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

FEBRUARY 2017

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

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

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

March 31, 2017

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 February 2017 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 Department

TDS/asb

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

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

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

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 2017 Quality Assurance Report, which will be completed in March 2018.

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 USIBWC 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 February, each of the eight shore stations located north of the border was 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 standards for total and fecal coliform bacteria were exceeded at stations S4, S5, S10, and S11 on multiple days during the month.
    - The 30-day geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12 on multiple days during the month.

- The single sample maximum (SSM) standards for total coliform and *Enterococcus* bacteria were exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12 on one or more days during the month.
- The SSM standard for fecal coliform bacteria 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 each exceeded at stations S5, S6, S8, S9, S10, S11, and S12 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, S2, and S3 on one or more days during the month.
- Notable visual observations for February included: a sewage-like odor at stations S4, S5, S6, S8, S9, S10, S11, and S12 on one or more days during the month, and foam present at station S5 on February 9, 21 and 27.
- 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).

- **Kelp Bed Water Quality Sampling**
  - The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled four times over five days during February (i.e. February 4, 8, 9, 14, 24). A fifth sampling event could not be completed due to inclement weather at the end of the month.
  - During February, each of the seven stations was out of compliance with various California Ocean Plan (Ocean Plan) water contact standards (see below).
    - The 30-day geometric mean standard for total coliform bacteria was exceeded at stations I19, I24, I25, and I40 on multiple days during the month.
    - The 30-day geometric mean standard for fecal coliform bacteria was exceeded at stations I24 and I40 on multiple days during the month.
    - The 30-day geometric mean standard for *Enterococcus* was exceeded at stations I19, I24, I25, I26, I32, I39, and I40 on multiple days during the month.
    - The SSM standard for total coliform bacteria was exceeded at stations I24 and I40 on one or more days during the month.
    - The SSM standard for fecal coliform bacteria was exceeded at stations I24, I39, and I40 on one or more days during the month.
    - The SSM standard for *Enterococcus* was exceeded at stations I19, I24, I25, I26, I32, I39, and I40 on one or more days during the month.
    - The SSM standard that states total coliform densities shall not exceed 1000 CFU/100 mL when the fecal:total ratio exceeds 0.1, was exceeded at stations I24, I25, and I26 on one or more days during the month.

- Water column temperatures ranged from 12.12 to 15.22°C. The difference between surface and bottom waters ranged from approximately 0.07 to 1.97°C, indicating the water column was stratified at some of these sites during the month.
- Chlorophyll *a* concentrations ranged from 0.26 to 13.31 µg/L at these stations, suggesting the presence of phytoplankton blooms during the month.
- Suspended solid values ranged from 0.2 to 12.6 mg/L in February. Elevated levels of suspended solids (i.e., values ≥ 8 mg/L) occurred in seawater samples collected from station I32 at depths of 2, 6, 9 m and from station I40 at 6 m.
- Oil and grease values were < 0.2 mg/L in all kelp bed seawater samples.
- Notable visual observations for February included: a sewage-like odor at stations I19, I24, and I40 on February 4, floatables at station I14 on February 4, and higher than normal CDOM values of up to 20 ppb at station I19 on February 4.

- **Offshore Water Quality Sampling**
  - Quarterly offshore water quality sampling was conducted over three days during the month (i.e., February 7, 8, 9).
  - All but three of the offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) were in compliance with the relevant Ocean Plan single sample maximum standards (see below).
    - The SSM standard for *Enterococcus* was exceeded at stations I12, I16, and I18, each at a depth of 2 m, on February 8.
  - Although the Ocean Plan standards do not apply to stations outside State jurisdictional waters, bacteria densities exceeded 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 seawater samples from station I5 on February 7 collected at depths of 6 and 11 m.
  - Water column temperatures ranged from 11.19 to 15.44°C at the offshore sites. The difference between surface and bottom waters ranged from 0.21 to 4.09°C, indicating that the water column was stratified at some of the offshore stations during the month.
  - Chlorophyll *a* concentrations ranged from 0.32 to 3.78 µg/L at the offshore sites, suggesting the absence of phytoplankton blooms during the month.
  - CDOM data are available upon request.
  - Suspended solid values ranged from 0.2 to 12.9 mg/L in February. Elevated levels of suspended solids (i.e., values ≥ 8 mg/L) occurred in seawater samples collected from station I11 at 11 m on February 7, and from stations I36 and I37, both at 11 m, on February 9.
  - 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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TABLES AND FIGURES

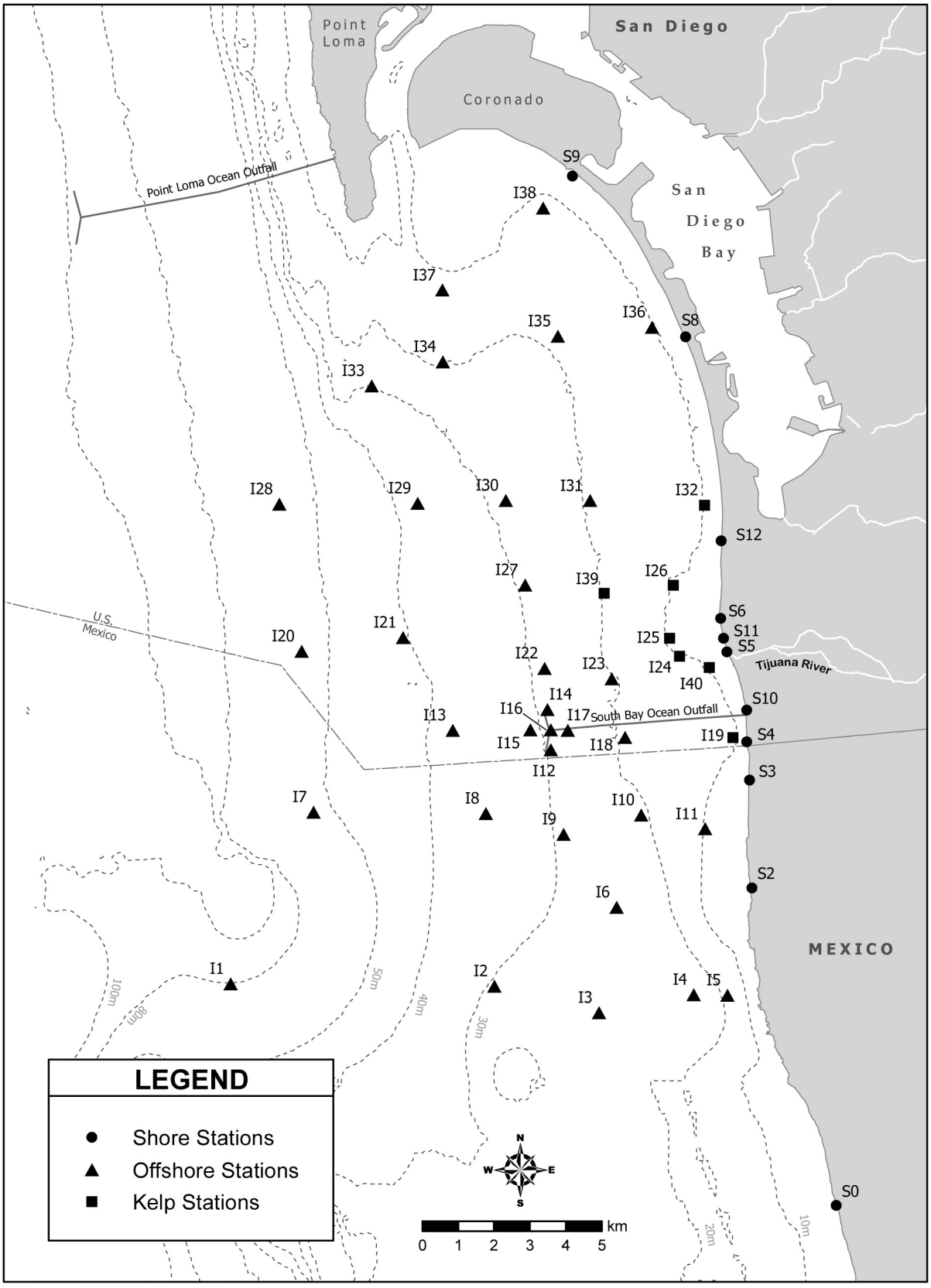

Figure 1.1 Station Map

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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 Feb 2017	977	10297	627	58	116	3178	2330	217
02 Feb 2017	885	10850	513*	38	82*	3398	2708	194*
03 Feb 2017	885	10850	513*	38	82*	3398	2708	194*
04 Feb 2017	885	11207	513*	38	82*	2549	2958	194*
05 Feb 2017	885	11207	513*	38	82*	2549	2958	194*
06 Feb 2017	885	11518	513*	38	82*	2549	3502	194*
07 Feb 2017	917	11792	608	60	79	2228	3222	385
08 Feb 2017	917	11792	608	60	79	2228	3222	385
09 Feb 2017	1013	11792	291	103	93*	2672	3347	453*
10 Feb 2017	1013	10661	291	103	93*	2672	3347	453*
11 Feb 2017	1013	10356	291	103	93*	2672	2879	453*
12 Feb 2017	1013	5563	291	103	93*	2672	2595	453*
13 Feb 2017	1013	5563	291	103	93*	2672	2595	453*
14 Feb 2017	359	4522	192	54	43	1753	1227	191
15 Feb 2017	359	4522	192	54	43	1753	1227	191
16 Feb 2017	193	5220	166	43	40*	1581	1674	189*
17 Feb 2017	193	5220	166	43	40*	1581	1674	189*
18 Feb 2017	193	5220	166	43	40*	1581	1674	189*
19 Feb 2017	193	5220	166	43	40*	1581	1674	189*
20 Feb 2017	193	5220	166	43	40*	1581	1674	189*
21 Feb 2017	203	5655	185	66	69	1208	1381	238
22 Feb 2017	203	5655	185	66	69	1208	1381	238
23 Feb 2017	85	5655	186	38	40*	874	1848	148*
24 Feb 2017	85	5655	186	38	40*	874	1848	148*
25 Feb 2017	57*	5655	186	34*	40*	658	1848	148*
26 Feb 2017	57*	5220	186	34*	40*	505	1848	148*
27 Feb 2017	57*	5655	186	34*	40*	505	1848	148*
28 Feb 2017	175	5655	390	116	133	828	2420	377

* 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 Feb 2017	222	2107	33	13	14	347	207	23
02 Feb 2017	271	2685	34*	15	16*	482	293	26*
03 Feb 2017	271	2685	34*	15	16*	482	293	26*
04 Feb 2017	271	3042	34*	15	16*	341	370	26*
05 Feb 2017	271	3042	34*	15	16*	341	370	26*
06 Feb 2017	271	3380	34*	15	16*	341	524	26*
07 Feb 2017	235	3701	45	22	16	249	461	48
08 Feb 2017	235	3701	45	22	16	249	461	48
09 Feb 2017	238	3701	27	26	10*	267	485	24
10 Feb 2017	238	3220	27	26	10*	267	485	24
11 Feb 2017	238	3501	27	26	10*	267	425	24
12 Feb 2017	238	2217	27	26	10*	267	396	24
13 Feb 2017	238	2217	27	26	10*	267	396	24
14 Feb 2017	131	1801	19	17	8	155	167	16
15 Feb 2017	131	1801	19	17	8	155	167	16
16 Feb 2017	110	2396	20	19	8*	141	218	15
17 Feb 2017	74	2396	20	19	8*	141	218	15
18 Feb 2017	74	2396	20	19	8*	141	218	15
19 Feb 2017	74	2396	20	19	8*	141	218	15
20 Feb 2017	37	2396	20	19	8*	141	218	15
21 Feb 2017	36	2688	22	20	11	107	160	18
22 Feb 2017	36	2688	22	20	11	107	160	18
23 Feb 2017	13	2435	26	13	7*	65	255	13
24 Feb 2017	13	2435	26	13	7*	65	255	13
25 Feb 2017	10*	2415	26	11*	7*	46	255	13
26 Feb 2017	10*	2235	26	11*	7*	40	255	13
27 Feb 2017	10*	2520	26	11*	7*	40	255	13
28 Feb 2017	21	2488	65	39	23	74	397	38

* 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 Feb 2017	266	3081	67	16	42	637	179	30
02 Feb 2017	308	3975	76	12	41	662	226	28
03 Feb 2017	308	3975	76	12	41	662	226	28
04 Feb 2017	308	3975	94	17	41	580	302	28
05 Feb 2017	308	3651	94	17	41	515	302	28
06 Feb 2017	308	3975	63	17	41	515	436	28
07 Feb 2017	302	3975	66	24	34	578	413	46
08 Feb 2017	302	3975	66	24	34	578	413	46
09 Feb 2017	216	3975	70	22	28	690	347	37
10 Feb 2017	216	3387	70	22	28	644	347	37
11 Feb 2017	216	3717	70	22	24	644	322	37
12 Feb 2017	216	2354	70	22	24	552	306	37
13 Feb 2017	216	2354	70	22	24	552	306	37
14 Feb 2017	162	2306	59	16	16	467	206	25
15 Feb 2017	162	2306	59	16	16	467	206	25
16 Feb 2017	154	2902	62	20	21	485	276	28
17 Feb 2017	130	3190	62	20	21	424	276	28
18 Feb 2017	130	3190	62	20	21	424	276	28
19 Feb 2017	130	2926	62	20	21	424	276	28
20 Feb 2017	61	2926	62	20	21	321	276	28
21 Feb 2017	59	3179	61	24	33	261	225	33
22 Feb 2017	59	3179	61	24	33	261	225	33
23 Feb 2017	29	2666	56	15	28	190	259	25
24 Feb 2017	29	2666	56	15	28	190	259	25
25 Feb 2017	25	2562	61	12	27	176	259	22
26 Feb 2017	25	2326	61	12	27	156	259	22
27 Feb 2017	25	2562	61	12	27	156	259	22
28 Feb 2017	56	2562	118	38	76	173	396	63

* 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
02 Feb 2017	ns	E	ns	ns	ns	IC	IC	ns
04 Feb 2017	ns	E	ns	ns	ns	IC	IC	ns
06 Feb 2017	ns	E	ns	ns	ns	ns	E	ns
07 Feb 2017	IC	E	IC	IC	IC	IC	IC	IC
09 Feb 2017	ns	E	IC	ns	ns	ns	ns	ns
10 Feb 2017	ns	IC	ns	ns	ns	ns	ns	ns
12 Feb 2017	ns	IC	ns	ns	ns	ns	ns	ns
14 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2017	IC	E	IC	IC	IC	IC	IC	IC
23 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
25 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
27 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
28 Feb 2017	E	E	E	E	E	E	E	E

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
02 Feb 2017	ns	E	ns	ns	ns	E	E	ns
04 Feb 2017	ns	E	ns	ns	ns	IC	E	ns
06 Feb 2017	ns	E	ns	ns	ns	ns	E	ns
07 Feb 2017	IC	E	IC	IC	IC	IC	IC	E
09 Feb 2017	ns	E	IC	ns	ns	ns	ns	IC
10 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
12 Feb 2017	ns	IC	ns	ns	ns	ns	ns	ns
14 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2017	IC	E	IC	IC	IC	IC	IC	IC
23 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
25 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
27 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
28 Feb 2017	IC	E	E	E	E	E	E	E

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
02 Feb 2017	ns	E	E	ns	ns	E	E	ns
04 Feb 2017	ns	E	E	ns	ns	IC	E	ns
06 Feb 2017	ns	E	IC	ns	ns	ns	E	ns
07 Feb 2017	E	E	IC	E	IC	E	E	E
09 Feb 2017	IC	E	ns	IC	ns	E	IC	IC
10 Feb 2017	ns	E	ns	ns	ns	E	ns	ns
12 Feb 2017	ns	IC	ns	ns	ns	IC	ns	ns
14 Feb 2017	IC	E	IC	IC	IC	IC	IC	IC
16 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
17 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
19 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
21 Feb 2017	IC	E	IC	IC	E	IC	IC	IC
23 Feb 2017	ns	E	ns	ns	IC	ns	ns	ns
25 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
27 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
28 Feb 2017	E	E	E	E	E	E	E	E

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
02 Feb 2017	ns	E	ns	ns	ns	E	E	ns
04 Feb 2017	ns	E	ns	ns	ns	IC	E	ns
06 Feb 2017	ns	E	ns	ns	ns	ns	E	ns
07 Feb 2017	IC	E	E	IC	IC	IC	IC	IC
09 Feb 2017	ns	E	IC	ns	ns	ns	ns	ns
10 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
12 Feb 2017	ns	IC	ns	ns	ns	ns	ns	ns
14 Feb 2017	IC	IC	IC	IC	IC	IC	IC	IC
21 Feb 2017	IC	E	IC	IC	IC	IC	IC	IC
23 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
25 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
27 Feb 2017	ns	E	ns	ns	ns	ns	ns	ns
28 Feb 2017	IC	E	E	E	E	E	E	E

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	07 Feb 2017	1200	480	88	66	0.18
S0	14 Feb 2017	1100	220e	14e	<2	0.06
S0	21 Feb 2017	1105	2000e	72	140e	0.04
S0	28 Feb 2017	1015	2600e	150e	1100	0.06
S2	07 Feb 2017	1055	880	96	18e	0.11
S2	14 Feb 2017	1015	2e	<2	22e	1.00
S2	21 Feb 2017	1225	140e	18e	84	0.13
S2	28 Feb 2017	1200	7000	94	1200e	0.01
S3	07 Feb 2017	1015	3400e	160e	500	0.05
S3	14 Feb 2017	940	4000	560	500	0.14
S3	21 Feb 2017	1150	500	34e	140e	0.07
S3	28 Feb 2017	1240	>16000	<200	2600e	0.01
S4	07 Feb 2017	1013	1100	88	260e	0.08
S4	09 Feb 2017	1307	ns	ns	4e	ns
S4	14 Feb 2017	933	2e	<2	16e	1.00
S4	21 Feb 2017	1137	260e	32e	46	0.12
S4	28 Feb 2017	1201	>16000	400e	3400e	0.02
S5	02 Feb 2017	959	>16000	4600	9200	0.29
S5	04 Feb 2017	853	>16000	>12000	>12000	0.75
S5	06 Feb 2017	1032	>16000	>12000	>12000	0.75
S5	07 Feb 2017	1111	>16000	>12000	>12000	0.75
S5	09 Feb 2017	1026	>16000	>12000	>12000	0.75
S5	10 Feb 2017	904	2600e	460	360e	0.18
S5	12 Feb 2017	1042	2e	2e	2e	1.00
S5	14 Feb 2017	1110	880	120	480e	0.14
S5	16 Feb 2017	1333	ns	ns	2400e	ns
S5	17 Feb 2017	919	ns	ns	>12000	ns
S5	19 Feb 2017	1111	ns	ns	800e	ns
S5	21 Feb 2017	936	>16000	>12000	>12000	0.75
S5	23 Feb 2017	1304	>16000	3000e	600	0.19
S5	25 Feb 2017	1114	>16000	9800	5600	0.61
S5	27 Feb 2017	1157	>16000	>12000	>12000	0.75
S5	28 Feb 2017	928	>16000	10000	>12000	0.62
S6	02 Feb 2017	943	ns	ns	180e	ns
S6	04 Feb 2017	909	ns	ns	320e	ns
S6	06 Feb 2017	1055	ns	ns	4e	ns
S6	07 Feb 2017	1127	1200	140e	96	0.12
S6	09 Feb 2017	1118	20e	6e	ns	0.30
S6	14 Feb 2017	1140	24e	4e	16e	0.17
S6	21 Feb 2017	1021	320e	36e	48	0.11
S6	28 Feb 2017	909	>16000	6400	>12000	0.40
S8	07 Feb 2017	1200	560	140e	160e	0.25
S8	09 Feb 2017	839	ns	ns	6e	ns

Station	Date	Time	Total	Fecal	Entero	F:T
S8	14 Feb 2017	1229	<2	<2	<2	1.00
S8	21 Feb 2017	810	580	30e	66	0.05
S8	28 Feb 2017	814	>16000	5400	>12000	0.34
S9	07 Feb 2017	1215	68	14e	12e	0.21
S9	14 Feb 2017	1246	<2	<2	<2	1.00
S9	21 Feb 2017	747	640	36e	320e	0.06
S9	23 Feb 2017	1221	ns	ns	46	ns
S9	28 Feb 2017	746	>16000	3000e	>12000	0.19
S10	02 Feb 2017	840	3200e	460	200e	0.14
S10	04 Feb 2017	809	340e	30e	64	0.09
S10	07 Feb 2017	958	760	20e	160e	0.03
S10	09 Feb 2017	1234	ns	ns	200e	ns
S10	10 Feb 2017	1013	ns	ns	280e	ns
S10	12 Feb 2017	1149	ns	ns	74	ns
S10	14 Feb 2017	947	60e	<2	46	0.03
S10	21 Feb 2017	1154	140e	12e	22e	0.09
S10	28 Feb 2017	1213	>16000	3200e	8400	0.20
S11	02 Feb 2017	953	10000	1300e	960	0.13
S11	04 Feb 2017	902	6000	2400e	760	0.40
S11	06 Feb 2017	1047	>16000	>12000	>12000	0.75
S11	07 Feb 2017	1119	1400	130e	240e	0.09
S11	09 Feb 2017	1049	ns	ns	16e	ns
S11	14 Feb 2017	1127	40e	2e	40	0.05
S11	21 Feb 2017	953	360e	18e	44	0.05
S11	28 Feb 2017	915	>16000	8800	>12000	0.55
S12	07 Feb 2017	1140	6000	560	520	0.09
S12	09 Feb 2017	914	ns	2e	28e	ns
S12	14 Feb 2017	1208	6e	<2	<2	0.33
S12	21 Feb 2017	831	600e	42	88	0.07
S12	28 Feb 2017	849	>16000	7800	>12000	0.49

ns = not sampled
ND = no data

Comments

Station	Date	Depth	Parameter	Comments
S10	02 Feb 2017			Resample
S11	02 Feb 2017			Resample
S5	02 Feb 2017			Resample
S6	02 Feb 2017			Resample
S10	04 Feb 2017			Resample
S11	04 Feb 2017			Resample
S5	04 Feb 2017			Resample
S6	04 Feb 2017			Resample
S6	06 Feb 2017			Resample
S11	06 Feb 2017			Resample
S5	06 Feb 2017			Resample
S10	09 Feb 2017			Resample
S11	09 Feb 2017			Resample
S12	09 Feb 2017			Resample
S4	09 Feb 2017			Resample
S5	09 Feb 2017			Resample
S6	09 Feb 2017			Resample
S8	09 Feb 2017			Resample
S10	10 Feb 2017			Resample
S5	10 Feb 2017			Resample
S10	12 Feb 2017			Resample
S5	12 Feb 2017			Resample
S5	16 Feb 2017			Resample
S5	17 Feb 2017			Resample
S5	19 Feb 2017			Resample
S5	23 Feb 2017			Resample
S9	23 Feb 2017			Resample
S5	24 Feb 2017			Resample
S5	25 Feb 2017			Resample
S5	27 Feb 2017			Resample

Table 2.9

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

Station	Date	Parameter	Value
S0	07 Feb 2017	Arrive Time	1200
S0	07 Feb 2017	Weather	Cloudy
S0	07 Feb 2017	Wind Speed (kts)	2.6
S0	07 Feb 2017	Wind Dir	SW
S0	07 Feb 2017	Animal Life	3 Dogs; 20 Seagulls
S0	07 Feb 2017	Floatables	None
S0	07 Feb 2017	Water Color	Green
S0	07 Feb 2017	Current Direction	SW
S0	07 Feb 2017	Water Temp (C)	17
S0	07 Feb 2017	Wave Height Low (ft)	2
S0	07 Feb 2017	High Tide (ft)	5.8
S0	07 Feb 2017	High Tide Time	552
S0	07 Feb 2017	Low Tide (ft)	-0.9
S0	07 Feb 2017	Low Tide Time	1309
S0	07 Feb 2017	Comments	Kelp; Water turbid
S0	14 Feb 2017	Arrive Time	1100
S0	14 Feb 2017	Weather	Sunny
S0	14 Feb 2017	Wind Speed (kts)	3.9
S0	14 Feb 2017	Wind Dir	SE
S0	14 Feb 2017	Animal Life	15 Shorebirds
S0	14 Feb 2017	Floatables	None
S0	14 Feb 2017	Water Color	Green
S0	14 Feb 2017	Current Direction	N
S0	14 Feb 2017	Water Temp (C)	16
S0	14 Feb 2017	Wave Height Low (ft)	3
S0	14 Feb 2017	High Tide (ft)	4.5
S0	14 Feb 2017	High Tide Time	1049
S0	14 Feb 2017	Low Tide (ft)	1.1
S0	14 Feb 2017	Low Tide Time	500
S0	14 Feb 2017	Comments	Kelp; Seagrass; Algae; 2 Persons; Water clear
S0	21 Feb 2017	Arrive Time	1105
S0	21 Feb 2017	Weather	Sunny
S0	21 Feb 2017	Wind Speed (kts)	12.6
S0	21 Feb 2017	Wind Dir	NE
S0	21 Feb 2017	Animal Life	20 Shorebirds; 5 Dogs
S0	21 Feb 2017	Floatables	None
S0	21 Feb 2017	Water Color	Green
S0	21 Feb 2017	Current Direction	N
S0	21 Feb 2017	Water Temp (C)	14
S0	21 Feb 2017	Wave Height Low (ft)	3
S0	21 Feb 2017	High Tide (ft)	4.6
S0	21 Feb 2017	High Tide Time	521
S0	21 Feb 2017	Low Tide (ft)	0.1
S0	21 Feb 2017	Low Tide Time	1244
S0	21 Feb 2017	Comments	Kelp; Seagrass; Algae; 2 Persons; Water turbid
S0	28 Feb 2017	Arrive Time	1015
S0	28 Feb 2017	Weather	Sunny
S0	28 Feb 2017	Wind Speed (kts)	7.2

Station	Date	Parameter	Value
S0	28 Feb 2017	Wind Dir	NE
S0	28 Feb 2017	Animal Life	5 Shorebirds
S0	28 Feb 2017	Floatables	Trash; plants
S0	28 Feb 2017	Water Color	Green
S0	28 Feb 2017	Current Direction	N
S0	28 Feb 2017	Water Temp (C)	15
S0	28 Feb 2017	Wave Height Low (ft)	3
S0	28 Feb 2017	High Tide (ft)	5.2
S0	28 Feb 2017	High Tide Time	950
S0	28 Feb 2017	Low Tide (ft)	-0.4
S0	28 Feb 2017	Low Tide Time	1620
S0	28 Feb 2017	Comments	Kelp; Algae; 1 Person; Water turbid
S2	07 Feb 2017	Arrive Time	1055
S2	07 Feb 2017	Weather	Cloudy
S2	07 Feb 2017	Wind Speed (kts)	2.3
S2	07 Feb 2017	Wind Dir	SW
S2	07 Feb 2017	Animal Life	20 Seagulls
S2	07 Feb 2017	Floatables	None
S2	07 Feb 2017	Water Color	Green
S2	07 Feb 2017	Current Direction	SW
S2	07 Feb 2017	Water Temp (C)	17
S2	07 Feb 2017	Wave Height Low (ft)	2
S2	07 Feb 2017	High Tide (ft)	5.8
S2	07 Feb 2017	High Tide Time	552
S2	07 Feb 2017	Low Tide (ft)	-0.9
S2	07 Feb 2017	Low Tide Time	1309
S2	07 Feb 2017	Comments	Water turbid
S2	14 Feb 2017	Arrive Time	1015
S2	14 Feb 2017	Weather	Sunny
S2	14 Feb 2017	Wind Speed (kts)	3.6
S2	14 Feb 2017	Wind Dir	SE
S2	14 Feb 2017	Animal Life	15 Shorebirds
S2	14 Feb 2017	Floatables	None
S2	14 Feb 2017	Water Color	Green
S2	14 Feb 2017	Current Direction	N
S2	14 Feb 2017	Water Temp (C)	16
S2	14 Feb 2017	Wave Height Low (ft)	3
S2	14 Feb 2017	High Tide (ft)	4.5
S2	14 Feb 2017	High Tide Time	1049
S2	14 Feb 2017	Low Tide (ft)	1.1
S2	14 Feb 2017	Low Tide Time	500
S2	14 Feb 2017	Comments	Kelp; Seagrass; Algae; Water clear
S2	21 Feb 2017	Arrive Time	1225
S2	21 Feb 2017	Weather	Sunny
S2	21 Feb 2017	Wind Speed (kts)	6.2
S2	21 Feb 2017	Wind Dir	NE
S2	21 Feb 2017	Animal Life	15 Shorebirds; 5 Dogs; 5 Cats
S2	21 Feb 2017	Floatables	None
S2	21 Feb 2017	Water Color	Green
S2	21 Feb 2017	Current Direction	N
S2	21 Feb 2017	Water Temp (C)	14
S2	21 Feb 2017	Wave Height Low (ft)	3

Station	Date	Parameter	Value
S2	21 Feb 2017	High Tide (ft)	3.3
S2	21 Feb 2017	High Tide Time	1909
S2	21 Feb 2017	Low Tide (ft)	0.1
S2	21 Feb 2017	Low Tide Time	1244
S2	21 Feb 2017	Comments	Kelp; Seagrass; Algae; 10 Persons; Water turbid
S2	28 Feb 2017	Arrive Time	1200
S2	28 Feb 2017	Weather	Sunny
S2	28 Feb 2017	Wind Speed (kts)	3.8
S2	28 Feb 2017	Wind Dir	NE
S2	28 Feb 2017	Animal Life	15 Shorebirds
S2	28 Feb 2017	Floatables	Trash; plants
S2	28 Feb 2017	Water Color	Green
S2	28 Feb 2017	Current Direction	NE
S2	28 Feb 2017	Water Temp (C)	15
S2	28 Feb 2017	Wave Height Low (ft)	3
S2	28 Feb 2017	High Tide (ft)	5.2
S2	28 Feb 2017	High Tide Time	950
S2	28 Feb 2017	Low Tide (ft)	-0.4
S2	28 Feb 2017	Low Tide Time	1620
S2	28 Feb 2017	Comments	Kelp; Algae; Water turbid
S3	07 Feb 2017	Arrive Time	1015
S3	07 Feb 2017	Weather	Cloudy
S3	07 Feb 2017	Wind Speed (kts)	4.1
S3	07 Feb 2017	Wind Dir	SW
S3	07 Feb 2017	Animal Life	1 Dog; 20 Seagulls
S3	07 Feb 2017	Floatables	None
S3	07 Feb 2017	Water Color	Green
S3	07 Feb 2017	Current Direction	SW
S3	07 Feb 2017	Water Temp (C)	17
S3	07 Feb 2017	Wave Height Low (ft)	2
S3	07 Feb 2017	High Tide (ft)	5.8
S3	07 Feb 2017	High Tide Time	552
S3	07 Feb 2017	Low Tide (ft)	-0.9
S3	07 Feb 2017	Low Tide Time	1309
S3	07 Feb 2017	Comments	Water turbid
S3	14 Feb 2017	Arrive Time	940
S3	14 Feb 2017	Weather	Sunny
S3	14 Feb 2017	Wind Speed (kts)	4.1
S3	14 Feb 2017	Wind Dir	SE
S3	14 Feb 2017	Animal Life	5 Dogs; 5 Seagulls
S3	14 Feb 2017	Floatables	None
S3	14 Feb 2017	Water Color	Green
S3	14 Feb 2017	Current Direction	N
S3	14 Feb 2017	Water Temp (C)	16
S3	14 Feb 2017	Wave Height Low (ft)	3
S3	14 Feb 2017	High Tide (ft)	4.5
S3	14 Feb 2017	High Tide Time	1049
S3	14 Feb 2017	Low Tide (ft)	1.1
S3	14 Feb 2017	Low Tide Time	500
S3	14 Feb 2017	Comments	Kelp; Seagrass; Algae; 5 Persons; Water clear
S3	21 Feb 2017	Arrive Time	1150

Station	Date	Parameter	Value
S3	21 Feb 2017	Weather	Sunny
S3	21 Feb 2017	Wind Speed (kts)	3.6
S3	21 Feb 2017	Wind Dir	NE
S3	21 Feb 2017	Animal Life	5 Dogs; 5 Seagulls
S3	21 Feb 2017	Floatables	None
S3	21 Feb 2017	Water Color	Green
S3	21 Feb 2017	Current Direction	N
S3	21 Feb 2017	Water Temp (C)	14
S3	21 Feb 2017	Wave Height Low (ft)	3
S3	21 Feb 2017	High Tide (ft)	4.6
S3	21 Feb 2017	High Tide Time	521
S3	21 Feb 2017	Low Tide (ft)	0.1
S3	21 Feb 2017	Low Tide Time	1244
S3	21 Feb 2017	Comments	Kelp; Algae; 3 Persons; Water clear
S3	28 Feb 2017	Arrive Time	1240
S3	28 Feb 2017	Weather	Sunny
S3	28 Feb 2017	Wind Speed (kts)	3.2
S3	28 Feb 2017	Wind Dir	NE
S3	28 Feb 2017	Animal Life	5 Shorebirds
S3	28 Feb 2017	Floatables	None
S3	28 Feb 2017	Water Color	Green
S3	28 Feb 2017	Current Direction	N
S3	28 Feb 2017	Water Temp (C)	15
S3	28 Feb 2017	Wave Height Low (ft)	3
S3	28 Feb 2017	High Tide (ft)	5.2
S3	28 Feb 2017	High Tide Time	950
S3	28 Feb 2017	Low Tide (ft)	-0.4
S3	28 Feb 2017	Low Tide Time	1620
S3	28 Feb 2017	Comments	Kelp; Algae; 2 Persons; Water turbid; Trash in the beach
S4	07 Feb 2017	Arrive Time	1013
S4	07 Feb 2017	Weather	Cloudy
S4	07 Feb 2017	Wind Speed (kts)	3
S4	07 Feb 2017	Wind Dir	SW
S4	07 Feb 2017	Animal Life	None
S4	07 Feb 2017	Floatables	None
S4	07 Feb 2017	Water Color	Green
S4	07 Feb 2017	Current Direction	SW
S4	07 Feb 2017	Water Temp (C)	16
S4	07 Feb 2017	Wave Height Low (ft)	2
S4	07 Feb 2017	High Tide (ft)	5.8
S4	07 Feb 2017	High Tide Time	552
S4	07 Feb 2017	Low Tide (ft)	-0.9
S4	07 Feb 2017	Low Tide Time	1309
S4	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S4	09 Feb 2017	Arrive Time	1307
S4	09 Feb 2017	Weather	Foggy
S4	09 Feb 2017	Wind Speed (kts)	12.2
S4	09 Feb 2017	Wind Dir	N
S4	09 Feb 2017	Animal Life	None
S4	09 Feb 2017	Floatables	None
S4	09 Feb 2017	Water Color	Green
S4	09 Feb 2017	Current Direction	N

Station	Date	Parameter	Value
S4	09 Feb 2017	Water Temp (C)	16.5
S4	09 Feb 2017	Wave Height Low (ft)	1
S4	09 Feb 2017	High Tide (ft)	6.3
S4	09 Feb 2017	High Tide Time	728
S4	09 Feb 2017	Low Tide (ft)	-1.4
S4	09 Feb 2017	Low Tide Time	1431
S4	09 Feb 2017	Comments	2 Persons; Water clear
S4	14 Feb 2017	Arrive Time	933
S4	14 Feb 2017	Weather	Sunny
S4	14 Feb 2017	Wind Speed (kts)	3
S4	14 Feb 2017	Wind Dir	W
S4	14 Feb 2017	Animal Life	None
S4	14 Feb 2017	Floatables	None
S4	14 Feb 2017	Water Color	Green
S4	14 Feb 2017	Current Direction	W
S4	14 Feb 2017	Water Temp (C)	17
S4	14 Feb 2017	Wave Height Low (ft)	3
S4	14 Feb 2017	High Tide (ft)	4.5
S4	14 Feb 2017	High Tide Time	1049
S4	14 Feb 2017	Low Tide (ft)	1.1
S4	14 Feb 2017	Low Tide Time	500
S4	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S4	21 Feb 2017	Arrive Time	1137
S4	21 Feb 2017	Weather	Sunny
S4	21 Feb 2017	Wind Speed (kts)	2.3
S4	21 Feb 2017	Wind Dir	W
S4	21 Feb 2017	Animal Life	None
S4	21 Feb 2017	Floatables	None
S4	21 Feb 2017	Water Color	Green
S4	21 Feb 2017	Current Direction	N
S4	21 Feb 2017	Water Temp (C)	17
S4	21 Feb 2017	Wave Height Low (ft)	2
S4	21 Feb 2017	High Tide (ft)	4.6
S4	21 Feb 2017	High Tide Time	521
S4	21 Feb 2017	Low Tide (ft)	0.1
S4	21 Feb 2017	Low Tide Time	1244
S4	21 Feb 2017	Comments	Water clear
S4	28 Feb 2017	Arrive Time	1201
S4	28 Feb 2017	Weather	Sunny
S4	28 Feb 2017	Wind Speed (kts)	3.6
S4	28 Feb 2017	Wind Dir	W
S4	28 Feb 2017	Animal Life	None
S4	28 Feb 2017	Floatables	None
S4	28 Feb 2017	Water Color	Brown
S4	28 Feb 2017	Current Direction	N
S4	28 Feb 2017	Water Temp (C)	15.6
S4	28 Feb 2017	Wave Height Low (ft)	4
S4	28 Feb 2017	High Tide (ft)	5.2
S4	28 Feb 2017	High Tide Time	950
S4	28 Feb 2017	Low Tide (ft)	-0.4
S4	28 Feb 2017	Low Tide Time	1620
S4	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; Water clear

