



Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall

(South Bay Water Reclamation Plant)

NPDES Permit No. CA0109045

August 2015



City of San Diego
Ocean Monitoring Program
Public Utilities Department
Environmental Monitoring and Technical Services Division



THE CITY OF SAN DIEGO

September 30, 2015

Mr. 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 August 2015 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,

A handwritten signature in blue ink, appearing to read "Peter S. Vroom".

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

TDS:asb

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



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 S8–12).

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 stations (I19, I24, I25, I26, I32, I39, I40) were sampled according to NPDES permit specifications in order to monitor water quality compliance within a kelp bed-suitable area. The seven kelp stations 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 seven stations are only occasionally located within an area where kelp is actually found. 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.

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.

All water samples were collected using Van Dorn bottles arrayed at the required depths and messenger-tripped in series. 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. However, it should be noted that the CTD measurements and bacteriological samples were taken from separate hydrocasts.

Offshore Stations

Quarterly offshore water quality sampling was 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 three 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;

^[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.

(3) *Enterococcus* density shall not exceed 35 CFU/100 mL.

Single Sample Maximums:

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

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 2015 Quality Assurance Report, which will be completed in March 2016.

SUMMARY OF RESULTS

➤ **Shoreline Water Quality Sampling**

- Because of site access restrictions in Mexico, the South Bay shoreline sampling is carried out on the same day each week (i.e., Tuesday) in order to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the IBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
- During August, one of the eight shore stations located north of the border was out of compliance with California Ocean Plan (Ocean Plan) water contact standards (see below); these standards do not apply to stations located in Mexican waters.
 - The 30-day geometric mean standard for *Enterococcus* was exceeded at station S5 on August 1 through August 21.

- 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 station S2 on August 18 and 15.
- Historical analyses of Ocean Plan compliance rates for the South Bay outfall shoreline monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. See the City of San Diego's most recent *South Bay Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- Notable visual observations for August included: water flowing from a storm drain at stations S0, S2, and S3. These observations were made on one or more days during the month.

➤ **Kelp Bed Water Quality Sampling**

- The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled five times over six days during August (i.e. August 5, 6, 13, 19, 25, 30).
- During August, each of the seven stations was in compliance with Ocean Plan water contact standards.
- Water column temperatures ranged from 13.56 to 24.22°C. The difference between surface and bottom waters ranged from approximately 1.65 to 6.47°C, indicating the water column was stratified at these sites.
- Chlorophyll *a* concentrations ranged from 0.28 to 8.63 µg/L at these stations, suggesting the presence of phytoplankton blooms during the month.
- Suspended solid values ranged from 0.2 to 9.4 mg/L in August. Elevated levels of suspended solids (i.e., values ~~>~~ 8 mg/L) occurred in seawater samples collected at stations I24 (11 m depth), I32 (9 m depth), and I40 (9 m depth). Higher suspended solid concentrations may be due to the re-suspension of bottom sediments when the CTD touched the sea floor or associated with the presence of phytoplankton blooms that occurred around the time of sampling.
- Oil and grease values were < 0.2 mg/L in all kelp bed seawater samples.
- Nothing of sewage origin was observed at any of the kelp bed stations.

➤ **Offshore Water Quality Sampling**

- Quarterly offshore water quality sampling was conducted over three days during the month (i.e., August 4, 5, 6).
- All 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.
- All of the remaining offshore stations (i.e., I3, I5, I7–I11, I13, I20, I21, I30) were also characterized by low densities of bacteria (i.e., total coliforms ≤ 10,000 CFU/100 mL; fecal coliforms ≤ 400 CFU/100 mL; *Enterococcus* ≤ 104 CFU/100 mL).

- Water column temperatures ranged from 11.88 to 22.68°C at the offshore sites. The difference between surface and bottom waters ranged from 3.87 to 10.23°C, indicating that the water column was stratified at the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.26 to 7.43 µg/L at the offshore sites, suggesting the presence of phytoplankton blooms during the month.
- CDOM data are available upon request.
- Suspended solid values ranged from 0.2 to 7.3 mg/L in August.
- Oil and grease values were < 0.2 mg/L in all offshore seawater samples.
- Nothing of sewage origin was observed at any of the offshore stations.

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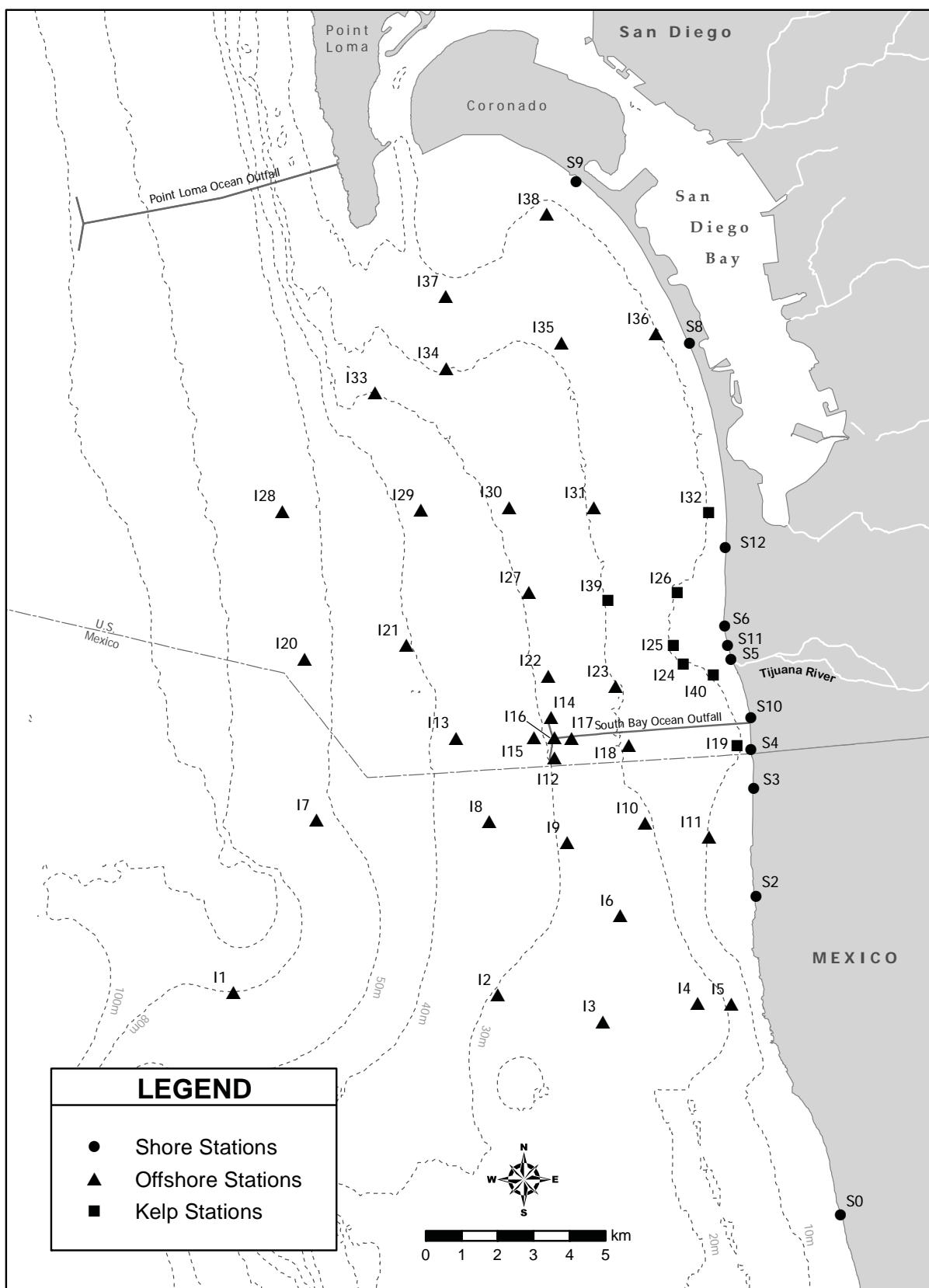


Figure 1.1 Station Map

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SHORE STATIONS

Table 2.1

Summary of compliance with the 2012 Ocean Plan's 30-day Geometric Mean standard for total coliforms at the SBOO shore stations located north of the USA/Mexico border. 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 >1000 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2015	23*	580	301	73	122	17*	498	450
02 Aug 2015	23*	580	301	73	122	17*	498	450
03 Aug 2015	23*	580	301	73	122	17*	498	450
04 Aug 2015	31	437	239	59	90	17	315	268
05 Aug 2015	31	437	239	59	90	17	315	268
06 Aug 2015	35*	679	361	73	122	30*	498	450
07 Aug 2015	35*	679	361	73	122	30*	498	450
08 Aug 2015	35*	679	361	73	122	30*	498	450
09 Aug 2015	35*	679	361	73	122	30*	498	450
10 Aug 2015	35*	679	361	73	122	30*	498	450
11 Aug 2015	26	376	190	59	90	17	315	322
12 Aug 2015	26	376	190	59	90	17	315	322
13 Aug 2015	28*	488	276	73	122	17*	498	560
14 Aug 2015	28*	488	276	73	122	17*	498	560
15 Aug 2015	28*	488	276	73	122	17*	498	560
16 Aug 2015	28*	488	276	73	122	17*	498	560
17 Aug 2015	28*	488	276	73	122	17*	498	560
18 Aug 2015	32	328	190	59	101	17	227	433
19 Aug 2015	32	328	190	59	101	17	227	433
20 Aug 2015	31*	188	91	20	33	11*	111	211
21 Aug 2015	31*	188	91	20	33	11*	111	211
22 Aug 2015	31*	90	54	20*	31*	11*	43	104*
23 Aug 2015	31*	32	18*	20*	31*	11*	11*	104*
24 Aug 2015	31*	32	18*	20*	31*	11*	11*	104*
25 Aug 2015	29	26	18	20	29	13	13	93
26 Aug 2015	29	26	18	20	29	13	13	93
27 Aug 2015	31*	19*	18*	20*	24*	11*	11*	54*
28 Aug 2015	31*	19*	18*	20*	24*	11*	11*	54*
29 Aug 2015	31*	19*	18*	20*	24*	11*	11*	54*
30 Aug 2015	31*	19*	18*	20*	24*	11*	11*	54*
31 Aug 2015	31*	19*	18*	20*	24*	11*	11*	54*

* Geometric mean calculated using an n<5

Table 2.2

Summary of compliance with the 2012 Ocean Plan's 30-day Geometric Mean standard for fecal coliform at the SBOO shore stations located north of the USA/Mexico border. 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 Aug 2015	3*	111	58	19	25	3*	70	66
02 Aug 2015	3*	111	58	19	25	3*	70	66
03 Aug 2015	3*	111	58	19	25	3*	70	66
04 Aug 2015	3	87	38	13	19	3	45	37
05 Aug 2015	3	87	38	13	19	3	45	37
06 Aug 2015	3*	149	58	19	27	3*	70	39
07 Aug 2015	3*	149	58	19	27	3*	70	39
08 Aug 2015	3*	149	58	19	27	3*	70	39
09 Aug 2015	3*	149	58	19	27	3*	70	39
10 Aug 2015	3*	149	58	19	27	3*	70	39
11 Aug 2015	3	87	38	13	17	3	45	29
12 Aug 2015	3	87	38	13	17	3	45	29
13 Aug 2015	3*	149	48	19	27	3*	64	49
14 Aug 2015	3*	149	48	19	27	3*	64	49
15 Aug 2015	3*	149	48	19	27	3*	64	49
16 Aug 2015	3*	149	48	19	27	3*	64	49
17 Aug 2015	3*	149	48	19	27	3*	64	49
18 Aug 2015	3	104	32	15	17	5	41	42
19 Aug 2015	3	104	32	15	17	5	41	42
20 Aug 2015	2*	52	14	5	6	4*	18	18
21 Aug 2015	2*	52	14	5	6	4*	18	18
22 Aug 2015	2*	20	9	4*	5*	4*	10	10*
23 Aug 2015	2*	9	4	4*	5*	4*	4	10*
24 Aug 2015	2*	9	4	4*	5*	4*	4	10*
25 Aug 2015	2	6	3	5	4	3	3	14
26 Aug 2015	2	6	3	5	4	3	3	14
27 Aug 2015	2*	5*	3*	4*	3*	4*	3*	11*
28 Aug 2015	2*	5*	3*	4*	3*	4*	3*	11*
29 Aug 2015	2*	5*	3*	4*	3*	4*	3*	11*
30 Aug 2015	2*	5*	3*	4*	3*	4*	3*	11*
31 Aug 2015	2*	5*	3*	4*	3*	4*	3*	11*

* Geometric mean calculated using an n<5

Table 2.3

Summary of compliance with the 2012 Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the SBOO shore stations located north of the USA/Mexico border. 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 Aug 2015	3*	107	9	8*	12*	4*	19	26*
02 Aug 2015	3*	107	9	8*	12*	4*	19	26*
03 Aug 2015	3*	107	9	8*	12*	4*	19	26*
04 Aug 2015	4	83	8	7	8	3	16	16
05 Aug 2015	4	83	8	7	8	3	16	16
06 Aug 2015	4*	123	11	10*	9*	4*	24	16*
07 Aug 2015	4*	123	11	10*	9*	4*	24	16*
08 Aug 2015	4*	123	11	10*	9*	4*	24	16*
09 Aug 2015	4*	123	11	10*	9*	4*	24	16*
10 Aug 2015	4*	123	11	10*	9*	4*	24	16*
11 Aug 2015	3	75	9	7	7	3	16	10
12 Aug 2015	3	75	9	7	7	3	16	10
13 Aug 2015	3*	105	11	6*	9*	3*	24	12*
14 Aug 2015	3*	105	11	6*	9*	3*	24	12*
15 Aug 2015	3*	105	11	6*	9*	3*	24	12*
16 Aug 2015	3*	105	11	6*	9*	3*	24	12*
17 Aug 2015	3*	105	11	6*	9*	3*	24	12*
18 Aug 2015	4	90	8	7	10	3	21	13
19 Aug 2015	4	90	8	7	10	3	21	13
20 Aug 2015	5*	41	3	4*	6*	2*	9	9*
21 Aug 2015	5*	41	3	4*	6*	2*	9	9*
22 Aug 2015	5*	19	3*	4*	6*	2*	6*	9*
23 Aug 2015	5*	13*	3*	4*	6*	2*	6*	9*
24 Aug 2015	5*	13*	3*	4*	6*	2*	6*	9*
25 Aug 2015	4	13	5	3	6	2	7	10
26 Aug 2015	4	13	5	3	6	2	7	10
27 Aug 2015	5*	13*	6*	4*	4*	2*	6*	6*
28 Aug 2015	5*	13*	6*	4*	4*	2*	6*	6*
29 Aug 2015	5*	13*	6*	4*	4*	2*	6*	6*
30 Aug 2015	5*	13*	6*	4*	4*	2*	6*	6*
31 Aug 2015	5*	13*	6*	4*	4*	2*	6*	6*

* Geometric mean calculated using an n<5

Table 2.4

Summary of compliance at the SBOO shore stations located north of the USA/Mexico border with the 2012 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
04 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.5

Summary of compliance at the SBOO shore stations located north of the USA/Mexico border with the 2012 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
04 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.6

Summary of compliance at the SBOO shore stations located north of the USA/Mexico border with the 2012 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
04 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.7

Summary of compliance at the SBOO shore stations located north of the USA/Mexico border with the 2012 Ocean Plan's Single Sample Maximum standard for total coliforms 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
04 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
11 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
18 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC
25 Aug 2015	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

Table 2.8

Concentrations of total coliform (Total), fecal coliform (Fecal), *Enterococcus* (Enter) and the fecal:total coliform ratio (F:T) at each SBOO shore station by sample date. Densities are reported as CFU/100 mL; F:T is unitless. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Enter	F:T
S0	04 Aug 2015	1111	100e	18e	16e	0.180
S0	11 Aug 2015	1125	<20	2e	2e	0.100
S0	18 Aug 2015	1030	<20	<2	6e	0.100
S0	25 Aug 2015	1120	120e	6e	48	0.050
S2	04 Aug 2015	1015	<20	<2	2e	0.100
S2	11 Aug 2015	930	<2	<2	<2	1.000
S2	18 Aug 2015	940	820	6e	140e	0.007
S2	25 Aug 2015	1155	940	14e	180e	0.015
S3	04 Aug 2015	937	<2	<2	<2	1.000
S3	11 Aug 2015	1000	<2	<2	<2	1.000
S3	18 Aug 2015	920	<20	2e	<2	0.100
S3	25 Aug 2015	1240	<2	<2	<2	1.000
S4	04 Aug 2015	1045	100e	<2	12e	0.020
S4	11 Aug 2015	1046	8e	<2	<2	0.250
S4	18 Aug 2015	741	60e	4e	12e	0.067
S4	25 Aug 2015	1012	20e	<2	2e	0.100
S5	04 Aug 2015	856	60e	16e	18e	0.267
S5	11 Aug 2015	856	6e	<2	4e	0.333
S5	18 Aug 2015	801	20e	8e	36e	0.400
S5	25 Aug 2015	849	20e	<2	12e	0.100
S6	04 Aug 2015	909	60e	<2	6e	0.033
S6	11 Aug 2015	913	4e	<2	4e	0.500
S6	18 Aug 2015	810	<20	<2	2e	0.100
S6	25 Aug 2015	900	20e	8e	24e	0.400
S8	04 Aug 2015	817	<20	2e	4e	0.100
S8	11 Aug 2015	815	<20	<2	<2	0.100
S8	18 Aug 2015	728	<20	4e	12e	0.200
S8	25 Aug 2015	729	<20	<20	2e	1.000
S9	04 Aug 2015	750	<20	6e	<2	0.300
S9	11 Aug 2015	754	<20	<2	2e	0.100
S9	18 Aug 2015	709	40e	<2	20e	0.050
S9	25 Aug 2015	712	<20	<2	4e	0.100
S10	04 Aug 2015	1053	<20	<2	<2	0.100
S10	11 Aug 2015	1055	<2	<2	<2	1.000
S10	18 Aug 2015	750	20e	20e	4e	1.000
S10	25 Aug 2015	1017	<20	2e	<2	0.100
S11	04 Aug 2015	903	<20	2e	6e	0.100
S11	11 Aug 2015	906	<20	<2	<2	0.100
S11	18 Aug 2015	806	<2	<2	12e	1.000
S11	25 Aug 2015	856	<20	6e	12e	0.300

Station	Date	Time	Total	Fecal	Enteric	F:T
S12	04 Aug 2015	922	20e	<2	<2	0.100
S12	11 Aug 2015	926	60e	6e	2e	0.100
S12	18 Aug 2015	818	120e	20e	20e	0.167
S12	25 Aug 2015	910	60e	60e	16e	1.000

ns = not sampled

Table 2.9

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

Station	Date	Parameter	Value
S0	04 Aug 2015	Arrive Time	1111
S0	04 Aug 2015	Weather	Sunny
S0	04 Aug 2015	Wind Speed (kts)	3.6
S0	04 Aug 2015	Wind Dir	NE
S0	04 Aug 2015	Animal Life	5 Shorebirds; 1 Dog
S0	04 Aug 2015	Floatables	None
S0	04 Aug 2015	Water Color	Green
S0	04 Aug 2015	Current Direction	N
S0	04 Aug 2015	Water Temp (C)	20
S0	04 Aug 2015	Wave Height Low (ft)	3
S0	04 Aug 2015	High Tide (ft)	5.1
S0	04 Aug 2015	High Tide Time	1302
S0	04 Aug 2015	Low Tide (ft)	0.1
S0	04 Aug 2015	Low Tide Time	641
S0	04 Aug 2015	Comments	Kelp; 4 Persons; Water clear; Flow from stormdrain 0.5 L/sec
S0	11 Aug 2015	Arrive Time	1125
S0	11 Aug 2015	Weather	Sunny
S0	11 Aug 2015	Wind Speed (kts)	4.7
S0	11 Aug 2015	Wind Dir	NE
S0	11 Aug 2015	Animal Life	5 Shorebirds
S0	11 Aug 2015	Floatables	None
S0	11 Aug 2015	Water Color	Green
S0	11 Aug 2015	Current Direction	N
S0	11 Aug 2015	Water Temp (C)	19.9
S0	11 Aug 2015	Wave Height Low (ft)	3
S0	11 Aug 2015	High Tide (ft)	4.1
S0	11 Aug 2015	High Tide Time	839
S0	11 Aug 2015	Low Tide (ft)	1.8
S0	11 Aug 2015	Low Tide Time	1349
S0	11 Aug 2015	Comments	Kelp; 7 Persons; Water clear; Flow from stormdrain 0.5 L/sec
S0	18 Aug 2015	Arrive Time	1030
S0	18 Aug 2015	Weather	Sunny
S0	18 Aug 2015	Wind Speed (kts)	3.6
S0	18 Aug 2015	Wind Dir	SE
S0	18 Aug 2015	Animal Life	10 Shorebirds; 1 Dog
S0	18 Aug 2015	Floatables	None
S0	18 Aug 2015	Water Color	Green
S0	18 Aug 2015	Current Direction	N

Station	Date	Parameter	Value
S0	18 Aug 2015	Water Temp (C)	22.8
S0	18 Aug 2015	Wave Height Low (ft)	4
S0	18 Aug 2015	High Tide (ft)	4.6
S0	18 Aug 2015	High Tide Time	1200
S0	18 Aug 2015	Low Tide (ft)	0.8
S0	18 Aug 2015	Low Tide Time	546
S0	18 Aug 2015	Comments	Kelp; 2 Persons; Water clear; Flow from stormdrain 0.5 L/sec.
S0	25 Aug 2015	Arrive Time	1120
S0	25 Aug 2015	Weather	Cloudy
S0	25 Aug 2015	Wind Speed (kts)	2
S0	25 Aug 2015	Wind Dir	NW
S0	25 Aug 2015	Animal Life	>10 Shorebirds; 2 Dogs
S0	25 Aug 2015	Floatables	None
S0	25 Aug 2015	Water Color	Green
S0	25 Aug 2015	Current Direction	N
S0	25 Aug 2015	Water Temp (C)	22.4
S0	25 Aug 2015	Wave Height Low (ft)	2
S0	25 Aug 2015	High Tide (ft)	3.6
S0	25 Aug 2015	High Tide Time	716
S0	25 Aug 2015	Low Tide (ft)	2.3
S0	25 Aug 2015	Low Tide Time	1215
S0	25 Aug 2015	Comments	Kelp; 4 Persons; Water clear; Flow from stormdrain 1.5 L/sec
S2	04 Aug 2015	Arrive Time	1015
S2	04 Aug 2015	Weather	Sunny
S2	04 Aug 2015	Wind Speed (kts)	3.6
S2	04 Aug 2015	Wind Dir	NE
S2	04 Aug 2015	Animal Life	10 Shorebirds; 2 Dogs
S2	04 Aug 2015	Floatables	None
S2	04 Aug 2015	Water Color	Green
S2	04 Aug 2015	Current Direction	S
S2	04 Aug 2015	Water Temp (C)	19.9
S2	04 Aug 2015	Wave Height Low (ft)	4
S2	04 Aug 2015	High Tide (ft)	5.1
S2	04 Aug 2015	High Tide Time	1302
S2	04 Aug 2015	Low Tide (ft)	0.1
S2	04 Aug 2015	Low Tide Time	641
S2	04 Aug 2015	Comments	Kelp; 7 Persons; Water clear; No flow from stormdrain
S2	11 Aug 2015	Arrive Time	930
S2	11 Aug 2015	Weather	Cloudy
S2	11 Aug 2015	Wind Speed (kts)	4
S2	11 Aug 2015	Wind Dir	NE

Station	Date	Parameter	Value
S2	11 Aug 2015	Animal Life	30 Shorebirds; 20 Dolphins
S2	11 Aug 2015	Floatables	None
S2	11 Aug 2015	Water Color	Green
S2	11 Aug 2015	Current Direction	N
S2	11 Aug 2015	Water Temp (C)	20.1
S2	11 Aug 2015	Wave Height Low (ft)	3
S2	11 Aug 2015	High Tide (ft)	4.1
S2	11 Aug 2015	High Tide Time	839
S2	11 Aug 2015	Low Tide (ft)	1.8
S2	11 Aug 2015	Low Tide Time	1349
S2	11 Aug 2015	Comments	Kelp; 1 Fisherman; Water clear; No flow from stormdrain
S2	18 Aug 2015	Arrive Time	940
S2	18 Aug 2015	Weather	Sunny
S2	18 Aug 2015	Wind Speed (kts)	2.8
S2	18 Aug 2015	Wind Dir	SE
S2	18 Aug 2015	Animal Life	10 Shorebirds
S2	18 Aug 2015	Floatables	None
S2	18 Aug 2015	Water Color	Green
S2	18 Aug 2015	Current Direction	N
S2	18 Aug 2015	Water Temp (C)	22.6
S2	18 Aug 2015	Wave Height Low (ft)	4
S2	18 Aug 2015	High Tide (ft)	4.6
S2	18 Aug 2015	High Tide Time	1200
S2	18 Aug 2015	Low Tide (ft)	0.8
S2	18 Aug 2015	Low Tide Time	546
S2	18 Aug 2015	Comments	Kelp; 6 Persons; Water clear; No flow from stormdrain
S2	25 Aug 2015	Arrive Time	1155
S2	25 Aug 2015	Weather	Cloudy
S2	25 Aug 2015	Wind Speed (kts)	3.6
S2	25 Aug 2015	Wind Dir	NW
S2	25 Aug 2015	Animal Life	>10 Shorebirds; 2 Dolphins
S2	25 Aug 2015	Floatables	None
S2	25 Aug 2015	Water Color	Green
S2	25 Aug 2015	Current Direction	N
S2	25 Aug 2015	Water Temp (C)	22.4
S2	25 Aug 2015	Wave Height Low (ft)	2
S2	25 Aug 2015	High Tide (ft)	3.6
S2	25 Aug 2015	High Tide Time	716
S2	25 Aug 2015	Low Tide (ft)	2.3
S2	25 Aug 2015	Low Tide Time	1215
S2	25 Aug 2015	Comments	Kelp; Seagrass; 10 Persons; Water clear; Flow from stormdrain 1.5 L/sec

Station	Date	Parameter	Value
S3	04 Aug 2015	Arrive Time	937
S3	04 Aug 2015	Weather	Sunny
S3	04 Aug 2015	Wind Speed (kts)	2.7
S3	04 Aug 2015	Wind Dir	NE
S3	04 Aug 2015	Animal Life	10 Shorebirds; 2 Dogs
S3	04 Aug 2015	Floatables	None
S3	04 Aug 2015	Water Color	Green
S3	04 Aug 2015	Current Direction	N
S3	04 Aug 2015	Water Temp (C)	19.8
S3	04 Aug 2015	Wave Height Low (ft)	4
S3	04 Aug 2015	High Tide (ft)	5.1
S3	04 Aug 2015	High Tide Time	1302
S3	04 Aug 2015	Low Tide (ft)	0.1
S3	04 Aug 2015	Low Tide Time	641
S3	04 Aug 2015	Comments	Kelp; 30 Persons; Water clear; No flow from stormdrain
S3	11 Aug 2015	Arrive Time	1000
S3	11 Aug 2015	Weather	Cloudy
S3	11 Aug 2015	Wind Speed (kts)	2.9
S3	11 Aug 2015	Wind Dir	NE
S3	11 Aug 2015	Animal Life	5 Shorebirds
S3	11 Aug 2015	Floatables	None
S3	11 Aug 2015	Water Color	Green
S3	11 Aug 2015	Current Direction	N
S3	11 Aug 2015	Water Temp (C)	21.8
S3	11 Aug 2015	Wave Height Low (ft)	3
S3	11 Aug 2015	High Tide (ft)	4.1
S3	11 Aug 2015	High Tide Time	839
S3	11 Aug 2015	Low Tide (ft)	1.8
S3	11 Aug 2015	Low Tide Time	1349
S3	11 Aug 2015	Comments	Kelp; 10 Persons; Water clear; Flow from stormdrain 0.5 L/sec
S3	18 Aug 2015	Arrive Time	920
S3	18 Aug 2015	Weather	Cloudy
S3	18 Aug 2015	Wind Speed (kts)	4.3
S3	18 Aug 2015	Wind Dir	SE
S3	18 Aug 2015	Animal Life	10 Shorebirds
S3	18 Aug 2015	Floatables	None
S3	18 Aug 2015	Water Color	Green
S3	18 Aug 2015	Current Direction	N
S3	18 Aug 2015	Water Temp (C)	22.5
S3	18 Aug 2015	Wave Height Low (ft)	4
S3	18 Aug 2015	High Tide (ft)	4.6
S3	18 Aug 2015	High Tide Time	1200
S3	18 Aug 2015	Low Tide (ft)	0.8

Station	Date	Parameter	Value
S3	18 Aug 2015	Low Tide Time	546
S3	18 Aug 2015	Comments	Kelp; 10 Persons; 1 Surfer; Water clear; No flow from stormdrain
S3	25 Aug 2015	Arrive Time	1240
S3	25 Aug 2015	Weather	Cloudy
S3	25 Aug 2015	Wind Speed (kts)	2.8
S3	25 Aug 2015	Wind Dir	NW
S3	25 Aug 2015	Animal Life	>10 Shorebirds
S3	25 Aug 2015	Floatables	None
S3	25 Aug 2015	Water Color	Green
S3	25 Aug 2015	Current Direction	N
S3	25 Aug 2015	Water Temp (C)	22.3
S3	25 Aug 2015	Wave Height Low (ft)	2
S3	25 Aug 2015	High Tide (ft)	3.6
S3	25 Aug 2015	High Tide Time	716
S3	25 Aug 2015	Low Tide (ft)	2.3
S3	25 Aug 2015	Low Tide Time	1215
S3	25 Aug 2015	Comments	Kelp; Seagrass; 10 Persons; Water clear; No flow from stormdrain
S4	04 Aug 2015	Arrive Time	1045
S4	04 Aug 2015	Weather	Sunny
S4	04 Aug 2015	Wind Speed (kts)	3.1
S4	04 Aug 2015	Wind Dir	W
S4	04 Aug 2015	Animal Life	None
S4	04 Aug 2015	Floatables	None
S4	04 Aug 2015	Water Color	Green
S4	04 Aug 2015	Current Direction	S
S4	04 Aug 2015	Water Temp (C)	21
S4	04 Aug 2015	Wave Height Low (ft)	2
S4	04 Aug 2015	High Tide (ft)	5.1
S4	04 Aug 2015	High Tide Time	1302
S4	04 Aug 2015	Low Tide (ft)	0.1
S4	04 Aug 2015	Low Tide Time	641
S4	04 Aug 2015	Comments	Kelp; Seagrass; Water clear
S4	11 Aug 2015	Arrive Time	1046
S4	11 Aug 2015	Weather	Sunny
S4	11 Aug 2015	Wind Speed (kts)	3.6
S4	11 Aug 2015	Wind Dir	NW
S4	11 Aug 2015	Animal Life	None
S4	11 Aug 2015	Floatables	None
S4	11 Aug 2015	Water Color	Green
S4	11 Aug 2015	Current Direction	S
S4	11 Aug 2015	Water Temp (C)	22.8
S4	11 Aug 2015	Wave Height Low (ft)	2

Station	Date	Parameter	Value
S4	11 Aug 2015	High Tide (ft)	4.1
S4	11 Aug 2015	High Tide Time	839
S4	11 Aug 2015	Low Tide (ft)	1.8
S4	11 Aug 2015	Low Tide Time	1349
S4	11 Aug 2015	Comments	Kelp; Seagrass; Water clear; Shredded white plastic/paper
S4	18 Aug 2015	Arrive Time	741
S4	18 Aug 2015	Weather	Cloudy
S4	18 Aug 2015	Wind Speed (kts)	3
S4	18 Aug 2015	Wind Dir	SW
S4	18 Aug 2015	Animal Life	None
S4	18 Aug 2015	Floatables	None
S4	18 Aug 2015	Water Color	Green
S4	18 Aug 2015	Current Direction	SW
S4	18 Aug 2015	Water Temp (C)	22
S4	18 Aug 2015	Wave Height Low (ft)	2
S4	18 Aug 2015	High Tide (ft)	4.6
S4	18 Aug 2015	High Tide Time	1200
S4	18 Aug 2015	Low Tide (ft)	0.8
S4	18 Aug 2015	Low Tide Time	546
S4	18 Aug 2015	Comments	Kelp; Seagrass; Water clear; Park ranger informed sampler, oarfish washed ashore.
S4	25 Aug 2015	Arrive Time	1012
S4	25 Aug 2015	Weather	Overcast
S4	25 Aug 2015	Wind Speed (kts)	8.3
S4	25 Aug 2015	Wind Dir	W
S4	25 Aug 2015	Animal Life	11 Birds
S4	25 Aug 2015	Floatables	None
S4	25 Aug 2015	Water Color	Green
S4	25 Aug 2015	Current Direction	N
S4	25 Aug 2015	Water Temp (C)	22.4
S4	25 Aug 2015	Wave Height Low (ft)	2
S4	25 Aug 2015	High Tide (ft)	3.6
S4	25 Aug 2015	High Tide Time	716
S4	25 Aug 2015	Low Tide (ft)	2.3
S4	25 Aug 2015	Low Tide Time	1215
S4	25 Aug 2015	Comments	Kelp; Seagrass; Water clear
S5	04 Aug 2015	Arrive Time	856
S5	04 Aug 2015	Weather	Sunny
S5	04 Aug 2015	Wind Speed (kts)	3.2
S5	04 Aug 2015	Wind Dir	W
S5	04 Aug 2015	Animal Life	None
S5	04 Aug 2015	Floatables	None
S5	04 Aug 2015	Water Color	Green

Station	Date	Parameter	Value
S5	04 Aug 2015	Current Direction	S
S5	04 Aug 2015	Water Temp (C)	23
S5	04 Aug 2015	Wave Height Low (ft)	2
S5	04 Aug 2015	High Tide (ft)	5.1
S5	04 Aug 2015	High Tide Time	1302
S5	04 Aug 2015	Low Tide (ft)	0.1
S5	04 Aug 2015	Low Tide Time	641
S5	04 Aug 2015	Comments	Kelp; Seagrass; Water clear
S5	11 Aug 2015	Arrive Time	856
S5	11 Aug 2015	Weather	Cloudy
S5	11 Aug 2015	Wind Speed (kts)	4.4
S5	11 Aug 2015	Wind Dir	NW
S5	11 Aug 2015	Animal Life	None
S5	11 Aug 2015	Floatables	None
S5	11 Aug 2015	Water Color	Green
S5	11 Aug 2015	Current Direction	S
S5	11 Aug 2015	Water Temp (C)	22.6
S5	11 Aug 2015	Wave Height Low (ft)	2
S5	11 Aug 2015	High Tide (ft)	4.1
S5	11 Aug 2015	High Tide Time	839
S5	11 Aug 2015	Low Tide (ft)	1.8
S5	11 Aug 2015	Low Tide Time	1349
S5	11 Aug 2015	Comments	Kelp; Seagrass; 1 Person; Water clear
S5	18 Aug 2015	Arrive Time	801
S5	18 Aug 2015	Weather	Cloudy
S5	18 Aug 2015	Wind Speed (kts)	4.8
S5	18 Aug 2015	Wind Dir	SW
S5	18 Aug 2015	Animal Life	3 Birds
S5	18 Aug 2015	Floatables	None
S5	18 Aug 2015	Water Color	Green
S5	18 Aug 2015	Current Direction	N
S5	18 Aug 2015	Water Temp (C)	121.8
S5	18 Aug 2015	Wave Height Low (ft)	1
S5	18 Aug 2015	High Tide (ft)	4.6
S5	18 Aug 2015	High Tide Time	1200
S5	18 Aug 2015	Low Tide (ft)	0.8
S5	18 Aug 2015	Low Tide Time	546
S5	18 Aug 2015	Comments	Kelp; Seagrass; Water clear
S5	25 Aug 2015	Arrive Time	849
S5	25 Aug 2015	Weather	Overcast
S5	25 Aug 2015	Wind Speed (kts)	3.8
S5	25 Aug 2015	Wind Dir	W
S5	25 Aug 2015	Animal Life	2 Birds
S5	25 Aug 2015	Floatables	None

