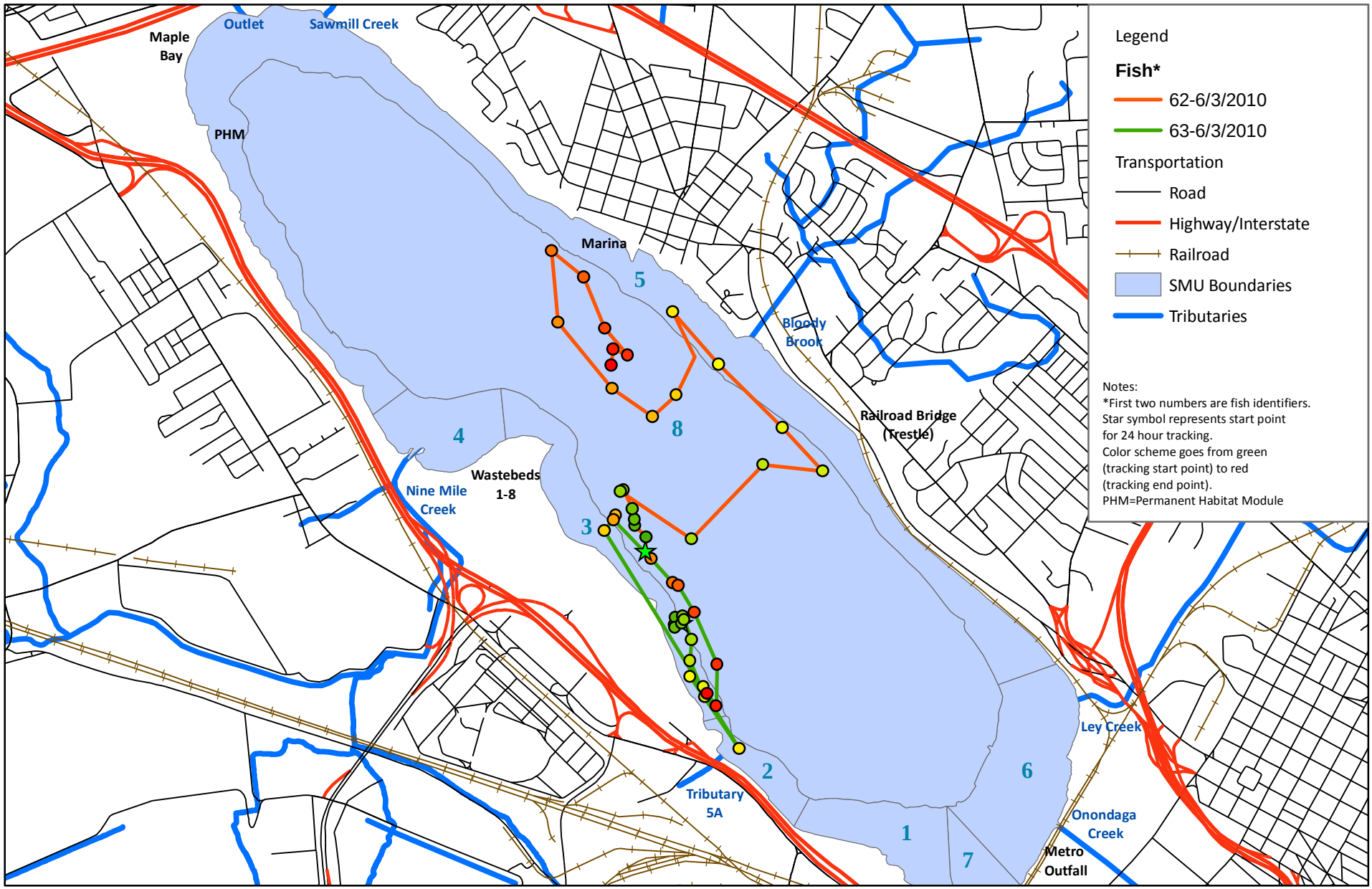


JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

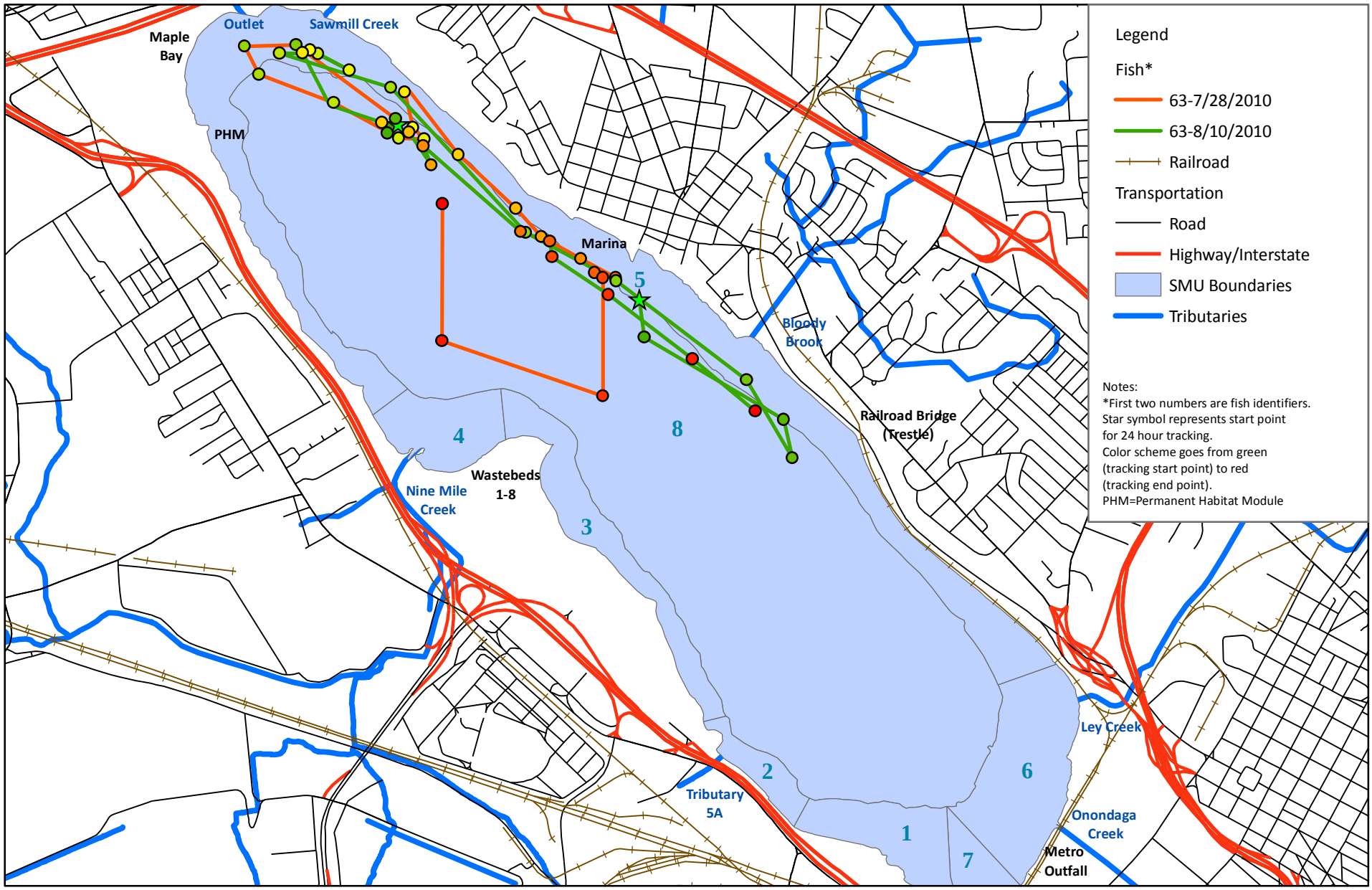
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14a
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

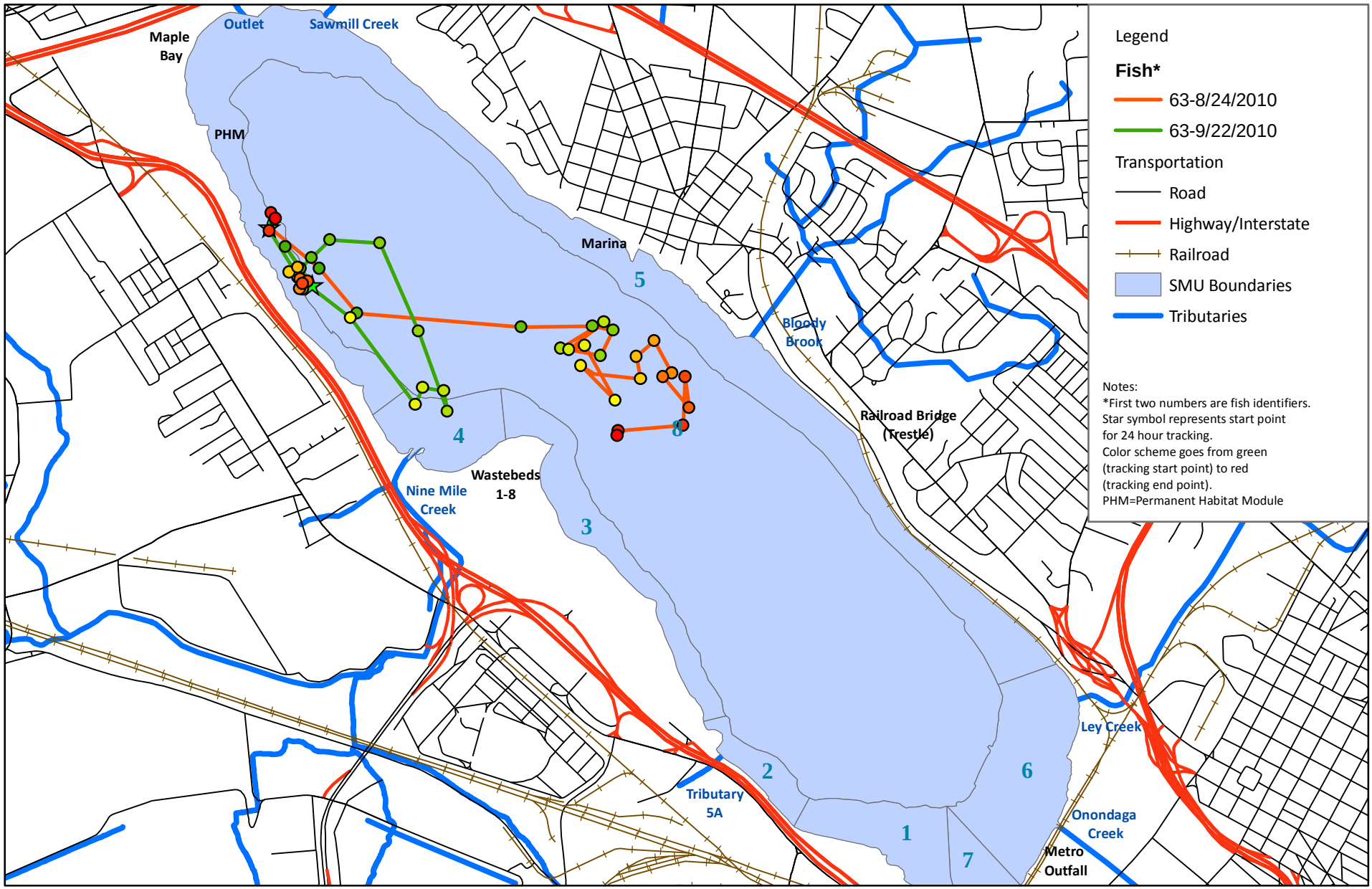
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14b
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

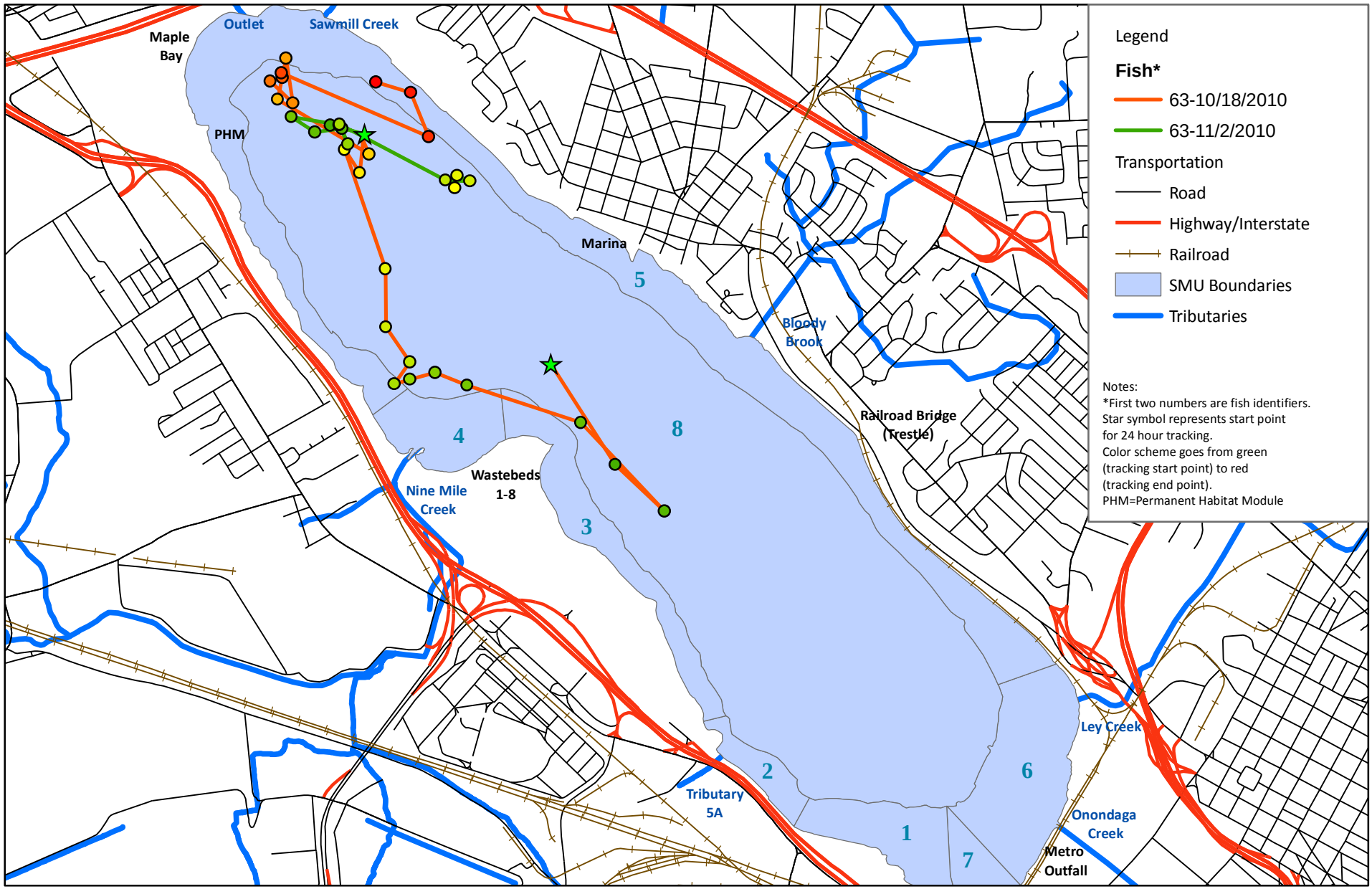
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14c
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

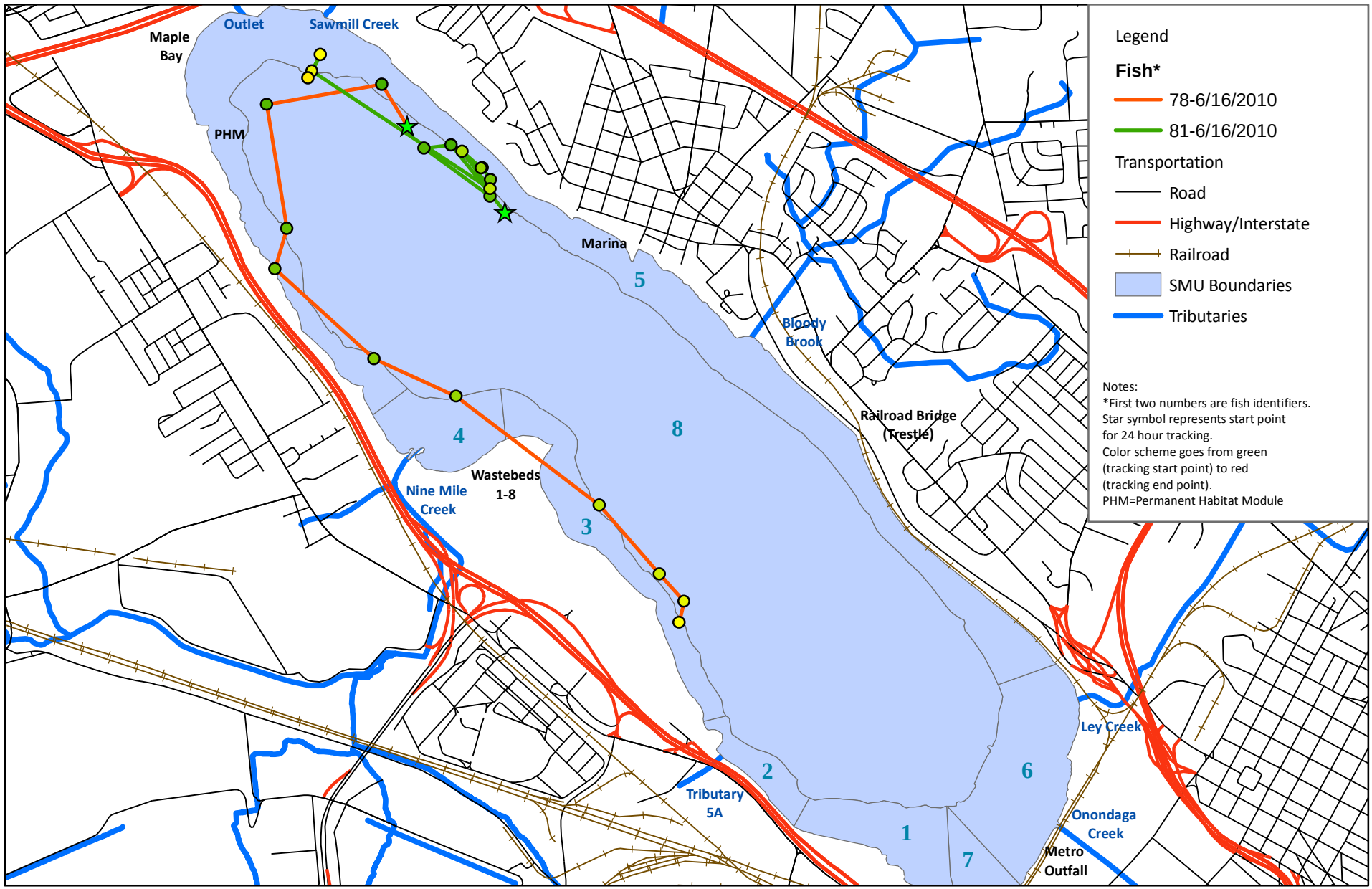
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14d
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

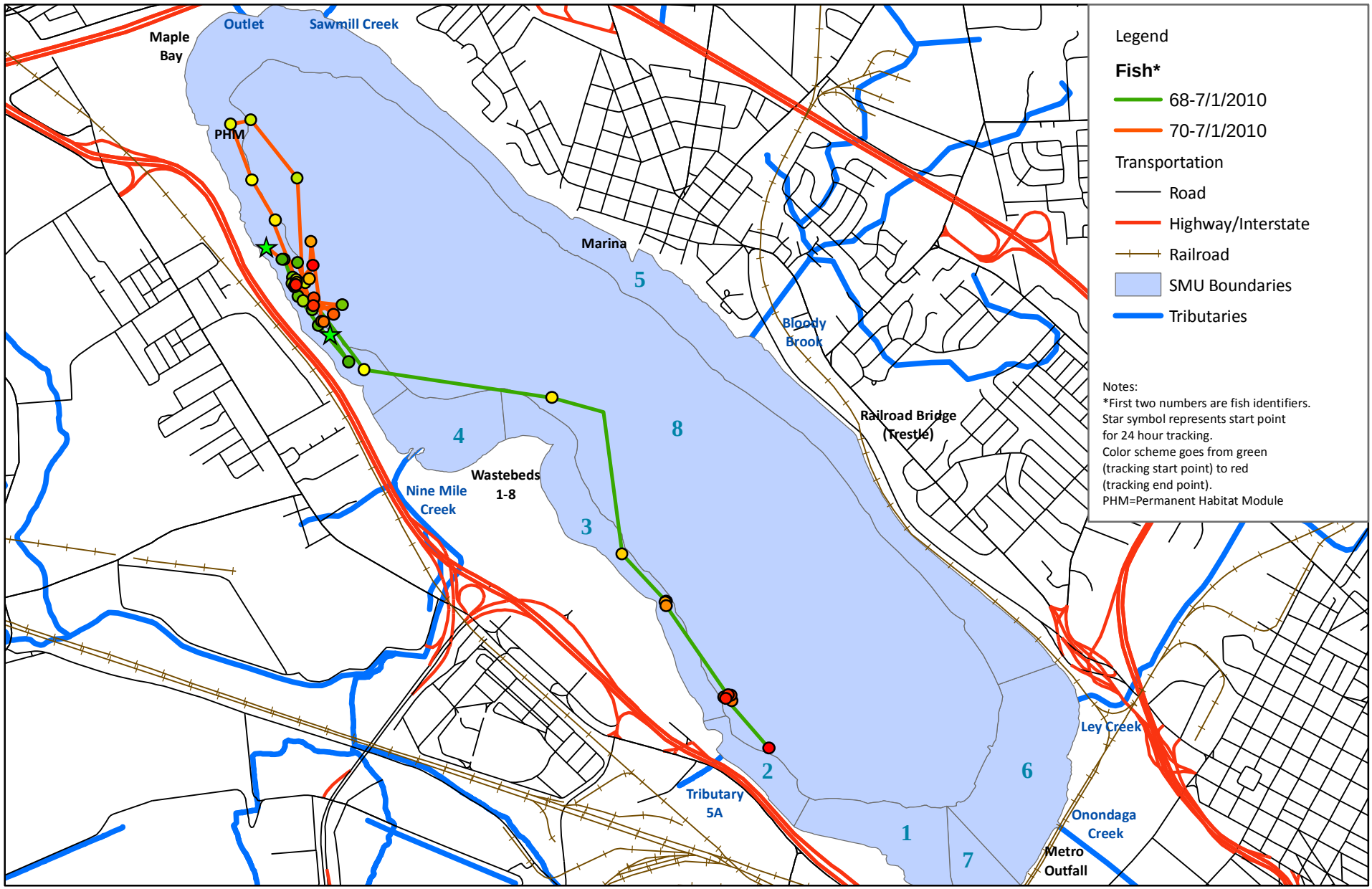
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14e
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

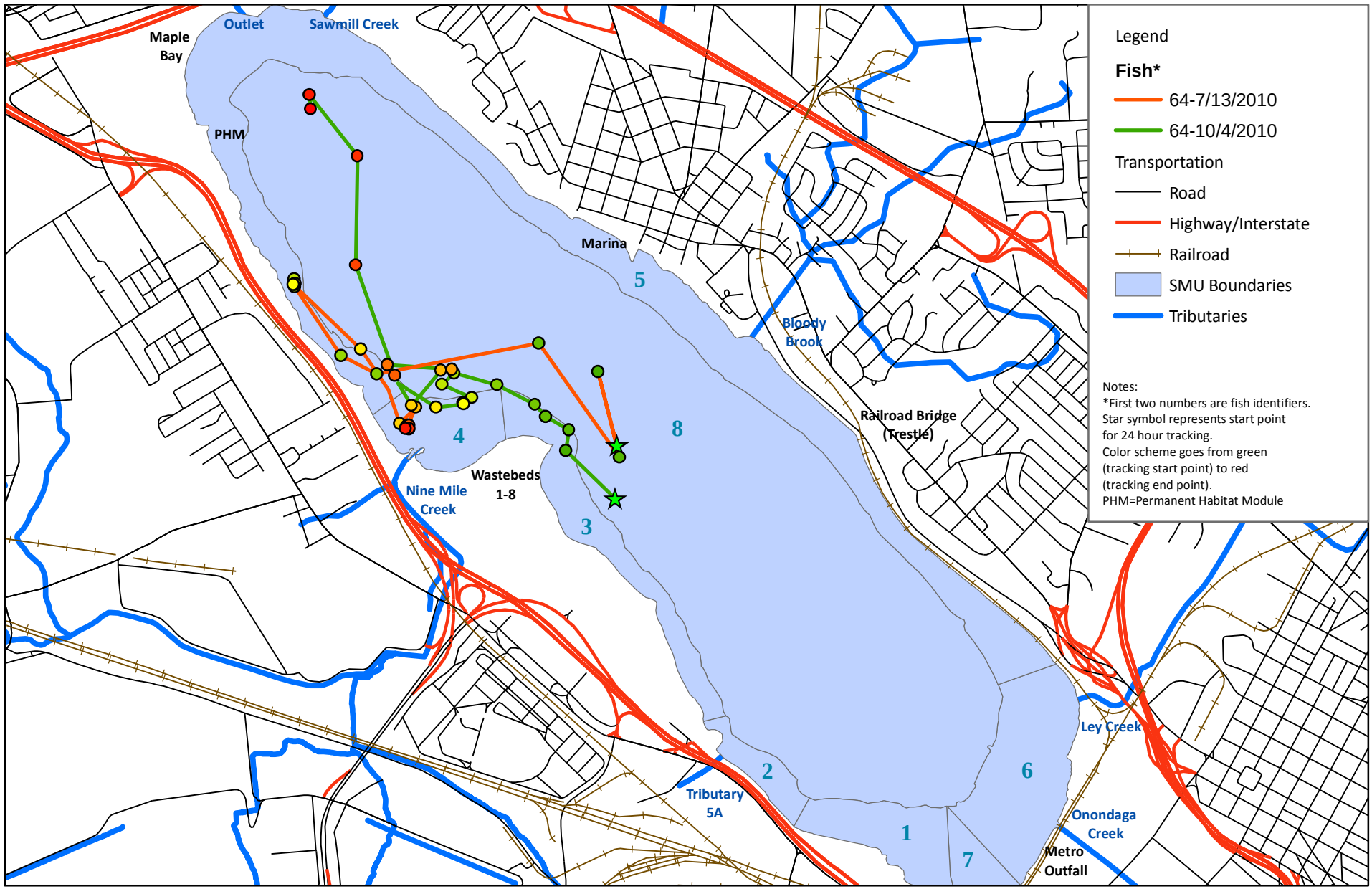
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14f
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

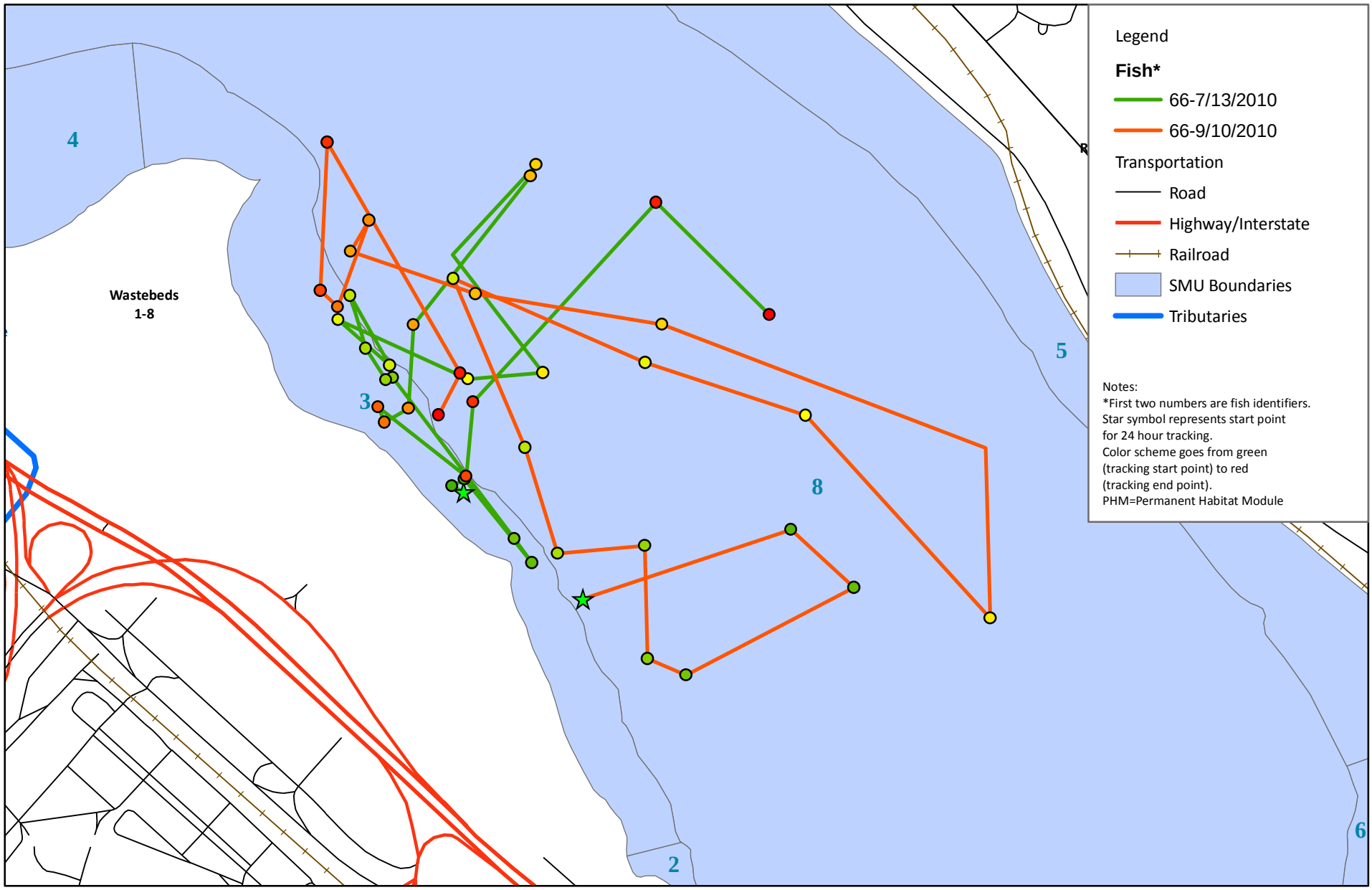
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.3 0.6 Miles