Station	Date	Parameter	Value
S5	02 Feb 2017	Arrive Time	959
S5	02 Feb 2017	Weather	Sunny
S5	02 Feb 2017	Wind Speed (kts)	2.1
S5	02 Feb 2017	Wind Dir	W
S5	02 Feb 2017	Animal Life	None
S5	02 Feb 2017	Floatables	None
S5	02 Feb 2017	Water Color	Green
S5	02 Feb 2017	Current Direction	N
S5	02 Feb 2017	Water Temp (C)	15.4
S5	02 Feb 2017	Wave Height Low (ft)	2
S5	02 Feb 2017	High Tide (ft)	3.6
S5	02 Feb 2017	High Tide Time	1230
S5	02 Feb 2017	Low Tide (ft)	1.5
S5	02 Feb 2017	Low Tide Time	654
S5	02 Feb 2017	Comments	Kelp; Seagrass; Sewage-like odor; 6 Persons; Water clear
S5	04 Feb 2017	Arrive Time	853
S5	04 Feb 2017	Weather	Partly Cloudy
S5	04 Feb 2017	Wind Speed (kts)	2.1
S5	04 Feb 2017	Wind Dir	E
S5	04 Feb 2017	Animal Life	None
S5	04 Feb 2017	Floatables	None
S5	04 Feb 2017	Water Color	Brown
S5	04 Feb 2017	Current Direction	N
S5	04 Feb 2017	Water Temp (C)	17
S5	04 Feb 2017	Wave Height Low (ft)	3
S5	04 Feb 2017	High Tide (ft)	4.7
S5	04 Feb 2017	High Tide Time	242
S5	04 Feb 2017	Low Tide (ft)	0.9
S5	04 Feb 2017	Low Tide Time	1002
S5	04 Feb 2017	Comments	Sewage-like odor; 2 Persons; Water turbid
S5	06 Feb 2017	Arrive Time	1032
S5	06 Feb 2017	Weather	Cloudy
S5	06 Feb 2017	Wind Speed (kts)	10.4
S5	06 Feb 2017	Wind Dir	S
S5	06 Feb 2017	Animal Life	None
S5	06 Feb 2017	Floatables	None
S5	06 Feb 2017	Water Color	Green
S5	06 Feb 2017	Current Direction	S
S5	06 Feb 2017	Water Temp (C)	15
S5	06 Feb 2017	Wave Height Low (ft)	2
S5	06 Feb 2017	High Tide (ft)	5.4
S5	06 Feb 2017	High Tide Time	455
S5	06 Feb 2017	Low Tide (ft)	-0.4
S5	06 Feb 2017	Low Tide Time	1221
S5	06 Feb 2017	Comments	Kelp; Seagrass; Water turbid; Sewage-like odor
S5	07 Feb 2017	Arrive Time	1111
S5	07 Feb 2017	Weather	Cloudy
S5	07 Feb 2017	Wind Speed (kts)	3
S5	07 Feb 2017	Wind Dir	SW
S5	07 Feb 2017	Animal Life	None
S5	07 Feb 2017	Floatables	None

Station	Date	Parameter	Value
S5	07 Feb 2017	Water Color	Green
S5	07 Feb 2017	Current Direction	SW
S5	07 Feb 2017	Water Temp (C)	17
S5	07 Feb 2017	Wave Height Low (ft)	2
S5	07 Feb 2017	High Tide (ft)	5.8
S5	07 Feb 2017	High Tide Time	552
S5	07 Feb 2017	Low Tide (ft)	-0.9
S5	07 Feb 2017	Low Tide Time	1309
S5	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid; Sewage-like odor
S5	09 Feb 2017	Arrive Time	1026
S5	09 Feb 2017	Weather	Sunny
S5	09 Feb 2017	Wind Speed (kts)	7.2
S5	09 Feb 2017	Wind Dir	N
S5	09 Feb 2017	Animal Life	None
S5	09 Feb 2017	Floatables	None
S5	09 Feb 2017	Water Color	Green
S5	09 Feb 2017	Current Direction	N
S5	09 Feb 2017	Water Temp (C)	17
S5	09 Feb 2017	Wave Height Low (ft)	2
S5	09 Feb 2017	High Tide (ft)	6.3
S5	09 Feb 2017	High Tide Time	728
S5	09 Feb 2017	Low Tide (ft)	-1.4
S5	09 Feb 2017	Low Tide Time	1431
S5	09 Feb 2017	Comments	Sewage-like odor; Water turbid; Foam present
S5	10 Feb 2017	Arrive Time	904
S5	10 Feb 2017	Weather	Foggy
S5	10 Feb 2017	Wind Speed (kts)	5
S5	10 Feb 2017	Wind Dir	W
S5	10 Feb 2017	Animal Life	None
S5	10 Feb 2017	Floatables	None
S5	10 Feb 2017	Water Color	Green
S5	10 Feb 2017	Current Direction	W
S5	10 Feb 2017	Water Temp (C)	15.5
S5	10 Feb 2017	Wave Height Low (ft)	3
S5	10 Feb 2017	High Tide (ft)	6.2
S5	10 Feb 2017	High Tide Time	811
S5	10 Feb 2017	Low Tide (ft)	-1.3
S5	10 Feb 2017	Low Tide Time	1508
S5	10 Feb 2017	Comments	Kelp; Seagrass; Water turbid; 2 Photographers
S5	12 Feb 2017	Arrive Time	1042
S5	12 Feb 2017	Weather	Sunny
S5	12 Feb 2017	Wind Speed (kts)	5
S5	12 Feb 2017	Wind Dir	W
S5	12 Feb 2017	Animal Life	2 Dogs
S5	12 Feb 2017	Floatables	None
S5	12 Feb 2017	Water Color	Green
S5	12 Feb 2017	Current Direction	W
S5	12 Feb 2017	Water Temp (C)	17
S5	12 Feb 2017	Wave Height Low (ft)	3
S5	12 Feb 2017	High Tide (ft)	5.7
S5	12 Feb 2017	High Tide Time	931
S5	12 Feb 2017	Low Tide (ft)	-0.7

Station	Date	Parameter	Value
S5	12 Feb 2017	Low Tide Time	1616
S5	12 Feb 2017	Comments	Kelp; Seagrass; 5 Persons; Water turbid
S5	14 Feb 2017	Arrive Time	1110
S5	14 Feb 2017	Weather	Cloudy
S5	14 Feb 2017	Wind Speed (kts)	5
S5	14 Feb 2017	Wind Dir	SW
S5	14 Feb 2017	Animal Life	None
S5	14 Feb 2017	Floatables	None
S5	14 Feb 2017	Water Color	Green
S5	14 Feb 2017	Current Direction	SW
S5	14 Feb 2017	Water Temp (C)	18
S5	14 Feb 2017	Wave Height Low (ft)	4
S5	14 Feb 2017	High Tide (ft)	4.5
S5	14 Feb 2017	High Tide Time	1049
S5	14 Feb 2017	Low Tide (ft)	1.1
S5	14 Feb 2017	Low Tide Time	500
S5	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S5	16 Feb 2017	Arrive Time	1333
S5	16 Feb 2017	Weather	Cloudy
S5	16 Feb 2017	Wind Speed (kts)	5
S5	16 Feb 2017	Wind Dir	W
S5	16 Feb 2017	Animal Life	None
S5	16 Feb 2017	Floatables	None
S5	16 Feb 2017	Water Color	Green
S5	16 Feb 2017	Current Direction	W
S5	16 Feb 2017	Water Temp (C)	17
S5	16 Feb 2017	Wave Height Low (ft)	2
S5	16 Feb 2017	High Tide (ft)	3.2
S5	16 Feb 2017	High Tide Time	1222
S5	16 Feb 2017	Low Tide (ft)	1.4
S5	16 Feb 2017	Low Tide Time	1824
S5	16 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S5	17 Feb 2017	Arrive Time	919
S5	17 Feb 2017	Weather	Cloudy
S5	17 Feb 2017	Wind Speed (kts)	15
S5	17 Feb 2017	Wind Dir	W
S5	17 Feb 2017	Animal Life	None
S5	17 Feb 2017	Floatables	None
S5	17 Feb 2017	Water Color	Green
S5	17 Feb 2017	Current Direction	W
S5	17 Feb 2017	Water Temp (C)	17
S5	17 Feb 2017	Wave Height Low (ft)	4
S5	17 Feb 2017	High Tide (ft)	2.7
S5	17 Feb 2017	High Tide Time	1340
S5	17 Feb 2017	Low Tide (ft)	1.6
S5	17 Feb 2017	Low Tide Time	806
S5	17 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S5	19 Feb 2017	Arrive Time	1111
S5	19 Feb 2017	Weather	Cloudy
S5	19 Feb 2017	Wind Speed (kts)	9
S5	19 Feb 2017	Wind Dir	W

Station	Date	Parameter	Value
S5	19 Feb 2017	Animal Life	None
S5	19 Feb 2017	Floatables	None
S5	19 Feb 2017	Water Color	Green
S5	19 Feb 2017	Current Direction	W
S5	19 Feb 2017	Water Temp (C)	17
S5	19 Feb 2017	Wave Height Low (ft)	5
S5	19 Feb 2017	High Tide (ft)	2.7
S5	19 Feb 2017	High Tide Time	1800
S5	19 Feb 2017	Low Tide (ft)	1
S5	19 Feb 2017	Low Tide Time	1115
S5	19 Feb 2017	Comments	Kelp; Seagrass; Debris; Water turbid
S5	21 Feb 2017	Arrive Time	936
S5	21 Feb 2017	Weather	Sunny
S5	21 Feb 2017	Wind Speed (kts)	3.7
S5	21 Feb 2017	Wind Dir	NW
S5	21 Feb 2017	Animal Life	None
S5	21 Feb 2017	Floatables	None
S5	21 Feb 2017	Water Color	Brown
S5	21 Feb 2017	Current Direction	N
S5	21 Feb 2017	Water Temp (C)	16.7
S5	21 Feb 2017	Wave Height Low (ft)	1
S5	21 Feb 2017	High Tide (ft)	4.6
S5	21 Feb 2017	High Tide Time	521
S5	21 Feb 2017	Low Tide (ft)	0.1
S5	21 Feb 2017	Low Tide Time	1244
S5	21 Feb 2017	Comments	Sewage-like odor; Water turbid; Foam present in the water and on the shore
S5	23 Feb 2017	Arrive Time	1304
S5	23 Feb 2017	Weather	Sunny
S5	23 Feb 2017	Wind Speed (kts)	6
S5	23 Feb 2017	Wind Dir	N
S5	23 Feb 2017	Animal Life	None
S5	23 Feb 2017	Floatables	None
S5	23 Feb 2017	Water Color	Green
S5	23 Feb 2017	Current Direction	N
S5	23 Feb 2017	Water Temp (C)	14.4
S5	23 Feb 2017	Wave Height Low (ft)	1
S5	23 Feb 2017	High Tide (ft)	5.3
S5	23 Feb 2017	High Tide Time	643
S5	23 Feb 2017	Low Tide (ft)	-0.6
S5	23 Feb 2017	Low Tide Time	1345
S5	23 Feb 2017	Comments	Sewage-like odor; Water clear
S5	25 Feb 2017	Arrive Time	1114
S5	25 Feb 2017	Weather	Sunny
S5	25 Feb 2017	Wind Speed (kts)	6
S5	25 Feb 2017	Wind Dir	W
S5	25 Feb 2017	Animal Life	None
S5	25 Feb 2017	Floatables	None
S5	25 Feb 2017	Water Color	Green
S5	25 Feb 2017	Current Direction	N
S5	25 Feb 2017	Water Temp (C)	14.6
S5	25 Feb 2017	Wave Height Low (ft)	2

Station	Date	Parameter	Value
S5	25 Feb 2017	High Tide (ft)	5.7
S5	25 Feb 2017	High Tide Time	755
S5	25 Feb 2017	Low Tide (ft)	-0.9
S5	25 Feb 2017	Low Tide Time	1445
S5	25 Feb 2017	Comments	Kelp; Seagrass; Sewage-like odor; Water clear
S5	27 Feb 2017	Arrive Time	1157
S5	27 Feb 2017	Weather	Heavy Rain
S5	27 Feb 2017	Wind Speed (kts)	28.6
S5	27 Feb 2017	Wind Dir	S
S5	27 Feb 2017	Animal Life	None
S5	27 Feb 2017	Floatables	None
S5	27 Feb 2017	Water Color	Brown
S5	27 Feb 2017	Current Direction	N
S5	27 Feb 2017	Water Temp (C)	14.2
S5	27 Feb 2017	Wave Height Low (ft)	3
S5	27 Feb 2017	High Tide (ft)	5.6
S5	27 Feb 2017	High Tide Time	909
S5	27 Feb 2017	Low Tide (ft)	-0.7
S5	27 Feb 2017	Low Tide Time	1547
S5	27 Feb 2017	Comments	Sewage-like odor; Water turbid; Foam present
S5	28 Feb 2017	Arrive Time	928
S5	28 Feb 2017	Weather	Sunny
S5	28 Feb 2017	Wind Speed (kts)	5.6
S5	28 Feb 2017	Wind Dir	W
S5	28 Feb 2017	Animal Life	None
S5	28 Feb 2017	Floatables	None
S5	28 Feb 2017	Water Color	Brown
S5	28 Feb 2017	Current Direction	N
S5	28 Feb 2017	Water Temp (C)	13.4
S5	28 Feb 2017	Wave Height Low (ft)	4
S5	28 Feb 2017	High Tide (ft)	5.2
S5	28 Feb 2017	High Tide Time	950
S5	28 Feb 2017	Low Tide (ft)	0.4
S5	28 Feb 2017	Low Tide Time	352
S5	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; Water turbid
S6	02 Feb 2017	Arrive Time	943
S6	02 Feb 2017	Weather	Overcast
S6	02 Feb 2017	Wind Speed (kts)	1.7
S6	02 Feb 2017	Wind Dir	W
S6	02 Feb 2017	Animal Life	None
S6	02 Feb 2017	Floatables	None
S6	02 Feb 2017	Water Color	Green
S6	02 Feb 2017	Current Direction	N
S6	02 Feb 2017	Water Temp (C)	15.2
S6	02 Feb 2017	Wave Height Low (ft)	4
S6	02 Feb 2017	High Tide (ft)	3.6
S6	02 Feb 2017	High Tide Time	1230
S6	02 Feb 2017	Low Tide (ft)	1.5
S6	02 Feb 2017	Low Tide Time	564
S6	02 Feb 2017	Comments	Kelp; Seagrass; 2 Persons; 6 Surfers; Water clear
S6	04 Feb 2017	Arrive Time	909

Station	Date	Parameter	Value
S6	04 Feb 2017	Weather	Partly Cloudy
S6	04 Feb 2017	Wind Speed (kts)	4
S6	04 Feb 2017	Wind Dir	W
S6	04 Feb 2017	Animal Life	2 Dogs
S6	04 Feb 2017	Floatables	None
S6	04 Feb 2017	Water Color	Green
S6	04 Feb 2017	Current Direction	N
S6	04 Feb 2017	Water Temp (C)	16.6
S6	04 Feb 2017	Wave Height Low (ft)	4
S6	04 Feb 2017	High Tide (ft)	4.7
S6	04 Feb 2017	High Tide Time	242
S6	04 Feb 2017	Low Tide (ft)	0.9
S6	04 Feb 2017	Low Tide Time	1002
S6	04 Feb 2017	Comments	3 Persons; 5 Surfers; Water clear
S6	06 Feb 2017	Arrive Time	1055
S6	06 Feb 2017	Weather	Cloudy
S6	06 Feb 2017	Wind Speed (kts)	10
S6	06 Feb 2017	Wind Dir	S
S6	06 Feb 2017	Animal Life	None
S6	06 Feb 2017	Floatables	None
S6	06 Feb 2017	Water Color	Green
S6	06 Feb 2017	Current Direction	S
S6	06 Feb 2017	Water Temp (C)	15
S6	06 Feb 2017	Wave Height Low (ft)	1
S6	06 Feb 2017	High Tide (ft)	5.4
S6	06 Feb 2017	High Tide Time	455
S6	06 Feb 2017	Low Tide (ft)	-0.4
S6	06 Feb 2017	Low Tide Time	1221
S6	06 Feb 2017	Comments	Kelp; Seagrass; Water turbid; Sewage-like odor
S6	07 Feb 2017	Arrive Time	1127
S6	07 Feb 2017	Weather	Cloudy
S6	07 Feb 2017	Wind Speed (kts)	3
S6	07 Feb 2017	Wind Dir	SW
S6	07 Feb 2017	Animal Life	None
S6	07 Feb 2017	Floatables	None
S6	07 Feb 2017	Water Color	Green
S6	07 Feb 2017	Current Direction	SW
S6	07 Feb 2017	Water Temp (C)	17
S6	07 Feb 2017	Wave Height Low (ft)	2
S6	07 Feb 2017	High Tide (ft)	5.8
S6	07 Feb 2017	High Tide Time	552
S6	07 Feb 2017	Low Tide (ft)	-0.9
S6	07 Feb 2017	Low Tide Time	1309
S6	07 Feb 2017	Comments	Kelp; Seagrass; 2 Persons; Water turbid
S6	09 Feb 2017	Arrive Time	1118
S6	09 Feb 2017	Weather	Sunny
S6	09 Feb 2017	Wind Speed (kts)	9.2
S6	09 Feb 2017	Wind Dir	N
S6	09 Feb 2017	Animal Life	None
S6	09 Feb 2017	Floatables	None
S6	09 Feb 2017	Water Color	Green
S6	09 Feb 2017	Current Direction	N

Station	Date	Parameter	Value
S6	09 Feb 2017	Water Temp (C)	17
S6	09 Feb 2017	Wave Height Low (ft)	2
S6	09 Feb 2017	High Tide (ft)	6.3
S6	09 Feb 2017	High Tide Time	728
S6	09 Feb 2017	Low Tide (ft)	-1.4
S6	09 Feb 2017	Low Tide Time	1431
S6	09 Feb 2017	Comments	5 Persons; Water clear
S6	14 Feb 2017	Arrive Time	1140
S6	14 Feb 2017	Weather	Cloudy
S6	14 Feb 2017	Wind Speed (kts)	4
S6	14 Feb 2017	Wind Dir	W
S6	14 Feb 2017	Animal Life	None
S6	14 Feb 2017	Floatables	None
S6	14 Feb 2017	Water Color	Green
S6	14 Feb 2017	Current Direction	W
S6	14 Feb 2017	Water Temp (C)	18
S6	14 Feb 2017	Wave Height Low (ft)	4
S6	14 Feb 2017	High Tide (ft)	4.5
S6	14 Feb 2017	High Tide Time	1049
S6	14 Feb 2017	Low Tide (ft)	0.3
S6	14 Feb 2017	Low Tide Time	1720
S6	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S6	21 Feb 2017	Arrive Time	1021
S6	21 Feb 2017	Weather	Sunny
S6	21 Feb 2017	Wind Speed (kts)	3.6
S6	21 Feb 2017	Wind Dir	NW
S6	21 Feb 2017	Animal Life	None
S6	21 Feb 2017	Floatables	None
S6	21 Feb 2017	Water Color	Green
S6	21 Feb 2017	Current Direction	N
S6	21 Feb 2017	Water Temp (C)	16.4
S6	21 Feb 2017	Wave Height Low (ft)	2
S6	21 Feb 2017	High Tide (ft)	4.6
S6	21 Feb 2017	High Tide Time	521
S6	21 Feb 2017	Low Tide (ft)	0.1
S6	21 Feb 2017	Low Tide Time	1244
S6	21 Feb 2017	Comments	5 Persons; Water clear
S6	28 Feb 2017	Arrive Time	909
S6	28 Feb 2017	Weather	Sunny
S6	28 Feb 2017	Wind Speed (kts)	5.4
S6	28 Feb 2017	Wind Dir	W
S6	28 Feb 2017	Animal Life	None
S6	28 Feb 2017	Floatables	None
S6	28 Feb 2017	Water Color	Brown
S6	28 Feb 2017	Current Direction	N
S6	28 Feb 2017	Water Temp (C)	14.4
S6	28 Feb 2017	Wave Height Low (ft)	4
S6	28 Feb 2017	High Tide (ft)	5.2
S6	28 Feb 2017	High Tide Time	950
S6	28 Feb 2017	Low Tide (ft)	0.4
S6	28 Feb 2017	Low Tide Time	352
S6	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; Water turbid

Station	Date	Parameter	Value
S8	07 Feb 2017	Arrive Time	1200
S8	07 Feb 2017	Weather	Cloudy
S8	07 Feb 2017	Wind Speed (kts)	3
S8	07 Feb 2017	Wind Dir	SW
S8	07 Feb 2017	Animal Life	None
S8	07 Feb 2017	Floatables	None
S8	07 Feb 2017	Water Color	Green
S8	07 Feb 2017	Current Direction	SW
S8	07 Feb 2017	Water Temp (C)	17
S8	07 Feb 2017	Wave Height Low (ft)	1
S8	07 Feb 2017	High Tide (ft)	5.8
S8	07 Feb 2017	High Tide Time	552
S8	07 Feb 2017	Low Tide (ft)	-0.9
S8	07 Feb 2017	Low Tide Time	1309
S8	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S8	09 Feb 2017	Arrive Time	839
S8	09 Feb 2017	Weather	Sunny
S8	09 Feb 2017	Wind Speed (kts)	3.6
S8	09 Feb 2017	Wind Dir	N
S8	09 Feb 2017	Animal Life	None
S8	09 Feb 2017	Floatables	None
S8	09 Feb 2017	Water Color	Green
S8	09 Feb 2017	Current Direction	N
S8	09 Feb 2017	Water Temp (C)	17.6
S8	09 Feb 2017	Wave Height Low (ft)	3
S8	09 Feb 2017	High Tide (ft)	6.3
S8	09 Feb 2017	High Tide Time	728
S8	09 Feb 2017	Low Tide (ft)	-1.4
S8	09 Feb 2017	Low Tide Time	1431
S8	09 Feb 2017	Comments	Seagrass; Water clear
S8	14 Feb 2017	Arrive Time	1229
S8	14 Feb 2017	Weather	Cloudy
S8	14 Feb 2017	Wind Speed (kts)	5
S8	14 Feb 2017	Wind Dir	W
S8	14 Feb 2017	Animal Life	None
S8	14 Feb 2017	Floatables	None
S8	14 Feb 2017	Water Color	Green
S8	14 Feb 2017	Current Direction	W
S8	14 Feb 2017	Water Temp (C)	18
S8	14 Feb 2017	Wave Height Low (ft)	3
S8	14 Feb 2017	High Tide (ft)	4.5
S8	14 Feb 2017	High Tide Time	1049
S8	14 Feb 2017	Low Tide (ft)	0.3
S8	14 Feb 2017	Low Tide Time	1720
S8	14 Feb 2017	Comments	Kelp; Seagrass; Water clear
S8	21 Feb 2017	Arrive Time	810
S8	21 Feb 2017	Weather	Sunny
S8	21 Feb 2017	Wind Speed (kts)	1.3
S8	21 Feb 2017	Wind Dir	N
S8	21 Feb 2017	Animal Life	None
S8	21 Feb 2017	Floatables	None

Station	Date	Parameter	Value
S8	21 Feb 2017	Water Color	Green
S8	21 Feb 2017	Current Direction	N
S8	21 Feb 2017	Water Temp (C)	15.6
S8	21 Feb 2017	Wave Height Low (ft)	2
S8	21 Feb 2017	High Tide (ft)	4.6
S8	21 Feb 2017	High Tide Time	521
S8	21 Feb 2017	Low Tide (ft)	0.1
S8	21 Feb 2017	Low Tide Time	1244
S8	21 Feb 2017	Comments	Seagrass; Water clear
S8	28 Feb 2017	Arrive Time	814
S8	28 Feb 2017	Weather	Sunny
S8	28 Feb 2017	Wind Speed (kts)	7.4
S8	28 Feb 2017	Wind Dir	W
S8	28 Feb 2017	Animal Life	None
S8	28 Feb 2017	Floatables	None
S8	28 Feb 2017	Water Color	Brown
S8	28 Feb 2017	Current Direction	N
S8	28 Feb 2017	Water Temp (C)	13.8
S8	28 Feb 2017	Wave Height Low (ft)	3
S8	28 Feb 2017	High Tide (ft)	5.2
S8	28 Feb 2017	High Tide Time	950
S8	28 Feb 2017	Low Tide (ft)	0.4
S8	28 Feb 2017	Low Tide Time	352
S8	28 Feb 2017	Comments	Kelp; Seagrass; Sewage-like odor; 2 Persons; Water clear
S9	07 Feb 2017	Arrive Time	1215
S9	07 Feb 2017	Weather	Cloudy
S9	07 Feb 2017	Wind Speed (kts)	5
S9	07 Feb 2017	Wind Dir	SW
S9	07 Feb 2017	Animal Life	None
S9	07 Feb 2017	Floatables	None
S9	07 Feb 2017	Water Color	Green
S9	07 Feb 2017	Current Direction	SW
S9	07 Feb 2017	Water Temp (C)	16
S9	07 Feb 2017	Wave Height Low (ft)	1
S9	07 Feb 2017	High Tide (ft)	5.8
S9	07 Feb 2017	High Tide Time	552
S9	07 Feb 2017	Low Tide (ft)	-0.9
S9	07 Feb 2017	Low Tide Time	1309
S9	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S9	14 Feb 2017	Arrive Time	1246
S9	14 Feb 2017	Weather	Cloudy
S9	14 Feb 2017	Wind Speed (kts)	3
S9	14 Feb 2017	Wind Dir	W
S9	14 Feb 2017	Animal Life	None
S9	14 Feb 2017	Floatables	None
S9	14 Feb 2017	Water Color	Green
S9	14 Feb 2017	Current Direction	W
S9	14 Feb 2017	Water Temp (C)	18
S9	14 Feb 2017	Wave Height Low (ft)	3
S9	14 Feb 2017	High Tide (ft)	4.5
S9	14 Feb 2017	High Tide Time	1049
S9	14 Feb 2017	Low Tide (ft)	0.3

Station	Date	Parameter	Value
S9	14 Feb 2017	Low Tide Time	1720
S9	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S9	21 Feb 2017	Arrive Time	747
S9	21 Feb 2017	Weather	Cloudy
S9	21 Feb 2017	Wind Speed (kts)	0.7
S9	21 Feb 2017	Wind Dir	N
S9	21 Feb 2017	Animal Life	None
S9	21 Feb 2017	Floatables	None
S9	21 Feb 2017	Water Color	Green
S9	21 Feb 2017	Current Direction	N
S9	21 Feb 2017	Water Temp (C)	14.2
S9	21 Feb 2017	Wave Height Low (ft)	3
S9	21 Feb 2017	High Tide (ft)	4.6
S9	21 Feb 2017	High Tide Time	521
S9	21 Feb 2017	Low Tide (ft)	0.1
S9	21 Feb 2017	Low Tide Time	1244
S9	21 Feb 2017	Comments	Water clear
S9	23 Feb 2017	Arrive Time	1221
S9	23 Feb 2017	Weather	Sunny
S9	23 Feb 2017	Wind Speed (kts)	6
S9	23 Feb 2017	Wind Dir	N
S9	23 Feb 2017	Animal Life	None
S9	23 Feb 2017	Floatables	None
S9	23 Feb 2017	Water Color	Green
S9	23 Feb 2017	Current Direction	N
S9	23 Feb 2017	Water Temp (C)	15.2
S9	23 Feb 2017	Wave Height Low (ft)	2
S9	23 Feb 2017	High Tide (ft)	5.3
S9	23 Feb 2017	High Tide Time	643
S9	23 Feb 2017	Low Tide (ft)	-0.6
S9	23 Feb 2017	Low Tide Time	1345
S9	23 Feb 2017	Comments	12 Persons; Water clear
S9	28 Feb 2017	Arrive Time	746
S9	28 Feb 2017	Weather	Sunny
S9	28 Feb 2017	Wind Speed (kts)	4.4
S9	28 Feb 2017	Wind Dir	W
S9	28 Feb 2017	Animal Life	None
S9	28 Feb 2017	Floatables	None
S9	28 Feb 2017	Water Color	Brown
S9	28 Feb 2017	Current Direction	N
S9	28 Feb 2017	Water Temp (C)	13.6
S9	28 Feb 2017	Wave Height Low (ft)	4
S9	28 Feb 2017	High Tide (ft)	5.2
S9	28 Feb 2017	High Tide Time	950
S9	28 Feb 2017	Low Tide (ft)	0.4
S9	28 Feb 2017	Low Tide Time	352
S9	28 Feb 2017	Comments	Kelp; Seagrass; Sewage-like odor; Water clear
S10	02 Feb 2017	Arrive Time	840
S10	02 Feb 2017	Weather	Overcast
S10	02 Feb 2017	Wind Speed (kts)	1.5
S10	02 Feb 2017	Wind Dir	W

Station	Date	Parameter	Value
S10	02 Feb 2017	Animal Life	None
S10	02 Feb 2017	Floatables	None
S10	02 Feb 2017	Water Color	Green
S10	02 Feb 2017	Current Direction	N
S10	02 Feb 2017	Water Temp (C)	14.4
S10	02 Feb 2017	Wave Height Low (ft)	3
S10	02 Feb 2017	High Tide (ft)	3.6
S10	02 Feb 2017	High Tide Time	1230
S10	02 Feb 2017	Low Tide (ft)	1.5
S10	02 Feb 2017	Low Tide Time	654
S10	02 Feb 2017	Comments	Kelp; Seagrass; Water clear
S10	04 Feb 2017	Arrive Time	809
S10	04 Feb 2017	Weather	Partly Cloudy
S10	04 Feb 2017	Wind Speed (kts)	2.9
S10	04 Feb 2017	Wind Dir	NE
S10	04 Feb 2017	Animal Life	None
S10	04 Feb 2017	Floatables	None
S10	04 Feb 2017	Water Color	Green
S10	04 Feb 2017	Current Direction	N
S10	04 Feb 2017	Water Temp (C)	15.2
S10	04 Feb 2017	Wave Height Low (ft)	3
S10	04 Feb 2017	High Tide (ft)	4.7
S10	04 Feb 2017	High Tide Time	242
S10	04 Feb 2017	Low Tide (ft)	0.9
S10	04 Feb 2017	Low Tide Time	1002
S10	04 Feb 2017	Comments	Water clear
S10	07 Feb 2017	Arrive Time	958
S10	07 Feb 2017	Weather	Cloudy
S10	07 Feb 2017	Wind Speed (kts)	2
S10	07 Feb 2017	Wind Dir	SW
S10	07 Feb 2017	Animal Life	None
S10	07 Feb 2017	Floatables	None
S10	07 Feb 2017	Water Color	Green
S10	07 Feb 2017	Current Direction	SW
S10	07 Feb 2017	Water Temp (C)	16
S10	07 Feb 2017	Wave Height Low (ft)	2
S10	07 Feb 2017	High Tide (ft)	5.8
S10	07 Feb 2017	High Tide Time	552
S10	07 Feb 2017	Low Tide (ft)	-0.9
S10	07 Feb 2017	Low Tide Time	1309
S10	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid; Sewage-like odor
S10	09 Feb 2017	Arrive Time	1234
S10	09 Feb 2017	Weather	Foggy
S10	09 Feb 2017	Wind Speed (kts)	13.2
S10	09 Feb 2017	Wind Dir	NW
S10	09 Feb 2017	Animal Life	None
S10	09 Feb 2017	Floatables	None
S10	09 Feb 2017	Water Color	Green
S10	09 Feb 2017	Current Direction	N
S10	09 Feb 2017	Water Temp (C)	17.1
S10	09 Feb 2017	Wave Height Low (ft)	2
S10	09 Feb 2017	High Tide (ft)	6.3

Station	Date	Parameter	Value
S10	09 Feb 2017	High Tide Time	728
S10	09 Feb 2017	Low Tide (ft)	-1.4
S10	09 Feb 2017	Low Tide Time	1431
S10	09 Feb 2017	Comments	1 Person; Water clear
S10	10 Feb 2017	Arrive Time	1013
S10	10 Feb 2017	Weather	Cloudy
S10	10 Feb 2017	Wind Speed (kts)	5
S10	10 Feb 2017	Wind Dir	W
S10	10 Feb 2017	Animal Life	None
S10	10 Feb 2017	Floatables	None
S10	10 Feb 2017	Water Color	Green
S10	10 Feb 2017	Current Direction	W
S10	10 Feb 2017	Water Temp (C)	16
S10	10 Feb 2017	Wave Height Low (ft)	3
S10	10 Feb 2017	High Tide (ft)	6.2
S10	10 Feb 2017	High Tide Time	811
S10	10 Feb 2017	Low Tide (ft)	-1.3
S10	10 Feb 2017	Low Tide Time	1508
S10	10 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S10	12 Feb 2017	Arrive Time	1149
S10	12 Feb 2017	Weather	Sunny
S10	12 Feb 2017	Wind Speed (kts)	10
S10	12 Feb 2017	Wind Dir	W
S10	12 Feb 2017	Animal Life	7 Horses
S10	12 Feb 2017	Floatables	None
S10	12 Feb 2017	Water Color	Green
S10	12 Feb 2017	Current Direction	W
S10	12 Feb 2017	Water Temp (C)	17
S10	12 Feb 2017	Wave Height Low (ft)	4
S10	12 Feb 2017	High Tide (ft)	5.7
S10	12 Feb 2017	High Tide Time	931
S10	12 Feb 2017	Low Tide (ft)	-0.7
S10	12 Feb 2017	Low Tide Time	1616
S10	12 Feb 2017	Comments	Kelp; Seagrass; 8 Persons; Water turbid
S10	14 Feb 2017	Arrive Time	947
S10	14 Feb 2017	Weather	Sunny
S10	14 Feb 2017	Wind Speed (kts)	3
S10	14 Feb 2017	Wind Dir	SW
S10	14 Feb 2017	Animal Life	None
S10	14 Feb 2017	Floatables	None
S10	14 Feb 2017	Water Color	Green
S10	14 Feb 2017	Current Direction	SW
S10	14 Feb 2017	Water Temp (C)	17
S10	14 Feb 2017	Wave Height Low (ft)	3
S10	14 Feb 2017	High Tide (ft)	4.5
S10	14 Feb 2017	High Tide Time	1049
S10	14 Feb 2017	Low Tide (ft)	1.1
S10	14 Feb 2017	Low Tide Time	500
S10	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S10	21 Feb 2017	Arrive Time	1154
S10	21 Feb 2017	Weather	Sunny

Station	Date	Parameter	Value
S10	21 Feb 2017	Wind Speed (kts)	3.7
S10	21 Feb 2017	Wind Dir	NW
S10	21 Feb 2017	Animal Life	None
S10	21 Feb 2017	Floatables	None
S10	21 Feb 2017	Water Color	Green
S10	21 Feb 2017	Current Direction	N
S10	21 Feb 2017	Water Temp (C)	17
S10	21 Feb 2017	Wave Height Low (ft)	2
S10	21 Feb 2017	High Tide (ft)	4.6
S10	21 Feb 2017	High Tide Time	521
S10	21 Feb 2017	Low Tide (ft)	0.1
S10	21 Feb 2017	Low Tide Time	1244
S10	21 Feb 2017	Comments	4 Persons; Water clear
S10	28 Feb 2017	Arrive Time	1213
S10	28 Feb 2017	Weather	Sunny
S10	28 Feb 2017	Wind Speed (kts)	2.9
S10	28 Feb 2017	Wind Dir	W
S10	28 Feb 2017	Animal Life	None
S10	28 Feb 2017	Floatables	None
S10	28 Feb 2017	Water Color	Brown
S10	28 Feb 2017	Current Direction	N
S10	28 Feb 2017	Water Temp (C)	15.8
S10	28 Feb 2017	Wave Height Low (ft)	4
S10	28 Feb 2017	High Tide (ft)	5.2
S10	28 Feb 2017	High Tide Time	950
S10	28 Feb 2017	Low Tide (ft)	-0.4
S10	28 Feb 2017	Low Tide Time	1620
S10	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; Water clear
S11	02 Feb 2017	Arrive Time	953
S11	02 Feb 2017	Weather	Sunny
S11	02 Feb 2017	Wind Speed (kts)	3.3
S11	02 Feb 2017	Wind Dir	NW
S11	02 Feb 2017	Animal Life	None
S11	02 Feb 2017	Floatables	None
S11	02 Feb 2017	Water Color	Green
S11	02 Feb 2017	Current Direction	N
S11	02 Feb 2017	Water Temp (C)	15.6
S11	02 Feb 2017	Wave Height Low (ft)	3
S11	02 Feb 2017	High Tide (ft)	3.6
S11	02 Feb 2017	High Tide Time	1230
S11	02 Feb 2017	Low Tide (ft)	1.5
S11	02 Feb 2017	Low Tide Time	654
S11	02 Feb 2017	Comments	Kelp; Seagrass; Water clear
S11	04 Feb 2017	Arrive Time	902
S11	04 Feb 2017	Weather	Partly Cloudy
S11	04 Feb 2017	Wind Speed (kts)	1.9
S11	04 Feb 2017	Wind Dir	W
S11	04 Feb 2017	Animal Life	None
S11	04 Feb 2017	Floatables	None
S11	04 Feb 2017	Water Color	Green
S11	04 Feb 2017	Current Direction	N
S11	04 Feb 2017	Water Temp (C)	17

