APPENDIX C

2013 NITRATE DATA SUMMARIES FOR ONE METER ABOVE THE LAKE BOTTOM

Appendix C
Onondaga Lake Gridding Summary Using an In-Situ Ultraviolet Spectrophotometer (ISUS):

Nitrate Addition Pilot Monitoring

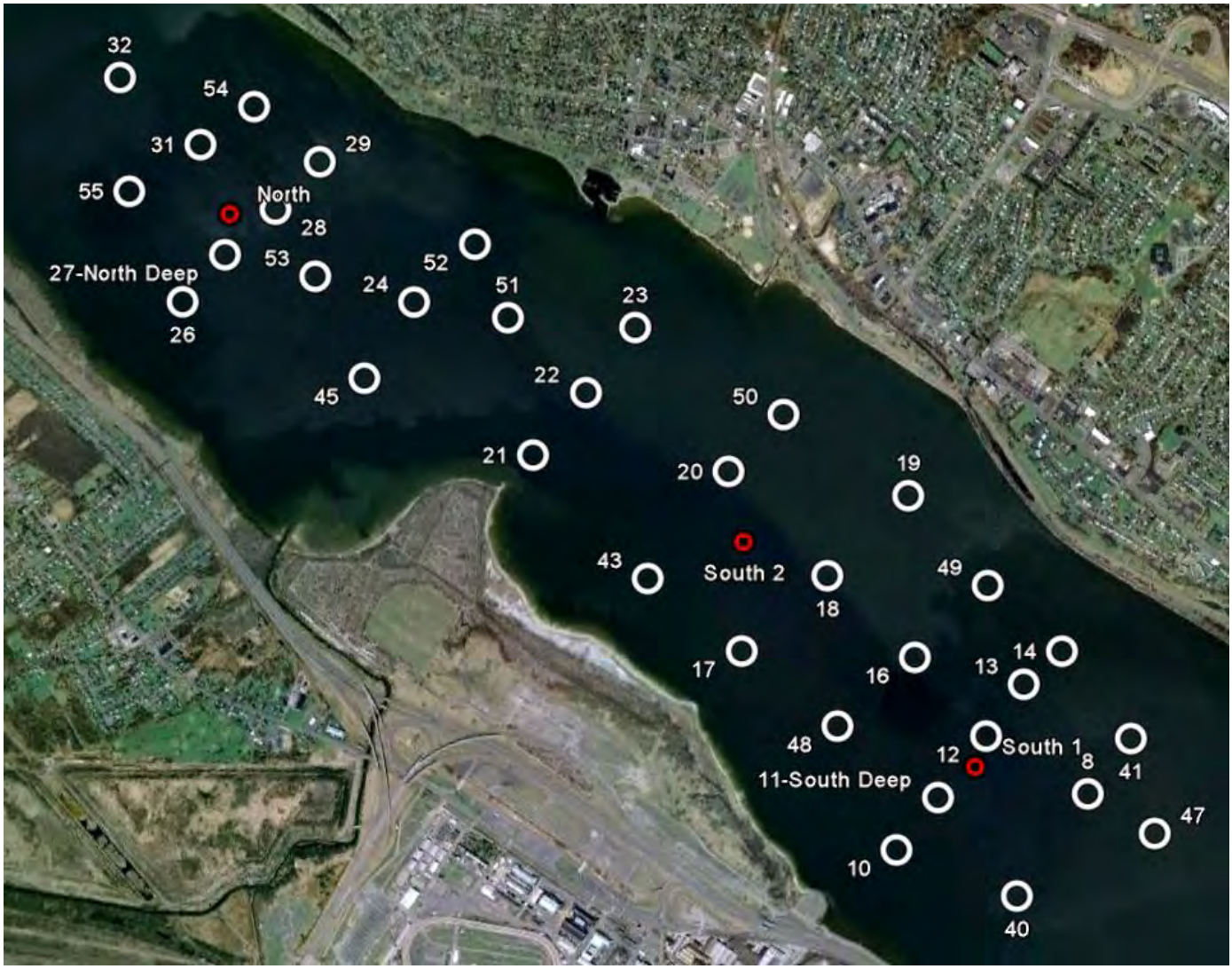
One Meter Off Bottom Weekly Summary:

June 17 through November 4, 2013

Provisional Data Summary

Submitted January 2014
Anthony R. Prestigiacomo
Research Scientist

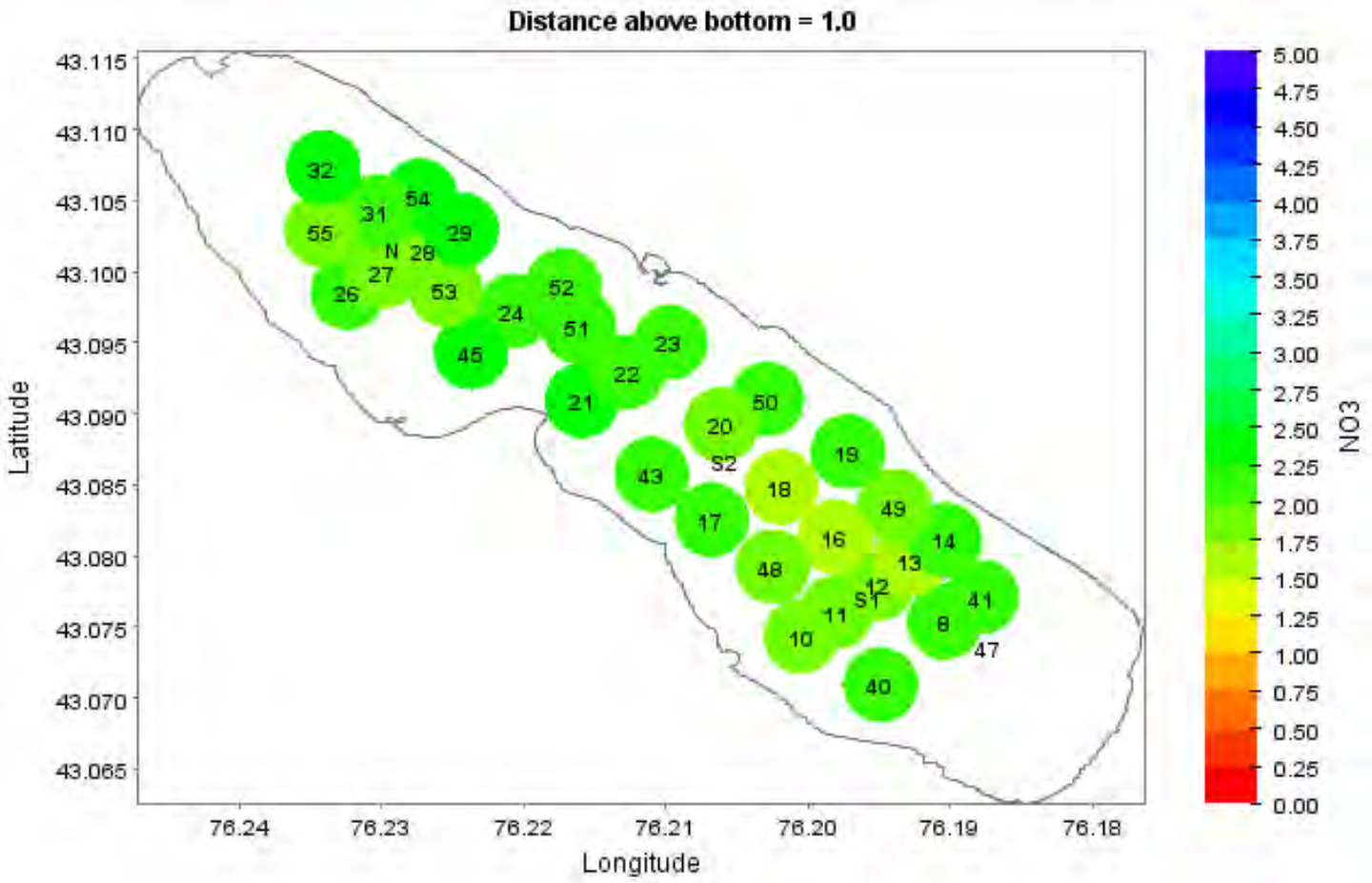
Gridding Locations



white circle: gridding loocation
red circle: injection site

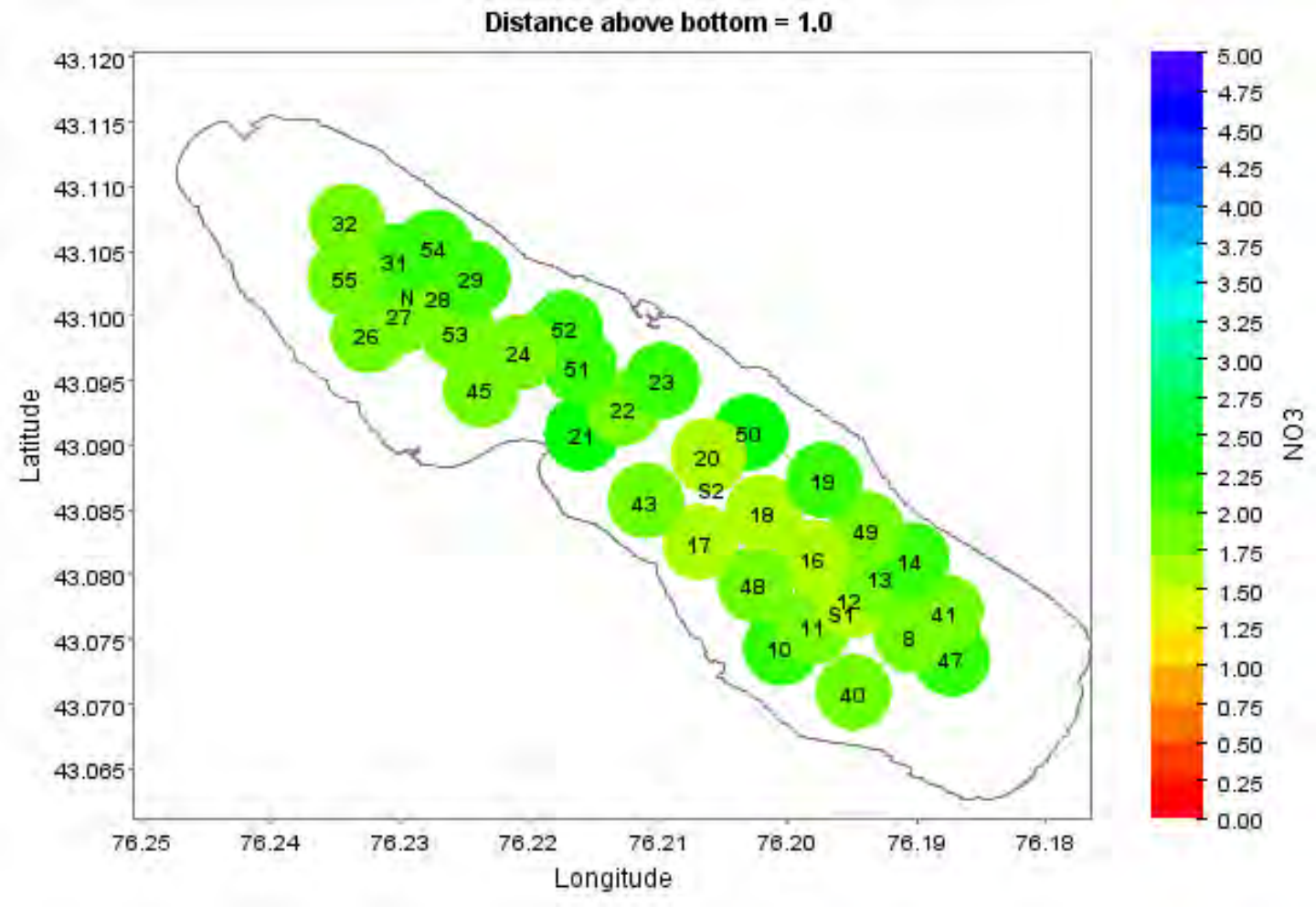
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

June 17, 2013



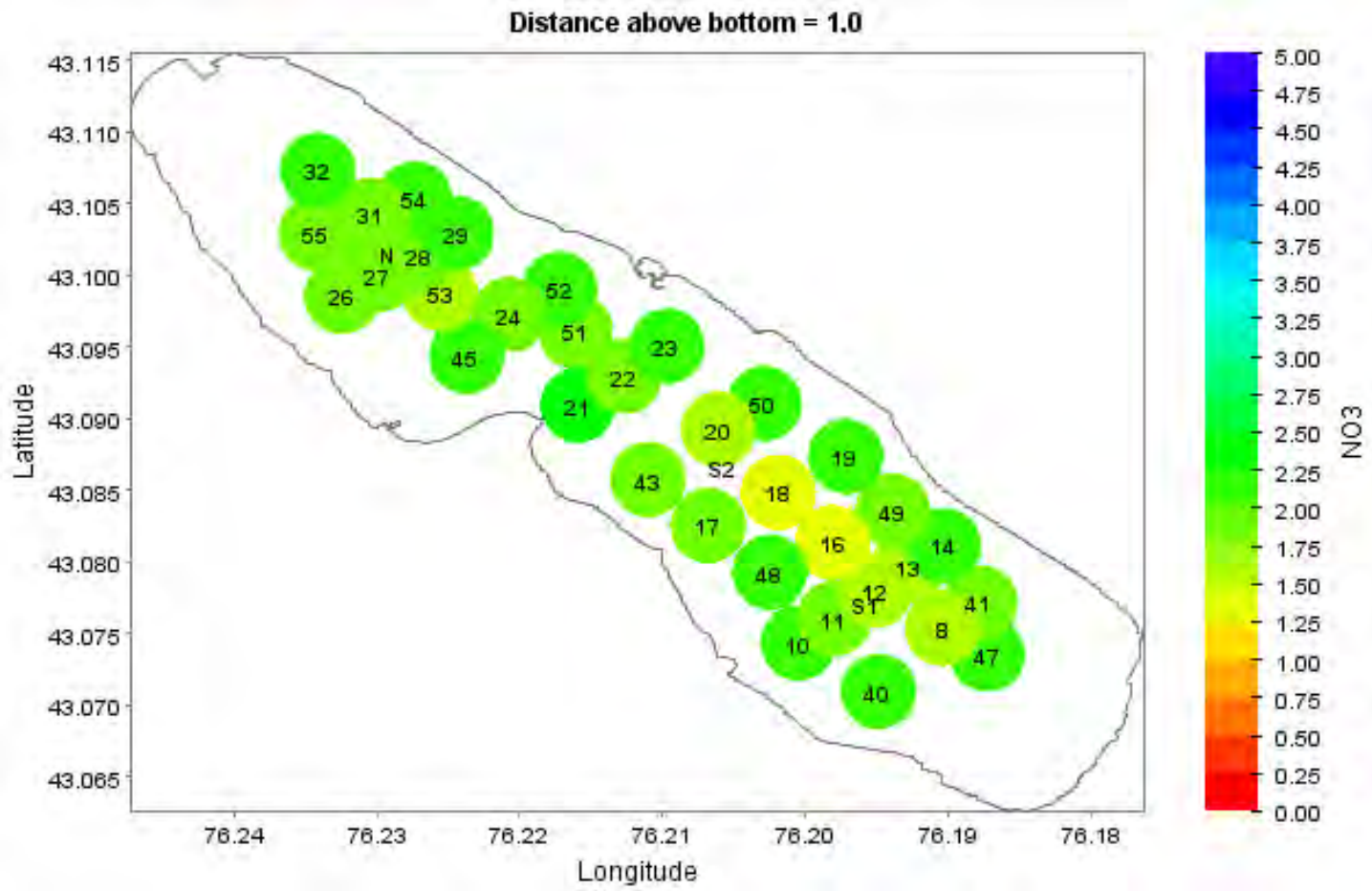
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

June 24, 2013



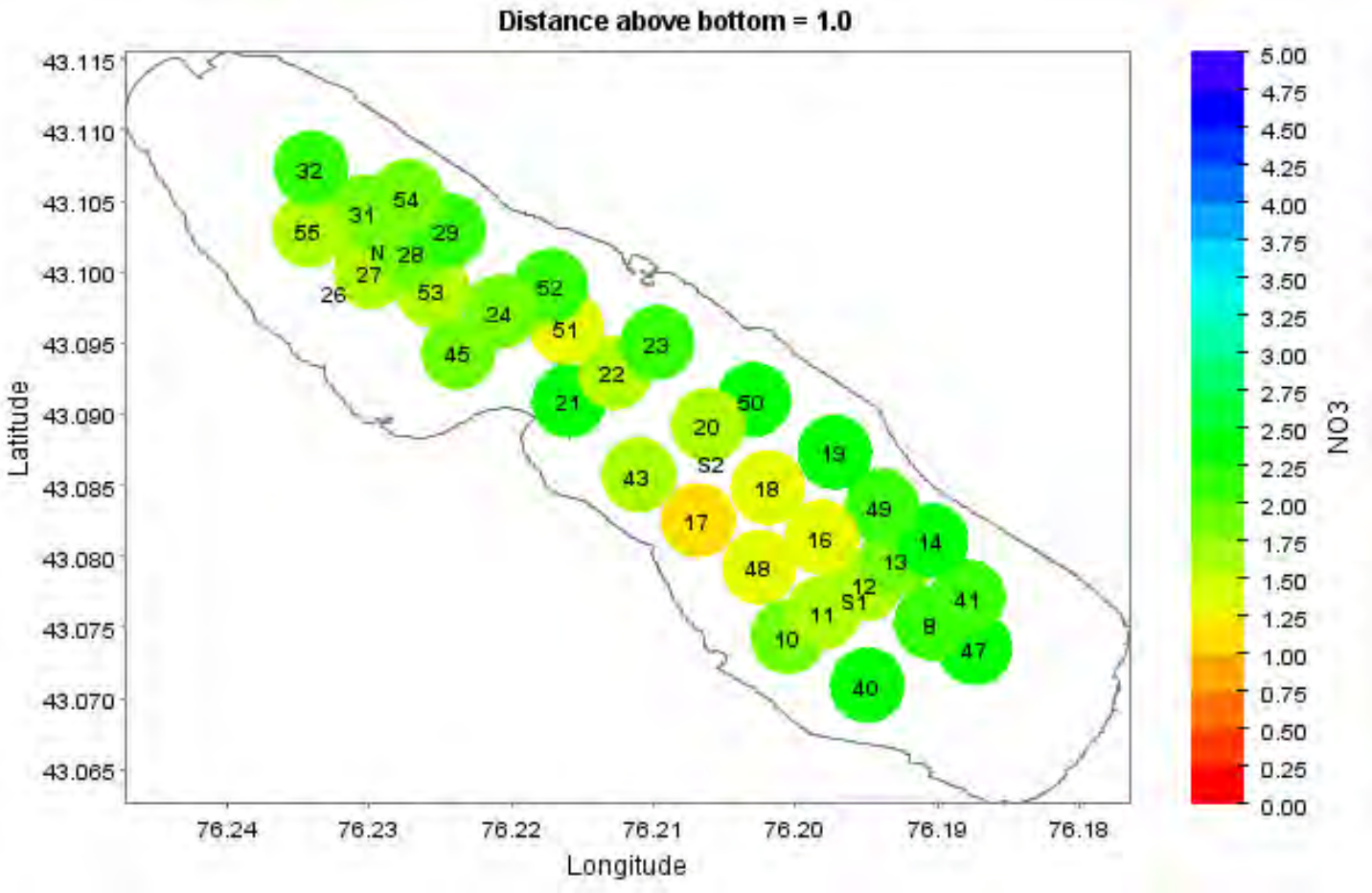
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

July 1, 2013



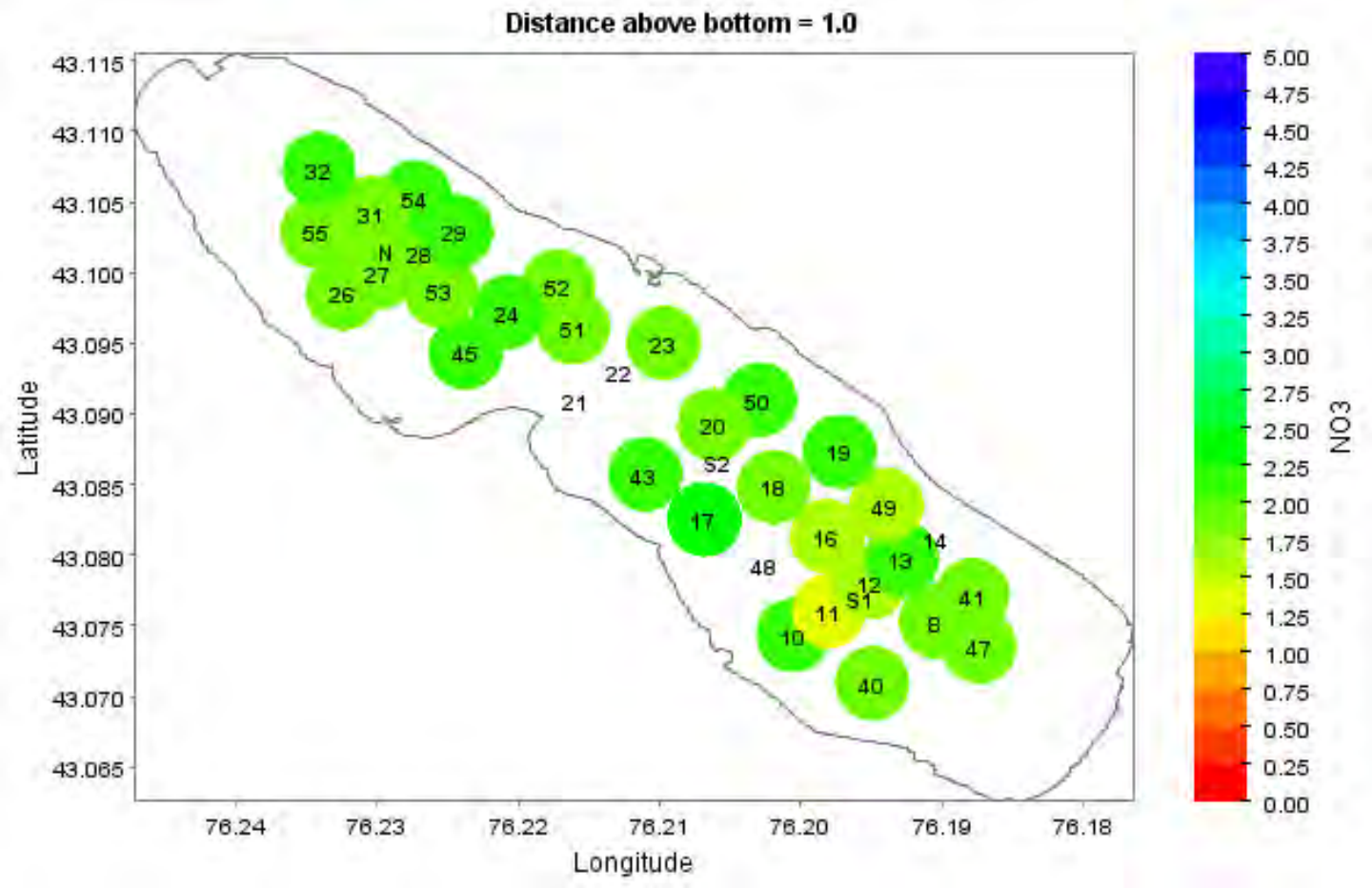
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

July 8, 2013



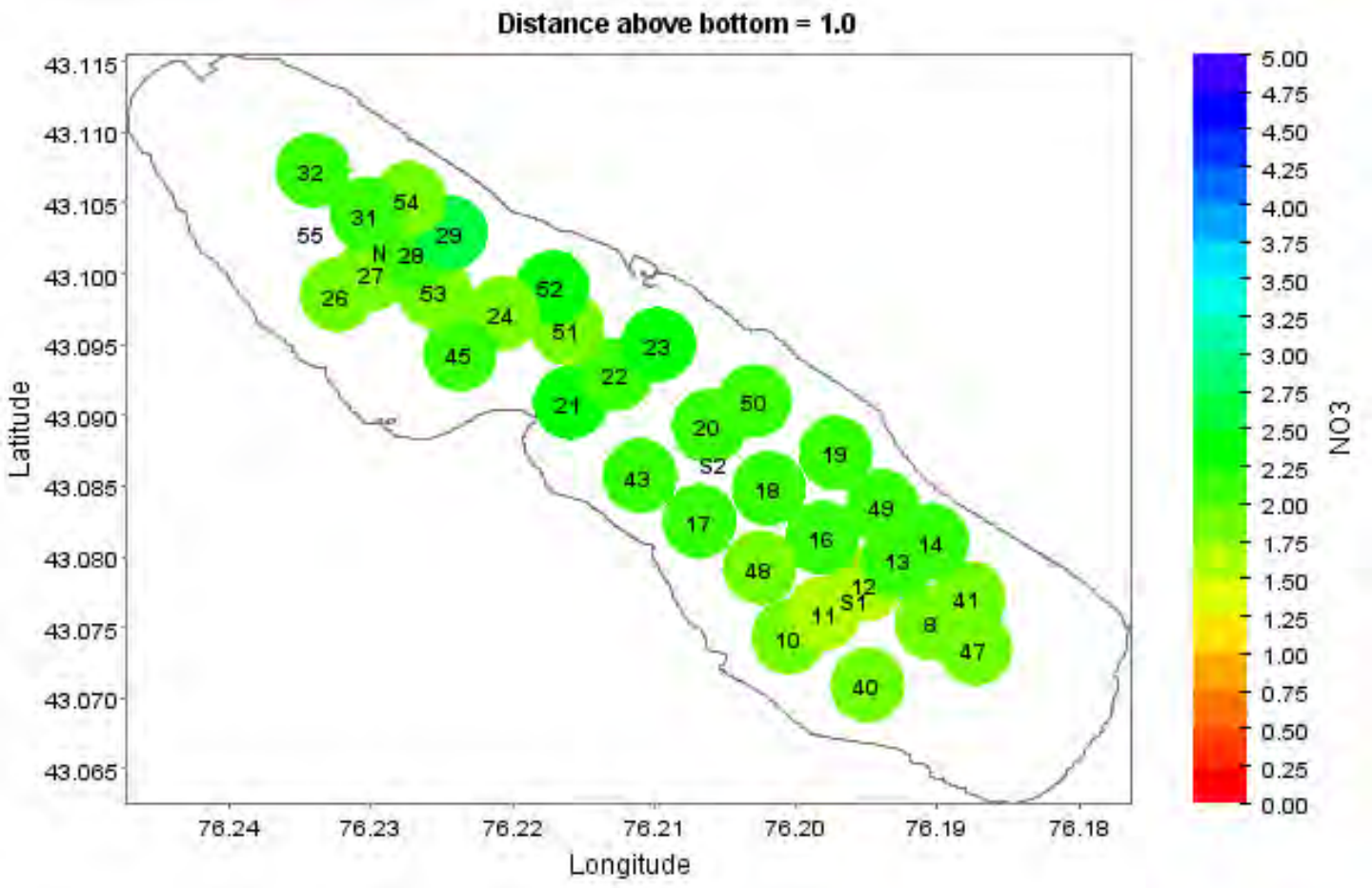
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

July 15, 2013



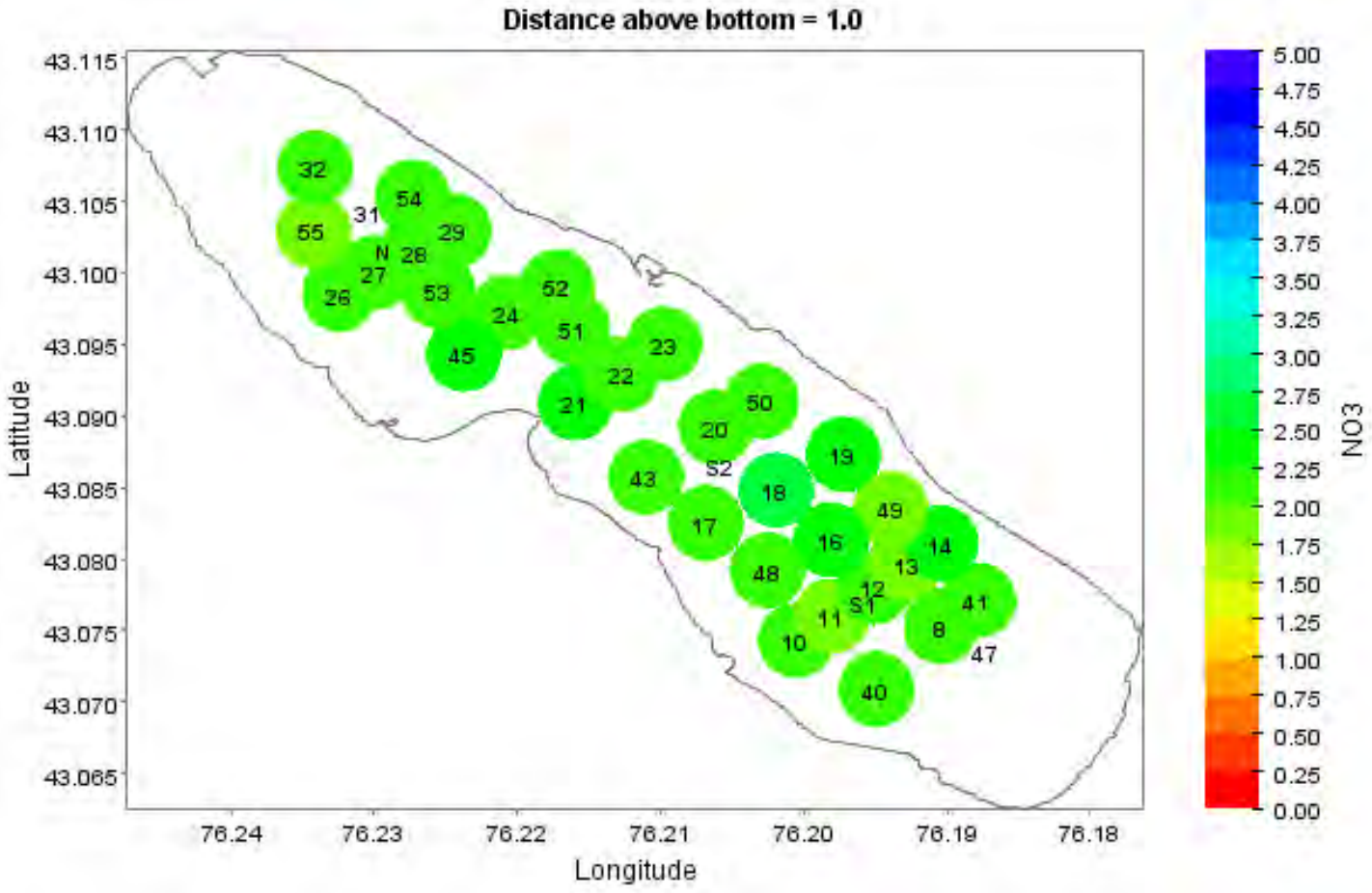
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

July 22, 2013



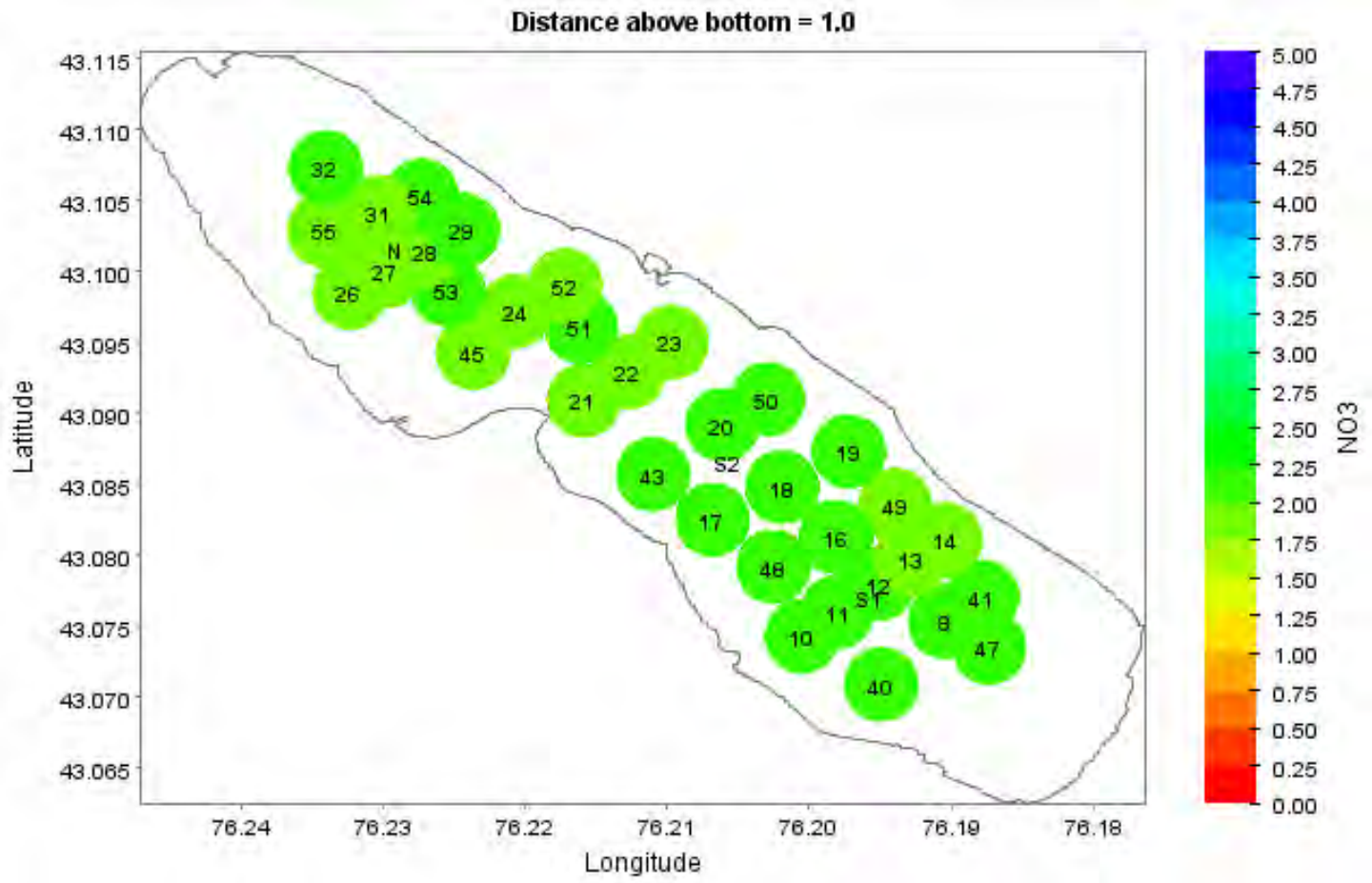
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

July 29, 2013



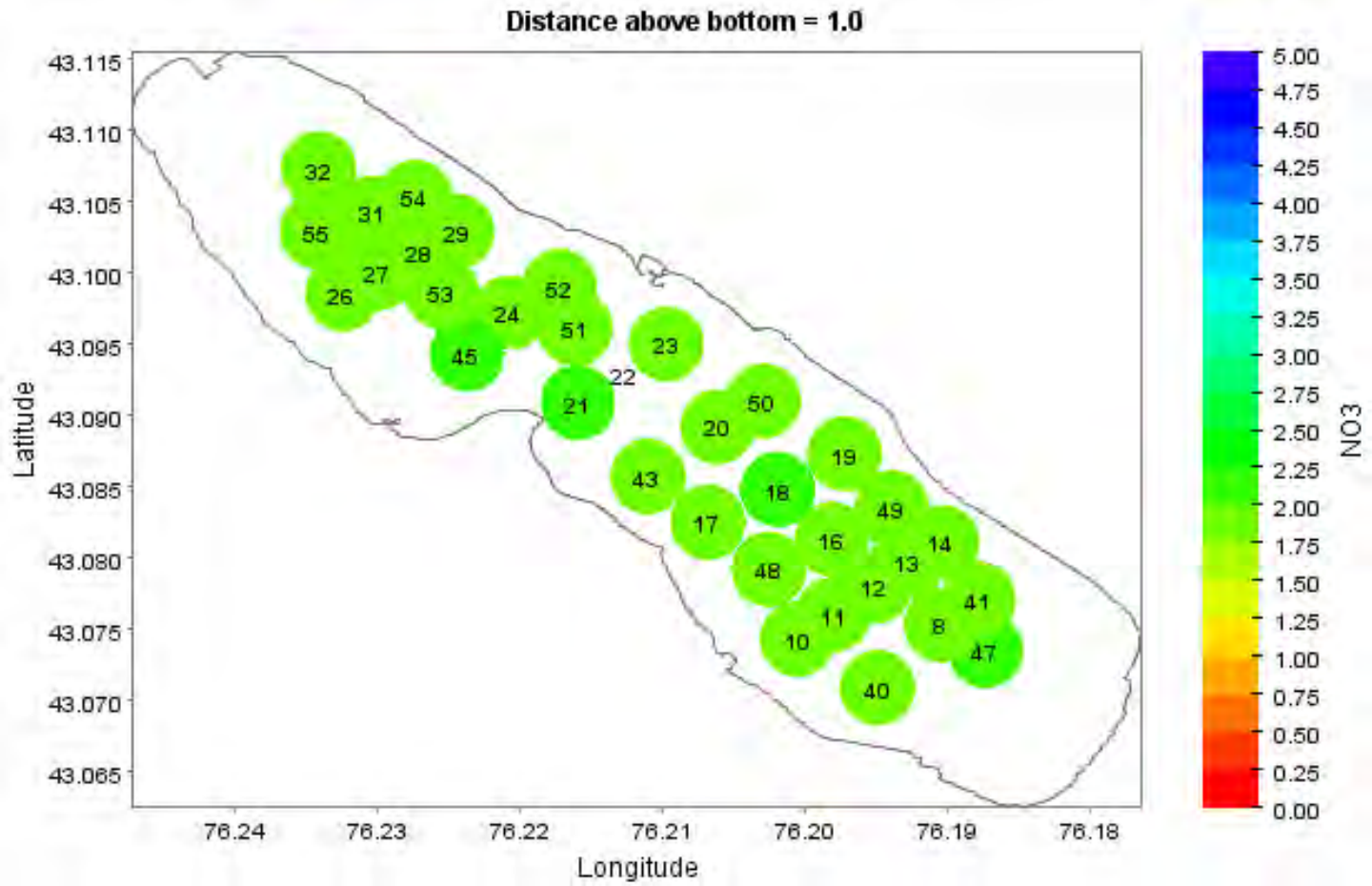
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

August 5, 2013



Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

August 12, 2013



Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

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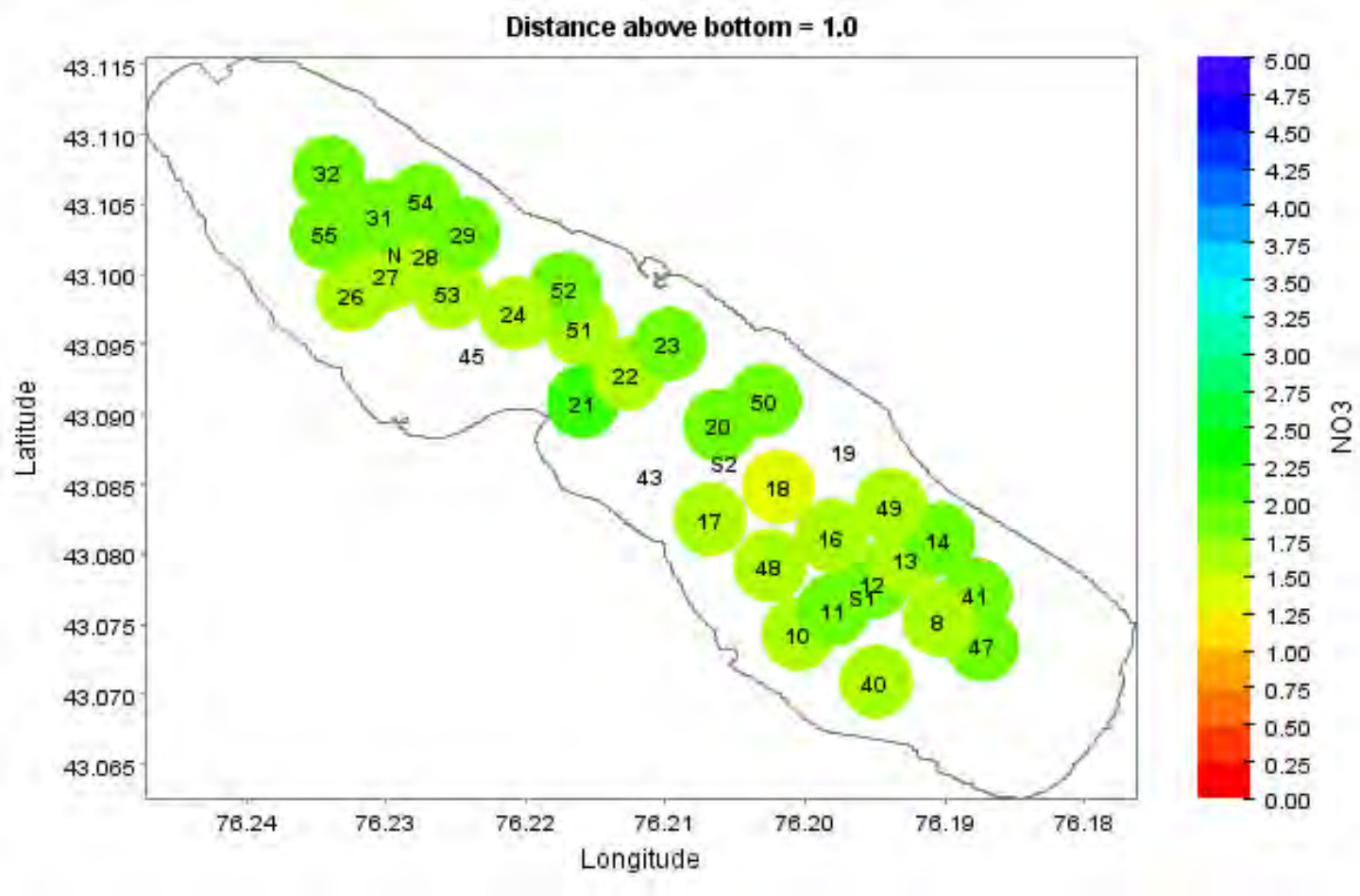

Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

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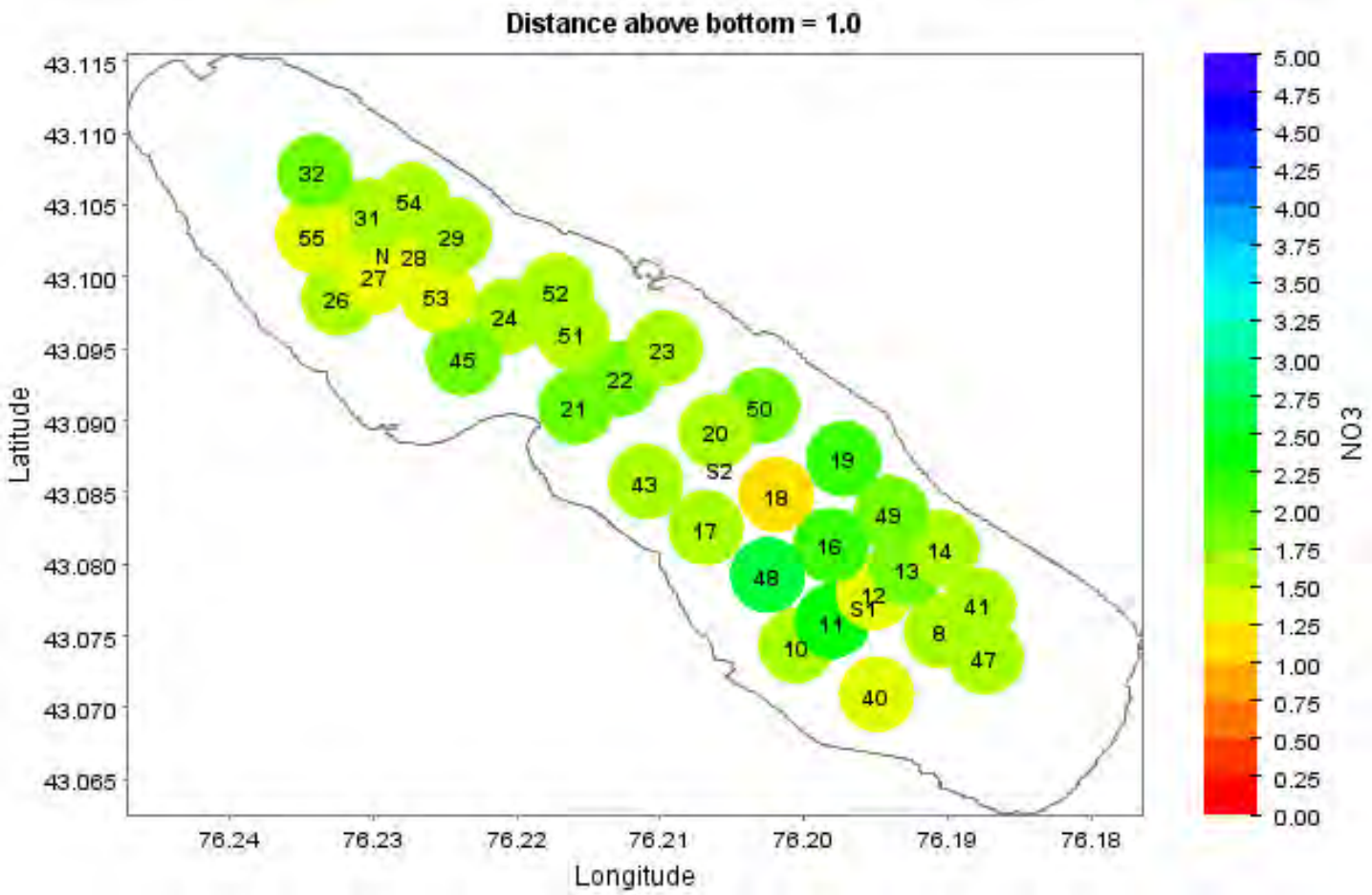
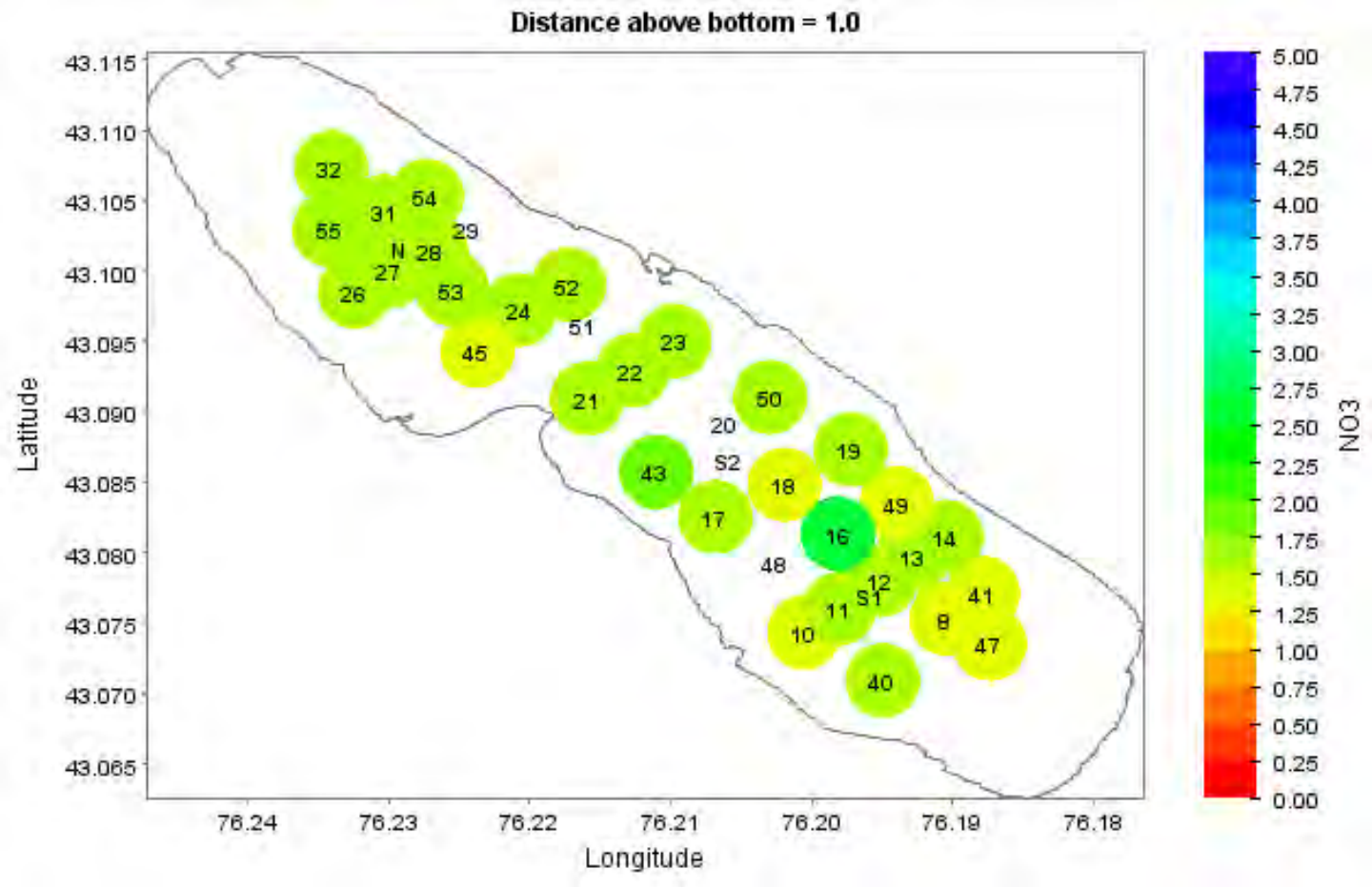


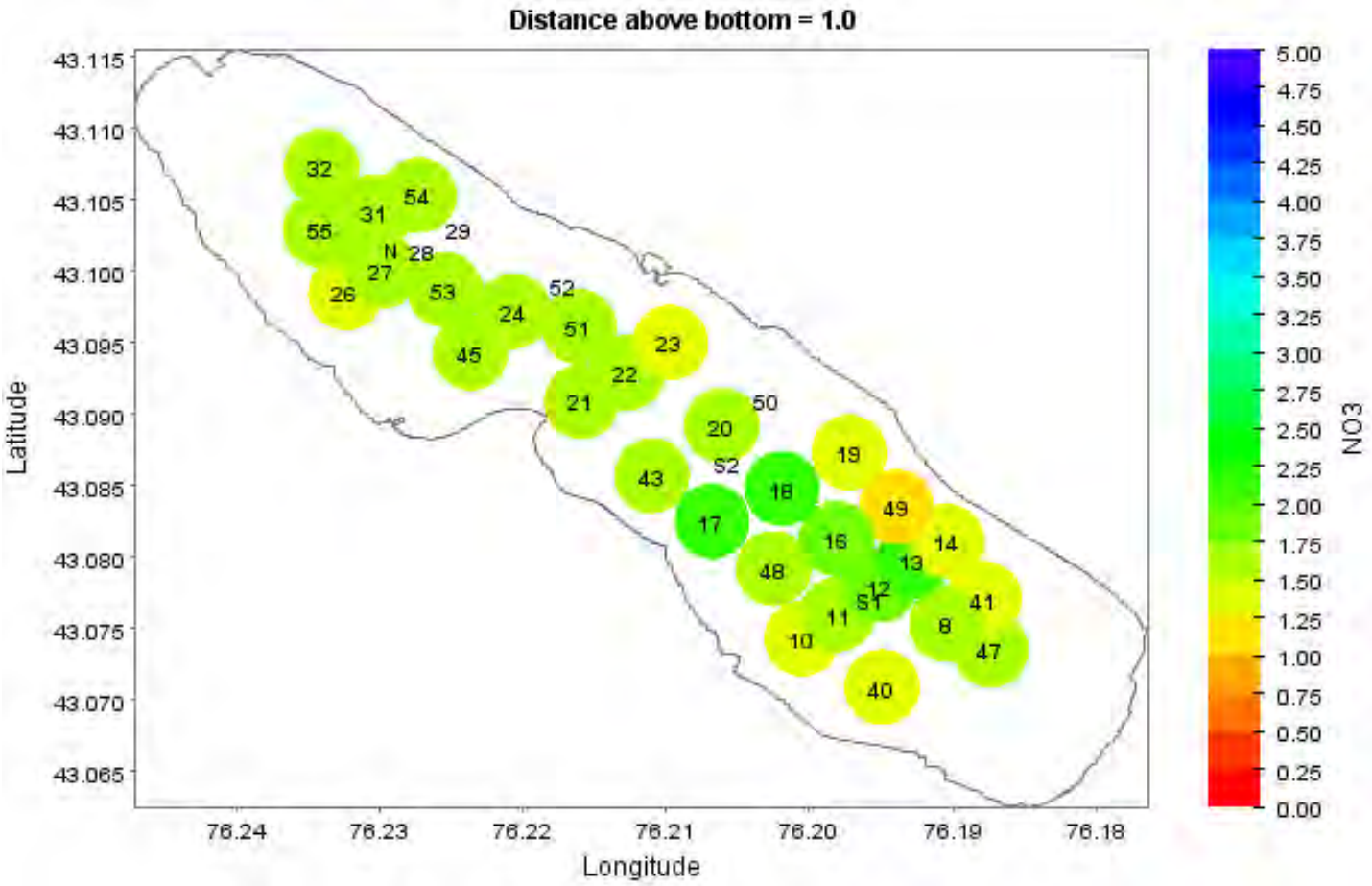
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

September 3, 2013



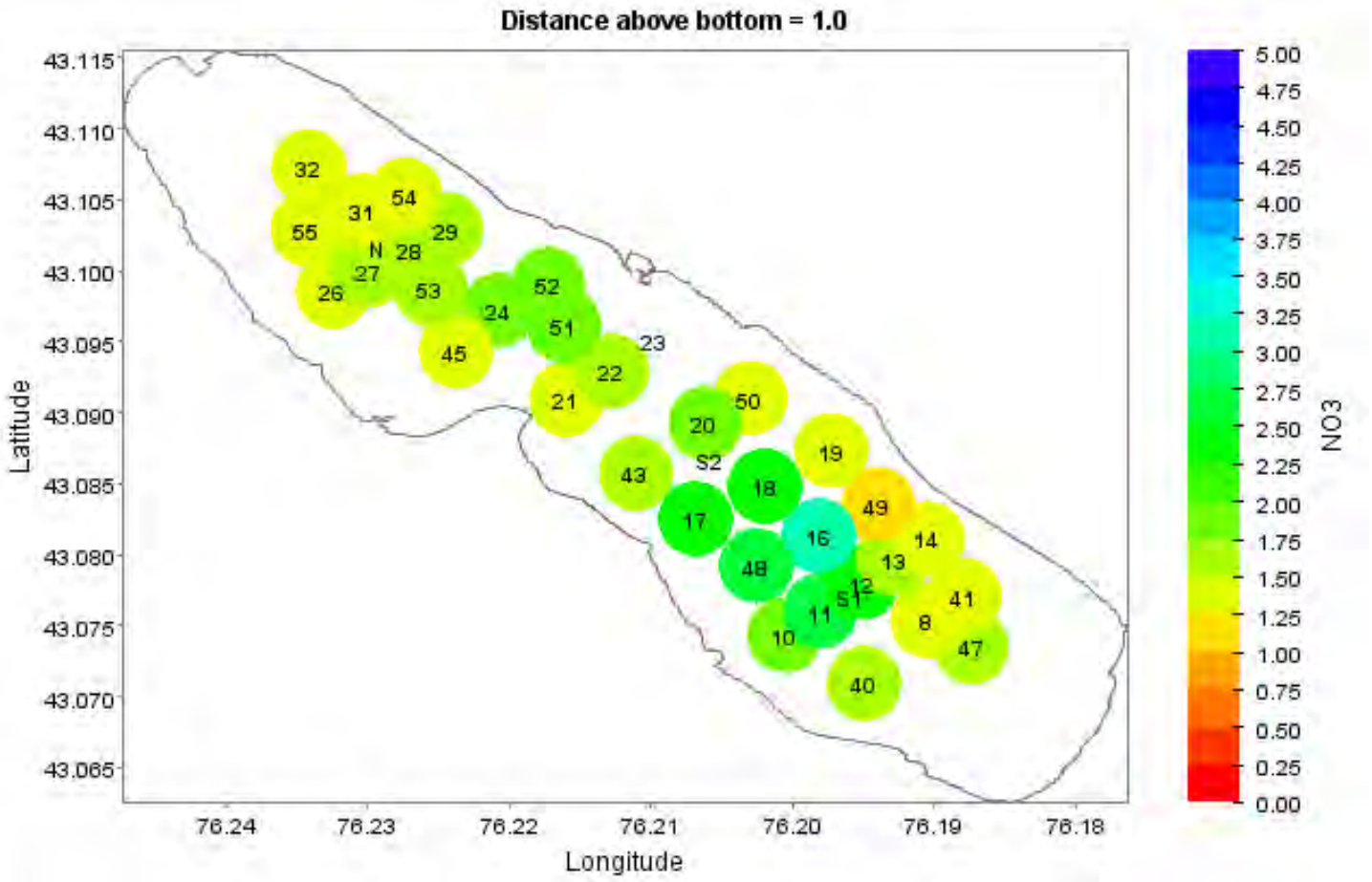
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

September 9, 2013



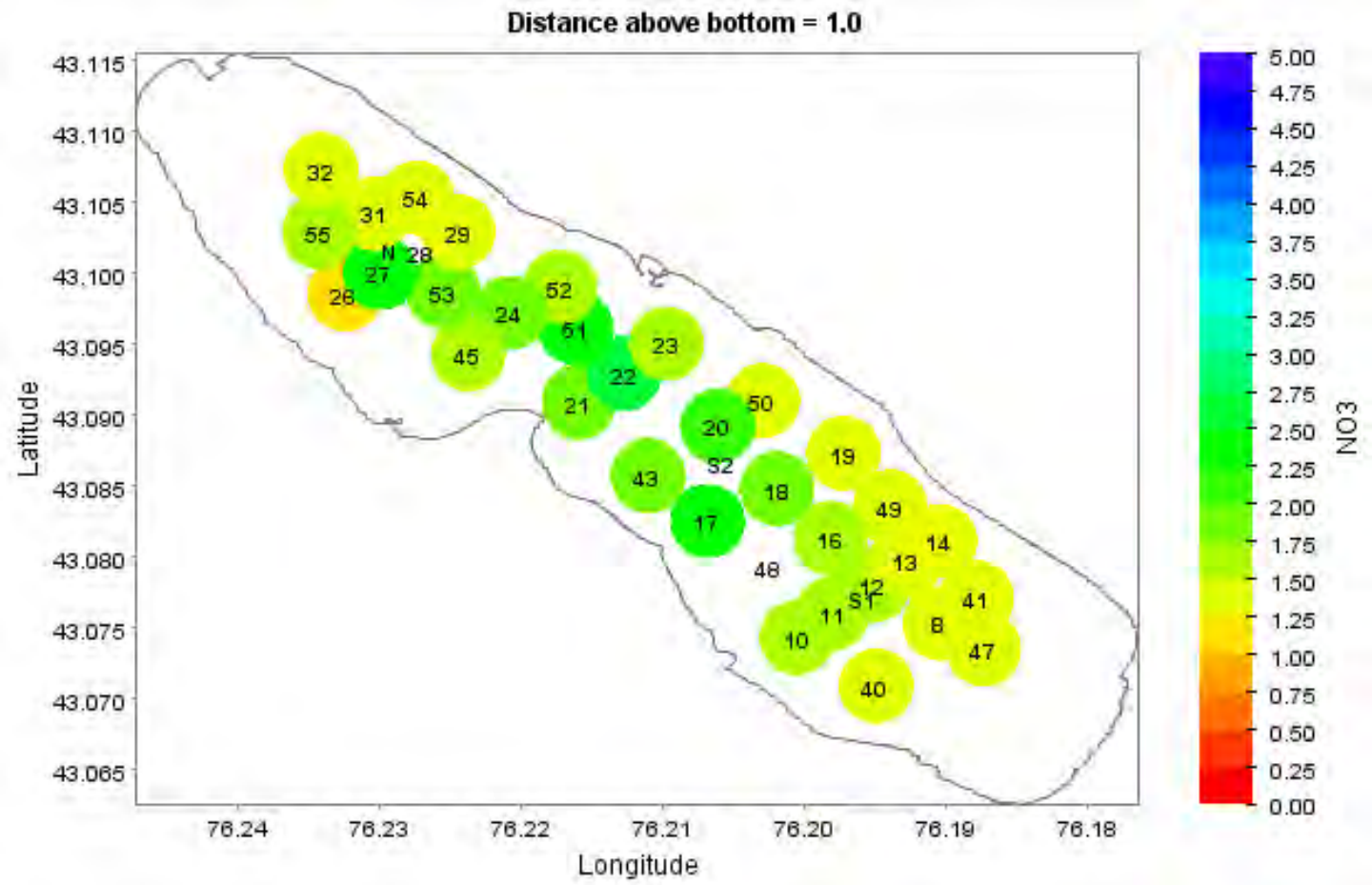
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

September 16, 2013



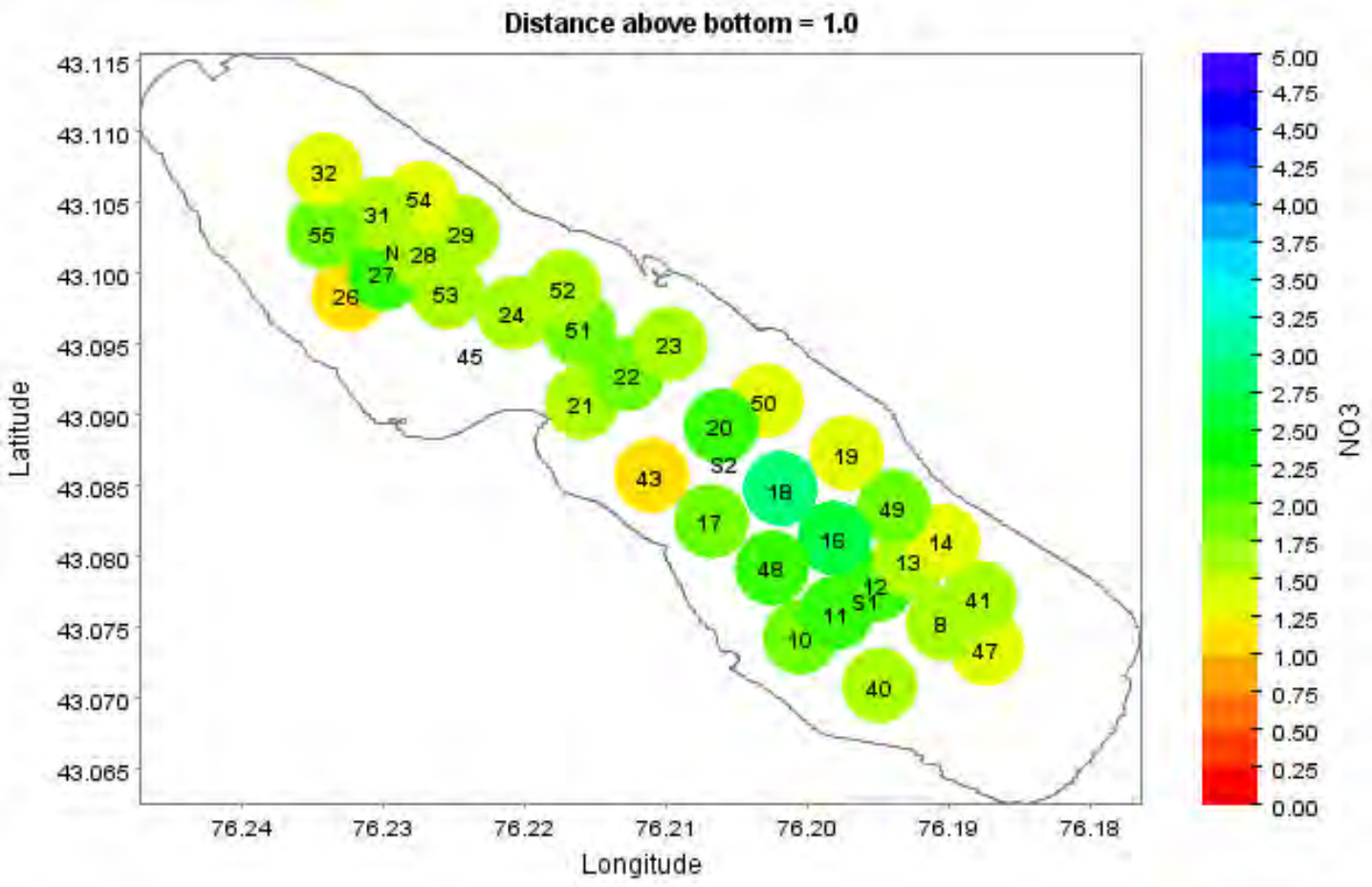
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

September 23, 2013



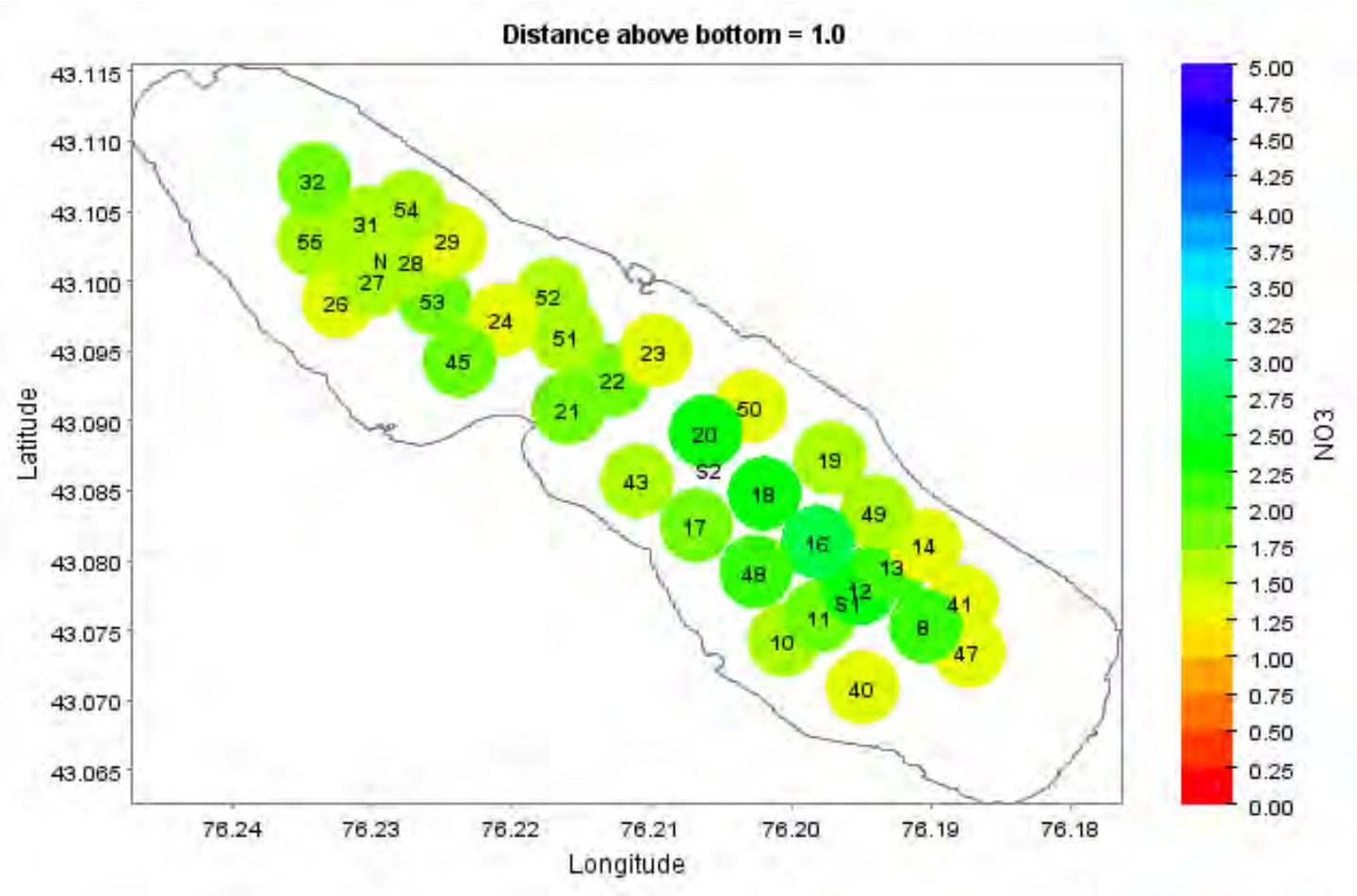
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

September 30, 2013



Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

October 8, 2013



Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

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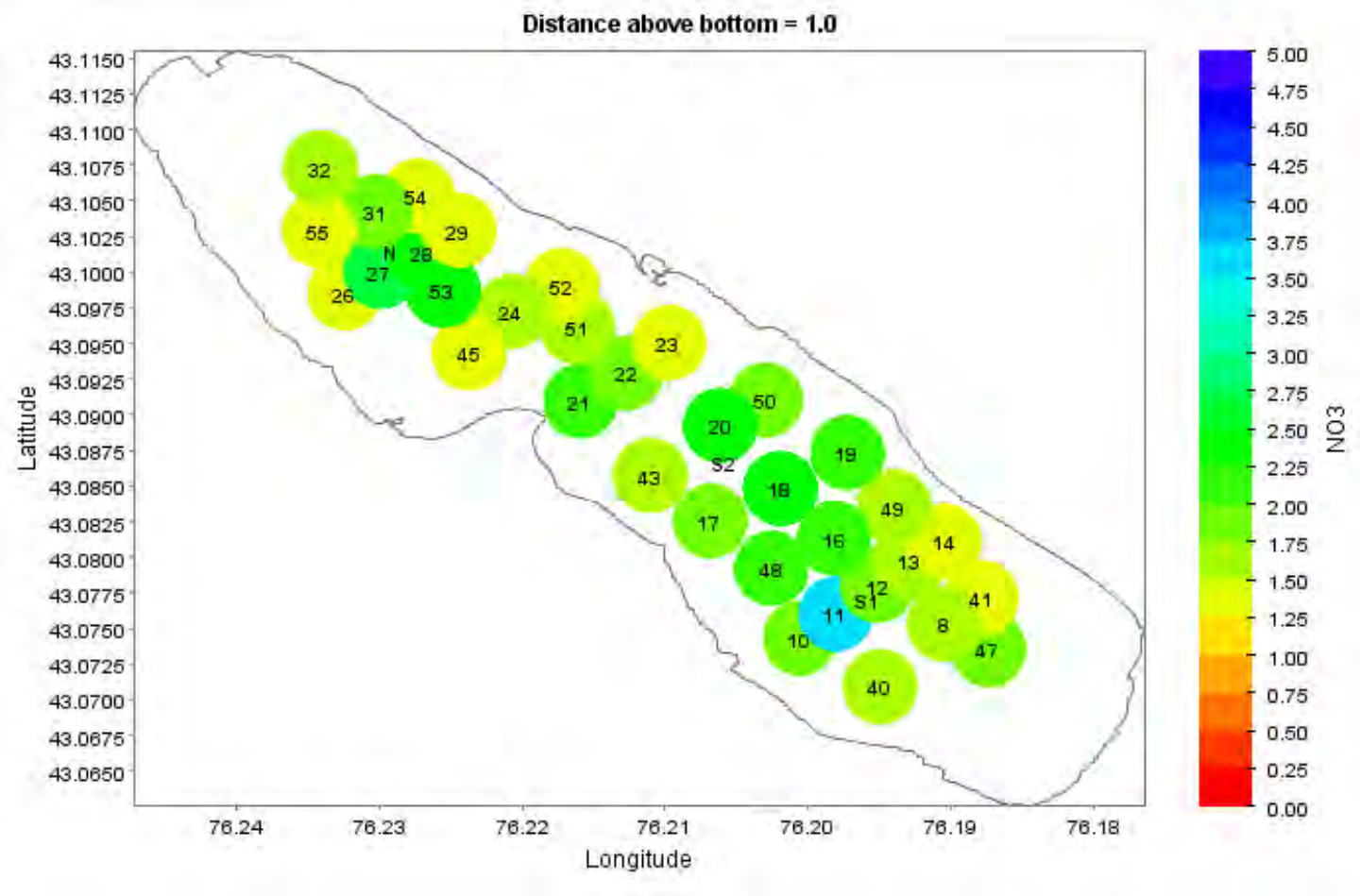
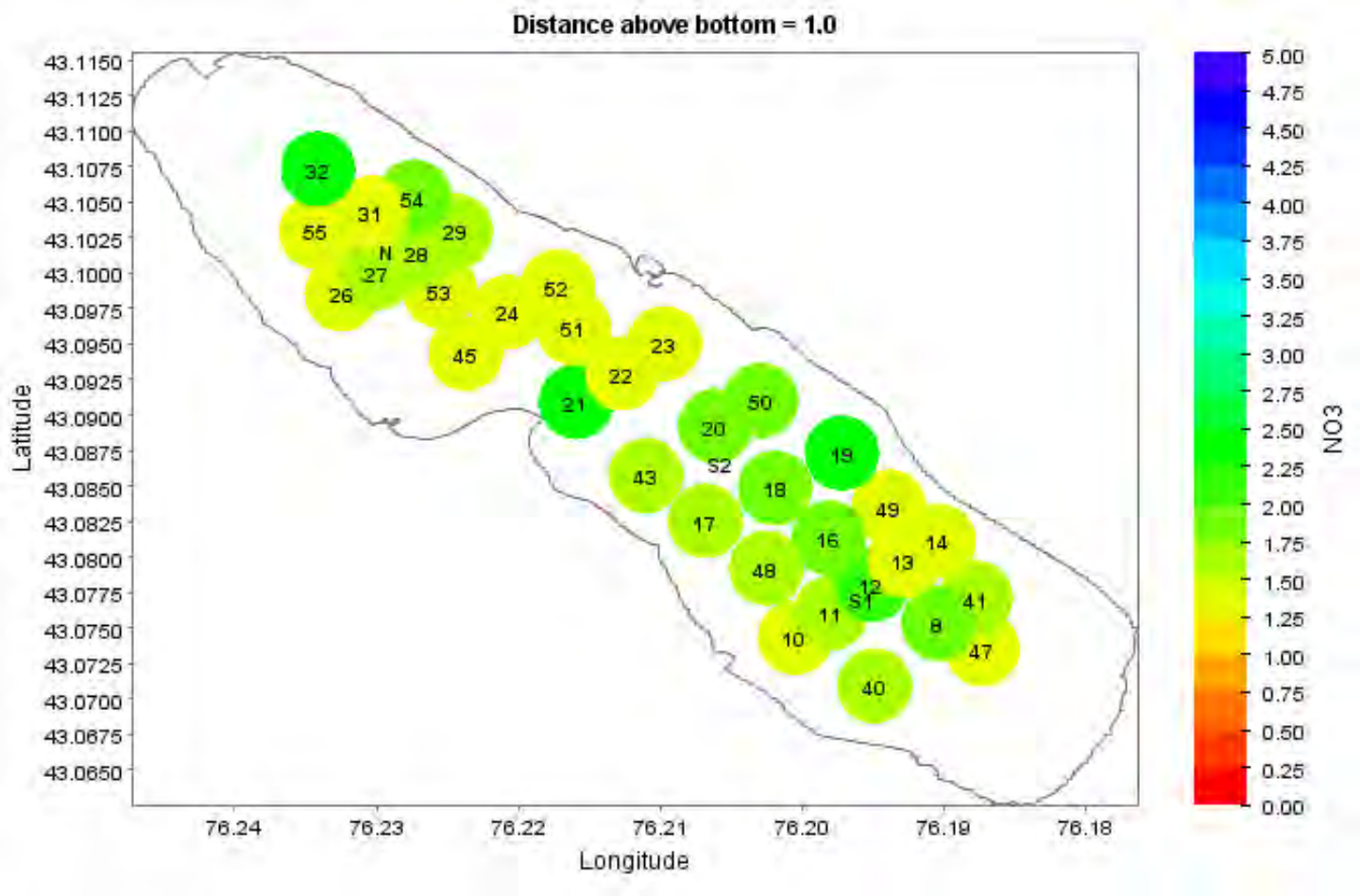


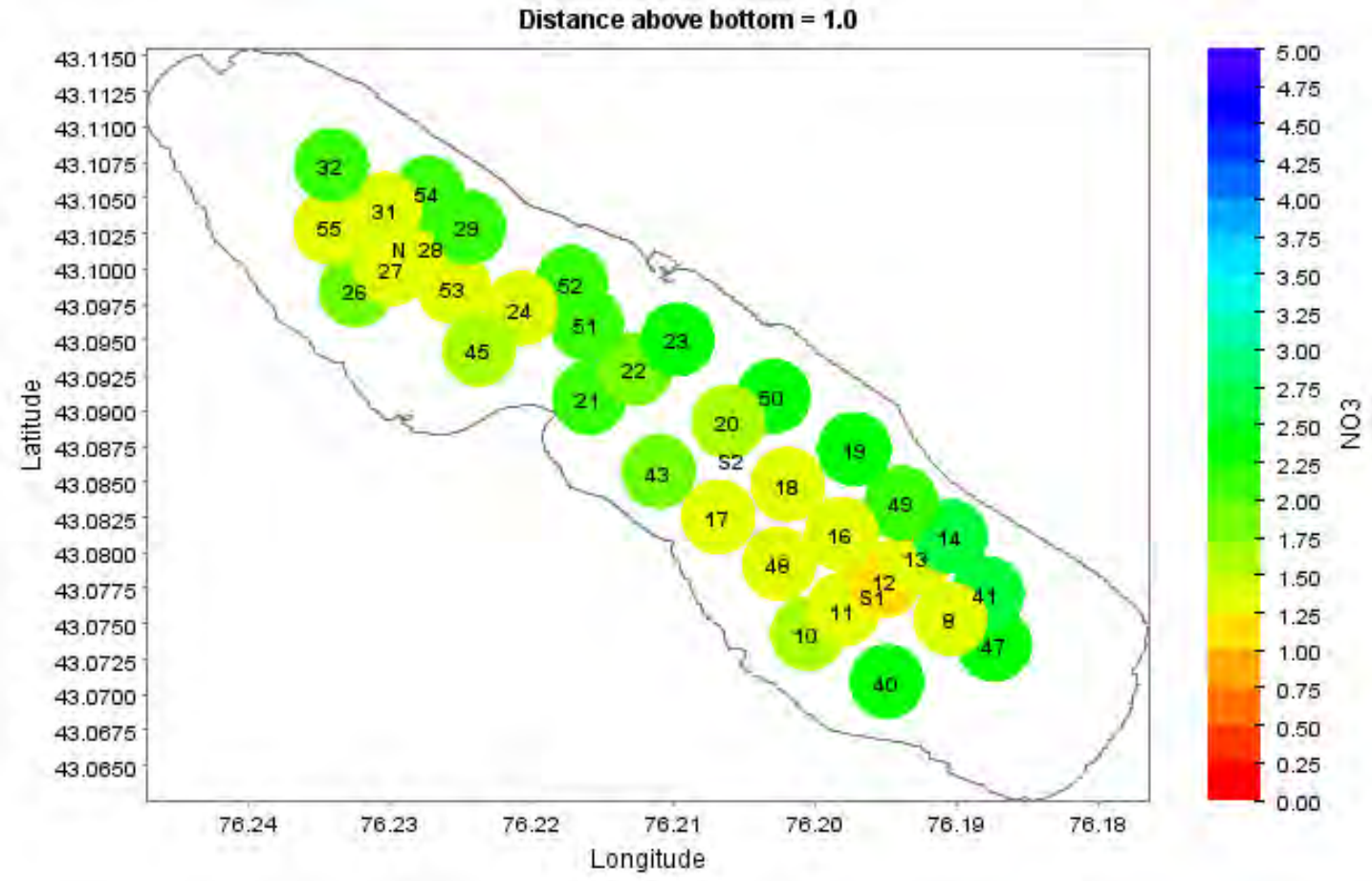
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

October 21, 2013



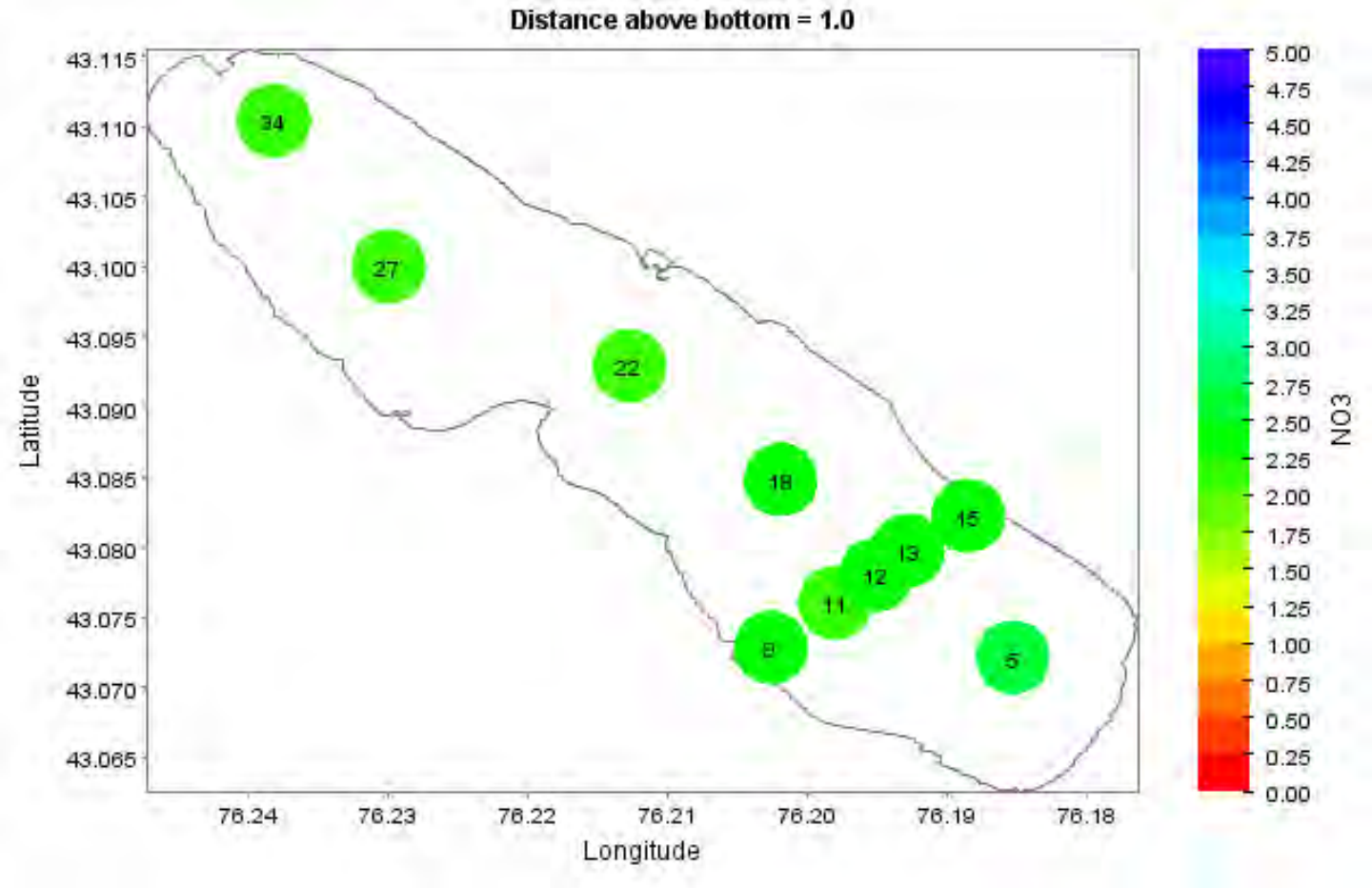
Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

October 28, 2013



Color Bubble Plots at ~1.0 m off Bottom, Nitrate (mgN/L)

November 4, 2013



APPENDIX D

DATA USABILITY AND SUMMARY REPORT: ONONDAGA LAKE 2013 SURFACE WATER MONITORING ASSOCIATED WITH NITRATE ADDITION AND 2013 PROFUNDAL ZONE SEDIMENT TRAP RESULTS

APPENDIX D:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE 2013 SURFACE WATER MONITORING FOR THE THIRD YEAR (2013) OF THE NITRATE ADDITION PILOT TEST AND 2013 PROFUNDAL ZONE SEDIMENT TRAPS

Prepared For:

Honeywell

Prepared By:

PARSONS

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Syracuse, New York 13212
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JANUARY 2014

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ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR SEDIMENT TRAP SAMPLES ANALYZED IN 2013

SECTION D1

DATA USABILITY SUMMARY

Surface water and sediment trap samples were collected as part of the 2013 nitrate addition pilot (NAP) test in the hypolimnion efforts for Onondaga Lake from May 20, 2013 through November 20, 2013. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan for Pilot Test to Add Nitrate to the Hypolimnion of Onondaga Lake (Parsons and UFI, 2011) and Addendum 2 (2013);
- Draft Onondaga Lake Remedial Goal and Construction Water Quality Monitoring Quality Assurance Project Plan (QAPP) (Parsons, Anchor QEA and UFI, 2012); and
- USEPA Region II Standard Operating Procedures (SOPs) for inorganic data review (see Section D2 for citations).

Upstate Freshwater Institute (UFI) in Syracuse, New York collected all of the samples reported herein.

The analytical laboratories for this project were Test America Laboratories (TAL) in North Canton, OH and Pittsburgh, PA; and UFI. These laboratories are certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and the New State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

D1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 8 to 43 days for the samples.

The data packages received from the laboratories were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized by sample media in Section D2.

D1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at the laboratories within one to two days of sampling. All samples were received intact and in good condition at the laboratories.