Station	Date	Parameter	Value
S5	25 Aug 2015	Water Color	Green
S5	25 Aug 2015	Current Direction	N
S5	25 Aug 2015	Water Temp (C)	22
S5	25 Aug 2015	Wave Height Low (ft)	1
S5	25 Aug 2015	High Tide (ft)	3.6
S5	25 Aug 2015	High Tide Time	716
S5	25 Aug 2015	Low Tide (ft)	2.3
S5	25 Aug 2015	Low Tide Time	1215
S5	25 Aug 2015	Comments	Kelp; Seagrass; Water clear
S6	04 Aug 2015	Arrive Time	909
S6	04 Aug 2015	Weather	Sunny
S6	04 Aug 2015	Wind Speed (kts)	5.8
S6	04 Aug 2015	Wind Dir	NW
S6	04 Aug 2015	Animal Life	None
S6	04 Aug 2015	Floatables	None
S6	04 Aug 2015	Water Color	Green
S6	04 Aug 2015	Current Direction	S
S6	04 Aug 2015	Water Temp (C)	21.2
S6	04 Aug 2015	Wave Height Low (ft)	3
S6	04 Aug 2015	High Tide (ft)	5.1
S6	04 Aug 2015	High Tide Time	1302
S6	04 Aug 2015	Low Tide (ft)	0.1
S6	04 Aug 2015	Low Tide Time	641
S6	04 Aug 2015	Comments	Kelp; Seagrass; Water clear
S6	11 Aug 2015	Arrive Time	913
S6	11 Aug 2015	Weather	Cloudy
S6	11 Aug 2015	Wind Speed (kts)	5.2
S6	11 Aug 2015	Wind Dir	NW
S6	11 Aug 2015	Animal Life	None
S6	11 Aug 2015	Floatables	None
S6	11 Aug 2015	Water Color	Green
S6	11 Aug 2015	Current Direction	S
S6	11 Aug 2015	Water Temp (C)	21.4
S6	11 Aug 2015	Wave Height Low (ft)	2
S6	11 Aug 2015	High Tide (ft)	4.1
S6	11 Aug 2015	High Tide Time	839
S6	11 Aug 2015	Low Tide (ft)	1.8
S6	11 Aug 2015	Low Tide Time	1349
S6	11 Aug 2015	Comments	Kelp; Seagrass; Water clear; Shredded white plastic/paper
S6	18 Aug 2015	Arrive Time	810
S6	18 Aug 2015	Weather	Cloudy
S6	18 Aug 2015	Wind Speed (kts)	4.5
S6	18 Aug 2015	Wind Dir	SW

Station	Date	Parameter	Value
S6	18 Aug 2015	Animal Life	None
S6	18 Aug 2015	Floatables	None
S6	18 Aug 2015	Water Color	Green
S6	18 Aug 2015	Current Direction	N
S6	18 Aug 2015	Water Temp (C)	21.8
S6	18 Aug 2015	Wave Height Low (ft)	2
S6	18 Aug 2015	High Tide (ft)	4.6
S6	18 Aug 2015	High Tide Time	1200
S6	18 Aug 2015	Low Tide (ft)	0.8
S6	18 Aug 2015	Low Tide Time	546
S6	18 Aug 2015	Comments	Kelp; Seagrass; Water clear
S6	25 Aug 2015	Arrive Time	900
S6	25 Aug 2015	Weather	Overcast
S6	25 Aug 2015	Wind Speed (kts)	3.5
S6	25 Aug 2015	Wind Dir	W
S6	25 Aug 2015	Animal Life	2 Shorebirds
S6	25 Aug 2015	Floatables	None
S6	25 Aug 2015	Water Color	Green
S6	25 Aug 2015	Current Direction	N
S6	25 Aug 2015	Water Temp (C)	22.4
S6	25 Aug 2015	Wave Height Low (ft)	2
S6	25 Aug 2015	High Tide (ft)	3.6
S6	25 Aug 2015	High Tide Time	716
S6	25 Aug 2015	Low Tide (ft)	2.3
S6	25 Aug 2015	Low Tide Time	1215
S6	25 Aug 2015	Comments	Kelp; Seagrass; Water clear
S8	04 Aug 2015	Arrive Time	817
S8	04 Aug 2015	Weather	Cloudy
S8	04 Aug 2015	Wind Speed (kts)	4.4
S8	04 Aug 2015	Wind Dir	NW
S8	04 Aug 2015	Animal Life	None
S8	04 Aug 2015	Floatables	None
S8	04 Aug 2015	Water Color	Green
S8	04 Aug 2015	Current Direction	NW
S8	04 Aug 2015	Water Temp (C)	21
S8	04 Aug 2015	Wave Height Low (ft)	2
S8	04 Aug 2015	High Tide (ft)	5.1
S8	04 Aug 2015	High Tide Time	1302
S8	04 Aug 2015	Low Tide (ft)	0.1
S8	04 Aug 2015	Low Tide Time	641
S8	04 Aug 2015	Comments	Kelp; Seagrass; Water clear
S8	11 Aug 2015	Arrive Time	815
S8	11 Aug 2015	Weather	Cloudy
S8	11 Aug 2015	Wind Speed (kts)	2.5

Station	Date	Parameter	Value
S8	11 Aug 2015	Wind Dir	NW
S8	11 Aug 2015	Animal Life	None
S8	11 Aug 2015	Floatables	None
S8	11 Aug 2015	Water Color	Green
S8	11 Aug 2015	Current Direction	S
S8	11 Aug 2015	Water Temp (C)	21.2
S8	11 Aug 2015	Wave Height Low (ft)	2
S8	11 Aug 2015	High Tide (ft)	4.1
S8	11 Aug 2015	High Tide Time	839
S8	11 Aug 2015	Low Tide (ft)	1.8
S8	11 Aug 2015	Low Tide Time	1349
S8	11 Aug 2015	Comments	Kelp; Seagrass; Water clear
S8	18 Aug 2015	Arrive Time	728
S8	18 Aug 2015	Weather	Cloudy
S8	18 Aug 2015	Wind Speed (kts)	6.2
S8	18 Aug 2015	Wind Dir	SW
S8	18 Aug 2015	Animal Life	5 Birds
S8	18 Aug 2015	Floatables	None
S8	18 Aug 2015	Water Color	Green
S8	18 Aug 2015	Current Direction	N
S8	18 Aug 2015	Water Temp (C)	21.8
S8	18 Aug 2015	Wave Height Low (ft)	2
S8	18 Aug 2015	High Tide (ft)	4.6
S8	18 Aug 2015	High Tide Time	1200
S8	18 Aug 2015	Low Tide (ft)	0.8
S8	18 Aug 2015	Low Tide Time	546
S8	18 Aug 2015	Comments	Kelp; Seagrass; Water clear
S8	25 Aug 2015	Arrive Time	729
S8	25 Aug 2015	Weather	Overcast
S8	25 Aug 2015	Wind Speed (kts)	1.1
S8	25 Aug 2015	Wind Dir	W
S8	25 Aug 2015	Animal Life	None
S8	25 Aug 2015	Floatables	None
S8	25 Aug 2015	Water Color	Green
S8	25 Aug 2015	Current Direction	N
S8	25 Aug 2015	Water Temp (C)	22
S8	25 Aug 2015	Wave Height Low (ft)	1
S8	25 Aug 2015	High Tide (ft)	3.6
S8	25 Aug 2015	High Tide Time	716
S8	25 Aug 2015	Low Tide (ft)	2.3
S8	25 Aug 2015	Low Tide Time	1215
S8	25 Aug 2015	Comments	Kelp; Seagrass; 1 Person; Water clear
S9	04 Aug 2015	Arrive Time	750
S9	04 Aug 2015	Weather	Cloudy

Station	Date	Parameter	Value
S9	04 Aug 2015	Wind Speed (kts)	3.6
	04 Aug 2015	Wind Dir	SW
	04 Aug 2015	Animal Life	None
	04 Aug 2015	Floatables	None
	04 Aug 2015	Water Color	Green
	04 Aug 2015	Current Direction	S
	04 Aug 2015	Water Temp (C)	19.4
	04 Aug 2015	Wave Height Low (ft)	2
	04 Aug 2015	High Tide (ft)	5.1
	04 Aug 2015	High Tide Time	1302
	04 Aug 2015	Low Tide (ft)	0.1
	04 Aug 2015	Low Tide Time	641
	04 Aug 2015	Comments	Kelp; Seagrass; 5 Persons; Water clear
	11 Aug 2015	Arrive Time	754
S9	11 Aug 2015	Weather	Cloudy
	11 Aug 2015	Wind Speed (kts)	0.9
	11 Aug 2015	Wind Dir	NW
	11 Aug 2015	Animal Life	None
	11 Aug 2015	Floatables	None
	11 Aug 2015	Water Color	Green
	11 Aug 2015	Current Direction	S
	11 Aug 2015	Water Temp (C)	20.2
	11 Aug 2015	Wave Height Low (ft)	2
	11 Aug 2015	High Tide (ft)	4.1
	11 Aug 2015	High Tide Time	839
	11 Aug 2015	Low Tide (ft)	-0.3
	11 Aug 2015	Low Tide Time	222
	11 Aug 2015	Comments	Kelp; Seagrass; 4 Joggers; Water clear
S9	18 Aug 2015	Arrive Time	709
	18 Aug 2015	Weather	Cloudy
	18 Aug 2015	Wind Speed (kts)	4.4
	18 Aug 2015	Wind Dir	SW
	18 Aug 2015	Animal Life	2 Birds
	18 Aug 2015	Floatables	None
	18 Aug 2015	Water Color	Green
	18 Aug 2015	Current Direction	N
	18 Aug 2015	Water Temp (C)	21.6
	18 Aug 2015	Wave Height Low (ft)	1
	18 Aug 2015	High Tide (ft)	4.6
	18 Aug 2015	High Tide Time	1200
	18 Aug 2015	Low Tide (ft)	0.8
	18 Aug 2015	Low Tide Time	546
	18 Aug 2015	Comments	Kelp; Seagrass; Water turbid
S9	25 Aug 2015	Arrive Time	712

Station	Date	Parameter	Value
S9	25 Aug 2015	Weather	Overcast
	25 Aug 2015	Wind Speed (kts)	3.6
	25 Aug 2015	Wind Dir	W
	25 Aug 2015	Animal Life	8 Birds
	25 Aug 2015	Floatables	None
	25 Aug 2015	Water Color	Green
	25 Aug 2015	Current Direction	N
	25 Aug 2015	Water Temp (C)	22
	25 Aug 2015	Wave Height Low (ft)	1
	25 Aug 2015	High Tide (ft)	3.6
	25 Aug 2015	High Tide Time	716
	25 Aug 2015	Low Tide (ft)	2.3
	25 Aug 2015	Low Tide Time	1215
	25 Aug 2015	Comments	Kelp; Seagrass; Water clear
S10	04 Aug 2015	Arrive Time	1053
	04 Aug 2015	Weather	Sunny
	04 Aug 2015	Wind Speed (kts)	5.6
	04 Aug 2015	Wind Dir	NW
	04 Aug 2015	Animal Life	None
	04 Aug 2015	Floatables	None
	04 Aug 2015	Water Color	Green
	04 Aug 2015	Current Direction	S
	04 Aug 2015	Water Temp (C)	22.1
	04 Aug 2015	Wave Height Low (ft)	3
	04 Aug 2015	High Tide (ft)	5.1
	04 Aug 2015	High Tide Time	1302
	04 Aug 2015	Low Tide (ft)	0.1
	04 Aug 2015	Low Tide Time	641
S10	04 Aug 2015	Comments	Kelp; Seagrass; Water clear; Flow at dairy mart rd 8/4/15 @1133
	11 Aug 2015	Arrive Time	1055
S10	11 Aug 2015	Weather	Sunny
	11 Aug 2015	Wind Speed (kts)	5.6
	11 Aug 2015	Wind Dir	NW
	11 Aug 2015	Animal Life	None
	11 Aug 2015	Floatables	None
	11 Aug 2015	Water Color	Green
	11 Aug 2015	Current Direction	S
	11 Aug 2015	Water Temp (C)	22.4
	11 Aug 2015	Wave Height Low (ft)	2
	11 Aug 2015	High Tide (ft)	4.1
	11 Aug 2015	High Tide Time	839
	11 Aug 2015	Low Tide (ft)	1.8
	11 Aug 2015	Low Tide Time	1349

Station	Date	Parameter	Value
S10	11 Aug 2015	Comments	Kelp; Seagrass; Water clear; Shredded white plastic/paper
S10	18 Aug 2015	Arrive Time	750
S10	18 Aug 2015	Weather	Cloudy
S10	18 Aug 2015	Wind Speed (kts)	5
S10	18 Aug 2015	Wind Dir	SW
S10	18 Aug 2015	Animal Life	None
S10	18 Aug 2015	Floatables	None
S10	18 Aug 2015	Water Color	Colorless
S10	18 Aug 2015	Current Direction	SW
S10	18 Aug 2015	Water Temp (C)	22
S10	18 Aug 2015	Wave Height Low (ft)	2
S10	18 Aug 2015	High Tide (ft)	4.6
S10	18 Aug 2015	High Tide Time	1200
S10	18 Aug 2015	Low Tide (ft)	0.8
S10	18 Aug 2015	Low Tide Time	546
S10	18 Aug 2015	Comments	Kelp; Seagrass; Water clear; No flow observed at dairymart Rd. at 0815 081815.
S10	25 Aug 2015	Arrive Time	1017
S10	25 Aug 2015	Weather	Overcast
S10	25 Aug 2015	Wind Speed (kts)	6.4
S10	25 Aug 2015	Wind Dir	W
S10	25 Aug 2015	Animal Life	None
S10	25 Aug 2015	Floatables	None
S10	25 Aug 2015	Water Color	Green
S10	25 Aug 2015	Current Direction	N
S10	25 Aug 2015	Water Temp (C)	22.4
S10	25 Aug 2015	Wave Height Low (ft)	2
S10	25 Aug 2015	High Tide (ft)	3.6
S10	25 Aug 2015	High Tide Time	716
S10	25 Aug 2015	Low Tide (ft)	2.3
S10	25 Aug 2015	Low Tide Time	1215
S10	25 Aug 2015	Comments	Kelp; Seagrass; Water clear; Dairymart is dry 1045
S11	04 Aug 2015	Arrive Time	903
S11	04 Aug 2015	Weather	Sunny
S11	04 Aug 2015	Wind Speed (kts)	4.8
S11	04 Aug 2015	Wind Dir	NW
S11	04 Aug 2015	Animal Life	None
S11	04 Aug 2015	Floatables	None
S11	04 Aug 2015	Water Color	Green
S11	04 Aug 2015	Current Direction	S
S11	04 Aug 2015	Water Temp (C)	21
S11	04 Aug 2015	Wave Height Low (ft)	3

Station	Date	Parameter	Value
S11	04 Aug 2015	High Tide (ft)	5.1
S11	04 Aug 2015	High Tide Time	1302
S11	04 Aug 2015	Low Tide (ft)	0.1
S11	04 Aug 2015	Low Tide Time	641
S11	04 Aug 2015	Comments	Kelp; Seagrass; Water clear
S11	11 Aug 2015	Arrive Time	906
S11	11 Aug 2015	Weather	Cloudy
S11	11 Aug 2015	Wind Speed (kts)	4.2
S11	11 Aug 2015	Wind Dir	NW
S11	11 Aug 2015	Animal Life	None
S11	11 Aug 2015	Floatables	None
S11	11 Aug 2015	Water Color	Green
S11	11 Aug 2015	Current Direction	S
S11	11 Aug 2015	Water Temp (C)	21.4
S11	11 Aug 2015	Wave Height Low (ft)	2
S11	11 Aug 2015	High Tide (ft)	4.1
S11	11 Aug 2015	High Tide Time	839
S11	11 Aug 2015	Low Tide (ft)	1.8
S11	11 Aug 2015	Low Tide Time	1349
S11	11 Aug 2015	Comments	Kelp; Seagrass; Water clear; Shredded white plastic/paper
S11	18 Aug 2015	Arrive Time	806
S11	18 Aug 2015	Weather	Cloudy
S11	18 Aug 2015	Wind Speed (kts)	5.4
S11	18 Aug 2015	Wind Dir	SW
S11	18 Aug 2015	Animal Life	None
S11	18 Aug 2015	Floatables	None
S11	18 Aug 2015	Water Color	Green
S11	18 Aug 2015	Current Direction	N
S11	18 Aug 2015	Water Temp (C)	21.8
S11	18 Aug 2015	Wave Height Low (ft)	2
S11	18 Aug 2015	High Tide (ft)	4.6
S11	18 Aug 2015	High Tide Time	1200
S11	18 Aug 2015	Low Tide (ft)	0.8
S11	18 Aug 2015	Low Tide Time	546
S11	18 Aug 2015	Comments	Kelp; Seagrass; Water clear
S11	25 Aug 2015	Arrive Time	856
S11	25 Aug 2015	Weather	Overcast
S11	25 Aug 2015	Wind Speed (kts)	3.3
S11	25 Aug 2015	Wind Dir	W
S11	25 Aug 2015	Animal Life	None
S11	25 Aug 2015	Floatables	None
S11	25 Aug 2015	Water Color	Green
S11	25 Aug 2015	Current Direction	N

Station	Date	Parameter	Value
S11	25 Aug 2015	Water Temp (C)	22.4
S11	25 Aug 2015	Wave Height Low (ft)	2
S11	25 Aug 2015	High Tide (ft)	3.6
S11	25 Aug 2015	High Tide Time	716
S11	25 Aug 2015	Low Tide (ft)	2.3
S11	25 Aug 2015	Low Tide Time	1215
S11	25 Aug 2015	Comments	Kelp; Seagrass; Water clear
S12	04 Aug 2015	Arrive Time	922
S12	04 Aug 2015	Weather	Sunny
S12	04 Aug 2015	Wind Speed (kts)	3.6
S12	04 Aug 2015	Wind Dir	NW
S12	04 Aug 2015	Animal Life	None
S12	04 Aug 2015	Floatables	None
S12	04 Aug 2015	Water Color	Green
S12	04 Aug 2015	Current Direction	S
S12	04 Aug 2015	Water Temp (C)	22.3
S12	04 Aug 2015	Wave Height Low (ft)	2
S12	04 Aug 2015	High Tide (ft)	5.1
S12	04 Aug 2015	High Tide Time	1302
S12	04 Aug 2015	Low Tide (ft)	0.1
S12	04 Aug 2015	Low Tide Time	641
S12	04 Aug 2015	Comments	Kelp; Seagrass; 3 Persons; Water clear
S12	11 Aug 2015	Arrive Time	926
S12	11 Aug 2015	Weather	Cloudy
S12	11 Aug 2015	Wind Speed (kts)	5.2
S12	11 Aug 2015	Wind Dir	NW
S12	11 Aug 2015	Animal Life	2 Dogs
S12	11 Aug 2015	Floatables	None
S12	11 Aug 2015	Water Color	Green
S12	11 Aug 2015	Current Direction	NW
S12	11 Aug 2015	Water Temp (C)	21.2
S12	11 Aug 2015	Wave Height Low (ft)	2
S12	11 Aug 2015	High Tide (ft)	4.1
S12	11 Aug 2015	High Tide Time	839
S12	11 Aug 2015	Low Tide (ft)	1.8
S12	11 Aug 2015	Low Tide Time	1349
S12	11 Aug 2015	Comments	Kelp; Seagrass; 2 Persons; Water clear; Shredded white plastic/paper
S12	18 Aug 2015	Arrive Time	818
S12	18 Aug 2015	Weather	Cloudy
S12	18 Aug 2015	Wind Speed (kts)	2.7
S12	18 Aug 2015	Wind Dir	SW
S12	18 Aug 2015	Animal Life	4 Birds
S12	18 Aug 2015	Floatables	None

Station	Date	Parameter	Value
S12	18 Aug 2015	Water Color	Green
S12	18 Aug 2015	Current Direction	N
S12	18 Aug 2015	Water Temp (C)	21.8
S12	18 Aug 2015	Wave Height Low (ft)	2
S12	18 Aug 2015	High Tide (ft)	4.6
S12	18 Aug 2015	High Tide Time	1200
S12	18 Aug 2015	Low Tide (ft)	0.8
S12	18 Aug 2015	Low Tide Time	546
S12	18 Aug 2015	Comments	Kelp; Seagrass; 1 Person; Water clear
S12	25 Aug 2015	Arrive Time	910
S12	25 Aug 2015	Weather	Overcast
S12	25 Aug 2015	Wind Speed (kts)	3.4
S12	25 Aug 2015	Wind Dir	W
S12	25 Aug 2015	Animal Life	None
S12	25 Aug 2015	Floatables	None
S12	25 Aug 2015	Water Color	Green
S12	25 Aug 2015	Current Direction	N
S12	25 Aug 2015	Water Temp (C)	22.5
S12	25 Aug 2015	Wave Height Low (ft)	2
S12	25 Aug 2015	High Tide (ft)	3.6
S12	25 Aug 2015	High Tide Time	716
S12	25 Aug 2015	Low Tide (ft)	2.3
S12	25 Aug 2015	Low Tide Time	1215
S12	25 Aug 2015	Comments	Kelp; Seagrass; Water clear

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KELP BED STATIONS

Table 3.1

Summary of compliance with the 2012 Ocean Plan's 30-day Geometric Mean standard for total coliforms 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 >1000 CFU/100 mL exceed the standard.

Date	I19	I24	I25	I26	I32	I39	I40
01 Aug 2015	6	4	4	3	8	2	8
02 Aug 2015	6	4	4	3	8	2	8
03 Aug 2015	6	4	4	3	8	2	8
04 Aug 2015	6	4	4	3	8	2	8
05 Aug 2015	5	3	4	3	8	2	10
06 Aug 2015	5	3	4	3	6	2	10
07 Aug 2015	5	3	4	3	6	2	10
08 Aug 2015	5	3	4	3	6	2	10
09 Aug 2015	5	3	4	3	6	2	10
10 Aug 2015	5	4	4	3	7	2	10
11 Aug 2015	5	4	4	3	7	2	10
12 Aug 2015	4*	5*	5*	3*	8*	3*	11*
13 Aug 2015	3	4	4	4	8	2	8
14 Aug 2015	3	4	4	4	8	2	8
15 Aug 2015	3	4	4	4	8	2	8
16 Aug 2015	3*	5*	5*	5*	11*	3*	8*
17 Aug 2015	3*	5*	5*	5*	11*	3*	8*
18 Aug 2015	3*	5*	5*	5*	11*	3*	8*
19 Aug 2015	3	4	4	4	8	3	6
20 Aug 2015	3	4	4	4	8	3	6
21 Aug 2015	3*	3*	3*	3*	5*	2*	5*
22 Aug 2015	3*	3*	3*	3*	5*	2*	5*
23 Aug 2015	3*	3*	3*	3*	5*	2*	5*
24 Aug 2015	3*	3*	3*	3*	5*	2*	5*
25 Aug 2015	4	3	4	3	6	2	4
26 Aug 2015	4	3	4	3	6	2	4
27 Aug 2015	4	3	4	3	6	2	4
28 Aug 2015	6*	2*	3*	3*	4*	2*	4*
29 Aug 2015	6*	2*	3*	3*	4*	2*	4*
30 Aug 2015	4	2	3	3	4	2	4
31 Aug 2015	4	2	3	3	4	2	4

* Geometric mean calculated using an n<5

Table 3.2

Summary of compliance with the 2012 Ocean Plan's 30-day Geometric Mean standard for fecal coliform 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 Aug 2015	2	3	3	2	4	2	2
02 Aug 2015	2	3	3	2	4	2	2
03 Aug 2015	2	3	3	2	4	2	2
04 Aug 2015	2	3	3	2	4	2	2
05 Aug 2015	2	3	3	2	4	2	2
06 Aug 2015	2	3	3	2	3	2	2
07 Aug 2015	2	3	3	2	3	2	2
08 Aug 2015	2	3	3	2	3	2	2
09 Aug 2015	2	3	3	2	3	2	2
10 Aug 2015	2	3	3	2	4	2	2
11 Aug 2015	2	3	3	2	4	2	2
12 Aug 2015	2*	4*	3*	3*	4*	2*	2*
13 Aug 2015	2	3	3	2	4	2	2
14 Aug 2015	2	3	3	2	4	2	2
15 Aug 2015	2	3	3	2	4	2	2
16 Aug 2015	2*	4*	3*	3*	4*	2*	2*
17 Aug 2015	2*	4*	3*	3*	4*	2*	2*
18 Aug 2015	2*	4*	3*	3*	4*	2*	2*
19 Aug 2015	2	3	3	2	4	2	2
20 Aug 2015	2	3	3	2	4	2	2
21 Aug 2015	2*	2*	2*	2*	3*	2*	2*
22 Aug 2015	2*	2*	2*	2*	3*	2*	2*
23 Aug 2015	2*	2*	2*	2*	3*	2*	2*
24 Aug 2015	2*	2*	2*	2*	3*	2*	2*
25 Aug 2015	2	2	2	2	3	2	2
26 Aug 2015	2	2	2	2	3	2	2
27 Aug 2015	2	2	2	2	3	2	2
28 Aug 2015	2*	2*	2*	2*	2*	2*	2*
29 Aug 2015	2*	2*	2*	2*	2*	2*	2*
30 Aug 2015	2	2	2	2	2	2	2
31 Aug 2015	2	2	2	2	2	2	2

* Geometric mean calculated using an n<5

Table 3.3

Summary of compliance with the 2012 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 Aug 2015	2	2	2	2	3	2	2
02 Aug 2015	2	2	2	2	3	2	2
03 Aug 2015	2	2	2	2	3	2	2
04 Aug 2015	2	2	2	2	3	2	2
05 Aug 2015	2	2	3	2	3	2	2
06 Aug 2015	2	2	3	2	3	2	2
07 Aug 2015	2	2	3	2	3	2	2
08 Aug 2015	2	2	3	2	3	2	2
09 Aug 2015	2	2	3	2	3	2	2
10 Aug 2015	2	2	3	2	3	2	2
11 Aug 2015	2	2	3	2	3	2	2
12 Aug 2015	2*	2*	3*	2*	3*	2*	2*
13 Aug 2015	2	2	3	2	3	2	2
14 Aug 2015	2	2	3	2	3	2	2
15 Aug 2015	2	2	3	2	3	2	2
16 Aug 2015	2*	2*	3*	2*	3*	2*	2*
17 Aug 2015	2*	2*	3*	2*	3*	2*	2*
18 Aug 2015	2*	2*	3*	2*	3*	2*	2*
19 Aug 2015	2	2	3	2	3	2	2
20 Aug 2015	2	2	3	2	3	2	2
21 Aug 2015	2*	2*	3*	2*	3*	2*	2*
22 Aug 2015	2*	2*	3*	2*	3*	2*	2*
23 Aug 2015	2*	2*	3*	2*	3*	2*	2*
24 Aug 2015	2*	2*	3*	2*	3*	2*	2*
25 Aug 2015	2	2	3	2	3	2	2
26 Aug 2015	2	2	3	2	3	2	2
27 Aug 2015	2	2	3	2	3	2	2
28 Aug 2015	2*	2*	3*	2*	2*	2*	2*
29 Aug 2015	2*	2*	3*	2*	2*	2*	2*
30 Aug 2015	2	2	3	2	2	2	2
31 Aug 2015	2	2	3	2	2	2	2

* Geometric mean calculated using an n<5

Table 3.4

Summary of compliance at the SBOO kelp stations with the 2012 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
05 Aug 2015	IC	IC	IC	IC	ns	IC	IC
06 Aug 2015	ns	ns	ns	ns	IC	ns	ns
13 Aug 2015	IC						
19 Aug 2015	IC						
25 Aug 2015	IC						
30 Aug 2015	IC						

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.5

Summary of compliance at the SBOO kelp stations with the 2012 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
05 Aug 2015	IC	IC	IC	IC	ns	IC	IC
06 Aug 2015	ns	ns	ns	ns	IC	ns	ns
13 Aug 2015	IC						
19 Aug 2015	IC						
25 Aug 2015	IC						
30 Aug 2015	IC						

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.6

Summary of compliance at the SBOO kelp stations with the 2012 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
05 Aug 2015	IC	IC	IC	IC	ns	IC	IC
06 Aug 2015	ns	ns	ns	ns	IC	ns	ns
13 Aug 2015	IC						
19 Aug 2015	IC						
25 Aug 2015	IC						
30 Aug 2015	IC						

IC = In Compliance

E = Exceedance

ns = not sampled

Table 3.7

Summary of compliance at the SBOO kelp stations with the 2012 Ocean Plan's Single Sample Maximum standard for total coliforms 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
05 Aug 2015	IC	IC	IC	IC	ns	IC	IC
06 Aug 2015	ns	ns	ns	ns	IC	ns	ns
13 Aug 2015	IC						
19 Aug 2015	IC						
25 Aug 2015	IC						
30 Aug 2015	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* (Enter) 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. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Enter	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I19	05 Aug 2015	947	2	<2	<2	<2	1.00	19.3	70.50	7.8	33.30	8.2	<0.2	<0.2
I19	05 Aug 2015	947	6	<2	<2	<2	1.00	15.9	76.84	8.6	33.22	8.2	ns	<0.2
I19	05 Aug 2015	947	11	<2	<2	<2	1.00	14.8	45.50	7.5	33.22	8.1	ns	<0.2
I19	13 Aug 2015	1132	2	<2	<2	<2	1.00	20.9	83.63	7.4	33.35	8.2	ns	ns
I19	13 Aug 2015	1132	6	<2	<2	<2	1.00	18.5	88.72	8.2	33.31	8.2	ns	ns
I19	13 Aug 2015	1132	11	<2	<2	<2	1.00	15.8	82.25	8.2	33.24	8.2	ns	ns
I19	19 Aug 2015	1104	2	<2	<2	<2	1.00	22.7	83.52	7.5	33.38	8.2	ns	ns
I19	19 Aug 2015	1104	6	<2	<2	<2	1.00	22.1	78.04	7.4	33.30	8.2	ns	ns
I19	19 Aug 2015	1104	11	<20	<2	<2	0.10	19.9	79.38	8.0	33.26	8.2	ns	ns
I19	25 Aug 2015	1127	2	<20	2e	2e	0.10	22.4	64.97	7.8	33.36	8.0	ns	ns
I19	25 Aug 2015	1127	6	40e	<2	<2	0.05	22.3	66.80	7.8	33.36	8.0	ns	ns
I19	25 Aug 2015	1127	11	26e	<2	<2	0.08	20.1	73.69	7.1	33.33	7.9	ns	ns
I19	30 Aug 2015	1127	2	<2	<2	<2	1.00	24.0	84.76	7.0	33.45	8.2	ns	ns
I19	30 Aug 2015	1127	6	<2	<2	<2	1.00	20.0	87.17	7.5	33.33	8.2	ns	ns
I19	30 Aug 2015	1127	11	<2	<2	<2	1.00	19.0	74.44	7.3	33.32	8.1	ns	ns
I24	05 Aug 2015	921	2	<2	<2	<2	1.00	19.3	82.40	8.1	33.32	8.2	<0.2	<0.2
I24	05 Aug 2015	921	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
I24	05 Aug 2015	921	6	<2	<2	<2	1.00	17.9	67.95	7.9	33.27	8.2	ns	4.5
I24	05 Aug 2015	921	11	<2	<2	2e	1.00	14.9	49.47	7.3	33.23	8.1	ns	9.4
I24	13 Aug 2015	1158	2	<2	<2	<2	1.00	20.9	91.01	7.7	33.37	8.2	ns	ns
I24	13 Aug 2015	1158	6	<2	<2	<2	1.00	17.4	83.89	8.6	33.27	8.2	ns	ns
I24	13 Aug 2015	1158	11	<2	<2	<2	1.00	15.9	74.05	8.4	33.24	8.2	ns	ns
I24	19 Aug 2015	1136	2	<2	<2	<2	1.00	22.7	89.04	7.4	33.41	8.2	ns	ns
I24	19 Aug 2015	1136	6	<2	<2	<2	1.00	21.6	85.35	7.8	33.33	8.2	ns	ns
I24	19 Aug 2015	1136	11	<2	<2	<2	1.00	19.5	84.49	8.3	33.28	8.2	ns	ns
I24	25 Aug 2015	1152	2	2e	<2	<2	1.00	22.4	85.02	7.5	33.42	8.0	ns	ns
I24	25 Aug 2015	1152	6	<2	<2	<2	1.00	22.1	85.40	7.6	33.38	8.0	ns	ns
I24	25 Aug 2015	1152	11	<2	<2	<2	1.00	18.6	84.30	7.7	33.29	7.9	ns	ns
I24	30 Aug 2015	1153	2	<2	<2	<2	1.00	23.8	89.36	7.1	33.45	8.2	ns	ns
I24	30 Aug 2015	1153	6	<2	<2	<2	1.00	21.3	85.82	7.4	33.34	8.2	ns	ns
I24	30 Aug 2015	1153	11	<2	<2	<2	1.00	18.8	78.02	7.5	33.29	8.2	ns	ns
I25	05 Aug 2015	909	2	<2	<2	<20	1.00	19.8	76.44	7.9	33.29	8.2	<0.2	2.8
I25	05 Aug 2015	909	6	<2	<2	<2	1.00	17.0	84.60	8.4	33.25	8.2	ns	4.6
I25	05 Aug 2015	909	9	<2	<2	<2	1.00	15.7	73.99	8.4	33.25	8.1	ns	5.0
I25	13 Aug 2015	1210	2	<2	<2	<2	1.00	20.9	88.18	7.5	33.38	8.2	ns	ns

