

MONTHLY RECEIVING WATERS MONITORING REPORT FOR THE SOUTH BAY OCEAN OUTFALL

(SOUTH BAY WATER RECLAMATION PLANT) NPDES PERMIT NO. CA 0109045

MAY 2016

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



THE CITY OF SAN DIEGO

June 30, 2016

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

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

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

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

Sincerely,

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

TDS/ger

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 Order No. R9-2013-0006 superseded Order No. R9-2006-0067 effective April 4, 2013.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–S12).

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

Kelp Bed Stations

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

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

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

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

Offshore Stations

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

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

Bacteriological Reporting and Quality Assurance

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

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

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

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

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

Single Sample Maximums:

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

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

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

SUMMARY OF RESULTS

Shoreline Water Quality Sampling

- Because of site access restrictions in Mexico, the South Bay shoreline sampling is carried out on the same day each week (i.e., Tuesday) in order to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the IBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
- During May, three of the eight shore stations located north of the border were out of compliance with various California Ocean Plan (Ocean Plan) water contact standards (see below); these standards do not apply to stations located in Mexican waters.
 - The 30-day geometric mean standard for *Enterococcus* was exceeded at station S5 on multiple days during the month.
 - The single sample maximum (SSM) standards for total coliforms, fecal coliforms, *Enterococcus*, and the SSM standard that states total coliform densities shall not exceed 1000 CFU/100 mL when the fecal:total ratio exceeds

0.1, were exceeded at stations S5, S6 and S11 on one or more days during the month.

- Per permit requirements, resamples were collected in response to these SSM exceedances (see Table 2.8 for details).
- Although the Ocean Plan standards do not apply to these stations, bacteria densities exceeded one or more benchmark levels (i.e., total coliforms >10,000 CFU/100mL; fecal coliforms >400 CFU/100 mL; *Enterococcus* >104 CFU/100 mL; total >1000 CFU/100 mL & F:T ratio >0.1) in the seawater samples collected at stations S0 and S2 on multiple days during the month.
- Historical analyses of Ocean Plan compliance rates for the South Bay outfall shoreline monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. See the City of San Diego's most recent *South Bay Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details

(http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml).

 Notable visual observations for May included: a sewage-like odor at station S5 on May 12.

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 May (i.e. May 5, 10, 11, 16, 22, 31).
- During May, one of the seven stations was out of compliance with various California Ocean Plan (Ocean Plan) water contact standards (see below).
 - The SSM standard for *Enterococcus* was exceeded at station I24 on May 10.
- Water column temperatures ranged from 11.82 to 18.29°C. The difference between surface and bottom waters ranged from approximately 0.17 to 5.96°C, indicating the water column was stratified at some of these sites during the month.
- Chlorophyll *a* concentrations ranged from 0.65 to 25.97 μ g/L at these stations, suggesting the presence of phytoplankton blooms during the month.
- Suspended solid values ranged from 0.2 to 11.3 mg/L in May. Elevated levels of suspended solids (i.e., values ≥ 8 mg/L) occurred in seawater samples collected at stations I19 (11 m depth), I24 (11 m depth), and I40 (9 m depth).
- \circ 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., May 9, 10, 11).
- 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.
- Although the Ocean Plan standards do not apply to stations outside State jurisdictional waters, bacteria densities for these stations did not exceed benchmark levels (i.e., total coliforms >10,000 CFU/100mL; fecal coliforms >400 CFU/100 mL; *Enterococcus* >104 CFU/100 mL; total >1000 CFU/100 mL & F:T ratio >0.1).

- \circ Water column temperatures ranged from 10.61 to 18.11°C at the offshore sites. The difference between surface and bottom waters ranged from 1.67 to 6.6°C, indicating that the water column was stratified at all of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.51 to 8.27 μ g/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 8.9 mg/L in May. Elevated levels of suspended solids (i.e., values ≥ 8 mg/L) occurred in seawater samples collected from stations I20 (2 m depth), and I37 (11 m depth).
- \circ Oil and grease values were < 0.2 mg/L in all offshore seawater samples.
- Nothing of sewage origin was observed at any of the offshore stations.

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TABLES AND FIGURES



Figure 1.1 Station Map

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
01 May 2016	5*	8*	6*	2*	4*	5*	5*	4*
02 May 2016	5*	8*	6*	2*	4*	5*	5*	4*
03 May 2016	4	6	5	2	3	4	4	4
04 May 2016	4	6	5	2	3	4	4	4
05 May 2016	3*	8*	5*	2*	4*	3*	5*	5*
06 May 2016	3*	8*	5*	2*	4*	3*	5*	5*
07 May 2016	3*	8*	5*	2*	4*	3*	5*	5*
08 May 2016	3*	8*	5*	2*	4*	3*	5*	5*
09 May 2016	3*	8*	5*	2*	4*	3*	5*	5*
10 May 2016	5	35	24	2	6	5	24	8
11 May 2016	5	35	24	2	6	5	24	8
12 May 2016	5*	73	47	2*	8*	4*	30	12*
13 May 2016	5*	179	47	2*	8*	4*	30	12*
14 May 2016	5*	179	47	2*	8*	4*	30	12*
15 May 2016	5*	131	47	2*	8*	4*	30	12*
16 May 2016	5*	131	47	2*	8*	4*	30	12*
17 May 2016	7	113	41	4	9	6	32	13
18 May 2016	7	113	41	4	9	6	32	13
19 May 2016	8*	201	47	4*	13*	6*	55	17*
20 May 2016	8*	201	47	4*	13*	6*	55	17*
21 May 2016	8*	201	47	4*	13*	6*	55	17*
22 May 2016	8*	201	47	4*	13*	6*	55	17*
23 May 2016	8*	201	47	4*	13*	6*	55	17*
24 May 2016	6	113	28	4	9	8	32	18
25 May 2016	6	113	28	4	9	8	32	18
26 May 2016	6*	201	38	4*	8*	11*	35	17*
27 May 2016	6*	201	38	4*	8*	11*	35	17*
28 May 2016	6*	201	38	4*	8*	11*	35	17*
29 May 2016	6*	201	38	4*	8*	11*	35	17*
30 May 2016	6*	201	38	4*	8*	11*	35	17*
31 May 2016	12	164	34	6	9	17	38	25

* Geometric mean calculated using n<5

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
01 May 2016	3*	6*	2*	2*	2*	2*	3*	2*
02 May 2016	3*	6*	2*	2*	2*	2*	3*	2*
03 May 2016	3	5	2	2	2	2	2	2
04 May 2016	3	5	2	2	2	2	2	2
05 May 2016	2*	6*	2*	2*	2*	2*	3*	2*
06 May 2016	2*	6*	2*	2*	2*	2*	3*	2*
07 May 2016	2*	6*	2*	2*	2*	2*	3*	2*
08 May 2016	2*	6*	2*	2*	2*	2*	3*	2*
09 May 2016	2*	6*	2*	2*	2*	2*	3*	2*
10 May 2016	2	26	8	2	2	2	14	3
11 May 2016	2	26	8	2	2	2	14	3
12 May 2016	2*	58	10	2*	2*	2*	16	3*
13 May 2016	2*	128	10	2*	2*	2*	16	3*
14 May 2016	2*	128	10	2*	2*	2*	16	3*
15 May 2016	2*	70	10	2*	2*	2*	16	3*
16 May 2016	2*	70	10	2*	2*	2*	16	3*
17 May 2016	2	52	8	2	2	2	11	3
18 May 2016	2	52	8	2	2	2	11	3
19 May 2016	2*	82	10	2*	2*	3*	16	3*
20 May 2016	2*	82	10	2*	2*	3*	16	3*
21 May 2016	2*	82	10	2*	2*	3*	16	3*
22 May 2016	2*	82	10	2*	2*	3*	16	3*
23 May 2016	2*	82	10	2*	2*	3*	16	3*
24 May 2016	2	52	8	2	2	2	11	3
25 May 2016	2	52	8	2	2	2	11	3
26 May 2016	2*	82	10	2*	2*	3*	13	3*
27 May 2016	2*	82	10	2*	2*	3*	13	3*
28 May 2016	2*	82	10	2*	2*	3*	13	3*
29 May 2016	2*	82	10	2*	2*	3*	13	3*
30 May 2016	2*	82	10	2*	2*	3*	13	3*
31 May 2016	3	52	8	2	2	2	11	4

* Geometric mean calculated using n<5

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
01 May 2016	3*	4*	2*	2*	2*	4*	2*	2*
02 May 2016	3*	4*	2*	2*	2*	4*	2*	2*
03 May 2016	4	4	2	2	2	3	2	2
04 May 2016	4	4	2	2	2	3	2	2
05 May 2016	3*	4*	2*	2*	2*	3*	2*	2*
06 May 2016	3*	4*	2*	2*	2*	3*	2*	2*
07 May 2016	3*	4*	2*	2*	2*	3*	2*	2*
08 May 2016	3*	4*	2*	2*	2*	3*	2*	2*
09 May 2016	3*	4*	2*	2*	2*	3*	2*	2*
10 May 2016	3	21	7	3	2	3	13	3
11 May 2016	3	21	7	3	2	3	13	3
12 May 2016	3*	61	12	3*	2*	3*	14	3*
13 May 2016	3*	107	12	3*	2*	3*	14	3*
14 May 2016	3*	107	12	3*	2*	3*	14	3*
15 May 2016	3*	96	12	3*	2*	3*	14	3*
16 May 2016	3*	96	12	3*	2*	3*	14	3*
17 May 2016	4	80	10	3	2	3	15	3
18 May 2016	4	80	10	3	2	3	15	3
19 May 2016	4*	136	14	3*	2*	4*	22	3*
20 May 2016	4*	136	14	3*	2*	4*	22	3*
21 May 2016	4*	136	14	3*	2*	4*	22	3*
22 May 2016	4*	136	14	3*	2*	4*	22	3*
23 May 2016	4*	136	14	3*	2*	4*	22	3*
24 May 2016	4	80	10	3	2	3	15	3
25 May 2016	4	80	10	3	2	3	15	3
26 May 2016	4*	136	14	3*	2*	4*	19	3*
27 May 2016	4*	136	14	3*	2*	4*	19	3*
28 May 2016	4*	136	14	3*	2*	4*	19	3*
29 May 2016	4*	136	14	3*	2*	4*	19	3*
30 May 2016	4*	136	14	3*	2*	4*	19	3*
31 May 2016	6	104	13	3	2	4	17	3

* Geometric mean calculated using n<5

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
10 May 2016	IC	E	E	IC	IC	IC	E	IC
12 May 2016	ns	E	IC	ns	ns	ns	IC	ns
13 May 2016	ns	E	ns	ns	ns	ns	ns	ns
15 May 2016	ns	IC	ns	ns	ns	ns	ns	ns
17 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
24 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
10 May 2016	IC	E	E	IC	IC	IC	E	IC
12 May 2016	ns	E	IC	ns	ns	ns	IC	ns
13 May 2016	ns	E	ns	ns	ns	ns	ns	ns
15 May 2016	ns	IC	ns	ns	ns	ns	ns	ns
17 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
24 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	S4	S5	S6	S 8	S9	S10	S11	S12
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
10 May 2016	IC	E	E	IC	IC	IC	E	IC
12 May 2016	ns	E	IC	ns	ns	ns	IC	ns
13 May 2016	ns	E	ns	ns	ns	ns	ns	ns
15 May 2016	ns	IC	ns	ns	ns	ns	ns	ns
17 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
24 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	S4	S5	S6	S8	S9	S10	S11	S12
03 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
10 May 2016	IC	E	E	IC	IC	IC	E	IC
12 May 2016	ns	E	IC	ns	ns	ns	IC	ns
13 May 2016	ns	E	ns	ns	ns	ns	ns	ns
15 May 2016	ns	IC	ns	ns	ns	ns	ns	ns
17 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
24 May 2016	IC	IC	IC	IC	IC	IC	IC	IC
31 May 2016	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Station	Date	Time	Total	Fecal	Entero	F:T
S0	03 May 2016	1025	120	12e	36e	0.10
S0	10 May 2016	1100	80e	2e	4e	0.02
S0	17 May 2016	1040	200e	30e	80	0.15
S0	24 May 2016	1110	2200e	160e	700	0.07
S0	31 May 2016	1108	<20	12e	20e	0.60
S2	03 May 2016	1201	<2	<2	<2	1.00
S2	10 May 2016	1010	4e	<2	4e	0.50
S2	17 May 2016	1140	320e	22e	420	0.07
S2	24 May 2016	1020	2e	<2	<2	1.00
S2	31 May 2016	955	40e	<2	2e	0.05
S3	03 May 2016	1115	2e	<2	<2	1.00
S3	10 May 2016	920	40	<2	2e	0.05
S3	17 May 2016	1210	200e	6e	80	0.03
S3	24 May 2016	945	<20	<2	<2	0.10
S3	31 May 2016	910	60e	20e	32e	0.33
S4	03 May 2016	1241	<2	<2	6e	1.00
S4	10 May 2016	1150	20e	<2	4e	0.10
S4	17 May 2016	953	<20	2e	8e	0.10
S4	24 May 2016	956	<2	<2	<2	1.00
S4	31 May 2016	853	160e	26e	20e	0.16
S5	03 May 2016	1059	<2	<2	<2	1.00
S5	10 May 2016	923	>16000	>12000	>12000	0.75
S5	12 May 2016	1123	>16000	7000	8800	0.44
S5	13 May 2016	1015	>16000	6400	1800e	0.40
S5	15 May 2016	856	<20	<2	48	0.10
S5	17 May 2016	1114	40e	6e	24e	0.15
S5	24 May 2016	1104	<2	<2	<2	1.00
S5	31 May 2016	1010	40e	2e	16e	0.05
56	03 May 2016	1044	<2	<2	<2	1 00
S6 S6	10 May 2016	953	<2 >16000	<2 1800e	880	1.00 0.11
S6	12 May 2016	1041	60e	8e	40	0.11
S6	17 May 2016			oe <2	40 4e	0.13
S6	24 May 2016	1055 1051	20e <2	<2	4e <2	1.00
S6	31 May 2010					
30	51 Way 2010	958	20e	2e	8e	0.10
S8	03 May 2016	953	<2	<2	<2	1.00
S8	10 May 2016	1030	4e	<2	10e	0.50
S8	17 May 2016	1236	<20	<2	<2	0.10
S8	24 May 2016	1223	<20	<2	<2	1.00
S8	31 May 2016	1137	<20	<2	<2	0.10
00			~20	~~	<u></u>	
S9	03 May 2016	930	<2	<2	<2	1.00
S9 S9	10 May 2016	1111	40e	<2	2e	0.05
S9 S9	17 May 2016	1258	<20	<2	<2	0.03
09	11 May 2010	1200	~20	∠	<u> </u>	0.10

Station	Date	Time	Total	Fecal	Entero	F:T
S9	24 May 2016	1249	<2	<2	<2	1.00
S9	31 May 2016	1205	<20	<2	<2	0.10
S10	03 May 2016	1234	<2	<2	<2	1.00
S10	10 May 2016	1210	20e	<2	8e	0.10
S10	17 May 2016	944	<20	6e	6e	0.30
S10	24 May 2016	949	<20	<2	2e	0.10
S10	31 May 2016	859	80e	<2	6e	0.02
S11	03 May 2016	1051	<2	<2	<2	1.00
S11	10 May 2016	938	>16000	11000	10000	0.69
S11	12 May 2016	1056	<20	4e	4e	0.20
S11	17 May 2016	1103	40e	2e	16e	0.05
S11	24 May 2016	1057	<2	<2	<2	1.00
S11	31 May 2016	1004	60e	6e	8e	0.10
S12	03 May 2016	1022	4e	<2	<2	0.50
S12	10 May 2016	1019	56	10e	8e	0.18
S12	17 May 2016	1040	<20	2e	4e	0.10
S12	24 May 2016	1038	<20	<2	<2	0.10
S12	31 May 2016	941	100e	10e	4e	0.10

ns = not sampled ND = no data

Comments

Station	Date	Depth	Parameter	Comments
S11	12 May 2016			Resample
S5	12 May 2016			Resample
S6	12 May 2016			Resample
S5	13 May 2016			Resample
S5	15 May 2016			Resample

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

S0 03 May 2016 Arrive Time 1025 S0 03 May 2016 Wind Speed (kts) 2.6 S0 03 May 2016 Wind Dir NE S0 03 May 2016 Minal Life 5 Shorebirds S0 03 May 2016 Kinal Life 5 Shorebirds S0 03 May 2016 Current Direction N S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Ware Teing (C) 16 S0 03 May 2016 Kwiter Temp (C) 17 S0 03 May 2016 Ware Temp (C) 122 S0 10 May 2016 Wind Dir Ne S0 10 May 2016 Warether Sumy S0 10 May 2016 Waret Color Green S0 10 May 2016 Waret Color Green	Station	Date	Parameter	Value
S0 03 May 2016 Wind Speed (kts) 2.6 S0 03 May 2016 Minal Life S Drobbirds S0 03 May 2016 Minal Life S Drobbirds S0 03 May 2016 Floatables None S0 03 May 2016 Current Direction N S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 High Tide (ff) 4.8 S0 03 May 2016 Low Tide Time 1322 S0 03 May 2016 Low Tide Time 1322 S0 03 May 2016 Low Tide Time 1100 S0 10 May 2016 Weather Sunny S0 10 May 2016 Wind Dir NE S0 10 May 2016 Wind Dir NE S0 10 May 2016 Wind Dir NE S0 10 May 2016 Minal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Minal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Minal Life 5 Sho	S0	03 May 2016	Arrive Time	1025
S0 03 May 2016 Vind Dir NE S0 03 May 2016 Floatables None S0 03 May 2016 Water Color Green S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Wave Height Low (ft) 4 S0 03 May 2016 Low Tide Time 706 S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Arrive Time 1100 Sumy S0 10 May 2016 Arrive Time Sunny Sumy S0 10 May 2016 Wind Dir NE Sumy S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 </td <td>S0</td> <td>03 May 2016</td> <td>Weather</td> <td>Partly Cloudy</td>	S0	03 May 2016	Weather	Partly Cloudy
S0 03 May 2016 Animal Life 5 Shorebirds S0 03 May 2016 Vater Color Green S0 03 May 2016 Vater Temp (C) 16 S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 High Tide (ft) 4. S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Low Tide (ft) 10 S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Kelp; Water clear; Flow from stormdrain 0.5 S0 10 May 2016 Kelp; Water Clear; Flow from stormdrain 0.5 S0 10 May 2016 <td< td=""><td>S0</td><td>03 May 2016</td><td>Wind Speed (kts)</td><td>2.6</td></td<>	S0	03 May 2016	Wind Speed (kts)	2.6
S0 03 May 2016 Floatables None S0 03 May 2016 Water Color Green S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 High Tide (ft) 4. S0 03 May 2016 Low Tide Time 706 S0 03 May 2016 Low Tide (ft) 0 S0 03 May 2016 Comments Kelp; Water clear, Flow from stormdrain 1 L/sec S0 03 May 2016 Comments Kelp; Water clear, Flow from stormdrain 1 L/sec S0 10 May 2016 Arrive Time 1100 S0 10 May 2016 Water Tomp (C) N S0 10 May 2016 Water Tomp (C) Reen S0 10 May 2016 Water Tomp (C) Green S0 10 May 2016 Water Tomp (C) Green S0 10 May 2016 Water Tomp (C) Tomes S0 10 May 2016 Water Tomp (C) Tomes S0 <	S0	03 May 2016	Wind Dir	NE
S0 03 May 2016 Water Color Green S0 03 May 2016 Current Direction N S0 03 May 2016 Water Height Low (ft) 4 S0 03 May 2016 Water Height Low (ft) 4.6 S0 03 May 2016 Ligh Tide (ft) 0 4.6 S0 03 May 2016 Low Tide (ft) 0 0 S0 03 May 2016 Low Tide (ft) 0 0 S0 03 May 2016 Comments Kelg; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Ware Free Sunny 2.1 S0 10 May 2016 Wind Dir NE Sunny S0 10 May 2016 Wind Dir NE Sunny S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog Sunny S0 10 May 2016 Water Temp (C) 17.5 Sunny Sunny S0 10 May 2016 Water Emp (C) 17.5 Sunny Sunny S0 10 May 2016	S0	03 May 2016	Animal Life	5 Shorebirds
S0 03 May 2016 Current Direction N S0 03 May 2016 Water Temp (C) 16 S0 03 May 2016 High Tide (th) 4.6 S0 03 May 2016 High Tide (th) 4.6 S0 03 May 2016 Low Tide (th) 0 S0 03 May 2016 Low Tide (th) 0 S0 03 May 2016 Low Tide (th) 1322 S0 03 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Arrive Time 1100 S0 10 May 2016 Wind Speed (kt) 2.1 S0 10 May 2016 Wind Dir NE S0 10 May 2016 Minal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Low Tide (th) 3.7 S0 10 May 2016	S0	03 May 2016	Floatables	None
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S0 03 May 2016 High Tide Time 706 S0 03 May 2016 Low Tide (fi) 0 S0 03 May 2016 Low Tide Time 1322 S0 10 May 2016 Arrive Time 1100 S0 10 May 2016 Wather Sunny S0 10 May 2016 Wind Speed (kts) 2.1 S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Floatables None S0 10 May 2016 Current Direction N S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Low Tide Time 1324 S0 10 May 2016 Low Tide Time 134 S0 10 May 2016 Low Tide Time 706 S0 10 May 2016 Low Tide Time 708 S0 10 May 2016 Low Tide Time 708 S0 10 May 2016 Kelp; Water clear; Flow from stormdrai	S0	03 May 2016	Wave Height Low (ft)	4
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S0 03 May 2016 Low Tide Time 1322 S0 03 May 2016 Arrive Time 1100 S0 10 May 2016 Arrive Time 1100 S0 10 May 2016 Weather Sunny S0 10 May 2016 Wind Speed (kts) 2.1 S0 10 May 2016 Wind Speed (kts) 2.1 S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Floatables None S0 10 May 2016 Water Color Green S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Low Tide Time 1334 S0 10 May 2016 Low Tide Time 700 S0 10 May 2016 Low Tide Time 1040 S0 17 May 2016 Arrive Time 1040 S0 17 May 2016 Wind Speed (kts) 2.4 S0 17 May 2016 Water Color Gree	S0	03 May 2016	High Tide Time	706
S0 03 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 10 May 2016 Arrive Time 1100 S0 10 May 2016 Wind Speed (kts) 2.1 S0 10 May 2016 Wind Dir NE S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Floatables None S0 10 May 2016 Water Color Green S0 10 May 2016 Water Tomp (C) 17.5 S0 10 May 2016 Water Height Low (ft) 3 S0 10 May 2016 High Tide (ft) 3.7 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Kelp; Water clear, Flow from stormdrain 0.5 L/sec S0 10 May 2016 Kelp (Mater Clear, Flow from stormdrain 0.5 L/sec S0 17 May 2016 Water Clear, Flow from stormdrain 0.5 L/sec S0 <td>S0</td> <td>03 May 2016</td> <td>Low Tide (ft)</td> <td>0</td>	S0	03 May 2016	Low Tide (ft)	0
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S0 10 May 2016 Wind Speed (kts) 2.1 S0 10 May 2016 Wind Dir NE S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Floatables None S0 10 May 2016 Water Color Green S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 High Tide (ft) 3.7 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Comments Kelp; Water clear; Flow from stormdrain 0.5 L/sec S0 17 May 2016 Arrive Time 1040 S0 17 May 2016 Wind Speed (kts) 2.4 S0 17 May 2016 Mone SE S0 17 May 2016 Animal Life 5 Shorebirds S0 17 May 2016 <	S0	10 May 2016	Weather	Sunny
S0 10 May 2016 Animal Life 5 Shorebirds; 1 Dog S0 10 May 2016 Floatables None S0 10 May 2016 Water Color Green S0 10 May 2016 Water To Direction N S0 10 May 2016 Water Temp (C) 17.5 S0 10 May 2016 High Tide (ft) 3.7 S0 10 May 2016 High Tide Time 1334 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide (ft) -0.8 S0 10 May 2016 Low Tide Time 700 S0 10 May 2016 Low Tide Time 700 S0 10 May 2016 Comments Kelp; Water clear; Flow from stormdrain 0.5 L/sec S0 17 May 2016 Arrive Time 1040 S0 17 May 2016 Wind Speed (kts) 2.4 S0 17 May 2016 Wind Dir SE S0 17 May 2016 Current Direction SE S0 17 May 2016	S0	10 May 2016	Wind Speed (kts)	2.1
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S017 May 2016WeatherCloudyS017 May 2016Wind Speed (kts)2.4S017 May 2016Wind DirSES017 May 2016Animal Life5 ShorebirdsS017 May 2016FloatablesNoneS017 May 2016Gurrent DirectionSES017 May 2016Current DirectionSES017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)0.9S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110				
S017 May 2016Wind Speed (kts)2.4S017 May 2016Wind DirSES017 May 2016Animal Life5 ShorebirdsS017 May 2016FloatablesNoneS017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0	17 May 2016	Arrive Time	1040
S017 May 2016Wind Speed (kts)2.4S017 May 2016Wind DirSES017 May 2016Animal Life5 ShorebirdsS017 May 2016FloatablesNoneS017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0	17 May 2016	Weather	Cloudy
S017 May 2016Animal Life5 ShorebirdsS017 May 2016FloatablesNoneS017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0		Wind Speed (kts)	2.4
S017 May 2016Animal Life5 ShorebirdsS017 May 2016FloatablesNoneS017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016High Tide (ft)0.9S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide Time1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0	17 May 2016	Wind Dir	SE
S017 May 2016FloatablesNoneS017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0		Animal Life	5 Shorebirds
S017 May 2016Water ColorGreenS017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016High Tide Time729S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide (ft)1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110	S0	-	Floatables	None
S017 May 2016Current DirectionSES017 May 2016Water Temp (C)17S017 May 2016Wave Height Low (ft)3S017 May 2016High Tide (ft)3.8S017 May 2016High Tide Time729S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide Time1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110				Green
S0 17 May 2016 Water Temp (C) 17 S0 17 May 2016 Wave Height Low (ft) 3 S0 17 May 2016 High Tide (ft) 3.8 S0 17 May 2016 High Tide Time 729 S0 17 May 2016 Low Tide (ft) 0.9 S0 17 May 2016 Low Tide Time 1321 S0 17 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 24 May 2016 Arrive Time 1110		•		SE
S0 17 May 2016 Wave Height Low (ft) 3 S0 17 May 2016 High Tide (ft) 3.8 S0 17 May 2016 High Tide Time 729 S0 17 May 2016 Low Tide (ft) 0.9 S0 17 May 2016 Low Tide Time 1321 S0 17 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 24 May 2016 Arrive Time 1110		-	Water Temp (C)	
S0 17 May 2016 High Tide (ft) 3.8 S0 17 May 2016 High Tide Time 729 S0 17 May 2016 Low Tide (ft) 0.9 S0 17 May 2016 Low Tide Time 1321 S0 17 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 24 May 2016 Arrive Time 1110		-	• • •	
S0 17 May 2016 High Tide Time 729 S0 17 May 2016 Low Tide (ft) 0.9 S0 17 May 2016 Low Tide Time 1321 S0 17 May 2016 Comments Kelp; Water clear; Flow from stormdrain 1 L/sec S0 24 May 2016 Arrive Time 1110		-		
S017 May 2016Low Tide (ft)0.9S017 May 2016Low Tide Time1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110			- · ·	
S017 May 2016Low Tide Time1321S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110			-	
S017 May 2016CommentsKelp; Water clear; Flow from stormdrain 1 L/secS024 May 2016Arrive Time1110				
S0 24 May 2016 Arrive Time 1110				
	-	,		
	S0	24 May 2016	Arrive Time	1110
$ $ \cup $ $ 2π iviay 2010 ivitalities \cup $ $ \cup \cup $ $ \cup	S0	24 May 2016	Weather	Sunny
S0 24 May 2016 Wind Speed (kts) 2.2				-

Station	Date	Parameter	Value
S0	24 May 2016	Wind Dir	W
S0	24 May 2016	Animal Life	5 Shorebirds; 1 Dog
S0	24 May 2016	Floatables	None
S0	24 May 2016	Water Color	Green
S0	24 May 2016	Current Direction	S
S0	24 May 2016	Water Temp (C)	19
SO	24 May 2016	Wave Height Low (ft)	3
SO	24 May 2016	High Tide (ft)	3.5
SO	24 May 2016	High Tide Time	1203
S0	24 May 2016	Low Tide (ft)	-0.4
SO	24 May 2016	Low Tide Time	542
S0	24 May 2016	Comments	Kelp; Water clear; Flow from stormdrain 1 Lt/sec
00	24 May 2010	Commenta	
S0	31 May 2016	Arrive Time	1108
S0	31 May 2016	Weather	Cloudy
S0	31 May 2016	Wind Speed (kts)	1.6
S0	31 May 2016	Wind Dir	SE
S0	31 May 2016	Animal Life	5 Shorebirds
S0	31 May 2016	Floatables	None
S0	-	Water Color	Green
	31 May 2016		N
S0	31 May 2016	Current Direction	
S0	31 May 2016	Water Temp (C)	16
S0	31 May 2016	Wave Height Low (ft)	3
S0	31 May 2016	High Tide (ft)	3.9
S0	31 May 2016	High Tide Time	545
S0	31 May 2016	Low Tide (ft)	0.6
S0	31 May 2016	Low Tide Time	1154
S0	31 May 2016	Comments	Kelp; Water clear; Flow from stormdrain 0.5 L/sec; >100 Dead tuna crabs
S2	03 May 2016	Arrive Time	1201
S2	03 May 2016	Weather	Partly Cloudy
S2	03 May 2016	Wind Speed (kts)	2.4
S2	03 May 2016	Wind Dir	NE
S2	03 May 2016	Animal Life	5 Shorebirds
S2	03 May 2016	Floatables	None
S2	03 May 2016	Water Color	Green
S2	03 May 2016	Current Direction	N
S2	03 May 2010 03 May 2016	Water Temp (C)	17
S2 S2	03 May 2016 03 May 2016	Wave Height Low (ft)	3
S2 S2	03 May 2016 03 May 2016	High Tide (ft)	4.6
52 S2	03 May 2016 03 May 2016	,	706
52 S2	03 May 2016 03 May 2016	High Tide Time Low Tide (ft)	0
52 S2	03 May 2016 03 May 2016	Low Tide (it)	1322
S2 S2	03 May 2016 03 May 2016	Comments	
32	03 Way 2010	Comments	Kelp; Water clear; No flow from stormdrain
S2	10 May 2016	Arrive Time	1010
S2	10 May 2016	Weather	Sunny
S2	10 May 2016	Wind Speed (kts)	4.6
S2	10 May 2016	Wind Dir	NE
S2	10 May 2016	Animal Life	5 Shorebirds; 3 Dogs
S2	10 May 2016	Floatables	None
S2	10 May 2016	Water Color	Green
S2	10 May 2016	Current Direction	Ν
S2	10 May 2016	Water Temp (C)	17.5

Station	Date	Parameter	Value
S2	10 May 2016	Wave Height Low (ft)	3
S2	10 May 2016	High Tide (ft)	3.7
S2	10 May 2016	High Tide Time	1334
S2	10 May 2016	Low Tide (ft)	-0.8
S2	10 May 2016	Low Tide Time	700
S2	10 May 2016	Comments	Kelp; Water clear; No flow from stormdrain
52	10 May 2010	Comments	
S2	17 May 2016	Arrive Time	1140
S2	17 May 2016	Weather	Cloudy
S2	17 May 2016	Wind Speed (kts)	3.6
S2	17 May 2016	Wind Dir	SE
S2	17 May 2016	Animal Life	5 Shorebirds
S2	17 May 2016	Floatables	None
S2	17 May 2016	Water Color	Green
S2	17 May 2016	Current Direction	N
S2	-		18
52 S2	17 May 2016	Water Temp (C)	2
	17 May 2016	Wave Height Low (ft)	
S2	17 May 2016	High Tide (ft)	3.8
S2	17 May 2016	High Tide Time	729
S2	17 May 2016	Low Tide (ft)	0.9
S2	17 May 2016	Low Tide Time	1321
S2	17 May 2016	Comments	Kelp; Water clear; No flow from stormdrain
S2	24 May 2016	Arrive Time	1020
S2	24 May 2016	Weather	Sunny
S2	24 May 2016	Wind Speed (kts)	2.1
S2	24 May 2016	Wind Dir	W
S2	24 May 2016	Animal Life	5 Shorebirds
S2	24 May 2016	Floatables	None
S2	24 May 2016	Water Color	Green
S2	24 May 2016	Current Direction	S
S2	24 May 2010 24 May 2016	Water Temp (C)	19
S2	-		3
52 S2	24 May 2016	Wave Height Low (ft)	
	24 May 2016	High Tide (ft)	3.5
S2	24 May 2016	High Tide Time	1203
S2	24 May 2016	Low Tide (ft)	-0.4
S2 S2	24 May 2016	Low Tide Time	542 Kola: 5 December Water clear: 4 Dead Seel: No flow from stormdrain
52	24 May 2016	Comments	Kelp; 5 Persons; Water clear; 1 Dead Seal; No flow from stormdrain
S2	31 May 2016	Arrive Time	955
S2	31 May 2016	Weather	Cloudy
S2	31 May 2016	Wind Speed (kts)	1.5
S2	31 May 2016	Wind Dir	SE
S2	31 May 2016	Animal Life	5 Shorebirds
S2	31 May 2016	Floatables	None
S2	31 May 2016	Water Color	Green
S2	31 May 2016	Current Direction	Ν
S2	31 May 2016	Water Temp (C)	16.5
S2	31 May 2016	Wave Height Low (ft)	3
S2	31 May 2016	High Tide (ft)	3.9
S2	31 May 2016	High Tide Time	545
S2	31 May 2016	Low Tide (ft)	0.6
S2	31 May 2016	Low Tide Time	1154
S2	31 May 2010	Comments	Kelp; Water clear; No flow from stormdrain; 1 Dead sealion
52	51 may 2010		

Station	Date	Parameter	Value
S3	03 May 2016	Arrive Time	1115
S3	03 May 2016	Weather	Partly Cloudy
S3	03 May 2016	Wind Speed (kts)	2.2
S3	03 May 2016	Wind Dir	NE
S3	03 May 2016	Animal Life	5 Shorebirds
S3	03 May 2016	Floatables	None
S3	03 May 2016	Water Color	Green
S3	03 May 2016	Current Direction	Ν
S3	03 May 2016	Water Temp (C)	18
S3	03 May 2016	Wave Height Low (ft)	3
S3	03 May 2016	High Tide (ft)	4.6
S3	03 May 2016	High Tide Time	706
S3	03 May 2016	Low Tide (ft)	0
S3	03 May 2016	Low Tide Time	1322
S3	03 May 2016	Comments	Kelp; Water clear; No flow from stormdrain
00	00 May 2010	Commento	
S3	10 May 2016	Arrive Time	920
S3	10 May 2016	Weather	Cloudy
S3	10 May 2016	Wind Speed (kts)	1.8
S3	10 May 2016	Wind Dir	NE
S3	10 May 2016	Animal Life	5 Shorebirds; 1 Dog
S3	10 May 2016	Floatables	None
S3	10 May 2010	Water Color	Green
S3	10 May 2010	Current Direction	N
S3	10 May 2010	Water Temp (C)	17
S3	-		3
S3	10 May 2016 10 May 2016	Wave Height Low (ft) High Tide (ft)	3.7
S3	-		1334
S3	10 May 2016	High Tide Time Low Tide (ft)	-0.8
S3	10 May 2016	Low Tide Time	700
S3	10 May 2016	Comments	
- 33	10 May 2016	Comments	Kelp; 5 Persons; 6 Surfers; Water clear; No flow from stormdrain
S3	17 May 2016	Arrive Time	1210
S3	17 May 2016	Weather	Cloudy
S3	17 May 2016	Wind Speed (kts)	3.8
S3	17 May 2016	Wind Dir	SE
S3	17 May 2016	Animal Life	5 Shorebirds
S3	17 May 2016	Floatables	None
S3	17 May 2016	Water Color	Green
S3	17 May 2016	Current Direction	S
S3	17 May 2016	Water Temp (C)	18
S3	17 May 2010	Wave Height Low (ft)	3
S3	17 May 2010	High Tide (ft)	3.8
S3	17 May 2010	High Tide Time	729
S3	17 May 2010	Low Tide (ft)	0.9
S3	17 May 2010 17 May 2016	Low Tide Time	1321
S3	17 May 2010 17 May 2016	Comments	Kelp; Water clear; No flow from stormdrain; Crew removing rocks
	17 IVIAY 2010	Commenta	from ramp access
S3	24 May 2016	Arrive Time	945
S3	24 May 2010 24 May 2016	Weather	Sunny
S3	24 May 2010 24 May 2016	Wind Speed (kts)	4.4
S3	24 May 2016	Wind Dir	W
S3	24 May 2010 24 May 2016	Animal Life	5 Shorebirds
S3	24 May 2010 24 May 2016	Floatables	None
	27 May 2010	1 100(00)03	INDIG