D1.3 LABORATORY ANALYTICAL METHODS

The surface water samples were collected from the site and analyzed for total and/or dissolved low level mercury, methyl mercury, ferrous iron, total calcium, nitrite, nitrate-nitrite, reactive phosphate, and/or ammonia. Sediment trap samples were collected from the site and analyzed for low level mercury, total suspended solids (TSS), and total fixed solids. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections D1.3.1 through D1.3.4. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method by media in Section D2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given

"UJ" - estimated and not detected at the value given

"J" - estimated at the value given

"N" - presumptive evidence at the value given

"R" - unusable value

The validated laboratory data were tabulated and are presented in Attachment A.

D1.3.1 Low Level Mercury Analysis

Surface water and sediment trap sample results reported herein were analyzed by TAL for low level mercury using the USEPA 1631E analytical method. Certain reported results for the low level mercury samples were qualified as estimated based upon matrix spike recoveries and field duplicate precision. The reported low level mercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

D1.3.2 Methyl Mercury Analysis

Surface water sample results reported herein were analyzed by TAL for methyl mercury using the USEPA 1630 analytical method. Certain reported results for the methyl mercury samples were qualified as estimated based upon laboratory control sample recoveries and matrix spike recoveries. The reported methyl mercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

D1.3.3 Other Sediment Trap Analyses

Sediment trap sample results reported herein were also analyzed by UFI using analytical SOPs for TSS and total fixed solids. Sample results for these parameters did not require qualification resulting from data validation. The reported analytical results for these parameters

were considered 100% complete (i.e., usable) for the data presented by UFI. PARCC requirements were met.

D1.3.4 Other Surface Water Analyses

Surface water sample results for other parameters reported herein were analyzed by UFI using analytical SOPs for ferrous iron, total calcium, nitrite, nitrate-nitrite, reactive phosphate, and/or ammonia. Total calcium was analyzed by TAL beginning with the August 2013 surface water samples using the USEPA SW-846 6010C analytical method because of failing instrumentation at UFI. Certain reported results for these parameters were qualified as estimated based upon holding times and instrument calibrations. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by UFI and TAL. PARCC requirements were met.

SECTION D2

DATA VALIDATION REPORTS

D2.1 SURFACE WATER SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing surface water samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". This data validation and usability report is presented by analysis type.

D2.1.1 Total and Dissolved Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination, MS/MSD recoveries, and field duplicate precision as discussed below.

Blank Contamination

Initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging 0.176 – 0.285 ng/L and dissolved mercury at a concentration ranging 0.180 – 0.426 ng/L. Field and equipment blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging 0.016 – 0.3 ng/L and dissolved mercury at a concentration below the reporting limit ranging 0.31 – 0.45 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the associated samples.

MS/MSD Recoveries

All MS/MSD mercury recoveries were considered acceptable and within the 71-125%R QC limit with the exception of the low total mercury MS/MSD recoveries (66%R/37%R) associated with samples collected on 7/22/13; and the low total mercury MSD recovery (30%R) associated with samples collected on 8/5/13. Therefore, the total mercury results were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision of total mercury for the field duplicate pairs OL-1929-02/-03 (67%RPD). Therefore, the total mercury results for these samples were considered estimated and qualified "J".

Usability

All total and dissolved mercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The total and dissolved low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-1.

D2.1.2 Methyl Mercury

The following items were reviewed for compliancy in the methyl mercury analysis:

- Custody documentation

- Holding times
- Surrogate recoveries
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination, MS/MSD recoveries, and LCS recoveries as discussed below.

Blank Contamination

Initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methyl mercury at a concentration below the reporting limit ranging 0.0137 – 0.027 ng/L. Field and equipment blanks associated with project samples contained methyl mercury at a concentration ranging 0.013 – 0.085 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the associated samples.

MS/MSD Recoveries

All MS/MSD methyl mercury recoveries were considered acceptable and within the 12-135%R QC limit with the exception of the high methyl mercury MSD recovery (149%R) associated with samples collected on 8/26/13. Therefore, the positive methyl mercury results were considered estimated, possibly biased high, and qualified "J" for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within the 44-128%R QC limit with the exception of the high methyl mercury LCS recovery (131%R) associated with samples collected

on 8/26/13. Therefore, positive methyl mercury results were considered estimated, possibly biased high, and qualified "J" for the affected samples.

Usability

All methyl mercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The methyl mercury data presented by TAL were 100% complete (i.e., usable). The validated methyl mercury laboratory data are tabulated and presented in Attachment A-1.

D2.1.3 Total Calcium, Ferrous Iron, Nitrite, Nitrate-Nitrite, Reactive Phosphate, and Ammonia

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, QC field blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required with the exception of the following:

- The ammonia result for sample OL-1913-05 and the reactive phosphate results for samples collected 7/15/13 were considered estimated and qualified "J" based upon high continuing calibration verification recoveries.

- The nitrite and nitrate-nitrite results for samples collected 9/5/13, 10/14/13, and 10/28/13 were considered estimated, possibly biased low, and qualified "J" based upon an exceedance of the 48-hour analytical holding time by one to five days.

- The nitrate-nitrite results for samples OL-1913-01 and OL-1976-01; the ammonia results for samples OL-1927-01, -02, -03, -04, OL-1934-01, -02, -03, OL-1943-01, -02, -03, OL-1950-02, -03, OL-1961-01, -02, -03, OL-1966-01, -02, -03, OL-1971-01, -02, -03, OL-1976-01, OL-1980-02, -03, and OL-1999-01; the total calcium results for samples OL-1958-01, OL-1959-01, OL-1965-01, OL-1970-01, OL-1980-01, OL-1995-01, and OL-1984-01; and the reactive phosphate results for samples collected on 10/8/13 and 10/21/13 were considered not detected and qualified "U" based upon similar concentrations detected in the associated laboratory blanks and/or field blanks.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The data for these parameters presented by UFI and TAL were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

D2.2 SEDIMENT TRAP SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing sediment trap samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-2. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". This data validation and usability report is presented by analysis type.

D2.2.1 Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All low level mercury results for the sediment trap samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-2.

D2.2.2 TSS and Total Fixed Solids

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The data for these parameters presented by UFI were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR 2013 NITRATE ADDITION SURFACE WATER SAMPLES

							Parameter	MERCURY		TOTAL FIXED SOLIDS		Total Suspended Solids	
							Units	ug/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Date	Sample Delivery Group	Sample Depth	Matrix	Purpose	Samp Type						
OL-1902-01	DEEP_S	5/20/2013	UFI CHM 2013-015	33-33 ft	WATER	REG	SLURRY			1336		1684	
OL-1902-02	DEEP_S	5/20/2013	UFI CHM 2013-015	33-33 ft	WATER	FD	SLURRY			1264		1572	
OL-1902-03	DEEP_S	5/20/2013	UFI CHM 2013-015	33-33 Ft	WATER	FD2	SLURRY			1304		1640	
OL-1941-01	DEEP_S	5/20/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.1					
OL-1905-01	DEEP_S	5/28/2013	UFI CHM 2013-020	33-33 ft	WATER	REG	SLURRY			2816		3376	
OL-1905-02	DEEP_S	5/28/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			2904		3488	
OL-1905-03	DEEP_S	5/28/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			3012		3636	
OL-1941-02	DEEP_S	5/28/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	2.6					
OL-1906-01	DEEP_S	6/3/2013	UFI CHM 2013-020	33-33 ft	WATER	REG	SLURRY			1456		1900	
OL-1906-02	DEEP_S	6/3/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			1344		1752	
OL-1906-03	DEEP_S	6/3/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			1400		1828	
OL-1941-03	DEEP_S	6/3/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.2					
OL-1907-01	DEEP_S	6/10/2013	UFI CHM 2013-020	33-33 ft	WATER	REG	SLURRY			2384		2784	
OL-1907-02	DEEP_S	6/10/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			2588		3020	
OL-1907-03	DEEP_S	6/10/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			3084		3580	
OL-1941-04	DEEP_S	6/10/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.3					
OL-1909-01	DEEP_S	6/17/2013	UFI CHM 2013-020	33-33 ft	WATER	REG	SLURRY			3376		3868	
OL-1909-02	DEEP_S	6/17/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			3376		3840	
OL-1909-03	DEEP_S	6/17/2013	UFI CHM 2013-020	33-33 ft	WATER	FD	SLURRY			3032		3444	
OL-1941-05	DEEP_S	6/17/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.1					
OL-1914-01	DEEP_S	6/24/2013	UFI CHM 2013-022	33-33 ft	WATER	REG	SLURRY			1072		1400	
OL-1914-02	DEEP_S	6/24/2013	UFI CHM 2013-022	33-33 ft	WATER	FD	SLURRY			1120		1460	
OL-1914-03	DEEP_S	6/24/2013	UFI CHM 2013-022	33-33 ft	WATER	FD	SLURRY			1268		1644	
OL-1941-06	DEEP_S	6/24/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	0.55					
OL-1917-01	DEEP_S	7/1/2013	UFI CHM 2013-024	33-33 ft	WATER	REG	SLURRY			1304		1580	
OL-1917-02	DEEP_S	7/1/2013	UFI CHM 2013-024	33-33 ft	WATER	FD	SLURRY			1244		1496	
OL-1917-03	DEEP_S	7/1/2013	UFI CHM 2013-024	33-33 ft	WATER	FD	SLURRY			1264		1516	
OL-1941-07	DEEP_S	7/1/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	0.72					
OL-1921-01	DEEP_S	7/8/2013	UFI CHM 2013-026	33-33 ft	WATER	REG	SLURRY			2876		3256	
OL-1921-02	DEEP_S	7/8/2013	UFI CHM 2013-026	33-33 ft	WATER	FD	SLURRY			2220		2524	
OL-1921-03	DEEP_S	7/8/2013	UFI CHM 2013-026	33-33 Ft	WATER	FD	SLURRY			2504		2812	
OL-1941-08	DEEP_S	7/8/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	0.78					
OL-1924-01	DEEP_S	7/15/2013	UFI CHM 2013-028	33-33 ft	WATER	REG	SLURRY			1716		1968	
OL-1924-02	DEEP_S	7/15/2013	UFI CHM 2013-028	33-33 ft	WATER	FD	SLURRY			2072		2388	
OL-1924-03	DEEP_S	7/15/2013	UFI CHM 2013-028	33-33 ft	WATER	FD	SLURRY			1792		2056	
OL-1941-09	DEEP_S	7/15/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.3					
OL-1928-01	DEEP_S	7/22/2013	UFI CHM 2013-031	33-33 ft	WATER	REG	SLURRY			3856		4252	
OL-1928-02	DEEP_S	7/22/2013	UFI CHM 2013-031	33-33 ft	WATER	FD	SLURRY			3960		4376	
OL-1928-03	DEEP_S	7/22/2013	UFI CHM 2013-031	33-33 ft	WATER	FD	SLURRY			4964		5488	
OL-1941-10	DEEP_S	7/22/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.2					
OL-1931-01	DEEP_S	7/29/2013	UFI CHM 2013-032	33-33 ft	WATER	REG	SLURRY			3260		2640	
OL-1931-02	DEEP_S	7/29/2013	UFI CHM 2013-032	33-33 ft	WATER	FD	SLURRY			3000		2816	
OL-1931-03	DEEP_S	7/29/2013	UFI CHM 2013-032	33-33 ft	WATER	FD	SLURRY			3080		3024	
OL-1941-11	DEEP_S	7/29/2013	240-27884-1	33-33 ft	WATER	REG	SLURRY	1.3					
OL-1935-01	DEEP_S	8/5/2013	UFI CHM 2013-034	33-33 ft	WATER	REG	SLURRY			3472		4156	
OL-1935-02	DEEP_S	8/5/2013	UFI CHM 2013-034	33-33 ft	WATER	FD	SLURRY			2620		3160	
OL-1935-03	DEEP_S	8/5/2013	UFI CHM 2013-034	33-33 ft	WATER	FD	SLURRY			2812		3372	
OL-2031-01	DEEP_S	8/5/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	0.12					
OL-1938-01	DEEP_S	8/12/2013	UFI CHM 2013-035	33-33 ft	WATER	REG	SLURRY			2348		2840	
OL-1938-02	DEEP_S	8/12/2013	UFI CHM 2013-035	33-33 ft	WATER	FD	SLURRY			1876		2280	
OL-1938-03	DEEP_S	8/12/2013	UFI CHM 2013-035	33-33 ft	WATER	FD	SLURRY			1828		2264	

							Parameter	MERCURY		TOTAL FIXED SOLIDS		Total Suspended Solids	
							Units	ug/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Date	Sample Delivery Group	Sample Depth	Matrix	Purpose	Samp Type						
OL-1944-01	DEEP_S	8/19/2013	UFI CHM 2013-037	33-33 ft	WATER	REG	SLURRY			2812		3340	
OL-1944-02	DEEP_S	8/19/2013	UFI CHM 2013-037	33-33 ft	WATER	FD	SLURRY			2800		3312	
OL-1944-03	DEEP_S	8/19/2013	UFI CHM 2013-037	33-33 ft	WATER	FD	SLURRY			2388		2836	
OL-2031-02	DEEP_S	8/19/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	1.5					
OL-1947-01	DEEP_S	8/26/2013	UFI CHM 2013-041	33-33 ft	WATER	REG	SLURRY			4116		4572	
OL-1947-02	DEEP_S	8/26/2013	UFI CHM 2013-041	33-33 ft	WATER	FD	SLURRY			3212		3584	
OL-1947-03	DEEP_S	8/26/2013	UFI CHM 2013-041	33-33 ft	WATER	FD	SLURRY			3504		3888	
OL-1951-01	DEEP_S	9/5/2013	UFI CHM 2013-041	33-33 ft	WATER	REG	SLURRY			4272		4848	
OL-1951-02	DEEP_S	9/5/2013	UFI CHM 2013-041	33-33 ft	WATER	FD	SLURRY			3976		4492	
OL-1951-03	DEEP_S	9/5/2013	UFI CHM 2013-041	33-33 ft	WATER	FD	SLURRY			3552		4040	
OL-1955-01	DEEP_S	9/9/2013	UFI CHM 2013-044	33-33 ft	WATER	REG	SLURRY			2104		2440	
OL-1955-02	DEEP_S	9/9/2013	UFI CHM 2013-044	33-33 ft	WATER	FD	SLURRY			1932		2240	
OL-1955-03	DEEP_S	9/9/2013	UFI CHM 2013-044	33-33 ft	WATER	FD	SLURRY			2516		2928	
OL-2031-03	DEEP_S	9/9/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	0.59					
OL-1962-01	DEEP_S	9/16/2013	UFI CHM 2013-045	33-33 ft	WATER	REG	SLURRY			1544		2016	
OL-1962-02	DEEP_S	9/16/2013	UFI CHM 2013-045	33-33 ft	WATER	FD	SLURRY			1576		2036	
OL-1962-03	DEEP_S	9/16/2013	UFI CHM 2013-045	33-33 ft	WATER	FD	SLURRY			1320		1684	
OL-2031-04	DEEP_S	9/16/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	0.16					
OL-1967-01	DEEP_S	9/23/2013	UFI CHM 2013-048	33-33 ft	WATER	REG	SLURRY			1656		2048	
OL-1967-02	DEEP_S	9/23/2013	UFI CHM 2013-048	33-33 ft	WATER	FD	SLURRY			1992		2428	
OL-1967-03	DEEP_S	9/23/2013	UFI CHM 2013-048	33-33 ft	WATER	FD	SLURRY			1652		2052	
OL-2031-05	DEEP_S	9/23/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	1.7					
OL-1972-01	DEEP_S	9/30/2013	UFI CHM 2013-051	33-33 ft	WATER	REG	SLURRY			1248		1572	
OL-1972-02	DEEP_S	9/30/2013	UFI CHM 2013-051	33-33 ft	WATER	FD	SLURRY			1260		1528	
OL-1972-03	DEEP_S	9/30/2013	UFI CHM 2013-051	33-33 ft	WATER	FD	SLURRY			1236		1496	
OL-2031-06	DEEP_S	9/30/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	2					
OL-1977-01	DEEP_S	10/8/2013	UFI CHM 2013-052	33-33 ft	WATER	REG	SLURRY			1604		1964	
OL-1977-02	DEEP_S	10/8/2013	UFI CHM 2013-052	33-33 ft	WATER	FD	SLURRY			1712		2056	
OL-1977-03	DEEP_S	10/8/2013	UFI CHM 2013-052	33-33 ft	WATER	FD	SLURRY			1340		1596	
OL-2031-07	DEEP_S	10/8/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	1.8					
OL-1981-01	DEEP_S	10/14/2013	UFI CHM 2013-054	33-33 ft	WATER	REG	SLURRY			1312		1596	
OL-1981-02	DEEP_S	10/14/2013	UFI CHM 2013-054	33-33 ft	WATER	FD	SLURRY			1248		1532	
OL-1981-03	DEEP_S	10/14/2013	UFI CHM 2013-054	33-33 ft	WATER	FD	SLURRY			1376		1676	
OL-2031-08	DEEP_S	10/14/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	1.4					
OL-1986-01	DEEP_S	10/21/2013	UFI CHM 2013-056	33-33 ft	WATER	REG	SLURRY			1328		1624	
OL-1986-02	DEEP_S	10/21/2013	UFI CHM 2013-056	33-33 ft	WATER	FD	SLURRY			1508		1808	
OL-1986-03	DEEP_S	10/21/2013	UFI CHM 2013-056	33-33 ft	WATER	FD	SLURRY			692		1800	
OL-2031-09	DEEP_S	10/21/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	0.91					
OL-1992-01	DEEP_S	10/28/2013	UFI CHM 2013-059	33-33 ft	WATER	REG	SLURRY			3220		3728	
OL-1992-02	DEEP_S	10/28/2013	UFI CHM 2013-059	33-33 ft	WATER	FD	SLURRY			3148		3708	
OL-1992-03	DEEP_S	10/28/2013	UFI CHM 2013-059	33-33 Ft	WATER	FD	SLURRY			2672		3096	
OL-2031-10	DEEP_S	10/28/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	3					
OL-2023-01	DEEP_S	11/4/2013	UFI CHM 2013-062	33-33 ft	WATER	REG	SLURRY			5312		6092	
OL-2023-02	DEEP_S	11/4/2013	UFI CHM 2013-062	33-33 ft	WATER	FD	SLURRY			5484		6356	
OL-2023-03	DEEP_S	11/4/2013	UFI CHM 2013-062	33-33 ft	WATER	FD	SLURRY			4584		5248	
OL-2031-11	DEEP_S	11/4/2013	240-31721-1	33-33 ft	WATER	REG	SLURRY	7.1					

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR SEDIMENT TRAP SAMPLES ANALYZED IN 2013

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1901-01	FIELD QC	NA	5/20/2013	UFI CHM 2013-015	WATER	FB	BLKWATER	0.6	U									0.013	U	0.043	U	0.048	U		
OL-1901-02	DEEP_S	6.6-6.6 Ft	5/20/2013	UFI CHM 2013-015	WATER	REG	W-SW	152.3										0.024		0.033	J	2.681			
OL-1901-03	DEEP_S	6.6-6.6 Ft	5/20/2013	UFI CHM 2013-015	WATER	FD	W-SW	161										0.023		0.029	J	2.61			
OL-1901-04	DEEP_S	39.6-39.6 Ft	5/20/2013	UFI CHM 2013-015	WATER	REG	W-SW	149.5										0.025		0.114		2.668			
OL-1901-05	DEEP_S	59.4-59.4 Ft	5/20/2013	UFI CHM 2013-015	WATER	REG	W-SW	147										0.035		0.293		2.677			
OL-1903-01	FIELD QC	NA	5/20/2013	240-24667-1	WATER	FB	BLKWATER					0.00016	U			1.30E-05	U								
OL-1903-02	DEEP_S	6.6-6.6 ft	5/20/2013	240-24667-1	WATER	REG	W-SW					0.0013		0.0005	U	7.30E-05									
OL-1903-03	DEEP_S	6.6-6.6 ft	5/20/2013	240-24667-1	WATER	FD	W-SW					0.001				7.80E-05									
OL-1903-04	DEEP_S	39.6-39.6 ft	5/20/2013	240-24667-1	WATER	REG	W-SW					0.0015				6.40E-05									
OL-1903-05	DEEP_S	59.4-59.4 ft	5/20/2013	240-24667-1	WATER	REG	W-SW					0.00087				5.00E-05	U								
OL-1908-01	FIELD QC	NA	6/17/2013	UFI CHM 2013-020	Water	FB	BLKWATER	0.1	U									0.0015	U	0.006	U	0.006	U	0.0002	U
OL-1908-02	DEEP_S	6.6-6.6 ft	6/17/2013	UFI CHM 2013-020	Water	REG	W-SW	138.7										0.029		0.018	J	2.494			
OL-1908-03	DEEP_S	6.6-6.6 ft	6/17/2013	UFI CHM 2013-020	Water	FD	W-SW	136.2										0.028		0.027	J	2.487			
OL-1908-04	DEEP_S	39.6-39.6 ft	6/17/2013	UFI CHM 2013-020	Water	REG	W-SW	147.6										0.045		0.232		2.508		0.0007	J
OL-1908-05	DEEP_S	59.4-59.4 ft	6/17/2013	UFI CHM 2013-020	Water	REG	W-SW	143.9										0.084		0.517		2.041		0.0013	J
OL-1910-01	FIELD QC	NA	6/17/2013	240-25811-1	Water	FB	BLKWATER					0.00016	U			5.00E-05	U								
OL-1910-02	DEEP_S	6.6-6.6 Ft	6/17/2013	240-25811-1	WATER	REG	W-SW					0.0024		0.0007		0.00011									
OL-1910-03	DEEP_S	6.6-6.6 Ft	6/17/2013	240-25811-1	WATER	FD	W-SW					0.0026				0.00012									
OL-1910-04	DEEP_S	39.6-39.6 Ft	6/17/2013	240-25811-1	WATER	REG	W-SW					0.0015				5.00E-05	U								
OL-1910-05	DEEP_S	59.4-59.4 Ft	6/17/2013	240-25811-1	WATER	REG	W-SW					0.0021				5.30E-05	U								
OL-1912-01	FIELD QC	NA	6/19/2013	240-25936-1	Water	FB	BLKWATER					0.0003	J	0.0005	U	5.00E-05	U								
OL-1912-02	FIELD QC	NA	6/19/2013	240-25936-1	Water	EB	W-SW					0.00027	J	0.0005	U	5.00E-05	U								
OL-1912-03	FIELD QC	NA	6/19/2013	240-25936-1	Water	EB	W-SW					0.00016	U	0.0005	U	5.00E-05	U								
OL-1913-01	FIELD QC	NA	6/24/2013	UFI CHM 2013-022	Water	FB	BLKWATER	0.2	J	22	U							0.013	U	0.043	U	0.048	U	0.0014	U
OL-1913-02	DEEP_S	6.6-6.6 ft	6/24/2013	UFI CHM 2013-022	Water	REG	W-SW	130.8										0.028		0.017	J	2.635			
OL-1913-03	DEEP_S	6.6-6.6 ft	6/24/2013	UFI CHM 2013-022	Water	FD	W-SW	129.5										0.028		0.02	J	2.64			
OL-1913-04	DEEP_S	39.6-39.6 ft	6/24/2013	UFI CHM 2013-022	Water	REG	W-SW	144.3		22	U							0.062		0.214		2.875		0.0014	U
OL-1913-05	DEEP_S	59.4-59.4 ft	6/24/2013	UFI CHM 2013-022	Water	REG	W-SW	158.9										0.125		0.539	J	2.318		0.0004	J
OL-1913-06	DEEP_S	59.4-59.4 ft	6/24/2013	UFI CHM 2013-022	Water	REG	W-SW			22	U														
OL-1913-07	DEEP_S	59.4-59.4 ft	6/24/2013	UFI CHM 2013-022	Water	FD	W-SW			22	U														
OL-1915-01	FIELD QC	NA	6/24/2013	240-26112-1	WATER	FB	BLKWATER					0.00016	U			8.50E-05									
OL-1915-02	DEEP_S	6.6-6.6 Ft	6/24/2013	240-26112-1	WATER	REG	W-SW					0.0016		0.00085		8.80E-05	U								
OL-1915-03	DEEP_S	6.6-6.6 Ft	6/24/2013	240-26112-1	WATER	FD	W-SW					0.0015				7.80E-05	U								
OL-1915-04	DEEP_S	39.6-39.6 Ft	6/24/2013	240-26112-1	WATER	REG	W-SW					0.00092				5.00E-05	U								
OL-1915-05	DEEP_S	59.4-59.4 Ft	6/24/2013	240-26112-1	WATER	REG	W-SW					0.0015				5.00E-05	U								
OL-1916-01	FIELD QC	NA	7/1/2013	UFI CHM 2013-024	Water	FB	BLKWATER	0.6	J	22	U							0.013	U	0.043	U	0.048	U	0.0014	U
OL-1916-02	DEEP_S	6.6-6.6 ft	7/1/2013	UFI CHM 2013-024	Water	REG	W-SW	141.8										0.031		0.027	J	2.267			
OL-1916-03	DEEP_S	6.6-6.6 ft	7/1/2013	UFI CHM 2013-024	Water	FD	W-SW	144.5										0.031		0.029	J	2.313			
OL-1916-04	DEEP_S	39.6-39.6 ft	7/1/2013	UFI CHM 2013-024	Water	REG	W-SW	158.1		22	U							0.086		0.185		2.549		0.0021	
OL-1916-05	DEEP_S	52.8-52.8 ft	7/1/2013	UFI CHM 2013-024	Water	REG	W-SW	145.1		22	U							0.13		0.364		2.165		0.0021	
OL-1916-06	DEEP_S	59.4-59.4 ft	7/1/2013	UFI CHM 2013-024	Water	REG	W-SW	154.7										0.129		0.473		2.053		0.0013	J
OL-1916-07	DEEP_S	59.4-59.4 ft	7/1/2013	UFI CHM 2013-024	Water	REG	W-SW			22	U														
OL-1916-08	DEEP_S	59.4-59.4 ft	7/1/2013	UFI CHM 2013-024	Water	FD	W-SW			22	U														
OL-1918-01	FIELD QC	NA	7/1/2013	240-26386-1	Water	FB	BLKWATER					0.00016	U			1.30E-05	J								
OL-1918-02	DEEP_S	6.6-6.6 ft	7/1/2013	240-26386-1	Water	REG	W-SW					0.0018		0.00089		6.10E-05									
OL-1918-03	DEEP_S	6.6-6.6 ft	7/1/2013	240-26386-1	Water	FD	W-SW					0.0017				8.00E-05									
OL-1918-04	DEEP_S	39.6-39.6 ft	7/1/2013	240-26386-1	Water	REG	W-SW					0.0017				5.00E-05	U								
OL-1918-05	DEEP_S	52.8-52.8 ft	7/1/2013	240-26386-1	Water	REG	W-SW					0.002				5.00E-05	U								
OL-1918-06	DEEP_S	59.4-59.4 ft	7/1/2013	240-26386-1	Water	REG	W-SW					0.0017				5.00E-05	U								
OL-1920-01	FIELD QC	NA	7/8/2013	UFI CHM 2013-026	Water	FB	BLKWATER	0.6	U	22	U							0.013	U	0.043	U	0.048	U		

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1920-02	DEEP_S	6.6-6.6 ft	7/8/2013	UFI CHM 2013-026	Water	REG	W-SW	126										0.031		0.034	J	1.994			
OL-1920-03	DEEP_S	6.6-6.6 ft	7/8/2013	UFI CHM 2013-026	Water	FD	W-SW	125										0.033		0.034	J	1.978			
OL-1920-04	DEEP_S	39.6-39.6 ft	7/8/2013	UFI CHM 2013-026	Water	REG	W-SW	185		22	U							0.182		0.016	J	2.647			
OL-1920-05	DEEP_S	52.8-52.8 ft	7/8/2013	UFI CHM 2013-026	Water	REG	W-SW	178		22	U							0.149		0.266		2.291			
OL-1920-06	DEEP_S	59.4-59.4 ft	7/8/2013	UFI CHM 2013-026	Water	REG	W-SW	183										0.127		0.606		1.811			
OL-1920-07	DEEP_S	59.4-59.4 ft	7/8/2013	UFI CHM 2013-026	Water	REG	W-SW			22	U														
OL-1920-08	DEEP_S	59.4-59.4 ft	7/8/2013	UFI CHM 2013-026	Water	FD	W-SW			22	U														
OL-1922-01	FIELD QC	NA	7/8/2013	240-26580-1	Water	FB	BLKWATER					0.00016	U			1.30E-05	U								
OL-1922-02	DEEP_S	6.6-6.6 ft	7/8/2013	240-26580-1	Water	REG	W-SW					0.0019		0.00063		8.60E-05									
OL-1922-03	DEEP_S	6.6-6.6 ft	7/8/2013	240-26580-1	Water	FD	W-SW					0.0015				0.00011									
OL-1922-04	DEEP_S	39.6-39.6 ft	7/8/2013	240-26580-1	Water	REG	W-SW					0.0013				5.20E-05									
OL-1922-05	DEEP_S	52.8-52.8 ft	7/8/2013	240-26580-1	Water	REG	W-SW					0.0013				5.00E-05	U								
OL-1922-06	DEEP_S	59.4-59.4 ft	7/8/2013	240-26580-1	Water	REG	W-SW					0.0015				7.10E-05									
OL-1923-01	FIELD QC	NA	7/15/2013	UFI CHM 2013-028	Water	FB	BLKWATER	0.6	J	22	U							0.013	U	0.043	U	0.048	U	0.0014	U
OL-1923-02	DEEP_S	6.6-6.6 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW	167										0.032		0.041	J	2.242			
OL-1923-03	DEEP_S	6.6-6.6 ft	7/15/2013	UFI CHM 2013-028	Water	FD	W-SW	170										0.032		0.037	J	2.21			
OL-1923-04	DEEP_S	39.6-39.6 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW	173		22	U							0.013	U	0.011	J	2.916		0.0019	J
OL-1923-05	DEEP_S	52.8-52.8 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW	180		22	U							0.134		0.372		2.297			
OL-1923-06	DEEP_S	52.8-52.8 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW																	0.0028	J
OL-1923-07	DEEP_S	52.8-52.8 ft	7/15/2013	UFI CHM 2013-028	Water	FD	W-SW																	0.0028	J
OL-1923-08	DEEP_S	59.4-59.4 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW	173										0.114		0.704		2.583		0.0012	J
OL-1923-09	DEEP_S	59.4-59.4 ft	7/15/2013	UFI CHM 2013-028	Water	REG	W-SW			22	U														
OL-1923-10	DEEP_S	59.4-59.4 ft	7/15/2013	UFI CHM 2013-028	Water	FD	W-SW			22	U														
OL-1925-01	FIELD QC	NA	7/15/2013	240-26897-1	Water	FB	BLKWATER					0.00018	J			1.30E-05	U								
OL-1925-02	DEEP_S	6.6-6.6 ft	7/15/2013	240-26897-1	Water	REG	W-SW					0.003		0.001		0.00013									
OL-1925-03	DEEP_S	6.6-6.6 ft	7/15/2013	240-26897-1	Water	FD	W-SW					0.0029				0.00012									
OL-1925-04	DEEP_S	39.6-39.6 ft	7/15/2013	240-26897-1	Water	REG	W-SW					0.0016				5.80E-05									
OL-1925-05	DEEP_S	52.8-52.8 ft	7/15/2013	240-26897-1	Water	REG	W-SW					0.0015				5.40E-05									
OL-1925-06	DEEP_S	59.4-59.4 ft	7/15/2013	240-26897-1	Water	REG	W-SW					0.0019				0.00013									
OL-1927-01	FIELD QC	NA	7/22/2013	UFI CHM 2013-031	Water	FB	BLKWATER	0.6	J	22	U							0.013	U	0.043	U	0.048	U		
OL-1927-02	DEEP_S	6.6-6.6 ft	7/22/2013	UFI CHM 2013-031	Water	REG	W-SW	181										0.036		0.043	U	2.227			
OL-1927-03	DEEP_S	6.6-6.6 ft	7/22/2013	UFI CHM 2013-031	Water	FD	W-SW	133										0.036		0.043	U	2.229			
OL-1927-04	DEEP_S	39.6-39.6 ft	7/22/2013	UFI CHM 2013-031	Water	REG	W-SW	169		22	U							0.045		0.091	U	2.505			
OL-1927-05	DEEP_S	52.8-52.8 ft	7/22/2013	UFI CHM 2013-031	Water	REG	W-SW	184		22	U							0.125		0.564		2.1			
OL-1927-06	DEEP_S	59.4-59.4 ft	7/22/2013	UFI CHM 2013-031	Water	REG	W-SW	169										0.098		1.025		2.253			
OL-1927-07	DEEP_S	59.4-59.4 ft	7/22/2013	UFI CHM 2013-031	Water	REG	W-SW			22	U														
OL-1927-08	DEEP_S	59.4-59.4 ft	7/22/2013	UFI CHM 2013-031	Water	FD	W-SW			22	U														
OL-1929-01	FIELD QC	NA	7/22/2013	240-27133-1	Water	FB	BLKWATER					0.00016	UJ			1.30E-05	U								
OL-1929-02	DEEP_S	6.6-6.6 ft	7/22/2013	240-27133-1	Water	REG	W-SW					0.0024	J			0.00013									
OL-1929-03	DEEP_S	6.6-6.6 ft	7/22/2013	240-27133-1	Water	FD	W-SW					0.0012	J			0.00012									
OL-1929-04	DEEP_S	39.6-39.6 ft	7/22/2013	240-27133-1	Water	REG	W-SW					0.00066	J			6.10E-05	U								
OL-1929-05	DEEP_S	52.8-52.8 ft	7/22/2013	240-27133-1	Water	REG	W-SW					0.00075	J			7.70E-05									
OL-1929-06	DEEP_S	59.4-59.4 ft	7/22/2013	240-27133-1	Water	REG	W-SW					0.00095	J			0.00011									
OL-1930-01	FIELD QC	NA	7/29/2013	UFI CHM 2013-032	Water	FB	BLKWATER	0.6	J	22	U							0.013	U	0.043	U	0.048	J	0.0014	U
OL-1930-02	DEEP_S	6.6-6.6 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW	125										0.046		0.035	J	2.309			
OL-1930-03	DEEP_S	6.6-6.6 ft	7/29/2013	UFI CHM 2013-032	Water	FD	W-SW	131										0.046		0.036	J	2.361			
OL-1930-04	DEEP_S	39.6-39.6 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW	75		22	U							0.054		0.092		2.496		0.0007	J
OL-1930-05	DEEP_S	52.8-52.8 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW	138		22	U							0.125		0.481		2.1			
OL-1930-06	DEEP_S	52.8-52.8 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW																	0.0021	
OL-1930-07	DEEP_S	52.8-52.8 ft	7/29/2013	UFI CHM 2013-032	Water	FD	W-SW																	0.0019	

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1930-08	DEEP_S	59.4-59.4 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW	165										0.117		0.81		2.213		0.0021	
OL-1930-09	DEEP_S	59.4-59.4 ft	7/29/2013	UFI CHM 2013-032	Water	REG	W-SW			22	U														
OL-1930-10	DEEP_S	59.4-59.4 ft	7/29/2013	UFI CHM 2013-032	Water	FD	W-SW			22	U														
OL-1932-01	FIELD QC	NA	7/29/2013	240-27350-1	Water	FB	BLKWATER					0.00016	U			1.30E-05	U								
OL-1932-02	DEEP_S	6.6-6.6 ft	7/29/2013	240-27350-1	Water	REG	W-SW					0.0025		0.002		0.00012									
OL-1932-03	DEEP_S	6.6-6.6 ft	7/29/2013	240-27350-1	Water	FD	W-SW					0.0021				0.00012									
OL-1932-04	DEEP_S	39.6-39.6 ft	7/29/2013	240-27350-1	Water	REG	W-SW					0.0012				7.10E-05	U								
OL-1932-05	DEEP_S	52.8-52.8 ft	7/29/2013	240-27350-1	Water	REG	W-SW					0.0014				8.60E-05									
OL-1932-06	DEEP_S	59.4-59.4 ft	7/29/2013	240-27350-1	Water	REG	W-SW					0.0014				0.0001									
OL-1934-01	FIELD QC	NA	8/5/2013	UFI CHM 2013-034	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U		
OL-1934-02	DEEP_S	6.6-6.6 ft	8/5/2013	UFI CHM 2013-034	Water	REG	W-SW											0.053		0.043	U	2.432			
OL-1934-03	DEEP_S	6.6-6.6 ft	8/5/2013	UFI CHM 2013-034	Water	FD	W-SW											0.054		0.043	U	2.432			
OL-1934-04	DEEP_S	39.6-39.6 ft	8/5/2013	UFI CHM 2013-034	Water	REG	W-SW			22	U							0.085		0.144		2.417			
OL-1934-05	DEEP_S	52.8-52.8 ft	8/5/2013	UFI CHM 2013-034	Water	REG	W-SW			22	U							0.118		0.421		2.179			
OL-1934-07	DEEP_S	59.4-59.4 ft	8/5/2013	UFI CHM 2013-034	Water	REG	W-SW			22	U							0.117		0.601		2.142			
OL-1934-08	DEEP_S	59.4-59.4 ft	8/5/2013	UFI CHM 2013-034	Water	FD	W-SW			22	U														
OL-1936-01	FIELD QC	NA	8/5/2013	240-27587-1	Water	FB	BLKWATER					0.00018	J			0.000019	J								
OL-1936-02	DEEP_S	6.6-6.6 ft	8/5/2013	240-27587-1	Water	REG	W-SW					0.0026	J			0.0001									
OL-1936-03	DEEP_S	6.6-6.6 ft	8/5/2013	240-27587-1	Water	FD	W-SW					0.002	J			0.00011									
OL-1936-04	DEEP_S	39.6-39.6 ft	8/5/2013	240-27587-1	Water	REG	W-SW					0.0005	UJ			0.000077	U								
OL-1936-05	DEEP_S	52.8-52.8 ft	8/5/2013	240-27587-1	Water	REG	W-SW					0.0012	J			0.00011									
OL-1936-06	DEEP_S	59.4-59.4 ft	8/5/2013	240-27587-1	Water	REG	W-SW					0.00051	UJ			0.000071	U								
OL-1937-01	FIELD QC	NA	8/12/2013	UFI CHM 2013-035	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.038	J	0.0014	U
OL-1937-02	DEEP_S	6.6-6.6 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW											0.054		0.012	J	2.428			
OL-1937-03	DEEP_S	6.6-6.6 ft	8/12/2013	UFI CHM 2013-035	Water	FD	W-SW											0.054		0.014	J	2.426			
OL-1937-04	DEEP_S	39.6-39.6 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW			22	U							0.074		0.147		2.257		0.0008	J
OL-1937-05	DEEP_S	52.8-52.8 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW			22	U							0.098		0.465		2.011			
OL-1937-06	DEEP_S	52.8-52.8 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW																	0.0019	
OL-1937-07	DEEP_S	52.8-52.8 ft	8/12/2013	UFI CHM 2013-035	Water	FD	W-SW																	0.002	
OL-1937-08	DEEP_S	59.4-59.4 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW											0.081		0.779		1.98		0.0039	
OL-1937-09	DEEP_S	59.4-59.4 ft	8/12/2013	UFI CHM 2013-035	Water	REG	W-SW			22	U														
OL-1937-10	DEEP_S	59.4-59.4 ft	8/12/2013	UFI CHM 2013-035	Water	FD	W-SW			22	U														
OL-1939-01	FIELD QC	NA	8/12/2013	240-27880-1	Water	FB	BLKWATER					0.00016	U			0.000013	U								
OL-1939-02	DEEP_S	6.6-6.6 ft	8/12/2013	240-27880-1	Water	REG	W-SW					0.0021		0.00052		0.000079									
OL-1939-03	DEEP_S	6.6-6.6 ft	8/12/2013	240-27880-1	Water	FD	W-SW					0.0023				0.000081									
OL-1939-04	DEEP_S	39.6-39.6 ft	8/12/2013	240-27880-1	Water	REG	W-SW					0.0015				0.000084									
OL-1939-05	DEEP_S	52.8-52.8 ft	8/12/2013	240-27880-1	Water	REG	W-SW					0.002				0.000098									
OL-1939-06	DEEP_S	59.4-59.4 ft	8/12/2013	240-27880-1	Water	REG	W-SW					0.0027				0.00011									
OL-1942-01	Field QC	NA	8/14/2013	240-27984-1	WATER	FB	BLKWATER					0.00016	U	0.00016	U	0.000025	J								
OL-1942-02	Field QC	NA	8/14/2013	240-27984-1	WATER	EB	W-SW					0.00019	J	0.00031	J	0.000013	U								
OL-1942-03	Field QC	NA	8/14/2013	240-27984-1	WATER	EB	W-SW					0.00016	J	0.00034	J	0.000023	J								
OL-1943-01	FIELD QC	NA	8/19/2013	UFI CHM 2013-037	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048			
OL-1943-02	DEEP_S	6.6-6.6 ft	8/19/2013	UFI CHM 2013-037	Water	REG	W-SW											0.054		0.043	U	2.55			
OL-1943-03	DEEP_S	6.6-6.6 ft	8/19/2013	UFI CHM 2013-037	Water	FD	W-SW											0.054		0.043	U	2.682			
OL-1943-04	DEEP_S	39.6-39.6 ft	8/19/2013	UFI CHM 2013-037	Water	REG	W-SW			22	U							0.037		0.241		2.083			
OL-1943-05	DEEP_S	52.8-52.8 ft	8/19/2013	UFI CHM 2013-037	Water	REG	W-SW			22	U							0.059		0.663		1.863			
OL-1943-07	DEEP_S	59.4-59.4 ft	8/19/2013	UFI CHM 2013-037	Water	REG	W-SW			22	U							0.028		1.078		1.581			
OL-1943-08	DEEP_S	59.4-59.4 ft	8/19/2013	UFI CHM 2013-037	Water	FD	W-SW			22	U														
OL-1945-01	FIELD QC	NA	8/19/2013	240-28131-1	Water	FB	BLKWATER					0.00021	J			0.000013	U								
OL-1945-02	DEEP_S	6.6-6.6 ft	8/19/2013	240-28131-1	Water	REG	W-SW					0.002				0.000085									

