyses (total coliforms, fecal coliforms, and *Enterococcus* bacteria) and generating water column profiles of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, and transmissivity. Visual observations of weather and water conditions are also recorded at all stations.

Seawater samples at the kelp bed stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column profiles of the various physical/chemical parameters were taken using a CTD. The CTD collected these physical/chemical data at a rate of eight scans per second. The data were then

internally averaged using the CTD proprietary software, Seasoft, to create water column profiles equivalent to one reading per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

Offshore Stations

Quarterly offshore water quality sampling is typically conducted over three days during February, May, August, and November for a total of 40 stations during each month (see station locations map). These offshore stations (I1–I40) are arranged in a grid surrounding the discharge site, and are generally located along the 9, 19, 28, 38, and 55-m depth contours. The seven offshore sites designated as kelp bed stations (described above) are included as part of the monthly offshore water quality sampling, however the data from these seven stations are reported within the kelp bed station section of the report with the other four days of kelp bed water quality sampling. Monitoring at all sites included measurements of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, and chromomorphic dissolved organic matter (CDOM). Visual observations of weather and water conditions were also recorded at all stations. Seawater samples for the analysis of indicator bacteria, suspended solids, and oil and grease concentrations were collected at 28 of the stations.

At these offshore stations, water samples for bacteriological, suspended solids, and oil and grease analyses were typically collected using a rosette sampler with Niskin bottles. Measurements of the physical/chemical parameters listed above were taken using a Sea-Bird CTD. Additionally, CTD profile data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and are 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 (Ocean Plan). The seven standards are defined as follows:

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

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

[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.

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.

Compliance with the seven Ocean Plan standards are summarized below for the stations located in USA waters. In contrast, no such compliance summaries are presented for the three shore stations located in Mexican waters south of the International Border (i.e., S0, S2, and S3) since this region is not subject to the Ocean Plan standards.

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

SUMMARY OF RESULTS

- **Shoreline Water Quality Sampling**
  - Because of site access restrictions in Mexico, the South Bay shoreline sampling is carried out on the same day each week (i.e., Tuesday) in order to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the IBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
  - During November, three of the eight shore stations located north of the border were out of compliance with various California Ocean Plan (Ocean Plan) water contact standards (see below); these standards do not apply to stations located in Mexican waters.
    - The 30-day geometric mean standard for *Enterococcus* was exceeded at station S5 on multiple days during the month.
    - The single sample maximum (SSM) standards for total coliforms, fecal coliforms, and the SSM standard that states total coliform densities shall not

exceed 1000 CFU/100 mL when the fecal:total ratio exceeds 0.1, were exceeded at stations S5 and S10 on one or more days during the month.
    - The SSM standard for *Enterococcus* was exceeded at stations S4, S5, and S10 on one or more days during the month.
    - Per permit requirements, resamples were collected in response to these SSM exceedances (see Table 2.8 for details).
- Although the Ocean Plan standards do not apply to these stations, bacteria densities exceeded one or more benchmark levels (i.e., total coliforms >10,000 CFU/100mL; fecal coliforms >400 CFU/100 mL; *Enterococcus* >104 CFU/100 mL; total >1000 CFU/100 mL & F:T ratio >0.1) in the seawater samples collected at stations S0 and S3 on multiple days during the month.
- Historical analyses of Ocean Plan compliance rates for the South Bay outfall shoreline monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. See the City of San Diego's most recent *South Bay Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml).
- Notable visual observations for November included: water flowing from a storm drain at station S0 and a sewage-like odor at stations S4 and S5. These observations were made on one or more days during the month.

➢ **Kelp Bed Water Quality Sampling**

- The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled five times over six days during November (i.e. November 1, 3, 10, 16, 20, 29).
- During November, each of the seven stations was in compliance with various California Ocean Plan (Ocean Plan) water contact standards.
- Water column temperatures ranged from 14.18 to 17.73°C. The difference between surface and bottom waters ranged from approximately 0.17 to 2.78°C, indicating the water column was stratified at some of these sites during the month.
- Chlorophyll *a* concentrations ranged from 0.69 to 14.65 µg/L at these stations, suggesting the presence of phytoplankton blooms during the month.
- Suspended solid values ranged from 0.2 to 10.0 mg/L in November. Elevated levels of suspended solids (i.e., values ≥ 8 mg/L) occurred in seawater samples collected at stations I19 (11 m depth) and I40 (9 m depth).
- Oil and grease values were < 0.2 mg/L in all kelp bed seawater samples.
- Nothing of sewage origin was observed at any of the kelp bed stations.

➢ **Offshore Water Quality Sampling**

- Quarterly offshore water quality sampling was conducted over three days during the month (i.e., November 1, 2, 3).
- Each of the offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) was in compliance with the relevant Ocean Plan single sample maximum standards.

- Although the Ocean Plan standards do not apply to stations outside State jurisdictional waters, bacteria densities for these stations did not exceed benchmark levels (i.e., total coliforms >10,000 CFU/100mL; fecal coliforms >400 CFU/100 mL; *Enterococcus* >104 CFU/100 mL; total >1000 CFU/100 mL & F:T ratio >0.1).
- Water column temperatures ranged from 11.76 to 17.97°C at the offshore sites. The difference between surface and bottom waters ranged from 0.95 to 6.14°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.42 to 8.08 µg/L at the offshore sites, suggesting the presence of phytoplankton blooms during the month.
- CDOM data are available upon request.
- Suspended solid values ranged from 0.2 to 5.5 mg/L in November.
- Oil and grease values were < 0.2 mg/L in all offshore seawater samples.
- Nothing of sewage origin was observed at any of the offshore stations.

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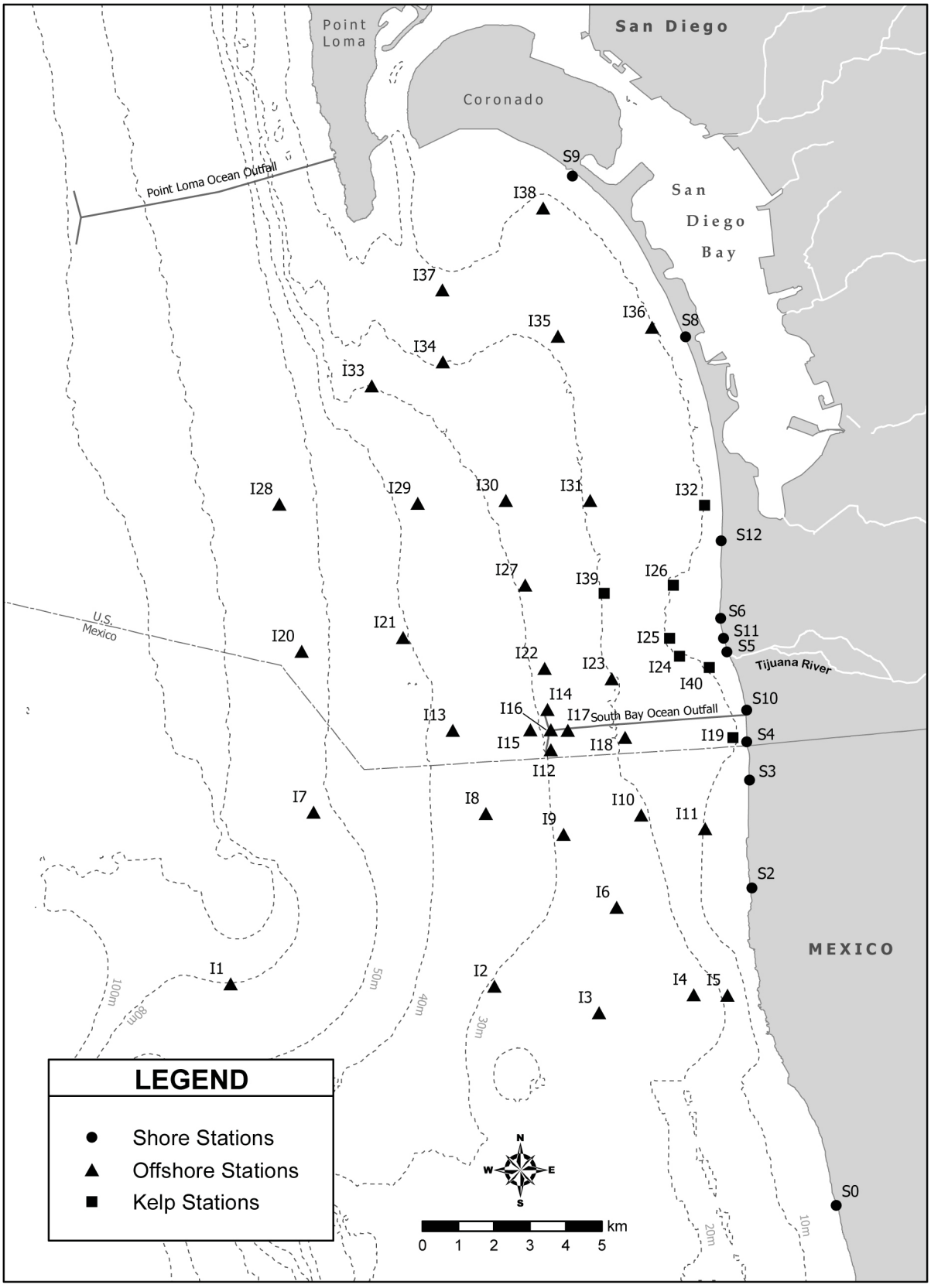

Figure 1.1 Station Map

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Shore Stations

Table 2.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	11	11	10	6	9	6	13	26
02 Nov 2016	11	11	10	6	9	6	13	26
03 Nov 2016	10*	9*	15*	6*	8*	8*	11*	16*
04 Nov 2016	10*	9*	15*	6*	8*	8*	11*	16*
05 Nov 2016	10*	9*	15*	6*	8*	8*	11*	16*
06 Nov 2016	10*	9*	15*	6*	8*	8*	11*	16*
07 Nov 2016	10*	9*	15*	6*	8*	8*	11*	16*
08 Nov 2016	7	11	16	5	7	9	13	17
09 Nov 2016	7	11	16	5	7	9	13	17
10 Nov 2016	6*	13*	15*	6*	5*	11*	11*	16*
11 Nov 2016	6*	13*	15*	6*	5*	11*	11*	16*
12 Nov 2016	6*	13*	15*	6*	5*	11*	11*	16*
13 Nov 2016	6*	13*	15*	6*	5*	11*	11*	16*
14 Nov 2016	6*	13*	15*	6*	5*	11*	11*	16*
15 Nov 2016	5	9	10	8	7	8	8	17
16 Nov 2016	5	9	10	8	7	8	8	17
17 Nov 2016	3*	8*	6*	6*	5*	6*	6*	16*
18 Nov 2016	3*	8*	6*	6*	5*	6*	6*	16*
19 Nov 2016	3*	8*	6*	6*	5*	6*	6*	16*
20 Nov 2016	3*	8*	6*	6*	5*	6*	6*	16*
21 Nov 2016	3*	8*	6*	6*	5*	6*	6*	16*
22 Nov 2016	15	35	8	8	7	29	8	17
23 Nov 2016	15	97	8	8	7	52	8	17
24 Nov 2016	16*	183	11*	11*	9*	66	11*	24*
25 Nov 2016	16*	331	11*	11*	9*	66	11*	24*
26 Nov 2016	16*	331	11*	11*	9*	66	11*	24*
27 Nov 2016	16*	331	11*	11*	9*	66	11*	24*
28 Nov 2016	16*	331	11*	11*	9*	66	11*	24*
29 Nov 2016	29	298	14	13	11	107	13	23
30 Nov 2016	29	298	14	13	11	107	13	23

* 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 SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	2	2	2	3	2	3	3	3
02 Nov 2016	2	2	2	3	2	3	3	3
03 Nov 2016	3*	3*	3*	3*	2*	3*	4*	3*
04 Nov 2016	3*	3*	3*	3*	2*	3*	4*	3*
05 Nov 2016	3*	3*	3*	3*	2*	3*	4*	3*
06 Nov 2016	3*	3*	3*	3*	2*	3*	4*	3*
07 Nov 2016	3*	3*	3*	3*	2*	3*	4*	3*
08 Nov 2016	2	2	2	3	2	3	3	3
09 Nov 2016	2	2	2	3	2	3	3	3
10 Nov 2016	3*	3*	2*	3*	2*	3*	4*	3*
11 Nov 2016	3*	3*	2*	3*	2*	3*	4*	3*
12 Nov 2016	3*	3*	2*	3*	2*	3*	4*	3*
13 Nov 2016	3*	3*	2*	3*	2*	3*	4*	3*
14 Nov 2016	3*	3*	2*	3*	2*	3*	4*	3*
15 Nov 2016	2	2	2	3	2	3	3	3
16 Nov 2016	2	2	2	3	2	3	3	3
17 Nov 2016	2*	3*	2*	2*	2*	2*	3*	3*
18 Nov 2016	2*	3*	2*	2*	2*	2*	3*	3*
19 Nov 2016	2*	3*	2*	2*	2*	2*	3*	3*
20 Nov 2016	2*	3*	2*	2*	2*	2*	3*	3*
21 Nov 2016	2*	3*	2*	2*	2*	2*	3*	3*
22 Nov 2016	6	14	2	2	2	11	3	3
23 Nov 2016	6	44	2	2	2	17	3	3
24 Nov 2016	8*	81	2*	2*	2*	27	3*	3*
25 Nov 2016	8*	101	2*	2*	2*	27	3*	3*
26 Nov 2016	8*	101	2*	2*	2*	27	3*	3*
27 Nov 2016	8*	101	2*	2*	2*	27	3*	3*
28 Nov 2016	8*	101	2*	2*	2*	27	3*	3*
29 Nov 2016	7	82	2	2	2	28	3	3
30 Nov 2016	7	82	2	2	2	28	3	3

* 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 SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	4	2	4	2	3	4	2	4
02 Nov 2016	4	2	4	2	3	4	2	4
03 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
04 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
05 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
06 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
07 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
08 Nov 2016	4	2	4	2	3	4	2	4
09 Nov 2016	4	2	4	2	3	4	2	4
10 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
11 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
12 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
13 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
14 Nov 2016	4*	2*	5*	3*	3*	5*	2*	4*
15 Nov 2016	5	2	4	2	3	4	2	5
16 Nov 2016	5	2	4	2	3	4	2	5
17 Nov 2016	5*	2*	2*	2*	3*	3*	2*	6*
18 Nov 2016	5*	2*	2*	2*	3*	3*	2*	6*
19 Nov 2016	5*	2*	2*	2*	3*	3*	2*	6*
20 Nov 2016	5*	2*	2*	2*	3*	3*	2*	6*
21 Nov 2016	5*	2*	2*	2*	3*	3*	2*	6*
22 Nov 2016	12	11	2	2	4	11	2	5
23 Nov 2016	13	33	2	2	4	11	2	5
24 Nov 2016	14	58	2*	2*	4*	13	2*	4*
25 Nov 2016	14	59	2*	2*	4*	13	2*	4*
26 Nov 2016	14	59	2*	2*	4*	13	2*	4*
27 Nov 2016	14	59	2*	2*	4*	13	2*	4*
28 Nov 2016	14	59	2*	2*	4*	13	2*	4*
29 Nov 2016	10	43	2	3	4	12	3	5
30 Nov 2016	10	43	2	3	4	12	3	5

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2016	IC	E	IC	IC	IC	E	IC	IC
23 Nov 2016	ns	E	ns	ns	ns	IC	ns	ns
25 Nov 2016	ns	IC	ns	ns	ns	ns	ns	ns
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 2.5

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2016	IC	E	IC	IC	IC	E	IC	IC
23 Nov 2016	ns	E	ns	ns	ns	IC	ns	ns
25 Nov 2016	ns	IC	ns	ns	ns	ns	ns	ns
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 2.6

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2016	E	E	IC	IC	IC	E	IC	IC
23 Nov 2016	IC	E	ns	ns	ns	IC	ns	ns
25 Nov 2016	ns	IC	ns	ns	ns	ns	ns	ns
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 2.7

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
08 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
15 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC
22 Nov 2016	IC	E	IC	IC	IC	E	IC	IC
23 Nov 2016	ns	E	ns	ns	ns	IC	ns	ns
25 Nov 2016	ns	IC	ns	ns	ns	ns	ns	ns
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 2.8

Summary of water quality parameters at the SBOO 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
S0	01 Nov 2016	1125	200e	100e	190e	0.50
S0	08 Nov 2016	1020	<20	<2	<2	0.10
S0	15 Nov 2016	1030	2800e	120e	240e	0.04
S0	22 Nov 2016	1145	1600e	<20	130e	0.01
S0	29 Nov 2016	1130	1800e	60e	120e	0.03
S2	01 Nov 2016	1025	60e	4e	22e	0.07
S2	08 Nov 2016	1230	<20	<2	<2	0.10
S2	15 Nov 2016	930	<20	8e	82	0.40
S2	22 Nov 2016	1040	3200e	80e	48	0.02
S2	29 Nov 2016	1035	60e	4e	10e	0.07
S3	01 Nov 2016	940	<20	2e	28e	0.10
S3	08 Nov 2016	1215	1500	110	140e	0.07
S3	15 Nov 2016	1000	20e	8e	70	0.40
S3	22 Nov 2016	955	5200	240e	200e	0.05
S3	29 Nov 2016	950	6e	2e	8e	0.33
S4	01 Nov 2016	1311	<2	2e	<2	1.00
S4	08 Nov 2016	1300	<2	<2	<2	1.00
S4	15 Nov 2016	1331	2e	<2	12e	1.00
S4	22 Nov 2016	851	9200	400	380e	0.04
S4	23 Nov 2016	907	ns	ns	26e	ns
S4	29 Nov 2016	1306	260e	6e	<2	0.02
S5	01 Nov 2016	1048	20e	6e	<2	0.30
S5	08 Nov 2016	1042	20e	<2	<2	0.10
S5	15 Nov 2016	1052	<2	<2	<2	1.00
S5	22 Nov 2016	1015	>16000	>12000	>12000	0.75
S5	23 Nov 2016	1000	>16000	>12000	6600	0.75
S5	25 Nov 2016	939	6400	300e	70	0.05
S5	29 Nov 2016	1058	160e	24e	6e	0.15
S6	01 Nov 2016	1033	<20	2e	<2	0.10
S6	08 Nov 2016	1028	<20	2e	<2	0.10
S6	15 Nov 2016	1040	2e	<2	<2	1.00
S6	22 Nov 2016	1002	20e	2e	2e	0.10
S6	29 Nov 2016	1044	40e	<2	2e	0.05
S8	01 Nov 2016	943	<20	2e	<2	0.10
S8	08 Nov 2016	943	<2	<2	<2	1.00
S8	15 Nov 2016	954	<20	<2	<2	0.10
S8	22 Nov 2016	1212	<20	<2	<2	0.10
S8	29 Nov 2016	1000	20e	<2	22e	0.10
S9	01 Nov 2016	922	4e	<2	2e	0.50
S9	08 Nov 2016	915	4e	2e	<2	0.50
S9	15 Nov 2016	933	<20	<2	6e	0.10
S9	22 Nov 2016	1307	20e	<2	12e	0.10

Station	Date	Time	Total	Fecal	Entero	F:T
S9	29 Nov 2016	933	<20	2e	<2	0.10
S10	01 Nov 2016	1239	<2	4e	<2	2.00
S10	08 Nov 2016	1223	<20	<2	<2	0.10
S10	15 Nov 2016	1253	<2	<2	<2	1.00
S10	22 Nov 2016	846	>16000	4600	3000e	0.29
S10	23 Nov 2016	911	1000e	180e	14e	0.18
S10	29 Nov 2016	1239	1200e	36e	8e	0.03
S11	01 Nov 2016	1039	<20	8e	4e	0.40
S11	08 Nov 2016	1035	20e	<2	<2	0.10
S11	15 Nov 2016	1046	<2	<2	<2	1.00
S11	22 Nov 2016	1008	<20	2e	<2	0.10
S11	29 Nov 2016	1049	<20	2e	6e	0.10
S12	01 Nov 2016	1020	40e	12e	6e	0.30
S12	08 Nov 2016	1015	<20	<2	<2	0.10
S12	15 Nov 2016	1029	<20	2e	8e	0.10
S12	22 Nov 2016	943	<20	<2	<2	0.10
S12	29 Nov 2016	1027	<20	<2	12e	0.10

ns = not sampled
ND = no data

Table 2.9

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

Station	Date	Parameter	Value
S0	01 Nov 2016	Arrive Time	1125
S0	01 Nov 2016	Weather	Sunny
S0	01 Nov 2016	Wind Speed (kts)	0.7
S0	01 Nov 2016	Wind Dir	NE
S0	01 Nov 2016	Animal Life	5 Dogs; 5 Pelicans; 5 Seagulls
S0	01 Nov 2016	Floatables	None
S0	01 Nov 2016	Water Color	Green
S0	01 Nov 2016	Current Direction	S
S0	01 Nov 2016	Water Temp (C)	16
S0	01 Nov 2016	Wave Height Low (ft)	3
S0	01 Nov 2016	High Tide (ft)	5.6
S0	01 Nov 2016	High Tide Time	1001
S0	01 Nov 2016	Low Tide (ft)	0.1
S0	01 Nov 2016	Low Tide Time	1702
S0	01 Nov 2016	Comments	Kelp; Seagrass; Algae; 15 Persons; Water turbid; Flow from storm drain approx 0.5L/sec
S0	08 Nov 2016	Arrive Time	1020
S0	08 Nov 2016	Weather	Sunny
S0	08 Nov 2016	Wind Speed (kts)	3.5
S0	08 Nov 2016	Wind Dir	NE
S0	08 Nov 2016	Animal Life	15 Seagulls
S0	08 Nov 2016	Floatables	None
S0	08 Nov 2016	Water Color	Green
S0	08 Nov 2016	Current Direction	S
S0	08 Nov 2016	Water Temp (C)	17
S0	08 Nov 2016	Wave Height Low (ft)	3.5
S0	08 Nov 2016	High Tide (ft)	4.1
S0	08 Nov 2016	High Tide Time	1531
S0	08 Nov 2016	Low Tide (ft)	2.6
S0	08 Nov 2016	Low Tide Time	1006
S0	08 Nov 2016	Comments	Kelp; Algae; Water clear; Flow from storm drain approx .5 L/sec
S0	15 Nov 2016	Arrive Time	1030
S0	15 Nov 2016	Weather	Cloudy
S0	15 Nov 2016	Wind Speed (kts)	2.7
S0	15 Nov 2016	Wind Dir	NE
S0	15 Nov 2016	Animal Life	20 Shorebirds
S0	15 Nov 2016	Floatables	None
S0	15 Nov 2016	Water Color	Green
S0	15 Nov 2016	Current Direction	S
S0	15 Nov 2016	Water Temp (C)	17
S0	15 Nov 2016	Wave Height Low (ft)	2
S0	15 Nov 2016	High Tide (ft)	6.9
S0	15 Nov 2016	High Tide Time	843
S0	15 Nov 2016	Low Tide (ft)	-1.3
S0	15 Nov 2016	Low Tide Time	1546
S0	15 Nov 2016	Comments	Kelp; Seagrass; Algae; Water clear; Flow from storm drain approx 0.2 L/sec; Trash
S0	22 Nov 2016	Arrive Time	1145

Station	Date	Parameter	Value
S0	22 Nov 2016	Weather	Sunny
S0	22 Nov 2016	Wind Speed (kts)	7.8
S0	22 Nov 2016	Wind Dir	NE
S0	22 Nov 2016	Animal Life	5 Dogs; 5 Seagulls
S0	22 Nov 2016	Floatables	None
S0	22 Nov 2016	Water Color	Green
S0	22 Nov 2016	Current Direction	N
S0	22 Nov 2016	Water Temp (C)	16
S0	22 Nov 2016	Wave Height Low (ft)	3
S0	22 Nov 2016	High Tide (ft)	3.9
S0	22 Nov 2016	High Tide Time	1616
S0	22 Nov 2016	Low Tide (ft)	1.9
S0	22 Nov 2016	Low Tide Time	1055
S0	22 Nov 2016	Comments	Kelp; Algae; 2 Persons; 2 Surfers; Water turbid; From storm drain approx 1L/sec
S0	29 Nov 2016	Arrive Time	1130
S0	29 Nov 2016	Weather	Sunny
S0	29 Nov 2016	Wind Speed (kts)	1.4
S0	29 Nov 2016	Wind Dir	NE
S0	29 Nov 2016	Animal Life	5 Shorebirds; 5 Dogs
S0	29 Nov 2016	Floatables	None
S0	29 Nov 2016	Water Color	Green
S0	29 Nov 2016	Current Direction	S
S0	29 Nov 2016	Water Temp (C)	15
S0	29 Nov 2016	Wave Height Low (ft)	2.5
S0	29 Nov 2016	High Tide (ft)	5.8
S0	29 Nov 2016	High Tide Time	809
S0	29 Nov 2016	Low Tide (ft)	-0.3
S0	29 Nov 2016	Low Tide Time	1515
S0	29 Nov 2016	Comments	Kelp; Algae; Water clear; Flow from storm drain approx 1.0L/sec
S2	01 Nov 2016	Arrive Time	1025
S2	01 Nov 2016	Weather	Sunny
S2	01 Nov 2016	Wind Speed (kts)	0.6
S2	01 Nov 2016	Wind Dir	NE
S2	01 Nov 2016	Animal Life	15 Shorebirds
S2	01 Nov 2016	Floatables	None
S2	01 Nov 2016	Water Color	Green
S2	01 Nov 2016	Current Direction	S
S2	01 Nov 2016	Water Temp (C)	16
S2	01 Nov 2016	Wave Height Low (ft)	3
S2	01 Nov 2016	High Tide (ft)	5.6
S2	01 Nov 2016	High Tide Time	1001
S2	01 Nov 2016	Low Tide (ft)	1.7
S2	01 Nov 2016	Low Tide Time	356
S2	01 Nov 2016	Comments	Kelp; Seagrass; Algae; Water turbid; No flow from storm drain
S2	08 Nov 2016	Arrive Time	1230
S2	08 Nov 2016	Weather	Sunny
S2	08 Nov 2016	Wind Speed (kts)	1.8
S2	08 Nov 2016	Wind Dir	NE
S2	08 Nov 2016	Animal Life	20 Dolphins; 5 Seagulls
S2	08 Nov 2016	Floatables	None
S2	08 Nov 2016	Water Color	Green

Station	Date	Parameter	Value
S2	08 Nov 2016	Current Direction	S
S2	08 Nov 2016	Water Temp (C)	17
S2	08 Nov 2016	Wave Height Low (ft)	3
S2	08 Nov 2016	High Tide (ft)	4.1
S2	08 Nov 2016	High Tide Time	1531
S2	08 Nov 2016	Low Tide (ft)	2.6
S2	08 Nov 2016	Low Tide Time	1006
S2	08 Nov 2016	Comments	Kelp; Algae; Water clear; No flow from storm drain
S2	15 Nov 2016	Arrive Time	930
S2	15 Nov 2016	Weather	Cloudy
S2	15 Nov 2016	Wind Speed (kts)	3.7
S2	15 Nov 2016	Wind Dir	NE
S2	15 Nov 2016	Animal Life	20 Seagulls
S2	15 Nov 2016	Floatables	None
S2	15 Nov 2016	Water Color	Green
S2	15 Nov 2016	Current Direction	S
S2	15 Nov 2016	Water Temp (C)	17
S2	15 Nov 2016	Wave Height Low (ft)	4
S2	15 Nov 2016	High Tide (ft)	6.9
S2	15 Nov 2016	High Tide Time	843
S2	15 Nov 2016	Low Tide (ft)	-1.3
S2	15 Nov 2016	Low Tide Time	1546
S2	15 Nov 2016	Comments	Kelp; Algae; Water clear; No flow from storm drain
S2	22 Nov 2016	Arrive Time	1040
S2	22 Nov 2016	Weather	Sunny
S2	22 Nov 2016	Wind Speed (kts)	6.8
S2	22 Nov 2016	Wind Dir	NE
S2	22 Nov 2016	Animal Life	15 Shorebirds
S2	22 Nov 2016	Floatables	None
S2	22 Nov 2016	Water Color	Green
S2	22 Nov 2016	Current Direction	N
S2	22 Nov 2016	Water Temp (C)	16
S2	22 Nov 2016	Wave Height Low (ft)	3
S2	22 Nov 2016	High Tide (ft)	3.9
S2	22 Nov 2016	High Tide Time	1616
S2	22 Nov 2016	Low Tide (ft)	1.9
S2	22 Nov 2016	Low Tide Time	1055
S2	22 Nov 2016	Comments	Kelp; Seagrass; Algae; Water turbid; No flow from storm drain
S2	29 Nov 2016	Arrive Time	1035
S2	29 Nov 2016	Weather	Sunny
S2	29 Nov 2016	Wind Speed (kts)	13.6
S2	29 Nov 2016	Wind Dir	NE
S2	29 Nov 2016	Animal Life	5 Shorebirds
S2	29 Nov 2016	Floatables	None
S2	29 Nov 2016	Water Color	Green
S2	29 Nov 2016	Current Direction	S
S2	29 Nov 2016	Water Temp (C)	15
S2	29 Nov 2016	Wave Height Low (ft)	3.5
S2	29 Nov 2016	High Tide (ft)	5.8
S2	29 Nov 2016	High Tide Time	809
S2	29 Nov 2016	Low Tide (ft)	-0.3
S2	29 Nov 2016	Low Tide Time	1515

Station	Date	Parameter	Value
S2	29 Nov 2016	Comments	Kelp; Algae; Water clear; No flow from storm drain
S3	01 Nov 2016	Arrive Time	940
S3	01 Nov 2016	Weather	Sunny
S3	01 Nov 2016	Wind Speed (kts)	0.8
S3	01 Nov 2016	Wind Dir	NE
S3	01 Nov 2016	Animal Life	5 Dogs; 5 Seagulls
S3	01 Nov 2016	Floatables	None
S3	01 Nov 2016	Water Color	Green
S3	01 Nov 2016	Current Direction	S
S3	01 Nov 2016	Water Temp (C)	16
S3	01 Nov 2016	Wave Height Low (ft)	3
S3	01 Nov 2016	High Tide (ft)	5.6
S3	01 Nov 2016	High Tide Time	1001
S3	01 Nov 2016	Low Tide (ft)	1.7
S3	01 Nov 2016	Low Tide Time	356
S3	01 Nov 2016	Comments	Kelp; Seagrass; Algae; 3 Persons; Water turbid; No flow from storm drain
S3	08 Nov 2016	Arrive Time	1215
S3	08 Nov 2016	Weather	Sunny
S3	08 Nov 2016	Wind Speed (kts)	0.1
S3	08 Nov 2016	Wind Dir	NE
S3	08 Nov 2016	Animal Life	5 Dogs
S3	08 Nov 2016	Floatables	None
S3	08 Nov 2016	Water Color	Green
S3	08 Nov 2016	Current Direction	S
S3	08 Nov 2016	Water Temp (C)	17
S3	08 Nov 2016	Wave Height Low (ft)	2
S3	08 Nov 2016	High Tide (ft)	4.1
S3	08 Nov 2016	High Tide Time	1531
S3	08 Nov 2016	Low Tide (ft)	2.6
S3	08 Nov 2016	Low Tide Time	1006
S3	08 Nov 2016	Comments	5 Persons; Water clear; No flow from storm drain
S3	15 Nov 2016	Arrive Time	1000
S3	15 Nov 2016	Weather	Cloudy
S3	15 Nov 2016	Wind Speed (kts)	1.7
S3	15 Nov 2016	Wind Dir	NE
S3	15 Nov 2016	Animal Life	10 Seagulls
S3	15 Nov 2016	Floatables	None
S3	15 Nov 2016	Water Color	Green
S3	15 Nov 2016	Current Direction	S
S3	15 Nov 2016	Water Temp (C)	17
S3	15 Nov 2016	Wave Height Low (ft)	3
S3	15 Nov 2016	High Tide (ft)	6.9
S3	15 Nov 2016	High Tide Time	843
S3	15 Nov 2016	Low Tide (ft)	-1.3
S3	15 Nov 2016	Low Tide Time	1546
S3	15 Nov 2016	Comments	Kelp; Algae; 5 Persons; Water clear; No flow from storm drain; Trash
S3	22 Nov 2016	Arrive Time	955
S3	22 Nov 2016	Weather	Sunny
S3	22 Nov 2016	Wind Speed (kts)	6.8

Station	Date	Parameter	Value
S3	22 Nov 2016	Wind Dir	NE
S3	22 Nov 2016	Animal Life	15 Shorebirds; 5 Dogs
S3	22 Nov 2016	Floatables	None
S3	22 Nov 2016	Water Color	Green
S3	22 Nov 2016	Current Direction	N
S3	22 Nov 2016	Water Temp (C)	16
S3	22 Nov 2016	Wave Height Low (ft)	3
S3	22 Nov 2016	High Tide (ft)	4.6
S3	22 Nov 2016	High Tide Time	443
S3	22 Nov 2016	Low Tide (ft)	1.9
S3	22 Nov 2016	Low Tide Time	1055
S3	22 Nov 2016	Comments	Kelp; Seagrass; Algae; 5 Persons; Water turbid; No flow from storm drain
S3	29 Nov 2016	Arrive Time	950
S3	29 Nov 2016	Weather	Sunny
S3	29 Nov 2016	Wind Speed (kts)	6.2
S3	29 Nov 2016	Wind Dir	NE
S3	29 Nov 2016	Animal Life	None
S3	29 Nov 2016	Floatables	None
S3	29 Nov 2016	Water Color	Green
S3	29 Nov 2016	Current Direction	S
S3	29 Nov 2016	Water Temp (C)	15
S3	29 Nov 2016	Wave Height Low (ft)	3
S3	29 Nov 2016	High Tide (ft)	5.8
S3	29 Nov 2016	High Tide Time	809
S3	29 Nov 2016	Low Tide (ft)	-0.3
S3	29 Nov 2016	Low Tide Time	1515
S3	29 Nov 2016	Comments	Kelp; Algae; Water clear
S4	01 Nov 2016	Arrive Time	1311
S4	01 Nov 2016	Weather	Sunny
S4	01 Nov 2016	Wind Speed (kts)	3.6
S4	01 Nov 2016	Wind Dir	W
S4	01 Nov 2016	Animal Life	None
S4	01 Nov 2016	Floatables	None
S4	01 Nov 2016	Water Color	Green
S4	01 Nov 2016	Current Direction	N
S4	01 Nov 2016	Water Temp (C)	18.2
S4	01 Nov 2016	Wave Height Low (ft)	3
S4	01 Nov 2016	High Tide (ft)	5.6
S4	01 Nov 2016	High Tide Time	1001
S4	01 Nov 2016	Low Tide (ft)	0.1
S4	01 Nov 2016	Low Tide Time	1702
S4	01 Nov 2016	Comments	Water clear
S4	08 Nov 2016	Arrive Time	1300
S4	08 Nov 2016	Weather	Sunny
S4	08 Nov 2016	Wind Speed (kts)	1.1
S4	08 Nov 2016	Wind Dir	W
S4	08 Nov 2016	Animal Life	None
S4	08 Nov 2016	Floatables	None
S4	08 Nov 2016	Water Color	Green
S4	08 Nov 2016	Current Direction	N
S4	08 Nov 2016	Water Temp (C)	18.2

Station	Date	Parameter	Value
S4	08 Nov 2016	Wave Height Low (ft)	2
S4	08 Nov 2016	High Tide (ft)	4.1
S4	08 Nov 2016	High Tide Time	1531
S4	08 Nov 2016	Low Tide (ft)	2.6
S4	08 Nov 2016	Low Tide Time	1006
S4	08 Nov 2016	Comments	Water clear
S4	15 Nov 2016	Arrive Time	1331
S4	15 Nov 2016	Weather	Overcast
S4	15 Nov 2016	Wind Speed (kts)	3.1
S4	15 Nov 2016	Wind Dir	W
S4	15 Nov 2016	Animal Life	None
S4	15 Nov 2016	Floatables	None
S4	15 Nov 2016	Water Color	Green
S4	15 Nov 2016	Current Direction	N
S4	15 Nov 2016	Water Temp (C)	18.4
S4	15 Nov 2016	Wave Height Low (ft)	4
S4	15 Nov 2016	High Tide (ft)	6.9
S4	15 Nov 2016	High Tide Time	843
S4	15 Nov 2016	Low Tide (ft)	-1.3
S4	15 Nov 2016	Low Tide Time	1546
S4	15 Nov 2016	Comments	Water clear
S4	22 Nov 2016	Arrive Time	851
S4	22 Nov 2016	Weather	Sunny
S4	22 Nov 2016	Wind Speed (kts)	2.9
S4	22 Nov 2016	Wind Dir	E
S4	22 Nov 2016	Animal Life	None
S4	22 Nov 2016	Floatables	None
S4	22 Nov 2016	Water Color	Green
S4	22 Nov 2016	Current Direction	N
S4	22 Nov 2016	Water Temp (C)	16.5
S4	22 Nov 2016	Wave Height Low (ft)	2
S4	22 Nov 2016	High Tide (ft)	4.6
S4	22 Nov 2016	High Tide Time	443
S4	22 Nov 2016	Low Tide (ft)	1.9
S4	22 Nov 2016	Low Tide Time	1055
S4	22 Nov 2016	Comments	Kelp; Seagrass; Water clear
S4	23 Nov 2016	Arrive Time	907
S4	23 Nov 2016	Weather	Sunny
S4	23 Nov 2016	Wind Speed (kts)	1.7
S4	23 Nov 2016	Wind Dir	W
S4	23 Nov 2016	Animal Life	None
S4	23 Nov 2016	Floatables	None
S4	23 Nov 2016	Water Color	Green
S4	23 Nov 2016	Current Direction	N
S4	23 Nov 2016	Water Temp (C)	16.4
S4	23 Nov 2016	Wave Height Low (ft)	3
S4	23 Nov 2016	High Tide (ft)	4.9
S4	23 Nov 2016	High Tide Time	522
S4	23 Nov 2016	Low Tide (ft)	1.4
S4	23 Nov 2016	Low Tide Time	1151
S4	23 Nov 2016	Comments	Kelp; Seagrass; Water clear