S3 24 May 2016 Water Color Green S3 24 May 2016 Water Temp (C) 19 S3 24 May 2016 Water Temp (C) 19 S3 24 May 2016 High Tide (Th) 3.5 S3 24 May 2016 Low Tide Time 1203 S3 24 May 2016 Low Tide Time 542 S3 24 May 2016 Comments Kelp: 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Comments Kelp: 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Wind Speed (kts) 0.4 53 S3 31 May 2016 Wind Speed (kts) 0.8 53 S3 31 May 2016 Wind Speed (kts) 0.8 53 S3 31 May 2016 Current Direction SE 53 S3 31 May 2016 Current Direction SE 53 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3	Station	Date	Parameter	Value
S3 24 May 2016 Water Temp (C) 19 S3 24 May 2016 High Tide (th) 3.5 S3 24 May 2016 High Tide (th) 3.5 S3 24 May 2016 Low Tide (th) -0.4 S3 24 May 2016 Comments Keip: 2 Persons; Water clear: No flow from stormdrain S3 31 May 2016 Comments Keip: 2 Persons; Water clear: No flow from stormdrain S3 31 May 2016 Ware Temp 010 S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Wind Dir SE S3 31 May 2016 Current Direction SE S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Low Tide (th) 0.5 S3 31 May 2016 Corments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Corments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016	S3	24 May 2016	Water Color	Green
S3 24 May 2016 High Tide (th) 3 S3 24 May 2016 High Tide (th) 1203 S3 24 May 2016 Low Tide (th) -0.4 S3 24 May 2016 Com Tide (th) -0.4 S3 24 May 2016 Com Tide Time 542 S3 24 May 2016 Comments Kelp; 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Arrive Time 910 S3 31 May 2016 Water Temp (C) 0.8 S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Vater Temp (C) 16 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016	S3	24 May 2016	Current Direction	S
S3 24 May 2016 High Tide (Th) 3.5 S3 24 May 2016 Low Tide (Th) -0.4 S3 24 May 2016 Low Tide (Th) -0.4 S3 24 May 2016 Low Tide (Th) -0.4 S3 24 May 2016 Comments Kelp; 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Arrive Time 910 SE S3 31 May 2016 Wind Dir SE SS S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Vater Color Green S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Low Tide (Time 154 S3 31 May 2016 Low Tide (Time 154 S3 31 May 2016 Low Tide (Time 154 S3 31 May 2016 Comments Kelp; 8 Surfers; Water clear; No flow from stormdrain <td>S3</td> <td>24 May 2016</td> <td>Water Temp (C)</td> <td>19</td>	S3	24 May 2016	Water Temp (C)	19
S3 24 May 2016 High Tide Time 1203 S3 24 May 2016 Low Tide (ft) -0.4 S3 24 May 2016 Comments Kelp: 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Arrive Time 910 Cloudy S3 31 May 2016 Wind Speed (ts) 0.8 S S3 31 May 2016 Wind Speed (ts) 0.8 S S3 31 May 2016 Wind Dir SE S S3 31 May 2016 Floatables None S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Low Tide Time 545 S3 31 May 2016 Low Tide Time 1241 S4 03 May 2016 Arrive Time 1241 S4 03 May 2016 Wind Speed (ts) 5.8 S4 03 May 2016 Wind Speed (ts) 5.8 <td>S3</td> <td>24 May 2016</td> <td>Wave Height Low (ft)</td> <td>3</td>	S3	24 May 2016	Wave Height Low (ft)	3
S3 24 May 2016 High Tide Time 1203 S3 24 May 2016 Low Tide (ft) -0.4 S3 24 May 2016 Comments Kelp: 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Arrive Time 910 Cloudy S3 31 May 2016 Wind Speed (ts) 0.8 S S3 31 May 2016 Wind Speed (ts) 0.8 S S3 31 May 2016 Wind Speed (ts) 0.8 S S3 31 May 2016 Floatables None S S3 31 May 2016 Water Color Green S S3 31 May 2016 Water Temp (C) 16 2 S3 31 May 2016 Low Tide Time 545 S3 31 May 2016 Ligh Tide (Time 545 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Wind Speed (ts) 5.8 S S3 31 May 2016 Kelp: 8 Surfers; Water clear; No flow	S3	24 May 2016	High Tide (ft)	3.5
S3 24 May 2016 Low Tide Time 542 S3 24 May 2016 Comments Kelp; 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Write Time 910 S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Wind Dir SE S3 31 May 2016 Floatables None S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Folgott Circent Direction S3 31 May 2016 Water Float Time 10 S3 31 May 2016 Water Float Time 16 S3 31 May 2016 High Tide (th) 3.9 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016	S3	24 May 2016	High Tide Time	1203
S3 24 May 2016 Low Tide Time 542 S3 24 May 2016 Comments Kelp; 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Write Time 910 S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Wind Dir SE S3 31 May 2016 Floatables None S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Folgott Circent Direction S3 31 May 2016 Water Float Time 10 S3 31 May 2016 Water Float Time 16 S3 31 May 2016 High Tide (th) 3.9 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016	S3	-		-0.4
S3 24 May 2016 Comments Kelp; 2 Persons; Water clear; No flow from stormdrain S3 31 May 2016 Arrive Time 910 S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Wind Dir SE S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Current Direction SE S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Low Tide (ft) 0.8 S3 31 May 2016 Low Tide (ft) 0.8 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp; 8 Surfers; Water clear, No flow from stormdrain S4 03 May 2016 Comments Kelp; 8 Surfers; Water clear, No flow from stormdrain S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Water Clour <td< td=""><td>S3</td><td>-</td><td></td><td>542</td></td<>	S3	-		542
S3 31 May 2016 Arrive Time 910 S3 31 May 2016 Weather Cloudy S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Mind Dir SE S3 31 May 2016 Floatables None S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Color Green S3 31 May 2016 Water Height Low (ft) 2 S3 31 May 2016 Wate Height Low (ft) 2 S3 31 May 2016 Low Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Wind Dir None S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Water		-	Comments	
S3 31 May 2016 Weather Cloudy S3 31 May 2016 Wind Speed (kts) 0.8 S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Floatables None S3 31 May 2016 Current Direction SE S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Color Green S3 31 May 2016 Wave Height Low (th) 2 S3 31 May 2016 High Tide (th) 3.9 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016 Low Tide (th) 0.6 S3 31 May 2016 Low Tide Time 154 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear, No flow from stormdrain S4 03 May 2016 Animal Life 20 Birds S4 03 May 2016 Wind Dir N S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016		5		
S3 31 May 2016 Wind Dir SE S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Floatables None S3 31 May 2016 Water Color Green S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Wind Dir N N S4	S3	31 May 2016	Arrive Time	910
S3 31 May 2016 Wind Dir SE S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Water Color Green S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Wave Height Low (ft) 2 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Arrive Time 1241 S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Mind Dir N S4 03 May 2016 Animal Life 20 Birds S4 03 May 2016 C	S3	31 May 2016	Weather	Cloudy
S3 31 May 2016 Wind Dir SE S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Water Color Green S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Wave Height Low (ft) 2 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp: 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Arrive Time 1241 S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Mind Dir N S4 03 May 2016 Animal Life 20 Birds S4 03 May 2016 C	S3	31 May 2016	Wind Speed (kts)	0.8
S3 31 May 2016 Animal Life 5 Shorebirds S3 31 May 2016 Floatables None S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Color Green S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 High Tide Time 54 S3 31 May 2016 High Tide Time 545 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Comments Kelp; 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Krive Time 1241 S4 03 May 2016 Wind Dir N S4 03 May 2016 Wind Dir N S4 03 May 2016 Arimal Life 20 Birds S4 03 May 2016 Current Direction N S4 03 May 2016 Current Direction N S4 03 May 2016 Current D	S3	31 May 2016		SE
S3 31 May 2016 Floatables None S3 31 May 2016 Water Color Green S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Water Height Low (ft) 2 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide Time 1154 S3 31 May 2016 Comments Kelp; 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Arrive Time 1241 S4 03 May 2016 Wind Dir N S4 03 May 2016 Wind Dir N S4 03 May 2016 Animal Life 20 Birds S4 03 May 2016 Water Color Green S4 03 May 2016 Water Color Green S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Water Femp (C)<	S3	-	Animal Life	5 Shorebirds
S3 31 May 2016 Water Color Green S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Corrents Kelp; 8 Surfers; Water clear; No flow from stormdrain S4 03 May 2016 Arrive Time 1241 S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Wind Dir N S4 03 May 2016 Minal Life 20 Birds S4 03 May 2016 Water Color Green S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide	S3	-	Floatables	None
S3 31 May 2016 Current Direction SE S3 31 May 2016 Water Temp (C) 16 S3 31 May 2016 Wave Height Low (ft) 2 S3 31 May 2016 High Tide (ft) 3.9 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide (ft) 0.6 S3 31 May 2016 Low Tide Time 545 S3 31 May 2016 Low Tide Time 1154 S3 31 May 2016 Arrive Time 11241 S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Mind Life 20 Birds S4 03 May 2016 Current Direction N S4 03 May 2016 Water Ceor Green S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Water Height Low (ft) 4 S4 03 May 2016 Kelp Temp 706		-	Water Color	Green
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S4 03 May 2016 Wind Speed (kts) 5.8 S4 03 May 2016 Wind Dir N S4 03 May 2016 Animal Life 20 Birds S4 03 May 2016 Floatables None S4 03 May 2016 Water Color Green S4 03 May 2016 Water Color Green S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Wave Height Low (ft) 4 S4 03 May 2016 High Tide (ft) 4.6 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide Time 1322 S4 03 May 2016 Comments Water clear S4 10 May 2016 Arrive Time 1150 S4 10 May 2016 Wind Speed (kts) 4 S4 10 May 2016 Mindal Life None S4 10 May 2016 Animal Life None		-	Weather	
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S4 03 May 2016 Water Temp (C) 18 S4 03 May 2016 Wave Height Low (ft) 4 S4 03 May 2016 High Tide (ft) 4.6 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide (ft) 0 S4 03 May 2016 Low Tide Time 1322 S4 03 May 2016 Comments Water clear S4 10 May 2016 Arrive Time 1150 S4 10 May 2016 Weather Cloudy S4 10 May 2016 Wind Speed (kts) 4 S4 10 May 2016 Mind Dir N S4 10 May 2016 Animal Life None S4 10 May 2016 Floatables None S4 10 May 2016 Current Direction N S4 10 May 2016 Current Direction N S4 10 May 2016 Water Temp (C) 19 S4 10 May 2016 Wave Height Low (ft) 2 <td< td=""><td></td><td>-</td><td>Current Direction</td><td>Ν</td></td<>		-	Current Direction	Ν
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S403 May 2016High Tide (ft)4.6S403 May 2016High Tide Time706S403 May 2016Low Tide (ft)0S403 May 2016Low Tide Time1322S403 May 2016CommentsWater clearS410 May 2016Arrive Time1150S410 May 2016WeatherCloudyS410 May 2016Wind Speed (kts)4S410 May 2016Wind Speed (kts)4S410 May 2016Wind DirNS410 May 2016Animal LifeNoneS410 May 2016FloatablesNoneS410 May 2016Current DirectionNS410 May 2016Water ColorGreenS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7			• • • •	
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S410 May 2016Wind Speed (kts)4S410 May 2016Wind DirNS410 May 2016Animal LifeNoneS410 May 2016FloatablesNoneS410 May 2016Water ColorGreenS410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7	S4	10 May 2016	Weather	Cloudy
S410 May 2016Wind DirNS410 May 2016Animal LifeNoneS410 May 2016FloatablesNoneS410 May 2016Water ColorGreenS410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7	S4	10 May 2016	Wind Speed (kts)	4
S410 May 2016Animal LifeNoneS410 May 2016FloatablesNoneS410 May 2016Water ColorGreenS410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7		-		N
S410 May 2016FloatablesNoneS410 May 2016Water ColorGreenS410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7		-	Animal Life	None
S410 May 2016Water ColorGreenS410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7	S4	10 May 2016	Floatables	None
S410 May 2016Current DirectionNS410 May 2016Water Temp (C)19S410 May 2016Wave Height Low (ft)2S410 May 2016High Tide (ft)3.7		-	Water Color	Green
S4 10 May 2016 Water Temp (C) 19 S4 10 May 2016 Wave Height Low (ft) 2 S4 10 May 2016 High Tide (ft) 3.7		-		N
S4 10 May 2016 Wave Height Low (ft) 2 S4 10 May 2016 High Tide (ft) 3.7		-	Water Temp (C)	19
S4 10 May 2016 High Tide (ft) 3.7	1			
S4 10 May 2016 High Tide Time 1334				
S4 10 May 2016 Low Tide (ft) -0.8		-	-	

Station	Date	Parameter	Value
S4	10 May 2016	Low Tide Time	700
S4	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Biofilm present on water surface;
			Strong odor of detergent preseent
	/		
S4	17 May 2016	Arrive Time	953
S4	17 May 2016	Weather	Cloudy
S4	17 May 2016	Wind Speed (kts)	8.5
S4	17 May 2016	Wind Dir	SW
S4	17 May 2016	Animal Life	None
S4	17 May 2016	Floatables	None
S4	17 May 2016	Water Color	Green
S4	17 May 2016	Current Direction	SW
S4	17 May 2016	Water Temp (C)	17.2
S4	17 May 2016	Wave Height Low (ft)	2
S4	17 May 2016	High Tide (ft)	3.8
S4	17 May 2016	High Tide Time	729
S4	17 May 2016	Low Tide (ft)	0.9
S4	17 May 2016	Low Tide Time	1321
S4	17 May 2016	Comments	Kelp; Seagrass; Debris; Water clear; Detergent odor
S4	24 May 2016	Arrive Time	956
S4	24 May 2016	Weather	Partly Cloudy
S4	24 May 2016	Wind Speed (kts)	2.4
S4	24 May 2016	Wind Dir	Ν
S4	24 May 2016	Animal Life	None
S4	24 May 2016	Floatables	None
S4	24 May 2016	Water Color	Green
S4	24 May 2016	Current Direction	Ν
S4	24 May 2016	Water Temp (C)	18.4
S4	24 May 2016	Wave Height Low (ft)	3
S4	24 May 2016	High Tide (ft)	3.5
S4	24 May 2016	High Tide Time	1203
S4	24 May 2016	Low Tide (ft)	-0.4
S4	24 May 2016	Low Tide Time	542
S4	24 May 2016	Comments	Water clear
S4	31 May 2016	Arrive Time	853
S4	31 May 2016	Weather	Overcast
S4	31 May 2016	Wind Speed (kts)	2.1
S4	31 May 2016	Wind Dir	SW
S4	31 May 2016	Animal Life	None
S4	31 May 2016	Floatables	None
S4	31 May 2016	Water Color	Green
S4	31 May 2016	Current Direction	S
S4	31 May 2016	Water Temp (C)	16.4
S4	31 May 2016	Wave Height Low (ft)	3
S4	31 May 2016	High Tide (ft)	3.9
S4	31 May 2016	High Tide Time	545
S4	31 May 2016	Low Tide (ft)	0.6
S4	31 May 2016	Low Tide Time	1154
S4	31 May 2016	Comments	Seagrass; Water clear
0-	00.00		4050
S5	03 May 2016	Arrive Time	1059
S5	03 May 2016	Weather	Partly Cloudy
S5	03 May 2016	Wind Speed (kts)	6.9

Station	Date	Parameter	Value
S5	03 May 2016	Wind Dir	Ν
S5	03 May 2016	Animal Life	None
S5	03 May 2016	Floatables	None
S5	03 May 2016	Water Color	Green
S5	03 May 2016	Current Direction	Ν
S5	03 May 2016	Water Temp (C)	17.8
S5	03 May 2016	Wave Height Low (ft)	5
S5	03 May 2016	High Tide (ft)	4.6
S5	03 May 2016	High Tide Time	706
S5	03 May 2016	Low Tide (ft)	0
S5	03 May 2016	Low Tide Time	1322
S5	03 May 2016	Comments	Water clear
	00 may 2010	Commonto	
S5	10 May 2016	Arrive Time	923
S5	10 May 2016	Weather	Cloudy
S5	10 May 2016	Wind Speed (kts)	3.8
S5	10 May 2016	Wind Dir	W
S5	10 May 2016	Animal Life	None
S5	10 May 2016	Floatables	None
S5	10 May 2016	Water Color	Green
S5	10 May 2010	Current Direction	W
S5	10 May 2010	Water Temp (C)	18
S5	-	Wave Height Low (ft)	2
S5	10 May 2016	High Tide (ft)	3.7
	10 May 2016		
S5	10 May 2016	High Tide Time	1334
S5 S5	10 May 2016	Low Tide (ft) Low Tide Time	-0.8 700
	10 May 2016		
S5	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Biofilm present on surface of water; Strong detergent odor present
S5	12 May 2016	Arrive Time	1123
S5	12 May 2016	Weather	Cloudy
S5	12 May 2016	Wind Speed (kts)	1.5
S5	12 May 2016	Wind Dir	N
S5	12 May 2016	Animal Life	None
S5	12 May 2016	Floatables	None
S5	12 May 2016	Water Color	Green
S5	12 May 2016	Current Direction	N
S5	12 May 2016	Water Temp (C)	19.4
S5	12 May 2016	Wave Height Low (ft)	3
S5	12 May 2016	High Tide (ft)	3.7
S5	12 May 2016	High Tide Time	1615
S5	12 May 2016	Low Tide (ft)	0
S5	12 May 2016	Low Tide Time	909
S5	12 May 2016	Comments	Sewage-like odor; Water clear
	12 May 2010	Comments	
S5	13 May 2016	Arrive Time	1015
S5	13 May 2016	Weather	Partly Cloudy
S5	13 May 2016	Wind Speed (kts)	4
S5	13 May 2016	Wind Dir	W
S5	13 May 2016	Animal Life	None
S5	13 May 2016	Floatables	None
S5	13 May 2016	Water Color	Green
S5	13 May 2016	Current Direction	W
S5	13 May 2016	Water Temp (C)	20
	10 may 2010		

S5 13 May 2016 Wave Height Low (ft) 2 S5 13 May 2016 High Tide (ft) 4 S5 13 May 2016 Low Tide (ft) 1721 S5 13 May 2016 Low Tide (ft) 0.3 S5 13 May 2016 Comments Resample; Kelp; Seagrass; Water turbid; Strong odor of deterge S5 15 May 2016 Arrive Time B56 S6 15 May 2016 Wind Speed (kts) 11 S5 15 May 2016 Airive Time B56 S5 15 May 2016 Airimal Life None S5 15 May 2016 Airimal Life None S5 15 May 2016 Vater Color Green S5 15 May 2016 Water Temp (C) 18 S5 15 May 2016 Low Tide ftime 120 S5 15 May 2016 Comments Kelp; Seagrass; Water turbid S5 15 May 2016 Com Tide Time 120 S5 17 May 2016 Kime Time 114 S5 17 May 20	Station	Date	Parameter	Value
SS 13 May 2016 High Tue (ft) 4 SS 13 May 2016 High Tue Time 1721 SS 13 May 2016 Low Tub (ft) 0.3 SS 13 May 2016 Comments Resample; Kelp; Seagrass; Water turbid; Strong odor of deterge SS 15 May 2016 Work Time S56 SS 15 May 2016 Work Time S56 SS 15 May 2016 Amive Time S56 SS 15 May 2016 Animal Life None SS 15 May 2016 Floatables None SS 15 May 2016 Water Color Green SS 15 May 2016 Water Temp (C) 18 SS 15 May 2016 Low Tide (ft) 3.7 SS 15 May 2016 Low Tide (ft) 0.7 SS 15 May 2016 Low Tide (ft) <th>S5</th> <th>13 May 2016</th> <th>Wave Height Low (ft)</th> <th>2</th>	S5	13 May 2016	Wave Height Low (ft)	2
SS 13 May 2016 High Tue Time 1721 SS 13 May 2016 Low Tue Time 1017 SS 13 May 2016 Comments Resample; Kelp; Seagrass; Water turbid; Strong odor of deterge SS 15 May 2016 Arive Time 856 SS 15 May 2016 Wind Speed (kts) 11 SS 15 May 2016 Floatables None SS 15 May 2016 Water Color Green SS 15 May 2016 Water Temp (C) 18 SS 15 May 2016 Low Tide (fft) 0.7 SS 15 May 2016 Comments Kelp; Seagrass; Water turbid SS 15 May 2016 Comments Kelp; Seagrass; Water turbid SS 17 May 2016 Keithre Cloudy SS <td></td> <td>-</td> <td></td> <td></td>		-		
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S5 24 May 2016 Water Temp (C) 16.8 S5 24 May 2016 Wave Height Low (ft) 3 S5 24 May 2016 High Tide (ft) 3.5 S5 24 May 2016 High Tide Time 1203 S5 24 May 2016 Low Tide (ft) -0.4 S5 24 May 2016 Low Tide Time 542		-		
S5 24 May 2016 Wave Height Low (ft) 3 S5 24 May 2016 High Tide (ft) 3.5 S5 24 May 2016 High Tide Time 1203 S5 24 May 2016 Low Tide (ft) -0.4 S5 24 May 2016 Low Tide Time 542		•		
S5 24 May 2016 High Tide (ft) 3.5 S5 24 May 2016 High Tide Time 1203 S5 24 May 2016 Low Tide (ft) -0.4 S5 24 May 2016 Low Tide Time 542		-		
S5 24 May 2016 High Tide Time 1203 S5 24 May 2016 Low Tide (ft) -0.4 S5 24 May 2016 Low Tide Time 542		-		
S5 24 May 2016 Low Tide (ft) -0.4 S5 24 May 2016 Low Tide Time 542		-		
S5 24 May 2016 Low Tide Time 542		-	-	
		2-1 May 2010		

Station	Date	Parameter	Value
S5	31 May 2016	Arrive Time	1010
S5	31 May 2016	Weather	Overcast
S5	31 May 2016	Wind Speed (kts)	3.1
S5	31 May 2016	Wind Dir	W
S5	31 May 2016	Animal Life	None
S5	31 May 2016	Floatables	None
S5	31 May 2016	Water Color	Green
S5	31 May 2016	Current Direction	S
S5	31 May 2016	Water Temp (C)	16.8
S5	31 May 2016	Wave Height Low (ft)	2
S5	31 May 2016	High Tide (ft)	3.9
S5	31 May 2016	High Tide Time	545
S5	31 May 2016	Low Tide (ft)	0.6
S5	31 May 2016	Low Tide Time	1154
S5	31 May 2016	Comments	Seagrass; Water clear
	01 may 2010	Commonito	
S6	03 May 2016	Arrive Time	1044
S6	03 May 2010 03 May 2016	Weather	Partly Cloudy
S6	03 May 2016	Wind Speed (kts)	6.4
S6	03 May 2016	Wind Dir	N
S6	03 May 2016	Animal Life	None
S6	03 May 2010 03 May 2016	Floatables	None
S6	03 May 2010 03 May 2016	Water Color	Green
S6	-	Current Direction	N
S6	03 May 2016		17.6
1	03 May 2016	Water Temp (C)	4
S6 S6	03 May 2016	Wave Height Low (ft)	4.6
1	03 May 2016	High Tide (ft)	
S6	03 May 2016	High Tide Time	706
S6	03 May 2016	Low Tide (ft)	0
S6	03 May 2016	Low Tide Time	1322 Motor class
S6	03 May 2016	Comments	Water clear
S6	10 May 2016	Arrive Time	953
S6	10 May 2016	Weather	Cloudy
S6	10 May 2016	Wind Speed (kts)	4
S6	10 May 2016	Wind Dir	W
S6	10 May 2016	Animal Life	None
S6	10 May 2016	Floatables	None
S6	10 May 2016	Water Color	Green
S6	10 May 2016	Current Direction	W
S6	10 May 2016	Water Temp (C)	17
S6	10 May 2016	Wave Height Low (ft)	2
S6	10 May 2016	High Tide (ft)	3.7
S6	10 May 2016	High Tide Time	1334
S6	10 May 2016	Low Tide (ft)	-0.8
S6	10 May 2010	Low Tide Time	700
S6	10 May 2010	Comments	Kelp; Seagrass; Water turbid; Biofilm present on watr surface;
30	10 May 2010	Comments	Strong detergent odor
S6	12 May 2016	Arrive Time	1041
S6	12 May 2016	Weather	Cloudy
S6	12 May 2016	Wind Speed (kts)	4.4
S6	12 May 2016	Wind Dir	N
S6	12 May 2016	Animal Life	1 Dog
S6	12 May 2010	Floatables	None
00	12 May 2010		1010

S6 12 May 2016 Water Color Green S6 12 May 2016 Water Temp (C) 18 S6 12 May 2016 Water Heigh Low (ft) 3 S6 12 May 2016 High Tide (ft) 3.7 S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Comments 1 Person; Water Clear S6 17 May 2016 Arrive Time 1055 S6 17 May 2016 Weather Cloudy S6 17 May 2016 Weather Cloudy S6 17 May 2016 Weather Color Green S6 17 May 2016 Current Diraction SW S6 17 May 2016 Water Color Green S6 17 May 2016 Water Color Green S6 17 May 2016 Current Diraction SW S6 17 May 2016 Low Tide (ft) 3.8 S6 17 May 2016 Low Tide (ft) 0.9 <th>Station</th> <th>Date</th> <th>Parameter</th> <th>Value</th>	Station	Date	Parameter	Value
S6 12 May 2016 Water Temp (C) 18 S6 12 May 2016 High Tide (ft) 3.7 S6 12 May 2016 High Tide (ft) 3.7 S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Low Tide Time 909 S6 12 May 2016 Comments 1 Person; Water Clear S6 17 May 2016 Comments 1 Person; Water Clear S6 17 May 2016 Weather Cloudy S6 17 May 2016 Water Color Green S6 17 May 2016 Folatables None S6 17 May 2016 Guter Color SW S6 17 May 2016 High Tide (ft) 3.8 S6 17 May 2016 High Tide (ft) 3.8 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Comments Kelp: Seagrass; 5 Persons; Water clear S6 24 May 2016 Arin	S6	12 May 2016	Water Color	Green
S6 12 May 2016 Wave Height Low (ft) 3 S6 12 May 2016 High Tide (ft) 3.7 S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Comments 1 Person; Water clear S6 17 May 2016 Comments 1 Person; Water clear S6 17 May 2016 Wind Speed (kts) 8.3 S6 17 May 2016 Animal Life None S6 17 May 2016 Current Direction SW S6 17 May 2016 Current Direction SW S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Low Tide (ft) 9.9 S6 17 May 2016 Low Tide (ft) 9.9 S6 17 May 2016 Low Tide (ft) 9.1 S6 17 May 2016 Low Tide (ft	S6	12 May 2016	Current Direction	Ν
S8 12 May 2016 High Tide Time 1615 S6 12 May 2016 Low Tide (Th) 0 S6 12 May 2016 Low Tide (Th) 0 S6 12 May 2016 Low Tide (Th) 0 S6 12 May 2016 Comments 1 Person: Water clear S6 17 May 2016 Wind Dire 1055 S6 17 May 2016 Wind Dire SW S6 17 May 2016 Mind Dir SW S6 17 May 2016 Mind Dir SW S6 17 May 2016 Water Color Green S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 13.8 S6 17 May 2016 Low Tide (Th) 3.8 S6 17 May 2016 Low Tide (Th) 9.9 S6 17 May 2016 Low Tide (Th) 13.2 S6 17 May 2016 Low Tide (Th) 14.3 <tr< td=""><td>S6</td><td>12 May 2016</td><td>Water Temp (C)</td><td>18</td></tr<>	S6	12 May 2016	Water Temp (C)	18
S8 12 May 2016 High Tide Time 1615 S6 12 May 2016 Low Tide (th) 0 S6 12 May 2016 Comments 1 Person; Water clear S6 17 May 2016 Arrive Time 1055 S6 17 May 2016 Weather Cloudy S6 17 May 2016 Wind Speed (tk) 8.3 S6 17 May 2016 Wind Speed (tk) 8.3 S6 17 May 2016 Wind Speed (tk) 8.3 S6 17 May 2016 Water Color Green S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Low Tide Time 1221 S6 17 May 2016 Low Tide Time 1221 S6 17 May 2016 Low Tide Time 1231 S6 17 May 2016 Wind Ever 941 S6 24 May 2016 Mind Speed (tk) 3	S6	12 May 2016	Wave Height Low (ft)	3
S6 12 May 2016 High Tide Time 1615 S6 12 May 2016 Low Tide Time 909 S6 12 May 2016 Comments 1 Person; Water clear S6 17 May 2016 Arrive Time 1055 S6 17 May 2016 Wind Speed (ts) 8.3 S6 17 May 2016 Water Color Green S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Low Tide Time 1221 S6 17 May 2016 Wind Ever Parity Cloudy S6 24 May 2016 Wind Speed (ts) <td>S6</td> <td>12 May 2016</td> <td>High Tide (ft)</td> <td>3.7</td>	S6	12 May 2016	High Tide (ft)	3.7
S6 12 May 2016 Low Tide (ft) 0 S6 12 May 2016 Comments 1 Person; Water clear S6 17 May 2016 Weather Cloudy S6 17 May 2016 Weather Cloudy S6 17 May 2016 Wind Dir SW S6 17 May 2016 Mind Dir SW S6 17 May 2016 Animal Life None S6 17 May 2016 Vater Color Green S6 17 May 2016 Current Direction SW S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Hugh Tide (ft) 3.8 S6 17 May 2016 Low Tide ftme 1321 S6 17 May 2016 Low Tide ftme 1321 S6 17 May 2016 Low Tide ftme 1051 S6 24 May 2016 Anrive Time 1051 S6 24 May 2016 Math Color None	S6	-		1615
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S6 17 May 2016 Wind Speed (kts) 8.3 S6 17 May 2016 Wind Dir SW S6 17 May 2016 Floatables None S6 17 May 2016 Water Color Green S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 High Tide Time 729 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Comments Kelp: Seagrass; 5 Persons; Water clear S6 17 May 2016 Comments Kelp: Seagrass; 5 Persons; Water clear S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Animal Life None S6 24 May 2016 Animal Life None S6 24 May 2016 Current Direction N S6 24 May 2016 Water	S6	17 May 2016	Weather	Cloudy
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S6 17 May 2016 Animal Life None S6 17 May 2016 Floatables None S6 17 May 2016 Current Direction SW S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 High Tide (th) 3.8 S6 17 May 2016 Low Tide (th) 0.9 S6 17 May 2016 Low Tide (th) 0.9 S6 17 May 2016 Low Tide (th) 0.9 S6 17 May 2016 Comments Kelp; Seagrass; 5 Persons; Water clear S6 24 May 2016 Comments Kelp; Seagrass; 5 Persons; Water clear S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Animal Life None S6 24 May 2016 Current Direction N S6 24 May 2016 Current Direction N S6 24 May 2016		-		
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S6 17 May 2016 Water Color Green S6 17 May 2016 Current Direction SW S6 17 May 2016 Water Height Low (ft) 4 S6 17 May 2016 High Tide (ft) 3.8 S6 17 May 2016 High Tide (ft) 3.8 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Low Tide Time 1321 S6 17 May 2016 Comments Kelp; Seagrass; 5 Persons; Water clear S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Water Color Green S6 24 May 2016 Water Toert Direction N S6 24 May 2016 Current Direction N S6 24 May 2016 Current Direction N S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Corrent Direction <td> </td> <td>-</td> <td>Floatables</td> <td>None</td>		-	Floatables	None
S6 17 May 2016 Current Direction SW S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 High Tide (II) 3.8 S6 17 May 2016 Low Tide (II) 0.9 S6 17 May 2016 Low Tide (II) 0.9 S6 17 May 2016 Comments Kelp; Seagrass; 5 Persons; Water clear S6 17 May 2016 Arrive Time 1051 S6 24 May 2016 Wind Speed (kts) 3.4 S6 24 May 2016 Arrive Time 1051 S6 24 May 2016 Wind Speed (kts) 3.4 S6 24 May 2016 Animal Life None S6 24 May 2016 Floatables None S6 24 May 2016 Water Color Green S6 24 May 2016 Water Time 1203 S6 24 May 2016 Water Height Low (ft) 3 S6 24 May 2016 Water Height Iow 1203 S6 24 May 2016 Kelp; Sea		-	Water Color	Green
S6 17 May 2016 Water Temp (C) 17.6 S6 17 May 2016 Wave Height Low (f) 4 S6 17 May 2016 High Tide (ft) 3.8 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Low Tide (ft) 0.9 S6 17 May 2016 Comments Kelp; Seagrass; 5 Persons; Water clear S6 24 May 2016 Arrive Time 1051 S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Wind Dir N S6 24 May 2016 Kinal Life None S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Water Temp (C) 1	1	-		
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S6 24 May 2016 Floatables None S6 24 May 2016 Water Color Green S6 24 May 2016 Current Direction N S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Wave Height Low (ft) 3 S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 31 May 2016 Arrive Time 958 S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Wind Dir W S6 31 May 2016 Animal Life None S6 31 May 2016 Vater Color Green S6 31 May 2016 Current Direction S <		-	Animal Life	None
S6 24 May 2016 Water Color Green S6 24 May 2016 Current Direction N S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Wave Height Low (ft) 3 S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 24 May 2016 Comments Water clear S6 31 May 2016 Weather Overcast S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Mind Dir W S6 31 May 2016 Animal Life None S6 31 May 2016 Water Color Green S6 31 May 2016 Water Temp (C) 16.2 <td></td> <td>-</td> <td>Floatables</td> <td>None</td>		-	Floatables	None
S6 24 May 2016 Current Direction N S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Wave Height Low (ft) 3 S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 High Tide Time 1203 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 24 May 2016 Comments Water clear S6 31 May 2016 Weather Overcast S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Wind Dir W S6 31 May 2016 Animal Life None S6 31 May 2016 Kater Color Green S6 31 May 2016 Current Direction S S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) <td< td=""><td>S6</td><td>24 May 2016</td><td>Water Color</td><td>Green</td></td<>	S6	24 May 2016	Water Color	Green
S6 24 May 2016 Water Temp (C) 18.6 S6 24 May 2016 Wave Height Low (ft) 3 S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 24 May 2016 Comments Water clear S6 31 May 2016 Weather Overcast S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Mind Dir W S6 31 May 2016 Animal Life None S6 31 May 2016 Floatables None S6 31 May 2016 Water Color Green S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 Wave Height Low (ft) 3	S6	-	Current Direction	Ν
S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 31 May 2016 Arrive Time 958 S6 31 May 2016 Weather Overcast S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Animal Life None S6 31 May 2016 Animal Life None S6 31 May 2016 Courrent Direction S S6 31 May 2016 Water Color Green S6 31 May 2016 Current Direction S S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 High Tide (ft) 3.9	S6	-	Water Temp (C)	18.6
S6 24 May 2016 High Tide (ft) 3.5 S6 24 May 2016 Low Tide Time 1203 S6 24 May 2016 Low Tide (ft) -0.4 S6 24 May 2016 Low Tide Time 542 S6 24 May 2016 Comments Water clear S6 31 May 2016 Arrive Time 958 S6 31 May 2016 Weather Overcast S6 31 May 2016 Wind Speed (kts) 2.9 S6 31 May 2016 Animal Life None S6 31 May 2016 Animal Life None S6 31 May 2016 Courrent Direction S S6 31 May 2016 Water Color Green S6 31 May 2016 Current Direction S S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 High Tide (ft) 3.9	S6	24 May 2016	Wave Height Low (ft)	3
S624 May 2016High Tide Time1203S624 May 2016Low Tide (ft)-0.4S624 May 2016Low Tide Time542S624 May 2016CommentsWater clearS631 May 2016Arrive Time958S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Water Temp (C)16.2S631 May 2016Water Height Low (ft)3S631 May 2016High Tide (ft)3.9				3.5
S624 May 2016Low Tide (ft)-0.4S624 May 2016Low Tide Time542S624 May 2016CommentsWater clearS631 May 2016Arrive Time958S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Gurrent DirectionSS631 May 2016Water ColorGreenS631 May 2016Water Temp (C)16.2S631 May 2016Water Temp (C)16.2S631 May 2016Water Height Low (ft)3S631 May 2016High Tide (ft)3.9	S6		• • • •	
S624 May 2016Low Tide Time542S624 May 2016CommentsWater clearS631 May 2016Arrive Time958S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Gurrent DirectionGreenS631 May 2016Water ColorGreenS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9		-	•	
S624 May 2016CommentsWater clearS631 May 2016Arrive Time958S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Gurrent DirectionGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	1	-		
S631 May 2016Arrive Time958S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Gurrent DirectionGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9		-		
S631 May 2016WeatherOvercastS631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9		-		
S631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	S6	31 May 2016	Arrive Time	958
S631 May 2016Wind Speed (kts)2.9S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	1	-	Weather	Overcast
S631 May 2016Wind DirWS631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	S6	31 May 2016	Wind Speed (kts)	
S631 May 2016Animal LifeNoneS631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	S6	-	Wind Dir	W
S631 May 2016FloatablesNoneS631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	1	-	Animal Life	None
S631 May 2016Water ColorGreenS631 May 2016Current DirectionSS631 May 2016Water Temp (C)16.2S631 May 2016Wave Height Low (ft)3S631 May 2016High Tide (ft)3.9	S6	31 May 2016	Floatables	None
S6 31 May 2016 Current Direction S S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 High Tide (ft) 3.9	S6	31 May 2016	Water Color	Green
S6 31 May 2016 Water Temp (C) 16.2 S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 High Tide (ft) 3.9	1	-	Current Direction	S
S6 31 May 2016 Wave Height Low (ft) 3 S6 31 May 2016 High Tide (ft) 3.9		-	Water Temp (C)	16.2
S6 31 May 2016 High Tide (ft) 3.9	1 1	-		
	1			3.9
	S6	31 May 2016	High Tide Time	545
S6 31 May 2016 Low Tide (ft) 0.6	1	-	-	
Station	Date	Parameter	Value	
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S6	31 May 2016	Low Tide Time	1154	
S6	31 May 2016	Comments	Seagrass; Water clear	
S8	03 May 2016	Arrive Time	953	
S8	03 May 2016	Weather	Sunny	
S8	03 May 2016	Wind Speed (kts)	7.3	
S8	03 May 2016	Wind Dir	Ν	
S8	03 May 2016	Animal Life	None	
S8	03 May 2016	Floatables	None	
S8	03 May 2016	Water Color	Green	
S8	03 May 2016	Current Direction	N	
S8	03 May 2016	Water Temp (C)	17.3	
S8	03 May 2016	Wave Height Low (ft)	4	
S8	03 May 2016	High Tide (ft)	4.6	
S8	03 May 2016	High Tide Time	706	
S8	03 May 2016	Low Tide (ft)	0	
S8	03 May 2016	Low Tide Time	1322	
S8	03 May 2010	Comments	Water clear	
50	03 May 2010	Comments		
S8	10 May 2016	Arrive Time	1030	
S8	10 May 2016	Weather	Cloudy	
S8	10 May 2010	Wind Speed (kts)	4	
S8	10 May 2016	Wind Dir	W	
	•	Animal Life		
S8	10 May 2016	Floatables	None	
S8	10 May 2016		None	
S8	10 May 2016	Water Color	Green	
S8	10 May 2016	Current Direction	W 10.7	
S8	10 May 2016	Water Temp (C)	19.7	
S8	10 May 2016	Wave Height Low (ft)	2	
S8	10 May 2016	High Tide (ft)	3.7	
S8	10 May 2016	High Tide Time	1334	
S8	10 May 2016	Low Tide (ft)	-0.8	
S8	10 May 2016	Low Tide Time	700	
S8	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Contaminaton signs posted	
S8	17 May 2016	Arrive Time	1236	
S8	17 May 2016	Weather	Cloudy	
S8	17 May 2016	Wind Speed (kts)	5.2	
S8	17 May 2016	Wind Dir	W	
S8	17 May 2016	Animal Life	None	
S8	17 May 2016	Floatables	None	
S8	17 May 2016	Water Color	Green	
S8	17 May 2016	Current Direction	W	
S8	17 May 2016	Water Temp (C)	17.6	
S8	17 May 2016	Wave Height Low (ft)	2	
S8	17 May 2016	High Tide (ft)	3.8	
S8	17 May 2016	High Tide Time	729	
S8	17 May 2016	Low Tide (ft)	0.9	
S8	17 May 2016	Low Tide Time	1321	
S8	17 May 2016	Comments	Kelp; Seagrass; Water clear	
	-			
S8	24 May 2016	Arrive Time	1223	
S8	24 May 2016	Weather	Partly Cloudy	
S8	24 May 2016	Wind Speed (kts)	5.8	
S8	24 May 2016	Wind Dir	Ν	

Station	Date	Parameter	Value
S8	24 May 2016	Animal Life	None
S8	24 May 2016	Floatables	None
S8	24 May 2016	Water Color	Green
S8	24 May 2016	Current Direction	Ν
S8	24 May 2016	Water Temp (C)	20
S8	24 May 2016	Wave Height Low (ft)	3
S8	24 May 2016	High Tide (ft)	3.5
S8	24 May 2016	High Tide Time	1203
S8	24 May 2016	Low Tide (ft)	2.1
S8	24 May 2016	Low Tide Time	1649
S8	24 May 2016	Comments	Water clear
	-,		
S8	31 May 2016	Arrive Time	1137
S8	31 May 2016	Weather	Overcast
S8	31 May 2016	Wind Speed (kts)	5.4
S8	31 May 2016	Wind Dir	W
S8	31 May 2016	Animal Life	None
S8	31 May 2016	Floatables	None
S8	31 May 2016	Water Color	Green
S8	31 May 2016	Current Direction	S
S8	31 May 2016	Water Temp (C)	18.1
S8	31 May 2016	Wave Height Low (ft)	3
S8	31 May 2010	High Tide (ft)	3.9
58 S8	31 May 2010 31 May 2016	High Tide Time	545
58 S8	-	-	0.6
58 S8	31 May 2016	Low Tide (ft) Low Tide Time	1154
58 S8	31 May 2016	Comments	
50	31 May 2016	Comments	Seagrass; Water clear
S9	03 May 2016	Arrive Time	930
S9	03 May 2016	Weather	Sunny
S9	03 May 2016	Wind Speed (kts)	3.1
S9	03 May 2016	Wind Dir	N
S9	03 May 2016	Animal Life	None
S9	03 May 2016	Floatables	None
S9	03 May 2016	Water Color	Green
S9	03 May 2016	Current Direction	N
S9	03 May 2010 03 May 2016	Water Temp (C)	17
S9 S9	03 May 2016 03 May 2016	Wave Height Low (ft)	3
S9 S9	03 May 2016 03 May 2016	High Tide (ft)	4.6
S9 S9	03 May 2016 03 May 2016	High Tide Time	706
59 59	-	•	
59 59	03 May 2016	Low Tide (ft)	0
59 59	03 May 2016	Low Tide Time	1322 2 Surfers: Water clear
59	03 May 2016	Comments	
S9	10 May 2016	Arrive Time	1111
1	-		
S9	10 May 2016	Weather	
S9	10 May 2016	Wind Speed (kts)	4
S9	10 May 2016	Wind Dir	W
S9	10 May 2016	Animal Life	None
S9	10 May 2016	Floatables	None
S9	10 May 2016	Water Color	Green
S9	10 May 2016	Current Direction	W
S9	10 May 2016	Water Temp (C)	19
S9	10 May 2016	Wave Height Low (ft)	2
S9	10 May 2016	High Tide (ft)	3.7

Station	Date	Parameter	Value
S9	10 May 2016	High Tide Time	1334
S9	10 May 2016	Low Tide (ft)	-0.8
S9	10 May 2016	Low Tide Time	700
S9	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Construction in area
	-		
S9	17 May 2016	Arrive Time	1258
S9	17 May 2016	Weather	Cloudy
S9	17 May 2016	Wind Speed (kts)	4.6
S9	17 May 2016	Wind Dir	W
S9	17 May 2016	Animal Life	None
S9	17 May 2016	Floatables	None
S9	17 May 2016	Water Color	Green
S9	17 May 2016	Current Direction	W
S9	17 May 2016	Water Temp (C)	18
S9	17 May 2016	Wave Height Low (ft)	2
S9	17 May 2016	High Tide (ft)	3.8
S9	17 May 2016	High Tide Time	729
S9	17 May 2016	Low Tide (ft)	0.9
S9	17 May 2016	Low Tide Time	1321
S9	17 May 2016	Comments	Kelp; Seagrass; Water clear
S9	24 May 2016	Arrive Time	1249
S9	24 May 2016	Weather	Partly Cloudy
S9	24 May 2016	Wind Speed (kts)	3.6
S9	24 May 2016	Wind Dir	Ν
S9	24 May 2016	Animal Life	None
S9	24 May 2016	Floatables	None
S9	24 May 2016	Water Color	Green
S9	24 May 2016	Current Direction	Ν
S9	24 May 2016	Water Temp (C)	19.8
S9	24 May 2016	Wave Height Low (ft)	2
S9	24 May 2016	High Tide (ft)	3.5
S9	24 May 2016	High Tide Time	1203
S9	24 May 2016	Low Tide (ft)	2.1
S9	24 May 2016	Low Tide Time	1649
S9	24 May 2016	Comments	Water clear
S9	31 May 2016	Arrive Time	1205
S9	31 May 2016	Weather	Overcast
S9	31 May 2016	Wind Speed (kts)	4.6
S9	31 May 2016	Wind Dir	W
S9	31 May 2016	Animal Life	None
S9	31 May 2016	Floatables	None
S9	31 May 2016	Water Color	Green
S9	31 May 2016	Current Direction	S
S9	31 May 2016	Water Temp (C)	17.8
S9	31 May 2016	Wave Height Low (ft)	3
S9	31 May 2016	High Tide (ft)	3.9
S9	31 May 2016	High Tide Time	545
S9	31 May 2016	Low Tide (ft)	0.6
S9	31 May 2016	Low Tide Time	1154
S9	31 May 2016	Comments	Kelp; Seagrass; Water clear
S10	03 May 2016	Arrive Time	1234
S10	03 May 2016	Weather	Cloudy