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I25	13 Aug 2015	1210	6	<2	<2	<2	1.00	17.5	84.37	8.0	33.41	8.2	ns	ns
I25	13 Aug 2015	1210	9	<2	<2	<2	1.00	16.2	83.59	8.4	33.31	8.2	ns	ns
I25	19 Aug 2015	1145	2	<2	<2	<2	1.00	22.7	89.05	7.3	33.41	8.2	ns	ns
I25	19 Aug 2015	1145	6	<2	<2	<2	1.00	21.5	85.44	7.8	33.34	8.2	ns	ns
I25	19 Aug 2015	1145	9	<2	<2	<2	1.00	20.7	88.68	8.5	33.32	8.2	ns	ns
I25	25 Aug 2015	1200	2	<20	2e	<2	0.10	22.4	86.50	7.4	33.43	8.0	ns	ns
I25	25 Aug 2015	1200	6	<20	<2	<2	0.10	22.2	87.13	7.5	33.38	8.0	ns	ns
I25	25 Aug 2015	1200	9	<2	2e	<2	1.00	19.7	83.20	7.6	33.30	7.9	ns	ns
I25	30 Aug 2015	1203	2	<2	<2	<2	1.00	23.8	90.82	6.9	33.45	8.2	ns	ns
I25	30 Aug 2015	1203	6	<2	<2	<2	1.00	21.2	85.81	7.2	33.35	8.2	ns	ns
I25	30 Aug 2015	1203	9	<2	<2	<2	1.00	19.6	75.70	7.2	33.32	8.1	ns	ns
I26	05 Aug 2015	854	2	<2	<2	<2	1.00	19.6	83.85	7.9	33.33	8.2	<0.2	3.3
I26	05 Aug 2015	854	6	<2	<2	<2	1.00	17.3	85.12	8.4	33.25	8.2	ns	4.7
I26	05 Aug 2015	854	9	2e	<2	<2	1.00	15.2	74.98	8.2	33.24	8.1	ns	2.9
I26	13 Aug 2015	1226	2	<2	<2	<2	1.00	20.2	89.90	7.6	33.34	8.2	ns	ns
I26	13 Aug 2015	1226	6	<20	2e	2e	0.10	17.6	87.76	7.9	33.29	8.2	ns	ns
I26	13 Aug 2015	1226	9	<2	<2	<2	1.00	16.7	84.29	7.9	33.28	8.2	ns	ns
I26	19 Aug 2015	1158	2	<2	<2	<2	1.00	22.6	82.80	7.6	33.35	8.2	ns	ns
I26	19 Aug 2015	1158	6	<2	<2	<2	1.00	22.0	85.93	7.4	33.36	8.2	ns	ns
I26	19 Aug 2015	1158	9	<2	<2	<2	1.00	21.1	86.38	7.5	33.33	8.2	ns	ns
I26	25 Aug 2015	1212	2	<2	2e	<2	1.00	22.6	76.80	7.8	33.39	8.0	ns	ns
I26	25 Aug 2015	1212	6	<2	2e	<2	1.00	22.4	78.39	7.6	33.38	8.0	ns	ns
I26	25 Aug 2015	1212	9	<2	<2	<2	1.00	20.6	81.05	7.2	33.32	7.9	ns	ns
I26	30 Aug 2015	1212	2	<2	<2	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I26	30 Aug 2015	1212	6	<2	<2	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I26	30 Aug 2015	1212	9	<2	<2	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I32	06 Aug 2015	1000	2	<2	<2	<2	1.00	20.1	83.17	7.5	33.31	8.1	<0.2	3.0
I32	06 Aug 2015	1000	6	<2	<2	<2	1.00	16.2	85.67	8.5	33.21	8.1	ns	<0.2
I32	06 Aug 2015	1000	9	2e	<2	<2	1.00	15.3	40.86	7.7	33.24	8.0	ns	8.8
I32	13 Aug 2015	1242	2	<2	<2	<2	1.00	20.7	87.82	7.6	33.35	8.2	ns	ns
I32	13 Aug 2015	1242	6	<2	<2	<2	1.00	18.9	85.25	7.7	33.28	8.2	ns	ns
I32	13 Aug 2015	1242	9	<20	<2	<2	0.10	17.0	83.32	8.1	33.27	8.2	ns	ns
I32	19 Aug 2015	1214	2	<2	<2	<2	1.00	22.8	83.69	7.5	33.39	8.2	ns	ns
I32	19 Aug 2015	1214	6	<2	<2	<2	1.00	22.5	85.26	7.5	33.38	8.2	ns	ns
I32	19 Aug 2015	1214	9	2e	<2	<2	1.00	22.1	83.63	7.5	33.35	8.2	ns	ns
I32	25 Aug 2015	1225	2	4e	<2	<2	0.50	22.7	77.15	7.6	33.40	8.0	ns	ns
I32	25 Aug 2015	1225	6	<20	2e	<2	0.10	22.7	79.82	7.6	33.40	8.0	ns	ns
I32	25 Aug 2015	1225	9	4e	4e	2e	1.00	21.6	78.58	7.7	33.32	8.0	ns	ns
I32	30 Aug 2015	1245	2	<2	<2	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I32	30 Aug 2015	1245	6	<2	<2	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I32	30 Aug 2015	1245	9	<2	2e	<2	1.00	ns	ns	ns	ns	ns	ns	ns
I39	05 Aug 2015	840	2	<2	<2	<2	1.00	19.0	83.89	8.2	33.32	8.2	<0.2	3.2

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I39	05 Aug 2015	840	12	<2	<2	<2	1.00	14.5	81.40	7.6	33.23	8.1	ns	<0.2
I39	05 Aug 2015	840	18	2e	<2	<2	1.00	13.6	79.16	7.1	33.24	8.1	ns	3.7
I39	13 Aug 2015	1113	2	<2	<2	<2	1.00	20.9	89.89	7.4	33.38	8.2	ns	ns
I39	13 Aug 2015	1113	12	2e	<2	<2	1.00	16.1	90.85	8.3	33.26	8.2	ns	ns
I39	13 Aug 2015	1113	18	<2	<2	<2	1.00	14.8	89.39	8.1	33.23	8.2	ns	ns
I39	19 Aug 2015	1041	2	<2	<2	<2	1.00	22.5	91.07	7.2	33.42	8.2	ns	ns
I39	19 Aug 2015	1041	12	<2	<2	<2	1.00	20.1	89.98	8.1	33.30	8.2	ns	ns
I39	19 Aug 2015	1041	18	4e	<2	<2	0.50	17.6	87.20	8.1	33.27	8.2	ns	ns
I39	25 Aug 2015	1100	2	<2	<2	<2	1.00	22.7	84.37	7.5	33.41	8.0	ns	ns
I39	25 Aug 2015	1100	12	<2	<2	<2	1.00	18.7	86.21	8.0	33.28	8.0	ns	ns
I39	25 Aug 2015	1100	18	<2	<2	<2	1.00	17.4	89.46	7.8	33.27	7.9	ns	ns
I39	30 Aug 2015	1053	2	<2	<2	<2	1.00	23.4	90.79	6.8	33.45	8.2	ns	ns
I39	30 Aug 2015	1053	12	<2	2e	<2	1.00	18.4	91.73	7.8	33.32	8.2	ns	ns
I39	30 Aug 2015	1053	18	<2	<2	<2	1.00	17.5	88.85	7.8	33.28	8.2	ns	ns
I40	05 Aug 2015	930	2	<20	<2	<2	0.10	19.8	72.22	7.8	33.27	8.2	<0.2	3.9
I40	05 Aug 2015	930	6	<20	<2	2e	0.10	16.3	70.25	8.3	33.23	8.2	ns	3.7
I40	05 Aug 2015	930	9	20e	<2	<2	0.10	14.8	38.04	7.6	33.23	8.1	ns	9.0
I40	13 Aug 2015	1146	2	<2	<2	<2	1.00	20.5	81.44	7.6	33.35	8.2	ns	ns
I40	13 Aug 2015	1146	6	<2	<2	<2	1.00	17.8	86.39	8.3	33.29	8.2	ns	ns
I40	13 Aug 2015	1146	9	<2	<2	<2	1.00	16.6	71.93	8.1	33.25	8.2	ns	ns
I40	19 Aug 2015	1125	2	<2	<2	<2	1.00	22.7	84.49	7.4	33.38	8.2	ns	ns
I40	19 Aug 2015	1125	6	<2	<2	<2	1.00	22.2	84.60	7.7	33.33	8.2	ns	ns
I40	19 Aug 2015	1125	9	<2	<2	<2	1.00	20.5	81.41	8.0	33.26	8.2	ns	ns
I40	25 Aug 2015	1141	2	<2	<2	<2	1.00	22.6	77.55	7.8	33.40	8.0	ns	ns
I40	25 Aug 2015	1141	6	<2	<2	<2	1.00	22.5	76.75	7.6	33.38	8.0	ns	ns
I40	25 Aug 2015	1141	9	<2	<2	<2	1.00	20.1	77.25	7.4	33.30	7.9	ns	ns
I40	30 Aug 2015	1142	2	<2	<2	<2	1.00	23.8	81.19	7.1	33.44	8.2	ns	ns
I40	30 Aug 2015	1142	6	2e	<2	<2	1.00	21.7	86.57	7.3	33.36	8.2	ns	ns
I40	30 Aug 2015	1142	9	<20	<2	<2	0.10	19.4	69.63	7.5	33.32	8.2	ns	ns

ns = not sampled

Comments

Station	Date	Depth	Parameter	Comments
I26	30 Aug 2015			No CTD data due to malfunction
I32	30 Aug 2015			No CTD data due to malfunction

Table 3.9

Summary of visual observations made during the month at the SBOO kelp stations for each sample date.

Station	Date	Parameter	Value
I19	05 Aug 2015	Depth (m)	11
I19	05 Aug 2015	Arrive Time	947
I19	05 Aug 2015	Depart Time	1003
I19	05 Aug 2015	Air Temp (C)	21
I19	05 Aug 2015	Weather	Partly Cloudy
I19	05 Aug 2015	Visibility (mi)	8
I19	05 Aug 2015	Wind Speed (kts)	2
I19	05 Aug 2015	Wind Dir	W
I19	05 Aug 2015	Water Color	Bluish-Green
I19	05 Aug 2015	Wave Ht Low (ft)	4
I19	05 Aug 2015	Wave Period (sec)	7
I19	05 Aug 2015	Sea State	Wind ripples
I19	05 Aug 2015	High Tide (ft)	5.15
I19	05 Aug 2015	High Tide Time	1357
I19	05 Aug 2015	Low Tide (ft)	0.7
I19	05 Aug 2015	Low Tide Time	727
I19	05 Aug 2015	Comments	
I19	13 Aug 2015	Depth (m)	12
I19	13 Aug 2015	Arrive Time	1132
I19	13 Aug 2015	Depart Time	1139
I19	13 Aug 2015	Air Temp (C)	22
I19	13 Aug 2015	Weather	Partly Cloudy
I19	13 Aug 2015	Visibility (mi)	5
I19	13 Aug 2015	Wind Speed (kts)	5
I19	13 Aug 2015	Wind Dir	E
I19	13 Aug 2015	Water Color	Green
I19	13 Aug 2015	Wave Ht Low (ft)	3
I19	13 Aug 2015	Wave Period (sec)	9
I19	13 Aug 2015	Sea State	Light chop
I19	13 Aug 2015	High Tide (ft)	4.4
I19	13 Aug 2015	High Tide Time	941
I19	13 Aug 2015	Low Tide (ft)	1.52
I19	13 Aug 2015	Low Tide Time	1507
I19	13 Aug 2015	Comments	
I19	19 Aug 2015	Depth (m)	11
I19	19 Aug 2015	Arrive Time	1104
I19	19 Aug 2015	Depart Time	1112
I19	19 Aug 2015	Air Temp (C)	21
I19	19 Aug 2015	Weather	Cloudy
I19	19 Aug 2015	Visibility (mi)	12

Station	Date	Parameter	Value
I19	19 Aug 2015	Wind Speed (kts)	4
I19	19 Aug 2015	Wind Dir	E
I19	19 Aug 2015	Water Color	Green
I19	19 Aug 2015	Wave Ht Low (ft)	3
I19	19 Aug 2015	Wave Period (sec)	11
I19	19 Aug 2015	Sea State	Wind ripples
I19	19 Aug 2015	High Tide (ft)	4.49
I19	19 Aug 2015	High Tide Time	1233
I19	19 Aug 2015	Low Tide (ft)	1.18
I19	19 Aug 2015	Low Tide Time	612
I19	19 Aug 2015	Comments	
I19	25 Aug 2015	Depth (m)	11
I19	25 Aug 2015	Arrive Time	1127
I19	25 Aug 2015	Depart Time	1134
I19	25 Aug 2015	Air Temp (C)	21
I19	25 Aug 2015	Weather	Cloudy
I19	25 Aug 2015	Visibility (mi)	7
I19	25 Aug 2015	Wind Speed (kts)	10
I19	25 Aug 2015	Wind Dir	S
I19	25 Aug 2015	Water Color	Brownish-Green
I19	25 Aug 2015	Wave Ht Low (ft)	3
I19	25 Aug 2015	Wave Period (sec)	13
I19	25 Aug 2015	Sea State	Heavy chop
I19	25 Aug 2015	High Tide (ft)	3.64
I19	25 Aug 2015	High Tide Time	716
I19	25 Aug 2015	Low Tide (ft)	2.28
I19	25 Aug 2015	Low Tide Time	1215
I19	25 Aug 2015	Comments	
I19	30 Aug 2015	Depth (m)	12
I19	30 Aug 2015	Arrive Time	1127
I19	30 Aug 2015	Depart Time	1134
I19	30 Aug 2015	Air Temp (C)	23
I19	30 Aug 2015	Weather	Clear
I19	30 Aug 2015	Visibility (mi)	18
I19	30 Aug 2015	Wind Speed (kts)	5
I19	30 Aug 2015	Wind Dir	NW
I19	30 Aug 2015	Water Color	Greenish-Blue
I19	30 Aug 2015	Wave Ht Low (ft)	4
I19	30 Aug 2015	Wave Period (sec)	11
I19	30 Aug 2015	Sea State	Calm
I19	30 Aug 2015	High Tide (ft)	5.49
I19	30 Aug 2015	High Tide Time	1014
I19	30 Aug 2015	Low Tide (ft)	-0.67
I19	30 Aug 2015	Low Tide Time	408
I19	30 Aug 2015	Comments	

Station	Date	Parameter	Value
I24	05 Aug 2015	Depth (m)	10
I24	05 Aug 2015	Arrive Time	921
I24	05 Aug 2015	Depart Time	928
I24	05 Aug 2015	Air Temp (C)	21
I24	05 Aug 2015	Weather	Partly Cloudy
I24	05 Aug 2015	Visibility (mi)	8
I24	05 Aug 2015	Wind Speed (kts)	1
I24	05 Aug 2015	Wind Dir	NE
I24	05 Aug 2015	Water Color	Bluish-Green
I24	05 Aug 2015	Wave Ht Low (ft)	4
I24	05 Aug 2015	Wave Period (sec)	7
I24	05 Aug 2015	Sea State	Wind ripples
I24	05 Aug 2015	High Tide (ft)	5.15
I24	05 Aug 2015	High Tide Time	1357
I24	05 Aug 2015	Low Tide (ft)	0.7
I24	05 Aug 2015	Low Tide Time	727
I24	05 Aug 2015	Comments	Low Tide; Unable to obtain station depth
I24	13 Aug 2015	Depth (m)	11
I24	13 Aug 2015	Arrive Time	1158
I24	13 Aug 2015	Depart Time	1207
I24	13 Aug 2015	Air Temp (C)	22
I24	13 Aug 2015	Weather	Partly Cloudy
I24	13 Aug 2015	Visibility (mi)	5
I24	13 Aug 2015	Wind Speed (kts)	11
I24	13 Aug 2015	Wind Dir	NW
I24	13 Aug 2015	Water Color	Bluish-Green
I24	13 Aug 2015	Wave Ht Low (ft)	3
I24	13 Aug 2015	Wave Period (sec)	9
I24	13 Aug 2015	Sea State	Light chop
I24	13 Aug 2015	High Tide (ft)	4.4
I24	13 Aug 2015	High Tide Time	941
I24	13 Aug 2015	Low Tide (ft)	1.52
I24	13 Aug 2015	Low Tide Time	1507
I24	13 Aug 2015	Comments	
I24	19 Aug 2015	Depth (m)	10
I24	19 Aug 2015	Arrive Time	1136
I24	19 Aug 2015	Depart Time	1141
I24	19 Aug 2015	Air Temp (C)	21
I24	19 Aug 2015	Weather	Cloudy
I24	19 Aug 2015	Visibility (mi)	12
I24	19 Aug 2015	Wind Speed (kts)	6
I24	19 Aug 2015	Wind Dir	SW
I24	19 Aug 2015	Water Color	Green
I24	19 Aug 2015	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
I24	19 Aug 2015	Wave Period (sec)	11
I24	19 Aug 2015	Sea State	Light chop
I24	19 Aug 2015	High Tide (ft)	4.49
I24	19 Aug 2015	High Tide Time	1233
I24	19 Aug 2015	Low Tide (ft)	1.18
I24	19 Aug 2015	Low Tide Time	612
I24	19 Aug 2015	Comments	
I24	25 Aug 2015	Depth (m)	10
I24	25 Aug 2015	Arrive Time	1152
I24	25 Aug 2015	Depart Time	1200
I24	25 Aug 2015	Air Temp (C)	22
I24	25 Aug 2015	Weather	Cloudy
I24	25 Aug 2015	Visibility (mi)	7
I24	25 Aug 2015	Wind Speed (kts)	6
I24	25 Aug 2015	Wind Dir	N
I24	25 Aug 2015	Water Color	Green
I24	25 Aug 2015	Wave Ht Low (ft)	3
I24	25 Aug 2015	Wave Period (sec)	13
I24	25 Aug 2015	Sea State	Heavy chop
I24	25 Aug 2015	High Tide (ft)	3.64
I24	25 Aug 2015	High Tide Time	716
I24	25 Aug 2015	Low Tide (ft)	2.28
I24	25 Aug 2015	Low Tide Time	1215
I24	25 Aug 2015	Comments	Kelp debris
I24	30 Aug 2015	Depth (m)	12
I24	30 Aug 2015	Arrive Time	1153
I24	30 Aug 2015	Depart Time	1158
I24	30 Aug 2015	Air Temp (C)	23
I24	30 Aug 2015	Weather	Clear
I24	30 Aug 2015	Visibility (mi)	18
I24	30 Aug 2015	Wind Speed (kts)	5
I24	30 Aug 2015	Wind Dir	S
I24	30 Aug 2015	Water Color	Greenish-Blue
I24	30 Aug 2015	Wave Ht Low (ft)	4
I24	30 Aug 2015	Wave Period (sec)	11
I24	30 Aug 2015	Sea State	Calm
I24	30 Aug 2015	High Tide (ft)	5.49
I24	30 Aug 2015	High Tide Time	1014
I24	30 Aug 2015	Low Tide (ft)	-0.67
I24	30 Aug 2015	Low Tide Time	408
I24	30 Aug 2015	Comments	
I25	05 Aug 2015	Depth (m)	9
I25	05 Aug 2015	Arrive Time	909
I25	05 Aug 2015	Depart Time	917

Station	Date	Parameter	Value
I25	05 Aug 2015	Air Temp (C)	21
I25	05 Aug 2015	Weather	Partly Cloudy
I25	05 Aug 2015	Visibility (mi)	8
I25	05 Aug 2015	Wind Speed (kts)	8
I25	05 Aug 2015	Wind Dir	NE
I25	05 Aug 2015	Water Color	Greenish-Blue
I25	05 Aug 2015	Wave Ht Low (ft)	4
I25	05 Aug 2015	Wave Period (sec)	7
I25	05 Aug 2015	Sea State	Wind ripples
I25	05 Aug 2015	High Tide (ft)	5.15
I25	05 Aug 2015	High Tide Time	1357
I25	05 Aug 2015	Low Tide (ft)	0.7
I25	05 Aug 2015	Low Tide Time	727
I25	05 Aug 2015	Comments	
I25	13 Aug 2015	Depth (m)	10
I25	13 Aug 2015	Arrive Time	1210
I25	13 Aug 2015	Depart Time	1220
I25	13 Aug 2015	Air Temp (C)	22
I25	13 Aug 2015	Weather	Partly Cloudy
I25	13 Aug 2015	Visibility (mi)	5
I25	13 Aug 2015	Wind Speed (kts)	10
I25	13 Aug 2015	Wind Dir	SE
I25	13 Aug 2015	Water Color	Bluish-Green
I25	13 Aug 2015	Wave Ht Low (ft)	3
I25	13 Aug 2015	Wave Period (sec)	9
I25	13 Aug 2015	Sea State	Light chop
I25	13 Aug 2015	High Tide (ft)	4.4
I25	13 Aug 2015	High Tide Time	941
I25	13 Aug 2015	Low Tide (ft)	1.52
I25	13 Aug 2015	Low Tide Time	1507
I25	13 Aug 2015	Comments	
I25	19 Aug 2015	Depth (m)	10
I25	19 Aug 2015	Arrive Time	1145
I25	19 Aug 2015	Depart Time	1150
I25	19 Aug 2015	Air Temp (C)	21
I25	19 Aug 2015	Weather	Cloudy
I25	19 Aug 2015	Visibility (mi)	12
I25	19 Aug 2015	Wind Speed (kts)	6
I25	19 Aug 2015	Wind Dir	W
I25	19 Aug 2015	Water Color	Green
I25	19 Aug 2015	Wave Ht Low (ft)	3
I25	19 Aug 2015	Wave Period (sec)	11
I25	19 Aug 2015	Sea State	Light chop
I25	19 Aug 2015	High Tide (ft)	4.49
I25	19 Aug 2015	High Tide Time	1233

Station	Date	Parameter	Value
I25	19 Aug 2015	Low Tide (ft)	1.18
I25	19 Aug 2015	Low Tide Time	612
I25	19 Aug 2015	Comments	
I25	25 Aug 2015	Depth (m)	9
I25	25 Aug 2015	Arrive Time	1200
I25	25 Aug 2015	Depart Time	1206
I25	25 Aug 2015	Air Temp (C)	22
I25	25 Aug 2015	Weather	Cloudy
I25	25 Aug 2015	Visibility (mi)	7
I25	25 Aug 2015	Wind Speed (kts)	8
I25	25 Aug 2015	Wind Dir	NE
I25	25 Aug 2015	Water Color	Green
I25	25 Aug 2015	Wave Ht Low (ft)	3
I25	25 Aug 2015	Wave Period (sec)	13
I25	25 Aug 2015	Sea State	Heavy chop
I25	25 Aug 2015	High Tide (ft)	3.64
I25	25 Aug 2015	High Tide Time	716
I25	25 Aug 2015	Low Tide (ft)	2.28
I25	25 Aug 2015	Low Tide Time	1215
I25	25 Aug 2015	Comments	
I25	30 Aug 2015	Depth (m)	10
I25	30 Aug 2015	Arrive Time	1203
I25	30 Aug 2015	Depart Time	1209
I25	30 Aug 2015	Air Temp (C)	23
I25	30 Aug 2015	Weather	Clear
I25	30 Aug 2015	Visibility (mi)	18
I25	30 Aug 2015	Wind Speed (kts)	7
I25	30 Aug 2015	Wind Dir	S
I25	30 Aug 2015	Water Color	Greenish-Blue
I25	30 Aug 2015	Wave Ht Low (ft)	4
I25	30 Aug 2015	Wave Period (sec)	11
I25	30 Aug 2015	Sea State	Calm
I25	30 Aug 2015	High Tide (ft)	5.49
I25	30 Aug 2015	High Tide Time	1014
I25	30 Aug 2015	Low Tide (ft)	-0.67
I25	30 Aug 2015	Low Tide Time	408
I25	30 Aug 2015	Comments	
I26	05 Aug 2015	Depth (m)	10
I26	05 Aug 2015	Arrive Time	854
I26	05 Aug 2015	Depart Time	903
I26	05 Aug 2015	Air Temp (C)	21
I26	05 Aug 2015	Weather	Partly Cloudy
I26	05 Aug 2015	Visibility (mi)	8
I26	05 Aug 2015	Wind Speed (kts)	4

Station	Date	Parameter	Value
I26	05 Aug 2015	Wind Dir	S
I26	05 Aug 2015	Water Color	Greenish-Blue
I26	05 Aug 2015	Wave Ht Low (ft)	4
I26	05 Aug 2015	Wave Period (sec)	7
I26	05 Aug 2015	Sea State	Wind ripples
I26	05 Aug 2015	High Tide (ft)	5.15
I26	05 Aug 2015	High Tide Time	1357
I26	05 Aug 2015	Low Tide (ft)	0.7
I26	05 Aug 2015	Low Tide Time	727
I26	05 Aug 2015	Comments	
I26	13 Aug 2015	Depth (m)	10
I26	13 Aug 2015	Arrive Time	1226
I26	13 Aug 2015	Depart Time	1232
I26	13 Aug 2015	Air Temp (C)	22
I26	13 Aug 2015	Weather	Partly Cloudy
I26	13 Aug 2015	Visibility (mi)	5
I26	13 Aug 2015	Wind Speed (kts)	9
I26	13 Aug 2015	Wind Dir	N
I26	13 Aug 2015	Water Color	Bluish-Green
I26	13 Aug 2015	Wave Ht Low (ft)	3
I26	13 Aug 2015	Wave Period (sec)	9
I26	13 Aug 2015	Sea State	Light chop
I26	13 Aug 2015	High Tide (ft)	4.4
I26	13 Aug 2015	High Tide Time	941
I26	13 Aug 2015	Low Tide (ft)	1.52
I26	13 Aug 2015	Low Tide Time	1507
I26	13 Aug 2015	Comments	Kelp debris
I26	19 Aug 2015	Depth (m)	10
I26	19 Aug 2015	Arrive Time	1158
I26	19 Aug 2015	Depart Time	1204
I26	19 Aug 2015	Air Temp (C)	21
I26	19 Aug 2015	Weather	Cloudy
I26	19 Aug 2015	Visibility (mi)	12
I26	19 Aug 2015	Wind Speed (kts)	8
I26	19 Aug 2015	Wind Dir	SE
I26	19 Aug 2015	Water Color	Green
I26	19 Aug 2015	Wave Ht Low (ft)	3
I26	19 Aug 2015	Wave Period (sec)	11
I26	19 Aug 2015	Sea State	Light chop
I26	19 Aug 2015	High Tide (ft)	4.49
I26	19 Aug 2015	High Tide Time	1233
I26	19 Aug 2015	Low Tide (ft)	1.18
I26	19 Aug 2015	Low Tide Time	612
I26	19 Aug 2015	Comments	

Station	Date	Parameter	Value
I26	25 Aug 2015	Depth (m)	10
I26	25 Aug 2015	Arrive Time	1212
I26	25 Aug 2015	Depart Time	1217
I26	25 Aug 2015	Air Temp (C)	22
I26	25 Aug 2015	Weather	Cloudy
I26	25 Aug 2015	Visibility (mi)	7
I26	25 Aug 2015	Wind Speed (kts)	10
I26	25 Aug 2015	Wind Dir	SE
I26	25 Aug 2015	Water Color	Green
I26	25 Aug 2015	Wave Ht Low (ft)	3
I26	25 Aug 2015	Wave Period (sec)	13
I26	25 Aug 2015	Sea State	Heavy chop
I26	25 Aug 2015	High Tide (ft)	3.64
I26	25 Aug 2015	High Tide Time	716
I26	25 Aug 2015	Low Tide (ft)	2.28
I26	25 Aug 2015	Low Tide Time	1215
I26	25 Aug 2015	Comments	
I26	30 Aug 2015	Depth (m)	10
I26	30 Aug 2015	Arrive Time	1212
I26	30 Aug 2015	Depart Time	1240
I26	30 Aug 2015	Air Temp (C)	22
I26	30 Aug 2015	Weather	Clear
I26	30 Aug 2015	Visibility (mi)	18
I26	30 Aug 2015	Wind Speed (kts)	12
I26	30 Aug 2015	Wind Dir	SW
I26	30 Aug 2015	Water Color	Greenish-Blue
I26	30 Aug 2015	Wave Ht Low (ft)	4
I26	30 Aug 2015	Wave Period (sec)	11
I26	30 Aug 2015	Sea State	Calm
I26	30 Aug 2015	High Tide (ft)	5.49
I26	30 Aug 2015	High Tide Time	1014
I26	30 Aug 2015	Low Tide (ft)	-0.67
I26	30 Aug 2015	Low Tide Time	408
I26	30 Aug 2015	Comments	No CTD data collected because CTD malfunction
I32	06 Aug 2015	Depth (m)	11
I32	06 Aug 2015	Arrive Time	1000
I32	06 Aug 2015	Depart Time	1004
I32	06 Aug 2015	Air Temp (C)	21
I32	06 Aug 2015	Weather	Partly Cloudy
I32	06 Aug 2015	Visibility (mi)	5
I32	06 Aug 2015	Wind Speed (kts)	5
I32	06 Aug 2015	Wind Dir	S
I32	06 Aug 2015	Water Color	Green
I32	06 Aug 2015	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
I32	06 Aug 2015	Wave Period (sec)	9
I32	06 Aug 2015	Sea State	Light chop
I32	06 Aug 2015	High Tide (ft)	5.17
I32	06 Aug 2015	High Tide Time	1459
I32	06 Aug 2015	Low Tide (ft)	1.29
I32	06 Aug 2015	Low Tide Time	822
I32	06 Aug 2015	Comments	
I32	13 Aug 2015	Depth (m)	11
I32	13 Aug 2015	Arrive Time	1242
I32	13 Aug 2015	Depart Time	1250
I32	13 Aug 2015	Air Temp (C)	22
I32	13 Aug 2015	Weather	Partly Cloudy
I32	13 Aug 2015	Visibility (mi)	5
I32	13 Aug 2015	Wind Speed (kts)	10
I32	13 Aug 2015	Wind Dir	NW
I32	13 Aug 2015	Water Color	Bluish-Green
I32	13 Aug 2015	Wave Ht Low (ft)	3
I32	13 Aug 2015	Wave Period (sec)	9
I32	13 Aug 2015	Sea State	Light chop
I32	13 Aug 2015	High Tide (ft)	4.4
I32	13 Aug 2015	High Tide Time	941
I32	13 Aug 2015	Low Tide (ft)	1.52
I32	13 Aug 2015	Low Tide Time	1507
I32	13 Aug 2015	Comments	
I32	19 Aug 2015	Depth (m)	11
I32	19 Aug 2015	Arrive Time	1214
I32	19 Aug 2015	Depart Time	1221
I32	19 Aug 2015	Air Temp (C)	22
I32	19 Aug 2015	Weather	Cloudy
I32	19 Aug 2015	Visibility (mi)	12
I32	19 Aug 2015	Wind Speed (kts)	9
I32	19 Aug 2015	Wind Dir	SW
I32	19 Aug 2015	Water Color	Green
I32	19 Aug 2015	Wave Ht Low (ft)	3
I32	19 Aug 2015	Wave Period (sec)	11
I32	19 Aug 2015	Sea State	Light chop
I32	19 Aug 2015	High Tide (ft)	4.49
I32	19 Aug 2015	High Tide Time	1233
I32	19 Aug 2015	Low Tide (ft)	1.18
I32	19 Aug 2015	Low Tide Time	612
I32	19 Aug 2015	Comments	
I32	25 Aug 2015	Depth (m)	11
I32	25 Aug 2015	Arrive Time	1225
I32	25 Aug 2015	Depart Time	1231

Station	Date	Parameter	Value
I32	25 Aug 2015	Air Temp (C)	22
I32	25 Aug 2015	Weather	Cloudy
I32	25 Aug 2015	Visibility (mi)	7
I32	25 Aug 2015	Wind Speed (kts)	8
I32	25 Aug 2015	Wind Dir	NE
I32	25 Aug 2015	Water Color	Green
I32	25 Aug 2015	Wave Ht Low (ft)	3
I32	25 Aug 2015	Wave Period (sec)	13
I32	25 Aug 2015	Sea State	Heavy chop
I32	25 Aug 2015	High Tide (ft)	3.64
I32	25 Aug 2015	High Tide Time	716
I32	25 Aug 2015	Low Tide (ft)	2.28
I32	25 Aug 2015	Low Tide Time	1215
I32	25 Aug 2015	Comments	
I32	30 Aug 2015	Depth (m)	11
I32	30 Aug 2015	Arrive Time	1245
I32	30 Aug 2015	Depart Time	1249
I32	30 Aug 2015	Air Temp (C)	22
I32	30 Aug 2015	Weather	Clear
I32	30 Aug 2015	Visibility (mi)	18
I32	30 Aug 2015	Wind Speed (kts)	5
I32	30 Aug 2015	Wind Dir	SE
I32	30 Aug 2015	Water Color	Greenish-Blue
I32	30 Aug 2015	Wave Ht Low (ft)	4
I32	30 Aug 2015	Wave Period (sec)	11
I32	30 Aug 2015	Sea State	Calm
I32	30 Aug 2015	High Tide (ft)	5.49
I32	30 Aug 2015	High Tide Time	1014
I32	30 Aug 2015	Low Tide (ft)	-0.67
I32	30 Aug 2015	Low Tide Time	408
I32	30 Aug 2015	Comments	No CTD data collected because CTD malfunction
I39	05 Aug 2015	Depth (m)	19
I39	05 Aug 2015	Arrive Time	840
I39	05 Aug 2015	Depart Time	848
I39	05 Aug 2015	Air Temp (C)	21
I39	05 Aug 2015	Weather	Partly Cloudy
I39	05 Aug 2015	Visibility (mi)	8
I39	05 Aug 2015	Wind Speed (kts)	2
I39	05 Aug 2015	Wind Dir	NE
I39	05 Aug 2015	Water Color	Greenish-Blue
I39	05 Aug 2015	Wave Ht Low (ft)	4
I39	05 Aug 2015	Wave Period (sec)	7
I39	05 Aug 2015	Sea State	Wind ripples
I39	05 Aug 2015	High Tide (ft)	5.15

Station	Date	Parameter	Value
I39	05 Aug 2015	High Tide Time	1357
I39	05 Aug 2015	Low Tide (ft)	0.7
I39	05 Aug 2015	Low Tide Time	727
I39	05 Aug 2015	Comments	
I39	13 Aug 2015	Depth (m)	20
I39	13 Aug 2015	Arrive Time	1113
I39	13 Aug 2015	Depart Time	1119
I39	13 Aug 2015	Air Temp (C)	22
I39	13 Aug 2015	Weather	Partly Cloudy
I39	13 Aug 2015	Visibility (mi)	5
I39	13 Aug 2015	Wind Speed (kts)	5
I39	13 Aug 2015	Wind Dir	N
I39	13 Aug 2015	Water Color	Bluish-Green
I39	13 Aug 2015	Wave Ht Low (ft)	3
I39	13 Aug 2015	Wave Period (sec)	9
I39	13 Aug 2015	Sea State	Light chop
I39	13 Aug 2015	High Tide (ft)	4.4
I39	13 Aug 2015	High Tide Time	941
I39	13 Aug 2015	Low Tide (ft)	1.52
I39	13 Aug 2015	Low Tide Time	1507
I39	13 Aug 2015	Comments	
I39	19 Aug 2015	Depth (m)	19
I39	19 Aug 2015	Arrive Time	1041
I39	19 Aug 2015	Depart Time	1048
I39	19 Aug 2015	Air Temp (C)	21
I39	19 Aug 2015	Weather	Cloudy
I39	19 Aug 2015	Visibility (mi)	12
I39	19 Aug 2015	Wind Speed (kts)	5
I39	19 Aug 2015	Wind Dir	E
I39	19 Aug 2015	Water Color	Green
I39	19 Aug 2015	Wave Ht Low (ft)	3
I39	19 Aug 2015	Wave Period (sec)	11
I39	19 Aug 2015	Sea State	Wind ripples
I39	19 Aug 2015	High Tide (ft)	4.49
I39	19 Aug 2015	High Tide Time	1233
I39	19 Aug 2015	Low Tide (ft)	1.18
I39	19 Aug 2015	Low Tide Time	612
I39	19 Aug 2015	Comments	Kelp; Four Sea Lions on station
I39	25 Aug 2015	Depth (m)	20
I39	25 Aug 2015	Arrive Time	1100
I39	25 Aug 2015	Depart Time	1109
I39	25 Aug 2015	Air Temp (C)	21
I39	25 Aug 2015	Weather	Rain
I39	25 Aug 2015	Visibility (mi)	7