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1945-03	DEEP_S	6.6-6.6 ft	8/19/2013	240-28131-1	Water	FD	W-SW					0.0021				0.000079									
OL-1945-04	DEEP_S	39.6-39.6 ft	8/19/2013	240-28131-1	Water	REG	W-SW					0.0014				0.000067	U								
OL-1945-05	DEEP_S	52.8-52.8 ft	8/19/2013	240-28131-1	Water	REG	W-SW					0.0023				0.000073	U								
OL-1945-06	DEEP_S	59.4-59.4 ft	8/19/2013	240-28131-1	Water	REG	W-SW					0.0039				0.00011									
OL-1946-01	FIELD QC	NA	8/26/2013	UFI CHM 2013-041	Water	FB	BLKWATER			22	U							0.013	U	0.011	J	0.014	J	0.0014	U
OL-1946-02	DEEP_S	6.6-6.6 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW											0.049		0.043	U	2.432			
OL-1946-03	DEEP_S	6.6-6.6 ft	8/26/2013	UFI CHM 2013-041	Water	FD	W-SW											0.051		0.043	U	2.472			
OL-1946-04	DEEP_S	39.6-39.6 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.013	U	0.295		1.923		0.0005	J
OL-1946-05	DEEP_S	52.8-52.8 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.01	J	0.601		1.637			
OL-1946-06	DEEP_S	52.8-52.8 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW																	0.0014	U
OL-1946-07	DEEP_S	52.8-52.8 ft	8/26/2013	UFI CHM 2013-041	Water	FD	W-SW																	0.0014	U
OL-1946-08	DEEP_S	59.4-59.4 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW											0.02		1.226		2.59		0.0014	
OL-1946-09	DEEP_S	59.4-59.4 ft	8/26/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U														
OL-1946-10	DEEP_S	59.4-59.4 ft	8/26/2013	UFI CHM 2013-041	Water	FD	W-SW			22	U														
OL-1948-01	FIELD QC	NA	8/26/2013	240-28385-1	Water	FB	BLKWATER					0.00016	U			0.00005	UJ								
OL-1948-02	DEEP_S	6.6-6.6 ft	8/26/2013	240-28385-1	Water	REG	W-SW					0.0013		0.00053		0.000086	UJ								
OL-1948-03	DEEP_S	6.6-6.6 ft	8/26/2013	240-28385-1	Water	FD	W-SW					0.0012				0.0001	UJ								
OL-1948-04	DEEP_S	39.6-39.6 ft	8/26/2013	240-28385-1	Water	REG	W-SW					0.0011				0.000098	UJ								
OL-1948-05	DEEP_S	52.8-52.8 ft	8/26/2013	240-28385-1	Water	REG	W-SW					0.0012				0.000098	UJ								
OL-1948-06	DEEP_S	59.4-59.4 ft	8/26/2013	240-28385-1	Water	REG	W-SW					0.0027				0.00011	UJ								
OL-1950-01	FIELD QC	NA	9/5/2013	UFI CHM 2013-041	Water	FB	BLKWATER			22	U							0.013	UJ	0.043	U	0.048	UJ		
OL-1950-02	DEEP_S	6.6-6.6 ft	9/5/2013	UFI CHM 2013-041	Water	REG	W-SW											0.044	J	0.043	U	2.777	J		
OL-1950-03	DEEP_S	6.6-6.6 ft	9/5/2013	UFI CHM 2013-041	Water	FD	W-SW											0.044	J	0.043	U	2.776	J		
OL-1950-04	DEEP_S	39.6-39.6 ft	9/5/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.004	J	0.193		1.83	J		
OL-1950-05	DEEP_S	46.2-46.2 ft	9/5/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.006	J	0.672		1.681	J		
OL-1950-06	DEEP_S	52.8-52.8 ft	9/5/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.013	J	0.884		1.738	J		
OL-1950-08	DEEP_S	59.4-59.4 ft	9/5/2013	UFI CHM 2013-041	Water	REG	W-SW			22	U							0.01	J	1.833	U	3.821	J		
OL-1950-09	DEEP_S	59.4-59.4 ft	9/5/2013	UFI CHM 2013-041	Water	FD	W-SW			22	U														
OL-1952-01	FIELD QC	NA	9/5/2013	240-28750-1	WATER	FB	BLKWATER					0.00016	U			0.000017	J								
OL-1952-02	DEEP_S	6.6-6.6 Ft	9/5/2013	240-28750-1	WATER	REG	W-SW					0.0035				0.00012									
OL-1952-03	DEEP_S	6.6-6.6 Ft	9/5/2013	240-28750-1	WATER	FD	W-SW					0.0034				0.00012									
OL-1952-04	DEEP_S	39.6-39.6 Ft	9/5/2013	240-28750-1	WATER	REG	W-SW					0.00089				0.00012									
OL-1952-05	DEEP_S	46.2-46.2 Ft	9/5/2013	240-28750-1	WATER	REG	W-SW					0.0013				0.00013									
OL-1952-06	DEEP_S	52.8-52.8 Ft	9/5/2013	240-28750-1	WATER	REG	W-SW					0.0016				0.00013									
OL-1952-07	DEEP_S	59.4-59.4 Ft	9/5/2013	240-28750-1	WATER	REG	W-SW					0.0043				0.00015									
OL-1954-01	FIELD QC	NA	9/9/2013	UFI CHM 2013-044	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U	0.0005	J
OL-1954-02	DEEP_S	6.6-6.6 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW											0.041		0.043	U	2.479			
OL-1954-03	DEEP_S	6.6-6.6 ft	9/9/2013	UFI CHM 2013-044	Water	FD	W-SW											0.04		0.043	U	2.408			
OL-1954-04	DEEP_S	39.6-39.6 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW			22	U							0.013	U	0.428		1.584		0.0012	J
OL-1954-05	DEEP_S	46.2-46.2 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW			22	U							0.013	U	0.619		1.612		0.0015	
OL-1954-06	DEEP_S	52.8-52.8 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW			22	U							0.003	J	0.811		1.539			
OL-1954-07	DEEP_S	52.8-52.8 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW																	0.0026	
OL-1954-08	DEEP_S	52.8-52.8 ft	9/9/2013	UFI CHM 2013-044	Water	FD	W-SW																	0.0019	
OL-1954-09	DEEP_S	59.4-59.4 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW																	0.0018	
OL-1954-10	DEEP_S	59.4-59.4 ft	9/9/2013	UFI CHM 2013-044	Water	REG	W-SW			22	U							0.006	J	1.216		1.588			
OL-1954-11	DEEP_S	59.4-59.4 ft	9/9/2013	UFI CHM 2013-044	Water	FD	W-SW			22	U														
OL-1956-01	FIELD QC	NA	9/9/2013	240-28818-1	Water	FB	BLKWATER					0.00016	U			0.00005	U								
OL-1956-02	DEEP_S	6.6-6.6 ft	9/9/2013	240-28818-1	Water	REG	W-SW					0.0026		0.00068		0.00011	U								
OL-1956-03	DEEP_S	6.6-6.6 ft	9/9/2013	240-28818-1	Water	FD	W-SW					0.0023				0.00011	U								
OL-1956-04	DEEP_S	39.6-39.6 ft	9/9/2013	240-28818-1	Water	REG	W-SW					0.00098				0.00012	U								

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																	
OL-1956-05	DEEP_S	46.2-46.2 ft	9/9/2013	240-28818-1	Water	REG	W-SW					0.0013		0.00026	J	0.00013	U							
OL-1956-06	DEEP_S	52.8-52.8 ft	9/9/2013	240-28818-1	Water	REG	W-SW					0.0017				0.00013	U							
OL-1956-07	DEEP_S	59.4-59.4 ft	9/9/2013	240-28818-1	Water	REG	W-SW					0.0031				0.00013	U							
OL-1958-01	FIELD QC	NA	9/9/2013	180-24931-1	Water	FB	BLKWATER	10	U															
OL-1958-02	DEEP_S	6.6-6.6 ft	9/9/2013	180-24931-1	Water	REG	W-SW	130																
OL-1958-03	DEEP_S	6.6-6.6 ft	9/9/2013	180-24931-1	Water	FD	W-SW	120																
OL-1958-04	DEEP_S	39.6-39.6 ft	9/9/2013	180-24931-1	Water	REG	W-SW	140																
OL-1958-05	DEEP_S	46.2-46.2 ft	9/9/2013	180-24931-1	Water	REG	W-SW	140																
OL-1958-06	DEEP_S	52.8-52.8 ft	9/9/2013	180-24931-1	Water	REG	W-SW	140																
OL-1958-07	DEEP_S	59.4-59.4 ft	9/9/2013	180-24931-1	Water	REG	W-SW	140																
OL-1959-01	FIELD QC	NA	8/5/2013	180-24931-2	Water	FB	BLKWATER	0.019	U															
OL-1959-02	DEEP_S	6.6-6.6 ft	8/5/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-03	DEEP_S	6.6-6.6 ft	8/5/2013	180-24931-2	Water	FD	W-SW	120																
OL-1959-04	DEEP_S	39.6-39.6 ft	8/5/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-05	DEEP_S	52.8-52.8 ft	8/5/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-06	DEEP_S	59.4-59.4 ft	8/5/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-07	FIELD QC	NA	8/12/2013	180-24931-2	Water	FB	BLKWATER	10	U															
OL-1959-08	DEEP_S	6.6-6.6 ft	8/12/2013	180-24931-2	Water	REG	W-SW	120																
OL-1959-09	DEEP_S	6.6-6.6 ft	8/12/2013	180-24931-2	Water	FD	W-SW	130																
OL-1959-10	DEEP_S	39.6-39.6 ft	8/12/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-11	DEEP_S	52.8-52.8 ft	8/12/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-12	DEEP_S	59.4-59.4 ft	8/12/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-13	FIELD QC	NA	8/19/2013	180-24931-2	Water	FB	BLKWATER	0.019	U															
OL-1959-14	DEEP_S	6.6-6.6 ft	8/19/2013	180-24931-2	Water	REG	W-SW	130																
OL-1959-15	DEEP_S	6.6-6.6 ft	8/19/2013	180-24931-2	Water	FD	W-SW	130																
OL-1959-16	DEEP_S	39.6-39.6 ft	8/19/2013	180-24931-2	Water	REG	W-SW	150																
OL-1959-17	DEEP_S	52.8-52.8 ft	8/19/2013	180-24931-2	Water	REG	W-SW	140																
OL-1959-18	DEEP_S	59.4-59.4 ft	8/19/2013	180-24931-2	Water	REG	W-SW	140																
OL-1960-01	FIELD QC	NA	8/26/2013	180-24931-3	Water	FB	BLKWATER	0.051	J															
OL-1960-02	DEEP_S	6.6-6.6 ft	8/26/2013	180-24931-3	Water	REG	W-SW	130																
OL-1960-03	DEEP_S	6.6-6.6 ft	8/26/2013	180-24931-3	Water	FD	W-SW	120																
OL-1960-04	DEEP_S	39.6-39.6 ft	8/26/2013	180-24931-3	Water	REG	W-SW	140																
OL-1960-05	DEEP_S	52.8-52.8 ft	8/26/2013	180-24931-3	Water	REG	W-SW	140																
OL-1960-06	DEEP_S	59.4-59.4 ft	8/26/2013	180-24931-3	Water	REG	W-SW	150																
OL-1960-07	FIELD QC	NA	9/5/2013	180-24931-3	Water	FB	BLKWATER	0.019	U															
OL-1960-08	DEEP_S	6.6-6.6 ft	9/5/2013	180-24931-3	Water	REG	W-SW	130																
OL-1960-09	DEEP_S	6.6-6.6 ft	9/5/2013	180-24931-3	Water	FD	W-SW	120																
OL-1960-10	DEEP_S	39.6-39.6 ft	9/5/2013	180-24931-3	Water	REG	W-SW	140																
OL-1960-11	DEEP_S	46.2-46.2 ft	9/5/2013	180-24931-3	Water	REG	W-SW	150																
OL-1960-12	DEEP_S	52.8-52.8 ft	9/5/2013	180-24931-3	Water	REG	W-SW	140																
OL-1960-13	DEEP_S	59.4-59.4 ft	9/5/2013	180-24931-3	Water	REG	W-SW	150																
OL-1961-01	FIELD QC	NA	9/16/2013	UFI CHM 2013-045	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U	
OL-1961-02	DEEP_S	6.6-6.6 ft	9/16/2013	UFI CHM 2013-045	Water	REG	W-SW											0.041		0.043	U	2.367		
OL-1961-03	DEEP_S	6.6-6.6 ft	9/16/2013	UFI CHM 2013-045	Water	FD	W-SW											0.042		0.043	U	2.363		
OL-1961-04	DEEP_S	39.6-39.6 ft	9/16/2013	UFI CHM 2013-045	Water	REG	W-SW			22	U							0.013	U	0.512		1.501		
OL-1961-05	DEEP_S	46.2-46.2 ft	9/16/2013	UFI CHM 2013-045	Water	REG	W-SW			22	U							0.013	U	0.652		1.475		
OL-1961-06	DEEP_S	52.8-52.8 ft	9/16/2013	UFI CHM 2013-045	Water	REG	W-SW			22	U							0.013	U	0.913		1.641		
OL-1961-08	DEEP_S	59.4-59.4 ft	9/16/2013	UFI CHM 2013-045	Water	REG	W-SW			22	U							0.004	J	1.596		2.639		
OL-1961-09	DEEP_S	59.4-59.4 ft	9/16/2013	UFI CHM 2013-045	Water	FD	W-SW			22	U													
OL-1963-01	FIELD QC	NA	9/16/2013	240-29082-1	Water	FB	BLKWATER					0.00016	U			0.000014	J							

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1963-02	DEEP_S	6.6-6.6 ft	9/16/2013	240-29082-1	Water	REG	W-SW					0.003				0.000098									
OL-1963-03	DEEP_S	6.6-6.6 ft	9/16/2013	240-29082-1	Water	FD	W-SW					0.003				0.000097									
OL-1963-04	DEEP_S	39.6-39.6 ft	9/16/2013	240-29082-1	Water	REG	W-SW					0.0016				0.00013									
OL-1963-05	DEEP_S	46.2-46.2 ft	9/16/2013	240-29082-1	Water	REG	W-SW					0.0014				0.00014									
OL-1963-06	DEEP_S	52.8-52.8 ft	9/16/2013	240-29082-1	Water	REG	W-SW					0.0019				0.00011									
OL-1963-07	DEEP_S	59.4-59.4 ft	9/16/2013	240-29082-1	Water	REG	W-SW					0.0036				0.00014									
OL-1965-01	FIELD QC	NA	9/16/2013	180-25201-1	Water	FB	BLKWATER	5	U																
OL-1965-02	DEEP_S	6.6-6.6 ft	9/16/2013	180-25201-1	Water	REG	W-SW	130																	
OL-1965-03	DEEP_S	6.6-6.6 ft	9/16/2013	180-25201-1	Water	FD	W-SW	130																	
OL-1965-04	DEEP_S	39.6-39.6 ft	9/16/2013	180-25201-1	Water	REG	W-SW	140																	
OL-1965-05	DEEP_S	46.2-46.2 ft	9/16/2013	180-25201-1	Water	REG	W-SW	150																	
OL-1965-06	DEEP_S	52.8-52.8 ft	9/16/2013	180-25201-1	Water	REG	W-SW	140																	
OL-1965-07	DEEP_S	59.4-59.4 ft	9/16/2013	180-25201-1	Water	REG	W-SW	140																	
OL-1966-01	FIELD QC	NA	9/23/2013	UFI CHM 2013-048	Water	FB	BLKWATER			22	U							0.003	J	0.043	U	0.048	U	0.0014	U
OL-1966-02	DEEP_S	6.6-6.6 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW											0.04		0.068	U	2.736			
OL-1966-03	DEEP_S	6.6-6.6 ft	9/23/2013	UFI CHM 2013-048	Water	FD	W-SW											0.043		0.07	U	2.729			
OL-1966-04	DEEP_S	39.6-39.6 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW			22	U							0.008	J	0.335		1.613		0.001	J
OL-1966-05	DEEP_S	46.2-46.2 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW			22	U							0.005	J	0.682		1.651		0.0008	J
OL-1966-06	DEEP_S	52.8-52.8 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW			22	U							0.005	J	0.788		1.704			
OL-1966-07	DEEP_S	52.8-52.8 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW																	0.0012	J
OL-1966-08	DEEP_S	52.8-52.8 ft	9/23/2013	UFI CHM 2013-048	Water	FD	W-SW																	0.0012	J
OL-1966-09	DEEP_S	59.4-59.4 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW																	0.0016	
OL-1966-10	DEEP_S	59.4-59.4 ft	9/23/2013	UFI CHM 2013-048	Water	REG	W-SW			22	U							0.006	J	1.126		1.878			
OL-1966-11	DEEP_S	59.4-59.4 ft	9/23/2013	UFI CHM 2013-048	Water	FD	W-SW			22	U														
OL-1968-01	FIELD QC	NA	9/23/2013	240-29359-1	Water	FB	BLKWATER					0.00016	U			0.000014	J								
OL-1968-02	DEEP_S	6.6-6.6 ft	9/23/2013	240-29359-1	Water	REG	W-SW					0.003		0.00085		0.00011									
OL-1968-03	DEEP_S	6.6-6.6 ft	9/23/2013	240-29359-1	Water	FD	W-SW					0.0029				0.00012									
OL-1968-04	DEEP_S	39.6-39.6 ft	9/23/2013	240-29359-1	Water	REG	W-SW					0.0014				0.00015									
OL-1968-05	DEEP_S	46.2-46.2 ft	9/23/2013	240-29359-1	Water	REG	W-SW					0.0015		0.00021	J	0.00015									
OL-1968-06	DEEP_S	52.8-52.8 ft	9/23/2013	240-29359-1	Water	REG	W-SW					0.0016				0.00015									
OL-1968-07	DEEP_S	59.4-59.4 ft	9/23/2013	240-29359-1	Water	REG	W-SW					0.0053				0.00019									
OL-1970-01	FIELD QC	NA	9/23/2013	180-25402-1	Water	FB	BLKWATER	5	U																
OL-1970-02	DEEP_S	6.6-6.6 ft	9/23/2013	180-25402-1	Water	REG	W-SW	140																	
OL-1970-03	DEEP_S	6.6-6.6 ft	9/23/2013	180-25402-1	Water	FD	W-SW	140																	
OL-1970-04	DEEP_S	39.6-39.6 ft	9/23/2013	180-25402-1	Water	REG	W-SW	150																	
OL-1970-05	DEEP_S	46.2-46.2 ft	9/23/2013	180-25402-1	Water	REG	W-SW	140																	
OL-1970-06	DEEP_S	52.8-52.8 ft	9/23/2013	180-25402-1	Water	REG	W-SW	150																	
OL-1970-07	DEEP_S	59.4-59.4 ft	9/23/2013	180-25402-1	Water	REG	W-SW	150																	
OL-1971-01	FIELD QC	NA	9/30/2013	UFI CHM 2013-051	Water	FB	BLKWATER			22	U							0.003	J	0.043	U	0.048	U		
OL-1971-02	DEEP_S	6.6-6.6 ft	9/30/2013	UFI CHM 2013-051	Water	REG	W-SW											0.041		0.063	U	2.61			
OL-1971-03	DEEP_S	6.6-6.6 ft	9/30/2013	UFI CHM 2013-051	Water	FD	W-SW											0.04		0.065	U	2.557			
OL-1971-04	DEEP_S	39.6-39.6 ft	9/30/2013	UFI CHM 2013-051	Water	REG	W-SW			22	U							0.004	J	0.53		1.296			
OL-1971-05	DEEP_S	46.2-46.2 ft	9/30/2013	UFI CHM 2013-051	Water	REG	W-SW			22	U							0.006	J	0.858		1.713			
OL-1971-06	DEEP_S	52.8-52.8 ft	9/30/2013	UFI CHM 2013-051	Water	REG	W-SW			22	U							0.006	J	1.201		1.983			
OL-1971-08	DEEP_S	59.4-59.4 ft	9/30/2013	UFI CHM 2013-051	Water	REG	W-SW			22	U							0.013		1.894		3.071			
OL-1971-09	DEEP_S	59.4-59.4 ft	9/30/2013	UFI CHM 2013-051	Water	FD	W-SW			22	U														
OL-1973-01	FIELD QC	NA	9/30/2013	240-29656-1	Water	FB	BLKWATER					0.00016	U			0.000013	U								
OL-1973-02	DEEP_S	6.6-6.6 ft	9/30/2013	240-29656-1	Water	REG	W-SW					0.005				0.000074									
OL-1973-03	DEEP_S	6.6-6.6 ft	9/30/2013	240-29656-1	Water	FD	W-SW					0.005				0.0001									
OL-1973-04	DEEP_S	39.6-39.6 ft	9/30/2013	240-29656-1	Water	REG	W-SW					0.0029				0.00015									

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1973-05	DEEP_S	46.2-46.2 ft	9/30/2013	240-29656-1	Water	REG	W-SW					0.002				0.00012									
OL-1973-06	DEEP_S	52.8-52.8 ft	9/30/2013	240-29656-1	Water	REG	W-SW					0.0043				0.00014									
OL-1973-07	DEEP_S	59.4-59.4 ft	9/30/2013	240-29656-1	Water	REG	W-SW					0.011				0.0002									
OL-1975-01	FIELD QC	NA	9/30/2013	180-25613-1	Water	FB	BLKWATER	0.013	J																
OL-1975-02	DEEP_S	6.6-6.6 ft	9/30/2013	180-25613-1	Water	REG	W-SW	130																	
OL-1975-03	DEEP_S	6.6-6.6 ft	9/30/2013	180-25613-1	Water	FD	W-SW	130																	
OL-1975-04	DEEP_S	39.6-39.6 ft	9/30/2013	180-25613-1	Water	REG	W-SW	150																	
OL-1975-05	DEEP_S	46.2-46.2 ft	9/30/2013	180-25613-1	Water	REG	W-SW	150																	
OL-1975-06	DEEP_S	52.8-52.8 ft	9/30/2013	180-25613-1	Water	REG	W-SW	150																	
OL-1975-07	DEEP_S	59.4-59.4 ft	9/30/2013	180-25613-1	Water	REG	W-SW	150																	
OL-1976-01	FIELD QC	NA	10/8/2013	UFI CHM 2013-052	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U	0.0004	J
OL-1976-02	DEEP_S	6.6-6.6 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW											0.032		0.099		2.393			
OL-1976-03	DEEP_S	6.6-6.6 ft	10/8/2013	UFI CHM 2013-052	Water	FD	W-SW											0.032		0.101		2.384			
OL-1976-04	DEEP_S	39.6-39.6 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW			22	U							0.003	J	0.714		1.286		0.0014	U
OL-1976-05	DEEP_S	46.2-46.2 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW			22	U							0.013	U	0.858		1.369		0.0014	U
OL-1976-06	DEEP_S	52.8-52.8 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW			22	U							0.005	J	1.243		1.865			
OL-1976-07	DEEP_S	52.8-52.8 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW																	0.0014	U
OL-1976-08	DEEP_S	52.8-52.8 ft	10/8/2013	UFI CHM 2013-052	Water	FD	W-SW																	0.0014	U
OL-1976-09	DEEP_S	59.4-59.4 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW																	0.0014	U
OL-1976-10	DEEP_S	59.4-59.4 ft	10/8/2013	UFI CHM 2013-052	Water	REG	W-SW			22	U							0.005	J	1.553		1.951			
OL-1976-11	DEEP_S	59.4-59.4 ft	10/8/2013	UFI CHM 2013-052	Water	FD	W-SW			22	U														
OL-1978-01	FIELD QC	NA	10/8/2013	240-29989-1	Water	FB	BLKWATER					0.00016	U			0.000013	U								
OL-1978-02	DEEP_S	6.6-6.6 ft	10/8/2013	240-29989-1	Water	REG	W-SW					0.004		0.0016		0.00011									
OL-1978-03	DEEP_S	6.6-6.6 ft	10/8/2013	240-29989-1	Water	FD	W-SW					0.0037				0.00011									
OL-1978-04	DEEP_S	39.6-39.6 ft	10/8/2013	240-29989-1	Water	REG	W-SW					0.00084				0.00015									
OL-1978-05	DEEP_S	46.2-46.2 ft	10/8/2013	240-29989-1	Water	REG	W-SW					0.00073		0.00024	J	0.00015									
OL-1978-06	DEEP_S	52.8-52.8 ft	10/8/2013	240-29989-1	Water	REG	W-SW					0.0013				0.00015									
OL-1978-07	DEEP_S	59.4-59.4 ft	10/8/2013	240-29989-1	Water	REG	W-SW					0.0022				0.00014									
OL-1980-01	FIELD QC	NA	10/8/2013	180-25885-1	Water	FB	BLKWATER	5	U																
OL-1980-02	DEEP_S	6.6-6.6 ft	10/8/2013	180-25885-1	Water	REG	W-SW	140																	
OL-1980-03	DEEP_S	6.6-6.6 ft	10/8/2013	180-25885-1	Water	FD	W-SW	140																	
OL-1980-04	DEEP_S	39.6-39.6 ft	10/8/2013	180-25885-1	Water	REG	W-SW	150																	
OL-1980-05	DEEP_S	46.2-46.2 ft	10/8/2013	180-25885-1	Water	REG	W-SW	150																	
OL-1980-06	DEEP_S	52.8-52.8 ft	10/8/2013	180-25885-1	Water	REG	W-SW	150																	
OL-1980-07	DEEP_S	59.4-59.4 ft	10/8/2013	180-25885-1	Water	REG	W-SW	150																	
OL-1980A-01	FIELD QC	NA	10/14/2013	UFI CHM 2013-054	Water	FB	BLKWATER			22	U							0.013	UJ	0.02	J	0.048	UJ		
OL-1980A-02	DEEP_S	6.6-6.6 ft	10/14/2013	UFI CHM 2013-054	Water	REG	W-SW											0.026	J	0.046	U	2.218	J		
OL-1980A-03	DEEP_S	6.6-6.6 ft	10/14/2013	UFI CHM 2013-054	Water	FD	W-SW											0.026	J	0.047	U	2.179	J		
OL-1980A-04	DEEP_S	39.6-39.6 ft	10/14/2013	UFI CHM 2013-054	Water	REG	W-SW			22	U							0.003	J	0.462		1.342	J		
OL-1980A-05	DEEP_S	46.2-46.2 ft	10/14/2013	UFI CHM 2013-054	Water	REG	W-SW			22	U							0.013	UJ	0.736		1.23	J		
OL-1980A-06	DEEP_S	52.8-52.8 ft	10/14/2013	UFI CHM 2013-054	Water	REG	W-SW			22	U							0.013	UJ	1.01		1.717	J		
OL-1980A-08	DEEP_S	59.4-59.4 ft	10/14/2013	UFI CHM 2013-054	Water	REG	W-SW			22	U							0.013	UJ	1.516		3.045	J		
OL-1980A-09	DEEP_S	59.4-59.4 ft	10/14/2013	UFI CHM 2013-054	Water	FD	W-SW			22	U														
OL-1982-01	FIELD QC	NA	10/14/2013	240-30230-1	Water	FB	BLKWATER					0.00016	U			0.00005	U								
OL-1982-02	DEEP_S	6.6-6.6 ft	10/14/2013	240-30230-1	Water	REG	W-SW					0.0035				0.000078	U								
OL-1982-03	DEEP_S	6.6-6.6 ft	10/14/2013	240-30230-1	Water	FD	W-SW					0.0035				0.000088	U								
OL-1982-04	DEEP_S	39.6-39.6 ft	10/14/2013	240-30230-1	Water	REG	W-SW					0.0024				0.000099	U								
OL-1982-05	DEEP_S	46.2-46.2 ft	10/14/2013	240-30230-1	Water	REG	W-SW					0.0023				0.00015									
OL-1982-06	DEEP_S	52.8-52.8 ft	10/14/2013	240-30230-1	Water	REG	W-SW					0.0035				0.00015									
OL-1982-07	DEEP_S	59.4-59.4 ft	10/14/2013	240-30230-1	Water	REG	W-SW					0.0079				0.00015									

							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]	
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l	
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																		
OL-1984-01	FIELD QC	NA	10/14/2013	180-26054-1	Water	FB	BLKWATER	5	U																
OL-1984-02	DEEP_S	2-2 ft	10/14/2013	180-26054-1	Water	REG	W-SW	130																	
OL-1984-03	DEEP_S	2-2 ft	10/14/2013	180-26054-1	Water	FD	W-SW	130																	
OL-1984-04	DEEP_S	12-12 ft	10/14/2013	180-26054-1	Water	REG	W-SW	130																	
OL-1984-05	DEEP_S	14-14 ft	10/14/2013	180-26054-1	Water	REG	W-SW	140																	
OL-1984-06	DEEP_S	16-16 ft	10/14/2013	180-26054-1	Water	REG	W-SW	140																	
OL-1984-07	DEEP_S	18-18 ft	10/14/2013	180-26054-1	Water	REG	W-SW	140																	
OL-1985-01	FIELD QC	NA	10/21/2013	UFI CHM 2013-056	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U	0.0015	
OL-1985-02	DEEP_S	6.6-6.6 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW											0.028		0.091		2.344			
OL-1985-03	DEEP_S	6.6-6.6 ft	10/21/2013	UFI CHM 2013-056	Water	FD	W-SW											0.028		0.089		2.377			
OL-1985-04	DEEP_S	39.6-39.6 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW			22	U							0.024		0.334		2.141		0.0014	U
OL-1985-05	DEEP_S	46.2-46.2 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW			22	U							0.013	U	0.893		1.287		0.0014	U
OL-1985-06	DEEP_S	52.8-52.8 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW			22	U							0.007	J	1.192		1.49			
OL-1985-07	DEEP_S	52.8-52.8 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW																	0.0014	U
OL-1985-08	DEEP_S	52.8-52.8 ft	10/21/2013	UFI CHM 2013-056	Water	FD	W-SW																	0.0014	U
OL-1985-09	DEEP_S	59.4-59.4 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW																	0.0015	U
OL-1985-10	DEEP_S	59.4-59.4 ft	10/21/2013	UFI CHM 2013-056	Water	REG	W-SW			22	U							0.012	J	1.47		1.641			
OL-1985-11	DEEP_S	59.4-59.4 ft	10/21/2013	UFI CHM 2013-056	Water	FD	W-SW			22	U														
OL-1987-01	FIELD QC	NA	10/21/2013	240-30462-1	Water	FB	BLKWATER					0.00016	U			0.00005	U								
OL-1987-02	DEEP_S	6.6-6.6 ft	10/21/2013	240-30462-1	Water	REG	W-SW					0.0041		0.0011		0.00014									
OL-1987-03	DEEP_S	6.6-6.6 ft	10/21/2013	240-30462-1	Water	FD	W-SW					0.0043				0.00015									
OL-1987-04	DEEP_S	39.6-39.6 ft	10/21/2013	240-30462-1	Water	REG	W-SW					0.0051				0.00015									
OL-1987-05	DEEP_S	46.2-46.2 ft	10/21/2013	240-30462-1	Water	REG	W-SW					0.002		0.00021	J	0.00021									
OL-1987-06	DEEP_S	52.8-52.8 ft	10/21/2013	240-30462-1	Water	REG	W-SW					0.0024				0.00021									
OL-1987-07	DEEP_S	59.4-59.4 ft	10/21/2013	240-30462-1	Water	REG	W-SW					0.0035				0.00021									
OL-1989-01	FIELD QC	NA	10/21/2013	180-26277-1	Water	FB	BLKWATER	0.081	J																
OL-1989-02	DEEP_S	6.6-6.6 ft	10/21/2013	180-26277-1	Water	REG	W-SW	130																	
OL-1989-03	DEEP_S	6.6-6.6 ft	10/21/2013	180-26277-1	Water	FD	W-SW	130																	
OL-1989-04	DEEP_S	39.6-39.6 ft	10/21/2013	180-26277-1	Water	REG	W-SW	140																	
OL-1989-05	DEEP_S	46.2-46.2 ft	10/21/2013	180-26277-1	Water	REG	W-SW	160																	
OL-1989-06	DEEP_S	52.8-52.8 ft	10/21/2013	180-26277-1	Water	REG	W-SW	150																	
OL-1989-07	DEEP_S	59.4-59.4 ft	10/21/2013	180-26277-1	Water	REG	W-SW	160																	
OL-1990-01	FIELD QC	NA	10/23/2013	240-30557-1	Water	FB	BLKWATER					0.00016	U	0.00016	U	0.00005	U								
OL-1990-02	FIELD QC	NA	10/23/2013	240-30557-1	Water	EB	BLKWATER					0.00016	U	0.00016	U	0.00005	U								
OL-1990-03	FIELD QC	NA	10/23/2013	240-30557-1	Water	EB	BLKWATER					0.00016	U	0.00016	U	0.000013	U								
OL-1991-01	FIELD QC	NA	10/28/2013	UFI CHM 2013-059	Water	FB	BLKWATER											0.013	UJ	0.043	U	0.048	UJ		
OL-1991-02	DEEP_S	6.6-6.6 ft	10/28/2013	UFI CHM 2013-059	Water	REG	W-SW											0.028	J	0.249		2.247	J		
OL-1991-03	DEEP_S	6.6-6.6 ft	10/28/2013	UFI CHM 2013-059	Water	FD	W-SW											0.028	J	0.246		2.239	J		
OL-1991-04	DEEP_S	39.6-39.6 ft	10/28/2013	UFI CHM 2013-059	Water	REG	W-SW											0.028	J	0.248		2.27	J		
OL-1993-01	FIELD QC	NA	10/28/2013	240-30757-1	Water	FB	BLKWATER					0.00016	U			0.00005	U								
OL-1993-02	DEEP_S	6.6-6.6 ft	10/28/2013	240-30757-1	Water	REG	W-SW					0.0061				0.00012									
OL-1993-03	DEEP_S	6.6-6.6 ft	10/28/2013	240-30757-1	Water	FD	W-SW					0.0057				0.00013									
OL-1993-04	DEEP_S	39.6-39.6 ft	10/28/2013	240-30757-1	Water	REG	W-SW					0.0082				0.00013									
OL-1995-01	FIELD QC	NA	10/28/2013	180-26590-1	Water	FB	BLKWATER	5	U																
OL-1995-02	DEEP_S	6.6-6.6 ft	10/28/2013	180-26590-1	Water	REG	W-SW	130																	
OL-1995-03	DEEP_S	6.6-6.6 ft	10/28/2013	180-26590-1	Water	FD	W-SW	130																	
OL-1995-04	DEEP_S	39.6-39.6 ft	10/28/2013	180-26590-1	Water	REG	W-SW	130																	
OL-1996-01	FIELD QC	NA	10/30/2013	UFI CHM 2013-060	Water	FB	BLKWATER			22	U							0.013	U	0.043	U	0.048	U		
OL-1996-02	DEEP_S	6.6-6.6 ft	10/30/2013	UFI CHM 2013-060	Water	REG	W-SW											0.029		0.267		2.246			
OL-1996-03	DEEP_S	6.6-6.6 ft	10/30/2013	UFI CHM 2013-060	Water	FD	W-SW											0.029		0.261		2.269			

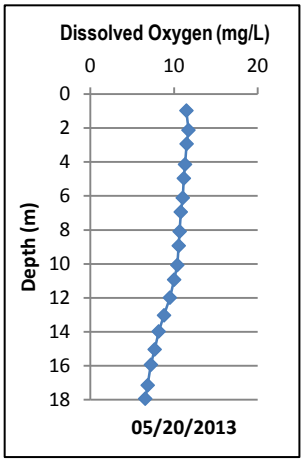
							Parameter	CALCIUM		FERROUS IRON (II)		MERCURY		DISSOLVED MERCURY		METHYL MERCURY		NITRITE [1]		NITROGEN, AMMONIA (AS N) [1]		NITROGEN, NITRATE-NITRITE [1]		REACTIVE PHOSPHATE [1]
							Units	mg/l		ug/l		ug/l		ug/l		ug/l		mg/l		mg/l		mg/l		mg/l
Field Sample ID	Location ID	Sample Depth	Sample Date	Sample Delivery Group	Matrix	Purpose	Samp Type																	
OL-1996-04	DEEP_S	39.6-39.6 ft	10/30/2013	UFI CHM 2013-060	Water	REG	W-SW			22	U							0.029		0.269		2.203		
OL-1996-06	DEEP_S	59.4-59.4 ft	10/30/2013	UFI CHM 2013-060	Water	REG	W-SW			22	U							0.031		1.867		1.036		
OL-1996-07	DEEP_S	59.4-59.4 ft	10/30/2013	UFI CHM 2013-060	Water	FD	W-SW			22	U													
OL-1997-01	FIELD QC	NA	10/30/2013	240-30848-1	Water	FB	BLKWATER					0.00016	U			0.00005	U							
OL-1997-02	DEEP_S	6.6-6.6 ft	10/30/2013	240-30848-1	Water	REG	W-SW					0.0073				0.00014								
OL-1997-03	DEEP_S	6.6-6.6 ft	10/30/2013	240-30848-1	Water	FD	W-SW					0.0077				0.00014								
OL-1997-04	DEEP_S	39.6-39.6 ft	10/30/2013	240-30848-1	Water	REG	W-SW					0.0077				0.00014								
OL-1997-05	DEEP_S	59.4-59.4 ft	10/30/2013	240-30848-1	Water	REG	W-SW					0.0074				0.00025								
OL-1998-01	FIELD QC	NA	10/30/2013	180-26668-1	Water	FB	BLKWATER	0.0097	U															
OL-1998-02	DEEP_S	6.6-6.6 ft	10/30/2013	180-26668-1	Water	REG	W-SW	130																
OL-1998-03	DEEP_S	6.6-6.6 ft	10/30/2013	180-26668-1	Water	FD	W-SW	130																
OL-1998-04	DEEP_S	39.6-39.6 ft	10/30/2013	180-26668-1	Water	REG	W-SW	130																
OL-1998-05	DEEP_S	59.4-59.4 ft	10/30/2013	180-26668-1	Water	REG	W-SW	140																
OL-1999-01	FIELD QC	NA	11/4/2013	UFI CHM 2013-062	Water	FB	BLKWATER											0.013	U	0.043	U	0.048	U	
OL-1999-02	DEEP_S	6.6-6.6 ft	11/4/2013	UFI CHM 2013-062	Water	REG	W-SW											0.031		0.354		2.21		
OL-1999-03	DEEP_S	6.6-6.6 ft	11/4/2013	UFI CHM 2013-062	Water	FD	W-SW											0.031		0.339		2.172		
OL-1999-04	DEEP_S	39.6-39.6 ft	11/4/2013	UFI CHM 2013-062	Water	REG	W-SW											0.032		0.34		2.213		
OL-1999-05	DEEP_S	46.2-46.2 ft	11/4/2013	UFI CHM 2013-062	Water	REG	W-SW											0.027		0.295		1.918		
OL-2024-01	FIELD QC	NA	11/4/2013	240-31024-1	Water	FB	BLKWATER					0.00016	U			0.000013	J							
OL-2024-02	DEEP_S	6.6-6.6 ft	11/4/2013	240-31024-1	Water	REG	W-SW					0.012				0.00017								
OL-2024-03	DEEP_S	6.6-6.6 ft	11/4/2013	240-31024-1	Water	FD	W-SW					0.015				0.00015								
OL-2024-04	DEEP_S	39.6-39.6 ft	11/4/2013	240-31024-1	Water	REG	W-SW					0.013				0.00014								
OL-2024-05	DEEP_S	59.4-59.4 ft	11/4/2013	240-31024-1	Water	REG	W-SW					0.015				0.00016								
OL-2026-01	FIELD QC	NA	11/4/2013	180-26807-1	Water	FB	BLKWATER	0.048	J															
OL-2026-02	DEEP_S	6.6-6.6 ft	11/4/2013	180-26807-1	Water	REG	W-SW	140																
OL-2026-03	DEEP_S	6.6-6.6 ft	11/4/2013	180-26807-1	Water	FD	W-SW	140																
OL-2026-04	DEEP_S	39.6-39.6 ft	11/4/2013	180-26807-1	Water	REG	W-SW	130																
OL-2026-05	DEEP_S	59.4-59.4 ft	11/4/2013	180-26807-1	Water	REG	W-SW	130																
OL-2027-01	FIELD QC	NA	11/20/2013	UFI CHM 2013-063	Water	FB	BLKWATER											0.013	U	0.043	U	0.048	U	
OL-2027-02	DEEP_S	6.6-6.6 ft	11/20/2013	UFI CHM 2013-063	Water	REG	W-SW											0.061		0.324		2.711		
OL-2027-03	DEEP_S	6.6-6.6 ft	11/20/2013	UFI CHM 2013-063	Water	FD	W-SW											0.061		0.316		2.686		
OL-2027-04	DEEP_S	39.6-39.6 ft	11/20/2013	UFI CHM 2013-063	Water	REG	W-SW											0.061		0.319		2.702		
OL-2027-05	DEEP_S	59.4-59.4 ft	11/20/2013	UFI CHM 2013-063	Water	REG	W-SW											0.061		0.318		2.733		
OL-2028-01	FIELD QC	NA	11/20/2013	240-31719-1	Water	FB	BLKWATER					0.00016	U			0.00005	U							
OL-2028-02	DEEP_S	6.6-6.6 ft	11/20/2013	240-31719-1	Water	REG	W-SW					0.011				0.00015								
OL-2028-03	DEEP_S	6.6-6.6 ft	11/20/2013	240-31719-1	Water	FD	W-SW					0.011				0.00015								
OL-2028-04	DEEP_S	39.6-39.6 ft	11/20/2013	240-31719-1	Water	REG	W-SW					0.011				0.00016								
OL-2028-05	DEEP_S	59.4-59.4 ft	11/20/2013	240-31719-1	Water	REG	W-SW					0.013				0.00016								
OL-2030-01	FIELD QC	NA	11/20/2013	180-27389-1	Water	FB	BLKWATER	0.0097	U															
OL-2030-02	DEEP_S	6.6-6.6 ft	11/20/2013	180-27389-1	Water	REG	W-SW	140																
OL-2030-03	DEEP_S	6.6-6.6 ft	11/20/2013	180-27389-1	Water	FD	W-SW	140																
OL-2030-04	DEEP_S	39.6-39.6 ft	11/20/2013	180-27389-1	Water	REG	W-SW	140																
OL-2030-05	DEEP_S	59.4-59.4 ft	11/20/2013	180-27389-1	Water	REG	W-SW	140																

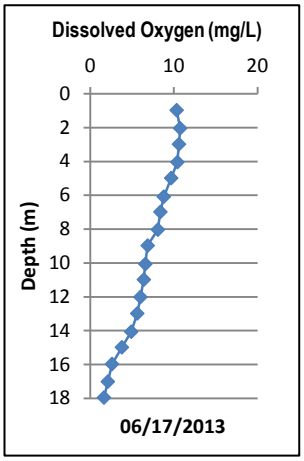
Notes: (1) - Field filtered.