Station	Date	Parameter	Value
S10	03 May 2016	Wind Speed (kts)	5.6
S10	03 May 2016	Wind Dir	Ν
S10	03 May 2016	Animal Life	None
S10	03 May 2016	Floatables	None
S10	03 May 2016	Water Color	Green
S10	03 May 2016	Current Direction	Ν
S10	03 May 2016	Water Temp (C)	18
S10	03 May 2016	Wave Height Low (ft)	4
S10	03 May 2016	High Tide (ft)	4.6
S10	03 May 2016	High Tide Time	706
S10	03 May 2016	Low Tide (ft)	0
S10	03 May 2016	Low Tide Time	1322
S10	03 May 2016	Comments	Water clear
010	00 may 2010	Commonto	
S10	10 May 2016	Arrive Time	1210
S10	10 May 2016	Weather	Cloudy
S10	10 May 2010	Wind Speed (kts)	4
S10	10 May 2010	Wind Dir	Ŵ
S10 S10	10 May 2016 10 May 2016	Animal Life	None
S10 S10	10 May 2016 10 May 2016	Floatables	None
S10 S10	10 May 2016 10 May 2016	Water Color	Green
S10 S10	-	Current Direction	W
	10 May 2016		
S10	10 May 2016	Water Temp (C)	19 2
S10	10 May 2016	Wave Height Low (ft)	
S10	10 May 2016	High Tide (ft)	3.7
S10	10 May 2016	High Tide Time	1334
S10	10 May 2016	Low Tide (ft)	-0.8
S10	10 May 2016	Low Tide Time	700
S10	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Biofilm present
S10	17 May 2016	Arrive Time	944
S10	17 May 2016	Weather	Cloudy
S10	17 May 2016	Wind Speed (kts)	6.6
S10	17 May 2016	Wind Dir	SW
S10	17 May 2016	Animal Life	None
S10	17 May 2016	Floatables	None
S10	17 May 2016	Water Color	Green
S10	17 May 2016	Current Direction	SW
S10	17 May 2016	Water Temp (C)	17
S10	17 May 2016	Wave Height Low (ft)	2
S10	17 May 2016	High Tide (ft)	3.8
S10	17 May 2016	High Tide Time	729
S10	17 May 2016	Low Tide (ft)	0.9
S10	17 May 2016	Low Tide Time	1321
S10	17 May 2016	Comments	Kelp; Seagrass; Water clear; Detergent odor
S10	24 May 2016	Arrive Time	949
S10	24 May 2016	Weather	Partly Cloudy
S10	24 May 2016	Wind Speed (kts)	4.4
S10	24 May 2016	Wind Dir	Ν
S10	24 May 2016	Animal Life	None
S10	24 May 2016	Floatables	None
S10	24 May 2016	Water Color	Green
S10	24 May 2016	Current Direction	Ν
S10	24 May 2016	Water Temp (C)	19

Station	Date	Parameter	Value
S10	24 May 2016	Wave Height Low (ft)	3
S10	24 May 2016	High Tide (ft)	3.5
S10	24 May 2016	High Tide Time	1203
S10	24 May 2016	Low Tide (ft)	-0.4
S10	24 May 2016	Low Tide Time	542
S10	24 May 2016	Comments	Water clear
0.0		00111101110	
S10	31 May 2016	Arrive Time	859
S10	31 May 2016	Weather	Overcast
S10	31 May 2016	Wind Speed (kts)	1.7
S10	31 May 2016	Wind Dir	W
S10	31 May 2016	Animal Life	None
S10	31 May 2016	Floatables	None
S10	31 May 2016	Water Color	Green
S10	31 May 2016	Current Direction	S
S10	31 May 2016	Water Temp (C)	16.6
S10	31 May 2016	Wave Height Low (ft)	3
S10	31 May 2016	High Tide (ft)	3.9
S10 S10	31 May 2016	High Tide Time	545
S10	31 May 2016	Low Tide (ft)	0.6
S10	31 May 2016	Low Tide Time	1154
S10 S10	31 May 2016	Comments	Seagrass; Water clear
510	51 May 2010	Comments	Seagrass, Water Clear
S11	03 May 2016	Arrive Time	1051
S11	03 May 2010 03 May 2016	Weather	Partly Cloudy
S11	03 May 2010 03 May 2016	Wind Speed (kts)	6.4
S11	03 May 2010 03 May 2016	Wind Dir	N
S11	03 May 2016	Animal Life	None
S11	03 May 2010 03 May 2016	Floatables	None
S11	03 May 2016	Water Color	Green
S11	03 May 2010 03 May 2016	Current Direction	N
S11	03 May 2010 03 May 2016	Water Temp (C)	18.4
S11	03 May 2010 03 May 2016	Wave Height Low (ft)	4
S11	03 May 2010 03 May 2016	High Tide (ft)	4.6
S11 S11	03 May 2010 03 May 2016	High Tide Time	706
S11 S11	03 May 2010 03 May 2016	Low Tide (ft)	0
S11 S11	03 May 2016 03 May 2016	Low Tide Time	1322
S11 S11	03 May 2016 03 May 2016	Comments	Water clear
511	03 way 2010	Comments	
S11	10 May 2016	Arrive Time	938
S11	10 May 2016	Weather	Cloudy
S11	10 May 2016	Wind Speed (kts)	4
S11	10 May 2016	Wind Dir	Ŵ
S11	10 May 2016	Animal Life	None
S11	10 May 2016	Floatables	None
S11 S11	10 May 2016	Water Color	Green
S11 S11	10 May 2016	Current Direction	W
S11 S11	10 May 2016	Water Temp (C)	16
S11 S11	10 May 2016	Wave Height Low (ft)	2
S11 S11	10 May 2016	High Tide (ft)	3.7
S11 S11	10 May 2016 10 May 2016		1334
S11 S11	10 May 2016 10 May 2016	High Tide Time	-0.8
S11 S11	10 May 2016 10 May 2016	Low Tide (ft) Low Tide Time	-0.8
S11 S11	10 May 2016 10 May 2016	Comments	Kelp; Seagrass; Water turbid; Very strong detergent-like odor
511	10 Iviay 2010	Comments	וזבוף, שבמטומסס, יימובו נעושוע, יבוץ גווטווץ עבובועבוונ-ווגב טעטו

C11 .	Date	Parameter	Value
S11	12 May 2016	Arrive Time	1056
S11 [·]	12 May 2016	Weather	Cloudy
S11 [·]	12 May 2016	Wind Speed (kts)	3.8
S11 .	12 May 2016	Wind Dir	Ν
S11 .	12 May 2016	Animal Life	None
S11 .	12 May 2016	Floatables	None
1 1	12 May 2016	Water Color	Green
	12 May 2016	Current Direction	Ν
S11 ·	12 May 2016	Water Temp (C)	17.8
1 1	12 May 2016	Wave Height Low (ft)	3
1 1	12 May 2016	High Tide (ft)	3.7
1	12 May 2016	High Tide Time	1615
1	12 May 2016	Low Tide (ft)	0
1	12 May 2016	Low Tide Time	909
1	12 May 2016	Comments	Water clear
_	- ,		
S11 ·	17 May 2016	Arrive Time	1103
	17 May 2016	Weather	Cloudy
1 1	17 May 2016	Wind Speed (kts)	8.5
1 1	17 May 2016	Wind Dir	SW
1	17 May 2016	Animal Life	None
1	17 May 2016	Floatables	None
1	17 May 2016	Water Color	Green
1	17 May 2016	Current Direction	SW
1	17 May 2010	Water Temp (C)	17.6
1	17 May 2010	Wave Height Low (ft)	4
1	17 May 2010	High Tide (ft)	3.8
1	-		729
1	17 May 2016	High Tide Time Low Tide (ft)	0.9
1	17 May 2016	Low Tide (it)	1321
1	17 May 2016		
S11 ⁻	17 May 2016	Comments	Kelp; Seagrass; Water clear
S11 2	24 May 2016	Arrive Time	1057
1 1	24 May 2016	Weather	Partly Cloudy
1 1	24 May 2016	Wind Speed (kts)	5.2
1 1	24 May 2016	Wind Dir	Ν
	24 May 2016	Animal Life	None
1	24 May 2016	Floatables	None
1	24 May 2016	Water Color	Green
	24 May 2016	Current Direction	Ν
	24 May 2016	Water Temp (C)	19
	24 May 2016	Wave Height Low (ft)	3
	24 May 2016	High Tide (ft)	3.5
1 1	24 May 2016	High Tide Time	1203
	24 May 2016	Low Tide (ft)	-0.4
	24 May 2016	Low Tide Time	542
	24 May 2016	Comments	Water clear
	- ,		
	31 May 2016	Arrive Time	1004
S11 3	31 May 2016	Weather	Overcast
S11 3	31 May 2016	Wind Speed (kts)	2.7
	31 May 2016	Wind Dir	W
1 1	31 May 2016	Animal Life	None
	31 May 2016	Floatables	None
	-	Water Color	Green

Station	Date	Parameter	Value
S11	31 May 2016	Current Direction	S
S11	31 May 2016	Water Temp (C)	16.2
S11	31 May 2016	Wave Height Low (ft)	4
S11	31 May 2016	High Tide (ft)	3.9
S11	31 May 2016	High Tide Time	545
S11	31 May 2016	Low Tide (ft)	0.6
S11	31 May 2016	Low Tide Time	1154
S11	31 May 2016	Comments	Seagrass; Water clear
••••	e :	00111101110	
S12	03 May 2016	Arrive Time	1022
S12	03 May 2016	Weather	Sunny
S12	03 May 2016	Wind Speed (kts)	3.4
S12	03 May 2016	Wind Dir	N
S12	03 May 2016	Animal Life	None
S12	03 May 2016	Floatables	None
S12	03 May 2016	Water Color	Green
S12	03 May 2016	Current Direction	N
S12	03 May 2016	Water Temp (C)	17.6
S12	03 May 2016	Wave Height Low (ft)	5
S12	03 May 2016	High Tide (ft)	4.6
S12	03 May 2016	High Tide Time	706
S12	03 May 2016	Low Tide (ft)	0
S12	03 May 2016	Low Tide Time	1322
S12 S12	03 May 2010 03 May 2016	Comments	3 Persons; Water clear
512	03 May 2010	Comments	
S12	10 May 2016	Arrive Time	1019
S12	10 May 2016	Weather	Cloudy
S12	10 May 2016	Wind Speed (kts)	4
S12	10 May 2016	Wind Dir	W
S12	10 May 2016	Animal Life	None
S12	10 May 2016	Floatables	None
S12	10 May 2016	Water Color	Green
S12	10 May 2016	Current Direction	W
S12	10 May 2016	Water Temp (C)	18
S12	10 May 2016	Wave Height Low (ft)	2
S12	10 May 2016	High Tide (ft)	3.7
S12	10 May 2016	High Tide Time	1334
S12 S12	10 May 2016	Low Tide (ft)	-0.8
S12 S12	10 May 2016	Low Tide (it)	700
S12 S12	10 May 2016	Comments	Kelp; Seagrass; Water turbid; Contamination sign posted
512	10 May 2010	Comments	Rep, Seagrass, water turbit, Contamination sign posted
S12	17 May 2016	Arrive Time	1040
S12	17 May 2010	Weather	Cloudy
S12 S12	17 May 2010 17 May 2016	Wind Speed (kts)	5.8
S12 S12	17 May 2010 17 May 2016	Wind Dir	SW
S12 S12	17 May 2010 17 May 2016	Animal Life	20 Crab
S12 S12	17 May 2010 17 May 2016	Floatables	None
S12 S12	17 May 2010 17 May 2016	Water Color	Green
S12 S12	17 May 2016 17 May 2016	Current Direction	SW
S12 S12	17 May 2016 17 May 2016	Water Temp (C)	17.6
S12 S12	17 May 2016 17 May 2016	Wave Height Low (ft)	3
S12 S12	17 May 2016 17 May 2016	High Tide (ft)	3.8
S12 S12	-		
S12 S12	17 May 2016	High Tide Time	729
S12 S12	17 May 2016	Low Tide (ft)	0.9
312	17 May 2016	Low Tide Time	1321

Station	Date	Parameter	Value
S12	17 May 2016	Comments	Kelp; Seagrass; Water clear
S12	24 May 2016	Arrive Time	1038
S12	24 May 2016	Weather	Partly Cloudy
S12	24 May 2016	Wind Speed (kts)	5
S12	24 May 2016	Wind Dir	Ν
S12	24 May 2016	Animal Life	None
S12	24 May 2016	Floatables	None
S12	24 May 2016	Water Color	Green
S12	24 May 2016	Current Direction	Ν
S12	24 May 2016	Water Temp (C)	18.4
S12	24 May 2016	Wave Height Low (ft)	3
S12	24 May 2016	High Tide (ft)	3.5
S12	24 May 2016	High Tide Time	1203
S12	24 May 2016	Low Tide (ft)	-0.4
S12	24 May 2016	Low Tide Time	542
S12	24 May 2016	Comments	Water clear
S12	31 May 2016	Arrive Time	941
S12	31 May 2016	Weather	Overcast
S12	31 May 2016	Wind Speed (kts)	1.7
S12	31 May 2016	Wind Dir	NW
S12	31 May 2016	Animal Life	None
S12	31 May 2016	Floatables	None
S12	31 May 2016	Water Color	Green
S12	31 May 2016	Current Direction	S
S12	31 May 2016	Water Temp (C)	17.2
S12	31 May 2016	Wave Height Low (ft)	2
S12	31 May 2016	High Tide (ft)	3.9
S12	31 May 2016	High Tide Time	545
S12	31 May 2016	Low Tide (ft)	0.6
S12	31 May 2016	Low Tide Time	1154
S12	31 May 2016	Comments	Seagrass; Water clear



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

Date	l19	124	125	126	132	139	I40
01 May 2016	13	4	4	3	7	3	17
02 May 2016	13	4	4	3	7	3	17
03 May 2016	13	4	4	3	7	3	17
04 May 2016	20*	5*	5*	3*	7*	3*	20*
05 May 2016	17	6	4	3	6	3	17
06 May 2016	17	6	4	3	6	3	17
07 May 2016	17	6	4	3	6	3	17
08 May 2016	12*	4*	2*	2*	5*	2*	12*
09 May 2016	12*	4*	2*	2*	5*	2*	12*
10 May 2016	14	12	5	3	5*	3	17
11 May 2016	14	12	5	3	7	3	17
12 May 2016	14	12	5	3	7	3	17
13 May 2016	8*	19*	6*	3*	6*	3*	7*
14 May 2016	8*	19*	6*	3*	6*	3*	7*
15 May 2016	8*	19*	6*	3*	6*	3*	7*
16 May 2016	8	12	5	3	7	5	6
17 May 2016	8	12	5	3	7	5	6
18 May 2016	8	12	5	3	7	5	6
19 May 2016	8*	13*	5*	3*	9*	7*	7*
20 May 2016	8*	13*	5*	3*	9*	7*	7*
21 May 2016	8*	13*	5*	3*	9*	7*	7*
22 May 2016	6	9	4	3	7	5	7
23 May 2016	6	9	4	3	7	5	7
24 May 2016	6	9	4	3	7	5	7
25 May 2016	6	9	4	3	7	5	7
26 May 2016	6	9	4	3	7	5	7
27 May 2016	6	9	4	3	7	5	7
28 May 2016	6	9	4	3	7	5	7
29 May 2016	8*	13*	5*	3*	5*	7*	10*
30 May 2016	8*	13*	5*	3*	5*	7*	10*
31 May 2016	12	18	5	3	5	5	15

* Geometric mean calculated using n<5

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

Date	l19	124	125	126	132	139	140
01 May 2016	4	2	2	2	2	2	4
02 May 2016	4	2	2	2	2	2	4
03 May 2016	4	2	2	2	2	2	4
04 May 2016	4*	2*	2*	2*	2*	2*	5*
05 May 2016	4	2	2	2	2	2	4
06 May 2016	4	2	2	2	2	2	4
07 May 2016	4	2	2	2	2	2	4
08 May 2016	3*	2*	2*	2*	2*	2*	5*
09 May 2016	3*	2*	2*	2*	2*	2*	5*
10 May 2016	3	3	2	2	2*	2	5
11 May 2016	3	3	2	2	2	2	5
12 May 2016	3	3	2	2	2	2	5
13 May 2016	2*	4*	2*	2*	2*	2*	3*
14 May 2016	2*	4*	2*	2*	2*	2*	3*
15 May 2016	2*	4*	2*	2*	2*	2*	3*
16 May 2016	2	3	2	2	2	2	2
17 May 2016	2	3	2	2	2	2	2
18 May 2016	2	3	2	2	2	2	2
19 May 2016	2*	4*	2*	2*	2*	2*	3*
20 May 2016	2*	4*	2*	2*	2*	2*	3*
21 May 2016	2*	4*	2*	2*	2*	2*	3*
22 May 2016	2	3	2	2	2	2	2
23 May 2016	2	3	2	2	2	2	2
24 May 2016	2	3	2	2	2	2	2
25 May 2016	2	3	2	2	2	2	2
26 May 2016	2	3	2	2	2	2	2
27 May 2016	2	3	2	2	2	2	2
28 May 2016	2	3	2	2	2	2	2
29 May 2016	2*	4*	2*	2*	2*	2*	3*
30 May 2016	2*	4*	2*	2*	2*	2*	3*
31 May 2016	2	3	2	2	2	2	3

* Geometric mean calculated using n<5

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

Date	l19	124	125	126	132	139	140
01 May 2016	3	2	2	2	2	2	3
02 May 2016	3	2	2	2	2	2	3
03 May 2016	3	2	2	2	2	2	3
04 May 2016	4*	2*	2*	2*	2*	2*	4*
05 May 2016	3	2	2	2	2	2	3
06 May 2016	3	2	2	2	2	2	3
07 May 2016	3	2	2	2	2	2	3
08 May 2016	3*	2*	2*	2*	2*	2*	4*
09 May 2016	3*	2*	2*	2*	2*	2*	4*
10 May 2016	3	4	3	2	2*	2	6
11 May 2016	3	4	3	2	2	2	6
12 May 2016	3	4	3	2	2	2	6
13 May 2016	3*	5*	3*	2*	2*	2*	4*
14 May 2016	3*	5*	3*	2*	2*	2*	4*
15 May 2016	3*	5*	3*	2*	2*	2*	4*
16 May 2016	2	4	3	2	2	2	3
17 May 2016	2	4	3	2	2	2	3
18 May 2016	2	4	3	2	2	2	3
19 May 2016	3*	5*	3*	2*	2*	2*	4*
20 May 2016	3*	5*	3*	2*	2*	2*	4*
21 May 2016	3*	5*	3*	2*	2*	2*	4*
22 May 2016	2	4	3	2	2	2	3
23 May 2016	2	4	3	2	2	2	3
24 May 2016	2	4	3	2	2	2	3
25 May 2016	2	4	3	2	2	2	3
26 May 2016	2	4	3	2	2	2	3
27 May 2016	2	4	3	2	2	2	3
28 May 2016	2	4	3	2	2	2	3
29 May 2016	3*	5*	3*	2*	2*	2*	4*
30 May 2016	3*	5*	3*	2*	2*	2*	4*
31 May 2016	3	4	3	2	2	2	4

* Geometric mean calculated using n<5

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

Date	119	124	125	126	132	139	140
05 May 2016	IC						
10 May 2016	IC	IC	IC	IC	ns	IC	IC
11 May 2016	ns	ns	ns	ns	IC	ns	ns
16 May 2016	IC						
22 May 2016	IC						
31 May 2016	IC						

IC = In Compliance

E = Exceedance

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

Date	119	124	125	126	132	139	140
05 May 2016	IC						
10 May 2016	IC	IC	IC	IC	ns	IC	IC
11 May 2016	ns	ns	ns	ns	IC	ns	ns
16 May 2016	IC						
22 May 2016	IC						
31 May 2016	IC						

IC = In Compliance

E = Exceedance

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

Date	119	124	125	126	132	139	140
05 May 2016	IC						
10 May 2016	IC	E	IC	IC	ns	IC	IC
11 May 2016	ns	ns	ns	ns	IC	ns	ns
16 May 2016	IC						
22 May 2016	IC						
31 May 2016	IC						

IC = In Compliance

E = Exceedance

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

Date	l19	124	125	126	132	139	140
05 May 2016	IC						
10 May 2016	IC	IC	IC	IC	ns	IC	IC
11 May 2016	ns	ns	ns	ns	IC	ns	ns
16 May 2016	IC						
22 May 2016	IC						
31 May 2016	IC						

IC = In Compliance

E = Exceedance

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

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pН	OG	SUSO
I19	05 May 2016	1118	2	<2	2e	<2	1.00	17.4	75.06	8.2	33.56	8.2	ns	ns
I19	05 May 2016	1118	6	<2	<2	<2	1.00	16.5	68.00	7.5	33.54	8.2	ns	ns
I19	05 May 2016	1118	11	<20	<2	<2	0.10	13.6	70.08	5.0	33.48	8.0	ns	ns
	,													
I19	10 May 2016	1257	2	<20	4e	4e	0.20	17.4	57.37	8.1	33.39	8.2	<0.2	6.0
119	10 May 2016	1257	6	40e	2e	<2	0.05	15.9	52.89	7.4	33.43	8.1	ns	6.6
119	10 May 2016	1257	11	20e	<2	10e	0.10	14.8	40.47	6.5	33.47	8.0	ns	10.5
110	10 11/10/ 2010	1201		200		100	0.10	1	10.17	0.0	00.17	0.0	110	10.0
119	16 May 2016	1125	2	<2	<2	<2	1.00	16.9	73.66	8.3	33.51	8.2	ns	ns
119	16 May 2016	1125	6	6e	<2	2e	0.33	16.6	68.28	8.2	33.50	8.2	ns	ns
119	16 May 2016	1125	11	<20	<2	<2	0.10	15.7	36.01	7.5	33.47	8.1	ns	ns
113	10 May 2010	1125		~20	~~	~2	0.10	10.7	50.01	1.5	55.47	0.1	115	115
I19	22 May 2016	1202	2	<2	<2	<2	1.00	17.8	76.70	7.5	33.56	8.2	ns	ns
119	22 May 2010 22 May 2016	1202	6	<2	<2	<2	1.00	17.6	71.93	7.4	33.56	8.2	ns	ns
I19 I19	22 May 2010 22 May 2016	1202	11	<2	<2	<2	1.00	16.8	49.63	6.6	33.50	8.1	ns	
119	22 Way 2010	1202		~ 2	<u></u>	~2	1.00	10.0	49.03	0.0	33.30	0.1	115	ns
I19	31 May 2016	1140	2	16e	6e	2e	0.38	16.7	52.81	8.2	33.51	8.2	ns	ns
I19 I19	31 May 2010	1140	6	60e	2e	<2	0.03	14.9	60.10	6.7	33.51	8.0	ns	
I19 I19	31 May 2016	1140	11	120e	2e 4e	10e	0.03	14.9	62.34	5.8	33.49	8.0		ns
119	31 Way 2010	1140	11	1200	40	100	0.03	14.2	02.34	5.0	55.49	0.0	ns	ns
124	05 May 2016	1141	2	<2	<2°	<2	1.00	17.7	69.02	8.8	33.57	8.3	-	
124	05 May 2016		2 6	<2 <2	<2 <2	<2 <2	1.00	17.4	68.92	0.0 8.3		8.2	ns	ns
124	05 May 2016 05 May 2016	1141	11	<2 <20	<2	<2 <2	0.10		66.75	0.3 4.9	33.56	8.0	ns	ns
124	05 May 2016	1141	11	<20	<2	<2	0.10	14.4	64.57	4.9	33.52	0.0	ns	ns
124	10 May 2016	1006	2	2800e	82	120e	0.03	16.9	41.05	7.2	33.26	8.1	<0.2	5.7
124	10 May 2010	1006	2		ns		ns	ns		ns		ns	ns	6.7*
124	10 May 2016	1006	6	ns 120e	4e	ns 18e	0.03	15.7	ns	6.4	ns 33.45	8.0		6.1
124			11				0.03		60.84	6.4		8.0	ns	8.9
124	10 May 2016	1006	11	60e	8e	16e	0.13	14.9	56.12	0.4	33.47	0.0	ns	0.9
124	10 May 2010	1150	2	< 2	< 2	< 2	1.00	17.1	75 74	7.7	22.54	8.2		
124	16 May 2016 16 May 2016	1150 1150	2 6	<2 <2	<2 <2	<2 <2	1.00	17.1	75.71 74.32	7.6	33.51 33.51	8.2	ns	ns
124	-	1150	11	<2	<2	<2	1.00	16.8		7.6		8.2	ns	ns
124	16 May 2016	1150	11	< 2	<2	<2	1.00	10.0	54.89	1.0	33.51	0.2	ns	ns
124	22 May 2016	1233	2	<2	<2	<2	1.00	18.0	82.67	7.8	33.57	8.2	-	
124	-	1233	6	<2	<2	<2	1.00	17.8		7.8	33.56	8.2	ns	ns
124	22 May 2016	1233	11	<2	<2	<2 <2			82.59	7.9 5.7	33.49	8.0	ns	ns
124	22 May 2016	1233	11	< 2	<2	<2	1.00	14.6	68.72	5.7	33.49	0.0	ns	ns
124	31 May 2016	1211	2	8e	<2	<2	0.25	16.9	63.96	7.7	33.53	8.2	-	
124	31 May 2016 31 May 2016	1211	2 6	0e 140e	<2		0.25	14.3	69.22	6.3	33.49	8.0	ns	ns
	-					4e							ns	ns
124	31 May 2016	1211	11	20e	<2	<2	0.10	13.1	60.31	4.5	33.49	7.9	ns	ns
125	05 May 2016	1140	2	~?	2	~?	1.00	17.7	72 56	0 1	22 57	00		
125	05 May 2016 05 May 2016	1148	2	<2	<2	<2	1.00 1.00		73.56	8.4	33.57	8.2 8.2	ns	ns
125		1148	6	<2	<2	<2		17.4	68.98	7.6	33.57		ns	ns
125	05 May 2016	1148	9	<2	<2	2e	1.00	13.9	70.77	4.7	33.51	7.9	ns	ns
105	10 May 2010	040	_	00-	0-	4 -	0.40	47 5	60.00	0 -	22.40		-0.0	
125	10 May 2016	948	2	20e	2e	4e	0.10	17.5	68.63	8.5	33.40	8.2	<0.2	<0.2

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	рН	OG	SUSO
125	10 May 2016	948	6	60e	2e	16e	0.03	16.1	54.45	7.0	33.47	8.1	ns	4.1
125	10 May 2016	948	9	80	<2	<2	0.02	15.4	68.49	7.1	33.47	8.1	ns	4.5
125	16 May 2016	1159	2	<2	<2	<2	1.00	17.2	81.21	7.9	33.52	8.2	ns	ns
125	16 May 2016	1159	6	<2	<2	<2	1.00	17.1	79.78	7.6	33.52	8.2	ns	ns
125	16 May 2016	1159	9	<2	<2	<2	1.00	16.7	69.32	7.6	33.52	8.2	ns	ns
125	22 May 2016	1239	2	<2	<2	<2	1.00	17.7	81.93	7.9	33.56	8.2	ns	ns
125	22 May 2016	1239	6	<2	<2	<2	1.00	17.6	82.17	7.9	33.56	8.2	ns	ns
125	22 May 2016	1239	9	<2	<2	<2	1.00	16.1	79.61	7.0	33.53	8.1	ns	ns
125	31 May 2016	1221	2	2e	<2	<2	1.00	17.6	64.76	8.1	33.55	8.2	ns	ns
125	31 May 2016	1221	6	12e	<2	2e	0.17	14.7	64.57	6.1	33.50	8.0	ns	ns
125	31 May 2016	1221	9	10e	<2	<2	0.20	13.5	64.44	5.0	33.48	7.9	ns	ns
126	05 May 2016	1159	2	<2	<2	<2	1.00	17.5	74.83	8.6	33.56	8.2	ns	ns
126	05 May 2016	1159	6	<2	<2	<2	1.00	17.3	67.75	7.8	33.55	8.2	ns	ns
126	05 May 2016	1159	9	4e	<2	4e	0.50	13.8	73.99	5.2	33.53	8.0	ns	ns
126	10 May 2016	934	2	<2	<2	2e	1.00	17.5	71.93	8.3	33.38	8.3	<0.2	<0.2
126	10 May 2016	934	6	<20	<2	<2	0.10	15.0	76.45	7.4	33.47	8.1	ns	3.6
126	10 May 2016	934	9	<20	<2	<2	0.10	14.8	75.64	6.6	33.47	8.0	ns	3.6
126	16 May 2016	1211	2	<2	<2	<2	1.00	17.2	81.35	7.9	33.52	8.2	ns	ns
126	16 May 2016	1211	6	<2	<2	<2	1.00	17.1	80.69	7.9	33.52	8.2	ns	ns
126	16 May 2016	1211	9	<2	<2	<2	1.00	16.9	75.04	7.5	33.52	8.2	ns	ns
126	22 May 2016	1251	2	<2	<2	<2	1.00	18.0	82.17	7.8	33.54	8.2	ns	ns
126	22 May 2016	1251	6	<2	<2	<2	1.00	17.5	82.26	7.9	33.55	8.2	ns	ns
126	22 May 2016	1251	9	<2	<2	<2	1.00	16.5	72.11	7.1	33.53	8.1	ns	ns
126	31 May 2016	1236	2	<2	<2	<2	1.00	17.9	71.38	8.1	33.56	8.2	ns	ns
126	31 May 2016	1236	6	<2	<2	<2	1.00	15.9	65.81	6.7	33.51	8.1	ns	ns
126	31 May 2016	1236	9	2e	<2	<2	1.00	13.1	76.94	6.0	33.48	8.0	ns	ns
132	05 May 2016	1214	2	<2	<2	<2	1.00	17.9	72.32	8.6	33.58	8.3	ns	ns
132	05 May 2016	1214	6	<2	<2	<2	1.00	17.8	71.10	8.4	33.58	8.2	ns	ns
132	05 May 2016	1214	9	<2	<2	<2	1.00	17.5	65.78	8.0	33.58	8.2	ns	ns
132	11 May 2016	1010	2	2e	<2	2e	1.00	16.4	63.52	6.9	33.45	8.2	<0.2	3.2
132	11 May 2016	1010	6	40e	<2	<2	0.05	14.8	68.96	5.5	33.47	8.0	ns	4.9
132	11 May 2016	1010	9	40e	<2	4e	0.05	14.7	56.67	5.4	33.48	8.0	ns	4.9
132	16 May 2016	1226	2	<2	<2	<2	1.00	17.3	81.34	8.0	33.52	8.2	ns	ns
132	16 May 2016	1226	6	<2	<2	<2	1.00	17.1	77.20	8.0	33.52	8.2	ns	ns
132	16 May 2016	1226	9	20e	<2	<2	0.10	16.8	54.20	7.8	33.50	8.2	ns	ns
132	22 May 2016	1307	2	<2	<2	<2	1.00	18.3	76.92	7.8	33.57	8.2	ns	ns
132	22 May 2016	1307	6	<2	<2	<2	1.00	18.2	76.30	7.8	33.57	8.2	ns	ns
132	22 May 2016	1307	9	<2	<2	<2	1.00	18.1	70.42	7.6	33.57	8.2	ns	ns
132	31 May 2016	1251	2	<2	<2	<2	1.00	17.8	67.29	8.0	33.55	8.2	ns	ns
132	31 May 2016	1251	6	6e	<2	<2	0.33	17.3	61.04	7.8	33.55	8.2	ns	ns
132	31 May 2016	1251	9	6e	4e	4e	0.67	17.1	58.05	7.1	33.53	8.2	ns	ns

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	рН	OG	SUSO
139	05 May 2016	1052	2	<2	<2	<2	1.00	17.3	78.93	8.2	33.56	8.2	ns	ns
139	05 May 2016	1052	12	4e	<2	<2	0.50	14.6	78.33	6.1	33.50	8.0	ns	ns
139	05 May 2016	1052	18	<2	<2	<2	1.00	13.2	79.87	4.8	33.50	7.9	ns	ns
139	10 May 2016	918	2	<2	<2	<2	1.00	17.2	75.54	8.4	33.42	8.2	<0.2	3.4
139	10 May 2016	918	12	18e	<2	<2	0.11	14.8	78.45	6.1	33.48	8.0	ns	2.8
139	10 May 2016	918	18	8e	<2	<2	0.25	14.1	76.21	6.0	33.48	8.0	ns	3.7
139	16 May 2016	1057	2	<2	<2	4e	1.00	17.2	81.51	8.0	33.52	8.2	ns	ns
139	16 May 2016	1057	12	120e	4e	<2	0.03	16.1	75.08	7.7	33.51	8.2	ns	ns
139	16 May 2016	1057	18	10e	<2	<2	0.20	13.8	68.53	6.1	33.46	8.0	ns	ns
139	22 May 2016	1137	2	<2	<2	<2	1.00	17.3	81.22	8.0	33.55	8.2	ns	ns
139	22 May 2010 22 May 2016	1137	12	<2	<2	<2	1.00	15.0	78.77	6.4	33.48	8.1	ns	ns
139	22 May 2010 22 May 2016	1137	12	2e	<2	<2	1.00	13.0	80.42	5.0	33.46	7.9	ns	ns
139	22 May 2010	1137	10	26	< <u> </u>	<2	1.00	13.0	00.42	5.0	55.47	7.9	115	115
139	31 May 2016	1116	2	<2	<2	<2	1.00	17.7	77.22	8.0	33.56	8.2	ns	ns
139	31 May 2016	1116	12	<2	<2	<2	1.00	12.6	78.72	5.1	33.49	7.9	ns	ns
139	31 May 2016	1116	18	2e	<2	<2	1.00	11.8	81.74	4.6	33.50	7.9	ns	ns
140	05 May 2016	1131	2	<2	<2	<2	1.00	17.6	69.75	8.3	33.57	8.2	ns	ns
140	05 May 2016	1131	6	<2	<2	<2	1.00	17.3	68.09	8.0	33.57	8.2	ns	ns
140	05 May 2016	1131	9	<20	<2	<2	0.10	16.6	64.35	6.7	33.55	8.2	ns	ns
140	10 May 2016	1029	2	120e	4e	8e	0.03	16.3	58.32	7.8	33.37	8.1	<0.2	4.4
140	10 May 2016	1029	6	40e	4e	6e	0.10	15.5	60.66	7.0	33.45	8.1	ns	5.3
140	10 May 2016	1029	9	100e	8e	72	0.08	15.2	53.62	6.3	33.46	8.0	ns	11.3
140	16 May 2016	1139	2	<2	<2	<2	1.00	17.1	76.29	8.1	33.52	8.2	ns	ns
140	16 May 2016	1139	6	<2	<2	<2	1.00	17.0	73.02	8.0	33.52	8.2	ns	ns
140	16 May 2016	1139	9	2e	<2	<2	1.00	16.6	56.60	7.8	33.52	8.2	ns	ns
140	00 May 00 10	4047	0			-0	1.00	40.0	74.44	7.0	00.00			
140	22 May 2016	1217	2	<2 <20	<2	<2	1.00	18.2	71.41	7.8	33.30	8.2	ns	ns
140	22 May 2016	1217	6	<20	<2	<2	0.10	16.7	66.76	6.9	33.54	8.1	ns	ns
140	22 May 2016	1217	9	<2	<2	<2	1.00	15.3	57.07	6.6	33.47	8.1	ns	ns
140	31 May 2016	1157	2	44	2e	4e	0.05	16.9	60.04	7.9	33.51	8.2	ns	ns
140	31 May 2016	1157	6	40e	4e	4e	0.10	14.8	51.35	6.7	33.49	8.0	ns	ns
140	31 May 2016	1157	9	140	<2	<2	0.01	13.9	64.05	5.5	33.49	8.0	ns	ns

ns = not sampled ND = no data

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

Station	Date	Parameter	Value
l19	05 May 2016	Depth (m)	10
l19	05 May 2016	Arrive Time	1118
l19	05 May 2016	Depart Time	1120
l19	05 May 2016	Air Temp (C)	17
l19	05 May 2016	Weather	Continuous layer of clouds
l19	05 May 2016	Visibility (mi)	8
l19	05 May 2016	Wind Speed (kts)	10
l19	05 May 2016	Wind Dir	S
l19	05 May 2016	Water Color	Brownish-Green
l19	05 May 2016	Wave Ht Low (ft)	2
l19	05 May 2016	Wave Period (sec)	13
l19	05 May 2016	Sea State	Calm
119	05 May 2016	High Tide (ft)	4.75
119	05 May 2016	High Tide Time	851
119	05 May 2016	Low Tide (ft)	0.22
119	05 May 2016	Low Tide Time	1443
l19	05 May 2016	Comments	
119	10 May 2016	Depth (m)	11
119	10 May 2016	Arrive Time	1257
119	10 May 2016	Depart Time	1304
119	10 May 2016	Air Temp (C)	17 Ourseit
119	10 May 2016	Weather	Overcast
119	10 May 2016	Visibility (mi)	10
119	10 May 2016	Wind Speed (kts)	9
I19	10 May 2016	Wind Dir Water Color	SW Brownish Croon
l19 l19	10 May 2016 10 May 2016	Wave Ht Low (ft)	Brownish-Green 4
119	10 May 2010	Wave Period (sec)	16
119	10 May 2016	Sea State	Light chop
119	10 May 2016	High Tide (ft)	3.67
119	10 May 2016	High Tide Time	1334
119	10 May 2016	Low Tide (ft)	-0.75
119	10 May 2016	Low Tide Time	700
119	10 May 2016	Comments	Water sample missed, so revisit at end of day. All CTD data and
	,		Water collected at this visit.
l19	16 May 2016	Depth (m)	10
l19	16 May 2016	Arrive Time	1125
119	16 May 2016	Depart Time	1128
l19	16 May 2016	Air Temp (C)	16
l19	16 May 2016	Weather	Partly Cloudy
l19	16 May 2016	Visibility (mi)	7
l19	16 May 2016	Wind Speed (kts)	10
119	16 May 2016	Wind Dir	SW
l19	16 May 2016	Water Color	Green
l19	16 May 2016	Wave Ht Low (ft)	4
l19	16 May 2016	Wave Period (sec)	11
l19	16 May 2016	Sea State	Confused swell
l19	16 May 2016	High Tide (ft)	3.74
l19	16 May 2016	High Tide Time	640

119 16 May 2016 Low Tide (ft) 0.8 119 16 May 2016 Low Tide Time 1248 119 16 May 2016 Comments 1248 119 22 May 2016 Depth (m) 9 119 22 May 2016 Arrive Time 1202 119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop 119 22 May 2016 Sea State Light chop 119 22 May 2016 High Tide (ft) 3.71	
119 16 May 2016 Comments 119 22 May 2016 Depth (m) 9 119 22 May 2016 Arrive Time 1202 119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Depth (m) 9 119 22 May 2016 Arrive Time 1202 119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Arrive Time 1202 119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Arrive Time 1202 119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Depart Time 1207 119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Air Temp (C) 16 119 22 May 2016 Weather Partly Cloudy 119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
11922 May 2016WeatherPartly Cloudy11922 May 2016Visibility (mi)411922 May 2016Wind Speed (kts)811922 May 2016Wind DirW11922 May 2016Water ColorGreen11922 May 2016Wave Ht Low (ft)311922 May 2016Wave Period (sec)911922 May 2016Sea StateLight chop	
119 22 May 2016 Visibility (mi) 4 119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
119 22 May 2016 Wind Speed (kts) 8 119 22 May 2016 Wind Dir W 119 22 May 2016 Water Color Green 119 22 May 2016 Wave Ht Low (ft) 3 119 22 May 2016 Wave Period (sec) 9 119 22 May 2016 Sea State Light chop	
11922 May 2016Wind DirW11922 May 2016Water ColorGreen11922 May 2016Wave Ht Low (ft)311922 May 2016Wave Period (sec)911922 May 2016Sea StateLight chop	
I19 22 May 2016 Water Color Green I19 22 May 2016 Wave Ht Low (ft) 3 I19 22 May 2016 Wave Period (sec) 9 I19 22 May 2016 Sea State Light chop	
I19 22 May 2016 Wave Ht Low (ft) 3 I19 22 May 2016 Wave Period (sec) 9 I19 22 May 2016 Sea State Light chop	
11922 May 2016Wave Period (sec)911922 May 2016Sea StateLight chop	
I19 22 May 2016 Sea State Light chop	
110 22 May 2016 High Tide (ft) 3 71	
119 22 May 2016 High Tide Time 1038	
119 22 May 2016 Low Tide (ft) -0.45	
I19 22 May 2016 Low Tide Time 429	
I19 22 May 2016 Comments	
119 31 May 2016 Depth (m) 10	
I19 31 May 2016 Arrive Time 1140	
I19 31 May 2016 Depart Time 1145	
I19 31 May 2016 Air Temp (C) 17	
119 31 May 2016 Weather Continuous layer of clouds	
119 31 May 2016 Visibility (mi) 6	
I19 31 May 2016 Wind Speed (kts) 6 I40 04 May 2016 Wind Speed (kts) 5	
I19 31 May 2016 Wind Dir E	
119 31 May 2016 Water Color Brown 140 24 May 2016 Water Life Law (#) 4	
I19 31 May 2016 Wave Ht Low (ft) 4 I40 24 May 2016 Wave Paried (cos) 46	
I19 31 May 2016 Wave Period (sec) 16 I40 31 May 2016 Sec State Light shap	
I19 31 May 2016 Sea State Light chop I19 31 May 2016 High Tide (ft) 3.85	
I19 31 May 2016 High Tide (ft) 3.85 I19 31 May 2016 High Tide Time 545	
I19 31 May 2016 Low Tide (ft) 0.57	
I19 31 May 2016 Low Tide Time 1154	
119 31 May 2016 Comments	
I24 05 May 2016 Depth (m) 10	
124 05 May 2016 Arrive Time 1141	
124 05 May 2016 Depart Time 1144	
124 05 May 2016 Air Temp (C) 17	
124 05 May 2016 Weather Continuous layer of clouds	
12405 May 2016Visability (mi)8	
I24 05 May 2016 Wind Speed (kts) 10	
124 05 May 2016 Wind Dir SE	
I24 05 May 2016 Water Color Brownish-Green	
124 05 May 2016 Wave Ht Low (ft) 2	
124 05 May 2016 Wave Period (sec) 13	
I24 05 May 2016 Sea State Calm	
I24 05 May 2016 High Tide (ft) 4.75	
I24 05 May 2016 High Tide Time 851	
I24 05 May 2016 Low Tide (ft) 0.22	