Station	Date	Parameter	Value
S11	04 Feb 2017	Wave Height Low (ft)	3
S11	04 Feb 2017	High Tide (ft)	4.7
S11	04 Feb 2017	High Tide Time	242
S11	04 Feb 2017	Low Tide (ft)	0.9
S11	04 Feb 2017	Low Tide Time	1002
S11	04 Feb 2017	Comments	Water clear
S11	06 Feb 2017	Arrive Time	1047
S11	06 Feb 2017	Weather	Cloudy
S11	06 Feb 2017	Wind Speed (kts)	11.5
S11	06 Feb 2017	Wind Dir	S
S11	06 Feb 2017	Animal Life	7 Seagulls
S11	06 Feb 2017	Floatables	None
S11	06 Feb 2017	Water Color	Green
S11	06 Feb 2017	Current Direction	S
S11	06 Feb 2017	Water Temp (C)	16
S11	06 Feb 2017	Wave Height Low (ft)	5
S11	06 Feb 2017	High Tide (ft)	5.4
S11	06 Feb 2017	High Tide Time	455
S11	06 Feb 2017	Low Tide (ft)	-0.4
S11	06 Feb 2017	Low Tide Time	1221
S11	06 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S11	07 Feb 2017	Arrive Time	1119
S11	07 Feb 2017	Weather	Cloudy
S11	07 Feb 2017	Wind Speed (kts)	2
S11	07 Feb 2017	Wind Dir	SW
S11	07 Feb 2017	Animal Life	None
S11	07 Feb 2017	Floatables	None
S11	07 Feb 2017	Water Color	Green
S11	07 Feb 2017	Current Direction	SW
S11	07 Feb 2017	Water Temp (C)	17
S11	07 Feb 2017	Wave Height Low (ft)	2
S11	07 Feb 2017	High Tide (ft)	5.8
S11	07 Feb 2017	High Tide Time	552
S11	07 Feb 2017	Low Tide (ft)	-0.9
S11	07 Feb 2017	Low Tide Time	1309
S11	07 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S11	09 Feb 2017	Arrive Time	1049
S11	09 Feb 2017	Weather	Sunny
S11	09 Feb 2017	Wind Speed (kts)	11.2
S11	09 Feb 2017	Wind Dir	N
S11	09 Feb 2017	Animal Life	None
S11	09 Feb 2017	Floatables	None
S11	09 Feb 2017	Water Color	Green
S11	09 Feb 2017	Current Direction	N
S11	09 Feb 2017	Water Temp (C)	17.1
S11	09 Feb 2017	Wave Height Low (ft)	2
S11	09 Feb 2017	High Tide (ft)	6.3
S11	09 Feb 2017	High Tide Time	728
S11	09 Feb 2017	Low Tide (ft)	-1.4
S11	09 Feb 2017	Low Tide Time	1431
S11	09 Feb 2017	Comments	Seagrass; Water clear

Station	Date	Parameter	Value
S11	14 Feb 2017	Arrive Time	1127
S11	14 Feb 2017	Weather	Cloudy
S11	14 Feb 2017	Wind Speed (kts)	5
S11	14 Feb 2017	Wind Dir	W
S11	14 Feb 2017	Animal Life	None
S11	14 Feb 2017	Floatables	None
S11	14 Feb 2017	Water Color	Green
S11	14 Feb 2017	Current Direction	W
S11	14 Feb 2017	Water Temp (C)	18
S11	14 Feb 2017	Wave Height Low (ft)	3
S11	14 Feb 2017	High Tide (ft)	4.5
S11	14 Feb 2017	High Tide Time	1049
S11	14 Feb 2017	Low Tide (ft)	0.3
S11	14 Feb 2017	Low Tide Time	1720
S11	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S11	21 Feb 2017	Arrive Time	953
S11	21 Feb 2017	Weather	Sunny
S11	21 Feb 2017	Wind Speed (kts)	2.1
S11	21 Feb 2017	Wind Dir	NW
S11	21 Feb 2017	Animal Life	None
S11	21 Feb 2017	Floatables	None
S11	21 Feb 2017	Water Color	Colorless
S11	21 Feb 2017	Current Direction	N
S11	21 Feb 2017	Water Temp (C)	16
S11	21 Feb 2017	Wave Height Low (ft)	1
S11	21 Feb 2017	High Tide (ft)	4.6
S11	21 Feb 2017	High Tide Time	521
S11	21 Feb 2017	Low Tide (ft)	0.1
S11	21 Feb 2017	Low Tide Time	1244
S11	21 Feb 2017	Comments	Seagrass; Water clear
S11	28 Feb 2017	Arrive Time	915
S11	28 Feb 2017	Weather	Sunny
S11	28 Feb 2017	Wind Speed (kts)	4.2
S11	28 Feb 2017	Wind Dir	W
S11	28 Feb 2017	Animal Life	None
S11	28 Feb 2017	Floatables	None
S11	28 Feb 2017	Water Color	Brown
S11	28 Feb 2017	Current Direction	N
S11	28 Feb 2017	Water Temp (C)	14.8
S11	28 Feb 2017	Wave Height Low (ft)	4
S11	28 Feb 2017	High Tide (ft)	5.2
S11	28 Feb 2017	High Tide Time	950
S11	28 Feb 2017	Low Tide (ft)	0.4
S11	28 Feb 2017	Low Tide Time	352
S11	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; Water turbid
S12	07 Feb 2017	Arrive Time	1140
S12	07 Feb 2017	Weather	Cloudy
S12	07 Feb 2017	Wind Speed (kts)	3
S12	07 Feb 2017	Wind Dir	SW
S12	07 Feb 2017	Animal Life	None
S12	07 Feb 2017	Floatables	None
S12	07 Feb 2017	Water Color	Green

Station	Date	Parameter	Value
S12	07 Feb 2017	Current Direction	SW
S12	07 Feb 2017	Water Temp (C)	17
S12	07 Feb 2017	Wave Height Low (ft)	1
S12	07 Feb 2017	High Tide (ft)	5.8
S12	07 Feb 2017	High Tide Time	552
S12	07 Feb 2017	Low Tide (ft)	-0.9
S12	07 Feb 2017	Low Tide Time	1309
S12	07 Feb 2017	Comments	Kelp; 1 Person; Water turbid
S12	09 Feb 2017	Arrive Time	914
S12	09 Feb 2017	Weather	Sunny
S12	09 Feb 2017	Wind Speed (kts)	4.4
S12	09 Feb 2017	Wind Dir	N
S12	09 Feb 2017	Animal Life	None
S12	09 Feb 2017	Floatables	None
S12	09 Feb 2017	Water Color	Green
S12	09 Feb 2017	Current Direction	N
S12	09 Feb 2017	Water Temp (C)	17.2
S12	09 Feb 2017	Wave Height Low (ft)	3
S12	09 Feb 2017	High Tide (ft)	6.3
S12	09 Feb 2017	High Tide Time	728
S12	09 Feb 2017	Low Tide (ft)	-1.4
S12	09 Feb 2017	Low Tide Time	1431
S12	09 Feb 2017	Comments	Seagrass; Water clear
S12	14 Feb 2017	Arrive Time	1208
S12	14 Feb 2017	Weather	Cloudy
S12	14 Feb 2017	Wind Speed (kts)	5
S12	14 Feb 2017	Wind Dir	W
S12	14 Feb 2017	Animal Life	None
S12	14 Feb 2017	Floatables	None
S12	14 Feb 2017	Water Color	Green
S12	14 Feb 2017	Current Direction	W
S12	14 Feb 2017	Water Temp (C)	18
S12	14 Feb 2017	Wave Height Low (ft)	3
S12	14 Feb 2017	High Tide (ft)	4.5
S12	14 Feb 2017	High Tide Time	1049
S12	14 Feb 2017	Low Tide (ft)	0.3
S12	14 Feb 2017	Low Tide Time	1720
S12	14 Feb 2017	Comments	Kelp; Seagrass; Water turbid
S12	21 Feb 2017	Arrive Time	831
S12	21 Feb 2017	Weather	Sunny
S12	21 Feb 2017	Wind Speed (kts)	3.4
S12	21 Feb 2017	Wind Dir	N
S12	21 Feb 2017	Animal Life	None
S12	21 Feb 2017	Floatables	None
S12	21 Feb 2017	Water Color	Green
S12	21 Feb 2017	Current Direction	N
S12	21 Feb 2017	Water Temp (C)	15.2
S12	21 Feb 2017	Wave Height Low (ft)	2
S12	21 Feb 2017	High Tide (ft)	4.6
S12	21 Feb 2017	High Tide Time	521
S12	21 Feb 2017	Low Tide (ft)	0.1
S12	21 Feb 2017	Low Tide Time	1244

Station	Date	Parameter	Value
S12	21 Feb 2017	Comments	2 Joggers; 6 Persons; Water clear
S12	28 Feb 2017	Arrive Time	849
S12	28 Feb 2017	Weather	Sunny
S12	28 Feb 2017	Wind Speed (kts)	6.2
S12	28 Feb 2017	Wind Dir	W
S12	28 Feb 2017	Animal Life	None
S12	28 Feb 2017	Floatables	None
S12	28 Feb 2017	Water Color	Brown
S12	28 Feb 2017	Current Direction	N
S12	28 Feb 2017	Water Temp (C)	13.6
S12	28 Feb 2017	Wave Height Low (ft)	3
S12	28 Feb 2017	High Tide (ft)	5.2
S12	28 Feb 2017	High Tide Time	950
S12	28 Feb 2017	Low Tide (ft)	0.4
S12	28 Feb 2017	Low Tide Time	352
S12	28 Feb 2017	Comments	Kelp; Seagrass; Debris; Sewage-like odor; 1 Person; Water clear

Kelp Stations

Table 3.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the 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 Feb 2017	1470	3437	1789	158	267	312	4732
02 Feb 2017	1470	3437	1789	158	267	312	4732
03 Feb 2017	1470	3437	1789	158	267	312	4732
04 Feb 2017	988	3712	2035	208	310	453	4870
05 Feb 2017	980	3227	1649	302	255	397	4229
06 Feb 2017	980	3227	1649	302	255	397	4229
07 Feb 2017	980	3227	1649	302	255	397	4229
08 Feb 2017	483	2749	1253	137	255	164	2645
09 Feb 2017	483	2749	1253	137	119	164	2645
10 Feb 2017	483	2749	1253	137	119	164	2645
11 Feb 2017	483	2749	1253	137	119	164	2645
12 Feb 2017	332	2577	1031	89	81	101	1924
13 Feb 2017	332	2577	1031	89	81	101	1924
14 Feb 2017	226	3330	1257	146	44	114	1805
15 Feb 2017	226	3330	1257	146	44	114	1805
16 Feb 2017	116	3739	1110	142	32	106	2094
17 Feb 2017	116	3739	1110	142	32	106	2094
18 Feb 2017	116	3739	1110	142	32	106	2094
19 Feb 2017	116	3739	1110	142	32	106	2094
20 Feb 2017	116	3739	1110	142	32	106	2094
21 Feb 2017	116	3739	1110	142	32	106	2094
22 Feb 2017	116	3739	1110	142	32	106	2094
23 Feb 2017	116	3739	1110	142	32	106	2094
24 Feb 2017	65	2406	1362	195	40	37	1791
25 Feb 2017	65	2406	1362	195	40	37	1791
26 Feb 2017	65	2406	1362	195	40	37	1791
27 Feb 2017	65	2406	1362	195	40	37	1791
28 Feb 2017	62*	2754*	1891*	336*	47*	76*	1647*

* 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 Feb 2017	65	326	125	15	24	38	584
02 Feb 2017	65	326	125	15	24	38	584
03 Feb 2017	65	326	125	15	24	38	584
04 Feb 2017	51	419	130	21	25	51	565
05 Feb 2017	65	458	123	32	23	51	475
06 Feb 2017	65	458	123	32	23	51	475
07 Feb 2017	65	458	123	32	23	51	475
08 Feb 2017	37	404	99	20	23	30	385
09 Feb 2017	37	404	99	20	15	30	385
10 Feb 2017	37	404	99	20	15	30	385
11 Feb 2017	37	404	99	20	15	30	385
12 Feb 2017	27	476	87	13	11	20	324
13 Feb 2017	27	476	87	13	11	20	324
14 Feb 2017	21	361	82	12	8	20	255
15 Feb 2017	21	361	82	12	8	20	255
16 Feb 2017	12	425	78	12	7	23	314
17 Feb 2017	12	425	78	12	7	23	314
18 Feb 2017	12	425	78	12	7	23	314
19 Feb 2017	12	425	78	12	7	23	314
20 Feb 2017	12	425	78	12	7	23	314
21 Feb 2017	12	425	78	12	7	23	314
22 Feb 2017	12	425	78	12	7	23	314
23 Feb 2017	12	425	78	12	7	23	314
24 Feb 2017	7	203	76	15	8	8	219
25 Feb 2017	7	203	76	15	8	8	219
26 Feb 2017	7	203	76	15	8	8	219
27 Feb 2017	7	203	76	15	8	8	219
28 Feb 2017	7*	173*	83*	23*	10*	12*	202*

* 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 Feb 2017	170	239	123	29	40	45	809
02 Feb 2017	170	239	123	29	40	45	809
03 Feb 2017	170	239	123	29	40	45	809
04 Feb 2017	126	297	141	32	39	68	1016
05 Feb 2017	145	313	169	46	51	91	1168
06 Feb 2017	145	313	169	46	51	91	1168
07 Feb 2017	145	313	169	46	51	91	1168
08 Feb 2017	89	284	142	27	51	48	832
09 Feb 2017	89	284	142	27	31	48	832
10 Feb 2017	89	284	142	27	31	48	832
11 Feb 2017	89	284	142	27	31	48	832
12 Feb 2017	70	277	120	19	25	35	572
13 Feb 2017	70	277	120	19	25	35	572
14 Feb 2017	66	367	122	31	17	47	636
15 Feb 2017	66	367	122	31	17	47	636
16 Feb 2017	53	451	133	30	15	48	846
17 Feb 2017	53	451	133	30	15	48	846
18 Feb 2017	53	451	133	30	15	48	846
19 Feb 2017	53	451	133	30	15	48	846
20 Feb 2017	53	451	133	30	15	48	846
21 Feb 2017	53	451	133	30	15	48	846
22 Feb 2017	53	451	133	30	15	48	846
23 Feb 2017	53	451	133	30	15	48	846
24 Feb 2017	31	242	93	25	13	17	472
25 Feb 2017	31	242	93	25	13	17	472
26 Feb 2017	31	242	93	25	13	17	472
27 Feb 2017	31	242	93	25	13	17	472
28 Feb 2017	26*	260*	102*	40*	11*	29*	512*

* 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
04 Feb 2017	IC	E	IC	IC	IC	IC	E
08 Feb 2017	IC	IC	IC	IC	ns	IC	IC
09 Feb 2017	ns	ns	ns	ns	IC	ns	ns
14 Feb 2017	IC	E	IC	IC	IC	IC	IC
24 Feb 2017	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
04 Feb 2017	IC	E	IC	IC	IC	E	E
08 Feb 2017	IC	E	IC	IC	ns	IC	IC
09 Feb 2017	ns	ns	ns	ns	IC	ns	ns
14 Feb 2017	IC	IC	IC	IC	IC	IC	IC
24 Feb 2017	IC	IC	IC	IC	IC	IC	E

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
04 Feb 2017	IC	E	E	IC	IC	E	E
08 Feb 2017	IC	E	E	IC	ns	IC	E
09 Feb 2017	ns	ns	ns	ns	IC	ns	ns
14 Feb 2017	E	E	E	E	IC	E	E
24 Feb 2017	E	IC	IC	IC	E	IC	E

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
04 Feb 2017	IC	E	IC	E	IC	IC	IC
08 Feb 2017	IC	E	IC	IC	ns	IC	IC
09 Feb 2017	ns	ns	ns	ns	IC	ns	ns
14 Feb 2017	IC	IC	IC	IC	IC	IC	IC
24 Feb 2017	IC	IC	E	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	04 Feb 2017	1004	2	26e	4e	2e	0.154	14.8	47.79	8.4	33.31	8.1	ns	ns
I19	04 Feb 2017	1004	6	140e	22e	40	0.157	14.6	45.90	8.3	33.25	8.1	ns	ns
I19	04 Feb 2017	1004	11	240e	20e	42	0.083	14.4	46.29	7.6	33.26	8.1	ns	ns
I19	08 Feb 2017	906	2	<2	<2	<2	1.000	14.8	75.53	8.0	33.27	8.1	<0.2	4.0
I19	08 Feb 2017	906	6	20e	2e	20e	0.100	14.7	70.91	7.9	33.28	8.1	ns	2.7
I19	08 Feb 2017	906	11	20e	<2	<2	0.100	14.6	57.38	7.4	33.28	8.1	ns	5.1
I19	14 Feb 2017	1003	2	60e	2e	120	0.033	14.9	68.31	8.1	33.19	8.1	ns	ns
I19	14 Feb 2017	1003	6	20e	10e	20e	0.500	14.4	69.53	7.7	33.28	8.1	ns	ns
I19	14 Feb 2017	1003	11	20e	4e	14e	0.200	13.9	60.56	7.0	33.32	8.1	ns	ns
I19	24 Feb 2017	1042	2	<2	<2	<2	1.000	14.3	63.02	7.3	33.29	8.1	ns	ns
I19	24 Feb 2017	1042	6	100e	16e	6e	0.160	13.8	55.85	7.4	33.31	8.0	ns	ns
I19	24 Feb 2017	1042	11	620	36e	120	0.058	13.0	7.04	4.9	33.39	8.0	ns	ns
I24	04 Feb 2017	1024	2	>16000	4400	2600e	0.275	14.9	48.00	8.6	32.77	8.1	ns	ns
I24	04 Feb 2017	1024	6	300e	30e	48	0.100	14.6	54.05	8.1	33.26	8.1	ns	ns
I24	04 Feb 2017	1024	11	60e	<2	20e	0.033	14.4	53.38	7.7	33.27	8.1	ns	ns
I24	08 Feb 2017	844	2	3600e	620	500	0.172	14.8	56.56	8.0	33.08	8.1	<0.2	3.7
I24	08 Feb 2017	844	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	4.4*
I24	08 Feb 2017	844	6	80e	18e	16e	0.225	14.8	68.94	7.3	33.24	8.1	ns	4.8
I24	08 Feb 2017	844	11	18e	<2	2e	0.111	14.8	65.60	7.3	33.27	8.1	ns	6.9
I24	14 Feb 2017	1022	2	>16000	>120	3600e	0.007	15.0	59.08	8.1	32.80	8.1	ns	ns
I24	14 Feb 2017	1022	6	>16000	>120	800	0.007	14.7	76.50	7.4	33.28	8.1	ns	ns
I24	14 Feb 2017	1022	11	4000	30e	80	0.007	13.8	83.31	7.0	33.31	8.1	ns	ns
I24	24 Feb 2017	1107	2	1600e	66	6e	0.041	14.1	43.30	6.6	33.27	8.0	ns	ns
I24	24 Feb 2017	1107	6	340e	6e	4e	0.018	12.9	67.42	5.3	33.38	7.9	ns	ns
I24	24 Feb 2017	1107	11	200e	22e	50	0.110	12.6	14.99	5.4	33.40	7.9	ns	ns
I25	04 Feb 2017	1031	2	4800	240e	340e	0.050	15.0	57.30	7.6	32.94	8.1	ns	ns
I25	04 Feb 2017	1031	6	6400	220e	460	0.034	14.8	63.46	8.7	33.20	8.2	ns	ns
I25	04 Feb 2017	1031	9	420	14e	22e	0.033	14.4	46.15	7.6	33.27	8.1	ns	ns
I25	08 Feb 2017	837	2	840	80e	160e	0.095	14.9	NA	8.0	33.10	8.1	<0.2	4.2
I25	08 Feb 2017	837	6	96	20e	20e	0.208	14.8	NA	7.8	33.31	8.1	ns	4.1
I25	08 Feb 2017	837	9	18e	<2	<2	0.111	14.8	NA	7.8	33.31	8.1	ns	6.0
I25	14 Feb 2017	1033	2	9000	>120	300e	0.013	15.1	62.87	8.1	32.85	8.1	ns	ns
I25	14 Feb 2017	1033	6	940	62	40e	0.066	14.4	81.17	7.3	33.29	8.1	ns	ns
I25	14 Feb 2017	1033	9	220e	4e	54	0.018	13.9	82.63	7.0	33.30	8.1	ns	ns
I25	24 Feb 2017	1115	2	1200e	140e	6e	0.117	14.1	38.51	7.3	33.23	8.0	ns	ns

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I25	24 Feb 2017	1115	6	6800	220e	100	0.032	13.2	43.17	5.2	33.36	8.0	ns	ns
I25	24 Feb 2017	1115	9	1200	66	42	0.055	12.9	17.56	5.7	33.38	7.9	ns	ns
I26	04 Feb 2017	1040	2	18e	2e	<2	0.111	15.0	63.88	8.5	33.22	8.2	ns	ns
I26	04 Feb 2017	1040	6	1800e	280e	94	0.156	14.7	62.52	8.2	33.22	8.2	ns	ns
I26	04 Feb 2017	1040	9	660	40e	62	0.061	14.6	19.93	8.0	33.25	8.1	ns	ns
I26	08 Feb 2017	825	2	4e	<2	<2	0.500	14.9	NA	8.0	33.23	8.1	<0.2	3.2
I26	08 Feb 2017	825	6	<2	<2	<2	1.000	14.8	NA	7.8	33.31	8.1	ns	3.4
I26	08 Feb 2017	825	9	<2	<2	<2	1.000	14.8	NA	7.6	33.31	8.1	ns	5.3
I26	14 Feb 2017	1041	2	5200	14e	1000e	0.003	15.0	69.19	8.2	32.97	8.1	ns	ns
I26	14 Feb 2017	1041	6	80e	6e	20e	0.075	14.8	78.76	8.0	33.30	8.2	ns	ns
I26	14 Feb 2017	1041	9	4e	<2	4e	0.500	14.0	80.24	7.0	33.33	8.1	ns	ns
I26	24 Feb 2017	1127	2	4600	180e	52	0.039	13.9	29.42	7.3	33.23	8.0	ns	ns
I26	24 Feb 2017	1127	6	3400e	180e	94	0.053	13.4	18.52	7.2	33.30	8.0	ns	ns
I26	24 Feb 2017	1127	9	1800e	160e	60	0.089	13.0	17.56	6.3	33.36	7.9	ns	ns
I32	04 Feb 2017	1053	2	740	26e	26e	0.035	14.9	55.50	8.5	33.21	8.2	ns	ns
I32	04 Feb 2017	1053	6	800	42	54	0.052	14.6	50.17	8.2	33.23	8.1	ns	ns
I32	04 Feb 2017	1053	9	420	24e	22e	0.057	14.4	30.53	7.7	33.25	8.1	ns	ns
I32	09 Feb 2017	1159	2	<2	<2	<2	1.000	15.2	43.64	7.9	33.30	8.1	<0.2	8.8
I32	09 Feb 2017	1159	6	4e	<2	<2	0.500	15.1	39.52	7.9	33.30	8.1	ns	11.3
I32	09 Feb 2017	1159	9	2e	<2	4e	1.000	15.1	39.35	7.8	33.31	8.1	ns	12.6
I32	14 Feb 2017	1052	2	2e	<2	<2	1.000	14.9	74.22	8.1	33.32	8.1	ns	ns
I32	14 Feb 2017	1052	6	2e	<2	2e	1.000	14.7	71.16	8.2	33.32	8.1	ns	ns
I32	14 Feb 2017	1052	9	<2	<2	<2	1.000	14.6	73.11	7.4	33.32	8.1	ns	ns
I32	24 Feb 2017	1141	2	1200	74	6e	0.062	14.2	37.03	7.5	33.23	8.0	ns	ns
I32	24 Feb 2017	1141	6	2000e	98	80	0.049	13.2	20.69	6.9	33.37	8.0	ns	ns
I32	24 Feb 2017	1141	9	880	46	120	0.052	12.9	6.26	7.1	33.40	7.9	ns	ns
I39	04 Feb 2017	946	2	8800	680	1600e	0.077	14.8	70.01	8.7	33.08	8.2	ns	ns
I39	04 Feb 2017	946	12	22e	4e	10e	0.182	14.2	76.75	7.6	33.29	8.1	ns	ns
I39	04 Feb 2017	946	18	60e	4e	4e	0.067	14.1	58.64	7.2	33.28	8.1	ns	ns
I39	08 Feb 2017	813	2	<2	<2	<2	1.000	15.0	NA	8.1	33.32	8.1	<0.2	<0.2
I39	08 Feb 2017	813	12	<2	<2	<2	1.000	14.9	NA	8.0	33.32	8.1	ns	3.0
I39	08 Feb 2017	813	18	<2	<2	2e	1.000	14.6	NA	7.6	33.34	8.1	ns	3.1
I39	14 Feb 2017	944	2	600	50e	600	0.083	15.1	83.65	8.2	33.21	8.2	ns	ns
I39	14 Feb 2017	944	12	<2	<2	<2	1.000	14.1	83.46	7.1	33.29	8.1	ns	ns
I39	14 Feb 2017	944	18	4e	<2	2e	0.500	13.2	81.77	6.2	33.34	8.0	ns	ns
I39	24 Feb 2017	1018	2	<2	<2	<2	1.000	14.1	80.56	7.3	33.29	8.0	ns	ns
I39	24 Feb 2017	1018	12	40	<2	4e	0.050	12.1	78.76	5.1	33.42	7.9	ns	ns
I39	24 Feb 2017	1018	18	40e	4e	4e	0.100	12.1	57.63	5.1	33.43	7.9	ns	ns
I40	04 Feb 2017	1016	2	>16000	1400e	9400	0.087	14.6	47.15	7.5	33.07	8.1	ns	ns
I40	04 Feb 2017	1016	6	480	<20	60	0.042	14.5	48.18	7.9	33.27	8.1	ns	ns
I40	04 Feb 2017	1016	9	400	20e	62	0.050	14.4	44.40	7.4	33.27	8.1	ns	ns

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I40	08 Feb 2017	854	2	600	140e	140e	0.233	14.8	51.10	8.1	33.16	8.1	<0.2	6.4
I40	08 Feb 2017	854	6	120	220e	280e	1.833	14.7	61.02	7.7	33.25	8.1	ns	8.1
I40	08 Feb 2017	854	9	40e	46	38e	1.150	14.6	48.55	7.3	33.25	8.1	ns	6.5
I40	14 Feb 2017	1014	2	2000e	100e	2400e	0.050	14.9	57.29	8.2	33.07	8.1	ns	ns
I40	14 Feb 2017	1014	6	1600e	54	680	0.034	14.7	61.35	8.0	33.21	8.1	ns	ns
I40	14 Feb 2017	1014	9	340e	76	140e	0.224	14.5	63.63	7.5	33.26	8.1	ns	ns
I40	24 Feb 2017	1057	2	8600	760	240e	0.088	13.6	8.09	8.0	33.26	8.0	ns	ns
I40	24 Feb 2017	1057	6	2600e	200e	120	0.077	13.3	16.15	5.4	33.35	8.0	ns	ns
I40	24 Feb 2017	1057	9	600e	36e	36e	0.060	12.7	44.48	5.3	33.40	7.9	ns	ns

ns = not sampled
ND = no data

Comments

Station	Date	Depth	Parameter	Comments
I25	08 Feb 2017			XMS data was deleted due to anomalous readings
I26	08 Feb 2017			XMS data was deleted due to anomalous readings
I39	08 Feb 2017			XMS data was deleted due to anomalous readings

Table 3.9

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

Station	Date	Parameter	Value
I19	04 Feb 2017	Depth (m)	9
I19	04 Feb 2017	Arrive Time	1004
I19	04 Feb 2017	Depart Time	1008
I19	04 Feb 2017	Air Temp (C)	15
I19	04 Feb 2017	Weather	Partly Cloudy
I19	04 Feb 2017	Visibility (mi)	9
I19	04 Feb 2017	Wind Speed (kts)	5
I19	04 Feb 2017	Wind Dir	E
I19	04 Feb 2017	Water Color	Brownish-Green
I19	04 Feb 2017	Wave Ht Low (ft)	9
I19	04 Feb 2017	Wave Period (sec)	11
I19	04 Feb 2017	Sea State	Calm
I19	04 Feb 2017	High Tide (ft)	2.9
I19	04 Feb 2017	High Tide Time	1559
I19	04 Feb 2017	Low Tide (ft)	0.9
I19	04 Feb 2017	Low Tide Time	1002
I19	04 Feb 2017	Comments	Sewage like aroma at station; CDOM 25 ppb; Freshwater lens
I19	08 Feb 2017	Depth (m)	11
I19	08 Feb 2017	Arrive Time	906
I19	08 Feb 2017	Depart Time	909
I19	08 Feb 2017	Air Temp (C)	16
I19	08 Feb 2017	Weather	Haze
I19	08 Feb 2017	Visibility (mi)	7
I19	08 Feb 2017	Wind Speed (kts)	4
I19	08 Feb 2017	Wind Dir	N
I19	08 Feb 2017	Water Color	Brownish-Green
I19	08 Feb 2017	Wave Ht Low (ft)	3
I19	08 Feb 2017	Wave Period (sec)	16
I19	08 Feb 2017	Sea State	Calm
I19	08 Feb 2017	High Tide (ft)	6.1
I19	08 Feb 2017	High Tide Time	642
I19	08 Feb 2017	Low Tide (ft)	-1.3
I19	08 Feb 2017	Low Tide Time	1352
I19	08 Feb 2017	Comments	
I19	14 Feb 2017	Depth (m)	11
I19	14 Feb 2017	Arrive Time	1003
I19	14 Feb 2017	Depart Time	1007
I19	14 Feb 2017	Air Temp (C)	14
I19	14 Feb 2017	Weather	Partly Cloudy
I19	14 Feb 2017	Visibility (mi)	6
I19	14 Feb 2017	Wind Speed (kts)	6
I19	14 Feb 2017	Wind Dir	NE
I19	14 Feb 2017	Water Color	Greenish-Brown
I19	14 Feb 2017	Wave Ht Low (ft)	3
I19	14 Feb 2017	Wave Period (sec)	11
I19	14 Feb 2017	Sea State	Light chop
I19	14 Feb 2017	High Tide (ft)	4.5
I19	14 Feb 2017	High Tide Time	1049
I19	14 Feb 2017	Low Tide (ft)	1.1

Station	Date	Parameter	Value
I19	14 Feb 2017	Low Tide Time	500
I19	14 Feb 2017	Comments	
I19	24 Feb 2017	Depth (m)	11
I19	24 Feb 2017	Arrive Time	1042
I19	24 Feb 2017	Depart Time	1048
I19	24 Feb 2017	Air Temp (C)	13
I19	24 Feb 2017	Weather	Clear
I19	24 Feb 2017	Visibility (mi)	10
I19	24 Feb 2017	Wind Speed (kts)	5
I19	24 Feb 2017	Wind Dir	NE
I19	24 Feb 2017	Water Color	Green
I19	24 Feb 2017	Wave Ht Low (ft)	5
I19	24 Feb 2017	Wave Period (sec)	9
I19	24 Feb 2017	Sea State	Light chop
I19	24 Feb 2017	High Tide (ft)	5.5
I19	24 Feb 2017	High Tide Time	719
I19	24 Feb 2017	Low Tide (ft)	-0.8
I19	24 Feb 2017	Low Tide Time	1415
I19	24 Feb 2017	Comments	
I24	04 Feb 2017	Depth (m)	9
I24	04 Feb 2017	Arrive Time	1024
I24	04 Feb 2017	Depart Time	1026
I24	04 Feb 2017	Air Temp (C)	15
I24	04 Feb 2017	Weather	Partly Cloudy
I24	04 Feb 2017	Visibility (mi)	9
I24	04 Feb 2017	Wind Speed (kts)	6
I24	04 Feb 2017	Wind Dir	N
I24	04 Feb 2017	Water Color	Brownish-Green
I24	04 Feb 2017	Wave Ht Low (ft)	9
I24	04 Feb 2017	Wave Period (sec)	11
I24	04 Feb 2017	Sea State	Calm
I24	04 Feb 2017	High Tide (ft)	2.9
I24	04 Feb 2017	High Tide Time	1559
I24	04 Feb 2017	Low Tide (ft)	0.9
I24	04 Feb 2017	Low Tide Time	1002
I24	04 Feb 2017	Comments	Sewage like smell on station; Freshwater lens
I24	08 Feb 2017	Depth (m)	11
I24	08 Feb 2017	Arrive Time	844
I24	08 Feb 2017	Depart Time	854
I24	08 Feb 2017	Air Temp (C)	15
I24	08 Feb 2017	Weather	Haze
I24	08 Feb 2017	Visibility (mi)	7
I24	08 Feb 2017	Wind Speed (kts)	0
I24	08 Feb 2017	Wind Dir	
I24	08 Feb 2017	Water Color	Brownish-Green
I24	08 Feb 2017	Wave Ht Low (ft)	3
I24	08 Feb 2017	Wave Period (sec)	16
I24	08 Feb 2017	Sea State	Calm
I24	08 Feb 2017	High Tide (ft)	6.1
I24	08 Feb 2017	High Tide Time	642
I24	08 Feb 2017	Low Tide (ft)	-1.3
I24	08 Feb 2017	Low Tide Time	1352

Station	Date	Parameter	Value
I24	08 Feb 2017	Comments	
I24	14 Feb 2017	Depth (m)	12
I24	14 Feb 2017	Arrive Time	1022
I24	14 Feb 2017	Depart Time	1030
I24	14 Feb 2017	Air Temp (C)	15
I24	14 Feb 2017	Weather	Partly Cloudy
I24	14 Feb 2017	Visibility (mi)	6
I24	14 Feb 2017	Wind Speed (kts)	3
I24	14 Feb 2017	Wind Dir	N
I24	14 Feb 2017	Water Color	Brownish-Green
I24	14 Feb 2017	Wave Ht Low (ft)	3
I24	14 Feb 2017	Wave Period (sec)	11
I24	14 Feb 2017	Sea State	Light chop
I24	14 Feb 2017	High Tide (ft)	4.5
I24	14 Feb 2017	High Tide Time	1049
I24	14 Feb 2017	Low Tide (ft)	1.1
I24	14 Feb 2017	Low Tide Time	500
I24	14 Feb 2017	Comments	
I24	24 Feb 2017	Depth (m)	10
I24	24 Feb 2017	Arrive Time	1107
I24	24 Feb 2017	Depart Time	1112
I24	24 Feb 2017	Air Temp (C)	13
I24	24 Feb 2017	Weather	Clear
I24	24 Feb 2017	Visibility (mi)	10
I24	24 Feb 2017	Wind Speed (kts)	5
I24	24 Feb 2017	Wind Dir	W
I24	24 Feb 2017	Water Color	Green
I24	24 Feb 2017	Wave Ht Low (ft)	5
I24	24 Feb 2017	Wave Period (sec)	9
I24	24 Feb 2017	Sea State	Light chop
I24	24 Feb 2017	High Tide (ft)	5.5
I24	24 Feb 2017	High Tide Time	719
I24	24 Feb 2017	Low Tide (ft)	-0.8
I24	24 Feb 2017	Low Tide Time	1415
I24	24 Feb 2017	Comments	Water is milky green
I25	04 Feb 2017	Depth (m)	11
I25	04 Feb 2017	Arrive Time	1031
I25	04 Feb 2017	Depart Time	1033
I25	04 Feb 2017	Air Temp (C)	15
I25	04 Feb 2017	Weather	Partly Cloudy
I25	04 Feb 2017	Visibility (mi)	9
I25	04 Feb 2017	Wind Speed (kts)	6
I25	04 Feb 2017	Wind Dir	SE
I25	04 Feb 2017	Water Color	Green
I25	04 Feb 2017	Wave Ht Low (ft)	9
I25	04 Feb 2017	Wave Period (sec)	11
I25	04 Feb 2017	Sea State	Calm
I25	04 Feb 2017	High Tide (ft)	2.9
I25	04 Feb 2017	High Tide Time	1559
I25	04 Feb 2017	Low Tide (ft)	0.9
I25	04 Feb 2017	Low Tide Time	1002
I25	04 Feb 2017	Comments	Freshwater lens