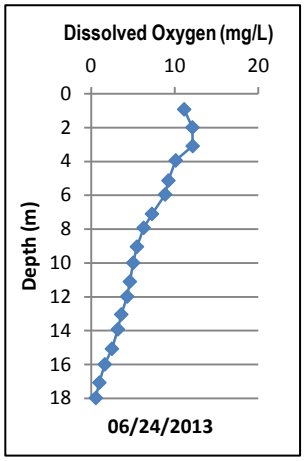
APPENDIX E

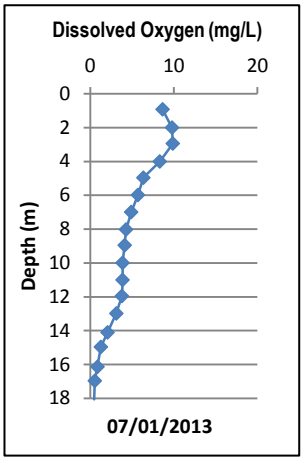
PLOTS OF DISSOLVED OXYGEN, NITRATE, TOTAL MERCURY AND METHYLMERCURY CONCENTRATIONS WITH DEPTH AT SOUTH DEEP FOR 2013

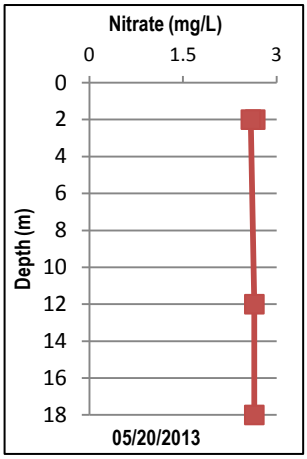
2013 Water Quality Results: South Deep

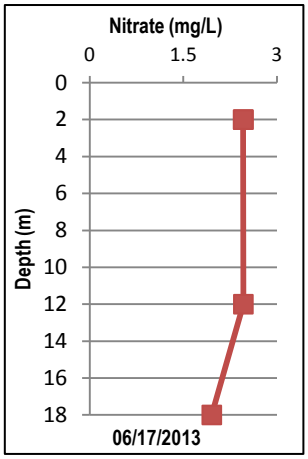


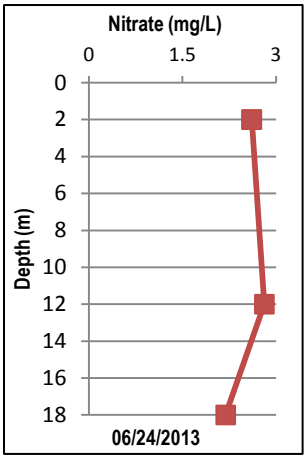


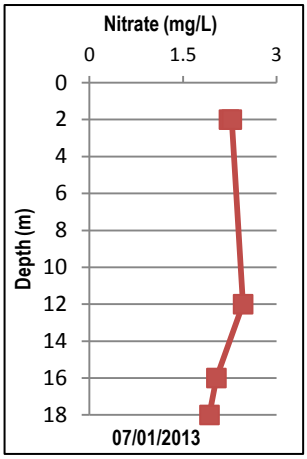


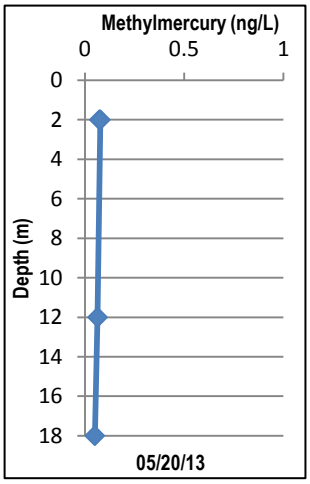


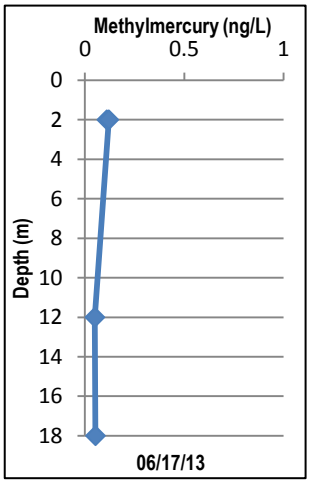


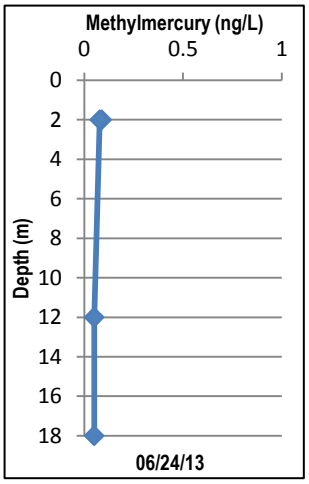


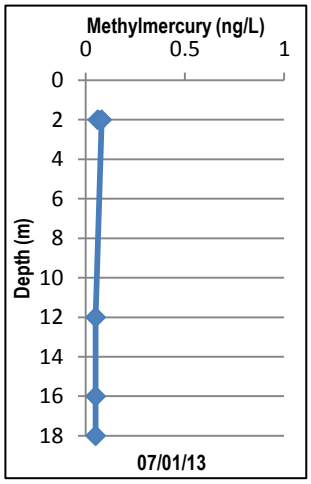


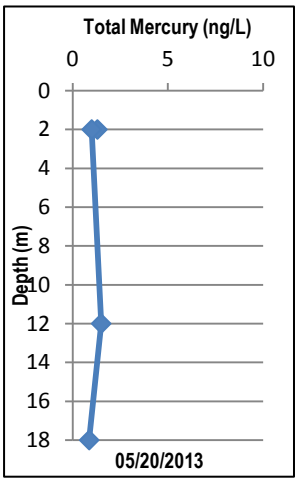


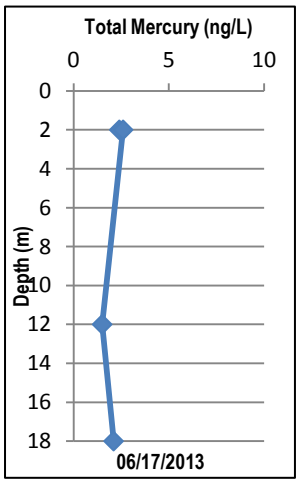


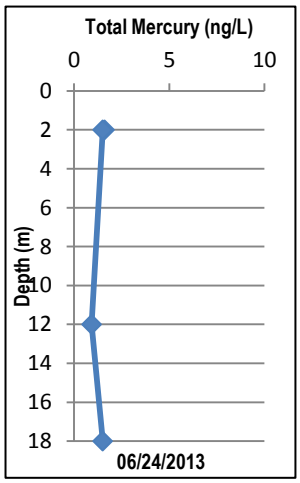


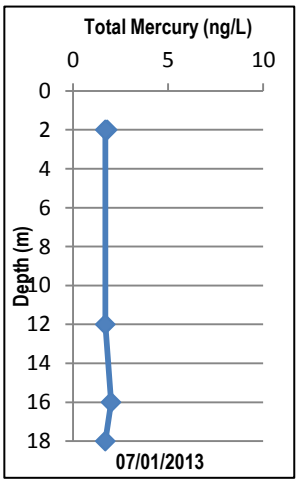




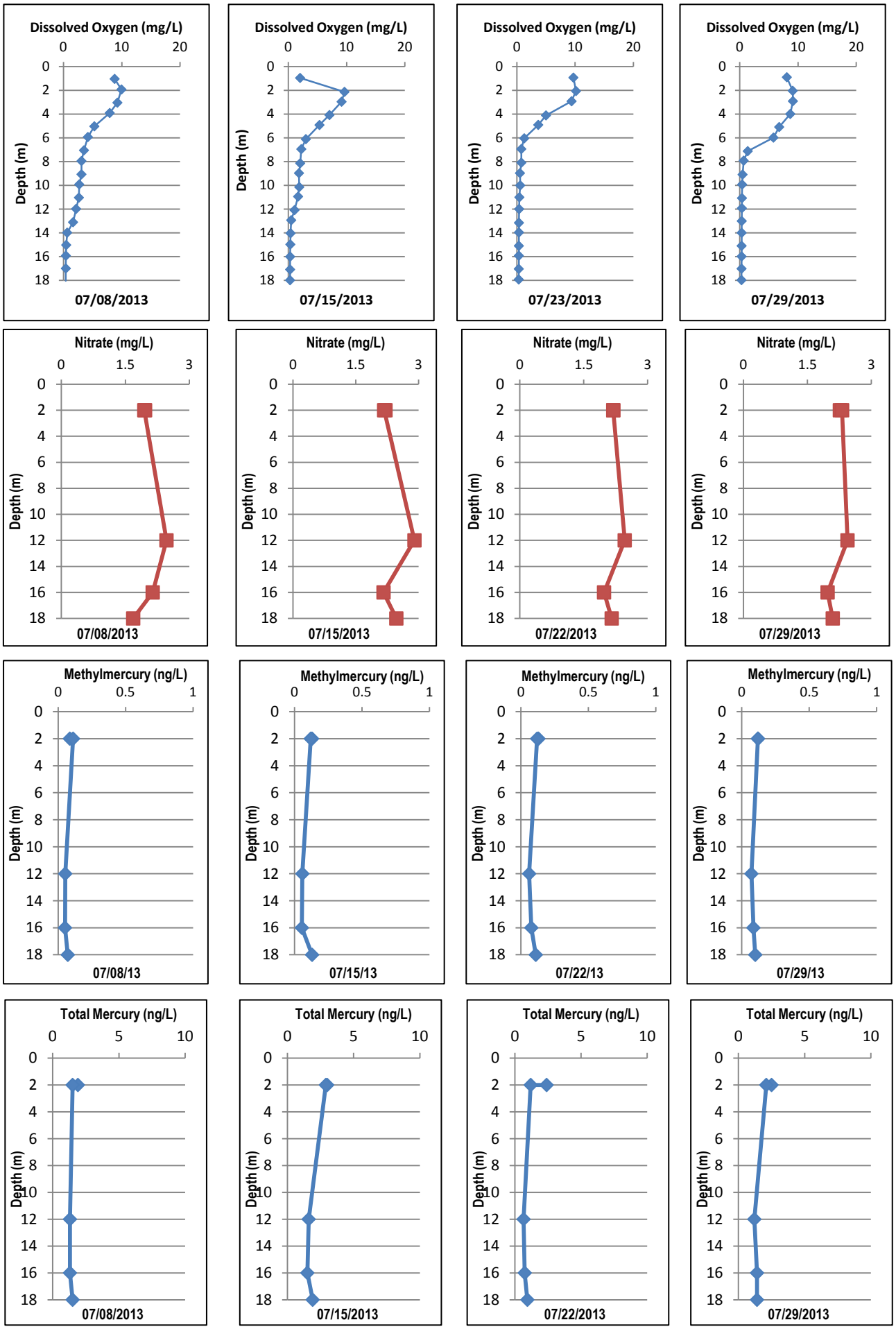




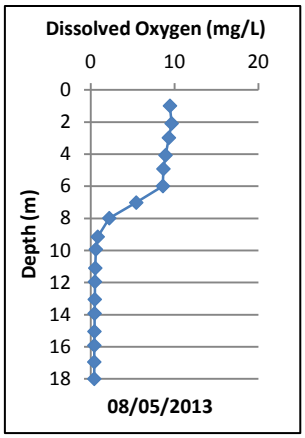


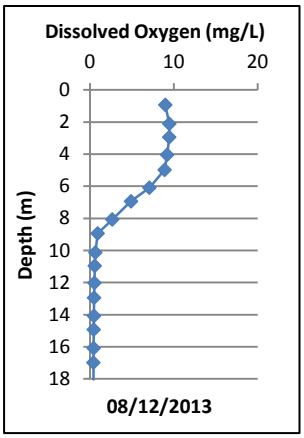


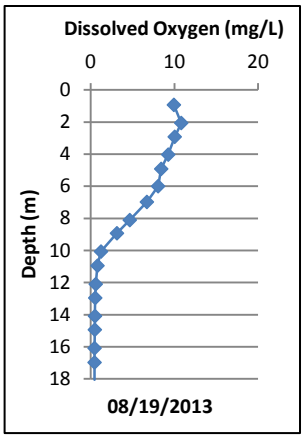
2013 Water Quality Results: South Deep

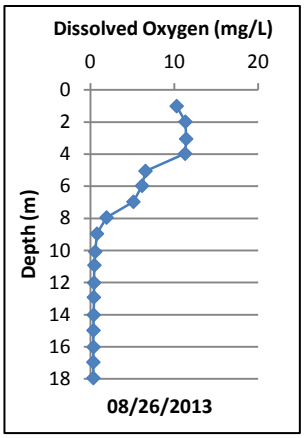


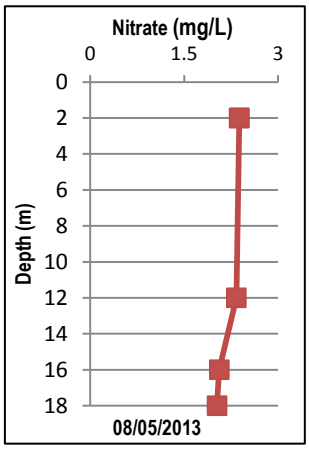
2013 Water Quality Results: South Deep

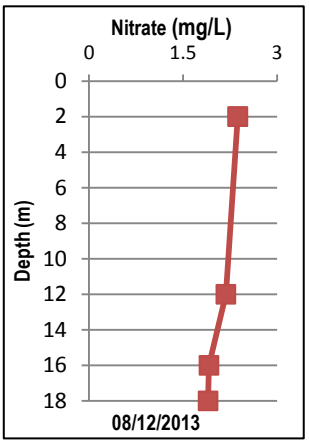


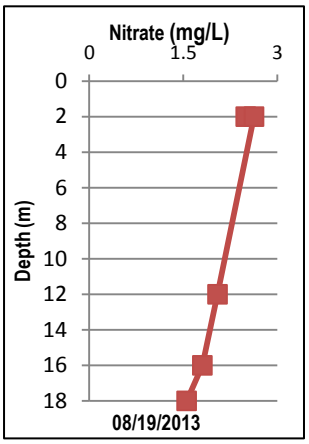


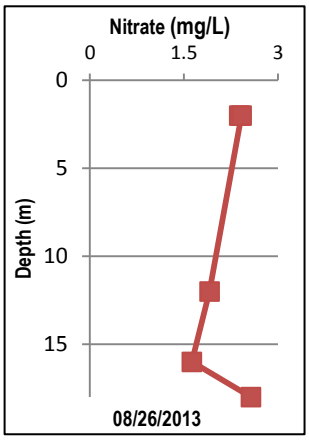


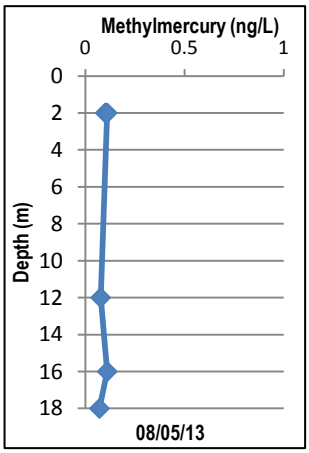


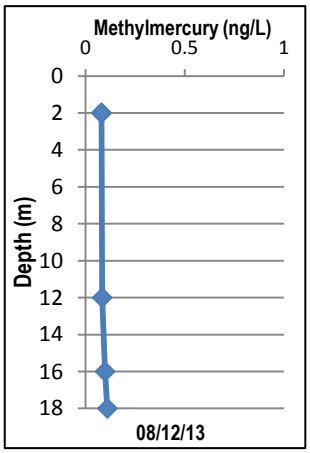


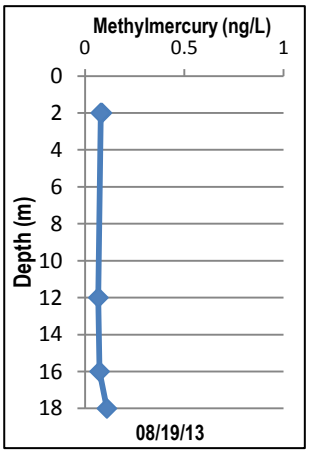


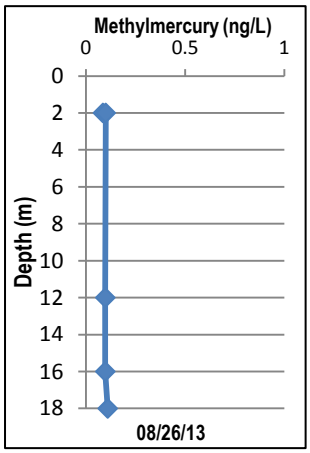


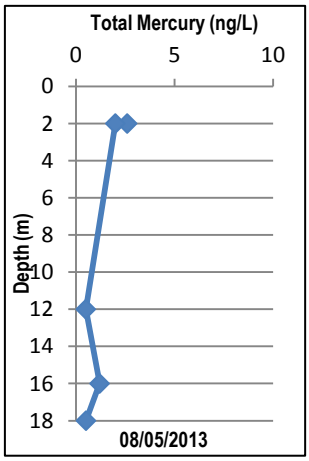


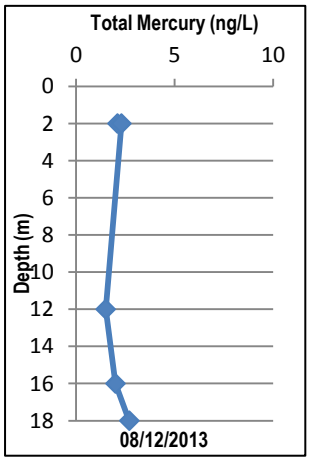


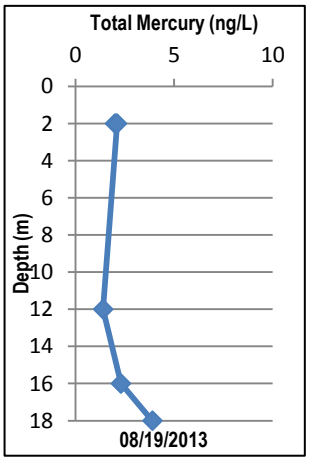


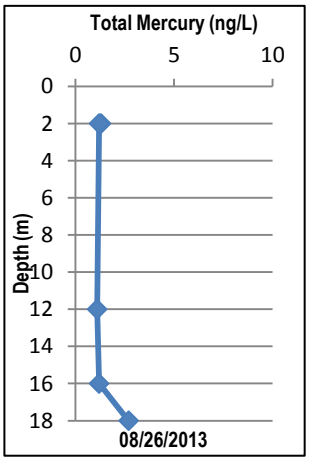




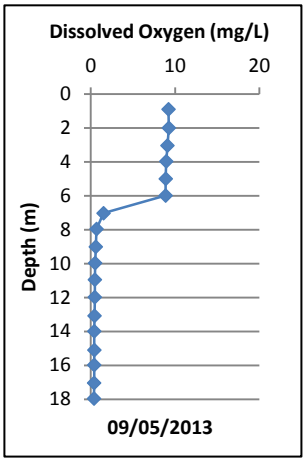


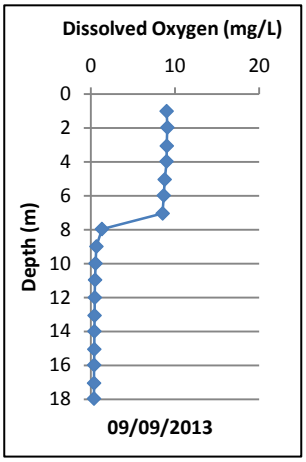


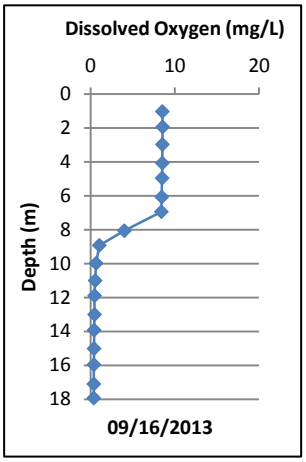


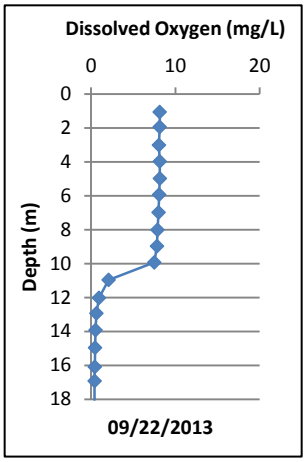


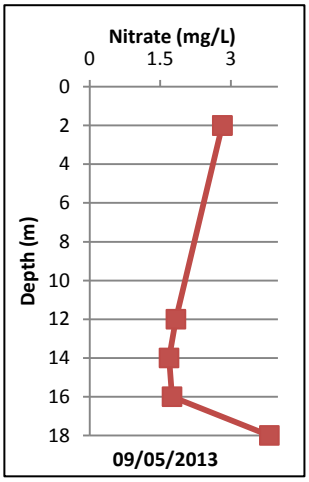
2013 Water Quality Results: South Deep

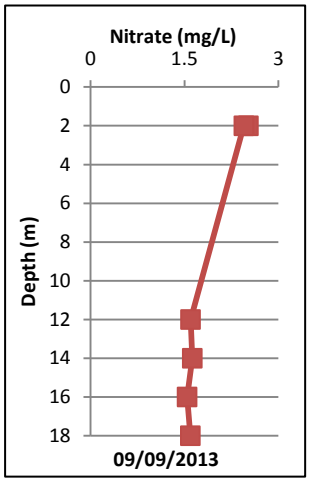


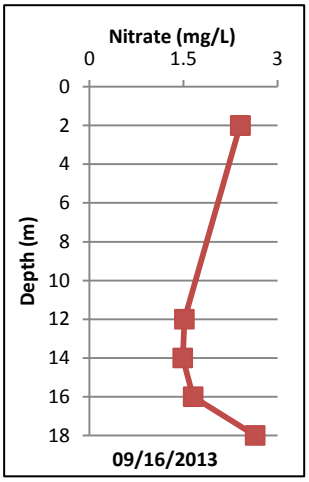


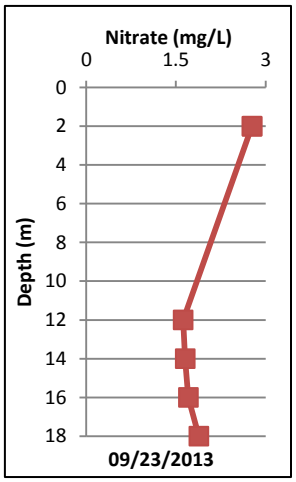


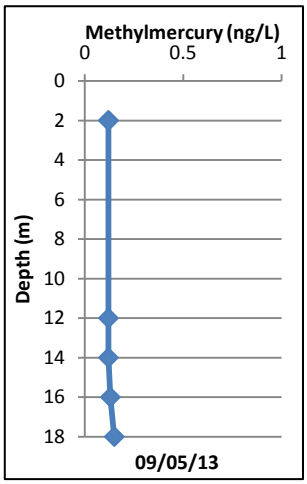


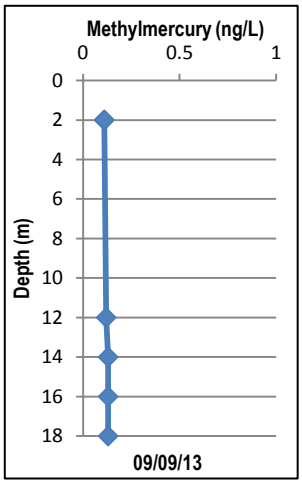


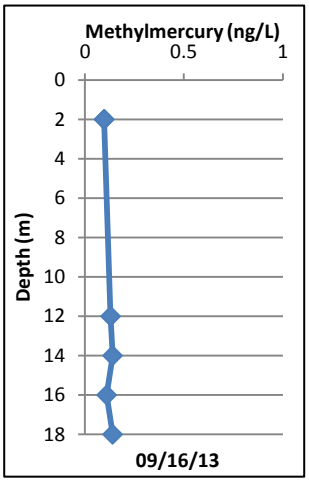


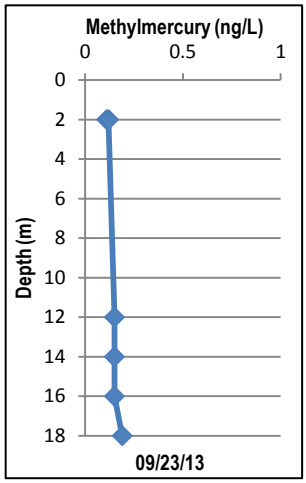


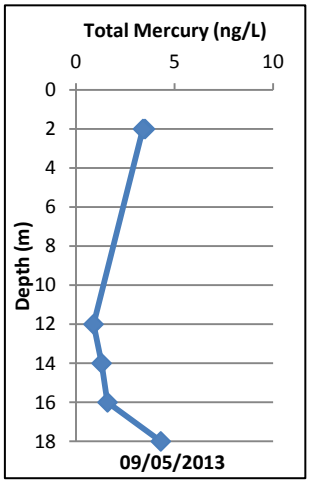


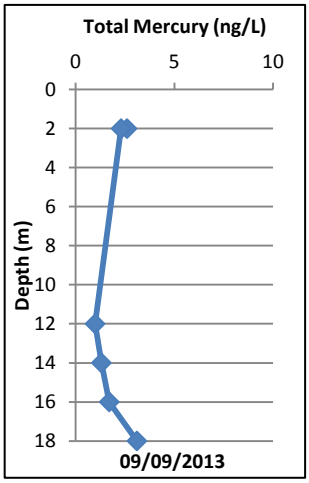


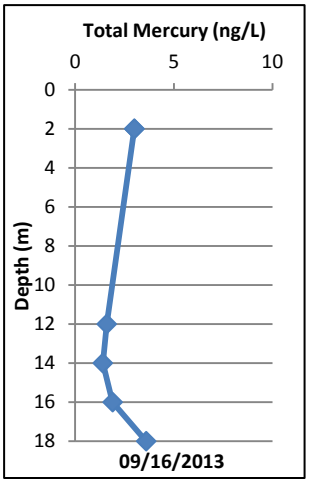


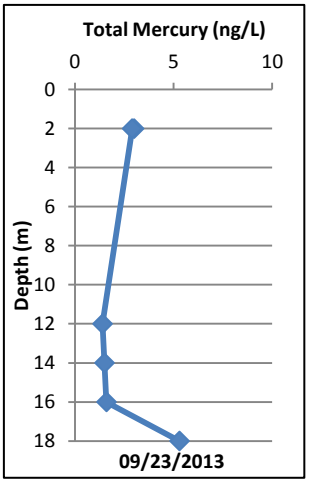




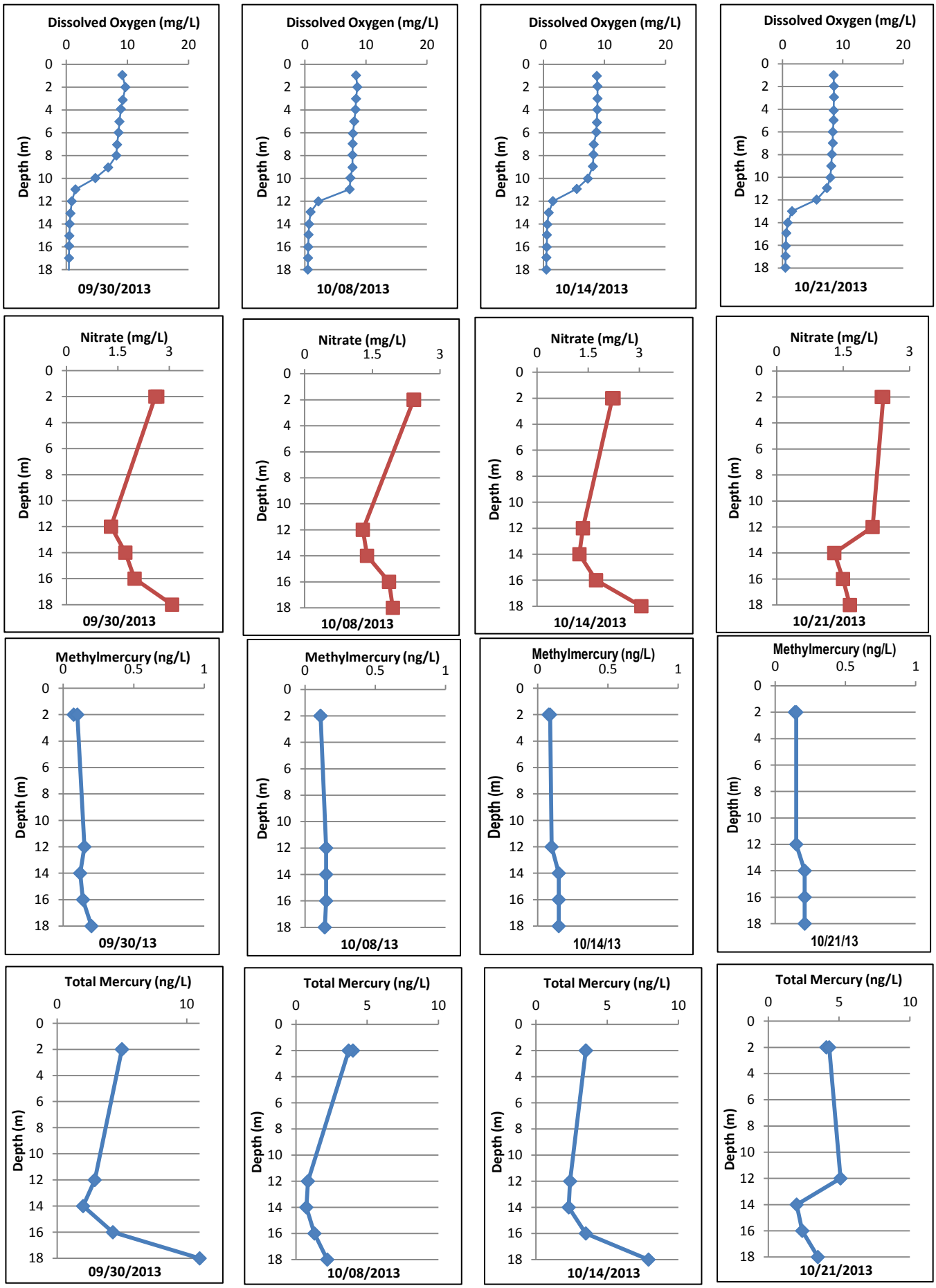




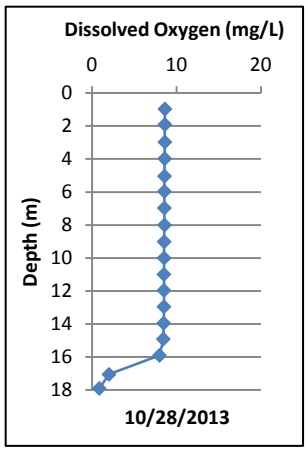


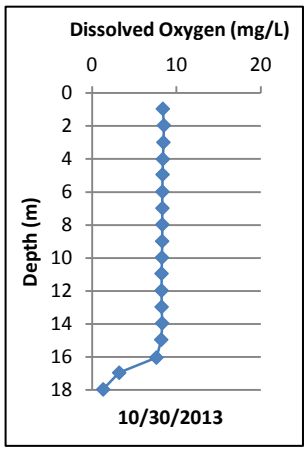


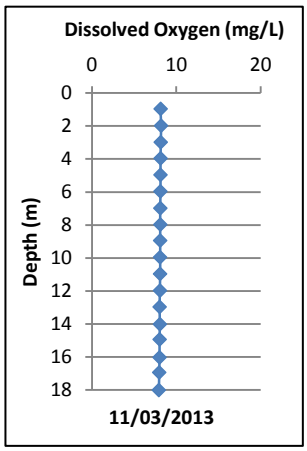
2013 Water Quality Results: South Deep

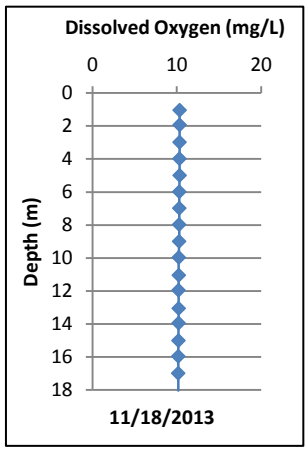


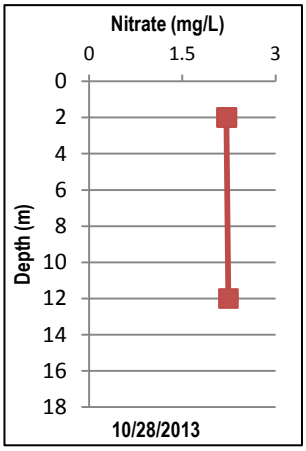
2013 Water Quality Results: South Deep

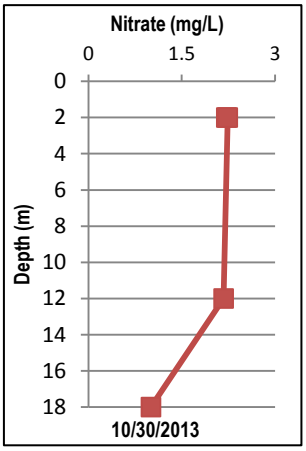


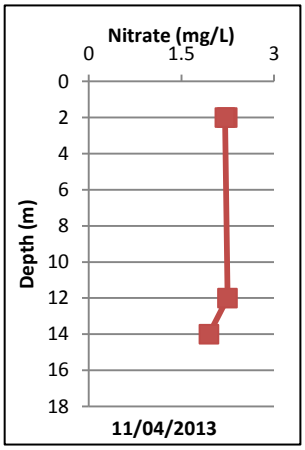


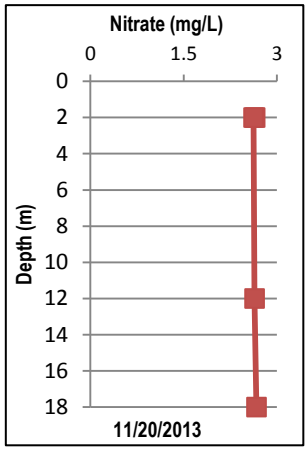


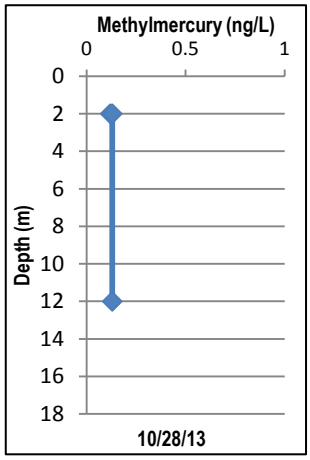


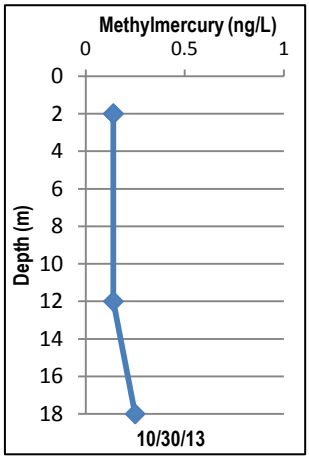


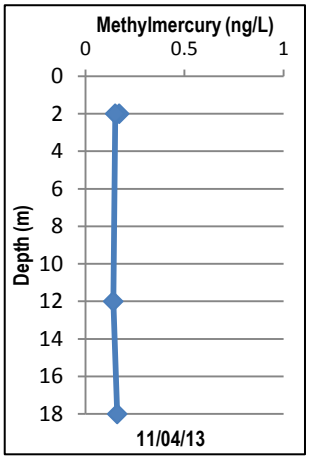


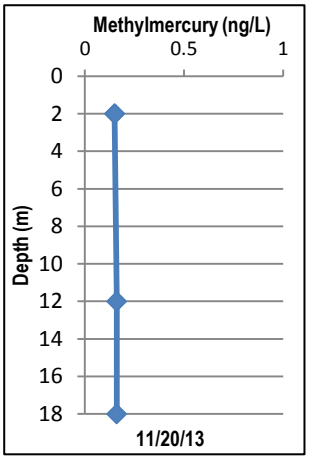


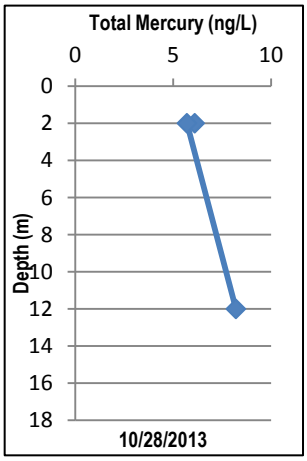


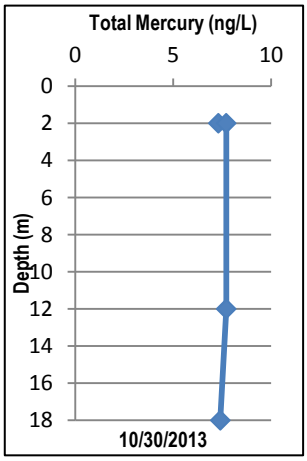


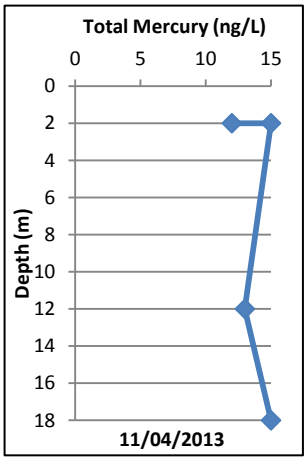


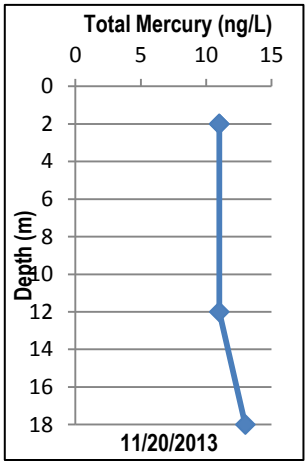








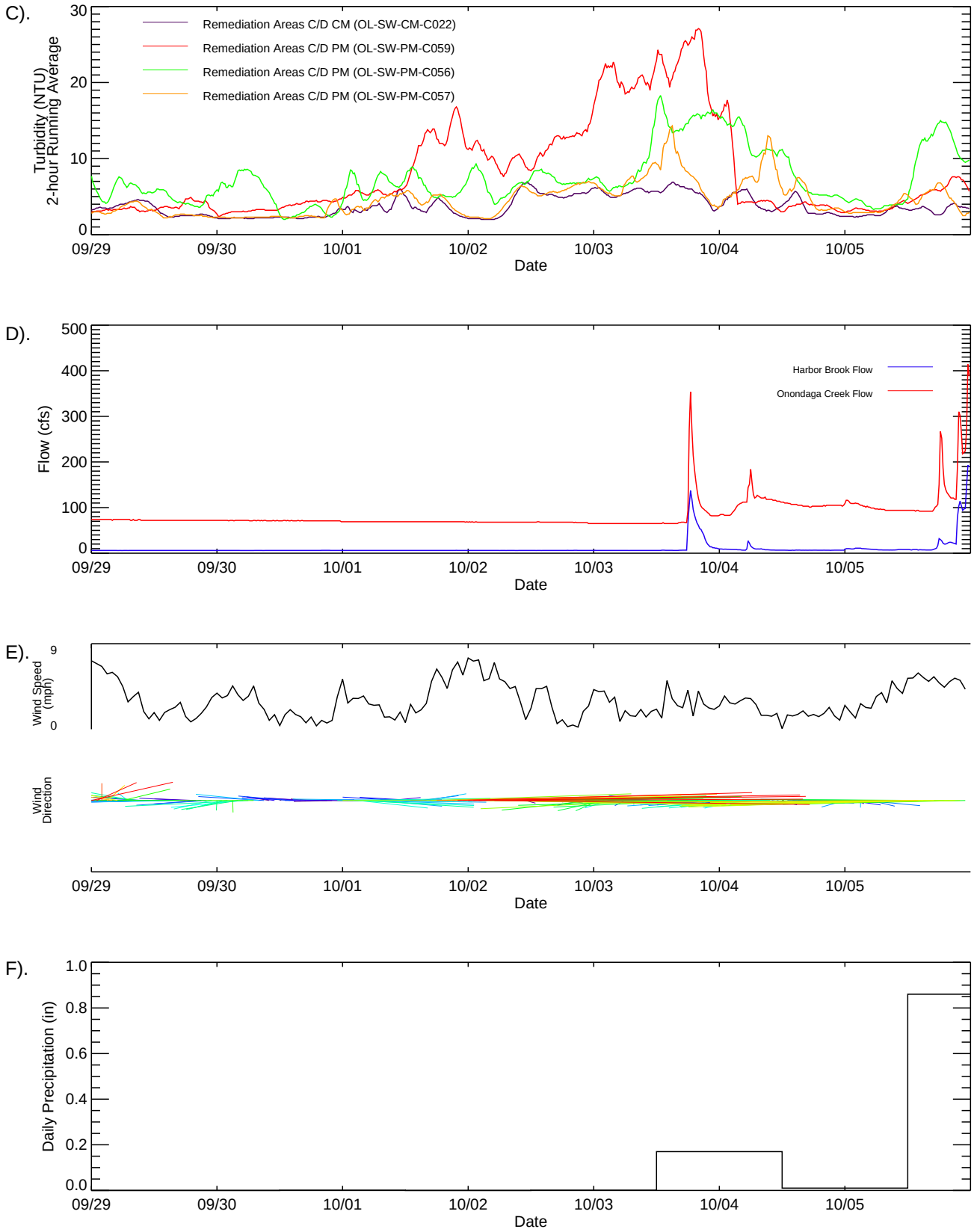




APPENDIX F

CONSTRUCTION WATER QUALITY MONITORING RESULTS FOR OCTOBER-NOVEMBER 2013

Remediation Area D Dredging
Sample week: 9/29/2013 - 10/5/2013

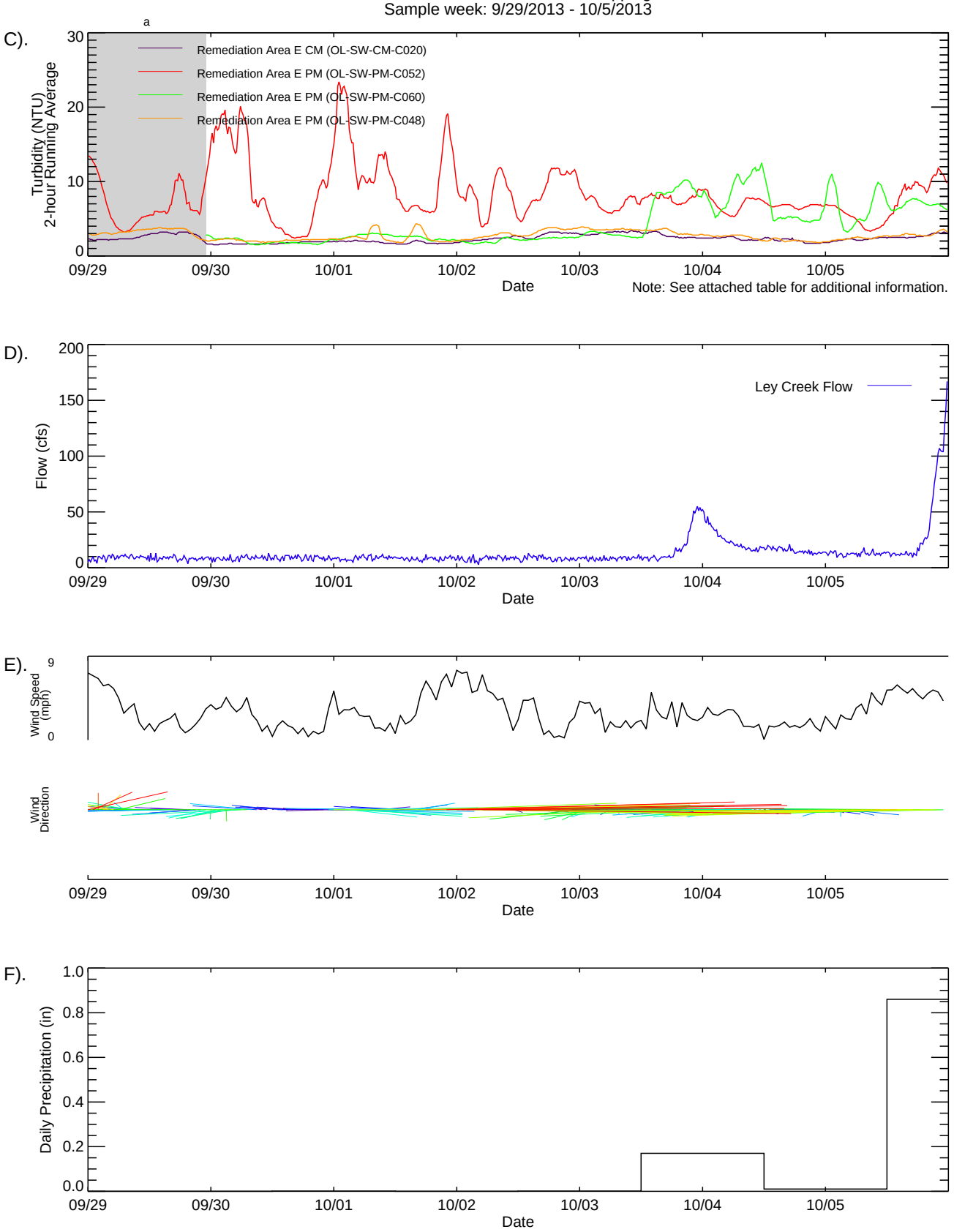


Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

Remediation Area E/SMU 8 Capping
Sample week: 9/29/2013 - 10/5/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240120 - Ley Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area E Capping
September 29 to October 5, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	9/29/2013	11	OL-SW-PM-C060	Remediation Area E PM	12:00	--	Sonde malfunction likely resulted in collection of anomalous data; data excluded. Sonde replaced 10/30/2013.
	9/30/2013				--	11:00	

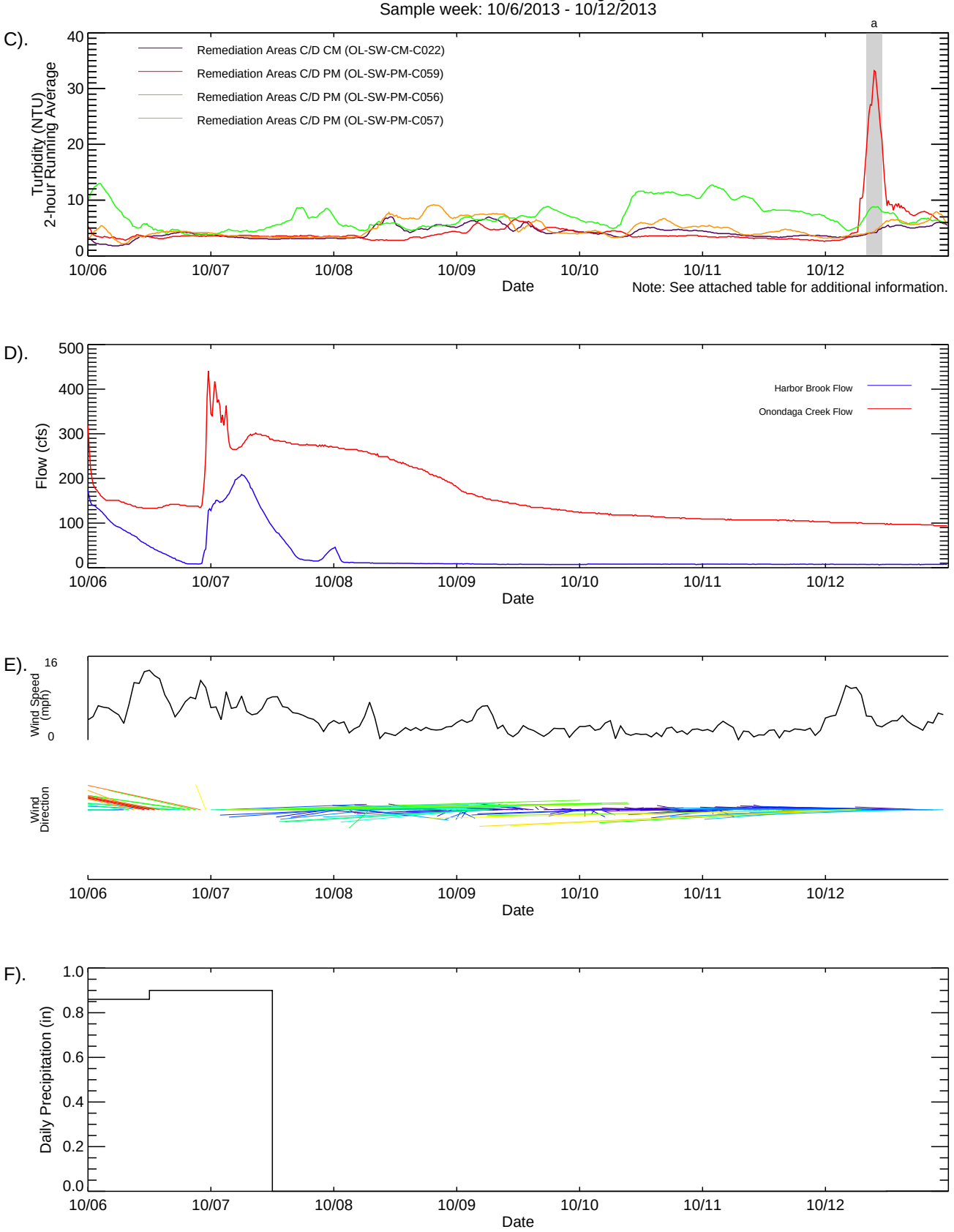
Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedances of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

2 The 2-hour running average turbidity plot provides a depiction of turbidity trends for evaluation of alert and action levels.