Station	Date	Parameter	Value
124	05 May 2016	Low Tide Time	1443
124	05 May 2016	Comments	
124	10 May 2016	Depth (m)	9
124	10 May 2016	Arrive Time	1006
124	10 May 2016	Depart Time	1022
124	10 May 2016	Air Temp (C)	17
124	10 May 2016	Weather	Overcast
124	10 May 2016	Visibility (mi)	10
124	10 May 2016	Wind Speed (kts)	6
124	10 May 2016	Wind Dir	NE
124	10 May 2016	Water Color	Brownish-Green
124	10 May 2016	Wave Ht Low (ft)	4
124	10 May 2016	Wave Period (sec)	16
124	10 May 2016	Sea State	Wind ripples
124	10 May 2016	High Tide (ft)	3.67
124	10 May 2016	High Tide Time	1334
124	10 May 2016	Low Tide (ft)	-0.75
124	10 May 2016	Low Tide Time	700
124	10 May 2016	Comments	Trouble finding depth - three casts; Unable to obtain station depth
12-7	10 May 2010	Comments	
124	16 May 2016	Depth (m)	11
124	16 May 2016	Arrive Time	1150
124	•	Depart Time	1153
	16 May 2016	Air Temp (C)	
124	16 May 2016	Weather	16 Dorthy Cloudy
124 124	16 May 2016		Partly Cloudy 9
	16 May 2016	Visibility (mi)	
124	16 May 2016	Wind Speed (kts)	10
124	16 May 2016	Wind Dir	E
124	16 May 2016	Water Color	Green
124	16 May 2016	Wave Ht Low (ft)	4
124	16 May 2016	Wave Period (sec)	11 Confirmed and I
124	16 May 2016	Sea State	Confused swell
124	16 May 2016	High Tide (ft)	3.74
124	16 May 2016	High Tide Time	640
124	16 May 2016	Low Tide (ft)	0.8
124	16 May 2016	Low Tide Time	1248
124	16 May 2016	Comments	
		5 4 ()	
124	22 May 2016	Depth (m)	10
124	22 May 2016	Arrive Time	1233
124	22 May 2016	Depart Time	1234
124	22 May 2016	Air Temp (C)	
124	22 May 2016	Weather	Partly Cloudy
124	22 May 2016	Visibility (mi)	4
124	22 May 2016	Wind Speed (kts)	10
124	22 May 2016	Wind Dir	NE
124	22 May 2016	Water Color	Green
124	22 May 2016	Wave Ht Low (ft)	3
124	22 May 2016	Wave Period (sec)	9
124	22 May 2016	Sea State	Light chop
124	22 May 2016	High Tide (ft)	3.71
124	22 May 2016	High Tide Time	1038
124	22 May 2016	Low Tide (ft)	-0.45
124	22 May 2016	Low Tide Time	429

Station	Date	Parameter	Value
124	22 May 2016	Comments	
124	31 May 2016	Depth (m)	11
124	31 May 2016	Arrive Time	1211
124	31 May 2016	Depart Time	1214
124	31 May 2016	Air Temp (C)	17
124	31 May 2016	Weather	Continuous layer of clouds
124	31 May 2016	Visibility (mi)	6
124	31 May 2016	Wind Speed (kts)	10
124	31 May 2016	Wind Dir	S
124	31 May 2016	Water Color	Brown
124	31 May 2016	Wave Ht Low (ft)	4
124	31 May 2016	Wave Period (sec)	16
124	31 May 2016	Sea State	Light chop
124	31 May 2016	High Tide (ft)	3.85
124	31 May 2016	High Tide Time	545
124	31 May 2016	Low Tide (ft)	0.57
124	31 May 2016	Low Tide Time	1154
124	31 May 2016	Comments	
125	05 May 2016	Depth (m)	9
125	05 May 2016	Arrive Time	1148
125	05 May 2016	Depart Time	1151
125	05 May 2016	Air Temp (C)	17
125	05 May 2016	Weather	Continuous layer of clouds
125	05 May 2016	Visibility (mi)	8
125	05 May 2016	Wind Speed (kts)	11
125	05 May 2016	Wind Dir	S
125	05 May 2016	Water Color	Brownish-Green
125	05 May 2016	Wave Ht Low (ft)	2
125	05 May 2016	Wave Period (sec)	13
125	05 May 2016	Sea State	
125	05 May 2016	High Tide (ft)	4.75
125	05 May 2016	High Tide Time	851 0.22
125	05 May 2016	Low Tide (ft)	
125 125	05 May 2016	Low Tide Time	1443
125	05 May 2016	Comments	
125	10 May 2016	Depth (m)	10
125	10 May 2016 10 May 2016	Arrive Time	948
125	10 May 2016	Depart Time	1004
125	10 May 2010	Air Temp (C)	17
125	10 May 2010	Weather	Overcast
125	10 May 2016	Visibility (mi)	10
125	10 May 2016	Wind Speed (kts)	5
125	10 May 2016	Wind Dir	SW
125	10 May 2016	Water Color	Brownish-Green
125	10 May 2016	Wave Ht Low (ft)	4
125	10 May 2016	Wave Period (sec)	16
125	10 May 2016	Sea State	Wind ripples
125	10 May 2016	High Tide (ft)	3.67
125	10 May 2016	High Tide Time	1334
125	10 May 2016	Low Tide (ft)	-0.75
125	10 May 2016	Low Tide Time	700
125	10 May 2016	Comments	A Tuna Crab seen on station; Tough getting depth; 3 casts
-	.,		···· , ··· , ···· ··· ··· ··· ··· ··· ·

Station	Date	Parameter	Value
105	16 May 2016	Donth (m)	
125 125	16 May 2016	Depth (m) Arrive Time	8 1159
125	16 May 2016 16 May 2016	Depart Time	1203
125	16 May 2016	Air Temp (C)	16
125	16 May 2016	Weather	Partly Cloudy
125	16 May 2016	Visibility (mi)	9
125	16 May 2016	Wind Speed (kts)	10
125	16 May 2016	Wind Dir	SE
125	16 May 2016	Water Color	Green
125	16 May 2016	Wave Ht Low (ft)	4
125	16 May 2016	Wave Period (sec)	11
125	16 May 2016	Sea State	Confused swell
125	16 May 2016	High Tide (ft)	3.74
125	16 May 2016	High Tide Time	640
125	16 May 2016	Low Tide (ft)	0.8
125	16 May 2016	Low Tide Time	1248
125	16 May 2016	Comments	Unable to obtain station target depth of 9 m within 0.05 nm of station
0			because of low tide
125	22 May 2016	Depth (m)	10
125	22 May 2016	Arrive Time	1239
125	22 May 2016	Depart Time	1244
125	22 May 2016	Air Temp (C)	16
125	22 May 2016	Weather	Partly Cloudy
125	22 May 2016	Visibility (mi)	4
125	22 May 2016	Wind Speed (kts)	7
125	22 May 2016	Wind Dir	Ν
125	22 May 2016	Water Color	Green
125	22 May 2016	Wave Ht Low (ft)	3
125	22 May 2016	Wave Period (sec)	9
125	22 May 2016	Sea State	Light chop
125	22 May 2016	High Tide (ft)	3.71
125	22 May 2016	High Tide Time	1038
125	22 May 2016	Low Tide (ft)	-0.45
125	22 May 2016	Low Tide Time	429
125	22 May 2016	Comments	
125	31 May 2016	Depth (m)	9
125	31 May 2016	Arrive Time	1221
125	31 May 2016	Depart Time	1226
125	31 May 2016	Air Temp (C)	16
125	31 May 2016	Weather	Continuous layer of clouds
125	31 May 2016	Visibility (mi)	6
125	31 May 2016	Wind Speed (kts)	8
125	31 May 2016	Wind Dir	NE
125	31 May 2016	Water Color	Brown
125	31 May 2016	Wave Ht Low (ft)	4
125	31 May 2016	Wave Period (sec)	16 Liekt char
125	31 May 2016	Sea State	Light chop
125	31 May 2016	High Tide (ft)	3.85
125	31 May 2016	High Tide Time	545
125	31 May 2016	Low Tide (ft)	0.57
125	31 May 2016	Low Tide Time	1154
125	31 May 2016	Comments	

Station	Date	Parameter	Value
126	05 May 2016	Depth (m)	9
126	05 May 2016	Arrive Time	1159
126	05 May 2016	Depart Time	1201
126	05 May 2016	Air Temp (C)	16
126	05 May 2016	Weather	Continuous layer of clouds
126	05 May 2016	Visibility (mi)	8
126	05 May 2016	Wind Speed (kts)	10
126	05 May 2016	Wind Dir	W
126	05 May 2016	Water Color	Greenish-Brown
126	05 May 2016	Wave Ht Low (ft)	2
126	05 May 2016	Wave Period (sec)	13
126	05 May 2016	Sea State	Calm
126	05 May 2016	High Tide (ft)	4.75
126	05 May 2016	High Tide Time	851
126	05 May 2016	Low Tide (ft)	0.22
	-	()	
126	05 May 2016	Low Tide Time	1443
126	05 May 2016	Comments	
126	10 May 2016	Depth (m)	10
	-		
126	10 May 2016	Arrive Time	934
126	10 May 2016	Depart Time	942
126	10 May 2016	Air Temp (C)	17
126	10 May 2016	Weather	Overcast
126	10 May 2016	Visibility (mi)	10
126	10 May 2016	Wind Speed (kts)	4
126	10 May 2016	Wind Dir	NW
126	10 May 2016	Water Color	Greenish-Brown
126	10 May 2016	Wave Ht Low (ft)	4
126	10 May 2016	Wave Period (sec)	16
126	10 May 2016	Sea State	Wind ripples
126	10 May 2016	High Tide (ft)	3.67
126	10 May 2016	High Tide Time	1334
126	10 May 2016	Low Tide (ft)	-0.75
126	10 May 2016	Low Tide Time	700
126	10 May 2016	Comments	Chl-a spike @3.5m to 27mg/m3; Sample taken for analysis
	,		
126	16 May 2016	Depth (m)	9
126	16 May 2016	Arrive Time	1211
126	16 May 2016	Depart Time	1215
120	16 May 2016	Air Temp (C)	16
120	16 May 2016	Weather	Partly Cloudy
126	•		9
	16 May 2016	Visibility (mi)	
126	16 May 2016	Wind Speed (kts)	10 SW
126	16 May 2016	Wind Dir	SW
126	16 May 2016	Water Color	Green
126	16 May 2016	Wave Ht Low (ft)	4
126	16 May 2016	Wave Period (sec)	11
126	16 May 2016	Sea State	Confused swell
126	16 May 2016	High Tide (ft)	3.74
126	16 May 2016	High Tide Time	640
126	16 May 2016	Low Tide (ft)	0.8
126	16 May 2016	Low Tide Time	1248
126	16 May 2016	Comments	
	-		

Station	Date	Parameter	Value
126	22 May 2016	Depth (m)	10
126	22 May 2016	Arrive Time	1251
126	22 May 2016	Depart Time	1256
126	22 May 2016	Air Temp (C)	16
126	22 May 2016	Weather	Partly Cloudy
126	22 May 2016	Visibility (mi)	4
126	22 May 2016	Wind Speed (kts)	9
126	22 May 2016	Wind Dir	N
126	22 May 2016	Water Color	Green
126	22 May 2016	Wave Ht Low (ft)	3
126	22 May 2016	Wave Period (sec)	9
126	22 May 2016	Sea State	Light chop
126	22 May 2016	High Tide (ft)	3.71
126	22 May 2016	High Tide Time	1038
126	22 May 2016	Low Tide (ft)	-0.45
126	22 May 2016	Low Tide Time	429
120	22 May 2010 22 May 2016	Comments	420
120	22 May 2010	Comments	
126	31 May 2016	Depth (m)	9
126	31 May 2016	Arrive Time	1236
126	31 May 2016	Depart Time	1239
126	31 May 2016	Air Temp (C)	17
126	31 May 2016	Weather	Continuous layer of clouds
126	31 May 2016	Visibility (mi)	6
126	31 May 2016	Wind Speed (kts)	9
126	31 May 2016	Wind Dir	SE
126	31 May 2016	Water Color	Brown
126	31 May 2016	Wave Ht Low (ft)	4
126	31 May 2016	Wave Period (sec)	16
126	31 May 2016	Sea State	Light chop
126	31 May 2016	High Tide (ft)	3.85
126	31 May 2016	High Tide Time	545
126	31 May 2016	Low Tide (ft)	0.57
120	31 May 2016	Low Tide Time	1154
120	31 May 2010	Comments	1134
120	51 May 2010	Comments	
132	05 May 2016	Depth (m)	9
132	05 May 2016	Arrive Time	1214
132	05 May 2016	Depart Time	1216
132	05 May 2016	Air Temp (C)	17
132	05 May 2016	Weather	Continuous layer of clouds
132	05 May 2016	Visibility (mi)	8
132	05 May 2016	Wind Speed (kts)	12
132	05 May 2016	Wind Dir	SW
132	05 May 2016	Water Color	Greenish-Brown
132	05 May 2016	Wave Ht Low (ft)	2
132	05 May 2016	Wave Period (sec)	13
132	05 May 2016	Sea State	Calm
132	05 May 2016	High Tide (ft)	4.75
132	05 May 2016	High Tide Time	851
132	05 May 2010 05 May 2016	Low Tide (ft)	0.22
132	05 May 2016 05 May 2016	Low Tide Time	1443
132	05 May 2010 05 May 2016	Comments	
102	00 May 2010	Commonto	
132	11 May 2016	Depth (m)	8
		()	-

Station	Date	Parameter	Value
132	11 May 2016	Arrive Time	1010
132	11 May 2016	Depart Time	1018
132	11 May 2016	Air Temp (C)	17
132	11 May 2016	Weather	Continuous layer of clouds
132	11 May 2016	Visibility (mi)	10
132	11 May 2016	Wind Speed (kts)	7
132	11 May 2016	Wind Dir	NW
132	11 May 2016	Water Color	Green
132	11 May 2016	Wave Ht Low (ft)	4
132	11 May 2016	Wave Period (sec)	13
132	11 May 2016	Sea State	Wind ripples
132	11 May 2016	High Tide (ft)	3.6
132	11 May 2016	High Tide Time	1452
132	11 May 2016	Low Tide (ft)	-0.33
132	11 May 2016	Low Tide Time	801
132	11 May 2016	Comments	
102	11 May 2010	Commente	
132	16 May 2016	Depth (m)	9
132	16 May 2016	Arrive Time	1226
132	16 May 2016	Depart Time	1228
132	16 May 2016	Air Temp (C)	16
132	16 May 2016	Weather	Partly Cloudy
132	16 May 2016	Visibility (mi)	9
132	16 May 2016	Wind Speed (kts)	11
132	-	Wind Dir	SE
	16 May 2016		
132 132	16 May 2016	Water Color	Green 4
	16 May 2016	Wave Ht Low (ft)	11
132	16 May 2016	Wave Period (sec)	
132	16 May 2016	Sea State	Confused swell 3.74
132	16 May 2016	High Tide (ft)	
132	16 May 2016	High Tide Time	640
132	16 May 2016	Low Tide (ft)	0.8
132	16 May 2016	Low Tide Time Comments	1248
132	16 May 2016	Comments	
122	22 May 2016	Donth (m)	0
132	22 May 2016	Depth (m)	9
132 132	22 May 2016	Arrive Time	1307
	22 May 2016	Depart Time	1313
132	22 May 2016	Air Temp (C)	16 Parth Claudy
132	22 May 2016	Weather	Partly Cloudy
132	22 May 2016	Visibility (mi)	4
132	22 May 2016	Wind Speed (kts)	12
132	22 May 2016	Wind Dir	S Croop
132	22 May 2016	Water Color	Green
132	22 May 2016	Wave Ht Low (ft)	3
132	22 May 2016	Wave Period (sec)	9 Lichtchan
132	22 May 2016	Sea State	Light chop
132	22 May 2016	High Tide (ft)	3.71
132	22 May 2016	High Tide Time	1038
132	22 May 2016	Low Tide (ft)	-0.45
132	22 May 2016	Low Tide Time	429
132	22 May 2016	Comments	
132	31 May 2016	Depth (m)	9
132	31 May 2016	Arrive Time	1251

Station	Date	Parameter	Value
132	31 May 2016	Depart Time	1254
132	31 May 2016	Air Temp (C)	17
132	31 May 2016	Weather	Continuous layer of clouds
132	31 May 2016	Visibility (mi)	6
132	31 May 2016	Wind Speed (kts)	9
132	31 May 2016	Wind Dir	NE
132	31 May 2016	Water Color	Brown
132	31 May 2016	Wave Ht Low (ft)	4
132	31 May 2016	Wave Period (sec)	16
132	31 May 2016	Sea State	Light chop
132	31 May 2016	High Tide (ft)	3.85
132	31 May 2016	High Tide Time	545
132	31 May 2016	Low Tide (ft)	0.57
132	31 May 2016	Low Tide Time	1154
132	31 May 2016	Comments	
139	05 May 2016	Depth (m)	19
139	05 May 2016	Arrive Time	1052
139	05 May 2016	Depart Time	1054
139	05 May 2016	Air Temp (C)	16
139	05 May 2016	Weather	Continuous layer of clouds
139	05 May 2016	Visibility (mi)	8
139	05 May 2016	Wind Speed (kts)	9
139	05 May 2016	Wind Dir	E
139	05 May 2016	Water Color	Greenish-Blue
139	05 May 2016	Wave Ht Low (ft)	2
139	05 May 2016	Wave Period (sec)	13
139	05 May 2016	Sea State	Calm
139	05 May 2016	High Tide (ft)	4.75
139	05 May 2016	High Tide Time	851
139	05 May 2016	Low Tide (ft)	0.22
139	05 May 2016	Low Tide Time	1443
139	05 May 2016	Comments	
100	40.14. 0040		
139	10 May 2016	Depth (m)	19
139	10 May 2016	Arrive Time	918
139	10 May 2016	Depart Time	924
139	10 May 2016	Air Temp (C)	17 Overeget
139	10 May 2016	Weather	Overcast
139	10 May 2016	Visibility (mi)	10
139	10 May 2016	Wind Speed (kts)	4 N
139	10 May 2016 10 May 2016	Wind Dir Water Color	N Brown
139		Water Color	Brown
139	10 May 2016	Wave Ht Low (ft)	4
139	10 May 2016 10 May 2016	Wave Period (sec)	16 Wind ripples
139		Sea State High Tide (ft)	Wind ripples
139 139	10 May 2016 10 May 2016	High Tide (It)	3.67 1334
139	10 May 2016 10 May 2016	Low Tide (ft)	-0.75
139	10 May 2016 10 May 2016	Low Tide (II)	-0.75
139	10 May 2016 10 May 2016	Comments	100
109	10 Iviay 2010	Comments	
139	16 May 2016	Depth (m)	18
139	16 May 2016	Arrive Time	1057
139	16 May 2016	Depart Time	1057
108	10 May 2010	Depart nine	1000

Station	Date	Parameter	Value
139	16 May 2016	Air Temp (C)	16
139	16 May 2016	Weather	Partly Cloudy
139	16 May 2016	Visibility (mi)	7
139	16 May 2016	Wind Speed (kts)	9
139	16 May 2016	Wind Dir	NE
139	16 May 2016	Water Color	Greenish-Blue
139	16 May 2016	Wave Ht Low (ft)	4
139	16 May 2016	Wave Period (sec)	11
139	16 May 2016	Sea State	Confused swell
139	16 May 2016	High Tide (ft)	3.74
139	16 May 2016	High Tide Time	640
139	16 May 2016	Low Tide (ft)	0.8
139	16 May 2016	Low Tide Time	1248
139	16 May 2016	Comments	
139	22 May 2016	Depth (m)	19
139	22 May 2016	Arrive Time	1137
139	22 May 2016	Depart Time	1143
139	22 May 2016	Air Temp (C)	16
139	22 May 2016	Weather	Partly Cloudy
139	22 May 2016	Visibility (mi)	4
139	22 May 2016	Wind Speed (kts)	10
139	22 May 2010 22 May 2016	Wind Dir	NE
139	-	Water Color	Green
139	22 May 2016 22 May 2016		3
1 1	,	Wave Ht Low (ft)	9
139 139	22 May 2016	Wave Period (sec) Sea State	
1 1	22 May 2016		Light chop
139	22 May 2016	High Tide (ft)	3.71
139	22 May 2016	High Tide Time	1038
139	22 May 2016	Low Tide (ft)	-0.45
139	22 May 2016	Low Tide Time	429
139	22 May 2016	Comments	
120	21 May 2010	Denth (m)	40
139	31 May 2016	Depth (m)	18
139	31 May 2016	Arrive Time	1116
139	31 May 2016	Depart Time	1120
139	31 May 2016	Air Temp (C)	17 Continuous lavor of clouds
139	31 May 2016	Weather	Continuous layer of clouds
139	31 May 2016	Visibility (mi)	6
139	31 May 2016	Wind Speed (kts)	8
139	31 May 2016	Wind Dir	E
139	31 May 2016	Water Color	Greenish-Brown
139	31 May 2016	Wave Ht Low (ft)	4
139	31 May 2016	Wave Period (sec)	16
139	31 May 2016	Sea State	Calm
139	31 May 2016	High Tide (ft)	3.85
139	31 May 2016	High Tide Time	545
139	31 May 2016	Low Tide (ft)	0.57
139	31 May 2016	Low Tide Time	1154
139	31 May 2016	Comments	
140	05 May 2016	Depth (m)	10
140	05 May 2016	Arrive Time	1131
140	05 May 2016	Depart Time	1134
140	05 May 2016	Air Temp (C)	17

I40 Of May 2016 Weather Continuous layer of clouds I40 O5 May 2016 Wind Speed (kts) 9 I40 O5 May 2016 Wind Dir W I40 O5 May 2016 Wind Dir W I40 O5 May 2016 Water Color Brownish-Green I40 O5 May 2016 Kave Period (sec) 13 I40 O5 May 2016 Low Tde (th) 4.75 I40 O5 May 2016 Low Tide (th) 0.22 I40 O5 May 2016 Low Tide (th) 0.22 I40 O5 May 2016 Com Tide (th) 0.22 I40 O5 May 2016 Com Tide (th) 0.22 I40 I0 May 2016 Comments 1037 I40 I0 May 2016 Kir Temp (C) 17 I40 I0 May 2016 Wisbility (mi) 10 I40 I0 May 2016 Wisbility (mi) 10 I40 I0 May 2016 Wisbility (mi) 10 I40 I0 May 2016 Wisbility (mi)	Station	Date	Parameter	Value
I40 05 May 2016 Wind Speed (kts) 9 I40 05 May 2016 Water Color Brownish-Green I40 05 May 2016 Wave Hr.Low (ft) 2 I40 05 May 2016 Wave Period (sec) 13 I40 05 May 2016 Hay Period (sec) 13 I40 05 May 2016 Low Tide (ft) 4.75 I40 05 May 2016 Low Tide (ft) 0.22 I40 05 May 2016 Low Tide (ft) 0.22 I40 10 May 2016 Cornments 1443 I40 10 May 2016 Cornments 100 I40 10 May 2016 Air Temp (C) 17 I40 10 May 2016 Weather Overcast I40 10 May 2016 Wind Speed (kts) 6 I40 10 May 2016 Wind Yote Visiter Color I40 10 May 2016 Wave Period (sec) 16 I40 10 May 2016 Wave Period (sec) 16 I40 10 May 2016 Low Tide (ft) </th <th>140</th> <th>05 May 2016</th> <th>Weather</th> <th>Continuous layer of clouds</th>	140	05 May 2016	Weather	Continuous layer of clouds
I40 O 5May 2016 Wind Speed (kts) 9 I40 05 May 2016 Water Color Brownish-Green I40 05 May 2016 Water Period (sec) 13 I40 05 May 2016 Water Period (sec) 13 I40 05 May 2016 High Tide (th) 4.75 I40 05 May 2016 Low Tide (th) 0.22 I40 05 May 2016 Low Tide (th) 0.22 I40 05 May 2016 Low Tide (th) 0.22 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Water Color 11 I40 10 May 2016 Water Color NE I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016	140	-	Visibility (mi)	-
I40 O S May 2016 Wind Dir W I40 05 May 2016 Wave Picto Color Brownish-Green I40 05 May 2016 Wave Picto (sec) 13 I40 05 May 2016 High Tide (ft) 4,75 I40 05 May 2016 Low Tide (ft) 0.22 I40 05 May 2016 Com Tide (ft) 0.22 I40 05 May 2016 Comments 1443 I40 10 May 2016 Comments 1029 I40 10 May 2016 Comments 1029 I40 10 May 2016 Comments 029 I40 10 May 2016 Weather Overcast I40 10 May 2016 Wind Dir NE I40 10 May 2016 Wind Tirme 1037 I40 10 May 2016 Wind Tirme 1029 I40 10 May 2016 Wind Tirme 1037 I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Water Color Brownish-Green<	140	-		9
IA0 OS May 2016 Water Color Brownish-Green I40 05 May 2016 Wave Pitol (see) 13 I40 05 May 2016 Sea State Calm I40 05 May 2016 High Tide (fft) 0.2 I40 05 May 2016 Low Tide (fft) 0.22 I40 05 May 2016 Com Tide (fft) 0.22 I40 05 May 2016 Comments 1443 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Wather Overcast I40 10 May 2016 Wather Overcast I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Karter Color Brownish-Green I40 10 May 2016		-		W
I40 OS May 2016 Wave Heriod (Sec) 13 I40 OS May 2016 Sea State Calm I40 OS May 2016 High Tide (t) 4.75 I40 OS May 2016 High Tide (t) 4.75 I40 OS May 2016 Low Tide (th) 0.22 I40 OS May 2016 Low Tide time 1443 I40 OS May 2016 Depth (m) 9 I40 10 May 2016 Arive Time 1029 I40 10 May 2016 Vertree Time 1037 I40 10 May 2016 Wirat Frem (C) 17 I40 10 May 2016 Wirat Speed (tk) 6 I40 10 May 2016 Wirat Color Brownish-Green I40 10 May 2016 Ware Protod (scc) 16 I40 10 May 2016 Ware Protod (scc) 16 I40 10 May 2016 Ware Protod (scc) 16 I40 10 May 2016 Low Tide Time 1334 I40 10 May 2016 Low Tide Time		-	Water Color	Brownish-Green
I40 05 May 2016 Wave Period (sec) 13 I40 05 May 2016 High Tide (T) 4.75 I40 05 May 2016 Ligh Tide (T) 0.22 I40 05 May 2016 Low Tide (T) 0.22 I40 05 May 2016 Low Tide Time 1443 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Vertree Time 1037 I40 10 May 2016 Vertree Time 1037 I40 10 May 2016 Vesther Overcast I40 10 May 2016 Visibility (mi) 10 I40 10 May 2016 Vater Color Brownish-Green I40 10 May 2016 Vater Color Brownish-Green I40 10 May 2016 Vater Color State I40 10 May 2016 Low Tide (T) 0.75 I40 10 May 2016 Low Tide (T) 0		-		
140 05 May 2016 Sea State Calm 140 05 May 2016 High Tide (th) 4.75 140 05 May 2016 Low Tide (th) 0.22 140 05 May 2016 Low Tide (th) 0.22 140 05 May 2016 Dow metals 1443 140 10 May 2016 Depth (tm) 9 140 10 May 2016 Arrive Time 1029 140 10 May 2016 Vestmer Overcast 140 10 May 2016 Visibility (tmi) 10 140 10 May 2016 Visibility (tmi) 10 140 10 May 2016 Visibility (tmi) 10 140 10 May 2016 Viard Free (ts) 6 140 10 May 2016 Wind Dir NE 140 10 May 2016 Ware Pricio (sec) 16 140 10 May 2016 Ware Pricio (sec) 16 140 10 May 2016 Low Tide (tt) 3.67 140 10 May 2016 Low Tide (tt) 3.67 140 10 May 2016 Low Tide (tt) 3.67		-	()	
I40 05 May 2016 High Tide (th) 4.75 I40 05 May 2016 Low Tide (th) 0.22 I40 05 May 2016 Low Tide (th) 0.22 I40 05 May 2016 Comments 1443 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Arive Time 1029 I40 10 May 2016 Arive Time 1037 I40 10 May 2016 Vesther Overcast I40 10 May 2016 Visibility (mi) 10 I40 10 May 2016 Valether Overcast I40 10 May 2016 Valether Overcast I40 10 May 2016 Valether Color Brownish-Green I40 10 May 2016 Valer Period (sec) 16 I40 10 May 2016 Valer Period (sec) 16 I40 10 May 2016 Low Tide (th) 3.67 I40 10 May 2016 Low Tide (th) -0.75 I40 10 May 2016 Low Tide (th) -0.75		-		
140 05 May 2016 Low Tide Time (ft) 0.22 140 05 May 2016 Low Tide Time (Time) 1443 140 05 May 2016 Comments 1443 140 10 May 2016 Depth (m) 9 140 10 May 2016 Arrive Time 1029 140 10 May 2016 Arrive Time 1037 140 10 May 2016 Air Temp (C) 17 140 10 May 2016 Weather Overcast 140 10 May 2016 Weather Overcast 140 10 May 2016 Water Color Brownish-Green 140 10 May 2016 Water Color Brownish-Green 140 10 May 2016 Water Period (sec) 16 140 10 May 2016 Water Color Brownish-Green 140 10 May 2016 Low Tide (ft) 3.67 140 10 May 2016 Low Tide Time </td <td></td> <td>-</td> <td></td> <td></td>		-		
I40 05 May 2016 Low Tide (ft) 0.22 I40 05 May 2016 Comments 1443 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Depth (m) 1029 I40 10 May 2016 Depart Time 1037 I40 10 May 2016 Wather Overcast I40 10 May 2016 Wisblity (mi) 10 I40 10 May 2016 Wind Speed (kts) 6 I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Low Tide (ft) -0.75 I40 10 May 2016 Low Tide (ft) -0.75 I40 10 May 2016 Comments 1139 I40 10 May 2016 Comments 1149 I40 16 May 2016 Depth (m) 9 <		•		
I40 05 May 2016 Low Tide Time Comments 1443 I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Arrive Time 1037 I40 10 May 2016 Air Temp (C) 17 I40 10 May 2016 Weather Overcast I40 10 May 2016 Wind Speed (kts) 6 I40 10 May 2016 Wind Dir NE I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Low Tide (ft) 3.67 I40 10 May 2016 Low Tide (ft) 3.67 I40 10 May 2016 Low Tide (ft) 3.67 I40 10 May 2016 Low Tide (ft) -0.75 I40 10 May 2016 Lo		-	-	
I40 05 May 2016 Comments I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Depart Time 1037 I40 10 May 2016 Wather Overcast I40 10 May 2016 Wisbility (mi) 10 I40 10 May 2016 Wind Speed (kts) 6 I40 10 May 2016 Wind Color Rewritsh-Green I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Wave HL tow (th) 4 I40 10 May 2016 Wave Period (sec) 16 I40 10 May 2016 Sea State Wind ripples I40 10 May 2016 Low Tide Time 1334 I40 10 May 2016 Comments 700 I40 10 May 2016 Comments 700 I40 16 May 2016 Comments 1149 I40 16 May 2016 Comments 1149		-	()	
I40 10 May 2016 Depth (m) 9 I40 10 May 2016 Arrive Time 1029 I40 10 May 2016 Air Temp (C) 17 I40 10 May 2016 Visibility (mi) 10 I40 10 May 2016 Visibility (mi) 10 I40 10 May 2016 Visibility (mi) 10 I40 10 May 2016 Wind Dir NE I40 10 May 2016 Water Color Brownish-Green I40 10 May 2016 Wave Period (sec) 16 I40 10 May 2016 Wave Period (sec) 16 I40 10 May 2016 Sea State Wind ripples I40 10 May 2016 Low Tide (th) -0.75 I40 10 May 2016 Low Tide (th) -0.75 I40 10 May 2016 Comments 1139 I40 16 May 2016 Arrive Time 1139 I40 16 May 2016 Air Temp (C) 16 I40 16 May 2016 Visibility (mi) <td< td=""><td></td><td>,</td><td></td><td>0 1 1 1 1 1 1</td></td<>		,		0 1 1 1 1 1 1
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I40 16 May 2016 Wind Speed (kts) 10 I40 16 May 2016 Wind Dir E I40 16 May 2016 Water Color Green I40 16 May 2016 Wave Ht Low (ft) 4 I40 16 May 2016 Wave Ht Low (ft) 4 I40 16 May 2016 Wave Period (sec) 11 I40 16 May 2016 Sea State Confused swell I40 16 May 2016 High Tide (ft) 3.74 I40 16 May 2016 High Tide Time 640 I40 16 May 2016 Low Tide (ft) 0.8 I40 16 May 2016 Low Tide Time 1248 I40 16 May 2016 Comments 1248 I40 16 May 2016 Depth (m) 9 I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	16 May 2016	Weather	Partly Cloudy
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I40 16 May 2016 Water Color Green I40 16 May 2016 Wave Ht Low (ft) 4 I40 16 May 2016 Wave Period (sec) 11 I40 16 May 2016 Sea State Confused swell I40 16 May 2016 High Tide (ft) 3.74 I40 16 May 2016 High Tide (ft) 3.74 I40 16 May 2016 High Tide (ft) 0.8 I40 16 May 2016 Low Tide (ft) 0.8 I40 16 May 2016 Low Tide (ft) 1248 I40 16 May 2016 Comments 1248 I40 16 May 2016 Comments 1217 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	16 May 2016	Wind Speed (kts)	
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I40 16 May 2016 Sea State Confused swell I40 16 May 2016 High Tide (ft) 3.74 I40 16 May 2016 High Tide (ft) 640 I40 16 May 2016 Low Tide (ft) 0.8 I40 16 May 2016 Low Tide Time 1248 I40 16 May 2016 Comments 1248 I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	16 May 2016	Wave Ht Low (ft)	4
140 16 May 2016 High Tide (ft) 3.74 140 16 May 2016 High Tide Time 640 140 16 May 2016 Low Tide (ft) 0.8 140 16 May 2016 Low Tide Time 1248 140 16 May 2016 Comments 1248 140 22 May 2016 Depth (m) 9 140 22 May 2016 Arrive Time 1217 140 22 May 2016 Depart Time 1221 140 22 May 2016 Air Temp (C) 16	140	16 May 2016	Wave Period (sec)	11
140 16 May 2016 High Tide Time 640 140 16 May 2016 Low Tide (ft) 0.8 140 16 May 2016 Low Tide Time 1248 140 16 May 2016 Comments 1248 140 22 May 2016 Depth (m) 9 140 22 May 2016 Arrive Time 1217 140 22 May 2016 Depart Time 1221 140 22 May 2016 Air Temp (C) 16	140	16 May 2016	Sea State	Confused swell
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I40 16 May 2016 Low Tide (ft) 0.8 I40 16 May 2016 Low Tide Time 1248 I40 16 May 2016 Comments 1248 I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	16 May 2016	High Tide Time	640
I40 16 May 2016 Low Tide Time 1248 I40 16 May 2016 Comments 140 I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	16 May 2016	Low Tide (ft)	0.8
I40 16 May 2016 Comments I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	-		
I40 22 May 2016 Depth (m) 9 I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16		-		
I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16				
I40 22 May 2016 Arrive Time 1217 I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16	140	22 May 2016	Depth (m)	9
I40 22 May 2016 Depart Time 1221 I40 22 May 2016 Air Temp (C) 16				
I40 22 May 2016 Air Temp (C) 16		-		
		-	-	
I40 22 May 2016 Weather Partly Cloudy	140	22 May 2016	Weather	Partly Cloudy

Station	Date	Parameter	Value
140	22 May 2016	Visibility (mi)	4
I40	22 May 2016	Wind Speed (kts)	8
I40	22 May 2016	Wind Dir	W
I40	22 May 2016	Water Color	Green
I40	22 May 2016	Wave Ht Low (ft)	3
I40	22 May 2016	Wave Period (sec)	9
I40	22 May 2016	Sea State	Light chop
I40	22 May 2016	High Tide (ft)	3.71
I40	22 May 2016	High Tide Time	1038
I40	22 May 2016	Low Tide (ft)	-0.45
I40	22 May 2016	Low Tide Time	429
I40	22 May 2016	Comments	
I40	31 May 2016	Depth (m)	9
I40	31 May 2016	Arrive Time	1157
I40	31 May 2016	Depart Time	1200
I40	31 May 2016	Air Temp (C)	16
I40	31 May 2016	Weather	Continuous layer of clouds
I40	31 May 2016	Visibility (mi)	6
I40	31 May 2016	Wind Speed (kts)	7
I40	31 May 2016	Wind Dir	NW
I40	31 May 2016	Water Color	Brown
I40	31 May 2016	Wave Ht Low (ft)	4
I40	31 May 2016	Wave Period (sec)	16
I40	31 May 2016	Sea State	Light chop
140	31 May 2016	High Tide (ft)	3.85
I40	31 May 2016	High Tide Time	545
I40	31 May 2016	Low Tide (ft)	0.57
I40	31 May 2016	Low Tide Time	1154
I40	31 May 2016	Comments	

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

24.3 24.3 24.3 24.4 24.5 24.5 24.5 24.6 24.9 25.0 25.1	1.28 1.35 1.45 1.69 1.86 2.10 2.59 3.29 3.23
24.3 24.4 24.5 24.5 24.6 24.9 25.0	1.45 1.69 1.86 2.10 2.59 3.29
24.4 24.5 24.5 24.6 24.9 25.0	1.69 1.86 2.10 2.59 3.29
24.5 24.5 24.6 24.9 25.0	1.86 2.10 2.59 3.29
24.5 24.6 24.9 25.0	2.10 2.59 3.29
24.6 24.9 25.0	2.59 3.29
24.6 24.9 25.0	2.59 3.29
24.9 25.0	3.29
25.0	
	2.77
24.1	2.13
24.2	2.22
24.3	2.89
	5.11
	7.20
	6.35
	5.20
	4.18
	3.41
	3.04
24.0	0.04
24.4	1.17
	1.19
	1.30
	1.46
	1.72
	2.17
	2.84
	3.77
	4.62
	5.06
21.0	0.00
24.2	0.81
	0.82
	0.83
	0.84
	0.90
	1.14
	1.37
	1.56
	1.85
	2.84
27.7	2.04
24.4	5.89
	10.27
	19.27
	25.97
	19.38
	10.68
	6.96
	$\begin{array}{c} 24.3 \\ 24.4 \\ 24.5 \\ 24.6 \\ 24.8 \\ 24.8 \\ 24.8 \\ 24.4 \\ 24.4 \\ 24.4 \\ 24.4 \\ 24.4 \\ 24.4 \\ 24.4 \\ 24.5 \\ 24.5 \\ 24.6 \\ 24.2 \\ 24.2 \\ 24.2 \\ 24.2 \\ 24.2 \\ 24.2 \\ 24.2 \\ 24.3 \\ 24.3 \\ 24.3 \\ 24.3 \\ 24.3 \\ 24.3 \\ 24.4 \\ 24.5 \\ 24.9 \\ 24.9 \\ 24.9 \\ 24.9 \\ 24.9 \end{array}$