Station	Date	Parameter	Value
I39	25 Aug 2015	Wind Speed (kts)	14
I39	25 Aug 2015	Wind Dir	E
I39	25 Aug 2015	Water Color	Bluish-Green
I39	25 Aug 2015	Wave Ht Low (ft)	3
I39	25 Aug 2015	Wave Period (sec)	13
I39	25 Aug 2015	Sea State	Heavy chop
I39	25 Aug 2015	High Tide (ft)	3.64
I39	25 Aug 2015	High Tide Time	716
I39	25 Aug 2015	Low Tide (ft)	2.28
I39	25 Aug 2015	Low Tide Time	1215
I39	25 Aug 2015	Comments	Kelp debris
I39	30 Aug 2015	Depth (m)	19
I39	30 Aug 2015	Arrive Time	1053
I39	30 Aug 2015	Depart Time	1111
I39	30 Aug 2015	Air Temp (C)	22
I39	30 Aug 2015	Weather	Clear
I39	30 Aug 2015	Visibility (mi)	18
I39	30 Aug 2015	Wind Speed (kts)	7
I39	30 Aug 2015	Wind Dir	E
I39	30 Aug 2015	Water Color	Greenish-Blue
I39	30 Aug 2015	Wave Ht Low (ft)	4
I39	30 Aug 2015	Wave Period (sec)	11
I39	30 Aug 2015	Sea State	Calm
I39	30 Aug 2015	High Tide (ft)	5.49
I39	30 Aug 2015	High Tide Time	1014
I39	30 Aug 2015	Low Tide (ft)	-0.67
I39	30 Aug 2015	Low Tide Time	408
I39	30 Aug 2015	Comments	
I40	05 Aug 2015	Depth (m)	10
I40	05 Aug 2015	Arrive Time	930
I40	05 Aug 2015	Depart Time	941
I40	05 Aug 2015	Air Temp (C)	21
I40	05 Aug 2015	Weather	Partly Cloudy
I40	05 Aug 2015	Visibility (mi)	8
I40	05 Aug 2015	Wind Speed (kts)	4
I40	05 Aug 2015	Wind Dir	N
I40	05 Aug 2015	Water Color	Bluish-Green
I40	05 Aug 2015	Wave Ht Low (ft)	4
I40	05 Aug 2015	Wave Period (sec)	7
I40	05 Aug 2015	Sea State	Wind ripples
I40	05 Aug 2015	High Tide (ft)	5.15
I40	05 Aug 2015	High Tide Time	1357
I40	05 Aug 2015	Low Tide (ft)	0.7
I40	05 Aug 2015	Low Tide Time	727
I40	05 Aug 2015	Comments	Low Tide; Unable to obtain station depth

Station	Date	Parameter	Value
I40	13 Aug 2015	Depth (m)	11
I40	13 Aug 2015	Arrive Time	1146
I40	13 Aug 2015	Depart Time	1153
I40	13 Aug 2015	Air Temp (C)	22
I40	13 Aug 2015	Weather	Partly Cloudy
I40	13 Aug 2015	Visibility (mi)	5
I40	13 Aug 2015	Wind Speed (kts)	4
I40	13 Aug 2015	Wind Dir	S
I40	13 Aug 2015	Water Color	Green
I40	13 Aug 2015	Wave Ht Low (ft)	3
I40	13 Aug 2015	Wave Period (sec)	9
I40	13 Aug 2015	Sea State	Light chop
I40	13 Aug 2015	High Tide (ft)	4.4
I40	13 Aug 2015	High Tide Time	941
I40	13 Aug 2015	Low Tide (ft)	1.52
I40	13 Aug 2015	Low Tide Time	1507
I40	13 Aug 2015	Comments	Kelp debris
I40	19 Aug 2015	Depth (m)	11
I40	19 Aug 2015	Arrive Time	1125
I40	19 Aug 2015	Depart Time	1130
I40	19 Aug 2015	Air Temp (C)	21
I40	19 Aug 2015	Weather	Cloudy
I40	19 Aug 2015	Visibility (mi)	12
I40	19 Aug 2015	Wind Speed (kts)	7
I40	19 Aug 2015	Wind Dir	E
I40	19 Aug 2015	Water Color	Green
I40	19 Aug 2015	Wave Ht Low (ft)	3
I40	19 Aug 2015	Wave Period (sec)	11
I40	19 Aug 2015	Sea State	Light chop
I40	19 Aug 2015	High Tide (ft)	4.49
I40	19 Aug 2015	High Tide Time	1233
I40	19 Aug 2015	Low Tide (ft)	1.18
I40	19 Aug 2015	Low Tide Time	612
I40	19 Aug 2015	Comments	
I40	25 Aug 2015	Depth (m)	10
I40	25 Aug 2015	Arrive Time	1141
I40	25 Aug 2015	Depart Time	1147
I40	25 Aug 2015	Air Temp (C)	22
I40	25 Aug 2015	Weather	Cloudy
I40	25 Aug 2015	Visibility (mi)	7
I40	25 Aug 2015	Wind Speed (kts)	7
I40	25 Aug 2015	Wind Dir	W
I40	25 Aug 2015	Water Color	Green
I40	25 Aug 2015	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
I40	25 Aug 2015	Wave Period (sec)	13
I40	25 Aug 2015	Sea State	Heavy chop
I40	25 Aug 2015	High Tide (ft)	3.64
I40	25 Aug 2015	High Tide Time	716
I40	25 Aug 2015	Low Tide (ft)	2.28
I40	25 Aug 2015	Low Tide Time	1215
I40	25 Aug 2015	Comments	
I40	30 Aug 2015	Depth (m)	11
I40	30 Aug 2015	Arrive Time	1142
I40	30 Aug 2015	Depart Time	1147
I40	30 Aug 2015	Air Temp (C)	23
I40	30 Aug 2015	Weather	Clear
I40	30 Aug 2015	Visibility (mi)	18
I40	30 Aug 2015	Wind Speed (kts)	4
I40	30 Aug 2015	Wind Dir	S
I40	30 Aug 2015	Water Color	Greenish-Blue
I40	30 Aug 2015	Wave Ht Low (ft)	4
I40	30 Aug 2015	Wave Period (sec)	11
I40	30 Aug 2015	Sea State	Calm
I40	30 Aug 2015	High Tide (ft)	5.49
I40	30 Aug 2015	High Tide Time	1014
I40	30 Aug 2015	Low Tide (ft)	-0.67
I40	30 Aug 2015	Low Tide Time	408
I40	30 Aug 2015	Comments	

Table 3.10

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I19	05 Aug 2015	1	20.34	71.53	7.4	33.33	8.2	23.4	0.99
	05 Aug 2015	2	19.30	70.50	7.8	33.30	8.2	23.6	1.00
	05 Aug 2015	3	18.56	71.17	8.2	33.27	8.2	23.8	1.00
	05 Aug 2015	4	17.13	75.52	8.6	33.24	8.2	24.1	1.08
	05 Aug 2015	5	16.40	77.11	8.6	33.23	8.2	24.3	1.26
	05 Aug 2015	6	15.94	76.84	8.6	33.22	8.2	24.4	1.69
	05 Aug 2015	7	15.66	74.06	8.3	33.23	8.2	24.5	2.61
	05 Aug 2015	8	15.34	66.48	8.0	33.22	8.1	24.5	3.68
	05 Aug 2015	9	15.00	61.12	7.7	33.21	8.1	24.6	5.57
	05 Aug 2015	10	14.81	45.50	7.5	33.22	8.1	24.6	7.92
I19	13 Aug 2015	1	20.95	83.63	7.4	33.36	8.2	23.3	0.66
	13 Aug 2015	2	20.90	83.63	7.4	33.35	8.2	23.3	0.65
	13 Aug 2015	3	20.32	83.79	7.5	33.34	8.2	23.4	0.61
	13 Aug 2015	4	19.66	84.68	7.8	33.31	8.2	23.6	0.55
	13 Aug 2015	5	18.74	87.42	8.1	33.31	8.2	23.8	0.54
	13 Aug 2015	6	18.48	88.72	8.2	33.31	8.2	23.9	0.54
	13 Aug 2015	7	17.32	89.48	8.2	33.24	8.2	24.1	0.76
	13 Aug 2015	8	16.39	87.34	8.2	33.24	8.2	24.3	1.06
	13 Aug 2015	9	16.11	84.96	8.2	33.24	8.2	24.4	1.52
	13 Aug 2015	10	15.75	82.25	8.2	33.24	8.2	24.4	2.33
I19	19 Aug 2015	1	22.76	83.60	7.5	33.38	8.2	22.8	1.30
	19 Aug 2015	2	22.72	83.52	7.5	33.38	8.2	22.8	1.30
	19 Aug 2015	3	22.65	83.76	7.5	33.38	8.2	22.8	1.53
	19 Aug 2015	4	22.40	83.55	7.5	33.33	8.2	22.8	2.05
	19 Aug 2015	5	22.30	80.33	7.2	33.33	8.2	22.9	2.26
	19 Aug 2015	6	22.10	78.04	7.4	33.30	8.2	22.9	2.57
	19 Aug 2015	7	21.43	78.25	7.8	33.28	8.2	23.1	3.41
	19 Aug 2015	8	20.78	78.54	7.9	33.27	8.2	23.2	3.95
	19 Aug 2015	9	20.31	78.04	8.0	33.26	8.2	23.4	3.87
	19 Aug 2015	10	19.86	79.38	8.0	33.26	8.2	23.5	3.92
I19	25 Aug 2015	1	22.41	66.16	7.8	33.36	8.0	22.9	6.82
	25 Aug 2015	2	22.41	64.97	7.8	33.36	8.0	22.9	7.06
	25 Aug 2015	3	22.41	65.57	7.8	33.36	8.0	22.9	7.83
	25 Aug 2015	4	22.40	66.74	7.8	33.36	8.0	22.9	8.24
	25 Aug 2015	5	22.37	66.57	7.8	33.35	8.0	22.9	8.44
	25 Aug 2015	6	22.33	66.80	7.8	33.36	8.0	22.9	8.63
	25 Aug 2015	7	22.23	67.25	7.6	33.35	8.0	22.9	8.12
	25 Aug 2015	8	21.47	68.52	7.3	33.31	8.0	23.1	6.62
	25 Aug 2015	9	20.55	72.31	7.2	33.30	7.9	23.3	5.28
	25 Aug 2015	10	20.15	73.69	7.1	33.33	7.9	23.4	4.88
I19	30 Aug 2015	1	24.22	84.82	6.8	33.46	8.2	22.4	0.65
	30 Aug 2015	2	23.96	84.76	7.0	33.45	8.2	22.5	0.66
	30 Aug 2015	3	22.03	84.94	7.2	33.44	8.2	23.0	0.58
	30 Aug 2015	4	20.99	86.87	7.5	33.36	8.2	23.2	0.56
	30 Aug 2015	5	20.30	88.06	7.8	33.35	8.2	23.4	0.67
	30 Aug 2015	6	20.02	87.17	7.5	33.33	8.2	23.5	0.96
	30 Aug 2015	7	19.63	78.69	7.4	33.33	8.1	23.6	1.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I19	30 Aug 2015	8	19.50	70.30	7.5	33.33	8.2	23.6	1.83
I19	30 Aug 2015	9	19.32	75.59	7.4	33.32	8.2	23.7	1.81
I19	30 Aug 2015	10	19.04	74.44	7.3	33.32	8.1	23.7	2.22
I24	05 Aug 2015	1	19.77	83.03	7.9	33.30	8.2	23.5	0.63
I24	05 Aug 2015	2	19.26	82.40	8.1	33.32	8.2	23.7	0.69
I24	05 Aug 2015	3	19.11	80.50	8.1	33.31	8.2	23.7	0.80
I24	05 Aug 2015	4	18.96	78.38	8.1	33.31	8.2	23.7	0.88
I24	05 Aug 2015	5	18.72	75.19	8.0	33.29	8.2	23.8	1.06
I24	05 Aug 2015	6	17.88	67.95	7.9	33.27	8.2	24.0	1.63
I24	05 Aug 2015	7	16.38	69.13	8.1	33.26	8.1	24.3	1.89
I24	05 Aug 2015	8	16.14	72.62	8.0	33.25	8.1	24.4	1.45
I24	05 Aug 2015	9	15.36	66.67	7.4	33.25	8.1	24.5	1.74
I24	05 Aug 2015	10	14.91	49.47	7.3	33.23	8.1	24.6	2.22
I24	13 Aug 2015	1	21.00	90.38	7.7	33.37	8.2	23.3	0.28
I24	13 Aug 2015	2	20.89	91.01	7.7	33.37	8.2	23.3	0.30
I24	13 Aug 2015	3	20.65	91.13	7.7	33.36	8.2	23.3	0.37
I24	13 Aug 2015	4	19.92	89.85	7.8	33.34	8.2	23.5	0.52
I24	13 Aug 2015	5	18.41	83.52	8.5	33.30	8.2	23.8	0.68
I24	13 Aug 2015	6	17.39	83.89	8.6	33.27	8.2	24.1	0.78
I24	13 Aug 2015	7	16.88	83.19	8.6	33.26	8.2	24.2	1.01
I24	13 Aug 2015	8	16.60	83.10	8.4	33.25	8.2	24.3	1.36
I24	13 Aug 2015	9	16.26	79.46	8.3	33.24	8.2	24.3	2.15
I24	13 Aug 2015	10	15.86	74.05	8.4	33.24	8.2	24.4	1.89
I24	19 Aug 2015	1	22.68	88.73	7.3	33.41	8.2	22.8	0.57
I24	19 Aug 2015	2	22.66	89.04	7.4	33.41	8.2	22.8	0.57
I24	19 Aug 2015	3	22.59	88.97	7.4	33.40	8.2	22.8	0.66
I24	19 Aug 2015	4	22.40	88.54	7.5	33.37	8.2	22.9	0.99
I24	19 Aug 2015	5	22.24	87.08	7.6	33.35	8.2	22.9	1.44
I24	19 Aug 2015	6	21.57	85.35	7.8	33.33	8.2	23.1	1.45
I24	19 Aug 2015	7	21.41	85.04	7.7	33.35	8.2	23.1	1.15
I24	19 Aug 2015	8	21.25	87.03	7.8	33.36	8.2	23.2	0.92
I24	19 Aug 2015	9	20.99	88.92	7.9	33.32	8.2	23.2	1.23
I24	19 Aug 2015	10	20.08	86.65	8.1	33.26	8.2	23.4	1.94
I24	19 Aug 2015	11	19.53	84.49	8.3	33.28	8.2	23.6	1.93
I24	25 Aug 2015	1	22.38	84.13	7.5	33.42	8.0	22.9	2.02
I24	25 Aug 2015	2	22.38	85.02	7.5	33.42	8.0	22.9	2.14
I24	25 Aug 2015	3	22.38	85.36	7.5	33.42	8.0	22.9	2.16
I24	25 Aug 2015	4	22.38	85.25	7.5	33.42	8.0	22.9	2.16
I24	25 Aug 2015	5	22.32	85.37	7.6	33.41	8.0	22.9	2.18
I24	25 Aug 2015	6	22.15	85.40	7.6	33.38	8.0	22.9	3.13
I24	25 Aug 2015	7	21.10	81.96	7.5	33.31	8.0	23.2	3.70
I24	25 Aug 2015	8	20.02	80.92	7.6	33.30	8.0	23.5	3.38
I24	25 Aug 2015	9	19.12	83.33	7.8	33.27	8.0	23.7	2.86
I24	25 Aug 2015	10	18.65	84.30	7.7	33.29	7.9	23.8	2.49
I24	30 Aug 2015	2	23.75	89.36	7.1	33.45	8.2	22.5	0.36
I24	30 Aug 2015	3	23.60	89.30	7.1	33.43	8.2	22.6	0.46
I24	30 Aug 2015	4	22.79	86.63	7.3	33.39	8.2	22.8	0.54
I24	30 Aug 2015	5	22.11	85.00	7.3	33.38	8.2	23.0	0.61
I24	30 Aug 2015	6	21.31	85.82	7.4	33.34	8.2	23.1	0.87
I24	30 Aug 2015	7	20.91	79.98	7.5	33.33	8.2	23.2	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma-t$)	Chlor ($\mu\text{g/L}$)
I24	30 Aug 2015	8	20.40	80.85	7.8	33.33	8.2	23.4	1.24
I24	30 Aug 2015	9	19.79	83.96	7.7	33.30	8.2	23.5	1.86
I24	30 Aug 2015	10	19.15	80.19	7.6	33.29	8.2	23.7	2.63
I24	30 Aug 2015	11	18.79	78.02	7.5	33.29	8.2	23.8	3.14
I25	05 Aug 2015	1	20.33	81.28	7.8	33.32	8.2	23.3	0.68
I25	05 Aug 2015	2	19.75	76.44	7.9	33.29	8.2	23.4	0.72
I25	05 Aug 2015	3	18.58	80.62	8.4	33.31	8.2	23.8	0.76
I25	05 Aug 2015	4	18.41	84.01	8.4	33.29	8.2	23.9	0.79
I25	05 Aug 2015	5	17.88	84.85	8.4	33.24	8.2	24.0	0.80
I25	05 Aug 2015	6	16.96	84.60	8.4	33.25	8.2	24.2	1.36
I25	05 Aug 2015	7	15.92	77.60	8.3	33.23	8.2	24.4	1.85
I25	05 Aug 2015	8	15.73	74.89	8.3	33.25	8.1	24.5	1.54
I25	05 Aug 2015	9	15.73	73.99	8.4	33.25	8.1	24.5	1.44
I25	13 Aug 2015	1	21.07	82.19	8.0	33.32	8.2	23.1	0.93
I25	13 Aug 2015	2	20.92	88.18	7.5	33.38	8.2	23.3	0.86
I25	13 Aug 2015	3	20.46	91.06	7.6	33.51	8.2	23.5	0.62
I25	13 Aug 2015	4	18.87	86.88	7.8	33.70	8.2	24.1	0.44
I25	13 Aug 2015	5	18.03	82.88	7.7	33.49	8.2	24.1	0.38
I25	13 Aug 2015	6	17.48	84.37	8.0	33.41	8.2	24.2	0.52
I25	13 Aug 2015	7	17.03	84.98	8.1	33.36	8.2	24.3	0.66
I25	13 Aug 2015	8	16.63	85.92	8.2	33.34	8.2	24.3	0.87
I25	13 Aug 2015	9	16.16	83.59	8.4	33.31	8.2	24.4	1.14
I25	19 Aug 2015	1	22.68	88.82	7.3	33.41	8.2	22.8	0.49
I25	19 Aug 2015	2	22.67	89.05	7.3	33.41	8.2	22.8	0.51
I25	19 Aug 2015	3	22.60	89.13	7.4	33.40	8.2	22.8	0.59
I25	19 Aug 2015	4	22.45	89.10	7.5	33.38	8.2	22.9	0.80
I25	19 Aug 2015	5	22.04	88.26	7.7	33.33	8.2	22.9	1.13
I25	19 Aug 2015	6	21.52	85.44	7.8	33.34	8.2	23.1	1.22
I25	19 Aug 2015	7	21.45	85.71	7.6	33.36	8.2	23.1	0.85
I25	19 Aug 2015	8	21.09	88.12	7.9	33.34	8.2	23.2	0.91
I25	19 Aug 2015	9	20.74	88.68	8.5	33.32	8.2	23.3	0.95
I25	25 Aug 2015	1	22.44	86.66	7.4	33.43	8.0	22.9	1.53
I25	25 Aug 2015	2	22.43	86.50	7.4	33.43	8.0	22.9	1.61
I25	25 Aug 2015	3	22.43	87.31	7.4	33.43	8.0	22.9	1.63
I25	25 Aug 2015	4	22.42	87.26	7.4	33.43	8.0	22.9	1.68
I25	25 Aug 2015	5	22.41	87.28	7.5	33.42	8.0	22.9	1.86
I25	25 Aug 2015	6	22.24	87.13	7.5	33.38	8.0	22.9	2.52
I25	25 Aug 2015	7	21.03	85.76	7.5	33.30	8.0	23.2	2.94
I25	25 Aug 2015	8	19.76	83.26	7.6	33.31	7.9	23.5	2.39
I25	25 Aug 2015	9	19.73	83.20	7.6	33.30	7.9	23.5	2.05
I25	30 Aug 2015	1	23.81	90.88	6.9	33.46	8.2	22.5	0.30
I25	30 Aug 2015	2	23.78	90.82	6.9	33.45	8.2	22.5	0.31
I25	30 Aug 2015	3	23.53	90.93	7.0	33.45	8.2	22.6	0.31
I25	30 Aug 2015	4	23.11	90.17	7.1	33.42	8.2	22.7	0.42
I25	30 Aug 2015	5	22.48	87.22	7.2	33.40	8.2	22.9	0.51
I25	30 Aug 2015	6	21.22	85.81	7.2	33.35	8.2	23.2	0.73
I25	30 Aug 2015	7	20.19	78.37	7.3	33.33	8.2	23.4	1.24
I25	30 Aug 2015	8	19.85	71.47	7.2	33.32	8.1	23.5	1.47
I25	30 Aug 2015	9	19.63	75.70	7.2	33.32	8.1	23.6	1.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I26	05 Aug 2015	1	19.70	82.74	7.9	33.37	8.2	23.5	0.85
I26	05 Aug 2015	2	19.61	83.85	7.9	33.33	8.2	23.6	0.85
I26	05 Aug 2015	3	19.25	84.25	8.0	33.30	8.2	23.6	0.90
I26	05 Aug 2015	4	18.23	83.91	8.4	33.29	8.2	23.9	0.93
I26	05 Aug 2015	5	17.58	84.62	8.6	33.28	8.2	24.1	0.83
I26	05 Aug 2015	6	17.32	85.12	8.4	33.25	8.2	24.1	0.85
I26	05 Aug 2015	7	15.94	84.29	8.3	33.20	8.2	24.4	1.56
I26	05 Aug 2015	8	15.30	79.74	8.2	33.22	8.1	24.5	1.77
I26	05 Aug 2015	9	15.19	74.98	8.2	33.24	8.1	24.6	1.69
I26	13 Aug 2015	1	20.52	90.28	7.6	33.35	8.2	23.4	0.37
I26	13 Aug 2015	2	20.19	89.90	7.6	33.34	8.2	23.4	0.43
I26	13 Aug 2015	3	19.86	87.47	7.6	33.34	8.2	23.5	0.52
I26	13 Aug 2015	4	19.42	86.20	7.7	33.31	8.2	23.6	0.54
I26	13 Aug 2015	5	18.48	86.90	7.9	33.28	8.2	23.8	0.51
I26	13 Aug 2015	6	17.63	87.76	7.9	33.29	8.2	24.1	0.48
I26	13 Aug 2015	7	17.18	88.82	7.7	33.27	8.2	24.1	0.64
I26	13 Aug 2015	8	16.79	82.95	7.8	33.27	8.2	24.2	0.75
I26	13 Aug 2015	9	16.69	84.29	7.9	33.28	8.2	24.3	0.83
I26	19 Aug 2015	1	22.72	82.94	7.5	33.36	8.2	22.8	1.21
I26	19 Aug 2015	2	22.65	82.80	7.6	33.35	8.2	22.8	1.45
I26	19 Aug 2015	3	22.45	82.30	7.7	33.34	8.2	22.8	1.65
I26	19 Aug 2015	4	22.12	81.95	7.7	33.36	8.2	22.9	1.18
I26	19 Aug 2015	5	22.07	86.00	7.6	33.36	8.2	23.0	1.14
I26	19 Aug 2015	6	22.03	85.93	7.4	33.36	8.2	23.0	1.28
I26	19 Aug 2015	7	21.86	85.44	7.0	33.35	8.2	23.0	1.32
I26	19 Aug 2015	8	21.48	85.45	7.0	33.35	8.2	23.1	1.24
I26	19 Aug 2015	9	21.06	86.38	7.5	33.33	8.2	23.2	1.30
I26	25 Aug 2015	1	22.62	76.74	7.8	33.39	8.0	22.8	3.28
I26	25 Aug 2015	2	22.60	76.80	7.8	33.39	8.0	22.8	3.29
I26	25 Aug 2015	3	22.59	77.46	7.8	33.39	8.0	22.8	3.34
I26	25 Aug 2015	4	22.58	78.28	7.8	33.39	8.0	22.8	3.44
I26	25 Aug 2015	5	22.56	78.36	7.8	33.39	8.0	22.8	3.44
I26	25 Aug 2015	6	22.44	78.39	7.6	33.38	8.0	22.9	3.56
I26	25 Aug 2015	7	21.76	78.31	7.3	33.33	8.0	23.0	3.47
I26	25 Aug 2015	8	20.88	78.92	7.2	33.34	8.0	23.3	2.73
I26	25 Aug 2015	9	20.63	81.05	7.2	33.32	7.9	23.3	2.09
I32	06 Aug 2015	1	20.26	82.85	7.6	33.33	8.1	23.4	0.61
I32	06 Aug 2015	2	20.15	83.17	7.5	33.31	8.1	23.4	0.66
I32	06 Aug 2015	3	19.37	80.42	7.6	33.24	8.1	23.6	0.72
I32	06 Aug 2015	4	17.38	82.56	8.5	33.23	8.1	24.1	0.61
I32	06 Aug 2015	5	16.84	85.94	8.7	33.24	8.1	24.2	0.57
I32	06 Aug 2015	6	16.17	85.67	8.5	33.21	8.1	24.3	0.76
I32	06 Aug 2015	7	15.74	72.98	8.1	33.23	8.0	24.4	1.41
I32	06 Aug 2015	8	15.45	58.00	7.8	33.24	8.0	24.5	4.00
I32	06 Aug 2015	9	15.26	40.86	7.7	33.24	8.0	24.6	6.77
I32	06 Aug 2015	10	15.25	36.19	7.6	33.25	8.0	24.6	6.52
I32	13 Aug 2015	1	20.76	88.17	7.6	33.35	8.2	23.3	0.40
I32	13 Aug 2015	2	20.73	87.82	7.6	33.35	8.2	23.3	0.42
I32	13 Aug 2015	3	20.71	88.44	7.6	33.35	8.2	23.3	0.44
I32	13 Aug 2015	4	20.64	88.76	7.6	33.35	8.2	23.3	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I32	13 Aug 2015	5	20.19	88.77	7.5	33.34	8.2	23.4	0.66
I32	13 Aug 2015	6	18.93	85.25	7.7	33.28	8.2	23.7	1.00
I32	13 Aug 2015	7	17.90	77.30	8.0	33.29	8.2	24.0	0.97
I32	13 Aug 2015	8	17.10	83.95	8.1	33.27	8.2	24.2	0.95
I32	13 Aug 2015	9	16.96	83.32	8.1	33.27	8.2	24.2	1.22
I32	13 Aug 2015	10	16.83	79.84	8.1	33.27	8.2	24.2	1.79
I32	19 Aug 2015	1	22.81	83.98	7.5	33.39	8.2	22.8	0.86
I32	19 Aug 2015	2	22.82	83.69	7.5	33.39	8.2	22.8	0.88
I32	19 Aug 2015	3	22.74	83.47	7.4	33.39	8.2	22.8	0.93
I32	19 Aug 2015	4	22.69	84.75	7.5	33.39	8.2	22.8	0.97
I32	19 Aug 2015	5	22.62	84.99	7.5	33.39	8.2	22.8	1.05
I32	19 Aug 2015	6	22.54	85.26	7.5	33.38	8.2	22.8	1.28
I32	19 Aug 2015	7	22.48	83.98	7.5	33.38	8.2	22.9	1.56
I32	19 Aug 2015	8	22.45	83.18	7.5	33.38	8.2	22.9	1.58
I32	19 Aug 2015	9	22.09	83.63	7.5	33.35	8.2	22.9	1.58
I32	19 Aug 2015	10	20.69	83.08	7.7	33.30	8.2	23.3	1.97
I32	25 Aug 2015	1	22.71	78.51	7.6	33.40	8.0	22.8	2.59
I32	25 Aug 2015	2	22.71	77.15	7.6	33.40	8.0	22.8	2.77
I32	25 Aug 2015	3	22.70	80.44	7.6	33.40	8.0	22.8	2.86
I32	25 Aug 2015	4	22.70	80.32	7.6	33.40	8.0	22.8	3.00
I32	25 Aug 2015	5	22.70	79.99	7.7	33.40	8.0	22.8	3.07
I32	25 Aug 2015	6	22.70	79.82	7.6	33.40	8.0	22.8	3.11
I32	25 Aug 2015	7	22.67	79.80	7.6	33.40	8.0	22.8	3.23
I32	25 Aug 2015	8	22.52	79.58	7.5	33.39	8.0	22.9	3.28
I32	25 Aug 2015	9	21.64	78.58	7.7	33.32	8.0	23.0	3.08
I32	25 Aug 2015	10	21.06	81.20	7.8	33.33	8.0	23.2	2.99
I39	05 Aug 2015	1	19.08	83.90	8.1	33.32	8.2	23.7	0.84
I39	05 Aug 2015	2	18.96	83.89	8.2	33.32	8.2	23.7	0.86
I39	05 Aug 2015	3	18.78	83.64	8.2	33.31	8.2	23.8	0.91
I39	05 Aug 2015	4	18.58	83.68	8.2	33.31	8.2	23.8	0.97
I39	05 Aug 2015	5	17.91	83.60	8.3	33.28	8.2	24.0	1.02
I39	05 Aug 2015	6	16.75	83.81	8.6	33.27	8.2	24.2	1.15
I39	05 Aug 2015	7	16.30	83.86	8.6	33.26	8.2	24.3	1.48
I39	05 Aug 2015	8	15.92	83.32	8.4	33.24	8.2	24.4	1.93
I39	05 Aug 2015	9	15.49	82.88	8.2	33.24	8.1	24.5	2.27
I39	05 Aug 2015	10	15.12	82.78	8.0	33.23	8.1	24.6	2.32
I39	05 Aug 2015	11	14.80	82.49	7.8	33.23	8.1	24.7	2.27
I39	05 Aug 2015	12	14.49	81.40	7.6	33.23	8.1	24.7	2.11
I39	05 Aug 2015	13	14.21	80.93	7.3	33.22	8.1	24.8	2.04
I39	05 Aug 2015	14	13.89	80.57	7.3	33.22	8.1	24.8	2.15
I39	05 Aug 2015	15	13.65	81.35	7.3	33.23	8.1	24.9	2.31
I39	05 Aug 2015	16	13.60	81.27	7.2	33.24	8.1	24.9	2.42
I39	05 Aug 2015	17	13.59	80.49	7.1	33.26	8.1	24.9	2.31
I39	05 Aug 2015	18	13.56	79.16	7.1	33.24	8.1	24.9	2.12
I39	13 Aug 2015	1	21.24	86.96	7.3	33.38	8.2	23.2	0.41
I39	13 Aug 2015	2	20.90	89.89	7.4	33.38	8.2	23.3	0.40
I39	13 Aug 2015	3	20.41	90.72	7.6	33.37	8.2	23.4	0.37
I39	13 Aug 2015	4	20.06	90.82	7.7	33.35	8.2	23.5	0.36
I39	13 Aug 2015	5	19.67	91.07	7.9	33.36	8.2	23.6	0.37
I39	13 Aug 2015	6	19.61	91.18	7.9	33.35	8.2	23.6	0.39
I39	13 Aug 2015	7	18.78	91.21	8.0	33.31	8.2	23.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I39	13 Aug 2015	8	17.88	91.46	8.1	33.29	8.2	24.0	0.42
I39	13 Aug 2015	9	17.10	91.51	8.3	33.29	8.2	24.2	0.44
I39	13 Aug 2015	10	16.78	91.34	8.3	33.27	8.2	24.2	0.47
I39	13 Aug 2015	11	16.38	91.36	8.4	33.27	8.2	24.3	0.54
I39	13 Aug 2015	12	16.10	90.85	8.3	33.26	8.2	24.4	0.53
I39	13 Aug 2015	13	15.35	91.37	8.3	33.24	8.2	24.5	0.47
I39	13 Aug 2015	14	15.18	91.75	8.2	33.24	8.2	24.6	0.51
I39	13 Aug 2015	15	15.04	91.57	8.2	33.23	8.2	24.6	0.59
I39	13 Aug 2015	16	14.93	91.05	8.2	33.23	8.2	24.6	0.71
I39	13 Aug 2015	17	14.82	90.43	8.1	33.23	8.2	24.6	0.86
I39	13 Aug 2015	18	14.77	89.39	8.1	33.23	8.2	24.7	0.89
I39	19 Aug 2015	1	22.55	91.18	7.3	33.42	8.2	22.9	0.33
I39	19 Aug 2015	2	22.50	91.07	7.2	33.42	8.2	22.9	0.32
I39	19 Aug 2015	3	22.33	91.17	7.3	33.41	8.2	22.9	0.34
I39	19 Aug 2015	4	22.27	91.27	7.3	33.41	8.2	22.9	0.38
I39	19 Aug 2015	5	22.18	91.28	7.4	33.40	8.2	23.0	0.44
I39	19 Aug 2015	6	22.10	91.00	7.4	33.40	8.2	23.0	0.50
I39	19 Aug 2015	7	22.09	90.83	7.4	33.40	8.2	23.0	0.57
I39	19 Aug 2015	8	22.09	90.03	7.5	33.40	8.2	23.0	0.61
I39	19 Aug 2015	9	22.09	90.01	7.5	33.40	8.2	23.0	0.61
I39	19 Aug 2015	10	22.08	89.99	7.4	33.40	8.2	23.0	0.86
I39	19 Aug 2015	11	21.37	90.20	7.7	33.33	8.2	23.1	1.14
I39	19 Aug 2015	12	20.08	89.98	8.1	33.30	8.2	23.4	1.34
I39	19 Aug 2015	13	19.47	89.78	8.1	33.29	8.2	23.6	1.45
I39	19 Aug 2015	14	19.05	89.41	8.1	33.28	8.2	23.7	1.35
I39	19 Aug 2015	15	18.54	88.72	8.0	33.29	8.2	23.8	1.44
I39	19 Aug 2015	16	18.25	88.21	8.1	33.28	8.2	23.9	1.49
I39	19 Aug 2015	17	17.96	87.87	8.1	33.28	8.2	24.0	1.46
I39	19 Aug 2015	18	17.58	87.20	8.1	33.27	8.2	24.0	1.43
I39	25 Aug 2015	1	22.69	82.38	7.5	33.40	8.0	22.8	1.19
I39	25 Aug 2015	2	22.68	84.37	7.5	33.41	8.0	22.8	1.29
I39	25 Aug 2015	3	22.65	86.29	7.5	33.40	8.0	22.8	1.43
I39	25 Aug 2015	4	22.43	86.47	7.5	33.39	8.0	22.9	1.55
I39	25 Aug 2015	5	21.85	86.63	7.6	33.35	8.0	23.0	1.69
I39	25 Aug 2015	6	20.65	87.41	7.9	33.33	8.0	23.3	1.61
I39	25 Aug 2015	7	20.53	88.19	8.0	33.33	8.0	23.3	1.69
I39	25 Aug 2015	8	20.33	88.08	7.9	33.32	8.0	23.4	1.90
I39	25 Aug 2015	9	20.07	88.15	8.1	33.32	8.0	23.5	1.88
I39	25 Aug 2015	10	19.79	88.06	8.0	33.31	8.0	23.5	2.04
I39	25 Aug 2015	11	19.16	87.69	8.0	33.29	8.0	23.7	2.28
I39	25 Aug 2015	12	18.73	86.21	8.0	33.28	8.0	23.8	2.20
I39	25 Aug 2015	13	18.20	86.62	8.1	33.28	8.0	23.9	1.96
I39	25 Aug 2015	14	17.78	87.30	8.0	33.27	8.0	24.0	2.10
I39	25 Aug 2015	15	17.60	88.30	8.0	33.27	8.0	24.0	2.17
I39	25 Aug 2015	16	17.51	89.15	7.9	33.27	7.9	24.1	2.11
I39	25 Aug 2015	17	17.45	89.48	7.9	33.27	7.9	24.1	2.08
I39	25 Aug 2015	18	17.41	89.46	7.8	33.27	7.9	24.1	1.86
I39	30 Aug 2015	2	23.40	90.79	6.8	33.45	8.2	22.6	0.28
I39	30 Aug 2015	3	22.96	91.63	6.8	33.51	8.2	22.8	0.28
I39	30 Aug 2015	4	22.09	92.42	6.9	33.46	8.2	23.0	0.30
I39	30 Aug 2015	5	21.28	92.14	7.1	33.44	8.2	23.2	0.37
I39	30 Aug 2015	6	20.85	91.66	7.3	33.40	8.2	23.3	0.46