NTU - Nephelometric Turbidity Units

Remediation Area D Dredging
Sample week: 10/6/2013 - 10/12/2013



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
October 6 to October 12, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	10/12/2013	2	OL-SW-PM-C059	Remediation Areas C/D PM	20:00	23:00	Brief elevated turbidity values potentially a result of capping operations in the vicinity.

Notes:

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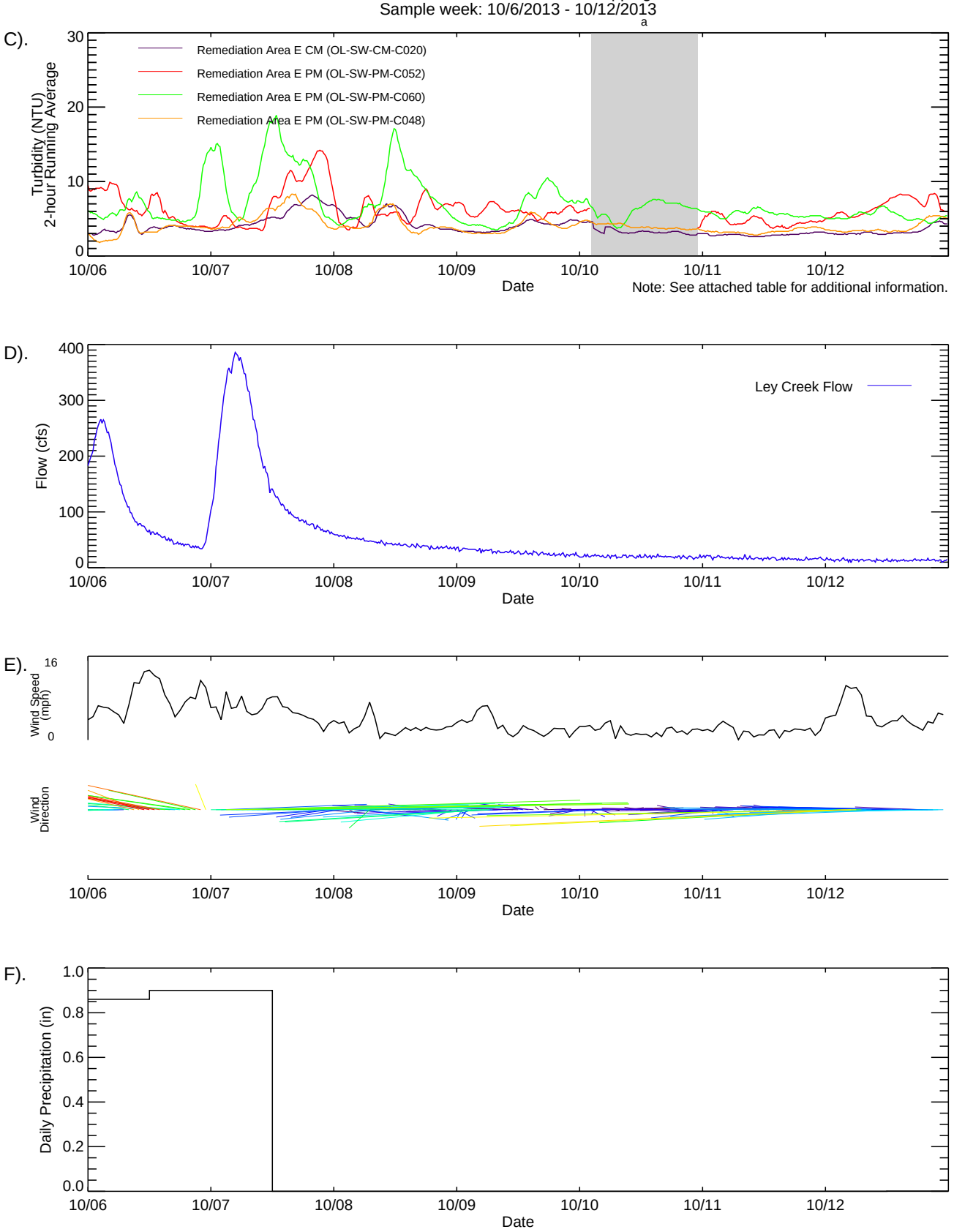
NTU - Nephelometric Turbidity Units

Remediation Area E/SMU 8 Capping
Sample week: 10/6/2013 - 10/12/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240120 - Ley Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area E Capping
October 6 to October 12, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	10/10/2013	10	OL-SW-PM-C052	Remediation Area E PM	14:15	--	Sonde inadvertently left off after regular sonde maintenance.
	10/11/2013				--	11:00	

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedances of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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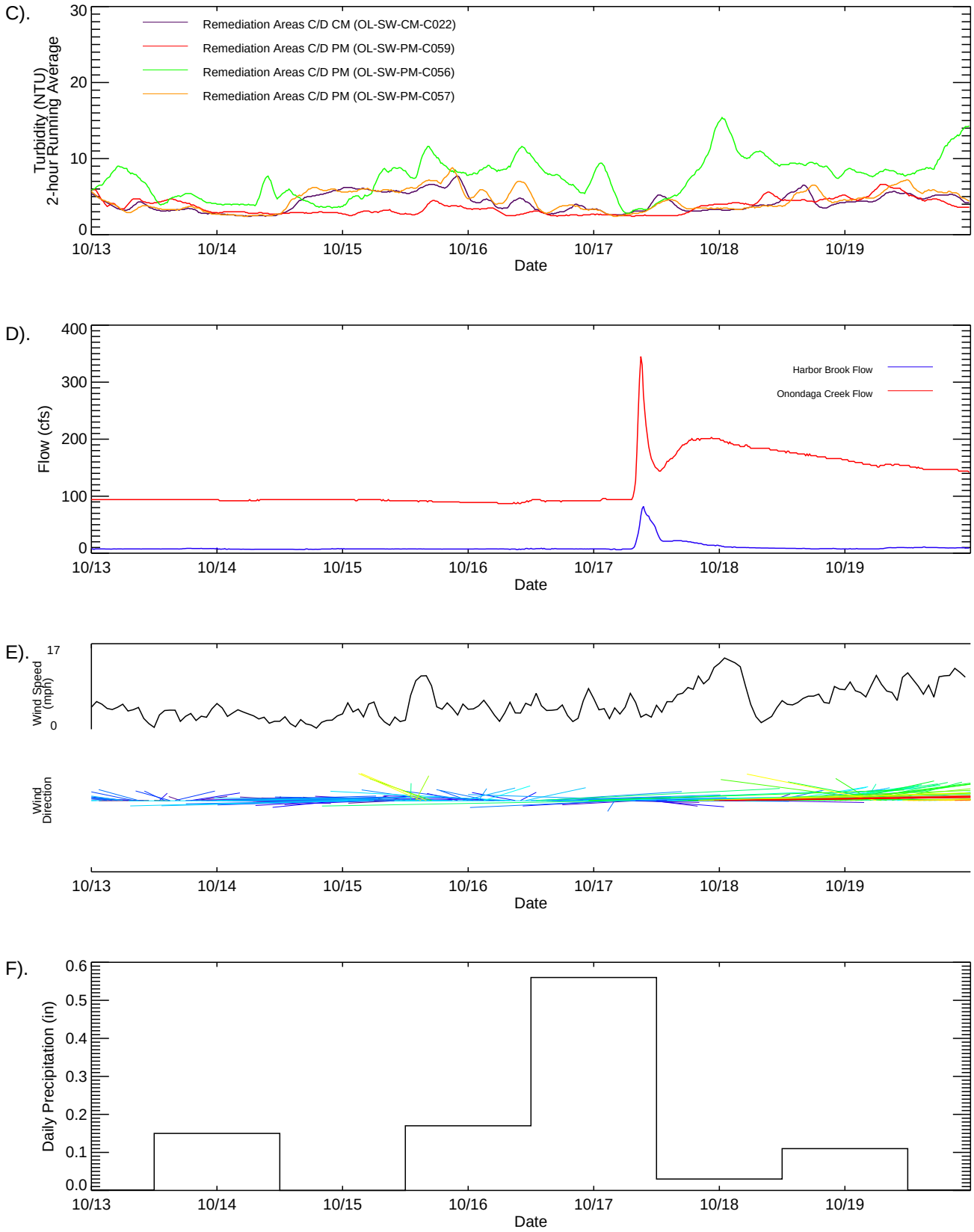
NTU - Nephelometric Turbidity Units

Remediation Area D Dredging
Sample week: 10/13/2013 - 10/19/2013



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
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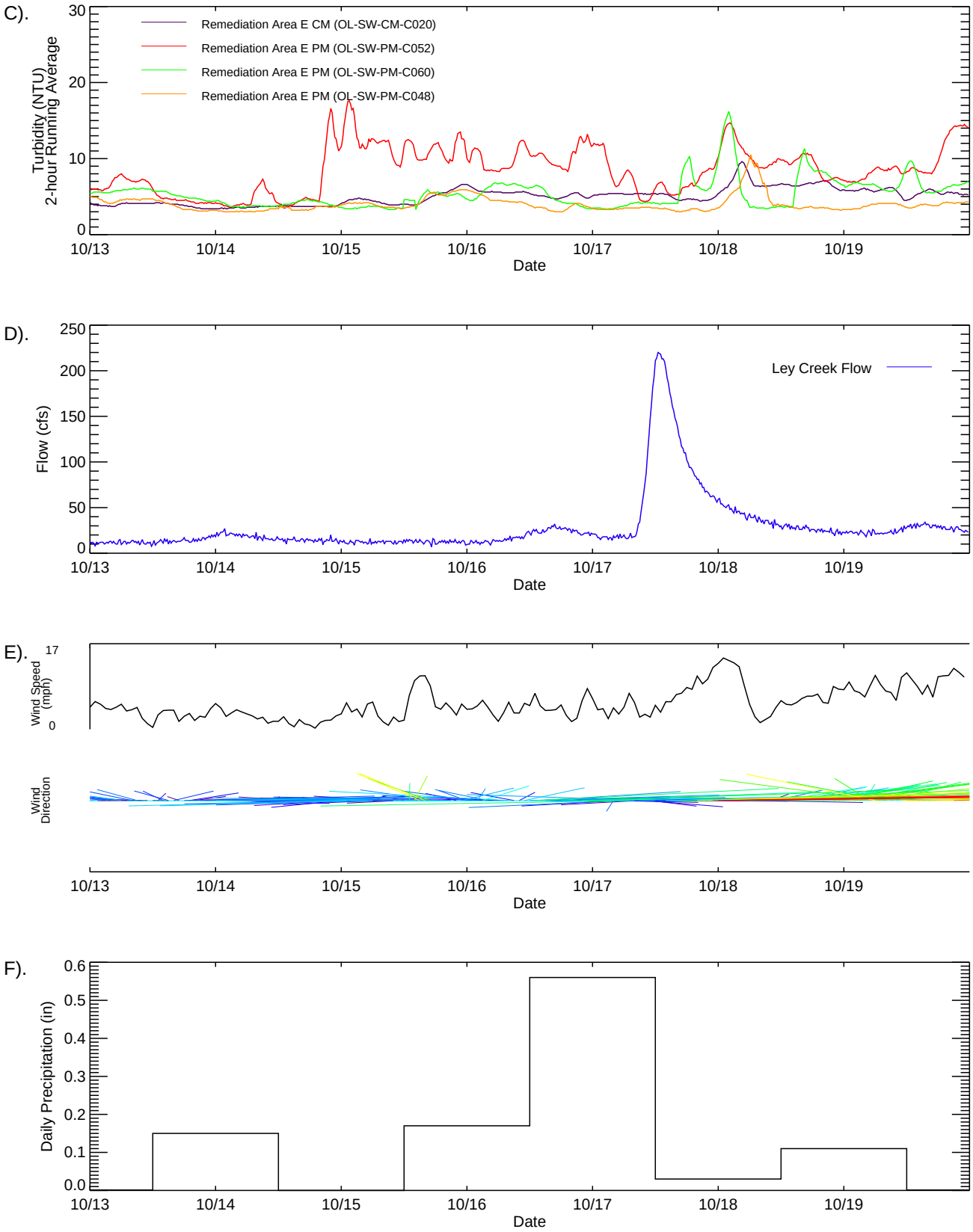
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

Remediation Area E/SMU 8 Capping
Sample week: 10/13/2013 - 10/19/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
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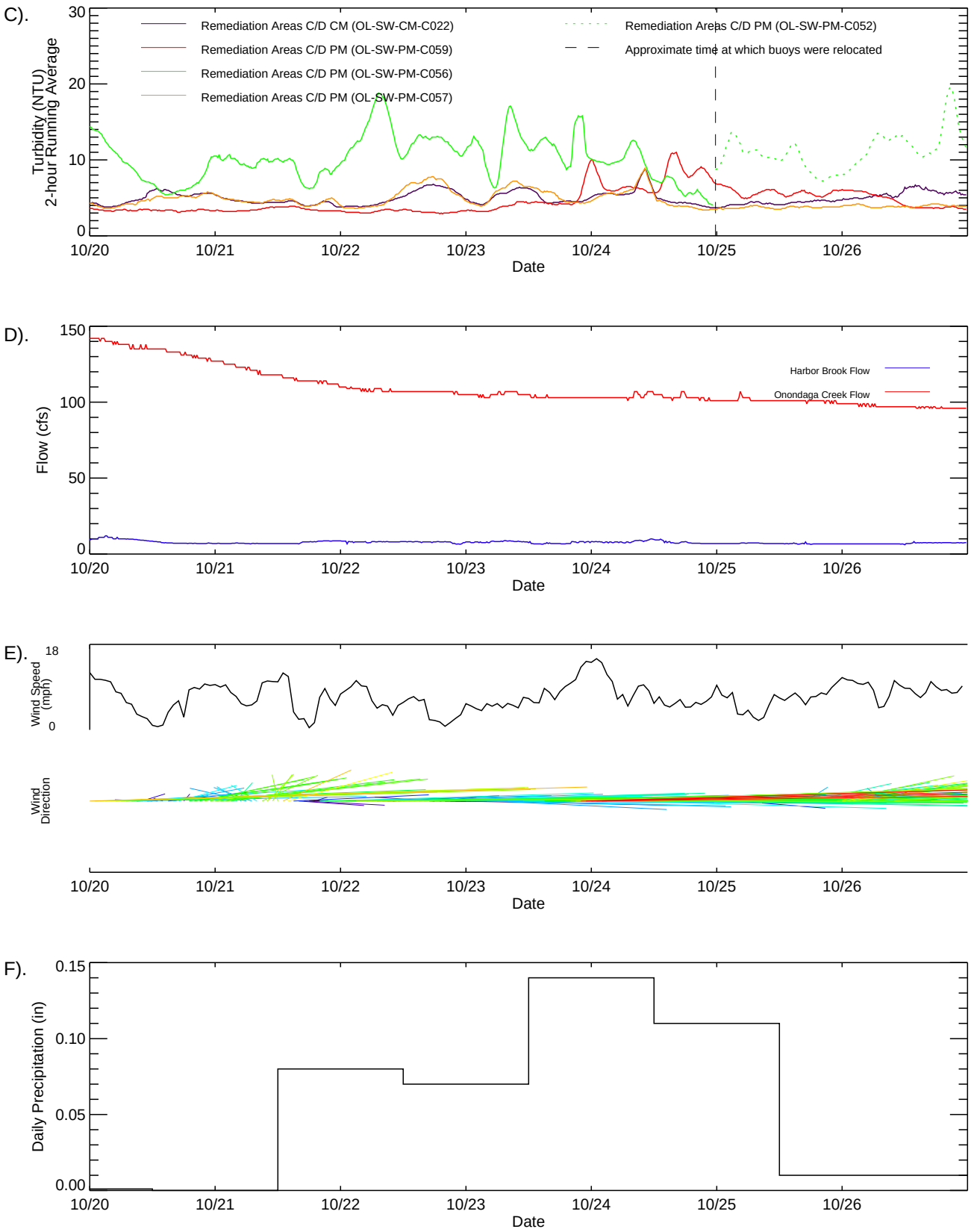
Flow data from USGS location 04240120 - Ley Creek.

Remediation Area D Dredging
Sample week: 10/20/2013 - 10/26/2013



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

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Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
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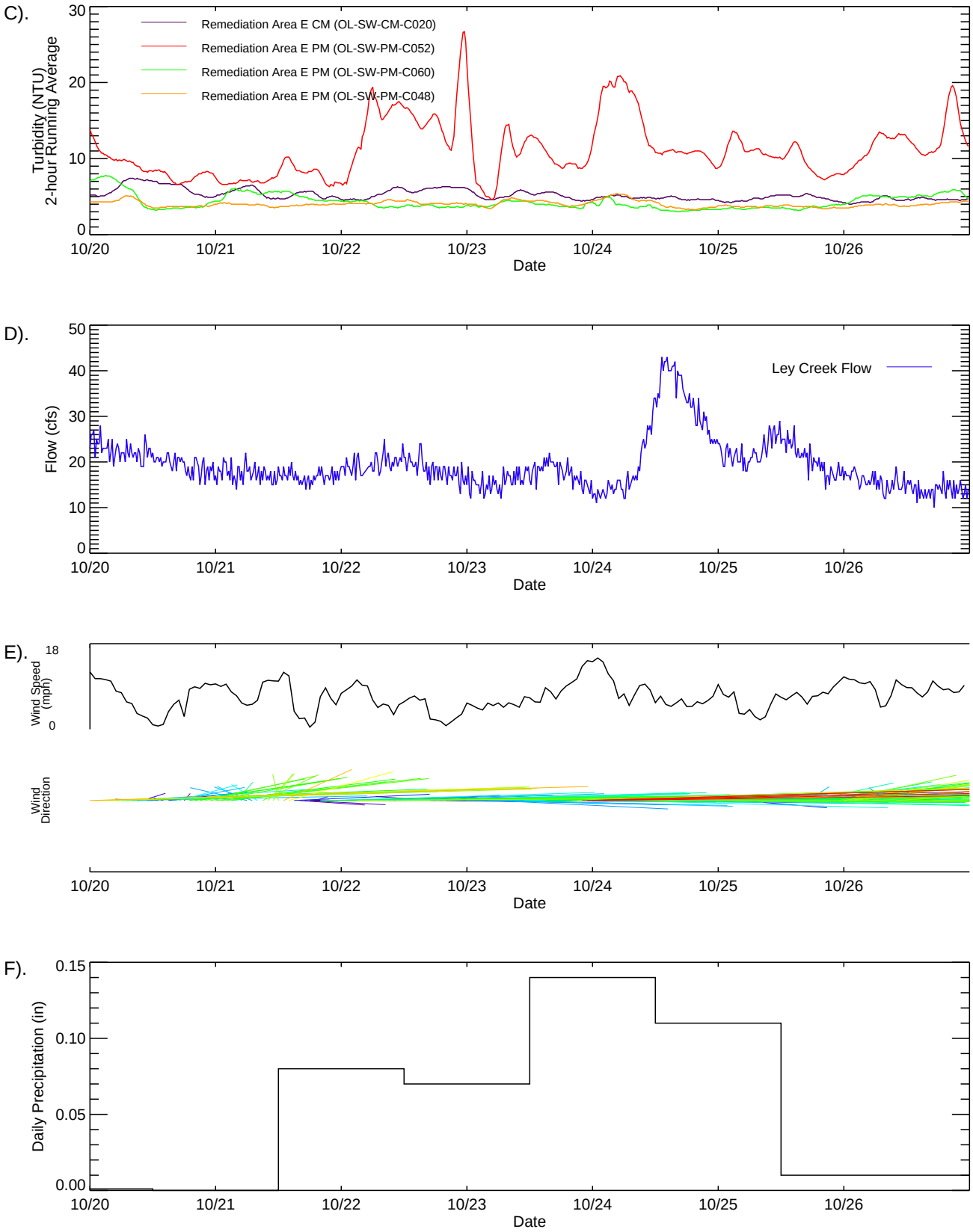
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

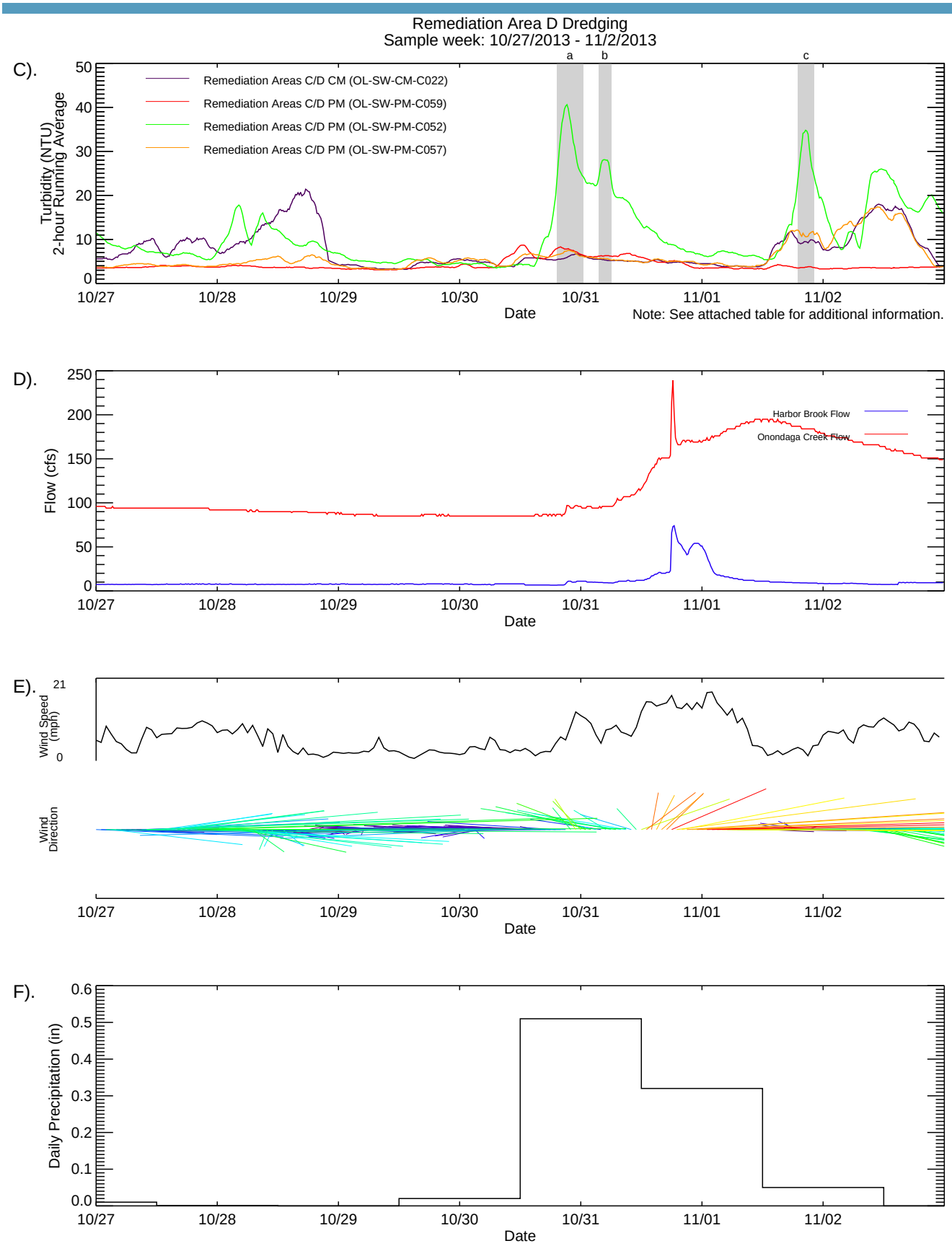
Remediation Area E/SMU 8 Capping
Sample week: 10/20/2013 - 10/26/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240120 - Ley Creek.



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

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Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

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ANCHOR QEA

Honeywell

2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
October 27 to November 2, 2013

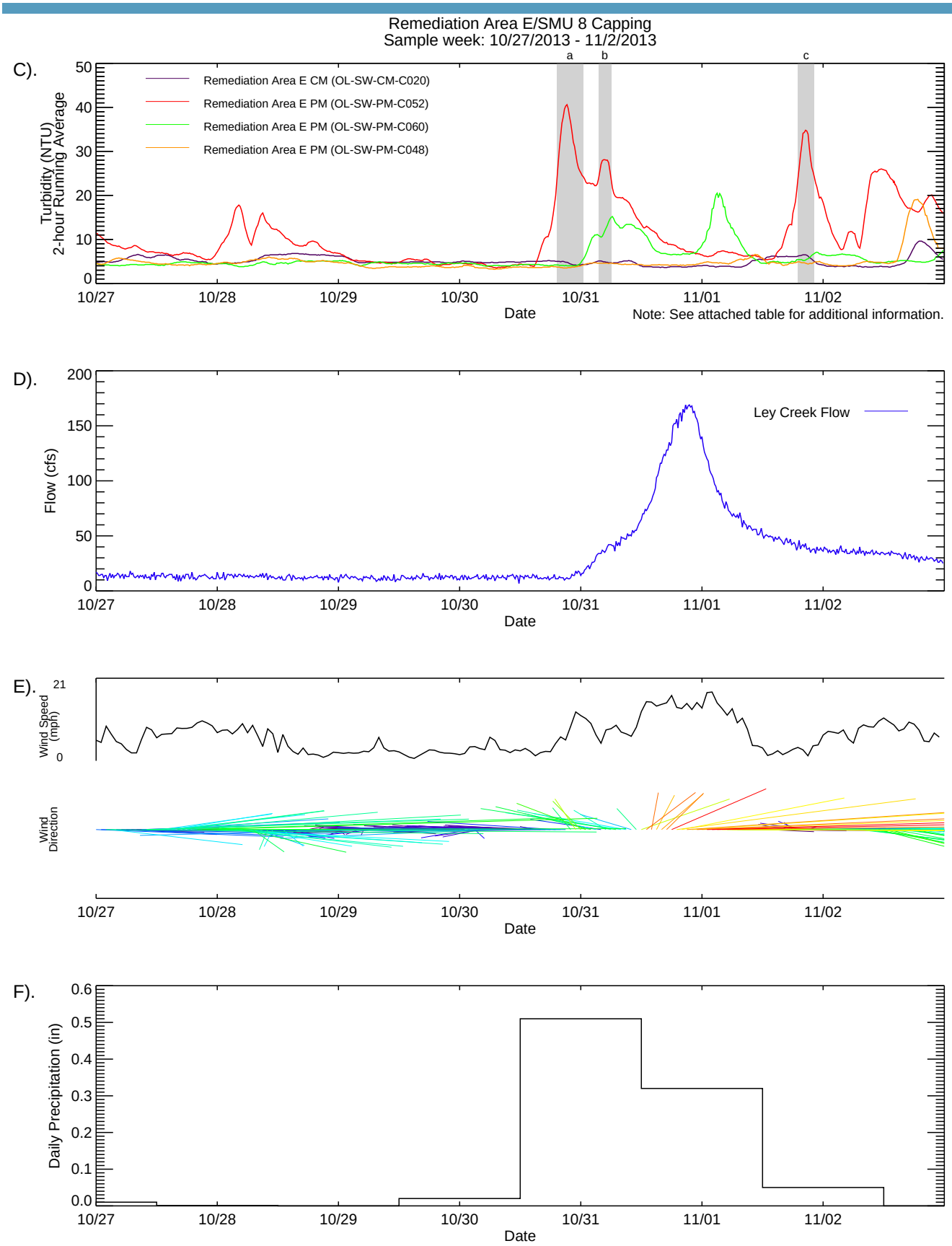
Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	10/31/2013	10	OL-SW-PM-C052	Remediation Areas C/D PM	7:15	12:30	Brief elevated turbidity values a result of hydraulic capping operations in the vicinity.
b	10/31/2013				15:30	18:00	
c	11/2/2013				7:00	10:15	

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedences of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

2 The 2-hour running average turbidity plot provides a depiction of turbidity trends for evaluation of alert and action levels.

NTU - Nephelometric Turbidity Units



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240120 - Ley Creek.

MCS - \\helios\aq\D_Drive\Projects\Honeywell\Onondaga_Lake_CQA_Comp_Monitoring(120287)\Analysis\Realtime_data\prep\weekly\OL_wq_const_mon_2013_nov_RA_E_weekly_20131102.pro Tue Jan 28 11:38:53 2014

ANCHOR QEA

Honeywell

2013 Continuous Turbidity Data Notes
Remediation Area E Capping
October 27 to November 2, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	10/31/2013	10	OL-SW-PM-C052	Remediation Area E PM	7:15	12:30	Brief elevated turbidity values a result of hydraulic capping operations in the vicinity.
b	10/31/2013				15:30	18:00	
c	11/2/2013				7:00	10:15	

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedances of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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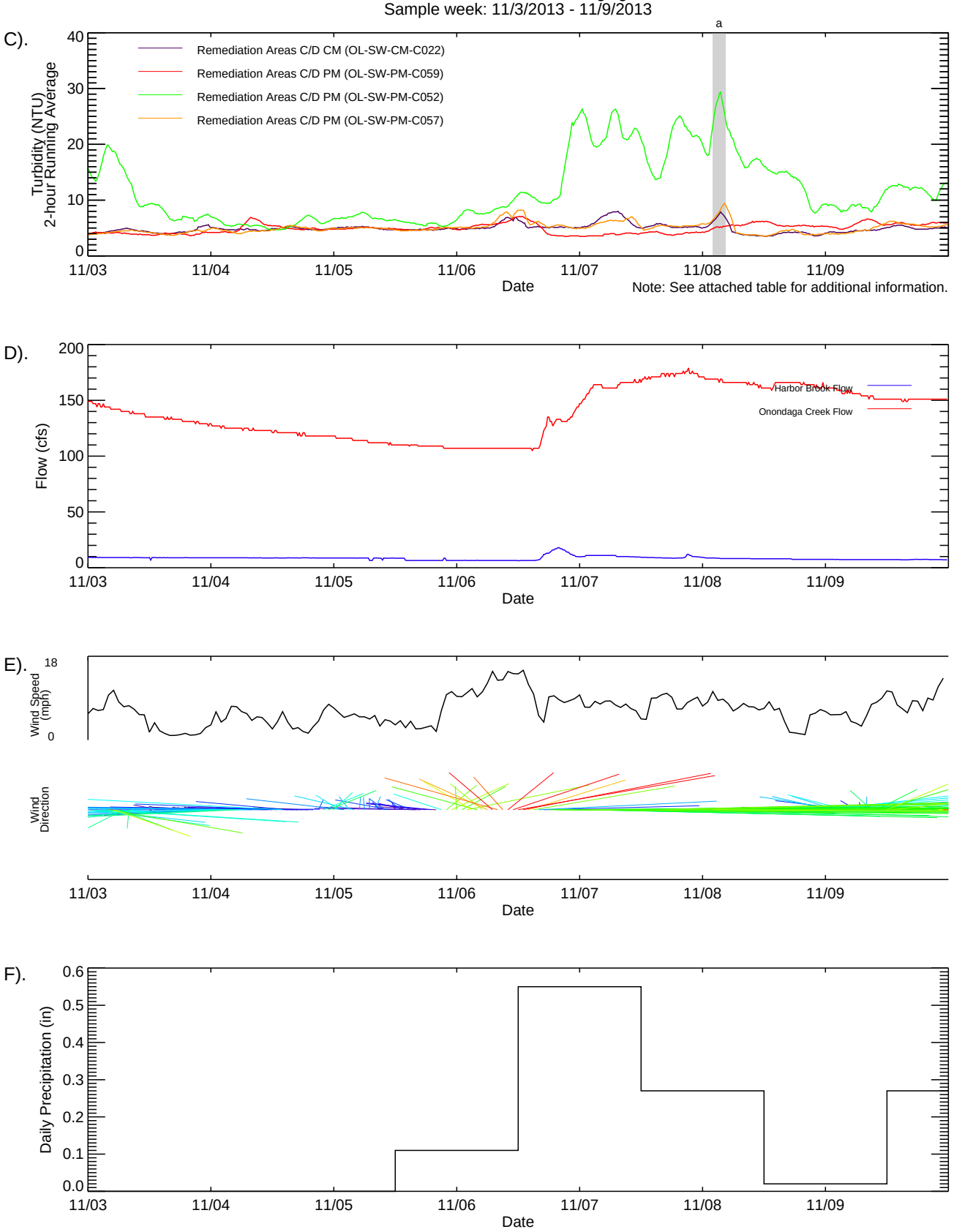
NTU - Nephelometric Turbidity Units

Remediation Area D Dredging
Sample week: 11/3/2013 - 11/9/2013



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
November 3 to November 9, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/8/2013	10	OL-SW-PM-C052	Remediation Areas C/D PM	14:00	16:30	Brief elevated turbidity values likely a result of precipitation, wind and tributary inflow.

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedences of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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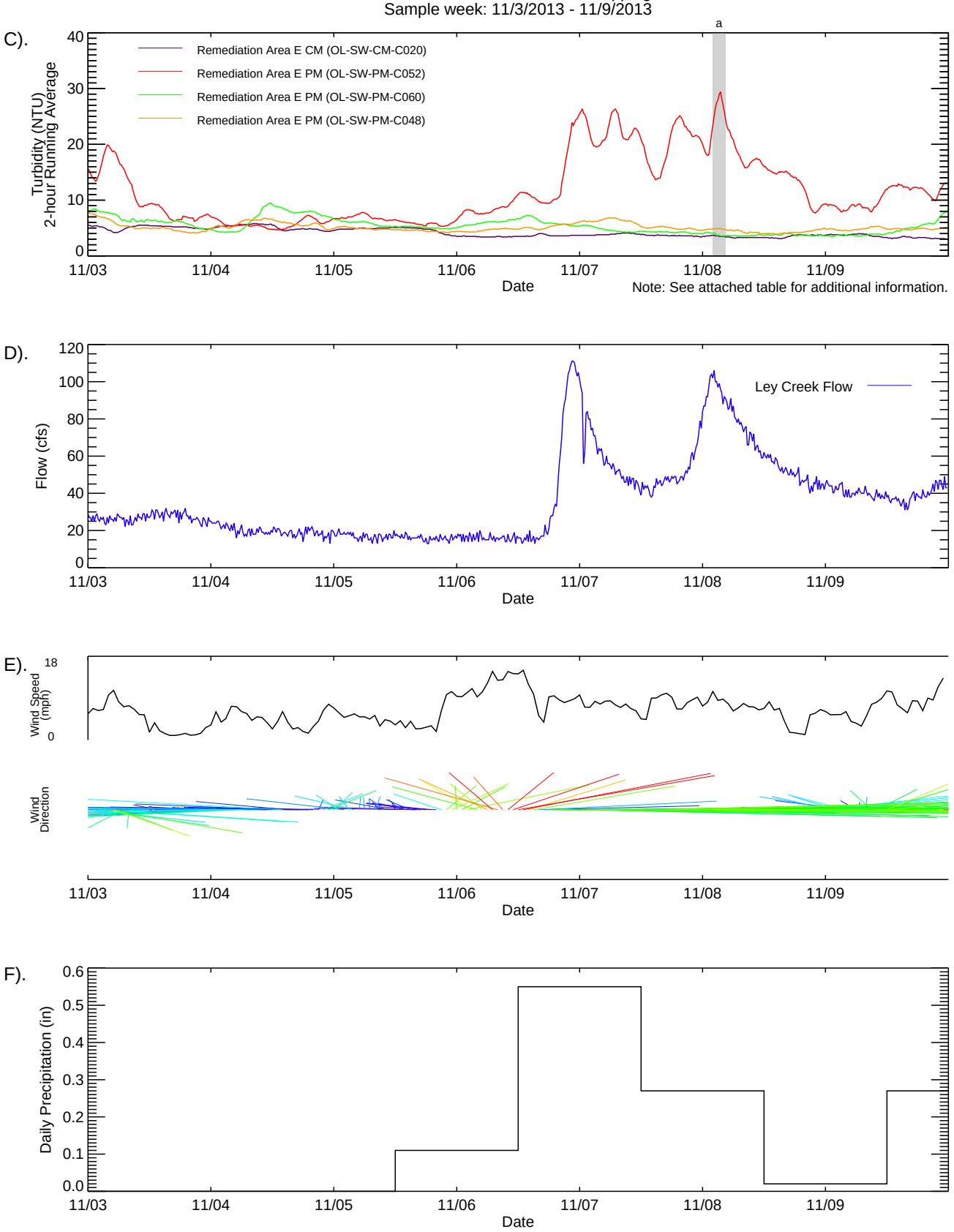
NTU - Nephelometric Turbidity Units

Remediation Area E/SMU 8 Capping
Sample week: 11/3/2013 - 11/9/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

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Flow data from USGS location 04240120 - Ley Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area E Capping
November 3 to November 9, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/8/2013	10	OL-SW-PM-C052	Remediation Area E PM	14:00	16:30	Brief elevated turbidity values likely a result of precipitation, wind, and tributary inflow.