Station	Date	Parameter	Value
S4	29 Nov 2016	Arrive Time	1306
S4	29 Nov 2016	Weather	Sunny
S4	29 Nov 2016	Wind Speed (kts)	7.5
S4	29 Nov 2016	Wind Dir	N
S4	29 Nov 2016	Animal Life	None
S4	29 Nov 2016	Floatables	None
S4	29 Nov 2016	Water Color	Green
S4	29 Nov 2016	Current Direction	N
S4	29 Nov 2016	Water Temp (C)	16
S4	29 Nov 2016	Wave Height Low (ft)	2
S4	29 Nov 2016	High Tide (ft)	5.8
S4	29 Nov 2016	High Tide Time	809
S4	29 Nov 2016	Low Tide (ft)	-0.3
S4	29 Nov 2016	Low Tide Time	1515
S4	29 Nov 2016	Comments	Sewage-like odor; Water clear
S5	01 Nov 2016	Arrive Time	1048
S5	01 Nov 2016	Weather	Partly Cloudy
S5	01 Nov 2016	Wind Speed (kts)	3.8
S5	01 Nov 2016	Wind Dir	W
S5	01 Nov 2016	Animal Life	None
S5	01 Nov 2016	Floatables	None
S5	01 Nov 2016	Water Color	Green
S5	01 Nov 2016	Current Direction	N
S5	01 Nov 2016	Water Temp (C)	15.6
S5	01 Nov 2016	Wave Height Low (ft)	4
S5	01 Nov 2016	High Tide (ft)	5.6
S5	01 Nov 2016	High Tide Time	1001
S5	01 Nov 2016	Low Tide (ft)	0.1
S5	01 Nov 2016	Low Tide Time	1702
S5	01 Nov 2016	Comments	Water clear
S5	08 Nov 2016	Arrive Time	1042
S5	08 Nov 2016	Weather	Sunny
S5	08 Nov 2016	Wind Speed (kts)	4.8
S5	08 Nov 2016	Wind Dir	NW
S5	08 Nov 2016	Animal Life	None
S5	08 Nov 2016	Floatables	None
S5	08 Nov 2016	Water Color	Green
S5	08 Nov 2016	Current Direction	N
S5	08 Nov 2016	Water Temp (C)	16.2
S5	08 Nov 2016	Wave Height Low (ft)	2
S5	08 Nov 2016	High Tide (ft)	4.1
S5	08 Nov 2016	High Tide Time	1531
S5	08 Nov 2016	Low Tide (ft)	2.6
S5	08 Nov 2016	Low Tide Time	1006
S5	08 Nov 2016	Comments	Water clear
S5	15 Nov 2016	Arrive Time	1052
S5	15 Nov 2016	Weather	Partly Cloudy
S5	15 Nov 2016	Wind Speed (kts)	6
S5	15 Nov 2016	Wind Dir	W
S5	15 Nov 2016	Animal Life	None
S5	15 Nov 2016	Floatables	None
S5	15 Nov 2016	Water Color	Green

Station	Date	Parameter	Value
S5	15 Nov 2016	Current Direction	N
S5	15 Nov 2016	Water Temp (C)	17.2
S5	15 Nov 2016	Wave Height Low (ft)	4
S5	15 Nov 2016	High Tide (ft)	6.9
S5	15 Nov 2016	High Tide Time	843
S5	15 Nov 2016	Low Tide (ft)	-1.3
S5	15 Nov 2016	Low Tide Time	1546
S5	15 Nov 2016	Comments	Water clear
S5	22 Nov 2016	Arrive Time	1015
S5	22 Nov 2016	Weather	Sunny
S5	22 Nov 2016	Wind Speed (kts)	3.3
S5	22 Nov 2016	Wind Dir	NW
S5	22 Nov 2016	Animal Life	None
S5	22 Nov 2016	Floatables	None
S5	22 Nov 2016	Water Color	Brown
S5	22 Nov 2016	Current Direction	N
S5	22 Nov 2016	Water Temp (C)	17.2
S5	22 Nov 2016	Wave Height Low (ft)	2
S5	22 Nov 2016	High Tide (ft)	4.6
S5	22 Nov 2016	High Tide Time	443
S5	22 Nov 2016	Low Tide (ft)	1.9
S5	22 Nov 2016	Low Tide Time	1055
S5	22 Nov 2016	Comments	Seagrass; Sewage-like odor; Water turbid
S5	23 Nov 2016	Arrive Time	1000
S5	23 Nov 2016	Weather	Sunny
S5	23 Nov 2016	Wind Speed (kts)	1.5
S5	23 Nov 2016	Wind Dir	W
S5	23 Nov 2016	Animal Life	None
S5	23 Nov 2016	Floatables	None
S5	23 Nov 2016	Water Color	Green
S5	23 Nov 2016	Current Direction	N
S5	23 Nov 2016	Water Temp (C)	17
S5	23 Nov 2016	Wave Height Low (ft)	2
S5	23 Nov 2016	High Tide (ft)	4.9
S5	23 Nov 2016	High Tide Time	522
S5	23 Nov 2016	Low Tide (ft)	1.4
S5	23 Nov 2016	Low Tide Time	1151
S5	23 Nov 2016	Comments	Kelp; Seagrass; Water clear; Slight odor in area
S5	25 Nov 2016	Arrive Time	939
S5	25 Nov 2016	Weather	Sunny
S5	25 Nov 2016	Wind Speed (kts)	1.1
S5	25 Nov 2016	Wind Dir	W
S5	25 Nov 2016	Animal Life	None
S5	25 Nov 2016	Floatables	None
S5	25 Nov 2016	Water Color	Green
S5	25 Nov 2016	Current Direction	N
S5	25 Nov 2016	Water Temp (C)	16.8
S5	25 Nov 2016	Wave Height Low (ft)	3
S5	25 Nov 2016	High Tide (ft)	5.4
S5	25 Nov 2016	High Tide Time	623
S5	25 Nov 2016	Low Tide (ft)	0.5
S5	25 Nov 2016	Low Tide Time	1309

Station	Date	Parameter	Value
S5	25 Nov 2016	Comments	Kelp; Seagrass; Water clear
S5	29 Nov 2016	Arrive Time	1058
S5	29 Nov 2016	Weather	Sunny
S5	29 Nov 2016	Wind Speed (kts)	5.2
S5	29 Nov 2016	Wind Dir	N
S5	29 Nov 2016	Animal Life	None
S5	29 Nov 2016	Floatables	None
S5	29 Nov 2016	Water Color	Green
S5	29 Nov 2016	Current Direction	N
S5	29 Nov 2016	Water Temp (C)	16
S5	29 Nov 2016	Wave Height Low (ft)	3
S5	29 Nov 2016	High Tide (ft)	5.8
S5	29 Nov 2016	High Tide Time	809
S5	29 Nov 2016	Low Tide (ft)	-0.3
S5	29 Nov 2016	Low Tide Time	1515
S5	29 Nov 2016	Comments	Kelp; Seagrass; Water clear
S6	01 Nov 2016	Arrive Time	1033
S6	01 Nov 2016	Weather	Partly Cloudy
S6	01 Nov 2016	Wind Speed (kts)	3.4
S6	01 Nov 2016	Wind Dir	W
S6	01 Nov 2016	Animal Life	None
S6	01 Nov 2016	Floatables	None
S6	01 Nov 2016	Water Color	Green
S6	01 Nov 2016	Current Direction	N
S6	01 Nov 2016	Water Temp (C)	16
S6	01 Nov 2016	Wave Height Low (ft)	4
S6	01 Nov 2016	High Tide (ft)	5.6
S6	01 Nov 2016	High Tide Time	1001
S6	01 Nov 2016	Low Tide (ft)	1.7
S6	01 Nov 2016	Low Tide Time	356
S6	01 Nov 2016	Comments	Water clear
S6	08 Nov 2016	Arrive Time	1028
S6	08 Nov 2016	Weather	Sunny
S6	08 Nov 2016	Wind Speed (kts)	2
S6	08 Nov 2016	Wind Dir	NW
S6	08 Nov 2016	Animal Life	None
S6	08 Nov 2016	Floatables	None
S6	08 Nov 2016	Water Color	Green
S6	08 Nov 2016	Current Direction	N
S6	08 Nov 2016	Water Temp (C)	16.2
S6	08 Nov 2016	Wave Height Low (ft)	2
S6	08 Nov 2016	High Tide (ft)	4.1
S6	08 Nov 2016	High Tide Time	1531
S6	08 Nov 2016	Low Tide (ft)	2.6
S6	08 Nov 2016	Low Tide Time	1006
S6	08 Nov 2016	Comments	2 Persons; 5 Surfers; Water clear
S6	15 Nov 2016	Arrive Time	1040
S6	15 Nov 2016	Weather	Partly Cloudy
S6	15 Nov 2016	Wind Speed (kts)	6.4
S6	15 Nov 2016	Wind Dir	W
S6	15 Nov 2016	Animal Life	None

Station	Date	Parameter	Value
S6	15 Nov 2016	Floatables	None
S6	15 Nov 2016	Water Color	Green
S6	15 Nov 2016	Current Direction	N
S6	15 Nov 2016	Water Temp (C)	18
S6	15 Nov 2016	Wave Height Low (ft)	4
S6	15 Nov 2016	High Tide (ft)	6.9
S6	15 Nov 2016	High Tide Time	843
S6	15 Nov 2016	Low Tide (ft)	-1.3
S6	15 Nov 2016	Low Tide Time	1546
S6	15 Nov 2016	Comments	Water clear
S6	22 Nov 2016	Arrive Time	1002
S6	22 Nov 2016	Weather	Sunny
S6	22 Nov 2016	Wind Speed (kts)	1.9
S6	22 Nov 2016	Wind Dir	NW
S6	22 Nov 2016	Animal Life	None
S6	22 Nov 2016	Floatables	None
S6	22 Nov 2016	Water Color	Green
S6	22 Nov 2016	Current Direction	N
S6	22 Nov 2016	Water Temp (C)	19
S6	22 Nov 2016	Wave Height Low (ft)	2
S6	22 Nov 2016	High Tide (ft)	4.6
S6	22 Nov 2016	High Tide Time	443
S6	22 Nov 2016	Low Tide (ft)	1.9
S6	22 Nov 2016	Low Tide Time	1055
S6	22 Nov 2016	Comments	Water clear
S6	29 Nov 2016	Arrive Time	1044
S6	29 Nov 2016	Weather	Sunny
S6	29 Nov 2016	Wind Speed (kts)	2.5
S6	29 Nov 2016	Wind Dir	NW
S6	29 Nov 2016	Animal Life	None
S6	29 Nov 2016	Floatables	None
S6	29 Nov 2016	Water Color	Green
S6	29 Nov 2016	Current Direction	N
S6	29 Nov 2016	Water Temp (C)	16.2
S6	29 Nov 2016	Wave Height Low (ft)	3
S6	29 Nov 2016	High Tide (ft)	5.8
S6	29 Nov 2016	High Tide Time	809
S6	29 Nov 2016	Low Tide (ft)	-0.3
S6	29 Nov 2016	Low Tide Time	1515
S6	29 Nov 2016	Comments	Kelp; Water clear
S8	01 Nov 2016	Arrive Time	943
S8	01 Nov 2016	Weather	Partly Cloudy
S8	01 Nov 2016	Wind Speed (kts)	2.5
S8	01 Nov 2016	Wind Dir	W
S8	01 Nov 2016	Animal Life	None
S8	01 Nov 2016	Floatables	None
S8	01 Nov 2016	Water Color	Green
S8	01 Nov 2016	Current Direction	N
S8	01 Nov 2016	Water Temp (C)	15.6
S8	01 Nov 2016	Wave Height Low (ft)	3
S8	01 Nov 2016	High Tide (ft)	5.6
S8	01 Nov 2016	High Tide Time	1001

Station	Date	Parameter	Value
S8	01 Nov 2016	Low Tide (ft)	1.7
S8	01 Nov 2016	Low Tide Time	356
S8	01 Nov 2016	Comments	Water clear
S8	08 Nov 2016	Arrive Time	943
S8	08 Nov 2016	Weather	Sunny
S8	08 Nov 2016	Wind Speed (kts)	1.7
S8	08 Nov 2016	Wind Dir	N
S8	08 Nov 2016	Animal Life	None
S8	08 Nov 2016	Floatables	None
S8	08 Nov 2016	Water Color	Green
S8	08 Nov 2016	Current Direction	N
S8	08 Nov 2016	Water Temp (C)	17.4
S8	08 Nov 2016	Wave Height Low (ft)	1
S8	08 Nov 2016	High Tide (ft)	4.1
S8	08 Nov 2016	High Tide Time	426
S8	08 Nov 2016	Low Tide (ft)	2.6
S8	08 Nov 2016	Low Tide Time	1006
S8	08 Nov 2016	Comments	Water clear
S8	15 Nov 2016	Arrive Time	954
S8	15 Nov 2016	Weather	Partly Cloudy
S8	15 Nov 2016	Wind Speed (kts)	2
S8	15 Nov 2016	Wind Dir	W
S8	15 Nov 2016	Animal Life	None
S8	15 Nov 2016	Floatables	None
S8	15 Nov 2016	Water Color	Green
S8	15 Nov 2016	Current Direction	N
S8	15 Nov 2016	Water Temp (C)	17
S8	15 Nov 2016	Wave Height Low (ft)	3
S8	15 Nov 2016	High Tide (ft)	6.9
S8	15 Nov 2016	High Tide Time	843
S8	15 Nov 2016	Low Tide (ft)	-1.3
S8	15 Nov 2016	Low Tide Time	1546
S8	15 Nov 2016	Comments	Water clear
S8	22 Nov 2016	Arrive Time	1212
S8	22 Nov 2016	Weather	Partly Cloudy
S8	22 Nov 2016	Wind Speed (kts)	6.2
S8	22 Nov 2016	Wind Dir	NW
S8	22 Nov 2016	Animal Life	None
S8	22 Nov 2016	Floatables	None
S8	22 Nov 2016	Water Color	Green
S8	22 Nov 2016	Current Direction	N
S8	22 Nov 2016	Water Temp (C)	18
S8	22 Nov 2016	Wave Height Low (ft)	2
S8	22 Nov 2016	High Tide (ft)	3.9
S8	22 Nov 2016	High Tide Time	1616
S8	22 Nov 2016	Low Tide (ft)	1.9
S8	22 Nov 2016	Low Tide Time	1055
S8	22 Nov 2016	Comments	4 Persons; Water clear
S8	29 Nov 2016	Arrive Time	1000
S8	29 Nov 2016	Weather	Sunny
S8	29 Nov 2016	Wind Speed (kts)	3.3

Station	Date	Parameter	Value
S8	29 Nov 2016	Wind Dir	W
S8	29 Nov 2016	Animal Life	None
S8	29 Nov 2016	Floatables	None
S8	29 Nov 2016	Water Color	Green
S8	29 Nov 2016	Current Direction	N
S8	29 Nov 2016	Water Temp (C)	16.2
S8	29 Nov 2016	Wave Height Low (ft)	2
S8	29 Nov 2016	High Tide (ft)	5.8
S8	29 Nov 2016	High Tide Time	809
S8	29 Nov 2016	Low Tide (ft)	-0.3
S8	29 Nov 2016	Low Tide Time	1515
S8	29 Nov 2016	Comments	Kelp; Water clear
S9	01 Nov 2016	Arrive Time	922
S9	01 Nov 2016	Weather	Partly Cloudy
S9	01 Nov 2016	Wind Speed (kts)	0.9
S9	01 Nov 2016	Wind Dir	W
S9	01 Nov 2016	Animal Life	None
S9	01 Nov 2016	Floatables	None
S9	01 Nov 2016	Water Color	Green
S9	01 Nov 2016	Current Direction	N
S9	01 Nov 2016	Water Temp (C)	17.2
S9	01 Nov 2016	Wave Height Low (ft)	3
S9	01 Nov 2016	High Tide (ft)	5.6
S9	01 Nov 2016	High Tide Time	1001
S9	01 Nov 2016	Low Tide (ft)	1.7
S9	01 Nov 2016	Low Tide Time	356
S9	01 Nov 2016	Comments	Water clear
S9	08 Nov 2016	Arrive Time	915
S9	08 Nov 2016	Weather	Sunny
S9	08 Nov 2016	Wind Speed (kts)	1.5
S9	08 Nov 2016	Wind Dir	W
S9	08 Nov 2016	Animal Life	None
S9	08 Nov 2016	Floatables	None
S9	08 Nov 2016	Water Color	Green
S9	08 Nov 2016	Current Direction	N
S9	08 Nov 2016	Water Temp (C)	17.6
S9	08 Nov 2016	Wave Height Low (ft)	2
S9	08 Nov 2016	High Tide (ft)	4.1
S9	08 Nov 2016	High Tide Time	426
S9	08 Nov 2016	Low Tide (ft)	2.6
S9	08 Nov 2016	Low Tide Time	1006
S9	08 Nov 2016	Comments	3 Persons; Water clear
S9	15 Nov 2016	Arrive Time	933
S9	15 Nov 2016	Weather	Partly Cloudy
S9	15 Nov 2016	Wind Speed (kts)	1.3
S9	15 Nov 2016	Wind Dir	W
S9	15 Nov 2016	Animal Life	None
S9	15 Nov 2016	Floatables	None
S9	15 Nov 2016	Water Color	Green
S9	15 Nov 2016	Current Direction	N
S9	15 Nov 2016	Water Temp (C)	18.4
S9	15 Nov 2016	Wave Height Low (ft)	3

Station	Date	Parameter	Value
S9	15 Nov 2016	High Tide (ft)	6.9
S9	15 Nov 2016	High Tide Time	843
S9	15 Nov 2016	Low Tide (ft)	-1.3
S9	15 Nov 2016	Low Tide Time	1546
S9	15 Nov 2016	Comments	5 Surfers; Water clear
S9	22 Nov 2016	Arrive Time	1307
S9	22 Nov 2016	Weather	Sunny
S9	22 Nov 2016	Wind Speed (kts)	6.8
S9	22 Nov 2016	Wind Dir	NW
S9	22 Nov 2016	Animal Life	None
S9	22 Nov 2016	Floatables	None
S9	22 Nov 2016	Water Color	Green
S9	22 Nov 2016	Current Direction	N
S9	22 Nov 2016	Water Temp (C)	17.1
S9	22 Nov 2016	Wave Height Low (ft)	1
S9	22 Nov 2016	High Tide (ft)	3.9
S9	22 Nov 2016	High Tide Time	1616
S9	22 Nov 2016	Low Tide (ft)	1.9
S9	22 Nov 2016	Low Tide Time	1055
S9	22 Nov 2016	Comments	Kelp; Seagrass; 11 Persons; Water clear
S9	29 Nov 2016	Arrive Time	933
S9	29 Nov 2016	Weather	Sunny
S9	29 Nov 2016	Wind Speed (kts)	3.3
S9	29 Nov 2016	Wind Dir	W
S9	29 Nov 2016	Animal Life	None
S9	29 Nov 2016	Floatables	None
S9	29 Nov 2016	Water Color	Green
S9	29 Nov 2016	Current Direction	N
S9	29 Nov 2016	Water Temp (C)	15.8
S9	29 Nov 2016	Wave Height Low (ft)	2
S9	29 Nov 2016	High Tide (ft)	5.8
S9	29 Nov 2016	High Tide Time	809
S9	29 Nov 2016	Low Tide (ft)	-0.3
S9	29 Nov 2016	Low Tide Time	1515
S9	29 Nov 2016	Comments	2 Joggers; Water clear
S10	01 Nov 2016	Arrive Time	1239
S10	01 Nov 2016	Weather	Sunny
S10	01 Nov 2016	Wind Speed (kts)	4.4
S10	01 Nov 2016	Wind Dir	W
S10	01 Nov 2016	Animal Life	None
S10	01 Nov 2016	Floatables	None
S10	01 Nov 2016	Water Color	Green
S10	01 Nov 2016	Current Direction	N
S10	01 Nov 2016	Water Temp (C)	17.2
S10	01 Nov 2016	Wave Height Low (ft)	4
S10	01 Nov 2016	High Tide (ft)	5.6
S10	01 Nov 2016	High Tide Time	1001
S10	01 Nov 2016	Low Tide (ft)	0.1
S10	01 Nov 2016	Low Tide Time	1702
S10	01 Nov 2016	Comments	Water clear
S10	08 Nov 2016	Arrive Time	1223

Station	Date	Parameter	Value
S10	08 Nov 2016	Weather	Sunny
S10	08 Nov 2016	Wind Speed (kts)	2.9
S10	08 Nov 2016	Wind Dir	W
S10	08 Nov 2016	Animal Life	None
S10	08 Nov 2016	Floatables	None
S10	08 Nov 2016	Water Color	Green
S10	08 Nov 2016	Current Direction	N
S10	08 Nov 2016	Water Temp (C)	17.8
S10	08 Nov 2016	Wave Height Low (ft)	2
S10	08 Nov 2016	High Tide (ft)	4.1
S10	08 Nov 2016	High Tide Time	1531
S10	08 Nov 2016	Low Tide (ft)	2.6
S10	08 Nov 2016	Low Tide Time	1006
S10	08 Nov 2016	Comments	Water clear
S10	15 Nov 2016	Arrive Time	1253
S10	15 Nov 2016	Weather	Overcast
S10	15 Nov 2016	Wind Speed (kts)	5.2
S10	15 Nov 2016	Wind Dir	W
S10	15 Nov 2016	Animal Life	None
S10	15 Nov 2016	Floatables	None
S10	15 Nov 2016	Water Color	Green
S10	15 Nov 2016	Current Direction	N
S10	15 Nov 2016	Water Temp (C)	17.8
S10	15 Nov 2016	Wave Height Low (ft)	3
S10	15 Nov 2016	High Tide (ft)	6.9
S10	15 Nov 2016	High Tide Time	843
S10	15 Nov 2016	Low Tide (ft)	-1.3
S10	15 Nov 2016	Low Tide Time	1546
S10	15 Nov 2016	Comments	Water clear
S10	22 Nov 2016	Arrive Time	846
S10	22 Nov 2016	Weather	Sunny
S10	22 Nov 2016	Wind Speed (kts)	3.6
S10	22 Nov 2016	Wind Dir	E
S10	22 Nov 2016	Animal Life	None
S10	22 Nov 2016	Floatables	None
S10	22 Nov 2016	Water Color	Green
S10	22 Nov 2016	Current Direction	N
S10	22 Nov 2016	Water Temp (C)	16.4
S10	22 Nov 2016	Wave Height Low (ft)	2
S10	22 Nov 2016	High Tide (ft)	4.6
S10	22 Nov 2016	High Tide Time	443
S10	22 Nov 2016	Low Tide (ft)	1.9
S10	22 Nov 2016	Low Tide Time	1055
S10	22 Nov 2016	Comments	Kelp; Water clear
S10	23 Nov 2016	Arrive Time	911
S10	23 Nov 2016	Weather	Sunny
S10	23 Nov 2016	Wind Speed (kts)	1.1
S10	23 Nov 2016	Wind Dir	W
S10	23 Nov 2016	Animal Life	None
S10	23 Nov 2016	Floatables	None
S10	23 Nov 2016	Water Color	Green
S10	23 Nov 2016	Current Direction	N

Station	Date	Parameter	Value
S10	23 Nov 2016	Water Temp (C)	16.8
S10	23 Nov 2016	Wave Height Low (ft)	4
S10	23 Nov 2016	High Tide (ft)	4.9
S10	23 Nov 2016	High Tide Time	522
S10	23 Nov 2016	Low Tide (ft)	1.4
S10	23 Nov 2016	Low Tide Time	1151
S10	23 Nov 2016	Comments	Kelp; Seagrass; Water clear
S10	29 Nov 2016	Arrive Time	1239
S10	29 Nov 2016	Weather	Sunny
S10	29 Nov 2016	Wind Speed (kts)	9.3
S10	29 Nov 2016	Wind Dir	N
S10	29 Nov 2016	Animal Life	None
S10	29 Nov 2016	Floatables	None
S10	29 Nov 2016	Water Color	Green
S10	29 Nov 2016	Current Direction	N
S10	29 Nov 2016	Water Temp (C)	16.2
S10	29 Nov 2016	Wave Height Low (ft)	2
S10	29 Nov 2016	High Tide (ft)	5.8
S10	29 Nov 2016	High Tide Time	809
S10	29 Nov 2016	Low Tide (ft)	-0.3
S10	29 Nov 2016	Low Tide Time	1515
S10	29 Nov 2016	Comments	Seagrass; Sewage-like odor; Water clear
S11	01 Nov 2016	Arrive Time	1039
S11	01 Nov 2016	Weather	Partly Cloudy
S11	01 Nov 2016	Wind Speed (kts)	3.3
S11	01 Nov 2016	Wind Dir	W
S11	01 Nov 2016	Animal Life	None
S11	01 Nov 2016	Floatables	None
S11	01 Nov 2016	Water Color	Green
S11	01 Nov 2016	Current Direction	N
S11	01 Nov 2016	Water Temp (C)	16
S11	01 Nov 2016	Wave Height Low (ft)	4
S11	01 Nov 2016	High Tide (ft)	5.6
S11	01 Nov 2016	High Tide Time	1001
S11	01 Nov 2016	Low Tide (ft)	0.1
S11	01 Nov 2016	Low Tide Time	1702
S11	01 Nov 2016	Comments	Water clear
S11	08 Nov 2016	Arrive Time	1035
S11	08 Nov 2016	Weather	Sunny
S11	08 Nov 2016	Wind Speed (kts)	5.4
S11	08 Nov 2016	Wind Dir	NW
S11	08 Nov 2016	Animal Life	None
S11	08 Nov 2016	Floatables	None
S11	08 Nov 2016	Water Color	Green
S11	08 Nov 2016	Current Direction	NW
S11	08 Nov 2016	Water Temp (C)	16.2
S11	08 Nov 2016	Wave Height Low (ft)	3
S11	08 Nov 2016	High Tide (ft)	4.1
S11	08 Nov 2016	High Tide Time	1531
S11	08 Nov 2016	Low Tide (ft)	2.6
S11	08 Nov 2016	Low Tide Time	1006
S11	08 Nov 2016	Comments	Water clear

Station	Date	Parameter	Value
S11	15 Nov 2016	Arrive Time	1046
S11	15 Nov 2016	Weather	Partly Cloudy
S11	15 Nov 2016	Wind Speed (kts)	5.4
S11	15 Nov 2016	Wind Dir	W
S11	15 Nov 2016	Animal Life	None
S11	15 Nov 2016	Floatables	None
S11	15 Nov 2016	Water Color	Green
S11	15 Nov 2016	Current Direction	N
S11	15 Nov 2016	Water Temp (C)	17.4
S11	15 Nov 2016	Wave Height Low (ft)	4
S11	15 Nov 2016	High Tide (ft)	6.9
S11	15 Nov 2016	High Tide Time	843
S11	15 Nov 2016	Low Tide (ft)	-1.3
S11	15 Nov 2016	Low Tide Time	1546
S11	15 Nov 2016	Comments	Water clear
S11	22 Nov 2016	Arrive Time	1008
S11	22 Nov 2016	Weather	Sunny
S11	22 Nov 2016	Wind Speed (kts)	2.7
S11	22 Nov 2016	Wind Dir	NW
S11	22 Nov 2016	Animal Life	None
S11	22 Nov 2016	Floatables	None
S11	22 Nov 2016	Water Color	Green
S11	22 Nov 2016	Current Direction	N
S11	22 Nov 2016	Water Temp (C)	17.8
S11	22 Nov 2016	Wave Height Low (ft)	2
S11	22 Nov 2016	High Tide (ft)	4.6
S11	22 Nov 2016	High Tide Time	443
S11	22 Nov 2016	Low Tide (ft)	1.9
S11	22 Nov 2016	Low Tide Time	1055
S11	22 Nov 2016	Comments	1 Jogger; Water clear
S11	29 Nov 2016	Arrive Time	1049
S11	29 Nov 2016	Weather	Sunny
S11	29 Nov 2016	Wind Speed (kts)	5
S11	29 Nov 2016	Wind Dir	N
S11	29 Nov 2016	Animal Life	None
S11	29 Nov 2016	Floatables	None
S11	29 Nov 2016	Water Color	Green
S11	29 Nov 2016	Current Direction	N
S11	29 Nov 2016	Water Temp (C)	15.6
S11	29 Nov 2016	Wave Height Low (ft)	3
S11	29 Nov 2016	High Tide (ft)	5.8
S11	29 Nov 2016	High Tide Time	809
S11	29 Nov 2016	Low Tide (ft)	-0.3
S11	29 Nov 2016	Low Tide Time	1515
S11	29 Nov 2016	Comments	Water clear
S12	01 Nov 2016	Arrive Time	1020
S12	01 Nov 2016	Weather	Partly Cloudy
S12	01 Nov 2016	Wind Speed (kts)	2.7
S12	01 Nov 2016	Wind Dir	W
S12	01 Nov 2016	Animal Life	None
S12	01 Nov 2016	Floatables	None

Station	Date	Parameter	Value
S12	01 Nov 2016	Water Color	Green
S12	01 Nov 2016	Current Direction	N
S12	01 Nov 2016	Water Temp (C)	16.2
S12	01 Nov 2016	Wave Height Low (ft)	3
S12	01 Nov 2016	High Tide (ft)	5.6
S12	01 Nov 2016	High Tide Time	1001
S12	01 Nov 2016	Low Tide (ft)	1.7
S12	01 Nov 2016	Low Tide Time	356
S12	01 Nov 2016	Comments	Water clear
S12	08 Nov 2016	Arrive Time	1015
S12	08 Nov 2016	Weather	Sunny
S12	08 Nov 2016	Wind Speed (kts)	1.5
S12	08 Nov 2016	Wind Dir	NW
S12	08 Nov 2016	Animal Life	None
S12	08 Nov 2016	Floatables	None
S12	08 Nov 2016	Water Color	Green
S12	08 Nov 2016	Current Direction	N
S12	08 Nov 2016	Water Temp (C)	16
S12	08 Nov 2016	Wave Height Low (ft)	1
S12	08 Nov 2016	High Tide (ft)	4.1
S12	08 Nov 2016	High Tide Time	1531
S12	08 Nov 2016	Low Tide (ft)	2.6
S12	08 Nov 2016	Low Tide Time	1006
S12	08 Nov 2016	Comments	Water clear
S12	15 Nov 2016	Arrive Time	1029
S12	15 Nov 2016	Weather	Partly Cloudy
S12	15 Nov 2016	Wind Speed (kts)	3.3
S12	15 Nov 2016	Wind Dir	W
S12	15 Nov 2016	Animal Life	None
S12	15 Nov 2016	Floatables	None
S12	15 Nov 2016	Water Color	Green
S12	15 Nov 2016	Current Direction	N
S12	15 Nov 2016	Water Temp (C)	17.6
S12	15 Nov 2016	Wave Height Low (ft)	3
S12	15 Nov 2016	High Tide (ft)	6.9
S12	15 Nov 2016	High Tide Time	843
S12	15 Nov 2016	Low Tide (ft)	-1.3
S12	15 Nov 2016	Low Tide Time	1546
S12	15 Nov 2016	Comments	Water clear
S12	22 Nov 2016	Arrive Time	943
S12	22 Nov 2016	Weather	Sunny
S12	22 Nov 2016	Wind Speed (kts)	1.7
S12	22 Nov 2016	Wind Dir	NW
S12	22 Nov 2016	Animal Life	None
S12	22 Nov 2016	Floatables	None
S12	22 Nov 2016	Water Color	Green
S12	22 Nov 2016	Current Direction	N
S12	22 Nov 2016	Water Temp (C)	17.6
S12	22 Nov 2016	Wave Height Low (ft)	2
S12	22 Nov 2016	High Tide (ft)	4.6
S12	22 Nov 2016	High Tide Time	443
S12	22 Nov 2016	Low Tide (ft)	1.9

Station	Date	Parameter	Value
S12	22 Nov 2016	Low Tide Time	1055
S12	22 Nov 2016	Comments	Kelp; Water clear
S12	29 Nov 2016	Arrive Time	1027
S12	29 Nov 2016	Weather	Sunny
S12	29 Nov 2016	Wind Speed (kts)	5.4
S12	29 Nov 2016	Wind Dir	W
S12	29 Nov 2016	Animal Life	None
S12	29 Nov 2016	Floatables	None
S12	29 Nov 2016	Water Color	Green
S12	29 Nov 2016	Current Direction	N
S12	29 Nov 2016	Water Temp (C)	15.4
S12	29 Nov 2016	Wave Height Low (ft)	2
S12	29 Nov 2016	High Tide (ft)	5.8
S12	29 Nov 2016	High Tide Time	809
S12	29 Nov 2016	Low Tide (ft)	-0.3
S12	29 Nov 2016	Low Tide Time	1515
S12	29 Nov 2016	Comments	Kelp; 3 Persons; Water clear

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Kelp Stations

Table 3.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	3	3	3	2	2	2	4
02 Nov 2016	3	3	3	2	2	2	4
03 Nov 2016	3	3	3	2	2	2	4
04 Nov 2016	3	3	3	2	2	2	4
05 Nov 2016	3	3	3	2	2	2	4
06 Nov 2016	3	3	3	2	2	2	4
07 Nov 2016	3	3	2	2	2	2	4
08 Nov 2016	3	3	2	2	2	2	4
09 Nov 2016	3	3	2	2	2	2	4
10 Nov 2016	3	3	3	3	2	3	4
11 Nov 2016	3	3	3	3	2	3	4
12 Nov 2016	3	3	3	3	2	3	4
13 Nov 2016	3	4	3	3	2	3	4
14 Nov 2016	3	4	3	3	2	3	4
15 Nov 2016	3	4	3	3	2	3	4
16 Nov 2016	3	3	3	3	2	3	5
17 Nov 2016	3	3	3	3	2	3	5
18 Nov 2016	3	3	3	3	2	3	5
19 Nov 2016	3	4	3	3	2	3	5
20 Nov 2016	3	3	3	3	2	3	5
21 Nov 2016	3	3	3	3	2	3	5
22 Nov 2016	3	3	3	3	2	3	5
23 Nov 2016	3	3	3	3	2	3	5
24 Nov 2016	3	3	3	3	2	3	5
25 Nov 2016	2	3	2	3	2	3	4
26 Nov 2016	2	3	2	3	2	3	4
27 Nov 2016	2	3	2	3	2	3	4
28 Nov 2016	2	3	2	3	2	3	4
29 Nov 2016	3	3	2	3	2	3	4
30 Nov 2016	3	3	2	4	2	3	5

* Geometric mean calculated using n<5

Table 3.2

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	2	2	2	2	2	2	2
02 Nov 2016	2	2	2	2	2	2	2
03 Nov 2016	2	2	2	2	2	2	2
04 Nov 2016	2	2	2	2	2	2	2
05 Nov 2016	2	2	2	2	2	2	2
06 Nov 2016	2	2	2	2	2	2	2
07 Nov 2016	2	2	2	2	2	2	2
08 Nov 2016	2	2	2	2	2	2	2
09 Nov 2016	2	2	2	2	2	2	2
10 Nov 2016	2	2	2	2	2	2	2
11 Nov 2016	2	2	2	2	2	2	2
12 Nov 2016	2	2	2	2	2	2	2
13 Nov 2016	2	2	2	2	2	2	2
14 Nov 2016	2	2	2	2	2	2	2
15 Nov 2016	2	2	2	2	2	2	2
16 Nov 2016	2	2	2	2	2	2	2
17 Nov 2016	2	2	2	2	2	2	2
18 Nov 2016	2	2	2	2	2	2	2
19 Nov 2016	2	2	2	2	2	2	2
20 Nov 2016	2	2	2	2	2	2	2
21 Nov 2016	2	2	2	2	2	2	2
22 Nov 2016	2	2	2	2	2	2	2
23 Nov 2016	2	2	2	2	2	2	2
24 Nov 2016	2	2	2	2	2	2	2
25 Nov 2016	2	2	2	2	2	2	2
26 Nov 2016	2	2	2	2	2	2	2
27 Nov 2016	2	2	2	2	2	2	2
28 Nov 2016	2	2	2	2	2	2	2
29 Nov 2016	2	2	2	2	2	2	2
30 Nov 2016	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 SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	2	2	2	2	2	2	2
02 Nov 2016	2	2	2	2	2	2	2
03 Nov 2016	2	2	2	2	2	2	2
04 Nov 2016	2	2	2	2	2	2	2
05 Nov 2016	2	2	2	2	2	2	2
06 Nov 2016	2	2	2	2	2	2	2
07 Nov 2016	2	2	2	2	2	2	2
08 Nov 2016	2	2	2	2	2	2	2
09 Nov 2016	2	2	2	2	2	2	2
10 Nov 2016	2	2	2	2	2	2	2
11 Nov 2016	2	2	2	2	2	2	2
12 Nov 2016	2	2	2	2	2	2	2
13 Nov 2016	2	2	2	2	2	2	2
14 Nov 2016	2	2	2	2	2	2	2
15 Nov 2016	2	2	2	2	2	2	2
16 Nov 2016	2	2	2	2	2	2	2
17 Nov 2016	2	2	2	2	2	2	2
18 Nov 2016	2	2	2	2	2	2	2
19 Nov 2016	2	2	2	2	2	2	2
20 Nov 2016	2	2	2	2	2	2	2
21 Nov 2016	2	2	2	2	2	2	2
22 Nov 2016	2	2	2	2	2	2	2
23 Nov 2016	2	2	2	2	2	2	2
24 Nov 2016	2	2	2	2	2	2	2
25 Nov 2016	2	2	2	2	2	2	2
26 Nov 2016	2	2	2	2	2	2	2
27 Nov 2016	2	2	2	2	2	2	2
28 Nov 2016	2	2	2	2	2	2	2
29 Nov 2016	2	2	2	2	2	2	2
30 Nov 2016	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table 3.4