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (µg/L)
I19	31 May 2016	8	14.19	63.81	5.8	33.50	8.0	25.0	5.20
I19	31 May 2016	9	14.17	63.28	5.7	33.49	8.0	25.0	4.40
I19	31 May 2016	10	14.19	62.34	5.8	33.49	8.0	25.0	4.05
124	05 May 2016	1	17.67	69.25	8.7	33.57	8.3	24.3	4.95
124	05 May 2016	2	17.66	68.92	8.8	33.57	8.3	24.3	5.47
124	05 May 2016	3	17.64	68.70	8.7	33.57	8.3	24.3	6.27
124	05 May 2016	4	17.62	68.81	8.6	33.57	8.3	24.3	6.70
124	05 May 2016	5	17.53	68.07	8.4	33.57	8.2	24.3	7.29
124	05 May 2016	6	17.40	66.75	8.3	33.56	8.2	24.3	7.51
124	05 May 2016	7	17.34	64.78	8.0	33.56	8.2	24.3	8.21
124	05 May 2016	8	16.84	61.48	7.2	33.56	8.2	24.4	8.71
124	05 May 2016	9	16.00	65.09	6.0	33.53	8.1	24.6	7.29
124	05 May 2016	10	14.42	64.57	4.9	33.52	8.0	25.0	4.00
10.4	10.14 00.10		17.00	10.00					0.00
124	10 May 2016	1	17.02	40.62	7.5	33.20	8.1	24.1	3.22
124	10 May 2016	2	16.88	41.05	7.2	33.26	8.1	24.2	3.60
124	10 May 2016	3	16.37	43.30	6.7	33.38	8.1	24.4	3.07
124	10 May 2016	4	15.78	54.19	6.4	33.46	8.0	24.6	2.34
124	10 May 2016	5	15.74	58.09	6.4	33.45	8.0	24.6	2.15
124	10 May 2016	6	15.68	60.84	6.4	33.45	8.0	24.6	2.06
124	10 May 2016	7	15.61	62.32	6.4	33.45	8.0	24.6	1.90
124	10 May 2016	8	15.41	63.91	6.4	33.46	8.0	24.7	1.79
124	10 May 2016	9	15.03	62.69	6.5	33.47	8.0	24.8	1.74
124	10 May 2016	10	14.95	56.12	6.4	33.47	8.0	24.8	1.71
124	16 May 2016	1	17.07	75.62	7.7	33.51	8.2	24.4	0.81
124	16 May 2016	2	17.07	75.71	7.7	33.51	8.2	24.4	0.84
124	16 May 2016	3	17.07	75.93	7.7	33.51	8.2	24.4	0.86
124	16 May 2016	4	17.07	75.93	7.7	33.51	8.2	24.4	0.94
124	16 May 2016	5	17.07	75.96	7.7	33.51	8.2	24.4	1.04
124	16 May 2016	6	17.03	74.32	7.6	33.51	8.2	24.4	1.21
124	16 May 2016	7	16.99	73.19	7.6	33.51	8.2	24.4	1.44
124	16 May 2016	8	16.89	72.84	7.5	33.51	8.2	24.4	1.66
124	16 May 2016	9	16.82	62.98	7.6	33.51	8.2	24.4	1.78
124	16 May 2016	10	16.78	54.89	7.6	33.51	8.2	24.4	1.83
				0.100			0		
124	22 May 2016	1	18.01	82.55	7.9	33.57	8.2	24.2	0.67
124	22 May 2016	2	18.02	82.67	7.8	33.57	8.2	24.2	0.68
124	22 May 2016	3	18.01	82.33	7.8	33.57	8.2	24.2	0.71
124	22 May 2016	4	17.91	81.74	7.7	33.57	8.2	24.2	0.76
124	22 May 2016	5	17.84	82.49	7.8	33.57	8.2	24.2	0.78
124	22 May 2016	6	17.79	82.59	7.9	33.56	8.2	24.2	0.84
124	22 May 2016	7	17.71	82.57	7.8	33.56	8.2	24.2	0.88
124	22 May 2016	8	17.31	81.86	7.7	33.56	8.2	24.3	0.98
124	22 May 2016	9	16.94	79.42	7.1	33.53	8.2	24.4	1.14
124	22 May 2016	10	15.17	70.35	5.8	33.51	8.0	24.8	1.50
124	22 May 2016	11	14.56	68.72	5.7	33.49	8.0	24.9	1.73
124	31 May 2016	1	17.00	63.89	7.8	33.53	8.2	24.4	3.59
124	31 May 2016	2	16.86	63.96	7.7	33.53	8.2	24.4	3.81
124	31 May 2016	3	16.37	62.21	7.3	33.51	8.1	24.5	5.11
124	31 May 2016	4	15.31	62.16	6.9	33.52	8.1	24.8	6.11
124	31 May 2016	5	14.67	66.32	6.6	33.51	8.1	24.9	5.88
124	31 May 2016	6	14.31	69.22	6.3	33.49	8.0	25.0	5.15

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS ($\%$)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
124	31 May 2016	7	14.13	66.92	5.9	33.49	8.0	25.0	4.74
124	31 May 2016	8	13.77	67.40	5.3	33.49	8.0	25.1	4.39
124	31 May 2016	9	13.32	62.16	4.8	33.49	7.9	25.2	3.75
124	31 May 2016	10	13.14	60.32	4.5	33.49	7.9	25.2	3.23
124	31 May 2016	11	13.11	60.31	4.5	33.49	7.9	25.2	3.02
125	05 May 2016	1	17.67	73.67	8.4	33.57	8.2	24.3	2.08
125	05 May 2016	2	17.67	73.56	8.4	33.57	8.2	24.3	2.15
125	05 May 2016	3	17.66	73.63	8.4	33.57	8.2	24.3	2.40
125	05 May 2016	4	17.63	72.68	8.3	33.57	8.2	24.3	2.84
125	05 May 2016	5	17.59	71.77	8.1	33.57	8.2	24.3	3.27
125	05 May 2016	6	17.44	68.98	7.6	33.57	8.2	24.3	3.74
125	05 May 2016	7	17.00	66.35	6.5	33.55	8.2	24.4	4.00
125	05 May 2016	8	14.40	68.95	5.0	33.59	8.0	25.0	3.59
125	05 May 2016	9	13.95	70.77	4.7	33.51	7.9	25.0	2.31
		C C	10100					2010	
125	10 May 2016	1	17.61	69.83	8.6	33.39	8.2	24.1	2.09
125	10 May 2016	2	17.54	68.63	8.5	33.40	8.2	24.2	2.72
125	10 May 2016	3	17.50	66.49	8.4	33.39	8.2	24.2	4.15
125	10 May 2016	4	17.46	65.81	8.2	33.39	8.2	24.2	5.12
125	10 May 2016	5	17.14	63.15	7.6	33.41	8.2	24.3	7.10
125	10 May 2016	6	16.09	54.45	7.0	33.47	8.1	24.6	11.82
125	10 May 2010	7	15.42	65.91	7.0	33.48	8.1	24.7	9.91
125	10 May 2010	8	15.39	73.32	6.9	33.47	8.1	24.7	5.72
125	10 May 2016	9	15.43		7.1			24.7	3.50
120	10 May 2016	9	15.45	68.49	7.1	33.47	8.1	24.7	3.50
125	16 May 2016	1	17.16	80.49	7.9	33.52	8.2	24.3	0.70
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125	16 May 2016	2	17.16	81.21	7.9	33.52	8.2	24.3	0.72
125	16 May 2016	3	17.16	81.22	7.8	33.52	8.2	24.3	0.73
125	16 May 2016	4	17.14	80.83	7.9	33.52	8.2	24.3	0.78
125	16 May 2016	5	17.13	80.59	7.8	33.52	8.2	24.3	0.85
125	16 May 2016	6	17.07	79.78	7.6	33.52	8.2	24.4	0.95
125	16 May 2016	7	17.04	78.98	7.6	33.52	8.2	24.4	1.09
125	16 May 2016	8	16.68	69.32	7.6	33.52	8.2	24.5	1.33
105	00 14-1 0040		47 70	04.04	7.0	00.50		04.0	0.70
125	22 May 2016	1	17.73	81.94	7.9	33.56	8.2	24.2	0.73
125	22 May 2016	2	17.71	81.93	7.9	33.56	8.2	24.2	0.75
125	22 May 2016	3	17.69	81.97	7.9	33.56	8.2	24.2	0.80
125	22 May 2016	4	17.66	81.98	7.8	33.56	8.2	24.3	0.87
125	22 May 2016	5	17.62	82.13	7.8	33.56	8.2	24.3	0.91
125	22 May 2016	6	17.59	82.17	7.9	33.56	8.2	24.3	0.96
125	22 May 2016	7	17.56	82.14	7.8	33.56	8.2	24.3	0.98
125	22 May 2016	8	17.08	81.14	7.4	33.55	8.2	24.4	1.05
125	22 May 2016	9	16.13	79.61	7.0	33.53	8.1	24.6	1.10
16-						aa			
125	31 May 2016	1	17.58	63.58	8.1	33.55	8.2	24.3	5.31
125	31 May 2016	2	17.62	64.76	8.1	33.55	8.2	24.3	5.16
125	31 May 2016	3	17.32	62.47	8.2	33.55	8.2	24.3	7.53
125	31 May 2016	4	17.15	56.04	7.8	33.54	8.2	24.4	11.28
125	31 May 2016	5	15.63	55.43	6.9	33.54	8.1	24.7	13.76
125	31 May 2016	6	14.70	64.57	6.1	33.50	8.0	24.9	8.90
125	31 May 2016	7	14.68	66.27	5.8	33.48	8.0	24.9	5.61
125	31 May 2016	8	13.68	64.93	5.2	33.50	8.0	25.1	4.19
125	31 May 2016	9	13.54	64.44	5.0	33.48	7.9	25.1	3.68

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
126	05 May 2016	1	17.52	75.14	8.6	33.56	8.2	24.3	2.45
126	05 May 2016	2	17.52	74.83	8.6	33.56	8.2	24.3	2.48
126	05 May 2016	3	17.51	74.31	8.6	33.56	8.2	24.3	2.89
126	05 May 2016	4	17.51	73.92	8.6	33.56	8.2	24.3	3.27
126	05 May 2016	5	17.38	70.73	8.3	33.56	8.2	24.3	4.40
126	05 May 2016	6	17.27	67.75	7.8	33.55	8.2	24.3	5.37
126	05 May 2016	7	15.86	66.49	6.2	33.56	8.1	24.7	5.95
126	05 May 2016	8	14.78	73.58	5.4	33.51	8.0	24.9	4.25
126	05 May 2016	9	13.78	73.99	5.2	33.53	8.0	25.1	3.16
126	10 May 2016	1	17.67	72.30	8.8	33.37	8.3	24.1	2.26
126	10 May 2016	2	17.51	71.93	8.3	33.38	8.3	24.2	3.43
126	10 May 2016	3	16.60	61.54	7.6	33.45	8.2	24.4	15.79
126	10 May 2016	4	16.04	57.82	7.3	33.47	8.1	24.6	17.34
126	10 May 2016	5	15.30	74.12	7.3	33.48	8.1	24.7	10.37
126	10 May 2016	6	15.04	76.45	7.4	33.47	8.1	24.8	7.12
126	10 May 2016	7	14.87	76.10	7.0	33.47	8.1	24.8	5.47
126	10 May 2016	8	14.83	76.12	6.7	33.47	8.0	24.8	4.03
126	10 May 2016	9	14.82	75.64	6.6	33.47	8.0	24.8	3.34
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126	16 May 2016	1	17.21	81.26	7.9	33.52	8.2	24.3	0.68
126	16 May 2016	2	17.21	81.35	7.9	33.52	8.2	24.3	0.70
126	16 May 2016	3	17.21	81.69	7.9	33.52	8.2	24.3	0.70
126	16 May 2016	4	17.20	81.62	7.9	33.52	8.2	24.3	0.73
126	16 May 2016	5	17.15	80.71	7.9	33.52	8.2	24.3	0.86
126	16 May 2016	6	17.13	80.69	7.9	33.52	8.2	24.3	0.98
126	16 May 2016	7	17.16	80.96	7.9	33.52	8.2	24.3	1.00
126	16 May 2016	8	17.04	77.45	7.9	33.52	8.2	24.4	1.10
126	16 May 2016	9	16.87	75.04	7.5	33.52	8.2	24.4	1.26
126	22 May 2016	1	18.01	80.83	7.8	33.57	8.2	24.2	0.65
126	22 May 2016	2	18.00	82.17	7.8	33.54	8.2	24.2	0.66
126	22 May 2016	3	17.73	82.40	7.9	33.57	8.2	24.2	0.71
126	22 May 2016	4	17.59	82.41	8.0	33.56	8.2	24.3	0.80
126	22 May 2016	5	17.58	82.19	7.9	33.56	8.2	24.3	0.86
126	22 May 2016	6	17.51	82.26	7.9	33.55	8.2	24.3	0.97
126	22 May 2016	7	17.39	81.24	7.8	33.55	8.2	24.3	1.05
126	22 May 2016	8	17.19	79.01	7.6	33.54	8.2	24.3	1.09
126	22 May 2016	9	16.52	72.11	7.1	33.53	8.1	24.5	1.18
126	31 May 2016	1	18.02	72.00	8.1	33.56	8.2	24.2	1.87
126	31 May 2016	2	17.95	71.38	8.1	33.56	8.2	24.2	2.07
126	31 May 2016	3	17.94	71.29	8.0	33.56	8.2	24.2	2.29
126	31 May 2016	4	17.60	70.86	7.7	33.55	8.2	24.3	3.01
126	31 May 2016	5	16.47	66.20	7.4	33.54	8.2	24.5	5.38
126	31 May 2016	6	15.88	65.81	6.7	33.51	8.1	24.6	6.72
126	31 May 2016	7	14.48	69.52	6.1	33.51	8.0	24.9	5.49
126	31 May 2016	8	13.67	73.34	5.9	33.49	8.0	25.1	3.81
126	31 May 2016	9	13.13	76.94	6.0	33.48	8.0	25.2	3.15
120	05 May 2010	4	17.05	70.40	0.0	22 50	0.0	24.0	2.00
132	05 May 2016	1	17.85 17.85	72.42	8.6 8.6	33.58	8.3 8.3	24.2	2.06
132	05 May 2016	2	17.85 17.85	72.32	8.6 8.5	33.58	8.3 8.3	24.2	2.32
132 132	05 May 2016 05 May 2016	3	17.85 17.81	72.36 71.81	8.5 8.5	33.58	8.3 8.3	24.2 24.2	2.38 2.85
132	05 May 2016 05 May 2016	4 5	17.81 17.78	71.81	8.5 8.5	33.58 33.58	8.3 8.2	24.2 24.2	2.85 3.11
132	00 Way 2010	5	11.10	11.13	0.0	33.30	0.2	24.2	3.11
Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (µg/L)
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132	05 May 2016	6	17.78	71.10	8.4	33.58	8.2	24.2	3.35
132	05 May 2016	7	17.72	69.95	8.3	33.58	8.2	24.2	3.61
132	05 May 2016	8	17.68	69.04	8.2	33.57	8.2	24.3	3.71
132	05 May 2016	9	17.51	65.78	8.0	33.58	8.2	24.3	4.43
132	05 May 2016	10	17.44	61.54	8.1	33.57	8.2	24.3	5.36
132	11 May 2016	1	16.88	65.58	7.4	33.45	8.2	24.4	2.41
132	11 May 2016	2	16.38	63.52	6.9	33.45	8.2	24.5	2.83
132	11 May 2016	3	15.52	63.87	6.5	33.48	8.1	24.7	3.36
132	11 May 2016	4	15.05	70.00	6.0	33.48	8.0	24.8	3.26
132	11 May 2016	5	14.87	68.74	5.7	33.48	8.0	24.8	3.07
132	11 May 2016	6	14.79	68.96	5.5	33.47	8.0	24.8	2.87
132	11 May 2016	7	14.75	65.62	5.4	33.47	8.0	24.8	2.67
132	11 May 2016	8	14.75	60.98	5.3	33.47	8.0	24.8	2.42
132	11 May 2010	9	14.73	56.67	5.4	33.48	8.0	24.9	2.45
152	11 May 2010	9	14.75	50.07	5.4	55.40	0.0	24.5	2.45
132	16 May 2016	1	17.30	81.08	7.9	33.52	8.2	24.3	0.68
132	16 May 2016	1	17.30	81.34	8.0	33.52 33.52	0.2 8.2	24.3 24.3	0.00
	16 May 2016								
132		3	17.28	81.11	8.0	33.52	8.2	24.3	0.75
132	16 May 2016	4	17.22	77.99	7.9	33.52	8.2	24.3	0.87
132	16 May 2016	5	17.19	75.81	7.9	33.51	8.2	24.3	1.01
132	16 May 2016	6	17.14	77.20	8.0	33.52	8.2	24.3	1.13
132	16 May 2016	7	17.12	77.02	7.9	33.51	8.2	24.3	1.23
132	16 May 2016	8	16.96	65.94	7.8	33.51	8.2	24.4	1.59
132	16 May 2016	9	16.81	54.20	7.8	33.50	8.2	24.4	2.49
132	22 May 2016	1	18.29	77.10	7.8	33.57	8.2	24.1	0.80
132	22 May 2016	2	18.27	76.92	7.8	33.57	8.2	24.1	0.83
132	22 May 2016	3	18.25	76.94	7.8	33.57	8.2	24.1	0.89
132	22 May 2016	4	18.23	76.80	7.8	33.57	8.2	24.1	0.97
132	22 May 2016	5	18.18	76.50	7.8	33.57	8.2	24.1	1.07
132	22 May 2016	6	18.17	76.30	7.8	33.57	8.2	24.1	1.16
132	22 May 2016	7	18.16	76.13	7.8	33.57	8.2	24.1	1.25
132	22 May 2016	8	18.15	74.45	7.7	33.57	8.2	24.1	1.38
132	22 May 2016	9	18.12	70.42	7.6	33.57	8.2	24.1	1.55
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132	31 May 2016	1	17.79	67.54	8.1	33.56	8.2	24.2	2.58
132	31 May 2016	2	17.76	67.29	8.0	33.55	8.2	24.2	2.72
132	31 May 2016	3	17.59	65.23	8.0	33.55	8.2	24.3	3.70
132	31 May 2016	4	17.50	62.76	7.9	33.55	8.2	24.3	4.69
132	31 May 2016	5	17.39	61.33	7.8	33.55	8.2	24.3	5.16
132	31 May 2016	6	17.34	61.04	7.8	33.55	8.2	24.3	5.13
132	31 May 2016	7	17.29	60.82	7.7	33.54	8.2	24.3	4.93
132	31 May 2016	8	17.23	60.40	7.6	33.54	8.2	24.3	4.78
132	31 May 2016	9	17.06	58.05	7.1	33.53	8.2	24.4	4.87
132	31 May 2010	10	14.60	28.77	6.9	33.61	8.1	24.4	5.39
152	51 Way 2010		17.00	20.11	0.3	00.01	0.1	20.0	5.59
139	05 May 2016	1	17.31	78.98	8.3	33 56	8.2	24.3	0.98
139	-	1	17.31	78.98 78.93	8.3	33.56 33.56	8.2 8.2	24.3 24.3	0.98
	05 May 2016	2				33.56			
139	05 May 2016	3	17.27	78.91	8.2	33.56	8.2	24.3	1.10
139	05 May 2016	4	17.24	78.88	8.2	33.56	8.2	24.3	1.26
139	05 May 2016	5	16.98	79.65	7.9	33.55	8.2	24.4	1.60
139	05 May 2016	6	16.31	76.35	7.3	33.53	8.2	24.5	2.46
139	05 May 2016	7	15.05	76.59	6.5	33.52	8.1	24.8	3.00
139	05 May 2016	8	14.92	77.25	6.3	33.50	8.1	24.8	3.06

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
139	05 May 2016	9	14.80	77.61	6.3	33.49	8.1	24.9	3.22
139	05 May 2016	10	14.62	78.18	6.2	33.49	8.1	24.9	3.14
139	05 May 2016	11	14.59	78.30	6.1	33.50	8.0	24.9	2.90
139	05 May 2016	12	14.59	78.33	6.1	33.50	8.0	24.9	2.75
139	05 May 2016	13	14.59	78.35	6.1	33.50	8.0	24.9	2.87
139	05 May 2016	14	14.54	78.29	6.0	33.51	8.0	24.9	2.82
139	05 May 2016	15	14.26	78.58	5.6	33.51	8.0	25.0	2.40
139	05 May 2016	16	13.47	79.72	5.0	33.52	8.0	25.2	2.08
139	05 May 2016	17	13.22	79.61	4.8	33.51	7.9	25.2	1.84
139	05 May 2016	18	13.19	79.87	4.8	33.50	7.9	25.2	1.76
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139	10 May 2016	1	17.75	75.59	8.5	33.39	8.2	24.1	2.16
139	10 May 2016	2	17.19	75.54	8.4	33.42	8.2	24.3	3.45
139	10 May 2016	3	16.61	75.13	8.3	33.45	8.2	24.4	5.37
139	10 May 2016	4	16.50	75.14	8.2	33.44	8.2	24.4	6.21
139	10 May 2016	5	16.13	75.73	8.0	33.46	8.1	24.5	5.69
139	10 May 2016	6	15.76	78.17	7.6	33.47	8.1	24.6	4.85
139	10 May 2016	7	15.61	78.40	7.2	33.46	8.1	24.7	3.62
139	10 May 2016	8	15.45	78.04	7.1	33.47	8.1	24.7	3.26
139	10 May 2016	9	15.39	78.38	7.1	33.46	8.1	24.7	3.28
139	10 May 2016	10	15.18	78.91	7.0	33.47	8.1	24.8	2.93
139	10 May 2016	11	14.98	78.80	6.5	33.48	8.0	24.8	2.66
139	10 May 2016	12	14.81	78.45	6.1	33.48	8.0	24.8	2.22
139	10 May 2016	13	14.61	78.27	6.0	33.48	8.0	24.9	2.06
139	10 May 2010	14	14.49	78.22	6.1	33.48	8.0	24.9	1.99
139	10 May 2010	14	14.49	78.04	6.0	33.48	8.0	24.9	2.02
139	10 May 2010	16	14.40	77.65	6.0	33.48	8.0	24.9	2.02
139	10 May 2010	17	14.21	76.84	6.0	33.48	8.0	25.0	1.99
139	10 May 2016	18	14.18	76.21	6.0	33.48	8.0	25.0 25.0	1.99
139	10 May 2010	10	14.14	10.21	0.0	55.40	0.0	25.0	1.94
139	16 May 2016	1	17.16	80.66	8.0	33.52	8.2	24.3	0.87
139	16 May 2016	2	17.16	81.51	8.0	33.52	8.2	24.3	0.91
139	16 May 2016	3	17.16	81.43	8.0	33.52	8.2	24.3	0.95
139	16 May 2016	4	17.15	82.00	7.9	33.52	8.2	24.3	1.02
139	16 May 2016	5	17.15	81.89	8.0	33.52	8.2	24.3	1.02
139	16 May 2016	6	17.15	81.96	7.9	33.52	8.2	24.3	1.10
139	16 May 2016	7	17.14	81.84	8.0	33.52	8.2	24.3	1.28
139	16 May 2016	8	17.14	81.74	8.0	33.52	8.2	24.3	1.55
139	16 May 2016	9	17.13	81.74	7.9	33.52	8.2	24.4	1.76
139	16 May 2016	10	16.99	79.97	7.9	33.52	8.2	24.4	2.72
139	16 May 2016	11	16.61	75.23	7.8	33.52	8.2	24.5	4.23
139	16 May 2016	12	16.15	75.08	7.7	33.51	8.2	24.5	4.23
139	16 May 2016	12	15.46	75.08	7.5	33.50	8.2	24.0 24.7	4.59
139	16 May 2016 16 May 2016	13	15.46	72.44	7.5 7.2	33.50 33.46	8.2 8.1	24.7 24.8	4.70 4.63
139	16 May 2016	14	14.38	72.60	6.8	33.40 33.42	8.1	24.8 24.9	4.03
139	-						8.0		
	16 May 2016	16	14.03	73.74	6.5	33.38		24.9 25.0	3.88 2.57
139	16 May 2016	17	14.04	73.30	6.4	33.41	8.0	25.0	3.57
139	16 May 2016	18	13.83	68.53	6.1	33.46	8.0	25.0	2.83
139	22 May 2016	1	17.30	81.23	8.0	33.55	8.2	24.3	0.92
139	22 May 2010 22 May 2016	2	17.29	81.22	8.0	33.55	8.2	24.3	0.92
139	22 May 2010 22 May 2016	3	17.23	81.17	8.0	33.55	8.2	24.3	1.00
139	22 May 2010 22 May 2016	4	17.20	81.18	8.0	33.55	8.2	24.3	1.07
139	22 May 2016 22 May 2016	5	17.20	81.22	7.9	33.55	8.2	24.4	1.18
139	22 May 2016 22 May 2016	6	16.78	80.89	7.8	33.54	8.2	24.4	1.10
108	22 Way 2010	0	10.70	00.09	1.0	55.54	0.2	24.4	1.42

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
139	22 May 2016	7	16.33	79.28	7.5	33.52	8.2	24.5	1.88
139	22 May 2016	8	16.04	78.05	7.4	33.51	8.1	24.6	2.45
139	22 May 2016	9	15.83	77.00	7.2	33.50	8.1	24.6	3.24
139	22 May 2016	10	15.53	78.10	6.9	33.49	8.1	24.7	3.13
139	22 May 2016	11	15.09	78.33	6.5	33.49	8.1	24.8	2.87
139	22 May 2016	12	14.97	78.77	6.4	33.48	8.1	24.8	2.54
139	22 May 2016	13	14.71	79.31	6.0	33.48	8.0	24.9	2.42
139	22 May 2016	14	13.43	79.33	5.3	33.49	8.0	25.1	2.00
139	22 May 2016	15	13.50	79.29	5.2	33.47	7.9	25.1	1.84
139	22 May 2016	16	13.02	79.70	5.1	33.48	7.9	25.2	1.81
139	22 May 2016	17	12.92	80.50	5.0	33.48	7.9	25.2	1.80
139	22 May 2016	18	13.00	80.42	5.0	33.47	7.9	25.2	1.77
139	31 May 2016	1	17.78	77.33	8.0	33.57	8.2	24.2	1.28
139	31 May 2016	2	17.74	77.22	8.0	33.56	8.2	24.2	1.37
139	31 May 2016	3	17.14	77.29	8.1	33.56	8.2	24.4	1.65
139	31 May 2016	4	16.15	76.01	8.4	33.53	8.2	24.6	2.40
139	31 May 2016	5	15.06	73.22	8.6	33.51	8.2	24.8	3.33
139	31 May 2016	6	14.59	71.80	8.5	33.49	8.2	24.9	4.22
139	-	7	14.39	70.95	8.5 8.5	33.49 33.49	8.2	24.9 25.0	4.22 5.14
	31 May 2016								
139	31 May 2016	8	14.25	70.81	8.3	33.49	8.2	25.0	5.92
139	31 May 2016	9	14.03	71.78	7.2	33.48	8.1	25.0	5.75
139	31 May 2016	10	13.44	74.15	5.9	33.49	8.0	25.1	5.11
139	31 May 2016	11	12.99	76.71	5.4	33.49	8.0	25.2	3.63
139	31 May 2016	12	12.59	78.72	5.1	33.49	7.9	25.3	3.03
139	31 May 2016	13	12.16	80.93	4.8	33.50	7.9	25.4	2.49
139	31 May 2016	14	12.04	81.55	4.6	33.50	7.9	25.4	2.03
139	31 May 2016	15	11.97	81.68	4.6	33.50	7.9	25.4	1.89
139	31 May 2016	16	11.92	81.97	4.6	33.50	7.9	25.4	1.81
139	31 May 2016	17	11.82	82.03	4.6	33.50	7.9	25.5	1.69
139	31 May 2016	18	11.82	81.74	4.6	33.50	7.9	25.5	1.61
I40	05 May 2016	1	17.62	69.96	8.4	33.57	8.2	24.3	3.00
I40	05 May 2016	2	17.63	69.75	8.3	33.57	8.2	24.3	3.18
I40	05 May 2016	3	17.56	69.08	8.3	33.57	8.2	24.3	3.76
I40	05 May 2016	4	17.51	68.65	8.2	33.57	8.2	24.3	4.33
I40	05 May 2016	5	17.43	68.37	8.1	33.57	8.2	24.3	4.60
I40	05 May 2016	6	17.27	68.09	8.0	33.57	8.2	24.4	4.90
I40	05 May 2016	7	17.00	67.12	7.7	33.56	8.2	24.4	4.59
I40	05 May 2016	8	16.87	66.30	7.5	33.56	8.2	24.4	4.20
140	05 May 2016	9	16.58	64.35	6.7	33.55	8.2	24.5	3.63
140	05 May 2016	10	14.44	45.16	5.4	33.66	8.0	25.1	3.42
						-			
I40	10 May 2016	1	16.38	59.12	7.9	33.37	8.1	24.4	3.21
I40	10 May 2016	2	16.32	58.32	7.8	33.37	8.1	24.4	3.37
140	10 May 2016	3	15.95	59.44	7.8	33.44	8.1	24.6	3.37
140	10 May 2016	4	15.77	63.31	7.6	33.44	8.1	24.6	3.54
140	10 May 2016	5	15.66	62.40	7.3	33.45	8.1	24.6	3.57
140	10 May 2016	6	15.54	60.66	7.0	33.45	8.1	24.7	3.29
140	10 May 2016	7	15.44	57.67	6.7	33.45	8.0	24.7	3.06
140	10 May 2016	8	15.37	56.19	6.5	33.46	8.0	24.7	2.78
140	10 May 2010	9	15.23	53.62	6.3	33.46	8.0	24.7	2.70
I40 I40	10 May 2016	10	15.23	46.19	6.3	33.40 33.47	8.0 8.0	24.7	2.70
1-10	10 10 20 10		10.07		0.0	00.77	0.0	27.0	2.00
I40	16 May 2016	1	17.07	76.13	8.1	33.52	8.2	24.4	1.36
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Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
I40	16 May 2016	2	17.07	76.29	8.1	33.52	8.2	24.4	1.41
I40	16 May 2016	3	17.05	75.83	8.1	33.52	8.2	24.4	1.49
I40	16 May 2016	4	17.05	75.56	8.1	33.52	8.2	24.4	1.65
I40	16 May 2016	5	17.02	74.44	8.0	33.52	8.2	24.4	1.92
I40	16 May 2016	6	17.00	73.02	8.0	33.52	8.2	24.4	2.35
I40	16 May 2016	7	16.98	71.56	7.9	33.52	8.2	24.4	2.72
I40	16 May 2016	8	16.96	70.60	7.8	33.52	8.2	24.4	2.91
140	16 May 2016	9	16.65	56.60	7.8	33.52	8.2	24.5	3.39
I40	22 May 2016	1	18.14	73.90	7.8	33.56	8.2	24.1	0.72
I40	22 May 2016	2	18.16	71.41	7.8	33.30	8.2	23.9	0.73
I40	22 May 2016	3	18.14	75.84	7.8	33.55	8.2	24.1	0.76
I40	22 May 2016	4	17.97	73.75	7.8	33.56	8.2	24.2	0.96
140	22 May 2016	5	17.75	71.90	7.4	33.55	8.2	24.2	1.19
140	22 May 2016	6	16.73	66.76	6.9	33.54	8.1	24.5	1.74
I40	22 May 2016	7	16.38	61.35	7.0	33.51	8.1	24.5	2.73
140	22 May 2016	8	15.75	61.92	7.2	33.48	8.1	24.6	4.80
140	22 May 2016	9	15.30	57.07	6.6	33.47	8.1	24.7	5.99
I40	22 May 2016	10	14.99	52.29	5.8	33.47	8.0	24.8	6.10
140	31 May 2016	1	16.96	60.01	8.1	33.52	8.2	24.4	5.70
I40	31 May 2016	2	16.95	60.04	7.9	33.51	8.2	24.4	5.83
I40	31 May 2016	3	16.19	56.61	7.8	33.51	8.2	24.6	9.32
I40	31 May 2016	4	15.67	48.89	7.5	33.50	8.1	24.7	16.77
I40	31 May 2016	5	15.07	50.24	7.0	33.50	8.1	24.8	18.55
I40	31 May 2016	6	14.82	51.35	6.7	33.49	8.0	24.8	19.25
140	31 May 2016	7	14.64	56.67	6.2	33.49	8.0	24.9	15.81
I40	31 May 2016	8	14.17	65.13	5.6	33.50	8.0	25.0	9.82
140	31 May 2016	9	13.94	64.05	5.5	33.49	8.0	25.0	6.13

NA = not available



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

Date	l12	l14	I16	l18	122	123	133	136	137	138
10 May 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
11 May 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	I12	l14	I16	l18	122	123	133	136	137	138
10 May 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
11 May 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	l12	l14	I16	I18	122	123	133	136	137	138
10 May 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
11 May 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Date	I12	I14	I16	I18	122	123	133	136	137	138
10 May 2016	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
11 May 2016	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

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

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	рН	OG	SUSO
13	09 May 2016	1051	2	<2	<2	<2	1.00	17.2	81.85	8.0	33.43	8.1	<0.2	<0.2
13	09 May 2016	1051	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
13	09 May 2016	1051	18	<2	<2	2e	1.00	13.7	78.07	7.1	33.47	8.0	ns	<0.2
13	09 May 2016	1051	27	<2	<2	<2	1.00	13.0	79.50	6.4	33.48	7.9	ns	3.5
15	09 May 2016	1116	2	8e	<2	<2	0.25	16.8	70.64	8.2	33.44	8.1	<0.2	4.2
15	09 May 2016	1116	6	10e	<2	4e	0.20	16.4	67.61	8.2	33.44	8.1	ns	5.7
15	09 May 2016	1116	11	10e	<2	12e	0.20	15.4	77.01	8.2	33.46	8.1	ns	4.0
		_				_			_	-			_	_
17	09 May 2016	929	2	<2	<2	<2	1.00	17.1	83.75	7.8	33.50	8.1	<0.2	4.8
17	09 May 2016	929	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	3.4*
17	09 May 2016	929	18	<2	<2	<2	1.00	13.2	83.20	6.8	33.45	7.9	ns	4.3
17	09 May 2016	929	52	<2	<2	2e	1.00	10.8	87.09	4.4	33.60	7.7	ns	3.3
	,													
18	09 May 2016	1247	2	<2	<2	<2	1.00	17.7	84.08	7.7	33.48	8.1	<0.2	4.0
18	09 May 2016	1247	18	<2	<2	<2	1.00	13.6	86.31	6.8	33.49	8.0	ns	5.5
18	09 May 2016	1247	37	<2	<2	<2	1.00	12.2	80.87	5.1	33.51	7.8	ns	4.2
19	09 May 2016	1230	2	<2	<2	<2	1.00	17.9	83.94	8.0	33.42	8.1	<0.2	4.6
19	09 May 2016	1230	18	<2	<2	<2	1.00	13.0	83.95	6.3	33.46	7.9	ns	3.4
19	09 May 2016	1230	27	2e	<2	<2	1.00	12.6	84.73	5.6	33.50	7.8	ns	5.9
													_	
110	09 May 2016	1213	2	<2	<2	<2	1.00	17.9	78.49	8.2	33.42	8.1	<0.2	3.6
110	09 May 2016	1213	12	110	2e	14e	0.02	14.3	70.91	7.5	33.47	8.0	ns	3.8
110	09 May 2016	1213	18	68	2e	2e	0.03	13.6	72.16	6.6	33.49	7.9	ns	4.1
11	09 May 2016	1157	2	8e	<2	<2	0.25	17.5	74.91	8.3	33.41	8.1	<0.2	4.6
11	09 May 2016	1157	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	3.7*
11	09 May 2016	1157	6	22e	<2	<2	0.09	15.9	78.62	8.6	33.45	8.1	ns	4.0
11	09 May 2016	1157	11	100e	<2	36e	0.02	15.3	61.94	7.5	33.45	8.0	ns	6.5
112	10 May 2016	1148	2	<2	<2	<2	1.00	17.6	84.37	8.2	33.45	8.2	<0.2	<0.2
112	10 May 2016	1148	18	80e	2e	4e	0.02	13.0	82.60	5.9	33.42	8.0	ns	2.7
112	10 May 2016	1148	27	8e	2e	<2	0.25	12.6	85.38	5.2	33.50	7.9	ns	<0.2
113	09 May 2016	1051	2	<2	<2	<2	1.00	17.6	87.32	7.7	33.48	8.1	<0.2	2.7
113	09 May 2016	1051	18	<2	<2	<2	1.00	13.7	86.94	6.9	33.49	8.0	ns	4.9
113	09 May 2016	1051	37	<2	<2	<2	1.00	12.1	86.09	4.9	33.51	7.8	ns	3.8
-	,									-	-	_	-	-
114	10 May 2016	1214	2	<2	<2	<2	1.00	17.6	85.08	8.2	33.45	8.2	<0.2	4.0
114	10 May 2016	1214	18	4e	<2	<2	0.50	15.9	81.64	8.1	33.45	8.2	ns	2.6
114	10 May 2016	1214	27	10e	<2	<2	0.20	12.7	83.43	5.4	33.49	7.9	ns	3.4
116	10 May 2016	1133	2	<2	<2	<2	1.00	17.6	84.73	8.3	33.45	8.2	<0.2	<0.2
116	10 May 2016	1133	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
116	10 May 2016	1133	18	14e	<2	<2	0.14	15.8	81.51	8.1	33.44	8.2	ns	2.9
									0					

Station	Date	Time	Depth	Total	Fecal	Entero	F:T	Temp	XMS	DO	Sal	pН	OG	SUSO
116	10 May 2016	1133	27	<2	<2	<2	1.00	12.6	84.92	5.3	33.49	7.9	ns	4.0
	10 May 2010	1100		~~	~~	~	1.00	12.0	04.02	0.0	00.40	1.0	110	4.0
I18	10 May 2016	1107	2	<2	<2	2e	1.00	18.0	74.86	8.7	33.40	8.2	<0.2	3.7
118	10 May 2016	1107	12	8e	<2	<2	0.25	14.2	79.26	7.4	33.47	8.1	ns	2.9
118	10 May 2016	1107	18	8e	<2	<2	0.25	13.6	74.68	6.5	33.48	8.0	ns	3.7
					-		0.20					0.0		
120	09 May 2016	903	2	<2	<2	8e	1.00	17.2	87.27	7.6	33.50	8.0	<0.2	8.9
120	09 May 2016	903	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	2.7*
120	09 May 2016	903	18	<2	<2	<2	1.00	15.7	84.96	7.4	33.50	8.0	ns	3.4
120	09 May 2016	903	55	<2	<2	<2	1.00	10.6	87.14	4.3	33.62	7.7	ns	<0.2
l21	09 May 2016	1325	2	<2	<2	<2	1.00	17.7	86.76	7.7	33.46	8.1	<0.2	4.3
121	09 May 2016	1325	18	<2	<2	<2	1.00	13.8	87.33	6.6	33.49	8.0	ns	3.2
121	09 May 2016	1325	37	<2	<2	<2	1.00	11.8	86.72	4.9	33.51	7.8	ns	2.9
122	10 May 2016	1226	2	<2	<2	<2	1.00	17.9	84.38	8.3	33.44	8.2	<0.2	3.4
122	10 May 2016	1226	18	8e	<2	<2	0.25	14.1	77.74	6.6	33.47	8.1	ns	<0.2
122	10 May 2016	1226	27	<2	<2	<2	1.00	12.8	82.87	5.5	33.49	8.0	ns	3.0
123	10 May 2016	1239	2	<2	<2	<2	1.00	18.1	80.71	8.5	33.43	8.2	<0.2	3.1
123	10 May 2016	1239	12	<2	<2	<2	1.00	14.9	78.28	7.4	33.47	8.1	ns	<0.2
123	10 May 2016	1239	18	10e	<2	2e	0.20	13.4	75.02	5.8	33.47	8.0	ns	<0.2
120	11 May 2016	026	2	<2	~2	~2	1 00	16.0	75.20	76	22.40	0.0	<0.2	<0.2
130	11 May 2016	936	2	<2	<2	<2	1.00	16.8	75.30	7.6	33.48	8.2	< 0.2	<0.2 <0.2*
130	11 May 2016 11 May 2016	936 936	2	ns <2	ns	ns	ns 1.00	ns	ns	ns 6.9	ns 33.48	ns 8.1	ns	< 0.2* 4.5
130 130	11 May 2016	936	18 27	<2 2e	<2 <2	<2 <2	1.00	14.8 12.7	83.30 83.41	5.2	33.49	0.1 7.9	ns ns	4.5 <0.2
130	11 May 2010	930	21	20	< <u> </u>	< <u> </u>	1.00	12.7	03.41	0.Z	55.49	7.9	115	<0.2
133	11 May 2016	820	2	<2	<2	<2	1.00	16.7	77.73	7.4	33.49	8.2	<0.2	<0.2
133	11 May 2016	820	18	<2	<2	<2	1.00	14.4	83.79	6.3	33.48	8.1	ns	<0.2
133	11 May 2016	820	27	<2	<2	<2	1.00	13.3	84.59	5.6	33.50	8.0	ns	< 0.2
		0_0			-					0.0		0.0		
136	11 May 2016	1036	2	<2	<2	<2	1.00	16.7	66.80	7.7	33.47	8.2	<0.2	3.3
136	11 May 2016	1036	6	<2	<2	<2	1.00	15.0	76.10	6.0	33.48	8.0	ns	2.7
136	11 May 2016	1036	11	20e	<2	<2	0.10	14.6	52.38	4.4	33.48	7.9	ns	7.1
137	11 May 2016	747	2	<2	<2	<2	1.00	16.3	67.69	6.5	33.49	8.1	<0.2	<0.2
137	11 May 2016	747	2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<0.2*
137	11 May 2016	747	6	4e	<2	<2	0.50	14.8	68.28	5.7	33.48	8.0	ns	4.0
137	11 May 2016	747	11	<2	<2	<2	1.00	13.7	66.62	5.6	33.48	8.0	ns	8.7
138	11 May 2016	1113	2	<2	<2	<2	1.00	16.5	68.96	7.9	33.47	8.2	<0.2	3.3
138	11 May 2016	1113	6	2e	<2	<2	1.00	14.8	76.40	6.7	33.48	8.1	ns	<0.2
138	11 May 2016	1113	11	18e	<2	2e	0.11	14.4	73.32	4.1	33.48	7.9	ns	<0.2

ns = not sampled ND = no data

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

Station	Date	Parameter	Value
11	09 May 2016	Depth (m)	60
11	09 May 2016	Arrive Time	959
11	09 May 2016	Depart Time	1005
11	09 May 2016	Air Temp (C)	17
11	09 May 2016	Weather	Overcast
11	09 May 2016	Visibility (mi)	7
11	09 May 2016	Wind Speed (kts)	5
11	09 May 2016	Wind Dir	W
1	09 May 2016	Water Color	Green
1	09 May 2016	Wave Ht Low (ft)	2
11	09 May 2016	Wave Period (sec)	9
1	09 May 2016	Sea State	Calm
11	09 May 2016	High Tide (ft)	3.89
1	09 May 2016	High Tide Time	1227
1	09 May 2016	Low Tide (ft)	-1.11
1	09 May 2016	Low Tide Time	604
1	09 May 2016	Comments	200 dolphins on station
12	09 May 2016	Depth (m)	33
12	09 May 2016	Arrive Time	1035
12	09 May 2016	Depart Time	1040
12	09 May 2016	Air Temp (C)	17
12	09 May 2016	Weather	Overcast
12	09 May 2016	Visibility (mi)	7
12	09 May 2016	Wind Speed (kts)	8
12	09 May 2016	Wind Dir	NE
12	09 May 2016	Water Color	Green
12	09 May 2016	Wave Ht Low (ft)	2
12 12	09 May 2016	Wave Period (sec) Sea State	9
12	09 May 2016		Calm 3.89
12	09 May 2016	High Tide (ft)	1227
12	09 May 2016 09 May 2016	High Tide Time Low Tide (ft)	-1.11
12	09 May 2016	Low Tide Time	604
12	09 May 2016	Comments	
12	00 May 2010	Commenta	
13	09 May 2016	Depth (m)	27
13	09 May 2016	Arrive Time	1051
13	09 May 2016	Depart Time	1055
13	09 May 2016	Air Temp (C)	17
13	09 May 2016	Weather	Overcast
13	09 May 2016	Visibility (mi)	10
13	09 May 2016	Wind Speed (kts)	7
13	09 May 2016	Wind Dir	E
13	09 May 2016	Water Color	Green
13	09 May 2016	Wave Ht Low (ft)	2
13	09 May 2016	Wave Period (sec)	9
13	09 May 2016	Sea State	Calm
13	09 May 2016	High Tide (ft)	3.89
13	09 May 2016	High Tide Time	1227
13	09 May 2016	Low Tide (ft)	-1.11