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedances of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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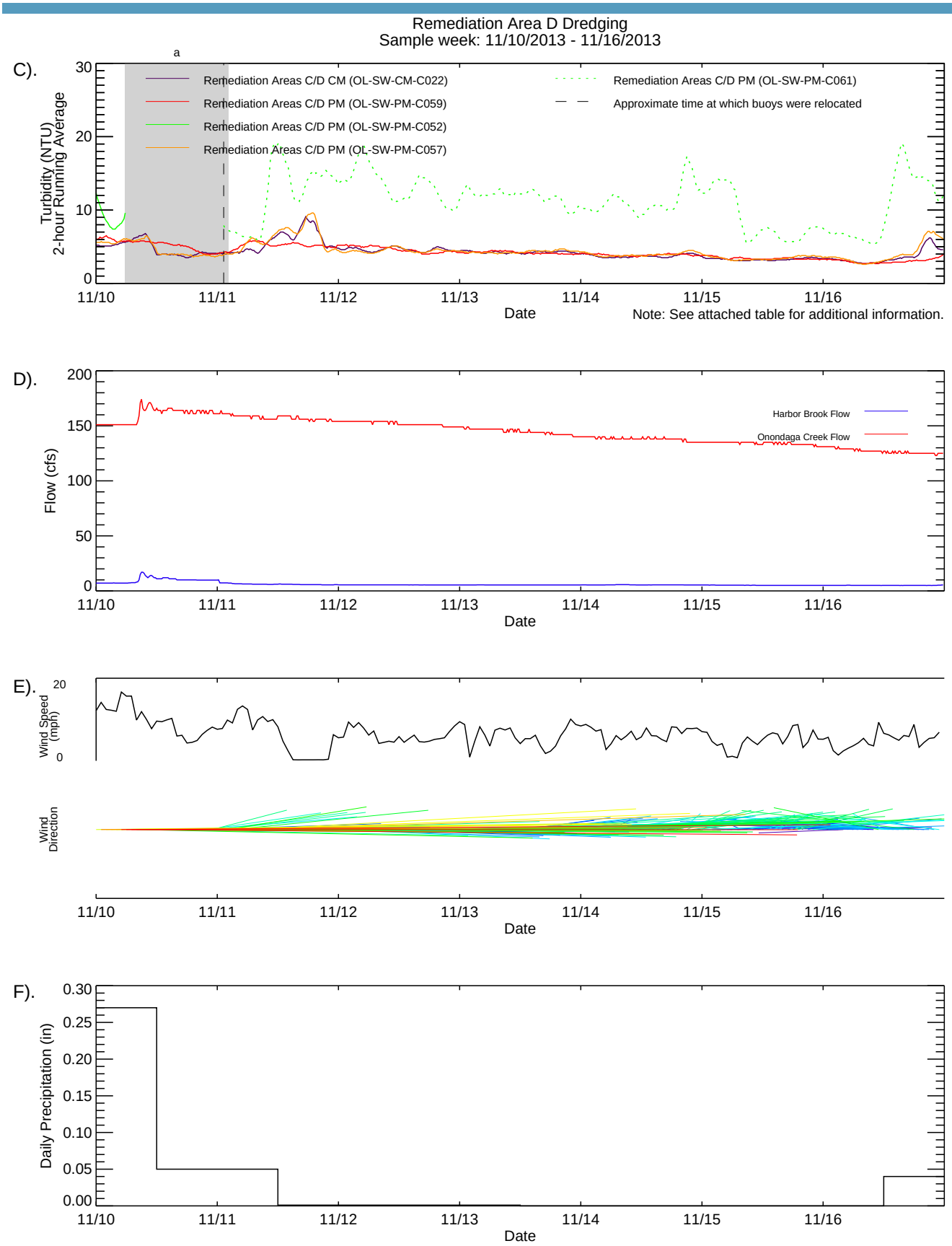

Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
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Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
November 10 to November 16, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/10/2013	10	OL-SW-PM-C052	Remediation Areas C/D PM	--	17:45	Buoy submerged due to contact with equipment on the lake. Removed from water on 11/11/2013.
	11/11/2013	11	OL-SW-PM-C061	Remediation Areas C/D PM	14:15	--	Buoy 11 relocated from Remediation Area E (OL-SW-PM-C060) to fill monitoring role.

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedences of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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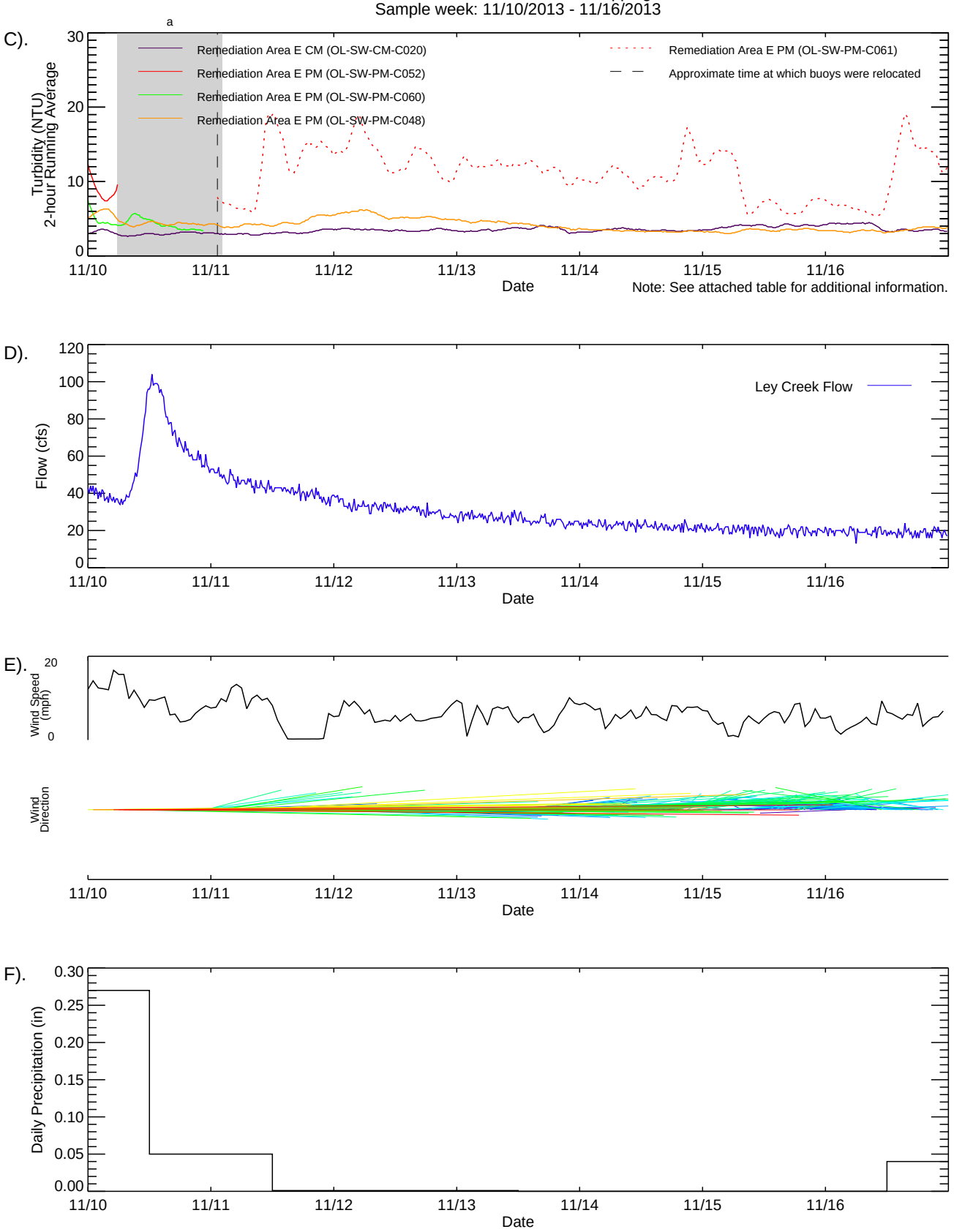
Remediation Area E/SMU 8 Capping
Sample week: 11/10/2013 - 11/16/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240120 - Ley Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area E Capping
November 10 to November 16, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/10/2013	10	OL-SW-PM-C052	Remediation Area E PM	--	17:45	Buoy submerged due to contact with equipment on the lake. Removed from water on 11/11/2013.
	11/11/2013	11	OL-SW-PM-C061	Remediation Area E PM	14:15	--	Buoy 11 relocated from OL-SW-PM-C060 to fill monitoring role.
--	11/11/2013	11	OL-SW-PM-C060	Remediation Area E PM	--	11:30	Buoy relocated to OL-SW-PM-C061.

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedances of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

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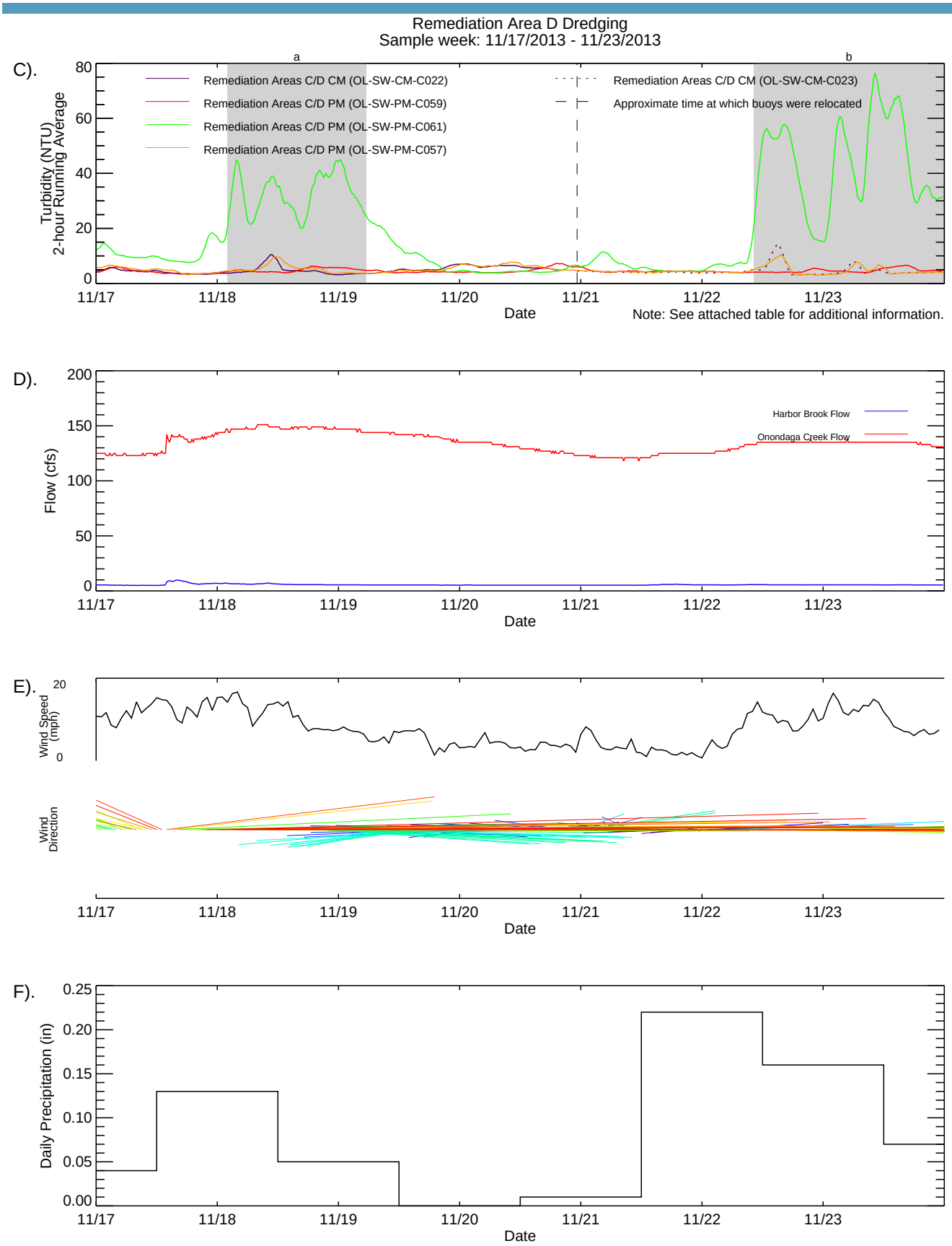
NTU - Nephelometric Turbidity Units



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
November 17 to November 23, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/18/2013	11	OL-SW-PM-C061	Remediation Areas C/D PM	14:00	--	Elevated turbidity likely a result of high winds and wave action. Visual inspection not performed due to safety concerns.
	11/19/2013				--	17:30	
b	11/22/2013	11	OL-SW-PM-C061	Remediation Areas C/D PM	22:15	--	Elevated turbidity likely a result of high winds and wave action.
	11/24/2013				--	12:00	

Notes:

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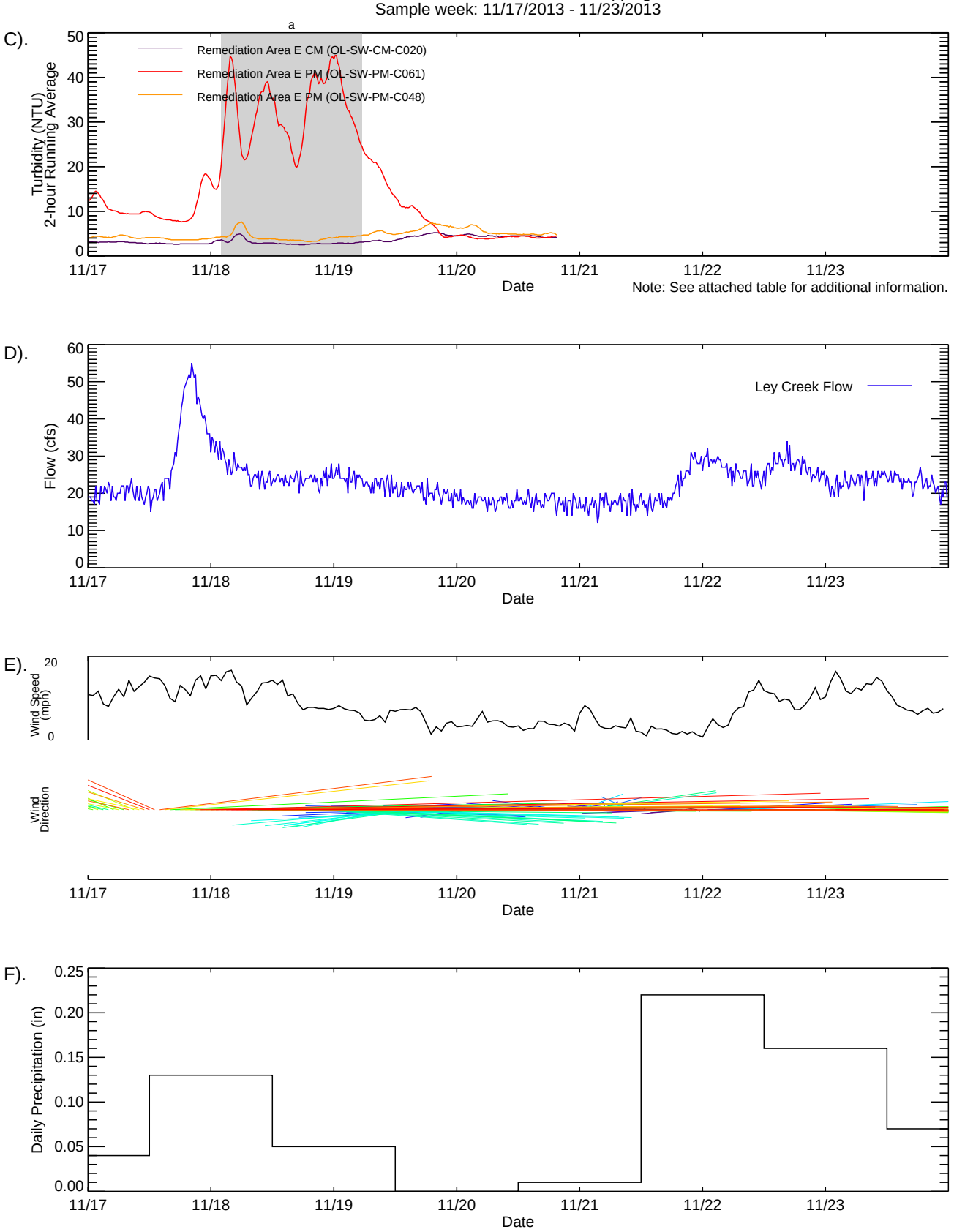
NTU - Nephelometric Turbidity Units

Remediation Area E/SMU 8 Capping
Sample week: 11/17/2013 - 11/23/2013



Real-time Turbidity - Remediation Area E/SMU 8 Capping

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

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Flow data from USGS location 04240120 - Ley Creek.

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2013 Continuous Turbidity Data Notes
Remediation Area E Capping
November 17 to November 23, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/18/2013	11	OL-SW-PM-C061	Remediation Area E PM	14:00	--	Elevated turbidity likely a result of high winds and wave action. Visual inspection not performed due to safety concerns.
	11/19/2013				--	17:30	
--	11/21/2013	9	OL-SW-CM-C020	Remediation Area E CM	--	8:30	Active operations concluded in this area; buoy removed from the water.
--	11/21/2013	12	OL-SW-PM-C048	Remediation Area E PM	--	8:30	
--	11/21/2013	11	OL-SW-PM-C061	Remediation Area E PM	--	8:30	Active operations concluded in this area; buoy now monitoring Remediation Areas C/D operations only.

Notes:

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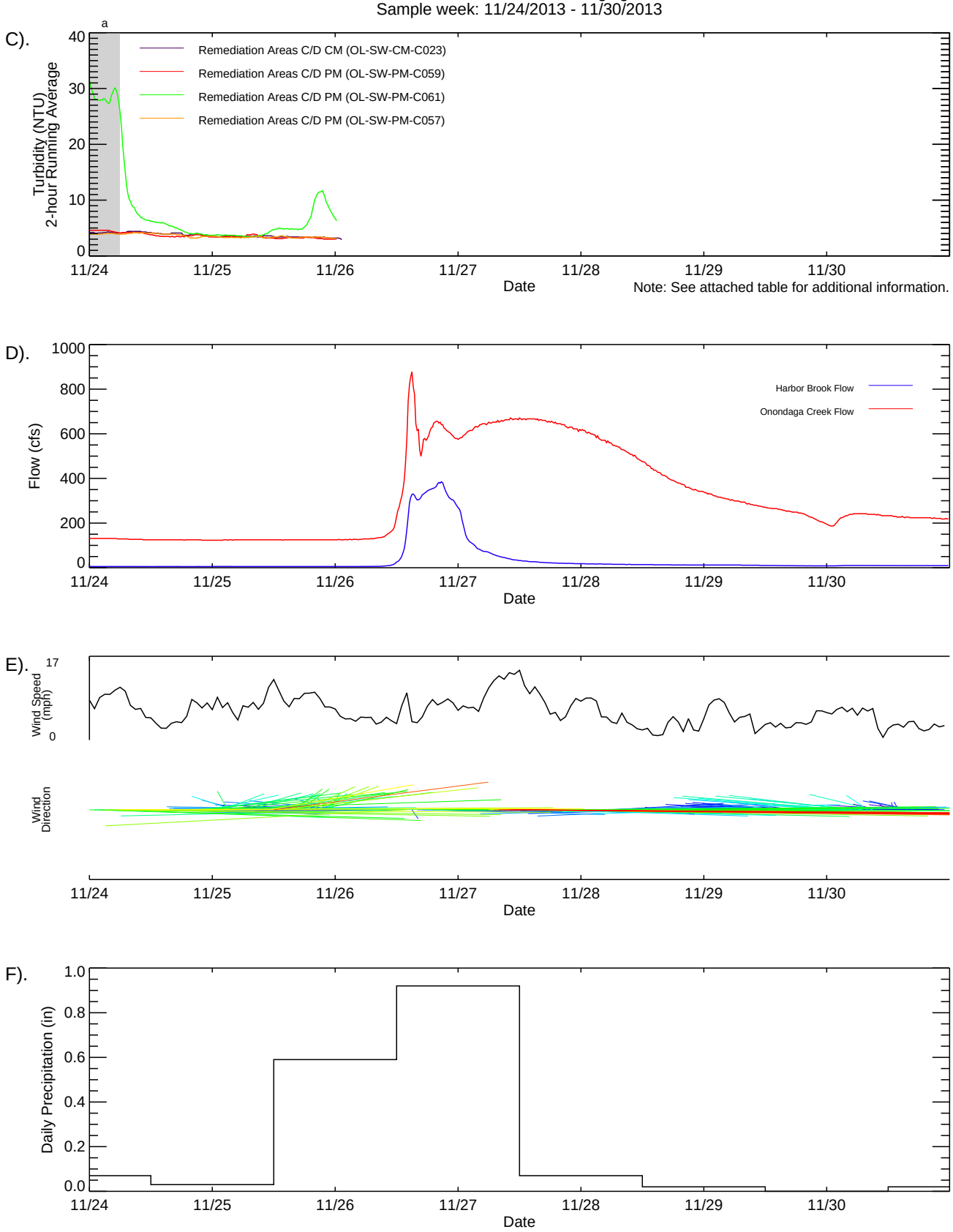
NTU - Nephelometric Turbidity Units

Remediation Area D Dredging
Sample week: 11/24/2013 - 11/30/2013



Real-time Turbidity - Remediation Area D Dredging

Continuous Turbidity Data Temporal Plot Compared to Meteorological Conditions
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

ANCHOR QEA

Notes: Precipitation data from Syracuse, NY, Hancock International Airport NOAA weather station.
Wind data recorded hourly at Lakeshore/Willis Ave. meteorological site (provided by Parsons).
Orientation of wind direction line indicates direction toward which wind is blowing, where up is north. Line color indicates wind speed.
Flow data from USGS location 04240105 - Harbor Brook and USGS Location 04240010 - Onondaga Creek.

MCS - \\helios\aq\D_Drive\Projects\Honeywell\Onondaga_Lake_CQA_Comp_Monitoring(120287)\Analysis\Realtime_data\prep\weekly\OL_wq_const_mon_2013_nov_RA_CD_weekly_20131130.pro Tue Jan 28 11:38:16 2014

ANCHOR QEA

Honeywell

2013 Continuous Turbidity Data Notes
Remediation Area D Dredging
November 24 to November 30, 2013

Notation on Graph	Date	Buoy Number	Location ID	Monitoring Role	Time Start	Time End	Notes
a	11/24/2013	11	OL-SW-PM-C061	Remediation Areas C/D PM	12:00	18:00	Elevated turbidity likely a result of high winds and wave action.
--	11/26/2013	12	OL-SW-CM-C023	Remediation Areas C/D CM	--	14:31	Buoys removed from water for the season due to icy conditions and resulting safety hazards that these conditions pose for those that maintain them.
--	11/26/2013	5	OL-SW-PM-C057	Remediation Areas C/D PM	--	13:31	
--	11/26/2013	2	OL-SW-PM-C059	Remediation Areas C/D PM	--	13:16	
--	11/26/2013	11	OL-SW-PM-C061	Remediation Areas C/D PM	--	13:46	

Notes:

1 This table provides explanatory notes as needed to supplement the Real-time Turbidity plots. The notations on the graph correspond to the notations shown in the table. These notes may include but are not limited to missing or anomalous data, information pertaining to exceedences of the alert levels (i.e., 25 NTU above background), water quality monitoring equipment maintenance, and correspondence with the New York State Department of Environmental Conservation.

2 The 2-hour running average turbidity plot provides a depiction of turbidity trends for evaluation of alert and action levels.

NTU - Nephelometric Turbidity Units

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Acenaphthene	0.018	ug/L	J	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Acenaphthene	0.2	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Acenaphthene	0.2	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Acenaphthene	0.014	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Acenaphthene	0.014	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Acenaphthene	0.014	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Acenaphthene	0.014	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Acenaphthene	0.2	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Acenaphthene	0.04	ug/L	J	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Acenaphthene	0.057	ug/L	J	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Acenaphthene	0.026	ug/L	J	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Acenaphthene	0.2	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Acenaphthene	0.2	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Acenaphthene	0.021	ug/L	J	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Acenaphthene	0.21	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Acenaphthene	0.19	ug/L	UJ	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Acenaphthene	0.2	ug/L	UJ	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Acenaphthene	0.014	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Acenaphthene	0.014	ug/L	U	FD	Y	48	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Acenaphthene	0.2	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Acenaphthene	0.2	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Acenaphthene	0.19	ug/L	U	REG	Y	48	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Acenaphthene	0.19	ug/L	U	FD	Y	48	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Anthracene	0.2	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Anthracene	0.2	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Anthracene	0.015	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Anthracene	0.015	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Anthracene	0.015	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Anthracene	0.015	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Anthracene	0.2	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Anthracene	0.016	ug/L	J	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Anthracene	0.018	ug/L	J	FD	Y	35	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Anthracene	0.2	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Anthracene	0.2	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Anthracene	0.03	ug/L	J	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Anthracene	0.21	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Anthracene	0.19	ug/L	UJ	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Anthracene	0.2	ug/L	UJ	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Anthracene	0.015	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Anthracene	0.015	ug/L	U	FD	Y	35	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Anthracene	0.2	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Anthracene	0.2	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Anthracene	0.19	ug/L	U	REG	Y	35	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Anthracene	0.19	ug/L	U	FD	Y	35	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Benzene	0.32	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Benzene	0.38	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Benzene	0.19	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Benzene	0.18	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Benzene	0.26	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Benzene	0.23	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Benzene	0.77	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Benzene	0.68	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Benzene	0.26	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Benzene	0.16	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Benzene	0.28	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Benzene	0.22	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Benzene	1.2	ug/L		REG	Y	760	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Benzene	1.5	ug/L		FD	Y	760	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Benzene	0.26	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Benzene	0.22	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Benzene	0.11	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Benzene	0.11	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Benzene	0.46	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Benzene	0.42	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L

Notes:
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Benzene	0.41	ug/L	J	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Benzene	0.43	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Benzene	0.62	ug/L	J	FD	Y	760	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Benzene	5.9	ug/L		REG	Y	760	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Benzene	6.4	ug/L		FD	Y	760	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Benzene	0.41	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Benzene	0.41	ug/L	U	FD	Y	760	ug/L

Notes:
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Benzene	1	ug/L	U	REG	Y	760	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Benzene	1	ug/L	U	FD	Y	760	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Benzo(a)anthracene	0.065	ug/L	J	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Benzo(a)anthracene	0.045	ug/L	J	FD	Y	0.23	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Benzo(a)anthracene	0.2	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Benzo(a)anthracene	0.2	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Benzo(a)anthracene	0.014	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Benzo(a)anthracene	0.014	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Benzo(a)anthracene	0.1	ug/L	J	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Benzo(a)anthracene	0.014	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Benzo(a)anthracene	0.014	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Benzo(a)anthracene	0.2	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Benzo(a)anthracene	0.2	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Benzo(a)anthracene	0.2	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Benzo(a)anthracene	0.043	ug/L	J	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Benzo(a)anthracene	0.066	ug/L	J	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Benzo(a)anthracene	0.21	ug/L	J	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Benzo(a)anthracene	0.21	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Benzo(a)anthracene	0.21	ug/L	J	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Benzo(a)anthracene	0.2	ug/L	UJ	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Benzo(a)anthracene	0.092	ug/L	J	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Benzo(a)anthracene	0.014	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Benzo(a)anthracene	0.014	ug/L	U	FD	Y	0.23	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Benzo(a)anthracene	0.2	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Benzo(a)anthracene	0.2	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Benzo(a)anthracene	0.19	ug/L	U	REG	Y	0.23	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Benzo(a)anthracene	0.19	ug/L	U	FD	Y	0.23	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Dissolved Mercury	0.00046	ug/L	J	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Dissolved Mercury	0.00044	ug/L	J	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Dissolved Mercury	0.0005	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Dissolved Mercury	0.0005	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Dissolved Mercury	0.00063	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Dissolved Mercury	0.00053	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Dissolved Mercury	0.00064	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Dissolved Mercury	0.00068	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Dissolved Mercury	0.0012	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Dissolved Mercury	0.00096	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Dissolved Mercury	0.0011	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Dissolved Mercury	0.001	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Dissolved Mercury	0.00078	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Dissolved Mercury	0.00071	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Dissolved Mercury	0.0005	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Dissolved Mercury	0.00089	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Dissolved Mercury	0.0011	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Dissolved Mercury	0.0011	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Dissolved Mercury	0.0013	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Dissolved Mercury	0.0018	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Dissolved Mercury	0.0013	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Dissolved Mercury	0.00093	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Dissolved Mercury	0.0015	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Dissolved Mercury	0.0012	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Dissolved Mercury	0.00082	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Dissolved Mercury	0.00085	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Dissolved Mercury	0.001	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Dissolved Mercury	0.00086	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Dissolved Mercury	0.00094	ug/L	U	REG	Y	1.4	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Dissolved Mercury	0.00074	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Dissolved Mercury	0.00081	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Dissolved Mercury	0.00057	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Dissolved Mercury	0.00052	ug/L	J	REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Dissolved Mercury	0.00038	ug/L	J	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Dissolved Mercury	0.0031	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Dissolved Mercury	0.003	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Dissolved Mercury	0.0006	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Dissolved Mercury	0.00047	ug/L	J	FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Dissolved Mercury	0.0037	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Dissolved Mercury	0.0041	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Dissolved Mercury	0.00099	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Dissolved Mercury	0.00082	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Dissolved Mercury	0.00054	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Dissolved Mercury	0.00052	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Dissolved Mercury	0.0013	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Dissolved Mercury	0.001	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Dissolved Mercury	0.0013	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Dissolved Mercury	0.0012	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Dissolved Mercury	0.0019	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Dissolved Mercury	0.0017	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Dissolved Mercury	0.0011	ug/L	J	REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Dissolved Mercury	0.0025	ug/L	J	FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Dissolved Mercury	0.0013	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Dissolved Mercury	0.0015	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Dissolved Mercury	0.00087	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Dissolved Mercury	0.00089	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Dissolved Mercury	0.00097	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Dissolved Mercury	0.00091	ug/L		FD	Y	1.4	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Dissolved Mercury	0.0031	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Dissolved Mercury	0.0032	ug/L		FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Dissolved Mercury	0.0013	ug/L	U	REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Dissolved Mercury	0.0016	ug/L	U	FD	Y	1.4	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Dissolved Mercury	0.0033	ug/L		REG	Y	1.4	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Dissolved Mercury	0.0032	ug/L		FD	Y	1.4	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Ethylbenzene	0.26	ug/L	J	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Ethylbenzene	0.23	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Ethylbenzene	0.23	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Ethylbenzene	0.23	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Ethylbenzene	0.23	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Ethylbenzene	0.27	ug/L	J	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Ethylbenzene	0.29	ug/L	J	FD	Y	150	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Ethylbenzene	0.98	ug/L	J	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Ethylbenzene	1.1	ug/L		FD	Y	150	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Ethylbenzene	0.74	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Ethylbenzene	0.74	ug/L	U	FD	Y	150	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Ethylbenzene	1	ug/L	U	REG	Y	150	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Ethylbenzene	1	ug/L	U	FD	Y	150	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Flourene	0.023	ug/L	J	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Flourene	0.2	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Flourene	0.2	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Flourene	0.021	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Flourene	0.021	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Flourene	0.021	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Flourene	0.021	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Flourene	0.025	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L

Notes:
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Flourene	0.2	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Flourene	0.086	ug/L	J	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Flourene	0.11	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Flourene	0.032	ug/L	J	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Flourene	0.034	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Flourene	0.057	ug/L	J	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Flourene	0.065	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Flourene	0.2	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Flourene	0.023	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Flourene	0.038	ug/L	J	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Flourene	0.21	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Flourene	0.19	ug/L	UJ	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Flourene	0.2	ug/L	UJ	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Flourene	0.021	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Flourene	0.021	ug/L	U	FD	Y	4.8	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Flourene	0.2	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Flourene	0.2	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Flourene	0.19	ug/L	U	REG	Y	4.8	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Flourene	0.19	ug/L	U	FD	Y	4.8	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Naphthalene	0.029	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Naphthalene	0.049	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Naphthalene	0.18	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Naphthalene	0.22	ug/L		FD	Y	110	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Naphthalene	0.041	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Naphthalene	0.042	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Naphthalene	3.5	ug/L		REG	Y	110	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Naphthalene	3.5	ug/L		FD	Y	110	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Naphthalene	0.19	ug/L		REG	Y	110	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Naphthalene	0.18	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Naphthalene	0.2	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Naphthalene	0.2	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Naphthalene	0.014	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Naphthalene	0.013	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Naphthalene	0.014	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Naphthalene	0.014	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Naphthalene	0.1	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Naphthalene	0.17	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Naphthalene	0.2	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Naphthalene	0.041	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Naphthalene	2.4	ug/L		REG	Y	110	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Naphthalene	2.6	ug/L		FD	Y	110	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Naphthalene	13	ug/L		REG	Y	110	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Naphthalene	14	ug/L		FD	Y	110	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Naphthalene	0.2	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Naphthalene	0.2	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Naphthalene	0.23	ug/L		FD	Y	110	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Naphthalene	0.095	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Naphthalene	0.067	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Naphthalene	0.78	ug/L		REG	Y	110	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Naphthalene	1.8	ug/L		FD	Y	110	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Naphthalene	0.16	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Naphthalene	0.15	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Naphthalene	0.11	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Naphthalene	0.11	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Naphthalene	0.013	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Naphthalene	0.013	ug/L	U	FD	Y	110	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Naphthalene	0.047	ug/L	J	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Naphthalene	0.59	ug/L	J	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Naphthalene	0.19	ug/L	U	REG	Y	110	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Naphthalene	0.19	ug/L	U	FD	Y	110	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Phenanthrene	0.2	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Phenanthrene	0.2	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Phenanthrene	0.041	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Phenanthrene	0.041	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Phenanthrene	0.041	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Phenanthrene	0.041	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Phenanthrene	0.2	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Phenanthrene	0.064	ug/L	J	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Phenanthrene	0.09	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Phenanthrene	0.057	ug/L	J	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Phenanthrene	0.05	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Phenanthrene	0.095	ug/L	J	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Phenanthrene	0.1	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Phenanthrene	0.2	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Phenanthrene	0.057	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Phenanthrene	0.11	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Phenanthrene	0.13	ug/L	J	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Phenanthrene	0.21	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Phenanthrene	0.19	ug/L	UJ	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Phenanthrene	0.2	ug/L	UJ	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Phenanthrene	0.041	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Phenanthrene	0.041	ug/L	U	FD	Y	45	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Phenanthrene	0.2	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Phenanthrene	0.2	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Phenanthrene	0.19	ug/L	U	REG	Y	45	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Phenanthrene	0.19	ug/L	U	FD	Y	45	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Pyrene	0.016	ug/L	J	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Pyrene	0.018	ug/L	J	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Pyrene	0.017	ug/L	J	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Pyrene	0.2	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Pyrene	0.2	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Pyrene	0.015	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Pyrene	0.015	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Pyrene	0.015	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Pyrene	0.015	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Pyrene	0.2	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Pyrene	0.021	ug/L	J	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Pyrene	0.015	ug/L	J	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Pyrene	0.2	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Pyrene	0.2	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Pyrene	0.015	ug/L	J	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Pyrene	0.031	ug/L	J	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Pyrene	0.07	ug/L	J	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Pyrene	0.21	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Pyrene	0.056	ug/L	J	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Pyrene	0.2	ug/L	UJ	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Pyrene	0.015	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Pyrene	0.015	ug/L	U	FD	Y	42	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Pyrene	0.2	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Pyrene	0.2	ug/L	U	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Pyrene	0.19	ug/L	UJ	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Pyrene	0.19	ug/L	UJ	FD	Y	42	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Pyrene	0.19	ug/L	U	REG	Y	42	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Pyrene	0.19	ug/L	U	FD	Y	42	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Toluene	0.6	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Toluene	0.55	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Toluene	0.33	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Toluene	0.39	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Toluene	1.6	ug/L		REG	Y	480	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Toluene	1.5	ug/L		FD	Y	480	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Toluene	0.26	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Toluene	0.29	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Toluene	0.34	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Toluene	0.32	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Toluene	1.1	ug/L		REG	Y	480	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Toluene	1.2	ug/L		FD	Y	480	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Toluene	0.23	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Toluene	0.15	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Toluene	0.15	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Toluene	0.15	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Toluene	0.36	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Toluene	0.36	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Toluene	0.96	ug/L	J	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Toluene	0.94	ug/L	J	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Toluene	1.3	ug/L		REG	Y	480	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Toluene	1.5	ug/L		FD	Y	480	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Toluene	3.1	ug/L		REG	Y	480	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Toluene	3.3	ug/L		FD	Y	480	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Toluene	0.51	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Toluene	0.51	ug/L	U	FD	Y	480	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Toluene	1	ug/L	U	REG	Y	480	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Toluene	1	ug/L	U	FD	Y	480	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1860-04	4/18/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1861-03	4/25/2013	Total Xylenes	1.2	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1861-04	4/25/2013	Total Xylenes	1	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1862-02	5/1/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1862-03	5/1/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1863-03	5/8/2013	Total Xylenes	1.2	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1863-04	5/8/2013	Total Xylenes	1.5	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1864-03	5/15/2013	Total Xylenes	5.7	ug/L		REG	Y	590	ug/L
OL-SW-CM-C014	OL-1864-04	5/15/2013	Total Xylenes	5.1	ug/L		FD	Y	590	ug/L
OL-SW-CM-C014	OL-1865-03	5/22/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1865-04	5/22/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1866-03	5/31/2013	Total Xylenes	1.2	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1866-04	5/31/2013	Total Xylenes	1.5	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1867-03	6/5/2013	Total Xylenes	1.4	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1867-04	6/5/2013	Total Xylenes	1.5	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C014	OL-1868-03	6/12/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C014	OL-1868-04	6/12/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1869-03	6/19/2013	Total Xylenes	1.1	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1869-04	6/19/2013	Total Xylenes	1.2	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1870-03	6/27/2013	Total Xylenes	2.1	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1870-04	6/27/2013	Total Xylenes	2.1	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1871-03	7/2/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1871-04	7/2/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1872-03	7/11/2013	Total Xylenes	0.49	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1872-04	7/11/2013	Total Xylenes	0.49	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1873-03	7/17/2013	Total Xylenes	3	ug/L		REG	Y	590	ug/L
OL-SW-CM-C021	OL-1873-04	7/17/2013	Total Xylenes	3	ug/L		FD	Y	590	ug/L
OL-SW-CM-C021	OL-1874-03	7/24/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L

Notes:
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J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1875-03	7/31/2013	Total Xylenes	2.7	ug/L	J	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1875-04	7/31/2013	Total Xylenes	2.6	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1876-03	8/7/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1876-04	8/7/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1877-03	8/14/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1877-04	8/14/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C021	OL-1878-03	8/21/2013	Total Xylenes	7.1	ug/L		REG	Y	590	ug/L
OL-SW-CM-C021	OL-1878-04	8/21/2013	Total Xylenes	8.7	ug/L		FD	Y	590	ug/L
OL-SW-CM-C021	OL-1879-03	8/27/2013	Total Xylenes	18	ug/L		REG	Y	590	ug/L
OL-SW-CM-C021	OL-1879-04	8/27/2013	Total Xylenes	22	ug/L		FD	Y	590	ug/L
OL-SW-CM-C021	OL-1880-03	9/5/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C021	OL-1880-04	9/5/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1881-03	9/11/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1881-04	9/11/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1882-03	9/18/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1882-04	9/18/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1883-03	9/25/2013	Total Xylenes	3	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1883-04	9/25/2013	Total Xylenes	3	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1884-03	10/2/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1884-04	10/2/2013	Total Xylenes	2	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1885-03	10/9/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1885-04	10/9/2013	Total Xylenes	0.69	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1886-03	10/16/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1886-04	10/16/2013	Total Xylenes	2	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1887-03	10/23/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1887-04	10/23/2013	Total Xylenes	0.7	ug/L	J	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1888-03	10/30/2013	Total Xylenes	0.66	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1888-04	10/30/2013	Total Xylenes	0.66	ug/L	U	FD	Y	590	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1889-04	11/6/2013	Total Xylenes	2	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1890-03	11/13/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1890-04	11/13/2013	Total Xylenes	2	ug/L	U	FD	Y	590	ug/L
OL-SW-CM-C022	OL-1891-03	11/20/2013	Total Xylenes	2	ug/L	U	REG	Y	590	ug/L
OL-SW-CM-C022	OL-1891-04	11/20/2013	Total Xylenes	2	ug/L	U	FD	Y	590	ug/L

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Total Mercury	0.0013	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1860-04	4/18/2013	Total Mercury	0.0015	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1861-03	4/25/2013	Total Mercury	0.0022	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1861-04	4/25/2013	Total Mercury	0.002	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1862-02	5/1/2013	Total Mercury	0.0011	ug/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1862-03	5/1/2013	Total Mercury	0.001	ug/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1863-03	5/8/2013	Total Mercury	0.0031	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1863-04	5/8/2013	Total Mercury	0.0031	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1864-03	5/15/2013	Total Mercury	0.0046	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1864-04	5/15/2013	Total Mercury	0.0046	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1865-03	5/22/2013	Total Mercury	0.0018	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1865-04	5/22/2013	Total Mercury	0.0018	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1866-03	5/31/2013	Total Mercury	0.0026	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1866-04	5/31/2013	Total Mercury	0.0027	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1867-03	6/5/2013	Total Mercury	0.0067	ug/L		REG	Y	--	--
OL-SW-CM-C014	OL-1867-04	6/5/2013	Total Mercury	0.0073	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1868-03	6/12/2013	Total Mercury	0.0025	ug/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1868-04	6/12/2013	Total Mercury	0.0074	ug/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1869-03	6/19/2013	Total Mercury	0.0024	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1869-04	6/19/2013	Total Mercury	0.0022	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1870-03	6/27/2013	Total Mercury	0.0039	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1870-04	6/27/2013	Total Mercury	0.0027	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1871-03	7/2/2013	Total Mercury	0.0044	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1871-04	7/2/2013	Total Mercury	0.0037	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1872-03	7/11/2013	Total Mercury	0.0044	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1872-04	7/11/2013	Total Mercury	0.0041	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1873-03	7/17/2013	Total Mercury	0.0042	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1873-04	7/17/2013	Total Mercury	0.0039	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1874-03	7/24/2013	Total Mercury	0.0077	ug/L		REG	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Total Mercury	0.0079	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1875-03	7/31/2013	Total Mercury	0.0054	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1875-04	7/31/2013	Total Mercury	0.0054	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1876-03	8/7/2013	Total Mercury	0.0021	ug/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1876-04	8/7/2013	Total Mercury	0.0012	ug/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1877-03	8/14/2013	Total Mercury	0.0045	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1877-04	8/14/2013	Total Mercury	0.0047	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1878-03	8/21/2013	Total Mercury	0.0038	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1878-04	8/21/2013	Total Mercury	0.003	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1879-03	8/27/2013	Total Mercury	0.015	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1879-04	8/27/2013	Total Mercury	0.018	ug/L		FD	Y	--	--
OL-SW-CM-C021	OL-1880-03	9/5/2013	Total Mercury	0.0035	ug/L		REG	Y	--	--
OL-SW-CM-C021	OL-1880-04	9/5/2013	Total Mercury	0.0032	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1881-03	9/11/2013	Total Mercury	0.0027	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1881-04	9/11/2013	Total Mercury	0.0025	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1882-03	9/18/2013	Total Mercury	0.0043	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1882-04	9/18/2013	Total Mercury	0.0039	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1883-03	9/25/2013	Total Mercury	0.0023	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1883-04	9/25/2013	Total Mercury	0.0024	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1884-03	10/2/2013	Total Mercury	0.0031	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1884-04	10/2/2013	Total Mercury	0.0031	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1885-03	10/9/2013	Total Mercury	0.0049	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1885-04	10/9/2013	Total Mercury	0.0052	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1886-03	10/16/2013	Total Mercury	0.0041	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1886-04	10/16/2013	Total Mercury	0.0043	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1887-03	10/23/2013	Total Mercury	0.011	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1887-04	10/23/2013	Total Mercury	0.011	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1888-03	10/30/2013	Total Mercury	0.0062	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1888-04	10/30/2013	Total Mercury	0.0058	ug/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Total Mercury	0.0068	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1889-04	11/6/2013	Total Mercury	0.007	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1890-03	11/13/2013	Total Mercury	0.0061	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1890-04	11/13/2013	Total Mercury	0.0058	ug/L		FD	Y	--	--
OL-SW-CM-C022	OL-1891-03	11/20/2013	Total Mercury	0.012	ug/L		REG	Y	--	--
OL-SW-CM-C022	OL-1891-04	11/20/2013	Total Mercury	0.012	ug/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Total Phosphorus	0.0051	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1860-04	4/18/2013	Total Phosphorus	0.011	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1861-03	4/25/2013	Total Phosphorus	0.0028	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1861-04	4/25/2013	Total Phosphorus	0.004	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C014	OL-1862-02	5/1/2013	Total Phosphorus	0.0071	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1862-03	5/1/2013	Total Phosphorus	0.004	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C014	OL-1863-03	5/8/2013	Total Phosphorus	0.0085	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1863-04	5/8/2013	Total Phosphorus	0.0099	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1864-03	5/15/2013	Total Phosphorus	0.014	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1864-04	5/15/2013	Total Phosphorus	0.0093	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1865-03	5/22/2013	Total Phosphorus	0.023	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1865-04	5/22/2013	Total Phosphorus	0.019	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1866-03	5/31/2013	Total Phosphorus	0.017	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1866-04	5/31/2013	Total Phosphorus	0.009	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1867-03	6/5/2013	Total Phosphorus	0.019	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1867-04	6/5/2013	Total Phosphorus	0.021	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1868-03	6/12/2013	Total Phosphorus	0.02	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1868-04	6/12/2013	Total Phosphorus	0.023	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1869-03	6/19/2013	Total Phosphorus	0.026	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1869-04	6/19/2013	Total Phosphorus	0.021	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1870-03	6/27/2013	Total Phosphorus	0.019	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1870-04	6/27/2013	Total Phosphorus	0.016	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1871-03	7/2/2013	Total Phosphorus	0.035	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1871-04	7/2/2013	Total Phosphorus	0.036	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1872-03	7/11/2013	Total Phosphorus	0.023	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1872-04	7/11/2013	Total Phosphorus	0.018	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1873-03	7/17/2013	Total Phosphorus	0.02	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1873-04	7/17/2013	Total Phosphorus	0.025	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1874-03	7/24/2013	Total Phosphorus	0.021	mg/L	J	REG	Y	--	--