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	IC	IC	IC	IC	ns	IC	IC
03 Nov 2016	ns	ns	ns	ns	IC	ns	ns
10 Nov 2016	IC	IC	IC	IC	IC	IC	IC
16 Nov 2016	IC	IC	IC	IC	IC	IC	IC
20 Nov 2016	IC	IC	IC	IC	IC	IC	IC
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 3.5

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	IC	IC	IC	IC	ns	IC	IC
03 Nov 2016	ns	ns	ns	ns	IC	ns	ns
10 Nov 2016	IC	IC	IC	IC	IC	IC	IC
16 Nov 2016	IC	IC	IC	IC	IC	IC	IC
20 Nov 2016	IC	IC	IC	IC	IC	IC	IC
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 3.6

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	IC	IC	IC	IC	ns	IC	IC
03 Nov 2016	ns	ns	ns	ns	IC	ns	ns
10 Nov 2016	IC	IC	IC	IC	IC	IC	IC
16 Nov 2016	IC	IC	IC	IC	IC	IC	IC
20 Nov 2016	IC	IC	IC	IC	IC	IC	IC
29 Nov 2016	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 3.7

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Nov 2016	IC	IC	IC	IC	ns	IC	IC
03 Nov 2016	ns	ns	ns	ns	IC	ns	ns
10 Nov 2016	IC	IC	IC	IC	IC	IC	IC
16 Nov 2016	IC	IC	IC	IC	IC	IC	IC
20 Nov 2016	IC	IC	IC	IC	IC	IC	IC
29 Nov 2016	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 SBOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; values for temperature (Temp,°C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected; oil and grease samples (OG) and suspended solids (SUSO) data are reported as mg/L. Duplicates are indicated by *. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I19	01 Nov 2016	945	2	4e	<2	<2	0.50	15.4	66.31	7.6	33.28	8.0	<0.2	4.6
I19	01 Nov 2016	945	6	<2	<2	<2	1.00	14.6	62.10	6.9	33.26	8.0	ns	5.6
I19	01 Nov 2016	945	11	<2	<2	2e	1.00	14.2	59.14	6.5	33.28	8.0	ns	10.0
I19	10 Nov 2016	1046	2	2e	<2	2e	1.00	15.5	56.76	7.9	33.31	8.0	ns	ns
I19	10 Nov 2016	1046	6	4e	<2	2e	0.50	15.4	61.19	7.9	33.30	8.0	ns	ns
I19	10 Nov 2016	1046	11	2e	<2	<2	1.00	14.9	52.37	6.7	33.28	8.0	ns	ns
I19	16 Nov 2016	1037	2	<2	<2	<2	1.00	17.5	73.69	9.1	33.31	8.2	ns	ns
I19	16 Nov 2016	1037	6	<2	<2	<2	1.00	17.0	66.85	8.8	33.30	8.2	ns	ns
I19	16 Nov 2016	1037	11	<2	<2	2e	1.00	16.7	73.33	8.6	33.29	8.2	ns	ns
I19	20 Nov 2016	1124	2	<2	<2	<2	1.00	16.2	76.66	8.1	33.31	8.2	ns	ns
I19	20 Nov 2016	1124	6	<2	<2	<2	1.00	15.9	67.08	7.8	33.30	8.1	ns	ns
I19	20 Nov 2016	1124	11	<2	<2	<2	1.00	15.3	62.87	6.1	33.26	8.1	ns	ns
I19	29 Nov 2016	1059	2	10e	2e	<2	0.20	15.7	68.23	8.2	33.28	8.2	ns	ns
I19	29 Nov 2016	1059	6	18e	<2	2e	0.11	15.6	72.69	7.9	33.30	8.2	ns	ns
I19	29 Nov 2016	1059	11	20e	2e	<2	0.10	15.6	62.69	8.1	33.29	8.2	ns	ns
I24	01 Nov 2016	916	2	4e	<2	<2	0.50	16.7	80.79	8.4	33.29	8.1	<0.2	3.0
I24	01 Nov 2016	916	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I24	01 Nov 2016	916	6	<2	<2	<2	1.00	16.2	78.67	8.3	33.29	8.1	ns	2.8
I24	01 Nov 2016	916	11	<2	<2	<2	1.00	14.9	73.97	6.6	33.29	8.0	ns	3.4
I24	10 Nov 2016	1107	2	6e	4e	4e	0.67	16.2	64.71	7.9	33.32	8.1	ns	ns
I24	10 Nov 2016	1107	6	4e	2e	<2	0.50	15.4	58.36	7.7	33.30	8.0	ns	ns
I24	10 Nov 2016	1107	11	<2	4e	2e	2.00	15.3	55.11	7.5	33.30	8.0	ns	ns
I24	16 Nov 2016	1057	2	<2	<2	<2	1.00	17.4	74.50	10.2	33.30	8.3	ns	ns
I24	16 Nov 2016	1057	6	<2	<2	<2	1.00	17.1	72.66	9.1	33.30	8.2	ns	ns
I24	16 Nov 2016	1057	11	2e	<2	<2	1.00	16.6	75.75	8.7	33.29	8.2	ns	ns
I24	20 Nov 2016	1146	2	<2	<2	<2	1.00	16.3	69.60	8.3	33.32	8.1	ns	ns
I24	20 Nov 2016	1146	6	2e	<2	<2	1.00	15.9	71.32	6.6	33.30	8.1	ns	ns
I24	20 Nov 2016	1146	11	<2	<2	<2	1.00	15.5	61.37	6.7	33.29	8.1	ns	ns
I24	29 Nov 2016	1125	2	4e	2e	<2	0.50	15.7	69.53	8.1	33.29	8.2	ns	ns
I24	29 Nov 2016	1125	6	14e	<2	<2	0.14	15.6	71.45	7.2	33.29	8.2	ns	ns
I24	29 Nov 2016	1125	11	2e	<2	<2	1.00	15.4	64.82	7.3	33.30	8.1	ns	ns
I25	01 Nov 2016	902	2	<2	<2	<2	1.00	16.6	80.75	8.0	33.28	8.1	<0.2	<0.2
I25	01 Nov 2016	902	6	2e	<2	<2	1.00	16.0	78.55	8.2	33.30	8.1	ns	<0.2
I25	01 Nov 2016	902	9	<2	<2	<2	1.00	15.3	76.53	7.3	33.31	8.1	ns	3.5
I25	10 Nov 2016	1115	2	<2	<2	<2	1.00	16.6	73.58	8.1	33.33	8.1	ns	ns

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I25	10 Nov 2016	1115	6	4e	<2	<2	0.50	15.7	69.86	7.5	33.29	8.1	ns	ns
I25	10 Nov 2016	1115	9	2e	<2	2e	1.00	15.3	52.07	7.6	33.29	8.0	ns	ns
I25	16 Nov 2016	1106	2	<2	<2	<2	1.00	17.5	76.48	10.0	33.30	8.3	ns	ns
I25	16 Nov 2016	1106	6	<2	<2	<2	1.00	17.1	75.27	9.0	33.31	8.3	ns	ns
I25	16 Nov 2016	1106	9	<2	<2	<2	1.00	16.6	75.61	8.6	33.29	8.2	ns	ns
I25	20 Nov 2016	1154	2	<2	<2	<2	1.00	16.4	77.95	8.5	33.31	8.2	ns	ns
I25	20 Nov 2016	1154	6	2e	<2	<2	1.00	16.1	78.93	7.6	33.31	8.2	ns	ns
I25	20 Nov 2016	1154	9	<2	<2	<2	1.00	15.5	70.46	6.3	33.28	8.1	ns	ns
I25	29 Nov 2016	1133	2	<2	<2	<2	1.00	15.8	71.53	8.3	33.29	8.2	ns	ns
I25	29 Nov 2016	1133	6	4e	2e	<2	0.50	15.5	70.61	7.4	33.29	8.2	ns	ns
I25	29 Nov 2016	1133	9	2e	<2	<2	1.00	15.4	70.70	7.5	33.30	8.1	ns	ns
I26	01 Nov 2016	849	2	<2	<2	<2	1.00	16.2	76.58	8.1	33.29	8.1	<0.2	<0.2
I26	01 Nov 2016	849	6	<2	<2	<2	1.00	16.0	78.00	8.1	33.30	8.1	ns	<0.2
I26	01 Nov 2016	849	9	<2	<2	<2	1.00	15.4	80.76	7.9	33.29	8.1	ns	3.7
I26	10 Nov 2016	1126	2	<2	<2	<2	1.00	16.3	77.94	8.5	33.31	8.1	ns	ns
I26	10 Nov 2016	1126	6	<2	<2	<2	1.00	15.5	75.89	7.4	33.28	8.1	ns	ns
I26	10 Nov 2016	1126	9	40e	<2	<2	0.05	15.0	57.63	6.9	33.28	8.0	ns	ns
I26	16 Nov 2016	1118	2	<2	<2	<2	1.00	17.4	70.65	9.8	33.32	8.3	ns	ns
I26	16 Nov 2016	1118	6	<2	<2	<2	1.00	17.0	69.85	8.8	33.31	8.2	ns	ns
I26	16 Nov 2016	1118	9	<2	2e	4e	1.00	16.4	75.57	8.2	33.28	8.2	ns	ns
I26	20 Nov 2016	1205	2	<2	<2	<2	1.00	16.2	82.95	8.2	33.31	8.2	ns	ns
I26	20 Nov 2016	1205	6	<2	<2	<2	1.00	15.9	82.06	6.9	33.30	8.2	ns	ns
I26	20 Nov 2016	1205	9	<2	<2	<2	1.00	15.5	72.27	7.0	33.28	8.1	ns	ns
I26	29 Nov 2016	1146	2	2e	<2	<2	1.00	15.8	68.00	8.2	33.28	8.2	ns	ns
I26	29 Nov 2016	1146	6	10e	<2	<2	0.20	15.5	68.82	7.4	33.28	8.2	ns	ns
I26	29 Nov 2016	1146	9	2e	<2	<2	1.00	15.5	69.44	7.5	33.29	8.1	ns	ns
I32	03 Nov 2016	1118	2	<2	<2	<2	1.00	15.6	70.45	7.5	33.38	8.0	<0.2	3.2
I32	03 Nov 2016	1118	6	<2	<2	<2	1.00	14.7	65.19	6.7	33.38	8.0	ns	2.9
I32	03 Nov 2016	1118	9	<2	<2	<2	1.00	14.6	67.51	6.1	33.30	7.9	ns	4.6
I32	10 Nov 2016	1142	2	<2	<2	<2	1.00	16.3	72.62	8.3	33.31	8.1	ns	ns
I32	10 Nov 2016	1142	6	<2	<2	<2	1.00	16.0	61.70	8.3	33.31	8.1	ns	ns
I32	10 Nov 2016	1142	9	<2	<2	<2	1.00	15.8	49.40	7.9	33.30	8.0	ns	ns
I32	16 Nov 2016	1134	2	<2	<2	<2	1.00	17.6	75.37	8.6	33.32	8.2	ns	ns
I32	16 Nov 2016	1134	6	2e	<2	<2	1.00	16.8	64.30	8.0	33.30	8.2	ns	ns
I32	16 Nov 2016	1134	9	<2	<2	2e	1.00	16.4	64.44	7.4	33.29	8.2	ns	ns
I32	20 Nov 2016	1218	2	<2	<2	<2	1.00	16.3	66.39	8.1	33.31	8.1	ns	ns
I32	20 Nov 2016	1218	6	2e	<2	<2	1.00	16.0	59.26	7.7	33.30	8.1	ns	ns
I32	20 Nov 2016	1218	9	<2	<2	<2	1.00	15.9	54.08	7.5	33.30	8.1	ns	ns
I32	29 Nov 2016	1201	2	<2	<2	<2	1.00	15.9	58.25	8.1	33.30	8.2	ns	ns
I32	29 Nov 2016	1201	6	<2	<2	<2	1.00	15.6	65.66	7.8	33.29	8.2	ns	ns
I32	29 Nov 2016	1201	9	<2	<2	2e	1.00	15.5	63.38	7.0	33.29	8.2	ns	ns

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I39	01 Nov 2016	833	2	<2	<2	<2	1.00	16.7	82.99	8.2	33.29	8.1	<0.2	<0.2
I39	01 Nov 2016	833	12	<2	<2	<2	1.00	14.9	80.20	7.0	33.29	8.0	ns	<0.2
I39	01 Nov 2016	833	18	<2	<2	<2	1.00	14.4	74.29	6.4	33.29	7.9	ns	4.0
I39	10 Nov 2016	1020	2	<2	<2	<2	1.00	16.9	83.66	8.6	33.32	8.1	ns	ns
I39	10 Nov 2016	1020	12	<20	<2	2e	0.10	15.6	78.07	8.0	33.28	8.1	ns	ns
I39	10 Nov 2016	1020	18	4e	<2	<2	0.50	14.2	67.49	6.6	33.26	8.0	ns	ns
I39	16 Nov 2016	1015	2	<2	<2	<2	1.00	17.4	82.55	10.1	33.30	8.3	ns	ns
I39	16 Nov 2016	1015	12	<2	<2	<2	1.00	15.8	81.64	8.1	33.26	8.2	ns	ns
I39	16 Nov 2016	1015	18	<2	2e	<2	1.00	15.7	81.14	8.1	33.27	8.1	ns	ns
I39	20 Nov 2016	1056	2	<2	<2	<2	1.00	16.3	82.24	8.3	33.31	8.2	ns	ns
I39	20 Nov 2016	1056	12	<2	<2	<2	1.00	15.0	84.91	6.8	33.26	8.1	ns	ns
I39	20 Nov 2016	1056	18	<2	<2	<2	1.00	14.6	72.00	6.7	33.26	8.1	ns	ns
I39	29 Nov 2016	1030	2	4e	<2	<2	0.50	15.7	78.06	8.0	33.30	8.2	ns	ns
I39	29 Nov 2016	1030	12	2e	<2	<2	1.00	15.3	81.17	7.3	33.29	8.1	ns	ns
I39	29 Nov 2016	1030	18	<2	<2	<2	1.00	15.2	78.83	7.0	33.29	8.1	ns	ns
I40	01 Nov 2016	932	2	2e	<2	<2	1.00	15.4	66.40	7.5	33.29	8.0	<0.2	6.3
I40	01 Nov 2016	932	6	2e	<2	<2	1.00	15.3	65.40	7.3	33.29	8.0	ns	7.0
I40	01 Nov 2016	932	9	<2	<2	<2	1.00	14.7	67.98	6.2	33.28	7.9	ns	8.1
I40	10 Nov 2016	1058	2	2e	<2	<2	1.00	15.6	68.29	8.0	33.31	8.0	ns	ns
I40	10 Nov 2016	1058	6	<2	<2	2e	1.00	15.5	66.74	8.0	33.31	8.0	ns	ns
I40	10 Nov 2016	1058	9	<20	<2	2e	0.10	15.0	50.94	6.6	33.28	8.0	ns	ns
I40	16 Nov 2016	1049	2	<20	<2	<2	0.10	17.6	74.35	8.5	33.30	8.3	ns	ns
I40	16 Nov 2016	1049	6	2e	<2	<2	1.00	17.2	68.12	8.2	33.31	8.2	ns	ns
I40	16 Nov 2016	1049	9	<20	<2	<2	0.10	17.1	68.45	8.7	33.31	8.2	ns	ns
I40	20 Nov 2016	1136	2	2e	<2	<2	1.00	15.9	60.65	7.9	33.31	8.1	ns	ns
I40	20 Nov 2016	1136	6	<2	<2	<2	1.00	15.9	58.84	7.6	33.31	8.1	ns	ns
I40	20 Nov 2016	1136	9	2e	<2	<2	1.00	15.7	62.54	5.8	33.30	8.1	ns	ns
I40	29 Nov 2016	1113	2	10e	<2	<2	0.20	15.7	58.54	8.1	33.30	8.1	ns	ns
I40	29 Nov 2016	1113	6	4e	<2	<2	0.50	15.6	58.58	8.1	33.30	8.2	ns	ns
I40	29 Nov 2016	1113	9	8e	<2	<2	0.25	15.5	57.88	7.8	33.30	8.1	ns	ns

ns = not sampled
ND = no data

Table 3.9

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

Station	Date	Parameter	Value
I19	01 Nov 2016	Depth (m)	9
I19	01 Nov 2016	Arrive Time	945
I19	01 Nov 2016	Depart Time	953
I19	01 Nov 2016	Air Temp (C)	17
I19	01 Nov 2016	Weather	Partly Cloudy
I19	01 Nov 2016	Visibility (mi)	6
I19	01 Nov 2016	Wind Speed (kts)	2
I19	01 Nov 2016	Wind Dir	E
I19	01 Nov 2016	Water Color	Brownish-Green
I19	01 Nov 2016	Wave Ht Low (ft)	5
I19	01 Nov 2016	Wave Period (sec)	11
I19	01 Nov 2016	Sea State	Confused swell
I19	01 Nov 2016	High Tide (ft)	5.57
I19	01 Nov 2016	High Tide Time	1001
I19	01 Nov 2016	Low Tide (ft)	1.71
I19	01 Nov 2016	Low Tide Time	356
I19	01 Nov 2016	Comments	
I19	10 Nov 2016	Depth (m)	10
I19	10 Nov 2016	Arrive Time	1046
I19	10 Nov 2016	Depart Time	1049
I19	10 Nov 2016	Air Temp (C)	30
I19	10 Nov 2016	Weather	Clear
I19	10 Nov 2016	Visibility (mi)	12
I19	10 Nov 2016	Wind Speed (kts)	18
I19	10 Nov 2016	Wind Dir	NE
I19	10 Nov 2016	Water Color	Greenish-Brown
I19	10 Nov 2016	Wave Ht Low (ft)	9
I19	10 Nov 2016	Wave Period (sec)	9
I19	10 Nov 2016	Sea State	Calm
I19	10 Nov 2016	High Tide (ft)	5.12
I19	10 Nov 2016	High Tide Time	536
I19	10 Nov 2016	Low Tide (ft)	1.12
I19	10 Nov 2016	Low Tide Time	1156
I19	10 Nov 2016	Comments	Seagrass
I19	16 Nov 2016	Depth (m)	11
I19	16 Nov 2016	Arrive Time	1037
I19	16 Nov 2016	Depart Time	1042
I19	16 Nov 2016	Air Temp (C)	18
I19	16 Nov 2016	Weather	Overcast
I19	16 Nov 2016	Visibility (mi)	9
I19	16 Nov 2016	Wind Speed (kts)	3
I19	16 Nov 2016	Wind Dir	N
I19	16 Nov 2016	Water Color	Bluish-Green
I19	16 Nov 2016	Wave Ht Low (ft)	4
I19	16 Nov 2016	Wave Period (sec)	16
I19	16 Nov 2016	Sea State	Light chop
I19	16 Nov 2016	High Tide (ft)	6.65
I19	16 Nov 2016	High Tide Time	927
I19	16 Nov 2016	Low Tide (ft)	-1.11

Station	Date	Parameter	Value
I19	16 Nov 2016	Low Tide Time	1637
I19	16 Nov 2016	Comments	Lobster floats
I19	20 Nov 2016	Depth (m)	11
I19	20 Nov 2016	Arrive Time	1124
I19	20 Nov 2016	Depart Time	1127
I19	20 Nov 2016	Air Temp (C)	16
I19	20 Nov 2016	Weather	Overcast
I19	20 Nov 2016	Visibility (mi)	2
I19	20 Nov 2016	Wind Speed (kts)	4
I19	20 Nov 2016	Wind Dir	E
I19	20 Nov 2016	Water Color	Green
I19	20 Nov 2016	Wave Ht Low (ft)	5
I19	20 Nov 2016	Wave Period (sec)	13
I19	20 Nov 2016	Sea State	Calm
I19	20 Nov 2016	High Tide (ft)	4.45
I19	20 Nov 2016	High Tide Time	1326
I19	20 Nov 2016	Low Tide (ft)	2.65
I19	20 Nov 2016	Low Tide Time	753
I19	20 Nov 2016	Comments	
I19	29 Nov 2016	Depth (m)	11
I19	29 Nov 2016	Arrive Time	1059
I19	29 Nov 2016	Depart Time	1101
I19	29 Nov 2016	Air Temp (C)	15
I19	29 Nov 2016	Weather	Clear
I19	29 Nov 2016	Visibility (mi)	8
I19	29 Nov 2016	Wind Speed (kts)	10
I19	29 Nov 2016	Wind Dir	E
I19	29 Nov 2016	Water Color	Greenish-Blue
I19	29 Nov 2016	Wave Ht Low (ft)	6
I19	29 Nov 2016	Wave Period (sec)	11
I19	29 Nov 2016	Sea State	Confused swell
I19	29 Nov 2016	High Tide (ft)	5.81
I19	29 Nov 2016	High Tide Time	809
I19	29 Nov 2016	Low Tide (ft)	-0.34
I19	29 Nov 2016	Low Tide Time	1515
I19	29 Nov 2016	Comments	
I24	01 Nov 2016	Depth (m)	9
I24	01 Nov 2016	Arrive Time	916
I24	01 Nov 2016	Depart Time	928
I24	01 Nov 2016	Air Temp (C)	17
I24	01 Nov 2016	Weather	Partly Cloudy
I24	01 Nov 2016	Visibility (mi)	6
I24	01 Nov 2016	Wind Speed (kts)	3
I24	01 Nov 2016	Wind Dir	S
I24	01 Nov 2016	Water Color	Brownish-Green
I24	01 Nov 2016	Wave Ht Low (ft)	5
I24	01 Nov 2016	Wave Period (sec)	11
I24	01 Nov 2016	Sea State	Confused swell
I24	01 Nov 2016	High Tide (ft)	5.57
I24	01 Nov 2016	High Tide Time	1001
I24	01 Nov 2016	Low Tide (ft)	1.71
I24	01 Nov 2016	Low Tide Time	356

Station	Date	Parameter	Value
I24	01 Nov 2016	Comments	
I24	10 Nov 2016	Depth (m)	10
I24	10 Nov 2016	Arrive Time	1107
I24	10 Nov 2016	Depart Time	1111
I24	10 Nov 2016	Air Temp (C)	26
I24	10 Nov 2016	Weather	Clear
I24	10 Nov 2016	Visibility (mi)	12
I24	10 Nov 2016	Wind Speed (kts)	6
I24	10 Nov 2016	Wind Dir	S
I24	10 Nov 2016	Water Color	Green
I24	10 Nov 2016	Wave Ht Low (ft)	9
I24	10 Nov 2016	Wave Period (sec)	9
I24	10 Nov 2016	Sea State	Calm
I24	10 Nov 2016	High Tide (ft)	5.12
I24	10 Nov 2016	High Tide Time	536
I24	10 Nov 2016	Low Tide (ft)	1.12
I24	10 Nov 2016	Low Tide Time	1156
I24	10 Nov 2016	Comments	Boats
I24	16 Nov 2016	Depth (m)	10
I24	16 Nov 2016	Arrive Time	1057
I24	16 Nov 2016	Depart Time	1103
I24	16 Nov 2016	Air Temp (C)	18
I24	16 Nov 2016	Weather	Overcast
I24	16 Nov 2016	Visibility (mi)	9
I24	16 Nov 2016	Wind Speed (kts)	2
I24	16 Nov 2016	Wind Dir	E
I24	16 Nov 2016	Water Color	Bluish-Green
I24	16 Nov 2016	Wave Ht Low (ft)	4
I24	16 Nov 2016	Wave Period (sec)	16
I24	16 Nov 2016	Sea State	Light chop
I24	16 Nov 2016	High Tide (ft)	6.65
I24	16 Nov 2016	High Tide Time	927
I24	16 Nov 2016	Low Tide (ft)	-1.11
I24	16 Nov 2016	Low Tide Time	1637
I24	16 Nov 2016	Comments	
I24	20 Nov 2016	Depth (m)	10
I24	20 Nov 2016	Arrive Time	1146
I24	20 Nov 2016	Depart Time	1149
I24	20 Nov 2016	Air Temp (C)	17
I24	20 Nov 2016	Weather	Overcast
I24	20 Nov 2016	Visibility (mi)	2
I24	20 Nov 2016	Wind Speed (kts)	2
I24	20 Nov 2016	Wind Dir	SE
I24	20 Nov 2016	Water Color	Green
I24	20 Nov 2016	Wave Ht Low (ft)	5
I24	20 Nov 2016	Wave Period (sec)	13
I24	20 Nov 2016	Sea State	Calm
I24	20 Nov 2016	High Tide (ft)	4.45
I24	20 Nov 2016	High Tide Time	1326
I24	20 Nov 2016	Low Tide (ft)	2.65
I24	20 Nov 2016	Low Tide Time	753
I24	20 Nov 2016	Comments	

Station	Date	Parameter	Value
I24	29 Nov 2016	Depth (m)	11
I24	29 Nov 2016	Arrive Time	1125
I24	29 Nov 2016	Depart Time	1127
I24	29 Nov 2016	Air Temp (C)	15
I24	29 Nov 2016	Weather	Clear
I24	29 Nov 2016	Visibility (mi)	8
I24	29 Nov 2016	Wind Speed (kts)	8
I24	29 Nov 2016	Wind Dir	NE
I24	29 Nov 2016	Water Color	Green
I24	29 Nov 2016	Wave Ht Low (ft)	6
I24	29 Nov 2016	Wave Period (sec)	11
I24	29 Nov 2016	Sea State	Confused swell
I24	29 Nov 2016	High Tide (ft)	5.81
I24	29 Nov 2016	High Tide Time	809
I24	29 Nov 2016	Low Tide (ft)	-0.34
I24	29 Nov 2016	Low Tide Time	1515
I24	29 Nov 2016	Comments	
I25	01 Nov 2016	Depth (m)	9
I25	01 Nov 2016	Arrive Time	902
I25	01 Nov 2016	Depart Time	911
I25	01 Nov 2016	Air Temp (C)	16
I25	01 Nov 2016	Weather	Partly Cloudy
I25	01 Nov 2016	Visibility (mi)	6
I25	01 Nov 2016	Wind Speed (kts)	4
I25	01 Nov 2016	Wind Dir	N
I25	01 Nov 2016	Water Color	Brownish-Green
I25	01 Nov 2016	Wave Ht Low (ft)	5
I25	01 Nov 2016	Wave Period (sec)	11
I25	01 Nov 2016	Sea State	Confused swell
I25	01 Nov 2016	High Tide (ft)	5.57
I25	01 Nov 2016	High Tide Time	1001
I25	01 Nov 2016	Low Tide (ft)	1.71
I25	01 Nov 2016	Low Tide Time	356
I25	01 Nov 2016	Comments	
I25	10 Nov 2016	Depth (m)	10
I25	10 Nov 2016	Arrive Time	1115
I25	10 Nov 2016	Depart Time	1121
I25	10 Nov 2016	Air Temp (C)	22
I25	10 Nov 2016	Weather	Clear
I25	10 Nov 2016	Visibility (mi)	12
I25	10 Nov 2016	Wind Speed (kts)	1
I25	10 Nov 2016	Wind Dir	SE
I25	10 Nov 2016	Water Color	Green
I25	10 Nov 2016	Wave Ht Low (ft)	9
I25	10 Nov 2016	Wave Period (sec)	9
I25	10 Nov 2016	Sea State	Calm
I25	10 Nov 2016	High Tide (ft)	5.12
I25	10 Nov 2016	High Tide Time	536
I25	10 Nov 2016	Low Tide (ft)	1.12
I25	10 Nov 2016	Low Tide Time	1156
I25	10 Nov 2016	Comments	

Station	Date	Parameter	Value
I25	16 Nov 2016	Depth (m)	9
I25	16 Nov 2016	Arrive Time	1106
I25	16 Nov 2016	Depart Time	1113
I25	16 Nov 2016	Air Temp (C)	18
I25	16 Nov 2016	Weather	Overcast
I25	16 Nov 2016	Visibility (mi)	9
I25	16 Nov 2016	Wind Speed (kts)	1
I25	16 Nov 2016	Wind Dir	S
I25	16 Nov 2016	Water Color	Bluish-Green
I25	16 Nov 2016	Wave Ht Low (ft)	4
I25	16 Nov 2016	Wave Period (sec)	16
I25	16 Nov 2016	Sea State	Light chop
I25	16 Nov 2016	High Tide (ft)	6.65
I25	16 Nov 2016	High Tide Time	927
I25	16 Nov 2016	Low Tide (ft)	-1.11
I25	16 Nov 2016	Low Tide Time	1637
I25	16 Nov 2016	Comments	
I25	20 Nov 2016	Depth (m)	9
I25	20 Nov 2016	Arrive Time	1154
I25	20 Nov 2016	Depart Time	1157
I25	20 Nov 2016	Air Temp (C)	17
I25	20 Nov 2016	Weather	Overcast
I25	20 Nov 2016	Visibility (mi)	2
I25	20 Nov 2016	Wind Speed (kts)	5
I25	20 Nov 2016	Wind Dir	NE
I25	20 Nov 2016	Water Color	Green
I25	20 Nov 2016	Wave Ht Low (ft)	5
I25	20 Nov 2016	Wave Period (sec)	13
I25	20 Nov 2016	Sea State	Calm
I25	20 Nov 2016	High Tide (ft)	4.45
I25	20 Nov 2016	High Tide Time	1326
I25	20 Nov 2016	Low Tide (ft)	2.65
I25	20 Nov 2016	Low Tide Time	753
I25	20 Nov 2016	Comments	Seagrass
I25	29 Nov 2016	Depth (m)	9
I25	29 Nov 2016	Arrive Time	1133
I25	29 Nov 2016	Depart Time	1136
I25	29 Nov 2016	Air Temp (C)	15
I25	29 Nov 2016	Weather	Clear
I25	29 Nov 2016	Visibility (mi)	8
I25	29 Nov 2016	Wind Speed (kts)	9
I25	29 Nov 2016	Wind Dir	SE
I25	29 Nov 2016	Water Color	Green
I25	29 Nov 2016	Wave Ht Low (ft)	6
I25	29 Nov 2016	Wave Period (sec)	11
I25	29 Nov 2016	Sea State	Confused swell
I25	29 Nov 2016	High Tide (ft)	5.81
I25	29 Nov 2016	High Tide Time	809
I25	29 Nov 2016	Low Tide (ft)	-0.34
I25	29 Nov 2016	Low Tide Time	1515
I25	29 Nov 2016	Comments	
I26	01 Nov 2016	Depth (m)	9

Station	Date	Parameter	Value
I26	01 Nov 2016	Arrive Time	849
I26	01 Nov 2016	Depart Time	853
I26	01 Nov 2016	Air Temp (C)	16
I26	01 Nov 2016	Weather	Partly Cloudy
I26	01 Nov 2016	Visibility (mi)	6
I26	01 Nov 2016	Wind Speed (kts)	8
I26	01 Nov 2016	Wind Dir	NE
I26	01 Nov 2016	Water Color	Brownish-Green
I26	01 Nov 2016	Wave Ht Low (ft)	5
I26	01 Nov 2016	Wave Period (sec)	11
I26	01 Nov 2016	Sea State	Confused swell
I26	01 Nov 2016	High Tide (ft)	5.57
I26	01 Nov 2016	High Tide Time	1001
I26	01 Nov 2016	Low Tide (ft)	1.71
I26	01 Nov 2016	Low Tide Time	356
I26	01 Nov 2016	Comments	
I26	10 Nov 2016	Depth (m)	9
I26	10 Nov 2016	Arrive Time	1126
I26	10 Nov 2016	Depart Time	1137
I26	10 Nov 2016	Air Temp (C)	22
I26	10 Nov 2016	Weather	Clear
I26	10 Nov 2016	Visibility (mi)	12
I26	10 Nov 2016	Wind Speed (kts)	1
I26	10 Nov 2016	Wind Dir	N
I26	10 Nov 2016	Water Color	Green
I26	10 Nov 2016	Wave Ht Low (ft)	9
I26	10 Nov 2016	Wave Period (sec)	9
I26	10 Nov 2016	Sea State	Calm
I26	10 Nov 2016	High Tide (ft)	5.12
I26	10 Nov 2016	High Tide Time	536
I26	10 Nov 2016	Low Tide (ft)	1.12
I26	10 Nov 2016	Low Tide Time	1156
I26	10 Nov 2016	Comments	
I26	16 Nov 2016	Depth (m)	9
I26	16 Nov 2016	Arrive Time	1118
I26	16 Nov 2016	Depart Time	1124
I26	16 Nov 2016	Air Temp (C)	18
I26	16 Nov 2016	Weather	Overcast
I26	16 Nov 2016	Visibility (mi)	9
I26	16 Nov 2016	Wind Speed (kts)	2
I26	16 Nov 2016	Wind Dir	SE
I26	16 Nov 2016	Water Color	Bluish-Green
I26	16 Nov 2016	Wave Ht Low (ft)	4
I26	16 Nov 2016	Wave Period (sec)	16
I26	16 Nov 2016	Sea State	Light chop
I26	16 Nov 2016	High Tide (ft)	6.65
I26	16 Nov 2016	High Tide Time	927
I26	16 Nov 2016	Low Tide (ft)	-1.11
I26	16 Nov 2016	Low Tide Time	1637
I26	16 Nov 2016	Comments	
I26	20 Nov 2016	Depth (m)	10
I26	20 Nov 2016	Arrive Time	1205

Station	Date	Parameter	Value
I26	20 Nov 2016	Depart Time	1208
I26	20 Nov 2016	Air Temp (C)	17
I26	20 Nov 2016	Weather	Overcast
I26	20 Nov 2016	Visibility (mi)	2
I26	20 Nov 2016	Wind Speed (kts)	6
I26	20 Nov 2016	Wind Dir	E
I26	20 Nov 2016	Water Color	Green
I26	20 Nov 2016	Wave Ht Low (ft)	5
I26	20 Nov 2016	Wave Period (sec)	13
I26	20 Nov 2016	Sea State	Calm
I26	20 Nov 2016	High Tide (ft)	4.45
I26	20 Nov 2016	High Tide Time	1326
I26	20 Nov 2016	Low Tide (ft)	2.65
I26	20 Nov 2016	Low Tide Time	753
I26	20 Nov 2016	Comments	
I26	29 Nov 2016	Depth (m)	9
I26	29 Nov 2016	Arrive Time	1146
I26	29 Nov 2016	Depart Time	1148
I26	29 Nov 2016	Air Temp (C)	16
I26	29 Nov 2016	Weather	Clear
I26	29 Nov 2016	Visibility (mi)	8
I26	29 Nov 2016	Wind Speed (kts)	10
I26	29 Nov 2016	Wind Dir	E
I26	29 Nov 2016	Water Color	Green
I26	29 Nov 2016	Wave Ht Low (ft)	6
I26	29 Nov 2016	Wave Period (sec)	11
I26	29 Nov 2016	Sea State	Confused swell
I26	29 Nov 2016	High Tide (ft)	5.81
I26	29 Nov 2016	High Tide Time	809
I26	29 Nov 2016	Low Tide (ft)	-0.34
I26	29 Nov 2016	Low Tide Time	1515
I26	29 Nov 2016	Comments	
I32	03 Nov 2016	Depth (m)	10
I32	03 Nov 2016	Arrive Time	1118
I32	03 Nov 2016	Depart Time	1125
I32	03 Nov 2016	Air Temp (C)	17
I32	03 Nov 2016	Weather	Clear
I32	03 Nov 2016	Visibility (mi)	12
I32	03 Nov 2016	Wind Speed (kts)	4
I32	03 Nov 2016	Wind Dir	E
I32	03 Nov 2016	Water Color	Green
I32	03 Nov 2016	Wave Ht Low (ft)	3
I32	03 Nov 2016	Wave Period (sec)	9
I32	03 Nov 2016	Sea State	Calm
I32	03 Nov 2016	High Tide (ft)	5.19
I32	03 Nov 2016	High Tide Time	1055
I32	03 Nov 2016	Low Tide (ft)	2.29
I32	03 Nov 2016	Low Tide Time	446
I32	03 Nov 2016	Comments	
I32	10 Nov 2016	Depth (m)	9
I32	10 Nov 2016	Arrive Time	1142
I32	10 Nov 2016	Depart Time	1147

Station	Date	Parameter	Value
I32	10 Nov 2016	Air Temp (C)	22
I32	10 Nov 2016	Weather	Clear
I32	10 Nov 2016	Visibility (mi)	12
I32	10 Nov 2016	Wind Speed (kts)	7
I32	10 Nov 2016	Wind Dir	SW
I32	10 Nov 2016	Water Color	Green
I32	10 Nov 2016	Wave Ht Low (ft)	9
I32	10 Nov 2016	Wave Period (sec)	9
I32	10 Nov 2016	Sea State	Calm
I32	10 Nov 2016	High Tide (ft)	5.12
I32	10 Nov 2016	High Tide Time	536
I32	10 Nov 2016	Low Tide (ft)	1.12
I32	10 Nov 2016	Low Tide Time	1156
I32	10 Nov 2016	Comments	
I32	16 Nov 2016	Depth (m)	10
I32	16 Nov 2016	Arrive Time	1134
I32	16 Nov 2016	Depart Time	1142
I32	16 Nov 2016	Air Temp (C)	18
I32	16 Nov 2016	Weather	Overcast
I32	16 Nov 2016	Visibility (mi)	9
I32	16 Nov 2016	Wind Speed (kts)	0
I32	16 Nov 2016	Wind Dir	
I32	16 Nov 2016	Water Color	Bluish-Green
I32	16 Nov 2016	Wave Ht Low (ft)	4
I32	16 Nov 2016	Wave Period (sec)	16
I32	16 Nov 2016	Sea State	Light chop
I32	16 Nov 2016	High Tide (ft)	6.65
I32	16 Nov 2016	High Tide Time	927
I32	16 Nov 2016	Low Tide (ft)	-1.11
I32	16 Nov 2016	Low Tide Time	1637
I32	16 Nov 2016	Comments	Kelp debris
I32	20 Nov 2016	Depth (m)	9
I32	20 Nov 2016	Arrive Time	1218
I32	20 Nov 2016	Depart Time	1221
I32	20 Nov 2016	Air Temp (C)	17
I32	20 Nov 2016	Weather	Overcast
I32	20 Nov 2016	Visibility (mi)	2
I32	20 Nov 2016	Wind Speed (kts)	6
I32	20 Nov 2016	Wind Dir	NW
I32	20 Nov 2016	Water Color	Green
I32	20 Nov 2016	Wave Ht Low (ft)	6
I32	20 Nov 2016	Wave Period (sec)	13
I32	20 Nov 2016	Sea State	Calm
I32	20 Nov 2016	High Tide (ft)	4.45
I32	20 Nov 2016	High Tide Time	1326
I32	20 Nov 2016	Low Tide (ft)	2.65
I32	20 Nov 2016	Low Tide Time	753
I32	20 Nov 2016	Comments	
I32	29 Nov 2016	Depth (m)	10
I32	29 Nov 2016	Arrive Time	1201
I32	29 Nov 2016	Depart Time	1205
I32	29 Nov 2016	Air Temp (C)	16