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ($\sigma\text{-t}$)	Chlor ($\mu\text{g/L}$)
I39	30 Aug 2015	7	20.06	91.82	7.4	33.39	8.2	23.5	0.46
I39	30 Aug 2015	8	19.39	91.28	7.6	33.36	8.2	23.7	0.54
I39	30 Aug 2015	9	18.99	91.84	7.6	33.35	8.2	23.8	0.52
I39	30 Aug 2015	10	18.71	92.27	7.7	33.33	8.2	23.8	0.51
I39	30 Aug 2015	11	18.53	91.99	7.7	33.32	8.2	23.9	0.63
I39	30 Aug 2015	12	18.40	91.73	7.8	33.32	8.2	23.9	0.77
I39	30 Aug 2015	13	18.26	90.47	7.8	33.31	8.2	23.9	0.93
I39	30 Aug 2015	14	18.08	90.45	7.7	33.30	8.2	24.0	1.13
I39	30 Aug 2015	15	18.03	89.76	7.6	33.30	8.2	24.0	1.29
I39	30 Aug 2015	16	17.89	89.49	7.7	33.29	8.2	24.0	1.43
I39	30 Aug 2015	17	17.76	88.86	7.8	33.29	8.2	24.0	1.46
I39	30 Aug 2015	18	17.50	88.85	7.8	33.28	8.2	24.1	1.14
I40	05 Aug 2015	1	20.36	72.02	7.6	33.34	8.2	23.4	0.94
I40	05 Aug 2015	2	19.78	72.22	7.8	33.27	8.2	23.5	0.99
I40	05 Aug 2015	3	18.57	73.44	8.2	33.29	8.2	23.8	1.08
I40	05 Aug 2015	4	17.91	74.86	8.3	33.27	8.2	24.0	1.23
I40	05 Aug 2015	5	17.03	73.07	8.4	33.23	8.2	24.2	1.67
I40	05 Aug 2015	6	16.33	70.25	8.3	33.23	8.2	24.3	2.19
I40	05 Aug 2015	7	15.44	69.65	8.1	33.21	8.1	24.5	2.44
I40	05 Aug 2015	8	14.94	70.70	7.8	33.22	8.1	24.6	2.82
I40	05 Aug 2015	9	14.84	38.04	7.6	33.23	8.1	24.6	3.41
I40	05 Aug 2015	10	14.84	26.91	7.5	33.23	8.1	24.6	3.85
I40	13 Aug 2015	1	20.69	81.05	7.6	33.36	8.2	23.3	0.63
I40	13 Aug 2015	2	20.51	81.44	7.6	33.35	8.2	23.4	0.62
I40	13 Aug 2015	3	19.53	82.79	8.0	33.32	8.2	23.6	0.60
I40	13 Aug 2015	4	18.72	85.09	8.2	33.29	8.2	23.8	0.63
I40	13 Aug 2015	5	18.04	85.86	8.4	33.30	8.2	24.0	0.66
I40	13 Aug 2015	6	17.81	86.39	8.3	33.29	8.2	24.0	0.69
I40	13 Aug 2015	7	17.50	85.65	8.2	33.28	8.2	24.1	1.00
I40	13 Aug 2015	8	17.11	81.34	8.1	33.26	8.2	24.2	1.68
I40	13 Aug 2015	9	16.55	71.93	8.1	33.25	8.2	24.3	2.41
I40	13 Aug 2015	10	16.14	67.56	7.9	33.24	8.2	24.4	3.85
I40	19 Aug 2015	1	22.72	84.44	7.4	33.39	8.2	22.8	1.20
I40	19 Aug 2015	2	22.69	84.49	7.4	33.38	8.2	22.8	1.23
I40	19 Aug 2015	3	22.62	84.82	7.5	33.38	8.2	22.8	1.32
I40	19 Aug 2015	4	22.52	84.79	7.5	33.37	8.2	22.8	1.43
I40	19 Aug 2015	5	22.42	84.97	7.5	33.37	8.2	22.9	1.77
I40	19 Aug 2015	6	22.24	84.60	7.7	33.33	8.2	22.9	2.31
I40	19 Aug 2015	7	21.79	84.13	7.8	33.28	8.2	23.0	2.75
I40	19 Aug 2015	8	21.21	82.24	7.9	33.28	8.2	23.1	2.96
I40	19 Aug 2015	9	20.47	81.41	8.0	33.26	8.2	23.3	3.07
I40	19 Aug 2015	10	19.76	79.39	8.1	33.25	8.2	23.5	3.26
I40	25 Aug 2015	1	22.61	77.38	7.7	33.39	8.0	22.8	3.19
I40	25 Aug 2015	2	22.61	77.55	7.8	33.40	8.0	22.8	3.35
I40	25 Aug 2015	3	22.61	77.95	7.8	33.40	8.0	22.8	3.53
I40	25 Aug 2015	4	22.59	77.95	7.7	33.39	8.0	22.8	3.82
I40	25 Aug 2015	5	22.53	77.47	7.6	33.39	8.0	22.8	4.04
I40	25 Aug 2015	6	22.47	76.75	7.6	33.38	8.0	22.9	4.34
I40	25 Aug 2015	7	21.88	75.97	7.4	33.33	8.0	23.0	4.94
I40	25 Aug 2015	8	20.61	73.85	7.5	33.31	8.0	23.3	4.72
I40	25 Aug 2015	9	20.05	77.25	7.4	33.30	7.9	23.5	4.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I40	25 Aug 2015	10	19.74	76.97	7.3	33.31	7.9	23.5	5.04
I40	30 Aug 2015	1	24.02	79.36	7.0	33.45	8.2	22.5	0.62
I40	30 Aug 2015	2	23.76	81.19	7.1	33.44	8.2	22.5	0.62
I40	30 Aug 2015	3	23.19	83.47	7.2	33.42	8.2	22.7	0.56
I40	30 Aug 2015	4	22.63	85.47	7.4	33.41	8.2	22.8	0.57
I40	30 Aug 2015	5	22.18	85.87	7.5	33.40	8.2	22.9	0.59
I40	30 Aug 2015	6	21.66	86.57	7.3	33.36	8.2	23.1	0.79
I40	30 Aug 2015	7	20.89	78.30	7.2	33.34	8.2	23.3	1.26
I40	30 Aug 2015	8	20.35	75.33	7.1	33.32	8.2	23.4	1.94
I40	30 Aug 2015	9	19.40	69.63	7.5	33.32	8.2	23.6	2.35
I40	30 Aug 2015	10	19.14	80.86	7.5	33.31	8.2	23.7	3.09

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OFFSHORE STATIONS

Table 4.1

Summary of compliance with the 2012 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
05 Aug 2015	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Aug 2015	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 2012 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
05 Aug 2015	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Aug 2015	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 2012 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
05 Aug 2015	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Aug 2015	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 2012 Ocean Plan's Single Sample Maximum standard for total coliforms 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
05 Aug 2015	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Aug 2015	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* (Enter) 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	Enteric	F:T	Temp	XMS	DO	Sal	pH	OG	SUSO
I16	05 Aug 2015	1037	18	<2	<2	<2	1.0	15.5	84.63	8.7	33.27	8.2	ns	<0.2
I16	05 Aug 2015	1037	27	<2	<2	<2	1.0	13.0	88.04	7.1	33.24	8.1	ns	<0.2
I18	05 Aug 2015	1009	2	<2	<2	<2	1.0	20.3	84.24	8.0	33.34	8.2	<0.2	<0.2
I18	05 Aug 2015	1009	12	<2	<2	<2	1.0	14.9	83.44	8.6	33.26	8.2	ns	<0.2
I18	05 Aug 2015	1009	18	<2	<2	<2	1.0	13.2	84.47	7.2	33.23	8.1	ns	<0.2
I20	04 Aug 2015	901	2	<2	<2	<2	1.0	21.8	88.56	7.5	33.40	8.2	<0.2	<0.2
I20	04 Aug 2015	901	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*	
I20	04 Aug 2015	901	18	<2	<2	<2	1.0	14.3	85.52	8.2	33.23	8.2	ns	<0.2
I20	04 Aug 2015	901	55	<2	<2	<2	1.0	12.2	89.90	6.3	33.33	8.0	ns	<0.2
I21	04 Aug 2015	1300	2	<2	<2	<2	1.0	22.2	87.37	7.5	33.38	8.2	<0.2	<0.2
I21	04 Aug 2015	1300	18	<2	<2	<2	1.0	14.0	84.07	8.1	33.23	8.2	ns	<0.2
I21	04 Aug 2015	1300	37	<2	<2	<2	1.0	12.6	89.48	6.7	33.28	8.1	ns	<0.2
I22	05 Aug 2015	1126	2	<2	<2	<2	1.0	18.4	85.40	8.4	33.29	8.2	<0.2	<0.2
I22	05 Aug 2015	1126	18	<2	<2	<2	1.0	15.3	84.28	8.6	33.26	8.2	ns	<0.2
I22	05 Aug 2015	1126	27	<2	<2	<2	1.0	13.2	85.12	7.2	33.24	8.1	ns	<0.2
I23	05 Aug 2015	1142	2	<2	<2	<2	1.0	20.1	82.45	8.3	33.33	8.2	<0.2	<0.2
I23	05 Aug 2015	1142	12	<2	<2	<2	1.0	15.2	82.08	8.1	33.22	8.2	ns	<0.2
I23	05 Aug 2015	1142	18	<2	<2	<2	1.0	13.4	82.61	7.3	33.24	8.1	ns	3.7
I30	06 Aug 2015	931	2	<2	<2	<2	1.0	19.5	85.16	8.2	33.33	8.1	<0.2	<0.2
I30	06 Aug 2015	931	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*	
I30	06 Aug 2015	931	18	<2	<2	<2	1.0	14.1	81.75	8.5	33.23	8.0	ns	<0.2
I30	06 Aug 2015	931	27	<2	<2	<2	1.0	13.1	85.10	6.7	33.26	7.9	ns	<0.2
I33	06 Aug 2015	840	2	<2	<2	<2	1.0	18.3	79.87	8.0	33.31	8.0	<0.2	<0.2
I33	06 Aug 2015	840	18	<2	<2	<2	1.0	14.2	80.03	7.4	33.24	8.0	ns	2.7
I33	06 Aug 2015	840	27	2e	<2	<2	1.0	13.2	84.48	6.8	33.26	7.9	ns	3.6
I36	06 Aug 2015	1022	2	<2	<2	<2	1.0	20.0	84.12	7.7	33.30	8.1	<0.2	3.3
I36	06 Aug 2015	1022	6	<2	<2	<2	1.0	16.3	82.53	8.2	33.25	8.0	ns	<0.2
I36	06 Aug 2015	1022	11	2e	<2	<2	1.0	15.2	38.74	6.8	33.27	8.0	ns	7.3
I37	06 Aug 2015	757	2	<2	<2	2e	1.0	18.0	79.03	7.7	33.33	8.0	<0.2	<0.2
I37	06 Aug 2015	757	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*	
I37	06 Aug 2015	757	6	<2	<2	2e	1.0	16.4	81.54	8.3	33.28	8.0	ns	<0.2
I37	06 Aug 2015	757	11	<2	<2	2e	1.0	14.7	76.78	8.2	33.26	8.0	ns	<0.2
I38	06 Aug 2015	1051	2	<2	<2	<2	1.0	18.8	85.03	8.0	33.29	8.1	<0.2	<0.2
I38	06 Aug 2015	1051	6	<2	<2	<2	1.0	16.5	86.15	8.7	33.25	8.1	ns	<0.2
I38	06 Aug 2015	1051	11	<2	<2	<2	1.0	15.4	67.82	8.0	33.26	8.0	ns	3.0

ns = not sampled

Table 4.6

Summary of visual observations made during the month at the SBOO offshore stations for each sample date.

Station	Date	Parameter	Value
I1	04 Aug 2015	Depth (m)	61
I1	04 Aug 2015	Arrive Time	952
I1	04 Aug 2015	Depart Time	958
I1	04 Aug 2015	Air Temp (C)	21
I1	04 Aug 2015	Weather	Partly Cloudy
I1	04 Aug 2015	Visibility (mi)	5
I1	04 Aug 2015	Wind Speed (kts)	7
I1	04 Aug 2015	Wind Dir	W
I1	04 Aug 2015	Water Color	Blue
I1	04 Aug 2015	Wave Ht Low (ft)	4
I1	04 Aug 2015	Wave Period (sec)	11
I1	04 Aug 2015	Sea State	Light chop
I1	04 Aug 2015	High Tide (ft)	5.13
I1	04 Aug 2015	High Tide Time	1302
I1	04 Aug 2015	Low Tide (ft)	0.1
I1	04 Aug 2015	Low Tide Time	641
I1	04 Aug 2015	Comments	
I2	04 Aug 2015	Depth (m)	34
I2	04 Aug 2015	Arrive Time	1015
I2	04 Aug 2015	Depart Time	1021
I2	04 Aug 2015	Air Temp (C)	21
I2	04 Aug 2015	Weather	Partly Cloudy
I2	04 Aug 2015	Visibility (mi)	5
I2	04 Aug 2015	Wind Speed (kts)	7
I2	04 Aug 2015	Wind Dir	W
I2	04 Aug 2015	Water Color	Blue
I2	04 Aug 2015	Wave Ht Low (ft)	4
I2	04 Aug 2015	Wave Period (sec)	11
I2	04 Aug 2015	Sea State	Light chop
I2	04 Aug 2015	High Tide (ft)	5.13
I2	04 Aug 2015	High Tide Time	1302
I2	04 Aug 2015	Low Tide (ft)	0.1
I2	04 Aug 2015	Low Tide Time	641
I2	04 Aug 2015	Comments	
I3	04 Aug 2015	Depth (m)	27
I3	04 Aug 2015	Arrive Time	1030
I3	04 Aug 2015	Depart Time	1037
I3	04 Aug 2015	Air Temp (C)	22
I3	04 Aug 2015	Weather	Partly Cloudy
I3	04 Aug 2015	Visibility (mi)	7

Station	Date	Parameter	Value
I3	04 Aug 2015	Wind Speed (kts)	3
I3	04 Aug 2015	Wind Dir	S
I3	04 Aug 2015	Water Color	Blue
I3	04 Aug 2015	Wave Ht Low (ft)	4
I3	04 Aug 2015	Wave Period (sec)	11
I3	04 Aug 2015	Sea State	Light chop
I3	04 Aug 2015	High Tide (ft)	5.13
I3	04 Aug 2015	High Tide Time	1302
I3	04 Aug 2015	Low Tide (ft)	0.1
I3	04 Aug 2015	Low Tide Time	641
I3	04 Aug 2015	Comments	
I4	04 Aug 2015	Depth (m)	20
I4	04 Aug 2015	Arrive Time	1047
I4	04 Aug 2015	Depart Time	1050
I4	04 Aug 2015	Air Temp (C)	21
I4	04 Aug 2015	Weather	Partly Cloudy
I4	04 Aug 2015	Visibility (mi)	7
I4	04 Aug 2015	Wind Speed (kts)	5
I4	04 Aug 2015	Wind Dir	E
I4	04 Aug 2015	Water Color	Greenish-Blue
I4	04 Aug 2015	Wave Ht Low (ft)	4
I4	04 Aug 2015	Wave Period (sec)	11
I4	04 Aug 2015	Sea State	Light chop
I4	04 Aug 2015	High Tide (ft)	5.13
I4	04 Aug 2015	High Tide Time	1302
I4	04 Aug 2015	Low Tide (ft)	0.1
I4	04 Aug 2015	Low Tide Time	641
I4	04 Aug 2015	Comments	
I5	04 Aug 2015	Depth (m)	15
I5	04 Aug 2015	Arrive Time	1054
I5	04 Aug 2015	Depart Time	1058
I5	04 Aug 2015	Air Temp (C)	21
I5	04 Aug 2015	Weather	Partly Cloudy
I5	04 Aug 2015	Visibility (mi)	7
I5	04 Aug 2015	Wind Speed (kts)	3
I5	04 Aug 2015	Wind Dir	NE
I5	04 Aug 2015	Water Color	Greenish-Blue
I5	04 Aug 2015	Wave Ht Low (ft)	4
I5	04 Aug 2015	Wave Period (sec)	11
I5	04 Aug 2015	Sea State	Light chop
I5	04 Aug 2015	High Tide (ft)	5.13
I5	04 Aug 2015	High Tide Time	1302
I5	04 Aug 2015	Low Tide (ft)	0.1
I5	04 Aug 2015	Low Tide Time	641
I5	04 Aug 2015	Comments	

Station	Date	Parameter	Value
I6	04 Aug 2015	Depth (m)	27
I6	04 Aug 2015	Arrive Time	1115
I6	04 Aug 2015	Depart Time	1118
I6	04 Aug 2015	Air Temp (C)	21
I6	04 Aug 2015	Weather	Partly Cloudy
I6	04 Aug 2015	Visibility (mi)	7
I6	04 Aug 2015	Wind Speed (kts)	2
I6	04 Aug 2015	Wind Dir	W
I6	04 Aug 2015	Water Color	Greenish-Blue
I6	04 Aug 2015	Wave Ht Low (ft)	4
I6	04 Aug 2015	Wave Period (sec)	11
I6	04 Aug 2015	Sea State	Light chop
I6	04 Aug 2015	High Tide (ft)	5.13
I6	04 Aug 2015	High Tide Time	1302
I6	04 Aug 2015	Low Tide (ft)	0.1
I6	04 Aug 2015	Low Tide Time	641
I6	04 Aug 2015	Comments	
I7	04 Aug 2015	Depth (m)	52
I7	04 Aug 2015	Arrive Time	928
I7	04 Aug 2015	Depart Time	935
I7	04 Aug 2015	Air Temp (C)	21
I7	04 Aug 2015	Weather	Fog
I7	04 Aug 2015	Visibility (mi)	4
I7	04 Aug 2015	Wind Speed (kts)	6
I7	04 Aug 2015	Wind Dir	NE
I7	04 Aug 2015	Water Color	Greenish-Blue
I7	04 Aug 2015	Wave Ht Low (ft)	4
I7	04 Aug 2015	Wave Period (sec)	11
I7	04 Aug 2015	Sea State	Light chop
I7	04 Aug 2015	High Tide (ft)	5.13
I7	04 Aug 2015	High Tide Time	1302
I7	04 Aug 2015	Low Tide (ft)	0.1
I7	04 Aug 2015	Low Tide Time	641
I7	04 Aug 2015	Comments	Low Tide; Unable to obtain station depth
I8	04 Aug 2015	Depth (m)	37
I8	04 Aug 2015	Arrive Time	1228
I8	04 Aug 2015	Depart Time	1236
I8	04 Aug 2015	Air Temp (C)	22
I8	04 Aug 2015	Weather	Partly Cloudy
I8	04 Aug 2015	Visibility (mi)	9
I8	04 Aug 2015	Wind Speed (kts)	4
I8	04 Aug 2015	Wind Dir	SW
I8	04 Aug 2015	Water Color	Greenish-Blue
I8	04 Aug 2015	Wave Ht Low (ft)	4

Station	Date	Parameter	Value
I8	04 Aug 2015	Wave Period (sec)	11
I8	04 Aug 2015	Sea State	Light chop
I8	04 Aug 2015	High Tide (ft)	5.13
I8	04 Aug 2015	High Tide Time	1302
I8	04 Aug 2015	Low Tide (ft)	0.1
I8	04 Aug 2015	Low Tide Time	641
I8	04 Aug 2015	Comments	
I9	04 Aug 2015	Depth (m)	30
I9	04 Aug 2015	Arrive Time	1211
I9	04 Aug 2015	Depart Time	1219
I9	04 Aug 2015	Air Temp (C)	22
I9	04 Aug 2015	Weather	Partly Cloudy
I9	04 Aug 2015	Visibility (mi)	9
I9	04 Aug 2015	Wind Speed (kts)	1
I9	04 Aug 2015	Wind Dir	N
I9	04 Aug 2015	Water Color	Greenish-Blue
I9	04 Aug 2015	Wave Ht Low (ft)	4
I9	04 Aug 2015	Wave Period (sec)	11
I9	04 Aug 2015	Sea State	Light chop
I9	04 Aug 2015	High Tide (ft)	5.13
I9	04 Aug 2015	High Tide Time	1302
I9	04 Aug 2015	Low Tide (ft)	0.1
I9	04 Aug 2015	Low Tide Time	641
I9	04 Aug 2015	Comments	
I10	04 Aug 2015	Depth (m)	20
I10	04 Aug 2015	Arrive Time	1148
I10	04 Aug 2015	Depart Time	1200
I10	04 Aug 2015	Air Temp (C)	21
I10	04 Aug 2015	Weather	Partly Cloudy
I10	04 Aug 2015	Visibility (mi)	9
I10	04 Aug 2015	Wind Speed (kts)	5
I10	04 Aug 2015	Wind Dir	W
I10	04 Aug 2015	Water Color	Greenish-Blue
I10	04 Aug 2015	Wave Ht Low (ft)	4
I10	04 Aug 2015	Wave Period (sec)	11
I10	04 Aug 2015	Sea State	Light chop
I10	04 Aug 2015	High Tide (ft)	5.13
I10	04 Aug 2015	High Tide Time	1302
I10	04 Aug 2015	Low Tide (ft)	0.1
I10	04 Aug 2015	Low Tide Time	641
I10	04 Aug 2015	Comments	CTD errors - cleaned 4 and 2 pin cables
I11	04 Aug 2015	Depth (m)	15
I11	04 Aug 2015	Arrive Time	1131
I11	04 Aug 2015	Depart Time	1138

Station	Date	Parameter	Value
I11	04 Aug 2015	Air Temp (C)	21
I11	04 Aug 2015	Weather	Partly Cloudy
I11	04 Aug 2015	Visibility (mi)	7
I11	04 Aug 2015	Wind Speed (kts)	5
I11	04 Aug 2015	Wind Dir	E
I11	04 Aug 2015	Water Color	Greenish-Blue
I11	04 Aug 2015	Wave Ht Low (ft)	4
I11	04 Aug 2015	Wave Period (sec)	11
I11	04 Aug 2015	Sea State	Light chop
I11	04 Aug 2015	High Tide (ft)	5.13
I11	04 Aug 2015	High Tide Time	1302
I11	04 Aug 2015	Low Tide (ft)	0.1
I11	04 Aug 2015	Low Tide Time	641
I11	04 Aug 2015	Comments	
I12	05 Aug 2015	Depth (m)	30
I12	05 Aug 2015	Arrive Time	1047
I12	05 Aug 2015	Depart Time	1050
I12	05 Aug 2015	Air Temp (C)	21
I12	05 Aug 2015	Weather	Partly Cloudy
I12	05 Aug 2015	Visibility (mi)	12
I12	05 Aug 2015	Wind Speed (kts)	5
I12	05 Aug 2015	Wind Dir	SE
I12	05 Aug 2015	Water Color	Bluish-Green
I12	05 Aug 2015	Wave Ht Low (ft)	4
I12	05 Aug 2015	Wave Period (sec)	7
I12	05 Aug 2015	Sea State	Wind ripples
I12	05 Aug 2015	High Tide (ft)	5.15
I12	05 Aug 2015	High Tide Time	1357
I12	05 Aug 2015	Low Tide (ft)	0.7
I12	05 Aug 2015	Low Tide Time	727
I12	05 Aug 2015	Comments	
I13	04 Aug 2015	Depth (m)	39
I13	04 Aug 2015	Arrive Time	1245
I13	04 Aug 2015	Depart Time	1252
I13	04 Aug 2015	Air Temp (C)	22
I13	04 Aug 2015	Weather	Partly Cloudy
I13	04 Aug 2015	Visibility (mi)	10
I13	04 Aug 2015	Wind Speed (kts)	2
I13	04 Aug 2015	Wind Dir	W
I13	04 Aug 2015	Water Color	Blue
I13	04 Aug 2015	Wave Ht Low (ft)	4
I13	04 Aug 2015	Wave Period (sec)	11
I13	04 Aug 2015	Sea State	Light chop
I13	04 Aug 2015	High Tide (ft)	5.13
I13	04 Aug 2015	High Tide Time	1302

Station	Date	Parameter	Value
I13	04 Aug 2015	Low Tide (ft)	0.1
I13	04 Aug 2015	Low Tide Time	641
I13	04 Aug 2015	Comments	Kelp debris
I14	05 Aug 2015	Depth (m)	29
I14	05 Aug 2015	Arrive Time	1110
I14	05 Aug 2015	Depart Time	1119
I14	05 Aug 2015	Air Temp (C)	22
I14	05 Aug 2015	Weather	Partly Cloudy
I14	05 Aug 2015	Visibility (mi)	12
I14	05 Aug 2015	Wind Speed (kts)	6
I14	05 Aug 2015	Wind Dir	S
I14	05 Aug 2015	Water Color	Bluish-Green
I14	05 Aug 2015	Wave Ht Low (ft)	4
I14	05 Aug 2015	Wave Period (sec)	7
I14	05 Aug 2015	Sea State	Wind ripples
I14	05 Aug 2015	High Tide (ft)	5.15
I14	05 Aug 2015	High Tide Time	1357
I14	05 Aug 2015	Low Tide (ft)	0.7
I14	05 Aug 2015	Low Tide Time	727
I14	05 Aug 2015	Comments	
I15	05 Aug 2015	Depth (m)	32
I15	05 Aug 2015	Arrive Time	1100
I15	05 Aug 2015	Depart Time	1107
I15	05 Aug 2015	Air Temp (C)	22
I15	05 Aug 2015	Weather	Partly Cloudy
I15	05 Aug 2015	Visibility (mi)	12
I15	05 Aug 2015	Wind Speed (kts)	4
I15	05 Aug 2015	Wind Dir	NW
I15	05 Aug 2015	Water Color	Bluish-Green
I15	05 Aug 2015	Wave Ht Low (ft)	4
I15	05 Aug 2015	Wave Period (sec)	7
I15	05 Aug 2015	Sea State	Wind ripples
I15	05 Aug 2015	High Tide (ft)	5.15
I15	05 Aug 2015	High Tide Time	1357
I15	05 Aug 2015	Low Tide (ft)	0.7
I15	05 Aug 2015	Low Tide Time	727
I15	05 Aug 2015	Comments	
I16	05 Aug 2015	Depth (m)	29
I16	05 Aug 2015	Arrive Time	1037
I16	05 Aug 2015	Depart Time	1041
I16	05 Aug 2015	Air Temp (C)	21
I16	05 Aug 2015	Weather	Partly Cloudy
I16	05 Aug 2015	Visibility (mi)	11
I16	05 Aug 2015	Wind Speed (kts)	6

Station	Date	Parameter	Value
I16	05 Aug 2015	Wind Dir	SW
I16	05 Aug 2015	Water Color	Bluish-Green
I16	05 Aug 2015	Wave Ht Low (ft)	4
I16	05 Aug 2015	Wave Period (sec)	7
I16	05 Aug 2015	Sea State	Wind ripples
I16	05 Aug 2015	High Tide (ft)	5.15
I16	05 Aug 2015	High Tide Time	1357
I16	05 Aug 2015	Low Tide (ft)	0.7
I16	05 Aug 2015	Low Tide Time	727
I16	05 Aug 2015	Comments	
I17	05 Aug 2015	Depth (m)	27
I17	05 Aug 2015	Arrive Time	1025
I17	05 Aug 2015	Depart Time	1031
I17	05 Aug 2015	Air Temp (C)	21
I17	05 Aug 2015	Weather	Partly Cloudy
I17	05 Aug 2015	Visibility (mi)	10
I17	05 Aug 2015	Wind Speed (kts)	6
I17	05 Aug 2015	Wind Dir	SE
I17	05 Aug 2015	Water Color	Bluish-Green
I17	05 Aug 2015	Wave Ht Low (ft)	4
I17	05 Aug 2015	Wave Period (sec)	7
I17	05 Aug 2015	Sea State	Wind ripples
I17	05 Aug 2015	High Tide (ft)	5.15
I17	05 Aug 2015	High Tide Time	1357
I17	05 Aug 2015	Low Tide (ft)	0.7
I17	05 Aug 2015	Low Tide Time	727
I17	05 Aug 2015	Comments	
I18	05 Aug 2015	Depth (m)	21
I18	05 Aug 2015	Arrive Time	1009
I18	05 Aug 2015	Depart Time	1018
I18	05 Aug 2015	Air Temp (C)	21
I18	05 Aug 2015	Weather	Partly Cloudy
I18	05 Aug 2015	Visibility (mi)	9
I18	05 Aug 2015	Wind Speed (kts)	3
I18	05 Aug 2015	Wind Dir	NE
I18	05 Aug 2015	Water Color	Bluish-Green
I18	05 Aug 2015	Wave Ht Low (ft)	4
I18	05 Aug 2015	Wave Period (sec)	7
I18	05 Aug 2015	Sea State	Wind ripples
I18	05 Aug 2015	High Tide (ft)	5.15
I18	05 Aug 2015	High Tide Time	1357
I18	05 Aug 2015	Low Tide (ft)	0.7
I18	05 Aug 2015	Low Tide Time	727
I18	05 Aug 2015	Comments	

Station	Date	Parameter	Value
I20	04 Aug 2015	Depth (m)	55
I20	04 Aug 2015	Arrive Time	901
I20	04 Aug 2015	Depart Time	914
I20	04 Aug 2015	Air Temp (C)	21
I20	04 Aug 2015	Weather	Fog
I20	04 Aug 2015	Visibility (mi)	4
I20	04 Aug 2015	Wind Speed (kts)	3
I20	04 Aug 2015	Wind Dir	N
I20	04 Aug 2015	Water Color	Greenish-Blue
I20	04 Aug 2015	Wave Ht Low (ft)	4
I20	04 Aug 2015	Wave Period (sec)	11
I20	04 Aug 2015	Sea State	Wind ripples
I20	04 Aug 2015	High Tide (ft)	5.13
I20	04 Aug 2015	High Tide Time	1302
I20	04 Aug 2015	Low Tide (ft)	0.1
I20	04 Aug 2015	Low Tide Time	641
I20	04 Aug 2015	Comments	Low Tide; Unable to obtain station depth
I21	04 Aug 2015	Depth (m)	42
I21	04 Aug 2015	Arrive Time	1300
I21	04 Aug 2015	Depart Time	1309
I21	04 Aug 2015	Air Temp (C)	22
I21	04 Aug 2015	Weather	Partly Cloudy
I21	04 Aug 2015	Visibility (mi)	10
I21	04 Aug 2015	Wind Speed (kts)	12
I21	04 Aug 2015	Wind Dir	SE
I21	04 Aug 2015	Water Color	Blue
I21	04 Aug 2015	Wave Ht Low (ft)	4
I21	04 Aug 2015	Wave Period (sec)	11
I21	04 Aug 2015	Sea State	Light chop
I21	04 Aug 2015	High Tide (ft)	5.13
I21	04 Aug 2015	High Tide Time	1302
I21	04 Aug 2015	Low Tide (ft)	0.1
I21	04 Aug 2015	Low Tide Time	641
I21	04 Aug 2015	Comments	
I22	05 Aug 2015	Depth (m)	30
I22	05 Aug 2015	Arrive Time	1126
I22	05 Aug 2015	Depart Time	1135
I22	05 Aug 2015	Air Temp (C)	21
I22	05 Aug 2015	Weather	Partly Cloudy
I22	05 Aug 2015	Visibility (mi)	13
I22	05 Aug 2015	Wind Speed (kts)	7
I22	05 Aug 2015	Wind Dir	N
I22	05 Aug 2015	Water Color	Bluish-Green
I22	05 Aug 2015	Wave Ht Low (ft)	4
I22	05 Aug 2015	Wave Period (sec)	7

Station	Date	Parameter	Value
I22	05 Aug 2015	Sea State	Wind ripples
I22	05 Aug 2015	High Tide (ft)	5.15
I22	05 Aug 2015	High Tide Time	1357
I22	05 Aug 2015	Low Tide (ft)	0.7
I22	05 Aug 2015	Low Tide Time	727
I22	05 Aug 2015	Comments	
I23	05 Aug 2015	Depth (m)	23
I23	05 Aug 2015	Arrive Time	1142
I23	05 Aug 2015	Depart Time	1152
I23	05 Aug 2015	Air Temp (C)	22
I23	05 Aug 2015	Weather	Partly Cloudy
I23	05 Aug 2015	Visibility (mi)	13
I23	05 Aug 2015	Wind Speed (kts)	8
I23	05 Aug 2015	Wind Dir	SE
I23	05 Aug 2015	Water Color	Bluish-Green
I23	05 Aug 2015	Wave Ht Low (ft)	4
I23	05 Aug 2015	Wave Period (sec)	7
I23	05 Aug 2015	Sea State	Wind ripples
I23	05 Aug 2015	High Tide (ft)	5.15
I23	05 Aug 2015	High Tide Time	1357
I23	05 Aug 2015	Low Tide (ft)	0.7
I23	05 Aug 2015	Low Tide Time	727
I23	05 Aug 2015	Comments	
I27	05 Aug 2015	Depth (m)	28
I27	05 Aug 2015	Arrive Time	825
I27	05 Aug 2015	Depart Time	832
I27	05 Aug 2015	Air Temp (C)	21
I27	05 Aug 2015	Weather	Partly Cloudy
I27	05 Aug 2015	Visibility (mi)	8
I27	05 Aug 2015	Wind Speed (kts)	3
I27	05 Aug 2015	Wind Dir	SW
I27	05 Aug 2015	Water Color	Greenish-Blue
I27	05 Aug 2015	Wave Ht Low (ft)	4
I27	05 Aug 2015	Wave Period (sec)	7
I27	05 Aug 2015	Sea State	Wind ripples
I27	05 Aug 2015	High Tide (ft)	5.15
I27	05 Aug 2015	High Tide Time	1357
I27	05 Aug 2015	Low Tide (ft)	0.7
I27	05 Aug 2015	Low Tide Time	727
I27	05 Aug 2015	Comments	
I28	06 Aug 2015	Depth (m)	57
I28	06 Aug 2015	Arrive Time	902
I28	06 Aug 2015	Depart Time	907
I28	06 Aug 2015	Air Temp (C)	21