Figure 14g
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

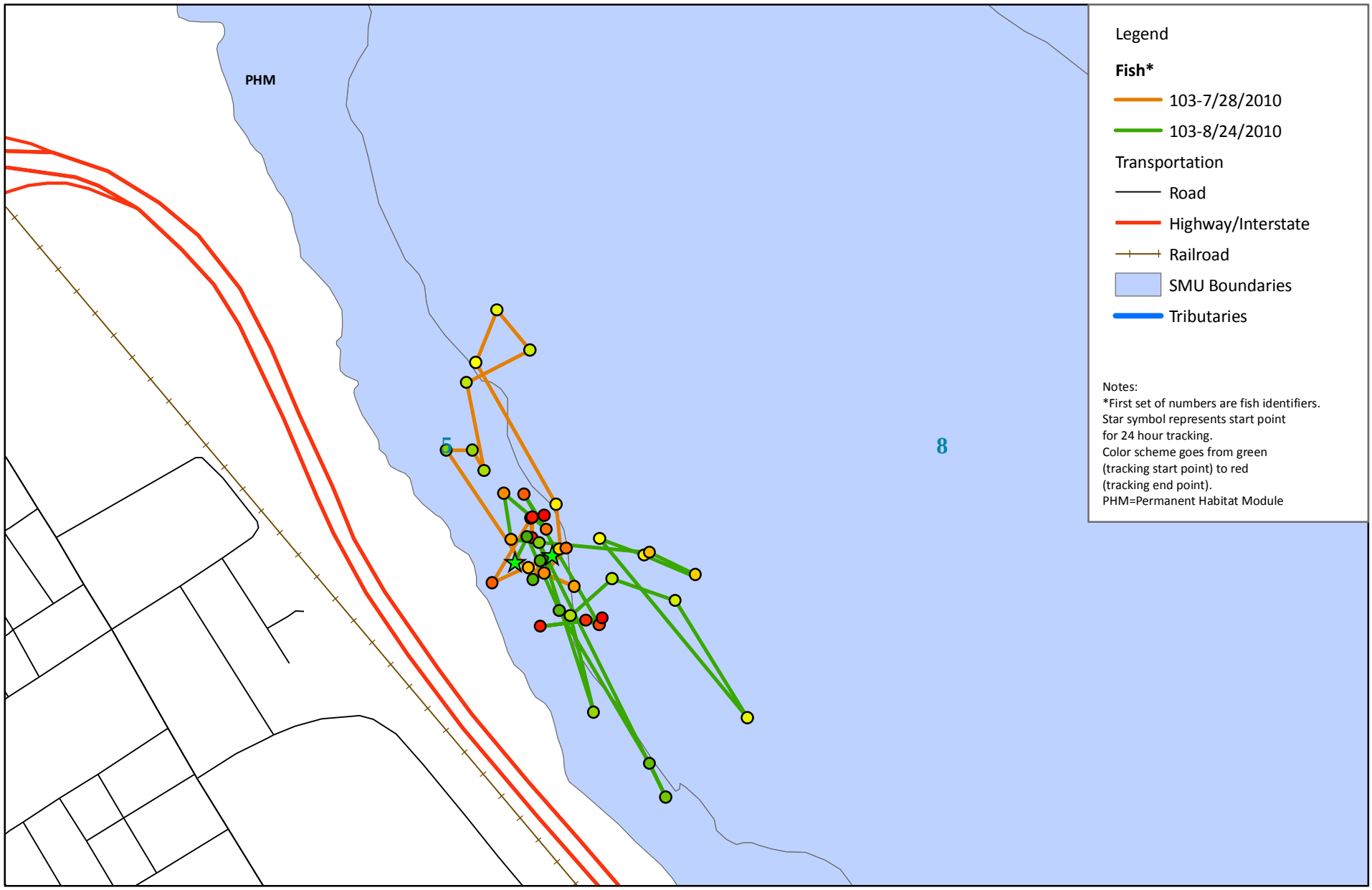
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.08 0.16 Miles

Figure 14h
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

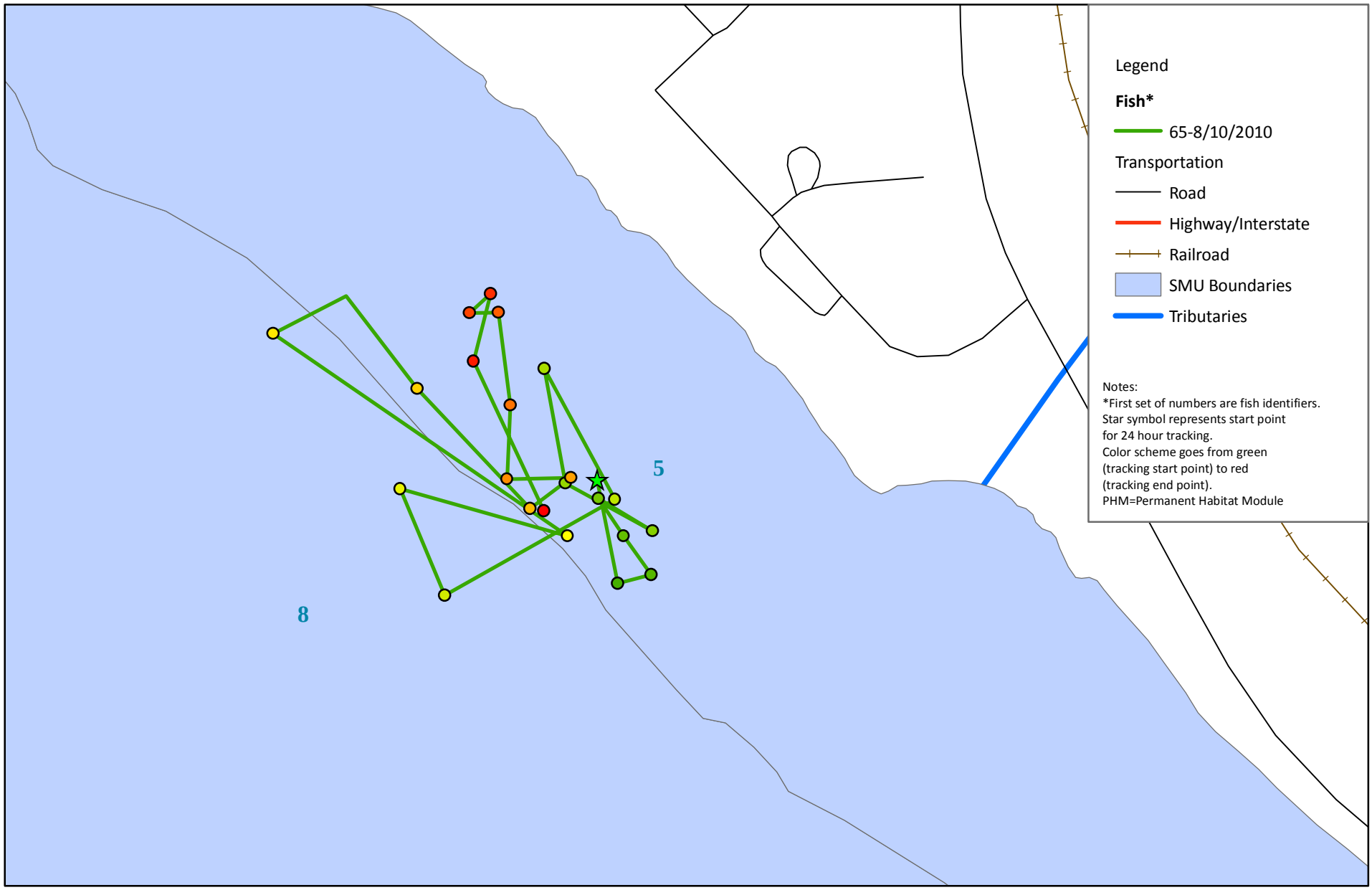
ANCHOR QEA

Honeywell PARSONS

N W E S

0 730 1,460 Feet

Figure 14i
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

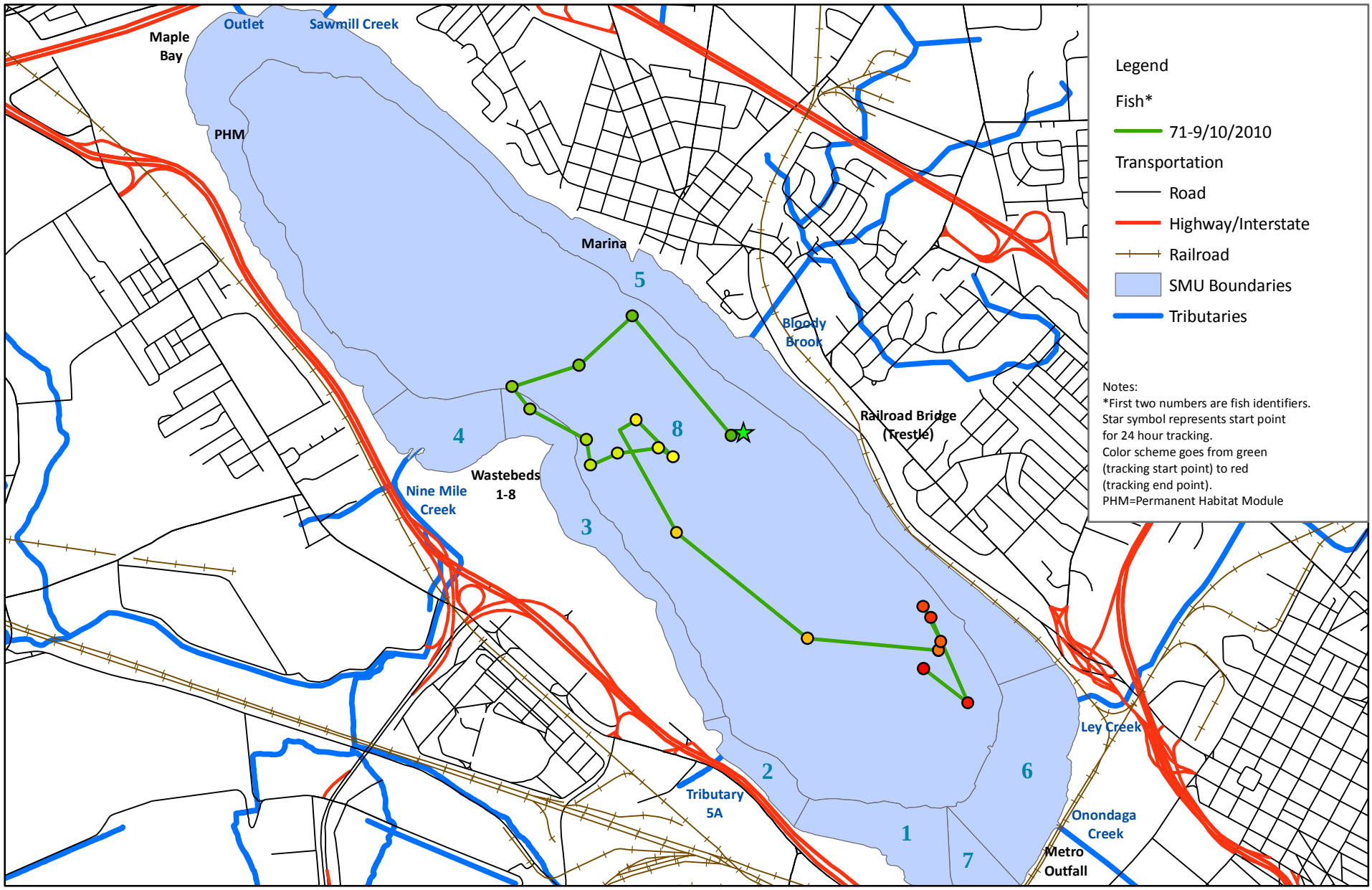
ANCHOR QEA

Honeywell PARSONS

N W E S

0 360 720 Feet

Figure 14j
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

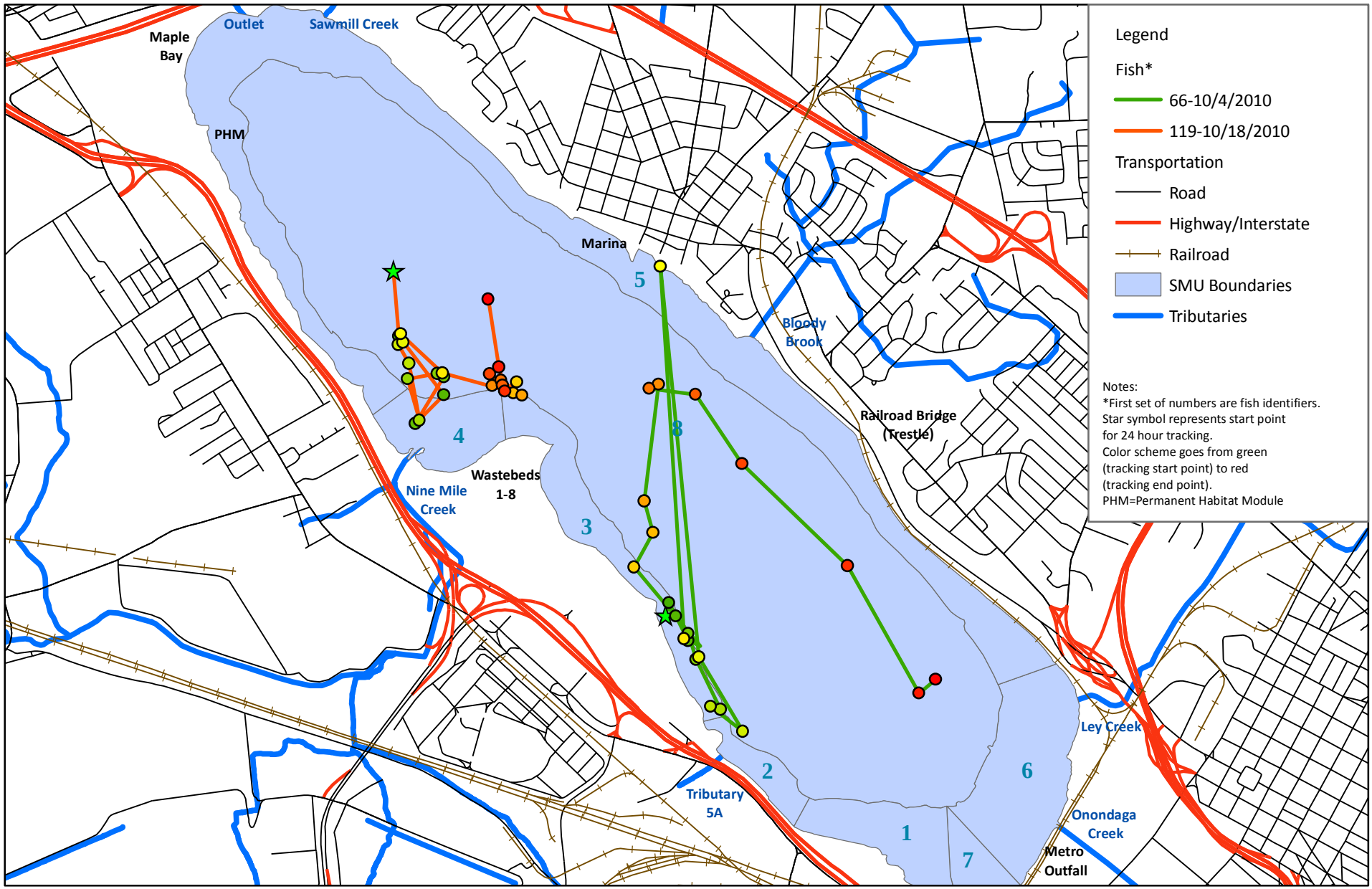
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.25 0.5 Miles

Figure 14k
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

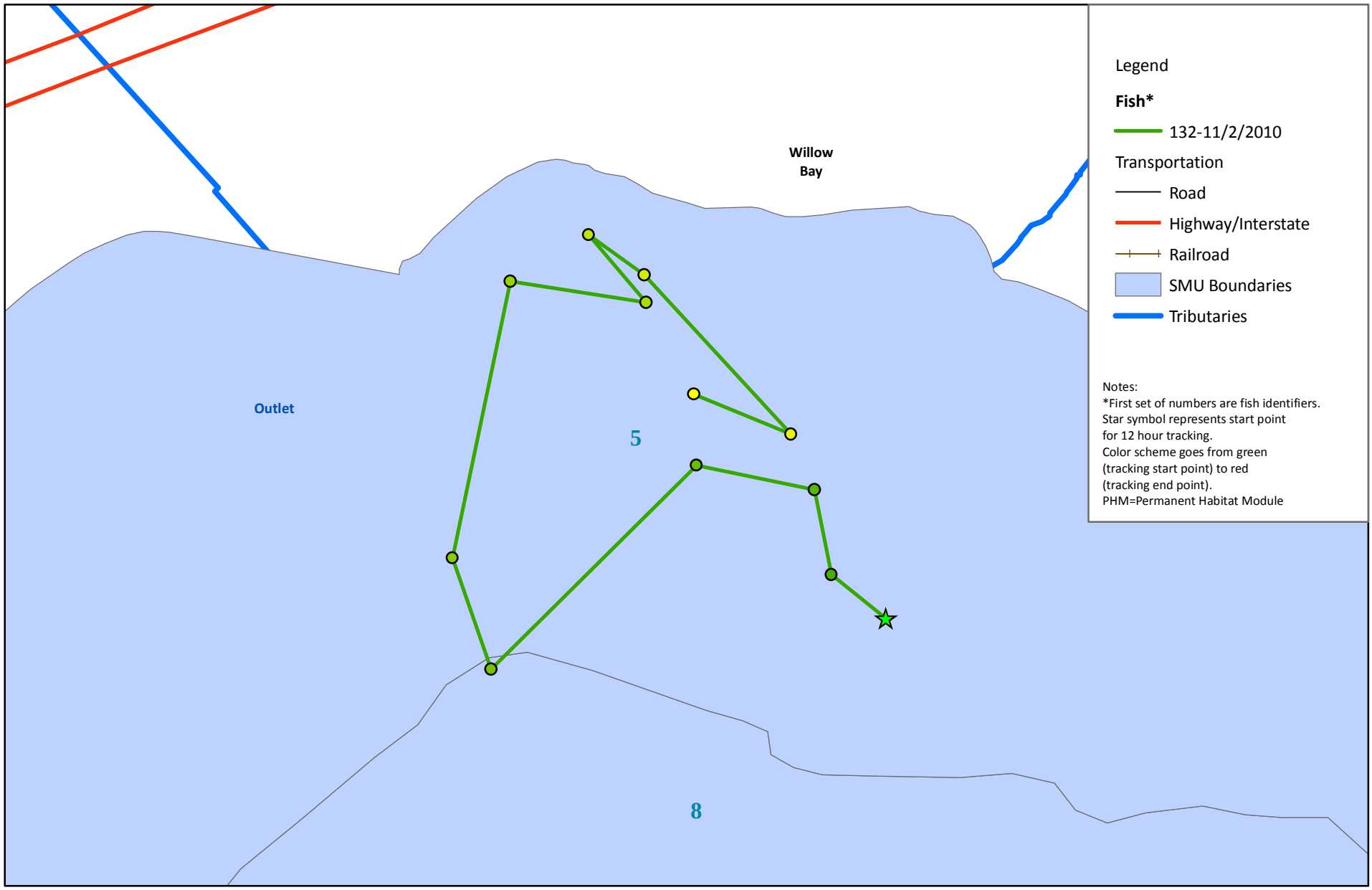
ANCHOR QEA

Honeywell PARSONS

N W E S

0 0.25 0.5 Miles

Figure 14l
Walleye movement during 2010 based on hourly tracking for a 24 hour period.



JER - H:\090139-01_Parsons-Onondaga\Baseline_Monitoring\GIS\Maps\ESF_telemetry_20110125.mxd jryan 20110107

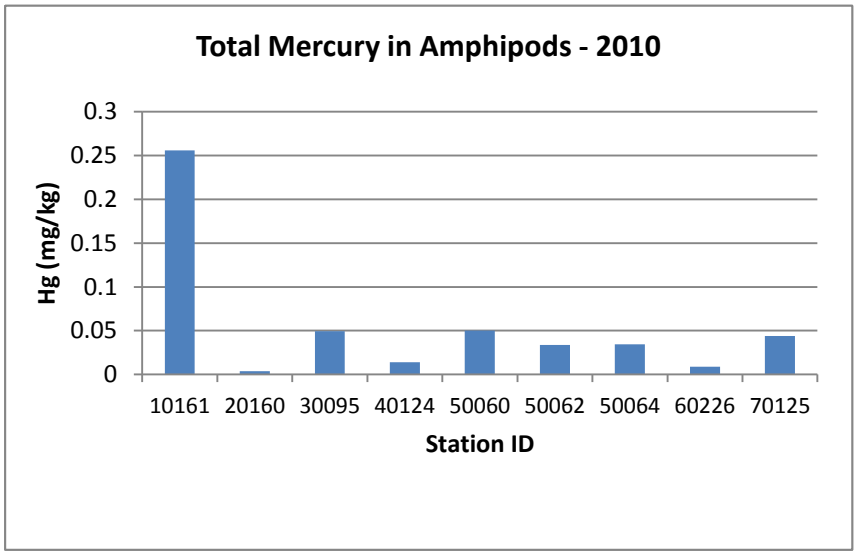
ANCHOR QEA

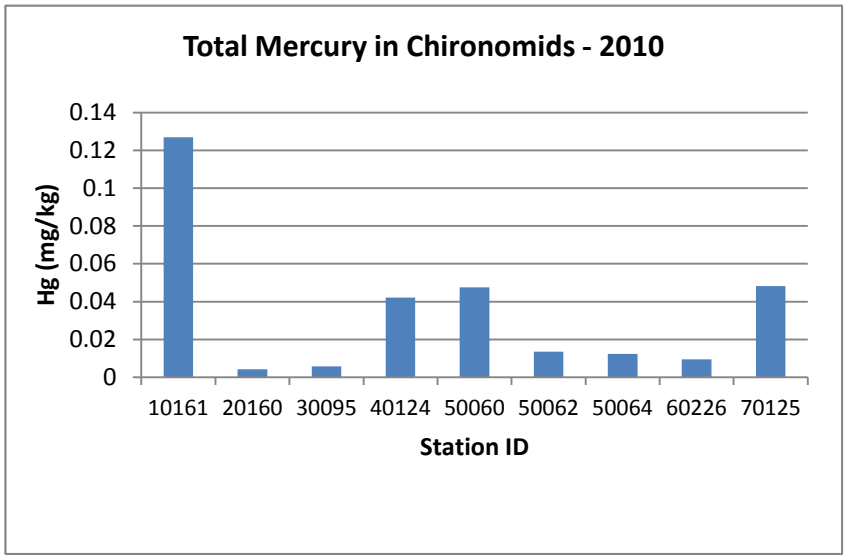
Honeywell PARSONS

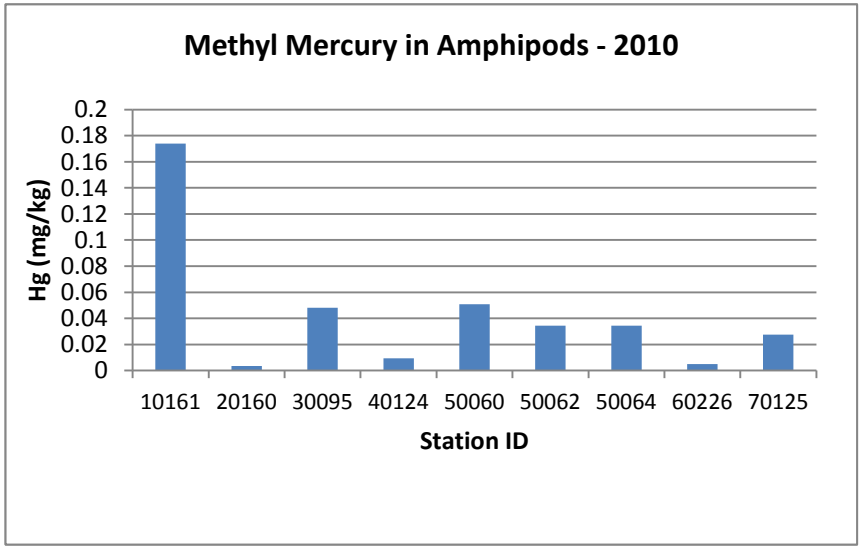
N W E S

0 0.07 0.14 Miles

Figure 14m
SMB movement during 2010 based on hourly tracking for a 12 hour period.







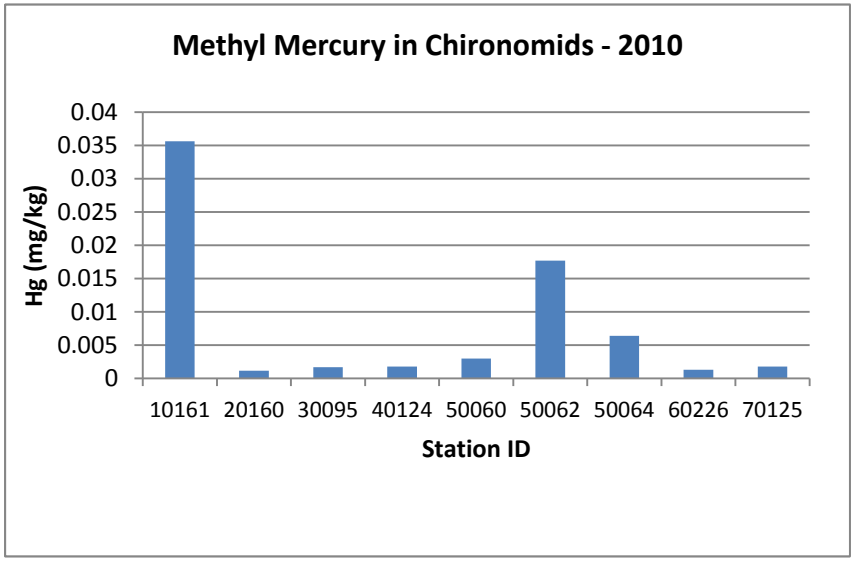
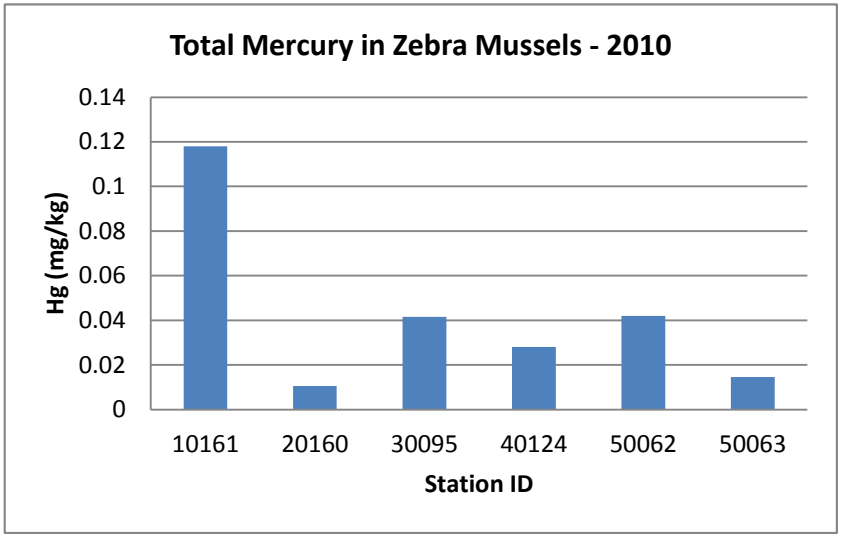
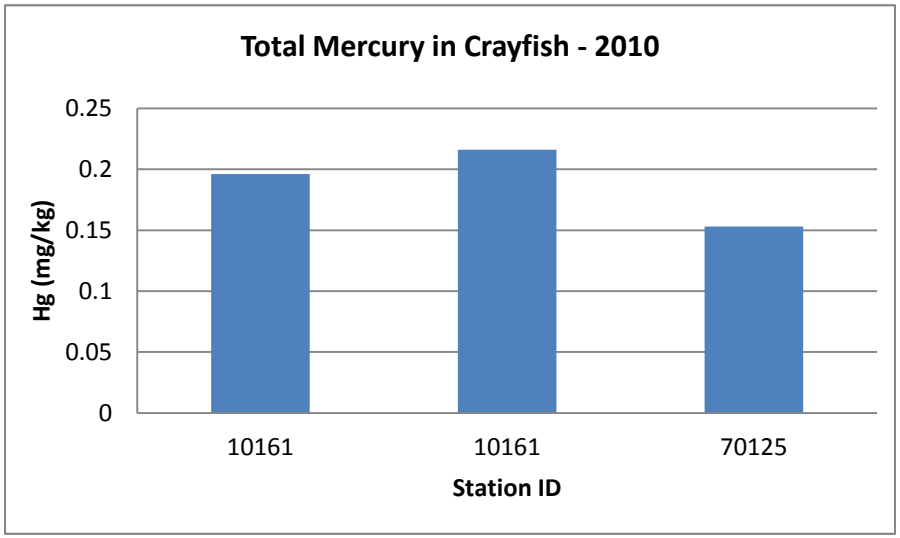
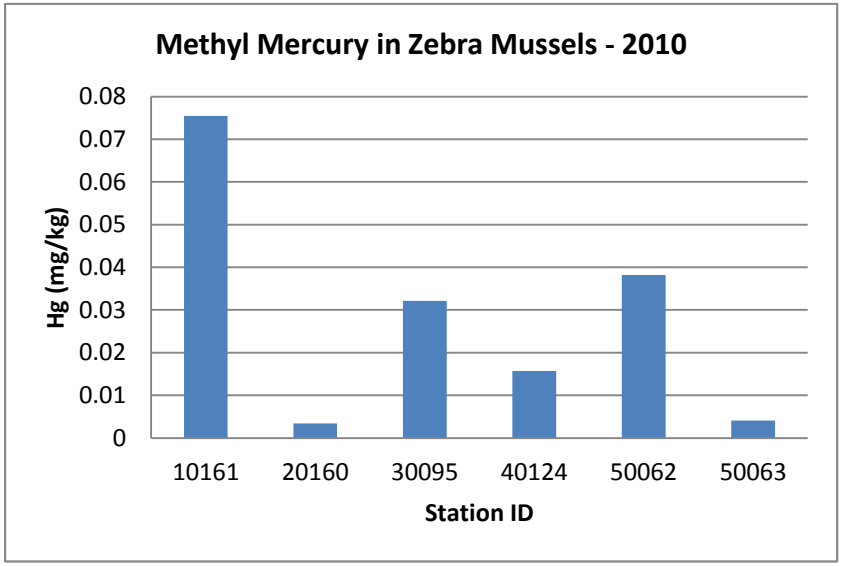