Station	Date	Parameter	Value
I32	29 Nov 2016	Weather	Clear
I32	29 Nov 2016	Visibility (mi)	8
I32	29 Nov 2016	Wind Speed (kts)	7
I32	29 Nov 2016	Wind Dir	S
I32	29 Nov 2016	Water Color	Green
I32	29 Nov 2016	Wave Ht Low (ft)	6
I32	29 Nov 2016	Wave Period (sec)	11
I32	29 Nov 2016	Sea State	Confused swell
I32	29 Nov 2016	High Tide (ft)	5.81
I32	29 Nov 2016	High Tide Time	809
I32	29 Nov 2016	Low Tide (ft)	-0.34
I32	29 Nov 2016	Low Tide Time	1515
I32	29 Nov 2016	Comments	
I39	01 Nov 2016	Depth (m)	18
I39	01 Nov 2016	Arrive Time	833
I39	01 Nov 2016	Depart Time	838
I39	01 Nov 2016	Air Temp (C)	15
I39	01 Nov 2016	Weather	Partly Cloudy
I39	01 Nov 2016	Visibility (mi)	6
I39	01 Nov 2016	Wind Speed (kts)	11
I39	01 Nov 2016	Wind Dir	E
I39	01 Nov 2016	Water Color	Brownish-Green
I39	01 Nov 2016	Wave Ht Low (ft)	5
I39	01 Nov 2016	Wave Period (sec)	11
I39	01 Nov 2016	Sea State	Confused swell
I39	01 Nov 2016	High Tide (ft)	5.57
I39	01 Nov 2016	High Tide Time	1001
I39	01 Nov 2016	Low Tide (ft)	1.71
I39	01 Nov 2016	Low Tide Time	356
I39	01 Nov 2016	Comments	
I39	10 Nov 2016	Depth (m)	18
I39	10 Nov 2016	Arrive Time	1020
I39	10 Nov 2016	Depart Time	1024
I39	10 Nov 2016	Air Temp (C)	24
I39	10 Nov 2016	Weather	Clear
I39	10 Nov 2016	Visibility (mi)	12
I39	10 Nov 2016	Wind Speed (kts)	6
I39	10 Nov 2016	Wind Dir	S
I39	10 Nov 2016	Water Color	Green
I39	10 Nov 2016	Wave Ht Low (ft)	9
I39	10 Nov 2016	Wave Period (sec)	9
I39	10 Nov 2016	Sea State	Calm
I39	10 Nov 2016	High Tide (ft)	5.12
I39	10 Nov 2016	High Tide Time	536
I39	10 Nov 2016	Low Tide (ft)	1.12
I39	10 Nov 2016	Low Tide Time	1156
I39	10 Nov 2016	Comments	Kelp debris; Seagrass
I39	16 Nov 2016	Depth (m)	19
I39	16 Nov 2016	Arrive Time	1015
I39	16 Nov 2016	Depart Time	1024
I39	16 Nov 2016	Air Temp (C)	18
I39	16 Nov 2016	Weather	Overcast

Station	Date	Parameter	Value
I39	16 Nov 2016	Visibility (mi)	9
I39	16 Nov 2016	Wind Speed (kts)	5
I39	16 Nov 2016	Wind Dir	N
I39	16 Nov 2016	Water Color	Bluish-Green
I39	16 Nov 2016	Wave Ht Low (ft)	4
I39	16 Nov 2016	Wave Period (sec)	16
I39	16 Nov 2016	Sea State	Light chop
I39	16 Nov 2016	High Tide (ft)	6.65
I39	16 Nov 2016	High Tide Time	927
I39	16 Nov 2016	Low Tide (ft)	-1.11
I39	16 Nov 2016	Low Tide Time	1637
I39	16 Nov 2016	Comments	Lobster floats; Kelp debris
I39	20 Nov 2016	Depth (m)	18
I39	20 Nov 2016	Arrive Time	1056
I39	20 Nov 2016	Depart Time	1100
I39	20 Nov 2016	Air Temp (C)	17
I39	20 Nov 2016	Weather	Overcast
I39	20 Nov 2016	Visibility (mi)	5
I39	20 Nov 2016	Wind Speed (kts)	7
I39	20 Nov 2016	Wind Dir	S
I39	20 Nov 2016	Water Color	Green
I39	20 Nov 2016	Wave Ht Low (ft)	4
I39	20 Nov 2016	Wave Period (sec)	13
I39	20 Nov 2016	Sea State	Calm
I39	20 Nov 2016	High Tide (ft)	4.45
I39	20 Nov 2016	High Tide Time	1326
I39	20 Nov 2016	Low Tide (ft)	2.65
I39	20 Nov 2016	Low Tide Time	753
I39	20 Nov 2016	Comments	
I39	29 Nov 2016	Depth (m)	19
I39	29 Nov 2016	Arrive Time	1030
I39	29 Nov 2016	Depart Time	1039
I39	29 Nov 2016	Air Temp (C)	14
I39	29 Nov 2016	Weather	Clear
I39	29 Nov 2016	Visibility (mi)	8
I39	29 Nov 2016	Wind Speed (kts)	4
I39	29 Nov 2016	Wind Dir	S
I39	29 Nov 2016	Water Color	Greenish-Blue
I39	29 Nov 2016	Wave Ht Low (ft)	6
I39	29 Nov 2016	Wave Period (sec)	11
I39	29 Nov 2016	Sea State	Confused swell
I39	29 Nov 2016	High Tide (ft)	5.81
I39	29 Nov 2016	High Tide Time	809
I39	29 Nov 2016	Low Tide (ft)	-0.34
I39	29 Nov 2016	Low Tide Time	1515
I39	29 Nov 2016	Comments	
I40	01 Nov 2016	Depth (m)	9
I40	01 Nov 2016	Arrive Time	932
I40	01 Nov 2016	Depart Time	935
I40	01 Nov 2016	Air Temp (C)	18
I40	01 Nov 2016	Weather	Partly Cloudy
I40	01 Nov 2016	Visibility (mi)	6

Station	Date	Parameter	Value
I40	01 Nov 2016	Wind Speed (kts)	0
I40	01 Nov 2016	Wind Dir	
I40	01 Nov 2016	Water Color	Brownish-Green
I40	01 Nov 2016	Wave Ht Low (ft)	5
I40	01 Nov 2016	Wave Period (sec)	11
I40	01 Nov 2016	Sea State	Confused swell
I40	01 Nov 2016	High Tide (ft)	5.57
I40	01 Nov 2016	High Tide Time	1001
I40	01 Nov 2016	Low Tide (ft)	1.71
I40	01 Nov 2016	Low Tide Time	356
I40	01 Nov 2016	Comments	
I40	10 Nov 2016	Depth (m)	11
I40	10 Nov 2016	Arrive Time	1058
I40	10 Nov 2016	Depart Time	1101
I40	10 Nov 2016	Air Temp (C)	29
I40	10 Nov 2016	Weather	Clear
I40	10 Nov 2016	Visibility (mi)	12
I40	10 Nov 2016	Wind Speed (kts)	12
I40	10 Nov 2016	Wind Dir	W
I40	10 Nov 2016	Water Color	Green
I40	10 Nov 2016	Wave Ht Low (ft)	9
I40	10 Nov 2016	Wave Period (sec)	9
I40	10 Nov 2016	Sea State	Calm
I40	10 Nov 2016	High Tide (ft)	5.12
I40	10 Nov 2016	High Tide Time	536
I40	10 Nov 2016	Low Tide (ft)	1.12
I40	10 Nov 2016	Low Tide Time	1156
I40	10 Nov 2016	Comments	Boats
I40	16 Nov 2016	Depth (m)	10
I40	16 Nov 2016	Arrive Time	1049
I40	16 Nov 2016	Depart Time	1054
I40	16 Nov 2016	Air Temp (C)	18
I40	16 Nov 2016	Weather	Overcast
I40	16 Nov 2016	Visibility (mi)	9
I40	16 Nov 2016	Wind Speed (kts)	4
I40	16 Nov 2016	Wind Dir	W
I40	16 Nov 2016	Water Color	Bluish-Green
I40	16 Nov 2016	Wave Ht Low (ft)	4
I40	16 Nov 2016	Wave Period (sec)	16
I40	16 Nov 2016	Sea State	Light chop
I40	16 Nov 2016	High Tide (ft)	6.65
I40	16 Nov 2016	High Tide Time	927
I40	16 Nov 2016	Low Tide (ft)	-1.11
I40	16 Nov 2016	Low Tide Time	1637
I40	16 Nov 2016	Comments	Lobster floats
I40	20 Nov 2016	Depth (m)	9
I40	20 Nov 2016	Arrive Time	1136
I40	20 Nov 2016	Depart Time	1139
I40	20 Nov 2016	Air Temp (C)	16
I40	20 Nov 2016	Weather	Overcast
I40	20 Nov 2016	Visibility (mi)	2
I40	20 Nov 2016	Wind Speed (kts)	4

Station	Date	Parameter	Value
I40	20 Nov 2016	Wind Dir	NW
I40	20 Nov 2016	Water Color	Brownish-Green
I40	20 Nov 2016	Wave Ht Low (ft)	5
I40	20 Nov 2016	Wave Period (sec)	13
I40	20 Nov 2016	Sea State	Calm
I40	20 Nov 2016	High Tide (ft)	4.45
I40	20 Nov 2016	High Tide Time	1326
I40	20 Nov 2016	Low Tide (ft)	2.65
I40	20 Nov 2016	Low Tide Time	753
I40	20 Nov 2016	Comments	Birds
I40	29 Nov 2016	Depth (m)	10
I40	29 Nov 2016	Arrive Time	1113
I40	29 Nov 2016	Depart Time	1118
I40	29 Nov 2016	Air Temp (C)	15
I40	29 Nov 2016	Weather	Clear
I40	29 Nov 2016	Visibility (mi)	8
I40	29 Nov 2016	Wind Speed (kts)	10
I40	29 Nov 2016	Wind Dir	NE
I40	29 Nov 2016	Water Color	Green
I40	29 Nov 2016	Wave Ht Low (ft)	6
I40	29 Nov 2016	Wave Period (sec)	11
I40	29 Nov 2016	Sea State	Confused swell
I40	29 Nov 2016	High Tide (ft)	5.81
I40	29 Nov 2016	High Tide Time	809
I40	29 Nov 2016	Low Tide (ft)	-0.34
I40	29 Nov 2016	Low Tide Time	1515
I40	29 Nov 2016	Comments	

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I19	01 Nov 2016	1	15.39	66.32	7.6	33.28	8.0	24.6	2.40
I19	01 Nov 2016	2	15.39	66.31	7.6	33.28	8.0	24.6	2.79
I19	01 Nov 2016	3	15.16	65.31	7.4	33.28	8.0	24.6	4.85
I19	01 Nov 2016	4	15.01	61.96	7.3	33.28	8.0	24.6	5.33
I19	01 Nov 2016	5	14.89	60.43	7.2	33.27	8.0	24.7	5.46
I19	01 Nov 2016	6	14.60	62.10	6.9	33.26	8.0	24.7	4.94
I19	01 Nov 2016	7	14.30	67.94	6.7	33.27	8.0	24.8	4.21
I19	01 Nov 2016	8	14.26	68.15	6.7	33.27	8.0	24.8	3.91
I19	01 Nov 2016	9	14.25	62.30	6.5	33.27	8.0	24.8	3.53
I19	01 Nov 2016	10	14.21	59.14	6.5	33.28	8.0	24.8	3.49
I19	10 Nov 2016	1	15.57	56.91	7.9	33.31	8.0	24.5	1.89
I19	10 Nov 2016	2	15.54	56.76	7.9	33.31	8.0	24.6	2.35
I19	10 Nov 2016	3	15.50	57.49	7.9	33.31	8.0	24.6	2.75
I19	10 Nov 2016	4	15.48	57.74	7.9	33.31	8.0	24.6	3.45
I19	10 Nov 2016	5	15.45	58.46	7.9	33.31	8.0	24.6	3.87
I19	10 Nov 2016	6	15.39	61.19	7.9	33.30	8.0	24.6	4.25
I19	10 Nov 2016	7	15.37	62.11	7.5	33.30	8.0	24.6	4.74
I19	10 Nov 2016	8	15.33	63.36	7.0	33.29	8.0	24.6	4.70
I19	10 Nov 2016	9	14.75	61.04	7.2	33.28	8.0	24.7	4.58
I19	10 Nov 2016	10	14.95	52.37	6.7	33.28	8.0	24.7	4.72
I19	16 Nov 2016	1	17.62	73.97	9.2	33.32	8.2	24.1	4.04
I19	16 Nov 2016	2	17.49	73.69	9.1	33.31	8.2	24.1	5.06
I19	16 Nov 2016	3	17.18	71.09	8.8	33.30	8.2	24.2	5.14
I19	16 Nov 2016	4	17.09	69.63	8.8	33.31	8.2	24.2	4.95
I19	16 Nov 2016	5	17.06	68.29	8.9	33.30	8.2	24.2	5.89
I19	16 Nov 2016	6	16.99	66.85	8.8	33.30	8.2	24.2	7.11
I19	16 Nov 2016	7	16.95	67.64	8.8	33.30	8.2	24.2	6.32
I19	16 Nov 2016	8	16.87	66.12	9.0	33.30	8.2	24.2	6.11
I19	16 Nov 2016	9	16.81	69.10	8.9	33.30	8.2	24.3	4.83
I19	16 Nov 2016	10	16.74	73.33	8.6	33.29	8.2	24.3	4.22
I19	20 Nov 2016	1	16.25	76.72	8.0	33.32	8.2	24.4	5.20
I19	20 Nov 2016	2	16.20	76.66	8.1	33.31	8.2	24.4	5.42
I19	20 Nov 2016	3	16.06	75.00	8.1	33.31	8.2	24.4	5.05
I19	20 Nov 2016	4	16.00	70.35	8.1	33.31	8.1	24.4	4.95
I19	20 Nov 2016	5	15.96	68.16	8.1	33.31	8.1	24.5	4.47
I19	20 Nov 2016	6	15.91	67.08	7.8	33.30	8.1	24.5	3.76
I19	20 Nov 2016	7	15.85	65.50	7.2	33.30	8.1	24.5	3.35
I19	20 Nov 2016	8	15.83	64.11	6.4	33.30	8.1	24.5	3.52
I19	20 Nov 2016	9	15.64	63.73	5.9	33.28	8.1	24.5	3.93
I19	20 Nov 2016	10	15.30	62.87	6.1	33.26	8.1	24.6	3.70
I19	29 Nov 2016	1	15.71	68.62	8.2	33.28	8.2	24.5	2.45
I19	29 Nov 2016	2	15.72	68.23	8.2	33.28	8.2	24.5	3.09
I19	29 Nov 2016	3	15.71	68.25	8.0	33.28	8.2	24.5	4.54
I19	29 Nov 2016	4	15.64	71.24	7.9	33.29	8.2	24.5	5.16
I19	29 Nov 2016	5	15.62	73.13	8.0	33.30	8.2	24.5	5.53
I19	29 Nov 2016	6	15.60	72.69	7.9	33.30	8.2	24.5	6.20
I19	29 Nov 2016	7	15.60	72.36	8.0	33.30	8.2	24.5	6.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I19	29 Nov 2016	8	15.58	70.76	8.1	33.30	8.2	24.5	6.25
I19	29 Nov 2016	9	15.56	65.54	8.1	33.29	8.2	24.5	6.32
I19	29 Nov 2016	10	15.55	62.69	8.1	33.29	8.2	24.5	6.39
I24	01 Nov 2016	1	16.69	77.40	8.5	33.29	8.1	24.3	1.20
I24	01 Nov 2016	2	16.68	80.79	8.4	33.29	8.1	24.3	1.26
I24	01 Nov 2016	3	16.65	80.87	8.4	33.29	8.1	24.3	1.44
I24	01 Nov 2016	4	16.48	80.49	8.4	33.29	8.1	24.3	1.85
I24	01 Nov 2016	5	16.37	79.72	8.3	33.29	8.1	24.4	2.29
I24	01 Nov 2016	6	16.20	78.67	8.3	33.29	8.1	24.4	2.89
I24	01 Nov 2016	7	16.12	78.47	8.2	33.29	8.1	24.4	3.18
I24	01 Nov 2016	8	15.68	76.82	7.8	33.29	8.1	24.5	4.14
I24	01 Nov 2016	9	15.58	74.59	7.7	33.28	8.1	24.5	4.69
I24	01 Nov 2016	10	15.34	74.66	7.3	33.29	8.1	24.6	4.80
I24	01 Nov 2016	11	14.91	73.97	6.6	33.29	8.0	24.7	3.75
I24	10 Nov 2016	1	16.16	65.02	8.2	33.33	8.1	24.4	1.69
I24	10 Nov 2016	2	16.17	64.71	7.9	33.32	8.1	24.4	2.23
I24	10 Nov 2016	3	15.83	62.82	7.8	33.31	8.1	24.5	2.73
I24	10 Nov 2016	4	15.71	59.64	7.7	33.31	8.1	24.5	3.05
I24	10 Nov 2016	5	15.48	58.76	7.7	33.30	8.0	24.6	3.27
I24	10 Nov 2016	6	15.43	58.36	7.7	33.30	8.0	24.6	3.27
I24	10 Nov 2016	7	15.40	57.93	7.7	33.30	8.0	24.6	3.20
I24	10 Nov 2016	8	15.38	57.19	7.7	33.30	8.0	24.6	3.18
I24	10 Nov 2016	9	15.37	55.56	7.7	33.30	8.0	24.6	3.18
I24	10 Nov 2016	10	15.33	55.11	7.5	33.30	8.0	24.6	3.13
I24	16 Nov 2016	1	17.53	74.64	10.3	33.31	8.3	24.1	4.19
I24	16 Nov 2016	2	17.36	74.50	10.2	33.30	8.3	24.1	4.02
I24	16 Nov 2016	3	17.21	74.14	9.6	33.30	8.3	24.2	5.33
I24	16 Nov 2016	4	17.18	75.28	9.1	33.30	8.3	24.2	5.90
I24	16 Nov 2016	5	17.09	75.17	9.2	33.30	8.3	24.2	5.39
I24	16 Nov 2016	6	17.06	72.66	9.1	33.30	8.2	24.2	3.80
I24	16 Nov 2016	7	17.06	72.75	8.6	33.30	8.2	24.2	2.21
I24	16 Nov 2016	8	16.97	73.33	8.1	33.29	8.2	24.2	1.51
I24	16 Nov 2016	9	16.66	76.27	8.2	33.29	8.2	24.3	1.53
I24	16 Nov 2016	10	16.57	76.46	8.5	33.29	8.2	24.3	1.90
I24	16 Nov 2016	11	16.60	75.75	8.7	33.29	8.2	24.3	1.99
I24	20 Nov 2016	1	16.38	71.17	8.3	33.32	8.1	24.4	3.68
I24	20 Nov 2016	2	16.33	69.60	8.3	33.32	8.1	24.4	4.77
I24	20 Nov 2016	3	16.21	66.53	8.2	33.32	8.2	24.4	3.32
I24	20 Nov 2016	4	16.11	67.35	7.9	33.31	8.2	24.4	2.04
I24	20 Nov 2016	5	16.05	69.34	7.2	33.31	8.1	24.4	1.54
I24	20 Nov 2016	6	15.94	71.32	6.6	33.30	8.1	24.5	1.35
I24	20 Nov 2016	7	15.69	72.47	6.3	33.29	8.1	24.5	1.29
I24	20 Nov 2016	8	15.55	71.30	6.5	33.29	8.1	24.5	1.26
I24	20 Nov 2016	9	15.52	61.37	6.7	33.29	8.1	24.5	1.24
I24	29 Nov 2016	1	15.68	69.45	8.2	33.29	8.2	24.5	3.96
I24	29 Nov 2016	2	15.66	69.53	8.1	33.29	8.2	24.5	4.82
I24	29 Nov 2016	3	15.61	69.50	7.9	33.29	8.2	24.5	5.24
I24	29 Nov 2016	4	15.55	70.82	7.8	33.29	8.2	24.5	4.95
I24	29 Nov 2016	5	15.54	71.45	7.6	33.30	8.2	24.5	4.69
I24	29 Nov 2016	6	15.56	71.45	7.2	33.29	8.2	24.5	4.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I24	29 Nov 2016	7	15.50	68.68	7.2	33.29	8.2	24.5	4.59
I24	29 Nov 2016	8	15.44	65.28	7.4	33.30	8.1	24.6	4.68
I24	29 Nov 2016	9	15.47	65.18	7.3	33.30	8.1	24.6	4.52
I24	29 Nov 2016	10	15.44	64.82	7.3	33.30	8.1	24.6	4.44
I25	01 Nov 2016	1	16.64	80.72	7.6	33.27	8.1	24.3	2.59
I25	01 Nov 2016	2	16.62	80.75	8.0	33.28	8.1	24.3	2.19
I25	01 Nov 2016	3	16.56	79.94	8.2	33.30	8.1	24.3	1.78
I25	01 Nov 2016	4	16.49	79.38	8.2	33.31	8.1	24.3	1.98
I25	01 Nov 2016	5	16.24	78.76	8.2	33.31	8.1	24.4	2.43
I25	01 Nov 2016	6	16.02	78.55	8.2	33.30	8.1	24.4	2.85
I25	01 Nov 2016	7	15.94	78.40	8.1	33.30	8.1	24.4	3.31
I25	01 Nov 2016	8	15.72	77.68	8.0	33.29	8.1	24.5	3.47
I25	01 Nov 2016	9	15.34	76.53	7.3	33.31	8.1	24.6	3.63
I25	10 Nov 2016	1	16.63	73.74	8.2	33.33	8.1	24.3	1.51
I25	10 Nov 2016	2	16.56	73.58	8.1	33.33	8.1	24.3	2.38
I25	10 Nov 2016	3	16.44	73.28	8.0	33.32	8.1	24.4	3.14
I25	10 Nov 2016	4	16.21	71.47	7.8	33.31	8.1	24.4	3.18
I25	10 Nov 2016	5	16.06	70.04	7.6	33.30	8.1	24.4	3.09
I25	10 Nov 2016	6	15.71	69.86	7.5	33.29	8.1	24.5	3.02
I25	10 Nov 2016	7	15.43	64.05	7.6	33.29	8.1	24.6	2.97
I25	10 Nov 2016	8	15.39	49.77	7.7	33.30	8.0	24.6	3.07
I25	10 Nov 2016	9	15.34	52.07	7.6	33.29	8.0	24.6	3.17
I25	16 Nov 2016	1	17.45	76.33	10.1	33.31	8.3	24.1	2.09
I25	16 Nov 2016	2	17.47	76.48	10.0	33.30	8.3	24.1	2.33
I25	16 Nov 2016	3	17.23	76.70	9.9	33.31	8.3	24.2	2.67
I25	16 Nov 2016	4	17.16	76.76	9.9	33.31	8.3	24.2	2.85
I25	16 Nov 2016	5	17.13	75.18	9.8	33.30	8.3	24.2	2.81
I25	16 Nov 2016	6	17.12	75.27	9.0	33.31	8.3	24.2	2.31
I25	16 Nov 2016	7	17.05	76.02	8.1	33.29	8.3	24.2	1.74
I25	16 Nov 2016	8	16.71	75.48	8.2	33.29	8.2	24.3	1.59
I25	16 Nov 2016	9	16.59	75.61	8.6	33.29	8.2	24.3	1.84
I25	20 Nov 2016	1	16.44	78.01	8.5	33.32	8.2	24.4	1.19
I25	20 Nov 2016	2	16.39	77.95	8.5	33.31	8.2	24.4	1.29
I25	20 Nov 2016	3	16.32	78.35	8.3	33.32	8.2	24.4	1.53
I25	20 Nov 2016	4	16.29	78.57	8.1	33.31	8.2	24.4	1.68
I25	20 Nov 2016	5	16.17	79.05	7.8	33.31	8.2	24.4	1.72
I25	20 Nov 2016	6	16.05	78.93	7.6	33.31	8.2	24.4	1.58
I25	20 Nov 2016	7	16.03	76.56	7.0	33.31	8.2	24.4	1.27
I25	20 Nov 2016	8	15.91	72.01	6.2	33.30	8.1	24.5	1.12
I25	20 Nov 2016	9	15.52	70.46	6.3	33.28	8.1	24.5	1.10
I25	29 Nov 2016	1	15.75	71.87	8.3	33.29	8.2	24.5	2.33
I25	29 Nov 2016	2	15.75	71.53	8.3	33.29	8.2	24.5	3.38
I25	29 Nov 2016	3	15.74	71.79	8.2	33.29	8.2	24.5	4.76
I25	29 Nov 2016	4	15.67	71.89	7.9	33.29	8.2	24.5	5.38
I25	29 Nov 2016	5	15.56	71.65	7.6	33.29	8.2	24.5	4.83
I25	29 Nov 2016	6	15.51	70.61	7.4	33.29	8.2	24.5	4.12
I25	29 Nov 2016	7	15.47	70.06	7.3	33.29	8.2	24.6	4.19
I25	29 Nov 2016	8	15.45	70.64	7.5	33.30	8.1	24.6	4.36
I25	29 Nov 2016	9	15.45	70.70	7.5	33.30	8.1	24.6	4.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I26	01 Nov 2016	1	16.21	77.32	7.9	33.28	8.1	24.4	1.61
I26	01 Nov 2016	2	16.21	76.58	8.1	33.29	8.1	24.4	1.75
I26	01 Nov 2016	3	16.21	78.39	8.0	33.29	8.1	24.4	1.76
I26	01 Nov 2016	4	16.19	78.52	8.1	33.30	8.1	24.4	1.81
I26	01 Nov 2016	5	16.09	77.93	8.1	33.31	8.1	24.4	1.95
I26	01 Nov 2016	6	15.99	78.00	8.1	33.30	8.1	24.4	2.32
I26	01 Nov 2016	7	15.93	78.26	8.1	33.29	8.1	24.5	2.72
I26	01 Nov 2016	8	15.57	78.66	8.1	33.33	8.1	24.6	3.02
I26	01 Nov 2016	9	15.43	80.76	7.9	33.29	8.1	24.6	3.19
I26	10 Nov 2016	1	16.53	78.16	8.5	33.31	8.1	24.3	1.39
I26	10 Nov 2016	2	16.26	77.94	8.5	33.31	8.1	24.4	1.73
I26	10 Nov 2016	3	16.16	77.11	8.5	33.31	8.1	24.4	2.29
I26	10 Nov 2016	4	16.11	76.54	8.4	33.30	8.1	24.4	3.76
I26	10 Nov 2016	5	15.90	76.59	7.9	33.29	8.1	24.5	4.56
I26	10 Nov 2016	6	15.49	75.89	7.4	33.28	8.1	24.5	3.75
I26	10 Nov 2016	7	15.24	73.46	6.7	33.28	8.1	24.6	2.73
I26	10 Nov 2016	8	15.02	65.12	6.7	33.28	8.1	24.6	2.51
I26	10 Nov 2016	9	15.00	57.63	6.9	33.28	8.0	24.6	2.52
I26	16 Nov 2016	1	17.56	69.13	9.7	33.33	8.3	24.1	4.87
I26	16 Nov 2016	2	17.37	70.65	9.8	33.32	8.3	24.1	6.80
I26	16 Nov 2016	3	17.21	66.31	9.3	33.32	8.3	24.2	5.39
I26	16 Nov 2016	4	17.14	64.86	8.8	33.31	8.3	24.2	4.55
I26	16 Nov 2016	5	17.06	66.67	8.9	33.31	8.2	24.2	4.21
I26	16 Nov 2016	6	17.02	69.85	8.8	33.31	8.2	24.2	3.61
I26	16 Nov 2016	7	16.77	73.45	8.7	33.30	8.2	24.3	3.05
I26	16 Nov 2016	8	16.59	77.37	8.3	33.29	8.2	24.3	2.34
I26	16 Nov 2016	9	16.44	75.57	8.2	33.28	8.2	24.3	2.16
I26	20 Nov 2016	1	16.18	82.71	8.4	33.31	8.2	24.4	0.69
I26	20 Nov 2016	2	16.19	82.95	8.2	33.31	8.2	24.4	0.81
I26	20 Nov 2016	3	16.20	82.75	8.0	33.31	8.2	24.4	0.99
I26	20 Nov 2016	4	16.10	83.05	7.7	33.30	8.2	24.4	1.06
I26	20 Nov 2016	5	15.98	82.96	7.4	33.30	8.2	24.4	1.05
I26	20 Nov 2016	6	15.91	82.06	6.9	33.30	8.2	24.5	0.99
I26	20 Nov 2016	7	15.73	80.64	6.6	33.28	8.2	24.5	0.99
I26	20 Nov 2016	8	15.53	76.63	6.7	33.29	8.1	24.5	0.99
I26	20 Nov 2016	9	15.53	72.27	7.0	33.28	8.1	24.5	1.00
I26	29 Nov 2016	1	15.79	68.31	8.2	33.28	8.2	24.5	2.67
I26	29 Nov 2016	2	15.75	68.00	8.2	33.28	8.2	24.5	3.50
I26	29 Nov 2016	3	15.68	68.20	8.1	33.27	8.2	24.5	4.86
I26	29 Nov 2016	4	15.57	69.30	8.0	33.27	8.2	24.5	5.16
I26	29 Nov 2016	5	15.56	69.32	7.6	33.27	8.2	24.5	4.45
I26	29 Nov 2016	6	15.52	68.82	7.4	33.28	8.2	24.5	4.16
I26	29 Nov 2016	7	15.50	69.70	7.4	33.29	8.2	24.5	4.09
I26	29 Nov 2016	8	15.49	70.21	7.4	33.29	8.1	24.5	4.32
I26	29 Nov 2016	9	15.49	69.44	7.5	33.29	8.1	24.5	4.13
I32	03 Nov 2016	1	15.76	74.13	7.7	33.34	8.0	24.5	1.08
I32	03 Nov 2016	2	15.55	70.45	7.5	33.38	8.0	24.6	1.10
I32	03 Nov 2016	3	15.09	66.14	7.3	33.43	8.0	24.7	1.09
I32	03 Nov 2016	4	14.91	68.07	7.0	33.49	8.0	24.8	1.05
I32	03 Nov 2016	5	14.77	66.51	6.9	33.46	8.0	24.8	1.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I32	03 Nov 2016	6	14.68	65.19	6.7	33.38	8.0	24.8	1.31
I32	03 Nov 2016	7	14.61	65.95	6.3	33.33	8.0	24.8	2.66
I32	03 Nov 2016	8	14.57	68.21	6.1	33.31	8.0	24.8	4.80
I32	03 Nov 2016	9	14.55	67.51	6.1	33.30	7.9	24.8	5.80
I32	03 Nov 2016	10	14.55	66.69	6.0	33.29	7.9	24.8	6.15
I32	10 Nov 2016	1	16.39	72.77	8.3	33.32	8.1	24.4	1.71
I32	10 Nov 2016	2	16.33	72.62	8.3	33.31	8.1	24.4	2.30
I32	10 Nov 2016	3	16.11	71.16	8.4	33.31	8.1	24.4	2.58
I32	10 Nov 2016	4	16.05	70.65	8.4	33.31	8.1	24.4	3.22
I32	10 Nov 2016	5	16.03	65.11	8.3	33.31	8.1	24.4	3.74
I32	10 Nov 2016	6	15.99	61.70	8.3	33.31	8.1	24.4	3.97
I32	10 Nov 2016	7	15.96	58.13	8.2	33.30	8.1	24.5	4.04
I32	10 Nov 2016	8	15.91	52.36	8.0	33.30	8.1	24.5	4.26
I32	10 Nov 2016	9	15.82	49.40	7.9	33.30	8.0	24.5	4.25
I32	16 Nov 2016	1	17.73	74.86	9.3	33.32	8.2	24.1	1.62
I32	16 Nov 2016	2	17.62	75.37	8.6	33.32	8.2	24.1	1.67
I32	16 Nov 2016	3	17.40	75.21	8.2	33.31	8.2	24.1	2.49
I32	16 Nov 2016	4	17.13	74.18	8.1	33.31	8.2	24.2	2.79
I32	16 Nov 2016	5	16.97	68.45	8.0	33.30	8.2	24.2	2.74
I32	16 Nov 2016	6	16.77	64.30	8.0	33.30	8.2	24.3	3.66
I32	16 Nov 2016	7	16.54	67.44	7.8	33.29	8.2	24.3	9.02
I32	16 Nov 2016	8	16.53	71.44	7.4	33.29	8.2	24.3	14.65
I32	16 Nov 2016	9	16.39	64.44	7.4	33.29	8.2	24.3	11.91
I32	16 Nov 2016	10	16.37	43.13	7.6	33.29	8.1	24.4	12.72
I32	20 Nov 2016	1	16.36	67.45	8.1	33.31	8.1	24.4	4.83
I32	20 Nov 2016	2	16.29	66.39	8.1	33.31	8.1	24.4	5.16
I32	20 Nov 2016	3	16.20	63.45	8.1	33.31	8.1	24.4	5.46
I32	20 Nov 2016	4	16.17	62.50	8.0	33.31	8.1	24.4	5.70
I32	20 Nov 2016	5	16.12	61.42	7.9	33.30	8.1	24.4	6.34
I32	20 Nov 2016	6	16.02	59.26	7.7	33.30	8.1	24.4	6.76
I32	20 Nov 2016	7	16.02	56.33	7.4	33.31	8.1	24.4	7.09
I32	20 Nov 2016	8	15.95	54.00	7.4	33.30	8.1	24.5	7.16
I32	20 Nov 2016	9	15.88	54.08	7.5	33.30	8.1	24.5	7.11
I32	20 Nov 2016	10	15.86	56.51	7.6	33.30	8.1	24.5	6.83
I32	29 Nov 2016	1	15.94	52.57	8.2	33.31	8.2	24.5	4.67
I32	29 Nov 2016	2	15.93	58.25	8.1	33.30	8.2	24.5	5.65
I32	29 Nov 2016	3	15.77	58.30	8.1	33.30	8.2	24.5	6.43
I32	29 Nov 2016	4	15.68	60.75	8.0	33.30	8.2	24.5	6.75
I32	29 Nov 2016	5	15.61	62.57	7.9	33.29	8.2	24.5	6.96
I32	29 Nov 2016	6	15.56	65.66	7.8	33.29	8.2	24.5	6.75
I32	29 Nov 2016	7	15.55	66.43	7.4	33.29	8.2	24.5	5.90
I32	29 Nov 2016	8	15.53	67.61	6.9	33.29	8.2	24.5	5.77
I32	29 Nov 2016	9	15.47	63.38	7.0	33.29	8.2	24.5	6.39
I32	29 Nov 2016	10	15.43	38.15	7.5	33.29	8.1	24.6	6.71
I39	01 Nov 2016	1	16.69	82.90	8.0	33.29	8.1	24.3	1.24
I39	01 Nov 2016	2	16.69	82.99	8.2	33.29	8.1	24.3	1.21
I39	01 Nov 2016	3	16.67	82.88	8.3	33.30	8.1	24.3	1.27
I39	01 Nov 2016	4	16.26	82.17	8.2	33.37	8.1	24.4	1.46
I39	01 Nov 2016	5	15.67	81.74	8.0	33.33	8.0	24.5	2.07
I39	01 Nov 2016	6	15.41	81.82	7.8	33.32	8.0	24.6	2.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I39	01 Nov 2016	7	15.17	81.95	7.7	33.29	8.0	24.6	2.99
I39	01 Nov 2016	8	15.10	81.77	7.6	33.28	8.0	24.6	3.39
I39	01 Nov 2016	9	15.10	81.71	7.6	33.27	8.0	24.6	3.59
I39	01 Nov 2016	10	15.05	81.66	7.3	33.28	8.0	24.6	3.58
I39	01 Nov 2016	11	14.98	81.08	7.2	33.28	8.0	24.6	3.54
I39	01 Nov 2016	12	14.91	80.20	7.0	33.29	8.0	24.7	3.69
I39	01 Nov 2016	13	14.85	79.76	6.9	33.29	8.0	24.7	3.83
I39	01 Nov 2016	14	14.77	78.75	6.8	33.29	7.9	24.7	3.65
I39	01 Nov 2016	15	14.68	78.29	6.7	33.30	7.9	24.7	3.40
I39	01 Nov 2016	16	14.59	78.07	6.6	33.29	7.9	24.7	3.00
I39	01 Nov 2016	17	14.44	77.42	6.5	33.29	7.9	24.8	2.36
I39	01 Nov 2016	18	14.38	74.29	6.4	33.29	7.9	24.8	1.66
I39	10 Nov 2016	1	16.96	83.62	8.6	33.33	8.1	24.2	0.75
I39	10 Nov 2016	2	16.90	83.66	8.6	33.32	8.1	24.3	0.90
I39	10 Nov 2016	3	16.75	83.46	8.7	33.32	8.1	24.3	1.13
I39	10 Nov 2016	4	16.73	82.89	8.7	33.32	8.1	24.3	1.35
I39	10 Nov 2016	5	16.72	82.48	8.7	33.32	8.1	24.3	1.66
I39	10 Nov 2016	6	16.72	82.21	8.7	33.32	8.1	24.3	2.12
I39	10 Nov 2016	7	16.71	82.22	8.7	33.32	8.1	24.3	2.65
I39	10 Nov 2016	8	16.68	82.01	8.6	33.32	8.1	24.3	3.19
I39	10 Nov 2016	9	16.23	81.68	8.5	33.29	8.1	24.4	3.36
I39	10 Nov 2016	10	15.94	80.94	8.4	33.29	8.1	24.4	3.78
I39	10 Nov 2016	11	15.81	79.20	8.2	33.29	8.1	24.5	4.02
I39	10 Nov 2016	12	15.61	78.07	8.0	33.28	8.1	24.5	3.90
I39	10 Nov 2016	13	15.47	78.38	7.3	33.27	8.1	24.5	3.71
I39	10 Nov 2016	14	15.03	76.67	7.2	33.25	8.1	24.6	3.67
I39	10 Nov 2016	15	14.72	73.32	7.3	33.26	8.1	24.7	3.57
I39	10 Nov 2016	16	14.67	73.43	6.9	33.26	8.1	24.7	3.06
I39	10 Nov 2016	17	14.49	71.74	6.4	33.25	8.1	24.7	2.85
I39	10 Nov 2016	18	14.18	67.49	6.6	33.26	8.0	24.8	3.02
I39	16 Nov 2016	1	17.57	82.14	10.2	33.30	8.3	24.1	0.85
I39	16 Nov 2016	2	17.41	82.55	10.1	33.30	8.3	24.1	0.98
I39	16 Nov 2016	3	17.29	83.18	9.6	33.30	8.3	24.1	1.39
I39	16 Nov 2016	4	17.24	82.99	9.0	33.30	8.3	24.1	1.71
I39	16 Nov 2016	5	17.00	82.77	8.8	33.28	8.3	24.2	2.94
I39	16 Nov 2016	6	16.59	82.86	8.4	33.27	8.2	24.3	4.22
I39	16 Nov 2016	7	16.31	83.06	8.3	33.23	8.2	24.3	3.85
I39	16 Nov 2016	8	15.98	82.61	8.4	33.22	8.2	24.4	4.12
I39	16 Nov 2016	9	15.94	83.53	8.3	33.24	8.2	24.4	5.05
I39	16 Nov 2016	10	15.87	83.50	8.2	33.24	8.2	24.4	4.37
I39	16 Nov 2016	11	15.78	82.60	8.1	33.26	8.2	24.5	3.21
I39	16 Nov 2016	12	15.75	81.64	8.1	33.26	8.2	24.5	2.96
I39	16 Nov 2016	13	15.73	81.10	8.1	33.26	8.1	24.5	2.94
I39	16 Nov 2016	14	15.73	81.23	8.1	33.26	8.1	24.5	2.89
I39	16 Nov 2016	15	15.73	81.21	8.1	33.26	8.1	24.5	2.73
I39	16 Nov 2016	16	15.73	80.98	8.1	33.26	8.1	24.5	2.39
I39	16 Nov 2016	17	15.73	81.20	8.1	33.26	8.1	24.5	2.05
I39	16 Nov 2016	18	15.73	81.14	8.1	33.27	8.1	24.5	2.06
I39	20 Nov 2016	1	16.47	82.60	8.4	33.32	8.2	24.3	1.26
I39	20 Nov 2016	2	16.28	82.24	8.3	33.31	8.2	24.4	1.39
I39	20 Nov 2016	3	16.16	81.22	8.1	33.32	8.2	24.4	1.28
I39	20 Nov 2016	4	16.08	81.02	7.8	33.30	8.2	24.4	1.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I39	20 Nov 2016	5	15.86	82.29	7.7	33.28	8.2	24.5	1.32
I39	20 Nov 2016	6	15.63	83.40	7.6	33.28	8.2	24.5	1.29
I39	20 Nov 2016	7	15.54	83.92	7.6	33.28	8.2	24.5	1.32
I39	20 Nov 2016	8	15.42	84.27	7.6	33.27	8.2	24.6	1.35
I39	20 Nov 2016	9	15.35	84.45	7.4	33.27	8.1	24.6	1.33
I39	20 Nov 2016	10	15.25	84.71	7.3	33.26	8.1	24.6	1.27
I39	20 Nov 2016	11	15.05	84.84	7.1	33.26	8.1	24.6	1.15
I39	20 Nov 2016	12	15.02	84.91	6.8	33.26	8.1	24.6	1.16
I39	20 Nov 2016	13	14.96	84.67	6.6	33.26	8.1	24.6	1.11
I39	20 Nov 2016	14	14.84	83.93	6.5	33.26	8.1	24.7	0.97
I39	20 Nov 2016	15	14.71	83.59	6.5	33.26	8.1	24.7	0.96
I39	20 Nov 2016	16	14.63	83.59	6.6	33.26	8.1	24.7	0.92
I39	20 Nov 2016	17	14.56	77.78	6.7	33.26	8.1	24.7	0.96
I39	20 Nov 2016	18	14.56	72.00	6.7	33.26	8.1	24.7	0.96
I39	29 Nov 2016	1	15.66	78.64	8.0	33.30	8.2	24.5	1.67
I39	29 Nov 2016	2	15.66	78.06	8.0	33.30	8.2	24.5	2.56
I39	29 Nov 2016	3	15.59	78.07	7.9	33.30	8.2	24.5	3.38
I39	29 Nov 2016	4	15.54	78.25	7.9	33.30	8.2	24.5	3.80
I39	29 Nov 2016	5	15.54	78.66	7.9	33.30	8.2	24.5	3.94
I39	29 Nov 2016	6	15.53	79.05	7.8	33.30	8.2	24.5	4.14
I39	29 Nov 2016	7	15.52	79.20	7.8	33.31	8.2	24.6	4.17
I39	29 Nov 2016	8	15.52	80.10	7.8	33.31	8.2	24.6	4.21
I39	29 Nov 2016	9	15.51	80.40	7.6	33.31	8.2	24.6	4.41
I39	29 Nov 2016	10	15.46	80.77	7.5	33.31	8.2	24.6	4.34
I39	29 Nov 2016	11	15.41	81.03	7.3	33.30	8.2	24.6	4.22
I39	29 Nov 2016	12	15.33	81.17	7.3	33.29	8.1	24.6	4.05
I39	29 Nov 2016	13	15.29	81.72	7.3	33.30	8.1	24.6	4.03
I39	29 Nov 2016	14	15.29	81.85	7.2	33.30	8.1	24.6	3.83
I39	29 Nov 2016	15	15.29	81.81	7.2	33.30	8.1	24.6	3.46
I39	29 Nov 2016	16	15.28	80.97	7.0	33.30	8.1	24.6	3.08
I39	29 Nov 2016	17	15.26	80.57	7.0	33.29	8.1	24.6	2.74
I39	29 Nov 2016	18	15.23	78.83	7.0	33.29	8.1	24.6	2.80
I40	01 Nov 2016	1	15.39	66.57	7.5	33.29	8.0	24.6	1.48
I40	01 Nov 2016	2	15.40	66.40	7.5	33.29	8.0	24.6	1.45
I40	01 Nov 2016	3	15.37	66.46	7.5	33.29	8.0	24.6	1.87
I40	01 Nov 2016	4	15.36	65.93	7.5	33.29	8.0	24.6	2.34
I40	01 Nov 2016	5	15.34	65.33	7.4	33.29	8.0	24.6	2.62
I40	01 Nov 2016	6	15.32	65.40	7.3	33.29	8.0	24.6	2.77
I40	01 Nov 2016	7	15.30	65.74	7.1	33.29	7.9	24.6	2.91
I40	01 Nov 2016	8	14.88	66.50	6.5	33.29	7.9	24.7	3.76
I40	01 Nov 2016	9	14.68	67.98	6.2	33.28	7.9	24.7	3.83
I40	01 Nov 2016	10	14.65	62.12	6.0	33.28	7.9	24.7	3.55
I40	10 Nov 2016	1	15.56	68.27	8.0	33.31	8.0	24.6	2.23
I40	10 Nov 2016	2	15.55	68.29	8.0	33.31	8.0	24.6	2.65
I40	10 Nov 2016	3	15.53	68.00	8.0	33.31	8.0	24.6	2.96
I40	10 Nov 2016	4	15.52	67.53	8.0	33.31	8.0	24.6	3.27
I40	10 Nov 2016	5	15.52	67.82	8.1	33.31	8.0	24.6	3.45
I40	10 Nov 2016	6	15.51	66.74	8.0	33.31	8.0	24.6	3.05
I40	10 Nov 2016	7	15.50	66.74	7.4	33.31	8.0	24.6	2.76
I40	10 Nov 2016	8	15.25	60.20	6.7	33.29	8.0	24.6	2.74
I40	10 Nov 2016	9	14.96	50.94	6.6	33.28	8.0	24.7	2.82
I40	10 Nov 2016	10	14.87	31.26	6.7	33.28	8.0	24.7	2.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I40	16 Nov 2016	1	17.61	76.13	9.1	33.31	8.3	24.1	1.93
I40	16 Nov 2016	2	17.56	74.35	8.5	33.30	8.3	24.1	2.55
I40	16 Nov 2016	3	17.33	71.38	8.2	33.31	8.2	24.1	3.06
I40	16 Nov 2016	4	17.30	69.67	8.2	33.31	8.2	24.1	3.47
I40	16 Nov 2016	5	17.25	68.99	8.2	33.31	8.2	24.2	2.75
I40	16 Nov 2016	6	17.20	68.12	8.2	33.31	8.2	24.2	2.88
I40	16 Nov 2016	7	17.16	69.97	8.3	33.31	8.2	24.2	3.55
I40	16 Nov 2016	8	17.14	69.25	8.5	33.31	8.2	24.2	2.57
I40	16 Nov 2016	9	17.11	68.45	8.7	33.31	8.2	24.2	2.11
I40	16 Nov 2016	10	17.09	72.06	8.5	33.30	8.2	24.2	2.71
I40	20 Nov 2016	1	15.92	60.80	7.9	33.31	8.1	24.5	4.30
I40	20 Nov 2016	2	15.90	60.65	7.9	33.31	8.1	24.5	4.34
I40	20 Nov 2016	3	15.88	59.77	7.8	33.31	8.1	24.5	4.15
I40	20 Nov 2016	4	15.88	58.48	7.8	33.31	8.1	24.5	4.07
I40	20 Nov 2016	5	15.88	58.63	7.7	33.31	8.1	24.5	3.83
I40	20 Nov 2016	6	15.86	58.84	7.6	33.31	8.1	24.5	3.16
I40	20 Nov 2016	7	15.85	59.34	7.3	33.31	8.1	24.5	2.50
I40	20 Nov 2016	8	15.82	60.91	6.7	33.31	8.1	24.5	3.11
I40	20 Nov 2016	9	15.74	62.54	5.8	33.30	8.1	24.5	3.74
I40	20 Nov 2016	10	15.43	61.51	5.9	33.28	8.1	24.6	3.36
I40	29 Nov 2016	1	15.69	58.59	8.1	33.30	8.1	24.5	5.33
I40	29 Nov 2016	2	15.68	58.54	8.1	33.30	8.1	24.5	5.60
I40	29 Nov 2016	3	15.66	57.59	8.2	33.30	8.1	24.5	5.85
I40	29 Nov 2016	4	15.64	57.69	8.2	33.30	8.1	24.5	5.82
I40	29 Nov 2016	5	15.64	58.14	8.1	33.30	8.1	24.5	5.93
I40	29 Nov 2016	6	15.63	58.58	8.1	33.30	8.2	24.5	6.09
I40	29 Nov 2016	7	15.62	58.23	8.0	33.30	8.2	24.5	5.70
I40	29 Nov 2016	8	15.58	58.24	7.8	33.30	8.2	24.5	5.42
I40	29 Nov 2016	9	15.54	57.88	7.8	33.30	8.1	24.5	5.78
I40	29 Nov 2016	10	15.51	55.02	7.9	33.30	8.1	24.6	5.76