Station	Date	Parameter	Value
13	09 May 2016	Low Tide Time	604
13	09 May 2016	Comments	
14	09 May 2016	Depth (m)	20
14	09 May 2016	Arrive Time	1108
14	09 May 2016	Depart Time	1112
14	09 May 2016	Air Temp (C)	17
14	09 May 2016	Weather	Overcast
14	09 May 2016	Visibility (mi)	10
14	09 May 2016	Wind Speed (kts)	7
14	09 May 2016	Wind Dir	S
14	09 May 2016	Water Color	Green
14	09 May 2016	Wave Ht Low (ft)	2
14	09 May 2016	Wave Period (sec)	9
14	09 May 2016	Sea State	Calm
14	09 May 2016	High Tide (ft)	3.89
14	09 May 2016	High Tide Time	1227
14	09 May 2016	Low Tide (ft)	-1.11
14	09 May 2016	Low Tide Time	604
14	09 May 2016	Comments	
15	09 May 2016	Depth (m)	14
15	09 May 2016	Arrive Time	1116
15	09 May 2016	Depart Time	1125
15	09 May 2016	Air Temp (C)	17
15	09 May 2016	Weather	Overcast
15	09 May 2016	Visibility (mi)	10
15	09 May 2016	Wind Speed (kts)	7
15	09 May 2016	Wind Dir	SE
15	09 May 2016	Water Color	Green
15	09 May 2016	Wave Ht Low (ft)	2
15	09 May 2016	Wave Period (sec)	9
15	09 May 2016	Sea State	Calm
15	09 May 2016	High Tide (ft)	3.89
15	09 May 2016	High Tide Time	1227
15	09 May 2016	Low Tide (ft)	-1.11
15	09 May 2016	Low Tide Time	604
15	09 May 2016	Comments	Birds on station ; Kelp debris
16	09 May 2016	Depth (m)	25
16	09 May 2016	Arrive Time	1138
16	09 May 2016	Depart Time	1140
16	09 May 2016	Air Temp (C)	17
16	09 May 2016	Weather	Overcast
16	09 May 2016	Visibility (mi)	10
16	09 May 2016	Wind Speed (kts)	8
16	09 May 2016	Wind Dir	SW
16	09 May 2016	Water Color	Green
16	09 May 2016	Wave Ht Low (ft)	2
16	09 May 2016	Wave Period (sec)	9
16	09 May 2016	Sea State	Wind ripples
16	09 May 2016	High Tide (ft)	3.89
16	09 May 2016	High Tide Time	1227
16	09 May 2016	Low Tide (ft)	-1.11
16	09 May 2016	Low Tide Time	604

16 09 May 2016 Comments 17 09 May 2016 Depth (m) 52 17 09 May 2016 Depth Time 929 17 09 May 2016 Weather Overcast 17 09 May 2016 Wisbility (mi) 7 17 09 May 2016 Wisbility (mi) 7 17 09 May 2016 Wind Dir W 17 09 May 2016 Wather Color Green 17 09 May 2016 Water Color Green 17 09 May 2016 Water Color Green 17 09 May 2016 Water Color Green 17 09 May 2016 Low Tide Time 1227 17 09 May 2016 Low Tide Time 1247 18 09 May 2016 Comments 1247 18 09 May 2016 Kine Time 1247 18 09 May 2016 Weather Partly Cloudy 18 09 May 2016 Waster HLow (ft) 2 18 09 May	Station	Date	Parameter	Value
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I9 09 May 2016 Wind Dir N I9 09 May 2016 Water Color Green I9 09 May 2016 Wave Ht Low (ft) 2 I9 09 May 2016 Wave Period (sec) 9 I9 09 May 2016 Sea State Wind ripples I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		•		
I9 09 May 2016 Water Color Green I9 09 May 2016 Wave Ht Low (ft) 2 I9 09 May 2016 Wave Period (sec) 9 I9 09 May 2016 Sea State Wind ripples I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 Wave Ht Low (ft) 2 I9 09 May 2016 Wave Period (sec) 9 I9 09 May 2016 Sea State Wind ripples I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 Wave Period (sec) 9 I9 09 May 2016 Sea State Wind ripples I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 Sea State Wind ripples I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 High Tide (ft) 3.89 I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 High Tide Time 1227 I9 09 May 2016 Low Tide (ft) -1.11		-		
I9 09 May 2016 Low Tide (ft) -1.11				
			-	
I9 09 May 2016 Comments		-		

Station	Date	Parameter	Value
I10	09 May 2016	Depth (m)	20
I10	09 May 2016	Arrive Time	1213
I10	09 May 2016	Depart Time	1217
I10	09 May 2016	Air Temp (C)	17
I10	09 May 2016	Weather	Partly Cloudy
I10	09 May 2016	Visibility (mi)	12
110	09 May 2016	Wind Speed (kts)	8
I10	09 May 2016	Wind Dir	NE
I10	09 May 2016	Water Color	Green
110	09 May 2016	Wave Ht Low (ft)	2
I10	09 May 2016	Wave Period (sec)	9
I10	09 May 2016	Sea State	Wind ripples
I10	09 May 2016	High Tide (ft)	3.89
I10	09 May 2016	High Tide Time	1227
110	09 May 2016	Low Tide (ft)	-1.11
110	09 May 2016	Low Tide Time	604
110	09 May 2016	Comments	Kelp debris
	00 may 2010	Commente	
111	09 May 2016	Depth (m)	14
111	09 May 2016	Arrive Time	1157
111	09 May 2016	Depart Time	1202
111	09 May 2016	Air Temp (C)	17
111	09 May 2016	Weather	Overcast
111	09 May 2016	Visibility (mi)	10
111	09 May 2010	Wind Speed (kts)	7
111	09 May 2010	Wind Dir	, NE
111	09 May 2016	Water Color	Green
111	09 May 2016	Wave Ht Low (ft)	2
111	09 May 2016	Wave Period (sec)	9
111	09 May 2010	Sea State	Wind ripples
111	09 May 2010	High Tide (ft)	3.89
111	09 May 2016	High Tide Time	1227
111	09 May 2016	Low Tide (ft)	-1.11
111	09 May 2010	Low Tide Time	604
111	09 May 2010	Comments	004
	03 May 2010	Comments	
112	10 May 2016	Depth (m)	28
112	10 May 2016	Arrive Time	1148
112	10 May 2016	Depart Time	1151
112	10 May 2016	Air Temp (C)	17
112	10 May 2016	Weather	Overcast
112	10 May 2016	Visibility (mi)	10
112	10 May 2016	Wind Speed (kts)	8
112	10 May 2016	Wind Dir	NW
112	10 May 2016	Water Color	Bluish-Green
112	10 May 2016	Wave Ht Low (ft)	4
112	10 May 2016	Wave Period (sec)	16
112	10 May 2010	Sea State	Wind ripples
112	10 May 2010	High Tide (ft)	3.67
112	10 May 2010	High Tide Time	1334
112	10 May 2010	Low Tide (ft)	-0.75
112	10 May 2010	Low Tide Time	700
112	10 May 2016	Comments	
112	10 May 2010	Johnnenta	

Station	Date	Parameter	Value
I13	09 May 2016	Depth (m)	39
113	09 May 2016	Arrive Time	1305
113	09 May 2016	Depart Time	1309
113	09 May 2016	Air Temp (C)	17
113	09 May 2016	Weather	Partly Cloudy
113	09 May 2016	Visibility (mi)	12
113	09 May 2016	Wind Speed (kts)	8
113	09 May 2016	Wind Dir	N
113	09 May 2016	Water Color	Green
113	09 May 2016	Wave Ht Low (ft)	2
113	09 May 2016	Wave Period (sec)	9
113	09 May 2016	Sea State	Wind ripples
113	09 May 2016	High Tide (ft)	3.89
113	09 May 2016	High Tide Time	1227
113	09 May 2010	Low Tide (ft)	-1.11
113	09 May 2010	Low Tide Time	604
	-	Comments	004
113	09 May 2016	Comments	
11.4	10 May 2016	Denth (m)	28
14 14	10 May 2016	Depth (m) Arrive Time	28 1214
	10 May 2016		
114	10 May 2016	Depart Time	1217
114	10 May 2016	Air Temp (C)	17
114	10 May 2016	Weather	Overcast
114	10 May 2016	Visibility (mi)	10
114	10 May 2016	Wind Speed (kts)	9
114	10 May 2016	Wind Dir	SW
114	10 May 2016	Water Color	Bluish-Green
114	10 May 2016	Wave Ht Low (ft)	4
114	10 May 2016	Wave Period (sec)	16
114	10 May 2016	Sea State	Light chop
114	10 May 2016	High Tide (ft)	3.67
114	10 May 2016	High Tide Time	1334
114	10 May 2016	Low Tide (ft)	-0.75
114	10 May 2016	Low Tide Time	700
114	10 May 2016	Comments	
115	10 May 2016	Depth (m)	32
l15	10 May 2016	Arrive Time	1205
l15	10 May 2016	Depart Time	1208
I15	10 May 2016	Air Temp (C)	17
I15	10 May 2016	Weather	Overcast
I15	10 May 2016	Visibility (mi)	10
l15	10 May 2016	Wind Speed (kts)	7
I15	10 May 2016	Wind Dir	Ν
l15	10 May 2016	Water Color	Bluish-Green
l15	10 May 2016	Wave Ht Low (ft)	4
l15	10 May 2016	Wave Period (sec)	16
l15	10 May 2016	Sea State	Light chop
l15	10 May 2016	High Tide (ft)	3.67
I15	10 May 2016	High Tide Time	1334
l15	10 May 2016	Low Tide (ft)	-0.75
I15	10 May 2016	Low Tide Time	700
I15	10 May 2016	Comments	
I16	10 May 2016	Depth (m)	28

Station	Date	Parameter	Value
I16	10 May 2016	Arrive Time	1133
I16	10 May 2016	Depart Time	1137
I16	10 May 2016	Air Temp (C)	17
I16	10 May 2016	Weather	Overcast
I16	10 May 2016	Visibility (mi)	10
116	10 May 2016	Wind Speed (kts)	6
116	10 May 2016	Wind Dir	S
116	10 May 2016	Water Color	Bluish-Green
116	10 May 2016	Wave Ht Low (ft)	4
116	10 May 2016	Wave Period (sec)	16
116	10 May 2016	Sea State	Wind ripples
116	10 May 2016	High Tide (ft)	3.67
116	10 May 2010	High Tide Time	1334
110	10 May 2010	Low Tide (ft)	-0.75
	-	()	700
I16	10 May 2016	Low Tide Time	700
I16	10 May 2016	Comments	
147	10 May 2010	Denth (m)	25
117	10 May 2016	Depth (m)	25
117	10 May 2016	Arrive Time	1124
117	10 May 2016	Depart Time	1128
117	10 May 2016	Air Temp (C)	17
117	10 May 2016	Weather	Overcast
I17	10 May 2016	Visibility (mi)	10
I17	10 May 2016	Wind Speed (kts)	6
l17	10 May 2016	Wind Dir	W
l17	10 May 2016	Water Color	Bluish-Green
l17	10 May 2016	Wave Ht Low (ft)	4
I17	10 May 2016	Wave Period (sec)	16
117	10 May 2016	Sea State	Wind ripples
17	10 May 2016	High Tide (ft)	3.67
17	10 May 2016	High Tide Time	1334
17	10 May 2016	Low Tide (ft)	-0.75
17	10 May 2016	Low Tide Time	700
17	10 May 2016	Comments	
I18	10 May 2016	Depth (m)	20
I18	10 May 2016	Arrive Time	1107
l18	10 May 2016	Depart Time	1114
l18	10 May 2016	Air Temp (C)	17
l18	10 May 2016	Weather	Overcast
l18	10 May 2016	Visibility (mi)	10
l18	10 May 2016	Wind Speed (kts)	8
l18	10 May 2016	Wind Dir	W
I18	10 May 2016	Water Color	Bluish-Green
I18	10 May 2016	Wave Ht Low (ft)	4
l18	10 May 2016	Wave Period (sec)	16
l18	10 May 2016	Sea State	Wind ripples
l18	10 May 2016	High Tide (ft)	3.67
I18	10 May 2016	High Tide Time	1334
I18	10 May 2016	Low Tide (ft)	-0.75
I18	10 May 2016	Low Tide Time	700
I18	10 May 2016	Comments	
120	09 May 2016	Depth (m)	54
120	09 May 2016	Arrive Time	903

Station	Date	Parameter	Value
120	09 May 2016	Depart Time	907
120	09 May 2016	Air Temp (C)	17
120	09 May 2016	Weather	Overcast
120	09 May 2016	Visibility (mi)	5
120	09 May 2016	Wind Speed (kts)	5
120	09 May 2016	Wind Dir	SE
120	09 May 2016	Water Color	Green
120	09 May 2016	Wave Ht Low (ft)	3
120	09 May 2016	Wave Period (sec)	9
120	09 May 2016	Sea State	Calm
120	09 May 2016	High Tide (ft)	3.89
120	09 May 2016	High Tide Time	1227
120	09 May 2016	Low Tide (ft)	-1.11
120	09 May 2016	Low Tide Time	604
120	09 May 2016	Comments	Boats
120	00 May 2010	Commenta	
121	09 May 2016	Depth (m)	41
121	09 May 2010 09 May 2016	Arrive Time	1325
121	09 May 2010 09 May 2016	Depart Time	1335
121	09 May 2016 09 May 2016	Air Temp (C)	17
121	09 May 2016 09 May 2016	Weather	Partly Cloudy
121	09 May 2010 09 May 2016	Visibility (mi)	12
121	•	,,,,	8
	09 May 2016	Wind Speed (kts)	
I21	09 May 2016	Wind Dir	S
I21	09 May 2016	Water Color	Green
121	09 May 2016	Wave Ht Low (ft)	2
I21	09 May 2016	Wave Period (sec)	9 Wind ring log
121	09 May 2016	Sea State	Wind ripples
121	09 May 2016	High Tide (ft)	3.89
121	09 May 2016	High Tide Time	1227
121	09 May 2016	Low Tide (ft)	-1.11
121	09 May 2016	Low Tide Time	604
121	09 May 2016	Comments	
100	10.14. 0010		
122	10 May 2016	Depth (m)	28
122	10 May 2016	Arrive Time	1226
122	10 May 2016	Depart Time	1231
122	10 May 2016	Air Temp (C)	17
122	10 May 2016	Weather	Overcast
122	10 May 2016	Visibility (mi)	10
122	10 May 2016	Wind Speed (kts)	9
122	10 May 2016	Wind Dir	SW
122	10 May 2016	Water Color	Bluish-Green
122	10 May 2016	Wave Ht Low (ft)	4
122	10 May 2016	Wave Period (sec)	16
122	10 May 2016	Sea State	Light chop
122	10 May 2016	High Tide (ft)	3.67
122	10 May 2016	High Tide Time	1334
122	10 May 2016	Low Tide (ft)	-0.75
122	10 May 2016	Low Tide Time	700
122	10 May 2016	Comments	
123	10 May 2016	Depth (m)	21
123	10 May 2016	Arrive Time	1239
123	10 May 2016	Depart Time	1246

Station	Date	Parameter	Value
123	10 May 2016	Air Temp (C)	17
123	10 May 2016	Weather	Overcast
123	10 May 2016	Visibility (mi)	10
123	10 May 2016	Wind Speed (kts)	8
123	10 May 2016	Wind Dir	W
123	10 May 2016	Water Color	Bluish-Green
123	10 May 2016	Wave Ht Low (ft)	4
123	10 May 2016	Wave Period (sec)	16
123	10 May 2016	Sea State	Light chop
123	10 May 2016	High Tide (ft)	3.67
123	10 May 2016	High Tide Time	1334
123	10 May 2016	Low Tide (ft)	-0.75
123	10 May 2016	Low Tide Time	700
123	10 May 2016	Comments	Kelp debris
127	10 May 2016	Depth (m)	27
127	10 May 2016	Arrive Time	902
127	10 May 2016	Depart Time	911
127	10 May 2016	Air Temp (C)	17
127	10 May 2016	Weather	Overcast
127	10 May 2016	Visibility (mi)	10
127	10 May 2016	Wind Speed (kts)	4
127	10 May 2016	Wind Dir	NE
127	10 May 2016	Water Color	Bluish-Green
127	10 May 2016	Wave Ht Low (ft)	4
127	10 May 2016	Wave Period (sec)	16
127	10 May 2016	Sea State	Wind ripples
127	10 May 2016	High Tide (ft)	3.67
127	10 May 2016	High Tide Time	1334
127	10 May 2016	Low Tide (ft)	-0.75
127	10 May 2016	Low Tide Time	700
127	10 May 2016	Comments	
128	11 May 2016	Depth (m)	38
128	11 May 2016	Arrive Time	845
128	11 May 2016	Depart Time	906
128	11 May 2016	Air Temp (C)	16
128	11 May 2016	Weather	Continuous layer of clouds
128	11 May 2016	Visibility (mi)	8
128	11 May 2016	Wind Speed (kts)	6
128	11 May 2016	Wind Dir	SE
128	11 May 2016	Water Color	Green
128	11 May 2016	Wave Ht Low (ft)	4
128	11 May 2016	Wave Period (sec)	13
128	11 May 2016	Sea State	Wind ripples
128	11 May 2016	High Tide (ft)	3.6
128	11 May 2016	High Tide Time	1452
128	11 May 2016	Low Tide (ft)	-0.33
128	11 May 2016	Low Tide Time	801
128	11 May 2016	Comments	
129	11 May 2016	Depth (m)	36
129	11 May 2016	Arrive Time	913
129	11 May 2016	Depart Time	924
129	11 May 2016	Air Temp (C)	17

Station	Date	Parameter	Value
129	11 May 2016	Weather	Continuous layer of clouds
129	11 May 2016	Visibility (mi)	8
129	11 May 2016	Wind Speed (kts)	3
129	11 May 2016	Wind Dir	S
129	11 May 2016	Water Color	Green
129	11 May 2016	Wave Ht Low (ft)	4
129	11 May 2016	Wave Period (sec)	13
129	11 May 2016	Sea State	Wind ripples
129	11 May 2016	High Tide (ft)	3.6
129	11 May 2016	High Tide Time	1452
129	11 May 2016	Low Tide (ft)	-0.33
129	11 May 2016	Low Tide Time	801
129	11 May 2016	Comments	Gill netting vessel on station; Unable to get better location to obtain
120	11 May 2010	Commente	depth
130	11 May 2016	Depth (m)	27
130	11 May 2016	Arrive Time	936
130	11 May 2016	Depart Time	944
130	•		16
130	11 May 2016	Air Temp (C) Weather	
	11 May 2016		Continuous layer of clouds
130	11 May 2016	Visibility (mi)	8
130	11 May 2016	Wind Speed (kts)	6 CW
130	11 May 2016	Wind Dir	SW
130	11 May 2016	Water Color	Green
130	11 May 2016	Wave Ht Low (ft)	4
130	11 May 2016	Wave Period (sec)	13
130	11 May 2016	Sea State	Wind ripples
130	11 May 2016	High Tide (ft)	3.6
130	11 May 2016	High Tide Time	1452
130	11 May 2016	Low Tide (ft)	-0.33
130	11 May 2016	Low Tide Time	801
130	11 May 2016	Comments	
131	11 May 2016	Depth (m)	18
131	11 May 2016 11 May 2016	Arrive Time	953
131	-		1000
	11 May 2016	Depart Time	
131	11 May 2016	Air Temp (C)	17 Continuous lavor of clouds
I31	11 May 2016	Weather	Continuous layer of clouds
I31	11 May 2016	Visibility (mi)	10
131	11 May 2016	Wind Speed (kts)	6 NIM
131	11 May 2016	Wind Dir	NW
I31	11 May 2016	Water Color	Green
131	11 May 2016	Wave Ht Low (ft)	4
131	11 May 2016	Wave Period (sec)	13 Wind ringles
131	11 May 2016	Sea State	Wind ripples
131	11 May 2016	High Tide (ft)	3.6
131	11 May 2016	High Tide Time	1452
131	11 May 2016	Low Tide (ft)	-0.33
131	11 May 2016	Low Tide Time	801
131	11 May 2016	Comments	
133	11 May 2016	Depth (m)	29
133	11 May 2016	Arrive Time	820
133	11 May 2016	Depart Time	829
133	11 May 2016	Air Temp (C)	16

Station	Date	Parameter	Value
133	11 May 2016	Weather	Continuous layer of clouds
133	11 May 2016	Visibility (mi)	8
133	11 May 2016	Wind Speed (kts)	4
133	11 May 2016	Wind Dir	W
133	11 May 2016	Water Color	Green
133	11 May 2016	Wave Ht Low (ft)	4
133	11 May 2016	Wave Period (sec)	13
133	11 May 2016	Sea State	Wind ripples
133	11 May 2016	High Tide (ft)	3.6
133	11 May 2016	High Tide Time	1452
133	11 May 2016	Low Tide (ft)	-0.33
133	11 May 2016	Low Tide Time	801
133	11 May 2016	Comments	
134	11 May 2016	Depth (m)	18
134	11 May 2016	Arrive Time	804
134	11 May 2016	Depart Time	813
134	11 May 2016	Air Temp (C)	17
134	11 May 2016	Weather	Continuous layer of clouds
134	11 May 2016	Visibility (mi)	8
134	11 May 2016	Wind Speed (kts)	3
134	11 May 2010	Wind Dir	S N
134	11 May 2010	White Dir Water Color	Green
134	11 May 2010	Wave Ht Low (ft)	4
134	11 May 2016	. ,	13
134	11 May 2016	Wave Period (sec) Sea State	
134			Wind ripples 3.6
134	11 May 2016	High Tide (ft)	1452
	11 May 2016	High Tide Time	
134	11 May 2016	Low Tide (ft)	-0.33
134	11 May 2016	Low Tide Time	801
134	11 May 2016	Comments	
135	11 May 2016	Depth (m)	18
135	11 May 2016	Arrive Time	1056
135	11 May 2016	Depart Time	1101
135	11 May 2016	Air Temp (C)	17
135	11 May 2016	Weather	Continuous layer of clouds
135	11 May 2016	Visibility (mi)	10
135	11 May 2016	Wind Speed (kts)	6
135	11 May 2016	Wind Dir	N
135	11 May 2016	Water Color	Green
135	11 May 2010	Wave Ht Low (ft)	4
135	11 May 2010	Wave Period (sec)	13
135	11 May 2010	Sea State	Wind ripples
135	11 May 2010	High Tide (ft)	3.6
135	11 May 2010	High Tide Time	1452
135	11 May 2010	Low Tide (ft)	-0.33
135	11 May 2010	Low Tide Time	801
135	11 May 2010	Comments	
100	11 May 2010	Commenta	
136	11 May 2016	Depth (m)	10
136	11 May 2016	Arrive Time	1036
136	11 May 2016	Depart Time	1043
136	11 May 2016	Air Temp (C)	17
136	11 May 2016	Weather	Continuous layer of clouds

Station	Date	Parameter	Value
136	11 May 2016	Visibility (mi)	10
136	11 May 2016	Wind Speed (kts)	6
136	11 May 2016	Wind Dir	N
136	11 May 2010	Water Color	Green
136	11 May 2010	Wave Ht Low (ft)	4
136	-		13
136	11 May 2016	Wave Period (sec) Sea State	
136	11 May 2016 11 May 2016		Wind ripples 3.6
	•	High Tide (ft)	
136 136	11 May 2016	High Tide Time	1452 -0.33
	11 May 2016	Low Tide (ft)	801
136	11 May 2016	Low Tide Time	801
136	11 May 2016	Comments	
137	11 May 2016	Depth (m)	11
137	11 May 2010	Arrive Time	747
137	11 May 2010	Depart Time	753
137	11 May 2010	Air Temp (C)	16
137	11 May 2010	Weather	Continuous layer of clouds
137	11 May 2016	Visibility (mi)	8
137	11 May 2016	Wind Speed (kts)	2
137	11 May 2010	Wind Dir	Z NE
137	11 May 2010	Water Color	Green
137	•		4
137	11 May 2016	Wave Ht Low (ft) Wave Period (sec)	13
137	11 May 2016 11 May 2016	Sea State	
137			Wind ripples 3.6
137	11 May 2016 11 May 2016	High Tide (ft) High Tide Time	1452
137	11 May 2010	Low Tide (ft)	-0.33
137	11 May 2010	Low Tide Time	801
137	11 May 2010	Comments	801
137	11 May 2010	Comments	
138	11 May 2016	Depth (m)	11
138	11 May 2016	Arrive Time	1113
138	11 May 2016	Depart Time	1123
138	11 May 2010	Air Temp (C)	17
138	11 May 2010	Weather	Continuous layer of clouds
138	11 May 2010	Visibility (mi)	10
138	11 May 2010	Wind Speed (kts)	7
138	11 May 2010	Wind Dir	NW
138	11 May 2010	Water Color	Green
138	11 May 2010	Wave Ht Low (ft)	4
138	11 May 2010	Wave Period (sec)	13
138	11 May 2016	Sea State	Wind ripples
138	11 May 2010	High Tide (ft)	3.6
138	11 May 2016	High Tide Time	1452
138	11 May 2016	Low Tide (ft)	-0.33
138	-	Low Tide (II)	801
	11 May 2016		
138	11 May 2016	Comments	

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

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (µg/L)
11	09 May 2016	1	17.10	84.10	7.7	33.48	8.1	24.3	0.80
11	09 May 2016	2	17.11	84.10	7.6	33.49	8.1	24.3	0.82
11	09 May 2016	3	17.07	84.06	7.6	33.49	8.1	24.3	0.88
11	09 May 2016	4	17.00	83.92	7.7	33.49	8.1	24.4	0.96
1	09 May 2016	5	16.88	84.40	7.6	33.49	8.0	24.4	0.97
1	09 May 2016	6	16.68	86.08	7.5	33.50	8.0	24.4	0.93
1	09 May 2016	7	16.48	86.73	7.4	33.50	8.0	24.5	0.86
11	09 May 2016	8	15.62	83.05	7.7	33.50	8.0	24.7	1.12
11	09 May 2016	9	15.49	82.83	7.7	33.48	8.0	24.7	1.54
11	09 May 2016	10	15.17	82.43	7.6	33.49	8.0	24.8	1.87
11	09 May 2016	11	14.86	81.65	7.6	33.48	8.0	24.8	2.25
11	09 May 2016	12	14.36	82.96	7.1	33.49	8.0	24.9	2.45
11	09 May 2016	13	13.29	85.24	6.6	33.50	7.9	25.2	2.36
11	09 May 2016	14	12.89	86.15	6.1	33.47	7.9	25.2	2.45
11	09 May 2016	15	12.67	86.67	5.9	33.47	7.9	25.3	2.21
11	09 May 2016	16	12.56	86.75	5.8	33.47	7.9	25.3	2.24
11	09 May 2016	17	12.35	86.92	5.6	33.48	7.8	25.3	2.07
11	09 May 2016	18	12.20	87.08	5.5	33.48	7.8	25.4	1.80
11	09 May 2016	19	12.05	87.49	5.4	33.48	7.8	25.4	1.73
11	09 May 2016	20	11.91	87.45	5.3	33.49	7.8	25.4	1.60
11	09 May 2016	21	11.76	87.69	5.2	33.49	7.8	25.5	1.47
11	09 May 2016	22	11.73	87.72	5.1	33.50	7.8	25.5	1.32
11	09 May 2016	23	11.67	87.80	5.1	33.50	7.8	25.5	1.36
11	09 May 2010	23	11.63	87.71	5.1	33.51	7.8	25.5	1.38
11	09 May 2016	25	11.61	87.56	5.0	33.51	7.8	25.5	1.27
11	09 May 2010	26	11.59	87.67	5.0	33.51	7.8	25.5	1.27
11	09 May 2010	20	11.53	87.81	5.0	33.51	7.8	25.5	1.27
11	09 May 2010 09 May 2016	28	11.56	87.87	5.0	33.51	7.8	25.5	1.22
11	09 May 2010 09 May 2016	20	11.56	87.80	5.0	33.51	7.8	25.5	1.21
11	09 May 2010	30	11.54	87.74	5.0	33.51	7.8	25.5	1.17
11	09 May 2010 09 May 2016	31	11.54	87.69	4.9	33.51	7.8	25.5	1.17
11	09 May 2010	32	11.52	87.81	5.0	33.51	7.8	25.5	1.19
11	09 May 2010 09 May 2016	33	11.52	87.91	5.0	33.51	7.8	25.5	1.19
11	09 May 2010 09 May 2016	34	11.51	88.01	5.0	33.51	7.8	25.5	1.25
I1	09 May 2016 09 May 2016	34	11.51	88.05	5.0	33.51	7.8	25.5 25.5	1.10
11	09 May 2016 09 May 2016	35	11.51	88.00	5.0	33.52	7.8	25.5 25.5	1.19
	-		11.48		5.0		7.8		
11	09 May 2016	37		87.97		33.52		25.5 25.5	1.18
11	09 May 2016	38	11.44	87.93	4.9	33.52	7.8	25.5	1.23
11	09 May 2016	39	11.42	87.94	4.9	33.52	7.8	25.5 25.6	1.13
11	09 May 2016	40	11.38	87.91	4.9	33.52	7.8	25.6	1.19
11	09 May 2016	41	11.27	87.89	4.8	33.53	7.8	25.6	1.11
11	09 May 2016	42	11.23	87.89	4.8	33.53	7.7	25.6	1.03
11	09 May 2016	43	11.06	87.56	4.7	33.55	7.7	25.6	0.94
11	09 May 2016	44	11.04	87.46	4.6	33.55	7.7	25.6	0.89
11	09 May 2016	45	10.97	87.58	4.6	33.56	7.7	25.7	0.83
11	09 May 2016	46	10.86	87.53	4.5	33.57	7.7	25.7	0.77
1	09 May 2016	47	10.80	87.35	4.5	33.58	7.7	25.7	0.72
1	09 May 2016	48	10.76	87.12	4.5	33.58	7.7	25.7	0.67
1	09 May 2016	49	10.74	86.99	4.4	33.59	7.7	25.7	0.64
1	09 May 2016	50	10.74	86.91	4.5	33.59	7.7	25.7	0.64
1	09 May 2016	51	10.74	86.79	4.4	33.59	7.7	25.7	0.64

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
1	09 May 2016	52	10.74	86.56	4.4	33.59	7.7	25.7	0.64
l1	09 May 2016	53	10.73	86.69	4.4	33.59	7.7	25.7	0.61
l1	09 May 2016	54	10.72	86.73	4.4	33.59	7.7	25.7	0.61
l1	09 May 2016	55	10.69	86.68	4.4	33.60	7.7	25.7	0.59
l1	09 May 2016	56	10.67	86.52	4.3	33.60	7.7	25.7	0.56
11	09 May 2016	57	10.65	86.33	4.3	33.61	7.7	25.8	0.56
l1	09 May 2016	58	10.64	86.30	4.3	33.61	7.7	25.8	0.54
l1	09 May 2016	59	10.64	86.31	4.3	33.61	7.7	25.8	0.53
11	09 May 2016	60	10.64	86.33	4.3	33.61	7.7	25.8	0.53
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12	09 May 2016	1	17.11	84.06	8.0	33.44	8.1	24.3	0.94
12	09 May 2016	2	17.11	84.16	8.0	33.44	8.1	24.3	0.96
12	09 May 2016	3	17.10	84.26	8.0	33.44	8.1	24.3	1.02
12	09 May 2016	4	17.09	84.22	8.0	33.44	8.1	24.3	1.10
12	09 May 2016	5	17.09	84.23	7.9	33.44	8.1	24.3	1.15
12	09 May 2016	6	17.07	83.88	7.9	33.44	8.1	24.3	1.18
12	09 May 2016	7	17.05	83.75	7.9	33.44	8.1	24.3	1.10
12	09 May 2010	8	16.96	83.36	7.9	33.44	8.1	24.3	1.35
12	09 May 2016	9	16.59	82.51	8.1	33.46	8.1	24.4	1.54
12	09 May 2010	10	16.43	81.66	8.3	33.46	8.1	24.5	1.76
12	09 May 2016	11	15.84	80.70	8.6	33.47	8.1	24.6	2.26
12	09 May 2016	12	15.38	80.32	8.7	33.46	8.1	24.7	3.12
12	09 May 2010	13	14.97	82.05	7.8	33.47	8.1	24.8	3.81
12	09 May 2010 09 May 2016	13	13.92	78.39	7.2	33.47	8.0	24.0	4.51
12	09 May 2016 09 May 2016	14	12.97	78.39	6.4	33.49	7.9	25.0	4.53
12	09 May 2016 09 May 2016	16	12.97	82.74	5.8	33.49	7.9	25.2	3.78
12	09 May 2016 09 May 2016	17	12.00	82.82	5.8	33.46	7.9	25.3	3.48
12			12.57	82.66	5.8		7.8	25.3	
	09 May 2016	18				33.46			3.54
12	09 May 2016	19	12.50	83.01	5.7	33.46	7.8	25.3	3.40
12	09 May 2016	20	12.47	83.85	5.7	33.47	7.8	25.3	2.95
12	09 May 2016	21	12.43	83.56	5.7	33.47	7.8	25.3	2.72
12	09 May 2016	22	12.40	83.83	5.7	33.48	7.8	25.3	2.69
12	09 May 2016	23	12.38	83.75	5.6	33.48	7.8	25.3	2.70
12	09 May 2016	24	12.37	84.22	5.6	33.48	7.8	25.3	2.42
12	09 May 2016	25	12.36	84.58	5.6	33.48	7.8	25.3	2.30
12	09 May 2016	26	12.35	84.52	5.6	33.49	7.8	25.3	2.31
12	09 May 2016	27	12.33	84.70	5.5	33.49	7.8	25.4	2.40
12	09 May 2016	28	12.33	85.24	5.5	33.49	7.8	25.4	2.36
12	09 May 2016	29	12.31	85.55	5.5	33.49	7.8	25.4	1.95
12	09 May 2016	30	12.29	86.04	5.4	33.50	7.8	25.4	1.73
12	09 May 2016	31	12.28	86.25	5.4	33.50	7.8	25.4	1.63
12	09 May 2016	32	12.27	85.45	5.3	33.50	7.8	25.4	1.65
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13	09 May 2016	1	17.27	81.89	8.1	33.43	8.1	24.2	0.73
13	09 May 2016	2	17.25	81.85	8.0	33.43	8.1	24.2	0.75
13	09 May 2016	3	17.20	81.68	8.1	33.43	8.1	24.3	0.83
13	09 May 2016	4	17.16	81.44	8.1	33.43	8.1	24.3	0.91
13	09 May 2016	5	17.11	81.20	8.0	33.43	8.1	24.3	1.02
13	09 May 2016	6	17.00	80.86	8.0	33.43	8.1	24.3	1.14
13	09 May 2016	7	16.86	80.51	8.1	33.44	8.1	24.3	1.28
13	09 May 2016	8	16.76	80.26	8.0	33.44	8.1	24.4	1.35
13	09 May 2016	9	16.51	80.46	8.1	33.45	8.1	24.4	1.43
13	09 May 2016	10	16.42	80.88	8.2	33.46	8.1	24.5	1.55
13	09 May 2016	11	16.40	80.90	8.1	33.46	8.1	24.5	1.66
13	09 May 2016	12	16.33	81.01	8.0	33.46	8.1	24.5	1.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (µg/L)
13	09 May 2016	13	15.86	80.78	8.0	33.49	8.1	24.6	2.01
13	09 May 2016	14	15.07	79.40	7.9	33.50	8.1	24.8	2.80
13	09 May 2016	15	14.06	76.96	7.6	33.49	8.0	25.0	4.29
13	09 May 2016	16	13.78	77.19	7.2	33.47	8.0	25.1	4.98
13	09 May 2016	17	13.70	77.64	7.1	33.47	8.0	25.1	5.16
13	09 May 2016	18	13.69	78.07	7.1	33.47	8.0	25.1	5.25
13	09 May 2016	19	13.62	78.89	7.0	33.47	8.0	25.1	4.93
13	09 May 2016	20	13.52	79.80	6.9	33.47	8.0	25.1	4.35
13	09 May 2016	21	13.41	80.54	6.8	33.47	7.9	25.1	4.17
13	09 May 2016	22	13.23	80.82	6.6	33.48	7.9	25.2	3.91
13	09 May 2016	23	13.07	80.83	6.4	33.48	7.9	25.2	3.78
13	09 May 2016	24	13.03	80.51	6.4	33.47	7.9	25.2	3.63
13	09 May 2016	25	13.02	80.18	6.3	33.48	7.9	25.2	3.60
13	09 May 2016	26	13.01	79.84	6.4	33.48	7.9	25.2	3.66
13	09 May 2016	27	13.00	79.50	6.4	33.48	7.9	25.2	3.83
14	09 May 2016	1	17.08	73.61	8.3	33.42	8.1	24.3	1.18
14	09 May 2016	2	16.99	73.57	8.3	33.43	8.1	24.3	1.27
14	09 May 2016	3	16.79	73.78	8.3	33.43	8.1	24.4	1.50
14	09 May 2016	4	16.63	74.86	8.2	33.43	8.1	24.4	1.76
14	09 May 2016	5	16.48	76.86	8.2	33.44	8.1	24.4	1.91
14	09 May 2016	6	16.32	79.05	8.2	33.45	8.1	24.5	2.03
14	09 May 2016	7	16.30	79.59	8.2	33.45	8.1	24.5	2.13
14	09 May 2016	8	16.26	79.59	8.2	33.45	8.1	24.5	2.32
I4 I4	09 May 2016	9	16.00	79.43	8.2	33.46	8.1	24.6	2.64
14	09 May 2010	10	15.72	78.36	8.2	33.47	8.1	24.6	3.11
14	09 May 2010	11	15.22	76.22	8.1	33.47	8.1	24.7	3.92
I4 I4	09 May 2016	12	15.11	76.57	8.1	33.48	8.0	24.8	4.48
14	09 May 2010	13	15.10	78.03	8.0	33.48	8.0	24.8	4.63
14	09 May 2010 09 May 2016	14	15.00	78.03	8.0	33.49	8.0	24.8	4.46
14	09 May 2010 09 May 2016	14	14.80	74.53	7.9	33.48	8.0	24.8	4.40
14	09 May 2010 09 May 2016	16	14.63	74.33	7.8	33.47	8.0	24.0	4.66
14 14	09 May 2016 09 May 2016	17	14.63	72.28	7.8	33.47	8.0	24.9	4.00
14 14	09 May 2016 09 May 2016	17	14.57	72.28	7.7	33.47	8.0	24.9	4.73
14	09 May 2016	10	14.52	/ 2.40	1.1	33.47	0.0	24.9	4.00
15	09 May 2016	1	16.80	70.85	8.2	33.44	8.1	24.4	1.41
				70.85			8.1		
15	09 May 2016 09 May 2016	2	16.78		8.2 8.2	33.44	8.1	24.4	1.47
15	•	3	16.72	70.08		33.44		24.4	1.84
15	09 May 2016	4	16.63	69.41	8.2	33.44	8.1	24.4	2.22
15	09 May 2016	5	16.51	68.49	8.2	33.44	8.1	24.4	2.58
15	09 May 2016	6	16.43	67.61	8.2	33.44	8.1	24.4	3.00
15	09 May 2016	7	16.05	72.10	8.2	33.46	8.1	24.6	3.27
15	09 May 2016	8	15.85	78.08	8.3	33.47	8.1	24.6	3.08
15	09 May 2016	9	15.74	77.59	8.3	33.46	8.1	24.6	3.23
15	09 May 2016	10	15.55	76.58	8.2	33.46	8.1	24.7	3.54
15	09 May 2016	11	15.37	77.01	8.2	33.46	8.1	24.7	3.73
15	09 May 2016	12	15.33	73.70	8.2	33.46	8.1	24.7	3.87
15	09 May 2016	13	15.24	61.53	8.1	33.47	8.0	24.7	3.84
15	09 May 2016	14	15.13	39.35	8.0	33.47	8.0	24.8	4.14
16	09 May 2016	1	17.81	73.36	8.2	33.42	8.1	24.1	0.99
16	09 May 2016	2	17.80	75.08	8.2	33.42	8.1	24.1	1.03
16	09 May 2016	3	17.74	75.12	8.2	33.42	8.1	24.1	1.17
16	09 May 2016	4	17.57	75.03	8.2	33.43	8.1	24.2	1.37
16	09 May 2016	5	17.28	76.72	8.1	33.43	8.1	24.2	1.76