Figure 15. Mercury in Amphipods and Chironomids from Onondaga Lake - August 2010







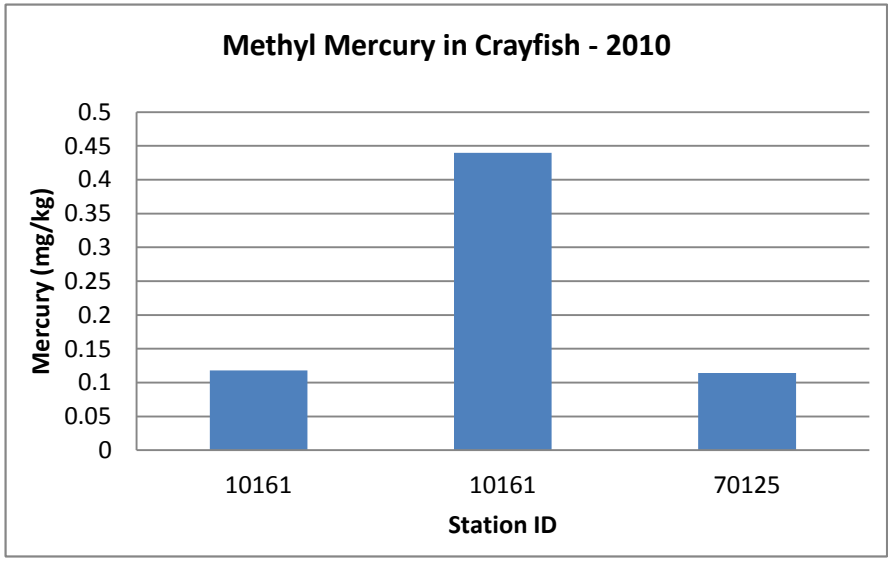


Figure 16. Mercury in Zebra Mussels and Crayfish from Onondaga Lake - August 2010

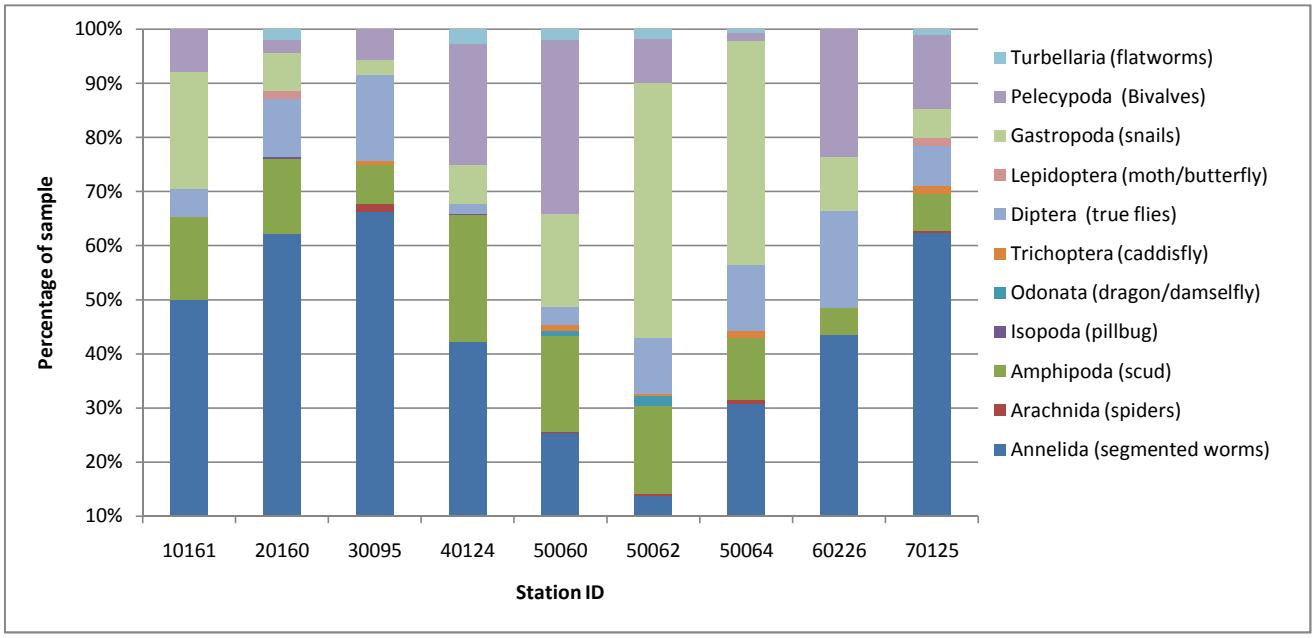


Figure 17. Benthic macroinvertebrate community from locations in Onondaga Lake - August 2010.
Note: Data based on the sum of three replicates at each location; each replicate contained 100 individuals when possible.

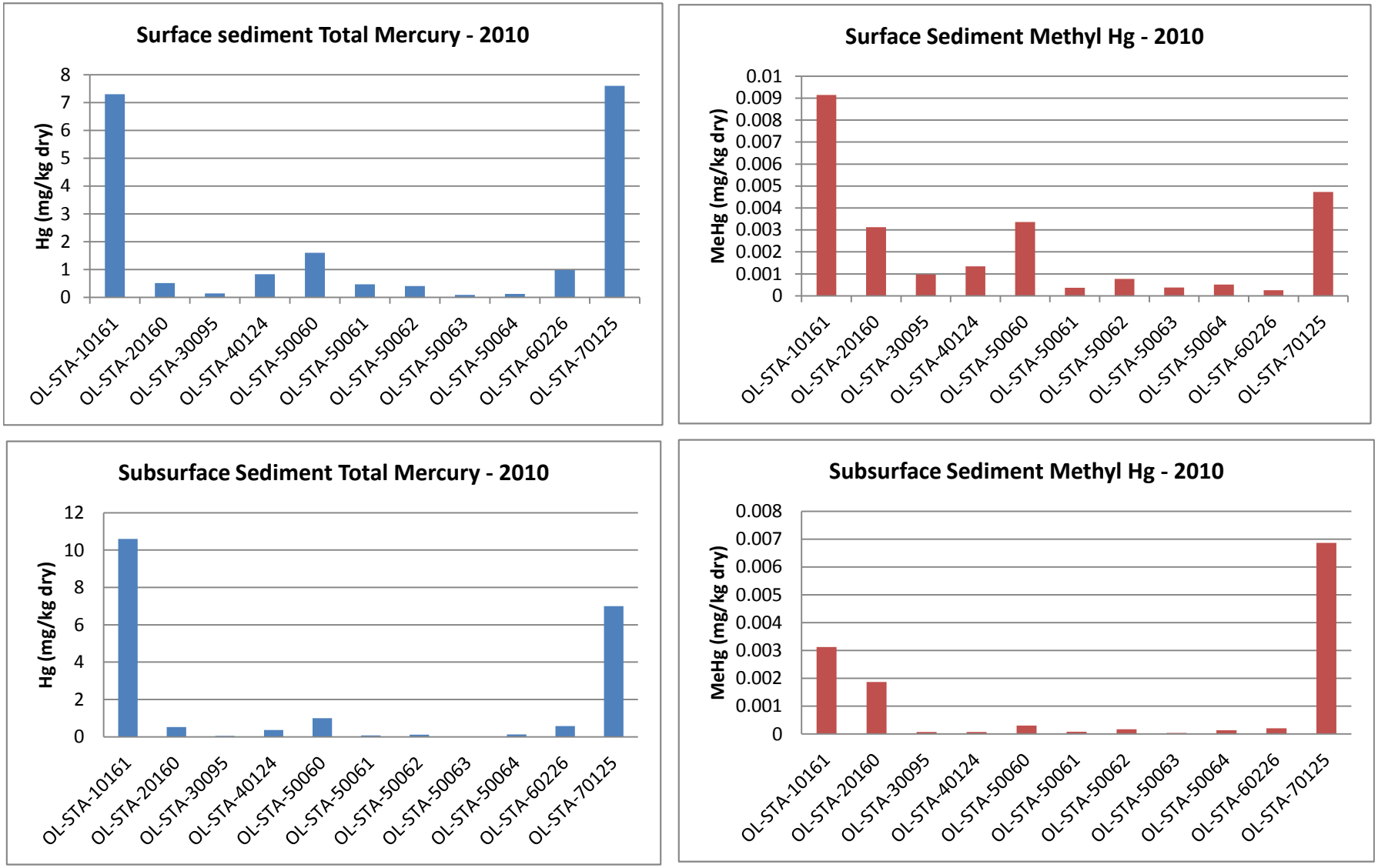
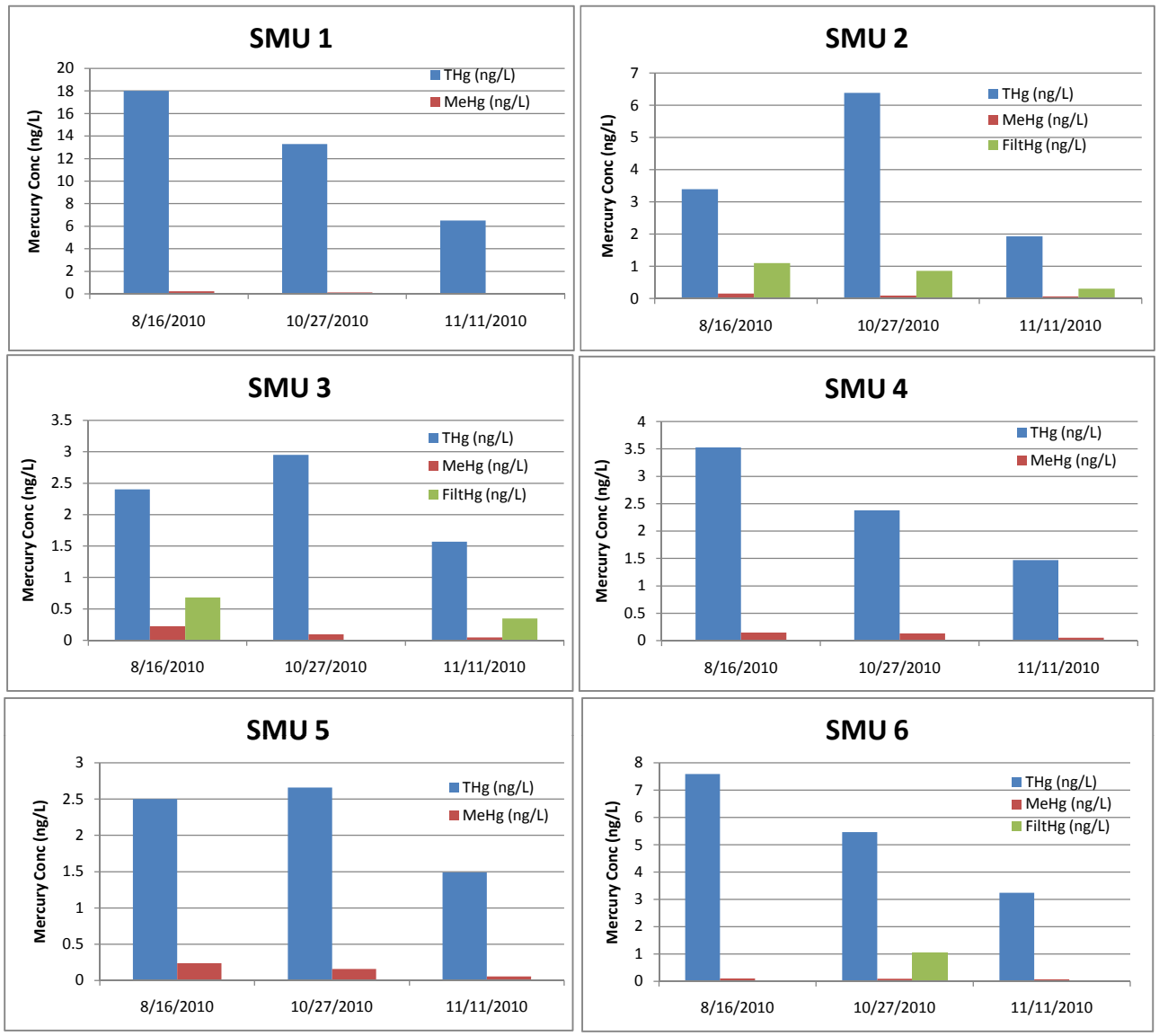


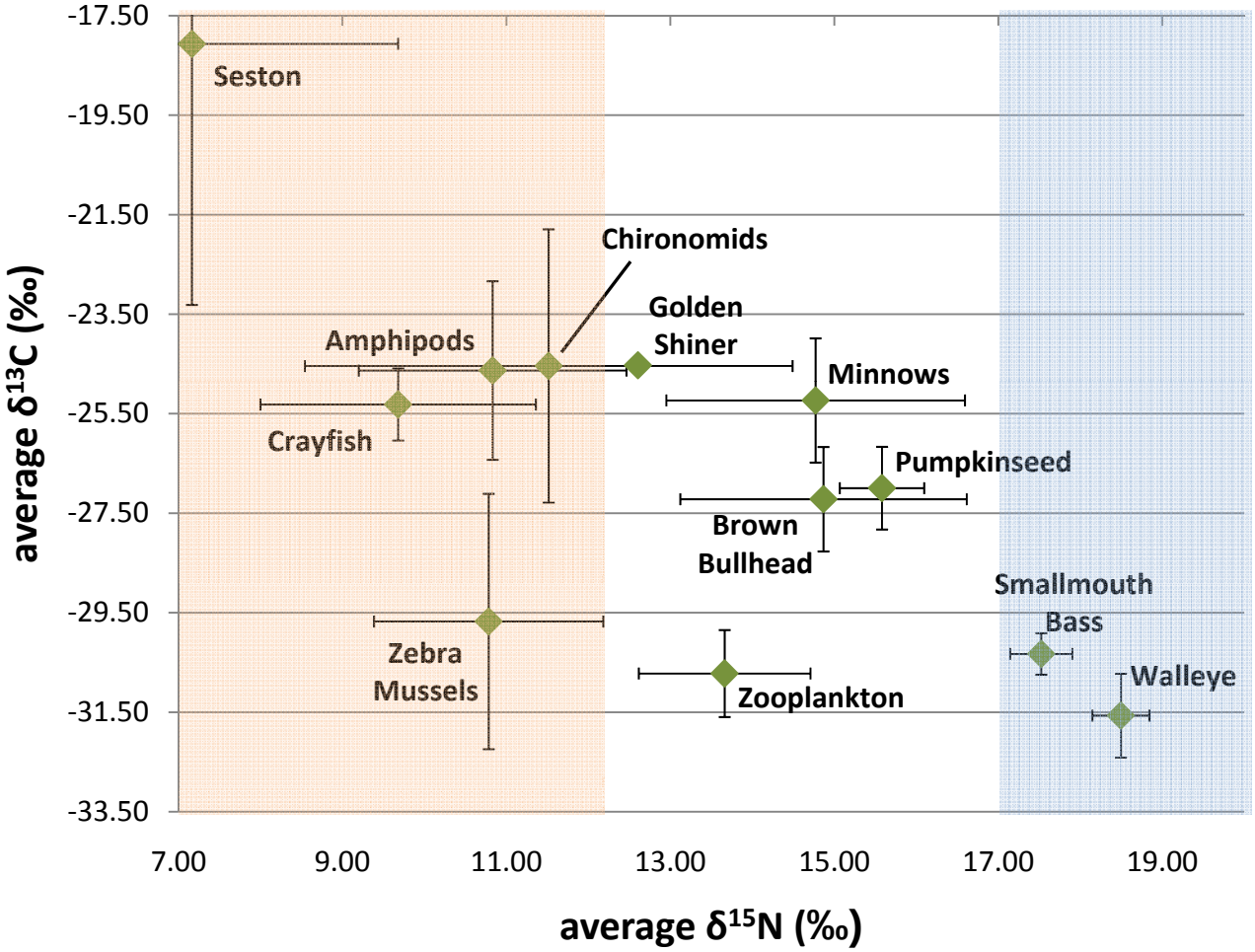
Figure 18. Mercury in Onondaga Lake surface and subsurface sediments - 2010.



Note: Lake turnover (i.e., mixing of the shallow and deep waters in the deep water zone) occurred on or about October 18, 2010.

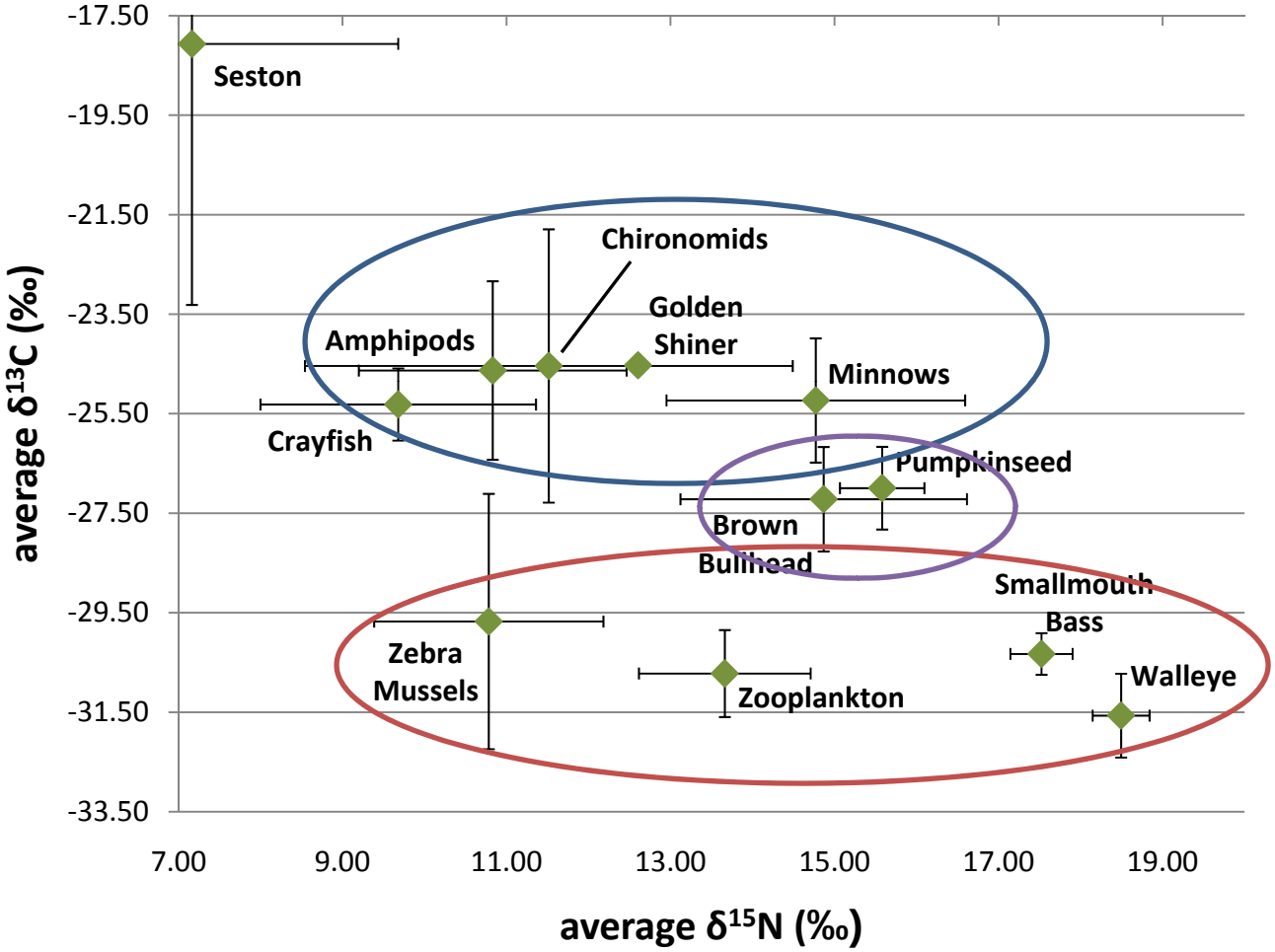
Figure 19. Littoral water sample results from Onondaga Lake pre- and post-lake turnover 2010.

Figure 20a Stable Isotope Results with Consumer Levels: Ratio of $\delta^{13}C$ to $\delta^{15}N$



• $\delta^{15}N$ results clearly identify upper level consumers (i.e. piscivores) and primary consumers, with more intermediate consumers in the middle

Figure 20b Stable Isotope Results Based on Food Sources: Ratio of $\delta^{13}C$ to $\delta^{15}N$



- Two distinct $\delta^{13}C$ clusters suggest two separate food sources (benthic and pelagic)
- Intermediate cluster suggests combination of food sources (omnivory)

APPENDIX A

DATA USABILITY AND SUMMARY REPORT, ONONDAGA LAKE BASELINE MONITORING BOOK 1 ADDENDUM 2 (2010): DEEP BASIN WATER AND ZOOPLANKTON MONITORING

APPENDIX A:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 1 FOR 2010: DEEP BASIN WATER AND ZOOPLANKTON MONITORING

Prepared For:

Honeywell

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

DECEMBER 2011

TABLE OF CONTENTS

Page

SECTION A1 DATA USABILITY SUMMARY A1-1

A1.1 LABORATORY DATA PACKAGES A1-1

A1.2 SAMPLING AND CHAIN-OF-CUSTODY A1-1

A1.3 LABORATORY ANALYTICAL METHODS A1-1
A1.3.1 Low Level Mercury Analysis A1-2
A1.3.2 Methyl Mercury Analysis A1-2
A1.3.3 Other Sediment Trap Analyses A1-2
A1.3.4 Other Water Column Analyses A1-3

SECTION A2 DATA VALIDATION REPORTS A2-1

A2.1 SURFACE WATER AND WATER COLUMN SAMPLES A2-1
A2.1.1 Total and Dissolved Low Level Mercury A2-1
A2.1.2 Methyl Mercury A2-2
A2.1.3 DOC, TIC, Chlorophyll, Chloride, Sulfide, Methane, Ferrous Iron, Nitrite, Nitrate-Nitrite, and Ammonia A2-3

A2.2 ZOOPLANKTON SAMPLES A2-4
A2.2.1 Low Level Mercury A2-4
A2.2.2 Methyl Mercury A2-5

A2.3 SEDIMENT TRAP SAMPLES A2-7
A2.3.1 Low Level Mercury A2-7
A2.3.2 Total and Dissolved Calcium, TOC, Total Carbon, TSS, and Total Fixed Solids A2-8

LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR SURFACE WATER AND WATER COLUMN SAMPLES

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR ZOOPLANKTON SAMPLES

ATTACHMENT A-3 VALIDATED LABORATORY DATA FOR SEDIMENT TRAP SAMPLES

SECTION A1

DATA USABILITY SUMMARY

Surface water, zooplankton, water column, and sediment trap samples were collected as part of the Book 1 baseline monitoring efforts for Onondaga Lake from March 29, 2010 through November 29, 2010. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Book 1 Work Plan
- Onondaga Lake Baseline Monitoring Book 1 QAPP (Appendix B of the Work Plan)
- USEPA Region II Standard Operating Procedures (SOPs) for inorganic data review

Upstate Freshwater Institute (UFI) in Syracuse, New York collected all of the Book 1 samples during 2010.

The analytical laboratories for this project were Brooks Rand Labs (BRL) in Seattle, Washington 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).

A1.1 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 15 to 67 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 A2.

A1.2 SAMPLING AND CHAIN-OF-CUSTODY

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

A1.3 LABORATORY ANALYTICAL METHODS

The surface water samples were collected from the site and analyzed for total and dissolved low level mercury and methyl mercury. Zooplankton samples were collected from the site and

analyzed for low level mercury and methyl mercury. Weekly sediment trap samples were collected from the site and analyzed for total and dissolved calcium, total organic carbon (TOC), total carbon, total suspended solids (TSS), and total fixed solids, while sediment trap samples were analyzed for low level mercury on a monthly to weekly basis. The water column samples were collected and analyzed for low level mercury, methyl mercury, dissolved organic carbon (DOC), total inorganic carbon (TIC), chlorophyll, chloride, sulfide, methane, ferrous iron, nitrite, nitrate-nitrite, and ammonia. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections A1.3.1 through A1.3.4. 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 A2. 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.

A1.3.1 Low Level Mercury Analysis

Surface water, zooplankton, sediment trap, and water column samples collected from the site were analyzed by BRL 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 field duplicate precision. The reported low level mercury analytical results were considered 100% complete (i.e., usable) for the data presented by BRL. PARCC requirements were met.

A1.3.2 Methyl Mercury Analysis

Surface water, zooplankton, and water column samples collected from the site were analyzed by BRL 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 field duplicate precision. The reported methyl mercury analytical results were considered 100% complete (i.e., usable) for the data presented by BRL. PARCC requirements were met.

A1.3.3 Other Sediment Trap Analyses

Sediment trap samples collected from the site were also analyzed by UFI using analytical SOPs for total and dissolved calcium, TOC, total carbon, TSS, and total fixed solids. Certain reported results for these parameters were qualified as estimated based upon holding times,

matrix spike recoveries, and sample triplicate precision. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by UFI. PARCC requirements were met.

A1.3.4 Other Water Column Analyses

Water column samples collected from the site were analyzed by UFI using analytical SOPs for DOC, TIC, chlorophyll, chloride, sulfide, methane, ferrous iron, nitrite, nitrate-nitrite, and ammonia. Certain reported results were qualified as estimated based upon holding times, matrix spike recoveries, laboratory control sample recoveries, laboratory duplicate precision, and instrument calibrations. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by UFI. PARCC requirements were met.

SECTION A2

DATA VALIDATION REPORTS

A2.1 SURFACE WATER AND WATER COLUMN SAMPLES

Data review has been completed for data packages generated by BRL and UFI containing surface water and water column 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 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.

A2.1.1 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 equipment blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS)
- 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 as discussed below.

Blank Contamination

The field equipment blank OL-1100-01 associated with samples collected on 5/24/10 contained total mercury above the reporting limit at a concentration of 0.76 ng/L; the field equipment blank OL-1122-01 associated with samples collected on 9/7/10 contained total mercury above the reporting limit at a concentration of 1.24 ng/L; and the field equipment blank OL-1146-01 associated with samples collected on 11/11/10 contained total mercury above the reporting limit at a concentration of 0.49 ng/L. Validation qualification of associated sample results was not required since sample results were not affected by the contamination found in these blanks.

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 BRL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-1.

A2.1.2 Methyl Mercury

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, and field equipment blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS)
- 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.

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 BRL were 100% complete (i.e., usable). The validated methyl mercury laboratory data are tabulated and presented in Attachment A-1.

A2.1.3 DOC, TIC, Chlorophyll, Chloride, Sulfide, Methane, Ferrous Iron, Nitrite, Nitrate-Nitrite, 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 results for the samples OL-1104-01, -02, and -03 were considered not detected and qualified "U" based upon similar concentrations detected in the associated laboratory blanks.

- The nitrate-nitrite results for samples OL-1110-01, -02, -03, -08, -12, and -14 were considered estimated, possibly biased low, and qualified "J" based upon exceedances of the 48-hour analytical holding time by five days.

- Positive nitrate-nitrite results for samples collected on 7/6/10 were considered estimated, possibly biased high, and qualified "J" based upon the associated matrix spike recovery exceeding the QC limit.

- The ferrous iron result for sample OL-1110-17 was considered not detected and qualified "U" based upon similar concentrations detected in the associated laboratory blanks.

- The DOC results for samples OL-1113-15 were considered estimated, possibly biased low, and qualified "J" based upon the associated continuing calibration verification recovery falling below the QC limit.

- The chlorophyll results for samples collected on 8/30/10 and 9/7/10 were considered estimated and qualified "J" based upon exceedances in laboratory duplicate precision.

- The TIC results for samples collected on 9/20/10 were considered estimated, possibly biased low, and qualified "J" based upon low LCS recoveries.

- The DOC results for samples collected on 10/18/10 and 10/26/10 were considered estimated, possibly biased low, and qualified "J" based upon low matrix spike recoveries.

It was noted that there were no sulfide results associated with samples collected on 10/4/10 due to an instrument malfunctioning at the laboratory which resulted in these samples along with all associated QC samples being compromised. Validation action 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-1.

A2.2 ZOOPLANKTON SAMPLES

Data review has been completed for data packages generated by BRL containing zooplankton 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 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.

A2.2.1 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)
- 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 field duplicate precision as discussed below.

Field Duplicate Precision

All field duplicate precision results for designated project field duplicates and their parent samples were considered acceptable with the exception of the mercury precision result (76%RPD) for the field duplicate pair OL-1140-08 and -09. The mercury results were considered estimated and qualified "J" for these samples.

Usability

All low level mercury sample results for the zooplankton 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 BRL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-2.

A2.2.2 Methyl Mercury

The following items were reviewed for compliancy in the methyl 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)
- 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 LCS recoveries and field duplicate precision as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low methyl mercury LCS recovery (41%R; QC limit 65-135%R) associated with zooplankton samples OL-1137-08, OL-1140-08, -09, and OL-1142-06. The methyl mercury results for these samples were considered estimated, possibly biased low, and qualified "J".

Field Duplicate Precision

All field duplicate precision results for designated project field duplicates and their parent samples were considered acceptable with the exception of the methyl mercury precision result (73%RPD) for the field duplicate pair OL-1140-08 and -09. The methyl mercury results were considered estimated and qualified "J" for these samples.

Usability

All methyl mercury sample results for the zooplankton 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 BRL were 100% complete (i.e., usable). The validated methyl mercury laboratory data are tabulated and presented in Attachment A-2.