NA = not available

Offshore Stations

Table 4.1

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria at the SBOO offshore stations within three nautical miles of shore. Total coliform density shall not exceed 10,000 CFU/100 mL.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
01 Nov 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
03 Nov 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 4.2

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria at the SBOO offshore stations within three nautical miles of shore. Fecal coliform density shall not exceed 400 CFU/100 mL.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
01 Nov 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
03 Nov 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 4.3

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

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
01 Nov 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
03 Nov 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 4.4

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T) at the SBOO offshore stations within three nautical miles of shore. Total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
01 Nov 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
03 Nov 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance
E = Exceedance
ns = not sampled

Table 4.5

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

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I3	02 Nov 2016	952	2	<2	<2	<2	1.00	17.0	84.07	8.7	33.29	8.2	<0.2	<0.2
I3	02 Nov 2016	952	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I3	02 Nov 2016	952	18	<2	<2	<2	1.00	13.8	83.39	6.9	33.28	8.0	ns	<0.2
I3	02 Nov 2016	952	27	<2	<2	<2	1.00	13.7	84.04	6.7	33.28	8.0	ns	<0.2
I5	02 Nov 2016	1031	2	<2	<2	<2	1.00	16.1	77.76	8.2	33.29	8.1	<0.2	<0.2
I5	02 Nov 2016	1031	6	<2	<2	<2	1.00	15.3	70.20	7.9	33.28	8.1	ns	<0.2
I5	02 Nov 2016	1031	11	<2	<2	<2	1.00	14.5	68.59	6.9	33.27	8.0	ns	3.2
I7	02 Nov 2016	838	2	<2	<2	<2	1.00	16.8	85.41	8.4	33.34	8.2	<0.2	<0.2
I7	02 Nov 2016	838	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I7	02 Nov 2016	838	18	<2	<2	<2	1.00	14.0	85.57	7.3	33.27	8.1	ns	<0.2
I7	02 Nov 2016	838	52	6e	<2	<2	0.33	12.6	86.29	6.1	33.33	8.0	ns	<0.2
I8	02 Nov 2016	1152	2	<2	<2	<2	1.00	17.3	86.11	8.4	33.34	8.2	<0.2	<0.2
I8	02 Nov 2016	1152	18	<2	<2	<2	1.00	14.5	82.04	7.7	33.28	8.1	ns	<0.2
I8	02 Nov 2016	1152	37	<2	<2	<2	1.00	13.3	79.14	6.3	33.31	8.0	ns	3.3
I9	02 Nov 2016	1134	2	<2	<2	<2	1.00	17.2	85.03	8.7	33.30	8.2	<0.2	<0.2
I9	02 Nov 2016	1134	18	<2	<2	<2	1.00	15.9	83.05	8.5	33.29	8.2	ns	<0.2
I9	02 Nov 2016	1134	27	<2	<2	<2	1.00	13.6	86.17	6.6	33.29	8.0	ns	<0.2
I10	02 Nov 2016	1119	2	<2	<2	<2	1.00	16.8	82.40	8.4	33.30	8.2	<0.2	3.3
I10	02 Nov 2016	1119	12	<2	2e	<2	1.00	14.3	80.21	7.2	33.27	8.1	ns	2.9
I10	02 Nov 2016	1119	18	<2	<2	<2	1.00	14.0	79.50	6.7	33.28	8.0	ns	<0.2
I11	02 Nov 2016	1107	2	<2	<2	<2	1.00	16.4	78.90	8.2	33.29	8.1	<0.2	<0.2
I11	02 Nov 2016	1107	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I11	02 Nov 2016	1107	6	<2	<2	<2	1.00	15.1	77.92	7.9	33.27	8.1	ns	<0.2
I11	02 Nov 2016	1107	11	<2	<2	<2	1.00	14.4	76.49	6.9	33.27	8.1	ns	2.7
I12	01 Nov 2016	1038	2	<2	<2	<2	1.00	16.9	83.10	8.8	33.29	8.2	<0.2	<0.2
I12	01 Nov 2016	1038	18	62	24e	6e	0.39	14.8	81.94	7.3	33.17	8.0	ns	<0.2
I12	01 Nov 2016	1038	27	8e	<2	<2	0.25	13.8	83.71	6.7	33.28	8.0	ns	<0.2
I13	02 Nov 2016	1208	2	<2	<2	<2	1.00	17.2	86.17	8.4	33.34	8.2	<0.2	<0.2
I13	02 Nov 2016	1208	18	<2	<2	<2	1.00	14.3	81.75	7.4	33.28	8.1	ns	<0.2
I13	02 Nov 2016	1208	37	<2	<2	<2	1.00	13.1	83.73	6.1	33.31	8.0	ns	<0.2
I14	01 Nov 2016	1056	2	6e	2e	<2	0.33	16.9	83.88	8.8	33.30	8.2	<0.2	<0.2
I14	01 Nov 2016	1056	18	20e	6e	2e	0.30	14.7	81.33	7.2	33.25	8.0	ns	<0.2
I14	01 Nov 2016	1056	27	<2	<2	<2	1.00	13.8	81.98	6.7	33.28	8.0	ns	<0.2
I16	01 Nov 2016	1028	2	<2	<2	<2	1.00	16.9	84.00	8.8	33.30	8.2	<0.2	<0.2
I16	01 Nov 2016	1028	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	2.9*
I16	01 Nov 2016	1028	18	28e	6e	2e	0.21	15.5	79.88	7.5	33.26	8.1	ns	3.2

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I16	01 Nov 2016	1028	27	4e	<2	<2	0.50	13.8	82.19	6.7	33.28	8.0	ns	5.5
I18	01 Nov 2016	1007	2	<2	<2	<2	1.00	16.8	84.36	8.6	33.30	8.2	<0.2	<0.2
I18	01 Nov 2016	1007	12	<2	<2	<2	1.00	14.4	78.40	7.3	33.28	8.0	ns	2.8
I18	01 Nov 2016	1007	18	2e	<2	<2	1.00	14.1	80.39	6.8	33.28	8.0	ns	3.3
I20	02 Nov 2016	814	2	<2	<2	2e	1.00	16.7	85.30	8.4	33.33	8.2	<0.2	<0.2
I20	02 Nov 2016	814	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I20	02 Nov 2016	814	18	<2	<2	<2	1.00	14.2	85.46	7.4	33.27	8.1	ns	<0.2
I20	02 Nov 2016	814	55	22e	<2	<2	0.09	12.3	87.38	6.0	33.34	7.9	ns	<0.2
I21	02 Nov 2016	1225	2	<2	<2	<2	1.00	17.3	86.07	8.4	33.34	8.2	<0.2	<0.2
I21	02 Nov 2016	1225	18	<2	<2	<2	1.00	13.9	84.57	7.0	33.28	8.1	ns	<0.2
I21	02 Nov 2016	1225	37	<2	<2	<2	1.00	13.0	86.99	6.2	33.32	8.0	ns	<0.2
I22	01 Nov 2016	1106	2	2e	<2	<2	1.00	17.0	83.72	8.7	33.30	8.2	<0.2	<0.2
I22	01 Nov 2016	1106	18	6e	4e	<2	0.67	14.5	82.39	7.1	33.24	8.0	ns	<0.2
I22	01 Nov 2016	1106	27	2e	<2	<2	1.00	13.8	80.04	6.6	33.28	8.0	ns	5.4
I23	01 Nov 2016	1118	2	<2	<2	<2	1.00	17.0	83.78	8.6	33.30	8.1	<0.2	<0.2
I23	01 Nov 2016	1118	12	20e	2e	<2	0.10	14.7	77.49	6.9	33.26	8.0	ns	<0.2
I23	01 Nov 2016	1118	18	4e	<2	2e	0.50	14.2	75.04	6.5	33.28	8.0	ns	3.3
I30	03 Nov 2016	1043	2	<2	<2	<2	1.00	16.4	79.42	8.2	33.32	8.1	<0.2	<0.2
I30	03 Nov 2016	1043	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I30	03 Nov 2016	1043	18	<2	<2	<2	1.00	14.2	83.03	7.1	33.28	8.0	ns	<0.2
I30	03 Nov 2016	1043	27	8e	<2	<2	0.25	13.5	78.62	6.3	33.30	8.0	ns	2.6
I33	03 Nov 2016	946	2	<2	<2	<2	1.00	16.0	84.62	8.4	33.18	8.1	<0.2	<0.2
I33	03 Nov 2016	946	18	14e	2e	<2	0.14	13.9	85.18	7.1	33.28	8.0	ns	<0.2
I33	03 Nov 2016	946	27	2e	<2	<2	1.00	13.1	87.75	6.5	33.30	8.0	ns	<0.2
I36	03 Nov 2016	1144	2	<2	<2	<2	1.00	16.3	80.00	8.6	33.30	8.1	<0.2	<0.2
I36	03 Nov 2016	1144	6	<2	<2	<2	1.00	15.7	70.98	8.2	33.29	8.1	ns	<0.2
I36	03 Nov 2016	1144	11	8e	<2	<2	0.25	14.9	61.63	5.8	33.28	7.9	ns	3.0
I37	03 Nov 2016	911	2	<2	<2	<2	1.00	15.9	85.17	8.4	33.30	8.1	<0.2	<0.2
I37	03 Nov 2016	911	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I37	03 Nov 2016	911	6	<2	<2	<2	1.00	15.8	84.30	8.3	33.30	8.1	ns	<0.2
I37	03 Nov 2016	911	11	<2	<2	<2	1.00	15.7	84.23	8.0	33.31	8.1	ns	<0.2
I38	03 Nov 2016	1217	2	<2	<2	<2	1.00	16.5	80.80	8.6	33.30	8.1	<0.2	<0.2
I38	03 Nov 2016	1217	6	<2	<2	<2	1.00	16.1	76.59	8.3	33.29	8.1	ns	<0.2
I38	03 Nov 2016	1217	11	<2	<2	<2	1.00	14.9	68.76	6.7	33.28	8.0	ns	<0.2

ns = not sampled
ND = no data

Table 4.6

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

Station	Date	Parameter	Value
I1	02 Nov 2016	Depth (m)	60
I1	02 Nov 2016	Arrive Time	903
I1	02 Nov 2016	Depart Time	908
I1	02 Nov 2016	Air Temp (C)	16
I1	02 Nov 2016	Weather	Clear
I1	02 Nov 2016	Visibility (mi)	10
I1	02 Nov 2016	Wind Speed (kts)	3
I1	02 Nov 2016	Wind Dir	N
I1	02 Nov 2016	Water Color	Greenish-Blue
I1	02 Nov 2016	Wave Ht Low (ft)	2
I1	02 Nov 2016	Wave Period (sec)	13
I1	02 Nov 2016	Sea State	Calm
I1	02 Nov 2016	High Tide (ft)	5.41
I1	02 Nov 2016	High Tide Time	1027
I1	02 Nov 2016	Low Tide (ft)	1.99
I1	02 Nov 2016	Low Tide Time	421
I1	02 Nov 2016	Comments	
I2	02 Nov 2016	Depth (m)	32
I2	02 Nov 2016	Arrive Time	933
I2	02 Nov 2016	Depart Time	938
I2	02 Nov 2016	Air Temp (C)	16
I2	02 Nov 2016	Weather	Clear
I2	02 Nov 2016	Visibility (mi)	10
I2	02 Nov 2016	Wind Speed (kts)	6
I2	02 Nov 2016	Wind Dir	E
I2	02 Nov 2016	Water Color	Greenish-Blue
I2	02 Nov 2016	Wave Ht Low (ft)	2
I2	02 Nov 2016	Wave Period (sec)	13
I2	02 Nov 2016	Sea State	Calm
I2	02 Nov 2016	High Tide (ft)	5.41
I2	02 Nov 2016	High Tide Time	1027
I2	02 Nov 2016	Low Tide (ft)	1.99
I2	02 Nov 2016	Low Tide Time	421
I2	02 Nov 2016	Comments	
I3	02 Nov 2016	Depth (m)	27
I3	02 Nov 2016	Arrive Time	952
I3	02 Nov 2016	Depart Time	959
I3	02 Nov 2016	Air Temp (C)	17
I3	02 Nov 2016	Weather	Clear
I3	02 Nov 2016	Visibility (mi)	10
I3	02 Nov 2016	Wind Speed (kts)	2
I3	02 Nov 2016	Wind Dir	S
I3	02 Nov 2016	Water Color	Greenish-Blue
I3	02 Nov 2016	Wave Ht Low (ft)	2
I3	02 Nov 2016	Wave Period (sec)	13
I3	02 Nov 2016	Sea State	Calm
I3	02 Nov 2016	High Tide (ft)	5.41
I3	02 Nov 2016	High Tide Time	1027
I3	02 Nov 2016	Low Tide (ft)	1.99

Station	Date	Parameter	Value
I3	02 Nov 2016	Low Tide Time	421
I3	02 Nov 2016	Comments	
I4	02 Nov 2016	Depth (m)	18
I4	02 Nov 2016	Arrive Time	1012
I4	02 Nov 2016	Depart Time	1025
I4	02 Nov 2016	Air Temp (C)	17
I4	02 Nov 2016	Weather	Clear
I4	02 Nov 2016	Visibility (mi)	10
I4	02 Nov 2016	Wind Speed (kts)	4
I4	02 Nov 2016	Wind Dir	N
I4	02 Nov 2016	Water Color	Green
I4	02 Nov 2016	Wave Ht Low (ft)	2
I4	02 Nov 2016	Wave Period (sec)	13
I4	02 Nov 2016	Sea State	Light chop
I4	02 Nov 2016	High Tide (ft)	5.41
I4	02 Nov 2016	High Tide Time	1027
I4	02 Nov 2016	Low Tide (ft)	1.99
I4	02 Nov 2016	Low Tide Time	421
I4	02 Nov 2016	Comments	
I5	02 Nov 2016	Depth (m)	11
I5	02 Nov 2016	Arrive Time	1031
I5	02 Nov 2016	Depart Time	1034
I5	02 Nov 2016	Air Temp (C)	17
I5	02 Nov 2016	Weather	Clear
I5	02 Nov 2016	Visibility (mi)	10
I5	02 Nov 2016	Wind Speed (kts)	6
I5	02 Nov 2016	Wind Dir	NE
I5	02 Nov 2016	Water Color	Green
I5	02 Nov 2016	Wave Ht Low (ft)	2
I5	02 Nov 2016	Wave Period (sec)	13
I5	02 Nov 2016	Sea State	Light chop
I5	02 Nov 2016	High Tide (ft)	5.41
I5	02 Nov 2016	High Tide Time	1027
I5	02 Nov 2016	Low Tide (ft)	1.99
I5	02 Nov 2016	Low Tide Time	421
I5	02 Nov 2016	Comments	
I6	02 Nov 2016	Depth (m)	26
I6	02 Nov 2016	Arrive Time	1051
I6	02 Nov 2016	Depart Time	1054
I6	02 Nov 2016	Air Temp (C)	16
I6	02 Nov 2016	Weather	Clear
I6	02 Nov 2016	Visibility (mi)	10
I6	02 Nov 2016	Wind Speed (kts)	6
I6	02 Nov 2016	Wind Dir	W
I6	02 Nov 2016	Water Color	Green
I6	02 Nov 2016	Wave Ht Low (ft)	2
I6	02 Nov 2016	Wave Period (sec)	13
I6	02 Nov 2016	Sea State	Light chop
I6	02 Nov 2016	High Tide (ft)	5.41
I6	02 Nov 2016	High Tide Time	1027
I6	02 Nov 2016	Low Tide (ft)	1.99
I6	02 Nov 2016	Low Tide Time	421

Station	Date	Parameter	Value
I6	02 Nov 2016	Comments	
I7	02 Nov 2016	Depth (m)	52
I7	02 Nov 2016	Arrive Time	838
I7	02 Nov 2016	Depart Time	843
I7	02 Nov 2016	Air Temp (C)	16
I7	02 Nov 2016	Weather	Clear
I7	02 Nov 2016	Visibility (mi)	8
I7	02 Nov 2016	Wind Speed (kts)	6
I7	02 Nov 2016	Wind Dir	S
I7	02 Nov 2016	Water Color	Greenish-Blue
I7	02 Nov 2016	Wave Ht Low (ft)	2
I7	02 Nov 2016	Wave Period (sec)	13
I7	02 Nov 2016	Sea State	Calm
I7	02 Nov 2016	High Tide (ft)	5.41
I7	02 Nov 2016	High Tide Time	1027
I7	02 Nov 2016	Low Tide (ft)	1.99
I7	02 Nov 2016	Low Tide Time	421
I7	02 Nov 2016	Comments	
I8	02 Nov 2016	Depth (m)	36
I8	02 Nov 2016	Arrive Time	1152
I8	02 Nov 2016	Depart Time	1155
I8	02 Nov 2016	Air Temp (C)	17
I8	02 Nov 2016	Weather	Clear
I8	02 Nov 2016	Visibility (mi)	10
I8	02 Nov 2016	Wind Speed (kts)	7
I8	02 Nov 2016	Wind Dir	NE
I8	02 Nov 2016	Water Color	Green
I8	02 Nov 2016	Wave Ht Low (ft)	2
I8	02 Nov 2016	Wave Period (sec)	13
I8	02 Nov 2016	Sea State	Light chop
I8	02 Nov 2016	High Tide (ft)	5.41
I8	02 Nov 2016	High Tide Time	1027
I8	02 Nov 2016	Low Tide (ft)	1.99
I8	02 Nov 2016	Low Tide Time	421
I8	02 Nov 2016	Comments	
I9	02 Nov 2016	Depth (m)	29
I9	02 Nov 2016	Arrive Time	1134
I9	02 Nov 2016	Depart Time	1137
I9	02 Nov 2016	Air Temp (C)	17
I9	02 Nov 2016	Weather	Clear
I9	02 Nov 2016	Visibility (mi)	10
I9	02 Nov 2016	Wind Speed (kts)	5
I9	02 Nov 2016	Wind Dir	W
I9	02 Nov 2016	Water Color	Green
I9	02 Nov 2016	Wave Ht Low (ft)	2
I9	02 Nov 2016	Wave Period (sec)	13
I9	02 Nov 2016	Sea State	Light chop
I9	02 Nov 2016	High Tide (ft)	5.41
I9	02 Nov 2016	High Tide Time	1027
I9	02 Nov 2016	Low Tide (ft)	1.99
I9	02 Nov 2016	Low Tide Time	421
I9	02 Nov 2016	Comments	

Station	Date	Parameter	Value
I10	02 Nov 2016	Depth (m)	20
I10	02 Nov 2016	Arrive Time	1119
I10	02 Nov 2016	Depart Time	1124
I10	02 Nov 2016	Air Temp (C)	17
I10	02 Nov 2016	Weather	Clear
I10	02 Nov 2016	Visibility (mi)	10
I10	02 Nov 2016	Wind Speed (kts)	6
I10	02 Nov 2016	Wind Dir	W
I10	02 Nov 2016	Water Color	Green
I10	02 Nov 2016	Wave Ht Low (ft)	2
I10	02 Nov 2016	Wave Period (sec)	13
I10	02 Nov 2016	Sea State	Light chop
I10	02 Nov 2016	High Tide (ft)	5.41
I10	02 Nov 2016	High Tide Time	1027
I10	02 Nov 2016	Low Tide (ft)	1.99
I10	02 Nov 2016	Low Tide Time	421
I10	02 Nov 2016	Comments	
I11	02 Nov 2016	Depth (m)	13
I11	02 Nov 2016	Arrive Time	1107
I11	02 Nov 2016	Depart Time	1110
I11	02 Nov 2016	Air Temp (C)	16
I11	02 Nov 2016	Weather	Clear
I11	02 Nov 2016	Visibility (mi)	10
I11	02 Nov 2016	Wind Speed (kts)	4
I11	02 Nov 2016	Wind Dir	NE
I11	02 Nov 2016	Water Color	Green
I11	02 Nov 2016	Wave Ht Low (ft)	2
I11	02 Nov 2016	Wave Period (sec)	13
I11	02 Nov 2016	Sea State	Light chop
I11	02 Nov 2016	High Tide (ft)	5.41
I11	02 Nov 2016	High Tide Time	1027
I11	02 Nov 2016	Low Tide (ft)	1.99
I11	02 Nov 2016	Low Tide Time	421
I11	02 Nov 2016	Comments	
I12	01 Nov 2016	Depth (m)	29
I12	01 Nov 2016	Arrive Time	1038
I12	01 Nov 2016	Depart Time	1043
I12	01 Nov 2016	Air Temp (C)	18
I12	01 Nov 2016	Weather	Partly Cloudy
I12	01 Nov 2016	Visibility (mi)	6
I12	01 Nov 2016	Wind Speed (kts)	0
I12	01 Nov 2016	Wind Dir	
I12	01 Nov 2016	Water Color	Green
I12	01 Nov 2016	Wave Ht Low (ft)	5
I12	01 Nov 2016	Wave Period (sec)	11
I12	01 Nov 2016	Sea State	Light chop
I12	01 Nov 2016	High Tide (ft)	5.57
I12	01 Nov 2016	High Tide Time	1001
I12	01 Nov 2016	Low Tide (ft)	1.71
I12	01 Nov 2016	Low Tide Time	356
I12	01 Nov 2016	Comments	

Station	Date	Parameter	Value
I13	02 Nov 2016	Depth (m)	38
I13	02 Nov 2016	Arrive Time	1208
I13	02 Nov 2016	Depart Time	1212
I13	02 Nov 2016	Air Temp (C)	17
I13	02 Nov 2016	Weather	Clear
I13	02 Nov 2016	Visibility (mi)	10
I13	02 Nov 2016	Wind Speed (kts)	8
I13	02 Nov 2016	Wind Dir	N
I13	02 Nov 2016	Water Color	Green
I13	02 Nov 2016	Wave Ht Low (ft)	2
I13	02 Nov 2016	Wave Period (sec)	13
I13	02 Nov 2016	Sea State	Light chop
I13	02 Nov 2016	High Tide (ft)	5.41
I13	02 Nov 2016	High Tide Time	1027
I13	02 Nov 2016	Low Tide (ft)	1.99
I13	02 Nov 2016	Low Tide Time	421
I13	02 Nov 2016	Comments	
I14	01 Nov 2016	Depth (m)	29
I14	01 Nov 2016	Arrive Time	1056
I14	01 Nov 2016	Depart Time	1100
I14	01 Nov 2016	Air Temp (C)	17
I14	01 Nov 2016	Weather	Partly Cloudy
I14	01 Nov 2016	Visibility (mi)	6
I14	01 Nov 2016	Wind Speed (kts)	1
I14	01 Nov 2016	Wind Dir	NW
I14	01 Nov 2016	Water Color	Green
I14	01 Nov 2016	Wave Ht Low (ft)	5
I14	01 Nov 2016	Wave Period (sec)	11
I14	01 Nov 2016	Sea State	Light chop
I14	01 Nov 2016	High Tide (ft)	5.57
I14	01 Nov 2016	High Tide Time	1001
I14	01 Nov 2016	Low Tide (ft)	1.71
I14	01 Nov 2016	Low Tide Time	356
I14	01 Nov 2016	Comments	
I15	01 Nov 2016	Depth (m)	32
I15	01 Nov 2016	Arrive Time	1049
I15	01 Nov 2016	Depart Time	1052
I15	01 Nov 2016	Air Temp (C)	18
I15	01 Nov 2016	Weather	Partly Cloudy
I15	01 Nov 2016	Visibility (mi)	6
I15	01 Nov 2016	Wind Speed (kts)	0
I15	01 Nov 2016	Wind Dir	
I15	01 Nov 2016	Water Color	Green
I15	01 Nov 2016	Wave Ht Low (ft)	5
I15	01 Nov 2016	Wave Period (sec)	11
I15	01 Nov 2016	Sea State	Light chop
I15	01 Nov 2016	High Tide (ft)	5.57
I15	01 Nov 2016	High Tide Time	1001
I15	01 Nov 2016	Low Tide (ft)	1.71
I15	01 Nov 2016	Low Tide Time	356
I15	01 Nov 2016	Comments	
I16	01 Nov 2016	Depth (m)	29