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
l6	09 May 2016	6	16.86	80.67	8.2	33.45	8.1	24.4	1.93
16	09 May 2016	7	16.78	81.47	8.3	33.44	8.1	24.4	1.91
16	09 May 2016	8	16.37	81.16	8.4	33.45	8.1	24.5	1.89
l6	09 May 2016	9	16.02	80.00	8.6	33.45	8.1	24.6	2.10
l6	09 May 2016	10	15.68	79.20	8.8	33.46	8.1	24.6	2.39
l6	09 May 2016	11	15.15	78.10	9.0	33.47	8.1	24.8	2.81
16	09 May 2016	12	14.61	76.15	8.9	33.47	8.1	24.9	3.50
l6	09 May 2016	13	14.27	73.43	8.5	33.47	8.1	24.9	4.55
l6	09 May 2016	14	13.91	73.41	7.6	33.47	8.0	25.0	5.63
l6	09 May 2016	15	13.62	76.31	7.1	33.47	8.0	25.1	6.15
l6	09 May 2016	16	13.57	76.50	7.0	33.47	8.0	25.1	6.29
16	09 May 2016	17	13.43	76.98	6.8	33.47	8.0	25.1	6.29
16	09 May 2016	18	13.24	77.18	6.7	33.47	7.9	25.2	5.81
16	09 May 2016	19	13.17	78.62	6.6	33.47	7.9	25.2	4.99
l6	09 May 2016	20	13.13	79.91	6.4	33.48	7.9	25.2	4.08
16	09 May 2016	21	13.11	79.42	6.3	33.48	7.9	25.2	3.52
16	09 May 2016	22	13.11	78.96	6.3	33.48	7.9	25.2	3.20
16	09 May 2016	23	13.11	78.59	6.3	33.48	7.9	25.2	3.15
16	09 May 2016	24	13.11	78.12	6.3	33.48	7.9	25.2	3.03
16	09 May 2016	25	13.11	77.76	6.3	33.49	7.9	25.2	3.19
16	09 May 2016	26	13.11	74.91	6.4	33.49	7.9	25.2	3.26
10	00 May 2010	20	10.11	74.01	0.4	00.10	1.0	20.2	0.20
17	09 May 2016	1	17.05	83.67	7.8	33.50	8.1	24.3	1.29
17	09 May 2016	2	17.05	83.75	7.8	33.50	8.1	24.3	1.35
17	09 May 2010 09 May 2016	3	17.05	83.75	7.8	33.50	8.1	24.3	1.43
17	09 May 2010 09 May 2016	4	17.03	83.63	7.8	33.50	8.1	24.3	1.43
17	09 May 2016 09 May 2016	5	16.99	83.60	7.8	33.50 33.50	8.1	24.4	1.40
17	09 May 2016 09 May 2016	6		83.45	7.6		8.1	24.4	1.63
17	-	7	16.91 16.78	83.70	7.6	33.50	8.1	24.4 24.4	1.03
17	09 May 2016					33.50			
17 17	09 May 2016	8	16.62	84.47	7.5	33.49	8.0	24.4	1.66
	09 May 2016	9	16.13	85.29	7.4	33.50	8.0	24.6	1.58
17	09 May 2016	10	15.67	85.11	7.5	33.49	8.0	24.7	1.73
17	09 May 2016	11	15.39	82.88	7.7	33.49	8.0	24.7	2.26
17	09 May 2016	12	14.91	80.39	7.6	33.48	8.0	24.8	3.14
17	09 May 2016	13	14.23	78.19	7.3	33.48	8.0	25.0	3.93
17	09 May 2016	14	13.64	80.29	7.1	33.47	8.0	25.1	4.14
17	09 May 2016	15	13.36	82.01	7.0	33.45	8.0	25.1	3.97
17	09 May 2016	16	13.31	82.63	6.9	33.45	7.9	25.1	3.68
17	09 May 2016	17	13.30	83.03	6.9	33.45	7.9	25.1	3.54
17	09 May 2016	18	13.25	83.20	6.8	33.45	7.9	25.1	3.54
17	09 May 2016	19	13.08	83.86	6.6	33.45	7.9	25.2	3.36
17	09 May 2016	20	13.01	84.44	6.4	33.45	7.9	25.2	3.26
17	09 May 2016	21	12.89	84.94	6.3	33.45	7.9	25.2	2.94
17	09 May 2016	22	12.72	85.65	6.1	33.45	7.9	25.3	2.66
17	09 May 2016	23	12.55	86.00	6.0	33.47	7.9	25.3	2.43
17	09 May 2016	24	12.51	86.25	5.9	33.48	7.9	25.3	2.19
17	09 May 2016	25	12.44	86.08	5.8	33.49	7.8	25.3	2.08
17	09 May 2016	26	12.36	86.49	5.7	33.49	7.8	25.3	1.99
17	09 May 2016	27	12.26	86.53	5.6	33.49	7.8	25.4	1.96
17	09 May 2016	28	12.17	86.51	5.5	33.49	7.8	25.4	1.90
17	09 May 2016	29	12.09	86.61	5.5	33.50	7.8	25.4	1.91
17	09 May 2016	30	11.99	86.58	5.3	33.50	7.8	25.4	1.83
17	09 May 2016	31	11.82	86.46	5.2	33.51	7.8	25.5	1.78
17	09 May 2016	32	11.69	86.57	5.1	33.51	7.8	25.5	1.71
17	09 May 2016	33	11.64	86.75	5.1	33.51	7.8	25.5	1.72

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (µg/L)
17	09 May 2016	34	11.55	87.08	5.0	33.52	7.8	25.5	1.63
17	09 May 2016	35	11.49	87.36	5.0	33.52	7.8	25.5	1.56
17	09 May 2016	36	11.43	87.50	5.0	33.53	7.8	25.6	1.41
17	09 May 2016	37	11.37	87.39	4.9	33.53	7.8	25.6	1.32
17	09 May 2016	38	11.31	87.47	4.8	33.54	7.8	25.6	1.32
17	09 May 2016	39	11.25	87.36	4.7	33.54	7.8	25.6	1.21
17	09 May 2016	40	11.18	87.02	4.7	33.55	7.7	25.6	1.14
17	09 May 2016	41	11.09	87.16	4.7	33.55	7.7	25.6	1.05
17	09 May 2016	42	11.03	87.23	4.7	33.56	7.7	25.7	0.98
17	09 May 2016	43	10.99	87.14	4.6	33.56	7.7	25.7	0.93
17	09 May 2016	44	10.95	87.04	4.5	33.57	7.7	25.7	0.89
17	09 May 2016	45	10.89	86.94	4.5	33.58	7.7	25.7	0.84
17	09 May 2016	46	10.85	86.93	4.5	33.58	7.7	25.7	0.81
17	09 May 2016	47	10.84	87.20	4.5	33.58	7.7	25.7	0.75
17	09 May 2016	48	10.80	87.20	4.5	33.59	7.7	25.7	0.72
17	09 May 2016	49	10.00	87.04	4.4	33.59	7.7	25.7	0.69
17	09 May 2010 09 May 2016	50	10.76	87.04	4.4	33.59	7.7	25.7	0.68
17	09 May 2016 09 May 2016	50	10.75	87.07	4.4	33.60	7.7	25.7	0.65
17	03 Way 2010		10.75	07.09	+	55.00	'.'	20.1	0.00
18	09 May 2016	1	17.74	87.27	7.7	33.48	8.1	24.2	0.51
18	09 May 2010 09 May 2016	2	17.74	84.08	7.7	33.48	8.1	24.2	0.52
18	-	3						24.2	
	09 May 2016		17.72	87.42	7.6	33.48	8.1		0.53
18	09 May 2016	4	17.57	87.34	7.6	33.48	8.1	24.2	0.56
18	09 May 2016	5	17.50	87.31	7.8	33.48	8.1	24.2	0.59
18	09 May 2016	6	17.45	87.23	7.7	33.48	8.1	24.2	0.65
18	09 May 2016	7	17.31	87.35	7.8	33.49	8.1	24.3	0.66
18	09 May 2016	8	17.19	87.01	7.8	33.49	8.1	24.3	0.77
18	09 May 2016	9	17.18	87.04	7.8	33.49	8.1	24.3	0.81
18	09 May 2016	10	17.18	86.95	7.7	33.49	8.1	24.3	0.81
18	09 May 2016	11	17.07	83.77	7.7	33.49	8.1	24.3	0.82
18	09 May 2016	12	16.94	87.18	7.8	33.48	8.1	24.4	0.87
18	09 May 2016	13	16.74	87.41	7.8	33.49	8.1	24.4	0.91
18	09 May 2016	14	16.66	87.17	7.8	33.48	8.1	24.4	1.00
18	09 May 2016	15	16.53	86.69	7.7	33.49	8.1	24.5	1.14
18	09 May 2016	16	16.12	86.02	7.4	33.48	8.1	24.6	1.46
18	09 May 2016	17	14.50	84.82	7.1	33.53	8.0	24.9	2.07
18	09 May 2016	18	13.56	86.31	6.8	33.49	8.0	25.1	2.05
18	09 May 2016	19	13.17	86.23	6.4	33.48	7.9	25.2	1.95
18	09 May 2016	20	12.89	86.43	6.2	33.47	7.9	25.2	2.24
18	09 May 2016	21	12.73	87.52	6.0	33.47	7.9	25.3	2.02
18	09 May 2016	22	12.59	84.99	5.8	33.46	7.9	25.3	1.74
18	09 May 2016	23	12.46	88.01	5.7	33.47	7.8	25.3	1.65
18	09 May 2016	24	12.30	87.79	5.5	33.48	7.8	25.3	1.69
18	09 May 2016	25	12.27	87.91	5.4	33.48	7.8	25.4	1.48
18	09 May 2016	26	12.25	87.79	5.3	33.49	7.8	25.4	1.50
18	09 May 2016	27	12.24	87.61	5.2	33.49	7.8	25.4	1.35
18	09 May 2016	28	12.24	87.01	5.2	33.49	7.8	25.4	1.21
18	09 May 2016	29	12.24	86.20	5.2	33.50	7.8	25.4	1.35
18	09 May 2016	30	12.22	86.78	5.2	33.50	7.8	25.4	1.34
18	09 May 2016	31	12.21	86.65	5.1	33.50	7.8	25.4	1.44
18	09 May 2016	32	12.20	86.56	5.1	33.50	7.8	25.4	1.86
18	09 May 2016	33	12.18	86.04	5.1	33.50	7.8	25.4	1.60
18	09 May 2016	34	12.17	86.37	5.1	33.51	7.8	25.4	1.52
18	09 May 2010	35	12.17	86.01	5.1	33.51	7.8	25.4	1.45
18	09 May 2010 09 May 2016	36	12.17	80.87	5.1	33.51	7.8	25.4 25.4	1.43
10	03 May 2010		12.17	00.07	J. I	55.51	1.0	20.4	1.43

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
10	00 May 2016	1	17.89	83.47	8.0	22 42	8.1	24.1	0.65
19 19	09 May 2016	1 2	17.89	83.94	8.0	33.42 33.42	8.1	24.1 24.1	0.65
19	09 May 2016 09 May 2016	3	17.85	83.77	8.0	33.42	8.1	24.1	0.05
19	-	3 4	17.65	83.50	8.0	33.42 33.41	8.1	24.1	0.72
19	09 May 2016	4 5	17.70	83.85	8.0	33.41	8.1	24.1	0.80
19	09 May 2016 09 May 2016	5 6	17.66	83.54	8.0	33.41	8.1	24.1	0.94 0.91
19	09 May 2016 09 May 2016	7	17.61	82.52	7.9	33.42	8.1	24.1	1.09
19	09 May 2016 09 May 2016	8	17.37	82.52	7.9	33.42 33.46	8.1	24.2	1.09
19	09 May 2016 09 May 2016	9	17.06	82.90	8.0	33.48	8.1	24.2	1.33
19	09 May 2010	10	16.70	82.78	8.0	33.49	8.1	24.4	2.13
19	09 May 2010	10	16.46	83.26	7.9	33.48	8.1	24.5	2.15
19	09 May 2010	12	16.12	83.61	8.0	33.47	8.1	24.5	2.20
19	09 May 2010	13	14.87	80.82	8.2	33.48	8.1	24.8	3.00
19	09 May 2010	14	13.86	73.69	8.0	33.48	8.0	25.0	4.66
19	09 May 2010	15	13.58	72.68	7.4	33.46	8.0	25.1	6.06
19	09 May 2016	16	13.19	76.84	6.8	33.46	8.0	25.2	5.88
19	09 May 2010	17	13.05	81.81	6.4	33.46	7.9	25.2	4.58
19	09 May 2016	18	13.03	83.95	6.3	33.46	7.9	25.2	3.84
19	09 May 2016	19	12.88	85.56	6.1	33.47	7.9	25.2	3.08
19	09 May 2016	20	12.86	85.93	6.0	33.47	7.9	25.2	2.24
19	09 May 2016	21	12.85	85.97	6.0	33.48	7.9	25.2	1.94
19	09 May 2016	22	12.83	86.51	5.9	33.48	7.9	25.3	1.86
19	09 May 2016	23	12.76	85.95	5.8	33.49	7.9	25.3	1.93
19	09 May 2016	24	12.70	85.35	5.7	33.50	7.8	25.3	2.00
19	09 May 2016	25	12.66	85.99	5.7	33.50	7.8	25.3	1.77
19	09 May 2016	26	12.63	85.28	5.6	33.50	7.8	25.3	1.92
19	09 May 2016	27	12.62	84.73	5.6	33.50	7.8	25.3	2.04
19	09 May 2016	28	12.61	84.16	5.6	33.50	7.8	25.3	1.82
19	09 May 2016	29	12.61	82.13	5.5	33.50	7.8	25.3	1.83
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I10	09 May 2016	1	17.90	78.55	8.3	33.42	8.1	24.1	0.90
I10	09 May 2016	2	17.88	78.49	8.2	33.42	8.1	24.1	0.91
I10	09 May 2016	3	17.17	77.86	8.2	33.45	8.1	24.3	1.19
I10	09 May 2016	4	16.65	77.58	8.3	33.44	8.1	24.4	1.57
I10	09 May 2016	5	15.39	72.24	8.3	33.48	8.1	24.7	1.82
I10	09 May 2016	6	14.85	68.88	8.1	33.46	8.0	24.8	2.53
I10	09 May 2016	7	14.76	67.94	7.9	33.45	8.0	24.8	2.96
I10	09 May 2016	8	14.64	67.86	7.8	33.46	8.0	24.9	3.34
I10	09 May 2016	9	14.60	68.33	7.7	33.46	8.0	24.9	3.74
I10	09 May 2016	10	14.48	68.87	7.6	33.46	8.0	24.9	4.01
I10	09 May 2016	11	14.35	70.14	7.6	33.47	8.0	24.9	4.44
I10	09 May 2016	12	14.29	70.91	7.5	33.47	8.0	24.9	4.46
I10	09 May 2016	13	14.12	71.45	7.4	33.48	8.0	25.0	4.25
I10	09 May 2016	14	14.10	72.50	7.3	33.47	8.0	25.0	4.03
I10	09 May 2016	15	13.88	73.22	7.1	33.48	8.0	25.0	3.75
I10	09 May 2016	16	13.84	74.07	7.0	33.48	8.0	25.0	3.49
I10	09 May 2016	17	13.78	73.30	6.8	33.48	8.0	25.1	3.22
I10	09 May 2016	18	13.65	72.16	6.6	33.49	7.9	25.1	2.87
I10	09 May 2016	19	13.65	72.16	6.5	33.49	7.9	25.1	2.72
111	09 May 2016	1	17.72	75.84	8.4	33.42	8.1	24.1	1.19
I11	09 May 2016	2	17.52	74.91	8.3	33.41	8.1	24.2	1.42
111	09 May 2016	3	16.87	69.17	8.3	33.43	8.1	24.3	2.46
I11	09 May 2016	4	16.38	69.58	8.5	33.45	8.1	24.5	3.41
111	09 May 2016	4	10.38	09.58	Ö.Ə	JJ.45	0.1	24.5	3.41

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
111	09 May 2016	5	16.12	77.95	8.6	33.44	8.1	24.5	3.16
111	09 May 2016	6	15.91	78.62	8.6	33.45	8.1	24.6	2.53
l11	09 May 2016	7	15.83	76.49	8.5	33.45	8.1	24.6	2.51
111	09 May 2016	8	15.77	72.35	8.4	33.44	8.1	24.6	2.62
111	09 May 2016	9	15.52	66.68	8.0	33.45	8.1	24.7	2.80
111	09 May 2016	10	15.37	64.12	7.7	33.45	8.0	24.7	2.94
111	09 May 2016	11	15.30	61.94	7.5	33.45	8.0	24.7	2.94
l11	09 May 2016	12	15.29	61.28	7.5	33.45	8.0	24.7	2.92
l11	09 May 2016	13	15.29	60.51	7.5	33.45	8.0	24.7	2.88
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I12	10 May 2016	1	17.56	84.37	8.2	33.45	8.2	24.2	0.81
I12	10 May 2016	2	17.55	84.37	8.2	33.45	8.2	24.2	0.82
I12	10 May 2016	3	17.55	84.41	8.2	33.45	8.2	24.2	0.83
l12	10 May 2016	4	17.54	84.30	8.2	33.45	8.2	24.2	0.90
112	10 May 2016	5	17.53	84.27	8.2	33.45	8.2	24.2	0.96
112	10 May 2016	6	17.52	84.17	8.2	33.45	8.2	24.2	0.99
l12	10 May 2016	7	17.51	84.23	8.2	33.45	8.2	24.2	1.03
112	10 May 2016	8	17.51	84.23	8.2	33.45	8.2	24.2	1.07
112	10 May 2016	9	17.50	84.25	8.1	33.45	8.2	24.2	1.11
l12	10 May 2016	10	17.42	83.53	8.2	33.45	8.2	24.2	1.14
l12	10 May 2016	11	17.41	83.61	8.3	33.45	8.2	24.2	1.22
l12	10 May 2016	12	17.36	83.57	8.2	33.45	8.2	24.2	1.31
112	10 May 2016	13	17.10	83.15	8.2	33.45	8.2	24.3	1.41
112	10 May 2016	14	16.66	83.42	8.0	33.45	8.2	24.4	1.48
112	10 May 2016	15	16.02	83.66	7.4	33.42	8.2	24.5	1.61
112	10 May 2016	16	14.29	84.68	6.4	33.36	8.1	24.9	1.63
112	10 May 2016	17	13.04	84.94	5.8	33.34	8.0	25.1	1.57
112	10 May 2016	18	13.04	82.60	5.9	33.42	8.0	25.2	1.91
112	10 May 2016	19	13.10	82.07	6.1	33.45	8.0	25.2	2.24
112	10 May 2016	20	13.13	81.71	6.1	33.47	8.0	25.2	2.64
112	10 May 2016	21	13.11	81.77	6.0	33.48	8.0	25.2	2.61
112	10 May 2016	22	13.07	82.55	6.0	33.48	8.0	25.2	2.70
112	10 May 2016	23	12.91	83.74	5.9	33.48	8.0	25.2	2.63
112	10 May 2016	24	12.90	84.85	5.8	33.48	8.0	25.2	2.41
112	10 May 2016	25	12.64	85.11	5.5	33.50	8.0	25.3	2.28
112	10 May 2016	26	12.57	85.60	5.3	33.50	7.9	25.3	2.01
112	10 May 2016	27	12.56	85.38	5.2	33.50	7.9	25.3	1.96
112	10 May 2010	28	12.50	85.40	5.3	33.50	7.9	25.3	1.94
112	10 10 2010	20	12.07	00.40	0.0	00.00	1.5	20.0	1.04
113	09 May 2016	1	17.58	87.24	7.7	33.48	8.1	24.2	0.53
113	09 May 2016	2	17.60	87.32	7.7	33.48	8.1	24.2	0.51
113	09 May 2010	3	17.45	87.31	7.6	33.49	8.1	24.2	0.52
113	09 May 2010 09 May 2016	4	17.43	88.03	7.7	33.49	8.1	24.2	0.52
113	09 May 2010	5	17.09	87.85	7.6	33.49	8.1	24.3	0.55
113	09 May 2010 09 May 2016	6	16.96	87.65	7.8	33.49	8.1	24.3	0.58
113	09 May 2010 09 May 2016	7	16.84	87.61	7.7	33.49	8.1	24.4	0.62
113	09 May 2010 09 May 2016	8	16.72	87.62	7.7	33.49	8.1	24.4	0.68
113	09 May 2010 09 May 2016	9	16.63	87.92	7.6	33.49	8.1	24.4	0.64
113	09 May 2016 09 May 2016	10	16.19	87.88	7.6	33.49	8.0	24.4 24.5	0.66
113	09 May 2016 09 May 2016	10	15.87	87.30	7.6	33.49 33.49	8.0 8.0	24.5 24.6	0.68
113	09 May 2016 09 May 2016	12	15.66	88.03	7.6	33.49 33.49	8.0 8.0	24.0 24.7	0.00
113	09 May 2016 09 May 2016	12	15.60	88.03 88.23	7.6	33.49 33.48	8.0 8.0	24.7 24.7	0.70
I13 I13	-	13			7.5			24.7 24.7	0.78
	09 May 2016		15.46	88.14		33.49	8.0		
I13	09 May 2016	15	15.22	87.79 87.25	7.5	33.49	8.0	24.8	0.88
I13	09 May 2016	16	15.02	87.35	7.5	33.49	8.0	24.8	1.06

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
113	09 May 2016	17	14.45	86.27	7.2	33.49	8.0	24.9	1.38
I13	09 May 2016	18	13.74	86.94	6.9	33.49	8.0	25.1	1.50
I13	09 May 2016	19	13.47	87.52	6.5	33.48	7.9	25.1	1.51
I13	09 May 2016	20	12.96	87.83	6.1	33.49	7.9	25.2	1.37
113	09 May 2016	21	12.81	88.26	5.9	33.48	7.9	25.3	1.31
113	09 May 2016	22	12.63	88.28	5.8	33.48	7.9	25.3	1.28
I13	09 May 2016	23	12.55	88.07	5.7	33.48	7.8	25.3	1.31
I13	09 May 2016	24	12.39	88.35	5.5	33.48	7.8	25.3	1.33
I13	09 May 2016	25	12.32	88.49	5.3	33.49	7.8	25.4	1.23
I13	09 May 2016	26	12.29	88.45	5.2	33.49	7.8	25.4	1.11
113	09 May 2016	27	12.28	88.05	5.1	33.50	7.8	25.4	0.99
113	09 May 2016	28	12.23	87.88	5.0	33.50	7.8	25.4	1.17
113	09 May 2016	29	12.19	87.45	5.0	33.50	7.8	25.4	1.22
I13	09 May 2016	30	12.17	87.28	5.0	33.50	7.8	25.4	1.29
I13	09 May 2016	31	12.14	87.08	5.0	33.51	7.8	25.4	1.31
I13	09 May 2016	32	12.12	87.06	4.9	33.51	7.8	25.4	1.38
113	09 May 2016	33	12.11	87.00	4.9	33.51	7.8	25.4	1.39
113	09 May 2016	34	12.07	86.61	4.9	33.51	7.8	25.4	1.44
113	09 May 2016	35	12.06	86.56	4.9	33.51	7.8	25.4	1.54
113	09 May 2016	36	12.05	86.74	4.9	33.51	7.8	25.4	1.47
113	09 May 2016	37	12.05	86.09	4.9	33.51	7.8	25.4	1.44
113	09 May 2016	38	12.05	85.98	4.9	33.51	7.8	25.4	1.38
	00 may 2010		12.00	00.00		00.01	1.0	20.1	
I14	10 May 2016	1	17.63	85.73	8.2	33.45	8.2	24.2	0.80
114	10 May 2016	2	17.61	85.08	8.2	33.45	8.2	24.2	0.84
114	10 May 2016	3	17.59	85.20	8.2	33.45	8.2	24.2	0.88
114	10 May 2016	4	17.59	85.10	8.1	33.45	8.2	24.2	0.92
114	10 May 2016	5	17.58	85.24	8.2	33.45	8.2	24.2	1.01
114	10 May 2016	6	17.58	85.23	8.2	33.45	8.2	24.2	1.01
114	10 May 2010	7	17.30	85.00	8.2	33.45	8.2	24.2	1.03
114	10 May 2010	8	17.42	85.06	8.3	33.45	8.2	24.2	1.06
114	10 May 2016	9	17.40	84.94	8.2	33.45	8.2	24.2	1.17
114	10 May 2010	10	17.39	84.95	8.2	33.45	8.2	24.2	1.17
114	10 May 2010	11	17.33	84.68	8.2	33.45	8.2	24.2	1.17
114	10 May 2010	12	17.30	84.30	8.3	33.45	8.2	24.2	1.23
114	10 May 2010	13	17.20	84.26	8.3	33.45	8.2	24.3	1.50
114	10 May 2016 10 May 2016	13	17.20	83.80	8.3	33.45 33.45	0.2 8.2	24.3 24.3	1.69
114 114	10 May 2016 10 May 2016	14		83.80	8.3		8.2 8.2	24.3 24.3	2.03
114 114	-		16.93			33.45			
114 114	10 May 2016	16 17	16.64 16.12	82.76	8.3 8.2	33.45 33.46	8.2 8.2	24.4	2.13
	10 May 2016	17	16.12	82.44	8.2	33.46	8.2	24.5	2.32
114	10 May 2016	18	15.88	81.64	8.1	33.45	8.2	24.6	2.56
I14	10 May 2016	19	14.83	80.64	7.7	33.46	8.1	24.8	2.70
114	10 May 2016	20	14.28	80.45	7.4	33.45	8.1	24.9	3.10
114	10 May 2016	21	13.75	79.97	7.1	33.47	8.1	25.1	3.32
114	10 May 2016	22	13.53	79.16	6.7	33.47	8.0	25.1	3.42
114	10 May 2016	23	13.39	79.15	6.3	33.47	8.0	25.1	3.37
114	10 May 2016	24	13.13	82.70	6.0	33.48	8.0	25.2	2.96
114	10 May 2016	25	13.02	84.30	5.8	33.48	8.0	25.2	2.66
I14	10 May 2016	26	12.85	83.92	5.6	33.49	8.0	25.2	2.45
114	10 May 2016	27	12.74	83.43	5.4	33.49	7.9	25.3	2.28
I14	10 May 2016	28	12.70	83.15	5.4	33.49	7.9	25.3	2.23
14 5	10 May 2010	4	17 70	05.04	0.0	22.44	0.0	24.4	0.70
I15	10 May 2016	1	17.73	85.34	8.2	33.44	8.2	24.1	0.76
115	10 May 2016	2	17.68	85.27	8.2	33.44	8.2	24.2	0.77
I15	10 May 2016	3	17.60	84.84	8.2	33.44	8.2	24.2	0.79

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
I15	10 May 2016	4	17.59	84.77	8.3	33.44	8.2	24.2	0.83
I15	10 May 2016	5	17.57	84.74	8.3	33.44	8.2	24.2	0.91
I15	10 May 2016	6	17.56	84.71	8.2	33.44	8.2	24.2	0.96
I15	10 May 2016	7	17.54	84.61	8.3	33.44	8.2	24.2	1.10
115	10 May 2016	8	17.52	84.62	8.2	33.44	8.2	24.2	1.10
115	10 May 2016	9	17.49	84.57	8.3	33.44	8.2	24.2	1.15
115	10 May 2016	10	17.46	84.74	8.2	33.44	8.2	24.2	1.21
115	10 May 2016	11	17.44	84.52	8.3	33.44	8.2	24.2	1.37
115	10 May 2016	12	17.39	84.39	8.3	33.44	8.2	24.2	1.40
115	10 May 2016	13	17.29	84.07	8.3	33.44	8.2	24.3	1.64
115	10 May 2016	14	17.23	83.97	8.3	33.44	8.2	24.3	1.61
115	10 May 2016	15	17.19	83.69	8.2	33.44	8.2	24.3	1.81
115	10 May 2016	16	17.08	83.54	8.2	33.45	8.2	24.3	1.78
115	10 May 2016	17	16.94	83.88	8.2	33.45	8.2	24.3	1.90
115	10 May 2016	18	16.57	83.52	7.9	33.45	8.2	24.4	1.82
115	10 May 2016	19	15.65	83.76	7.5	33.41	8.1	24.6	1.94
115	10 May 2016	20	15.34	83.62	7.1	33.37	8.1	24.6	2.23
115	10 May 2016	21	13.78	83.42	6.4	33.41	8.1	25.0	2.06
115	10 May 2016	22	13.05	83.47	5.9	33.39	8.0	25.1	2.16
115	10 May 2016	23	13.09	82.55	6.0	33.42	8.0	25.2	2.43
115	10 May 2016	24	13.13	82.02	6.1	33.44	8.0	25.2	2.62
115	10 May 2016	25	13.16	81.27	6.1	33.47	8.0	25.2	2.83
115	10 May 2016	26	13.07	82.33	6.1	33.48	8.0	25.2	2.79
115	10 May 2016	27	12.98	83.90	6.0	33.48	8.0	25.2	2.86
115	10 May 2010	28	12.86	84.69	5.8	33.49	8.0	25.2	2.83
115	10 May 2010	20	12.30	85.17	5.5	33.49	8.0	25.2	2.30
115	10 May 2010	30	12.70	85.51	5.3	33.50	7.9	25.3	2.30
115	10 May 2010	31	12.45	85.50	5.2	33.50	7.9	25.3	1.85
115	10 May 2010	51	12.45	05.50	5.2	33.50	1.9	25.5	1.05
116	10 May 2016	1	17.58	84.35	8.2	33.45	8.2	24.2	0.79
116	10 May 2016	2	17.55	84.73	8.3	33.45	8.2	24.2	0.83
116	10 May 2016	3	17.55	84.77	8.2	33.45	8.2	24.2	0.82
116	10 May 2016	4	17.55	84.74	8.2	33.45	8.2	24.2	0.87
116	10 May 2016	5	17.55	84.61	8.2	33.45	8.2	24.2	0.90
116	10 May 2016	6	17.55	84.69	8.3	33.45	8.2	24.2	0.92
116	10 May 2016	7	17.55	84.77	8.2	33.45	8.2	24.2	0.94
116	10 May 2016	8	17.53	84.66	8.3	33.45	8.2	24.2	1.04
116	10 May 2016	9	17.50	84.14	8.2	33.45	8.2	24.2	1.08
116	10 May 2016	10	17.34	83.66	8.2	33.45	8.2	24.2	1.18
116	10 May 2010	11	17.25	83.99	8.3	33.45	8.2	24.3	1.23
116	10 May 2010	12	17.23	84.10	8.3	33.45	8.2	24.3	1.25
116	10 May 2010	13	17.25	84.09	8.2	33.45	8.2	24.3	1.27
116	10 May 2016	14	17.10	83.80	8.2	33.45	8.2	24.3	1.33
116	10 May 2010	14	17.05	83.86	8.2	33.45	8.2	24.3	1.40
116	10 May 2016	16	16.91	83.67	8.1	33.45 33.45	8.2	24.3	1.41
116	10 May 2016 10 May 2016	17	16.03	82.27	8.2	33.45 33.46	0.2 8.2	24.3 24.6	1.40
116	10 May 2016	18	15.80	81.51	8.1	33.40 33.44	8.2	24.0	2.27
116	10 May 2016 10 May 2016	10	15.60	80.49	7.5	33.44 33.43	0.2 8.2	24.6 24.9	2.27
116	10 May 2016 10 May 2016		14.65		6.9		8.1	24.9 25.1	2.65
	-	20		80.86		33.44			
I16	10 May 2016	21	13.31	80.82	6.3	33.46	8.0	25.1	3.00
I16	10 May 2016	22	13.29	80.67	6.2	33.46	8.0	25.1	3.02
116	10 May 2016	23	13.24	80.64	6.1	33.47	8.0	25.2	2.82
116	10 May 2016	24	13.09	82.78	6.0	33.48	8.0	25.2	2.63
116	10 May 2016	25	12.96	84.46	5.8	33.48	8.0	25.2	2.47
116	10 May 2016	26	12.68	84.21	5.5	33.49	8.0	25.3	2.22

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
I16	10 May 2016	27	12.62	84.92	5.3	33.49	7.9	25.3	1.85
I16	10 May 2016	28	12.58	84.86	5.3	33.49	7.9	25.3	1.76
I17	10 May 2016	1	17.55	84.03	8.3	33.45	8.2	24.2	0.82
I17	10 May 2016	2	17.56	83.94	8.3	33.44	8.2	24.2	0.82
I17	10 May 2016	3	17.44	83.85	8.3	33.45	8.2	24.2	0.82
l17	10 May 2016	4	17.41	83.78	8.3	33.45	8.2	24.2	0.87
I17	10 May 2016	5	17.37	83.72	8.2	33.45	8.2	24.2	0.96
l17	10 May 2016	6	17.09	83.85	8.3	33.45	8.2	24.3	1.07
l17	10 May 2016	7	16.78	83.48	8.2	33.45	8.2	24.4	1.25
I17	10 May 2016	8	15.81	82.52	8.1	33.48	8.2	24.6	1.72
I17	10 May 2016	9	14.81	80.92	7.8	33.47	8.1	24.8	1.89
I17	10 May 2016	10	14.19	79.75	7.5	33.45	8.1	24.9	2.18
I17	10 May 2016	11	13.91	79.44	7.3	33.45	8.1	25.0	2.45
I17	10 May 2016	12	13.55	80.24	7.0	33.46	8.1	25.1	2.79
I17	10 May 2016	13	13.44	80.37	6.6	33.47	8.0	25.1	2.90
117	10 May 2016	14	13.36	79.84	6.4	33.47	8.0	25.1	2.87
117	10 May 2016	15	13.33	79.70	6.3	33.47	8.0	25.1	2.86
117	10 May 2016	16	13.31	79.73	6.2	33.48	8.0	25.2	2.89
117	10 May 2016	17	13.27	80.38	6.1	33.48	8.0	25.2	2.79
117	10 May 2016	18	13.13	81.65	5.9	33.48	8.0	25.2	2.63
117	10 May 2016	19	13.02	82.76	5.8	33.49	8.0	25.2	2.37
117	10 May 2016	20	12.86	83.79	5.6	33.49	8.0	25.3	2.10
117	10 May 2016	21	12.73	83.78	5.4	33.49	7.9	25.3	2.05
117	10 May 2016	22	12.71	83.44	5.3	33.49	7.9	25.3	1.95
117	10 May 2016	23	12.71	83.49	5.3	33.50	7.9	25.3	2.07
117	10 May 2010	23	12.72	83.08	5.3	33.50	7.9	25.3	1.91
117	10 May 2010	25	12.72	83.30	5.3	33.50	7.9	25.3	1.92
117	10 May 2010	25	12.71	05.50	5.5	55.50	1.5	23.5	1.52
I18	10 May 2016	1	17.91	75.03	8.8	33.41	8.2	24.1	1.68
I18	10 May 2016	2	17.99	74.86	8.7	33.40	8.2	24.1	1.53
I18	10 May 2016	3	17.85	74.78	8.6	33.41	8.2	24.1	1.79
118	10 May 2010	4	17.55	74.81	8.7	33.43	8.2	24.1	2.83
I18	10 May 2010	5	17.55	74.73	8.7	33.42	8.2	24.2	3.94
I18 I18	10 May 2016	6	17.55	75.65	8.4	33.42 33.45	8.2	24.2	3.94 4.65
I18	10 May 2010	7	16.71	78.55	8.4	33.45	8.2	24.3	5.30
I18 I18	-				7.9		8.2	24.4 24.6	
	10 May 2016	8	15.97	80.08		33.47			4.89
I18	10 May 2016	9	15.04	80.07	7.8	33.49	8.1	24.8	4.07
I18	10 May 2016	10	14.60	80.28	7.8	33.48	8.1	24.9	3.83
I18	10 May 2016	11	14.44	79.35	7.6	33.47	8.1	24.9	3.71
I18	10 May 2016	12	14.23	79.26	7.4	33.47	8.1	25.0	3.57
I18	10 May 2016	13	14.02	79.54	7.3	33.47	8.1	25.0	3.67
I18	10 May 2016	14	13.90	77.21	7.1	33.47	8.1	25.0	3.69
I18	10 May 2016	15	13.85	76.51	6.9	33.47	8.1	25.0	3.51
I18	10 May 2016	16	13.78	76.00	6.8	33.48	8.1	25.1	3.31
I18	10 May 2016	17	13.70	76.13	6.6	33.48	8.0	25.1	3.13
I18	10 May 2016	18	13.57	74.68	6.5	33.48	8.0	25.1	3.10
I18	10 May 2016	19	13.51	68.88	6.4	33.48	8.0	25.1	2.88
100	00 May 00 10	_	47.04	07.07	7.0	00.50		04.0	0.01
120	09 May 2016	1	17.21	87.07	7.6	33.50	8.0	24.3	0.91
120	09 May 2016	2	17.21	87.27	7.6	33.50	8.0	24.3	0.94
120	09 May 2016	3	17.21	87.31	7.6	33.50	8.0	24.3	0.98
120	09 May 2016	4	17.21	87.11	7.6	33.50	8.0	24.3	1.02
120	09 May 2016	5	17.21	87.25	7.6	33.50	8.0	24.3	1.00
120	09 May 2016	6	17.16	87.12	7.6	33.50	8.0	24.3	1.01