A2.3 SEDIMENT TRAP SAMPLES

Data review has been completed for data packages generated by BRL 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-3. 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.

A2.3.1 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)
- 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 BRL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-3.

A2.3.2 Total and Dissolved Calcium, TOC, Total Carbon, TSS, and Total Fixed Solids

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 positive TOC results for samples OL-1090-01, -02, -03, OL-1091-01, -02, -03, OL-1106-01, -02, -03, OL-1107-12, -13, and -14 were considered estimated, possibly biased low, and qualified "J" based upon exceedances in the 28-day analytical holding time by two to ten days.
- The positive total carbon results for samples OL-1090-01, -02, -03, OL-1091-01, -02, -03, OL-1103-01, -02, -03, OL-1104-06, -07, -08, OL-1106-01, -02, and -03 were considered estimated, possibly biased low, and qualified "J" based upon exceedances in the 28-day analytical holding time by two to 22 days.
- The positive TOC results for triplicate samples OL-1109-01/-02/-03 were considered estimated and qualified "J" based upon poor precision.
- The positive total carbon results for triplicate samples OL-1141-06/-07/-08 were considered estimated and qualified "J" based upon poor precision.
- The positive TSS and total fixed solids results for triplicate samples OL-1118-01/-02/-03 and OL-1147-06/-07/-08 were considered estimated and qualified "J" based upon poor precision.

- The calcium results for samples OL-1127-15, -16, -17, OL-1131-14, -15, -16, OL-1133-14, -15, -16, OL-1136-13, -14, -15 were considered estimated, possibly biased high, and qualified "J" based upon the associated matrix spike recovery exceeding the QC limit.

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-3.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR SURFACE WATER AND WATER COLUMN SAMPLES

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1095-04		OL-1096-04		OL-1096-05		OL-1095-01		OL-1095-02		OL-1095-03		OL-1096-02	
			Sample Date	5/3/2010		5/3/2010		5/3/2010		5/3/2010		5/3/2010		5/3/2010		5/3/2010	
			SDG	UFICHM2010-008		1019008		1019008		UFICHM2010-008		UFICHM2010-008		UFICHM2010-008		1019008	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L			0.000042	J	0.00005	J							0.000056	
N	E1631	MERCURY	ug/L			0.00315		0.00275								0.0036	
N	UFI SOP	CHLORIDE	mg/L	400						400		390		400			
N	UFI SOP	CHLOROPHYLL-A	ug/L	3.8						9.1		7.7		9.1			
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l	0.023						0.024		0.025		0.023			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.155						0.128		0.128		0.125			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.389						2.484		2.491		2.473			
N	UFI SOP	SULFIDE	mg/L														
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	47.7						46.9		44.8		44.9			
Y	E1631	MERCURY	ug/L													0.00049	J
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.8						3		2.9		2.9			
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		39.6-39.6 FT		39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1096-03		OL-1099-04		OL-1100-04		OL-1099-05		OL-1100-05		OL-1099-01		OL-1099-02	
			Sample Date	5/3/2010		5/24/2010		5/24/2010		5/24/2010		5/24/2010		5/24/2010		5/24/2010	
			SDG	1019008		UFICHM2010-014		1022005		UFICHM2010-014		1022005		UFICHM2010-014		UFICHM2010-014	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L	0.000056				0.00005	J			0.000056					
N	E1631	MERCURY	ug/L	0.00357				0.00269				0.00176					
N	UFI SOP	CHLORIDE	mg/L			400				400				390		390	
N	UFI SOP	CHLOROPHYLL-A	ug/L			14.3								12.6		11.7	
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l			0.028				0.03				0.027		0.027	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.115				0.204				0.03		0.031	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			2.376				2.206				2.551		2.555	
N	UFI SOP	SULFIDE	mg/L														
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			46.1				47.3				46.2		46.2	
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			2.9				2.8				2.9		2.9	
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1099-03		OL-1100-02		OL-1100-03		OL-1104-04		OL-1105-04		OL-1104-05		OL-1105-05	
			Sample Date	5/24/2010		5/24/2010		5/24/2010		6/21/2010		6/21/2010		6/21/2010		6/21/2010	
			SDG	UFICHM2010-014		1022005		1022005		UFICHM2010-019		1026002		UFICHM2010-019		1026002	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water	
			Sample Purpose	Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L			0.00008		0.000068				0.000039	J			0.000054	
N	E1631	MERCURY	ug/L			0.00153		0.0024				0.00261				0.00304	
N	UFI SOP	CHLORIDE	mg/L	390						400				400			
N	UFI SOP	CHLOROPHYLL-A	ug/L	12.7						4.3							
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l	0.027						0.046				0.201			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.027						0.195				0.35			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.541						2.128				1.931			
N	UFI SOP	SULFIDE	mg/L														
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	45.3						46.4				49.7			
Y	E1631	MERCURY	ug/L			0.00097											
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.9						2.6				2.6			
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		39.6-39.6 FT	
			Field Sample ID	OL-1104-01		OL-1104-02		OL-1104-03		OL-1105-02		OL-1105-03		OL-1107-04		OL-1108-04	
			Sample Date	6/21/2010		6/21/2010		6/21/2010		6/21/2010		6/21/2010		7/6/2010		7/6/2010	
			SDG	UFICHM2010-019		UFICHM2010-019		UFICHM2010-019		1026002		1026002		UFICHM2010-020		1028011	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L							0.000101		0.000087				0.000054	
N	E1631	MERCURY	ug/L							0.00317		0.00332				0.00624	
N	UFI SOP	CHLORIDE	mg/L	390		370		390						390			
N	UFI SOP	CHLOROPHYLL-A	ug/L	8.8		9.4		10.5						1.1			
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l	0.035		0.033		0.033						0.01	U		
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.026	U	0.026	U	0.026	U					0.017	J		
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.46		2.414		2.442						2.37	J		
N	UFI SOP	SULFIDE	mg/L														
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	37.8		37.8		38.7						45.7			
Y	E1631	MERCURY	ug/L							0.00075							
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.2		3.3		3.3						2.4			
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1107-05		OL-1107-06		OL-1108-05		OL-1107-07		OL-1107-08		OL-1107-09		OL-1107-10	
			Sample Date	7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010	
			SDG	UFICHM2010-020		UFICHM2010-020		1028011		UFICHM2010-020		UFICHM2010-020		UFICHM2010-020		UFICHM2010-020	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L					0.000046	J								
N	E1631	MERCURY	ug/L					0.00538									
N	UFI SOP	CHLORIDE	mg/L			390						390					
N	UFI SOP	CHLOROPHYLL-A	ug/L														
N	UFI SOP	FERROUS IRON (II)	ug/l			10	U							4	J	10	U
N	UFI SOP	METHANE	ug/L			100	U							200	J	200	J
N	UFI SOP	NITRITE	mg/l			0.286						0.328					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.109						0.464					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			2.065	J					2.05	J				
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U			0.068	U			0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			50.1						50.9					
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			2.5						2.8					
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1107-11		OL-1108-06		OL-1107-01		OL-1107-02		OL-1107-03		OL-1108-02		OL-1108-03	
			Sample Date	7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010		7/6/2010	
			SDG	UFICHM2010-020		1028011		UFICHM2010-020		UFICHM2010-020		UFICHM2010-020		1028011		1028011	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Second field dup		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L			0.000065								0.000135		0.000112	
N	E1631	MERCURY	ug/L			0.00473								0.00282		0.0031	
N	UFI SOP	CHLORIDE	mg/L					400		400		400					
N	UFI SOP	CHLOROPHYLL-A	ug/L					6.3		6		5.7					
N	UFI SOP	FERROUS IRON (II)	ug/l	3	J												
N	UFI SOP	METHANE	ug/L	200	J												
N	UFI SOP	NITRITE	mg/l					0.036		0.037		0.036					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L					0.024	J	0.025	J	0.025	J				
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L					2.535	J	2.49	J	2.511	J				
N	UFI SOP	SULFIDE	mg/L	0.068	U												
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l					35.1		35.5		35.4					
Y	E1631	MERCURY	ug/L											0.0009			
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L					3		3.1		3.1					
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	26.4-26.4 FT		29.7-29.7 FT		33-33 FT		36.3-36.3 FT		39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT	
			Field Sample ID	OL-1110-04		OL-1110-05		OL-1110-06		OL-1110-07		OL-1110-08		OL-1111-04		OL-1110-09	
			Sample Date	7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010	
			SDG	CHM2010-022		CHM2010-022		CHM2010-022		CHM2010-022		CHM2010-022		1030011		CHM2010-022	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L											0.000034	J		
N	E1631	MERCURY	ug/L											0.00149			
N	UFI SOP	CHLORIDE	mg/L									390					
N	UFI SOP	CHLOROPHYLL-A	ug/L									1.4					
N	UFI SOP	FERROUS IRON (II)	ug/l									10	U				
N	UFI SOP	METHANE	ug/L									500	U				
N	UFI SOP	NITRITE	mg/l									0.037					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L									0.069					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L									1.937	J				
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l									49.5					
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L									2.5					
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1110-10		OL-1110-11		OL-1110-12		OL-1111-05		OL-1110-13		OL-1110-14		OL-1110-15	
			Sample Date	7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010	
			SDG	CHM2010-022		CHM2010-022		CHM2010-022		1030011		CHM2010-022		CHM2010-022		CHM2010-022	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L							0.000067							
N	E1631	MERCURY	ug/L							0.00193							
N	UFI SOP	CHLORIDE	mg/L					390						390			
N	UFI SOP	CHLOROPHYLL-A	ug/L														
N	UFI SOP	FERROUS IRON (II)	ug/l					10	U							10	U
N	UFI SOP	METHANE	ug/L					500	U							800	
N	UFI SOP	NITRITE	mg/l					0.213						0.209			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L					0.28						0.602			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L					1.663	J					1.454	J		
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U	0.068	U			0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l					49.7						48.8			
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L					2.6						2.7			
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1110-16		OL-1110-17		OL-1111-06		OL-1110-01		OL-1110-02		OL-1110-03		OL-1111-02	
			Sample Date	7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010		7/19/2010	
			SDG	CHM2010-022		CHM2010-022		1030011		CHM2010-022		CHM2010-022		CHM2010-022		1030011	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L					0.000058								0.000132	
N	E1631	MERCURY	ug/L					0.00165								0.00258	
N	UFI SOP	CHLORIDE	mg/L							400		400		400			
N	UFI SOP	CHLOROPHYLL-A	ug/L							13.1		12.7		13.6			
N	UFI SOP	FERROUS IRON (II)	ug/l	10	U	10	U										
N	UFI SOP	METHANE	ug/L	700		1900											
N	UFI SOP	NITRITE	mg/l							0.043		0.042		0.042			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L							0.028		0.027		0.028			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L							2.202	J	2.12	J	2.149	J		
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U										
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l							31.2		31.7		31.7			
Y	E1631	MERCURY	ug/L													0.00052	
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L							4.1		3.8		3.8			
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		23.1-23.1 FT		26.4-26.4 FT		29.7-29.7 FT		33-33 FT		36.3-36.3 FT		39.6-39.6 FT	
			Field Sample ID	OL-1111-03		OL-1113-04		OL-1113-05		OL-1113-06		OL-1113-07		OL-1113-08		OL-1113-09	
			Sample Date	7/19/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010	
			SDG	1030011		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L	0.000135													
N	E1631	MERCURY	ug/L	0.00269													
N	UFI SOP	CHLORIDE	mg/L													400	
N	UFI SOP	CHLOROPHYLL-A	ug/L													1.1	
N	UFI SOP	FERROUS IRON (II)	ug/l													10	U
N	UFI SOP	METHANE	ug/L													500	U
N	UFI SOP	NITRITE	mg/l													0.112	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L													0.181	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L													2.043	
N	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l													47.8	
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L													2.4	
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		42.9-42.9 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT	
			Field Sample ID	OL-1114-04		OL-1113-10		OL-1113-11		OL-1113-12		OL-1113-13		OL-1114-05		OL-1113-14	
			Sample Date	8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010	
			SDG	1032011		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		1032011		UFICHM2010-025	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L	0.000071										0.000081			
N	E1631	MERCURY	ug/L	0.00155										0.00158			
N	UFI SOP	CHLORIDE	mg/L									400					
N	UFI SOP	CHLOROPHYLL-A	ug/L														
N	UFI SOP	FERROUS IRON (II)	ug/l									3	J				
N	UFI SOP	METHANE	ug/L									500					
N	UFI SOP	NITRITE	mg/l									0.165					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L									0.518					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L									1.664					
N	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U	0.068	U	0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l									49.4					
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L									2.5					
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1113-15		OL-1113-16		OL-1113-17		OL-1113-18		OL-1114-06		OL-1113-01		OL-1113-02	
			Sample Date	8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010	
			SDG	UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		UFICHM2010-025		1032011		UFICHM2010-025		UFICHM2010-025	
			Matrix	Water		Water		Water		WATER		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L									0.000149					
N	E1631	MERCURY	ug/L									0.00154					
N	UFI SOP	CHLORIDE	mg/L	400										380		390	
N	UFI SOP	CHLOROPHYLL-A	ug/L											6		5.8	
N	UFI SOP	FERROUS IRON (II)	ug/l			10	U	3	J	10	U						
N	UFI SOP	METHANE	ug/L			900		1000		900							
N	UFI SOP	NITRITE	mg/l	0.114										0.049		0.032	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.806										0.048		0.065	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.363										2.543		2.576	
N	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U	0.068	U						
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	51.8										32.1		31.7	
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.5	J									3.5		3.5	
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		23.1-23.1 FT		26.4-26.4 FT		29.7-29.7 FT		33-33 FT	
			Field Sample ID	OL-1113-03		OL-1114-02		OL-1114-03		OL-1116-04		OL-1116-05		OL-1116-06		OL-1116-07	
			Sample Date	8/2/2010		8/2/2010		8/2/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010	
			SDG	UFICHM2010-025		1032011		1032011		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L			0.000142		0.000145									
N	E1631	MERCURY	ug/L			0.00347		0.00362									
N	UFI SOP	CHLORIDE	mg/L	390													
N	UFI SOP	CHLOROPHYLL-A	ug/L	5.8													
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l	0.05													
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.047													
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.467													
N	UFI SOP	SULFIDE	mg/L							0.068	U	0.068	U	0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	31.7													
Y	E1631	MERCURY	ug/L			0.00081											
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.5													
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	36.3-36.3 FT		39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT	
			Field Sample ID	OL-1116-08		OL-1116-09		OL-1117-04		OL-1116-10		OL-1116-11		OL-1116-12		OL-1116-13	
			Sample Date	8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010	
			SDG	UFICHM2010-027		UFICHM2010-027		1034003		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L					0.000086									
N	E1631	MERCURY	ug/L					0.00239									
N	UFI SOP	CHLORIDE	mg/L			400										390	
N	UFI SOP	CHLOROPHYLL-A	ug/L			0.9											
N	UFI SOP	FERROUS IRON (II)	ug/l			10	U									10	U
N	UFI SOP	METHANE	ug/L			300	J									900	
N	UFI SOP	NITRITE	mg/l			0.115										0.164	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.306										0.521	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			1.667										1.398	
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U			0.068	U	0.068	U	0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			49.4										49.7	
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			2.7										2.6	
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1117-05		OL-1116-14		OL-1116-15		OL-1116-16		OL-1116-17		OL-1116-18		OL-1117-06	
			Sample Date	8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010	
			SDG	1034003		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		1034003	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L	0.000134												0.000178	
N	E1631	MERCURY	ug/L	0.00202												0.00189	
N	UFI SOP	CHLORIDE	mg/L					390									
N	UFI SOP	CHLOROPHYLL-A	ug/L														
N	UFI SOP	FERROUS IRON (II)	ug/l							10	U	10	U	10	U		
N	UFI SOP	METHANE	ug/L							900		600		1100			
N	UFI SOP	NITRITE	mg/l					0.054									
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L					0.923									
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L					0.956									
N	UFI SOP	SULFIDE	mg/L			0.068	U			0.068	U	0.068	U	0.068	U		
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l					53.9									
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L					2.8									
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		29.7-29.7 FT		33-33 FT	
			Field Sample ID	OL-1116-01		OL-1116-02		OL-1116-03		OL-1117-02		OL-1117-03		OL-1119-04		OL-1119-05	
			Sample Date	8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/16/2010		8/30/2010		8/30/2010	
			SDG	UFICHM2010-027		UFICHM2010-027		UFICHM2010-027		1034003		1034003		UFICHM2010-028		UFICHM2010-028	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L							0.000129		0.000183					
N	E1631	MERCURY	ug/L							0.00271		0.00288					
N	UFI SOP	CHLORIDE	mg/L	400		410		400									
N	UFI SOP	CHLOROPHYLL-A	ug/L	7.8		7.4		7.3									
N	UFI SOP	FERROUS IRON (II)	ug/l														
N	UFI SOP	METHANE	ug/L														
N	UFI SOP	NITRITE	mg/l	0.055		0.058		0.057									
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.078		0.081		0.086									
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.273		2.249		2.278									
N	UFI SOP	SULFIDE	mg/L											0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	32.5		33.2		33.4									
Y	E1631	MERCURY	ug/L							0.00055							
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.7		3.8		3.8									
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	36.3-36.3 FT		39.6-39.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1119-06		OL-1119-07		OL-1119-01		OL-1119-02		OL-1119-03		OL-1120-02		OL-1120-03	
			Sample Date	8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010	
			SDG	UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		1036006		1036006	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units														
N	E1630	METHYL MERCURY	ug/L											0.000119		0.000112	
N	E1631	MERCURY	ug/L											0.00169		0.00145	
N	UFI SOP	CHLORIDE	mg/L			397.4		357.6		357.6		357.6					
N	UFI SOP	CHLOROPHYLL-A	ug/L			1.6	J	14.5	J	15.6	J	11.6	J				
N	UFI SOP	FERROUS IRON (II)	ug/l			4	J										
N	UFI SOP	METHANE	ug/L			400	J										
N	UFI SOP	NITRITE	mg/l			0.076		0.05		0.052		0.05					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.405		0.019	J	0.02	J	0.019	J				
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			1.418		2.368		2.405		2.359					
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U										
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			47.7		32.2		32.1		32.9					
Y	E1631	MERCURY	ug/L														
Y	UFI SOP	CHLORIDE	mg/L														
Y	UFI SOP	CHLOROPHYLL-A	ug/L														
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			2.9		4.1		4.1		4					
Y	UFI SOP	NITRITE	mg/l														
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L														
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L														
Y	UFI SOP	SULFIDE	mg/L														
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l														

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		42.9-42.9 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT	
			Field Sample ID	OL-1120-04		OL-1119-08		OL-1119-09		OL-1119-10		OL-1119-11		OL-1120-05		OL-1119-12		OL-1119-13	
			Sample Date	8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010		8/30/2010	
			SDG	1036006		UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		1036006		UFICHM2010-028		UFICHM2010-028	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L	8.30E-05										1.13E-04					
N	E1631	MERCURY	ug/L	0.00131										0.00123					
N	UFI SOP	CHLORIDE	mg/L									397.4						387.5	
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l									10	U						
N	UFI SOP	METHANE	ug/L									800							
N	UFI SOP	NITRITE	mg/l									0.075						0.02	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L									0.824						1.12	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L									1.126						0.662	
N	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U	0.068	U	0.068	U			0.068	U		
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l									50.3						51.7	
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L									2.9						3.1	
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		26.4-26.4 Ft		29.7-29.7 FT		33-33 FT		36.3-36.3 FT	
			Field Sample ID	OL-1119-14		OL-1119-15		OL-1119-16		OL-1120-06		OL-1121-04		OL-1121-05		OL-1121-06		OL-1121-07	
			Sample Date	8/30/2010		8/30/2010		8/30/2010		8/30/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010	
			SDG	UFICHM2010-028		UFICHM2010-028		UFICHM2010-028		1036006		UFICHM2010-030		UFICHM2010-030		UFICHM2010-030		UFICHM2010-030	
			Matrix	Water		Water		Water		Water		WATER		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field dup		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L							1.33E-04									
N	E1631	MERCURY	ug/L							0.00154									
N	UFI SOP	CHLORIDE	mg/L																
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l	10	U	3	J	3	J										
N	UFI SOP	METHANE	ug/L	1500		1600		1300											
N	UFI SOP	NITRITE	mg/l																
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U	0.068	U			0.068	U	0.068	U	0.068	U	0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l																
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L																
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT		46.2-46.2 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT	
			Field Sample ID	OL-1121-08		OL-1122-04		OL-1121-09		OL-1121-10		OL-1122-05		OL-1121-11		OL-1121-12		OL-1122-06	
			Sample Date	9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010	
			SDG	UFICHM2010-030		1037005		UFICHM2010-030		UFICHM2010-030		1037005		UFICHM2010-030		UFICHM2010-030		1037005	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			9.30E-05						1.76E-04						1.61E-04	
N	E1631	MERCURY	ug/L			0.00248						0.00267						0.00274	
N	UFI SOP	CHLORIDE	mg/L	397.4						397.4						387.5			
N	UFI SOP	CHLOROPHYLL-A	ug/L	0.9	J														
N	UFI SOP	FERROUS IRON (II)	ug/l	10	U					10	U					10	U		
N	UFI SOP	METHANE	ug/L	600						800						1000			
N	UFI SOP	NITRITE	mg/l	0.006	J					0.016						0.05			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.453						0.68						0.781			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.107						0.929						0.904			
N	UFI SOP	SULFIDE	mg/L	0.068	U			0.068	U	0.068	U			0.068	U	0.068	U		
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	51.9						53.7						53.4			
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.9												2.8			
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1121-13		OL-1121-14		OL-1121-15		OL-1121-16		OL-1121-17		OL-1122-07		OL-1121-01		OL-1121-02	
			Sample Date	9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010		9/7/2010	
			SDG	UFICHM2010-030		UFICHM2010-030		UFICHM2010-030		UFICHM2010-030		UFICHM2010-030		1037005		UFICHM2010-030		UFICHM2010-030	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L											3.36E-04					
N	E1631	MERCURY	ug/L											0.00418					
N	UFI SOP	CHLORIDE	mg/L			397.4										367.6		377.5	
N	UFI SOP	CHLOROPHYLL-A	ug/L													5.3	J	6.6	J
N	UFI SOP	FERROUS IRON (II)	ug/l					3	J	10	U	4	J						
N	UFI SOP	METHANE	ug/L					1300		1300		1300							
N	UFI SOP	NITRITE	mg/l			0.004	J									0.046		0.045	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			1.442										0.081		0.081	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			0.332										1.879		1.856	
N	UFI SOP	SULFIDE	mg/L	0.068	U			0.068	U	0.068	U	0.068	U						
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			54										33.6		33.6	
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			3										3.8		3.9	
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		36.3-36.3 FT		39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT	
			Field Sample ID	OL-1121-03		OL-1122-02		OL-1122-03		OL-1123-04		OL-1123-05		OL-1123-06		OL-1124-04		OL-1123-07	
			Sample Date	9/7/2010		9/7/2010		9/7/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010	
			SDG	UFICHM2010-030		1037005		1037005		UFICHM2010-034		UFICHM2010-034		UFICHM2010-034		1038009		UFICHM2010-034	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			1.17E-04		1.09E-04								1.03E-04			
N	E1631	MERCURY	ug/L			0.00351		0.00397								0.0019			
N	UFI SOP	CHLORIDE	mg/L	367.6										430					
N	UFI SOP	CHLOROPHYLL-A	ug/L	6.6	J									0.5					
N	UFI SOP	FERROUS IRON (II)	ug/l											10	U				
N	UFI SOP	METHANE	ug/L											700					
N	UFI SOP	NITRITE	mg/l	0.044										0.004	J				
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.081										0.864					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.879										1.279					
N	UFI SOP	SULFIDE	mg/L							0.068	U	0.068	U	0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	33.7										49.1					
Y	E1631	MERCURY	ug/L			0.00107													
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.8										2.8					
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	46.2-46.2 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1123-08		OL-1124-05		OL-1123-09		OL-1123-10		OL-1124-06		OL-1123-11		OL-1123-12		OL-1123-13	
			Sample Date	9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010	
			SDG	UFICHM2010-034		1038009		UFICHM2010-034		UFICHM2010-034		1038009		UFICHM2010-034		UFICHM2010-034		UFICHM2010-034	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			1.55E-04						2.50E-04							
N	E1631	MERCURY	ug/L			0.00177						0.00364							
N	UFI SOP	CHLORIDE	mg/L	410						400									
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l							10	U							5	J
N	UFI SOP	METHANE	ug/L							1200								1800	
N	UFI SOP	NITRITE	mg/l	0.008	J					0.008	J								
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.741						1.01									
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.035						0.843									
N	UFI SOP	SULFIDE	mg/L	0.068	U			0.068	U	0.068	U			0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	51.6						51.9						55.2			
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L							3									
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1123-14		OL-1123-15		OL-1124-07		OL-1123-01		OL-1123-02		OL-1123-03		OL-1124-02		OL-1124-03	
			Sample Date	9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010		9/13/2010	
			SDG	UFICHM2010-034		UFICHM2010-034		1038009		UFICHM2010-034		UFICHM2010-034		UFICHM2010-034		1038009		1038009	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L					8.79E-04								1.15E-04		1.06E-04	
N	E1631	MERCURY	ug/L					0.00362								0.00341		0.00299	
N	UFI SOP	CHLORIDE	mg/L							380		390		390					
N	UFI SOP	CHLOROPHYLL-A	ug/L							5.1		6.8		7.3					
N	UFI SOP	FERROUS IRON (II)	ug/l	10	U	10	U												
N	UFI SOP	METHANE	ug/L	1700		1600													
N	UFI SOP	NITRITE	mg/l							0.051		0.052		0.052					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L							0.123		0.123		0.125					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L							2.163		2.116		2.18					
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U												
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l							35.8		34.5		35					
Y	E1631	MERCURY	ug/L													0.00046			
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L							3.9		3.7		3.7					
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		36.3-36.3 FT		39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT		46.2-46.2 FT		46.2-46.2 FT		49.5-49.5 FT	
			Field Sample ID	OL-1126-01		OL-1127-04		OL-1127-05		OL-1128-04		OL-1127-06		OL-1127-07		OL-1128-05		OL-1127-08	
			Sample Date	9/14/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010	
			SDG	UFICHM2010-034		UFICHM2010-035		UFICHM2010-035		1039012		UFICHM2010-035		UFICHM2010-035		1039012		UFICHM2010-035	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L							8.00E-05						1.69E-04			
N	E1631	MERCURY	ug/L							0.00198						0.00189			
N	UFI SOP	CHLORIDE	mg/L	400				437.1						407.3					
N	UFI SOP	CHLOROPHYLL-A	ug/L					2.9											
N	UFI SOP	FERROUS IRON (II)	ug/l					10	U										
N	UFI SOP	METHANE	ug/L					300	J										
N	UFI SOP	NITRITE	mg/l	0.005	J			0.01	U					0.01	U				
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.829				0.526						0.736					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	0.937				1.251						0.953					
N	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U			0.068	U	0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l					53	J					55.2	J				
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3				2.8											
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1127-09		OL-1128-06		OL-1127-10		OL-1127-11		OL-1127-12		OL-1127-13		OL-1127-14		OL-1128-07	
			Sample Date	9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010	
			SDG	UFICHM2010-035		1039012		UFICHM2010-035		UFICHM2010-035		UFICHM2010-035		UFICHM2010-035		UFICHM2010-035		1039012	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			3.02E-04												6.31E-04	
N	E1631	MERCURY	ug/L			0.00167												0.00235	
N	UFI SOP	CHLORIDE	mg/L	407.3						407.3									
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l	5	J							10	U	5	J	10	U		
N	UFI SOP	METHANE	ug/L	1300								1600		1700		1700			
N	UFI SOP	NITRITE	mg/l	0.01	U					0.01	U								
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.938						1.243									
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	0.817						0.479									
N	UFI SOP	SULFIDE	mg/L	0.068	U			0.068	U			0.068	U	0.068	U	0.068	U		
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	56.1	J					58	J								
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.8						3									
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		39.6-39.6 FT		42.9-42.9 FT	
			Field Sample ID	OL-1127-01		OL-1127-02		OL-1127-03		OL-1128-02		OL-1128-03		OL-1131-04		OL-1132-04		OL-1131-05	
			Sample Date	9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/20/2010		9/27/2010		9/27/2010		9/27/2010	
			SDG	UFICHM2010-035		UFICHM2010-035		UFICHM2010-035		1039012		1039012		CHM2010-036		1040020		CHM2010-036	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L							9.10E-05		9.20E-05				1.07E-04			
N	E1631	MERCURY	ug/L							0.00254		0.00224				0.00166			
N	UFI SOP	CHLORIDE	mg/L	387.5		397.4		397.4						447.1					
N	UFI SOP	CHLOROPHYLL-A	ug/L	13.4		11.4		13.5						3.4					
N	UFI SOP	FERROUS IRON (II)	ug/l											5	J				
N	UFI SOP	METHANE	ug/L											500	U				
N	UFI SOP	NITRITE	mg/l	0.04		0.039		0.041						0.023					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.076		0.075		0.076						0.4					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	2.226		2.133		2.165						1.564					
N	UFI SOP	SULFIDE	mg/L											0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	38.5	J	37.2	J	38.5	J					47.4					
Y	E1631	MERCURY	ug/L							0.00042									
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.5		3.6		3.5						2.8					
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	46.2-46.2 FT		46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1131-06		OL-1132-05		OL-1131-07		OL-1131-08		OL-1132-06		OL-1131-09		OL-1131-10		OL-1131-11	
			Sample Date	9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010	
			SDG	CHM2010-036		1040020		CHM2010-036		CHM2010-036		1040020		CHM2010-036		CHM2010-036		CHM2010-036	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			1.76E-04						3.16E-04							
N	E1631	MERCURY	ug/L			0.00176						0.0015							
N	UFI SOP	CHLORIDE	mg/L	427.2						397.4						407.3			
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l							10	U							7	J
N	UFI SOP	METHANE	ug/L							1300								2200	
N	UFI SOP	NITRITE	mg/l	0.004	J					0.004	J					0.01	U		
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.696						0.965						1.581			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	0.954						0.663						0.201			
N	UFI SOP	SULFIDE	mg/L	0.068	U			0.068	U	0.068	U			0.068	U			0.068	U
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	51.8						54.3						57.4			
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	2.8						2.8						3			
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1131-12		OL-1131-13		OL-1132-07		OL-1131-01		OL-1131-02		OL-1131-03		OL-1132-02		OL-1132-03	
			Sample Date	9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010		9/27/2010	
			SDG	CHM2010-036		CHM2010-036		1040020		CHM2010-036		CHM2010-036		CHM2010-036		1040020		1040020	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L					1.28E-03								1.10E-04		1.10E-04	
N	E1631	MERCURY	ug/L					0.00353								0.00331		0.00397	
N	UFI SOP	CHLORIDE	mg/L							407.3		397.4		407.3					
N	UFI SOP	CHLOROPHYLL-A	ug/L							11		10.4		11.4					
N	UFI SOP	FERROUS IRON (II)	ug/l	5	J	10	U												
N	UFI SOP	METHANE	ug/L	2100		2000													
N	UFI SOP	NITRITE	mg/l							0.043		0.043		0.041					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L							0.084		0.083		0.082					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L							2.462		2.474		2.453					
N	UFI SOP	SULFIDE	mg/L	0.068	U	0.068	U												
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l							38.5		37.9		37.1					
Y	E1631	MERCURY	ug/L													0.00043			
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L							3.5		3.6		3.5					
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		46.2-46.2 FT		46.2-46.2 FT		52.8-52.8 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 FT	
			Field Sample ID	OL-1133-04		OL-1134-04		OL-1133-06		OL-1134-05		OL-1133-08		OL-1134-06		OL-1133-10		OL-1133-11	
			Sample Date	10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010	
			SDG	CHM2010-037		1041013		CHM2010-037		1041013		CHM2010-037		1041013		CHM2010-037		CHM2010-037	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			8.20E-05				2.18E-04				4.96E-04					
N	E1631	MERCURY	ug/L			0.00233				0.00188				0.00285					
N	UFI SOP	CHLORIDE	mg/L	434.2				434.2				414.5				414.5			
N	UFI SOP	CHLOROPHYLL-A	ug/L	1.6															
N	UFI SOP	FERROUS IRON (II)	ug/l	8	J							10	U					10	U
N	UFI SOP	METHANE	ug/L	500	U							1400						1700	
N	UFI SOP	NITRITE	mg/l	0.037				0.006	J			0.003	J			0.01	U		
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.347				0.773				1.102				1.266			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.381				0.877				0.494				0.355			
N	UFI SOP	SULFIDE	mg/L																
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	44.2				52.5				54				56.4			
Y	E1631	MERCURY	ug/L																
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.1				2.8				2.9				3.1			
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1133-12		OL-1133-13		OL-1134-07		OL-1133-01		OL-1133-02		OL-1133-03		OL-1134-02		OL-1134-03	
			Sample Date	10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010		10/4/2010	
			SDG	CHM2010-037		CHM2010-037		1041013		CHM2010-037		CHM2010-037		CHM2010-037		1041013		1041013	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Second field dup		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L					6.18E-04								1.11E-04		9.10E-05	
N	E1631	MERCURY	ug/L					0.00286								0.00295		0.00322	
N	UFI SOP	CHLORIDE	mg/L							355.3		355.3		355.3					
N	UFI SOP	CHLOROPHYLL-A	ug/L							5.7		5.6		5.5					
N	UFI SOP	FERROUS IRON (II)	ug/l	10	U	10	U												
N	UFI SOP	METHANE	ug/L	1600		1600													
N	UFI SOP	NITRITE	mg/l							0.037		0.036		0.038					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L							0.136		0.134		0.138					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L							1.824		1.813		1.847					
N	UFI SOP	SULFIDE	mg/L																
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l							36.3		36.8		36.4					
Y	E1631	MERCURY	ug/L													0.00045			
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	CHLOROPHYLL-A	ug/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L							3.7		3.9		3.7					
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		46.2-46.2 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1136-04		OL-1137-04		OL-1136-05		OL-1136-01		OL-1136-02		OL-1136-03		OL-1137-02		OL-1137-03	
			Sample Date	10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010	
			SDG	CHM2010-042		1042010		CHM2010-042		CHM2010-042		CHM2010-042		CHM2010-042		1042010		1042010	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			8.80E-05										8.80E-05		6.90E-05	
N	E1631	MERCURY	ug/L			0.00374										0.00321		0.0034	
N	UFI SOP	CHLORIDE	mg/L																
N	UFI SOP	CHLOROPHYLL-A	ug/L																
N	UFI SOP	FERROUS IRON (II)	ug/l																
N	UFI SOP	METHANE	ug/L																
N	UFI SOP	NITRITE	mg/l																
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
N	UFI SOP	SULFIDE	mg/L																
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l																
Y	E1631	MERCURY	ug/L													0.00044			
Y	UFI SOP	CHLORIDE	mg/L	355.3				394.8		365.2		375		365.2					
Y	UFI SOP	CHLOROPHYLL-A	ug/L	1.2						6.9		7.3		7.8					
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.7				3.2		3.5		3.6		3.7					
Y	UFI SOP	NITRITE	mg/l	0.034				0.024		0.038		0.037		0.036					
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.202				0.481		0.188		0.178		0.178					
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.795				1.212		1.817		1.842		1.885					
Y	UFI SOP	SULFIDE	mg/L					0.068	U										
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l	41.3				48.7		40.4		40.2		40.3					