Station	Date	Parameter	Value
I25	08 Feb 2017	Depth (m)	9
I25	08 Feb 2017	Arrive Time	837
I25	08 Feb 2017	Depart Time	840
I25	08 Feb 2017	Air Temp (C)	15
I25	08 Feb 2017	Weather	Haze
I25	08 Feb 2017	Visibility (mi)	7
I25	08 Feb 2017	Wind Speed (kts)	0
I25	08 Feb 2017	Wind Dir	
I25	08 Feb 2017	Water Color	Brownish-Green
I25	08 Feb 2017	Wave Ht Low (ft)	3
I25	08 Feb 2017	Wave Period (sec)	16
I25	08 Feb 2017	Sea State	Calm
I25	08 Feb 2017	High Tide (ft)	6.1
I25	08 Feb 2017	High Tide Time	642
I25	08 Feb 2017	Low Tide (ft)	-1.3
I25	08 Feb 2017	Low Tide Time	1352
I25	08 Feb 2017	Comments	
I25	14 Feb 2017	Depth (m)	10
I25	14 Feb 2017	Arrive Time	1033
I25	14 Feb 2017	Depart Time	1036
I25	14 Feb 2017	Air Temp (C)	15
I25	14 Feb 2017	Weather	Partly Cloudy
I25	14 Feb 2017	Visibility (mi)	6
I25	14 Feb 2017	Wind Speed (kts)	2
I25	14 Feb 2017	Wind Dir	E
I25	14 Feb 2017	Water Color	Brownish-Green
I25	14 Feb 2017	Wave Ht Low (ft)	3
I25	14 Feb 2017	Wave Period (sec)	11
I25	14 Feb 2017	Sea State	Light chop
I25	14 Feb 2017	High Tide (ft)	4.5
I25	14 Feb 2017	High Tide Time	1049
I25	14 Feb 2017	Low Tide (ft)	1.1
I25	14 Feb 2017	Low Tide Time	500
I25	14 Feb 2017	Comments	
I25	24 Feb 2017	Depth (m)	8
I25	24 Feb 2017	Arrive Time	1115
I25	24 Feb 2017	Depart Time	1120
I25	24 Feb 2017	Air Temp (C)	13
I25	24 Feb 2017	Weather	Clear
I25	24 Feb 2017	Visibility (mi)	10
I25	24 Feb 2017	Wind Speed (kts)	7
I25	24 Feb 2017	Wind Dir	N
I25	24 Feb 2017	Water Color	Green
I25	24 Feb 2017	Wave Ht Low (ft)	5
I25	24 Feb 2017	Wave Period (sec)	9
I25	24 Feb 2017	Sea State	Light chop
I25	24 Feb 2017	High Tide (ft)	5.5
I25	24 Feb 2017	High Tide Time	719
I25	24 Feb 2017	Low Tide (ft)	-0.8
I25	24 Feb 2017	Low Tide Time	1415
I25	24 Feb 2017	Comments	

Station	Date	Parameter	Value
I26	04 Feb 2017	Depth (m)	10
I26	04 Feb 2017	Arrive Time	1040
I26	04 Feb 2017	Depart Time	1046
I26	04 Feb 2017	Air Temp (C)	15
I26	04 Feb 2017	Weather	Partly Cloudy
I26	04 Feb 2017	Visibility (mi)	9
I26	04 Feb 2017	Wind Speed (kts)	1
I26	04 Feb 2017	Wind Dir	S
I26	04 Feb 2017	Water Color	Green
I26	04 Feb 2017	Wave Ht Low (ft)	9
I26	04 Feb 2017	Wave Period (sec)	11
I26	04 Feb 2017	Sea State	Calm
I26	04 Feb 2017	High Tide (ft)	2.9
I26	04 Feb 2017	High Tide Time	1559
I26	04 Feb 2017	Low Tide (ft)	0.9
I26	04 Feb 2017	Low Tide Time	1002
I26	04 Feb 2017	Comments	
I26	08 Feb 2017	Depth (m)	9
I26	08 Feb 2017	Arrive Time	825
I26	08 Feb 2017	Depart Time	828
I26	08 Feb 2017	Air Temp (C)	15
I26	08 Feb 2017	Weather	Haze
I26	08 Feb 2017	Visibility (mi)	7
I26	08 Feb 2017	Wind Speed (kts)	2
I26	08 Feb 2017	Wind Dir	S
I26	08 Feb 2017	Water Color	Green
I26	08 Feb 2017	Wave Ht Low (ft)	3
I26	08 Feb 2017	Wave Period (sec)	16
I26	08 Feb 2017	Sea State	Calm
I26	08 Feb 2017	High Tide (ft)	6.1
I26	08 Feb 2017	High Tide Time	642
I26	08 Feb 2017	Low Tide (ft)	-1.3
I26	08 Feb 2017	Low Tide Time	1352
I26	08 Feb 2017	Comments	
I26	14 Feb 2017	Depth (m)	10
I26	14 Feb 2017	Arrive Time	1041
I26	14 Feb 2017	Depart Time	1044
I26	14 Feb 2017	Air Temp (C)	15
I26	14 Feb 2017	Weather	Partly Cloudy
I26	14 Feb 2017	Visibility (mi)	6
I26	14 Feb 2017	Wind Speed (kts)	0
I26	14 Feb 2017	Wind Dir	
I26	14 Feb 2017	Water Color	Green
I26	14 Feb 2017	Wave Ht Low (ft)	3
I26	14 Feb 2017	Wave Period (sec)	11
I26	14 Feb 2017	Sea State	Light chop
I26	14 Feb 2017	High Tide (ft)	4.5
I26	14 Feb 2017	High Tide Time	1049
I26	14 Feb 2017	Low Tide (ft)	1.1
I26	14 Feb 2017	Low Tide Time	500
I26	14 Feb 2017	Comments	
I26	24 Feb 2017	Depth (m)	9

Station	Date	Parameter	Value
I26	24 Feb 2017	Arrive Time	1127
I26	24 Feb 2017	Depart Time	1134
I26	24 Feb 2017	Air Temp (C)	13
I26	24 Feb 2017	Weather	Clear
I26	24 Feb 2017	Visibility (mi)	10
I26	24 Feb 2017	Wind Speed (kts)	6
I26	24 Feb 2017	Wind Dir	NE
I26	24 Feb 2017	Water Color	Green
I26	24 Feb 2017	Wave Ht Low (ft)	5
I26	24 Feb 2017	Wave Period (sec)	9
I26	24 Feb 2017	Sea State	Light chop
I26	24 Feb 2017	High Tide (ft)	5.5
I26	24 Feb 2017	High Tide Time	719
I26	24 Feb 2017	Low Tide (ft)	-0.8
I26	24 Feb 2017	Low Tide Time	1415
I26	24 Feb 2017	Comments	
I32	04 Feb 2017	Depth (m)	9
I32	04 Feb 2017	Arrive Time	1053
I32	04 Feb 2017	Depart Time	1058
I32	04 Feb 2017	Air Temp (C)	15
I32	04 Feb 2017	Weather	Partly Cloudy
I32	04 Feb 2017	Visibility (mi)	9
I32	04 Feb 2017	Wind Speed (kts)	7
I32	04 Feb 2017	Wind Dir	E
I32	04 Feb 2017	Water Color	Green
I32	04 Feb 2017	Wave Ht Low (ft)	9
I32	04 Feb 2017	Wave Period (sec)	11
I32	04 Feb 2017	Sea State	Calm
I32	04 Feb 2017	High Tide (ft)	2.9
I32	04 Feb 2017	High Tide Time	1559
I32	04 Feb 2017	Low Tide (ft)	0.9
I32	04 Feb 2017	Low Tide Time	1002
I32	04 Feb 2017	Comments	Freshwater lens
I32	09 Feb 2017	Depth (m)	10
I32	09 Feb 2017	Arrive Time	1159
I32	09 Feb 2017	Depart Time	1202
I32	09 Feb 2017	Air Temp (C)	14
I32	09 Feb 2017	Weather	Fog
I32	09 Feb 2017	Visibility (mi)	$<$ 1
I32	09 Feb 2017	Wind Speed (kts)	12
I32	09 Feb 2017	Wind Dir	E
I32	09 Feb 2017	Water Color	Greenish-Brown
I32	09 Feb 2017	Wave Ht Low (ft)	3
I32	09 Feb 2017	Wave Period (sec)	9
I32	09 Feb 2017	Sea State	Calm
I32	09 Feb 2017	High Tide (ft)	6.3
I32	09 Feb 2017	High Tide Time	728
I32	09 Feb 2017	Low Tide (ft)	-1.4
I32	09 Feb 2017	Low Tide Time	1431
I32	09 Feb 2017	Comments	
I32	14 Feb 2017	Depth (m)	11
I32	14 Feb 2017	Arrive Time	1052

Station	Date	Parameter	Value
I32	14 Feb 2017	Depart Time	1055
I32	14 Feb 2017	Air Temp (C)	15
I32	14 Feb 2017	Weather	Partly Cloudy
I32	14 Feb 2017	Visibility (mi)	6
I32	14 Feb 2017	Wind Speed (kts)	5
I32	14 Feb 2017	Wind Dir	W
I32	14 Feb 2017	Water Color	Green
I32	14 Feb 2017	Wave Ht Low (ft)	3
I32	14 Feb 2017	Wave Period (sec)	11
I32	14 Feb 2017	Sea State	Calm
I32	14 Feb 2017	High Tide (ft)	4.5
I32	14 Feb 2017	High Tide Time	1049
I32	14 Feb 2017	Low Tide (ft)	1.1
I32	14 Feb 2017	Low Tide Time	500
I32	14 Feb 2017	Comments	
I32	24 Feb 2017	Depth (m)	11
I32	24 Feb 2017	Arrive Time	1141
I32	24 Feb 2017	Depart Time	1147
I32	24 Feb 2017	Air Temp (C)	13
I32	24 Feb 2017	Weather	Clear
I32	24 Feb 2017	Visibility (mi)	10
I32	24 Feb 2017	Wind Speed (kts)	9
I32	24 Feb 2017	Wind Dir	W
I32	24 Feb 2017	Water Color	Green
I32	24 Feb 2017	Wave Ht Low (ft)	5
I32	24 Feb 2017	Wave Period (sec)	9
I32	24 Feb 2017	Sea State	Light chop
I32	24 Feb 2017	High Tide (ft)	5.5
I32	24 Feb 2017	High Tide Time	719
I32	24 Feb 2017	Low Tide (ft)	-0.8
I32	24 Feb 2017	Low Tide Time	1415
I32	24 Feb 2017	Comments	
I39	04 Feb 2017	Depth (m)	18
I39	04 Feb 2017	Arrive Time	946
I39	04 Feb 2017	Depart Time	950
I39	04 Feb 2017	Air Temp (C)	15
I39	04 Feb 2017	Weather	Partly Cloudy
I39	04 Feb 2017	Visibility (mi)	9
I39	04 Feb 2017	Wind Speed (kts)	1
I39	04 Feb 2017	Wind Dir	NE
I39	04 Feb 2017	Water Color	Green
I39	04 Feb 2017	Wave Ht Low (ft)	7
I39	04 Feb 2017	Wave Period (sec)	13
I39	04 Feb 2017	Sea State	Calm
I39	04 Feb 2017	High Tide (ft)	2.9
I39	04 Feb 2017	High Tide Time	1559
I39	04 Feb 2017	Low Tide (ft)	0.9
I39	04 Feb 2017	Low Tide Time	1002
I39	04 Feb 2017	Comments	Boats
I39	08 Feb 2017	Depth (m)	18
I39	08 Feb 2017	Arrive Time	813
I39	08 Feb 2017	Depart Time	816

Station	Date	Parameter	Value
I39	08 Feb 2017	Air Temp (C)	14
I39	08 Feb 2017	Weather	Haze
I39	08 Feb 2017	Visibility (mi)	7
I39	08 Feb 2017	Wind Speed (kts)	2
I39	08 Feb 2017	Wind Dir	SE
I39	08 Feb 2017	Water Color	Green
I39	08 Feb 2017	Wave Ht Low (ft)	3
I39	08 Feb 2017	Wave Period (sec)	16
I39	08 Feb 2017	Sea State	Calm
I39	08 Feb 2017	High Tide (ft)	6.1
I39	08 Feb 2017	High Tide Time	642
I39	08 Feb 2017	Low Tide (ft)	-1.3
I39	08 Feb 2017	Low Tide Time	1352
I39	08 Feb 2017	Comments	
I39	14 Feb 2017	Depth (m)	19
I39	14 Feb 2017	Arrive Time	944
I39	14 Feb 2017	Depart Time	947
I39	14 Feb 2017	Air Temp (C)	15
I39	14 Feb 2017	Weather	Partly Cloudy
I39	14 Feb 2017	Visibility (mi)	5
I39	14 Feb 2017	Wind Speed (kts)	4
I39	14 Feb 2017	Wind Dir	N
I39	14 Feb 2017	Water Color	Greenish-Brown
I39	14 Feb 2017	Wave Ht Low (ft)	3
I39	14 Feb 2017	Wave Period (sec)	11
I39	14 Feb 2017	Sea State	Confused swell
I39	14 Feb 2017	High Tide (ft)	4.5
I39	14 Feb 2017	High Tide Time	1049
I39	14 Feb 2017	Low Tide (ft)	1.1
I39	14 Feb 2017	Low Tide Time	500
I39	14 Feb 2017	Comments	
I39	24 Feb 2017	Depth (m)	18
I39	24 Feb 2017	Arrive Time	1018
I39	24 Feb 2017	Depart Time	1024
I39	24 Feb 2017	Air Temp (C)	13
I39	24 Feb 2017	Weather	Clear
I39	24 Feb 2017	Visibility (mi)	10
I39	24 Feb 2017	Wind Speed (kts)	0
I39	24 Feb 2017	Wind Dir	
I39	24 Feb 2017	Water Color	Green
I39	24 Feb 2017	Wave Ht Low (ft)	5
I39	24 Feb 2017	Wave Period (sec)	9
I39	24 Feb 2017	Sea State	Light chop
I39	24 Feb 2017	High Tide (ft)	5.5
I39	24 Feb 2017	High Tide Time	719
I39	24 Feb 2017	Low Tide (ft)	-0.8
I39	24 Feb 2017	Low Tide Time	1415
I39	24 Feb 2017	Comments	
I40	04 Feb 2017	Depth (m)	11
I40	04 Feb 2017	Arrive Time	1016
I40	04 Feb 2017	Depart Time	1018
I40	04 Feb 2017	Air Temp (C)	15

Station	Date	Parameter	Value
I40	04 Feb 2017	Weather	Partly Cloudy
I40	04 Feb 2017	Visibility (mi)	9
I40	04 Feb 2017	Wind Speed (kts)	5
I40	04 Feb 2017	Wind Dir	N
I40	04 Feb 2017	Water Color	Brownish-Green
I40	04 Feb 2017	Wave Ht Low (ft)	9
I40	04 Feb 2017	Wave Period (sec)	11
I40	04 Feb 2017	Sea State	Calm
I40	04 Feb 2017	High Tide (ft)	2.9
I40	04 Feb 2017	High Tide Time	1559
I40	04 Feb 2017	Low Tide (ft)	0.9
I40	04 Feb 2017	Low Tide Time	1002
I40	04 Feb 2017	Comments	Sewage like smell on station; Floatables in water; Freshwater lens
I40	08 Feb 2017	Depth (m)	10
I40	08 Feb 2017	Arrive Time	854
I40	08 Feb 2017	Depart Time	857
I40	08 Feb 2017	Air Temp (C)	16
I40	08 Feb 2017	Weather	Haze
I40	08 Feb 2017	Visibility (mi)	7
I40	08 Feb 2017	Wind Speed (kts)	2
I40	08 Feb 2017	Wind Dir	W
I40	08 Feb 2017	Water Color	Brownish-Green
I40	08 Feb 2017	Wave Ht Low (ft)	3
I40	08 Feb 2017	Wave Period (sec)	16
I40	08 Feb 2017	Sea State	Calm
I40	08 Feb 2017	High Tide (ft)	6.1
I40	08 Feb 2017	High Tide Time	642
I40	08 Feb 2017	Low Tide (ft)	-1.3
I40	08 Feb 2017	Low Tide Time	1352
I40	08 Feb 2017	Comments	
I40	14 Feb 2017	Depth (m)	11
I40	14 Feb 2017	Arrive Time	1014
I40	14 Feb 2017	Depart Time	1017
I40	14 Feb 2017	Air Temp (C)	15
I40	14 Feb 2017	Weather	Partly Cloudy
I40	14 Feb 2017	Visibility (mi)	6
I40	14 Feb 2017	Wind Speed (kts)	5
I40	14 Feb 2017	Wind Dir	NW
I40	14 Feb 2017	Water Color	Brownish-Green
I40	14 Feb 2017	Wave Ht Low (ft)	3
I40	14 Feb 2017	Wave Period (sec)	11
I40	14 Feb 2017	Sea State	Light chop
I40	14 Feb 2017	High Tide (ft)	4.5
I40	14 Feb 2017	High Tide Time	1049
I40	14 Feb 2017	Low Tide (ft)	1.1
I40	14 Feb 2017	Low Tide Time	500
I40	14 Feb 2017	Comments	
I40	24 Feb 2017	Depth (m)	10
I40	24 Feb 2017	Arrive Time	1057
I40	24 Feb 2017	Depart Time	1101
I40	24 Feb 2017	Air Temp (C)	13
I40	24 Feb 2017	Weather	Clear

Station	Date	Parameter	Value
I40	24 Feb 2017	Visibility (mi)	10
I40	24 Feb 2017	Wind Speed (kts)	5
I40	24 Feb 2017	Wind Dir	N
I40	24 Feb 2017	Water Color	Brownish-Green
I40	24 Feb 2017	Wave Ht Low (ft)	5
I40	24 Feb 2017	Wave Period (sec)	9
I40	24 Feb 2017	Sea State	Light chop
I40	24 Feb 2017	High Tide (ft)	5.5
I40	24 Feb 2017	High Tide Time	719
I40	24 Feb 2017	Low Tide (ft)	-0.8
I40	24 Feb 2017	Low Tide Time	1415
I40	24 Feb 2017	Comments	Water is milky brownish green

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	04 Feb 2017	1	14.87	48.03	7.5	33.23	8.1	24.6	1.62
I19	04 Feb 2017	2	14.77	47.79	8.4	33.31	8.1	24.7	1.61
I19	04 Feb 2017	3	14.62	46.95	8.5	33.34	8.1	24.8	1.77
I19	04 Feb 2017	4	14.60	45.64	8.6	33.29	8.1	24.7	2.67
I19	04 Feb 2017	5	14.58	45.79	8.5	33.27	8.1	24.7	3.73
I19	04 Feb 2017	6	14.58	45.90	8.3	33.25	8.1	24.7	4.57
I19	04 Feb 2017	7	14.55	45.14	8.3	33.25	8.1	24.7	4.89
I19	04 Feb 2017	8	14.53	49.04	8.2	33.25	8.1	24.7	4.96
I19	04 Feb 2017	9	14.53	47.80	7.9	33.24	8.1	24.7	5.14
I19	04 Feb 2017	10	14.43	46.29	7.6	33.26	8.1	24.8	5.11
I19	08 Feb 2017	1	14.82	73.10	8.0	33.27	8.1	24.7	1.45
I19	08 Feb 2017	2	14.80	75.53	8.0	33.27	8.1	24.7	1.49
I19	08 Feb 2017	3	14.77	75.42	8.0	33.28	8.1	24.7	1.55
I19	08 Feb 2017	4	14.71	74.20	8.0	33.28	8.1	24.7	1.67
I19	08 Feb 2017	5	14.71	71.69	7.9	33.27	8.1	24.7	1.87
I19	08 Feb 2017	6	14.71	70.91	7.9	33.28	8.1	24.7	1.92
I19	08 Feb 2017	7	14.69	72.94	7.8	33.29	8.1	24.7	1.98
I19	08 Feb 2017	8	14.67	73.64	7.6	33.28	8.1	24.7	1.97
I19	08 Feb 2017	9	14.66	67.51	7.5	33.29	8.1	24.7	1.99
I19	08 Feb 2017	10	14.65	57.38	7.4	33.28	8.1	24.7	2.08
I19	14 Feb 2017	1	14.92	71.44	8.1	33.19	8.1	24.6	1.94
I19	14 Feb 2017	2	14.94	68.31	8.1	33.19	8.1	24.6	2.86
I19	14 Feb 2017	3	14.84	72.07	8.0	33.19	8.1	24.6	3.08
I19	14 Feb 2017	4	14.70	69.13	7.8	33.21	8.1	24.7	3.17
I19	14 Feb 2017	5	14.56	70.53	7.7	33.26	8.1	24.7	3.16
I19	14 Feb 2017	6	14.44	69.53	7.7	33.28	8.1	24.8	3.20
I19	14 Feb 2017	7	14.28	65.84	7.9	33.29	8.1	24.8	3.16
I19	14 Feb 2017	8	14.29	65.93	7.6	33.28	8.1	24.8	3.02
I19	14 Feb 2017	9	14.16	65.92	7.1	33.29	8.1	24.8	3.15
I19	14 Feb 2017	10	13.89	60.56	7.0	33.32	8.1	24.9	3.18
I19	24 Feb 2017	1	14.29	62.80	7.6	33.29	8.1	24.8	0.64
I19	24 Feb 2017	2	14.27	63.02	7.3	33.29	8.1	24.8	1.07
I19	24 Feb 2017	3	14.02	59.36	7.1	33.30	8.0	24.9	1.57
I19	24 Feb 2017	4	13.94	57.88	7.0	33.30	8.0	24.9	1.73
I19	24 Feb 2017	5	13.82	58.97	7.1	33.31	8.0	24.9	1.58
I19	24 Feb 2017	6	13.76	55.85	7.4	33.31	8.0	24.9	1.53
I19	24 Feb 2017	7	13.64	48.65	7.7	33.32	8.0	25.0	1.53
I19	24 Feb 2017	8	13.51	33.40	7.4	33.33	8.0	25.0	1.53
I19	24 Feb 2017	9	13.37	14.11	6.0	33.34	8.0	25.0	1.76
I19	24 Feb 2017	10	12.97	7.04	4.9	33.39	8.0	25.1	2.02
I24	04 Feb 2017	1	15.10	47.39	8.1	32.50	8.1	24.0	1.60
I24	04 Feb 2017	2	14.93	48.00	8.6	32.77	8.1	24.3	1.94
I24	04 Feb 2017	3	14.83	54.33	8.7	33.14	8.2	24.6	3.06
I24	04 Feb 2017	4	14.77	62.53	8.3	33.23	8.2	24.7	4.09
I24	04 Feb 2017	5	14.67	56.62	8.1	33.26	8.1	24.7	4.58
I24	04 Feb 2017	6	14.58	54.05	8.1	33.26	8.1	24.7	3.13
I24	04 Feb 2017	7	14.54	55.51	8.1	33.26	8.1	24.7	4.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I24	04 Feb 2017	8	14.52	58.17	7.8	33.26	8.1	24.7	4.70
I24	04 Feb 2017	9	14.42	58.71	7.6	33.27	8.1	24.8	4.35
I24	04 Feb 2017	10	14.38	53.38	7.7	33.27	8.1	24.8	4.26
I24	08 Feb 2017	1	14.83	56.63	8.0	33.07	8.1	24.5	1.84
I24	08 Feb 2017	2	14.81	56.56	8.0	33.08	8.1	24.5	1.92
I24	08 Feb 2017	3	14.80	55.96	7.8	33.16	8.1	24.6	2.15
I24	08 Feb 2017	4	14.77	58.45	7.5	33.24	8.1	24.7	2.35
I24	08 Feb 2017	5	14.76	66.49	7.4	33.24	8.1	24.7	2.05
I24	08 Feb 2017	6	14.77	68.94	7.3	33.24	8.1	24.7	1.83
I24	08 Feb 2017	7	14.80	69.71	7.4	33.26	8.1	24.7	1.64
I24	08 Feb 2017	8	14.81	70.29	7.4	33.27	8.1	24.7	1.63
I24	08 Feb 2017	9	14.81	69.56	7.3	33.27	8.1	24.7	1.64
I24	08 Feb 2017	10	14.81	67.52	7.3	33.27	8.1	24.7	1.65
I24	08 Feb 2017	11	14.80	65.60	7.3	33.27	8.1	24.7	1.76
I24	14 Feb 2017	1	15.01	60.05	7.9	32.78	8.1	24.3	1.62
I24	14 Feb 2017	2	14.99	59.08	8.1	32.80	8.1	24.3	1.89
I24	14 Feb 2017	3	15.10	62.44	7.9	33.09	8.1	24.5	2.00
I24	14 Feb 2017	4	15.07	74.27	7.5	33.07	8.1	24.5	2.02
I24	14 Feb 2017	5	14.87	81.09	7.4	33.25	8.1	24.7	1.99
I24	14 Feb 2017	6	14.66	76.50	7.4	33.28	8.1	24.7	2.11
I24	14 Feb 2017	7	14.57	75.80	7.2	33.29	8.1	24.7	1.93
I24	14 Feb 2017	8	14.36	80.05	6.9	33.31	8.1	24.8	1.74
I24	14 Feb 2017	9	13.99	82.08	6.7	33.32	8.1	24.9	1.59
I24	14 Feb 2017	10	13.86	83.58	6.8	33.31	8.1	24.9	1.57
I24	14 Feb 2017	11	13.83	83.31	7.0	33.31	8.1	24.9	1.59
I24	24 Feb 2017	1	14.12	43.42	7.5	33.27	8.0	24.8	0.82
I24	24 Feb 2017	2	14.07	43.30	6.6	33.27	8.0	24.8	1.14
I24	24 Feb 2017	3	13.67	41.38	5.3	33.34	8.0	25.0	1.21
I24	24 Feb 2017	4	13.12	46.17	5.2	33.39	8.0	25.1	1.10
I24	24 Feb 2017	5	12.93	63.63	5.3	33.39	7.9	25.2	1.08
I24	24 Feb 2017	6	12.91	67.42	5.3	33.38	7.9	25.2	1.13
I24	24 Feb 2017	7	12.63	64.54	5.4	33.41	7.9	25.2	1.24
I24	24 Feb 2017	8	12.58	41.10	5.3	33.40	7.9	25.2	1.38
I24	24 Feb 2017	9	12.58	21.26	5.3	33.40	7.9	25.2	1.44
I24	24 Feb 2017	10	12.58	14.99	5.4	33.40	7.9	25.2	1.41
I25	04 Feb 2017	1	15.17	53.53	7.8	32.80	8.1	24.2	1.15
I25	04 Feb 2017	2	14.99	57.30	7.6	32.94	8.1	24.4	0.43
I25	04 Feb 2017	3	14.84	61.58	7.6	33.08	8.2	24.5	0.54
I25	04 Feb 2017	4	14.75	60.30	7.7	33.19	8.2	24.6	0.49
I25	04 Feb 2017	5	14.72	61.07	8.5	33.21	8.2	24.6	0.36
I25	04 Feb 2017	6	14.76	63.46	8.7	33.20	8.2	24.6	0.36
I25	04 Feb 2017	7	14.71	66.74	8.1	33.27	8.2	24.7	0.38
I25	04 Feb 2017	8	14.42	58.88	7.6	33.35	8.1	24.8	0.37
I25	04 Feb 2017	9	14.41	46.15	7.6	33.27	8.1	24.8	0.38
I25	08 Feb 2017	1	14.92	NA	8.0	33.07	8.1	24.5	2.90
I25	08 Feb 2017	2	14.91	NA	8.0	33.10	8.1	24.5	2.92
I25	08 Feb 2017	3	14.82	NA	8.0	33.20	8.1	24.6	2.74
I25	08 Feb 2017	4	14.85	NA	7.9	33.28	8.1	24.7	2.42
I25	08 Feb 2017	5	14.85	NA	7.8	33.31	8.1	24.7	2.10
I25	08 Feb 2017	6	14.85	NA	7.8	33.31	8.1	24.7	1.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I25	08 Feb 2017	7	14.85	NA	7.8	33.31	8.1	24.7	1.79
I25	08 Feb 2017	8	14.85	NA	7.8	33.31	8.1	24.7	1.72
I25	08 Feb 2017	9	14.85	NA	7.8	33.31	8.1	24.7	1.67
I25	14 Feb 2017	1	15.09	61.94	7.9	32.76	8.1	24.2	1.17
I25	14 Feb 2017	2	15.06	62.87	8.1	32.85	8.1	24.3	1.77
I25	14 Feb 2017	3	15.04	66.62	8.0	33.11	8.1	24.5	2.58
I25	14 Feb 2017	4	14.70	76.05	7.8	33.29	8.1	24.7	3.02
I25	14 Feb 2017	5	14.43	78.06	7.6	33.30	8.1	24.8	3.32
I25	14 Feb 2017	6	14.36	81.17	7.3	33.29	8.1	24.8	2.74
I25	14 Feb 2017	7	14.32	81.47	7.0	33.29	8.1	24.8	2.81
I25	14 Feb 2017	8	13.98	81.27	6.9	33.31	8.1	24.9	2.60
I25	14 Feb 2017	9	13.90	82.63	7.0	33.30	8.1	24.9	2.56
I25	24 Feb 2017	1	14.24	38.71	7.5	33.22	8.0	24.8	1.11
I25	24 Feb 2017	2	14.14	38.51	7.3	33.23	8.0	24.8	1.46
I25	24 Feb 2017	3	13.90	35.85	6.9	33.25	8.0	24.9	1.81
I25	24 Feb 2017	4	13.70	37.35	6.2	33.29	8.0	24.9	1.55
I25	24 Feb 2017	5	13.35	31.66	5.5	33.33	8.0	25.0	1.60
I25	24 Feb 2017	6	13.19	43.17	5.2	33.36	8.0	25.1	1.60
I25	24 Feb 2017	7	12.90	26.85	5.3	33.40	7.9	25.2	1.60
I25	24 Feb 2017	8	12.90	17.56	5.7	33.38	7.9	25.2	1.60
I26	04 Feb 2017	1	15.22	64.04	8.7	33.21	8.2	24.5	1.60
I26	04 Feb 2017	2	15.04	63.88	8.5	33.22	8.2	24.6	2.81
I26	04 Feb 2017	3	14.93	61.61	8.2	33.22	8.2	24.6	3.26
I26	04 Feb 2017	4	14.80	60.97	8.4	33.22	8.2	24.6	3.25
I26	04 Feb 2017	5	14.74	60.91	8.5	33.22	8.2	24.7	3.27
I26	04 Feb 2017	6	14.73	62.52	8.2	33.22	8.2	24.7	4.00
I26	04 Feb 2017	7	14.68	67.95	7.8	33.24	8.2	24.7	9.28
I26	04 Feb 2017	8	14.60	60.79	7.8	33.25	8.1	24.7	13.31
I26	04 Feb 2017	9	14.61	19.93	8.0	33.25	8.1	24.7	12.46
I26	08 Feb 2017	1	14.93	NA	8.0	33.23	8.1	24.6	1.64
I26	08 Feb 2017	2	14.93	NA	8.0	33.23	8.1	24.6	1.69
I26	08 Feb 2017	3	14.88	NA	8.0	33.29	8.1	24.7	1.71
I26	08 Feb 2017	4	14.84	NA	7.9	33.31	8.1	24.7	1.80
I26	08 Feb 2017	5	14.81	NA	7.9	33.31	8.1	24.7	1.86
I26	08 Feb 2017	6	14.78	NA	7.8	33.31	8.1	24.7	1.99
I26	08 Feb 2017	7	14.77	NA	7.7	33.31	8.1	24.7	2.12
I26	08 Feb 2017	8	14.77	NA	7.6	33.31	8.1	24.7	2.10
I26	08 Feb 2017	9	14.77	NA	7.6	33.31	8.1	24.7	2.15
I26	14 Feb 2017	1	14.99	67.61	8.1	32.94	8.1	24.4	1.30
I26	14 Feb 2017	2	14.98	69.19	8.2	32.97	8.1	24.4	1.94
I26	14 Feb 2017	3	14.88	70.73	8.2	33.24	8.1	24.6	2.50
I26	14 Feb 2017	4	14.87	74.67	8.2	33.28	8.2	24.7	2.85
I26	14 Feb 2017	5	14.85	78.11	8.1	33.29	8.2	24.7	2.93
I26	14 Feb 2017	6	14.80	78.76	8.0	33.30	8.2	24.7	3.08
I26	14 Feb 2017	7	14.75	79.13	7.7	33.30	8.1	24.7	3.05
I26	14 Feb 2017	8	14.72	79.30	7.0	33.30	8.1	24.7	2.62
I26	14 Feb 2017	9	14.02	80.24	7.0	33.33	8.1	24.9	2.68
I26	24 Feb 2017	1	13.92	30.55	7.5	33.24	8.0	24.8	1.23
I26	24 Feb 2017	2	13.93	29.42	7.3	33.23	8.0	24.8	1.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I26	24 Feb 2017	3	13.72	28.26	7.2	33.26	8.0	24.9	1.85
I26	24 Feb 2017	4	13.52	26.72	7.3	33.28	8.0	25.0	1.81
I26	24 Feb 2017	5	13.47	23.07	7.3	33.28	8.0	25.0	1.79
I26	24 Feb 2017	6	13.40	18.52	7.2	33.30	8.0	25.0	1.83
I26	24 Feb 2017	7	13.35	16.48	6.5	33.30	8.0	25.0	1.65
I26	24 Feb 2017	8	13.16	16.30	5.8	33.34	8.0	25.1	1.56
I26	24 Feb 2017	9	12.99	17.56	6.3	33.36	7.9	25.1	0.26
I32	04 Feb 2017	1	15.05	56.11	8.5	33.21	8.2	24.6	2.45
I32	04 Feb 2017	2	14.90	55.50	8.5	33.21	8.2	24.6	2.99
I32	04 Feb 2017	3	14.84	54.19	8.5	33.21	8.2	24.6	3.49
I32	04 Feb 2017	4	14.75	54.08	8.4	33.22	8.2	24.7	3.86
I32	04 Feb 2017	5	14.67	53.94	8.3	33.22	8.2	24.7	3.92
I32	04 Feb 2017	6	14.59	50.17	8.2	33.23	8.1	24.7	3.82
I32	04 Feb 2017	7	14.52	50.55	8.0	33.23	8.1	24.7	3.90
I32	04 Feb 2017	8	14.46	43.88	7.8	33.24	8.1	24.7	4.16
I32	04 Feb 2017	9	14.41	30.53	7.7	33.25	8.1	24.7	4.80
I32	04 Feb 2017	10	14.40	29.15	7.8	33.25	8.1	24.7	5.06
I32	09 Feb 2017	1	15.18	43.20	7.9	33.30	8.1	24.6	1.68
I32	09 Feb 2017	2	15.18	43.64	7.9	33.30	8.1	24.6	1.70
I32	09 Feb 2017	3	15.15	43.06	7.9	33.30	8.1	24.6	1.77
I32	09 Feb 2017	4	15.15	41.21	7.9	33.30	8.1	24.6	2.31
I32	09 Feb 2017	5	15.11	39.79	7.9	33.30	8.1	24.6	2.77
I32	09 Feb 2017	6	15.12	39.52	7.9	33.30	8.1	24.6	3.28
I32	09 Feb 2017	7	15.11	40.07	7.9	33.30	8.1	24.6	3.55
I32	09 Feb 2017	8	15.11	38.66	7.9	33.30	8.1	24.6	3.66
I32	09 Feb 2017	9	15.06	39.35	7.8	33.31	8.1	24.7	3.47
I32	14 Feb 2017	1	15.00	65.03	8.1	33.31	8.1	24.7	1.11
I32	14 Feb 2017	2	14.94	74.22	8.1	33.32	8.1	24.7	1.73
I32	14 Feb 2017	3	14.80	73.51	8.2	33.32	8.1	24.7	2.60
I32	14 Feb 2017	4	14.77	72.50	8.2	33.32	8.1	24.7	3.09
I32	14 Feb 2017	5	14.71	71.70	8.2	33.32	8.1	24.7	3.30
I32	14 Feb 2017	6	14.70	71.16	8.2	33.32	8.1	24.7	3.32
I32	14 Feb 2017	7	14.68	71.24	8.2	33.32	8.1	24.7	3.37
I32	14 Feb 2017	8	14.59	71.52	8.0	33.33	8.1	24.8	3.05
I32	14 Feb 2017	9	14.59	73.11	7.4	33.32	8.1	24.8	3.21
I32	14 Feb 2017	10	14.19	73.98	6.9	33.34	8.1	24.9	3.36
I32	24 Feb 2017	1	14.27	36.91	7.6	33.22	8.0	24.8	1.06
I32	24 Feb 2017	2	14.15	37.03	7.5	33.23	8.0	24.8	1.94
I32	24 Feb 2017	3	13.88	35.75	7.1	33.24	8.0	24.9	2.23
I32	24 Feb 2017	4	13.68	33.41	6.6	33.27	8.0	24.9	1.91
I32	24 Feb 2017	5	13.46	28.58	6.7	33.33	8.0	25.0	1.69
I32	24 Feb 2017	6	13.25	20.69	6.9	33.37	8.0	25.1	1.56
I32	24 Feb 2017	7	13.22	13.65	7.1	33.37	8.0	25.1	1.69
I32	24 Feb 2017	8	13.04	11.17	7.2	33.39	7.9	25.1	1.72
I32	24 Feb 2017	9	12.92	6.26	7.1	33.40	7.9	25.2	1.76
I32	24 Feb 2017	10	13.01	3.18	7.1	33.38	7.9	25.1	1.70
I39	04 Feb 2017	1	14.85	70.19	8.6	33.08	8.2	24.5	2.41
I39	04 Feb 2017	2	14.85	70.01	8.7	33.08	8.2	24.5	1.46
I39	04 Feb 2017	3	14.86	69.93	8.8	33.08	8.2	24.5	0.50
I39	04 Feb 2017	4	14.85	70.06	8.9	33.08	8.2	24.5	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I39	04 Feb 2017	5	14.84	69.56	9.0	33.08	8.2	24.5	2.78
I39	04 Feb 2017	6	14.87	71.15	9.2	33.14	8.2	24.6	2.77
I39	04 Feb 2017	7	14.80	76.85	9.1	33.24	8.2	24.7	3.00
I39	04 Feb 2017	8	14.71	82.54	8.7	33.27	8.2	24.7	3.27
I39	04 Feb 2017	9	14.45	82.91	8.2	33.32	8.2	24.8	3.05
I39	04 Feb 2017	10	14.29	80.66	7.9	33.28	8.2	24.8	3.15
I39	04 Feb 2017	11	14.25	78.63	7.8	33.28	8.2	24.8	3.69
I39	04 Feb 2017	12	14.20	76.75	7.6	33.29	8.1	24.8	4.02
I39	04 Feb 2017	13	14.19	73.76	7.5	33.29	8.1	24.8	4.00
I39	04 Feb 2017	14	14.17	71.30	7.4	33.29	8.1	24.8	4.20
I39	04 Feb 2017	15	14.16	69.76	7.4	33.28	8.1	24.8	4.14
I39	04 Feb 2017	16	14.14	68.38	7.3	33.28	8.1	24.8	4.40
I39	04 Feb 2017	17	14.11	65.92	7.2	33.28	8.1	24.8	5.42
I39	04 Feb 2017	18	14.11	58.64	7.2	33.28	8.1	24.8	7.63
I39	08 Feb 2017	1	14.99	NA	8.1	33.32	8.1	24.7	0.74
I39	08 Feb 2017	2	14.99	NA	8.1	33.32	8.1	24.7	0.78
I39	08 Feb 2017	3	14.98	NA	8.1	33.32	8.1	24.7	0.79
I39	08 Feb 2017	4	14.97	NA	8.1	33.32	8.1	24.7	0.80
I39	08 Feb 2017	5	14.97	NA	8.1	33.32	8.1	24.7	0.88
I39	08 Feb 2017	6	14.97	NA	8.0	33.32	8.1	24.7	0.92
I39	08 Feb 2017	7	14.95	NA	8.0	33.32	8.1	24.7	0.97
I39	08 Feb 2017	8	14.93	NA	8.0	33.32	8.1	24.7	1.05
I39	08 Feb 2017	9	14.91	NA	8.0	33.32	8.1	24.7	1.14
I39	08 Feb 2017	10	14.90	NA	8.0	33.33	8.1	24.7	1.26
I39	08 Feb 2017	11	14.88	NA	8.0	33.33	8.1	24.7	1.31
I39	08 Feb 2017	12	14.89	NA	8.0	33.32	8.1	24.7	1.46
I39	08 Feb 2017	13	14.87	NA	8.0	33.33	8.1	24.7	1.53
I39	08 Feb 2017	14	14.86	NA	8.0	33.33	8.1	24.7	1.63
I39	08 Feb 2017	15	14.84	NA	8.0	33.33	8.1	24.7	1.83
I39	08 Feb 2017	16	14.79	NA	7.9	33.33	8.1	24.7	1.97
I39	08 Feb 2017	17	14.73	NA	7.8	33.33	8.1	24.7	2.05
I39	08 Feb 2017	18	14.64	NA	7.6	33.34	8.1	24.8	2.17
I39	14 Feb 2017	1	15.14	83.79	8.1	33.19	8.2	24.5	0.51
I39	14 Feb 2017	2	15.14	83.65	8.2	33.21	8.2	24.6	0.53
I39	14 Feb 2017	3	15.17	84.69	8.2	33.28	8.2	24.6	0.57
I39	14 Feb 2017	4	15.17	87.11	8.1	33.31	8.2	24.6	0.96
I39	14 Feb 2017	5	15.16	88.06	8.0	33.30	8.2	24.6	1.38
I39	14 Feb 2017	6	14.94	87.95	7.9	33.31	8.2	24.7	1.79
I39	14 Feb 2017	7	14.85	86.19	7.6	33.30	8.2	24.7	2.22
I39	14 Feb 2017	8	14.63	82.91	7.2	33.30	8.2	24.7	2.57
I39	14 Feb 2017	9	14.21	82.60	7.1	33.30	8.1	24.8	2.65
I39	14 Feb 2017	10	14.11	82.74	7.2	33.29	8.1	24.8	2.80
I39	14 Feb 2017	11	14.09	83.17	7.3	33.29	8.1	24.8	2.90
I39	14 Feb 2017	12	14.09	83.46	7.1	33.29	8.1	24.8	2.73
I39	14 Feb 2017	13	14.07	83.71	6.5	33.29	8.1	24.9	2.17
I39	14 Feb 2017	14	13.86	84.14	5.9	33.31	8.1	24.9	1.84
I39	14 Feb 2017	15	13.33	84.61	5.9	33.35	8.0	25.0	1.76
I39	14 Feb 2017	16	13.24	82.93	6.1	33.34	8.0	25.1	1.69
I39	14 Feb 2017	17	13.32	81.95	6.1	33.33	8.0	25.0	1.65
I39	14 Feb 2017	18	13.23	81.77	6.2	33.34	8.0	25.1	1.58
I39	24 Feb 2017	1	14.07	80.51	7.4	33.29	8.0	24.9	0.42
I39	24 Feb 2017	2	14.08	80.56	7.3	33.29	8.0	24.9	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I39	24 Feb 2017	3	14.09	80.37	6.8	33.29	8.0	24.8	0.71
I39	24 Feb 2017	4	13.84	79.96	5.9	33.31	8.0	24.9	0.57
I39	24 Feb 2017	5	13.37	79.59	5.2	33.35	8.0	25.0	0.51
I39	24 Feb 2017	6	12.83	79.86	5.1	33.39	8.0	25.2	0.48
I39	24 Feb 2017	7	12.54	82.38	5.1	33.41	7.9	25.2	0.50
I39	24 Feb 2017	8	12.38	84.16	5.1	33.41	7.9	25.3	0.54
I39	24 Feb 2017	9	12.21	83.16	5.2	33.43	7.9	25.3	0.59
I39	24 Feb 2017	10	12.17	81.33	5.2	33.42	7.9	25.3	0.67
I39	24 Feb 2017	11	12.15	80.31	5.2	33.42	7.9	25.3	0.77
I39	24 Feb 2017	12	12.13	78.76	5.1	33.42	7.9	25.3	0.82
I39	24 Feb 2017	13	12.13	75.52	5.1	33.42	7.9	25.3	0.84
I39	24 Feb 2017	14	12.13	65.99	5.2	33.42	7.9	25.3	0.88
I39	24 Feb 2017	15	12.12	62.07	5.2	33.43	7.9	25.3	0.86
I39	24 Feb 2017	16	12.13	60.15	5.2	33.43	7.9	25.3	0.90
I39	24 Feb 2017	17	12.12	59.08	5.2	33.43	7.9	25.3	0.95
I39	24 Feb 2017	18	12.12	57.63	5.1	33.43	7.9	25.3	0.98
I40	04 Feb 2017	1	14.72	46.52	8.3	32.85	8.1	24.4	0.31
I40	04 Feb 2017	2	14.65	47.15	7.5	33.07	8.1	24.6	2.85
I40	04 Feb 2017	3	14.60	43.35	7.1	33.19	8.1	24.7	1.82
I40	04 Feb 2017	4	14.58	45.17	7.3	33.23	8.1	24.7	2.11
I40	04 Feb 2017	5	14.57	47.59	7.6	33.24	8.1	24.7	0.90
I40	04 Feb 2017	6	14.52	48.18	7.9	33.27	8.1	24.7	4.16
I40	04 Feb 2017	7	14.48	50.18	8.1	33.28	8.1	24.8	4.37
I40	04 Feb 2017	8	14.48	49.71	7.8	33.26	8.1	24.7	4.24
I40	04 Feb 2017	9	14.45	44.40	7.4	33.27	8.1	24.8	4.82
I40	08 Feb 2017	1	14.89	51.49	8.1	33.15	8.1	24.6	1.49
I40	08 Feb 2017	2	14.79	51.10	8.1	33.16	8.1	24.6	1.67
I40	08 Feb 2017	3	14.71	51.45	8.1	33.17	8.1	24.6	2.32
I40	08 Feb 2017	4	14.71	56.81	8.0	33.19	8.1	24.6	2.59
I40	08 Feb 2017	5	14.70	59.90	7.9	33.22	8.1	24.7	2.51
I40	08 Feb 2017	6	14.66	61.02	7.7	33.25	8.1	24.7	2.34
I40	08 Feb 2017	7	14.62	63.13	7.6	33.26	8.1	24.7	2.05
I40	08 Feb 2017	8	14.60	57.17	7.4	33.26	8.1	24.7	2.11
I40	08 Feb 2017	9	14.60	48.55	7.3	33.25	8.1	24.7	2.37
I40	08 Feb 2017	10	14.60	42.12	7.2	33.25	8.0	24.7	2.80
I40	14 Feb 2017	1	14.90	58.83	8.2	33.06	8.1	24.5	2.27
I40	14 Feb 2017	2	14.88	57.29	8.2	33.07	8.1	24.5	2.97
I40	14 Feb 2017	3	14.81	58.95	8.1	33.10	8.1	24.6	3.60
I40	14 Feb 2017	4	14.79	61.78	8.1	33.12	8.1	24.6	3.73
I40	14 Feb 2017	5	14.67	61.51	8.1	33.19	8.1	24.6	3.52
I40	14 Feb 2017	6	14.67	61.35	8.0	33.21	8.1	24.7	3.15
I40	14 Feb 2017	7	14.64	64.08	7.8	33.21	8.1	24.7	3.20
I40	14 Feb 2017	8	14.55	63.95	7.6	33.24	8.1	24.7	3.23
I40	14 Feb 2017	9	14.48	63.63	7.5	33.26	8.1	24.7	3.33
I40	14 Feb 2017	10	14.25	60.23	7.7	33.26	8.1	24.8	3.26
I40	24 Feb 2017	1	13.62	8.24	8.1	33.24	8.0	24.9	1.78
I40	24 Feb 2017	2	13.59	8.09	8.0	33.26	8.0	24.9	1.93
I40	24 Feb 2017	3	13.58	9.27	7.6	33.26	8.0	24.9	1.82
I40	24 Feb 2017	4	13.56	12.08	7.0	33.29	8.0	25.0	1.57
I40	24 Feb 2017	5	13.39	16.72	6.2	33.33	8.0	25.0	1.35
I40	24 Feb 2017	6	13.28	16.15	5.4	33.35	8.0	25.1	1.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I40	24 Feb 2017	7	13.07	42.46	5.1	33.38	8.0	25.1	1.21
I40	24 Feb 2017	8	12.80	62.40	5.1	33.40	7.9	25.2	1.45
I40	24 Feb 2017	9	12.70	44.48	5.3	33.40	7.9	25.2	1.47
I40	24 Feb 2017	10	12.69	20.14	5.5	33.40	7.9	25.2	1.48