Station	Date	Parameter	Value
I16	01 Nov 2016	Arrive Time	1028
I16	01 Nov 2016	Depart Time	1033
I16	01 Nov 2016	Air Temp (C)	18
I16	01 Nov 2016	Weather	Partly Cloudy
I16	01 Nov 2016	Visibility (mi)	6
I16	01 Nov 2016	Wind Speed (kts)	0
I16	01 Nov 2016	Wind Dir	
I16	01 Nov 2016	Water Color	Green
I16	01 Nov 2016	Wave Ht Low (ft)	5
I16	01 Nov 2016	Wave Period (sec)	11
I16	01 Nov 2016	Sea State	Light chop
I16	01 Nov 2016	High Tide (ft)	5.57
I16	01 Nov 2016	High Tide Time	1001
I16	01 Nov 2016	Low Tide (ft)	1.71
I16	01 Nov 2016	Low Tide Time	356
I16	01 Nov 2016	Comments	
I17	01 Nov 2016	Depth (m)	26
I17	01 Nov 2016	Arrive Time	1021
I17	01 Nov 2016	Depart Time	1024
I17	01 Nov 2016	Air Temp (C)	17
I17	01 Nov 2016	Weather	Partly Cloudy
I17	01 Nov 2016	Visibility (mi)	6
I17	01 Nov 2016	Wind Speed (kts)	0
I17	01 Nov 2016	Wind Dir	
I17	01 Nov 2016	Water Color	Green
I17	01 Nov 2016	Wave Ht Low (ft)	5
I17	01 Nov 2016	Wave Period (sec)	11
I17	01 Nov 2016	Sea State	Light chop
I17	01 Nov 2016	High Tide (ft)	5.57
I17	01 Nov 2016	High Tide Time	1001
I17	01 Nov 2016	Low Tide (ft)	1.71
I17	01 Nov 2016	Low Tide Time	356
I17	01 Nov 2016	Comments	
I18	01 Nov 2016	Depth (m)	20
I18	01 Nov 2016	Arrive Time	1007
I18	01 Nov 2016	Depart Time	1013
I18	01 Nov 2016	Air Temp (C)	17
I18	01 Nov 2016	Weather	Partly Cloudy
I18	01 Nov 2016	Visibility (mi)	6
I18	01 Nov 2016	Wind Speed (kts)	0
I18	01 Nov 2016	Wind Dir	
I18	01 Nov 2016	Water Color	Brownish-Green
I18	01 Nov 2016	Wave Ht Low (ft)	5
I18	01 Nov 2016	Wave Period (sec)	11
I18	01 Nov 2016	Sea State	Light chop
I18	01 Nov 2016	High Tide (ft)	5.57
I18	01 Nov 2016	High Tide Time	1001
I18	01 Nov 2016	Low Tide (ft)	1.71
I18	01 Nov 2016	Low Tide Time	356
I18	01 Nov 2016	Comments	
I20	02 Nov 2016	Depth (m)	55
I20	02 Nov 2016	Arrive Time	814

Station	Date	Parameter	Value
I20	02 Nov 2016	Depart Time	822
I20	02 Nov 2016	Air Temp (C)	16
I20	02 Nov 2016	Weather	Clear
I20	02 Nov 2016	Visibility (mi)	8
I20	02 Nov 2016	Wind Speed (kts)	4
I20	02 Nov 2016	Wind Dir	NW
I20	02 Nov 2016	Water Color	Greenish-Blue
I20	02 Nov 2016	Wave Ht Low (ft)	2
I20	02 Nov 2016	Wave Period (sec)	13
I20	02 Nov 2016	Sea State	Calm
I20	02 Nov 2016	High Tide (ft)	5.41
I20	02 Nov 2016	High Tide Time	1027
I20	02 Nov 2016	Low Tide (ft)	1.99
I20	02 Nov 2016	Low Tide Time	421
I20	02 Nov 2016	Comments	
I21	02 Nov 2016	Depth (m)	37
I21	02 Nov 2016	Arrive Time	1225
I21	02 Nov 2016	Depart Time	1228
I21	02 Nov 2016	Air Temp (C)	17
I21	02 Nov 2016	Weather	Clear
I21	02 Nov 2016	Visibility (mi)	10
I21	02 Nov 2016	Wind Speed (kts)	3
I21	02 Nov 2016	Wind Dir	SW
I21	02 Nov 2016	Water Color	Green
I21	02 Nov 2016	Wave Ht Low (ft)	2
I21	02 Nov 2016	Wave Period (sec)	13
I21	02 Nov 2016	Sea State	Light chop
I21	02 Nov 2016	High Tide (ft)	5.41
I21	02 Nov 2016	High Tide Time	1027
I21	02 Nov 2016	Low Tide (ft)	1.99
I21	02 Nov 2016	Low Tide Time	421
I21	02 Nov 2016	Comments	
I22	01 Nov 2016	Depth (m)	29
I22	01 Nov 2016	Arrive Time	1106
I22	01 Nov 2016	Depart Time	1111
I22	01 Nov 2016	Air Temp (C)	17
I22	01 Nov 2016	Weather	Partly Cloudy
I22	01 Nov 2016	Visibility (mi)	6
I22	01 Nov 2016	Wind Speed (kts)	0
I22	01 Nov 2016	Wind Dir	
I22	01 Nov 2016	Water Color	Green
I22	01 Nov 2016	Wave Ht Low (ft)	5
I22	01 Nov 2016	Wave Period (sec)	11
I22	01 Nov 2016	Sea State	Light chop
I22	01 Nov 2016	High Tide (ft)	5.57
I22	01 Nov 2016	High Tide Time	1001
I22	01 Nov 2016	Low Tide (ft)	1.71
I22	01 Nov 2016	Low Tide Time	356
I22	01 Nov 2016	Comments	
I23	01 Nov 2016	Depth (m)	22
I23	01 Nov 2016	Arrive Time	1118
I23	01 Nov 2016	Depart Time	1122

Station	Date	Parameter	Value
I23	01 Nov 2016	Air Temp (C)	17
I23	01 Nov 2016	Weather	Partly Cloudy
I23	01 Nov 2016	Visibility (mi)	6
I23	01 Nov 2016	Wind Speed (kts)	3
I23	01 Nov 2016	Wind Dir	N
I23	01 Nov 2016	Water Color	Green
I23	01 Nov 2016	Wave Ht Low (ft)	5
I23	01 Nov 2016	Wave Period (sec)	11
I23	01 Nov 2016	Sea State	Light chop
I23	01 Nov 2016	High Tide (ft)	5.57
I23	01 Nov 2016	High Tide Time	1001
I23	01 Nov 2016	Low Tide (ft)	1.71
I23	01 Nov 2016	Low Tide Time	356
I23	01 Nov 2016	Comments	none
I27	01 Nov 2016	Depth (m)	29
I27	01 Nov 2016	Arrive Time	818
I27	01 Nov 2016	Depart Time	821
I27	01 Nov 2016	Air Temp (C)	15
I27	01 Nov 2016	Weather	Partly Cloudy
I27	01 Nov 2016	Visibility (mi)	6
I27	01 Nov 2016	Wind Speed (kts)	3
I27	01 Nov 2016	Wind Dir	S
I27	01 Nov 2016	Water Color	Brownish-Green
I27	01 Nov 2016	Wave Ht Low (ft)	5
I27	01 Nov 2016	Wave Period (sec)	11
I27	01 Nov 2016	Sea State	Confused swell
I27	01 Nov 2016	High Tide (ft)	5.57
I27	01 Nov 2016	High Tide Time	1001
I27	01 Nov 2016	Low Tide (ft)	1.71
I27	01 Nov 2016	Low Tide Time	356
I27	01 Nov 2016	Comments	Kelp
I28	03 Nov 2016	Depth (m)	57
I28	03 Nov 2016	Arrive Time	1005
I28	03 Nov 2016	Depart Time	1012
I28	03 Nov 2016	Air Temp (C)	17
I28	03 Nov 2016	Weather	Clear
I28	03 Nov 2016	Visibility (mi)	12
I28	03 Nov 2016	Wind Speed (kts)	1
I28	03 Nov 2016	Wind Dir	SW
I28	03 Nov 2016	Water Color	Green
I28	03 Nov 2016	Wave Ht Low (ft)	3
I28	03 Nov 2016	Wave Period (sec)	9
I28	03 Nov 2016	Sea State	Calm
I28	03 Nov 2016	High Tide (ft)	5.19
I28	03 Nov 2016	High Tide Time	1055
I28	03 Nov 2016	Low Tide (ft)	2.29
I28	03 Nov 2016	Low Tide Time	446
I28	03 Nov 2016	Comments	
I29	03 Nov 2016	Depth (m)	39
I29	03 Nov 2016	Arrive Time	1027
I29	03 Nov 2016	Depart Time	1033
I29	03 Nov 2016	Air Temp (C)	18

Station	Date	Parameter	Value
I29	03 Nov 2016	Weather	Clear
I29	03 Nov 2016	Visibility (mi)	12
I29	03 Nov 2016	Wind Speed (kts)	0
I29	03 Nov 2016	Wind Dir	
I29	03 Nov 2016	Water Color	Green
I29	03 Nov 2016	Wave Ht Low (ft)	3
I29	03 Nov 2016	Wave Period (sec)	9
I29	03 Nov 2016	Sea State	Calm
I29	03 Nov 2016	High Tide (ft)	5.19
I29	03 Nov 2016	High Tide Time	1055
I29	03 Nov 2016	Low Tide (ft)	2.29
I29	03 Nov 2016	Low Tide Time	446
I29	03 Nov 2016	Comments	
I30	03 Nov 2016	Depth (m)	29
I30	03 Nov 2016	Arrive Time	1043
I30	03 Nov 2016	Depart Time	1050
I30	03 Nov 2016	Air Temp (C)	19
I30	03 Nov 2016	Weather	Clear
I30	03 Nov 2016	Visibility (mi)	12
I30	03 Nov 2016	Wind Speed (kts)	0
I30	03 Nov 2016	Wind Dir	
I30	03 Nov 2016	Water Color	Green
I30	03 Nov 2016	Wave Ht Low (ft)	3
I30	03 Nov 2016	Wave Period (sec)	9
I30	03 Nov 2016	Sea State	Calm
I30	03 Nov 2016	High Tide (ft)	5.19
I30	03 Nov 2016	High Tide Time	1055
I30	03 Nov 2016	Low Tide (ft)	2.29
I30	03 Nov 2016	Low Tide Time	446
I30	03 Nov 2016	Comments	
I31	03 Nov 2016	Depth (m)	20
I31	03 Nov 2016	Arrive Time	1101
I31	03 Nov 2016	Depart Time	1105
I31	03 Nov 2016	Air Temp (C)	18
I31	03 Nov 2016	Weather	Clear
I31	03 Nov 2016	Visibility (mi)	12
I31	03 Nov 2016	Wind Speed (kts)	2
I31	03 Nov 2016	Wind Dir	SE
I31	03 Nov 2016	Water Color	Green
I31	03 Nov 2016	Wave Ht Low (ft)	3
I31	03 Nov 2016	Wave Period (sec)	9
I31	03 Nov 2016	Sea State	Calm
I31	03 Nov 2016	High Tide (ft)	5.19
I31	03 Nov 2016	High Tide Time	1055
I31	03 Nov 2016	Low Tide (ft)	2.29
I31	03 Nov 2016	Low Tide Time	446
I31	03 Nov 2016	Comments	
I33	03 Nov 2016	Depth (m)	30
I33	03 Nov 2016	Arrive Time	946
I33	03 Nov 2016	Depart Time	950
I33	03 Nov 2016	Air Temp (C)	17
I33	03 Nov 2016	Weather	Clear

Station	Date	Parameter	Value
I33	03 Nov 2016	Visibility (mi)	12
I33	03 Nov 2016	Wind Speed (kts)	2
I33	03 Nov 2016	Wind Dir	W
I33	03 Nov 2016	Water Color	Green
I33	03 Nov 2016	Wave Ht Low (ft)	3
I33	03 Nov 2016	Wave Period (sec)	9
I33	03 Nov 2016	Sea State	Calm
I33	03 Nov 2016	High Tide (ft)	5.19
I33	03 Nov 2016	High Tide Time	1055
I33	03 Nov 2016	Low Tide (ft)	2.29
I33	03 Nov 2016	Low Tide Time	446
I33	03 Nov 2016	Comments	
I34	03 Nov 2016	Depth (m)	19
I34	03 Nov 2016	Arrive Time	931
I34	03 Nov 2016	Depart Time	933
I34	03 Nov 2016	Air Temp (C)	17
I34	03 Nov 2016	Weather	Clear
I34	03 Nov 2016	Visibility (mi)	12
I34	03 Nov 2016	Wind Speed (kts)	1
I34	03 Nov 2016	Wind Dir	S
I34	03 Nov 2016	Water Color	Green
I34	03 Nov 2016	Wave Ht Low (ft)	3
I34	03 Nov 2016	Wave Period (sec)	9
I34	03 Nov 2016	Sea State	Calm
I34	03 Nov 2016	High Tide (ft)	5.19
I34	03 Nov 2016	High Tide Time	1055
I34	03 Nov 2016	Low Tide (ft)	2.29
I34	03 Nov 2016	Low Tide Time	446
I34	03 Nov 2016	Comments	
I35	03 Nov 2016	Depth (m)	19
I35	03 Nov 2016	Arrive Time	1202
I35	03 Nov 2016	Depart Time	1205
I35	03 Nov 2016	Air Temp (C)	18
I35	03 Nov 2016	Weather	Clear
I35	03 Nov 2016	Visibility (mi)	12
I35	03 Nov 2016	Wind Speed (kts)	3
I35	03 Nov 2016	Wind Dir	SW
I35	03 Nov 2016	Water Color	Green
I35	03 Nov 2016	Wave Ht Low (ft)	3
I35	03 Nov 2016	Wave Period (sec)	9
I35	03 Nov 2016	Sea State	Calm
I35	03 Nov 2016	High Tide (ft)	5.19
I35	03 Nov 2016	High Tide Time	1055
I35	03 Nov 2016	Low Tide (ft)	2.29
I35	03 Nov 2016	Low Tide Time	446
I35	03 Nov 2016	Comments	
I36	03 Nov 2016	Depth (m)	11
I36	03 Nov 2016	Arrive Time	1144
I36	03 Nov 2016	Depart Time	1149
I36	03 Nov 2016	Air Temp (C)	18
I36	03 Nov 2016	Weather	Clear
I36	03 Nov 2016	Visibility (mi)	12

Station	Date	Parameter	Value
I36	03 Nov 2016	Wind Speed (kts)	3
I36	03 Nov 2016	Wind Dir	E
I36	03 Nov 2016	Water Color	Green
I36	03 Nov 2016	Wave Ht Low (ft)	3
I36	03 Nov 2016	Wave Period (sec)	9
I36	03 Nov 2016	Sea State	Calm
I36	03 Nov 2016	High Tide (ft)	5.19
I36	03 Nov 2016	High Tide Time	1055
I36	03 Nov 2016	Low Tide (ft)	2.29
I36	03 Nov 2016	Low Tide Time	446
I36	03 Nov 2016	Comments	
I37	03 Nov 2016	Depth (m)	12
I37	03 Nov 2016	Arrive Time	911
I37	03 Nov 2016	Depart Time	919
I37	03 Nov 2016	Air Temp (C)	17
I37	03 Nov 2016	Weather	Clear
I37	03 Nov 2016	Visibility (mi)	12
I37	03 Nov 2016	Wind Speed (kts)	2
I37	03 Nov 2016	Wind Dir	SW
I37	03 Nov 2016	Water Color	Green
I37	03 Nov 2016	Wave Ht Low (ft)	3
I37	03 Nov 2016	Wave Period (sec)	9
I37	03 Nov 2016	Sea State	Calm
I37	03 Nov 2016	High Tide (ft)	5.19
I37	03 Nov 2016	High Tide Time	1055
I37	03 Nov 2016	Low Tide (ft)	2.29
I37	03 Nov 2016	Low Tide Time	446
I37	03 Nov 2016	Comments	
I38	03 Nov 2016	Depth (m)	12
I38	03 Nov 2016	Arrive Time	1217
I38	03 Nov 2016	Depart Time	1223
I38	03 Nov 2016	Air Temp (C)	18
I38	03 Nov 2016	Weather	Clear
I38	03 Nov 2016	Visibility (mi)	12
I38	03 Nov 2016	Wind Speed (kts)	2
I38	03 Nov 2016	Wind Dir	S
I38	03 Nov 2016	Water Color	Green
I38	03 Nov 2016	Wave Ht Low (ft)	3
I38	03 Nov 2016	Wave Period (sec)	9
I38	03 Nov 2016	Sea State	Calm
I38	03 Nov 2016	High Tide (ft)	5.19
I38	03 Nov 2016	High Tide Time	1055
I38	03 Nov 2016	Low Tide (ft)	2.29
I38	03 Nov 2016	Low Tide Time	446
I38	03 Nov 2016	Comments	