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	46.2-46.2 FT		49.5-49.5 FT		52.8-52.8 FT		52.8-52.8 FT		56.1-56.1 FT		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 FT
			Field Sample ID	OL-1137-05		OL-1136-06		OL-1136-07		OL-1137-06		OL-1136-08		OL-1136-09		OL-1136-10		OL-1136-11
			Sample Date	10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010		10/11/2010
			SDG	1042010		CHM2010-042		CHM2010-042		1042010		CHM2010-042		CHM2010-042		CHM2010-042		CHM2010-042
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Filtered	Method	Parameter Name	Units															
N	E1630	METHYL MERCURY	ug/L	0.000205						0.000314								
N	E1631	MERCURY	ug/L	0.00451						0.00287								
N	UFI SOP	CHLORIDE	mg/L															
N	UFI SOP	CHLOROPHYLL-A	ug/L															
N	UFI SOP	FERROUS IRON (II)	ug/l															
N	UFI SOP	METHANE	ug/L															
N	UFI SOP	NITRITE	mg/l															
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L															
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L															
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l															
Y	E1631	MERCURY	ug/L															
Y	UFI SOP	CHLORIDE	mg/L					424.4						424.4				
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L					3						3				
Y	UFI SOP	FERROUS IRON (II)	ug/l					10	U							10	U	4	J
Y	UFI SOP	METHANE	ug/L					1000								1500		1500	
Y	UFI SOP	NITRITE	mg/l					0.006	J					0.004	J			
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L					0.937						1.063				
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L					0.632						0.4				
Y	UFI SOP	SULFIDE	mg/L			0.068	U	0.068	U			0.068	U			0.068	U	0.068	U
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l					55.2						57				

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		39.6-39.6 FT		39.6-39.6 FT		46.2-46.2 FT		46.2-46.2 FT		52.8-52.8 FT		52.8-52.8 FT
			Field Sample ID	OL-1136-12		OL-1137-07		OL-1139-04		OL-1140-04		OL-1139-05		OL-1140-05		OL-1139-06		OL-1140-06
			Sample Date	10/11/2010		10/11/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010
			SDG	CHM2010-042		1042010		UFICHM2010-043		1043022		UFICHM2010-043		1043022		UFICHM2010-043		1043022
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water
			Sample Purpose	Second field dup		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Filtered	Method	Parameter Name	Units															
N	E1630	METHYL MERCURY	ug/L			0.00048				0.000104				0.000107				0.000094
N	E1631	MERCURY	ug/L			0.00297				0.007				0.00891				0.00815
N	UFI SOP	CHLORIDE	mg/L					355.3				355.3				355.3		
N	UFI SOP	CHLOROPHYLL-A	ug/L					6										
N	UFI SOP	FERROUS IRON (II)	ug/l															
N	UFI SOP	METHANE	ug/L															
N	UFI SOP	NITRITE	mg/l					0.041				0.041				0.043		
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L					0.217				0.217				0.222		
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L					1.834				1.886				1.932		
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l					41.6				42.3				43.3		
Y	E1631	MERCURY	ug/L															
Y	UFI SOP	CHLORIDE	mg/L															
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L					3.8	J			3.9	J			3.9	J	
Y	UFI SOP	FERROUS IRON (II)	ug/l	10	U													
Y	UFI SOP	METHANE	ug/L	1500														
Y	UFI SOP	NITRITE	mg/l															
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L															
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L															
Y	UFI SOP	SULFIDE	mg/L	0.068	U													
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l															

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT	
			Field Sample ID	OL-1139-07		OL-1140-07		OL-1139-01		OL-1139-02		OL-1139-03		OL-1140-02		OL-1140-03		OL-1141-04	
			Sample Date	10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/18/2010		10/26/2010	
			SDG	UFICHM2010-043		1043022		UFICHM2010-043		UFICHM2010-043		UFICHM2010-043		1043022		1043022		UFICHM2010-044	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			0.000112								0.000109		0.0001			
N	E1631	MERCURY	ug/L			0.00884								0.00652		0.00688			
N	UFI SOP	CHLORIDE	mg/L	355.3				355.3		355.3		365.2						367.6	
N	UFI SOP	CHLOROPHYLL-A	ug/L					5.9		6.2		5.9						0.8	
N	UFI SOP	FERROUS IRON (II)	ug/l																
N	UFI SOP	METHANE	ug/L																
N	UFI SOP	NITRITE	mg/l	0.041				0.042		0.041		0.04						0.05	
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.213				0.221		0.216		0.217						0.321	
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.914				1.835		1.774		1.804						1.824	
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	41.8				41.9		42.4		41.8							
Y	E1631	MERCURY	ug/L											0.00053					
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	5.6	J			4	J	4.1	J	4.1	J					3.6	J
Y	UFI SOP	FERROUS IRON (II)	ug/l																
Y	UFI SOP	METHANE	ug/L																
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1142-04		OL-1141-05		OL-1142-05		OL-1141-01		OL-1141-02		OL-1141-03		OL-1142-02		OL-1142-03	
			Sample Date	10/26/2010		10/26/2010		10/26/2010		10/26/2010		10/26/2010		10/26/2010		10/26/2010		10/26/2010	
			SDG	1044027		UFICHM2010-044		1044027		UFICHM2010-044		UFICHM2010-044		UFICHM2010-044		1044027		1044027	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L	0.000085				0.0001								0.000094		0.000093	
N	E1631	MERCURY	ug/L	0.00367				0.00606								0.00379		0.00326	
N	UFI SOP	CHLORIDE	mg/L			387.5				357.6		347.7		357.6					
N	UFI SOP	CHLOROPHYLL-A	ug/L							2.6		2.9		2.9					
N	UFI SOP	FERROUS IRON (II)	ug/l																
N	UFI SOP	METHANE	ug/L																
N	UFI SOP	NITRITE	mg/l			0.042				0.05		0.048		0.048					
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.288				0.38		0.358		0.361					
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			1.709				2.551		2.384		2.396					
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			51.8				46.3		42.4		42.3					
Y	E1631	MERCURY	ug/L													0.00084			
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			3.3	J			3.9	J	3.9	J	3.9	J				
Y	UFI SOP	FERROUS IRON (II)	ug/l																
Y	UFI SOP	METHANE	ug/L																
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1145-04		OL-1146-04		OL-1145-05		OL-1146-05		OL-1145-01		OL-1145-02		OL-1145-03		OL-1146-02	
			Sample Date	11/11/2010		11/11/2010		11/11/2010		11/11/2010		11/11/2010		11/11/2010		11/11/2010		11/11/2010	
			SDG	UFICHM2010-046		1046034		UFICHM2010-046		1046034		UFICHM2010-046		UFICHM2010-046		UFICHM2010-046		1046034	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Filtered	Method	Parameter Name	Units																
N	E1630	METHYL MERCURY	ug/L			0.00009				0.000084								0.000087	
N	E1631	MERCURY	ug/L			0.00604				0.00629								0.00464	
N	UFI SOP	CHLORIDE	mg/L	367.8				358.1				377.5		387.1		358.1			
N	UFI SOP	CHLOROPHYLL-A	ug/L	4.4								5.3		5.1		5.7			
N	UFI SOP	FERROUS IRON (II)	ug/l																
N	UFI SOP	METHANE	ug/L																
N	UFI SOP	NITRITE	mg/l	0.073				0.071				0.073		0.074		0.073			
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	0.239				0.241				0.247		0.245		0.245			
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	1.882				1.899				1.908		1.917		1.887			
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l	46.8				47.4				47.2		46.9		46.3			
Y	E1631	MERCURY	ug/L															0.00062	
Y	UFI SOP	CHLORIDE	mg/L																
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	3.5				3.5				3.4		3.5		3.4			
Y	UFI SOP	FERROUS IRON (II)	ug/l																
Y	UFI SOP	METHANE	ug/L																
Y	UFI SOP	NITRITE	mg/l																
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L																
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L																
Y	UFI SOP	SULFIDE	mg/L																
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l																

			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	6.6-6.6 FT		39.6-39.6 FT		39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT
			Field Sample ID	OL-1146-03		OL-1147-04		OL-1148-04		OL-1147-05		OL-1148-05		OL-1147-01		OL-1147-02		OL-1147-03
			Sample Date	11/11/2010		11/29/2010		11/29/2010		11/29/2010		11/29/2010		11/29/2010		11/29/2010		11/29/2010
			SDG	1046034		UFICHM2010-047		1049016		UFICHM2010-047		1049016		UFICHM2010-047		UFICHM2010-047		UFICHM2010-047
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field dup
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Filtered	Method	Parameter Name	Units															
N	E1630	METHYL MERCURY	ug/L	0.00008				0.000054				0.000051	J					
N	E1631	MERCURY	ug/L	0.00472				0.00328				0.00337						
N	UFI SOP	CHLORIDE	mg/L			355.3				365.2				365.2		365.2		365.2
N	UFI SOP	CHLOROPHYLL-A	ug/L			7.3								6.9		7.2		6.7
N	UFI SOP	FERROUS IRON (II)	ug/l															
N	UFI SOP	METHANE	ug/L															
N	UFI SOP	NITRITE	mg/l			0.087				0.086				0.087		0.088		0.089
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L			0.148				0.147				0.145		0.145		0.152
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L			1.995				2				1.981		1.955		2.07
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l			45.9				45.3				46.1		46.4		46
Y	E1631	MERCURY	ug/L															
Y	UFI SOP	CHLORIDE	mg/L															
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L			3.7				3.7				3.5		3.6		3.6
Y	UFI SOP	FERROUS IRON (II)	ug/l															
Y	UFI SOP	METHANE	ug/L															
Y	UFI SOP	NITRITE	mg/l															
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L															
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L															
Y	UFI SOP	SULFIDE	mg/L															
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l															

			Location	DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT	
			Field Sample ID	OL-1148-02		OL-1148-03	
			Sample Date	11/29/2010		11/29/2010	
			SDG	1049016		1049016	
			Matrix	Water		Water	
			Sample Purpose	Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water	
Filtered	Method	Parameter Name	Units				
N	E1630	METHYL MERCURY	ug/L	0.00006		0.000057	
N	E1631	MERCURY	ug/L	0.00328		0.00328	
N	UFI SOP	CHLORIDE	mg/L				
N	UFI SOP	CHLOROPHYLL-A	ug/L				
N	UFI SOP	FERROUS IRON (II)	ug/l				
N	UFI SOP	METHANE	ug/L				
N	UFI SOP	NITRITE	mg/l				
N	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L				
N	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L				
N	UFI SOP	TOTAL INORGANIC CARBON	mg/l				
Y	E1631	MERCURY	ug/L	0.00037	J		
Y	UFI SOP	CHLORIDE	mg/L				
Y	UFI SOP	DISSOLVED ORGANIC CARBON	mg/L				
Y	UFI SOP	FERROUS IRON (II)	ug/l				
Y	UFI SOP	METHANE	ug/L				
Y	UFI SOP	NITRITE	mg/l				
Y	UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L				
Y	UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L				
Y	UFI SOP	SULFIDE	mg/L				
Y	UFI SOP	TOTAL INORGANIC CARBON	mg/l				

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR ZOOPLANKTON

Validated Baseline Monitoring - Book 1
Zooplankton

					Parameter	MERCURY		METHYL MERCURY		SOLIDS, PERCENT		TOTAL SOLIDS	
					Units	mg/kg		ng/g		%		%	
Location ID	Field Sample ID	Sample Date	Matrix	Purpose	Samp Type								
W1	OL-1096-06	5/3/2010	TISSUE	REG	T-ZP	0.025		1.8	J	16.96			
W1	OL-1096-07	5/3/2010	TISSUE	FD	T-ZP	0.0307		1.8	J	16.4			
W1	OL-1100-06	5/24/2010	TISSUE	REG	T-ZP	0.0149		1.1	U	15.59			
W1	OL-1105-06	6/21/2010	TISSUE	REG	T-ZP	0.0412		5.8		9.01			
W1	OL-1108-07	7/6/2010	TISSUE	REG	T-ZP	0.0422		9.3		8.68			
W1	OL-1111-07	7/19/2010	TISSUE	REG	T-ZP	0.0696		6.9				9.45	
W1	OL-1111-08	7/19/2010	TISSUE	FD	T-ZP	0.0715		8.2				11.43	
W1	OL-1114-07	8/2/2010	TISSUE	REG	T-ZP	0.0697		8.6				9.57	
W1	OL-1117-07	8/16/2010	TISSUE	REG	T-ZP	0.0677		12.3				6.27	
W1	OL-1120-07	8/30/2010	TISSUE	REG	T-ZP	0.0422		10.7				12.57	
W1	OL-1122-08	9/7/2010	TISSUE	REG	T-ZP	0.0508		7.1				9.56	
W1	OL-1124-08	9/13/2010	TISSUE	REG	T-ZP	0.0536		12.1				15.87	
W1	OL-1128-08	9/20/2010	TISSUE	REG	T-ZP	0.148		22.9	J			11.89	
W1	OL-1132-08	9/27/2010	TISSUE	REG	T-ZP	0.0149		3.5				14.13	
W1	OL-1134-08	10/4/2010	TISSUE	REG	T-ZP	0.0396		9.6				12.08	
W1	OL-1137-08	10/11/2010	TISSUE	REG	T-ZP	0.0262		7.4	J			7.35	
W1	OL-1140-08	10/18/2010	TISSUE	REG	T-ZP	0.0171	J	2.5	J			4.24	
W1	OL-1140-09	10/18/2010	TISSUE	FD	T-ZP	0.0381	J	5.4	J			9.3	
W1	OL-1142-06	10/26/2010	TISSUE	REG	T-ZP	0.094		13.7	J				
W1	OL-1148-06	11/29/2010	Tissue	REG	T-ZP	0.0324		5.8				8.22	

ATTACHMENT A-3

VALIDATED LABORATORY DATA FOR SEDIMENT TRAP SAMPLES

Validated Baseline Monitoring - Book 1
Sediment Traps

							Parameter	CALCIUM		MERCURY		TOTAL CARBON		TOTAL FIXED SOLIDS		TOTAL ORGANIC CARBON		Total Suspended Solids
							Units	mg/l		ng/mL		mg/l		mg/l		mg/l		mg/l
Location ID	Sample Depth	Field Sample ID	Sample Date	Matrix	Purpose	Samp Type	Filtered											
DEEP_S	33-33 FT	OL-1090-01	3/29/2010	WATER	REG	SLURRY	N	333				153.433	J	2052		127.685	J	2404
DEEP_S	33-33 FT	OL-1090-02	3/29/2010	WATER	FD	SLURRY	N	279.7				154.174	J	1952		64.976	J	2284
DEEP_S	33-33 FT	OL-1090-03	3/29/2010	WATER	FD2	SLURRY	N	255.7				159.449	J	1904		110.878	J	2212
DEEP_S	33-33 FT	OL-1091-01	4/5/2010	WATER	REG	SLURRY	N	218.4				123.188	J	1336		88.848	J	1568
DEEP_S	33-33 FT	OL-1091-02	4/5/2010	WATER	FD	SLURRY	N	226.4				103.023	J	1144		145.54	J	1376
DEEP_S	33-33 FT	OL-1091-03	4/5/2010	WATER	FD2	SLURRY	N	230.4				130.742	J	1360		89.048	J	1592
DEEP_S	33-33 FT	OL-1092-01	4/12/2010	WATER	REG	SLURRY	N	327.7				166.829		2132		121.986		2464
DEEP_S	33-33 FT	OL-1092-02	4/12/2010	WATER	FD	SLURRY	N	311.7				186.038		1840		114.987		2172
DEEP_S	33-33 FT	OL-1092-03	4/12/2010	WATER	FD2	SLURRY	N	302.4				157.907		1836		110.612		2148
DEEP_S	33-33 FT	OL-1093-01	4/19/2010	WATER	REG	SLURRY	N	214.3				74.012		912		66.414		1104
DEEP_S	33-33 FT	OL-1093-02	4/19/2010	WATER	FD	SLURRY	N	243				102.666		888		74.536		1100
DEEP_S	33-33 FT	OL-1093-03	4/19/2010	WATER	FD2	SLURRY	N	243				120.057		1052		87.03		1312
DEEP_S	33-33 FT	OL-1094-01	4/26/2010	WATER	REG	SLURRY	N	247.7				115.531		1036		72.177		1216
DEEP_S	33-33 FT	OL-1094-02	4/26/2010	WATER	FD	SLURRY	N	230.2				95.736		876		60.771		1056
DEEP_S	33-33 FT	OL-1094-03	4/26/2010	WATER	FD2	SLURRY	N	255.7				117.158		980		74.084		1208
DEEP_S	33-33 FT	OL-1095-06	5/3/2010	WATER	REG	SLURRY	N	655.1				277.04		3232		182.581		3724
DEEP_S	33-33 FT	OL-1095-07	5/3/2010	WATER	FD	SLURRY	N	634.5				330.024		3384		169.407		3872
DEEP_S	33-33 FT	OL-1095-08	5/3/2010	WATER	FD2	SLURRY	N	632.9				338.713		3320		173.677		3796
DEEP_S	33-33 FT	OL-1097-01	5/10/2010	WATER	REG	SLURRY	N	653.9				279.161		2728		154.441		3220
DEEP_S	33-33 FT	OL-1097-02	5/10/2010	WATER	FD	SLURRY	N	632.8				275.577		2516		149.288		2980
DEEP_S	33-33 FT	OL-1097-03	5/10/2010	WATER	FD2	SLURRY	N	631.2				266.087		2496		154.884		2916
DEEP_S	33-33 FT	OL-1098-01	5/17/2010	WATER	REG	SLURRY	N	526.6				129.673		1556		118.953		1956
DEEP_S	33-33 FT	OL-1098-02	5/17/2010	WATER	FD	SLURRY	N	467				196.485		1800		117.594		2244
DEEP_S	33-33 FT	OL-1098-03	5/17/2010	WATER	FD2	SLURRY	N	492				180.824		1132		103.556		1520
DEEP_S	33-33 FT	OL-1099-06	5/24/2010	WATER	REG	SLURRY	N	407.3				120.972		984		74.89		1300
DEEP_S	33-33 FT	OL-1099-07	5/24/2010	WATER	FD	SLURRY	N	399.6				129.365		840		79.419		1200
DEEP_S	33-33 FT	OL-1099-08	5/24/2010	WATER	FD2	SLURRY	N	345.8				129.062		1020		85.057		1248
DEEP_S	33-33 FT	OL-1101-01	6/1/2010	WATER	REG	SLURRY	N	853.6				295.514		2380		69.78		2600
DEEP_S	33-33 FT	OL-1101-02	6/1/2010	WATER	FD	SLURRY	N	786.3				254.166		2340		64.63		2608
DEEP_S	33-33 FT	OL-1101-03	6/1/2010	WATER	FD2	SLURRY	N	894				298.633		2288		88.436		2540
DEEP_S	33-33 FT	OL-1102-01	6/7/2010	WATER	REG	SLURRY	N	363.1				46.604		688		31.897		840
DEEP_S	33-33 FT	OL-1102-02	6/7/2010	WATER	FD	SLURRY	N	501.6				129		1116		45.303		1252
DEEP_S	33-33 FT	OL-1102-03	6/7/2010	WATER	FD2	SLURRY	N	482.3				165.193		1108		51.828		1248
DEEP_S	33-33 FT	OL-1103-01	6/14/2010	WATER	REG	SLURRY	N	328.5				165.114	J	1468		92.085		1772
DEEP_S	33-33 FT	OL-1103-02	6/14/2010	WATER	FD	SLURRY	N	330.4				150.262	J	1316		80.576		1572
DEEP_S	33-33 FT	OL-1103-03	6/14/2010	WATER	FD2	SLURRY	N	322.7				165.744	J	1548		98.202		1996
DEEP_S	33-33 FT	OL-1104-06	6/21/2010	WATER	REG	SLURRY	N	207.1				68.557	J	840		47.845		1104
DEEP_S	33-33 FT	OL-1104-07	6/21/2010	WATER	FD	SLURRY	N	223.3				81.949	J	476		46.744		652
DEEP_S	33-33 FT	OL-1104-08	6/21/2010	WATER	FD2	SLURRY	N	196.7				103.472	J	496		61.737		632
DEEP_S	33-33 FT	OL-1106-01	6/28/2010	WATER	REG	SLURRY	N	503.3				202.394	J	1316		80.269	J	1556
DEEP_S	33-33 FT	OL-1106-02	6/28/2010	WATER	FD	SLURRY	N	531				243.163	J	1324		84.239	J	1564
DEEP_S	33-33 FT	OL-1106-03	6/28/2010	WATER	FD2	SLURRY	N	532.2				247.14	J	1504		115.032	J	1840

							Parameter	CALCIUM		MERCURY		TOTAL CARBON		TOTAL FIXED SOLIDS		TOTAL ORGANIC CARBON		Total Suspended Solids	
							Units	mg/l		ng/mL		mg/l		mg/l		mg/l		mg/l	
Location ID	Sample Depth	Field Sample ID	Sample Date	Matrix	Purpose	Samp Type	Filtered												
DEEP_S	33-33 FT	OL-1107-12	7/6/2010	WATER	REG	SLURRY	N	372.5				206.986		2860		103.025	J	3544	
DEEP_S	33-33 FT	OL-1107-13	7/6/2010	WATER	FD	SLURRY	N	413				222.668		1824		146.981	J	2180	
DEEP_S	33-33 FT	OL-1107-14	7/6/2010	WATER	FD2	SLURRY	N	494				189.732		1684		105.745	J	2028	
DEEP_S	33-33 FT	OL-1109-01	7/12/2010	WATER	REG	SLURRY	N	594.3				248.344		1208		54.178	J	1452	
DEEP_S	33-33 FT	OL-1109-02	7/12/2010	WATER	FD	SLURRY	N	605.6				237.488		2036		41.726	J	2204	
DEEP_S	33-33 FT	OL-1109-03	7/12/2010	WATER	FD2	SLURRY	N	602.8				285.361		2644		126.758	J	2952	
DEEP_S	33-33 FT	OL-1110-18	7/19/2010	WATER	REG	SLURRY	N	1151.9				148.27		2732		122.28		3048	
DEEP_S	33-33 FT	OL-1110-19	7/19/2010	WATER	FD	SLURRY	N	1273.4				499.13		3244		147.696		3608	
DEEP_S	33-33 FT	OL-1110-20	7/19/2010	WATER	FD2	SLURRY	N	803.4				373.052		2452		102.328		2708	
DEEP_S	33-33 FT	OL-1113-19	8/2/2010	WATER	REG	SLURRY	N	263.7				99.511		892		72.366		1208	
DEEP_S	33-33 FT	OL-1113-20	8/2/2010	WATER	FD	SLURRY	N	289.2				136.401		772		85.591		1008	
DEEP_S	33-33 FT	OL-1113-21	8/2/2010	WATER	FD2	SLURRY	N	253.8				126.06		636		76.963		892	
DEEP_S	33-33 FT	OL-1115-01	8/9/2010	WATER	REG	SLURRY	N	614.1				272.963		1600		120.184		1888	
DEEP_S	33-33 FT	OL-1115-02	8/9/2010	WATER	FD	SLURRY	N	666.4				275.964		2640		96.741		3024	
DEEP_S	33-33 FT	OL-1115-03	8/9/2010	WATER	FD2	SLURRY	N	491.2				260.941		2496		88.884		2796	
DEEP_S	33-33 Ft	OL-1116-19	8/16/2010	WATER	REG	SLURRY	N	181.8				66.924		316		57.143		460	
DEEP_S	33-33 Ft	OL-1116-20	8/16/2010	WATER	FD	SLURRY	N	200				106.217		412		80.436		588	
DEEP_S	33-33 Ft	OL-1116-21	8/16/2010	WATER	FD2	SLURRY	N	196.3				102.832		424		62.2		628	
DEEP_S	33-33 Ft	OL-1118-01	8/23/2010	WATER	REG	SLURRY	N	147.9				74.38		692	J	68.404		1016	J
DEEP_S	33-33 Ft	OL-1118-02	8/23/2010	WATER	FD	SLURRY	N	161.3				104.118		396	J	73.346		612	J
DEEP_S	33-33 Ft	OL-1118-03	8/23/2010	WATER	FD2	SLURRY	N	150.4				104.896		368	J	76.144		584	J
DEEP_S	33-33 FT	OL-1119-17	8/30/2010	WATER	REG	SLURRY	N	351.2				258.394		3180		154.927		3752	
DEEP_S	33-33 FT	OL-1119-18	8/30/2010	WATER	FD	SLURRY	N	380.2				307.147		3404		193.086		4132	
DEEP_S	33-33 FT	OL-1119-19	8/30/2010	WATER	FD2	SLURRY	N	357.2				309.508		3180		188.689		3836	
DEEP_S	33-33 Ft	OL-1121-18	9/7/2010	WATER	REG	SLURRY	N	774.6				380.672		2320		148.034		2732	
DEEP_S	33-33 Ft	OL-1121-19	9/7/2010	WATER	FD	SLURRY	N	750.4				370.831		2692		136.372		3148	
DEEP_S	33-33 Ft	OL-1121-20	9/7/2010	WATER	FD2	SLURRY	N	779.5				365.367		2552		138.866		3036	
DEEP_S	33-33 Ft	OL-1123-16	9/13/2010	WATER	REG	SLURRY	N	458.5				188.927		868		73.388		1184	
DEEP_S	33-33 Ft	OL-1123-17	9/13/2010	WATER	FD	SLURRY	N	431.5				236.118		1872		147.683		2368	
DEEP_S	33-33 Ft	OL-1123-18	9/13/2010	WATER	FD2	SLURRY	N	465.3				211.776		1444		130.335		1728	
DEEP_S	33-33 Ft	OL-1127-15	9/20/2010	WATER	REG	SLURRY	N	314.7	J			196.425		1212		120.333		1568	
DEEP_S	33-33 Ft	OL-1127-16	9/20/2010	WATER	FD	SLURRY	N	316.4	J			184.781		1244		115.107		1604	
DEEP_S	33-33 Ft	OL-1127-17	9/20/2010	WATER	FD2	SLURRY	N	324.9	J			195.048		1360		119.644		1752	
DEEP_S	33-33 Ft	OL-1130-01	4/26/2010	WATER	REG	SLURRY	N			1.7									
DEEP_S	33-33 Ft	OL-1130-02	5/24/2010	WATER	REG	SLURRY	N			0.86									
DEEP_S	33-33 Ft	OL-1130-03	6/21/2010	WATER	REG	SLURRY	N			0.7									
DEEP_S	33-33 Ft	OL-1130-04	7/6/2010	WATER	REG	SLURRY	N			2.25									
DEEP_S	33-33 Ft	OL-1130-05	7/19/2010	WATER	REG	SLURRY	N			1.24									
DEEP_S	33-33 Ft	OL-1131-14	9/27/2010	WATER	REG	SLURRY	N	228.5	J			80.671		608		81.833		812	
DEEP_S	33-33 Ft	OL-1131-15	9/27/2010	WATER	FD	SLURRY	N	242	J			131.195		768		92.228		1044	
DEEP_S	33-33 Ft	OL-1131-16	9/27/2010	WATER	FD2	SLURRY	N	233.5	J			113.594		636		83.071		860	
DEEP_S	33-33 Ft	OL-1133-14	10/4/2010	WATER	REG	SLURRY	N	226.8	J			99.809		1272		90.605		1608	