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
08 Feb 2017	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
09 Feb 2017	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
08 Feb 2017	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
09 Feb 2017	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
08 Feb 2017	E	IC	E	E	IC	IC	ns	ns	ns	ns
09 Feb 2017	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
08 Feb 2017	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
09 Feb 2017	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	07 Feb 2017	1103	2	<2	<2	<2	1.00	15.0	85.60	8.0	33.32	8.1	<0.2	<0.2
I3	07 Feb 2017	1103	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	2.7*
I3	07 Feb 2017	1103	18	<2	<2	<2	1.00	14.9	90.71	8.0	33.32	8.1	ns	<0.2
I3	07 Feb 2017	1103	27	<2	<2	2e	1.00	14.2	84.35	7.2	33.33	8.0	ns	<0.2
I5	07 Feb 2017	1127	2	160e	4e	2e	0.02	14.7	NA	7.8	33.25	8.1	<0.2	<0.2
I5	07 Feb 2017	1127	6	1000e	68	110	0.07	14.4	NA	7.6	33.26	8.1	ns	3.0
I5	07 Feb 2017	1127	11	600e	78	120	0.13	14.3	NA	7.6	33.27	8.0	ns	5.8
I7	07 Feb 2017	946	2	<2	<2	<2	1.00	15.0	91.06	8.0	33.32	8.1	<0.2	<0.2
I7	07 Feb 2017	946	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I7	07 Feb 2017	946	18	<2	<2	<2	1.00	14.9	91.22	8.0	33.33	8.1	ns	<0.2
I7	07 Feb 2017	946	52	<2	<2	<2	1.00	13.0	88.02	6.0	33.38	7.9	ns	<0.2
I8	07 Feb 2017	1302	2	<2	<2	<2	1.00	15.1	84.83	8.0	33.32	8.1	<0.2	<0.2
I8	07 Feb 2017	1302	18	<2	<2	<2	1.00	14.9	90.33	8.0	33.33	8.1	ns	2.6
I8	07 Feb 2017	1302	37	<2	<2	<2	1.00	13.7	89.31	6.7	33.34	8.0	ns	2.7
I9	07 Feb 2017	1243	2	<2	<2	<2	1.00	15.1	70.80	8.0	33.31	8.1	<0.2	<0.2
I9	07 Feb 2017	1243	18	<2	<2	<2	1.00	14.9	90.15	8.0	33.33	8.1	ns	<0.2
I9	07 Feb 2017	1243	27	<2	<2	<2	1.00	14.2	88.05	7.2	33.34	8.1	ns	3.5
I10	07 Feb 2017	1227	2	4e	2e	<2	0.50	15.0	87.70	8.0	33.29	8.1	<0.2	3.5
I10	07 Feb 2017	1227	12	14e	2e	<2	0.14	14.9	88.11	7.9	33.31	8.1	ns	<0.2
I10	07 Feb 2017	1227	18	80e	2e	6e	0.02	14.5	65.21	7.0	33.30	8.0	ns	3.5
I11	07 Feb 2017	1213	2	2e	<2	<2	1.00	14.9	85.33	8.0	33.30	8.1	<0.2	3.1
I11	07 Feb 2017	1213	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	2.8*
I11	07 Feb 2017	1213	6	4e	<2	<2	0.50	14.8	85.56	8.0	33.29	8.1	ns	3.2
I11	07 Feb 2017	1213	11	8e	<2	<2	0.25	14.7	80.42	7.7	33.30	8.1	ns	12.9
I12	08 Feb 2017	1015	2	720	56	140e	0.08	15.1	86.47	8.1	33.25	8.1	<0.2	2.9
I12	08 Feb 2017	1015	18	<2	<2	<2	1.00	14.9	90.49	8.0	33.33	8.1	ns	<0.2
I12	08 Feb 2017	1015	27	<2	<2	<2	1.00	14.1	86.61	7.1	33.33	8.1	ns	3.2
I13	07 Feb 2017	1319	2	<2	<2	<2	1.00	15.2	72.02	8.0	33.28	8.1	<0.2	<0.2
I13	07 Feb 2017	1319	18	<2	<2	<2	1.00	14.9	90.51	8.0	33.33	8.1	ns	3.2
I13	07 Feb 2017	1319	37	2e	<2	<2	1.00	13.6	89.46	6.6	33.37	8.0	ns	2.6
I14	08 Feb 2017	1037	2	2e	<2	<2	1.00	15.3	90.42	8.1	33.31	8.1	<0.2	<0.2
I14	08 Feb 2017	1037	18	<2	<2	<2	1.00	14.8	90.27	7.9	33.33	8.1	ns	2.9
I14	08 Feb 2017	1037	27	<2	<2	<2	1.00	14.0	84.59	7.0	33.34	8.1	ns	4.7
I16	08 Feb 2017	957	2	700	74	140e	0.11	15.1	87.39	8.0	33.26	8.1	<0.2	<0.2
I16	08 Feb 2017	957	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I16	08 Feb 2017	957	18	<2	<2	<2	1.00	14.8	90.68	7.9	33.33	8.1	ns	<0.2

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I16	08 Feb 2017	957	27	<2	<2	<2	1.00	14.1	83.91	7.0	33.33	8.1	ns	4.0
I18	08 Feb 2017	936	2	1200	120e	200e	0.10	15.0	82.74	8.1	33.28	8.1	<0.2	<0.2
I18	08 Feb 2017	936	12	<2	<2	<2	1.00	14.8	87.59	7.8	33.32	8.1	ns	<0.2
I18	08 Feb 2017	936	18	<2	<2	<2	1.00	14.5	85.23	7.4	33.35	8.1	ns	7.1
I20	07 Feb 2017	921	2	<2	<2	<2	1.00	15.0	90.58	8.0	33.32	8.1	<0.2	<0.2
I20	07 Feb 2017	921	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I20	07 Feb 2017	921	18	<2	<2	<2	1.00	14.8	91.53	7.9	33.33	8.1	ns	2.7
I20	07 Feb 2017	921	55	4e	<2	<2	0.50	12.6	87.46	5.9	33.38	7.9	ns	3.9
I21	07 Feb 2017	1336	2	2e	<2	2e	1.00	15.3	82.70	8.0	33.33	8.1	<0.2	<0.2
I21	07 Feb 2017	1336	18	<2	<2	<2	1.00	14.9	90.70	8.0	33.34	8.1	ns	<0.2
I21	07 Feb 2017	1336	37	<2	<2	<2	1.00	14.0	91.08	7.0	33.35	8.0	ns	<0.2
I22	08 Feb 2017	1057	2	<2	<2	<2	1.00	15.2	88.52	8.1	33.32	8.1	<0.2	<0.2
I22	08 Feb 2017	1057	18	<2	<2	<2	1.00	14.6	89.73	7.8	33.34	8.1	ns	<0.2
I22	08 Feb 2017	1057	27	<2	<2	<2	1.00	14.0	84.21	7.0	33.34	8.1	ns	<0.2
I23	08 Feb 2017	1111	2	1400	100e	60	0.07	15.4	61.10	7.9	32.91	8.1	<0.2	3.9
I23	08 Feb 2017	1111	12	2e	<2	<2	1.00	14.9	87.09	7.9	33.32	8.1	ns	3.2
I23	08 Feb 2017	1111	18	<2	<2	<2	1.00	14.7	82.77	7.5	33.33	8.1	ns	2.6
I30	09 Feb 2017	1126	2	<2	<2	<2	1.00	15.0	90.24	8.0	33.33	8.1	<0.2	5.5
I30	09 Feb 2017	1126	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	2.9*
I30	09 Feb 2017	1126	18	<2	<2	<2	1.00	14.4	90.54	7.5	33.33	8.1	ns	3.1
I30	09 Feb 2017	1126	27	2e	<2	<2	1.00	13.1	86.51	6.2	33.35	8.0	ns	3.8
I33	09 Feb 2017	1335	2	<2	<2	<2	1.00	15.2	77.55	8.3	33.23	8.2	<0.2	3.0
I33	09 Feb 2017	1335	18	2e	<2	<2	1.00	14.7	78.64	7.6	33.31	8.1	ns	5.8
I33	09 Feb 2017	1335	27	<2	<2	<2	1.00	14.5	85.00	7.5	33.32	8.1	ns	7.2
I36	09 Feb 2017	1219	2	<2	<2	<2	1.00	15.4	45.39	7.5	33.34	8.2	<0.2	6.2
I36	09 Feb 2017	1219	6	<2	<2	<2	1.00	14.9	81.69	8.1	33.31	8.2	ns	3.9
I36	09 Feb 2017	1219	11	<2	<2	2e	1.00	14.7	53.30	7.3	33.32	8.1	ns	9.3
I37	09 Feb 2017	1309	2	<2	<2	<2	1.00	15.2	74.27	7.9	33.18	8.1	<0.2	5.5
I37	09 Feb 2017	1309	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	6.1*
I37	09 Feb 2017	1309	6	2e	<2	<2	1.00	15.1	73.10	7.8	33.19	8.1	ns	6.8
I37	09 Feb 2017	1309	11	<2	<2	<2	1.00	15.0	70.35	7.8	33.21	8.1	ns	9.4
I38	09 Feb 2017	1252	2	<2	<2	<2	1.00	15.2	74.75	8.3	33.26	8.2	<0.2	4.1
I38	09 Feb 2017	1252	6	<2	<2	<2	1.00	14.9	77.73	8.1	33.31	8.2	ns	6.9
I38	09 Feb 2017	1252	11	2e	2e	<2	1.00	14.8	54.75	7.4	33.31	8.1	ns	5.9

ns = not sampled
ND = no data

Comments

Station	Date	Depth	Parameter	Comments
I5	08 Feb 2017			XMS data was deleted due to anomalous readings

Table 4.6

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

Station	Date	Parameter	Value
I1	07 Feb 2017	Depth (m)	60
I1	07 Feb 2017	Arrive Time	1014
I1	07 Feb 2017	Depart Time	1021
I1	07 Feb 2017	Air Temp (C)	16
I1	07 Feb 2017	Weather	Partly Cloudy
I1	07 Feb 2017	Visibility (mi)	6
I1	07 Feb 2017	Wind Speed (kts)	8
I1	07 Feb 2017	Wind Dir	S
I1	07 Feb 2017	Water Color	Bluish-Green
I1	07 Feb 2017	Wave Ht Low (ft)	4
I1	07 Feb 2017	Wave Period (sec)	9
I1	07 Feb 2017	Sea State	Calm
I1	07 Feb 2017	High Tide (ft)	5.8
I1	07 Feb 2017	High Tide Time	552
I1	07 Feb 2017	Low Tide (ft)	-0.9
I1	07 Feb 2017	Low Tide Time	1309
I1	07 Feb 2017	Comments	
I2	07 Feb 2017	Depth (m)	32
I2	07 Feb 2017	Arrive Time	1043
I2	07 Feb 2017	Depart Time	1051
I2	07 Feb 2017	Air Temp (C)	16
I2	07 Feb 2017	Weather	Partly Cloudy
I2	07 Feb 2017	Visibility (mi)	8
I2	07 Feb 2017	Wind Speed (kts)	3
I2	07 Feb 2017	Wind Dir	SW
I2	07 Feb 2017	Water Color	Bluish-Green
I2	07 Feb 2017	Wave Ht Low (ft)	4
I2	07 Feb 2017	Wave Period (sec)	9
I2	07 Feb 2017	Sea State	Calm
I2	07 Feb 2017	High Tide (ft)	5.8
I2	07 Feb 2017	High Tide Time	552
I2	07 Feb 2017	Low Tide (ft)	-0.9
I2	07 Feb 2017	Low Tide Time	1309
I2	07 Feb 2017	Comments	Boats
I3	07 Feb 2017	Depth (m)	27
I3	07 Feb 2017	Arrive Time	1103
I3	07 Feb 2017	Depart Time	1107
I3	07 Feb 2017	Air Temp (C)	16
I3	07 Feb 2017	Weather	Partly Cloudy
I3	07 Feb 2017	Visibility (mi)	8
I3	07 Feb 2017	Wind Speed (kts)	2
I3	07 Feb 2017	Wind Dir	S
I3	07 Feb 2017	Water Color	Green
I3	07 Feb 2017	Wave Ht Low (ft)	4
I3	07 Feb 2017	Wave Period (sec)	9
I3	07 Feb 2017	Sea State	Calm
I3	07 Feb 2017	High Tide (ft)	5.8
I3	07 Feb 2017	High Tide Time	552
I3	07 Feb 2017	Low Tide (ft)	-0.9

Station	Date	Parameter	Value
I3	07 Feb 2017	Low Tide Time	1309
I3	07 Feb 2017	Comments	
I4	07 Feb 2017	Depth (m)	18
I4	07 Feb 2017	Arrive Time	1119
I4	07 Feb 2017	Depart Time	1122
I4	07 Feb 2017	Air Temp (C)	16
I4	07 Feb 2017	Weather	Partly Cloudy
I4	07 Feb 2017	Visibility (mi)	8
I4	07 Feb 2017	Wind Speed (kts)	0
I4	07 Feb 2017	Wind Dir	
I4	07 Feb 2017	Water Color	Green
I4	07 Feb 2017	Wave Ht Low (ft)	4
I4	07 Feb 2017	Wave Period (sec)	9
I4	07 Feb 2017	Sea State	Calm
I4	07 Feb 2017	High Tide (ft)	5.8
I4	07 Feb 2017	High Tide Time	552
I4	07 Feb 2017	Low Tide (ft)	-0.9
I4	07 Feb 2017	Low Tide Time	1309
I4	07 Feb 2017	Comments	
I5	07 Feb 2017	Depth (m)	13
I5	07 Feb 2017	Arrive Time	1127
I5	07 Feb 2017	Depart Time	1133
I5	07 Feb 2017	Air Temp (C)	16
I5	07 Feb 2017	Weather	Partly Cloudy
I5	07 Feb 2017	Visibility (mi)	8
I5	07 Feb 2017	Wind Speed (kts)	0
I5	07 Feb 2017	Wind Dir	
I5	07 Feb 2017	Water Color	Green
I5	07 Feb 2017	Wave Ht Low (ft)	4
I5	07 Feb 2017	Wave Period (sec)	9
I5	07 Feb 2017	Sea State	Calm
I5	07 Feb 2017	High Tide (ft)	5.8
I5	07 Feb 2017	High Tide Time	552
I5	07 Feb 2017	Low Tide (ft)	-0.9
I5	07 Feb 2017	Low Tide Time	1309
I5	07 Feb 2017	Comments	
I6	07 Feb 2017	Depth (m)	25
I6	07 Feb 2017	Arrive Time	1150
I6	07 Feb 2017	Depart Time	1200
I6	07 Feb 2017	Air Temp (C)	16
I6	07 Feb 2017	Weather	Partly Cloudy
I6	07 Feb 2017	Visibility (mi)	8
I6	07 Feb 2017	Wind Speed (kts)	8
I6	07 Feb 2017	Wind Dir	SE
I6	07 Feb 2017	Water Color	Bluish-Green
I6	07 Feb 2017	Wave Ht Low (ft)	4
I6	07 Feb 2017	Wave Period (sec)	9
I6	07 Feb 2017	Sea State	Calm
I6	07 Feb 2017	High Tide (ft)	5.8
I6	07 Feb 2017	High Tide Time	552
I6	07 Feb 2017	Low Tide (ft)	-0.9
I6	07 Feb 2017	Low Tide Time	1309

Station	Date	Parameter	Value
I6	07 Feb 2017	Comments	
I7	07 Feb 2017	Depth (m)	51
I7	07 Feb 2017	Arrive Time	946
I7	07 Feb 2017	Depart Time	954
I7	07 Feb 2017	Air Temp (C)	16
I7	07 Feb 2017	Weather	Partly Cloudy
I7	07 Feb 2017	Visibility (mi)	6
I7	07 Feb 2017	Wind Speed (kts)	6
I7	07 Feb 2017	Wind Dir	S
I7	07 Feb 2017	Water Color	Bluish-Green
I7	07 Feb 2017	Wave Ht Low (ft)	4
I7	07 Feb 2017	Wave Period (sec)	9
I7	07 Feb 2017	Sea State	Calm
I7	07 Feb 2017	High Tide (ft)	5.8
I7	07 Feb 2017	High Tide Time	552
I7	07 Feb 2017	Low Tide (ft)	-0.9
I7	07 Feb 2017	Low Tide Time	1309
I7	07 Feb 2017	Comments	Only obtained 51m of depth instead of 52m
I8	07 Feb 2017	Depth (m)	35
I8	07 Feb 2017	Arrive Time	1302
I8	07 Feb 2017	Depart Time	1308
I8	07 Feb 2017	Air Temp (C)	16
I8	07 Feb 2017	Weather	Partly Cloudy
I8	07 Feb 2017	Visibility (mi)	8
I8	07 Feb 2017	Wind Speed (kts)	3
I8	07 Feb 2017	Wind Dir	SE
I8	07 Feb 2017	Water Color	Bluish-Green
I8	07 Feb 2017	Wave Ht Low (ft)	4
I8	07 Feb 2017	Wave Period (sec)	9
I8	07 Feb 2017	Sea State	Light chop
I8	07 Feb 2017	High Tide (ft)	5.8
I8	07 Feb 2017	High Tide Time	552
I8	07 Feb 2017	Low Tide (ft)	-0.9
I8	07 Feb 2017	Low Tide Time	1309
I8	07 Feb 2017	Comments	Obtained 35m at 36m station within 0.05nm
I9	07 Feb 2017	Depth (m)	28
I9	07 Feb 2017	Arrive Time	1243
I9	07 Feb 2017	Depart Time	1250
I9	07 Feb 2017	Air Temp (C)	16
I9	07 Feb 2017	Weather	Partly Cloudy
I9	07 Feb 2017	Visibility (mi)	8
I9	07 Feb 2017	Wind Speed (kts)	8
I9	07 Feb 2017	Wind Dir	E
I9	07 Feb 2017	Water Color	Bluish-Green
I9	07 Feb 2017	Wave Ht Low (ft)	4
I9	07 Feb 2017	Wave Period (sec)	9
I9	07 Feb 2017	Sea State	Light chop
I9	07 Feb 2017	High Tide (ft)	5.8
I9	07 Feb 2017	High Tide Time	552
I9	07 Feb 2017	Low Tide (ft)	-0.9
I9	07 Feb 2017	Low Tide Time	1309
I9	07 Feb 2017	Comments	

Station	Date	Parameter	Value
I10	07 Feb 2017	Depth (m)	20
I10	07 Feb 2017	Arrive Time	1227
I10	07 Feb 2017	Depart Time	1235
I10	07 Feb 2017	Air Temp (C)	16
I10	07 Feb 2017	Weather	Overcast
I10	07 Feb 2017	Visibility (mi)	8
I10	07 Feb 2017	Wind Speed (kts)	8
I10	07 Feb 2017	Wind Dir	N
I10	07 Feb 2017	Water Color	Bluish-Green
I10	07 Feb 2017	Wave Ht Low (ft)	4
I10	07 Feb 2017	Wave Period (sec)	9
I10	07 Feb 2017	Sea State	Calm
I10	07 Feb 2017	High Tide (ft)	5.8
I10	07 Feb 2017	High Tide Time	552
I10	07 Feb 2017	Low Tide (ft)	-0.9
I10	07 Feb 2017	Low Tide Time	1309
I10	07 Feb 2017	Comments	
I11	07 Feb 2017	Depth (m)	13
I11	07 Feb 2017	Arrive Time	1213
I11	07 Feb 2017	Depart Time	1216
I11	07 Feb 2017	Air Temp (C)	16
I11	07 Feb 2017	Weather	Overcast
I11	07 Feb 2017	Visibility (mi)	8
I11	07 Feb 2017	Wind Speed (kts)	6
I11	07 Feb 2017	Wind Dir	SE
I11	07 Feb 2017	Water Color	Bluish-Green
I11	07 Feb 2017	Wave Ht Low (ft)	4
I11	07 Feb 2017	Wave Period (sec)	9
I11	07 Feb 2017	Sea State	Calm
I11	07 Feb 2017	High Tide (ft)	5.8
I11	07 Feb 2017	High Tide Time	552
I11	07 Feb 2017	Low Tide (ft)	-0.9
I11	07 Feb 2017	Low Tide Time	1309
I11	07 Feb 2017	Comments	
I12	08 Feb 2017	Depth (m)	28
I12	08 Feb 2017	Arrive Time	1015
I12	08 Feb 2017	Depart Time	1019
I12	08 Feb 2017	Air Temp (C)	16
I12	08 Feb 2017	Weather	Haze
I12	08 Feb 2017	Visibility (mi)	10
I12	08 Feb 2017	Wind Speed (kts)	6
I12	08 Feb 2017	Wind Dir	W
I12	08 Feb 2017	Water Color	Bluish-Green
I12	08 Feb 2017	Wave Ht Low (ft)	2
I12	08 Feb 2017	Wave Period (sec)	16
I12	08 Feb 2017	Sea State	Calm
I12	08 Feb 2017	High Tide (ft)	6.1
I12	08 Feb 2017	High Tide Time	642
I12	08 Feb 2017	Low Tide (ft)	-1.3
I12	08 Feb 2017	Low Tide Time	1352
I12	08 Feb 2017	Comments	

Station	Date	Parameter	Value
I13	07 Feb 2017	Depth (m)	37
I13	07 Feb 2017	Arrive Time	1319
I13	07 Feb 2017	Depart Time	1327
I13	07 Feb 2017	Air Temp (C)	16
I13	07 Feb 2017	Weather	Partly Cloudy
I13	07 Feb 2017	Visibility (mi)	8
I13	07 Feb 2017	Wind Speed (kts)	4
I13	07 Feb 2017	Wind Dir	SW
I13	07 Feb 2017	Water Color	Bluish-Green
I13	07 Feb 2017	Wave Ht Low (ft)	4
I13	07 Feb 2017	Wave Period (sec)	9
I13	07 Feb 2017	Sea State	Light chop
I13	07 Feb 2017	High Tide (ft)	5.8
I13	07 Feb 2017	High Tide Time	552
I13	07 Feb 2017	Low Tide (ft)	-0.9
I13	07 Feb 2017	Low Tide Time	1309
I13	07 Feb 2017	Comments	Boats
I14	08 Feb 2017	Depth (m)	28
I14	08 Feb 2017	Arrive Time	1037
I14	08 Feb 2017	Depart Time	1041
I14	08 Feb 2017	Air Temp (C)	15
I14	08 Feb 2017	Weather	Haze
I14	08 Feb 2017	Visibility (mi)	10
I14	08 Feb 2017	Wind Speed (kts)	9
I14	08 Feb 2017	Wind Dir	NE
I14	08 Feb 2017	Water Color	Bluish-Green
I14	08 Feb 2017	Wave Ht Low (ft)	2
I14	08 Feb 2017	Wave Period (sec)	16
I14	08 Feb 2017	Sea State	Calm
I14	08 Feb 2017	High Tide (ft)	6.1
I14	08 Feb 2017	High Tide Time	642
I14	08 Feb 2017	Low Tide (ft)	-1.3
I14	08 Feb 2017	Low Tide Time	1352
I14	08 Feb 2017	Comments	
I15	08 Feb 2017	Depth (m)	31
I15	08 Feb 2017	Arrive Time	1029
I15	08 Feb 2017	Depart Time	1032
I15	08 Feb 2017	Air Temp (C)	16
I15	08 Feb 2017	Weather	Haze
I15	08 Feb 2017	Visibility (mi)	10
I15	08 Feb 2017	Wind Speed (kts)	9
I15	08 Feb 2017	Wind Dir	SW
I15	08 Feb 2017	Water Color	Bluish-Green
I15	08 Feb 2017	Wave Ht Low (ft)	2
I15	08 Feb 2017	Wave Period (sec)	16
I15	08 Feb 2017	Sea State	Calm
I15	08 Feb 2017	High Tide (ft)	6.1
I15	08 Feb 2017	High Tide Time	642
I15	08 Feb 2017	Low Tide (ft)	-1.3
I15	08 Feb 2017	Low Tide Time	1352
I15	08 Feb 2017	Comments	
I16	08 Feb 2017	Depth (m)	28

Station	Date	Parameter	Value
I16	08 Feb 2017	Arrive Time	957
I16	08 Feb 2017	Depart Time	1010
I16	08 Feb 2017	Air Temp (C)	15
I16	08 Feb 2017	Weather	Haze
I16	08 Feb 2017	Visibility (mi)	10
I16	08 Feb 2017	Wind Speed (kts)	2
I16	08 Feb 2017	Wind Dir	NE
I16	08 Feb 2017	Water Color	Bluish-Green
I16	08 Feb 2017	Wave Ht Low (ft)	2
I16	08 Feb 2017	Wave Period (sec)	16
I16	08 Feb 2017	Sea State	Calm
I16	08 Feb 2017	High Tide (ft)	6.1
I16	08 Feb 2017	High Tide Time	642
I16	08 Feb 2017	Low Tide (ft)	-1.3
I16	08 Feb 2017	Low Tide Time	1352
I16	08 Feb 2017	Comments	
I17	08 Feb 2017	Depth (m)	25
I17	08 Feb 2017	Arrive Time	948
I17	08 Feb 2017	Depart Time	951
I17	08 Feb 2017	Air Temp (C)	15
I17	08 Feb 2017	Weather	Haze
I17	08 Feb 2017	Visibility (mi)	8
I17	08 Feb 2017	Wind Speed (kts)	2
I17	08 Feb 2017	Wind Dir	NW
I17	08 Feb 2017	Water Color	Brownish-Green
I17	08 Feb 2017	Wave Ht Low (ft)	3
I17	08 Feb 2017	Wave Period (sec)	16
I17	08 Feb 2017	Sea State	Calm
I17	08 Feb 2017	High Tide (ft)	6.1
I17	08 Feb 2017	High Tide Time	642
I17	08 Feb 2017	Low Tide (ft)	-1.3
I17	08 Feb 2017	Low Tide Time	1352
I17	08 Feb 2017	Comments	
I18	08 Feb 2017	Depth (m)	19
I18	08 Feb 2017	Arrive Time	936
I18	08 Feb 2017	Depart Time	942
I18	08 Feb 2017	Air Temp (C)	15
I18	08 Feb 2017	Weather	Haze
I18	08 Feb 2017	Visibility (mi)	8
I18	08 Feb 2017	Wind Speed (kts)	1
I18	08 Feb 2017	Wind Dir	NW
I18	08 Feb 2017	Water Color	Brownish-Green
I18	08 Feb 2017	Wave Ht Low (ft)	3
I18	08 Feb 2017	Wave Period (sec)	16
I18	08 Feb 2017	Sea State	Calm
I18	08 Feb 2017	High Tide (ft)	6.1
I18	08 Feb 2017	High Tide Time	642
I18	08 Feb 2017	Low Tide (ft)	-1.3
I18	08 Feb 2017	Low Tide Time	1352
I18	08 Feb 2017	Comments	
I20	07 Feb 2017	Depth (m)	55
I20	07 Feb 2017	Arrive Time	921