Station	Date	Parameter	Value
I28	06 Aug 2015	Weather	Partly Cloudy
I28	06 Aug 2015	Visibility (mi)	5
I28	06 Aug 2015	Wind Speed (kts)	3
I28	06 Aug 2015	Wind Dir	NE
I28	06 Aug 2015	Water Color	Bluish-Green
I28	06 Aug 2015	Wave Ht Low (ft)	3
I28	06 Aug 2015	Wave Period (sec)	9
I28	06 Aug 2015	Sea State	Light chop
I28	06 Aug 2015	High Tide (ft)	5.17
I28	06 Aug 2015	High Tide Time	1459
I28	06 Aug 2015	Low Tide (ft)	1.29
I28	06 Aug 2015	Low Tide Time	822
I28	06 Aug 2015	Comments	
I29	06 Aug 2015	Depth (m)	37
I29	06 Aug 2015	Arrive Time	919
I29	06 Aug 2015	Depart Time	924
I29	06 Aug 2015	Air Temp (C)	21
I29	06 Aug 2015	Weather	Partly Cloudy
I29	06 Aug 2015	Visibility (mi)	5
I29	06 Aug 2015	Wind Speed (kts)	1
I29	06 Aug 2015	Wind Dir	SE
I29	06 Aug 2015	Water Color	Bluish-Green
I29	06 Aug 2015	Wave Ht Low (ft)	3
I29	06 Aug 2015	Wave Period (sec)	9
I29	06 Aug 2015	Sea State	Light chop
I29	06 Aug 2015	High Tide (ft)	5.17
I29	06 Aug 2015	High Tide Time	1459
I29	06 Aug 2015	Low Tide (ft)	1.29
I29	06 Aug 2015	Low Tide Time	822
I29	06 Aug 2015	Comments	Unable to obtain station depth
I30	06 Aug 2015	Depth (m)	28
I30	06 Aug 2015	Arrive Time	931
I30	06 Aug 2015	Depart Time	939
I30	06 Aug 2015	Air Temp (C)	21
I30	06 Aug 2015	Weather	Partly Cloudy
I30	06 Aug 2015	Visibility (mi)	5
I30	06 Aug 2015	Wind Speed (kts)	2
I30	06 Aug 2015	Wind Dir	S
I30	06 Aug 2015	Water Color	Green
I30	06 Aug 2015	Wave Ht Low (ft)	3
I30	06 Aug 2015	Wave Period (sec)	9
I30	06 Aug 2015	Sea State	Calm
I30	06 Aug 2015	High Tide (ft)	5.17
I30	06 Aug 2015	High Tide Time	1459
I30	06 Aug 2015	Low Tide (ft)	1.29

Station	Date	Parameter	Value
I30	06 Aug 2015	Low Tide Time	822
I30	06 Aug 2015	Comments	
I31	06 Aug 2015	Depth (m)	20
I31	06 Aug 2015	Arrive Time	945
I31	06 Aug 2015	Depart Time	949
I31	06 Aug 2015	Air Temp (C)	21
I31	06 Aug 2015	Weather	Partly Cloudy
I31	06 Aug 2015	Visibility (mi)	5
I31	06 Aug 2015	Wind Speed (kts)	3
I31	06 Aug 2015	Wind Dir	E
I31	06 Aug 2015	Water Color	Green
I31	06 Aug 2015	Wave Ht Low (ft)	3
I31	06 Aug 2015	Wave Period (sec)	9
I31	06 Aug 2015	Sea State	Calm
I31	06 Aug 2015	High Tide (ft)	5.17
I31	06 Aug 2015	High Tide Time	1459
I31	06 Aug 2015	Low Tide (ft)	1.29
I31	06 Aug 2015	Low Tide Time	822
I31	06 Aug 2015	Comments	
I33	06 Aug 2015	Depth (m)	30
I33	06 Aug 2015	Arrive Time	840
I33	06 Aug 2015	Depart Time	845
I33	06 Aug 2015	Air Temp (C)	20
I33	06 Aug 2015	Weather	Partly Cloudy
I33	06 Aug 2015	Visibility (mi)	5
I33	06 Aug 2015	Wind Speed (kts)	3
I33	06 Aug 2015	Wind Dir	N
I33	06 Aug 2015	Water Color	Brownish-Green
I33	06 Aug 2015	Wave Ht Low (ft)	3
I33	06 Aug 2015	Wave Period (sec)	9
I33	06 Aug 2015	Sea State	Light chop
I33	06 Aug 2015	High Tide (ft)	5.17
I33	06 Aug 2015	High Tide Time	1459
I33	06 Aug 2015	Low Tide (ft)	1.29
I33	06 Aug 2015	Low Tide Time	822
I33	06 Aug 2015	Comments	Kelp debris
I34	06 Aug 2015	Depth (m)	20
I34	06 Aug 2015	Arrive Time	824
I34	06 Aug 2015	Depart Time	830
I34	06 Aug 2015	Air Temp (C)	21
I34	06 Aug 2015	Weather	Partly Cloudy
I34	06 Aug 2015	Visibility (mi)	5
I34	06 Aug 2015	Wind Speed (kts)	4
I34	06 Aug 2015	Wind Dir	W

Station	Date	Parameter	Value
I34	06 Aug 2015	Water Color	Brownish-Green
I34	06 Aug 2015	Wave Ht Low (ft)	3
I34	06 Aug 2015	Wave Period (sec)	9
I34	06 Aug 2015	Sea State	Light chop
I34	06 Aug 2015	High Tide (ft)	5.17
I34	06 Aug 2015	High Tide Time	1459
I34	06 Aug 2015	Low Tide (ft)	1.29
I34	06 Aug 2015	Low Tide Time	822
I34	06 Aug 2015	Comments	
I35	06 Aug 2015	Depth (m)	20
I35	06 Aug 2015	Arrive Time	1037
I35	06 Aug 2015	Depart Time	1040
I35	06 Aug 2015	Air Temp (C)	21
I35	06 Aug 2015	Weather	Partly Cloudy
I35	06 Aug 2015	Visibility (mi)	5
I35	06 Aug 2015	Wind Speed (kts)	4
I35	06 Aug 2015	Wind Dir	NW
I35	06 Aug 2015	Water Color	Green
I35	06 Aug 2015	Wave Ht Low (ft)	3
I35	06 Aug 2015	Wave Period (sec)	9
I35	06 Aug 2015	Sea State	Light chop
I35	06 Aug 2015	High Tide (ft)	5.17
I35	06 Aug 2015	High Tide Time	1459
I35	06 Aug 2015	Low Tide (ft)	1.29
I35	06 Aug 2015	Low Tide Time	822
I35	06 Aug 2015	Comments	
I36	06 Aug 2015	Depth (m)	12
I36	06 Aug 2015	Arrive Time	1022
I36	06 Aug 2015	Depart Time	1026
I36	06 Aug 2015	Air Temp (C)	21
I36	06 Aug 2015	Weather	Partly Cloudy
I36	06 Aug 2015	Visibility (mi)	5
I36	06 Aug 2015	Wind Speed (kts)	9
I36	06 Aug 2015	Wind Dir	NW
I36	06 Aug 2015	Water Color	Green
I36	06 Aug 2015	Wave Ht Low (ft)	3
I36	06 Aug 2015	Wave Period (sec)	9
I36	06 Aug 2015	Sea State	Light chop
I36	06 Aug 2015	High Tide (ft)	5.17
I36	06 Aug 2015	High Tide Time	1459
I36	06 Aug 2015	Low Tide (ft)	1.29
I36	06 Aug 2015	Low Tide Time	822
I36	06 Aug 2015	Comments	
I37	06 Aug 2015	Depth (m)	13

Station	Date	Parameter	Value
I37	06 Aug 2015	Arrive Time	757
I37	06 Aug 2015	Depart Time	809
I37	06 Aug 2015	Air Temp (C)	21
I37	06 Aug 2015	Weather	Partly Cloudy
I37	06 Aug 2015	Visibility (mi)	5
I37	06 Aug 2015	Wind Speed (kts)	3
I37	06 Aug 2015	Wind Dir	SE
I37	06 Aug 2015	Water Color	Green
I37	06 Aug 2015	Wave Ht Low (ft)	3
I37	06 Aug 2015	Wave Period (sec)	9
I37	06 Aug 2015	Sea State	Calm
I37	06 Aug 2015	High Tide (ft)	5.17
I37	06 Aug 2015	High Tide Time	1459
I37	06 Aug 2015	Low Tide (ft)	1.29
I37	06 Aug 2015	Low Tide Time	822
I37	06 Aug 2015	Comments	
I38	06 Aug 2015	Depth (m)	13
I38	06 Aug 2015	Arrive Time	1051
I38	06 Aug 2015	Depart Time	1058
I38	06 Aug 2015	Air Temp (C)	21
I38	06 Aug 2015	Weather	Partly Cloudy
I38	06 Aug 2015	Visibility (mi)	5
I38	06 Aug 2015	Wind Speed (kts)	6
I38	06 Aug 2015	Wind Dir	W
I38	06 Aug 2015	Water Color	Green
I38	06 Aug 2015	Wave Ht Low (ft)	3
I38	06 Aug 2015	Wave Period (sec)	9
I38	06 Aug 2015	Sea State	Light chop
I38	06 Aug 2015	High Tide (ft)	5.17
I38	06 Aug 2015	High Tide Time	1459
I38	06 Aug 2015	Low Tide (ft)	1.29
I38	06 Aug 2015	Low Tide Time	822
I38	06 Aug 2015	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	04 Aug 2015	1	22.23	88.25	7.4	33.41	8.2	22.9	0.37
I1	04 Aug 2015	2	22.22	88.32	7.4	33.41	8.2	22.9	0.38
I1	04 Aug 2015	3	22.05	88.36	7.2	33.40	8.2	23.0	0.37
I1	04 Aug 2015	4	20.75	88.71	7.4	33.41	8.2	23.3	0.32
I1	04 Aug 2015	5	19.79	89.38	7.7	33.40	8.2	23.6	0.29
I1	04 Aug 2015	6	19.55	89.81	7.8	33.41	8.2	23.7	0.27
I1	04 Aug 2015	7	19.28	89.95	7.9	33.39	8.2	23.7	0.27
I1	04 Aug 2015	8	18.96	89.96	7.9	33.37	8.2	23.8	0.27
I1	04 Aug 2015	9	18.52	89.85	8.0	33.33	8.2	23.9	0.27
I1	04 Aug 2015	10	18.02	89.87	8.2	33.31	8.2	24.0	0.27
I1	04 Aug 2015	11	17.72	89.85	8.2	33.32	8.2	24.1	0.28
I1	04 Aug 2015	12	17.38	89.83	8.3	33.30	8.2	24.1	0.29
I1	04 Aug 2015	13	17.03	89.71	8.4	33.29	8.2	24.2	0.32
I1	04 Aug 2015	14	16.77	89.64	8.4	33.29	8.2	24.3	0.33
I1	04 Aug 2015	15	16.43	89.55	8.3	33.27	8.2	24.3	0.35
I1	04 Aug 2015	16	16.10	89.65	8.3	33.26	8.2	24.4	0.37
I1	04 Aug 2015	17	16.06	89.49	8.4	33.27	8.2	24.4	0.41
I1	04 Aug 2015	18	16.01	89.46	8.3	33.27	8.2	24.4	0.46
I1	04 Aug 2015	19	15.78	89.26	8.3	33.25	8.2	24.4	0.53
I1	04 Aug 2015	20	15.46	88.85	8.3	33.24	8.2	24.5	0.61
I1	04 Aug 2015	21	15.20	88.42	8.4	33.25	8.2	24.6	0.77
I1	04 Aug 2015	22	15.10	88.07	8.4	33.26	8.2	24.6	0.93
I1	04 Aug 2015	23	15.06	87.69	8.4	33.26	8.2	24.6	1.06
I1	04 Aug 2015	24	15.03	87.59	8.4	33.27	8.2	24.6	1.19
I1	04 Aug 2015	25	15.00	87.51	8.3	33.26	8.2	24.6	1.32
I1	04 Aug 2015	26	14.92	87.20	8.3	33.26	8.2	24.6	1.55
I1	04 Aug 2015	27	14.74	86.57	8.3	33.25	8.2	24.7	1.97
I1	04 Aug 2015	28	14.45	85.66	8.2	33.26	8.2	24.7	2.66
I1	04 Aug 2015	29	14.32	84.74	8.2	33.26	8.2	24.8	3.00
I1	04 Aug 2015	30	14.30	84.76	8.2	33.27	8.2	24.8	3.10
I1	04 Aug 2015	31	14.28	84.60	8.2	33.27	8.2	24.8	3.23
I1	04 Aug 2015	32	14.27	84.55	8.2	33.27	8.2	24.8	3.38
I1	04 Aug 2015	33	14.24	84.47	8.2	33.27	8.2	24.8	3.55
I1	04 Aug 2015	34	14.20	84.21	8.1	33.27	8.2	24.8	3.92
I1	04 Aug 2015	35	14.16	83.57	8.0	33.26	8.2	24.8	4.41
I1	04 Aug 2015	36	13.86	82.76	7.8	33.20	8.2	24.8	4.31
I1	04 Aug 2015	37	13.59	85.12	7.6	33.21	8.1	24.9	3.47
I1	04 Aug 2015	38	13.47	87.70	7.4	33.22	8.1	24.9	2.71
I1	04 Aug 2015	39	13.43	88.35	7.4	33.22	8.1	24.9	2.37
I1	04 Aug 2015	40	13.35	88.68	7.4	33.23	8.1	25.0	2.21
I1	04 Aug 2015	41	13.27	88.87	7.3	33.23	8.1	25.0	2.06
I1	04 Aug 2015	42	13.13	89.23	7.2	33.23	8.1	25.0	1.94
I1	04 Aug 2015	43	12.94	89.47	7.1	33.25	8.1	25.0	1.87
I1	04 Aug 2015	44	12.87	89.58	7.1	33.26	8.1	25.1	1.81
I1	04 Aug 2015	45	12.85	89.62	7.1	33.26	8.1	25.1	1.78
I1	04 Aug 2015	46	12.84	89.67	7.1	33.26	8.1	25.1	1.76
I1	04 Aug 2015	47	12.84	89.66	7.0	33.26	8.1	25.1	1.74
I1	04 Aug 2015	48	12.83	89.69	7.0	33.27	8.1	25.1	1.71
I1	04 Aug 2015	49	12.81	89.70	7.0	33.27	8.1	25.1	1.69
I1	04 Aug 2015	50	12.79	89.73	6.9	33.27	8.1	25.1	1.64
I1	04 Aug 2015	51	12.76	89.74	6.9	33.28	8.1	25.1	1.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I1	04 Aug 2015	52	12.73	89.76	6.8	33.28	8.1	25.1	1.57
I1	04 Aug 2015	53	12.70	89.76	6.8	33.29	8.1	25.1	1.54
I1	04 Aug 2015	54	12.67	89.80	6.8	33.29	8.1	25.1	1.49
I1	04 Aug 2015	55	12.61	89.85	6.7	33.30	8.0	25.1	1.42
I1	04 Aug 2015	56	12.47	89.95	6.5	33.32	8.0	25.2	1.30
I1	04 Aug 2015	57	12.35	90.12	6.3	33.33	8.0	25.2	1.14
I1	04 Aug 2015	58	12.24	90.24	6.2	33.35	8.0	25.3	1.01
I1	04 Aug 2015	59	12.06	90.22	6.0	33.38	8.0	25.3	0.91
I1	04 Aug 2015	60	12.00	90.23	5.9	33.40	8.0	25.3	0.87
I2	04 Aug 2015	1	22.23	87.85	7.4	33.39	8.2	22.9	0.38
I2	04 Aug 2015	2	21.97	88.28	7.5	33.38	8.2	23.0	0.41
I2	04 Aug 2015	3	20.40	87.76	8.0	33.36	8.2	23.4	0.46
I2	04 Aug 2015	4	19.69	87.86	7.8	33.38	8.2	23.6	0.41
I2	04 Aug 2015	5	19.23	89.21	7.9	33.39	8.2	23.7	0.36
I2	04 Aug 2015	6	19.09	89.41	7.9	33.37	8.2	23.8	0.35
I2	04 Aug 2015	7	18.86	89.41	7.9	33.36	8.2	23.8	0.35
I2	04 Aug 2015	8	18.75	89.42	8.0	33.37	8.2	23.8	0.36
I2	04 Aug 2015	9	18.72	89.35	7.9	33.38	8.2	23.9	0.38
I2	04 Aug 2015	10	18.44	89.20	8.0	33.33	8.2	23.9	0.42
I2	04 Aug 2015	11	17.75	88.43	8.4	33.31	8.2	24.0	0.54
I2	04 Aug 2015	12	17.21	87.47	8.7	33.31	8.2	24.2	0.68
I2	04 Aug 2015	13	16.78	86.38	8.8	33.26	8.2	24.2	0.81
I2	04 Aug 2015	14	16.19	85.74	8.9	33.27	8.2	24.4	0.87
I2	04 Aug 2015	15	15.81	85.98	8.6	33.25	8.2	24.4	0.84
I2	04 Aug 2015	16	15.30	87.29	8.4	33.24	8.2	24.5	0.82
I2	04 Aug 2015	17	15.05	87.75	8.4	33.23	8.2	24.6	0.90
I2	04 Aug 2015	18	14.94	87.66	8.4	33.24	8.2	24.6	1.05
I2	04 Aug 2015	19	14.89	87.57	8.4	33.24	8.2	24.6	1.32
I2	04 Aug 2015	20	14.80	87.13	8.3	33.24	8.2	24.7	1.89
I2	04 Aug 2015	21	14.57	85.29	8.3	33.24	8.2	24.7	2.63
I2	04 Aug 2015	22	14.42	84.71	8.2	33.25	8.2	24.7	3.10
I2	04 Aug 2015	23	14.27	84.81	8.1	33.24	8.2	24.8	3.30
I2	04 Aug 2015	24	14.14	85.00	8.0	33.24	8.2	24.8	3.21
I2	04 Aug 2015	25	13.96	86.09	7.9	33.25	8.2	24.8	3.00
I2	04 Aug 2015	26	13.89	86.65	7.8	33.25	8.1	24.9	2.82
I2	04 Aug 2015	27	13.63	87.25	7.6	33.24	8.1	24.9	2.46
I2	04 Aug 2015	28	13.22	88.59	7.3	33.24	8.1	25.0	1.99
I2	04 Aug 2015	29	13.15	89.08	7.2	33.24	8.1	25.0	1.86
I2	04 Aug 2015	30	13.14	89.14	7.2	33.25	8.1	25.0	1.82
I2	04 Aug 2015	31	13.14	89.16	7.2	33.25	8.1	25.0	1.82
I2	04 Aug 2015	32	13.14	89.19	7.2	33.25	8.1	25.0	1.83
I3	04 Aug 2015	1	22.07	88.48	7.5	33.41	8.2	23.0	0.26
I3	04 Aug 2015	2	21.98	88.57	7.5	33.41	8.2	23.0	0.26
I3	04 Aug 2015	3	21.59	88.47	7.8	33.36	8.2	23.1	0.29
I3	04 Aug 2015	4	20.78	88.28	8.0	33.33	8.2	23.2	0.34
I3	04 Aug 2015	5	18.94	87.00	8.8	33.32	8.2	23.7	0.39
I3	04 Aug 2015	6	18.66	86.80	8.9	33.31	8.2	23.8	0.43
I3	04 Aug 2015	7	18.36	85.80	8.9	33.27	8.2	23.9	0.48
I3	04 Aug 2015	8	17.94	85.67	8.9	33.29	8.2	24.0	0.51
I3	04 Aug 2015	9	17.46	86.04	8.9	33.27	8.2	24.1	0.59
I3	04 Aug 2015	10	16.84	85.39	9.0	33.27	8.2	24.2	0.69
I3	04 Aug 2015	11	16.33	84.96	8.8	33.25	8.2	24.3	0.75
I3	04 Aug 2015	12	15.58	84.95	8.8	33.24	8.2	24.5	0.80