							Parameter	CALCIUM		MERCURY		TOTAL CARBON		TOTAL FIXED SOLIDS		TOTAL ORGANIC CARBON		Total Suspended Solids	
							Units	mg/l		ng/mL		mg/l		mg/l		mg/l		mg/l	
Location ID	Sample Depth	Field Sample ID	Sample Date	Matrix	Purpose	Samp Type	Filtered												
DEEP_S	33-33 Ft	OL-1133-15	10/4/2010	WATER	FD	SLURRY	N	235.2	J			140.458		1236		111.176		1552	
DEEP_S	33-33 Ft	OL-1133-16	10/4/2010	WATER	FD2	SLURRY	N	240.3	J			131.909		1396		100.479		1748	
DEEP_S	33-33 Ft	OL-1135-01	8/2/2010	WATER	REG	SLURRY	N			1.36									
DEEP_S	33-33 Ft	OL-1135-02	8/16/2010	WATER	REG	SLURRY	N			0.55									
DEEP_S	33-33 Ft	OL-1135-03	8/30/2010	WATER	REG	SLURRY	N			2.66									
DEEP_S	33-33 Ft	OL-1135-04	9/7/2010	WATER	REG	SLURRY	N			0.88									
DEEP_S	33-33 Ft	OL-1135-05	9/13/2010	WATER	REG	SLURRY	N			2.61									
DEEP_S	33-33 Ft	OL-1135-06	9/20/2010	WATER	REG	SLURRY	N			2.8									
DEEP_S	33-33 Ft	OL-1135-07	9/27/2010	WATER	REG	SLURRY	N			0.95									
DEEP_S	33-33 Ft	OL-1136-13	10/11/2010	WATER	REG	SLURRY	Y	381.5	J			219.028		2628		127.268		3028	
DEEP_S	33-33 Ft	OL-1136-14	10/11/2010	WATER	FD	SLURRY	Y	430	J			251.334		2968		166.8		3428	
DEEP_S	33-33 Ft	OL-1136-15	10/11/2010	WATER	FD2	SLURRY	Y	437.5	J			244.746		2972		146.847		3388	
DEEP_S	33-33 Ft	OL-1139-08	10/18/2010	WATER	REG	SLURRY	N	644.1				403.997		4048		227.187		4648	
DEEP_S	33-33 Ft	OL-1139-09	10/18/2010	WATER	FD	SLURRY	N	685.2				431.964		4444		243.875		5092	
DEEP_S	33-33 Ft	OL-1139-10	10/18/2010	WATER	FD2	SLURRY	N	712.5				379.348		3644		216.041		4200	
DEEP_S	33-33 Ft	OL-1141-06	10/26/2010	WATER	REG	SLURRY	N	510.9				239.158	J	3232		195.198		3808	
DEEP_S	33-33 Ft	OL-1141-07	10/26/2010	WATER	FD	SLURRY	N	535.8				335.321	J	3336		176.058		3856	
DEEP_S	33-33 Ft	OL-1141-08	10/26/2010	WATER	FD2	SLURRY	N	512.1				177.979	J	3344		190.078		3876	
DEEP_S	33-33 Ft	OL-1145-06	11/8/2010	WATER	REG	SLURRY	N	621.9				394.075		4200		240.503		4932	
DEEP_S	33-33 Ft	OL-1145-07	11/8/2010	WATER	FD	SLURRY	N	552.5				369.021		3432		239.659		4008	
DEEP_S	33-33 Ft	OL-1145-08	11/8/2010	WATER	FD2	SLURRY	N	562.8				368.249		3360		222.645		3980	
DEEP_S	33-33 Ft	OL-1147-06	11/29/2010	WATER	REG	SLURRY	N	1488				1236.495		37080	J	498.538		42700	J
DEEP_S	33-33 Ft	OL-1147-07	11/29/2010	WATER	FD	SLURRY	N	1703.8				807.92		7860	J	508.765		9680	J
DEEP_S	33-33 Ft	OL-1147-08	11/29/2010	WATER	FD2	SLURRY	N	1655				1033.553		8820	J	514.154		10160	J
DEEP_S	33-33 FT	OL-1149-01	10/4/2010	Water	REG	SLURRY	N			1.08									
DEEP_S	33-33 FT	OL-1149-02	10/11/2010	Water	REG	SLURRY	N			3.69									
DEEP_S	33-33 FT	OL-1149-03	10/18/2010	Water	REG	SLURRY	N			7.5									
DEEP_S	33-33 FT	OL-1149-04	10/26/2010	Water	REG	SLURRY	N			5.09									
DEEP_S	33-33 FT	OL-1149-05	11/10/2010	Water	REG	SLURRY	N			4.9									
DEEP_S	33-33 FT	OL-1149-06	11/29/2010	Water	REG	SLURRY	N			14.7									

APPENDIX B

DATA USABILITY AND SUMMARY REPORT, ONONDAGA LAKE BASELINE MONITORING BOOK 2 ADDENDUM 2 (2010): FISH, INVERTEBRATE, AND LITTORAL SURFACE WATER MONITORING

APPENDIX B:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 2 FOR 2010: FISH, INVERTEBRATE, AND LITTORAL WATER MONITORING

Prepared For:

Honeywell

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

DECEMBER 2011

TABLE OF CONTENTS

Page

SECTION B1 DATA USABILITY SUMMARY B1-1

B1.1 Laboratory Data Packages B1-1

B1.2 Sampling and Chain-of-Custody B1-1

B1.3 Laboratory Analytical Methods B1-2
B1.3.1 Mercury and Methyl Mercury Analysis B1-2
B1.3.2 PCB Analysis B1-3
B1.3.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites Analysis B1-3
B1.3.4 Dioxins and Furans B1-3
B1.3.5 TSS and TOC Analysis B1-3

SECTION B2 DATA VALIDATION REPORT B2-1

B2.1 FISH B2-1
B2.1.1 Mercury B2-1
B2.1.2 PCBs B2-2
B2.1.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites B2-3
A2.1.4 Dioxins and Furans B2-5

B2.2 INVERTEBRATES B2-7
B2.2.1 Mercury and Methyl Mercury B2-8

B2.3 SURFACE WATER B2-9
B2.3.1 Mercury and Methyl Mercury B2-10
B2.3.2 TSS B2-11

B2.4 SEDIMENT B2-12
B2.4.1 Mercury and Methyl Mercury B2-12
B2.4.2 TOC B2-13

TABLE OF CONTENTS
(CONTINUED)

LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR FISH SAMPLES

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR INVERTEBRATE SAMPLES

ATTACHMENT A-3 VALIDATED LABORATORY DATA FOR SURFACE WATER SAMPLES

ATTACHMENT A-4 VALIDATED LABORATORY DATA FOR SEDIMENT SAMPLES

SECTION B1

DATA USABILITY SUMMARY

Fish, invertebrate, surface water, and sediment samples were collected as part of the Book 2 baseline monitoring efforts for Onondaga Lake from June 15, 2010 through November 11, 2010. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Work Plan
- Onondaga Lake Baseline Monitoring QAPP (Appendix B of the Work Plan)
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review

The Book 2 samples were collected by Anchor QEA with some assistance from Parsons for sample processing.

The analytical laboratories for this project were Accutest Laboratories (Accutest), SGS Laboratory (SGS) for dioxins-furan analyses, and Brooks Rand Labs (BRL) for mercury analyses. 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).

B1.1 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 21 to 85 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 in Section B2.

B1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a COC record, and received at the laboratories within one day of sampling. All samples were received intact and in good condition at the laboratories.

B1.3 LABORATORY ANALYTICAL METHODS

The fish samples were collected from the site and analyzed for hexachlorobenzene, 4,4'-DDT and metabolites, polychlorinated biphenyls (PCBs), dioxins and furans, and/or mercury. The invertebrate samples were collected from the site and analyzed for mercury and methyl mercury. The surface water samples were collected from the site and analyzed for mercury, methyl mercury, and total suspended solids (TSS). The sediment samples were collected from the site and analyzed for mercury, methyl mercury, and total organic carbon (TOC). Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections B1.3.1 through B1.3.5. 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 matrix in Section B2. 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.

B1.3.1 Mercury and Methyl Mercury Analysis

Fish and sediment samples collected from the site were analyzed by Accutest for mercury using the USEPA SW-846 7471A analytical method. Invertebrate and surface water samples collected from the site were analyzed by BRL for low level mercury using the USEPA 1631E analytical method. Invertebrate, surface water, and sediment samples collected from the site were analyzed for methyl mercury using the USEPA 1630 analytical method. Certain reported results for the mercury and methyl mercury samples were qualified as estimated based upon sample custody, holding times, matrix spike recoveries, laboratory duplicate precision, and sediment percent solids content. The reported mercury and methyl mercury analytical results were considered 100% complete (i.e., usable) for the data presented by Accutest and BRL. PARCC requirements were met.

B1.3.2 PCB Analysis

Fish samples collected from the site were analyzed by Accutest for PCBs using the USEPA SW-846 8082 analytical method. Certain reported results for the PCB samples were considered estimated based upon sample result identifications. The reported PCB analytical results were considered 100% complete with all data considered usable and valid as reported by Accutest. PARCC requirements were met.

B1.3.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites Analysis

Fish samples collected from the site were analyzed by Accutest for hexachlorobenzene, 4,4'-DDT, and metabolites using the USEPA SW-846 8081A analytical method. Certain reported results for these samples were qualified as estimated based upon laboratory control sample recoveries and sample result identifications. The reported analytical results for these samples were considered 100% complete with all data considered usable and valid as reported by Accutest. PARCC requirements were met.

B1.3.4 Dioxins and Furans

Fish samples collected from the site were analyzed by SGS for dioxins and furans using the USEPA SW-846 8290 analytical method. Certain reported results for these samples were qualified as estimated based upon clean-up standard recoveries and internal standard recoveries. The reported analytical results for these samples were considered 100% complete with all data considered usable and valid as reported by SGS. PARCC requirements were met.

B1.3.5 TSS and TOC Analysis

Surface water samples collected from the site were analyzed by Accutest for TSS using the SM2540D analytical method. Sediment samples collected from the site were analyzed by Accutest for TOC using the USEPA approved Lloyd Kahn analytical method. Certain reported results for these samples were qualified as estimated based upon matrix spike recoveries, laboratory duplicate precision, and sediment percent solids content. The reported analytical results for these samples were considered 100% complete with all data considered usable and valid as reported by Accutest. PARCC requirements were met.

SECTION B2

DATA VALIDATION REPORT

B2.1 FISH

Data review has been completed for data packages generated by Accutest and SGS containing fish samples collected from the site. The specific samples contained in these data packages, the analyses performed, and validated laboratory data are tabulated and 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 SOPs HW-44, Revision 1 "Data Validation SOP of Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B"; HW-45, Revision 1 "Data Validation SOP of Organic Analysis of PCBs by Gas Chromatography SW-846 Method 8082A; HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program"; and HW-19, Revision 1 "USEPA Region II Data Validation SOP for SW-846 Method 8290 Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) By High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)". This data validation and usability report is presented by analysis type.

B2.1.1 Mercury

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Extraction/homogenization, 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
- Interference check sample recoveries
- 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 MS/MSD recoveries as discussed below.

MS/MSD Recoveries

All the MS/MSD accuracy results were considered acceptable and within QC limits and have concentrations less than four times the spiking concentration, with the exception of the low recoveries for mercury (71.5%R, 51.2%R, 65.8%R, 61.2%R; QC limit 75-125%R) associated with samples in sample delivery groups (SDGs) JA49132, JA49133, and JA50445; and the high mercury recovery (216.6%R; QC limit 75-125%R) associated with samples in SDG JA49263. The sample results for mercury where MS/MSD accuracy results fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. Positive mercury results where MS/MSD accuracy results exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples.

Usability

All mercury sample results for the fish were considered usable following data validation.

Summary

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

B2.1.2 PCBs

The following items were reviewed for compliancy in the PCB analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries

- Extraction/homogenization and laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Chromatogram quality
- 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 sample result identifications as discussed below.

Sample Result Identifications

Positive sample results were verified and confirmed present using dual column confirmation. The percent difference (%D) between the results on the dual columns was less than 25% with the exception of PCB-1254 in samples OL-1305-01F (29%D), OL-1322-04F (75.8%D), and -05F (39.9%D); PCB-1260 in samples OL-1307-01F (33.7%D), -05F (26.3%D), OL-1316-08F (86%D), and OL-1322-05F (45.7%D); and total PCBs in samples OL-1316-08F (42.8%D), OL-1322-04F (75.8%D), and -05F (41.9%D). These results were considered estimated and qualified "J" for the affected samples.

Usability

All PCB sample results for the fish were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PCB data presented by Accutest were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-1.

B2.1.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites

The following items were reviewed for compliancy in the hexachlorobenzene, 4,4'-DDT, and metabolites analysis:

- Custody documentation

- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Extraction/homogenization and laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT breakdown
- Chromatogram quality
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exceptions of surrogate recoveries, laboratory control sample recoveries, and sample result identifications as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high tetrachloro-m-xylene (TCMX) recovery on one column in sample OL-1316-17F (180%R). Validation qualification was not required for this sample.

Laboratory Control Sample Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recovery for 4,4'-DDD (57%R; QC limit 59-151%R) associated with samples OL-1316-08F, -15F, -17F, OL-1320-01F, -02F, -04F, OL-1322-01F through -05F, and -09F through -12F. Therefore, the 4,4'-DDD results for these samples which were nondetects were considered estimated and qualified "UJ".

It was noted that no spiked QC samples (e.g., LCS, MS/MSD) were analyzed for hexachlorobenzene due to laboratory error. As a result, all hexachlorobenzene results were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the project samples.

Sample Result Identifications

Positive sample results were verified and confirmed present using dual column confirmation. The percent difference (%D) between the results on the dual columns was less than 25% with the exception of hexachlorobenzene for samples OL-1306-16F (32.1%D), OL-1316-08F (31.9%D), -15 (79.5%D), OL-1347-09 (91.2%D), -11 (41.1%D), -16 (112.8%D), and OL-1348-03 (94.3%D); and 4,4'-DDD for sample OL-1307-08F (122.2%D). These results were considered estimated and qualified "J" for the affected samples. However, for those compounds where the %D was greater than 90%, the results were considered estimated, tentatively identified, and qualified "JN" for the affected samples.

Usability

All hexachlorobenzene, 4,4'-DDT, and metabolite sample results for the fish were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The hexachlorobenzene, 4,4'-DDT, and metabolite data presented by Accutest were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-1.

A2.1.4 Dioxins and Furans

The following items were reviewed for compliancy in the dioxins and furans analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Extraction/homogenization and laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Internal standard recoveries
- Clean-up recoveries

- 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 MS/MSD precision and accuracy, blank contamination, internal standard recoveries, and clean-up recoveries as discussed below.

MS/MSD Precision and Accuracy

All precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for all compounds of designated spiked project samples with the exception of the high MSD accuracy results for 1,2,3,4,7,8-HxCDD (135%R; QC limit 70-130%R) and 1,2,3,7,8,9-HxCDF (141%R; QC limit 70-130%R) associated with parent sample OL-1314-04F; and the high MSD accuracy result for 1,2,3,7,8,9-HxCDD (133%R; QC limit 70-130%R) associated with parent sample OL-1311-18F. Validation qualification was not required since MS accuracy results were within criteria.

Blank Contamination

The extraction/homogenization blank associated with samples OL-1322-01F, -04F, -05F, -10F, and -12F contained OCDD at a concentration of 0.00988 ng/L. Therefore, associated sample results less than the validation action concentration were considered not detected and qualified "U" for the affected samples.

Internal Standard Recoveries

All internal standard recoveries were considered acceptable and within the 40-135%R QC limit with the exception of the high 13C12-1,2,3,4,6,7,8-HpCDD recovery in samples OL-1305-01F (193%R), OL-1307-01F (144%R), -02F (140%R), -13F (184%R), OL-1312-01F (211%R), -18F (189%R), OL-1314-04F (154%R), OL-1322-01F (165%R), -04F (263%R), -05F (251%R), -10F (258%R), -12F (300%R), OL-1311-08F (191%R), and -18F (146%R); the high 13C12-OCDD recovery in samples OL-1305-01F (205%R), OL-1307-01F (148%R), -02F (144%R), -13F (180%R), OL-1312-01F (213%R), -18F (209%R), OL-1314-04F (155%R), OL-1322-01F (164%R), -04F (291%R), -05F (281%R), -10F (279%R), -12F (345%R), OL-1311-08F (180%R), and -18F (143%R); and the high 13C12-1,2,3,4,6,7,8-HpCDF recovery in samples OL-1305-01F (151%R), OL-1312-01F (149%R), -18F (146%R), OL-1322-04F (182%R), -05F (170%R), -10F (184%R), -12F (208%R), and OL-1311-08F (142%R). Therefore, positive results associated with

these internal standards were considered estimated, possibly biased high, and qualified "J" for the affected samples.

Clean-Up Recoveries

All clean-up recoveries were considered acceptable and within the 70-130%R QC limit with the exception of the high 13C12-1,2,3,4,7,8,9-HpCDF recovery for samples OL-1305-01F (192%R), -08F (136%R), OL-1307-01F (159%R), -02F (142%R), -13F (167%R), OL-1312-01F (183%R), -18F (168%R), OL-1314-04F (140%R), OL-1322-01F (147%R), -04F (255%R), -05F (240%R), -10F (241%R), -12F (259%R), OL-1311-08F (211%R), and -18F (149%R); and the high 13C12-1,2,3,4,7,8-HxCDD recovery for sample OL-1307-13F (136%R). Since associated sample results were nondetects, validation qualification of these samples was not required.

Usability

All dioxin and furan results for the fish 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 dioxin and furan data presented by SGS were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-1.

B2.2 INVERTEBRATES

Data review has been completed for data packages generated by BRL containing invertebrate samples collected from the site. The specific samples contained in these data packages, the analyses performed, and validated laboratory data are tabulated and 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.

B2.2.1 Mercury and Methyl Mercury

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Extraction/homogenization blank, initial and continuing calibration blank, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Interference check sample recoveries
- 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 and laboratory duplicate precision as discussed below.

Blank Contamination

The extraction/homogenization blank associated with samples collected on 8/5/10 and sample OL-1337-02 contained mercury above the reporting limit at a concentration of 2.66 ng/g. Since sample results for mercury were not affected by the contamination detected in this blank, validation qualification was not required.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and less than 30%RPD with the exception of the laboratory duplicate precision for mercury (31%RPD) associated with samples OL-1329-04, -05, and -07; and for mercury (53%RPD) associated with samples OL-1335-01, -05, OL-1333-03, and -05. Therefore, the mercury results for these samples were considered estimated and qualified "J".

Usability

All mercury and methyl mercury sample results for the invertebrate 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 mercury and methyl mercury data presented by BRL were 100% complete (i.e., usable). The validated mercury and methyl mercury laboratory data are tabulated and presented in Attachment A-2.

It was noted that the methyl mercury result for OL-1329-05 was detected at a higher concentration than mercury. Therefore, these sample results were considered estimated and qualified "J".

B2.3 SURFACE WATER

Data review has been completed for data packages generated by Accutest and BRL containing surface water samples collected from the site. The specific samples contained in these data packages, the analyses performed, and validated laboratory data are tabulated and presented in Attachment A-3. 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.

B2.3.1 Mercury and Methyl Mercury

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Interference check sample 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 sample custody, holding times, and MS/MSD recoveries as discussed below.

Sample Custody

Mercury results for samples collected on 10/27/10 were considered estimated and qualified "J" because the field sampling crew inadvertently used sample containers designated from a nonproject related laboratory. Therefore, upon sample receipt at BRL, BRL sent these samples to this nonproject related laboratory which held the sample bottles for approximately one week. Since this laboratory was unable to conduct the low level mercury analysis, these samples were shipped back to BRL for analysis.

Holding Times

Based upon the sample custody issue discussed above, the holding time requirement for the dissolved mercury samples collected on 10/27/10 was exceeded. Dissolved mercury results were considered estimated and qualified "J" for these samples.

MS/MSD Recoveries

All the MS/MSD accuracy results were considered acceptable and within QC limits and have concentrations less than four times the spiking concentration, with the exception of the high MS recovery for mercury (129%R; QC limit 71-125%R) associated with samples in SDG 1045026. Positive mercury results were considered estimated, possibly biased high, and qualified "J" for these samples.

Usability

All mercury and methyl mercury sample results for the surface water 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 mercury and methyl mercury data presented by BRL were 100% complete (i.e., usable). The validated mercury and methyl mercury laboratory data are tabulated and presented in Attachment A-3.

B2.3.2 TSS

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 TSS sample results did not require qualification resulting from data validation.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The TSS data presented by Accutest were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-3.

B2.4 SEDIMENT

Data review has been completed for data packages generated by Accutest and BRL containing sediment samples collected from the site. The specific samples contained in these data packages, the analyses performed, and validated laboratory data are tabulated and presented in Attachment A-4. 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.

B2.4.1 Mercury and Methyl Mercury

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Interference check sample 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.

Usability

All mercury and methyl mercury sample results for the sediment 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 mercury and methyl mercury data presented by Accutest and BRL were 100% complete (i.e., usable). The validated mercury and methyl mercury laboratory data are tabulated and presented in Attachment A-4.

It was noted that certain sediment samples contained less than 50% solids. The mercury and methyl mercury sample results for these samples were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

B2.4.2 TOC

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 TOC sample results were as follows:

- The TOC results for all samples were considered estimated, possibly biased low, and qualified "J" based upon low matrix spike recoveries (17.2%R, 30.3%R; QC limit 54-133%R);
- The TOC results for samples collected on 8/6/10 and 8/10/10 were considered estimated and qualified "J" based upon a poor laboratory duplicate precision (108.9%RPD; QC limit 0-54%RPD); and
- Certain TOC results were considered estimated and qualified "J" based upon less than 50% solids content.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The TOC data presented by Accutest were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-4.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR FISH SAMPLES

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158
		Field Sample ID	OL-1305-01F		OL-1305-02F		OL-1305-03F		OL-1305-04F		OL-1305-05F		OL-1305-06F		OL-1305-07F		OL-1305-08F		OL-1305-09F		OL-1305-10F		OL-1305-11F
		Sample Date	6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010
		SDG	G383-806 JA49132 JA49132R		JA49132		JA49132		JA49132		JA49132		JA49132		JA49132 JA49132R		G383-806 JA49132 JA49132R		JA49132		JA49132		JA49132
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Taxon	WALL		WALL		WALL		SMB		SMB		SMB		BB		BB		BB		BB		BB
		Specimen Sex	U		U		F		M		U		F		U		U		U		U		U
		Specimen Length	598 mm		557 mm		570 mm		436 mm		466 mm		436 mm		328 mm		308 mm		316 mm		314 mm		318 mm
		Specimen Weight	2935 g		2262 g		2382 g		1303 g		1498 g		1394 g		481 g		428 g		439 g		399 g		461 g
		Specimen Age	12+ yrs		15 yrs		10+ yrs		9 yrs		14 yrs		9 yrs		4+ yrs		5+ yrs		6 yrs		4+ yrs		4+ yrs
Method	Parameter Name	Units																					
Percent Lipids	%LIPIDS DETERMINATION	%	1.5												2.6		0.46						
SW7471	MERCURY	mg/kg	2.2	J	2.5	J	1.7	J	1.5	J	2.7	J	1.7	J	0.18	J	0.25	J	0.19	J	0.3	J	0.41
SW8081	4,4'-DDD	ug/kg	3.9	U											4	U	4	U					
SW8081	4,4'-DDE	ug/kg	3.9	U											4	U	4	U					
SW8081	4,4'-DDT	ug/kg	3.9	U											4	U	4	U					
SW8081	HEXACHLOROBENZENE	ug/kg	19	J											14.1	J	2	UJ					
SW8082	AROCLOR-1016	ug/kg	98	U											100	U	100	U					
SW8082	AROCLOR-1221	ug/kg	98	U											100	U	100	U					
SW8082	AROCLOR-1232	ug/kg	98	U											100	U	100	U					
SW8082	AROCLOR-1242	ug/kg	98	U											100	U	100	U					
SW8082	AROCLOR-1248	ug/kg	1370												100	U	100	U					
SW8082	AROCLOR-1254	ug/kg	1060	J											100	U	100	U					
SW8082	AROCLOR-1260	ug/kg	317												100	U	100	U					
SW8082	AROCLOR-1268	ug/kg	98	U											100	U	100	U					
SW8082	PCBS, N.O.S.	ug/kg	2750												100	U	100	U					
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.699	U													0.575	U					
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	1.29	J													0.746	J					
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.959	U													0.504	U					
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	2.6	U													1	U					
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	3.01	U													1.01	U					
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	2.07	U													0.795	U					
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	2.4	U													0.81	U					
SW8290	1,2,3,7,8,9-HXCDD	ng/kg	2.48	U													0.955	U					
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	3.44	U													1.16	U					
SW8290	1,2,3,7,8-PECDD	ng/kg	2.11	U													1.41	U					
SW8290	1,2,3,7,8-PECDF	ng/kg	2.97	J													0.44	U					
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	2.77	U													0.935	U					
SW8290	2,3,4,7,8-PECDF	ng/kg	3.37	J													1.86	J					
SW8290	2,3,7,8-TCDD	ng/kg															0.408	U					
SW8290	2,3,7,8-TCDF	ng/kg	6.16														0.705	J					
SW8290	OCDD	ng/kg	0.815	U													0.885	U					
SW8290	OCDF	ng/kg	0.73	U													0.702	U					
SW8290	TOTAL HPCDD	ng/kg	21.3														4.98						
SW8290	TOTAL HPCDF	ng/kg	1.29														0.746						
SW8290	TOTAL HXCDD	ng/kg	16														1.07						
SW8290	TOTAL HXCDF	ng/kg	3.44	U													1.16	U					
SW8290	TOTAL PECDD	ng/kg	15.4														1.85	U					
SW8290	TOTAL PECDF	ng/kg	23.9														4.92						
SW8290	TOTAL TCDD	ng/kg	23.9														0.494	U					
SW8290	Total TCDF	PG/G	45.1														1.3						

Validated Laboratory Data for
Fish Samples

		Location		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158	
		Field Sample ID		OL-1305-12F		OL-1305-13F		OL-1305-14F		OL-1305-20F		OL-1306-01F		OL-1306-02F		OL-1306-03F		OL-1306-04F		OL-1306-05F		OL-1306-06F		OL-1307-07F	
		Sample Date		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010	
		SDG		JA49132		JA49132		JA49132		JA49132		JA49133		JA49133		JA49133		G383-807 JA49133 JA49133R		JA49133		JA49133		JA49134	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon		BB		BB		BB		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD		WALL	
		Specimen Sex		F		F		U		U		U		U		F		F		F		F		U	
		Specimen Length		305 mm		314 mm		310 mm		171 mm		195 mm		166 mm		180 mm		152 mm		191 mm		169 mm		559 mm	
		Specimen Weight		344 g		415 g		381 g		142 g		186 g		121 g		160 g		95 g		209 g		145 g		2303 g	
		Specimen Age		4+ yrs		7 yrs		4+ yrs		3+ yrs		4+ yrs		3+ yrs		5+ yrs		3+ yrs		5+ yrs		5+ yrs		16+ yrs	
Method	Parameter Name	Units																							
Percent Lipids	%LIPIDS DETERMINATION	%								0.023	J							0.099	U						
SW7471	MERCURY	mg/kg	J	0.27	J	0.3	J	0.41	J	0.2	J	0.59	J	0.47	J	0.41	J	0.28	J	0.31	J	0.41	J	2.2	
SW8081	4,4'-DDD	ug/kg								3.8	U							3.8	U						
SW8081	4,4'-DDE	ug/kg								3.8	U							3.8	U						
SW8081	4,4'-DDT	ug/kg								3.8	U							3.8	U						
SW8081	HEXACHLOROBENZENE	ug/kg																1.9	UJ						
SW8082	AROCLOR-1016	ug/kg								96	U							94	U						
SW8082	AROCLOR-1221	ug/kg								96	U							94	U						
SW8082	AROCLOR-1232	ug/kg								96	U							94	U						
SW8082	AROCLOR-1242	ug/kg								96	U							94	U						
SW8082	AROCLOR-1248	ug/kg								96	U							94	U						
SW8082	AROCLOR-1254	ug/kg								96	U							94	U						
SW8082	AROCLOR-1260	ug/kg								96	U							94	U						
SW8082	AROCLOR-1268	ug/kg								96	U							94	U						
SW8082	PCBS, N.O.S.	ug/kg								96	U							94	U						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																0.547	U						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																0.293	U						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																0.404	U						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																0.616	U						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																0.789	U						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																0.49	U						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																0.63	U						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																0.589	U						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																0.901	U						
SW8290	1,2,3,7,8-PECDD	ng/kg																0.569	U						
SW8290	1,2,3,7,8-PECDF	ng/kg																0.334	U						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																0.727	U						
SW8290	2,3,4,7,8-PECDF	ng/kg																0.332	U						
SW8290	2,3,7,8-TCDD	ng/kg																							
SW8290	2,3,7,8-TCDF	ng/kg																1.51							
SW8290	OCDD	ng/kg																0.787	U						
SW8290	OCDF	ng/kg																0.682	U						
SW8290	TOTAL HPCDD	ng/kg																1							
SW8290	TOTAL HPCDF	ng/kg																0.404	U						
SW8290	TOTAL HXCDD	ng/kg																0.616	U						
SW8290	TOTAL HXCDF	ng/kg																0.901	U						
SW8290	TOTAL PECDD	ng/kg																0.746	U						
SW8290	TOTAL PECDF	ng/kg																0.226							
SW8290	TOTAL TCDD	ng/kg																0.437	U						
SW8290	Total TCDF	PG/G																0.242							