Table 4.7

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I1	02 Nov 2016	1	17.97	87.62	7.9	33.42	8.2	24.1	0.42
I1	02 Nov 2016	2	17.97	88.12	8.0	33.42	8.2	24.1	0.43
I1	02 Nov 2016	3	17.97	88.33	8.0	33.42	8.2	24.1	0.43
I1	02 Nov 2016	4	17.97	88.37	7.9	33.42	8.2	24.1	0.43
I1	02 Nov 2016	5	17.97	88.32	8.0	33.42	8.2	24.1	0.46
I1	02 Nov 2016	6	17.96	88.42	7.9	33.42	8.2	24.1	0.48
I1	02 Nov 2016	7	17.94	88.37	8.0	33.42	8.2	24.1	0.49
I1	02 Nov 2016	8	17.92	88.14	7.9	33.42	8.2	24.1	0.51
I1	02 Nov 2016	9	17.58	88.27	7.9	33.41	8.2	24.2	0.57
I1	02 Nov 2016	10	17.25	88.34	8.0	33.39	8.2	24.2	0.55
I1	02 Nov 2016	11	17.18	87.94	8.0	33.37	8.2	24.2	0.65
I1	02 Nov 2016	12	16.83	87.84	8.0	33.35	8.2	24.3	0.83
I1	02 Nov 2016	13	16.77	87.45	8.1	33.34	8.2	24.3	1.05
I1	02 Nov 2016	14	16.54	87.14	8.0	33.33	8.2	24.3	1.19
I1	02 Nov 2016	15	16.10	86.95	8.1	33.31	8.2	24.4	1.48
I1	02 Nov 2016	16	16.23	86.65	8.1	33.30	8.2	24.4	1.63
I1	02 Nov 2016	17	15.50	86.54	7.9	33.31	8.2	24.6	1.81
I1	02 Nov 2016	18	15.10	86.31	7.9	33.28	8.1	24.6	2.07
I1	02 Nov 2016	19	14.99	86.11	7.7	33.28	8.1	24.6	2.09
I1	02 Nov 2016	20	14.51	86.00	7.5	33.29	8.1	24.8	2.04
I1	02 Nov 2016	21	14.35	86.35	7.5	33.28	8.1	24.8	1.97
I1	02 Nov 2016	22	14.33	86.56	7.5	33.28	8.1	24.8	1.95
I1	02 Nov 2016	23	14.30	86.58	7.4	33.28	8.1	24.8	1.95
I1	02 Nov 2016	24	14.28	86.64	7.4	33.28	8.1	24.8	1.94
I1	02 Nov 2016	25	14.24	86.57	7.4	33.28	8.1	24.8	1.95
I1	02 Nov 2016	26	14.17	86.64	7.3	33.28	8.1	24.8	1.98
I1	02 Nov 2016	27	13.83	87.20	7.1	33.29	8.1	24.9	1.73
I1	02 Nov 2016	28	13.82	87.55	7.1	33.29	8.1	24.9	1.50
I1	02 Nov 2016	29	13.46	87.79	6.9	33.31	8.1	25.0	1.25
I1	02 Nov 2016	30	13.29	88.04	6.8	33.31	8.0	25.0	1.05
I1	02 Nov 2016	31	13.17	88.11	6.7	33.31	8.0	25.1	0.95
I1	02 Nov 2016	32	13.10	88.15	6.7	33.31	8.0	25.1	0.88
I1	02 Nov 2016	33	13.10	88.16	6.7	33.31	8.0	25.1	0.87
I1	02 Nov 2016	34	13.02	88.16	6.6	33.32	8.0	25.1	0.86
I1	02 Nov 2016	35	12.96	88.08	6.5	33.32	8.0	25.1	0.81
I1	02 Nov 2016	36	12.91	88.19	6.5	33.32	8.0	25.1	0.76
I1	02 Nov 2016	37	12.89	88.21	6.5	33.32	8.0	25.1	0.76
I1	02 Nov 2016	38	12.86	88.23	6.5	33.33	8.0	25.1	0.73
I1	02 Nov 2016	39	12.82	88.30	6.4	33.33	8.0	25.1	0.71
I1	02 Nov 2016	40	12.81	88.27	6.4	33.33	8.0	25.1	0.71
I1	02 Nov 2016	41	12.74	88.19	6.4	33.33	8.0	25.2	0.68
I1	02 Nov 2016	42	12.66	88.30	6.3	33.34	8.0	25.2	0.65
I1	02 Nov 2016	43	12.65	88.28	6.3	33.33	8.0	25.2	0.63
I1	02 Nov 2016	44	12.63	88.29	6.3	33.34	8.0	25.2	0.63
I1	02 Nov 2016	45	12.61	88.16	6.3	33.34	8.0	25.2	0.62
I1	02 Nov 2016	46	12.57	88.05	6.3	33.34	8.0	25.2	0.60
I1	02 Nov 2016	47	12.54	88.03	6.2	33.34	8.0	25.2	0.59
I1	02 Nov 2016	48	12.53	87.97	6.2	33.34	8.0	25.2	0.60
I1	02 Nov 2016	49	12.51	87.87	6.2	33.34	8.0	25.2	0.59
I1	02 Nov 2016	50	12.48	87.93	6.2	33.35	8.0	25.2	0.57
I1	02 Nov 2016	51	12.44	87.97	6.1	33.35	8.0	25.2	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I1	02 Nov 2016	52	12.39	87.65	6.1	33.35	8.0	25.2	0.56
I1	02 Nov 2016	53	12.31	87.60	6.1	33.35	8.0	25.3	0.55
I1	02 Nov 2016	54	12.27	87.59	6.0	33.36	8.0	25.3	0.53
I1	02 Nov 2016	55	12.19	87.71	6.0	33.37	8.0	25.3	0.51
I1	02 Nov 2016	56	12.06	87.66	5.9	33.38	7.9	25.3	0.49
I1	02 Nov 2016	57	12.01	87.42	5.8	33.39	7.9	25.3	0.47
I1	02 Nov 2016	58	11.97	87.23	5.8	33.39	7.9	25.3	0.47
I1	02 Nov 2016	59	11.93	87.14	5.8	33.40	7.9	25.4	0.45
I1	02 Nov 2016	60	11.83	86.72	5.7	33.41	7.9	25.4	0.45
I2	02 Nov 2016	1	17.23	85.85	8.2	33.35	8.2	24.2	0.68
I2	02 Nov 2016	2	17.23	85.95	8.2	33.35	8.2	24.2	0.68
I2	02 Nov 2016	3	17.23	86.00	8.2	33.35	8.2	24.2	0.69
I2	02 Nov 2016	4	17.23	85.88	8.3	33.35	8.2	24.2	0.72
I2	02 Nov 2016	5	17.22	85.94	8.3	33.35	8.2	24.2	0.80
I2	02 Nov 2016	6	17.22	85.88	8.3	33.35	8.2	24.2	0.89
I2	02 Nov 2016	7	17.21	85.80	8.3	33.35	8.2	24.2	0.97
I2	02 Nov 2016	8	17.21	85.89	8.3	33.35	8.2	24.2	1.09
I2	02 Nov 2016	9	17.21	85.98	8.3	33.35	8.2	24.2	1.17
I2	02 Nov 2016	10	17.20	85.86	8.3	33.35	8.2	24.2	1.22
I2	02 Nov 2016	11	17.17	85.97	8.3	33.35	8.2	24.2	1.19
I2	02 Nov 2016	12	17.13	86.23	8.2	33.35	8.2	24.2	1.20
I2	02 Nov 2016	13	17.11	86.28	8.3	33.35	8.2	24.2	1.24
I2	02 Nov 2016	14	17.09	86.35	8.3	33.35	8.2	24.2	1.23
I2	02 Nov 2016	15	17.06	86.25	8.3	33.35	8.2	24.2	1.25
I2	02 Nov 2016	16	16.95	86.17	8.3	33.35	8.2	24.3	1.28
I2	02 Nov 2016	17	16.69	86.15	8.2	33.34	8.2	24.3	1.34
I2	02 Nov 2016	18	16.04	86.48	8.2	33.32	8.2	24.4	1.35
I2	02 Nov 2016	19	15.70	86.57	8.1	33.30	8.2	24.5	1.33
I2	02 Nov 2016	20	15.46	86.56	8.0	33.29	8.1	24.6	1.53
I2	02 Nov 2016	21	15.07	86.26	7.8	33.29	8.1	24.6	1.79
I2	02 Nov 2016	22	14.76	85.06	7.8	33.28	8.1	24.7	2.34
I2	02 Nov 2016	23	14.68	84.74	7.6	33.28	8.1	24.7	2.71
I2	02 Nov 2016	24	14.43	84.74	7.4	33.28	8.1	24.8	2.98
I2	02 Nov 2016	25	14.25	84.70	7.4	33.28	8.1	24.8	3.19
I2	02 Nov 2016	26	14.10	85.03	7.2	33.28	8.1	24.8	2.92
I2	02 Nov 2016	27	14.08	85.32	7.2	33.28	8.1	24.8	2.64
I2	02 Nov 2016	28	13.93	85.92	7.1	33.28	8.1	24.9	2.36
I2	02 Nov 2016	29	13.82	86.54	7.0	33.28	8.1	24.9	1.92
I2	02 Nov 2016	30	13.67	87.14	6.9	33.29	8.1	24.9	1.68
I2	02 Nov 2016	31	13.52	86.92	6.6	33.30	8.0	25.0	1.46
I2	02 Nov 2016	32	13.47	85.41	6.5	33.30	8.0	25.0	1.36
I3	02 Nov 2016	1	16.96	84.02	8.7	33.30	8.2	24.2	1.09
I3	02 Nov 2016	2	16.99	84.07	8.7	33.29	8.2	24.2	1.08
I3	02 Nov 2016	3	16.99	84.17	8.7	33.30	8.2	24.2	1.05
I3	02 Nov 2016	4	16.99	84.37	8.7	33.30	8.2	24.2	1.12
I3	02 Nov 2016	5	16.89	84.26	8.6	33.30	8.2	24.2	1.26
I3	02 Nov 2016	6	16.38	83.44	8.6	33.32	8.2	24.4	1.86
I3	02 Nov 2016	7	15.96	82.08	8.4	33.32	8.2	24.5	2.49
I3	02 Nov 2016	8	15.61	83.45	8.4	33.32	8.2	24.5	2.34
I3	02 Nov 2016	9	15.46	84.41	8.3	33.30	8.2	24.6	2.06
I3	02 Nov 2016	10	15.23	84.66	8.1	33.30	8.2	24.6	2.06
I3	02 Nov 2016	11	14.88	84.89	7.9	33.29	8.1	24.7	2.13
I3	02 Nov 2016	12	14.68	84.55	7.8	33.28	8.1	24.7	2.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I3	02 Nov 2016	13	14.56	84.21	7.6	33.28	8.1	24.7	2.89
I3	02 Nov 2016	14	14.41	83.32	7.4	33.29	8.1	24.8	3.44
I3	02 Nov 2016	15	14.25	82.81	7.3	33.29	8.1	24.8	3.98
I3	02 Nov 2016	16	14.09	82.54	7.2	33.28	8.1	24.8	4.38
I3	02 Nov 2016	17	13.95	82.64	7.0	33.29	8.1	24.9	4.55
I3	02 Nov 2016	18	13.79	83.39	6.9	33.28	8.0	24.9	3.81
I3	02 Nov 2016	19	13.76	84.16	6.8	33.28	8.0	24.9	3.22
I3	02 Nov 2016	20	13.73	84.48	6.8	33.28	8.0	24.9	2.80
I3	02 Nov 2016	21	13.73	84.35	6.8	33.28	8.0	24.9	2.47
I3	02 Nov 2016	22	13.73	84.56	6.8	33.28	8.0	24.9	2.38
I3	02 Nov 2016	23	13.73	84.52	6.8	33.28	8.0	24.9	2.12
I3	02 Nov 2016	24	13.73	84.42	6.7	33.28	8.0	24.9	2.09
I3	02 Nov 2016	25	13.73	84.34	6.7	33.28	8.0	24.9	2.11
I3	02 Nov 2016	26	13.73	84.01	6.7	33.28	8.0	24.9	2.02
I3	02 Nov 2016	27	13.73	84.04	6.7	33.28	8.0	24.9	2.08
I4	02 Nov 2016	1	16.57	80.77	8.4	33.29	8.2	24.3	1.00
I4	02 Nov 2016	2	16.56	80.65	8.4	33.29	8.2	24.3	1.03
I4	02 Nov 2016	3	16.49	80.13	8.4	33.30	8.2	24.3	1.31
I4	02 Nov 2016	4	16.16	79.19	8.3	33.29	8.2	24.4	1.70
I4	02 Nov 2016	5	15.32	76.33	8.1	33.29	8.1	24.6	2.42
I4	02 Nov 2016	6	14.93	71.78	7.7	33.28	8.1	24.7	3.10
I4	02 Nov 2016	7	14.80	70.98	7.5	33.27	8.1	24.7	3.72
I4	02 Nov 2016	8	14.73	72.43	7.4	33.27	8.1	24.7	4.26
I4	02 Nov 2016	9	14.63	72.98	7.3	33.27	8.1	24.7	4.66
I4	02 Nov 2016	10	14.61	73.00	7.3	33.27	8.1	24.7	5.07
I4	02 Nov 2016	11	14.62	73.80	7.3	33.27	8.1	24.7	5.16
I4	02 Nov 2016	12	14.58	74.06	7.2	33.27	8.1	24.7	5.07
I4	02 Nov 2016	13	14.52	74.54	7.2	33.27	8.1	24.7	4.94
I4	02 Nov 2016	14	14.39	76.09	7.0	33.27	8.1	24.8	4.98
I4	02 Nov 2016	15	14.32	76.33	6.9	33.27	8.0	24.8	4.75
I4	02 Nov 2016	16	14.29	76.89	6.8	33.27	8.0	24.8	4.59
I4	02 Nov 2016	17	14.25	77.40	6.8	33.28	8.0	24.8	4.30
I4	02 Nov 2016	18	14.23	77.68	6.7	33.27	8.0	24.8	3.94
I5	02 Nov 2016	1	16.07	77.77	8.2	33.29	8.1	24.4	1.15
I5	02 Nov 2016	2	16.06	77.76	8.2	33.29	8.1	24.4	1.18
I5	02 Nov 2016	3	15.88	76.31	8.1	33.29	8.1	24.5	1.42
I5	02 Nov 2016	4	15.41	72.12	8.0	33.29	8.1	24.6	2.24
I5	02 Nov 2016	5	15.34	70.40	7.9	33.28	8.1	24.6	3.44
I5	02 Nov 2016	6	15.34	70.20	7.9	33.28	8.1	24.6	4.23
I5	02 Nov 2016	7	15.17	69.59	7.5	33.28	8.1	24.6	4.65
I5	02 Nov 2016	8	14.87	67.99	7.3	33.27	8.1	24.7	4.79
I5	02 Nov 2016	9	14.71	67.76	7.1	33.28	8.0	24.7	4.95
I5	02 Nov 2016	10	14.55	68.28	7.0	33.27	8.0	24.7	5.09
I5	02 Nov 2016	11	14.49	68.59	6.9	33.27	8.0	24.7	5.16
I5	02 Nov 2016	12	14.49	68.90	6.8	33.27	8.0	24.7	5.10
I5	02 Nov 2016	13	14.36	69.88	6.7	33.27	8.0	24.8	4.99
I5	02 Nov 2016	14	14.32	68.57	6.6	33.27	8.0	24.8	5.61
I6	02 Nov 2016	1	16.89	83.82	8.6	33.30	8.2	24.2	0.73
I6	02 Nov 2016	2	16.88	83.74	8.6	33.30	8.2	24.2	0.75
I6	02 Nov 2016	3	16.81	83.74	8.6	33.30	8.2	24.3	0.86
I6	02 Nov 2016	4	16.70	83.02	8.6	33.29	8.2	24.3	1.09
I6	02 Nov 2016	5	16.11	81.50	8.5	33.28	8.2	24.4	1.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I6	02 Nov 2016	6	15.78	79.30	8.3	33.27	8.2	24.5	2.73
I6	02 Nov 2016	7	15.59	78.76	8.2	33.28	8.2	24.5	3.59
I6	02 Nov 2016	8	15.47	79.99	8.0	33.28	8.1	24.5	3.72
I6	02 Nov 2016	9	15.19	81.46	7.9	33.28	8.1	24.6	3.47
I6	02 Nov 2016	10	15.13	81.82	7.8	33.28	8.1	24.6	3.33
I6	02 Nov 2016	11	14.84	82.08	7.6	33.28	8.1	24.7	3.63
I6	02 Nov 2016	12	14.78	82.09	7.6	33.28	8.1	24.7	3.87
I6	02 Nov 2016	13	14.43	82.03	7.3	33.29	8.1	24.8	4.45
I6	02 Nov 2016	14	13.93	81.37	7.0	33.28	8.1	24.9	4.67
I6	02 Nov 2016	15	13.92	82.68	7.0	33.27	8.1	24.9	4.45
I6	02 Nov 2016	16	13.87	83.18	6.9	33.27	8.0	24.9	3.84
I6	02 Nov 2016	17	13.86	83.46	6.9	33.27	8.0	24.9	3.57
I6	02 Nov 2016	18	13.85	83.60	6.8	33.28	8.0	24.9	3.15
I6	02 Nov 2016	19	13.85	83.69	6.8	33.28	8.0	24.9	2.76
I6	02 Nov 2016	20	13.84	83.71	6.8	33.28	8.0	24.9	2.49
I6	02 Nov 2016	21	13.84	83.55	6.8	33.28	8.0	24.9	2.33
I6	02 Nov 2016	22	13.85	83.22	6.8	33.28	8.0	24.9	2.20
I6	02 Nov 2016	23	13.85	83.23	6.7	33.28	8.0	24.9	2.03
I6	02 Nov 2016	24	13.85	81.07	6.7	33.28	8.0	24.9	1.94
I6	02 Nov 2016	25	13.85	80.71	6.7	33.28	8.0	24.9	1.93
I6	02 Nov 2016	26	13.86	81.01	6.7	33.28	8.0	24.9	1.87
I7	02 Nov 2016	1	16.83	85.92	8.4	33.34	8.2	24.3	0.87
I7	02 Nov 2016	2	16.84	85.41	8.4	33.34	8.2	24.3	0.86
I7	02 Nov 2016	3	16.84	85.95	8.4	33.34	8.2	24.3	0.90
I7	02 Nov 2016	4	16.83	86.00	8.4	33.34	8.2	24.3	0.95
I7	02 Nov 2016	5	16.83	85.61	8.4	33.34	8.2	24.3	1.03
I7	02 Nov 2016	6	16.83	85.88	8.4	33.34	8.2	24.3	1.08
I7	02 Nov 2016	7	16.83	85.68	8.3	33.34	8.2	24.3	1.10
I7	02 Nov 2016	8	16.83	85.95	8.3	33.34	8.2	24.3	1.15
I7	02 Nov 2016	9	16.78	86.00	8.2	33.34	8.2	24.3	1.25
I7	02 Nov 2016	10	16.23	85.65	8.2	33.33	8.2	24.4	1.53
I7	02 Nov 2016	11	15.55	85.29	8.1	33.29	8.2	24.5	1.97
I7	02 Nov 2016	12	15.26	84.57	8.0	33.28	8.1	24.6	2.21
I7	02 Nov 2016	13	14.89	85.02	7.8	33.27	8.1	24.7	2.53
I7	02 Nov 2016	14	14.46	84.21	7.7	33.27	8.1	24.8	3.47
I7	02 Nov 2016	15	14.26	83.61	7.6	33.26	8.1	24.8	3.53
I7	02 Nov 2016	16	14.16	84.13	7.6	33.26	8.1	24.8	3.22
I7	02 Nov 2016	17	14.09	84.90	7.4	33.27	8.1	24.8	2.76
I7	02 Nov 2016	18	13.96	85.57	7.3	33.27	8.1	24.9	2.49
I7	02 Nov 2016	19	13.86	86.27	7.2	33.28	8.1	24.9	2.13
I7	02 Nov 2016	20	13.83	86.53	7.1	33.28	8.1	24.9	1.98
I7	02 Nov 2016	21	13.83	86.74	7.0	33.28	8.0	24.9	1.90
I7	02 Nov 2016	22	13.82	86.83	7.0	33.29	8.0	24.9	1.84
I7	02 Nov 2016	23	13.76	86.94	6.9	33.29	8.0	24.9	1.64
I7	02 Nov 2016	24	13.72	87.12	6.8	33.29	8.0	24.9	1.54
I7	02 Nov 2016	25	13.63	87.24	6.8	33.29	8.0	24.9	1.46
I7	02 Nov 2016	26	13.53	87.46	6.8	33.29	8.0	25.0	1.34
I7	02 Nov 2016	27	13.51	87.70	6.8	33.29	8.0	25.0	1.30
I7	02 Nov 2016	28	13.49	87.70	6.7	33.29	8.0	25.0	1.26
I7	02 Nov 2016	29	13.46	87.19	6.7	33.29	8.0	25.0	1.23
I7	02 Nov 2016	30	13.44	87.65	6.7	33.29	8.0	25.0	1.18
I7	02 Nov 2016	31	13.43	87.65	6.7	33.30	8.0	25.0	1.20
I7	02 Nov 2016	32	13.27	87.79	6.6	33.30	8.0	25.0	1.11
I7	02 Nov 2016	33	13.28	87.79	6.6	33.30	8.0	25.0	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I7	02 Nov 2016	34	13.15	87.77	6.5	33.30	8.0	25.0	1.01
I7	02 Nov 2016	35	13.11	87.91	6.5	33.30	8.0	25.1	0.98
I7	02 Nov 2016	36	13.11	87.95	6.5	33.30	8.0	25.1	0.96
I7	02 Nov 2016	37	13.05	87.95	6.5	33.31	8.0	25.1	0.93
I7	02 Nov 2016	38	13.06	87.95	6.5	33.30	8.0	25.1	0.92
I7	02 Nov 2016	39	13.00	87.95	6.5	33.31	8.0	25.1	0.89
I7	02 Nov 2016	40	12.98	87.97	6.4	33.31	8.0	25.1	0.88
I7	02 Nov 2016	41	12.96	87.98	6.4	33.31	8.0	25.1	0.86
I7	02 Nov 2016	42	12.96	87.98	6.4	33.31	8.0	25.1	0.90
I7	02 Nov 2016	43	12.94	87.94	6.4	33.31	8.0	25.1	0.86
I7	02 Nov 2016	44	12.87	87.94	6.4	33.31	8.0	25.1	0.81
I7	02 Nov 2016	45	12.80	87.89	6.3	33.32	8.0	25.1	0.76
I7	02 Nov 2016	46	12.74	87.50	6.2	33.32	8.0	25.1	0.74
I7	02 Nov 2016	47	12.70	87.16	6.2	33.32	8.0	25.2	0.70
I7	02 Nov 2016	48	12.70	86.86	6.2	33.32	8.0	25.2	0.70
I7	02 Nov 2016	49	12.67	86.71	6.2	33.33	8.0	25.2	0.68
I7	02 Nov 2016	50	12.65	86.59	6.1	33.33	8.0	25.2	0.66
I7	02 Nov 2016	51	12.63	86.40	6.1	33.33	8.0	25.2	0.67
I7	02 Nov 2016	52	12.62	86.29	6.1	33.33	8.0	25.2	0.66
I8	02 Nov 2016	1	17.31	86.30	8.4	33.34	8.2	24.2	0.60
I8	02 Nov 2016	2	17.33	86.11	8.4	33.34	8.2	24.2	0.59
I8	02 Nov 2016	3	17.28	86.16	8.4	33.34	8.2	24.2	0.58
I8	02 Nov 2016	4	17.12	86.03	8.4	33.34	8.2	24.2	0.63
I8	02 Nov 2016	5	17.05	85.97	8.4	33.34	8.2	24.2	0.72
I8	02 Nov 2016	6	16.89	85.79	8.3	33.34	8.2	24.3	0.84
I8	02 Nov 2016	7	16.38	85.32	8.4	33.33	8.2	24.4	1.02
I8	02 Nov 2016	8	16.35	84.92	8.3	33.32	8.2	24.4	1.13
I8	02 Nov 2016	9	16.03	84.90	8.3	33.31	8.2	24.4	1.37
I8	02 Nov 2016	10	15.89	84.85	8.3	33.31	8.2	24.5	1.64
I8	02 Nov 2016	11	15.78	84.60	8.3	33.30	8.2	24.5	1.83
I8	02 Nov 2016	12	15.55	84.14	8.2	33.30	8.2	24.5	1.99
I8	02 Nov 2016	13	15.32	84.08	8.2	33.29	8.2	24.6	2.35
I8	02 Nov 2016	14	15.21	83.98	8.1	33.29	8.2	24.6	2.59
I8	02 Nov 2016	15	14.95	83.64	8.1	33.28	8.1	24.7	3.00
I8	02 Nov 2016	16	14.73	83.36	7.9	33.28	8.1	24.7	3.48
I8	02 Nov 2016	17	14.53	82.60	7.8	33.28	8.1	24.7	3.89
I8	02 Nov 2016	18	14.47	82.04	7.7	33.28	8.1	24.8	4.15
I8	02 Nov 2016	19	14.43	82.02	7.6	33.28	8.1	24.8	4.29
I8	02 Nov 2016	20	14.30	82.17	7.4	33.28	8.1	24.8	4.35
I8	02 Nov 2016	21	14.25	82.20	7.4	33.28	8.1	24.8	4.35
I8	02 Nov 2016	22	14.16	82.70	7.2	33.29	8.1	24.8	4.37
I8	02 Nov 2016	23	14.06	83.07	7.1	33.29	8.1	24.9	4.30
I8	02 Nov 2016	24	13.82	83.64	6.9	33.30	8.1	24.9	3.60
I8	02 Nov 2016	25	13.63	85.22	6.8	33.29	8.0	24.9	2.62
I8	02 Nov 2016	26	13.62	86.26	6.7	33.29	8.0	24.9	2.15
I8	02 Nov 2016	27	13.49	86.87	6.6	33.30	8.0	25.0	1.94
I8	02 Nov 2016	28	13.36	86.44	6.5	33.30	8.0	25.0	1.60
I8	02 Nov 2016	29	13.36	85.75	6.5	33.30	8.0	25.0	1.45
I8	02 Nov 2016	30	13.31	84.98	6.4	33.30	8.0	25.0	1.36
I8	02 Nov 2016	31	13.30	84.62	6.4	33.30	8.0	25.0	1.33
I8	02 Nov 2016	32	13.28	84.16	6.3	33.30	8.0	25.0	1.28
I8	02 Nov 2016	33	13.27	83.89	6.3	33.30	8.0	25.0	1.23
I8	02 Nov 2016	34	13.26	83.62	6.3	33.31	8.0	25.0	1.21
I8	02 Nov 2016	35	13.25	82.20	6.3	33.31	8.0	25.0	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I8	02 Nov 2016	36	13.26	79.14	6.3	33.31	8.0	25.0	1.25
I9	02 Nov 2016	1	17.23	84.98	8.7	33.30	8.2	24.2	0.73
I9	02 Nov 2016	2	17.21	85.03	8.7	33.30	8.2	24.2	0.77
I9	02 Nov 2016	3	17.10	84.76	8.8	33.30	8.2	24.2	0.91
I9	02 Nov 2016	4	17.04	84.07	8.8	33.30	8.2	24.2	1.14
I9	02 Nov 2016	5	17.02	83.67	8.9	33.29	8.2	24.2	1.37
I9	02 Nov 2016	6	17.01	83.44	8.9	33.29	8.2	24.2	1.55
I9	02 Nov 2016	7	16.97	83.30	8.9	33.29	8.2	24.2	1.85
I9	02 Nov 2016	8	16.96	83.37	8.9	33.29	8.2	24.2	2.07
I9	02 Nov 2016	9	16.96	83.10	8.8	33.29	8.2	24.2	2.33
I9	02 Nov 2016	10	16.95	83.10	8.9	33.29	8.2	24.2	2.52
I9	02 Nov 2016	11	16.95	83.04	8.9	33.29	8.2	24.2	2.61
I9	02 Nov 2016	12	16.94	83.19	8.8	33.29	8.2	24.2	2.60
I9	02 Nov 2016	13	16.94	82.99	8.9	33.29	8.2	24.2	2.62
I9	02 Nov 2016	14	16.93	83.16	8.8	33.30	8.2	24.2	2.69
I9	02 Nov 2016	15	16.85	83.26	8.7	33.30	8.2	24.2	2.89
I9	02 Nov 2016	16	16.68	83.66	8.6	33.30	8.2	24.3	2.95
I9	02 Nov 2016	17	16.19	83.45	8.5	33.30	8.2	24.4	3.18
I9	02 Nov 2016	18	15.92	83.05	8.5	33.29	8.2	24.5	3.36
I9	02 Nov 2016	19	15.66	82.86	8.3	33.29	8.2	24.5	3.46
I9	02 Nov 2016	20	15.41	82.85	7.9	33.29	8.2	24.6	3.45
I9	02 Nov 2016	21	14.89	82.96	7.5	33.29	8.1	24.7	3.35
I9	02 Nov 2016	22	14.22	83.19	7.2	33.29	8.1	24.8	3.84
I9	02 Nov 2016	23	14.01	82.88	7.0	33.28	8.1	24.9	4.10
I9	02 Nov 2016	24	13.70	83.34	6.8	33.28	8.1	24.9	3.35
I9	02 Nov 2016	25	13.63	85.08	6.8	33.28	8.0	24.9	2.38
I9	02 Nov 2016	26	13.70	86.16	6.8	33.28	8.0	24.9	2.13
I9	02 Nov 2016	27	13.60	86.17	6.6	33.29	8.0	24.9	1.90
I9	02 Nov 2016	28	13.55	84.78	6.5	33.29	8.0	25.0	1.64
I9	02 Nov 2016	29	13.55	82.74	6.5	33.29	8.0	25.0	1.50
I10	02 Nov 2016	1	16.80	81.06	8.4	33.30	8.2	24.3	0.80
I10	02 Nov 2016	2	16.76	82.40	8.4	33.30	8.2	24.3	0.84
I10	02 Nov 2016	3	16.61	82.14	8.4	33.30	8.2	24.3	0.99
I10	02 Nov 2016	4	16.55	81.68	8.4	33.30	8.2	24.3	1.15
I10	02 Nov 2016	5	16.51	81.51	8.4	33.30	8.2	24.3	1.32
I10	02 Nov 2016	6	16.29	81.38	8.3	33.29	8.2	24.4	1.83
I10	02 Nov 2016	7	15.73	79.49	8.2	33.26	8.2	24.5	3.31
I10	02 Nov 2016	8	15.41	76.28	7.8	33.28	8.1	24.6	4.29
I10	02 Nov 2016	9	14.95	77.27	7.6	33.28	8.1	24.7	4.36
I10	02 Nov 2016	10	14.66	78.51	7.7	33.27	8.1	24.7	4.43
I10	02 Nov 2016	11	14.64	79.83	7.6	33.26	8.1	24.7	4.41
I10	02 Nov 2016	12	14.32	80.21	7.2	33.27	8.1	24.8	4.46
I10	02 Nov 2016	13	14.13	79.39	7.1	33.27	8.1	24.8	4.96
I10	02 Nov 2016	14	14.09	79.16	6.9	33.27	8.1	24.8	5.00
I10	02 Nov 2016	15	14.01	79.26	6.8	33.27	8.0	24.9	3.96
I10	02 Nov 2016	16	14.00	79.26	6.7	33.27	8.0	24.9	3.28
I10	02 Nov 2016	17	14.01	79.41	6.7	33.28	8.0	24.9	3.07
I10	02 Nov 2016	18	14.00	79.50	6.7	33.28	8.0	24.9	2.73
I10	02 Nov 2016	19	14.00	79.46	6.7	33.28	8.0	24.9	2.59
I11	02 Nov 2016	1	16.46	78.91	8.3	33.29	8.1	24.3	1.03
I11	02 Nov 2016	2	16.43	78.90	8.2	33.29	8.1	24.3	1.11
I11	02 Nov 2016	3	15.95	77.56	8.2	33.30	8.1	24.4	1.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I11	02 Nov 2016	4	15.67	76.15	8.1	33.28	8.1	24.5	2.17
I11	02 Nov 2016	5	15.43	77.37	8.0	33.28	8.1	24.6	2.69
I11	02 Nov 2016	6	15.11	77.92	7.9	33.27	8.1	24.6	3.13
I11	02 Nov 2016	7	15.04	77.57	7.8	33.27	8.1	24.6	3.74
I11	02 Nov 2016	8	14.94	77.00	7.7	33.27	8.1	24.7	4.68
I11	02 Nov 2016	9	14.86	76.99	7.6	33.27	8.1	24.7	5.11
I11	02 Nov 2016	10	14.65	76.72	7.2	33.27	8.1	24.7	5.10
I11	02 Nov 2016	11	14.40	76.49	6.9	33.27	8.1	24.8	4.42
I11	02 Nov 2016	12	14.38	76.79	6.9	33.27	8.0	24.8	3.87
I11	02 Nov 2016	13	14.38	76.43	6.8	33.27	8.0	24.8	3.63
I12	01 Nov 2016	1	16.92	83.25	8.8	33.29	8.2	24.2	1.27
I12	01 Nov 2016	2	16.89	83.10	8.8	33.29	8.2	24.2	1.33
I12	01 Nov 2016	3	16.89	83.16	8.8	33.29	8.2	24.2	1.47
I12	01 Nov 2016	4	16.88	82.99	8.8	33.29	8.2	24.2	1.61
I12	01 Nov 2016	5	16.87	83.08	8.8	33.29	8.2	24.2	1.78
I12	01 Nov 2016	6	16.87	83.10	8.8	33.29	8.2	24.2	2.19
I12	01 Nov 2016	7	16.85	82.88	8.8	33.29	8.2	24.2	2.64
I12	01 Nov 2016	8	16.84	82.86	8.8	33.29	8.2	24.2	2.93
I12	01 Nov 2016	9	16.81	82.71	8.8	33.29	8.2	24.2	3.07
I12	01 Nov 2016	10	16.79	82.68	8.8	33.29	8.2	24.3	3.06
I12	01 Nov 2016	11	16.77	82.67	8.5	33.29	8.2	24.3	3.22
I12	01 Nov 2016	12	16.37	82.35	8.2	33.26	8.2	24.3	3.64
I12	01 Nov 2016	13	15.90	80.92	8.1	33.25	8.1	24.4	3.93
I12	01 Nov 2016	14	16.19	80.46	8.0	33.25	8.1	24.4	4.00
I12	01 Nov 2016	15	15.72	79.93	7.7	33.26	8.1	24.5	4.29
I12	01 Nov 2016	16	15.21	80.30	7.4	33.24	8.1	24.6	3.95
I12	01 Nov 2016	17	14.92	81.52	7.3	33.19	8.1	24.6	3.48
I12	01 Nov 2016	18	14.79	81.94	7.3	33.17	8.0	24.6	3.14
I12	01 Nov 2016	19	14.71	82.36	7.2	33.17	8.0	24.6	2.85
I12	01 Nov 2016	20	14.44	82.47	7.0	33.16	8.0	24.7	2.63
I12	01 Nov 2016	21	14.08	82.94	7.0	33.21	8.0	24.8	2.69
I12	01 Nov 2016	22	14.11	83.90	7.0	33.27	8.0	24.8	2.55
I12	01 Nov 2016	23	14.03	83.54	7.0	33.27	8.0	24.8	2.26
I12	01 Nov 2016	24	13.91	83.75	6.8	33.27	8.0	24.9	1.86
I12	01 Nov 2016	25	13.84	83.70	6.8	33.28	8.0	24.9	1.64
I12	01 Nov 2016	26	13.82	83.88	6.8	33.28	8.0	24.9	1.53
I12	01 Nov 2016	27	13.81	83.71	6.7	33.28	8.0	24.9	1.43
I12	01 Nov 2016	28	13.74	78.77	6.6	33.28	8.0	24.9	1.50
I13	02 Nov 2016	1	17.26	75.71	8.4	33.33	8.2	24.2	0.58
I13	02 Nov 2016	2	17.24	86.17	8.4	33.34	8.2	24.2	0.58
I13	02 Nov 2016	3	17.12	86.19	8.4	33.34	8.2	24.2	0.61
I13	02 Nov 2016	4	17.03	85.99	8.4	33.34	8.2	24.2	0.69
I13	02 Nov 2016	5	17.00	85.82	8.4	33.34	8.2	24.2	0.74
I13	02 Nov 2016	6	16.93	85.53	8.4	33.33	8.2	24.3	0.83
I13	02 Nov 2016	7	16.60	84.96	8.3	33.33	8.2	24.3	1.06
I13	02 Nov 2016	8	16.05	84.53	8.2	33.32	8.2	24.4	1.41
I13	02 Nov 2016	9	15.35	84.11	8.2	33.30	8.2	24.6	1.75
I13	02 Nov 2016	10	15.23	83.52	8.2	33.28	8.2	24.6	2.06
I13	02 Nov 2016	11	15.17	83.40	8.2	33.28	8.2	24.6	2.30
I13	02 Nov 2016	12	15.03	83.24	8.2	33.27	8.2	24.6	2.57
I13	02 Nov 2016	13	14.82	82.99	8.1	33.27	8.1	24.7	2.97
I13	02 Nov 2016	14	14.70	82.61	8.0	33.27	8.1	24.7	3.26
I13	02 Nov 2016	15	14.67	82.22	8.0	33.27	8.1	24.7	3.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I13	02 Nov 2016	16	14.57	82.17	7.8	33.27	8.1	24.7	3.96
I13	02 Nov 2016	17	14.43	81.90	7.6	33.28	8.1	24.8	4.12
I13	02 Nov 2016	18	14.26	81.75	7.4	33.28	8.1	24.8	4.43
I13	02 Nov 2016	19	14.11	81.65	7.2	33.28	8.1	24.8	4.89
I13	02 Nov 2016	20	14.04	81.76	7.1	33.28	8.1	24.9	4.80
I13	02 Nov 2016	21	13.77	83.52	6.8	33.29	8.1	24.9	4.10
I13	02 Nov 2016	22	13.56	85.41	6.7	33.30	8.0	25.0	2.99
I13	02 Nov 2016	23	13.47	86.25	6.7	33.30	8.0	25.0	2.36
I13	02 Nov 2016	24	13.44	86.81	6.6	33.30	8.0	25.0	1.95
I13	02 Nov 2016	25	13.38	86.99	6.5	33.30	8.0	25.0	1.72
I13	02 Nov 2016	26	13.32	86.59	6.5	33.30	8.0	25.0	1.53
I13	02 Nov 2016	27	13.28	86.43	6.4	33.30	8.0	25.0	1.45
I13	02 Nov 2016	28	13.25	86.27	6.4	33.30	8.0	25.0	1.34
I13	02 Nov 2016	29	13.23	86.19	6.4	33.31	8.0	25.0	1.30
I13	02 Nov 2016	30	13.20	86.03	6.3	33.31	8.0	25.0	1.23
I13	02 Nov 2016	31	13.19	85.48	6.3	33.31	8.0	25.0	1.18
I13	02 Nov 2016	32	13.18	85.34	6.2	33.31	8.0	25.0	1.15
I13	02 Nov 2016	33	13.17	85.06	6.2	33.31	8.0	25.1	1.11
I13	02 Nov 2016	34	13.16	84.83	6.2	33.31	8.0	25.1	1.10
I13	02 Nov 2016	35	13.13	84.70	6.2	33.31	8.0	25.1	1.07
I13	02 Nov 2016	36	13.12	84.33	6.1	33.31	8.0	25.1	1.06
I13	02 Nov 2016	37	13.13	83.73	6.1	33.31	8.0	25.1	1.08
I13	02 Nov 2016	38	13.12	82.59	6.1	33.31	8.0	25.1	1.04
I14	01 Nov 2016	1	16.96	83.71	8.8	33.30	8.2	24.2	1.12
I14	01 Nov 2016	2	16.95	83.88	8.8	33.30	8.2	24.2	1.12
I14	01 Nov 2016	3	16.89	83.48	8.8	33.30	8.2	24.2	1.40
I14	01 Nov 2016	4	16.88	83.43	8.8	33.29	8.2	24.2	1.60
I14	01 Nov 2016	5	16.88	83.35	8.8	33.29	8.2	24.2	1.76
I14	01 Nov 2016	6	16.87	83.31	8.8	33.29	8.2	24.2	2.04
I14	01 Nov 2016	7	16.86	83.18	8.7	33.29	8.2	24.2	2.33
I14	01 Nov 2016	8	16.85	82.99	8.8	33.29	8.2	24.2	2.56
I14	01 Nov 2016	9	16.85	83.08	8.7	33.29	8.2	24.2	2.67
I14	01 Nov 2016	10	16.77	82.68	8.5	33.29	8.2	24.3	3.35
I14	01 Nov 2016	11	16.23	80.70	8.4	33.26	8.2	24.4	4.26
I14	01 Nov 2016	12	16.34	80.13	8.2	33.27	8.1	24.3	4.35
I14	01 Nov 2016	13	15.87	80.47	7.9	33.26	8.1	24.4	4.32
I14	01 Nov 2016	14	15.76	80.58	7.8	33.25	8.1	24.5	4.24
I14	01 Nov 2016	15	15.62	80.62	7.7	33.24	8.1	24.5	4.19
I14	01 Nov 2016	16	15.45	80.64	7.5	33.25	8.1	24.5	4.19
I14	01 Nov 2016	17	14.95	80.46	7.3	33.26	8.1	24.6	4.17
I14	01 Nov 2016	18	14.71	81.33	7.2	33.25	8.0	24.7	3.75
I14	01 Nov 2016	19	14.43	82.89	7.2	33.23	8.0	24.7	3.19
I14	01 Nov 2016	20	14.29	83.92	7.2	33.24	8.0	24.8	2.86
I14	01 Nov 2016	21	14.27	84.05	7.2	33.24	8.0	24.8	2.85
I14	01 Nov 2016	22	14.09	84.33	7.0	33.27	8.0	24.8	2.56
I14	01 Nov 2016	23	13.94	84.64	7.0	33.27	8.0	24.9	2.34
I14	01 Nov 2016	24	13.94	84.98	7.0	33.27	8.0	24.9	2.27
I14	01 Nov 2016	25	13.91	85.09	6.9	33.27	8.0	24.9	2.08
I14	01 Nov 2016	26	13.84	84.40	6.7	33.28	8.0	24.9	1.72
I14	01 Nov 2016	27	13.81	81.98	6.7	33.28	8.0	24.9	1.49
I14	01 Nov 2016	28	13.81	76.65	6.6	33.28	8.0	24.9	1.33
I15	01 Nov 2016	1	17.15	82.43	8.9	33.29	8.2	24.2	1.58
I15	01 Nov 2016	2	17.15	81.42	8.9	33.29	8.2	24.2	1.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I15	01 Nov 2016	3	17.12	82.37	8.9	33.29	8.2	24.2	1.77
I15	01 Nov 2016	4	17.05	82.56	8.8	33.29	8.2	24.2	1.84
I15	01 Nov 2016	5	17.04	82.87	8.8	33.29	8.2	24.2	1.93
I15	01 Nov 2016	6	17.02	83.45	8.8	33.30	8.2	24.2	2.04
I15	01 Nov 2016	7	16.98	83.65	8.8	33.29	8.2	24.2	2.40
I15	01 Nov 2016	8	16.94	83.40	8.8	33.29	8.2	24.2	2.80
I15	01 Nov 2016	9	16.92	83.21	8.7	33.29	8.2	24.2	3.05
I15	01 Nov 2016	10	16.75	82.89	8.7	33.29	8.2	24.3	3.42
I15	01 Nov 2016	11	16.50	82.18	8.6	33.28	8.2	24.3	3.74
I15	01 Nov 2016	12	16.40	81.57	8.4	33.27	8.2	24.3	3.92
I15	01 Nov 2016	13	16.12	81.16	8.1	33.26	8.2	24.4	4.03
I15	01 Nov 2016	14	15.75	80.97	7.9	33.26	8.1	24.5	3.85
I15	01 Nov 2016	15	15.79	81.05	7.8	33.25	8.1	24.5	3.88
I15	01 Nov 2016	16	15.29	81.10	7.5	33.24	8.1	24.6	3.70
I15	01 Nov 2016	17	14.88	81.44	7.4	33.21	8.1	24.6	3.45
I15	01 Nov 2016	18	14.77	81.68	7.2	33.20	8.1	24.6	3.12
I15	01 Nov 2016	19	14.33	82.33	7.1	33.18	8.1	24.7	2.83
I15	01 Nov 2016	20	14.18	83.10	7.1	33.24	8.0	24.8	2.78
I15	01 Nov 2016	21	13.99	84.23	7.0	33.27	8.0	24.9	2.52
I15	01 Nov 2016	22	13.90	84.68	6.9	33.27	8.0	24.9	2.07
I15	01 Nov 2016	23	13.91	84.38	6.8	33.27	8.0	24.9	1.85
I15	01 Nov 2016	24	13.86	84.51	6.8	33.28	8.0	24.9	1.70
I15	01 Nov 2016	25	13.83	84.54	6.8	33.28	8.0	24.9	1.58
I15	01 Nov 2016	26	13.80	84.46	6.7	33.28	8.0	24.9	1.48
I15	01 Nov 2016	27	13.72	84.38	6.7	33.28	8.0	24.9	1.35
I15	01 Nov 2016	28	13.69	83.54	6.6	33.29	8.0	24.9	1.28
I15	01 Nov 2016	29	13.67	79.83	6.6	33.29	8.0	24.9	1.24
I15	01 Nov 2016	30	13.66	79.64	6.6	33.29	8.0	24.9	1.27
I15	01 Nov 2016	31	13.65	78.41	6.6	33.29	8.0	24.9	1.26
I16	01 Nov 2016	1	16.93	84.28	8.8	33.30	8.2	24.2	1.02
I16	01 Nov 2016	2	16.89	84.00	8.8	33.30	8.2	24.2	1.14
I16	01 Nov 2016	3	16.87	83.41	8.8	33.30	8.2	24.2	1.27
I16	01 Nov 2016	4	16.85	83.46	8.7	33.30	8.2	24.2	1.46
I16	01 Nov 2016	5	16.85	83.26	8.7	33.30	8.2	24.2	1.66
I16	01 Nov 2016	6	16.82	82.76	8.7	33.29	8.2	24.2	1.96
I16	01 Nov 2016	7	16.81	82.87	8.8	33.29	8.2	24.2	2.33
I16	01 Nov 2016	8	16.80	83.00	8.8	33.29	8.2	24.2	2.52
I16	01 Nov 2016	9	16.79	82.82	8.8	33.29	8.2	24.3	2.78
I16	01 Nov 2016	10	16.79	82.89	8.8	33.29	8.2	24.3	2.76
I16	01 Nov 2016	11	16.76	82.73	8.8	33.29	8.2	24.3	2.90
I16	01 Nov 2016	12	16.75	82.61	8.6	33.29	8.2	24.3	3.08
I16	01 Nov 2016	13	16.36	82.04	8.3	33.28	8.2	24.3	3.59
I16	01 Nov 2016	14	16.01	81.11	8.1	33.27	8.1	24.4	4.24
I16	01 Nov 2016	15	15.93	80.75	8.0	33.26	8.1	24.4	4.51
I16	01 Nov 2016	16	15.87	80.12	7.9	33.26	8.1	24.4	4.64
I16	01 Nov 2016	17	15.69	79.88	7.8	33.25	8.1	24.5	4.72
I16	01 Nov 2016	18	15.48	79.88	7.5	33.26	8.1	24.5	4.64
I16	01 Nov 2016	19	14.92	80.02	7.3	33.25	8.1	24.6	4.14
I16	01 Nov 2016	20	14.56	81.41	7.2	33.20	8.0	24.7	3.46
I16	01 Nov 2016	21	14.43	81.73	7.1	33.18	8.0	24.7	2.99
I16	01 Nov 2016	22	14.21	82.39	7.1	33.21	8.0	24.8	2.75
I16	01 Nov 2016	23	14.04	83.16	7.0	33.25	8.0	24.8	2.61
I16	01 Nov 2016	24	13.97	84.02	6.9	33.26	8.0	24.8	2.34
I16	01 Nov 2016	25	13.87	83.55	6.8	33.27	8.0	24.9	1.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I16	01 Nov 2016	26	13.89	82.80	6.8	33.27	8.0	24.9	1.67
I16	01 Nov 2016	27	13.83	82.19	6.7	33.28	8.0	24.9	1.45
I16	01 Nov 2016	28	13.78	81.02	6.6	33.28	8.0	24.9	1.32
I17	01 Nov 2016	1	16.97	81.66	8.6	33.30	8.2	24.2	0.73
I17	01 Nov 2016	2	16.96	82.22	8.6	33.30	8.2	24.2	0.75
I17	01 Nov 2016	3	16.91	82.67	8.6	33.30	8.2	24.2	0.84
I17	01 Nov 2016	4	16.86	83.56	8.5	33.31	8.2	24.2	1.26
I17	01 Nov 2016	5	16.15	82.42	8.1	33.26	8.2	24.4	2.97
I17	01 Nov 2016	6	15.82	79.08	8.1	33.24	8.1	24.4	4.75
I17	01 Nov 2016	7	15.70	80.04	7.8	33.24	8.1	24.5	5.16
I17	01 Nov 2016	8	15.35	78.82	7.5	33.22	8.1	24.5	4.92
I17	01 Nov 2016	9	15.19	79.23	7.4	33.23	8.1	24.6	4.59
I17	01 Nov 2016	10	15.02	79.43	7.4	33.24	8.1	24.6	4.42
I17	01 Nov 2016	11	14.87	79.58	7.2	33.24	8.1	24.6	4.08
I17	01 Nov 2016	12	14.44	81.01	7.2	33.20	8.1	24.7	3.27
I17	01 Nov 2016	13	14.32	82.01	7.1	33.21	8.0	24.7	2.95
I17	01 Nov 2016	14	14.08	82.64	7.0	33.23	8.0	24.8	2.62
I17	01 Nov 2016	15	13.99	83.32	7.0	33.25	8.0	24.8	2.55
I17	01 Nov 2016	16	13.98	83.76	7.0	33.26	8.0	24.8	2.53
I17	01 Nov 2016	17	13.99	83.92	7.0	33.27	8.0	24.9	2.66
I17	01 Nov 2016	18	13.99	84.10	7.0	33.27	8.0	24.9	2.65
I17	01 Nov 2016	19	13.96	84.08	6.9	33.28	8.0	24.9	2.34
I17	01 Nov 2016	20	13.94	84.31	6.9	33.28	8.0	24.9	2.25
I17	01 Nov 2016	21	13.92	84.18	6.8	33.28	8.0	24.9	1.95
I17	01 Nov 2016	22	13.92	83.82	6.8	33.28	8.0	24.9	1.85
I17	01 Nov 2016	23	13.90	83.15	6.7	33.28	8.0	24.9	1.68
I17	01 Nov 2016	24	13.89	81.88	6.7	33.28	8.0	24.9	1.53
I17	01 Nov 2016	25	13.89	81.08	6.7	33.28	8.0	24.9	1.48
I18	01 Nov 2016	1	16.89	84.83	8.6	33.30	8.2	24.2	0.74
I18	01 Nov 2016	2	16.84	84.36	8.6	33.30	8.2	24.2	0.84
I18	01 Nov 2016	3	16.55	83.82	8.3	33.31	8.2	24.3	1.02
I18	01 Nov 2016	4	15.82	82.01	8.0	33.28	8.1	24.5	1.39
I18	01 Nov 2016	5	15.58	80.04	7.9	33.28	8.1	24.5	2.23
I18	01 Nov 2016	6	15.42	78.73	7.6	33.28	8.1	24.6	3.14
I18	01 Nov 2016	7	15.23	78.35	7.5	33.28	8.1	24.6	3.65
I18	01 Nov 2016	8	15.11	79.23	7.4	33.28	8.1	24.6	3.74
I18	01 Nov 2016	9	14.96	79.16	7.4	33.28	8.1	24.7	3.92
I18	01 Nov 2016	10	14.76	78.57	7.5	33.28	8.1	24.7	4.20
I18	01 Nov 2016	11	14.63	78.38	7.4	33.28	8.1	24.7	4.55
I18	01 Nov 2016	12	14.42	78.40	7.3	33.28	8.0	24.8	4.77
I18	01 Nov 2016	13	14.38	79.54	7.2	33.27	8.0	24.8	4.86
I18	01 Nov 2016	14	14.21	80.19	7.0	33.28	8.0	24.8	4.73
I18	01 Nov 2016	15	14.12	80.04	6.9	33.28	8.0	24.8	4.31
I18	01 Nov 2016	16	14.09	80.11	6.9	33.28	8.0	24.8	3.89
I18	01 Nov 2016	17	14.08	80.17	6.9	33.28	8.0	24.8	3.61
I18	01 Nov 2016	18	14.06	80.39	6.8	33.28	8.0	24.8	2.92
I18	01 Nov 2016	19	14.05	79.13	6.8	33.28	8.0	24.8	2.35
I20	02 Nov 2016	1	16.73	85.26	8.4	33.33	8.2	24.3	1.03
I20	02 Nov 2016	2	16.73	85.30	8.4	33.33	8.2	24.3	1.03
I20	02 Nov 2016	3	16.73	85.35	8.4	33.33	8.2	24.3	1.07
I20	02 Nov 2016	4	16.73	85.29	8.3	33.32	8.2	24.3	1.15
I20	02 Nov 2016	5	16.73	85.11	8.4	33.33	8.2	24.3	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I20	02 Nov 2016	6	16.69	84.49	8.4	33.32	8.2	24.3	1.32
I20	02 Nov 2016	7	16.68	84.68	8.4	33.32	8.2	24.3	1.45
I20	02 Nov 2016	8	16.43	84.46	8.4	33.32	8.2	24.4	1.75
I20	02 Nov 2016	9	16.22	84.04	8.5	33.30	8.2	24.4	2.00
I20	02 Nov 2016	10	16.01	83.81	8.5	33.30	8.2	24.4	2.15
I20	02 Nov 2016	11	15.54	83.79	8.4	33.29	8.2	24.5	2.32
I20	02 Nov 2016	12	15.04	83.17	8.2	33.28	8.1	24.6	2.83
I20	02 Nov 2016	13	15.05	82.18	8.0	33.27	8.1	24.6	3.36
I20	02 Nov 2016	14	14.71	81.39	7.8	33.28	8.1	24.7	4.09
I20	02 Nov 2016	15	14.40	81.82	7.6	33.27	8.1	24.8	4.00
I20	02 Nov 2016	16	14.45	84.02	7.6	33.27	8.1	24.8	3.85
I20	02 Nov 2016	17	14.31	85.08	7.5	33.27	8.1	24.8	3.14
I20	02 Nov 2016	18	14.22	85.46	7.4	33.27	8.1	24.8	2.63
I20	02 Nov 2016	19	14.16	85.82	7.4	33.27	8.1	24.8	2.36
I20	02 Nov 2016	20	14.18	86.08	7.4	33.28	8.1	24.8	2.34
I20	02 Nov 2016	21	14.13	86.14	7.3	33.28	8.1	24.8	2.21
I20	02 Nov 2016	22	14.06	86.43	7.3	33.28	8.1	24.8	1.93
I20	02 Nov 2016	23	13.99	87.11	7.2	33.28	8.1	24.9	1.73
I20	02 Nov 2016	24	13.95	87.34	7.1	33.28	8.1	24.9	1.62
I20	02 Nov 2016	25	13.70	87.52	7.1	33.28	8.0	24.9	1.44
I20	02 Nov 2016	26	13.72	87.66	7.0	33.28	8.0	24.9	1.33
I20	02 Nov 2016	27	13.61	87.80	7.0	33.28	8.0	24.9	1.28
I20	02 Nov 2016	28	13.65	87.73	7.0	33.28	8.0	24.9	1.33
I20	02 Nov 2016	29	13.51	87.89	6.9	33.28	8.0	25.0	1.23
I20	02 Nov 2016	30	13.43	87.96	6.9	33.29	8.0	25.0	1.13
I20	02 Nov 2016	31	13.50	88.01	6.9	33.29	8.0	25.0	1.15
I20	02 Nov 2016	32	13.39	88.12	6.8	33.29	8.0	25.0	1.08
I20	02 Nov 2016	33	13.34	88.18	6.8	33.29	8.0	25.0	1.05
I20	02 Nov 2016	34	13.33	88.20	6.8	33.29	8.0	25.0	1.05
I20	02 Nov 2016	35	13.28	88.22	6.8	33.29	8.0	25.0	1.01
I20	02 Nov 2016	36	13.25	88.23	6.7	33.29	8.0	25.0	0.98
I20	02 Nov 2016	37	13.23	88.20	6.7	33.29	8.0	25.0	0.97
I20	02 Nov 2016	38	13.20	88.25	6.7	33.30	8.0	25.0	0.95
I20	02 Nov 2016	39	13.19	88.30	6.7	33.30	8.0	25.0	0.93
I20	02 Nov 2016	40	13.18	88.30	6.7	33.30	8.0	25.0	0.92
I20	02 Nov 2016	41	13.16	88.26	6.7	33.30	8.0	25.0	0.91
I20	02 Nov 2016	42	13.13	88.29	6.6	33.30	8.0	25.0	0.90
I20	02 Nov 2016	43	13.11	88.33	6.7	33.30	8.0	25.1	0.89
I20	02 Nov 2016	44	13.10	88.34	6.6	33.30	8.0	25.1	0.89
I20	02 Nov 2016	45	13.09	88.30	6.6	33.30	8.0	25.1	0.89
I20	02 Nov 2016	46	13.09	88.32	6.6	33.30	8.0	25.1	0.88
I20	02 Nov 2016	47	13.06	88.40	6.6	33.30	8.0	25.1	0.88
I20	02 Nov 2016	48	13.01	88.35	6.6	33.30	8.0	25.1	0.86
I20	02 Nov 2016	49	12.92	88.26	6.5	33.31	8.0	25.1	0.81
I20	02 Nov 2016	50	12.83	88.10	6.4	33.31	8.0	25.1	0.75
I20	02 Nov 2016	51	12.60	87.89	6.3	33.33	8.0	25.2	0.69
I20	02 Nov 2016	52	12.45	87.86	6.2	33.33	8.0	25.2	0.62
I20	02 Nov 2016	53	12.44	87.80	6.2	33.33	8.0	25.2	0.58
I20	02 Nov 2016	54	12.37	87.61	6.1	33.34	8.0	25.2	0.55
I20	02 Nov 2016	55	12.32	87.38	6.0	33.34	7.9	25.2	0.54
I21	02 Nov 2016	1	17.26	85.78	8.4	33.34	8.2	24.2	0.58
I21	02 Nov 2016	2	17.26	86.07	8.4	33.34	8.2	24.2	0.58
I21	02 Nov 2016	3	17.09	86.01	8.4	33.34	8.2	24.2	0.61
I21	02 Nov 2016	4	16.98	85.61	8.4	33.33	8.2	24.2	0.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I21	02 Nov 2016	5	16.71	85.16	8.3	33.33	8.2	24.3	0.77
I21	02 Nov 2016	6	16.22	85.17	8.4	33.31	8.2	24.4	0.88
I21	02 Nov 2016	7	15.97	85.15	8.4	33.30	8.2	24.4	1.05
I21	02 Nov 2016	8	15.71	84.85	8.3	33.29	8.2	24.5	1.25
I21	02 Nov 2016	9	15.29	83.96	8.2	33.28	8.2	24.6	1.65
I21	02 Nov 2016	10	15.18	82.16	8.0	33.28	8.1	24.6	2.08
I21	02 Nov 2016	11	14.89	81.80	7.8	33.27	8.1	24.7	2.65
I21	02 Nov 2016	12	14.68	81.64	7.8	33.27	8.1	24.7	3.44
I21	02 Nov 2016	13	14.57	81.19	7.6	33.27	8.1	24.7	3.96
I21	02 Nov 2016	14	14.29	81.30	7.4	33.28	8.1	24.8	4.04
I21	02 Nov 2016	15	14.14	81.92	7.2	33.28	8.1	24.8	3.86
I21	02 Nov 2016	16	14.03	83.03	7.1	33.28	8.1	24.9	3.75
I21	02 Nov 2016	17	13.93	83.85	7.0	33.28	8.1	24.9	3.47
I21	02 Nov 2016	18	13.86	84.57	7.0	33.28	8.1	24.9	3.02
I21	02 Nov 2016	19	13.85	84.76	7.0	33.28	8.1	24.9	2.78
I21	02 Nov 2016	20	13.83	85.67	6.9	33.29	8.1	24.9	2.68
I21	02 Nov 2016	21	13.82	85.87	6.9	33.29	8.1	24.9	2.57
I21	02 Nov 2016	22	13.82	85.88	6.9	33.29	8.1	24.9	2.47
I21	02 Nov 2016	23	13.81	85.90	6.9	33.29	8.0	24.9	2.38
I21	02 Nov 2016	24	13.80	86.04	6.8	33.29	8.0	24.9	2.27
I21	02 Nov 2016	25	13.78	86.17	6.8	33.29	8.0	24.9	2.19
I21	02 Nov 2016	26	13.71	86.43	6.7	33.29	8.0	24.9	2.07
I21	02 Nov 2016	27	13.56	86.73	6.7	33.30	8.0	25.0	1.89
I21	02 Nov 2016	28	13.54	87.11	6.6	33.30	8.0	25.0	1.79
I21	02 Nov 2016	29	13.43	87.22	6.5	33.30	8.0	25.0	1.59
I21	02 Nov 2016	30	13.30	87.42	6.4	33.31	8.0	25.0	1.43
I21	02 Nov 2016	31	13.19	87.35	6.3	33.31	8.0	25.0	1.27
I21	02 Nov 2016	32	13.16	87.21	6.3	33.31	8.0	25.1	1.16
I21	02 Nov 2016	33	13.14	87.20	6.3	33.31	8.0	25.1	1.10
I21	02 Nov 2016	34	13.10	87.20	6.2	33.31	8.0	25.1	1.07
I21	02 Nov 2016	35	13.04	87.08	6.2	33.31	8.0	25.1	1.04
I21	02 Nov 2016	36	13.05	87.07	6.2	33.31	8.0	25.1	1.02
I21	02 Nov 2016	37	12.98	86.99	6.2	33.32	8.0	25.1	0.97
I21	02 Nov 2016	38	12.95	86.85	6.2	33.32	8.0	25.1	0.95
I21	02 Nov 2016	39	12.93	86.73	6.1	33.32	8.0	25.1	0.93
I21	02 Nov 2016	40	12.91	86.64	6.1	33.32	8.0	25.1	0.91
I21	02 Nov 2016	41	12.90	85.84	6.1	33.32	8.0	25.1	0.90
I22	01 Nov 2016	1	17.00	83.57	8.7	33.30	8.2	24.2	1.10
I22	01 Nov 2016	2	16.97	83.72	8.7	33.30	8.2	24.2	1.22
I22	01 Nov 2016	3	16.95	83.78	8.7	33.30	8.2	24.2	1.33
I22	01 Nov 2016	4	16.92	83.56	8.8	33.29	8.2	24.2	1.60
I22	01 Nov 2016	5	16.91	83.44	8.8	33.29	8.2	24.2	1.78
I22	01 Nov 2016	6	16.91	83.38	8.8	33.29	8.2	24.2	2.15
I22	01 Nov 2016	7	16.90	83.10	8.8	33.29	8.2	24.2	2.31
I22	01 Nov 2016	8	16.90	83.20	8.7	33.29	8.2	24.2	2.38
I22	01 Nov 2016	9	16.88	83.19	8.8	33.29	8.2	24.2	2.62
I22	01 Nov 2016	10	16.86	83.20	8.6	33.29	8.2	24.2	2.90
I22	01 Nov 2016	11	16.44	82.53	8.2	33.27	8.2	24.3	3.64
I22	01 Nov 2016	12	15.89	81.08	8.0	33.24	8.1	24.4	4.36
I22	01 Nov 2016	13	15.70	80.58	8.0	33.23	8.1	24.5	4.64
I22	01 Nov 2016	14	15.74	80.46	7.8	33.24	8.1	24.5	4.72
I22	01 Nov 2016	15	15.35	80.52	7.6	33.24	8.1	24.5	4.74
I22	01 Nov 2016	16	15.20	80.77	7.3	33.25	8.1	24.6	4.46
I22	01 Nov 2016	17	14.64	81.27	7.1	33.25	8.0	24.7	3.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I22	01 Nov 2016	18	14.49	82.39	7.1	33.24	8.0	24.7	3.28
I22	01 Nov 2016	19	14.46	82.73	7.0	33.25	8.0	24.7	2.89
I22	01 Nov 2016	20	14.32	82.94	7.0	33.25	8.0	24.8	2.49
I22	01 Nov 2016	21	13.99	83.87	6.9	33.27	8.0	24.9	2.02
I22	01 Nov 2016	22	13.88	84.53	6.8	33.27	8.0	24.9	1.78
I22	01 Nov 2016	23	13.82	84.40	6.8	33.28	8.0	24.9	1.55
I22	01 Nov 2016	24	13.81	83.64	6.7	33.28	8.0	24.9	1.44
I22	01 Nov 2016	25	13.80	82.33	6.7	33.28	8.0	24.9	1.36
I22	01 Nov 2016	26	13.82	81.27	6.7	33.28	8.0	24.9	1.36
I22	01 Nov 2016	27	13.79	80.04	6.6	33.28	8.0	24.9	1.32
I22	01 Nov 2016	28	13.75	77.61	6.6	33.28	8.0	24.9	1.33
I23	01 Nov 2016	1	17.01	84.28	8.6	33.30	8.1	24.2	0.82
I23	01 Nov 2016	2	17.00	83.78	8.6	33.30	8.1	24.2	0.85
I23	01 Nov 2016	3	16.66	83.11	8.4	33.30	8.1	24.3	0.98
I23	01 Nov 2016	4	15.83	82.46	8.1	33.29	8.1	24.5	1.38
I23	01 Nov 2016	5	15.58	80.41	7.9	33.28	8.1	24.5	2.19
I23	01 Nov 2016	6	15.34	79.16	7.5	33.28	8.1	24.6	2.95
I23	01 Nov 2016	7	15.08	78.30	7.3	33.27	8.1	24.6	4.04
I23	01 Nov 2016	8	14.92	77.31	7.2	33.27	8.0	24.7	5.69
I23	01 Nov 2016	9	14.86	76.85	7.2	33.26	8.0	24.7	6.75
I23	01 Nov 2016	10	14.77	76.61	7.1	33.25	8.0	24.7	6.30
I23	01 Nov 2016	11	14.71	77.19	7.0	33.25	8.0	24.7	5.60
I23	01 Nov 2016	12	14.68	77.49	6.9	33.26	8.0	24.7	4.65
I23	01 Nov 2016	13	14.66	77.66	6.8	33.27	8.0	24.7	4.36
I23	01 Nov 2016	14	14.56	77.70	6.5	33.28	8.0	24.7	3.82
I23	01 Nov 2016	15	14.41	77.35	6.4	33.29	8.0	24.8	3.17
I23	01 Nov 2016	16	14.19	75.80	6.5	33.28	8.0	24.8	2.77
I23	01 Nov 2016	17	14.28	75.59	6.5	33.28	8.0	24.8	2.74
I23	01 Nov 2016	18	14.16	75.04	6.5	33.28	8.0	24.8	2.59
I23	01 Nov 2016	19	14.14	74.18	6.5	33.28	8.0	24.8	2.48
I23	01 Nov 2016	20	14.14	74.13	6.5	33.28	8.0	24.8	2.27
I23	01 Nov 2016	21	14.14	73.12	6.5	33.28	8.0	24.8	2.21
I27	01 Nov 2016	1	16.81	83.25	8.2	33.28	8.1	24.2	1.88
I27	01 Nov 2016	2	16.82	84.08	8.4	33.29	8.1	24.2	1.89
I27	01 Nov 2016	3	16.81	84.22	8.4	33.30	8.1	24.3	1.83
I27	01 Nov 2016	4	16.59	83.40	8.4	33.32	8.1	24.3	2.06
I27	01 Nov 2016	5	16.43	81.32	8.3	33.31	8.1	24.3	2.93
I27	01 Nov 2016	6	16.19	80.50	8.2	33.30	8.1	24.4	3.84
I27	01 Nov 2016	7	15.65	80.37	7.9	33.29	8.1	24.5	4.30
I27	01 Nov 2016	8	15.65	80.51	7.8	33.26	8.0	24.5	4.49
I27	01 Nov 2016	9	15.44	80.93	7.7	33.26	8.0	24.5	4.52
I27	01 Nov 2016	10	15.21	81.97	7.4	33.28	8.0	24.6	4.08
I27	01 Nov 2016	11	15.11	82.51	7.3	33.28	8.0	24.6	3.45
I27	01 Nov 2016	12	14.93	82.58	7.1	33.28	8.0	24.7	3.06
I27	01 Nov 2016	13	14.82	82.65	6.9	33.29	8.0	24.7	2.63
I27	01 Nov 2016	14	14.64	82.85	6.8	33.29	8.0	24.7	2.21
I27	01 Nov 2016	15	14.50	83.18	6.9	33.28	8.0	24.8	1.82
I27	01 Nov 2016	16	14.40	84.05	7.0	33.28	8.0	24.8	1.64
I27	01 Nov 2016	17	14.35	84.53	7.0	33.28	8.0	24.8	1.69
I27	01 Nov 2016	18	14.16	84.79	6.9	33.28	8.0	24.8	1.65
I27	01 Nov 2016	19	13.96	85.24	7.0	33.28	8.0	24.9	1.55
I27	01 Nov 2016	20	13.97	85.90	6.9	33.28	8.0	24.9	1.51
I27	01 Nov 2016	21	13.83	86.72	6.9	33.28	8.0	24.9	1.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I27	01 Nov 2016	22	13.80	86.84	6.9	33.28	8.0	24.9	1.40
I27	01 Nov 2016	23	13.77	86.80	6.8	33.28	8.0	24.9	1.36
I27	01 Nov 2016	24	13.75	86.70	6.8	33.29	8.0	24.9	1.30
I27	01 Nov 2016	25	13.72	86.29	6.7	33.29	8.0	24.9	1.25
I27	01 Nov 2016	26	13.60	83.01	6.6	33.30	8.0	25.0	1.14
I27	01 Nov 2016	27	13.62	78.13	6.5	33.29	8.0	24.9	1.05
I27	01 Nov 2016	28	13.62	76.29	6.5	33.29	8.0	24.9	1.09
I28	03 Nov 2016	1	16.37	85.42	8.5	33.31	8.1	24.4	0.82
I28	03 Nov 2016	2	16.36	85.49	8.5	33.31	8.1	24.4	0.82
I28	03 Nov 2016	3	16.35	85.47	8.5	33.31	8.1	24.4	0.84
I28	03 Nov 2016	4	16.34	85.49	8.5	33.31	8.1	24.4	0.89
I28	03 Nov 2016	5	16.33	85.33	8.5	33.31	8.1	24.4	0.94
I28	03 Nov 2016	6	16.31	85.31	8.5	33.31	8.1	24.4	1.06
I28	03 Nov 2016	7	16.28	85.10	8.5	33.31	8.1	24.4	1.28
I28	03 Nov 2016	8	16.25	84.93	8.5	33.31	8.1	24.4	1.52
I28	03 Nov 2016	9	16.21	84.74	8.5	33.31	8.1	24.4	1.55
I28	03 Nov 2016	10	16.16	84.97	8.4	33.30	8.1	24.4	1.55
I28	03 Nov 2016	11	16.08	85.05	8.4	33.30	8.1	24.4	1.55
I28	03 Nov 2016	12	15.97	85.19	8.4	33.30	8.1	24.4	1.59
I28	03 Nov 2016	13	15.77	85.20	8.3	33.30	8.1	24.5	1.71
I28	03 Nov 2016	14	15.46	84.83	8.2	33.29	8.1	24.6	2.08
I28	03 Nov 2016	15	15.01	84.20	8.0	33.28	8.1	24.6	2.39
I28	03 Nov 2016	16	14.62	83.79	7.8	33.27	8.1	24.7	2.85
I28	03 Nov 2016	17	14.46	83.43	7.7	33.27	8.1	24.8	3.19
I28	03 Nov 2016	18	14.32	83.04	7.6	33.27	8.1	24.8	4.09
I28	03 Nov 2016	19	14.14	81.18	7.5	33.27	8.1	24.8	5.80
I28	03 Nov 2016	20	13.89	80.39	7.4	33.27	8.0	24.9	5.19
I28	03 Nov 2016	21	13.76	83.52	7.3	33.26	8.0	24.9	3.77
I28	03 Nov 2016	22	13.69	85.24	7.3	33.26	8.0	24.9	2.96
I28	03 Nov 2016	23	13.64	86.07	7.2	33.26	8.0	24.9	2.58
I28	03 Nov 2016	24	13.58	86.72	7.2	33.27	8.0	24.9	2.16
I28	03 Nov 2016	25	13.53	87.26	7.1	33.27	8.0	24.9	1.94
I28	03 Nov 2016	26	13.43	87.56	7.1	33.27	8.0	25.0	1.74
I28	03 Nov 2016	27	13.38	87.81	7.0	33.27	8.0	25.0	1.62
I28	03 Nov 2016	28	13.32	88.06	7.0	33.27	8.0	25.0	1.42
I28	03 Nov 2016	29	13.11	88.31	6.9	33.27	8.0	25.0	1.25
I28	03 Nov 2016	30	12.94	88.72	6.9	33.27	8.0	25.1	1.11
I28	03 Nov 2016	31	12.86	88.89	6.8	33.27	8.0	25.1	1.02
I28	03 Nov 2016	32	12.84	89.00	6.8	33.27	8.0	25.1	1.01
I28	03 Nov 2016	33	12.77	89.03	6.8	33.28	8.0	25.1	0.94
I28	03 Nov 2016	34	12.72	89.03	6.8	33.28	8.0	25.1	0.92
I28	03 Nov 2016	35	12.68	89.15	6.7	33.29	8.0	25.1	0.90
I28	03 Nov 2016	36	12.65	89.12	6.7	33.29	8.0	25.1	0.90
I28	03 Nov 2016	37	12.59	89.07	6.6	33.30	8.0	25.2	0.86
I28	03 Nov 2016	38	12.50	89.14	6.5	33.30	8.0	25.2	0.81
I28	03 Nov 2016	39	12.27	89.23	6.4	33.32	8.0	25.2	0.74
I28	03 Nov 2016	40	12.17	89.19	6.3	33.33	8.0	25.3	0.67
I28	03 Nov 2016	41	12.15	89.10	6.3	33.33	7.9	25.3	0.63
I28	03 Nov 2016	42	12.08	89.07	6.2	33.33	7.9	25.3	0.61
I28	03 Nov 2016	43	12.03	88.94	6.2	33.34	7.9	25.3	0.58
I28	03 Nov 2016	44	11.99	88.65	6.1	33.35	7.9	25.3	0.57
I28	03 Nov 2016	45	11.96	88.63	6.0	33.36	7.9	25.3	0.56
I28	03 Nov 2016	46	11.94	88.40	6.0	33.37	7.9	25.3	0.54
I28	03 Nov 2016	47	11.93	88.29	5.9	33.37	7.9	25.3	0.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I28	03 Nov 2016	48	11.91	87.98	5.9	33.38	7.9	25.3	0.53
I28	03 Nov 2016	49	11.91	87.80	5.8	33.38	7.9	25.3	0.52
I28	03 Nov 2016	50	11.90	87.58	5.8	33.38	7.9	25.3	0.52
I28	03 Nov 2016	51	11.91	87.47	5.8	33.38	7.9	25.3	0.52
I28	03 Nov 2016	52	11.88	87.56	5.8	33.38	7.9	25.4	0.51
I28	03 Nov 2016	53	11.85	87.63	5.8	33.38	7.9	25.4	0.50
I28	03 Nov 2016	54	11.78	87.93	5.8	33.39	7.9	25.4	0.48
I28	03 Nov 2016	55	11.76	87.96	5.7	33.39	7.9	25.4	0.48
I29	03 Nov 2016	1	16.52	82.12	8.2	33.32	8.1	24.3	0.97
I29	03 Nov 2016	2	16.50	80.05	8.2	33.31	8.1	24.3	1.00
I29	03 Nov 2016	3	16.38	81.58	8.2	33.32	8.1	24.4	1.18
I29	03 Nov 2016	4	16.35	81.18	8.3	33.31	8.1	24.4	1.41
I29	03 Nov 2016	5	16.34	81.28	8.3	33.31	8.1	24.4	1.63
I29	03 Nov 2016	6	16.32	81.24	8.3	33.31	8.1	24.4	1.80
I29	03 Nov 2016	7	16.29	81.35	8.3	33.31	8.1	24.4	2.01
I29	03 Nov 2016	8	16.28	81.44	8.3	33.31	8.1	24.4	2.24
I29	03 Nov 2016	9	16.27	81.66	8.3	33.31	8.1	24.4	2.38
I29	03 Nov 2016	10	16.26	81.67	8.3	33.31	8.1	24.4	2.38
I29	03 Nov 2016	11	16.24	81.67	8.3	33.31	8.1	24.4	2.39
I29	03 Nov 2016	12	16.20	81.65	8.3	33.31	8.1	24.4	2.45
I29	03 Nov 2016	13	16.12	81.97	8.4	33.30	8.1	24.4	2.49
I29	03 Nov 2016	14	16.04	82.34	8.4	33.30	8.1	24.4	2.52
I29	03 Nov 2016	15	15.89	83.01	8.4	33.30	8.1	24.5	2.55
I29	03 Nov 2016	16	15.67	83.26	8.3	33.29	8.1	24.5	2.80
I29	03 Nov 2016	17	15.02	83.31	8.0	33.29	8.1	24.6	3.36
I29	03 Nov 2016	18	14.45	82.38	7.7	33.27	8.1	24.8	4.29
I29	03 Nov 2016	19	14.28	81.58	7.4	33.27	8.1	24.8	4.01
I29	03 Nov 2016	20	14.20	82.64	7.2	33.27	8.1	24.8	3.62
I29	03 Nov 2016	21	13.98	83.84	7.0	33.28	8.0	24.9	3.10
I29	03 Nov 2016	22	13.87	85.05	6.9	33.28	8.0	24.9	2.59
I29	03 Nov 2016	23	13.76	86.03	6.8	33.28	8.0	24.9	2.30
I29	03 Nov 2016	24	13.66	86.66	6.8	33.28	8.0	24.9	1.85
I29	03 Nov 2016	25	13.62	86.90	6.7	33.28	8.0	24.9	1.61
I29	03 Nov 2016	26	13.60	86.61	6.6	33.29	8.0	24.9	1.38
I29	03 Nov 2016	27	13.57	86.20	6.5	33.29	8.0	25.0	1.30
I29	03 Nov 2016	28	13.54	85.86	6.5	33.29	8.0	25.0	1.28
I29	03 Nov 2016	29	13.46	85.89	6.5	33.30	8.0	25.0	1.23
I29	03 Nov 2016	30	13.40	86.52	6.5	33.30	8.0	25.0	1.19
I29	03 Nov 2016	31	13.39	87.19	6.5	33.30	8.0	25.0	1.17
I29	03 Nov 2016	32	13.37	87.27	6.5	33.30	8.0	25.0	1.16
I29	03 Nov 2016	33	13.35	87.17	6.5	33.30	8.0	25.0	1.13
I29	03 Nov 2016	34	13.27	87.00	6.4	33.31	8.0	25.0	1.05
I29	03 Nov 2016	35	13.17	85.86	6.3	33.31	8.0	25.0	0.99
I29	03 Nov 2016	36	13.08	85.95	6.2	33.31	8.0	25.1	0.92
I29	03 Nov 2016	37	12.89	85.15	6.1	33.32	8.0	25.1	0.87
I29	03 Nov 2016	38	12.88	84.41	6.1	33.32	8.0	25.1	0.85
I30	03 Nov 2016	1	16.41	79.54	8.2	33.32	8.1	24.4	1.31
I30	03 Nov 2016	2	16.40	79.42	8.2	33.32	8.1	24.4	1.35
I30	03 Nov 2016	3	16.37	79.45	8.2	33.32	8.1	24.4	1.51
I30	03 Nov 2016	4	16.35	78.90	8.2	33.32	8.1	24.4	1.81
I30	03 Nov 2016	5	16.28	78.74	8.1	33.32	8.1	24.4	2.36
I30	03 Nov 2016	6	16.16	78.47	8.1	33.32	8.1	24.4	2.94
I30	03 Nov 2016	7	16.04	78.29	8.1	33.31	8.1	24.4	3.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I30	03 Nov 2016	8	15.86	79.42	8.1	33.30	8.1	24.5	3.28
I30	03 Nov 2016	9	15.52	81.07	8.2	33.29	8.1	24.5	3.27
I30	03 Nov 2016	10	15.16	82.38	7.9	33.29	8.1	24.6	3.46
I30	03 Nov 2016	11	14.66	82.34	7.6	33.28	8.1	24.7	3.83
I30	03 Nov 2016	12	14.54	81.90	7.5	33.28	8.1	24.7	4.00
I30	03 Nov 2016	13	14.51	81.85	7.5	33.27	8.1	24.7	4.20
I30	03 Nov 2016	14	14.48	81.86	7.4	33.28	8.1	24.8	4.23
I30	03 Nov 2016	15	14.40	81.94	7.3	33.28	8.0	24.8	4.14
I30	03 Nov 2016	16	14.37	82.12	7.3	33.28	8.0	24.8	4.05
I30	03 Nov 2016	17	14.31	82.59	7.2	33.28	8.0	24.8	3.84
I30	03 Nov 2016	18	14.20	83.03	7.1	33.28	8.0	24.8	3.60
I30	03 Nov 2016	19	14.01	83.38	6.8	33.28	8.0	24.9	3.29
I30	03 Nov 2016	20	13.96	82.09	6.7	33.28	8.0	24.9	2.79
I30	03 Nov 2016	21	13.96	81.68	6.7	33.28	8.0	24.9	2.34
I30	03 Nov 2016	22	13.95	82.17	6.6	33.28	8.0	24.9	2.02
I30	03 Nov 2016	23	13.86	83.30	6.6	33.29	8.0	24.9	1.67
I30	03 Nov 2016	24	13.72	81.96	6.5	33.29	8.0	24.9	1.37
I30	03 Nov 2016	25	13.66	80.85	6.4	33.29	8.0	24.9	1.24
I30	03 Nov 2016	26	13.58	79.86	6.3	33.30	8.0	25.0	1.12
I30	03 Nov 2016	27	13.53	78.62	6.3	33.30	8.0	25.0	1.08
I30	03 Nov 2016	28	13.53	76.35	6.2	33.30	8.0	25.0	1.06
I31	03 Nov 2016	1	16.61	82.07	8.5	33.31	8.1	24.3	1.05
I31	03 Nov 2016	2	16.57	81.93	8.5	33.31	8.1	24.3	1.14
I31	03 Nov 2016	3	16.47	81.73	8.5	33.31	8.1	24.3	1.31
I31	03 Nov 2016	4	16.43	81.59	8.5	33.31	8.1	24.3	1.48
I31	03 Nov 2016	5	16.40	81.43	8.5	33.31	8.1	24.4	1.60
I31	03 Nov 2016	6	16.37	81.29	8.4	33.31	8.1	24.4	1.77
I31	03 Nov 2016	7	16.34	81.16	8.4	33.31	8.1	24.4	2.08
I31	03 Nov 2016	8	16.28	80.91	8.3	33.31	8.1	24.4	2.56
I31	03 Nov 2016	9	16.04	80.17	8.2	33.30	8.1	24.4	2.93
I31	03 Nov 2016	10	15.78	79.66	8.2	33.30	8.1	24.5	3.01
I31	03 Nov 2016	11	15.65	79.59	8.1	33.29	8.1	24.5	3.13
I31	03 Nov 2016	12	15.55	79.78	8.0	33.29	8.1	24.5	3.24
I31	03 Nov 2016	13	15.21	79.78	7.8	33.29	8.1	24.6	3.52
I31	03 Nov 2016	14	14.71	80.47	7.4	33.28	8.1	24.7	4.06
I31	03 Nov 2016	15	14.50	80.35	7.2	33.27	8.0	24.7	4.53
I31	03 Nov 2016	16	14.46	78.65	7.1	33.27	8.0	24.8	5.06
I31	03 Nov 2016	17	14.41	77.83	6.8	33.27	8.0	24.8	5.44
I31	03 Nov 2016	18	14.28	75.10	6.5	33.28	8.0	24.8	5.00
I31	03 Nov 2016	19	14.10	69.97	6.2	33.28	8.0	24.8	3.71
I33	03 Nov 2016	1	15.97	85.38	8.4	33.30	8.1	24.4	0.82
I33	03 Nov 2016	2	15.97	84.62	8.4	33.18	8.1	24.4	0.84
I33	03 Nov 2016	3	15.96	85.19	8.4	33.29	8.1	24.4	0.87
I33	03 Nov 2016	4	15.94	85.24	8.4	33.30	8.1	24.5	0.98
I33	03 Nov 2016	5	15.92	85.03	8.4	33.30	8.1	24.5	1.18
I33	03 Nov 2016	6	15.89	84.96	8.4	33.30	8.1	24.5	1.43
I33	03 Nov 2016	7	15.82	84.72	8.3	33.29	8.1	24.5	1.70
I33	03 Nov 2016	8	15.67	84.38	8.1	33.29	8.1	24.5	2.13
I33	03 Nov 2016	9	15.16	83.89	7.8	33.29	8.1	24.6	2.72
I33	03 Nov 2016	10	14.59	83.14	7.6	33.28	8.1	24.7	3.36
I33	03 Nov 2016	11	14.37	83.23	7.5	33.28	8.1	24.8	3.50
I33	03 Nov 2016	12	14.24	83.41	7.4	33.27	8.1	24.8	3.40
I33	03 Nov 2016	13	14.17	83.66	7.3	33.27	8.0	24.8	3.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I33	03 Nov 2016	14	14.08	84.19	7.3	33.27	8.0	24.8	3.12
I33	03 Nov 2016	15	14.05	84.52	7.3	33.27	8.0	24.8	3.11
I33	03 Nov 2016	16	14.02	84.63	7.2	33.28	8.0	24.9	2.96
I33	03 Nov 2016	17	14.02	84.91	7.2	33.28	8.0	24.9	2.84
I33	03 Nov 2016	18	13.91	85.18	7.1	33.28	8.0	24.9	2.83
I33	03 Nov 2016	19	13.87	85.34	7.0	33.28	8.0	24.9	2.52
I33	03 Nov 2016	20	13.83	85.50	7.0	33.28	8.0	24.9	2.27
I33	03 Nov 2016	21	13.70	85.66	6.8	33.29	8.0	24.9	2.02
I33	03 Nov 2016	22	13.39	86.61	6.7	33.30	8.0	25.0	1.61
I33	03 Nov 2016	23	13.23	87.37	6.6	33.30	8.0	25.0	1.30
I33	03 Nov 2016	24	13.13	87.75	6.6	33.30	8.0	25.0	1.08
I33	03 Nov 2016	25	13.08	87.79	6.6	33.30	8.0	25.1	0.99
I33	03 Nov 2016	26	13.06	87.72	6.5	33.30	8.0	25.1	0.95
I33	03 Nov 2016	27	13.06	87.75	6.5	33.30	8.0	25.1	0.94
I33	03 Nov 2016	28	13.04	87.82	6.5	33.30	8.0	25.1	0.90
I33	03 Nov 2016	29	13.03	87.83	6.5	33.30	8.0	25.1	0.92
I33	03 Nov 2016	30	13.03	87.75	6.5	33.30	8.0	25.1	1.00
I34	03 Nov 2016	1	16.06	85.08	8.4	33.30	8.1	24.4	1.16
I34	03 Nov 2016	2	16.06	85.10	8.4	33.30	8.1	24.4	1.13
I34	03 Nov 2016	3	16.06	85.05	8.4	33.30	8.1	24.4	1.16
I34	03 Nov 2016	4	15.97	85.10	8.4	33.30	8.1	24.4	1.38
I34	03 Nov 2016	5	15.93	84.97	8.4	33.30	8.1	24.5	1.64
I34	03 Nov 2016	6	15.90	84.85	8.4	33.30	8.1	24.5	1.78
I34	03 Nov 2016	7	15.85	84.53	8.4	33.30	8.1	24.5	1.94
I34	03 Nov 2016	8	15.74	84.32	8.2	33.30	8.1	24.5	2.07
I34	03 Nov 2016	9	15.57	84.40	7.9	33.30	8.1	24.5	2.37
I34	03 Nov 2016	10	14.92	84.00	7.5	33.31	8.1	24.7	2.67
I34	03 Nov 2016	11	14.63	83.39	7.4	33.29	8.1	24.7	2.76
I34	03 Nov 2016	12	14.60	83.41	7.3	33.29	8.0	24.7	2.79
I34	03 Nov 2016	13	14.46	83.42	7.3	33.29	8.0	24.8	2.86
I34	03 Nov 2016	14	14.21	83.48	7.2	33.28	8.0	24.8	2.87
I34	03 Nov 2016	15	14.14	83.72	7.1	33.28	8.0	24.8	2.65
I34	03 Nov 2016	16	14.09	83.99	7.0	33.28	8.0	24.8	2.39
I34	03 Nov 2016	17	13.98	84.20	7.0	33.29	8.0	24.9	2.10
I34	03 Nov 2016	18	13.91	84.50	6.9	33.29	8.0	24.9	1.84
I34	03 Nov 2016	19	13.89	84.53	6.9	33.29	8.0	24.9	1.69
I35	03 Nov 2016	1	16.60	79.55	8.2	33.32	8.1	24.3	1.24
I35	03 Nov 2016	2	16.56	79.14	8.2	33.32	8.1	24.3	1.32
I35	03 Nov 2016	3	16.50	78.46	8.2	33.32	8.1	24.3	1.49
I35	03 Nov 2016	4	16.33	78.23	8.1	33.33	8.1	24.4	2.13
I35	03 Nov 2016	5	16.17	76.30	8.0	33.32	8.1	24.4	3.62
I35	03 Nov 2016	6	16.15	74.71	8.0	33.32	8.1	24.4	4.61
I35	03 Nov 2016	7	16.10	74.03	8.0	33.32	8.1	24.4	5.08
I35	03 Nov 2016	8	15.98	75.19	7.9	33.31	8.1	24.5	5.35
I35	03 Nov 2016	9	15.89	75.98	7.8	33.31	8.1	24.5	5.63
I35	03 Nov 2016	10	15.77	76.08	7.9	33.30	8.1	24.5	5.21
I35	03 Nov 2016	11	15.71	78.23	8.0	33.30	8.1	24.5	4.99
I35	03 Nov 2016	12	15.66	78.55	7.6	33.31	8.1	24.5	4.82
I35	03 Nov 2016	13	15.52	75.65	7.3	33.31	8.0	24.6	4.83
I35	03 Nov 2016	14	15.20	75.77	7.4	33.30	8.0	24.6	4.56
I35	03 Nov 2016	15	14.83	76.65	7.2	33.28	8.0	24.7	4.66
I35	03 Nov 2016	16	14.55	77.09	7.0	33.28	8.0	24.7	4.41
I35	03 Nov 2016	17	14.46	79.61	6.9	33.28	8.0	24.8	3.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I35	03 Nov 2016	18	14.27	81.07	6.8	33.28	8.0	24.8	3.02
I35	03 Nov 2016	19	14.13	76.78	6.4	33.28	8.0	24.8	2.18
I36	03 Nov 2016	1	16.38	80.29	8.6	33.30	8.1	24.4	1.01
I36	03 Nov 2016	2	16.28	80.00	8.6	33.30	8.1	24.4	1.08
I36	03 Nov 2016	3	16.15	78.95	8.6	33.30	8.1	24.4	1.30
I36	03 Nov 2016	4	16.07	77.65	8.6	33.29	8.1	24.4	1.58
I36	03 Nov 2016	5	15.90	75.67	8.4	33.29	8.1	24.5	2.43
I36	03 Nov 2016	6	15.74	70.98	8.2	33.29	8.1	24.5	4.33
I36	03 Nov 2016	7	15.65	66.71	8.1	33.28	8.1	24.5	5.92
I36	03 Nov 2016	8	15.53	65.24	7.7	33.29	8.1	24.5	7.06
I36	03 Nov 2016	9	15.28	63.79	6.9	33.29	8.0	24.6	7.65
I36	03 Nov 2016	10	14.94	60.65	6.1	33.29	8.0	24.7	7.87
I36	03 Nov 2016	11	14.87	61.63	5.8	33.28	7.9	24.7	8.08
I37	03 Nov 2016	1	15.96	85.29	8.4	33.30	8.1	24.5	0.88
I37	03 Nov 2016	2	15.94	85.17	8.4	33.30	8.1	24.5	0.94
I37	03 Nov 2016	3	15.90	84.99	8.3	33.30	8.1	24.5	1.07
I37	03 Nov 2016	4	15.87	84.91	8.4	33.30	8.1	24.5	1.26
I37	03 Nov 2016	5	15.84	84.57	8.3	33.30	8.1	24.5	1.53
I37	03 Nov 2016	6	15.81	84.30	8.3	33.30	8.1	24.5	1.84
I37	03 Nov 2016	7	15.81	84.18	8.3	33.30	8.1	24.5	2.04
I37	03 Nov 2016	8	15.81	84.33	8.3	33.30	8.1	24.5	2.15
I37	03 Nov 2016	9	15.81	84.09	8.3	33.30	8.1	24.5	2.22
I37	03 Nov 2016	10	15.81	84.24	8.2	33.30	8.1	24.5	2.32
I37	03 Nov 2016	11	15.70	84.23	8.0	33.31	8.1	24.5	2.27
I37	03 Nov 2016	12	15.01	83.69	7.6	33.31	8.1	24.7	2.20
I38	03 Nov 2016	1	16.58	80.61	8.6	33.30	8.1	24.3	0.86
I38	03 Nov 2016	2	16.51	80.80	8.6	33.30	8.1	24.3	0.96
I38	03 Nov 2016	3	16.35	80.25	8.6	33.30	8.1	24.4	1.24
I38	03 Nov 2016	4	16.28	78.92	8.4	33.30	8.1	24.4	1.59
I38	03 Nov 2016	5	16.25	77.46	8.3	33.30	8.1	24.4	2.05
I38	03 Nov 2016	6	16.05	76.59	8.3	33.29	8.1	24.4	2.47
I38	03 Nov 2016	7	15.61	76.87	8.0	33.29	8.1	24.5	3.00
I38	03 Nov 2016	8	15.11	76.25	7.6	33.28	8.1	24.6	3.74
I38	03 Nov 2016	9	14.96	75.01	7.3	33.28	8.1	24.7	5.55
I38	03 Nov 2016	10	14.89	71.25	7.0	33.28	8.0	24.7	7.30
I38	03 Nov 2016	11	14.87	68.76	6.7	33.28	8.0	24.7	7.79