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
120	09 May 2016	7	17.12	87.25	7.5	33.50	8.0	24.3	0.96
120	09 May 2016	8	17.07	87.32	7.5	33.50	8.0	24.3	0.99
120	09 May 2016	9	17.02	87.62	7.6	33.50	8.0	24.4	0.95
120	09 May 2016	10	16.90	87.63	7.6	33.50	8.0	24.4	0.94
120	09 May 2016	11	16.65	87.49	7.5	33.50	8.0	24.4	1.00
120	09 May 2016	12	16.57	86.48	7.6	33.49	8.0	24.5	1.13
120	09 May 2016	13	16.36	86.46	7.5	33.50	8.0	24.5	1.27
120	09 May 2016	14	16.22	86.00	7.5	33.49	8.0	24.5	1.45
120	09 May 2016	15	16.16	85.76	7.5	33.49	8.0	24.6	1.57
120	09 May 2016	16	16.07	85.45	7.5	33.49	8.0	24.6	1.70
120	09 May 2016	17	15.96	85.30	7.4	33.49	8.0	24.6	1.95
120	09 May 2016	18	15.66	84.96	7.4	33.50	8.0	24.7	2.03
120	09 May 2016	19	15.46	84.11	7.1	33.48	8.0	24.7	2.19
120	09 May 2016	20	13.98	83.23	6.9	33.50	8.0	25.0	2.45
120	09 May 2016	21	13.64	83.16	6.8	33.48	7.9	25.1	2.55
120	09 May 2016	22	13.43	83.99	6.6	33.46	7.9	25.1	2.74
120	09 May 2016	23	12.85	84.03	6.2	33.45	7.9	25.2	2.68
120	09 May 2016	24	12.40	84.82	5.8	33.45	7.9	25.3	2.71
120	09 May 2016	25	12.22	86.26	5.6	33.45	7.8	25.3	2.42
120	09 May 2016	26	12.01	86.79	5.4	33.46	7.8	25.4	2.21
120	09 May 2016	27	11.86	87.13	5.3	33.46	7.8	25.4	2.23
120	09 May 2016	28	11.80	87.16	5.3	33.47	7.8	25.4	2.05
120	09 May 2016	29	11.70	87.20	5.2	33.49	7.8	25.5	1.99
120	09 May 2016	30	11.59	87.13	5.1	33.50	7.8	25.5	1.77
120	09 May 2016	31	11.58	87.38	5.1	33.51	7.8	25.5	1.73
120	09 May 2016	32	11.47	87.41	5.0	33.51	7.8	25.5	1.53
120	09 May 2016	33	11.33	87.43	4.9	33.52	7.8	25.6	1.34
120	09 May 2016	34	11.31	87.32	4.8	33.52	7.8	25.6	1.29
120	09 May 2016	35	11.31	87.18	4.8	33.52	7.8	25.6	1.21
120	09 May 2016	36	11.26	86.94	4.7	33.53	7.8	25.6	1.16
120	09 May 2016	37	11.23	86.65	4.7	33.54	7.7	25.6	1.11
120	09 May 2016	38	11.22	86.57	4.7	33.54	7.7	25.6	1.10
120	09 May 2016	39	11.18	86.53	4.6	33.54	7.7	25.6	1.05
120	09 May 2016	40	11.15	86.31	4.6	33.55	7.7	25.6	1.00
120	09 May 2016	41	11.10	86.28	4.6	33.55	7.7	25.6	0.97
120	09 May 2016	42	11.08	86.42	4.6	33.55	7.7	25.6	0.96
120	09 May 2016	43	11.01	86.03	4.5	33.56	7.7	25.7	0.91
120	09 May 2016	44	11.00	86.17	4.5	33.56	7.7	25.7	0.84
120	09 May 2016	45	10.95	86.41	4.5	33.57	7.7	25.7	0.82
120	09 May 2016	46	10.90	86.70	4.5	33.58	7.7	25.7	0.80
120	09 May 2016	47	10.87	86.66	4.5	33.58	7.7	25.7	0.78
120	09 May 2016	48	10.78	86.45	4.4	33.59	7.7	25.7	0.72
120	09 May 2010	49	10.69	86.69	4.4	33.60	7.7	25.7	0.63
120	09 May 2016	50	10.67	87.20	4.4	33.61	7.7	25.7	0.58
120	09 May 2016	51	10.64	87.50	4.4	33.61	7.7	25.8	0.56
120	09 May 2016	52	10.62	87.49	4.3	33.62	7.7	25.8	0.54
120	09 May 2016	53	10.62	87.49	4.3	33.62	7.7	25.8	0.54
120	09 May 2016	54	10.61	87.26	4.3	33.62	7.7	25.8	0.56
120	09 May 2010	55	10.61	87.14	4.3	33.62	7.7	25.8	0.52
120	00 May 2010		10.01	07.14	7.0	00.02	'.'	20.0	0.02
121	09 May 2016	1	17.71	86.82	7.7	33.46	8.1	24.2	0.59
121	09 May 2010 09 May 2016	2	17.67	86.76	7.7	33.46	8.1	24.2	0.59
121	09 May 2010	3	17.44	86.81	7.7	33.47	8.1	24.2	0.61
121	09 May 2010 09 May 2016	4	17.44	87.40	7.6	33.48	8.1	24.2	0.59
121	09 May 2016 09 May 2016	5	16.82	87.40	7.6	33.50	8.1	24.3	0.55
121	03 Way 2010		10.02	07.90	1.0	55.50	0.1	24.4	0.55

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
I21	09 May 2016	6	16.74	88.04	7.6	33.49	8.1	24.4	0.56
121	09 May 2016	7	16.50	87.45	7.6	33.49	8.1	24.5	0.58
I21	09 May 2016	8	16.20	87.06	7.6	33.49	8.0	24.5	0.67
I21	09 May 2016	9	16.12	86.87	7.6	33.48	8.0	24.6	0.75
121	09 May 2016	10	15.89	86.96	7.5	33.48	8.0	24.6	0.78
I21	09 May 2016	11	15.31	87.07	7.5	33.49	8.0	24.7	0.79
I21	09 May 2016	12	15.16	86.67	7.5	33.48	8.0	24.8	0.88
121	09 May 2016	13	15.00	86.48	7.5	33.48	8.0	24.8	0.97
121	09 May 2016	14	14.83	86.18	7.4	33.48	8.0	24.8	1.00
121	09 May 2016	15	14.74	86.33	7.5	33.47	8.0	24.9	1.07
121	09 May 2016	16	14.66	86.89	7.4	33.48	8.0	24.9	1.05
121	09 May 2016	17	14.32	87.51	7.0	33.48	8.0	24.9	1.04
I21	09 May 2016	18	13.76	87.33	6.6	33.49	8.0	25.1	0.95
l21	09 May 2016	19	13.33	88.60	6.4	33.49	7.9	25.2	0.92
I21	09 May 2016	20	13.07	88.49	6.0	33.47	7.9	25.2	0.97
I21	09 May 2016	21	12.45	88.49	5.6	33.48	7.9	25.3	0.95
121	09 May 2016	22	12.17	88.60	5.2	33.49	7.8	25.4	1.07
121	09 May 2016	23	12.12	88.46	5.0	33.49	7.8	25.4	0.87
121	09 May 2016	24	12.12	88.32	5.0	33.49	7.8	25.4	0.88
121	09 May 2016	25	12.11	88.25	5.0	33.49	7.8	25.4	0.96
121	09 May 2016	26	12.11	88.53	5.0	33.49	7.8	25.4	1.03
121	09 May 2016	27	12.10	88.37	5.0	33.50	7.8	25.4	1.02
121	09 May 2010	28	12.10	87.76	5.0	33.50	7.8	25.4	1.02
121	09 May 2010 09 May 2016	20	12.09	87.77	5.0	33.50	7.8	25.4	1.03
121	09 May 2016 09 May 2016	30	12.05	87.53	4.9	33.50	7.8	25.4 25.4	1.03
121	-	30	11.99	87.53	4.9	33.50 33.51	7.8	25.4 25.4	
121	09 May 2016 09 May 2016	32	11.97		4.9		7.8	25.4 25.4	1.28 1.24
	-			87.69		33.51			
121	09 May 2016	33	11.93	87.47	4.9	33.51	7.8	25.4	1.20
121	09 May 2016	34	11.92	86.95	4.9	33.51	7.8	25.4	1.21
121	09 May 2016	35	11.89	86.96	4.9	33.51	7.8	25.5	1.43
121	09 May 2016	36	11.85	86.62	4.9	33.51	7.8	25.5	1.54
121	09 May 2016	37	11.84	86.72	4.9	33.51	7.8	25.5	1.64
121	09 May 2016	38	11.82	86.44	4.9	33.51	7.8	25.5	1.62
121	09 May 2016	39	11.82	85.63	4.8	33.52	7.8	25.5	1.65
121	09 May 2016	40	11.82	85.12	4.8	33.52	7.8	25.5	2.15
121	09 May 2016	41	11.82	85.14	4.9	33.52	7.8	25.5	2.07
122	10 May 2016	1	17.97	84.46	8.4	33.44	8.2	24.1	0.99
122	10 May 2016	2	17.93	84.38	8.3	33.44	8.2	24.1	0.99
122	10 May 2016	3	17.66	84.41	8.2	33.44	8.2	24.2	1.01
122	10 May 2016	4	17.55	84.63	8.2	33.45	8.2	24.2	1.04
122	10 May 2016	5	17.51	84.69	8.2	33.45	8.2	24.2	1.08
122	10 May 2016	6	17.41	84.89	8.3	33.45	8.2	24.2	1.16
122	10 May 2016	7	17.38	84.92	8.3	33.45	8.2	24.2	1.22
122	10 May 2016	8	17.36	84.95	8.2	33.45	8.2	24.2	1.33
122	10 May 2016	9	17.30	84.70	8.2	33.45	8.2	24.3	1.44
122	10 May 2016	10	17.01	84.62	8.2	33.46	8.2	24.3	1.60
122	10 May 2016	11	16.72	83.11	8.2	33.47	8.2	24.4	2.18
122	10 May 2016	12	16.59	82.74	8.2	33.47	8.2	24.4	2.35
122	10 May 2016	13	16.44	82.38	8.3	33.47	8.2	24.5	2.79
122	10 May 2016	14	16.33	82.28	8.3	33.46	8.2	24.5	3.14
122	10 May 2010	15	16.15	82.22	8.3	33.46	8.2	24.5	3.15
122	10 May 2016	16	15.84	81.88	8.0	33.45	8.2	24.6	3.13
122	10 May 2010	17	14.87	80.38	7.3	33.45	8.1	24.8	3.05
122	10 May 2016	18	14.87	77.74	6.6	33.45	8.1	24.8	3.05
122	10 May 2010	10	14.14	11.14	0.0	55.47	0.1	20.0	3.21

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
122	10 May 2016	19	14.08	77.50	6.5	33.47	8.0	25.0	3.32
122	10 May 2016	20	13.92	76.89	6.8	33.47	8.0	25.0	3.47
122	10 May 2016	21	13.87	77.50	6.8	33.47	8.1	25.0	3.62
122	10 May 2016	22	13.65	78.18	6.5	33.47	8.0	25.1	3.62
122	10 May 2016	23	13.57	78.65	6.3	33.48	8.0	25.1	3.48
122	10 May 2016	24	13.45	79.44	6.1	33.47	8.0	25.1	3.21
122	10 May 2016	25	13.03	82.56	5.8	33.48	8.0	25.2	2.86
122	10 May 2016	26	12.87	83.17	5.6	33.49	8.0	25.2	2.54
122	10 May 2016	27	12.83	82.87	5.5	33.49	8.0	25.3	2.30
122	10 May 2016	28	12.78	82.37	5.5	33.49	8.0	25.3	2.33
	-								
123	10 May 2016	1	18.11	80.71	8.5	33.43	8.2	24.0	1.18
123	10 May 2016	2	18.10	80.71	8.5	33.43	8.2	24.0	1.22
123	10 May 2016	3	18.08	80.66	8.5	33.43	8.2	24.1	1.27
123	10 May 2016	4	18.03	80.63	8.4	33.43	8.2	24.1	1.33
123	10 May 2016	5	17.99	80.79	8.3	33.43	8.2	24.1	1.35
123	10 May 2016	6	17.78	81.33	8.5	33.44	8.2	24.1	1.60
123	10 May 2016	7	17.63	82.78	8.5	33.44	8.2	24.2	1.70
123	10 May 2016	8	17.33	82.77	8.5	33.45	8.2	24.2	1.83
123	10 May 2016	9	17.06	82.27	8.5	33.45	8.2	24.3	2.14
123	10 May 2016	10	16.05	78.19	8.1	33.47	8.2	24.6	2.81
123	10 May 2016	11	15.34	78.24	7.5	33.47	8.1	24.7	2.71
123	10 May 2016	12	14.92	78.28	7.4	33.47	8.1	24.8	2.80
123	10 May 2016	13	14.76	76.82	7.3	33.46	8.1	24.8	3.09
123	10 May 2010	14	14.54	76.02	7.1	33.47	8.1	24.9	3.40
123	10 May 2010	15	14.14	75.68	6.8	33.47	8.1	25.0	3.66
123	10 May 2010	16	13.88	76.76	6.2	33.47	8.0	25.0	3.51
123	10 May 2010	17	13.57	75.84	5.9	33.48	8.0	25.1	3.16
123	10 May 2010	18	13.44	75.04	5.8	33.47	8.0	25.1	2.90
123	10 May 2010	19	13.28	74.13	5.7	33.47	8.0	25.2	2.53
123	10 May 2010	20	13.26	72.90	5.7	33.48	8.0	25.2	2.60
123	10 May 2016	20	13.25	72.90	5.8	33.48	8.0	25.2	2.54
123	10 May 2010	21	13.25	12.09	5.0	55.40	0.0	25.2	2.54
127	10 May 2016	1	17.97	81.67	8.9	33.40	8.2	24.1	1.18
127	10 May 2016	2	17.97	81.50	8.8	33.40	8.2	24.1	1.10
127	10 May 2016	3	17.82	81.58	8.6	33.40	8.2	24.1	1.22
127	-		17.25	82.81	8.4	33.46	8.2	24.1	1.35
	10 May 2016	4							
127 127	10 May 2016 10 May 2016	5 6	17.11 16.77	84.40 84.87	8.3 7.9	33.45 33.46	8.2 8.2	24.3 24.4	1.43 1.55
127	10 May 2016 10 May 2016	7	15.68	84.07 84.12	7.9	33.48 33.48	0.2 8.1	24.4 24.7	2.32
127	10 May 2016 10 May 2016			84.12 84.21	7.9			24.7 24.7	
	10 May 2016 10 May 2016	8	15.47			33.47	8.1		2.97
127	-	9	14.97 14.80	82.34 81.07	8.2 8.5	33.47 33.46	8.1 8.2	24.8	3.92
127	10 May 2016	10	14.80	81.07	8.5	33.46	8.2	24.8	3.68
127	10 May 2016	11	14.30	80.19	8.2	33.46	8.2 • 1	24.9	3.71
127	10 May 2016	12	13.62	77.17	7.4	33.47	8.1	25.1	4.47
127	10 May 2016	13	13.50	78.56	6.8	33.46	8.1	25.1	4.50
127	10 May 2016	14	13.46	79.40	6.6	33.46	8.0	25.1	4.10
127	10 May 2016	15	13.45	79.88	6.6	33.46	8.0	25.1	4.09
127	10 May 2016	16	13.45	79.35	6.7	33.47	8.0	25.1	4.25
127	10 May 2016	17	13.45	79.75	6.7	33.47	8.0	25.1	3.90
127	10 May 2016	18	13.44	79.30	6.6	33.47	8.0	25.1	3.83
127	10 May 2016	19	13.42	80.92	6.3	33.48	8.0	25.1	3.13
127	10 May 2016	20	13.41	81.28	6.1	33.48	8.0	25.1	2.46
127	10 May 2016	21	13.31	81.87	5.7	33.48	8.0	25.2	2.14
127	10 May 2016	22	13.23	82.62	5.6	33.49	8.0	25.2	2.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pН	Dens (σ -t)	Chlor (μ g/L)
127	10 May 2016	23	13.14	82.29	5.5	33.49	8.0	25.2	1.92
127	10 May 2016	24	12.95	82.04	5.5	33.49	7.9	25.2	1.79
127	10 May 2016	25	12.89	81.12	5.4	33.49	7.9	25.2	1.83
127	10 May 2016	26	12.89	80.88	5.5	33.49	7.9	25.2	1.91
127	10 May 2016	27	12.89	80.07	5.4	33.49	7.9	25.2	1.92
127	10 May 2016	28	12.90	79.94	5.4	33.49	7.9	25.2	1.80
128	11 May 2016	1	16.62	77.98	7.6	33.49	8.2	24.4	3.53
128	11 May 2016	2	16.62	77.88	7.5	33.49	8.2	24.4	3.55
128	11 May 2016	3	16.62	78.01	7.5	33.49	8.2	24.4	3.71
128	11 May 2016	4	16.61	78.04	7.5	33.49	8.2	24.4	3.79
128	11 May 2016	5	16.59	78.46	7.6	33.49	8.2	24.5	3.86
128	11 May 2016	6	16.57	79.15	7.6	33.49	8.2	24.5	3.73
128	11 May 2016	7	16.51	79.63	7.6	33.49	8.2	24.5	3.51
128	11 May 2016	8	16.47	80.06	7.5	33.48	8.2	24.5	3.48
128	11 May 2016	9	16.40	80.78	7.5	33.48	8.2	24.5	3.35
128	11 May 2016	10	16.34	81.00	7.4	33.48	8.2	24.5	3.35
128	11 May 2016	11	16.20	81.33	7.4	33.49	8.2	24.5	3.40
128	11 May 2016	12	16.12	81.86	7.4	33.49	8.2	24.6	3.40
128	11 May 2016	13	15.98	82.60	7.3	33.49	8.2	24.6	3.21
128	11 May 2016	14	15.85	83.82	7.1	33.48	8.1	24.6	2.85
128	11 May 2016	15	14.36	85.44	6.7	33.49	8.1	24.9	2.57
128	11 May 2016	16	13.53	86.68	6.5	33.47	8.1	25.1	2.33
128	11 May 2016	17	13.38	86.55	6.4	33.47	8.1	25.1	2.14
120	11 May 2010	18	13.03	86.03	6.3	33.46	8.0	25.2	2.14
128	11 May 2016	19	12.90	85.87	6.3	33.46	8.0	25.2	2.20
128	11 May 2016	20	12.90	86.14	6.2	33.46	8.0	25.2	2.20
128	11 May 2016	20	12.79	86.48	6.1	33.46	8.0	25.2	2.20
120	11 May 2010	21	12.79	86.73	6.0	33.46	8.0	25.2	2.20
128	11 May 2016	22	12.09	87.10	5.9	33.40	8.0 8.0	25.3	1.88
128	11 May 2016	23	12.38	87.60	5.9	33.48	8.0	25.3	1.75
120	11 May 2010	24	11.96	88.19	5.3	33.48	8.0	25.4	1.53
128	11 May 2016	25	11.90	88.38	5.0	33.50	8.0 7.9	25.4 25.5	1.33
128	11 May 2016	20	11.66	88.44	5.0	33.50	7.9	25.5 25.5	1.31
120	11 May 2016	27	11.63	88.39	4.9	33.50	7.9	25.5 25.5	1.27
	-	20			4.9		7.9	25.5 25.5	
128	11 May 2016		11.61	88.43		33.51			1.18
128 128	11 May 2016	30 31	11.59	88.31 88.55	4.9 4.9	33.52	7.9	25.5 25.5	1.17
120	11 May 2016		11.58		4.9	33.52	7.9	25.5 25.5	1.19
	11 May 2016	32	11.55	88.40		33.51	7.9	25.5 25.5	1.23
128	11 May 2016	33	11.52	88.42	4.9	33.51	7.9	25.5 25.5	1.21
128	11 May 2016	34	11.52	88.40	4.9	33.52	7.9	25.5 25.5	1.22
128	11 May 2016	35	11.52	88.42	4.9	33.52	7.9	25.5 25.5	1.21
128	11 May 2016	36	11.52	88.47	4.9	33.52	7.9	25.5 25.5	1.30
128	11 May 2016	37	11.51	88.42	4.8	33.52	7.9	25.5 25.5	1.18
128	11 May 2016	38	11.50	88.48	4.8	33.52	7.9	25.5 25.5	1.16
128	11 May 2016	39	11.50	88.52	4.9	33.52	7.9	25.5	1.21
128	11 May 2016	40	11.51	88.42	4.8	33.52	7.9	25.5	1.17
128	11 May 2016	41	11.51	88.46	4.8	33.53	7.9	25.5	1.13
128	11 May 2016	42	11.51	88.47	4.8	33.53	7.9	25.5	1.14
128	11 May 2016	43	11.51	88.36	4.8	33.53	7.9	25.5	1.13
128	11 May 2016	44	11.50	88.49	4.8	33.53	7.9	25.5	1.15
128	11 May 2016	45	11.47	88.30	4.8	33.53	7.9	25.5	1.18
128	11 May 2016	46	11.43	88.31	4.8	33.53	7.9	25.6	1.20
128	11 May 2016	47	11.42	88.26	4.8	33.53	7.9	25.6	1.24
128	11 May 2016	48	11.39	88.18	4.8	33.53	7.9	25.6	1.20

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рΗ	Dens (σ -t)	Chlor (μ g/L)
128	11 May 2016	49	11.36	88.19	4.7	33.54	7.9	25.6	1.19
128	11 May 2016	50	11.34	88.08	4.7	33.54	7.9	25.6	1.17
128	11 May 2016	51	11.30	87.87	4.6	33.54	7.9	25.6	1.18
128	11 May 2016	52	11.24	87.43	4.6	33.55	7.9	25.6	1.23
128	11 May 2016	53	11.20	86.66	4.5	33.56	7.9	25.6	1.22
128	11 May 2016	54	11.18	86.35	4.5	33.56	7.9	25.6	1.23
128	11 May 2016	55	10.98	84.84	4.4	33.58	7.9	25.7	1.22
129	11 May 2016	1	16.54	77.87	7.6	33.49	8.2	24.5	3.65
129	11 May 2016	2	16.54	77.61	7.5	33.49	8.2	24.5	3.73
129	11 May 2016	3	16.52	77.25	7.5	33.49	8.2	24.5	3.96
129	11 May 2016	4	16.44	77.21	7.4	33.49	8.2	24.5	4.04
129	11 May 2016	5	16.35	78.49	7.3	33.49	8.2	24.5	3.85
129	11 May 2016	6	16.19	79.41	7.2	33.49	8.1	24.5	3.75
129	11 May 2016	7	16.12	79.84	7.3	33.49	8.1	24.6	3.61
129	11 May 2016	8	16.01	80.18	7.2	33.48	8.1	24.6	3.54
129	11 May 2016	9	15.74	81.20	7.0	33.48	8.1	24.6	3.24
129	11 May 2016	10	15.55	81.76	6.8	33.48	8.1	24.7	3.06
129	11 May 2016	11	14.73	83.19	6.6	33.49	8.1	24.9	2.66
129	11 May 2016	12	14.31	84.57	6.3	33.48	8.1	24.9	2.66
129	11 May 2016	13	14.23	84.77	6.2	33.48	8.1	25.0	2.23
129	11 May 2016	14	14.20	84.85	6.3	33.48	8.1	25.0	2.16
129	11 May 2016	15	14.18	84.80	6.3	33.48	8.1	25.0	2.05
120	11 May 2016	16	14.09	84.64	6.3	33.48	8.0	25.0	2.12
129	11 May 2016	17	14.04	84.63	6.3	33.48	8.0	25.0	2.12
129	11 May 2016	18	13.96	84.74	6.3	33.48	8.0	25.0	2.24
129	11 May 2016	19	13.71	84.64	6.3	33.48	8.0	25.1	2.59
129	11 May 2016	20	13.50	84.81	6.2	33.48	8.0	25.1	2.55
129	11 May 2016	20	13.27	84.66	5.6	33.48	8.0	25.2	2.35
129	11 May 2016	21	13.15	84.89	5.5	33.48	8.0	25.2	2.07
129	11 May 2010	22	13.05	85.15	5.6	33.48	8.0	25.2	2.46
129	11 May 2016	23	12.99	85.61	5.6	33.49	8.0	25.2	2.38
129	11 May 2010	24	12.99	85.28	5.6	33.49	8.0	25.2	2.30
129	11 May 2016	25	12.90	85.15	5.6	33.49	8.0 8.0	25.2 25.2	2.29
129	11 May 2016	20	12.95	85.31	5.5	33.49	8.0	25.2 25.2	2.33
129	11 May 2016	28	12.95	85.62	5.5	33.49	8.0	25.2	2.33
129	11 May 2016	28			5.5		8.0 8.0	25.2	1.83
			12.65	84.79 84.27		33.51			
129	11 May 2016 11 May 2016	30	12.45	84.37	5.0 5.0	33.51	7.9	25.3	1.64
129		31	12.42	84.48	5.0	33.51	7.9	25.4	1.44
129	11 May 2016	32	12.34	84.14	4.9	33.51	7.9	25.4	1.38
129	11 May 2016	33	12.32	84.15	4.9	33.51	7.9	25.4	1.38
129	11 May 2016	34	12.30	84.11	4.9	33.51	7.9	25.4	1.37
129	11 May 2016	35	12.28	84.32	4.9	33.51	7.9	25.4	1.40
129	11 May 2016	36	12.28	84.04	4.9	33.51	7.9	25.4	1.40
129	11 May 2016	37	12.28	84.15	4.9	33.51	7.9	25.4	1.39
100	44.14	_	40.00	75.00		00.40		04.4	0.40
130	11 May 2016	1	16.80	75.30	7.7	33.48	8.2	24.4	3.48
130	11 May 2016	2	16.80	75.30	7.6	33.48	8.2	24.4	3.93
130	11 May 2016	3	16.79	75.02	7.6	33.48	8.2	24.4	4.09
130	11 May 2016	4	16.79	74.98	7.6	33.48	8.2	24.4	4.31
130	11 May 2016	5	16.77	75.48	7.6	33.48	8.2	24.4	4.33
130	11 May 2016	6	16.76	76.00	7.6	33.48	8.2	24.4	4.05
130	11 May 2016	7	16.74	76.74	7.5	33.48	8.2	24.4	3.88
130	11 May 2016	8	16.73	77.40	7.6	33.48	8.2	24.4	3.72
130	11 May 2016	9	16.70	77.62	7.6	33.48	8.2	24.4	3.45

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
130	11 May 2016	10	16.67	78.41	7.6	33.48	8.2	24.4	3.36
130	11 May 2016	11	16.60	78.89	7.6	33.48	8.2	24.4	3.52
130	11 May 2016	12	16.47	79.76	7.5	33.48	8.2	24.5	3.24
130	11 May 2016	13	16.28	80.42	7.3	33.47	8.2	24.5	3.14
130	11 May 2016	14	15.89	81.18	7.2	33.48	8.1	24.6	3.03
130	11 May 2016	15	15.76	82.26	7.1	33.47	8.1	24.6	2.68
130	11 May 2016	16	15.45	82.81	7.1	33.47	8.1	24.7	2.59
130	11 May 2016	17	15.26	83.03	7.0	33.47	8.1	24.7	2.42
130	11 May 2016	18	14.85	83.30	6.9	33.48	8.1	24.8	2.57
130	11 May 2016	19	14.54	83.36	6.7	33.47	8.1	24.9	2.79
130	11 May 2016	20	13.87	84.10	6.3	33.48	8.1	25.0	2.45
130	11 May 2016	21	13.63	84.92	5.9	33.47	8.0	25.1	2.22
130	11 May 2016	22	13.59	84.43	5.7	33.47	8.0	25.1	2.19
130	11 May 2016	23	13.38	84.21	5.4	33.48	8.0	25.1	2.10
130	11 May 2016	24	13.10	84.27	5.3	33.48	8.0	25.2	1.92
130	11 May 2016	25	12.81	84.00	5.2	33.49	8.0	25.3	1.99
130	11 May 2016	26	12.73	83.66	5.2	33.49	8.0	25.3	1.76
130	11 May 2016	27	12.70	83.41	5.2	33.49	7.9	25.3	1.58
130	11 May 2016	28	12.69	83.26	5.2	33.49	7.9	25.3	1.60
131	11 May 2016	1	17.18	77.96	8.2	33.46	8.2	24.3	2.44
131	11 May 2016	2	17.17	78.02	8.2	33.46	8.2	24.3	2.47
131	11 May 2016	3	17.16	77.70	8.1	33.46	8.2	24.3	3.03
131	11 May 2016	4	16.87	76.01	7.8	33.46	8.2	24.4	4.39
131	11 May 2016	5	15.91	74.06	7.6	33.48	8.2	24.6	4.99
131	11 May 2016	6	15.42	77.83	7.6	33.47	8.1	24.7	4.02
131	11 May 2016	7	14.75	80.72	7.5	33.47	8.1	24.8	3.36
131	11 May 2016	8	14.37	81.22	7.3	33.46	8.1	24.9	3.16
131	11 May 2016	9	14.10	82.00	7.0	33.47	8.1	25.0	2.81
131	11 May 2016	10	14.05	82.30	6.7	33.46	8.1	25.0	2.57
131	11 May 2016	11	13.96	82.54	6.5	33.47	8.1	25.0	2.26
131	11 May 2016	12	13.72	82.76	6.4	33.47	8.1	25.1	2.30
131	11 May 2016	13	13.59	83.28	6.2	33.47	8.1	25.1	2.42
I31	11 May 2016	14	13.38	83.28	5.7	33.48	8.0	25.1	2.31
I31	11 May 2016	15	13.32	81.75	5.4	33.48	8.0	25.1	2.04
I31	11 May 2016	16	13.30	80.81	5.4	33.48	8.0	25.2	1.91
131	11 May 2016	17	13.29	80.56	5.4	33.48	8.0	25.2	1.95
131	11 May 2016	18	13.29	80.73	5.4	33.48	8.0	25.2	1.96
131	11 May 2016	19	13.29	80.65	5.4	33.48	8.0	25.2	1.91
133	11 May 2016	1	16.74	77.70	7.4	33.49	8.2	24.4	2.93
133	11 May 2016	2	16.74	77.73	7.4	33.49	8.2	24.4	2.98
133	11 May 2016	3	16.72	78.02	7.4	33.50	8.2	24.4	3.06
133	11 May 2016	4	16.72	78.38	7.4	33.50	8.2	24.4	3.11
133	11 May 2016	5	16.66	79.02	7.3	33.50	8.2	24.4	2.99
133	11 May 2016	6	16.42	79.48	7.2	33.51	8.2	24.5	3.07
133	11 May 2016	7	16.31	80.17	7.2	33.50	8.1	24.5	3.08
133	11 May 2016	8	16.20	80.42	7.2	33.49	8.1	24.5	3.16
133	11 May 2016	9	16.06	80.68	7.1	33.49	8.1	24.6	3.15
133	11 May 2016	10	15.85	80.95	7.0	33.49	8.1	24.6	3.13
133	11 May 2016	11	15.34	81.85	6.8	33.49	8.1	24.7	3.12
133	11 May 2016	12	14.98	82.56	6.6	33.49	8.1	24.8	2.76
133	11 May 2016	13	14.82	82.77	6.5	33.48	8.1	24.8	2.70
133	11 May 2016	14	14.67	83.29	6.5	33.48	8.1	24.9	2.62
133	11 May 2016	15	14.56	83.37	6.4	33.48	8.1	24.9	2.42
.00	11 11/10 2010		14.00	00.07	0.7	50.40	0.1		L.7L

Station	Date	Depth (m)	Temp ($^{\circ}$ C)	XMS (%)	DO (mg/L)	Sal (ppt)	рН	Dens (σ -t)	Chlor (μ g/L)
133	11 May 2016	16	14.49	83.70	6.4	33.48	8.1	24.9	2.50
133	11 May 2016	17	14.46	83.88	6.3	33.48	8.1	24.9	2.30
133	11 May 2016	18	14.43	83.79	6.3	33.48	8.1	24.9	2.29
133	11 May 2016	19	14.24	83.95	6.2	33.49	8.1	25.0	2.20
133	11 May 2016	20	14.17	83.93	6.2	33.49	8.0	25.0	2.11
133	11 May 2016	21	14.02	84.08	6.0	33.49	8.0	25.0	2.02
133	11 May 2016	22	13.82	84.33	6.0	33.50	8.0	25.1	1.95
133	11 May 2016	23	13.66	84.30	5.9	33.50	8.0	25.1	1.83
133	11 May 2016	24	13.56	84.47	5.8	33.50	8.0	25.1	1.86
133	11 May 2016	25	13.51	84.33	5.8	33.49	8.0	25.1	1.84
133	11 May 2016	26	13.42	84.44	5.8	33.50	8.0	25.1	1.68
133	11 May 2016	27	13.28	84.59	5.6	33.50	8.0	25.2	1.72
133	11 May 2016	28	12.87	84.84	5.4	33.51	8.0	25.3	1.58
133	11 May 2016	29	12.80	84.96	5.3	33.51	8.0	25.3	1.53
133	11 May 2016	30	12.73	85.15	5.3	33.51	8.0	25.3	1.46
134	11 May 2016	1	16.49	76.74	7.3	33.48	8.1	24.5	3.41
134	11 May 2016	2	16.50	76.84	7.3	33.48	8.1	24.5	3.52
134	11 May 2016	3	16.46	76.59	7.1	33.48	8.1	24.5	3.53
134	11 May 2016	4	16.19	74.84	6.6	33.50	8.1	24.5	4.01
134	11 May 2016	5	16.12	71.54	6.4	33.49	8.1	24.6	4.48
134	11 May 2016	6	16.00	70.11	6.3	33.49	8.1	24.6	4.93
134	11 May 2016	7	15.98	70.48	6.3	33.49	8.1	24.6	4.74
134	11 May 2016	8	15.96	70.46	6.3	33.49	8.1	24.6	4.72
134	11 May 2016	9	15.91	70.55	6.3	33.49	8.1	24.6	4.45
134	11 May 2016	10	15.89	70.96	6.3	33.49	8.1	24.6	4.35
134	11 May 2016	11	15.87	70.94	6.2	33.49	8.1	24.6	4.25
134	11 May 2016	12	15.80	70.79	6.2	33.49	8.1	24.6	4.21
134	11 May 2016	13	15.72	70.84	6.1	33.49	8.1	24.7	4.16
134	11 May 2016	14	15.60	70.57	6.0	33.49	8.0	24.7	4.19
134	11 May 2016	15	15.14	71.51	6.0	33.50	8.0	24.8	3.76
134	11 May 2016	16	15.07	75.32	6.0	33.48	8.0	24.8	2.91
134	11 May 2016	17	14.34	79.49	5.7	33.50	8.0	25.0	2.62
134	11 May 2016	18	13.24	80.00	5.4	33.51	8.0	25.2	2.04
134	11 May 2016	19	13.07	76.76	5.3	33.49	8.0	25.2	1.75
135	11 May 2016	1	17.60	77.21	8.9	33.44	8.3	24.2	1.70
135	11 May 2016	2	17.56	77.20	8.8	33.44	8.3	24.2	1.85
135	11 May 2016	3	17.19	74.27	8.2	33.45	8.3	24.3	5.55
135	11 May 2016	4	16.44	63.74	7.4	33.48	8.2	24.5	8.27
135	11 May 2016	5	16.18	71.79	7.0	33.48	8.1	24.5	6.40
135	11 May 2016	6	16.09	74.01	6.8	33.47	8.1	24.6	5.01
135	11 May 2016	7	15.99	75.15	6.6	33.48	8.1	24.6	4.06
135	11 May 2016	8	15.68	75.34	6.4	33.47	8.1	24.6	3.56
135	11 May 2016	9	15.03	77.71	6.3	33.48	8.1	24.8	2.93
135	11 May 2016	10	14.65	80.30	6.5	33.47	8.1	24.9	2.64
135	11 May 2016	11	14.26	82.40	6.7	33.46	8.1	24.9	2.80
135	11 May 2016	12	13.99	82.33	6.6	33.45	8.1	25.0	3.08
135	11 May 2016	13	13.77	82.25	6.4	33.46	8.1	25.0	3.25
135	11 May 2016	14	13.68	82.94	5.9	33.47	8.0	25.1	3.02
135	11 May 2010	15	13.66	82.59	5.2	33.47	8.0	25.1	2.56
135	11 May 2016	16	13.64	80.44	4.4	33.48	7.9	25.1	2.01
135	11 May 2016	17	13.62	73.31	3.8	33.49	7.9	25.1	1.69
135	11 May 2016	18	13.62	66.65	3.7	33.49	7.8	25.1	1.63
135	11 May 2010	19	13.63	63.93	3.7	33.49	7.8	25.1	1.53
155	11 1010 2010	19	15.05	00.95	5.7	55.49	1.0	20.1	1.55

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	рΗ	Dens (σ -t)	Chlor (μ g/L)
100	11 May 0010		40.74	07.04		00.47		04.4	0.74
136	11 May 2016	1	16.74	67.01	7.7	33.47	8.2	24.4	2.71
136	11 May 2016	2	16.72	66.80	7.7	33.47	8.2	24.4	2.96
136	11 May 2016	3	16.62	66.89	7.6	33.46	8.2	24.4	3.67
136	11 May 2016	4	15.81	67.12	7.4	33.48	8.2	24.6	5.58
136	11 May 2016	5	15.36	71.29	6.6	33.49	8.1	24.7	5.28
136	11 May 2016	6	14.99	76.10	6.0	33.48	8.0	24.8	4.05
136	11 May 2016	7	14.78	78.95	5.6	33.48	8.0	24.8	3.28
136	11 May 2016	8	14.67	77.51	5.2	33.48	8.0	24.9	3.08
136	11 May 2016	9	14.63	70.54	4.8	33.48	7.9	24.9	3.04
136	11 May 2016	10	14.61	60.48	4.5	33.48	7.9	24.9	3.03
136	11 May 2016	11	14.60	52.38	4.4	33.48	7.9	24.9	2.68
137	11 May 2016	1	16.37	68.46	6.6	33.49	8.1	24.5	4.90
137	11 May 2016	2	16.27	67.69	6.5	33.49	8.1	24.5	5.20
137	11 May 2016	3	16.11	67.58	6.2	33.49	8.1	24.6	4.74
137	11 May 2016	4	15.58	68.26	6.0	33.49	8.0	24.7	4.18
137	11 May 2016	5	15.03	68.14	5.8	33.48	8.0	24.8	3.53
137	11 May 2016	6	14.75	68.28	5.7	33.48	8.0	24.9	3.03
137	11 May 2016	7	14.53	68.83	5.6	33.48	8.0	24.9	2.66
137	11 May 2016	8	14.13	70.61	5.5	33.48	8.0	25.0	2.37
137	11 May 2016	9	13.78	71.92	5.6	33.48	8.0	25.1	2.09
137	11 May 2016	10	13.73	69.40	5.6	33.48	8.0	25.1	2.09
137	11 May 2016	11	13.73	66.62	5.6	33.48	8.0	25.1	2.15
137	11 May 2016	12	13.74	60.98	5.5	33.48	8.0	25.1	2.21
138	11 May 2016	1	16.59	69.16	8.1	33.47	8.2	24.4	2.95
138	11 May 2016	2	16.51	68.96	7.9	33.47	8.2	24.5	3.11
138	11 May 2016	3	16.11	67.09	7.6	33.47	8.2	24.5	3.92
138	11 May 2016	4	15.63	66.16	7.0	33.48	8.2	24.7	5.43
138	11 May 2016	5	15.01	69.45	7.0	33.49	8.1	24.8	6.33
138	11 May 2016	6	14.77	76.40	6.7	33.48	8.1	24.8	5.32
138	11 May 2016	7	14.57	81.88	6.6	33.48	8.1	24.9	3.97
138	11 May 2016	8	14.48	82.66	6.4	33.47	8.1	24.9	3.32
138	11 May 2016	9	14.42	82.31	5.9	33.47	8.0	24.9	3.02
138	11 May 2016	10	14.42	79.36	5.0	33.48	8.0	24.9	2.89
138	11 May 2016	11	14.39	73.32	4.1	33.48	7.9	24.9	2.59

NA = not available

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APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
13	09 May 2016	18	SR	LAB DUPLICATE	<2	<2	<2
19	09 May 2016	27	SR	LAB DUPLICATE	2e	<2	<2
l12	10 May 2016	18	SR	LAB DUPLICATE	20e	<2	<2
I13	09 May 2016	18	SR	LAB DUPLICATE	<2	<2	<2
114	10 May 2016	2	SR	LAB DUPLICATE	<2	<2	<2
I16	10 May 2016	18	SR	LAB DUPLICATE	24e	2e	4e
119	05 May 2016	6	ZV	LAB DUPLICATE	<2	<2	<2
19	10 May 2016	6	LMA	FIELD DUPLICATE	80e	<2	<2
119	10 May 2016	6	LMA	LAB DUPLICATE	ns	ns	ns
119	16 May 2016	6	LMA	LAB DUPLICATE	4e	<2	<2
119	22 May 2016	6	SR	LAB DUPLICATE	<2	<2	<2
119	31 May 2016	6	ZV	LAB DUPLICATE	80e	<2	<2
120	09 May 2016	55	LMA	LAB DUPLICATE	<2	<2	<2
132	11 May 2016	9	LMA	LAB DUPLICATE	40e	<2	4e
136	11 May 2016	11	LMA	LAB DUPLICATE	20e	<2	<2
140	05 May 2016	6	SR	LAB DUPLICATE	<2	<2	<2
140	16 May 2016	6	JT	LAB DUPLICATE	<2	<2	<2
140	22 May 2016	6	JT	LAB DUPLICATE	<2	<2	<2
140	31 May 2016	6	ZV	LAB DUPLICATE	8e	2e	2e
S12	03 May 2016		JT	FIELD DUPLICATE	4e	2e	<2
S12	03 May 2016		JT	LAB DUPLICATE	2e	<2	<2
S12	10 May 2016		GA	FIELD DUPLICATE	80e	6e	16e
S12	10 May 2016		GA	LAB DUPLICATE	20e	10e	16e
S12	17 May 2016		SR	FIELD DUPLICATE	ns	<2	2e
S12	17 May 2016		ZV	FIELD DUPLICATE	20e	ns	ns
S12	17 May 2016		SR	LAB DUPLICATE	<20	<2	2e
S12	24 May 2016		ZV	FIELD DUPLICATE	<20	<2	<2
S12	24 May 2016		ZV	LAB DUPLICATE	<20	<2	<2
S12	31 May 2016		SR	FIELD DUPLICATE	40e	24e	2e
S12	31 May 2016		SR	LAB DUPLICATE	40e	10e	6e

ns = not sampled ND = no data This page intentionally left blank