Validated Laboratory Data for
Fish Samples

		Location		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158	
		Field Sample ID		OL-1307-08F		OL-1307-09F		OL-1307-10F		OL-1307-11F		OL-1307-12F		OL-1320-01F		OL-1320-02F		OL-1320-03F					
		Sample Date		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/29/2010		6/29/2010		6/29/2010					
		SDG		JA49134 JA49134R		JA49134		JA49134		JA49134		JA49134		JA50230R JA50230		JA50230R JA50230		JA50230					
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE					
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample					
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish					
		Taxon		WALL		WALL		WALL		WALL		WALL		SMB		SMB		SMB					
		Specimen Sex		U		U		U		U		F		U		F		U					
		Specimen Length		556 mm		597 mm		440 mm		606 mm		573 mm		418 mm		320 mm		219 mm					
		Specimen Weight		2261 g		2977 g		1283 g		2970 g		1768 g		1279 g		600 g		147 g					
		Specimen Age		19 yrs		16+ yrs		5+ yrs		14+ yrs		19 yrs		8+ yrs		5+ yrs		2+ yrs					
Method	Parameter Name	Units																					
Percent Lipids	%LIPIDS DETERMINATION	%		14.2										0.56		0.52							
SW7471	MERCURY	mg/kg		2.1		2.1		0.55		1.8		2.3		1.3		0.85		0.74					
SW8081	4,4'-DDD	ug/kg		49.5	JN									4	UJ	3.8	UJ						
SW8081	4,4'-DDE	ug/kg		152										5		3.8	U						
SW8081	4,4'-DDT	ug/kg		3.9	U									4	U	3.8	U						
SW8081	HEXACHLOROBENZENE	ug/kg		42.6	J									2	UJ	1.9	UJ						
SW8082	AROCLOR-1016	ug/kg		9.8	U									10	U	9.6	U						
SW8082	AROCLOR-1221	ug/kg		9.8	U									10	U	9.6	U						
SW8082	AROCLOR-1232	ug/kg		9.8	U									10	U	9.6	U						
SW8082	AROCLOR-1242	ug/kg		9.8	U									10	U	9.6	U						
SW8082	AROCLOR-1248	ug/kg		3070										10	U	9.6	U						
SW8082	AROCLOR-1254	ug/kg		1970										10	U	9.6	U						
SW8082	AROCLOR-1260	ug/kg		734										10	U	9.6	U						
SW8082	AROCLOR-1268	ug/kg		9.8	U									10	U	9.6	U						
SW8082	PCBS, N.O.S.	ug/kg		5770										10	U	9.6	U						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																					
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																					
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																					
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																					
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																					
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																					
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																					
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																					
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																					
SW8290	1,2,3,7,8-PECDD	ng/kg																					
SW8290	1,2,3,7,8-PECDF	ng/kg																					
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																					
SW8290	2,3,4,7,8-PECDF	ng/kg																					
SW8290	2,3,7,8-TCDD	ng/kg																					
SW8290	2,3,7,8-TCDF	ng/kg																					
SW8290	OCDD	ng/kg																					
SW8290	OCDF	ng/kg																					
SW8290	TOTAL HPCDD	ng/kg																					
SW8290	TOTAL HPCDF	ng/kg																					
SW8290	TOTAL HXCDD	ng/kg																					
SW8290	TOTAL HXCDF	ng/kg																					
SW8290	TOTAL PECDD	ng/kg																					
SW8290	TOTAL PECDF	ng/kg																					
SW8290	TOTAL TCDD	ng/kg																					
SW8290	Total TCDF	PG/G																					

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158	
		Field Sample ID	OL-1322-01F		OL-1322-02F		OL-1322-03F		OL-1322-04F		OL-1322-05F		OL-1322-08F		OL-1322-09F		OL-1347-16		OL-1347-17		OL-1347-18		OL-1347-19	
		Sample Date	7/1/2010		7/1/2010		7/1/2010		7/1/2010		7/1/2010		7/1/2010		7/1/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010	
		SDG	JA50445 JA50445R G383-812		JA50445 JA50445R		JA50445 JA50445R		JA50445 JA50445R G383-812		JA50445 JA50445R G383-812		JA50445		JA50445 JA50445R		JA54812		JA54812		JA54812		JA54812	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	SMB		SMB		SMB		SMB		SMB		SMB		SMB		BK		BK		BK		BK	
		Specimen Sex	F		U		F		U		F		F		U									
		Specimen Length	422 mm		408 mm		417 mm		440 mm		439 mm		266 mm		204 mm		73.73 mm		69 mm		66 mm		59.67 mm	
		Specimen Weight	1351 g		1030 g		1160 g		1241 g		1101 g		275 g		133 g		3.95 g		3.26 g		2.83 g		2.05 g	
		Specimen Age	6+ yrs		9 yrs		7+ yrs		11+ yrs		11 yrs		3+ yrs		3+ yrs									
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%	0.83	J	0.24	J	0.85	J	0.21	J	0.19	J			0.23	J	0.53							
SW7471	MERCURY	mg/kg	1.3	J	1.3	J	0.85	J	1.7	J	2.2	J	1.2	J	0.44	J	0.8		0.55		0.61		0.38	
SW8081	4,4'-DDD	ug/kg	3.8	UJ	3.9	UJ	4	UJ	3.8	UJ	3.8	UJ			3.8	UJ	3.9	U						
SW8081	4,4'-DDE	ug/kg	3.8	U	3.9	U	4	U	8.5		3.8	U			3.8	U	3.9	U						
SW8081	4,4'-DDT	ug/kg	3.8	U	3.9	U	4	U	3.8	U	3.8	U			3.8	U	3.9	U						
SW8081	HEXACHLOROBENZENE	ug/kg	1.9	UJ	2	UJ	2	UJ	1.9	UJ	1.9	UJ			1.9	UJ	3.4	JN						
SW8082	AROCLOR-1016	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	AROCLOR-1221	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	AROCLOR-1232	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	AROCLOR-1242	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	AROCLOR-1248	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	AROCLOR-1254	ug/kg	9.4	U	9.8	U	10	U	182	J	87.4	J			9.6	U	9.8	U						
SW8082	AROCLOR-1260	ug/kg	9.4	U	9.8	U	10	U	9.6	U	44.6	J			9.6	U	9.8	U						
SW8082	AROCLOR-1268	ug/kg	9.4	U	9.8	U	10	U	9.6	U	9.6	U			9.6	U	9.8	U						
SW8082	PCBS, N.O.S.	ug/kg	9.4	U	9.8	U	10	U	182	J	132	J			9.6	U	9.8	U						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.524	U					0.299	U	0.371	U												
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	0.862	J					0.346	U	0.41	U												
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.52	U					0.477	U	0.565	U												
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	1.55	U					0.999	U	1.32	U												
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	3.34	U					3.97	U	3.03	U												
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	1.24	U					0.794	U	1.05	U												
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	2.67	U					3.17	U	2.42	U												
SW8290	1,2,3,7,8,9-HXCDD	ng/kg	1.48	U					0.954	U	1.26	U												
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	3.82	U					4.54	U	3.46	U												
SW8290	1,2,3,7,8-PECDD	ng/kg	1.42	U					1.76	U	2.26	U												
SW8290	1,2,3,7,8-PECDF	ng/kg	0.925	J					0.841	J	0.777	J												
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	3.08	U					3.66	U	2.79	U												
SW8290	2,3,4,7,8-PECDF	ng/kg	1.03	J					1.33	J	0.829	J												
SW8290	2,3,7,8-TCDD	ng/kg	0.352	U					0.466	J	0.398	J												
SW8290	2,3,7,8-TCDF	ng/kg	1.93						1.6		0.699	J												
SW8290	OCDD	ng/kg	0.653	U					9.29	UJ	8.87	UJ												
SW8290	OCDF	ng/kg	0.639	U					0.398	U	0.429	U												
SW8290	TOTAL HPCDD	ng/kg	7.81						8.55		7.02	J												
SW8290	TOTAL HPCDF	ng/kg	0.862						0.477	U	0.569	U												
SW8290	TOTAL HXCDD	ng/kg	1.55	U					2.09	J	3.32	J												
SW8290	TOTAL HXCDF	ng/kg	3.82	U					4.54	U	3.46	U												
SW8290	TOTAL PECDD	ng/kg	3.53						6.95	J	4.11	J												
SW8290	TOTAL PECDF	ng/kg	6.44	J					9.47	J	3.22	J												
SW8290	TOTAL TCDD	ng/kg	4.95						5.91		3.71													
SW8290	Total TCDF	PG/G	9.36	J					20.6		12.3													

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-20158		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093	
		Field Sample ID	OL-1347-20		OL-1308-01F		OL-1308-02F		OL-1308-03F		OL-1308-04F		OL-1308-05F		OL-1308-06F		OL-1311-01F		OL-1311-02F		OL-1311-03F		OL-1311-04F	
		Sample Date	8/25/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010	
		SDG	JA54812		JA49135		JA49135		JA49135		JA49135		JA49135R JA49135		JA49135R JA49135		JA49263R JA49263		JA49263		JA49263		JA49263	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BK		WALL		WALL		WALL		WALL		WALL		WALL		BB		BB		BB		BB	
		Specimen Sex			U		U		U		U		U		F		U		U		F		U	
		Specimen Length	61.87 mm		560 mm		526 mm		518 mm		523 mm		498 mm		612 mm		323 mm		307 mm		342 mm		330 mm	
		Specimen Weight	2.35 g		2242 g		1845 g		1789 g		1866 g		1597 g		3038 g		429 g		435 g		503 g		487 g	
		Specimen Age			5+ yrs		13+ yrs		5+ yrs		11+ yrs		11 yrs		10 yrs		4+ yrs		5 yrs		5+ yrs		6 yrs	
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%											1.2		1.5		0.36							
SW7471	MERCURY	mg/kg	0.53		1.6		1.3		1.8		1.7		1.3		3.5		0.15	J	0.16	J	0.096	J	0.27	J
SW8081	4,4'-DDD	ug/kg											4	U	4	U	3.9	U						
SW8081	4,4'-DDE	ug/kg											4	U	4	U	3.9	U						
SW8081	4,4'-DDT	ug/kg											4	U	4	U	3.9	U						
SW8081	HEXACHLOROBENZENE	ug/kg											2	UJ	2.3	J	2	UJ						
SW8082	AROCLOR-1016	ug/kg											10	U	10	U	9.8	U						
SW8082	AROCLOR-1221	ug/kg											10	U	10	U	9.8	U						
SW8082	AROCLOR-1232	ug/kg											10	U	10	U	9.8	U						
SW8082	AROCLOR-1242	ug/kg											10	U	10	U	9.8	U						
SW8082	AROCLOR-1248	ug/kg											10	U	106		22.8							
SW8082	AROCLOR-1254	ug/kg											10	U	69.9		17.9							
SW8082	AROCLOR-1260	ug/kg											10	U	24.2		9.8	U						
SW8082	AROCLOR-1268	ug/kg											10	U	10	U	9.8	U						
SW8082	PCBS, N.O.S.	ug/kg											10	U	200		40.7							
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																						
SW8290	1,2,3,7,8-PECDD	ng/kg																						
SW8290	1,2,3,7,8-PECDF	ng/kg																						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																						
SW8290	2,3,4,7,8-PECDF	ng/kg																						
SW8290	2,3,7,8-TCDD	ng/kg																						
SW8290	2,3,7,8-TCDF	ng/kg																						
SW8290	OCDD	ng/kg																						
SW8290	OCDF	ng/kg																						
SW8290	TOTAL HPCDD	ng/kg																						
SW8290	TOTAL HPCDF	ng/kg																						
SW8290	TOTAL HXCDD	ng/kg																						
SW8290	TOTAL HXCDF	ng/kg																						
SW8290	TOTAL PECDD	ng/kg																						
SW8290	TOTAL PECDF	ng/kg																						
SW8290	TOTAL TCDD	ng/kg																						
SW8290	Total TCDF	PG/G																						

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093	
		Field Sample ID	OL-1311-05F		OL-1311-06F		OL-1312-07F		OL-1312-08F		OL-1312-09F		OL-1312-10F		OL-1312-11F		OL-1316-01F		OL-1316-02F		OL-1316-03F		OL-1316-04F	
		Sample Date	6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010	
		SDG	JA49263		JA49263		JA49264		JA49264		JA49264		JA49264		JA49264		JA49705		JA49705		JA49705		JA49705	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		BB		PKSD		PKSD		PKSD		PKSD		PKSD		WALL		WALL		WALL		WALL	
		Specimen Sex	U		F		U		U		F		U		U		U		U		M		F	
		Specimen Length	332 mm		296 mm		197 mm		185 mm		204 mm		185 mm		130 mm		557 mm		585 mm		580 mm		593 mm	
		Specimen Weight	498 g		333 g		207 g		172 g		255 g		163 g		58 g		2156 g		2378 g		2540 g		2950 g	
		Specimen Age	5+ yrs		4+ yrs		6+ yrs		5+ yrs		6+ yrs		4+ yrs		2+ yrs		14+ yrs		11+ yrs		8+ yrs		6+ yrs	
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%																						
SW7471	MERCURY	mg/kg	0.17	J	0.25	J	0.081		0.095		0.12		0.071		0.022	J	3.3		2.3		2.3		1.4	
SW8081	4,4'-DDD	ug/kg																						
SW8081	4,4'-DDE	ug/kg																						
SW8081	4,4'-DDT	ug/kg																						
SW8081	HEXACHLOROBENZENE	ug/kg																						
SW8082	AROCLOR-1016	ug/kg																						
SW8082	AROCLOR-1221	ug/kg																						
SW8082	AROCLOR-1232	ug/kg																						
SW8082	AROCLOR-1242	ug/kg																						
SW8082	AROCLOR-1248	ug/kg																						
SW8082	AROCLOR-1254	ug/kg																						
SW8082	AROCLOR-1260	ug/kg																						
SW8082	AROCLOR-1268	ug/kg																						
SW8082	PCBS, N.O.S.	ug/kg																						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																						
SW8290	1,2,3,7,8-PECDD	ng/kg																						
SW8290	1,2,3,7,8-PECDF	ng/kg																						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																						
SW8290	2,3,4,7,8-PECDF	ng/kg																						
SW8290	2,3,7,8-TCDD	ng/kg																						
SW8290	2,3,7,8-TCDF	ng/kg																						
SW8290	OCDD	ng/kg																						
SW8290	OCDF	ng/kg																						
SW8290	TOTAL HPCDD	ng/kg																						
SW8290	TOTAL HPCDF	ng/kg																						
SW8290	TOTAL HXCDD	ng/kg																						
SW8290	TOTAL HXCDF	ng/kg																						
SW8290	TOTAL PECDD	ng/kg																						
SW8290	TOTAL PECDF	ng/kg																						
SW8290	TOTAL TCDD	ng/kg																						
SW8290	Total TCDF	PG/G																						

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-40212		OL-STA-40212	
		Field Sample ID	OL-1348-01		OL-1348-02		OL-1348-03		OL-1348-04		OL-1348-05		OL-1311-07F		OL-1311-08F	
		Sample Date	8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		6/16/2010		6/16/2010	
		SDG	JA54813		JA54813		JA54813		JA54813		JA54813		JA49263R JA49263		G383-810 JA49263R JA49263	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BRSI		BK		BK		BK		BK		PKSD		PKSD	
		Specimen Sex											U		F	
		Specimen Length	56.92 mm		56.6 mm		71.4 mm		80.1 mm		77.8 mm		146 mm		137 mm	
		Specimen Weight	0.87 g		1.28 g		3.62 g		4.29 g		3.73 g		94 g		70 g	
		Specimen Age											2+ yrs		2+ yrs	
Method	Parameter Name	Units														
Percent Lipids	%LIPIDS DETERMINATION	%					1.2						0.28		0.28	
SW7471	MERCURY	mg/kg	0.05		0.074		0.078		0.11		0.3		0.073	J	0.071	J
SW8081	4,4'-DDD	ug/kg					3.9	U					3.9	U	4	U
SW8081	4,4'-DDE	ug/kg					3.9	U					3.9	U	5.5	
SW8081	4,4'-DDT	ug/kg					3.9	U					3.9	U	4	U
SW8081	HEXACHLOROBENZENE	ug/kg					2.8	JN					2	UJ	3.5	J
SW8082	AROCLOR-1016	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1221	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1232	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1242	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1248	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1254	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1260	ug/kg					9.8	U					9.8	U	10	U
SW8082	AROCLOR-1268	ug/kg					9.8	U					9.8	U	10	U
SW8082	PCBS, N.O.S.	ug/kg					9.8	U					9.8	U	10	U
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg													0.564	U
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg													0.319	U
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg													0.44	U
SW8290	1,2,3,4,7,8-HXCDD	ng/kg													1.15	U
SW8290	1,2,3,4,7,8-HXCDF	ng/kg													5.04	U
SW8290	1,2,3,6,7,8-HXCDD	ng/kg													0.917	U
SW8290	1,2,3,6,7,8-HXCDF	ng/kg													4.03	U
SW8290	1,2,3,7,8,9-HXCDD	ng/kg													1.1	U
SW8290	1,2,3,7,8,9-HXCDF	ng/kg													5.76	U
SW8290	1,2,3,7,8-PECDD	ng/kg													1.62	U
SW8290	1,2,3,7,8-PECDF	ng/kg													0.303	U
SW8290	2,3,4,6,7,8-HXCDF	ng/kg													4.65	U
SW8290	2,3,4,7,8-PECDF	ng/kg													0.3	U
SW8290	2,3,7,8-TCDD	ng/kg														
SW8290	2,3,7,8-TCDF	ng/kg													0.702	J
SW8290	OCDD	ng/kg													0.98	U
SW8290	OCDF	ng/kg													0.99	U
SW8290	TOTAL HPCDD	ng/kg													1.05	
SW8290	TOTAL HPCDF	ng/kg													0.44	U
SW8290	TOTAL HXCDD	ng/kg													1.15	U
SW8290	TOTAL HXCDF	ng/kg													5.76	U
SW8290	TOTAL PECDD	ng/kg													1.62	U
SW8290	TOTAL PECDF	ng/kg													0.303	U
SW8290	TOTAL TCDD	ng/kg													0.418	U
SW8290	Total TCDF	PG/G													0.702	

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212
		Field Sample ID	OL-1311-09F		OL-1311-10F		OL-1311-11F		OL-1311-12F		OL-1311-13F		OL-1311-14F		OL-1311-15F		OL-1311-16F		OL-1311-17F		OL-1311-18F		OL-1314-01F
		Sample Date	6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/18/2010
		SDG	JA49263		JA49263		JA49263		JA49263		JA49263		JA49263		JA49263		JA49263		JA49263		G383-810 JA49263R JA49263		JA49553
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Taxon	PKSD		PKSD		PKSD		BB		BB		BB		BB		BB		BB		WALL		BB
		Specimen Sex	F		U		U		F		F		U		F		U		U		U		F
		Specimen Length	157 mm		141 mm		129 mm		293 mm		299 mm		306 mm		290 mm		316 mm		307 mm		584 mm		343 mm
		Specimen Weight	119 g		81 g		55 g		376 g		342 g		423 g		352 g		421 g		405 g		1490 g		636 g
		Specimen Age	3+ yrs		2+ yrs		2+ yrs		5 yrs		6 yrs		5 yrs		4+ yrs		5+ yrs		4+ yrs		8+ yrs		7 yrs
Method	Parameter Name	Units																					
Percent Lipids	%LIPIDS DETERMINATION	%																			1.8		
SW7471	MERCURY	mg/kg	0.24	J	0.085	J	0.07	J	0.1	J	0.13	J	0.091	J	0.2	J	0.16	J	0.15	J	0.88	J	0.33
SW8081	4,4'-DDD	ug/kg																			4	U	
SW8081	4,4'-DDE	ug/kg																			4	U	
SW8081	4,4'-DDT	ug/kg																			4	U	
SW8081	HEXACHLOROBENZENE	ug/kg																			2.6	J	
SW8082	AROCLOR-1016	ug/kg																			10	U	
SW8082	AROCLOR-1221	ug/kg																			10	U	
SW8082	AROCLOR-1232	ug/kg																			10	U	
SW8082	AROCLOR-1242	ug/kg																			10	U	
SW8082	AROCLOR-1248	ug/kg																			131		
SW8082	AROCLOR-1254	ug/kg																			70.9		
SW8082	AROCLOR-1260	ug/kg																			25.3		
SW8082	AROCLOR-1268	ug/kg																			10	U	
SW8082	PCBS, N.O.S.	ug/kg																			227		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																			0.462	U	
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																			0.611	J	
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																			0.498	U	
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																			1.32	U	
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																			1.07	U	
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																			1.05	U	
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																			0.855	U	
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																			1.26	U	
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																			1.22	U	
SW8290	1,2,3,7,8-PECDD	ng/kg																			1.03	U	
SW8290	1,2,3,7,8-PECDF	ng/kg																			1.42	J	
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																			0.987	U	
SW8290	2,3,4,7,8-PECDF	ng/kg																			1.32	J	
SW8290	2,3,7,8-TCDD	ng/kg																			0.44	U	
SW8290	2,3,7,8-TCDF	ng/kg																			2.55		
SW8290	OCDD	ng/kg																			0.585	U	
SW8290	OCDF	ng/kg																			0.541	U	
SW8290	TOTAL HPCDD	ng/kg																			10.5		
SW8290	TOTAL HPCDF	ng/kg																			0.611		
SW8290	TOTAL HXCDD	ng/kg																			5.91		
SW8290	TOTAL HXCDF	ng/kg																			0.964	J	
SW8290	TOTAL PECDD	ng/kg																			4.78		
SW8290	TOTAL PECDF	ng/kg																			10.9	J	
SW8290	TOTAL TCDD	ng/kg																			0.532	U	
SW8290	Total TCDF	PG/G																			23.7	J	

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057			
		Field Sample ID	OL-1320-16F		OL-1346-01		OL-1346-02		OL-1346-03		OL-1346-04		OL-1346-05		OL-1311-19F		OL-1311-20F		OL-1314-02F		OL-1314-03F			
		Sample Date	6/29/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		6/16/2010		6/16/2010		6/18/2010		6/18/2010			
		SDG	JA50230		JA54606		JA54606		JA54606		JA54606		JA54606		JA49263		JA49263		JA49553R JA49553		JA49553R JA49553			
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE			
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample			
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish			
		Taxon	SMB		BK		BK		BK		BK		BK		WALL		WALL		BB		BB			
		Specimen Sex	U												U		F		F		F			
		Specimen Length	302 mm		62 mm		70.6 mm		70.27 mm		58.33 mm		81.9 mm		558 mm		500 mm		308 mm		305 mm			
		Specimen Weight	462 g		2.98 g		3.65 g		3.55 g		2.01 g		5.6 g		2198 g		1519 g		390 g		415 g			
		Specimen Age	6+ yrs												23 yrs		5+ yrs		5 yrs		3+ yrs			
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%							0.8				0.57						0.27		0.37			
SW7471	MERCURY	mg/kg	0.64		0.28		0.4		0.24		0.23		0.27		3.1	J	0.86	J	0.31		0.45			
SW8081	4,4'-DDD	ug/kg							3.9	U			3.9	U					4	U	3.8	U		
SW8081	4,4'-DDE	ug/kg							3.9	U			3.9	U					4	U	3.8	U		
SW8081	4,4'-DDT	ug/kg							3.9	U			3.9	U					4	U	3.8	U		
SW8081	HEXACHLOROBENZENE	ug/kg							2	U			2	U					2	UJ	1.9	UJ		
SW8082	AROCLOR-1016	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1221	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1232	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1242	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1248	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1254	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1260	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	AROCLOR-1268	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8082	PCBS, N.O.S.	ug/kg							9.8	U			9.8	U					10	U	9.6	U		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																						
SW8290	1,2,3,7,8-PECDD	ng/kg																						
SW8290	1,2,3,7,8-PECDF	ng/kg																						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																						
SW8290	2,3,4,7,8-PECDF	ng/kg																						
SW8290	2,3,7,8-TCDD	ng/kg																						
SW8290	2,3,7,8-TCDF	ng/kg																						
SW8290	OCDD	ng/kg																						
SW8290	OCDF	ng/kg																						
SW8290	TOTAL HPCDD	ng/kg																						
SW8290	TOTAL HPCDF	ng/kg																						
SW8290	TOTAL HXCDD	ng/kg																						
SW8290	TOTAL HXCDF	ng/kg																						
SW8290	TOTAL PECDD	ng/kg																						
SW8290	TOTAL PECDF	ng/kg																						
SW8290	TOTAL TCDD	ng/kg																						
SW8290	Total TCDF	PG/G																						

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057	
		Field Sample ID	OL-1314-04F		OL-1314-05F		OL-1314-06F		OL-1314-07F		OL-1314-08F		OL-1314-09F		OL-1314-10F		OL-1314-11F		OL-1314-12F		OL-1314-13F	
		Sample Date	6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010	
		SDG	G383-811 JA49553R JA49553		JA49553		JA49553		JA49553		JA49553		JA49553R JA49553		JA49553		JA49553		JA49553R JA49553		JA49553	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		BB		BB		BB		BB		PKSD		PKSD		PKSD		PKSD		PKSD	
		Specimen Sex	U		F		F		F		F		U		F		U		U		U	
		Specimen Length	331 mm		317 mm		346 mm		308 mm		300 mm		133 mm		183 mm		181 mm		180 mm		194 mm	
		Specimen Weight	552 g		471 g		578 g		422 g		354 g		66 g		152 g		157 g		156 g		203 g	
		Specimen Age	6+ yrs		5+ yrs		4+ yrs		6 yrs		5+ yrs		2+ yrs		6+ yrs		5+ yrs		5+ yrs		5+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%	0.46										0.35						0.33			
SW7471	MERCURY	mg/kg	0.23		0.47		0.64		0.32		0.23		0.092		0.46		0.35		0.53		0.32	
SW8081	4,4'-DDD	ug/kg	4	U									4	U					3.9	U		
SW8081	4,4'-DDE	ug/kg	4	U									4	U					3.9	U		
SW8081	4,4'-DDT	ug/kg	4	U									4	U					3.9	U		
SW8081	HEXACHLOROBENZENE	ug/kg	2	UJ									2	UJ					2	UJ		
SW8082	AROCLOR-1016	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1221	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1232	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1242	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1248	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1254	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1260	ug/kg	10	U									10	U					9.8	U		
SW8082	AROCLOR-1268	ug/kg	10	U									10	U					9.8	U		
SW8082	PCBS, N.O.S.	ug/kg	10	U									10	U					9.8	U		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.599	U																		
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	0.688	J																		
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.496	U																		
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	0.966	U																		
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	2.67	U																		
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	0.768	U																		
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	2.13	U																		
SW8290	1,2,3,7,8,9-HXCDD	ng/kg	0.923	U																		
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	3.05	U																		
SW8290	1,2,3,7,8-PECDD	ng/kg	1.36	U																		
SW8290	1,2,3,7,8-PECDF	ng/kg	0.576	U																		
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	2.46	U																		
SW8290	2,3,4,7,8-PECDF	ng/kg	0.572	U																		
SW8290	2,3,7,8-TCDD	ng/kg	0.288	U																		
SW8290	2,3,7,8-TCDF	ng/kg	0.577	J																		
SW8290	OCDD	ng/kg	0.64	U																		
SW8290	OCDF	ng/kg	0.754	U																		
SW8290	TOTAL HPCDD	ng/kg	5.64																			
SW8290	TOTAL HPCDF	ng/kg	0.688																			
SW8290	TOTAL HXCDD	ng/kg	0.966	U																		
SW8290	TOTAL HXCDF	ng/kg	3.05	U																		
SW8290	TOTAL PECDD	ng/kg	1.78	U																		
SW8290	TOTAL PECDF	ng/kg	0.576	U																		
SW8290	TOTAL TCDD	ng/kg	0.349	U																		
SW8290	Total TCDF	PG/G	1.42																			