Station	Date	Parameter	Value
I20	07 Feb 2017	Depart Time	927
I20	07 Feb 2017	Air Temp (C)	16
I20	07 Feb 2017	Weather	Partly Cloudy
I20	07 Feb 2017	Visibility (mi)	6
I20	07 Feb 2017	Wind Speed (kts)	6
I20	07 Feb 2017	Wind Dir	N
I20	07 Feb 2017	Water Color	Bluish-Green
I20	07 Feb 2017	Wave Ht Low (ft)	4
I20	07 Feb 2017	Wave Period (sec)	9
I20	07 Feb 2017	Sea State	Calm
I20	07 Feb 2017	High Tide (ft)	5.8
I20	07 Feb 2017	High Tide Time	552
I20	07 Feb 2017	Low Tide (ft)	-0.9
I20	07 Feb 2017	Low Tide Time	1309
I20	07 Feb 2017	Comments	
I21	07 Feb 2017	Depth (m)	40
I21	07 Feb 2017	Arrive Time	1336
I21	07 Feb 2017	Depart Time	1342
I21	07 Feb 2017	Air Temp (C)	16
I21	07 Feb 2017	Weather	Partly Cloudy
I21	07 Feb 2017	Visibility (mi)	8
I21	07 Feb 2017	Wind Speed (kts)	3
I21	07 Feb 2017	Wind Dir	NW
I21	07 Feb 2017	Water Color	Bluish-Green
I21	07 Feb 2017	Wave Ht Low (ft)	4
I21	07 Feb 2017	Wave Period (sec)	9
I21	07 Feb 2017	Sea State	Light chop
I21	07 Feb 2017	High Tide (ft)	5.8
I21	07 Feb 2017	High Tide Time	552
I21	07 Feb 2017	Low Tide (ft)	-0.9
I21	07 Feb 2017	Low Tide Time	1309
I21	07 Feb 2017	Comments	Whale 0.25nm west of station
I22	08 Feb 2017	Depth (m)	28
I22	08 Feb 2017	Arrive Time	1057
I22	08 Feb 2017	Depart Time	1100
I22	08 Feb 2017	Air Temp (C)	15
I22	08 Feb 2017	Weather	Haze
I22	08 Feb 2017	Visibility (mi)	10
I22	08 Feb 2017	Wind Speed (kts)	8
I22	08 Feb 2017	Wind Dir	SE
I22	08 Feb 2017	Water Color	Bluish-Green
I22	08 Feb 2017	Wave Ht Low (ft)	2
I22	08 Feb 2017	Wave Period (sec)	16
I22	08 Feb 2017	Sea State	Calm
I22	08 Feb 2017	High Tide (ft)	6.1
I22	08 Feb 2017	High Tide Time	642
I22	08 Feb 2017	Low Tide (ft)	-1.3
I22	08 Feb 2017	Low Tide Time	1352
I22	08 Feb 2017	Comments	
I23	08 Feb 2017	Depth (m)	21
I23	08 Feb 2017	Arrive Time	1111
I23	08 Feb 2017	Depart Time	1114

Station	Date	Parameter	Value
I23	08 Feb 2017	Air Temp (C)	16
I23	08 Feb 2017	Weather	Haze
I23	08 Feb 2017	Visibility (mi)	10
I23	08 Feb 2017	Wind Speed (kts)	9
I23	08 Feb 2017	Wind Dir	NE
I23	08 Feb 2017	Water Color	Green
I23	08 Feb 2017	Wave Ht Low (ft)	2
I23	08 Feb 2017	Wave Period (sec)	16
I23	08 Feb 2017	Sea State	Calm
I23	08 Feb 2017	High Tide (ft)	6.1
I23	08 Feb 2017	High Tide Time	642
I23	08 Feb 2017	Low Tide (ft)	-1.3
I23	08 Feb 2017	Low Tide Time	1352
I23	08 Feb 2017	Comments	
I27	08 Feb 2017	Depth (m)	30
I27	08 Feb 2017	Arrive Time	801
I27	08 Feb 2017	Depart Time	804
I27	08 Feb 2017	Air Temp (C)	14
I27	08 Feb 2017	Weather	Haze
I27	08 Feb 2017	Visibility (mi)	7
I27	08 Feb 2017	Wind Speed (kts)	0
I27	08 Feb 2017	Wind Dir	
I27	08 Feb 2017	Water Color	Green
I27	08 Feb 2017	Wave Ht Low (ft)	3
I27	08 Feb 2017	Wave Period (sec)	16
I27	08 Feb 2017	Sea State	Calm
I27	08 Feb 2017	High Tide (ft)	6.1
I27	08 Feb 2017	High Tide Time	642
I27	08 Feb 2017	Low Tide (ft)	-1.3
I27	08 Feb 2017	Low Tide Time	1352
I27	08 Feb 2017	Comments	
I28	09 Feb 2017	Depth (m)	55
I28	09 Feb 2017	Arrive Time	1043
I28	09 Feb 2017	Depart Time	1056
I28	09 Feb 2017	Air Temp (C)	14
I28	09 Feb 2017	Weather	Partly Cloudy
I28	09 Feb 2017	Visibility (mi)	5
I28	09 Feb 2017	Wind Speed (kts)	4
I28	09 Feb 2017	Wind Dir	E
I28	09 Feb 2017	Water Color	Green
I28	09 Feb 2017	Wave Ht Low (ft)	3
I28	09 Feb 2017	Wave Period (sec)	9
I28	09 Feb 2017	Sea State	Calm
I28	09 Feb 2017	High Tide (ft)	6.3
I28	09 Feb 2017	High Tide Time	728
I28	09 Feb 2017	Low Tide (ft)	-1.4
I28	09 Feb 2017	Low Tide Time	1431
I28	09 Feb 2017	Comments	
I29	09 Feb 2017	Depth (m)	39
I29	09 Feb 2017	Arrive Time	1111
I29	09 Feb 2017	Depart Time	1120
I29	09 Feb 2017	Air Temp (C)	14

Station	Date	Parameter	Value
I29	09 Feb 2017	Weather	Fog
I29	09 Feb 2017	Visibility (mi)	< 1
I29	09 Feb 2017	Wind Speed (kts)	4
I29	09 Feb 2017	Wind Dir	NE
I29	09 Feb 2017	Water Color	Green
I29	09 Feb 2017	Wave Ht Low (ft)	3
I29	09 Feb 2017	Wave Period (sec)	9
I29	09 Feb 2017	Sea State	Calm
I29	09 Feb 2017	High Tide (ft)	6.3
I29	09 Feb 2017	High Tide Time	728
I29	09 Feb 2017	Low Tide (ft)	-1.4
I29	09 Feb 2017	Low Tide Time	1431
I29	09 Feb 2017	Comments	
I30	09 Feb 2017	Depth (m)	29
I30	09 Feb 2017	Arrive Time	1126
I30	09 Feb 2017	Depart Time	1131
I30	09 Feb 2017	Air Temp (C)	14
I30	09 Feb 2017	Weather	Fog
I30	09 Feb 2017	Visibility (mi)	< 1
I30	09 Feb 2017	Wind Speed (kts)	6
I30	09 Feb 2017	Wind Dir	SE
I30	09 Feb 2017	Water Color	Green
I30	09 Feb 2017	Wave Ht Low (ft)	3
I30	09 Feb 2017	Wave Period (sec)	9
I30	09 Feb 2017	Sea State	Calm
I30	09 Feb 2017	High Tide (ft)	6.3
I30	09 Feb 2017	High Tide Time	728
I30	09 Feb 2017	Low Tide (ft)	-1.4
I30	09 Feb 2017	Low Tide Time	1431
I30	09 Feb 2017	Comments	
I31	09 Feb 2017	Depth (m)	20
I31	09 Feb 2017	Arrive Time	1143
I31	09 Feb 2017	Depart Time	1148
I31	09 Feb 2017	Air Temp (C)	14
I31	09 Feb 2017	Weather	Fog
I31	09 Feb 2017	Visibility (mi)	< 1
I31	09 Feb 2017	Wind Speed (kts)	8
I31	09 Feb 2017	Wind Dir	N
I31	09 Feb 2017	Water Color	Green
I31	09 Feb 2017	Wave Ht Low (ft)	3
I31	09 Feb 2017	Wave Period (sec)	9
I31	09 Feb 2017	Sea State	Calm
I31	09 Feb 2017	High Tide (ft)	6.3
I31	09 Feb 2017	High Tide Time	728
I31	09 Feb 2017	Low Tide (ft)	-1.4
I31	09 Feb 2017	Low Tide Time	1431
I31	09 Feb 2017	Comments	
I33	09 Feb 2017	Depth (m)	31
I33	09 Feb 2017	Arrive Time	1335
I33	09 Feb 2017	Depart Time	1348
I33	09 Feb 2017	Air Temp (C)	14
I33	09 Feb 2017	Weather	Partly Cloudy

Station	Date	Parameter	Value
I33	09 Feb 2017	Visibility (mi)	5
I33	09 Feb 2017	Wind Speed (kts)	7
I33	09 Feb 2017	Wind Dir	N
I33	09 Feb 2017	Water Color	Green
I33	09 Feb 2017	Wave Ht Low (ft)	3
I33	09 Feb 2017	Wave Period (sec)	9
I33	09 Feb 2017	Sea State	Calm
I33	09 Feb 2017	High Tide (ft)	6.3
I33	09 Feb 2017	High Tide Time	728
I33	09 Feb 2017	Low Tide (ft)	-1.4
I33	09 Feb 2017	Low Tide Time	1431
I33	09 Feb 2017	Comments	
I34	09 Feb 2017	Depth (m)	19
I34	09 Feb 2017	Arrive Time	1321
I34	09 Feb 2017	Depart Time	1326
I34	09 Feb 2017	Air Temp (C)	14
I34	09 Feb 2017	Weather	Fog
I34	09 Feb 2017	Visibility (mi)	1
I34	09 Feb 2017	Wind Speed (kts)	5
I34	09 Feb 2017	Wind Dir	SE
I34	09 Feb 2017	Water Color	Green
I34	09 Feb 2017	Wave Ht Low (ft)	3
I34	09 Feb 2017	Wave Period (sec)	9
I34	09 Feb 2017	Sea State	Calm
I34	09 Feb 2017	High Tide (ft)	6.3
I34	09 Feb 2017	High Tide Time	728
I34	09 Feb 2017	Low Tide (ft)	-1.4
I34	09 Feb 2017	Low Tide Time	1431
I34	09 Feb 2017	Comments	
I35	09 Feb 2017	Depth (m)	19
I35	09 Feb 2017	Arrive Time	1233
I35	09 Feb 2017	Depart Time	1239
I35	09 Feb 2017	Air Temp (C)	15
I35	09 Feb 2017	Weather	Fog
I35	09 Feb 2017	Visibility (mi)	1
I35	09 Feb 2017	Wind Speed (kts)	4
I35	09 Feb 2017	Wind Dir	SW
I35	09 Feb 2017	Water Color	Green
I35	09 Feb 2017	Wave Ht Low (ft)	3
I35	09 Feb 2017	Wave Period (sec)	9
I35	09 Feb 2017	Sea State	Calm
I35	09 Feb 2017	High Tide (ft)	6.3
I35	09 Feb 2017	High Tide Time	728
I35	09 Feb 2017	Low Tide (ft)	-1.4
I35	09 Feb 2017	Low Tide Time	1431
I35	09 Feb 2017	Comments	
I36	09 Feb 2017	Depth (m)	10
I36	09 Feb 2017	Arrive Time	1219
I36	09 Feb 2017	Depart Time	1222
I36	09 Feb 2017	Air Temp (C)	15
I36	09 Feb 2017	Weather	Fog
I36	09 Feb 2017	Visibility (mi)	1