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I3	04 Aug 2015	13	15.28	85.10	8.8	33.26	8.2	24.6	0.82
I3	04 Aug 2015	14	14.96	85.41	8.7	33.23	8.2	24.6	0.88
I3	04 Aug 2015	15	14.73	85.62	8.6	33.25	8.2	24.7	1.02
I3	04 Aug 2015	16	14.68	85.56	8.6	33.25	8.2	24.7	1.34
I3	04 Aug 2015	17	14.48	85.48	8.4	33.23	8.2	24.7	2.27
I3	04 Aug 2015	18	14.29	85.07	8.3	33.25	8.2	24.8	3.09
I3	04 Aug 2015	19	14.09	83.92	7.9	33.23	8.2	24.8	3.18
I3	04 Aug 2015	20	13.63	83.51	7.6	33.23	8.2	24.9	2.83
I3	04 Aug 2015	21	13.42	83.72	7.4	33.24	8.1	24.9	2.45
I3	04 Aug 2015	22	13.30	85.68	7.3	33.24	8.1	25.0	2.20
I3	04 Aug 2015	23	13.28	87.36	7.3	33.24	8.1	25.0	2.11
I3	04 Aug 2015	24	13.28	87.55	7.3	33.25	8.1	25.0	2.09
I3	04 Aug 2015	25	13.27	87.59	7.3	33.25	8.1	25.0	2.09
I3	04 Aug 2015	26	13.27	87.92	7.3	33.25	8.1	25.0	2.08
I3	04 Aug 2015	27	13.27	88.11	7.3	33.25	8.1	25.0	2.09
I4	04 Aug 2015	1	21.30	83.70	7.7	33.37	8.2	23.2	0.53
I4	04 Aug 2015	2	21.05	83.69	7.8	33.35	8.2	23.2	0.54
I4	04 Aug 2015	3	20.77	84.66	7.8	33.35	8.2	23.3	0.56
I4	04 Aug 2015	4	20.49	85.22	7.9	33.35	8.2	23.4	0.56
I4	04 Aug 2015	5	20.19	85.58	7.9	33.32	8.2	23.4	0.59
I4	04 Aug 2015	6	19.31	84.68	8.2	33.25	8.2	23.6	0.62
I4	04 Aug 2015	7	17.90	85.12	8.4	33.20	8.2	23.9	0.65
I4	04 Aug 2015	8	16.50	85.69	8.7	33.25	8.2	24.3	0.80
I4	04 Aug 2015	9	15.73	84.42	8.4	33.16	8.2	24.4	1.15
I4	04 Aug 2015	10	14.52	82.46	8.1	33.15	8.2	24.6	1.67
I4	04 Aug 2015	11	13.80	81.34	7.9	33.18	8.2	24.8	2.05
I4	04 Aug 2015	12	13.65	81.76	7.8	33.21	8.1	24.9	2.35
I4	04 Aug 2015	13	13.62	81.82	7.8	33.22	8.1	24.9	2.61
I4	04 Aug 2015	14	13.60	81.88	7.8	33.22	8.1	24.9	2.82
I4	04 Aug 2015	15	13.59	82.05	7.7	33.23	8.1	24.9	3.06
I4	04 Aug 2015	16	13.59	82.09	7.6	33.23	8.1	24.9	3.22
I4	04 Aug 2015	17	13.57	82.20	7.6	33.24	8.1	24.9	3.34
I4	04 Aug 2015	18	13.57	82.31	7.6	33.24	8.1	24.9	3.45
I5	04 Aug 2015	1	20.98	82.49	7.8	33.36	8.2	23.3	0.50
I5	04 Aug 2015	2	20.84	83.92	7.8	33.35	8.2	23.3	0.51
I5	04 Aug 2015	3	20.60	84.18	7.9	33.35	8.2	23.3	0.57
I5	04 Aug 2015	4	20.46	83.92	8.0	33.35	8.2	23.4	0.62
I5	04 Aug 2015	5	20.43	83.94	7.9	33.35	8.2	23.4	0.64
I5	04 Aug 2015	6	20.14	84.21	7.9	33.31	8.2	23.4	0.66
I5	04 Aug 2015	7	19.15	84.88	8.1	33.28	8.2	23.7	0.70
I5	04 Aug 2015	8	17.43	84.88	8.3	33.19	8.2	24.0	0.88
I5	04 Aug 2015	9	15.94	82.82	8.2	33.20	8.2	24.4	1.33
I5	04 Aug 2015	10	15.03	79.59	8.0	33.17	8.2	24.6	2.14
I5	04 Aug 2015	11	14.10	77.33	7.9	33.19	8.2	24.8	2.15
I5	04 Aug 2015	12	13.90	80.29	7.8	33.20	8.1	24.8	2.01
I5	04 Aug 2015	13	13.81	81.34	7.7	33.22	8.1	24.8	2.40
I5	04 Aug 2015	14	13.75	80.99	7.7	33.23	8.1	24.9	2.93
I6	04 Aug 2015	1	20.85	84.38	7.8	33.35	8.2	23.3	0.48
I6	04 Aug 2015	2	20.67	84.44	7.9	33.34	8.2	23.3	0.52
I6	04 Aug 2015	3	20.48	84.06	8.0	33.34	8.2	23.4	0.54
I6	04 Aug 2015	4	20.28	84.00	8.0	33.32	8.2	23.4	0.57
I6	04 Aug 2015	5	19.63	83.84	8.1	33.28	8.2	23.5	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I6	04 Aug 2015	6	18.42	83.64	8.4	33.28	8.2	23.8	0.62
I6	04 Aug 2015	7	17.06	84.52	8.9	33.27	8.2	24.2	0.67
I6	04 Aug 2015	8	17.01	84.82	8.9	33.28	8.2	24.2	0.69
I6	04 Aug 2015	9	16.95	84.87	8.8	33.27	8.2	24.2	0.72
I6	04 Aug 2015	10	16.64	85.07	8.5	33.23	8.2	24.2	0.73
I6	04 Aug 2015	11	15.62	85.67	8.7	33.24	8.2	24.5	0.76
I6	04 Aug 2015	12	15.04	85.56	8.7	33.23	8.2	24.6	0.83
I6	04 Aug 2015	13	14.79	85.36	8.7	33.23	8.2	24.7	0.95
I6	04 Aug 2015	14	14.59	85.06	8.7	33.23	8.2	24.7	1.11
I6	04 Aug 2015	15	14.41	84.62	8.6	33.23	8.2	24.7	1.35
I6	04 Aug 2015	16	14.30	84.16	8.5	33.23	8.2	24.8	1.98
I6	04 Aug 2015	17	14.13	82.68	8.3	33.23	8.2	24.8	3.31
I6	04 Aug 2015	18	14.02	80.68	8.1	33.22	8.2	24.8	4.19
I6	04 Aug 2015	19	13.79	81.35	7.8	33.22	8.2	24.9	4.37
I6	04 Aug 2015	20	13.56	82.38	7.6	33.22	8.2	24.9	4.20
I6	04 Aug 2015	21	13.35	83.67	7.3	33.23	8.1	25.0	3.49
I6	04 Aug 2015	22	13.20	86.05	7.1	33.24	8.1	25.0	2.76
I6	04 Aug 2015	23	13.18	87.13	7.1	33.25	8.1	25.0	2.45
I6	04 Aug 2015	24	13.17	87.42	7.2	33.25	8.1	25.0	2.32
I6	04 Aug 2015	25	13.17	87.48	7.2	33.25	8.1	25.0	2.27
I6	04 Aug 2015	26	13.17	87.60	7.1	33.26	8.1	25.0	2.28
I7	04 Aug 2015	1	22.27	88.26	7.4	33.39	8.2	22.9	0.36
I7	04 Aug 2015	2	22.16	88.22	7.5	33.39	8.2	23.0	0.38
I7	04 Aug 2015	3	22.12	88.13	7.4	33.38	8.2	23.0	0.41
I7	04 Aug 2015	4	20.75	88.03	7.8	33.37	8.2	23.3	0.47
I7	04 Aug 2015	5	19.69	87.90	8.0	33.34	8.2	23.6	0.48
I7	04 Aug 2015	6	18.83	87.88	8.2	33.34	8.2	23.8	0.44
I7	04 Aug 2015	7	18.44	88.55	8.3	33.35	8.2	23.9	0.42
I7	04 Aug 2015	8	18.22	88.89	8.2	33.34	8.2	23.9	0.41
I7	04 Aug 2015	9	18.04	88.96	8.2	33.34	8.2	24.0	0.42
I7	04 Aug 2015	10	17.53	88.93	8.3	33.32	8.2	24.1	0.41
I7	04 Aug 2015	11	17.24	89.04	8.4	33.33	8.2	24.2	0.42
I7	04 Aug 2015	12	17.14	89.11	8.4	33.32	8.2	24.2	0.43
I7	04 Aug 2015	13	16.94	89.09	8.4	33.31	8.2	24.2	0.44
I7	04 Aug 2015	14	16.80	89.08	8.4	33.31	8.2	24.3	0.47
I7	04 Aug 2015	15	16.55	88.82	8.4	33.29	8.2	24.3	0.55
I7	04 Aug 2015	16	15.90	88.19	8.5	33.26	8.2	24.4	0.60
I7	04 Aug 2015	17	15.57	87.90	8.4	33.26	8.2	24.5	0.64
I7	04 Aug 2015	18	15.37	88.15	8.4	33.24	8.2	24.5	0.67
I7	04 Aug 2015	19	15.15	88.58	8.4	33.24	8.2	24.6	0.73
I7	04 Aug 2015	20	15.00	88.45	8.4	33.23	8.2	24.6	0.77
I7	04 Aug 2015	21	14.88	88.58	8.4	33.24	8.2	24.6	0.83
I7	04 Aug 2015	22	14.80	88.42	8.4	33.24	8.2	24.7	0.99
I7	04 Aug 2015	23	14.71	88.15	8.3	33.24	8.2	24.7	1.32
I7	04 Aug 2015	24	14.64	87.38	8.3	33.25	8.2	24.7	1.70
I7	04 Aug 2015	25	14.55	86.91	8.2	33.24	8.2	24.7	2.21
I7	04 Aug 2015	26	14.31	86.14	8.1	33.24	8.2	24.8	2.59
I7	04 Aug 2015	27	14.11	86.57	7.8	33.23	8.2	24.8	2.59
I7	04 Aug 2015	28	13.72	87.14	7.6	33.21	8.1	24.9	2.42
I7	04 Aug 2015	29	13.39	88.05	7.4	33.23	8.1	24.9	2.15
I7	04 Aug 2015	30	13.29	88.84	7.3	33.23	8.1	25.0	1.91
I7	04 Aug 2015	31	13.19	89.30	7.3	33.22	8.1	25.0	1.78
I7	04 Aug 2015	32	12.97	89.76	7.2	33.24	8.1	25.0	1.66
I7	04 Aug 2015	33	12.91	89.96	7.1	33.25	8.1	25.1	1.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I7	04 Aug 2015	34	12.89	89.99	7.1	33.25	8.1	25.1	1.60
I7	04 Aug 2015	35	12.87	89.98	7.1	33.26	8.1	25.1	1.61
I7	04 Aug 2015	36	12.87	90.02	7.1	33.26	8.1	25.1	1.59
I7	04 Aug 2015	37	12.86	90.04	7.1	33.26	8.1	25.1	1.58
I7	04 Aug 2015	38	12.85	90.05	7.1	33.26	8.1	25.1	1.56
I7	04 Aug 2015	39	12.84	90.07	7.0	33.26	8.1	25.1	1.54
I7	04 Aug 2015	40	12.82	90.09	7.0	33.27	8.1	25.1	1.54
I7	04 Aug 2015	41	12.81	90.12	7.0	33.27	8.1	25.1	1.53
I7	04 Aug 2015	42	12.80	90.13	7.0	33.27	8.1	25.1	1.52
I7	04 Aug 2015	43	12.76	90.13	6.9	33.27	8.1	25.1	1.51
I7	04 Aug 2015	44	12.72	90.13	6.9	33.27	8.1	25.1	1.49
I7	04 Aug 2015	45	12.66	90.09	6.8	33.28	8.1	25.1	1.43
I7	04 Aug 2015	46	12.56	90.03	6.6	33.30	8.1	25.2	1.36
I7	04 Aug 2015	47	12.47	90.01	6.5	33.31	8.1	25.2	1.24
I7	04 Aug 2015	48	12.43	89.99	6.5	33.31	8.1	25.2	1.19
I7	04 Aug 2015	49	12.42	89.99	6.5	33.31	8.0	25.2	1.17
I7	04 Aug 2015	50	12.42	89.97	6.5	33.32	8.0	25.2	1.17
I7	04 Aug 2015	51	12.42	90.04	6.5	33.32	8.0	25.2	1.16
I8	04 Aug 2015	1	22.68	87.37	7.3	33.40	8.2	22.8	0.33
I8	04 Aug 2015	2	22.34	87.88	7.4	33.39	8.2	22.9	0.34
I8	04 Aug 2015	3	22.17	88.24	7.4	33.38	8.2	22.9	0.33
I8	04 Aug 2015	4	21.41	88.19	7.8	33.30	8.2	23.1	0.37
I8	04 Aug 2015	5	19.86	87.34	8.3	33.32	8.2	23.5	0.41
I8	04 Aug 2015	6	19.16	86.66	8.2	33.36	8.2	23.7	0.39
I8	04 Aug 2015	7	18.93	87.88	8.1	33.34	8.2	23.8	0.37
I8	04 Aug 2015	8	18.29	88.25	8.2	33.31	8.2	23.9	0.41
I8	04 Aug 2015	9	17.37	87.18	8.8	33.27	8.2	24.1	0.50
I8	04 Aug 2015	10	16.78	85.25	9.2	33.28	8.2	24.2	0.60
I8	04 Aug 2015	11	16.72	85.02	9.1	33.28	8.2	24.3	0.64
I8	04 Aug 2015	12	16.62	85.10	9.0	33.27	8.2	24.3	0.68
I8	04 Aug 2015	13	16.27	85.19	8.7	33.27	8.2	24.4	0.71
I8	04 Aug 2015	14	15.43	85.44	8.5	33.25	8.2	24.5	0.70
I8	04 Aug 2015	15	15.10	86.30	8.5	33.25	8.2	24.6	0.72
I8	04 Aug 2015	16	15.07	86.59	8.6	33.25	8.2	24.6	0.74
I8	04 Aug 2015	17	14.98	86.74	8.5	33.24	8.2	24.6	0.81
I8	04 Aug 2015	18	14.82	86.71	8.4	33.24	8.2	24.7	1.08
I8	04 Aug 2015	19	14.66	85.97	8.4	33.24	8.2	24.7	1.75
I8	04 Aug 2015	20	14.48	83.95	8.3	33.24	8.2	24.7	2.47
I8	04 Aug 2015	21	14.29	83.24	8.2	33.24	8.2	24.8	2.84
I8	04 Aug 2015	22	14.19	83.81	8.2	33.26	8.2	24.8	3.24
I8	04 Aug 2015	23	14.16	83.64	8.1	33.26	8.2	24.8	3.64
I8	04 Aug 2015	24	14.11	83.00	8.1	33.26	8.2	24.8	3.90
I8	04 Aug 2015	25	14.00	83.49	8.0	33.25	8.2	24.8	3.78
I8	04 Aug 2015	26	13.94	84.71	7.9	33.26	8.2	24.9	3.60
I8	04 Aug 2015	27	13.89	85.59	7.8	33.25	8.2	24.9	3.25
I8	04 Aug 2015	28	13.54	86.91	7.5	33.22	8.2	24.9	2.59
I8	04 Aug 2015	29	13.32	88.45	7.3	33.23	8.1	25.0	2.14
I8	04 Aug 2015	30	13.23	88.84	7.3	33.22	8.1	25.0	2.00
I8	04 Aug 2015	31	13.03	89.13	7.2	33.24	8.1	25.0	1.94
I8	04 Aug 2015	32	12.91	89.25	7.0	33.25	8.1	25.1	1.82
I8	04 Aug 2015	33	12.87	89.33	6.9	33.26	8.1	25.1	1.64
I8	04 Aug 2015	34	12.84	89.45	6.9	33.27	8.1	25.1	1.49
I8	04 Aug 2015	35	12.84	89.45	6.9	33.27	8.1	25.1	1.42
I8	04 Aug 2015	36	12.84	89.48	6.9	33.27	8.1	25.1	1.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I9	04 Aug 2015	1	22.29	87.64	7.5	33.38	8.2	22.9	0.31
I9	04 Aug 2015	2	21.77	87.08	7.6	33.37	8.2	23.0	0.35
I9	04 Aug 2015	3	21.37	86.34	7.7	33.37	8.2	23.2	0.38
I9	04 Aug 2015	4	21.17	86.19	7.8	33.37	8.2	23.2	0.41
I9	04 Aug 2015	5	21.02	85.58	7.8	33.34	8.2	23.2	0.44
I9	04 Aug 2015	6	19.64	84.52	8.3	33.28	8.2	23.5	0.51
I9	04 Aug 2015	7	18.38	83.89	8.6	33.27	8.2	23.8	0.56
I9	04 Aug 2015	8	17.17	84.33	9.0	33.26	8.2	24.1	0.61
I9	04 Aug 2015	9	16.55	84.72	9.1	33.27	8.2	24.3	0.65
I9	04 Aug 2015	10	16.11	84.85	8.9	33.26	8.2	24.4	0.70
I9	04 Aug 2015	11	15.54	85.04	8.9	33.26	8.2	24.5	0.76
I9	04 Aug 2015	12	15.41	85.18	8.9	33.26	8.2	24.5	0.84
I9	04 Aug 2015	13	15.30	84.99	8.9	33.26	8.2	24.6	0.91
I9	04 Aug 2015	14	15.29	84.93	8.8	33.26	8.2	24.6	1.00
I9	04 Aug 2015	15	15.00	84.90	8.5	33.25	8.2	24.6	1.25
I9	04 Aug 2015	16	14.43	84.44	8.5	33.25	8.2	24.7	1.48
I9	04 Aug 2015	17	14.36	84.25	8.4	33.25	8.2	24.8	1.93
I9	04 Aug 2015	18	14.31	84.00	8.4	33.25	8.2	24.8	2.61
I9	04 Aug 2015	19	14.27	82.62	8.4	33.26	8.2	24.8	3.43
I9	04 Aug 2015	20	14.21	82.58	8.2	33.25	8.2	24.8	4.04
I9	04 Aug 2015	21	13.95	82.12	8.0	33.25	8.2	24.8	4.34
I9	04 Aug 2015	22	13.85	82.81	7.8	33.25	8.2	24.9	4.18
I9	04 Aug 2015	23	13.59	84.55	7.6	33.24	8.2	24.9	3.64
I9	04 Aug 2015	24	13.40	85.61	7.5	33.24	8.1	25.0	3.29
I9	04 Aug 2015	25	13.24	86.63	7.3	33.23	8.1	25.0	2.85
I9	04 Aug 2015	26	13.09	87.66	7.1	33.25	8.1	25.0	2.36
I9	04 Aug 2015	27	13.04	88.03	7.0	33.26	8.1	25.0	1.99
I9	04 Aug 2015	28	13.03	87.82	7.0	33.26	8.1	25.0	1.90
I9	04 Aug 2015	29	13.03	87.83	7.1	33.26	8.1	25.0	1.86
I10	04 Aug 2015	1	21.12	84.97	7.8	33.34	8.2	23.2	0.44
I10	04 Aug 2015	2	20.66	84.97	7.9	33.35	8.2	23.3	0.47
I10	04 Aug 2015	3	20.24	84.89	8.0	33.33	8.2	23.4	0.55
I10	04 Aug 2015	4	20.00	84.20	8.1	33.34	8.2	23.5	0.60
I10	04 Aug 2015	5	19.86	84.08	8.2	33.33	8.2	23.5	0.65
I10	04 Aug 2015	6	19.61	84.11	8.2	33.31	8.2	23.6	0.70
I10	04 Aug 2015	7	19.04	84.22	8.2	33.28	8.2	23.7	0.78
I10	04 Aug 2015	8	17.14	84.29	8.6	33.23	8.2	24.1	0.83
I10	04 Aug 2015	9	16.25	84.33	8.7	33.23	8.2	24.3	0.94
I10	04 Aug 2015	10	15.28	83.15	8.5	33.19	8.2	24.5	1.49
I10	04 Aug 2015	11	14.58	80.04	8.2	33.16	8.2	24.6	1.89
I10	04 Aug 2015	12	14.20	80.06	8.1	33.19	8.2	24.7	2.01
I10	04 Aug 2015	13	14.14	80.47	8.1	33.20	8.2	24.8	2.22
I10	04 Aug 2015	14	14.04	81.11	8.0	33.21	8.2	24.8	2.49
I10	04 Aug 2015	15	14.01	81.36	8.0	33.22	8.2	24.8	2.72
I10	04 Aug 2015	16	14.00	81.50	8.0	33.22	8.2	24.8	2.94
I10	04 Aug 2015	17	13.95	81.54	7.9	33.23	8.2	24.8	3.05
I10	04 Aug 2015	18	13.92	81.90	7.9	33.23	8.2	24.8	3.18
I10	04 Aug 2015	19	13.87	81.88	7.9	33.24	8.2	24.9	3.26
I11	04 Aug 2015	1	20.86	80.70	7.9	33.34	8.2	23.3	0.61
I11	04 Aug 2015	2	20.30	80.73	7.9	33.31	8.2	23.4	0.64
I11	04 Aug 2015	3	19.29	82.24	8.1	33.30	8.2	23.6	0.69
I11	04 Aug 2015	4	18.47	82.23	8.2	33.27	8.2	23.8	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I11	04 Aug 2015	5	17.68	82.24	8.6	33.27	8.2	24.0	0.75
I11	04 Aug 2015	6	17.22	82.14	8.7	33.27	8.2	24.1	0.82
I11	04 Aug 2015	7	16.90	81.81	8.6	33.25	8.2	24.2	1.00
I11	04 Aug 2015	8	16.12	79.67	8.4	33.21	8.2	24.3	1.43
I11	04 Aug 2015	9	15.25	76.17	8.4	33.22	8.2	24.5	1.98
I11	04 Aug 2015	10	14.98	75.07	8.2	33.22	8.2	24.6	2.29
I11	04 Aug 2015	11	14.78	75.47	8.0	33.22	8.2	24.6	2.15
I11	04 Aug 2015	12	14.70	76.24	7.9	33.22	8.2	24.7	1.96
I11	04 Aug 2015	13	14.57	76.66	7.8	33.21	8.2	24.7	1.76
I12	05 Aug 2015	1	20.38	82.92	8.0	33.34	8.2	23.4	0.37
I12	05 Aug 2015	2	19.89	85.65	8.0	33.33	8.2	23.5	0.39
I12	05 Aug 2015	3	18.20	86.14	8.6	33.32	8.2	23.9	0.41
I12	05 Aug 2015	4	17.86	86.07	8.7	33.30	8.2	24.0	0.42
I12	05 Aug 2015	5	17.47	86.54	8.7	33.32	8.2	24.1	0.43
I12	05 Aug 2015	6	17.30	86.80	8.6	33.31	8.2	24.1	0.45
I12	05 Aug 2015	7	16.99	87.10	8.5	33.31	8.2	24.2	0.44
I12	05 Aug 2015	8	16.59	87.74	8.5	33.30	8.2	24.3	0.45
I12	05 Aug 2015	9	16.13	87.23	8.7	33.28	8.2	24.4	0.56
I12	05 Aug 2015	10	16.00	85.58	8.9	33.29	8.2	24.4	0.65
I12	05 Aug 2015	11	15.95	85.27	8.8	33.29	8.2	24.4	0.69
I12	05 Aug 2015	12	15.91	85.30	8.7	33.29	8.2	24.5	0.75
I12	05 Aug 2015	13	15.56	85.01	8.4	33.21	8.2	24.5	1.00
I12	05 Aug 2015	14	14.90	84.61	8.2	33.11	8.2	24.5	1.42
I12	05 Aug 2015	15	14.43	84.38	8.1	33.05	8.2	24.6	1.77
I12	05 Aug 2015	16	14.35	84.41	8.0	33.04	8.1	24.6	1.91
I12	05 Aug 2015	17	14.13	84.55	7.9	33.01	8.1	24.6	2.06
I12	05 Aug 2015	18	14.06	84.63	7.8	33.01	8.1	24.6	2.17
I12	05 Aug 2015	19	13.99	84.64	7.9	33.03	8.1	24.7	2.28
I12	05 Aug 2015	20	14.06	84.55	8.0	33.07	8.1	24.7	2.33
I12	05 Aug 2015	21	14.40	84.07	8.4	33.23	8.2	24.7	2.45
I12	05 Aug 2015	22	14.24	83.08	8.1	33.23	8.2	24.8	3.22
I12	05 Aug 2015	23	13.73	82.65	7.7	33.23	8.1	24.9	3.56
I12	05 Aug 2015	24	13.33	85.31	7.3	33.24	8.1	25.0	2.91
I12	05 Aug 2015	25	13.21	86.51	7.3	33.24	8.1	25.0	2.52
I12	05 Aug 2015	26	13.05	87.39	7.2	33.25	8.1	25.0	2.17
I12	05 Aug 2015	27	13.07	87.52	7.2	33.25	8.1	25.0	2.12
I12	05 Aug 2015	28	13.01	87.59	7.1	33.25	8.1	25.0	2.03
I13	04 Aug 2015	1	22.44	87.32	7.4	33.39	8.2	22.9	0.32
I13	04 Aug 2015	2	22.22	87.93	7.4	33.40	8.2	22.9	0.31
I13	04 Aug 2015	3	22.14	88.15	7.4	33.38	8.2	22.9	0.32
I13	04 Aug 2015	4	21.38	87.98	7.8	33.30	8.2	23.1	0.34
I13	04 Aug 2015	5	20.28	87.41	8.3	33.34	8.2	23.4	0.38
I13	04 Aug 2015	6	19.80	87.27	8.3	33.33	8.2	23.5	0.39
I13	04 Aug 2015	7	19.29	87.23	8.2	33.36	8.2	23.7	0.37
I13	04 Aug 2015	8	19.00	88.14	8.1	33.36	8.2	23.8	0.37
I13	04 Aug 2015	9	18.41	87.83	8.3	33.27	8.2	23.8	0.43
I13	04 Aug 2015	10	17.17	85.82	9.0	33.24	8.2	24.1	0.56
I13	04 Aug 2015	11	16.80	85.35	9.0	33.28	8.2	24.2	0.63
I13	04 Aug 2015	12	16.50	85.05	8.9	33.27	8.2	24.3	0.70
I13	04 Aug 2015	13	16.18	85.07	8.7	33.24	8.2	24.4	0.72
I13	04 Aug 2015	14	15.35	85.36	8.6	33.23	8.2	24.5	0.78
I13	04 Aug 2015	15	15.03	85.79	8.5	33.25	8.2	24.6	0.88
I13	04 Aug 2015	16	14.84	85.99	8.4	33.23	8.2	24.6	1.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I13	04 Aug 2015	17	14.62	85.39	8.4	33.24	8.2	24.7	1.73
I13	04 Aug 2015	18	14.51	83.70	8.3	33.23	8.2	24.7	2.29
I13	04 Aug 2015	19	14.32	83.07	8.3	33.24	8.2	24.8	2.66
I13	04 Aug 2015	20	14.24	83.48	8.2	33.25	8.2	24.8	2.89
I13	04 Aug 2015	21	14.11	83.69	8.1	33.24	8.2	24.8	3.06
I13	04 Aug 2015	22	13.99	84.02	8.0	33.25	8.2	24.8	3.20
I13	04 Aug 2015	23	13.91	84.11	8.0	33.25	8.2	24.9	3.21
I13	04 Aug 2015	24	13.86	84.94	7.9	33.26	8.2	24.9	3.18
I13	04 Aug 2015	25	13.83	85.52	7.9	33.26	8.2	24.9	3.18
I13	04 Aug 2015	26	13.82	85.77	7.9	33.26	8.2	24.9	3.19
I13	04 Aug 2015	27	13.79	86.04	7.8	33.26	8.2	24.9	3.15
I13	04 Aug 2015	28	13.76	86.38	7.8	33.26	8.2	24.9	3.05
I13	04 Aug 2015	29	13.69	86.84	7.7	33.25	8.2	24.9	2.90
I13	04 Aug 2015	30	13.56	87.34	7.5	33.25	8.2	24.9	2.65
I13	04 Aug 2015	31	13.41	87.88	7.4	33.23	8.1	24.9	2.33
I13	04 Aug 2015	32	13.08	88.91	7.2	33.23	8.1	25.0	2.08
I13	04 Aug 2015	33	13.02	88.63	7.2	33.24	8.1	25.0	1.99
I13	04 Aug 2015	34	12.91	89.23	7.0	33.24	8.1	25.1	1.92
I13	04 Aug 2015	35	12.78	89.38	6.9	33.27	8.1	25.1	1.78
I13	04 Aug 2015	36	12.75	89.55	6.8	33.27	8.1	25.1	1.55
I13	04 Aug 2015	37	12.74	89.82	6.8	33.28	8.1	25.1	1.40
I13	04 Aug 2015	38	12.74	89.84	6.8	33.28	8.1	25.1	1.33
I14	05 Aug 2015	1	20.72	85.35	8.0	33.34	8.2	23.3	0.38
I14	05 Aug 2015	2	20.36	85.49	8.0	33.33	8.2	23.4	0.39
I14	05 Aug 2015	3	18.62	85.80	8.4	33.32	8.2	23.8	0.38
I14	05 Aug 2015	4	17.92	86.47	8.6	33.31	8.2	24.0	0.40
I14	05 Aug 2015	5	17.46	86.26	8.6	33.31	8.2	24.1	0.43
I14	05 Aug 2015	6	17.01	86.83	8.5	33.29	8.2	24.2	0.43
I14	05 Aug 2015	7	16.59	87.37	8.5	33.30	8.2	24.3	0.44
I14	05 Aug 2015	8	16.32	87.60	8.5	33.29	8.2	24.4	0.45
I14	05 Aug 2015	9	16.15	87.59	8.6	33.30	8.2	24.4	0.50
I14	05 Aug 2015	10	16.07	86.63	8.7	33.29	8.2	24.4	0.56
I14	05 Aug 2015	11	15.98	86.10	8.8	33.30	8.2	24.4	0.62
I14	05 Aug 2015	12	15.95	85.69	8.8	33.30	8.2	24.4	0.68
I14	05 Aug 2015	13	15.91	85.29	8.8	33.30	8.2	24.5	0.79
I14	05 Aug 2015	14	15.85	84.71	8.8	33.29	8.2	24.5	0.88
I14	05 Aug 2015	15	15.75	84.48	8.8	33.29	8.2	24.5	0.96
I14	05 Aug 2015	16	15.65	84.29	8.8	33.29	8.2	24.5	1.05
I14	05 Aug 2015	17	15.54	84.15	8.8	33.28	8.2	24.5	1.11
I14	05 Aug 2015	18	15.35	84.04	8.7	33.27	8.2	24.6	1.21
I14	05 Aug 2015	19	14.76	83.81	8.6	33.25	8.2	24.7	1.54
I14	05 Aug 2015	20	14.49	83.28	8.5	33.26	8.2	24.7	1.93
I14	05 Aug 2015	21	14.41	82.93	8.4	33.24	8.2	24.7	2.70
I14	05 Aug 2015	22	14.12	81.81	8.2	33.24	8.2	24.8	3.98
I14	05 Aug 2015	23	13.83	81.01	7.9	33.23	8.1	24.9	4.19
I14	05 Aug 2015	24	13.56	83.74	7.6	33.24	8.1	24.9	3.57
I14	05 Aug 2015	25	13.18	85.93	7.3	33.23	8.1	25.0	2.82
I14	05 Aug 2015	26	13.00	86.92	7.1	33.24	8.1	25.0	2.24
I14	05 Aug 2015	27	12.94	87.69	7.0	33.25	8.1	25.1	1.95
I14	05 Aug 2015	28	12.94	87.84	7.0	33.25	8.1	25.1	1.82
I15	05 Aug 2015	1	21.00	85.54	7.9	33.36	8.2	23.2	0.34
I15	05 Aug 2015	2	20.86	85.88	7.9	33.35	8.2	23.3	0.36
I15	05 Aug 2015	3	20.56	85.98	8.0	33.34	8.2	23.3	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I15	05 Aug 2015	4	19.43	85.79	8.4	33.33	8.2	23.6	0.39
I15	05 Aug 2015	5	18.84	85.76	8.6	33.31	8.2	23.8	0.43
I15	05 Aug 2015	6	18.32	85.73	8.6	33.30	8.2	23.9	0.45
I15	05 Aug 2015	7	17.93	86.01	8.6	33.31	8.2	24.0	0.45
I15	05 Aug 2015	8	17.42	86.70	8.6	33.30	8.2	24.1	0.46
I15	05 Aug 2015	9	17.13	87.20	8.6	33.32	8.2	24.2	0.46
I15	05 Aug 2015	10	16.76	87.43	8.6	33.31	8.2	24.3	0.44
I15	05 Aug 2015	11	16.56	87.81	8.5	33.31	8.2	24.3	0.42
I15	05 Aug 2015	12	16.36	88.23	8.5	33.30	8.2	24.4	0.42
I15	05 Aug 2015	13	16.22	88.18	8.5	33.30	8.2	24.4	0.44
I15	05 Aug 2015	14	16.04	88.02	8.5	33.30	8.2	24.4	0.51
I15	05 Aug 2015	15	15.67	86.78	8.7	33.29	8.2	24.5	0.65
I15	05 Aug 2015	16	15.54	85.64	8.8	33.29	8.2	24.5	0.77
I15	05 Aug 2015	17	15.51	85.29	8.7	33.29	8.2	24.5	0.90
I15	05 Aug 2015	18	15.45	84.96	8.8	33.29	8.2	24.6	1.00
I15	05 Aug 2015	19	15.41	84.60	8.7	33.29	8.2	24.6	1.11
I15	05 Aug 2015	20	15.26	84.36	8.6	33.28	8.2	24.6	1.24
I15	05 Aug 2015	21	14.88	84.05	8.6	33.27	8.2	24.7	1.48
I15	05 Aug 2015	22	14.70	83.66	8.6	33.27	8.2	24.7	1.74
I15	05 Aug 2015	23	14.67	83.54	8.6	33.27	8.2	24.7	1.95
I15	05 Aug 2015	24	14.57	83.48	8.4	33.26	8.2	24.7	2.62
I15	05 Aug 2015	25	14.10	81.43	8.1	33.25	8.2	24.8	4.18
I15	05 Aug 2015	26	13.84	81.83	7.8	33.24	8.1	24.9	4.11
I15	05 Aug 2015	27	13.48	84.81	7.5	33.23	8.1	24.9	3.19
I15	05 Aug 2015	28	13.06	86.77	7.1	33.24	8.1	25.0	2.43
I15	05 Aug 2015	29	12.85	88.11	6.9	33.26	8.1	25.1	1.86
I15	05 Aug 2015	30	12.83	88.44	6.9	33.26	8.1	25.1	1.70
I15	05 Aug 2015	31	12.82	88.54	6.8	33.26	8.1	25.1	1.68
I16	05 Aug 2015	1	20.80	88.68	8.0	33.36	8.2	23.3	0.35
I16	05 Aug 2015	2	20.38	86.09	7.9	33.33	8.2	23.4	0.36
I16	05 Aug 2015	3	18.29	86.67	8.6	33.34	8.2	23.9	0.37
I16	05 Aug 2015	4	17.80	86.75	8.6	33.31	8.2	24.0	0.40
I16	05 Aug 2015	5	17.13	87.09	8.6	33.31	8.2	24.2	0.41
I16	05 Aug 2015	6	16.95	87.49	8.6	33.30	8.2	24.2	0.43
I16	05 Aug 2015	7	16.61	87.77	8.6	33.31	8.2	24.3	0.45
I16	05 Aug 2015	8	16.39	87.73	8.6	33.30	8.2	24.4	0.50
I16	05 Aug 2015	9	16.24	86.98	8.7	33.30	8.2	24.4	0.56
I16	05 Aug 2015	10	16.18	86.54	8.7	33.30	8.2	24.4	0.61
I16	05 Aug 2015	11	16.13	86.07	8.7	33.30	8.2	24.4	0.69
I16	05 Aug 2015	12	16.08	85.75	8.8	33.30	8.2	24.4	0.75
I16	05 Aug 2015	13	16.02	85.73	8.8	33.30	8.2	24.4	0.81
I16	05 Aug 2015	14	15.99	85.38	8.8	33.30	8.2	24.4	0.89
I16	05 Aug 2015	15	15.94	84.97	8.8	33.30	8.2	24.5	1.00
I16	05 Aug 2015	16	15.89	84.81	8.8	33.29	8.2	24.5	1.06
I16	05 Aug 2015	17	15.71	84.59	8.8	33.29	8.2	24.5	1.14
I16	05 Aug 2015	18	15.46	84.63	8.7	33.27	8.2	24.5	1.23
I16	05 Aug 2015	19	14.99	84.21	8.6	33.27	8.2	24.6	1.41
I16	05 Aug 2015	20	14.67	83.93	8.5	33.26	8.2	24.7	1.70
I16	05 Aug 2015	21	14.57	83.68	8.6	33.26	8.2	24.7	1.96
I16	05 Aug 2015	22	14.42	83.58	8.3	33.25	8.2	24.7	2.73
I16	05 Aug 2015	23	13.98	81.91	7.9	33.24	8.2	24.8	3.64
I16	05 Aug 2015	24	13.58	83.82	7.5	33.23	8.1	24.9	3.35
I16	05 Aug 2015	25	13.24	86.51	7.3	33.23	8.1	25.0	2.49
I16	05 Aug 2015	26	13.11	87.49	7.2	33.24	8.1	25.0	2.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I16	05 Aug 2015	27	13.00	88.04	7.1	33.24	8.1	25.0	1.92
I16	05 Aug 2015	28	12.95	88.18	7.0	33.25	8.1	25.1	1.80
I17	05 Aug 2015	1	20.59	85.75	8.0	33.33	8.2	23.3	0.40
I17	05 Aug 2015	2	20.28	85.29	8.0	33.34	8.2	23.4	0.42
I17	05 Aug 2015	3	18.99	85.12	8.2	33.31	8.2	23.7	0.40
I17	05 Aug 2015	4	17.95	86.65	8.5	33.32	8.2	24.0	0.40
I17	05 Aug 2015	5	17.43	87.01	8.7	33.30	8.2	24.1	0.42
I17	05 Aug 2015	6	17.20	86.02	8.8	33.30	8.2	24.2	0.49
I17	05 Aug 2015	7	17.15	85.57	8.9	33.30	8.2	24.2	0.54
I17	05 Aug 2015	8	17.07	85.42	8.9	33.29	8.2	24.2	0.59
I17	05 Aug 2015	9	16.96	84.95	8.8	33.30	8.2	24.2	0.65
I17	05 Aug 2015	10	16.91	84.83	8.8	33.30	8.2	24.2	0.73
I17	05 Aug 2015	11	16.83	84.40	8.9	33.29	8.2	24.2	0.80
I17	05 Aug 2015	12	16.69	84.38	8.8	33.30	8.2	24.3	0.87
I17	05 Aug 2015	13	16.61	84.48	8.8	33.30	8.2	24.3	0.91
I17	05 Aug 2015	14	16.37	84.43	8.8	33.29	8.2	24.3	0.98
I17	05 Aug 2015	15	16.07	84.39	8.6	33.26	8.2	24.4	1.05
I17	05 Aug 2015	16	15.09	84.18	8.6	33.25	8.2	24.6	1.22
I17	05 Aug 2015	17	14.78	83.87	8.6	33.25	8.2	24.7	1.51
I17	05 Aug 2015	18	14.56	83.66	8.6	33.24	8.2	24.7	1.82
I17	05 Aug 2015	19	14.40	83.38	8.6	33.25	8.2	24.8	2.17
I17	05 Aug 2015	20	14.24	83.01	8.3	33.24	8.2	24.8	3.25
I17	05 Aug 2015	21	13.90	81.48	7.9	33.24	8.1	24.8	4.13
I17	05 Aug 2015	22	13.55	83.26	7.6	33.23	8.1	24.9	3.65
I17	05 Aug 2015	23	13.27	85.90	7.3	33.24	8.1	25.0	2.80
I17	05 Aug 2015	24	13.19	86.70	7.3	33.24	8.1	25.0	2.54
I17	05 Aug 2015	25	13.12	87.21	7.2	33.25	8.1	25.0	2.31
I18	05 Aug 2015	1	20.43	84.35	8.0	33.34	8.2	23.4	0.44
I18	05 Aug 2015	2	20.33	84.24	8.0	33.34	8.2	23.4	0.47
I18	05 Aug 2015	3	20.27	83.77	8.0	33.35	8.2	23.4	0.51
I18	05 Aug 2015	4	20.36	83.92	8.0	33.35	8.2	23.4	0.56
I18	05 Aug 2015	5	20.34	83.99	8.0	33.34	8.2	23.4	0.60
I18	05 Aug 2015	6	20.22	83.51	8.0	33.34	8.2	23.4	0.71
I18	05 Aug 2015	7	20.09	83.05	8.0	33.33	8.2	23.5	0.81
I18	05 Aug 2015	8	19.88	82.58	8.0	33.32	8.2	23.5	0.91
I18	05 Aug 2015	9	19.48	82.45	8.0	33.32	8.2	23.6	1.02
I18	05 Aug 2015	10	18.12	82.58	8.1	33.24	8.2	23.8	1.10
I18	05 Aug 2015	11	15.76	83.78	8.7	33.23	8.2	24.4	1.24
I18	05 Aug 2015	12	14.94	83.44	8.6	33.26	8.2	24.6	1.83
I18	05 Aug 2015	13	13.94	81.45	8.2	33.21	8.1	24.8	2.90
I18	05 Aug 2015	14	13.77	80.99	7.9	33.20	8.1	24.8	3.17
I18	05 Aug 2015	15	13.51	81.88	7.6	33.21	8.1	24.9	3.09
I18	05 Aug 2015	16	13.29	83.21	7.3	33.22	8.1	25.0	2.89
I18	05 Aug 2015	17	13.24	84.02	7.3	33.23	8.1	25.0	2.83
I18	05 Aug 2015	18	13.23	84.47	7.2	33.23	8.1	25.0	2.78
I18	05 Aug 2015	19	13.25	84.41	7.2	33.24	8.1	25.0	2.84
I20	04 Aug 2015	1	21.90	88.30	7.4	33.40	8.2	23.0	0.40
I20	04 Aug 2015	2	21.81	88.56	7.5	33.40	8.2	23.1	0.43
I20	04 Aug 2015	3	21.76	88.43	7.6	33.39	8.2	23.1	0.46
I20	04 Aug 2015	4	21.61	88.16	7.5	33.38	8.2	23.1	0.54
I20	04 Aug 2015	5	19.63	87.46	8.2	33.34	8.2	23.5	0.63
I20	04 Aug 2015	6	18.15	86.80	8.5	33.33	8.2	23.9	0.62