NA = not available

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APPENDIX A

Quality Assurance

Table A.1

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected SBOO 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
I3	02 Nov 2016	18	AR	LAB DUPLICATE	<2	<2	<2
I9	02 Nov 2016	27	AR	LAB DUPLICATE	<2	<2	<2
I12	01 Nov 2016	18	SR	LAB DUPLICATE	82	18e	8e
I13	02 Nov 2016	18	JT	LAB DUPLICATE	<2	<2	<2
I14	01 Nov 2016	2	JT	LAB DUPLICATE	14e	<2	2e
I16	01 Nov 2016	18	JT	LAB DUPLICATE	56	4e	4e
I19	01 Nov 2016	6	JT	FIELD DUPLICATE	<2	4e	<2
I19	01 Nov 2016	6	JT	LAB DUPLICATE	<2	<2	<2
I19	10 Nov 2016	6	SR	LAB DUPLICATE	<20	<2	<2
I19	16 Nov 2016	6	LMA	LAB DUPLICATE	2e	<2	<2
I19	20 Nov 2016	6	LMA	LAB DUPLICATE	<2	<2	<2
I19	29 Nov 2016	6	JT	LAB DUPLICATE	12e	<2	<2
I20	02 Nov 2016	55	AR	LAB DUPLICATE	12e	<2	<2
I32	03 Nov 2016	9	LMA	LAB DUPLICATE	<2	<2	<2
I36	03 Nov 2016	11	LMA	LAB DUPLICATE	<2	<2	<2
I40	10 Nov 2016	6	LMA	LAB DUPLICATE	<2	<2	2e
I40	16 Nov 2016	6	LMA	LAB DUPLICATE	<2	<2	<2
I40	20 Nov 2016	6	ZV	LAB DUPLICATE	<2	<2	ns
I40	29 Nov 2016	6	JT	LAB DUPLICATE	4e	<2	<2
S12	01 Nov 2016		SR	FIELD DUPLICATE	20e	8e	6e
S12	01 Nov 2016		SR	LAB DUPLICATE	40e	10e	12e
S12	08 Nov 2016		LMA	FIELD DUPLICATE	<2	<2	<2
S12	08 Nov 2016		LMA	LAB DUPLICATE	<20	<2	<2
S12	15 Nov 2016		JT	FIELD DUPLICATE	<20	ns	8e
S12	15 Nov 2016		ZV	FIELD DUPLICATE	ns	<2	ns
S12	15 Nov 2016		JT	LAB DUPLICATE	<20	<2	10e
S12	22 Nov 2016		JT	FIELD DUPLICATE	<20	<2	<2
S12	22 Nov 2016		JT	LAB DUPLICATE	<20	<2	2e
S12	29 Nov 2016		ZV	FIELD DUPLICATE	<20	6e	<2
S12	29 Nov 2016		ZV	LAB DUPLICATE	20e	<2	4e

ns = not sampled
ND = no data

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