Station	Date	Parameter	Value
I36	09 Feb 2017	Wind Speed (kts)	9
I36	09 Feb 2017	Wind Dir	SW
I36	09 Feb 2017	Water Color	Greenish-Brown
I36	09 Feb 2017	Wave Ht Low (ft)	3
I36	09 Feb 2017	Wave Period (sec)	9
I36	09 Feb 2017	Sea State	Calm
I36	09 Feb 2017	High Tide (ft)	6.3
I36	09 Feb 2017	High Tide Time	728
I36	09 Feb 2017	Low Tide (ft)	-1.4
I36	09 Feb 2017	Low Tide Time	1431
I36	09 Feb 2017	Comments	
I37	09 Feb 2017	Depth (m)	12
I37	09 Feb 2017	Arrive Time	1309
I37	09 Feb 2017	Depart Time	1313
I37	09 Feb 2017	Air Temp (C)	15
I37	09 Feb 2017	Weather	Fog
I37	09 Feb 2017	Visibility (mi)	1
I37	09 Feb 2017	Wind Speed (kts)	14
I37	09 Feb 2017	Wind Dir	SE
I37	09 Feb 2017	Water Color	Green
I37	09 Feb 2017	Wave Ht Low (ft)	3
I37	09 Feb 2017	Wave Period (sec)	9
I37	09 Feb 2017	Sea State	Calm
I37	09 Feb 2017	High Tide (ft)	6.3
I37	09 Feb 2017	High Tide Time	728
I37	09 Feb 2017	Low Tide (ft)	-1.4
I37	09 Feb 2017	Low Tide Time	1431
I37	09 Feb 2017	Comments	Boats
I38	09 Feb 2017	Depth (m)	11
I38	09 Feb 2017	Arrive Time	1252
I38	09 Feb 2017	Depart Time	1259
I38	09 Feb 2017	Air Temp (C)	15
I38	09 Feb 2017	Weather	Fog
I38	09 Feb 2017	Visibility (mi)	1
I38	09 Feb 2017	Wind Speed (kts)	8
I38	09 Feb 2017	Wind Dir	SW
I38	09 Feb 2017	Water Color	Green
I38	09 Feb 2017	Wave Ht Low (ft)	3
I38	09 Feb 2017	Wave Period (sec)	9
I38	09 Feb 2017	Sea State	Calm
I38	09 Feb 2017	High Tide (ft)	6.3
I38	09 Feb 2017	High Tide Time	728
I38	09 Feb 2017	Low Tide (ft)	-1.4
I38	09 Feb 2017	Low Tide Time	1431
I38	09 Feb 2017	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	07 Feb 2017	1	15.10	90.71	8.0	33.31	8.1	24.7	0.57
I1	07 Feb 2017	2	15.09	90.62	8.0	33.32	8.1	24.7	0.54
I1	07 Feb 2017	3	15.08	90.80	8.0	33.31	8.1	24.7	0.54
I1	07 Feb 2017	4	15.07	90.87	8.0	33.32	8.1	24.7	0.53
I1	07 Feb 2017	5	15.06	90.87	8.0	33.31	8.1	24.7	0.58
I1	07 Feb 2017	6	15.06	90.86	8.0	33.32	8.1	24.7	0.54
I1	07 Feb 2017	7	15.05	90.84	8.0	33.32	8.1	24.7	0.56
I1	07 Feb 2017	8	15.05	90.87	8.0	33.32	8.1	24.7	0.59
I1	07 Feb 2017	9	15.05	90.84	8.0	33.32	8.1	24.7	0.57
I1	07 Feb 2017	10	15.03	90.83	8.0	33.32	8.1	24.7	0.59
I1	07 Feb 2017	11	15.03	90.84	8.0	33.32	8.1	24.7	0.63
I1	07 Feb 2017	12	15.02	90.82	8.0	33.32	8.1	24.7	0.64
I1	07 Feb 2017	13	15.01	90.79	8.0	33.32	8.1	24.7	0.70
I1	07 Feb 2017	14	15.01	90.83	8.0	33.32	8.1	24.7	0.71
I1	07 Feb 2017	15	15.01	90.81	8.0	33.32	8.1	24.7	0.74
I1	07 Feb 2017	16	15.00	90.76	8.0	33.32	8.1	24.7	0.83
I1	07 Feb 2017	17	15.00	90.86	8.0	33.32	8.1	24.7	0.86
I1	07 Feb 2017	18	15.00	90.84	8.0	33.32	8.1	24.7	0.91
I1	07 Feb 2017	19	15.00	90.83	8.0	33.32	8.1	24.7	0.96
I1	07 Feb 2017	20	15.00	90.90	8.0	33.32	8.1	24.7	0.98
I1	07 Feb 2017	21	15.00	90.68	8.0	33.32	8.1	24.7	1.01
I1	07 Feb 2017	22	15.00	90.83	8.0	33.32	8.1	24.7	1.06
I1	07 Feb 2017	23	15.00	90.89	8.0	33.32	8.1	24.7	1.13
I1	07 Feb 2017	24	15.00	90.84	8.0	33.32	8.1	24.7	1.18
I1	07 Feb 2017	25	14.99	90.83	8.0	33.32	8.1	24.7	1.21
I1	07 Feb 2017	26	14.99	90.86	8.0	33.33	8.1	24.7	1.20
I1	07 Feb 2017	27	14.99	90.85	8.0	33.33	8.1	24.7	1.27
I1	07 Feb 2017	28	14.98	90.87	8.0	33.33	8.1	24.7	1.37
I1	07 Feb 2017	29	14.97	90.89	8.0	33.33	8.1	24.7	1.28
I1	07 Feb 2017	30	14.97	90.98	7.9	33.33	8.1	24.7	1.28
I1	07 Feb 2017	31	14.96	90.96	8.0	33.33	8.1	24.7	1.37
I1	07 Feb 2017	32	14.95	90.96	8.0	33.34	8.1	24.7	1.34
I1	07 Feb 2017	33	14.93	90.99	7.9	33.34	8.1	24.7	1.38
I1	07 Feb 2017	34	14.90	90.97	7.9	33.34	8.1	24.7	1.44
I1	07 Feb 2017	35	14.86	90.98	7.9	33.34	8.1	24.7	1.52
I1	07 Feb 2017	36	14.70	90.97	7.8	33.34	8.1	24.8	1.58
I1	07 Feb 2017	37	14.67	91.05	7.8	33.32	8.1	24.8	1.62
I1	07 Feb 2017	38	14.66	91.04	7.8	33.32	8.1	24.8	1.63
I1	07 Feb 2017	39	14.60	91.16	7.6	33.33	8.1	24.8	1.62
I1	07 Feb 2017	40	14.54	91.36	7.6	33.33	8.1	24.8	1.59
I1	07 Feb 2017	41	14.49	91.49	7.6	33.33	8.1	24.8	1.55
I1	07 Feb 2017	42	14.44	91.67	7.5	33.33	8.1	24.8	1.52
I1	07 Feb 2017	43	14.41	91.79	7.5	33.33	8.1	24.8	1.43
I1	07 Feb 2017	44	14.33	91.87	7.4	33.33	8.1	24.8	1.39
I1	07 Feb 2017	45	14.27	91.95	7.3	33.34	8.1	24.8	1.35
I1	07 Feb 2017	46	14.23	92.05	7.3	33.34	8.1	24.9	1.31
I1	07 Feb 2017	47	14.13	92.02	7.2	33.34	8.1	24.9	1.32
I1	07 Feb 2017	48	13.93	91.78	7.1	33.37	8.0	24.9	1.23
I1	07 Feb 2017	49	13.79	91.17	6.9	33.37	8.0	25.0	1.26
I1	07 Feb 2017	50	13.69	90.96	6.8	33.37	8.0	25.0	1.18
I1	07 Feb 2017	51	13.56	90.84	6.7	33.37	8.0	25.0	1.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I1	07 Feb 2017	52	13.48	90.67	6.5	33.37	8.0	25.0	1.08
I1	07 Feb 2017	53	12.80	89.91	6.1	33.52	8.0	25.3	1.05
I1	07 Feb 2017	54	11.85	82.43	5.5	33.54	7.9	25.5	0.96
I1	07 Feb 2017	55	11.66	73.26	5.1	33.54	7.8	25.5	0.77
I1	07 Feb 2017	56	11.29	67.47	4.8	33.57	7.8	25.6	0.63
I1	07 Feb 2017	57	11.27	69.70	4.7	33.56	7.8	25.6	0.49
I1	07 Feb 2017	58	11.22	70.85	4.7	33.57	7.8	25.6	0.46
I1	07 Feb 2017	59	11.22	71.65	4.7	33.57	7.8	25.6	0.40
I1	07 Feb 2017	60	11.22	71.97	4.7	33.57	7.8	25.6	0.38
I2	07 Feb 2017	1	15.09	90.95	7.9	33.31	8.1	24.6	0.54
I2	07 Feb 2017	2	15.09	91.02	7.9	33.31	8.1	24.6	0.50
I2	07 Feb 2017	3	15.08	90.89	7.9	33.29	8.1	24.6	0.50
I2	07 Feb 2017	4	15.06	90.98	8.0	33.32	8.1	24.7	0.51
I2	07 Feb 2017	5	15.05	91.09	7.9	33.31	8.1	24.7	0.58
I2	07 Feb 2017	6	15.03	91.11	7.9	33.33	8.1	24.7	0.59
I2	07 Feb 2017	7	15.02	91.07	8.0	33.33	8.1	24.7	0.60
I2	07 Feb 2017	8	15.01	91.06	8.0	33.33	8.1	24.7	0.67
I2	07 Feb 2017	9	15.00	90.99	8.0	33.33	8.1	24.7	0.69
I2	07 Feb 2017	10	14.99	91.07	8.0	33.33	8.1	24.7	0.72
I2	07 Feb 2017	11	14.98	91.07	8.0	33.33	8.1	24.7	0.76
I2	07 Feb 2017	12	14.98	91.09	8.0	33.33	8.1	24.7	0.78
I2	07 Feb 2017	13	14.97	91.06	8.0	33.33	8.1	24.7	0.80
I2	07 Feb 2017	14	14.96	91.04	8.0	33.33	8.1	24.7	0.86
I2	07 Feb 2017	15	14.96	91.09	8.0	33.33	8.1	24.7	0.88
I2	07 Feb 2017	16	14.95	91.07	8.0	33.33	8.1	24.7	0.96
I2	07 Feb 2017	17	14.93	91.04	8.0	33.33	8.1	24.7	1.01
I2	07 Feb 2017	18	14.92	91.03	8.0	33.33	8.1	24.7	0.87
I2	07 Feb 2017	19	14.91	91.06	8.0	33.33	8.1	24.7	1.05
I2	07 Feb 2017	20	14.90	91.04	7.9	33.33	8.1	24.7	1.10
I2	07 Feb 2017	21	14.90	91.02	8.0	33.33	8.1	24.7	1.14
I2	07 Feb 2017	22	14.90	90.97	8.0	33.33	8.1	24.7	1.27
I2	07 Feb 2017	23	14.87	90.96	7.9	33.33	8.1	24.7	1.29
I2	07 Feb 2017	24	14.86	90.94	7.9	33.33	8.1	24.7	1.29
I2	07 Feb 2017	25	14.81	90.87	7.9	33.34	8.1	24.7	1.32
I2	07 Feb 2017	26	14.70	90.89	7.7	33.34	8.1	24.8	1.43
I2	07 Feb 2017	27	14.39	90.94	7.5	33.38	8.1	24.9	1.45
I2	07 Feb 2017	28	14.28	90.40	7.3	33.36	8.1	24.9	1.46
I2	07 Feb 2017	29	13.94	90.12	7.0	33.37	8.0	24.9	1.45
I2	07 Feb 2017	30	13.89	89.63	6.9	33.34	8.0	24.9	1.45
I2	07 Feb 2017	31	13.84	89.29	6.8	33.36	8.0	24.9	1.68
I2	07 Feb 2017	32	13.80	89.05	6.7	33.35	8.0	25.0	1.54
I3	07 Feb 2017	1	15.01	90.84	8.0	33.32	8.1	24.7	0.70
I3	07 Feb 2017	2	15.01	85.60	8.0	33.32	8.1	24.7	0.68
I3	07 Feb 2017	3	15.02	88.50	8.0	33.32	8.1	24.7	0.67
I3	07 Feb 2017	4	14.99	90.75	8.0	33.32	8.1	24.7	0.72
I3	07 Feb 2017	5	14.96	91.05	8.0	33.33	8.1	24.7	0.74
I3	07 Feb 2017	6	14.93	91.02	8.0	33.32	8.1	24.7	0.83
I3	07 Feb 2017	7	14.92	90.91	8.0	33.32	8.1	24.7	0.86
I3	07 Feb 2017	8	14.90	90.89	8.0	33.32	8.1	24.7	0.93
I3	07 Feb 2017	9	14.89	90.89	8.0	33.32	8.1	24.7	1.03
I3	07 Feb 2017	10	14.89	90.81	8.0	33.32	8.1	24.7	1.07
I3	07 Feb 2017	11	14.89	90.87	8.0	33.32	8.1	24.7	1.13
I3	07 Feb 2017	12	14.88	90.83	8.0	33.32	8.1	24.7	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I3	07 Feb 2017	13	14.88	90.87	8.0	33.32	8.1	24.7	1.22
I3	07 Feb 2017	14	14.88	90.78	8.0	33.32	8.1	24.7	1.27
I3	07 Feb 2017	15	14.88	90.83	8.0	33.32	8.1	24.7	1.31
I3	07 Feb 2017	16	14.88	90.84	8.0	33.32	8.1	24.7	1.37
I3	07 Feb 2017	17	14.87	90.77	8.0	33.32	8.1	24.7	1.38
I3	07 Feb 2017	18	14.87	90.71	8.0	33.32	8.1	24.7	1.45
I3	07 Feb 2017	19	14.86	90.71	7.9	33.33	8.1	24.7	1.47
I3	07 Feb 2017	20	14.84	90.49	7.9	33.33	8.1	24.7	1.51
I3	07 Feb 2017	21	14.56	90.06	7.6	33.37	8.1	24.8	1.54
I3	07 Feb 2017	22	14.29	87.34	7.3	33.35	8.1	24.9	1.71
I3	07 Feb 2017	23	14.22	85.82	7.2	33.33	8.0	24.9	1.88
I3	07 Feb 2017	24	14.32	85.15	7.2	33.34	8.1	24.8	2.14
I3	07 Feb 2017	25	14.21	84.63	7.1	33.33	8.1	24.9	2.16
I3	07 Feb 2017	26	14.21	84.27	7.1	33.33	8.0	24.9	2.17
I3	07 Feb 2017	27	14.22	84.35	7.2	33.33	8.0	24.8	2.17
I4	07 Feb 2017	1	14.96	79.58	8.0	33.20	8.1	24.6	1.28
I4	07 Feb 2017	2	14.89	85.54	8.0	33.30	8.1	24.7	1.10
I4	07 Feb 2017	3	14.84	87.90	8.0	33.28	8.1	24.7	1.45
I4	07 Feb 2017	4	14.83	87.61	7.9	33.28	8.1	24.7	1.47
I4	07 Feb 2017	5	14.83	87.13	8.0	33.29	8.1	24.7	1.67
I4	07 Feb 2017	6	14.82	86.66	8.0	33.29	8.1	24.7	1.98
I4	07 Feb 2017	7	14.81	86.62	8.0	33.29	8.1	24.7	2.71
I4	07 Feb 2017	8	14.78	86.60	7.9	33.31	8.1	24.7	2.60
I4	07 Feb 2017	9	14.73	85.81	7.8	33.32	8.1	24.7	2.43
I4	07 Feb 2017	10	14.64	84.20	7.8	33.31	8.1	24.7	2.36
I4	07 Feb 2017	11	14.59	81.30	7.8	33.30	8.1	24.7	2.25
I4	07 Feb 2017	12	14.52	78.60	7.6	33.30	8.1	24.8	2.16
I4	07 Feb 2017	13	14.46	75.83	7.6	33.30	8.1	24.8	1.90
I4	07 Feb 2017	14	14.43	70.57	7.5	33.29	8.1	24.8	1.75
I4	07 Feb 2017	15	14.41	63.80	7.5	33.29	8.0	24.8	1.80
I4	07 Feb 2017	16	14.40	61.07	7.5	33.29	8.0	24.8	1.87
I4	07 Feb 2017	17	14.36	61.02	7.4	33.29	8.0	24.8	1.92
I4	07 Feb 2017	18	14.34	54.95	7.3	33.28	8.0	24.8	1.91
I5	07 Feb 2017	1	14.75	NA	7.8	33.24	8.1	24.7	1.68
I5	07 Feb 2017	2	14.74	NA	7.8	33.25	8.1	24.7	1.80
I5	07 Feb 2017	3	14.72	NA	7.8	33.26	8.1	24.7	1.78
I5	07 Feb 2017	4	14.61	NA	7.8	33.28	8.1	24.7	1.93
I5	07 Feb 2017	5	14.49	NA	7.7	33.27	8.1	24.7	2.09
I5	07 Feb 2017	6	14.42	NA	7.6	33.26	8.1	24.8	2.35
I5	07 Feb 2017	7	14.39	NA	7.6	33.26	8.0	24.8	2.57
I5	07 Feb 2017	8	14.36	NA	7.6	33.26	8.0	24.8	2.50
I5	07 Feb 2017	9	14.34	NA	7.6	33.26	8.0	24.8	2.41
I5	07 Feb 2017	10	14.34	NA	7.6	33.27	8.0	24.8	2.30
I5	07 Feb 2017	11	14.33	NA	7.6	33.27	8.0	24.8	2.31
I5	07 Feb 2017	12	14.33	NA	7.5	33.27	8.0	24.8	2.25
I5	07 Feb 2017	13	14.33	NA	7.6	33.27	8.0	24.8	2.13
I6	07 Feb 2017	1	15.05	90.51	8.0	33.28	8.1	24.6	0.65
I6	07 Feb 2017	2	15.06	79.46	7.9	33.29	8.1	24.6	0.72
I6	07 Feb 2017	3	15.03	90.42	8.0	33.30	8.1	24.7	0.69
I6	07 Feb 2017	4	14.91	90.55	7.9	33.31	8.1	24.7	0.73
I6	07 Feb 2017	5	14.89	90.26	8.0	33.29	8.1	24.7	0.81
I6	07 Feb 2017	6	14.88	90.08	8.0	33.29	8.1	24.7	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I6	07 Feb 2017	7	14.87	89.91	8.0	33.29	8.1	24.7	1.07
I6	07 Feb 2017	8	14.87	89.93	8.0	33.29	8.1	24.7	1.18
I6	07 Feb 2017	9	14.87	89.84	8.0	33.30	8.1	24.7	1.26
I6	07 Feb 2017	10	14.86	89.97	8.0	33.30	8.1	24.7	1.30
I6	07 Feb 2017	11	14.86	89.95	7.9	33.30	8.1	24.7	1.47
I6	07 Feb 2017	12	14.86	89.85	8.0	33.30	8.1	24.7	1.55
I6	07 Feb 2017	13	14.86	89.95	8.0	33.30	8.1	24.7	1.62
I6	07 Feb 2017	14	14.86	89.97	7.9	33.30	8.1	24.7	1.86
I6	07 Feb 2017	15	14.86	89.98	7.9	33.30	8.1	24.7	1.77
I6	07 Feb 2017	16	14.85	89.97	7.9	33.30	8.1	24.7	1.72
I6	07 Feb 2017	17	14.85	89.95	8.0	33.30	8.1	24.7	1.70
I6	07 Feb 2017	18	14.85	90.03	7.9	33.31	8.1	24.7	1.68
I6	07 Feb 2017	19	14.84	89.88	7.9	33.31	8.1	24.7	1.67
I6	07 Feb 2017	20	14.83	89.73	7.8	33.32	8.1	24.7	1.65
I6	07 Feb 2017	21	14.77	89.35	7.8	33.32	8.1	24.7	1.65
I6	07 Feb 2017	22	14.59	87.91	7.6	33.36	8.1	24.8	1.71
I6	07 Feb 2017	23	14.37	85.69	7.3	33.34	8.1	24.8	1.66
I6	07 Feb 2017	24	14.35	84.79	7.2	33.33	8.1	24.8	1.93
I6	07 Feb 2017	25	14.35	83.91	7.2	33.33	8.1	24.8	1.93
I7	07 Feb 2017	1	15.03	91.14	8.0	33.32	8.1	24.7	0.67
I7	07 Feb 2017	2	15.03	91.06	8.0	33.32	8.1	24.7	0.64
I7	07 Feb 2017	3	15.03	90.86	8.0	33.32	8.1	24.7	0.70
I7	07 Feb 2017	4	15.03	91.15	8.0	33.32	8.1	24.7	0.73
I7	07 Feb 2017	5	15.02	91.20	8.0	33.32	8.1	24.7	0.79
I7	07 Feb 2017	6	15.01	91.14	8.0	33.32	8.1	24.7	0.79
I7	07 Feb 2017	7	15.01	91.25	8.0	33.32	8.1	24.7	0.83
I7	07 Feb 2017	8	15.00	91.23	7.9	33.32	8.1	24.7	0.90
I7	07 Feb 2017	9	14.99	91.19	7.9	33.33	8.1	24.7	0.88
I7	07 Feb 2017	10	14.99	91.24	8.0	33.32	8.1	24.7	0.93
I7	07 Feb 2017	11	14.98	91.24	8.0	33.32	8.1	24.7	1.02
I7	07 Feb 2017	12	14.98	91.25	8.0	33.32	8.1	24.7	1.03
I7	07 Feb 2017	13	14.97	91.24	7.9	33.33	8.1	24.7	1.07
I7	07 Feb 2017	14	14.97	91.24	8.0	33.33	8.1	24.7	1.07
I7	07 Feb 2017	15	14.96	91.21	8.0	33.33	8.1	24.7	1.14
I7	07 Feb 2017	16	14.96	91.20	7.9	33.33	8.1	24.7	1.14
I7	07 Feb 2017	17	14.95	91.23	8.0	33.33	8.1	24.7	1.19
I7	07 Feb 2017	18	14.95	91.22	8.0	33.33	8.1	24.7	1.23
I7	07 Feb 2017	19	14.95	91.22	8.0	33.33	8.1	24.7	1.23
I7	07 Feb 2017	20	14.95	91.22	8.0	33.33	8.1	24.7	1.28
I7	07 Feb 2017	21	14.94	91.24	8.0	33.33	8.1	24.7	1.27
I7	07 Feb 2017	22	14.93	91.24	7.9	33.33	8.1	24.7	1.27
I7	07 Feb 2017	23	14.92	91.21	8.0	33.33	8.1	24.7	1.28
I7	07 Feb 2017	24	14.91	91.18	8.0	33.33	8.1	24.7	1.33
I7	07 Feb 2017	25	14.89	91.13	8.0	33.33	8.1	24.7	1.33
I7	07 Feb 2017	26	14.87	91.22	7.9	33.33	8.1	24.7	1.40
I7	07 Feb 2017	27	14.86	91.29	7.9	33.33	8.1	24.7	1.43
I7	07 Feb 2017	28	14.81	91.43	7.9	33.34	8.1	24.7	1.38
I7	07 Feb 2017	29	14.74	91.48	7.8	33.34	8.1	24.7	1.39
I7	07 Feb 2017	30	14.71	91.55	7.8	33.34	8.1	24.8	1.41
I7	07 Feb 2017	31	14.58	91.68	7.7	33.35	8.1	24.8	1.47
I7	07 Feb 2017	32	14.55	91.90	7.6	33.34	8.1	24.8	1.45
I7	07 Feb 2017	33	14.53	92.00	7.6	33.34	8.1	24.8	1.41
I7	07 Feb 2017	34	14.53	92.05	7.6	33.33	8.1	24.8	1.39
I7	07 Feb 2017	35	14.44	92.01	7.4	33.35	8.1	24.8	1.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I7	07 Feb 2017	36	14.21	92.27	7.3	33.34	8.1	24.9	1.32
I7	07 Feb 2017	37	14.21	92.34	7.2	33.33	8.0	24.9	1.23
I7	07 Feb 2017	38	14.01	92.35	7.1	33.35	8.0	24.9	1.24
I7	07 Feb 2017	39	13.92	92.34	7.0	33.33	8.0	24.9	1.22
I7	07 Feb 2017	40	13.86	92.31	6.9	33.34	8.0	24.9	1.27
I7	07 Feb 2017	41	13.73	92.25	6.9	33.34	8.0	25.0	1.18
I7	07 Feb 2017	42	13.65	92.08	6.8	33.35	8.0	25.0	1.12
I7	07 Feb 2017	43	13.41	91.15	6.6	33.35	8.0	25.0	1.15
I7	07 Feb 2017	44	13.42	90.60	6.6	33.35	8.0	25.0	1.10
I7	07 Feb 2017	45	13.40	90.42	6.5	33.35	8.0	25.0	1.13
I7	07 Feb 2017	46	13.39	90.22	6.5	33.35	8.0	25.0	1.12
I7	07 Feb 2017	47	13.39	90.01	6.5	33.36	8.0	25.0	1.09
I7	07 Feb 2017	48	13.32	89.55	6.4	33.36	8.0	25.1	1.11
I7	07 Feb 2017	49	13.20	88.77	6.3	33.39	8.0	25.1	1.09
I7	07 Feb 2017	50	13.03	88.40	6.1	33.38	8.0	25.1	1.08
I7	07 Feb 2017	51	13.03	88.02	6.0	33.38	7.9	25.1	1.05
I8	07 Feb 2017	1	15.12	89.26	8.0	33.32	8.1	24.7	0.43
I8	07 Feb 2017	2	15.11	84.83	8.0	33.32	8.1	24.7	0.45
I8	07 Feb 2017	3	15.10	89.03	8.0	33.33	8.1	24.7	0.47
I8	07 Feb 2017	4	15.04	90.67	8.0	33.33	8.1	24.7	0.46
I8	07 Feb 2017	5	15.03	90.69	8.0	33.32	8.1	24.7	0.50
I8	07 Feb 2017	6	15.01	90.62	8.0	33.33	8.1	24.7	0.54
I8	07 Feb 2017	7	14.98	90.75	8.0	33.33	8.1	24.7	0.54
I8	07 Feb 2017	8	14.98	90.69	8.0	33.32	8.1	24.7	0.55
I8	07 Feb 2017	9	14.98	90.66	8.0	33.32	8.1	24.7	0.57
I8	07 Feb 2017	10	14.96	90.62	8.0	33.33	8.1	24.7	0.65
I8	07 Feb 2017	11	14.95	90.55	8.0	33.33	8.1	24.7	0.65
I8	07 Feb 2017	12	14.94	90.54	8.0	33.33	8.1	24.7	0.73
I8	07 Feb 2017	13	14.92	90.55	8.0	33.33	8.1	24.7	0.77
I8	07 Feb 2017	14	14.91	90.49	8.0	33.33	8.1	24.7	0.82
I8	07 Feb 2017	15	14.90	90.38	8.0	33.33	8.1	24.7	0.86
I8	07 Feb 2017	16	14.90	90.38	8.0	33.33	8.1	24.7	1.00
I8	07 Feb 2017	17	14.89	90.33	8.0	33.33	8.1	24.7	1.09
I8	07 Feb 2017	18	14.89	90.33	8.0	33.33	8.1	24.7	1.15
I8	07 Feb 2017	19	14.88	90.30	8.0	33.33	8.1	24.7	1.20
I8	07 Feb 2017	20	14.88	90.23	8.0	33.33	8.1	24.7	1.29
I8	07 Feb 2017	21	14.87	90.23	8.0	33.33	8.1	24.7	1.39
I8	07 Feb 2017	22	14.86	90.28	8.0	33.33	8.1	24.7	1.48
I8	07 Feb 2017	23	14.84	90.27	8.0	33.33	8.1	24.7	1.57
I8	07 Feb 2017	24	14.78	90.15	7.9	33.34	8.1	24.7	1.67
I8	07 Feb 2017	25	14.68	90.33	7.8	33.34	8.1	24.8	1.69
I8	07 Feb 2017	26	14.64	90.53	7.7	33.34	8.1	24.8	1.72
I8	07 Feb 2017	27	14.57	90.69	7.6	33.34	8.1	24.8	1.69
I8	07 Feb 2017	28	14.47	90.87	7.6	33.34	8.1	24.8	1.66
I8	07 Feb 2017	29	14.46	91.15	7.6	33.34	8.1	24.8	1.61
I8	07 Feb 2017	30	14.29	91.37	7.4	33.35	8.1	24.8	1.62
I8	07 Feb 2017	31	14.02	91.31	7.2	33.37	8.1	24.9	1.56
I8	07 Feb 2017	32	13.83	90.67	6.9	33.36	8.0	25.0	1.55
I8	07 Feb 2017	33	13.75	89.86	6.8	33.34	8.0	25.0	1.57
I8	07 Feb 2017	34	13.73	89.56	6.7	33.34	8.0	25.0	1.50
I8	07 Feb 2017	35	13.72	89.31	6.7	33.34	8.0	25.0	1.46
I9	07 Feb 2017	1	15.08	84.06	8.0	33.32	8.1	24.7	0.73
I9	07 Feb 2017	2	15.08	70.80	8.0	33.31	8.1	24.7	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I9	07 Feb 2017	3	15.07	83.99	8.0	33.32	8.1	24.7	0.80
I9	07 Feb 2017	4	15.06	89.61	8.0	33.32	8.1	24.7	0.81
I9	07 Feb 2017	5	15.04	90.56	8.0	33.33	8.1	24.7	0.84
I9	07 Feb 2017	6	15.01	90.38	8.0	33.32	8.1	24.7	0.89
I9	07 Feb 2017	7	15.00	90.40	8.0	33.32	8.1	24.7	0.94
I9	07 Feb 2017	8	14.90	90.16	8.0	33.32	8.1	24.7	0.98
I9	07 Feb 2017	9	14.90	90.04	8.0	33.32	8.1	24.7	1.11
I9	07 Feb 2017	10	14.90	90.11	8.0	33.32	8.1	24.7	1.18
I9	07 Feb 2017	11	14.90	90.20	8.0	33.33	8.1	24.7	1.23
I9	07 Feb 2017	12	14.89	90.27	8.0	33.33	8.1	24.7	1.24
I9	07 Feb 2017	13	14.89	90.28	8.0	33.33	8.1	24.7	1.27
I9	07 Feb 2017	14	14.88	90.18	8.0	33.33	8.1	24.7	1.28
I9	07 Feb 2017	15	14.88	90.17	8.0	33.33	8.1	24.7	1.39
I9	07 Feb 2017	16	14.88	90.09	8.0	33.33	8.1	24.7	1.41
I9	07 Feb 2017	17	14.87	90.02	8.0	33.33	8.1	24.7	1.48
I9	07 Feb 2017	18	14.87	90.15	8.0	33.33	8.1	24.7	1.60
I9	07 Feb 2017	19	14.87	90.29	8.0	33.33	8.1	24.7	1.67
I9	07 Feb 2017	20	14.85	90.35	8.0	33.33	8.1	24.7	1.68
I9	07 Feb 2017	21	14.81	90.30	7.9	33.33	8.1	24.7	1.67
I9	07 Feb 2017	22	14.79	90.28	7.9	33.33	8.1	24.7	1.69
I9	07 Feb 2017	23	14.74	90.22	7.8	33.33	8.1	24.7	1.65
I9	07 Feb 2017	24	14.56	89.76	7.6	33.34	8.1	24.8	1.65
I9	07 Feb 2017	25	14.50	89.15	7.5	33.33	8.1	24.8	1.80
I9	07 Feb 2017	26	14.43	89.05	7.4	33.35	8.1	24.8	1.96
I9	07 Feb 2017	27	14.15	88.05	7.2	33.34	8.1	24.9	1.92
I9	07 Feb 2017	28	14.18	87.29	7.2	33.34	8.0	24.9	1.92
I9	07 Feb 2017	29	14.13	86.19	7.1	33.32	8.0	24.9	1.96
I10	07 Feb 2017	1	15.01	89.26	8.0	33.29	8.1	24.7	0.91
I10	07 Feb 2017	2	15.01	87.70	8.0	33.29	8.1	24.6	0.91
I10	07 Feb 2017	3	15.01	88.70	8.0	33.29	8.1	24.7	0.92
I10	07 Feb 2017	4	15.02	90.21	8.0	33.29	8.1	24.6	0.96
I10	07 Feb 2017	5	14.98	90.29	7.9	33.30	8.1	24.7	0.93
I10	07 Feb 2017	6	14.90	90.16	8.0	33.29	8.1	24.7	1.05
I10	07 Feb 2017	7	14.92	90.03	8.0	33.29	8.1	24.7	1.07
I10	07 Feb 2017	8	14.87	89.98	7.9	33.30	8.1	24.7	1.15
I10	07 Feb 2017	9	14.86	89.51	8.0	33.30	8.1	24.7	1.29
I10	07 Feb 2017	10	14.86	89.07	7.9	33.30	8.1	24.7	1.47
I10	07 Feb 2017	11	14.86	88.69	7.9	33.31	8.1	24.7	1.56
I10	07 Feb 2017	12	14.86	88.11	7.9	33.31	8.1	24.7	1.65
I10	07 Feb 2017	13	14.85	87.64	7.9	33.31	8.1	24.7	1.75
I10	07 Feb 2017	14	14.82	86.91	7.9	33.31	8.1	24.7	1.78
I10	07 Feb 2017	15	14.77	86.04	7.8	33.31	8.1	24.7	1.84
I10	07 Feb 2017	16	14.73	83.99	7.7	33.31	8.1	24.7	1.84
I10	07 Feb 2017	17	14.55	82.61	7.3	33.33	8.1	24.8	1.76
I10	07 Feb 2017	18	14.51	65.21	7.0	33.30	8.0	24.8	1.83
I10	07 Feb 2017	19	14.48	58.38	7.0	33.31	8.0	24.8	1.91
I11	07 Feb 2017	1	14.96	64.46	8.0	33.22	8.1	24.6	1.45
I11	07 Feb 2017	2	14.91	85.33	8.0	33.30	8.1	24.7	1.44
I11	07 Feb 2017	3	14.86	86.80	8.0	33.30	8.1	24.7	1.40
I11	07 Feb 2017	4	14.84	86.62	8.0	33.29	8.1	24.7	1.53
I11	07 Feb 2017	5	14.83	86.00	8.0	33.29	8.1	24.7	1.72
I11	07 Feb 2017	6	14.81	85.56	8.0	33.29	8.1	24.7	2.02
I11	07 Feb 2017	7	14.78	85.10	7.9	33.29	8.1	24.7	2.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I11	07 Feb 2017	8	14.76	84.37	7.9	33.29	8.1	24.7	2.17
I11	07 Feb 2017	9	14.73	83.33	7.9	33.29	8.1	24.7	2.19
I11	07 Feb 2017	10	14.71	82.41	7.8	33.29	8.1	24.7	2.22
I11	07 Feb 2017	11	14.66	80.42	7.7	33.30	8.1	24.7	2.11
I11	07 Feb 2017	12	14.66	70.22	7.7	33.29	8.1	24.7	1.87
I11	07 Feb 2017	13	14.66	61.92	7.7	33.29	8.1	24.7	1.97
I12	08 Feb 2017	1	15.08	85.94	8.0	33.24	8.1	24.6	0.47
I12	08 Feb 2017	2	15.06	86.47	8.1	33.25	8.1	24.6	0.47
I12	08 Feb 2017	3	15.04	86.79	8.1	33.27	8.1	24.6	0.48
I12	08 Feb 2017	4	14.99	87.36	8.1	33.32	8.1	24.7	0.48
I12	08 Feb 2017	5	14.98	89.11	8.1	33.32	8.1	24.7	0.50
I12	08 Feb 2017	6	14.97	90.05	8.1	33.32	8.1	24.7	0.48
I12	08 Feb 2017	7	14.97	90.35	8.0	33.32	8.1	24.7	0.51
I12	08 Feb 2017	8	14.96	90.38	8.0	33.32	8.1	24.7	0.53
I12	08 Feb 2017	9	14.96	90.35	8.0	33.32	8.1	24.7	0.55
I12	08 Feb 2017	10	14.95	90.39	8.0	33.32	8.1	24.7	0.60
I12	08 Feb 2017	11	14.94	90.61	8.0	33.33	8.1	24.7	0.63
I12	08 Feb 2017	12	14.93	90.71	8.0	33.33	8.1	24.7	0.68
I12	08 Feb 2017	13	14.92	90.79	8.0	33.33	8.1	24.7	0.72
I12	08 Feb 2017	14	14.87	90.58	8.0	33.32	8.1	24.7	0.80
I12	08 Feb 2017	15	14.87	90.37	8.0	33.31	8.1	24.7	0.90
I12	08 Feb 2017	16	14.87	90.34	8.0	33.31	8.1	24.7	1.06
I12	08 Feb 2017	17	14.89	90.36	8.0	33.32	8.1	24.7	1.05
I12	08 Feb 2017	18	14.89	90.49	8.0	33.33	8.1	24.7	1.13
I12	08 Feb 2017	19	14.86	90.51	8.0	33.33	8.1	24.7	1.27
I12	08 Feb 2017	20	14.84	90.47	8.0	33.33	8.1	24.7	1.34
I12	08 Feb 2017	21	14.77	90.22	7.9	33.34	8.1	24.7	1.44
I12	08 Feb 2017	22	14.57	89.56	7.7	33.31	8.1	24.8	1.54
I12	08 Feb 2017	23	14.53	89.35	7.6	33.31	8.1	24.8	1.62
I12	08 Feb 2017	24	14.36	88.80	7.4	33.33	8.1	24.8	1.75
I12	08 Feb 2017	25	14.19	87.78	7.2	33.33	8.1	24.9	1.79
I12	08 Feb 2017	26	14.20	86.95	7.2	33.32	8.1	24.8	1.79
I12	08 Feb 2017	27	14.14	86.61	7.1	33.33	8.1	24.9	1.81
I12	08 Feb 2017	28	14.13	86.15	7.0	33.33	8.1	24.9	1.82
I13	07 Feb 2017	1	15.17	65.95	8.0	33.29	8.1	24.6	0.61
I13	07 Feb 2017	2	15.17	72.02	8.0	33.28	8.1	24.6	0.60
I13	07 Feb 2017	3	15.17	80.15	8.0	33.33	8.1	24.6	0.62
I13	07 Feb 2017	4	15.13	84.77	8.0	33.33	8.1	24.7	0.61
I13	07 Feb 2017	5	15.07	90.35	8.0	33.34	8.1	24.7	0.63
I13	07 Feb 2017	6	15.05	90.95	8.0	33.33	8.1	24.7	0.70
I13	07 Feb 2017	7	15.02	90.79	8.0	33.33	8.1	24.7	0.75
I13	07 Feb 2017	8	14.99	90.78	8.0	33.33	8.1	24.7	0.81
I13	07 Feb 2017	9	14.98	90.80	8.0	33.33	8.1	24.7	0.84
I13	07 Feb 2017	10	14.97	90.71	8.0	33.33	8.1	24.7	0.87
I13	07 Feb 2017	11	14.97	90.67	8.0	33.33	8.1	24.7	0.95
I13	07 Feb 2017	12	14.96	90.72	8.0	33.33	8.1	24.7	1.01
I13	07 Feb 2017	13	14.95	90.71	8.0	33.33	8.1	24.7	1.05
I13	07 Feb 2017	14	14.94	90.54	8.0	33.33	8.1	24.7	1.09
I13	07 Feb 2017	15	14.93	90.62	8.0	33.33	8.1	24.7	1.15
I13	07 Feb 2017	16	14.91	90.63	8.0	33.33	8.1	24.7	1.27
I13	07 Feb 2017	17	14.89	90.54	8.0	33.33	8.1	24.7	1.30
I13	07 Feb 2017	18	14.88	90.51	8.0	33.33	8.1	24.7	1.40
I13	07 Feb 2017	19	14.87	90.50	8.0	33.33	8.1	24.7	1.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I13	07 Feb 2017	20	14.87	90.50	8.0	33.33	8.1	24.7	1.53
I13	07 Feb 2017	21	14.86	90.55	8.0	33.33	8.1	24.7	1.59
I13	07 Feb 2017	22	14.83	90.47	8.0	33.33	8.1	24.7	1.65
I13	07 Feb 2017	23	14.82	90.36	8.0	33.33	8.1	24.7	1.72
I13	07 Feb 2017	24	14.80	90.44	8.0	33.33	8.1	24.7	1.78
I13	07 Feb 2017	25	14.79	90.51	7.9	33.33	8.1	24.7	1.76
I13	07 Feb 2017	26	14.77	90.53	7.9	33.33	8.1	24.7	1.77
I13	07 Feb 2017	27	14.77	90.61	7.9	33.33	8.1	24.7	1.79
I13	07 Feb 2017	28	14.72	90.66	7.9	33.34	8.1	24.8	1.74
I13	07 Feb 2017	29	14.66	90.80	7.8	33.34	8.1	24.8	1.74
I13	07 Feb 2017	30	14.57	91.07	7.7	33.34	8.1	24.8	1.67
I13	07 Feb 2017	31	14.54	91.19	7.7	33.33	8.1	24.8	1.60
I13	07 Feb 2017	32	14.36	91.22	7.5	33.36	8.1	24.8	1.55
I13	07 Feb 2017	33	13.96	91.37	7.2	33.37	8.1	24.9	1.51
I13	07 Feb 2017	34	13.85	90.68	6.9	33.34	8.0	24.9	1.48
I13	07 Feb 2017	35	13.74	90.31	6.8	33.35	8.0	25.0	1.48
I13	07 Feb 2017	36	13.67	89.38	6.7	33.34	8.0	25.0	1.44
I13	07 Feb 2017	37	13.56	89.46	6.6	33.37	8.0	25.0	1.44
I14	08 Feb 2017	1	15.28	90.41	8.1	33.31	8.1	24.6	0.43
I14	08 Feb 2017	2	15.29	90.42	8.1	33.31	8.1	24.6	0.43
I14	08 Feb 2017	3	15.21	90.37	8.0	33.33	8.1	24.6	0.42
I14	08 Feb 2017	4	15.11	90.30	8.0	33.33	8.1	24.7	0.45
I14	08 Feb 2017	5	15.00	90.23	8.1	33.32	8.1	24.7	0.50
I14	08 Feb 2017	6	14.99	90.05	8.1	33.32	8.1	24.7	0.53
I14	08 Feb 2017	7	14.98	90.10	8.1	33.32	8.1	24.7	0.59
I14	08 Feb 2017	8	14.96	90.15	8.1	33.32	8.1	24.7	0.63
I14	08 Feb 2017	9	14.96	90.20	8.1	33.32	8.1	24.7	0.68
I14	08 Feb 2017	10	14.96	90.37	8.0	33.32	8.1	24.7	0.73
I14	08 Feb 2017	11	14.96	90.53	8.0	33.33	8.1	24.7	0.81
I14	08 Feb 2017	12	14.95	90.69	8.0	33.33	8.1	24.7	0.81
I14	08 Feb 2017	13	14.95	90.72	8.0	33.33	8.1	24.7	0.87
I14	08 Feb 2017	14	14.93	90.66	8.0	33.33	8.1	24.7	0.96
I14	08 Feb 2017	15	14.89	90.56	8.0	33.33	8.1	24.7	0.98
I14	08 Feb 2017	16	14.87	90.45	8.0	33.33	8.1	24.7	1.10
I14	08 Feb 2017	17	14.84	90.47	8.0	33.33	8.1	24.7	1.15
I14	08 Feb 2017	18	14.78	90.27	7.9	33.33	8.1	24.7	1.31
I14	08 Feb 2017	19	14.62	90.25	7.8	33.34	8.1	24.8	1.39
I14	08 Feb 2017	20	14.58	90.32	7.8	33.33	8.1	24.8	1.42
I14	08 Feb 2017	21	14.54	90.44	7.8	33.33	8.1	24.8	1.47
I14	08 Feb 2017	22	14.50	90.48	7.7	33.33	8.1	24.8	1.59
I14	08 Feb 2017	23	14.38	90.47	7.5	33.34	8.1	24.8	1.58
I14	08 Feb 2017	24	14.17	90.27	7.3	33.35	8.1	24.9	1.62
I14	08 Feb 2017	25	14.09	87.87	7.1	33.34	8.1	24.9	1.76
I14	08 Feb 2017	26	14.06	85.48	7.0	33.33	8.1	24.9	1.85
I14	08 Feb 2017	27	14.04	84.59	7.0	33.34	8.1	24.9	1.87
I14	08 Feb 2017	28	14.02	84.02	7.0	33.33	8.1	24.9	1.83
I15	08 Feb 2017	1	15.24	88.71	8.0	33.32	8.1	24.6	0.39
I15	08 Feb 2017	2	15.22	88.84	8.0	33.33	8.1	24.6	0.40
I15	08 Feb 2017	3	15.09	88.37	8.0	33.34	8.1	24.7	0.41
I15	08 Feb 2017	4	15.02	89.06	8.0	33.33	8.1	24.7	0.41
I15	08 Feb 2017	5	15.01	89.76	8.0	33.33	8.1	24.7	0.42
I15	08 Feb 2017	6	15.00	89.67	8.0	33.33	8.1	24.7	0.44
I15	08 Feb 2017	7	15.00	89.69	8.0	33.33	8.1	24.7	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I15	08 Feb 2017	8	14.99	89.70	8.0	33.33	8.1	24.7	0.53
I15	08 Feb 2017	9	14.98	89.75	8.0	33.33	8.1	24.7	0.55
I15	08 Feb 2017	10	14.98	89.89	8.0	33.33	8.1	24.7	0.62
I15	08 Feb 2017	11	14.98	89.90	8.0	33.33	8.1	24.7	0.65
I15	08 Feb 2017	12	14.98	90.04	8.0	33.33	8.1	24.7	0.70
I15	08 Feb 2017	13	14.97	90.25	8.0	33.33	8.1	24.7	0.72
I15	08 Feb 2017	14	14.97	90.30	8.0	33.33	8.1	24.7	0.78
I15	08 Feb 2017	15	14.96	90.29	8.0	33.33	8.1	24.7	0.85
I15	08 Feb 2017	16	14.95	90.35	8.0	33.33	8.1	24.7	0.93
I15	08 Feb 2017	17	14.93	90.38	8.0	33.33	8.1	24.7	0.96
I15	08 Feb 2017	18	14.93	90.31	8.0	33.33	8.1	24.7	1.05
I15	08 Feb 2017	19	14.91	90.38	8.0	33.33	8.1	24.7	1.14
I15	08 Feb 2017	20	14.88	90.32	8.0	33.34	8.1	24.7	1.25
I15	08 Feb 2017	21	14.77	90.21	7.9	33.34	8.1	24.7	1.35
I15	08 Feb 2017	22	14.74	90.24	7.9	33.33	8.1	24.7	1.45
I15	08 Feb 2017	23	14.71	90.46	7.8	33.33	8.1	24.8	1.47
I15	08 Feb 2017	24	14.62	90.52	7.8	33.33	8.1	24.8	1.49
I15	08 Feb 2017	25	14.61	90.57	7.8	33.34	8.1	24.8	1.61
I15	08 Feb 2017	26	14.47	90.63	7.7	33.34	8.1	24.8	1.55
I15	08 Feb 2017	27	14.39	90.66	7.5	33.34	8.1	24.8	1.61
I15	08 Feb 2017	28	14.22	90.59	7.3	33.36	8.1	24.9	1.67
I15	08 Feb 2017	29	14.04	89.76	7.1	33.35	8.1	24.9	1.70
I15	08 Feb 2017	30	14.00	87.80	6.9	33.34	8.1	24.9	1.71
I15	08 Feb 2017	31	13.97	85.99	6.9	33.34	8.1	24.9	1.80
I16	08 Feb 2017	1	15.08	87.41	8.0	33.24	8.1	24.6	0.63
I16	08 Feb 2017	2	15.07	87.39	8.0	33.26	8.1	24.6	0.64
I16	08 Feb 2017	3	15.03	87.50	8.0	33.30	8.1	24.7	0.66
I16	08 Feb 2017	4	15.02	88.79	8.0	33.30	8.1	24.7	0.70
I16	08 Feb 2017	5	14.98	89.35	8.0	33.32	8.1	24.7	0.74
I16	08 Feb 2017	6	14.97	89.86	8.0	33.32	8.1	24.7	0.76
I16	08 Feb 2017	7	14.96	90.36	8.0	33.32	8.1	24.7	0.79
I16	08 Feb 2017	8	14.95	90.57	8.0	33.33	8.1	24.7	0.86
I16	08 Feb 2017	9	14.95	90.76	8.0	33.33	8.1	24.7	0.85
I16	08 Feb 2017	10	14.95	90.84	8.0	33.33	8.1	24.7	0.90
I16	08 Feb 2017	11	14.94	90.93	8.0	33.33	8.1	24.7	0.92
I16	08 Feb 2017	12	14.94	90.88	8.0	33.33	8.1	24.7	0.95
I16	08 Feb 2017	13	14.93	90.82	8.0	33.33	8.1	24.7	1.00
I16	08 Feb 2017	14	14.92	90.74	8.0	33.33	8.1	24.7	1.07
I16	08 Feb 2017	15	14.91	90.79	8.0	33.33	8.1	24.7	1.12
I16	08 Feb 2017	16	14.89	90.73	8.0	33.33	8.1	24.7	1.17
I16	08 Feb 2017	17	14.84	90.72	8.0	33.34	8.1	24.7	1.27
I16	08 Feb 2017	18	14.76	90.68	7.9	33.33	8.1	24.7	1.38
I16	08 Feb 2017	19	14.68	90.60	7.9	33.34	8.1	24.8	1.48
I16	08 Feb 2017	20	14.62	90.43	7.8	33.34	8.1	24.8	1.56
I16	08 Feb 2017	21	14.57	90.46	7.8	33.33	8.1	24.8	1.63
I16	08 Feb 2017	22	14.53	90.50	7.7	33.33	8.1	24.8	1.74
I16	08 Feb 2017	23	14.43	90.45	7.6	33.35	8.1	24.8	1.86
I16	08 Feb 2017	24	14.12	89.26	7.2	33.35	8.1	24.9	1.82
I16	08 Feb 2017	25	14.06	86.94	7.0	33.34	8.1	24.9	1.84
I16	08 Feb 2017	26	14.05	84.70	7.0	33.33	8.1	24.9	1.88
I16	08 Feb 2017	27	14.06	83.91	7.0	33.33	8.1	24.9	1.88
I16	08 Feb 2017	28	14.02	83.40	6.9	33.34	8.0	24.9	1.91
I17	08 Feb 2017	1	15.04	84.04	8.0	33.17	8.1	24.6	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I17	08 Feb 2017	2	15.03	83.60	8.1	33.23	8.1	24.6	0.59
I17	08 Feb 2017	3	15.01	85.35	8.1	33.30	8.1	24.7	0.58
I17	08 Feb 2017	4	15.00	88.59	8.1	33.31	8.1	24.7	0.59
I17	08 Feb 2017	5	14.99	90.09	8.1	33.31	8.1	24.7	0.61
I17	08 Feb 2017	6	14.97	90.38	8.1	33.32	8.1	24.7	0.64
I17	08 Feb 2017	7	14.95	90.59	8.1	33.33	8.1	24.7	0.66
I17	08 Feb 2017	8	14.92	90.84	8.1	33.33	8.1	24.7	0.72
I17	08 Feb 2017	9	14.91	91.00	8.0	33.33	8.1	24.7	0.75
I17	08 Feb 2017	10	14.90	90.94	8.0	33.32	8.1	24.7	0.79
I17	08 Feb 2017	11	14.89	90.89	8.0	33.32	8.1	24.7	0.86
I17	08 Feb 2017	12	14.88	90.92	8.0	33.32	8.1	24.7	0.91
I17	08 Feb 2017	13	14.87	90.90	8.0	33.32	8.1	24.7	0.97
I17	08 Feb 2017	14	14.84	90.86	8.0	33.33	8.1	24.7	1.08
I17	08 Feb 2017	15	14.78	90.62	7.9	33.33	8.1	24.7	1.21
I17	08 Feb 2017	16	14.70	90.31	7.8	33.33	8.1	24.8	1.35
I17	08 Feb 2017	17	14.64	90.06	7.8	33.33	8.1	24.8	1.52
I17	08 Feb 2017	18	14.60	89.73	7.7	33.33	8.1	24.8	1.56
I17	08 Feb 2017	19	14.56	89.59	7.7	33.33	8.1	24.8	1.70
I17	08 Feb 2017	20	14.49	89.63	7.6	33.33	8.1	24.8	1.77
I17	08 Feb 2017	21	14.41	88.41	7.5	33.34	8.1	24.8	1.77
I17	08 Feb 2017	22	14.22	88.82	7.2	33.35	8.1	24.9	1.83
I17	08 Feb 2017	23	14.13	87.42	7.0	33.33	8.1	24.9	1.91
I17	08 Feb 2017	24	14.11	83.30	7.0	33.33	8.1	24.9	1.87
I17	08 Feb 2017	25	14.10	82.73	6.9	33.33	8.1	24.9	1.91
I18	08 Feb 2017	1	14.98	82.08	8.1	33.26	8.1	24.6	1.14
I18	08 Feb 2017	2	14.98	82.74	8.1	33.28	8.1	24.6	1.18
I18	08 Feb 2017	3	14.95	85.39	8.0	33.31	8.1	24.7	1.22
I18	08 Feb 2017	4	14.94	87.46	8.0	33.32	8.1	24.7	1.26
I18	08 Feb 2017	5	14.92	88.66	8.0	33.32	8.1	24.7	1.25
I18	08 Feb 2017	6	14.92	89.00	8.0	33.32	8.1	24.7	1.39
I18	08 Feb 2017	7	14.91	88.98	8.0	33.32	8.1	24.7	1.44
I18	08 Feb 2017	8	14.90	88.56	8.0	33.32	8.1	24.7	1.56
I18	08 Feb 2017	9	14.88	88.63	8.0	33.32	8.1	24.7	1.63
I18	08 Feb 2017	10	14.87	88.33	7.9	33.32	8.1	24.7	1.67
I18	08 Feb 2017	11	14.84	88.12	7.9	33.32	8.1	24.7	1.71
I18	08 Feb 2017	12	14.83	87.59	7.8	33.32	8.1	24.7	1.78
I18	08 Feb 2017	13	14.81	87.35	7.8	33.32	8.1	24.7	1.77
I18	08 Feb 2017	14	14.79	87.19	7.8	33.33	8.1	24.7	1.76
I18	08 Feb 2017	15	14.75	86.86	7.7	33.33	8.1	24.7	1.79
I18	08 Feb 2017	16	14.71	86.38	7.6	33.33	8.1	24.7	1.84
I18	08 Feb 2017	17	14.68	85.85	7.5	33.33	8.1	24.8	1.86
I18	08 Feb 2017	18	14.51	85.23	7.4	33.35	8.1	24.8	1.93
I18	08 Feb 2017	19	14.42	83.19	7.2	33.33	8.1	24.8	1.92
I20	07 Feb 2017	1	15.03	90.35	8.0	33.33	8.1	24.7	0.57
I20	07 Feb 2017	2	15.02	90.58	8.0	33.32	8.1	24.7	0.57
I20	07 Feb 2017	3	15.02	91.14	8.0	33.33	8.1	24.7	0.61
I20	07 Feb 2017	4	15.02	91.11	8.0	33.33	8.1	24.7	0.61
I20	07 Feb 2017	5	15.02	91.08	8.0	33.33	8.1	24.7	0.63
I20	07 Feb 2017	6	15.01	91.08	8.0	33.33	8.1	24.7	0.63
I20	07 Feb 2017	7	15.01	91.08	8.0	33.33	8.1	24.7	0.63
I20	07 Feb 2017	8	15.00	91.09	8.0	33.33	8.1	24.7	0.67
I20	07 Feb 2017	9	15.00	91.08	8.0	33.33	8.1	24.7	0.70
I20	07 Feb 2017	10	14.99	91.09	8.0	33.33	8.1	24.7	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I20	07 Feb 2017	11	14.98	91.08	8.0	33.33	8.1	24.7	0.79
I20	07 Feb 2017	12	14.95	91.17	8.0	33.34	8.1	24.7	0.83
I20	07 Feb 2017	13	14.93	91.25	8.0	33.34	8.1	24.7	0.89
I20	07 Feb 2017	14	14.90	91.34	8.0	33.34	8.1	24.7	0.94
I20	07 Feb 2017	15	14.88	91.38	8.0	33.34	8.1	24.7	1.01
I20	07 Feb 2017	16	14.86	91.43	8.0	33.33	8.1	24.7	1.03
I20	07 Feb 2017	17	14.86	91.47	7.9	33.33	8.1	24.7	1.05
I20	07 Feb 2017	18	14.85	91.53	7.9	33.33	8.1	24.7	1.06
I20	07 Feb 2017	19	14.85	91.52	7.9	33.33	8.1	24.7	1.09
I20	07 Feb 2017	20	14.84	91.58	7.9	33.33	8.1	24.7	1.11
I20	07 Feb 2017	21	14.83	91.66	7.9	33.34	8.1	24.7	1.20
I20	07 Feb 2017	22	14.82	91.71	7.9	33.34	8.1	24.7	1.15
I20	07 Feb 2017	23	14.80	91.78	7.9	33.34	8.1	24.7	1.16
I20	07 Feb 2017	24	14.78	91.87	7.9	33.34	8.1	24.7	1.18
I20	07 Feb 2017	25	14.77	91.93	7.9	33.34	8.1	24.7	1.20
I20	07 Feb 2017	26	14.75	92.02	7.9	33.34	8.1	24.7	1.15
I20	07 Feb 2017	27	14.64	92.10	7.8	33.35	8.1	24.8	1.13
I20	07 Feb 2017	28	14.52	92.17	7.7	33.34	8.1	24.8	1.10
I20	07 Feb 2017	29	14.50	92.29	7.7	33.33	8.1	24.8	1.07
I20	07 Feb 2017	30	14.42	92.37	7.6	33.33	8.1	24.8	0.98
I20	07 Feb 2017	31	14.42	92.44	7.6	33.33	8.1	24.8	0.96
I20	07 Feb 2017	32	14.36	92.48	7.5	33.33	8.1	24.8	0.89
I20	07 Feb 2017	33	14.33	92.50	7.4	33.33	8.1	24.8	0.89
I20	07 Feb 2017	34	14.18	92.51	7.3	33.34	8.0	24.9	0.88
I20	07 Feb 2017	35	14.02	92.54	7.2	33.34	8.0	24.9	0.88
I20	07 Feb 2017	36	13.98	92.62	7.1	33.33	8.0	24.9	0.89
I20	07 Feb 2017	37	13.90	92.67	7.0	33.33	8.0	24.9	0.89
I20	07 Feb 2017	38	13.85	92.63	7.0	33.34	8.0	24.9	0.89
I20	07 Feb 2017	39	13.80	92.56	6.9	33.33	8.0	24.9	0.98
I20	07 Feb 2017	40	13.77	92.66	6.9	33.33	8.0	24.9	0.94
I20	07 Feb 2017	41	13.77	92.66	6.9	33.33	8.0	24.9	0.95
I20	07 Feb 2017	42	13.73	92.64	6.9	33.33	8.0	25.0	0.97
I20	07 Feb 2017	43	13.69	92.59	6.8	33.34	8.0	25.0	0.96
I20	07 Feb 2017	44	13.65	92.46	6.8	33.34	8.0	25.0	1.00
I20	07 Feb 2017	45	13.63	92.16	6.8	33.34	8.0	25.0	0.98
I20	07 Feb 2017	46	13.49	91.99	6.6	33.36	8.0	25.0	0.99
I20	07 Feb 2017	47	13.36	91.24	6.5	33.36	8.0	25.0	0.97
I20	07 Feb 2017	48	13.14	89.87	6.3	33.39	8.0	25.1	1.01
I20	07 Feb 2017	49	12.94	88.87	6.1	33.38	7.9	25.1	0.95
I20	07 Feb 2017	50	12.89	88.69	6.1	33.38	7.9	25.2	0.91
I20	07 Feb 2017	51	12.85	88.50	6.0	33.38	7.9	25.2	0.88
I20	07 Feb 2017	52	12.78	88.46	6.0	33.38	7.9	25.2	0.89
I20	07 Feb 2017	53	12.77	88.34	6.0	33.38	7.9	25.2	0.87
I20	07 Feb 2017	54	12.65	87.80	5.9	33.38	7.9	25.2	0.83
I20	07 Feb 2017	55	12.65	87.46	5.9	33.38	7.9	25.2	0.79
I21	07 Feb 2017	1	15.28	89.37	8.0	33.33	8.1	24.6	0.49
I21	07 Feb 2017	2	15.26	82.70	8.0	33.33	8.1	24.6	0.50
I21	07 Feb 2017	3	15.16	87.13	8.0	33.34	8.1	24.7	0.50
I21	07 Feb 2017	4	15.11	90.21	8.0	33.34	8.1	24.7	0.56
I21	07 Feb 2017	5	15.08	90.49	8.0	33.33	8.1	24.7	0.60
I21	07 Feb 2017	6	15.06	90.50	8.0	33.33	8.1	24.7	0.64
I21	07 Feb 2017	7	15.04	90.39	8.0	33.33	8.1	24.7	0.67
I21	07 Feb 2017	8	15.02	90.34	8.0	33.34	8.1	24.7	0.68
I21	07 Feb 2017	9	15.02	90.28	8.0	33.34	8.1	24.7	0.71