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Total Phosphorus	0.016	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1875-03	7/31/2013	Total Phosphorus	0.0095	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1875-04	7/31/2013	Total Phosphorus	0.012	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1876-03	8/7/2013	Total Phosphorus	0.0029	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1876-04	8/7/2013	Total Phosphorus	0.0075	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1877-03	8/14/2013	Total Phosphorus	0.016	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1877-04	8/14/2013	Total Phosphorus	0.015	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1878-03	8/21/2013	Total Phosphorus	0.019	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1878-04	8/21/2013	Total Phosphorus	0.019	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1879-03	8/27/2013	Total Phosphorus	0.016	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1879-04	8/27/2013	Total Phosphorus	0.005	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1880-03	9/5/2013	Total Phosphorus	0.013	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1880-04	9/5/2013	Total Phosphorus	0.013	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1881-03	9/11/2013	Total Phosphorus	0.013	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1881-04	9/11/2013	Total Phosphorus	0.0071	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1882-03	9/18/2013	Total Phosphorus	0.0092	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1882-04	9/18/2013	Total Phosphorus	0.0067	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1883-03	9/25/2013	Total Phosphorus	0.018	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1883-04	9/25/2013	Total Phosphorus	0.017	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1884-03	10/2/2013	Total Phosphorus	0.01	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1884-04	10/2/2013	Total Phosphorus	0.013	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1885-03	10/9/2013	Total Phosphorus	0.042	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1885-04	10/9/2013	Total Phosphorus	0.043	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1886-03	10/16/2013	Total Phosphorus	0.023	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1886-04	10/16/2013	Total Phosphorus	0.0065	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1887-03	10/23/2013	Total Phosphorus	0.024	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1887-04	10/23/2013	Total Phosphorus	0.02	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1888-03	10/30/2013	Total Phosphorus	0.013	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1888-04	10/30/2013	Total Phosphorus	0.019	mg/L		FD	Y	--	--

Notes:
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Total Phosphorus	0.016	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1889-04	11/6/2013	Total Phosphorus	0.016	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1890-03	11/13/2013	Total Phosphorus	0.015	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1890-04	11/13/2013	Total Phosphorus	0.0097	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1891-03	11/20/2013	Total Phosphorus	0.015	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1891-04	11/20/2013	Total Phosphorus	0.015	mg/L	J	FD	Y	--	--

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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Dissolved Phosphorus	0.004	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1860-04	4/18/2013	Dissolved Phosphorus	0.004	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1861-03	4/25/2013	Dissolved Phosphorus	0.0042	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1861-04	4/25/2013	Dissolved Phosphorus	0.0032	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1862-02	5/1/2013	Dissolved Phosphorus	0.0025	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1862-03	5/1/2013	Dissolved Phosphorus	0.0031	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1863-03	5/8/2013	Dissolved Phosphorus	0.0057	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1863-04	5/8/2013	Dissolved Phosphorus	0.0058	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1864-03	5/15/2013	Dissolved Phosphorus	0.0056	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1864-04	5/15/2013	Dissolved Phosphorus	0.0058	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1865-03	5/22/2013	Dissolved Phosphorus	5.3	ug/l		REG	Y	--	--
OL-SW-CM-C014	OL-1865-04	5/22/2013	Dissolved Phosphorus	3.6	ug/L		FD	Y	--	--
OL-SW-CM-C014	OL-1866-03	5/31/2013	Dissolved Phosphorus	0.004	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1866-04	5/31/2013	Dissolved Phosphorus	0.0045	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1867-03	6/5/2013	Dissolved Phosphorus	0.004	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1867-04	6/5/2013	Dissolved Phosphorus	0.0064	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1868-03	6/12/2013	Dissolved Phosphorus	0.0045	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C014	OL-1868-04	6/12/2013	Dissolved Phosphorus	0.0044	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C021	OL-1869-03	6/19/2013	Dissolved Phosphorus	0.011	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1869-04	6/19/2013	Dissolved Phosphorus	0.01	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1870-03	6/27/2013	Dissolved Phosphorus	0.018	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1870-04	6/27/2013	Dissolved Phosphorus	0.014	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1871-03	7/2/2013	Dissolved Phosphorus	0.035	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1871-04	7/2/2013	Dissolved Phosphorus	0.045	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1872-03	7/11/2013	Dissolved Phosphorus	0.0036	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1872-04	7/11/2013	Dissolved Phosphorus	0.0013	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1873-03	7/17/2013	Dissolved Phosphorus	0.0035	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1873-04	7/17/2013	Dissolved Phosphorus	0.0019	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1874-03	7/24/2013	Dissolved Phosphorus	0.0038	mg/L	J	REG	Y	--	--

Notes:
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Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Dissolved Phosphorus	0.0027	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1875-03	7/31/2013	Dissolved Phosphorus	0.004	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1875-04	7/31/2013	Dissolved Phosphorus	0.004	mg/L	U	FD	Y	--	--
OL-SW-CM-C021	OL-1876-03	8/7/2013	Dissolved Phosphorus	0.004	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1876-04	8/7/2013	Dissolved Phosphorus	0.004	mg/L	U	FD	Y	--	--
OL-SW-CM-C021	OL-1877-03	8/14/2013	Dissolved Phosphorus	0.0023	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1877-04	8/14/2013	Dissolved Phosphorus	0.0035	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1878-03	8/21/2013	Dissolved Phosphorus	0.0048	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1878-04	8/21/2013	Dissolved Phosphorus	0.0036	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1879-03	8/27/2013	Dissolved Phosphorus	0.0066	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1879-04	8/27/2013	Dissolved Phosphorus	0.0059	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1880-03	9/5/2013	Dissolved Phosphorus	0.0027	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1880-04	9/5/2013	Dissolved Phosphorus	0.0039	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1881-03	9/11/2013	Dissolved Phosphorus	0.004	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C022	OL-1881-04	9/11/2013	Dissolved Phosphorus	0.0024	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1882-03	9/18/2013	Dissolved Phosphorus	0.0047	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1882-04	9/18/2013	Dissolved Phosphorus	0.0018	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1883-03	9/25/2013	Dissolved Phosphorus	0.022	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1883-04	9/25/2013	Dissolved Phosphorus	0.019	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1884-03	10/2/2013	Dissolved Phosphorus	0.0037	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1884-04	10/2/2013	Dissolved Phosphorus	0.0049	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1885-03	10/9/2013	Dissolved Phosphorus	0.014	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1885-04	10/9/2013	Dissolved Phosphorus	0.05	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1886-03	10/16/2013	Dissolved Phosphorus	0.0048	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1886-04	10/16/2013	Dissolved Phosphorus	0.0046	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1887-03	10/23/2013	Dissolved Phosphorus	0.0044	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1887-04	10/23/2013	Dissolved Phosphorus	0.0059	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1888-03	10/30/2013	Dissolved Phosphorus	0.006	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1888-04	10/30/2013	Dissolved Phosphorus	0.007	mg/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Dissolved Phosphorus	0.0056	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1889-04	11/6/2013	Dissolved Phosphorus	0.0059	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1890-03	11/13/2013	Dissolved Phosphorus	0.012	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1890-04	11/13/2013	Dissolved Phosphorus	0.012	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1891-03	11/20/2013	Dissolved Phosphorus	0.0082	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1891-04	11/20/2013	Dissolved Phosphorus	0.018	mg/L	J	FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	Soluble Reactive Phosphate	0.002	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1860-04	4/18/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C014	OL-1861-03	4/25/2013	Soluble Reactive Phosphate	0.0014	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1861-04	4/25/2013	Soluble Reactive Phosphate	0.0014	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1862-02	5/1/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1862-03	5/1/2013	Soluble Reactive Phosphate	0.002	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1863-03	5/8/2013	Soluble Reactive Phosphate	0.022	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1863-04	5/8/2013	Soluble Reactive Phosphate	0.023	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1864-03	5/15/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C014	OL-1864-04	5/15/2013	Soluble Reactive Phosphate	0.0031	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1865-03	5/22/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1865-04	5/22/2013	Soluble Reactive Phosphate	0.0016	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1866-03	5/31/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1866-04	5/31/2013	Soluble Reactive Phosphate	0.002	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1867-03	6/5/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C014	OL-1867-04	6/5/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C014	OL-1868-03	6/12/2013	Soluble Reactive Phosphate	0.0025	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1868-04	6/12/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C021	OL-1869-03	6/19/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1869-04	6/19/2013	Soluble Reactive Phosphate	0.0019	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1870-03	6/27/2013	Soluble Reactive Phosphate	0.0064	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1870-04	6/27/2013	Soluble Reactive Phosphate	0.003	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1871-03	7/2/2013	Soluble Reactive Phosphate	0.02	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1871-04	7/2/2013	Soluble Reactive Phosphate	0.026	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1872-03	7/11/2013	Soluble Reactive Phosphate	0.02	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1872-04	7/11/2013	Soluble Reactive Phosphate	0.02	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1873-03	7/17/2013	Soluble Reactive Phosphate	0.003	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1873-04	7/17/2013	Soluble Reactive Phosphate	0.0058	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1874-03	7/24/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	Soluble Reactive Phosphate	0.002	mg/L	U	FD	Y	--	--
OL-SW-CM-C021	OL-1875-03	7/31/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C021	OL-1875-04	7/31/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C021	OL-1876-03	8/7/2013	Soluble Reactive Phosphate	0.0019	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1876-04	8/7/2013	Soluble Reactive Phosphate	0.0022	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1877-03	8/14/2013	Soluble Reactive Phosphate	0.0099	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1877-04	8/14/2013	Soluble Reactive Phosphate	0.0098	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1878-03	8/21/2013	Soluble Reactive Phosphate	0.0014	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1878-04	8/21/2013	Soluble Reactive Phosphate	0.0017	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1879-03	8/27/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1879-04	8/27/2013	Soluble Reactive Phosphate	0.002	mg/L	U	FD	Y	--	--
OL-SW-CM-C021	OL-1880-03	9/5/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1880-04	9/5/2013	Soluble Reactive Phosphate	0.002	mg/L	U	FD	Y	--	--
OL-SW-CM-C022	OL-1881-03	9/11/2013	Soluble Reactive Phosphate	0.002	mg/L	U	REG	Y	--	--
OL-SW-CM-C022	OL-1881-04	9/11/2013	Soluble Reactive Phosphate	0.0015	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1882-03	9/18/2013	Soluble Reactive Phosphate	0.0022	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1882-04	9/18/2013	Soluble Reactive Phosphate	0.0026	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1883-03	9/25/2013	Soluble Reactive Phosphate	0.002	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1883-04	9/25/2013	Soluble Reactive Phosphate	0.002	mg/L	UJ	FD	Y	--	--
OL-SW-CM-C022	OL-1884-03	10/2/2013	Soluble Reactive Phosphate	0.0025	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1884-04	10/2/2013	Soluble Reactive Phosphate	0.0025	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1885-03	10/9/2013	Soluble Reactive Phosphate	0.015	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1885-04	10/9/2013	Soluble Reactive Phosphate	0.0078	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1886-03	10/16/2013	Soluble Reactive Phosphate	0.002	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1886-04	10/16/2013	Soluble Reactive Phosphate	0.0018	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1887-03	10/23/2013	Soluble Reactive Phosphate	0.0021	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1887-04	10/23/2013	Soluble Reactive Phosphate	0.0038	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1888-03	10/30/2013	Soluble Reactive Phosphate	0.0024	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1888-04	10/30/2013	Soluble Reactive Phosphate	0.0026	mg/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	Soluble Reactive Phosphate	0.0029	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1889-04	11/6/2013	Soluble Reactive Phosphate	0.0028	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1890-03	11/13/2013	Soluble Reactive Phosphate	0.0053	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1890-04	11/13/2013	Soluble Reactive Phosphate	0.0063	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1891-03	11/20/2013	Soluble Reactive Phosphate	0.0055	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1891-04	11/20/2013	Soluble Reactive Phosphate	0.0062	mg/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C014	OL-1860-03	4/18/2013	TSS	5.2	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1860-04	4/18/2013	TSS	6.4	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1861-03	4/25/2013	TSS	2	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1861-04	4/25/2013	TSS	3.6	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1862-02	5/1/2013	TSS	2	mg/L	U	REG	Y	--	--
OL-SW-CM-C014	OL-1862-03	5/1/2013	TSS	2	mg/L	U	FD	Y	--	--
OL-SW-CM-C014	OL-1863-03	5/8/2013	TSS	4.8	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1863-04	5/8/2013	TSS	6	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1864-03	5/15/2013	TSS	3.6	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1864-04	5/15/2013	TSS	3.6	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1865-03	5/22/2013	TSS	2.8	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1865-04	5/22/2013	TSS	5.2	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1866-03	5/31/2013	TSS	2.4	mg/L	J	REG	Y	--	--
OL-SW-CM-C014	OL-1866-04	5/31/2013	TSS	2.8	mg/L	J	FD	Y	--	--
OL-SW-CM-C014	OL-1867-03	6/5/2013	TSS	4.4	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1867-04	6/5/2013	TSS	5.2	mg/L		FD	Y	--	--
OL-SW-CM-C014	OL-1868-03	6/12/2013	TSS	3.6	mg/L		REG	Y	--	--
OL-SW-CM-C014	OL-1868-04	6/12/2013	TSS	3.2	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1869-03	6/19/2013	TSS	2.8	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1869-04	6/19/2013	TSS	2	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1870-03	6/27/2013	TSS	3.2	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1870-04	6/27/2013	TSS	2.8	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1871-03	7/2/2013	TSS	5	mg/L	U	REG	Y	--	--
OL-SW-CM-C021	OL-1871-04	7/2/2013	TSS	2	mg/L	U	FD	Y	--	--
OL-SW-CM-C021	OL-1872-03	7/11/2013	TSS	2.8	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1872-04	7/11/2013	TSS	2.8	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1873-03	7/17/2013	TSS	8.8	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1873-04	7/17/2013	TSS	10	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1874-03	7/24/2013	TSS	8.8	mg/L	J	REG	Y	--	--

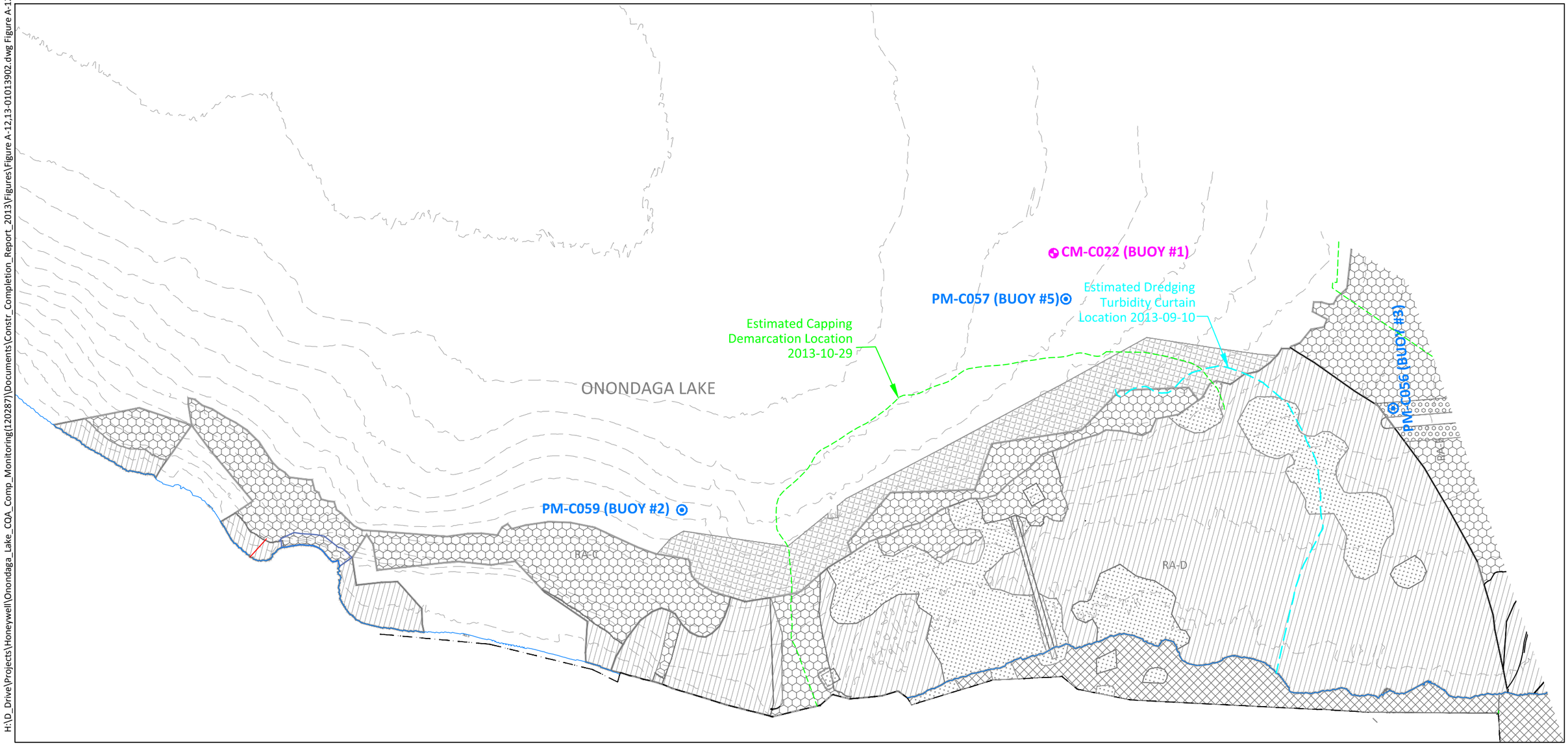
Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C021	OL-1874-04	7/24/2013	TSS	7.2	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1875-03	7/31/2013	TSS	4.4	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1875-04	7/31/2013	TSS	4.4	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1876-03	8/7/2013	TSS	4	mg/L	J	REG	Y	--	--
OL-SW-CM-C021	OL-1876-04	8/7/2013	TSS	2.4	mg/L	J	FD	Y	--	--
OL-SW-CM-C021	OL-1877-03	8/14/2013	TSS	5.2	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1877-04	8/14/2013	TSS	4.4	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1878-03	8/21/2013	TSS	9.2	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1878-04	8/21/2013	TSS	8	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1879-03	8/27/2013	TSS	3.6	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1879-04	8/27/2013	TSS	4	mg/L		FD	Y	--	--
OL-SW-CM-C021	OL-1880-03	9/5/2013	TSS	4	mg/L		REG	Y	--	--
OL-SW-CM-C021	OL-1880-04	9/5/2013	TSS	4.4	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1881-03	9/11/2013	TSS	2.8	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1881-04	9/11/2013	TSS	4	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1882-03	9/18/2013	TSS	2	mg/L	U	REG	Y	--	--
OL-SW-CM-C022	OL-1882-04	9/18/2013	TSS	2	mg/L	U	FD	Y	--	--
OL-SW-CM-C022	OL-1883-03	9/25/2013	TSS	2	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1883-04	9/25/2013	TSS	2.4	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1884-03	10/2/2013	TSS	2	mg/L	UJ	REG	Y	--	--
OL-SW-CM-C022	OL-1884-04	10/2/2013	TSS	2.4	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1885-03	10/9/2013	TSS	4.8	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1885-04	10/9/2013	TSS	4	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1886-03	10/16/2013	TSS	6	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1886-04	10/16/2013	TSS	3.2	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1887-03	10/23/2013	TSS	6	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1887-04	10/23/2013	TSS	2.8	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1888-03	10/30/2013	TSS	6	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1888-04	10/30/2013	TSS	4	mg/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value

Location ID	Sample ID	Sample Date	Analyte	Result	Units	Qualifier	Sample Purpose	Validated	SWQ Standard	SWQ Standard Units
OL-SW-CM-C022	OL-1889-03	11/6/2013	TSS	2.8	mg/L	J	REG	Y	--	--
OL-SW-CM-C022	OL-1889-04	11/6/2013	TSS	16	mg/L	J	FD	Y	--	--
OL-SW-CM-C022	OL-1890-03	11/13/2013	TSS	3.2	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1890-04	11/13/2013	TSS	4	mg/L		FD	Y	--	--
OL-SW-CM-C022	OL-1891-03	11/20/2013	TSS	6.4	mg/L		REG	Y	--	--
OL-SW-CM-C022	OL-1891-04	11/20/2013	TSS	4.8	mg/L		FD	Y	--	--

Notes:
SWQ - surface water quality; U - not detected at detection limit
J - estimated value



HORIZONTAL DATUM: New York State Plane, Central Zone, North American Datum of 1983 (NAD83), U.S. Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88), U.S. Feet

LEGEND:

- Performance Monitoring Station
- Compliance Monitoring Station
- Estimated Turbidity Curtain Location
- Estimated Demarcation Curtain Location
- Thin Layer Cap
- Limits of Dredging and Capping
- Limits of Cap Only
- Limits of Removal and Capping in Adjacent Areas Included in Design
- Hot Spot Dredging

0 500
Scale in Feet

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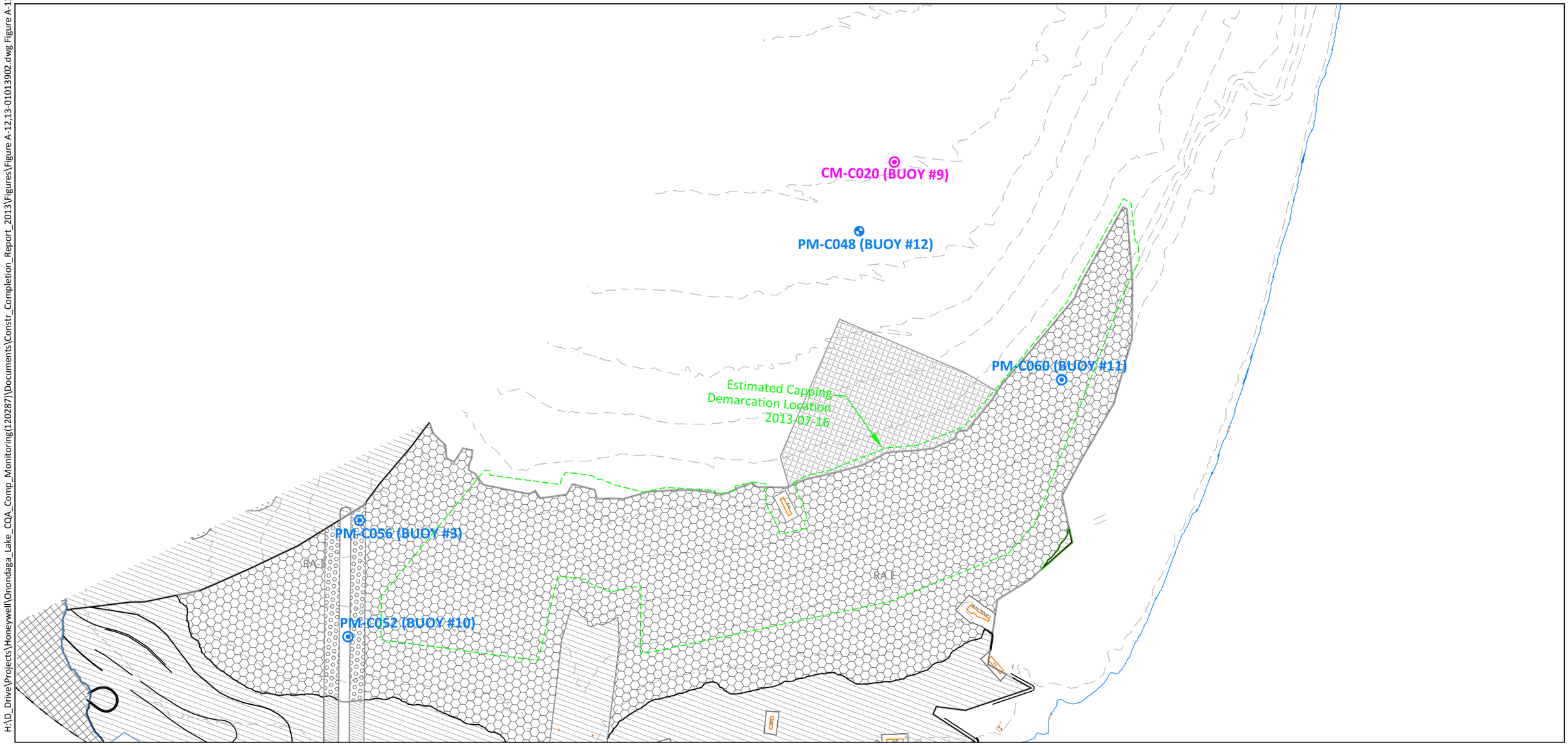
ANCHOR QEA

Figure A-12
October 2013 - Performance and Compliance Monitoring Stations during Dredging and Capping
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat



HORIZONTAL DATUM: New York State Plane, Central Zone, North American Datum of 1983 (NAD83), U.S. Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88), U.S. Feet

LEGEND:

- Performance Monitoring Station
- Compliance Monitoring Station
- Estimated Demarcation Curtain Location
- Thin Layer Cap
- Limits of Dredging and Capping
- Limits of Cap Only
- Limits of Removal and Capping in Adjacent Areas Included in Design
- Hot Spot Dredging

0 500
Scale in Feet

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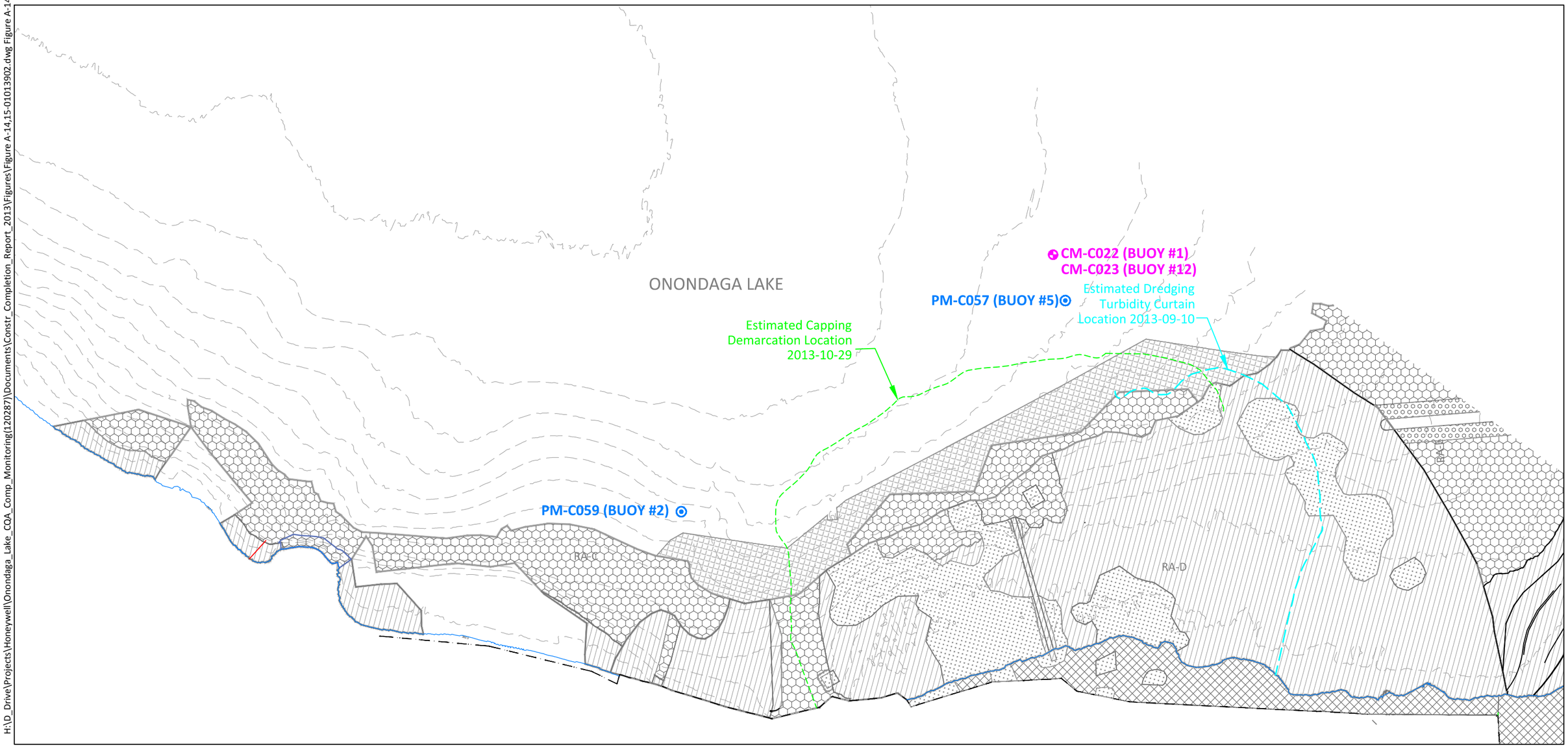
Figure A-13
October 2013 - Performance and Compliance Monitoring Stations during Dredging and Capping
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat



HORIZONTAL DATUM: New York State Plane, Central Zone, North American Datum of 1983 (NAD83), U.S. Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88), U.S. Feet

LEGEND:

- Performance Monitoring Station
- Compliance Monitoring Station
- Estimated Turbidity Curtain Location
- Estimated Demarcation Curtain Location
- Thin Layer Cap
- Limits of Dredging and Capping
- Limits of Cap Only
- Limits of Removal and Capping in Adjacent Areas Included in Design
- Hot Spot Dredging

0 500
Scale in Feet

H:\D_Drive\Projects\Honeywell\Onondaga_Lake_CQA_Comp_Monitoring(120287)\Documents\Constr_Completion_Report_2013\Figures\Figure A-14,15-01013902.dwg Figure A-14

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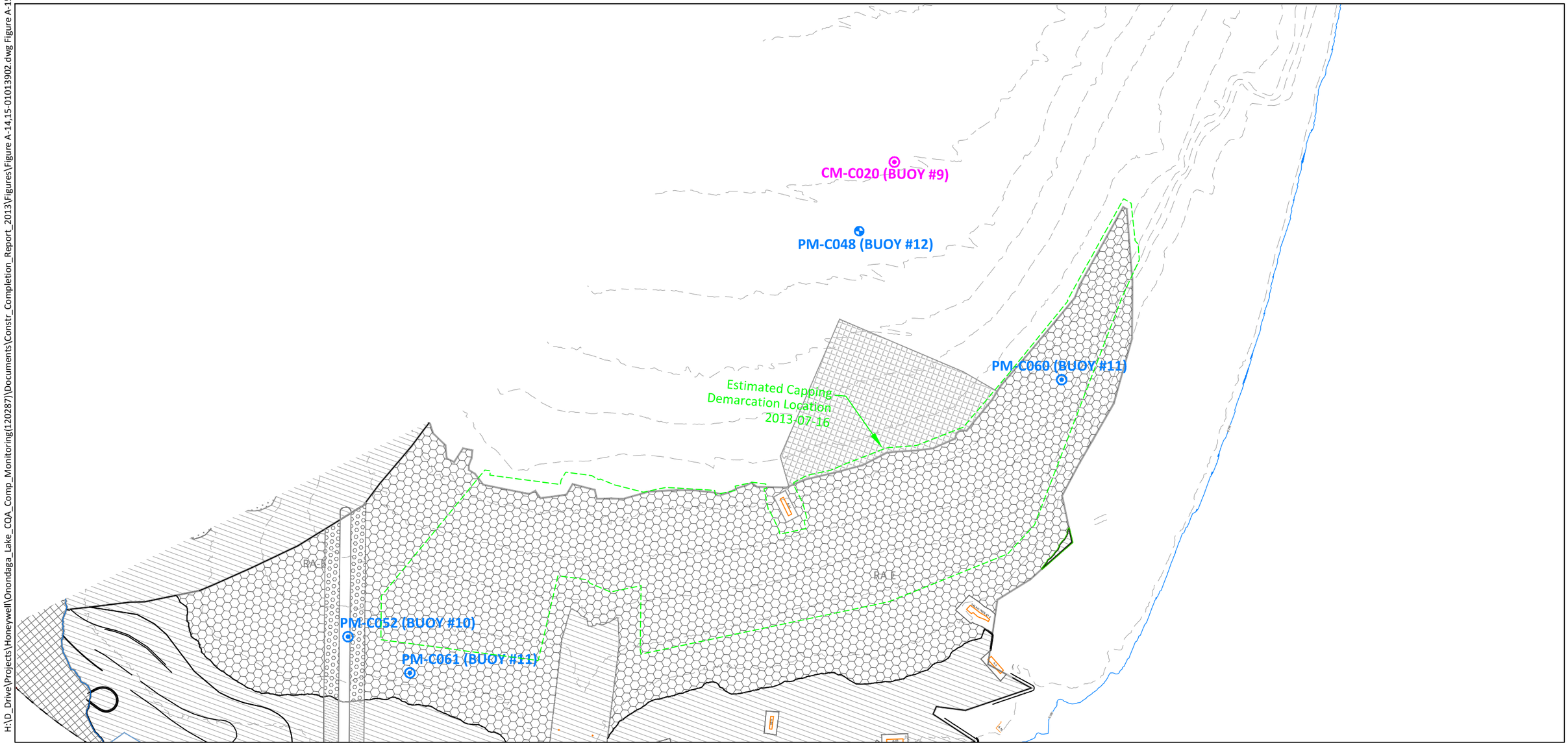
Figure A-14
November 2013 - Performance and Compliance Monitoring Stations during Dredging and Capping
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat



HORIZONTAL DATUM: New York State Plane, Central Zone, North American Datum of 1983 (NAD83), U.S. Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88), U.S. Feet

LEGEND:

- Performance Monitoring Station
- Compliance Monitoring Station
- Estimated Demarcation Curtain Location
- Thin Layer Cap
- Limits of Dredging and Capping
- Limits of Cap Only
- Limits of Removal and Capping in Adjacent Areas Included in Design
- Hot Spot Dredging

0 500
Scale in Feet

H:\D_Drive\Projects\Honeywell\Onondaga_Lake_COA_Comp_Monitoring(120287)\Documents\Constr_Completion_Report_2013\Figures\Figure A-14,15-01013902.dwg Figure A-15

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Figure A-15
November 2013 - Performance and Compliance Monitoring Stations during Dredging and Capping
Water Quality Monitoring 2013 Annual Report
Onondaga Lake Capping, Dredging, and Habitat

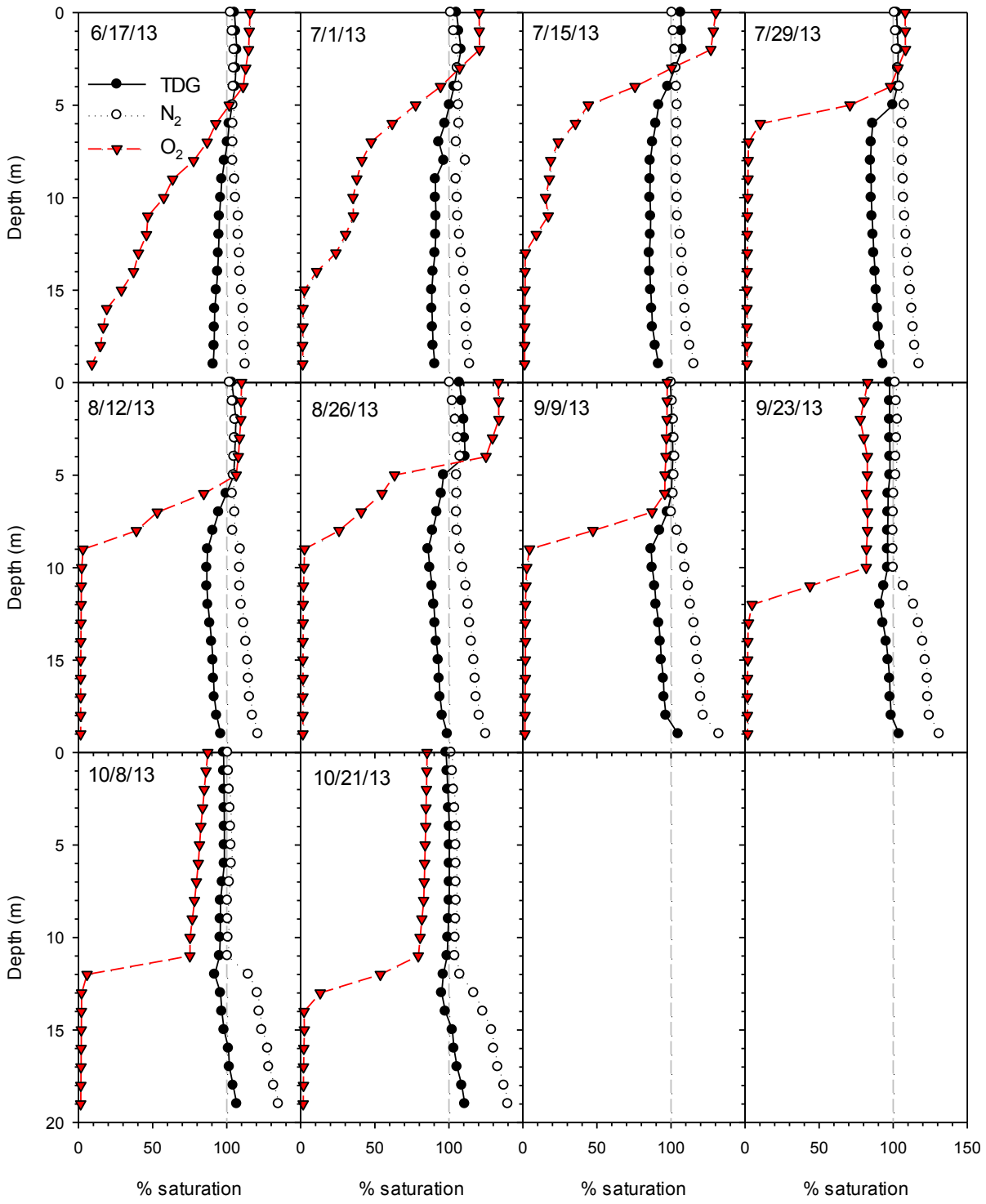
APPENDIX G

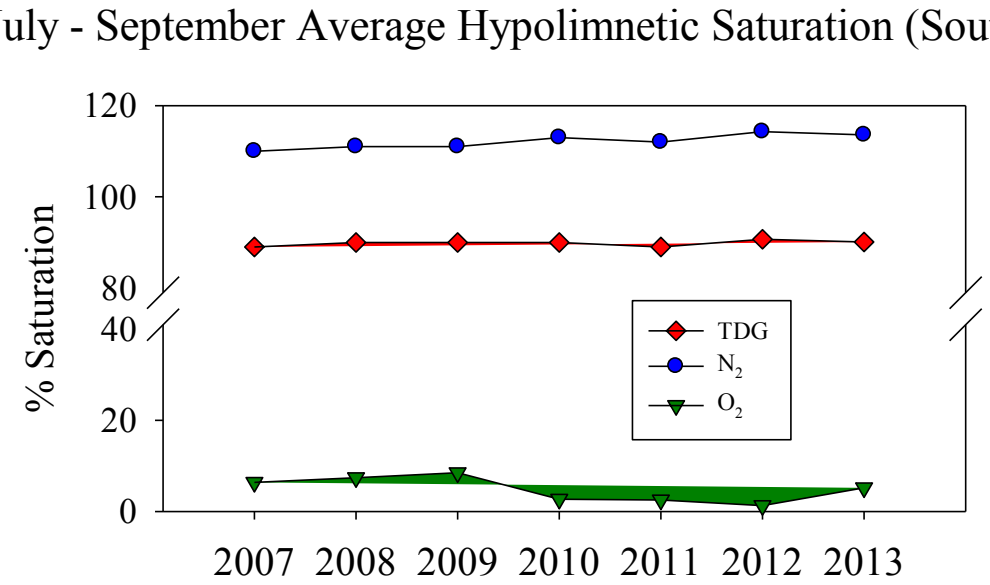
2013 TOTAL DISSOLVED GAS DATA

MEASUREMENT OF TOTAL DISSOLVED GAS (TDG) AND ITS COMPONENTS IN ONONDAGA LAKE (2007-2013)

Measurements of TDG were made as vertical profiles at the South Deep location of Onondaga Lake using an In-Situ Inc. total dissolved gas sensor. Parallel measurements of temperature and dissolved oxygen (O_2) were made with a Yellow Springs Instruments (YSI) multiprobe sonde. Nitrogen gas (N_2) was not measured directly, but was estimated as the difference between TDG and the partial pressure due to oxygen. Accordingly, the N_2 values reported here include lesser concentrations of other gases, most notably carbon dioxide (CO_2). Other gases present in smaller concentrations include argon and methane. The effect of these additional gases on percent saturation values calculated for N_2 appears to be negligible. Calculations were performed using a spreadsheet provided by In-Situ Inc. (In-Situ Inc. Extended Dissolved Gas Analysis, Version 2.0).

TDG data for 2013 are presented herein as is a summary of 2007-2013 TDG results.


6/17/13
7/1/13
7/15/13
7/29/13
8/12/13
8/26/13
9/9/13
9/23/13
10/8/13
10/21/13
TDG
N2
O2
Depth (m)
% saturation
0
5
10
15
20
50
100
150


July - September Average Hypolimnetic Saturation (South Deep)
% Saturation
120
100
80
40
20
0
TDG
N2
O2
2007
2008
2009
2010
2011
2012
2013