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I20	04 Aug 2015	7	17.66	87.78	8.5	33.33	8.2	24.1	0.56
I20	04 Aug 2015	8	17.44	88.46	8.5	33.32	8.2	24.1	0.56
I20	04 Aug 2015	9	17.27	88.50	8.5	33.31	8.2	24.2	0.59
I20	04 Aug 2015	10	16.91	88.23	8.7	33.30	8.2	24.2	0.69
I20	04 Aug 2015	11	16.82	87.83	8.7	33.30	8.2	24.2	0.78
I20	04 Aug 2015	12	16.59	87.01	8.7	33.29	8.2	24.3	0.90
I20	04 Aug 2015	13	16.27	86.40	8.8	33.28	8.2	24.4	1.01
I20	04 Aug 2015	14	15.78	86.16	8.7	33.27	8.2	24.5	1.10
I20	04 Aug 2015	15	15.41	86.15	8.5	33.27	8.2	24.5	1.24
I20	04 Aug 2015	16	14.82	86.52	8.4	33.25	8.2	24.7	1.41
I20	04 Aug 2015	17	14.67	86.70	8.3	33.24	8.2	24.7	1.91
I20	04 Aug 2015	18	14.35	85.52	8.2	33.23	8.2	24.7	2.79
I20	04 Aug 2015	19	14.23	84.55	8.2	33.23	8.2	24.8	3.41
I20	04 Aug 2015	20	14.06	84.35	8.1	33.24	8.1	24.8	3.75
I20	04 Aug 2015	21	13.97	84.90	8.0	33.24	8.1	24.8	3.55
I20	04 Aug 2015	22	13.85	85.93	7.9	33.24	8.1	24.9	3.31
I20	04 Aug 2015	23	13.73	86.12	7.8	33.25	8.1	24.9	3.04
I20	04 Aug 2015	24	13.62	86.82	7.6	33.25	8.1	24.9	2.74
I20	04 Aug 2015	25	13.49	87.57	7.5	33.26	8.1	24.9	2.41
I20	04 Aug 2015	26	13.34	88.16	7.4	33.25	8.1	25.0	2.09
I20	04 Aug 2015	27	13.18	88.84	7.3	33.26	8.1	25.0	1.89
I20	04 Aug 2015	28	13.09	89.17	7.2	33.25	8.1	25.0	1.70
I20	04 Aug 2015	29	13.02	89.56	7.2	33.26	8.1	25.0	1.61
I20	04 Aug 2015	30	12.94	89.82	7.1	33.26	8.1	25.1	1.50
I20	04 Aug 2015	31	12.90	89.95	7.1	33.26	8.1	25.1	1.46
I20	04 Aug 2015	32	12.88	90.10	7.1	33.26	8.1	25.1	1.39
I20	04 Aug 2015	33	12.85	90.19	7.1	33.26	8.1	25.1	1.38
I20	04 Aug 2015	34	12.84	90.26	7.1	33.27	8.1	25.1	1.35
I20	04 Aug 2015	35	12.84	90.26	7.0	33.27	8.1	25.1	1.34
I20	04 Aug 2015	36	12.81	90.27	7.0	33.26	8.1	25.1	1.33
I20	04 Aug 2015	37	12.78	90.34	7.0	33.27	8.1	25.1	1.30
I20	04 Aug 2015	38	12.76	90.33	7.0	33.27	8.1	25.1	1.30
I20	04 Aug 2015	39	12.75	90.36	7.0	33.26	8.1	25.1	1.31
I20	04 Aug 2015	40	12.71	90.37	7.0	33.27	8.1	25.1	1.31
I20	04 Aug 2015	41	12.70	90.37	7.0	33.27	8.1	25.1	1.33
I20	04 Aug 2015	42	12.68	90.37	7.0	33.26	8.1	25.1	1.35
I20	04 Aug 2015	43	12.62	90.33	6.9	33.27	8.1	25.1	1.40
I20	04 Aug 2015	44	12.62	90.26	6.9	33.27	8.1	25.1	1.44
I20	04 Aug 2015	45	12.61	90.12	6.8	33.28	8.1	25.1	1.45
I20	04 Aug 2015	46	12.58	90.06	6.8	33.28	8.1	25.1	1.44
I20	04 Aug 2015	47	12.55	90.10	6.7	33.29	8.1	25.2	1.41
I20	04 Aug 2015	48	12.49	90.09	6.6	33.30	8.1	25.2	1.35
I20	04 Aug 2015	49	12.47	90.02	6.6	33.30	8.1	25.2	1.33
I20	04 Aug 2015	50	12.44	90.05	6.5	33.30	8.1	25.2	1.28
I20	04 Aug 2015	51	12.38	89.97	6.5	33.31	8.1	25.2	1.24
I20	04 Aug 2015	52	12.36	89.97	6.4	33.31	8.0	25.2	1.17
I20	04 Aug 2015	53	12.26	89.87	6.3	33.33	8.0	25.2	1.09
I20	04 Aug 2015	54	12.23	89.90	6.3	33.33	8.0	25.2	1.08
I21	04 Aug 2015	1	22.61	87.26	7.5	33.38	8.2	22.8	0.32
I21	04 Aug 2015	2	22.21	87.37	7.5	33.38	8.2	22.9	0.32
I21	04 Aug 2015	3	21.90	87.69	7.6	33.36	8.2	23.0	0.32
I21	04 Aug 2015	4	21.23	87.64	7.6	33.37	8.2	23.1	0.35
I21	04 Aug 2015	5	18.94	87.35	8.4	33.35	8.2	23.8	0.36
I21	04 Aug 2015	6	18.64	87.62	8.4	33.35	8.2	23.8	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I21	04 Aug 2015	7	18.44	87.66	8.4	33.34	8.2	23.9	0.40
I21	04 Aug 2015	8	18.23	86.65	8.6	33.30	8.2	23.9	0.48
I21	04 Aug 2015	9	17.60	85.16	8.9	33.28	8.2	24.0	0.54
I21	04 Aug 2015	10	17.06	84.90	8.9	33.26	8.2	24.2	0.59
I21	04 Aug 2015	11	16.55	84.99	9.0	33.28	8.2	24.3	0.64
I21	04 Aug 2015	12	16.37	84.88	8.8	33.27	8.2	24.3	0.70
I21	04 Aug 2015	13	15.52	85.06	8.6	33.25	8.2	24.5	0.78
I21	04 Aug 2015	14	14.94	85.55	8.5	33.26	8.2	24.6	0.90
I21	04 Aug 2015	15	14.81	85.55	8.4	33.24	8.2	24.6	1.22
I21	04 Aug 2015	16	14.44	84.44	8.3	33.23	8.2	24.7	1.86
I21	04 Aug 2015	17	14.15	83.37	8.1	33.23	8.2	24.8	2.17
I21	04 Aug 2015	18	14.00	84.07	8.1	33.23	8.2	24.8	2.24
I21	04 Aug 2015	19	13.88	84.57	8.0	33.24	8.2	24.9	2.31
I21	04 Aug 2015	20	13.84	84.89	8.0	33.25	8.2	24.9	2.41
I21	04 Aug 2015	21	13.80	85.04	7.9	33.25	8.2	24.9	2.57
I21	04 Aug 2015	22	13.78	85.29	7.8	33.25	8.2	24.9	2.67
I21	04 Aug 2015	23	13.71	85.73	7.8	33.26	8.2	24.9	2.72
I21	04 Aug 2015	24	13.69	86.09	7.8	33.26	8.2	24.9	2.72
I21	04 Aug 2015	25	13.66	86.36	7.7	33.26	8.2	24.9	2.76
I21	04 Aug 2015	26	13.64	86.50	7.7	33.26	8.2	24.9	2.80
I21	04 Aug 2015	27	13.63	86.68	7.7	33.26	8.2	24.9	2.77
I21	04 Aug 2015	28	13.58	86.96	7.6	33.26	8.2	24.9	2.62
I21	04 Aug 2015	29	13.50	87.54	7.5	33.26	8.1	24.9	2.45
I21	04 Aug 2015	30	13.39	87.99	7.5	33.25	8.1	25.0	2.25
I21	04 Aug 2015	31	13.32	88.36	7.4	33.25	8.1	25.0	2.13
I21	04 Aug 2015	32	13.24	88.60	7.3	33.24	8.1	25.0	2.04
I21	04 Aug 2015	33	13.15	88.90	7.2	33.24	8.1	25.0	1.92
I21	04 Aug 2015	34	12.94	89.15	7.1	33.25	8.1	25.0	1.82
I21	04 Aug 2015	35	12.79	89.45	6.9	33.26	8.1	25.1	1.68
I21	04 Aug 2015	36	12.66	89.40	6.8	33.28	8.1	25.1	1.56
I21	04 Aug 2015	37	12.63	89.48	6.7	33.28	8.1	25.1	1.44
I21	04 Aug 2015	38	12.61	89.55	6.7	33.28	8.1	25.1	1.39
I21	04 Aug 2015	39	12.61	89.58	6.7	33.28	8.1	25.1	1.37
I21	04 Aug 2015	40	12.61	89.62	6.6	33.28	8.1	25.1	1.34
I21	04 Aug 2015	41	12.61	89.63	6.7	33.29	8.1	25.1	1.28
I22	05 Aug 2015	1	20.18	85.65	8.0	33.28	8.2	23.4	0.37
I22	05 Aug 2015	2	18.40	85.40	8.4	33.29	8.2	23.9	0.37
I22	05 Aug 2015	3	17.35	86.30	8.6	33.28	8.2	24.1	0.36
I22	05 Aug 2015	4	16.84	86.59	8.7	33.28	8.2	24.2	0.41
I22	05 Aug 2015	5	16.55	85.74	8.9	33.29	8.2	24.3	0.46
I22	05 Aug 2015	6	16.50	85.46	8.8	33.29	8.2	24.3	0.48
I22	05 Aug 2015	7	16.36	85.49	8.8	33.29	8.2	24.4	0.51
I22	05 Aug 2015	8	16.32	85.49	8.8	33.29	8.2	24.4	0.56
I22	05 Aug 2015	9	16.18	84.91	8.8	33.29	8.2	24.4	0.63
I22	05 Aug 2015	10	16.13	85.07	8.8	33.29	8.2	24.4	0.67
I22	05 Aug 2015	11	16.04	84.88	8.8	33.30	8.2	24.4	0.73
I22	05 Aug 2015	12	15.96	84.88	8.8	33.29	8.2	24.4	0.80
I22	05 Aug 2015	13	15.88	84.79	8.8	33.29	8.2	24.5	0.88
I22	05 Aug 2015	14	15.83	84.44	8.8	33.29	8.2	24.5	0.95
I22	05 Aug 2015	15	15.81	84.41	8.8	33.29	8.2	24.5	1.02
I22	05 Aug 2015	16	15.79	84.36	8.7	33.29	8.2	24.5	1.06
I22	05 Aug 2015	17	15.58	84.28	8.7	33.27	8.2	24.5	1.12
I22	05 Aug 2015	18	15.31	84.28	8.6	33.26	8.2	24.5	1.24
I22	05 Aug 2015	19	14.69	83.98	8.6	33.26	8.2	24.7	1.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I22	05 Aug 2015	20	14.42	83.88	8.6	33.25	8.2	24.7	2.01
	05 Aug 2015	21	14.36	82.72	8.6	33.25	8.2	24.8	2.38
	05 Aug 2015	22	14.27	82.44	8.4	33.25	8.2	24.8	2.99
	05 Aug 2015	23	13.98	81.41	8.1	33.24	8.2	24.8	4.52
	05 Aug 2015	24	13.79	80.41	7.8	33.23	8.1	24.9	4.78
	05 Aug 2015	25	13.52	82.49	7.7	33.24	8.1	24.9	4.21
	05 Aug 2015	26	13.59	82.49	7.6	33.22	8.1	24.9	3.90
	05 Aug 2015	27	13.15	85.12	7.2	33.24	8.1	25.0	3.25
	05 Aug 2015	28	13.01	85.89	6.8	33.25	8.1	25.0	2.47
I23	05 Aug 2015	1	20.22	80.72	8.2	33.33	8.2	23.4	0.54
	05 Aug 2015	2	20.05	82.45	8.3	33.33	8.2	23.5	0.57
	05 Aug 2015	3	19.86	83.61	8.4	33.33	8.2	23.5	0.62
	05 Aug 2015	4	19.76	83.54	8.4	33.33	8.2	23.6	0.67
	05 Aug 2015	5	19.59	83.46	8.4	33.33	8.2	23.6	0.74
	05 Aug 2015	6	19.20	83.32	8.3	33.28	8.2	23.7	0.84
	05 Aug 2015	7	18.04	83.03	8.4	33.29	8.2	23.9	0.91
	05 Aug 2015	8	17.36	82.64	8.5	33.26	8.2	24.1	0.99
	05 Aug 2015	9	16.66	82.40	8.6	33.25	8.2	24.2	1.12
	05 Aug 2015	10	16.11	82.37	8.6	33.24	8.2	24.4	1.21
	05 Aug 2015	11	15.70	82.35	8.5	33.24	8.2	24.5	1.27
	05 Aug 2015	12	15.23	82.08	8.1	33.22	8.2	24.6	1.44
	05 Aug 2015	13	14.71	81.88	7.8	33.21	8.2	24.7	1.64
	05 Aug 2015	14	14.03	82.58	7.4	33.20	8.1	24.8	1.74
	05 Aug 2015	15	13.59	82.89	7.4	33.22	8.1	24.9	1.98
	05 Aug 2015	16	13.52	82.74	7.4	33.22	8.1	24.9	2.28
	05 Aug 2015	17	13.46	82.56	7.4	33.23	8.1	24.9	2.35
	05 Aug 2015	18	13.37	82.61	7.3	33.24	8.1	25.0	2.37
	05 Aug 2015	19	13.37	82.42	7.2	33.24	8.1	25.0	2.42
	05 Aug 2015	20	13.30	82.33	7.1	33.24	8.1	25.0	2.40
	05 Aug 2015	21	13.30	81.83	7.1	33.25	8.1	25.0	2.31
I27	05 Aug 2015	1	20.07	85.56	8.1	33.35	8.2	23.5	0.49
	05 Aug 2015	2	20.01	85.59	8.1	33.35	8.2	23.5	0.52
	05 Aug 2015	3	19.83	85.23	8.2	33.34	8.2	23.5	0.57
	05 Aug 2015	4	19.76	84.90	8.2	33.34	8.2	23.6	0.63
	05 Aug 2015	5	19.65	84.20	8.2	33.34	8.2	23.6	0.72
	05 Aug 2015	6	19.60	84.00	8.3	33.34	8.2	23.6	0.77
	05 Aug 2015	7	19.47	84.28	8.1	33.33	8.2	23.6	0.79
	05 Aug 2015	8	17.94	84.36	8.5	33.30	8.2	24.0	0.88
	05 Aug 2015	9	17.24	83.73	8.6	33.29	8.2	24.1	1.02
	05 Aug 2015	10	16.36	83.65	8.5	33.24	8.2	24.3	1.13
	05 Aug 2015	11	15.27	84.25	8.8	33.26	8.2	24.6	1.22
	05 Aug 2015	12	14.94	84.40	8.7	33.23	8.2	24.6	1.39
	05 Aug 2015	13	14.60	84.07	8.7	33.25	8.2	24.7	1.74
	05 Aug 2015	14	14.40	83.52	8.5	33.24	8.2	24.7	2.32
	05 Aug 2015	15	14.18	82.43	8.4	33.24	8.1	24.8	3.31
	05 Aug 2015	16	14.02	81.38	8.2	33.24	8.1	24.8	4.44
	05 Aug 2015	17	13.74	80.28	7.9	33.24	8.1	24.9	5.32
	05 Aug 2015	18	13.56	81.54	7.7	33.23	8.1	24.9	5.02
	05 Aug 2015	19	13.37	83.71	7.5	33.24	8.1	25.0	4.29
	05 Aug 2015	20	13.25	85.13	7.4	33.24	8.1	25.0	3.67
	05 Aug 2015	21	13.22	85.75	7.4	33.24	8.1	25.0	3.30
	05 Aug 2015	22	13.15	86.18	7.2	33.25	8.1	25.0	3.05
	05 Aug 2015	23	13.12	85.87	7.0	33.26	8.1	25.0	2.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I27	05 Aug 2015	24	13.06	85.74	6.9	33.26	8.0	25.0	2.26
I27	05 Aug 2015	25	13.03	85.90	6.8	33.27	8.0	25.0	1.99
I27	05 Aug 2015	26	13.03	85.61	6.8	33.27	8.0	25.0	1.91
I27	05 Aug 2015	27	13.03	85.60	6.8	33.27	8.0	25.0	1.82
I27	05 Aug 2015	28	13.03	85.67	6.8	33.27	8.0	25.0	1.84
I28	06 Aug 2015	1	21.28	85.65	7.6	33.35	8.1	23.2	0.52
I28	06 Aug 2015	2	20.52	86.60	7.8	33.27	8.1	23.3	0.54
I28	06 Aug 2015	3	18.43	86.99	8.3	33.27	8.1	23.8	0.49
I28	06 Aug 2015	4	16.49	87.51	8.9	33.25	8.1	24.3	0.46
I28	06 Aug 2015	5	16.03	87.25	8.9	33.27	8.1	24.4	0.54
I28	06 Aug 2015	6	15.85	87.03	8.8	33.27	8.1	24.4	0.62
I28	06 Aug 2015	7	15.52	87.05	8.7	33.26	8.1	24.5	0.73
I28	06 Aug 2015	8	15.41	86.93	8.5	33.26	8.1	24.5	0.80
I28	06 Aug 2015	9	15.18	87.07	8.4	33.24	8.1	24.6	0.83
I28	06 Aug 2015	10	14.84	87.29	8.4	33.22	8.1	24.6	0.88
I28	06 Aug 2015	11	14.66	86.94	8.4	33.23	8.0	24.7	1.17
I28	06 Aug 2015	12	14.50	85.86	8.4	33.24	8.0	24.7	1.68
I28	06 Aug 2015	13	14.42	85.17	8.4	33.25	8.0	24.7	2.02
I28	06 Aug 2015	14	14.41	85.09	8.3	33.25	8.0	24.8	2.25
I28	06 Aug 2015	15	14.36	85.04	8.2	33.25	8.0	24.8	2.46
I28	06 Aug 2015	16	14.20	85.23	8.2	33.25	8.0	24.8	2.70
I28	06 Aug 2015	17	14.14	85.68	8.0	33.25	8.0	24.8	2.77
I28	06 Aug 2015	18	13.99	86.24	7.9	33.25	8.0	24.8	2.69
I28	06 Aug 2015	19	13.90	86.66	7.8	33.26	8.0	24.9	2.69
I28	06 Aug 2015	20	13.82	86.72	7.8	33.26	8.0	24.9	2.70
I28	06 Aug 2015	21	13.78	86.80	7.7	33.26	8.0	24.9	2.65
I28	06 Aug 2015	22	13.67	87.26	7.7	33.25	8.0	24.9	2.49
I28	06 Aug 2015	23	13.59	87.74	7.6	33.24	8.0	24.9	2.30
I28	06 Aug 2015	24	13.53	88.05	7.6	33.24	8.0	24.9	2.24
I28	06 Aug 2015	25	13.51	88.11	7.5	33.24	8.0	24.9	2.17
I28	06 Aug 2015	26	13.46	88.23	7.5	33.23	8.0	24.9	2.08
I28	06 Aug 2015	27	13.33	88.58	7.4	33.22	8.0	25.0	1.91
I28	06 Aug 2015	28	13.12	89.05	7.3	33.22	8.0	25.0	1.76
I28	06 Aug 2015	29	13.02	89.45	7.2	33.24	8.0	25.0	1.73
I28	06 Aug 2015	30	13.01	89.46	7.2	33.24	8.0	25.0	1.67
I28	06 Aug 2015	31	13.01	89.43	7.2	33.24	8.0	25.0	1.71
I28	06 Aug 2015	32	13.00	89.44	7.2	33.24	8.0	25.0	1.69
I28	06 Aug 2015	33	12.98	89.43	7.2	33.24	7.9	25.0	1.70
I28	06 Aug 2015	34	12.88	89.43	7.1	33.25	7.9	25.1	1.69
I28	06 Aug 2015	35	12.81	89.46	7.0	33.26	7.9	25.1	1.68
I28	06 Aug 2015	36	12.79	89.55	7.0	33.26	7.9	25.1	1.62
I28	06 Aug 2015	37	12.73	89.62	7.0	33.26	7.9	25.1	1.57
I28	06 Aug 2015	38	12.62	89.70	6.8	33.27	7.9	25.1	1.56
I28	06 Aug 2015	39	12.53	89.65	6.7	33.28	7.9	25.2	1.55
I28	06 Aug 2015	40	12.45	89.63	6.6	33.30	7.9	25.2	1.49
I28	06 Aug 2015	41	12.40	89.71	6.5	33.30	7.9	25.2	1.40
I28	06 Aug 2015	42	12.34	89.71	6.4	33.32	7.9	25.2	1.32
I28	06 Aug 2015	43	12.30	89.58	6.4	33.32	7.9	25.2	1.27
I28	06 Aug 2015	44	12.21	90.11	6.4	33.33	7.9	25.2	1.16
I28	06 Aug 2015	45	12.13	90.29	6.2	33.34	7.9	25.3	1.05
I28	06 Aug 2015	46	12.03	90.43	6.1	33.36	7.8	25.3	0.98
I28	06 Aug 2015	47	12.01	90.46	6.0	33.37	7.8	25.3	0.90
I28	06 Aug 2015	48	12.01	90.42	6.0	33.37	7.8	25.3	0.88
I28	06 Aug 2015	49	12.01	90.38	6.0	33.38	7.8	25.3	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I28	06 Aug 2015	50	12.00	90.30	6.0	33.38	7.8	25.3	0.85
I28	06 Aug 2015	51	11.98	90.14	5.9	33.38	7.8	25.3	0.86
I28	06 Aug 2015	52	11.97	89.94	5.9	33.38	7.8	25.3	0.85
I28	06 Aug 2015	53	11.96	89.85	5.9	33.38	7.8	25.3	0.82
I28	06 Aug 2015	54	11.95	89.70	5.8	33.38	7.8	25.3	0.79
I28	06 Aug 2015	55	11.88	89.26	5.8	33.39	7.8	25.4	0.76
I29	06 Aug 2015	1	20.06	86.27	8.0	33.33	8.1	23.5	0.58
I29	06 Aug 2015	2	19.88	86.32	8.1	33.34	8.1	23.5	0.61
I29	06 Aug 2015	3	19.73	86.33	8.0	33.33	8.1	23.6	0.63
I29	06 Aug 2015	4	18.73	86.40	8.3	33.28	8.1	23.8	0.64
I29	06 Aug 2015	5	17.57	86.62	8.6	33.27	8.1	24.1	0.65
I29	06 Aug 2015	6	16.52	86.66	8.8	33.27	8.1	24.3	0.71
I29	06 Aug 2015	7	16.10	86.52	8.8	33.27	8.1	24.4	0.78
I29	06 Aug 2015	8	15.93	86.44	8.7	33.28	8.1	24.4	0.85
I29	06 Aug 2015	9	15.89	86.41	8.6	33.27	8.1	24.4	0.89
I29	06 Aug 2015	10	15.69	86.46	8.6	33.27	8.1	24.5	0.96
I29	06 Aug 2015	11	15.62	86.54	8.6	33.28	8.1	24.5	0.99
I29	06 Aug 2015	12	15.58	86.59	8.6	33.28	8.1	24.5	1.00
I29	06 Aug 2015	13	15.56	86.59	8.5	33.28	8.1	24.5	1.02
I29	06 Aug 2015	14	15.37	86.62	8.5	33.26	8.1	24.5	1.05
I29	06 Aug 2015	15	15.14	86.52	8.5	33.27	8.1	24.6	1.11
I29	06 Aug 2015	16	15.06	86.44	8.5	33.27	8.1	24.6	1.18
I29	06 Aug 2015	17	14.92	86.29	8.4	33.26	8.1	24.6	1.30
I29	06 Aug 2015	18	14.81	86.15	8.4	33.26	8.1	24.7	1.41
I29	06 Aug 2015	19	14.67	85.96	8.4	33.24	8.1	24.7	1.67
I29	06 Aug 2015	20	14.44	85.05	8.4	33.24	8.1	24.7	2.12
I29	06 Aug 2015	21	14.33	84.50	8.3	33.25	8.1	24.8	2.98
I29	06 Aug 2015	22	14.20	82.18	8.3	33.24	8.0	24.8	4.15
I29	06 Aug 2015	23	14.07	81.44	8.2	33.25	8.0	24.8	4.69
I29	06 Aug 2015	24	14.01	81.91	8.0	33.23	8.0	24.8	4.58
I29	06 Aug 2015	25	13.69	83.62	7.8	33.24	8.0	24.9	3.95
I29	06 Aug 2015	26	13.56	85.27	7.6	33.24	8.0	24.9	3.38
I29	06 Aug 2015	27	13.38	86.66	7.5	33.23	8.0	24.9	2.94
I29	06 Aug 2015	28	13.22	87.50	7.3	33.24	8.0	25.0	2.56
I29	06 Aug 2015	29	13.03	88.29	7.2	33.25	8.0	25.0	2.30
I29	06 Aug 2015	30	12.91	88.48	7.0	33.25	8.0	25.1	2.12
I29	06 Aug 2015	31	12.81	88.77	7.0	33.26	7.9	25.1	1.98
I29	06 Aug 2015	32	12.78	88.91	6.9	33.27	7.9	25.1	1.80
I29	06 Aug 2015	33	12.75	88.95	6.9	33.27	7.9	25.1	1.67
I29	06 Aug 2015	34	12.74	88.81	6.8	33.27	7.9	25.1	1.54
I29	06 Aug 2015	35	12.73	88.47	6.8	33.27	7.9	25.1	1.48
I29	06 Aug 2015	36	12.73	88.32	6.8	33.27	7.9	25.1	1.46
I29	06 Aug 2015	37	12.73	88.36	6.7	33.27	7.9	25.1	1.47
I30	06 Aug 2015	1	19.65	84.88	8.1	33.33	8.1	23.6	0.45
I30	06 Aug 2015	2	19.50	85.16	8.2	33.33	8.1	23.6	0.44
I30	06 Aug 2015	3	19.36	85.22	8.2	33.34	8.1	23.7	0.45
I30	06 Aug 2015	4	19.31	85.18	8.2	33.34	8.1	23.7	0.48
I30	06 Aug 2015	5	19.10	85.16	8.2	33.32	8.1	23.7	0.50
I30	06 Aug 2015	6	18.66	85.18	8.4	33.31	8.1	23.8	0.53
I30	06 Aug 2015	7	17.78	85.39	8.5	33.30	8.1	24.0	0.55
I30	06 Aug 2015	8	17.18	85.90	8.6	33.28	8.1	24.1	0.62
I30	06 Aug 2015	9	16.48	85.65	8.7	33.27	8.1	24.3	0.75
I30	06 Aug 2015	10	15.84	84.83	8.7	33.23	8.1	24.4	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I30	06 Aug 2015	11	15.15	84.06	8.8	33.25	8.1	24.6	1.22
I30	06 Aug 2015	12	15.00	82.90	8.8	33.25	8.1	24.6	1.55
I30	06 Aug 2015	13	14.94	82.42	8.8	33.25	8.1	24.6	1.78
I30	06 Aug 2015	14	14.76	82.37	8.7	33.23	8.1	24.7	2.08
I30	06 Aug 2015	15	14.55	82.20	8.6	33.23	8.1	24.7	2.38
I30	06 Aug 2015	16	14.35	81.94	8.6	33.23	8.1	24.7	2.66
I30	06 Aug 2015	17	14.24	81.82	8.5	33.22	8.1	24.8	2.87
I30	06 Aug 2015	18	14.08	81.75	8.5	33.23	8.0	24.8	3.38
I30	06 Aug 2015	19	13.98	81.10	8.4	33.24	8.0	24.8	4.21
I30	06 Aug 2015	20	13.84	79.66	8.2	33.24	8.0	24.9	5.78
I30	06 Aug 2015	21	13.67	77.30	7.9	33.23	8.0	24.9	7.43
I30	06 Aug 2015	22	13.39	76.85	7.5	33.23	8.0	24.9	6.30
I30	06 Aug 2015	23	13.25	81.81	7.4	33.23	8.0	25.0	5.00
I30	06 Aug 2015	24	13.20	83.60	7.2	33.24	8.0	25.0	4.00
I30	06 Aug 2015	25	13.12	84.46	6.8	33.25	7.9	25.0	2.97
I30	06 Aug 2015	26	13.08	85.09	6.7	33.26	7.9	25.0	2.32
I30	06 Aug 2015	27	13.09	85.10	6.7	33.26	7.9	25.0	2.10
I30	06 Aug 2015	28	13.09	85.05	6.7	33.26	7.9	25.0	2.06
I31	06 Aug 2015	1	19.48	81.75	8.0	33.31	8.1	23.6	0.58
I31	06 Aug 2015	2	19.28	81.88	8.1	33.32	8.1	23.7	0.63
I31	06 Aug 2015	3	19.08	81.78	8.2	33.31	8.1	23.7	0.72
I31	06 Aug 2015	4	19.03	81.60	8.2	33.32	8.1	23.7	0.79
I31	06 Aug 2015	5	18.93	81.53	8.2	33.31	8.1	23.7	0.86
I31	06 Aug 2015	6	18.80	81.48	8.2	33.31	8.1	23.8	0.93
I31	06 Aug 2015	7	18.60	81.62	8.3	33.29	8.1	23.8	1.03
I31	06 Aug 2015	8	18.18	81.84	8.5	33.30	8.1	23.9	1.11
I31	06 Aug 2015	9	17.98	82.28	8.5	33.28	8.1	24.0	1.14
I31	06 Aug 2015	10	17.39	82.73	8.6	33.24	8.1	24.1	1.14
I31	06 Aug 2015	11	16.59	83.24	8.8	33.27	8.1	24.3	1.13
I31	06 Aug 2015	12	16.23	83.60	8.8	33.26	8.1	24.4	1.20
I31	06 Aug 2015	13	15.66	83.85	8.7	33.23	8.1	24.5	1.31
I31	06 Aug 2015	14	14.82	84.33	8.7	33.20	8.1	24.6	1.35
I31	06 Aug 2015	15	14.51	85.11	8.6	33.21	8.1	24.7	1.48
I31	06 Aug 2015	16	14.22	84.22	8.1	33.21	8.0	24.8	2.01
I31	06 Aug 2015	17	14.00	82.06	7.8	33.22	8.0	24.8	3.06
I31	06 Aug 2015	18	13.78	80.11	7.3	33.23	8.0	24.9	3.48
I31	06 Aug 2015	19	13.75	80.72	7.2	33.24	8.0	24.9	3.33
I33	06 Aug 2015	1	18.55	80.50	8.1	33.30	8.0	23.8	1.35
I33	06 Aug 2015	2	18.33	79.87	8.0	33.31	8.0	23.9	1.39
I33	06 Aug 2015	3	17.58	80.10	8.1	33.27	8.0	24.0	1.35
I33	06 Aug 2015	4	16.31	83.37	8.6	33.25	8.1	24.3	1.38
I33	06 Aug 2015	5	15.96	82.68	8.6	33.27	8.1	24.4	1.70
I33	06 Aug 2015	6	15.82	82.29	8.6	33.27	8.1	24.5	1.72
I33	06 Aug 2015	7	15.62	83.99	8.7	33.27	8.1	24.5	1.72
I33	06 Aug 2015	8	15.58	83.85	8.7	33.28	8.1	24.5	1.85
I33	06 Aug 2015	9	15.48	83.70	8.6	33.27	8.1	24.5	2.09
I33	06 Aug 2015	10	15.35	83.02	8.5	33.27	8.1	24.6	2.59
I33	06 Aug 2015	11	15.25	81.98	8.4	33.27	8.1	24.6	2.94
I33	06 Aug 2015	12	15.11	81.46	8.4	33.27	8.0	24.6	3.32
I33	06 Aug 2015	13	15.09	81.18	8.4	33.27	8.0	24.6	3.41
I33	06 Aug 2015	14	15.09	81.08	8.5	33.28	8.0	24.6	3.50
I33	06 Aug 2015	15	15.08	81.06	8.4	33.27	8.0	24.6	3.49
I33	06 Aug 2015	16	14.86	80.77	7.9	33.24	8.0	24.6	3.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I33	06 Aug 2015	17	14.47	80.24	7.4	33.26	8.0	24.7	2.69
I33	06 Aug 2015	18	14.23	80.03	7.4	33.24	8.0	24.8	2.84
I33	06 Aug 2015	19	13.90	81.53	7.7	33.25	8.0	24.9	3.30
I33	06 Aug 2015	20	13.81	81.97	7.6	33.25	8.0	24.9	3.56
I33	06 Aug 2015	21	13.73	81.93	7.5	33.25	8.0	24.9	3.79
I33	06 Aug 2015	22	13.55	82.08	7.4	33.24	8.0	24.9	3.90
I33	06 Aug 2015	23	13.40	82.83	7.3	33.25	8.0	25.0	3.95
I33	06 Aug 2015	24	13.39	83.16	7.3	33.25	8.0	25.0	3.89
I33	06 Aug 2015	25	13.36	83.26	7.2	33.25	7.9	25.0	3.65
I33	06 Aug 2015	26	13.25	83.66	6.9	33.25	7.9	25.0	3.23
I33	06 Aug 2015	27	13.16	84.48	6.8	33.26	7.9	25.0	2.84
I33	06 Aug 2015	28	13.13	84.64	6.7	33.26	7.9	25.0	2.57
I33	06 Aug 2015	29	13.13	84.31	6.7	33.26	7.9	25.0	2.39
I33	06 Aug 2015	30	13.13	84.23	6.7	33.26	7.9	25.0	2.33
I34	06 Aug 2015	1	19.25	86.03	7.9	33.30	8.0	23.7	0.70
I34	06 Aug 2015	2	18.68	85.73	8.2	33.29	8.1	23.8	0.89
I34	06 Aug 2015	3	17.62	82.85	8.2	33.25	8.1	24.0	1.20
I34	06 Aug 2015	4	16.74	82.47	8.5	33.29	8.0	24.3	1.42
I34	06 Aug 2015	5	16.63	82.40	8.5	33.29	8.0	24.3	1.57
I34	06 Aug 2015	6	16.51	82.31	8.6	33.28	8.1	24.3	1.57
I34	06 Aug 2015	7	16.29	82.92	8.6	33.28	8.1	24.4	1.51
I34	06 Aug 2015	8	16.15	83.55	8.6	33.28	8.1	24.4	1.41
I34	06 Aug 2015	9	16.03	83.85	8.6	33.28	8.1	24.4	1.43
I34	06 Aug 2015	10	15.79	83.71	8.6	33.27	8.1	24.5	1.56
I34	06 Aug 2015	11	15.42	83.11	8.5	33.25	8.1	24.5	1.98
I34	06 Aug 2015	12	14.62	81.57	8.3	33.24	8.0	24.7	3.12
I34	06 Aug 2015	13	14.33	79.88	8.2	33.24	8.0	24.8	3.99
I34	06 Aug 2015	14	14.21	79.78	8.2	33.24	8.0	24.8	4.47
I34	06 Aug 2015	15	14.12	79.71	8.1	33.23	8.0	24.8	4.70
I34	06 Aug 2015	16	14.04	79.79	8.1	33.24	8.0	24.8	4.81
I34	06 Aug 2015	17	13.97	79.97	8.0	33.23	8.0	24.8	4.79
I34	06 Aug 2015	18	13.83	80.49	7.7	33.23	8.0	24.9	4.47
I34	06 Aug 2015	19	13.73	81.54	7.5	33.24	8.0	24.9	4.11
I35	06 Aug 2015	1	19.79	84.44	7.8	33.33	8.1	23.5	0.51
I35	06 Aug 2015	2	19.53	84.52	7.8	33.30	8.1	23.6	0.55
I35	06 Aug 2015	3	18.57	84.05	8.2	33.28	8.1	23.8	0.69
I35	06 Aug 2015	4	18.04	81.46	8.4	33.28	8.1	23.9	0.82
I35	06 Aug 2015	5	17.60	81.41	8.5	33.28	8.1	24.1	0.88
I35	06 Aug 2015	6	17.12	82.55	8.6	33.28	8.1	24.2	1.02
I35	06 Aug 2015	7	16.80	81.73	8.5	33.27	8.1	24.2	1.27
I35	06 Aug 2015	8	16.42	81.14	8.6	33.24	8.1	24.3	1.24
I35	06 Aug 2015	9	15.84	82.96	8.8	33.26	8.1	24.4	1.14
I35	06 Aug 2015	10	15.62	83.29	8.7	33.25	8.1	24.5	1.10
I35	06 Aug 2015	11	15.37	84.43	8.5	33.25	8.1	24.5	1.07
I35	06 Aug 2015	12	15.13	84.86	8.3	33.25	8.1	24.6	1.12
I35	06 Aug 2015	13	14.97	84.76	8.2	33.26	8.0	24.6	1.34
I35	06 Aug 2015	14	14.78	84.04	8.0	33.26	8.0	24.7	1.54
I35	06 Aug 2015	15	14.58	82.66	7.8	33.26	8.0	24.7	2.11
I35	06 Aug 2015	16	14.32	79.99	7.4	33.25	8.0	24.8	2.53
I35	06 Aug 2015	17	14.16	74.94	7.3	33.26	8.0	24.8	2.70
I35	06 Aug 2015	18	14.14	73.68	7.3	33.26	8.0	24.8	2.81
I35	06 Aug 2015	19	14.11	71.12	7.3	33.27	8.0	24.8	2.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I36	06 Aug 2015	1	20.15	84.21	7.7	33.34	8.1	23.5	0.50
	06 Aug 2015	2	19.99	84.12	7.7	33.30	8.1	23.5	0.53
	06 Aug 2015	3	19.12	82.14	7.9	33.30	8.1	23.7	0.62
	06 Aug 2015	4	18.71	78.34	7.8	33.28	8.1	23.8	0.69
	06 Aug 2015	5	17.08	79.48	8.2	33.20	8.1	24.1	0.66
	06 Aug 2015	6	16.30	82.53	8.2	33.25	8.0	24.3	0.79
	06 Aug 2015	7	15.95	77.53	8.0	33.24	8.0	24.4	1.20
	06 Aug 2015	8	15.66	72.83	7.8	33.24	8.0	24.5	2.30
	06 Aug 2015	9	15.43	60.05	7.6	33.25	8.0	24.5	3.92
	06 Aug 2015	10	15.27	55.42	7.2	33.26	8.0	24.6	6.25
	06 Aug 2015	11	15.17	38.74	6.8	33.27	8.0	24.6	6.31
I37	06 Aug 2015	1	18.36	80.45	7.6	33.32	8.0	23.9	1.40
	06 Aug 2015	2	17.98	79.03	7.7	33.33	8.0	24.0	1.46
	06 Aug 2015	3	17.46	78.18	7.8	33.32	8.0	24.1	1.57
	06 Aug 2015	4	17.09	78.16	8.0	33.30	8.0	24.2	1.63
	06 Aug 2015	5	16.68	79.12	8.2	33.29	8.0	24.3	1.53
	06 Aug 2015	6	16.37	81.54	8.3	33.28	8.0	24.3	1.54
	06 Aug 2015	7	15.94	82.03	8.3	33.27	8.0	24.4	1.96
	06 Aug 2015	8	15.48	80.53	8.4	33.27	8.0	24.5	2.44
	06 Aug 2015	9	15.28	80.05	8.3	33.27	8.0	24.6	2.79
	06 Aug 2015	10	15.00	79.61	8.2	33.27	8.0	24.6	3.04
	06 Aug 2015	11	14.67	76.78	8.2	33.26	8.0	24.7	4.14
	06 Aug 2015	12	14.49	74.86	8.1	33.26	8.0	24.7	4.73
I38	06 Aug 2015	1	19.44	85.60	7.9	33.28	8.1	23.6	0.48
	06 Aug 2015	2	18.81	85.03	8.0	33.29	8.1	23.8	0.54
	06 Aug 2015	3	18.33	82.35	7.8	33.25	8.0	23.9	0.71
	06 Aug 2015	4	17.87	78.18	8.1	33.26	8.0	24.0	0.68
	06 Aug 2015	5	16.92	84.05	8.6	33.24	8.1	24.2	0.54
	06 Aug 2015	6	16.49	86.15	8.7	33.25	8.1	24.3	0.50
	06 Aug 2015	7	16.17	86.24	8.7	33.25	8.1	24.4	0.52
	06 Aug 2015	8	15.98	86.30	8.4	33.25	8.1	24.4	0.78
	06 Aug 2015	9	15.86	80.36	7.8	33.25	8.0	24.4	1.89
	06 Aug 2015	10	15.54	67.24	7.8	33.25	8.0	24.5	2.90
	06 Aug 2015	11	15.37	67.82	8.0	33.26	8.0	24.6	2.93

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APPENDIX A
QUALITY ASSURANCE

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enter
I3	04 Aug 2015	18	JT	LAB DUPLICATE	<2	<2	<2
I9	04 Aug 2015	27	JT	LAB DUPLICATE	<2	<2	<2
I12	05 Aug 2015	18	LMA	LAB DUPLICATE	<2	<2	<2
I13	04 Aug 2015	18	JT	LAB DUPLICATE	<2	<2	<2
I14	05 Aug 2015	2	JT	LAB DUPLICATE	<2	<2	<2
I16	05 Aug 2015	18	LMA	LAB DUPLICATE	<2	<2	<2
I19	05 Aug 2015	6	ZV	FIELD DUPLICATE	<2	<2	<2
I19	05 Aug 2015	6	ZV	LAB DUPLICATE	<20	<2	<2
I19	13 Aug 2015	6	LO	LAB DUPLICATE	<2	<2	<2
I19	19 Aug 2015	6	JT	LAB DUPLICATE	2e	<2	<2
I19	25 Aug 2015	6	ZV	LAB DUPLICATE	80e	<2	<2
I19	30 Aug 2015	6	LMA	LAB DUPLICATE	<2	<2	<2
I20	04 Aug 2015	55	JT	LAB DUPLICATE	<2	<2	<2
I32	06 Aug 2015	9	JT	LAB DUPLICATE	8e	4e	ns
I32	06 Aug 2015	9	ZV	LAB DUPLICATE	ns	ns	<2
I36	06 Aug 2015	11	ZV	LAB DUPLICATE	<2	<2	<2
I40	13 Aug 2015	6	LO	LAB DUPLICATE	<2	<2	<2
I40	19 Aug 2015	6	JT	LAB DUPLICATE	<2	<2	<2
I40	25 Aug 2015	6	ZV	LAB DUPLICATE	<2	<2	<2
I40	30 Aug 2015	6	LMA	LAB DUPLICATE	<2	<2	<2
S12	04 Aug 2015		AR	FIELD DUPLICATE	<20	<2	<2
S12	04 Aug 2015		SR	LAB DUPLICATE	<20	<2	2e
S12	11 Aug 2015		ZV	FIELD DUPLICATE	40e	6e	8e
S12	11 Aug 2015		ZV	LAB DUPLICATE	80e	12e	12e
S12	18 Aug 2015		JT	FIELD DUPLICATE	80e	34e	24e
S12	18 Aug 2015		JT	LAB DUPLICATE	80e	26e	24e
S12	25 Aug 2015		LMA	FIELD DUPLICATE	40e	20e	20e
S12	25 Aug 2015		LMA	LAB DUPLICATE	80e	40e	4e

ns = not sampled

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