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I21	07 Feb 2017	10	15.01	90.39	8.0	33.34	8.1	24.7	0.76
I21	07 Feb 2017	11	15.00	90.55	8.0	33.34	8.1	24.7	0.81
I21	07 Feb 2017	12	14.99	90.59	8.0	33.34	8.1	24.7	0.87
I21	07 Feb 2017	13	14.98	90.61	8.0	33.34	8.1	24.7	0.92
I21	07 Feb 2017	14	14.97	90.65	8.0	33.34	8.1	24.7	0.97
I21	07 Feb 2017	15	14.95	90.68	8.0	33.34	8.1	24.7	1.04
I21	07 Feb 2017	16	14.94	90.71	8.0	33.34	8.1	24.7	1.12
I21	07 Feb 2017	17	14.92	90.69	8.0	33.34	8.1	24.7	1.22
I21	07 Feb 2017	18	14.91	90.70	8.0	33.34	8.1	24.7	1.33
I21	07 Feb 2017	19	14.88	90.65	8.0	33.34	8.1	24.7	1.39
I21	07 Feb 2017	20	14.85	90.61	8.0	33.34	8.1	24.7	1.47
I21	07 Feb 2017	21	14.84	90.56	8.0	33.33	8.1	24.7	1.55
I21	07 Feb 2017	22	14.82	90.61	7.9	33.34	8.1	24.7	1.59
I21	07 Feb 2017	23	14.81	90.71	8.0	33.33	8.1	24.7	1.66
I21	07 Feb 2017	24	14.81	90.78	7.9	33.34	8.1	24.7	1.70
I21	07 Feb 2017	25	14.78	90.82	7.9	33.33	8.1	24.7	1.72
I21	07 Feb 2017	26	14.76	90.92	7.9	33.33	8.1	24.7	1.72
I21	07 Feb 2017	27	14.74	90.96	7.9	33.34	8.1	24.7	1.75
I21	07 Feb 2017	28	14.71	90.95	7.9	33.34	8.1	24.8	1.80
I21	07 Feb 2017	29	14.69	91.11	7.9	33.34	8.1	24.8	1.70
I21	07 Feb 2017	30	14.66	91.23	7.8	33.34	8.1	24.8	1.69
I21	07 Feb 2017	31	14.60	91.32	7.8	33.34	8.1	24.8	1.64
I21	07 Feb 2017	32	14.57	91.46	7.8	33.33	8.1	24.8	1.63
I21	07 Feb 2017	33	14.53	91.51	7.8	33.34	8.1	24.8	1.54
I21	07 Feb 2017	34	14.47	91.59	7.7	33.33	8.1	24.8	1.52
I21	07 Feb 2017	35	14.37	91.62	7.5	33.35	8.1	24.8	1.51
I21	07 Feb 2017	36	13.93	91.47	7.2	33.34	8.1	24.9	1.47
I21	07 Feb 2017	37	14.00	91.08	7.0	33.35	8.0	24.9	1.40
I21	07 Feb 2017	38	13.74	90.62	6.8	33.34	8.0	25.0	1.40
I21	07 Feb 2017	39	13.69	90.52	6.8	33.35	8.0	25.0	1.32
I21	07 Feb 2017	40	13.67	90.25	6.7	33.34	8.0	25.0	1.34
I22	08 Feb 2017	1	15.18	88.53	8.1	33.31	8.1	24.6	0.52
I22	08 Feb 2017	2	15.17	88.52	8.1	33.32	8.1	24.6	0.54
I22	08 Feb 2017	3	15.12	88.90	8.1	33.32	8.1	24.6	0.54
I22	08 Feb 2017	4	15.11	89.02	8.1	33.32	8.1	24.6	0.54
I22	08 Feb 2017	5	15.07	89.04	8.1	33.32	8.1	24.7	0.56
I22	08 Feb 2017	6	15.05	89.04	8.1	33.32	8.1	24.7	0.57
I22	08 Feb 2017	7	15.02	88.89	8.1	33.32	8.1	24.7	0.60
I22	08 Feb 2017	8	15.03	89.03	8.1	33.31	8.1	24.7	0.65
I22	08 Feb 2017	9	15.02	89.14	8.1	33.32	8.1	24.7	0.70
I22	08 Feb 2017	10	14.98	89.33	8.1	33.33	8.1	24.7	0.73
I22	08 Feb 2017	11	14.97	89.82	8.0	33.33	8.1	24.7	0.73
I22	08 Feb 2017	12	14.94	90.34	8.0	33.33	8.1	24.7	0.84
I22	08 Feb 2017	13	14.92	90.27	8.0	33.33	8.1	24.7	0.85
I22	08 Feb 2017	14	14.88	89.97	8.0	33.33	8.1	24.7	0.96
I22	08 Feb 2017	15	14.87	89.99	8.0	33.33	8.1	24.7	1.10
I22	08 Feb 2017	16	14.86	89.96	8.0	33.33	8.1	24.7	1.17
I22	08 Feb 2017	17	14.79	89.87	7.9	33.33	8.1	24.7	1.33
I22	08 Feb 2017	18	14.65	89.73	7.8	33.34	8.1	24.8	1.46
I22	08 Feb 2017	19	14.55	89.99	7.7	33.33	8.1	24.8	1.45
I22	08 Feb 2017	20	14.51	90.23	7.7	33.33	8.1	24.8	1.48
I22	08 Feb 2017	21	14.48	90.42	7.7	33.33	8.1	24.8	1.47
I22	08 Feb 2017	22	14.45	90.57	7.6	33.33	8.1	24.8	1.49
I22	08 Feb 2017	23	14.39	90.47	7.6	33.34	8.1	24.8	1.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I22	08 Feb 2017	24	14.28	90.57	7.4	33.34	8.1	24.8	1.52
I22	08 Feb 2017	25	14.13	89.57	7.2	33.34	8.1	24.9	1.63
I22	08 Feb 2017	26	14.06	86.41	7.0	33.34	8.1	24.9	1.80
I22	08 Feb 2017	27	14.03	84.21	7.0	33.34	8.1	24.9	1.87
I22	08 Feb 2017	28	14.03	83.58	6.9	33.33	8.1	24.9	1.86
I23	08 Feb 2017	1	15.44	61.09	8.0	32.88	8.1	24.2	0.64
I23	08 Feb 2017	2	15.38	61.10	7.9	32.91	8.1	24.3	0.66
I23	08 Feb 2017	3	15.00	61.34	8.1	33.07	8.1	24.5	0.76
I23	08 Feb 2017	4	15.00	65.09	8.1	33.17	8.1	24.6	1.05
I23	08 Feb 2017	5	14.99	72.19	8.1	33.24	8.1	24.6	1.30
I23	08 Feb 2017	6	15.00	77.88	8.1	33.28	8.1	24.6	1.55
I23	08 Feb 2017	7	15.00	81.99	8.1	33.30	8.1	24.7	1.81
I23	08 Feb 2017	8	14.99	85.95	8.1	33.31	8.1	24.7	1.84
I23	08 Feb 2017	9	14.95	88.15	8.0	33.32	8.1	24.7	1.61
I23	08 Feb 2017	10	14.90	88.49	7.9	33.32	8.1	24.7	1.61
I23	08 Feb 2017	11	14.88	87.70	8.0	33.32	8.1	24.7	1.54
I23	08 Feb 2017	12	14.89	87.09	7.9	33.32	8.1	24.7	1.60
I23	08 Feb 2017	13	14.84	86.66	7.8	33.32	8.1	24.7	1.59
I23	08 Feb 2017	14	14.82	86.16	7.8	33.33	8.1	24.7	1.62
I23	08 Feb 2017	15	14.75	85.36	7.7	33.33	8.1	24.7	1.74
I23	08 Feb 2017	16	14.73	84.13	7.6	33.33	8.1	24.7	1.88
I23	08 Feb 2017	17	14.69	83.32	7.6	33.33	8.1	24.7	1.91
I23	08 Feb 2017	18	14.68	82.77	7.5	33.33	8.1	24.8	1.90
I23	08 Feb 2017	19	14.67	82.62	7.6	33.33	8.1	24.8	1.91
I23	08 Feb 2017	20	14.67	82.80	7.5	33.33	8.1	24.8	1.89
I23	08 Feb 2017	21	14.66	82.64	7.5	33.33	8.1	24.8	1.92
I27	08 Feb 2017	1	14.93	88.76	8.0	33.29	8.1	24.7	1.19
I27	08 Feb 2017	2	14.93	88.25	8.0	33.29	8.1	24.7	1.20
I27	08 Feb 2017	3	14.93	88.19	8.0	33.28	8.1	24.7	1.27
I27	08 Feb 2017	4	14.95	88.26	8.0	33.28	8.1	24.7	1.26
I27	08 Feb 2017	5	14.97	88.12	8.0	33.28	8.1	24.7	1.30
I27	08 Feb 2017	6	14.99	88.44	8.0	33.27	8.1	24.6	1.31
I27	08 Feb 2017	7	14.99	89.18	8.0	33.33	8.1	24.7	1.21
I27	08 Feb 2017	8	14.98	89.27	8.0	33.33	8.1	24.7	1.24
I27	08 Feb 2017	9	14.98	89.33	8.0	33.33	8.1	24.7	1.28
I27	08 Feb 2017	10	14.97	89.30	8.0	33.33	8.1	24.7	1.27
I27	08 Feb 2017	11	14.96	89.18	8.0	33.33	8.1	24.7	1.32
I27	08 Feb 2017	12	14.94	89.15	8.0	33.33	8.2	24.7	1.48
I27	08 Feb 2017	13	14.92	89.15	8.0	33.33	8.1	24.7	1.44
I27	08 Feb 2017	14	14.89	89.16	8.0	33.33	8.1	24.7	1.53
I27	08 Feb 2017	15	14.87	89.20	8.0	33.33	8.2	24.7	1.58
I27	08 Feb 2017	16	14.86	88.98	8.0	33.33	8.2	24.7	1.59
I27	08 Feb 2017	17	14.85	89.06	8.0	33.33	8.2	24.7	1.67
I27	08 Feb 2017	18	14.85	88.97	8.0	33.33	8.2	24.7	1.63
I27	08 Feb 2017	19	14.83	88.97	7.9	33.33	8.2	24.7	1.65
I27	08 Feb 2017	20	14.78	88.96	7.9	33.33	8.1	24.7	1.68
I27	08 Feb 2017	21	14.71	88.72	7.8	33.33	8.1	24.7	1.65
I27	08 Feb 2017	22	14.66	88.50	7.7	33.33	8.1	24.8	1.63
I27	08 Feb 2017	23	14.53	89.12	7.6	33.34	8.1	24.8	1.65
I27	08 Feb 2017	24	14.45	89.59	7.6	33.33	8.1	24.8	1.63
I27	08 Feb 2017	25	14.41	90.09	7.5	33.33	8.1	24.8	1.60
I27	08 Feb 2017	26	14.35	90.35	7.5	33.34	8.1	24.8	1.56
I27	08 Feb 2017	27	14.22	90.42	7.3	33.35	8.1	24.9	1.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I27	08 Feb 2017	28	13.92	89.04	7.0	33.35	8.1	24.9	1.58
I28	09 Feb 2017	1	15.28	90.09	8.0	33.31	8.2	24.6	0.36
I28	09 Feb 2017	2	15.25	90.40	8.0	33.32	8.2	24.6	0.37
I28	09 Feb 2017	3	15.17	90.35	8.0	33.32	8.2	24.6	0.38
I28	09 Feb 2017	4	15.13	90.22	8.0	33.31	8.2	24.6	0.41
I28	09 Feb 2017	5	15.11	90.08	8.0	33.31	8.2	24.6	0.45
I28	09 Feb 2017	6	15.11	90.03	8.0	33.31	8.2	24.6	0.48
I28	09 Feb 2017	7	15.10	90.04	8.0	33.31	8.2	24.7	0.51
I28	09 Feb 2017	8	15.09	90.09	8.0	33.31	8.2	24.7	0.54
I28	09 Feb 2017	9	15.08	90.10	8.0	33.32	8.2	24.7	0.58
I28	09 Feb 2017	10	15.06	90.11	8.0	33.32	8.2	24.7	0.63
I28	09 Feb 2017	11	15.03	90.18	8.0	33.32	8.2	24.7	0.69
I28	09 Feb 2017	12	15.01	90.24	8.0	33.32	8.2	24.7	0.71
I28	09 Feb 2017	13	14.94	90.42	8.0	33.33	8.2	24.7	0.79
I28	09 Feb 2017	14	14.78	90.24	8.0	33.33	8.2	24.7	0.97
I28	09 Feb 2017	15	14.71	89.56	7.9	33.31	8.1	24.7	1.25
I28	09 Feb 2017	16	14.69	89.35	7.9	33.31	8.1	24.7	1.43
I28	09 Feb 2017	17	14.67	89.50	7.9	33.31	8.1	24.7	1.54
I28	09 Feb 2017	18	14.44	89.62	7.7	33.32	8.1	24.8	1.61
I28	09 Feb 2017	19	14.36	89.89	7.6	33.32	8.1	24.8	1.52
I28	09 Feb 2017	20	14.30	89.93	7.5	33.32	8.1	24.8	1.46
I28	09 Feb 2017	21	14.28	90.01	7.4	33.32	8.1	24.8	1.42
I28	09 Feb 2017	22	14.23	90.11	7.4	33.32	8.1	24.8	1.41
I28	09 Feb 2017	23	14.11	90.33	7.2	33.33	8.1	24.9	1.38
I28	09 Feb 2017	24	14.02	90.42	7.1	33.33	8.1	24.9	1.27
I28	09 Feb 2017	25	13.97	90.10	7.0	33.33	8.1	24.9	1.32
I28	09 Feb 2017	26	13.93	90.07	7.0	33.33	8.1	24.9	1.29
I28	09 Feb 2017	27	13.88	90.09	6.9	33.33	8.1	24.9	1.26
I28	09 Feb 2017	28	13.89	90.26	6.9	33.33	8.1	24.9	1.24
I28	09 Feb 2017	29	13.73	90.91	6.8	33.36	8.1	25.0	1.25
I28	09 Feb 2017	30	13.46	91.92	6.6	33.35	8.0	25.0	1.16
I28	09 Feb 2017	31	13.23	92.41	6.4	33.35	8.0	25.1	1.09
I28	09 Feb 2017	32	13.15	92.55	6.4	33.34	8.0	25.1	1.04
I28	09 Feb 2017	33	13.11	92.57	6.3	33.34	8.0	25.1	0.99
I28	09 Feb 2017	34	13.11	92.64	6.3	33.33	8.0	25.1	0.94
I28	09 Feb 2017	35	12.93	92.69	6.3	33.35	8.0	25.1	0.95
I28	09 Feb 2017	36	12.80	92.70	6.2	33.35	8.0	25.2	0.92
I28	09 Feb 2017	37	12.54	92.64	6.1	33.38	8.0	25.2	0.91
I28	09 Feb 2017	38	12.34	92.63	6.0	33.38	8.0	25.3	0.88
I28	09 Feb 2017	39	12.37	92.64	5.9	33.37	8.0	25.2	0.83
I28	09 Feb 2017	40	12.30	92.67	5.9	33.38	8.0	25.3	0.83
I28	09 Feb 2017	41	12.23	92.66	5.8	33.37	7.9	25.3	0.79
I28	09 Feb 2017	42	12.18	92.68	5.8	33.38	7.9	25.3	0.78
I28	09 Feb 2017	43	12.13	92.71	5.7	33.38	7.9	25.3	0.74
I28	09 Feb 2017	44	12.09	92.81	5.7	33.38	7.9	25.3	0.70
I28	09 Feb 2017	45	12.06	92.66	5.6	33.39	7.9	25.3	0.66
I28	09 Feb 2017	46	11.89	91.95	5.5	33.42	7.9	25.4	0.62
I28	09 Feb 2017	47	11.83	91.31	5.4	33.42	7.9	25.4	0.57
I28	09 Feb 2017	48	11.76	91.21	5.4	33.43	7.9	25.4	0.53
I28	09 Feb 2017	49	11.77	91.00	5.3	33.43	7.9	25.4	0.51
I28	09 Feb 2017	50	11.71	90.94	5.3	33.44	7.9	25.4	0.49
I28	09 Feb 2017	51	11.66	90.48	5.2	33.45	7.9	25.4	0.48
I28	09 Feb 2017	52	11.41	86.57	5.1	33.49	7.9	25.5	0.45
I28	09 Feb 2017	53	11.27	82.42	5.0	33.50	7.9	25.6	0.40

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I28	09 Feb 2017	54	11.20	79.52	4.9	33.51	7.8	25.6	0.35
I28	09 Feb 2017	55	11.19	77.20	4.8	33.51	7.8	25.6	0.32
I29	09 Feb 2017	1	15.07	90.36	8.0	33.32	8.1	24.7	0.44
I29	09 Feb 2017	2	15.07	90.34	8.0	33.32	8.1	24.7	0.45
I29	09 Feb 2017	3	15.07	90.37	8.0	33.32	8.1	24.7	0.46
I29	09 Feb 2017	4	15.05	90.26	8.0	33.32	8.1	24.7	0.47
I29	09 Feb 2017	5	15.03	90.32	8.0	33.33	8.1	24.7	0.49
I29	09 Feb 2017	6	15.01	90.19	8.0	33.33	8.1	24.7	0.52
I29	09 Feb 2017	7	14.96	90.02	8.0	33.33	8.1	24.7	0.56
I29	09 Feb 2017	8	14.95	89.99	8.0	33.32	8.1	24.7	0.62
I29	09 Feb 2017	9	14.94	89.99	8.0	33.32	8.1	24.7	0.67
I29	09 Feb 2017	10	14.94	90.02	8.0	33.32	8.1	24.7	0.74
I29	09 Feb 2017	11	14.94	90.00	8.0	33.32	8.1	24.7	0.79
I29	09 Feb 2017	12	14.93	89.99	8.0	33.32	8.1	24.7	0.86
I29	09 Feb 2017	13	14.93	89.96	8.0	33.32	8.1	24.7	0.90
I29	09 Feb 2017	14	14.92	89.88	8.0	33.33	8.1	24.7	0.96
I29	09 Feb 2017	15	14.91	89.96	8.0	33.33	8.1	24.7	1.02
I29	09 Feb 2017	16	14.89	89.96	8.0	33.33	8.1	24.7	1.09
I29	09 Feb 2017	17	14.87	90.04	8.0	33.33	8.1	24.7	1.21
I29	09 Feb 2017	18	14.72	89.96	8.0	33.34	8.1	24.8	1.31
I29	09 Feb 2017	19	14.65	90.04	7.9	33.33	8.1	24.8	1.48
I29	09 Feb 2017	20	14.48	90.50	7.7	33.33	8.1	24.8	1.51
I29	09 Feb 2017	21	14.41	90.93	7.6	33.33	8.1	24.8	1.45
I29	09 Feb 2017	22	14.35	91.23	7.5	33.33	8.1	24.8	1.34
I29	09 Feb 2017	23	14.27	91.43	7.4	33.33	8.1	24.8	1.34
I29	09 Feb 2017	24	14.14	91.56	7.2	33.34	8.1	24.9	1.27
I29	09 Feb 2017	25	13.83	91.46	7.0	33.37	8.1	25.0	1.20
I29	09 Feb 2017	26	13.26	90.87	6.6	33.37	8.0	25.1	1.23
I29	09 Feb 2017	27	13.29	90.51	6.5	33.35	8.0	25.1	1.14
I29	09 Feb 2017	28	13.13	90.29	6.4	33.35	8.0	25.1	1.12
I29	09 Feb 2017	29	13.14	90.12	6.4	33.35	8.0	25.1	1.10
I29	09 Feb 2017	30	13.05	89.97	6.3	33.36	8.0	25.1	1.11
I29	09 Feb 2017	31	13.03	89.62	6.2	33.36	8.0	25.1	1.07
I29	09 Feb 2017	32	12.60	88.43	6.0	33.40	8.0	25.2	1.05
I29	09 Feb 2017	33	12.43	87.15	5.8	33.42	8.0	25.3	0.91
I29	09 Feb 2017	34	12.17	85.25	5.6	33.41	7.9	25.3	0.82
I29	09 Feb 2017	35	12.12	83.14	5.5	33.41	7.9	25.3	0.75
I29	09 Feb 2017	36	12.09	81.44	5.4	33.41	7.9	25.3	0.70
I29	09 Feb 2017	37	12.09	80.90	5.4	33.41	7.9	25.3	0.68
I30	09 Feb 2017	1	15.06	90.22	8.0	33.32	8.1	24.7	0.47
I30	09 Feb 2017	2	15.04	90.24	8.0	33.33	8.1	24.7	0.48
I30	09 Feb 2017	3	14.98	90.20	8.0	33.33	8.1	24.7	0.48
I30	09 Feb 2017	4	14.98	90.09	8.0	33.32	8.1	24.7	0.53
I30	09 Feb 2017	5	14.94	90.13	8.0	33.33	8.1	24.7	0.56
I30	09 Feb 2017	6	14.89	89.91	8.0	33.33	8.1	24.7	0.59
I30	09 Feb 2017	7	14.88	89.81	8.0	33.33	8.1	24.7	0.67
I30	09 Feb 2017	8	14.87	89.70	8.0	33.33	8.1	24.7	0.73
I30	09 Feb 2017	9	14.87	89.70	8.0	33.32	8.1	24.7	0.78
I30	09 Feb 2017	10	14.86	89.68	8.0	33.33	8.1	24.7	0.86
I30	09 Feb 2017	11	14.81	89.81	8.0	33.33	8.1	24.7	0.91
I30	09 Feb 2017	12	14.73	89.93	7.9	33.33	8.1	24.7	0.99
I30	09 Feb 2017	13	14.68	90.00	7.8	33.33	8.1	24.8	1.09
I30	09 Feb 2017	14	14.61	90.09	7.7	33.33	8.1	24.8	1.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I30	09 Feb 2017	15	14.56	90.14	7.7	33.33	8.1	24.8	1.19
I30	09 Feb 2017	16	14.53	90.35	7.6	33.33	8.1	24.8	1.24
I30	09 Feb 2017	17	14.46	90.46	7.6	33.32	8.1	24.8	1.26
I30	09 Feb 2017	18	14.42	90.54	7.5	33.33	8.1	24.8	1.32
I30	09 Feb 2017	19	14.34	90.51	7.5	33.33	8.1	24.8	1.36
I30	09 Feb 2017	20	14.22	90.49	7.4	33.33	8.1	24.9	1.39
I30	09 Feb 2017	21	14.12	90.61	7.2	33.34	8.1	24.9	1.37
I30	09 Feb 2017	22	13.88	90.55	7.0	33.34	8.1	24.9	1.38
I30	09 Feb 2017	23	13.70	90.40	6.8	33.35	8.1	25.0	1.36
I30	09 Feb 2017	24	13.31	90.34	6.6	33.37	8.0	25.1	1.28
I30	09 Feb 2017	25	13.19	89.79	6.4	33.35	8.0	25.1	1.14
I30	09 Feb 2017	26	13.10	88.86	6.3	33.35	8.0	25.1	1.07
I30	09 Feb 2017	27	13.07	86.51	6.2	33.35	8.0	25.1	1.03
I31	09 Feb 2017	1	15.27	87.12	8.0	33.23	8.1	24.6	0.61
I31	09 Feb 2017	2	15.25	87.20	8.0	33.23	8.1	24.6	0.58
I31	09 Feb 2017	3	15.24	87.20	8.0	33.23	8.1	24.6	0.60
I31	09 Feb 2017	4	15.08	87.36	8.0	33.27	8.1	24.6	0.64
I31	09 Feb 2017	5	15.04	88.11	8.0	33.28	8.1	24.6	0.69
I31	09 Feb 2017	6	15.03	89.12	8.0	33.30	8.1	24.7	0.72
I31	09 Feb 2017	7	14.97	89.75	8.0	33.32	8.1	24.7	0.73
I31	09 Feb 2017	8	14.90	89.68	8.0	33.33	8.1	24.7	0.77
I31	09 Feb 2017	9	14.88	89.51	8.0	33.32	8.1	24.7	0.85
I31	09 Feb 2017	10	14.87	89.53	8.0	33.32	8.1	24.7	0.95
I31	09 Feb 2017	11	14.81	89.54	8.0	33.33	8.1	24.7	0.97
I31	09 Feb 2017	12	14.80	89.56	7.9	33.32	8.1	24.7	1.14
I31	09 Feb 2017	13	14.51	89.60	7.8	33.35	8.1	24.8	1.17
I31	09 Feb 2017	14	14.39	88.85	7.5	33.34	8.1	24.8	1.23
I31	09 Feb 2017	15	13.96	87.29	7.2	33.34	8.1	24.9	1.19
I31	09 Feb 2017	16	13.89	86.10	7.0	33.34	8.1	24.9	1.15
I31	09 Feb 2017	17	13.86	84.81	7.0	33.33	8.1	24.9	1.14
I31	09 Feb 2017	18	13.84	84.30	6.9	33.33	8.1	24.9	1.19
I31	09 Feb 2017	19	13.85	84.24	6.9	33.33	8.1	24.9	1.25
I33	09 Feb 2017	1	15.26	78.68	8.3	33.23	8.2	24.6	1.74
I33	09 Feb 2017	2	15.25	77.55	8.3	33.23	8.2	24.6	1.80
I33	09 Feb 2017	3	15.25	79.09	8.3	33.23	8.2	24.6	1.90
I33	09 Feb 2017	4	15.25	79.15	8.3	33.23	8.2	24.6	2.10
I33	09 Feb 2017	5	15.23	79.24	8.3	33.23	8.2	24.6	2.35
I33	09 Feb 2017	6	15.23	79.24	8.2	33.23	8.2	24.6	2.46
I33	09 Feb 2017	7	15.23	79.20	8.2	33.23	8.2	24.6	2.71
I33	09 Feb 2017	8	15.20	79.61	8.3	33.23	8.2	24.6	2.82
I33	09 Feb 2017	9	15.16	79.86	8.2	33.24	8.2	24.6	2.93
I33	09 Feb 2017	10	15.10	80.11	8.2	33.23	8.2	24.6	3.04
I33	09 Feb 2017	11	15.01	80.99	8.1	33.27	8.2	24.6	3.07
I33	09 Feb 2017	12	14.93	82.45	8.0	33.28	8.1	24.7	2.86
I33	09 Feb 2017	13	14.91	82.75	8.0	33.29	8.1	24.7	2.69
I33	09 Feb 2017	14	14.90	82.44	8.0	33.29	8.1	24.7	2.65
I33	09 Feb 2017	15	14.89	82.24	7.9	33.29	8.1	24.7	2.60
I33	09 Feb 2017	16	14.82	81.54	7.8	33.30	8.1	24.7	2.53
I33	09 Feb 2017	17	14.80	80.78	7.7	33.30	8.1	24.7	2.49
I33	09 Feb 2017	18	14.67	78.64	7.6	33.31	8.1	24.7	2.47
I33	09 Feb 2017	19	14.66	78.15	7.6	33.30	8.1	24.7	2.44
I33	09 Feb 2017	20	14.64	78.22	7.5	33.30	8.1	24.7	2.43
I33	09 Feb 2017	21	14.63	77.94	7.5	33.30	8.1	24.7	2.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I33	09 Feb 2017	22	14.63	78.70	7.5	33.30	8.1	24.7	2.43
I33	09 Feb 2017	23	14.61	79.77	7.5	33.30	8.1	24.7	2.44
I33	09 Feb 2017	24	14.61	80.65	7.5	33.30	8.1	24.7	2.34
I33	09 Feb 2017	25	14.60	80.59	7.5	33.30	8.1	24.8	2.35
I33	09 Feb 2017	26	14.55	81.01	7.5	33.31	8.1	24.8	2.27
I33	09 Feb 2017	27	14.49	85.00	7.5	33.32	8.1	24.8	2.16
I33	09 Feb 2017	28	13.85	87.70	7.2	33.41	8.1	25.0	2.06
I33	09 Feb 2017	29	13.64	87.61	6.9	33.37	8.1	25.0	1.79
I34	09 Feb 2017	1	15.12	77.40	8.0	33.23	8.1	24.6	1.60
I34	09 Feb 2017	2	15.12	77.34	8.0	33.23	8.1	24.6	1.56
I34	09 Feb 2017	3	15.12	77.47	8.0	33.23	8.1	24.6	1.69
I34	09 Feb 2017	4	15.11	77.37	8.0	33.23	8.1	24.6	1.92
I34	09 Feb 2017	5	15.09	77.62	8.0	33.23	8.1	24.6	2.03
I34	09 Feb 2017	6	15.08	77.56	7.9	33.24	8.1	24.6	2.36
I34	09 Feb 2017	7	15.07	78.01	8.0	33.24	8.1	24.6	2.59
I34	09 Feb 2017	8	15.01	78.41	7.9	33.26	8.1	24.6	2.73
I34	09 Feb 2017	9	14.98	78.78	7.9	33.27	8.1	24.6	2.69
I34	09 Feb 2017	10	14.96	79.40	7.9	33.27	8.1	24.6	2.62
I34	09 Feb 2017	11	14.89	80.68	7.9	33.29	8.1	24.7	2.55
I34	09 Feb 2017	12	14.86	81.84	7.8	33.30	8.1	24.7	2.52
I34	09 Feb 2017	13	14.84	83.67	7.8	33.31	8.1	24.7	2.45
I34	09 Feb 2017	14	14.78	85.33	7.8	33.32	8.1	24.7	2.32
I34	09 Feb 2017	15	14.72	85.55	7.7	33.33	8.1	24.7	2.29
I34	09 Feb 2017	16	14.69	82.26	7.7	33.33	8.1	24.7	2.20
I34	09 Feb 2017	17	14.60	76.69	7.5	33.33	8.1	24.8	2.22
I34	09 Feb 2017	18	14.51	67.95	7.4	33.34	8.1	24.8	2.45
I34	09 Feb 2017	19	14.30	65.13	7.2	33.35	8.1	24.8	2.70
I35	09 Feb 2017	1	15.44	81.53	8.2	33.25	8.2	24.5	0.98
I35	09 Feb 2017	2	15.44	81.66	8.2	33.25	8.2	24.5	0.98
I35	09 Feb 2017	3	15.43	81.70	8.2	33.25	8.2	24.5	1.04
I35	09 Feb 2017	4	15.43	81.67	8.2	33.25	8.2	24.5	1.12
I35	09 Feb 2017	5	15.38	81.79	8.2	33.26	8.2	24.5	1.27
I35	09 Feb 2017	6	15.23	82.37	8.2	33.27	8.2	24.6	1.46
I35	09 Feb 2017	7	15.11	84.15	8.2	33.27	8.2	24.6	1.58
I35	09 Feb 2017	8	15.03	85.73	8.1	33.30	8.2	24.7	1.62
I35	09 Feb 2017	9	14.89	87.27	8.0	33.31	8.2	24.7	1.69
I35	09 Feb 2017	10	14.76	87.50	7.9	33.32	8.1	24.7	1.77
I35	09 Feb 2017	11	14.70	87.83	7.8	33.32	8.1	24.7	1.80
I35	09 Feb 2017	12	14.32	87.61	7.5	33.37	8.1	24.9	1.81
I35	09 Feb 2017	13	14.15	82.34	7.2	33.33	8.1	24.9	1.80
I35	09 Feb 2017	14	14.03	79.38	7.1	33.35	8.1	24.9	1.78
I35	09 Feb 2017	15	13.97	80.46	7.0	33.34	8.1	24.9	1.85
I35	09 Feb 2017	16	13.86	82.08	6.9	33.34	8.1	24.9	1.82
I35	09 Feb 2017	17	13.85	78.82	6.9	33.33	8.1	24.9	1.79
I35	09 Feb 2017	18	13.83	74.71	6.9	33.34	8.1	24.9	1.83
I35	09 Feb 2017	19	13.82	66.85	6.8	33.34	8.1	24.9	1.49
I36	09 Feb 2017	1	15.42	14.04	6.5	32.72	8.2	24.1	1.47
I36	09 Feb 2017	2	15.38	45.39	7.5	33.34	8.2	24.6	1.46
I36	09 Feb 2017	3	15.27	73.86	8.0	33.36	8.2	24.6	1.30
I36	09 Feb 2017	4	15.01	74.61	8.0	33.44	8.2	24.8	1.39
I36	09 Feb 2017	5	14.90	75.57	7.7	33.40	8.2	24.8	1.48
I36	09 Feb 2017	6	14.89	81.69	8.1	33.31	8.2	24.7	2.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
I36	09 Feb 2017	7	14.85	81.01	8.0	33.31	8.2	24.7	2.17
I36	09 Feb 2017	8	14.82	74.57	7.9	33.31	8.1	24.7	2.51
I36	09 Feb 2017	9	14.77	68.62	7.6	33.32	8.1	24.7	3.07
I36	09 Feb 2017	10	14.75	57.13	7.4	33.32	8.1	24.7	3.56
I36	09 Feb 2017	11	14.71	53.30	7.3	33.32	8.1	24.7	3.77
I37	09 Feb 2017	1	15.23	74.39	7.9	33.18	8.1	24.5	1.34
I37	09 Feb 2017	2	15.23	74.27	7.9	33.18	8.1	24.5	1.34
I37	09 Feb 2017	3	15.22	74.93	7.9	33.19	8.1	24.5	1.38
I37	09 Feb 2017	4	15.19	74.31	7.8	33.19	8.1	24.5	1.57
I37	09 Feb 2017	5	15.13	73.61	7.8	33.19	8.1	24.6	2.01
I37	09 Feb 2017	6	15.11	73.10	7.8	33.19	8.1	24.6	2.43
I37	09 Feb 2017	7	15.10	72.80	7.8	33.19	8.1	24.6	2.78
I37	09 Feb 2017	8	15.05	72.54	7.8	33.20	8.1	24.6	2.87
I37	09 Feb 2017	9	15.03	71.36	7.8	33.20	8.1	24.6	2.81
I37	09 Feb 2017	10	15.02	70.26	7.8	33.21	8.1	24.6	2.89
I37	09 Feb 2017	11	15.02	70.35	7.8	33.21	8.1	24.6	2.76
I37	09 Feb 2017	12	15.02	70.78	7.8	33.21	8.1	24.6	2.81
I38	09 Feb 2017	1	15.33	75.00	8.3	33.25	8.2	24.5	1.35
I38	09 Feb 2017	2	15.25	74.75	8.3	33.26	8.2	24.6	1.35
I38	09 Feb 2017	3	15.16	74.04	8.3	33.26	8.2	24.6	1.57
I38	09 Feb 2017	4	15.07	73.54	8.2	33.26	8.2	24.6	1.90
I38	09 Feb 2017	5	14.99	72.59	8.2	33.27	8.2	24.6	2.62
I38	09 Feb 2017	6	14.88	77.73	8.1	33.31	8.2	24.7	3.40
I38	09 Feb 2017	7	14.81	77.53	7.9	33.32	8.1	24.7	3.78
I38	09 Feb 2017	8	14.78	73.69	7.7	33.31	8.1	24.7	3.76
I38	09 Feb 2017	9	14.77	70.57	7.6	33.31	8.1	24.7	3.52
I38	09 Feb 2017	10	14.76	67.92	7.5	33.31	8.1	24.7	3.45
I38	09 Feb 2017	11	14.77	54.75	7.4	33.31	8.1	24.7	3.27

NA = not available

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	07 Feb 2017	18	ZV	LAB DUPLICATE	<2	<2	<2
I9	07 Feb 2017	27	ZV	LAB DUPLICATE	<2	<2	<2
I12	08 Feb 2017	18	JT	LAB DUPLICATE	ns	<2	2e
I12	08 Feb 2017	18	LMA	LAB DUPLICATE	<2	ns	ns
I13	07 Feb 2017	18	JT	LAB DUPLICATE	<2	<2	<2
I14	08 Feb 2017	2	JT	LAB DUPLICATE	ns	<2	<2
I14	08 Feb 2017	2	LMA	LAB DUPLICATE	<2	ns	ns
I16	08 Feb 2017	18	JT	LAB DUPLICATE	ns	<2	2e
I16	08 Feb 2017	18	LMA	LAB DUPLICATE	<2	ns	ns
I19	04 Feb 2017	6	AR	LAB DUPLICATE	360e	22e	46
I19	08 Feb 2017	6	JT	FIELD DUPLICATE	ns	<2	4e
I19	08 Feb 2017	6	LMA	FIELD DUPLICATE	6e	ns	ns
I19	08 Feb 2017	6	JT	LAB DUPLICATE	ns	<2	<2
I19	08 Feb 2017	6	LMA	LAB DUPLICATE	14e	ns	ns
I19	14 Feb 2017	6	ZV	LAB DUPLICATE	<20	2e	16e
I19	24 Feb 2017	6	ZV	LAB DUPLICATE	60e	10e	10e
I20	07 Feb 2017	55	ZV	LAB DUPLICATE	6e	<2	<2
I32	09 Feb 2017	9	LMA	LAB DUPLICATE	ns	<2	2e
I32	09 Feb 2017	9	ZV	LAB DUPLICATE	20e	ns	ns
I36	09 Feb 2017	11	LMA	LAB DUPLICATE	ns	<2	<2
I36	09 Feb 2017	11	ZV	LAB DUPLICATE	<20	ns	ns
I40	04 Feb 2017	6	AR	LAB DUPLICATE	480	60e	74
I40	14 Feb 2017	6	ZV	LAB DUPLICATE	1600e	120	980
I40	24 Feb 2017	6	ZV	LAB DUPLICATE	2800e	160e	130e
S12	07 Feb 2017		JT	FIELD DUPLICATE	5600	420	480
S12	07 Feb 2017		JT	LAB DUPLICATE	7000	880	560
S12	14 Feb 2017		AR	FIELD DUPLICATE	8e	<2	2e
S12	14 Feb 2017		AR	LAB DUPLICATE	8e	4e	<2
S12	21 Feb 2017		LMA	FIELD DUPLICATE	400e	32e	86
S12	21 Feb 2017		LMA	LAB DUPLICATE	1000e	6e	88
S12	28 Feb 2017		JT	FIELD DUPLICATE	>16000	3400e	>12000
S12	28 Feb 2017		JT	LAB DUPLICATE	>16000	7000	>12000

ns = not sampled
ND = no data

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