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057	
		Field Sample ID	OL-1314-14F		OL-1314-15F		OL-1316-10F		OL-1316-11F		OL-1316-12F		OL-1316-13F		OL-1317-06F		OL-1317-07F		OL-1317-08F		OL-1317-09F		OL-1317-10F	
		Sample Date	6/18/2010		6/18/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/23/2010		6/23/2010		6/23/2010		6/23/2010		6/23/2010	
		SDG	JA49553		JA49553		JA49705		JA49705		JA49705		JA49705		JA49813		JA49813		JA49813		JA49813		JA49813	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	PKSD		PKSD		WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL	
		Specimen Sex	U		U		U		M		F		M		M		F		F		M		M	
		Specimen Length	160 mm		192 mm		498 mm		470 mm		598 mm		521 mm		521 mm		575 mm		559 mm		534 mm		432 mm	
		Specimen Weight	125 g		209 g		1685 g		1393 g		2480 g		1915 g		1795 g		2856 g		2090 g		1951 g		929 g	
		Specimen Age	3+ yrs		5+ yrs		9+ yrs		8+ yrs		11+ yrs		9+ yrs		8+ yrs		11+ yrs		5+ yrs		9+ yrs		4+ yrs	
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%																						
SW7471	MERCURY	mg/kg	0.25		0.3		1.6		1.4		2.1		2.9		2.2		2.6		1.5		1.6		0.34	
SW8081	4,4'-DDD	ug/kg																						
SW8081	4,4'-DDE	ug/kg																						
SW8081	4,4'-DDT	ug/kg																						
SW8081	HEXACHLOROBENZENE	ug/kg																						
SW8082	AROCLOR-1016	ug/kg																						
SW8082	AROCLOR-1221	ug/kg																						
SW8082	AROCLOR-1232	ug/kg																						
SW8082	AROCLOR-1242	ug/kg																						
SW8082	AROCLOR-1248	ug/kg																						
SW8082	AROCLOR-1254	ug/kg																						
SW8082	AROCLOR-1260	ug/kg																						
SW8082	AROCLOR-1268	ug/kg																						
SW8082	PCBS, N.O.S.	ug/kg																						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																						
SW8290	1,2,3,7,8-PECDD	ng/kg																						
SW8290	1,2,3,7,8-PECDF	ng/kg																						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																						
SW8290	2,3,4,7,8-PECDF	ng/kg																						
SW8290	2,3,7,8-TCDD	ng/kg																						
SW8290	2,3,7,8-TCDF	ng/kg																						
SW8290	OCDD	ng/kg																						
SW8290	OCDF	ng/kg																						
SW8290	TOTAL HPCDD	ng/kg																						
SW8290	TOTAL HPCDF	ng/kg																						
SW8290	TOTAL HXCDD	ng/kg																						
SW8290	TOTAL HXCDF	ng/kg																						
SW8290	TOTAL PECDD	ng/kg																						
SW8290	TOTAL PECDF	ng/kg																						
SW8290	TOTAL TCDD	ng/kg																						
SW8290	Total TCDF	PG/G																						

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057	
		Field Sample ID	OL-1317-11F		OL-1317-12F		OL-1320-04F		OL-1320-05F		OL-1320-06F		OL-1320-07F		OL-1320-08F	
		Sample Date	6/23/2010		6/23/2010		6/29/2010		6/29/2010		6/29/2010		6/29/2010		6/29/2010	
		SDG	JA49813		JA49813		JA50230R JA50230		JA50230		JA50230		JA50230		JA50230	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	WALL		WALL		SMB		SMB		SMB		SMB		SMB	
		Specimen Sex	M		F		F		U		U		F		U	
		Specimen Length	523 mm		589 mm		315 mm		243 mm		246 mm		237 mm		228 mm	
		Specimen Weight	1976 g		2650 g		464 g		219 g		238 g		202 g		156 g	
		Specimen Age	19+ yrs		9+ yrs		5+ yrs		3+ yrs		3+ yrs		3+ yrs		3+ yrs	
Method	Parameter Name	Units														
Percent Lipids	%LIPIDS DETERMINATION	%					0.29									
SW7471	MERCURY	mg/kg	3.1		1.7		0.54		0.44		0.31		0.29		0.36	
SW8081	4,4'-DDD	ug/kg					4	UJ								
SW8081	4,4'-DDE	ug/kg					4	U								
SW8081	4,4'-DDT	ug/kg					4	U								
SW8081	HEXACHLOROBENZENE	ug/kg					2	UJ								
SW8082	AROCLOR-1016	ug/kg					10	U								
SW8082	AROCLOR-1221	ug/kg					10	U								
SW8082	AROCLOR-1232	ug/kg					10	U								
SW8082	AROCLOR-1242	ug/kg					10	U								
SW8082	AROCLOR-1248	ug/kg					10	U								
SW8082	AROCLOR-1254	ug/kg					10	U								
SW8082	AROCLOR-1260	ug/kg					10	U								
SW8082	AROCLOR-1268	ug/kg					10	U								
SW8082	PCBS, N.O.S.	ug/kg					10	U								
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg														
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg														
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg														
SW8290	1,2,3,4,7,8-HXCDD	ng/kg														
SW8290	1,2,3,4,7,8-HXCDF	ng/kg														
SW8290	1,2,3,6,7,8-HXCDD	ng/kg														
SW8290	1,2,3,6,7,8-HXCDF	ng/kg														
SW8290	1,2,3,7,8,9-HXCDD	ng/kg														
SW8290	1,2,3,7,8,9-HXCDF	ng/kg														
SW8290	1,2,3,7,8-PECDD	ng/kg														
SW8290	1,2,3,7,8-PECDF	ng/kg														
SW8290	2,3,4,6,7,8-HXCDF	ng/kg														
SW8290	2,3,4,7,8-PECDF	ng/kg														
SW8290	2,3,7,8-TCDD	ng/kg														
SW8290	2,3,7,8-TCDF	ng/kg														
SW8290	OCDD	ng/kg														
SW8290	OCDF	ng/kg														
SW8290	TOTAL HPCDD	ng/kg														
SW8290	TOTAL HPCDF	ng/kg														
SW8290	TOTAL HXCDD	ng/kg														
SW8290	TOTAL HXCDF	ng/kg														
SW8290	TOTAL PECDD	ng/kg														
SW8290	TOTAL PECDF	ng/kg														
SW8290	TOTAL TCDD	ng/kg														
SW8290	Total TCDF	PG/G														

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057	
		Field Sample ID	OL-1320-09F		OL-1320-10F		OL-1320-11F		OL-1320-12F		OL-1320-13F		OL-1320-14F		OL-1320-15F		OL-1321-01F		OL-1322-06F		OL-1322-07F	
		Sample Date	6/29/2010		6/29/2010		6/29/2010		6/29/2010		6/29/2010		6/29/2010		6/29/2010		6/30/2010		7/1/2010		7/1/2010	
		SDG	JA50230		JA50230		JA50230		JA50230		JA50230		JA50230		JA50230		JA50346		JA50445		JA50445	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	SMB		SMB		SMB		SMB		SMB		SMB		SMB		SMB		SMB		SMB	
		Specimen Sex	U		U		F		U		U		F		U		F		M		F	
		Specimen Length	226 mm		298 mm		271 mm		245 mm		262 mm		243 mm		240 mm		431 mm		268 mm		262 mm	
		Specimen Weight	176 g		300 g		325 g		225 g		266 g		212 g		224 g		1442 g		320 g		325 g	
		Specimen Age	3+ yrs		5+ yrs		3+ yrs		3+ yrs		3+ yrs		3+ yrs		3+ yrs		11 yrs		3+ yrs		2+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%																				
SW7471	MERCURY	mg/kg	0.31		0.41		0.38		0.62		0.61		0.34		0.43		1.9		0.75	J	0.63	J
SW8081	4,4'-DDD	ug/kg																				
SW8081	4,4'-DDE	ug/kg																				
SW8081	4,4'-DDT	ug/kg																				
SW8081	HEXACHLOROBENZENE	ug/kg																				
SW8082	AROCLOR-1016	ug/kg																				
SW8082	AROCLOR-1221	ug/kg																				
SW8082	AROCLOR-1232	ug/kg																				
SW8082	AROCLOR-1242	ug/kg																				
SW8082	AROCLOR-1248	ug/kg																				
SW8082	AROCLOR-1254	ug/kg																				
SW8082	AROCLOR-1260	ug/kg																				
SW8082	AROCLOR-1268	ug/kg																				
SW8082	PCBS, N.O.S.	ug/kg																				
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50058		OL-STA-50058	
		Field Sample ID	OL-1322-10F		OL-1322-11F		OL-1322-12F		OL-1346-06		OL-1346-07		OL-1346-08		OL-1346-09		OL-1346-10		OL-1307-14F		OL-1307-15F	
		Sample Date	7/1/2010		7/1/2010		7/1/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		6/15/2010		6/15/2010	
		SDG	JA50445 JA50445R G383-812		JA50445 JA50445R		JA50445 JA50445R G383-812		JA54606		JA54606		JA54606		JA54606		JA54606		JA49134		JA49134	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	SMB		SMB		SMB		BK		BK		BK		BK		BK		WALL		WALL	
		Specimen Sex	U		M		F												U		U	
		Specimen Length	240 mm		259 mm		205 mm		54.93 mm		56.93 mm		56.87 mm		52.53 mm		74.53 mm		537 mm		542 mm	
		Specimen Weight	199 g		249 g		115 g		1.55 g		1.71 g		1.76 g		1.39 g		3.93 g		2117 g		2290 g	
		Specimen Age	3+ yrs		4+ yrs		3+ yrs												14+ yrs		11+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%	0.27	J	0.21	J	0.33	J									0.68					
SW7471	MERCURY	mg/kg	0.27	J	0.52	J	0.25	J	0.14		0.13		0.11		0.13		0.19		1.6		1.4	
SW8081	4,4'-DDD	ug/kg	3.8	UJ	3.8	UJ	3.9	UJ									3.9	U				
SW8081	4,4'-DDE	ug/kg	3.8	U	3.8	U	3.9	U									3.9	U				
SW8081	4,4'-DDT	ug/kg	3.8	U	3.8	U	3.9	U									3.9	U				
SW8081	HEXACHLOROBENZENE	ug/kg	1.9	UJ	1.9	UJ	2	UJ									2	U				
SW8082	AROCLOR-1016	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1221	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1232	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1242	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1248	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1254	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1260	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	AROCLOR-1268	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8082	PCBS, N.O.S.	ug/kg	9.6	U	9.6	U	9.6	U									9.8	U				
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.302	U			0.317	U														
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	0.226	U			0.233	U														
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.312	U			0.321	U														
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	0.98	U			0.789	U														
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	4.24	U			4.59	U														
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	0.779	U			0.627	U														
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	3.39	U			3.67	U														
SW8290	1,2,3,7,8,9-HXCDD	ng/kg	0.936	U			0.754	U														
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	4.85	U			5.24	U														
SW8290	1,2,3,7,8-PECDD	ng/kg	1.39	U			1.4	U														
SW8290	1,2,3,7,8-PECDF	ng/kg	0.278	J			0.283	U														
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	3.91	U			4.23	U														
SW8290	2,3,4,7,8-PECDF	ng/kg	0.262	U			0.281	U														
SW8290	2,3,7,8-TCDD	ng/kg	0.222	U			0.19	U														
SW8290	2,3,7,8-TCDF	ng/kg	0.639	J			0.506	J														
SW8290	OCDD	ng/kg	0.442	U			0.411	U														
SW8290	OCDF	ng/kg	0.524	U			0.409	U														
SW8290	TOTAL HPCDD	ng/kg	2.06				1.85															
SW8290	TOTAL HPCDF	ng/kg	0.312	U			0.321	U														
SW8290	TOTAL HXCDD	ng/kg	0.98	U			0.789	U														
SW8290	TOTAL HXCDF	ng/kg	4.85	U			5.24	U														
SW8290	TOTAL PECDD	ng/kg	1.88	J			1.4	U														
SW8290	TOTAL PECDF	ng/kg	0.536	J			0.491	J														
SW8290	TOTAL TCDD	ng/kg	1.65				0.19	U														
SW8290	Total TCDF	PG/G	2.76				0.518															

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058	
		Field Sample ID	OL-1307-16F		OL-1307-17F		OL-1307-18F		OL-1307-19F		OL-1307-20F		OL-1312-01F		OL-1312-02F		OL-1312-03F		OL-1312-04F		OL-1312-05F	
		Sample Date	6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010	
		SDG	JA49134		JA49134		JA49134		JA49134 JA49134R G383-808		JA49134 JA49134R		JA49264R G383-809 JA49264		JA49264		JA49264		JA49264R JA49264		JA49264	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	WALL		WALL		WALL		WALL		WALL		PKSD		PKSD		PKSD		PKSD		PKSD	
		Specimen Sex	U		U		M		M		U		F		U		U		U		F	
		Specimen Length	555 mm		545 mm		496 mm		475 mm		510 mm		201 mm		175 mm		192 mm		161 mm		174 mm	
		Specimen Weight	2129 g		2005 g		1370 g		1524 g		1674 g		202 g		150 g		184 g		117 g		150 g	
		Specimen Age	8+ yrs		13+ yrs		22+ yrs		9+ yrs		12+ yrs		5+ yrs		3+ yrs		5+ yrs		3+ yrs		3+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%							1.7		2.7		0.17						0.29			
SW7471	MERCURY	mg/kg	0.79		1.6		1.5		1.1		1.4		0.32		0.08		0.052		0.017	J	0.018	J
SW8081	4,4'-DDD	ug/kg							3.8	U	4	U	3.8	U					4	U		
SW8081	4,4'-DDE	ug/kg							3.8	U	4	U	3.8	U					4	U		
SW8081	4,4'-DDT	ug/kg							3.8	U	4	U	3.8	U					4	U		
SW8081	HEXACHLOROBENZENE	ug/kg							4.3	J	2	UJ	1.9	UJ					2	UJ		
SW8082	AROCLOR-1016	ug/kg							9.4	U	10	U	9.6	U					10	U		
SW8082	AROCLOR-1221	ug/kg							9.4	U	10	U	9.6	U					10	U		
SW8082	AROCLOR-1232	ug/kg							9.4	U	10	U	9.6	U					10	U		
SW8082	AROCLOR-1242	ug/kg							9.4	U	10	U	9.6	U					10	U		
SW8082	AROCLOR-1248	ug/kg							205		88.6		9.6	U					10	U		
SW8082	AROCLOR-1254	ug/kg							110		50		9.6	U					10	U		
SW8082	AROCLOR-1260	ug/kg							40.3		21.3		9.6	U					10	U		
SW8082	AROCLOR-1268	ug/kg							9.4	U	10	U	9.6	U					10	U		
SW8082	PCBS, N.O.S.	ug/kg							355		160		9.6	U					10	U		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg							0.451	U			0.33	U								
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg							1.28	J			0.204	U								
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg							0.539	U			0.281	U								
SW8290	1,2,3,4,7,8-HXCDD	ng/kg							1.57	U			0.663	U								
SW8290	1,2,3,4,7,8-HXCDF	ng/kg							4.09	U			3.34	U								
SW8290	1,2,3,6,7,8-HXCDD	ng/kg							1.25	U			0.527	U								
SW8290	1,2,3,6,7,8-HXCDF	ng/kg							3.27	U			2.67	U								
SW8290	1,2,3,7,8,9-HXCDD	ng/kg							1.5	U												
SW8290	1,2,3,7,8,9-HXCDF	ng/kg							4.67	U			3.81	U								
SW8290	1,2,3,7,8-PECDD	ng/kg							2.1	U			1.01	U								
SW8290	1,2,3,7,8-PECDF	ng/kg							1.48	J			0.232	U								
SW8290	2,3,4,6,7,8-HXCDF	ng/kg							3.77	U			3.08	U								
SW8290	2,3,4,7,8-PECDF	ng/kg							2.2	J			0.231	U								
SW8290	2,3,7,8-TCDD	ng/kg							0.413	U												
SW8290	2,3,7,8-TCDF	ng/kg							3.6				0.502	J								
SW8290	OCDD	ng/kg							0.599	U			0.588	U								
SW8290	OCDF	ng/kg							0.721	U			0.616	U								
SW8290	TOTAL HPCDD	ng/kg							13.8				0.33	U								
SW8290	TOTAL HPCDF	ng/kg							1.28				0.281	U								
SW8290	TOTAL HXCDD	ng/kg							4.89				0.663	U								
SW8290	TOTAL HXCDF	ng/kg							4.67	U			3.81	U								
SW8290	TOTAL PECDD	ng/kg							8.1				1.01	U								
SW8290	TOTAL PECDF	ng/kg							15.3	J												
SW8290	TOTAL TCDD	ng/kg							12.7				0.171	U								
SW8290	Total TCDF	PG/G							30.1	J												

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058	
		Field Sample ID	OL-1312-06F		OL-1317-01F		OL-1317-02F		OL-1317-03F		OL-1317-04F		OL-1317-05F		OL-1319-03F		OL-1319-04F		OL-1319-05F		OL-1319-06F	
		Sample Date	6/16/2010		6/23/2010		6/23/2010		6/23/2010		6/23/2010		6/23/2010		6/28/2010		6/28/2010		6/28/2010		6/28/2010	
		SDG	JA49264		JA49813		JA49813		JA49813		JA49813		JA49813		JA50145		JA50145		JA50145		JA50145	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	PKSD		WALL		WALL		SMB		SMB		SMB		SMB		SMB		BB		BB	
		Specimen Sex	U		M		M		F		U		U		U		F		F		U	
		Specimen Length	159 mm		586 mm		532 mm		450 mm		426 mm		456 mm		221 mm		433 mm		347 mm		338 mm	
		Specimen Weight	112 g		2870 g		2181 g		1610 g		1268 g		1651 g		148 g		1262 g		505 g		509 g	
		Specimen Age	3+ yrs		19 yrs		11+ yrs		9 yrs		9 yrs		10 yrs		3+ yrs		9 yrs		4+ yrs		5+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%																				
SW7471	MERCURY	mg/kg	0.012	J	2.7		1.6		1.8		1.4		2		0.45		1.4		0.34		0.29	
SW8081	4,4'-DDD	ug/kg																				
SW8081	4,4'-DDE	ug/kg																				
SW8081	4,4'-DDT	ug/kg																				
SW8081	HEXACHLOROBENZENE	ug/kg																				
SW8082	AROCLOR-1016	ug/kg																				
SW8082	AROCLOR-1221	ug/kg																				
SW8082	AROCLOR-1232	ug/kg																				
SW8082	AROCLOR-1242	ug/kg																				
SW8082	AROCLOR-1248	ug/kg																				
SW8082	AROCLOR-1254	ug/kg																				
SW8082	AROCLOR-1260	ug/kg																				
SW8082	AROCLOR-1268	ug/kg																				
SW8082	PCBS, N.O.S.	ug/kg																				
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058	
		Field Sample ID	OL-1319-07F		OL-1319-08F		OL-1319-09F		OL-1319-10F		OL-1326-01F		OL-1346-11		OL-1346-12		OL-1346-13		OL-1346-14		OL-1346-15	
		Sample Date	6/28/2010		6/28/2010		6/28/2010		6/28/2010		7/8/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010	
		SDG	JA50145		JA50145		JA50145		JA50145		JA50954		JA54606		JA54606		JA54606		JA54606		JA54606	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		BB		BB		BB		SMB		BK		BK		BK		BK		BK	
		Specimen Sex	U		M		F		U		U											
		Specimen Length	335 mm		338 mm		315 mm		284 mm		425 mm		55.67 mm		57.27 mm		90.9 mm		92.4 mm		91 mm	
		Specimen Weight	484 g		533 g		464 g		300 g		1021 g		1.55 g		1.77 g		7.54 g		8.16 g		7.78 g	
		Specimen Age	6 yrs		5+ yrs		4+ yrs		3+ yrs		9+ yrs											
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%															0.78					
SW7471	MERCURY	mg/kg	0.27		0.29		0.32		0.17		1.5		0.19		0.24		0.28		0.27		0.25	
SW8081	4,4'-DDD	ug/kg															3.9	U				
SW8081	4,4'-DDE	ug/kg															3.9	U				
SW8081	4,4'-DDT	ug/kg															3.9	U				
SW8081	HEXACHLOROBENZENE	ug/kg															2	U				
SW8082	AROCLOR-1016	ug/kg															9.8	U				
SW8082	AROCLOR-1221	ug/kg															9.8	U				
SW8082	AROCLOR-1232	ug/kg															9.8	U				
SW8082	AROCLOR-1242	ug/kg															9.8	U				
SW8082	AROCLOR-1248	ug/kg															9.8	U				
SW8082	AROCLOR-1254	ug/kg															9.8	U				
SW8082	AROCLOR-1260	ug/kg															9.8	U				
SW8082	AROCLOR-1268	ug/kg															9.8	U				
SW8082	PCBS, N.O.S.	ug/kg															9.8	U				
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059	
		Field Sample ID	OL-1312-12F		OL-1312-13F		OL-1312-14F		OL-1312-15F		OL-1312-16F		OL-1312-17F		OL-1314-16F		OL-1314-17F		OL-1314-18F		OL-1314-19F	
		Sample Date	6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/16/2010		6/18/2010		6/18/2010		6/18/2010		6/18/2010	
		SDG	JA49264		JA49264		JA49264		JA49264		JA49264		JA49264		JA49553		JA49553		JA49553		JA49553	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		BB		BB		BB		BB		BB		PKSD		PKSD		PKSD		PKSD	
		Specimen Sex	U		U		F		F		U		F		U		U		U		U	
		Specimen Length	326 mm		306 mm		306 mm		316 mm		324 mm		313 mm		133 mm		163 mm		173 mm		134 mm	
		Specimen Weight	504 g		402 g		354 g		475 g		440 g		409 g		69 g		116 g		145 g		66 g	
		Specimen Age	4+ yrs		4+ yrs		5+ yrs		4+ yrs		5+ yrs		4+ yrs		2+ yrs		3+ yrs		4+ yrs		2+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%																				
SW7471	MERCURY	mg/kg	0.11		0.33		0.21		0.082		0.2		0.32		0.073		0.18		0.21		0.12	
SW8081	4,4'-DDD	ug/kg																				
SW8081	4,4'-DDE	ug/kg																				
SW8081	4,4'-DDT	ug/kg																				
SW8081	HEXACHLOROBENZENE	ug/kg																				
SW8082	AROCLOR-1016	ug/kg																				
SW8082	AROCLOR-1221	ug/kg																				
SW8082	AROCLOR-1232	ug/kg																				
SW8082	AROCLOR-1242	ug/kg																				
SW8082	AROCLOR-1248	ug/kg																				
SW8082	AROCLOR-1254	ug/kg																				
SW8082	AROCLOR-1260	ug/kg																				
SW8082	AROCLOR-1268	ug/kg																				
SW8082	PCBS, N.O.S.	ug/kg																				
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059	
		Field Sample ID	OL-1316-05F		OL-1316-06F		OL-1316-07F		OL-1316-08F		OL-1316-09F		OL-1316-14F		OL-1316-15F		OL-1316-16F		OL-1316-17F		OL-1319-01F	
		Sample Date	6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/22/2010		6/28/2010	
		SDG	JA49705		JA49705		JA49705		JA49705R JA49705		JA49705		JA49705		JA49705R JA49705		JA49705		JA49705R JA49705		JA50145	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	WALL		WALL		WALL		WALL		SMB		SMB		WALL		SMB		WALL		PKSD	
		Specimen Sex	F		F		F		M		F		U		F		U		F		U	
		Specimen Length	557 mm		560 mm		573 mm		518 mm		445 mm		437 mm		497 mm		395 mm		503 mm		156 mm	
		Specimen Weight	2123 g		2603 g		2562 g		1764 g		1071 g		1413 g		1442 g		970 g		1935 g		106 g	
		Specimen Age	19 yrs		5+ yrs		15+ yrs		19 yrs		8 yrs		9 yrs		8+ yrs		7 yrs		6+ yrs		3+ yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%							1.2						0.44				3.5			
SW7471	MERCURY	mg/kg	3.5		1.7		1.8		3.7		0.74		1.4		0.57		0.95		1.5		0.2	
SW8081	4,4'-DDD	ug/kg							4	UJ					3.8	UJ			3.8	UJ		
SW8081	4,4'-DDE	ug/kg							21.2						10.2				19.8			
SW8081	4,4'-DDT	ug/kg							4	U					3.8	U			3.8	U		
SW8081	HEXACHLOROBENZENE	ug/kg							5	J					2.2	J			1.9	UJ		
SW8082	AROCLOR-1016	ug/kg							10	U					9.6	U			9.4	U		
SW8082	AROCLOR-1221	ug/kg							10	U					9.6	U			9.4	U		
SW8082	AROCLOR-1232	ug/kg							10	U					9.6	U			9.4	U		
SW8082	AROCLOR-1242	ug/kg							10	U					9.6	U			9.4	U		
SW8082	AROCLOR-1248	ug/kg							234						9.6	U			9.4	U		
SW8082	AROCLOR-1254	ug/kg							290						193				9.4	U		
SW8082	AROCLOR-1260	ug/kg							195	J					9.6	U			9.4	U		
SW8082	AROCLOR-1268	ug/kg							10	U					9.6	U			9.4	U		
SW8082	PCBS, N.O.S.	ug/kg							719	J					193				9.4	U		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225	
		Field Sample ID	OL-1319-02F		OL-1347-01		OL-1347-02		OL-1347-03		OL-1347-04		OL-1347-05		OL-1305-15F		OL-1305-16F		OL-1305-17F		OL-1305-18F	
		Sample Date	6/28/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010	
		SDG	JA50145		JA54812		JA54812		JA54812		JA54812		JA54812		JA49132		JA49132		JA49132		JA49132 JA49132R	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	PKSD		BK		BK		BK		BK		BK		BB		BB		BB		BB	
		Specimen Sex	F												F		F		F		U	
		Specimen Length	145 mm		62.9 mm		79.3 mm		68.6 mm		56.13 mm		60.93 mm		319 mm		327 mm		330 mm		350 mm	
		Specimen Weight	74 g		2.41 g		4.88 g		3.47 g		1.89 g		2.27 g		383 g		417 g		482 g		571 g	
		Specimen Age	3+ yrs												4+ yrs		4+ yrs		6+ yrs		6 yrs	
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%					1.1														0.023	J
SW7471	MERCURY	mg/kg	0.25		0.19		0.23		0.14		0.11		0.13		0.12	J	0.2	J	0.19	J	0.29	J
SW8081	4,4'-DDD	ug/kg					3.8	U													3.9	U
SW8081	4,4'-DDE	ug/kg					3.8	U													3.9	U
SW8081	4,4'-DDT	ug/kg					3.8	U													3.9	U
SW8081	HEXACHLOROBENZENE	ug/kg					1.9	U													2	UJ
SW8082	AROCLOR-1016	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1221	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1232	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1242	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1248	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1254	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1260	ug/kg					9.4	U													9.8	U
SW8082	AROCLOR-1268	ug/kg					9.4	U													9.8	U
SW8082	PCBS, N.O.S.	ug/kg					9.4	U													9.8	U
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg																				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg																				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg																				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg																				
SW8290	1,2,3,7,8-PECDD	ng/kg																				
SW8290	1,2,3,7,8-PECDF	ng/kg																				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg																				
SW8290	2,3,4,7,8-PECDF	ng/kg																				
SW8290	2,3,7,8-TCDD	ng/kg																				
SW8290	2,3,7,8-TCDF	ng/kg																				
SW8290	OCDD	ng/kg																				
SW8290	OCDF	ng/kg																				
SW8290	TOTAL HPCDD	ng/kg																				
SW8290	TOTAL HPCDF	ng/kg																				
SW8290	TOTAL HXCDD	ng/kg																				
SW8290	TOTAL HXCDF	ng/kg																				
SW8290	TOTAL PECDD	ng/kg																				
SW8290	TOTAL PECDF	ng/kg																				
SW8290	TOTAL TCDD	ng/kg																				
SW8290	Total TCDF	PG/G																				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225	
		Field Sample ID	OL-1305-19F		OL-1306-07F		OL-1306-08F		OL-1306-09F		OL-1306-10F		OL-1306-11F		OL-1306-12F		OL-1306-13F		OL-1306-14F		OL-1347-06	
		Sample Date	6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		8/25/2010	
		SDG	G383-806 JA49132 JA49132R		JA49133		JA49133		G383-807 JA49133 JA49133R		JA49133		JA49133 JA49133R		JA49133		JA49133		JA49133		JA54812	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD		BK	
		Specimen Sex	F		U		U		F		U		F		U		F		U			
		Specimen Length	345 mm		149 mm		193 mm		158 mm		142 mm		204 mm		166 mm		180 mm		160 mm		77.1 mm	
		Specimen Weight	481 g		91 g		202 g		107 g		89 g		220 g		125 g		173 g		102 g		5.23 g	
		Specimen Age	8 yrs		3+ yrs		7 yrs		4+ yrs		3+ yrs		5+ yrs		3+ yrs		5+ yrs		3+ yrs			
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%	0.095	U					0.093	J			0.097	U							0.92	
SW7471	MERCURY	mg/kg	0.48	J	0.17	J	0.47	J	0.17	J	0.09	J	0.66	J	0.18	J	0.18	J	0.16	J	0.19	
SW8081	4,4'-DDD	ug/kg	3.9	U					3.9	U			3.8	U							3.9	U
SW8081	4,4'-DDE	ug/kg	3.9	U					3.9	U			3.8	U							3.9	U
SW8081	4,4'-DDT	ug/kg	3.9	U					3.9	U			3.8	U							3.9	U
SW8081	HEXACHLOROBENZENE	ug/kg	2	UJ					2	UJ			1.9	UJ							2	U
SW8082	AROCLOR-1016	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1221	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1232	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1242	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1248	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1254	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1260	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	AROCLOR-1268	ug/kg	98	U					98	U			94	U							9.8	U
SW8082	PCBS, N.O.S.	ug/kg	98	U					98	U			94	U							9.8	U
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.606	U					0.509	U												
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	1.07	J					0.26	U												
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.541	U					0.359	U												
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	0.785	U					0.494	U												
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	0.81	U					0.605	U												
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	0.625	U					0.393	U												
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	0.648	U					0.483	U												
SW8290	1,2,3,7,8,9-HXCDD	ng/kg	0.75	U					0.472	U												
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	0.926	U					0.691	U												
SW8290	1,2,3,7,8-PECDD	ng/kg	0.811	U					0.624	U												
SW8290	1,2,3,7,8-PECDF	ng/kg	0.441	J					0.319	U												
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	0.748	U					0.558	U												
SW8290	2,3,4,7,8-PECDF	ng/kg	0.603	J					0.317	U												
SW8290	2,3,7,8-TCDD	ng/kg	0.345	U					0.435	U												
SW8290	2,3,7,8-TCDF	ng/kg	0.808	J					0.79	J												
SW8290	OCDD	ng/kg	0.844	U					0.693	U												
SW8290	OCDF	ng/kg	0.655	U					0.548	U												
SW8290	TOTAL HPCDD	ng/kg	0.883	U					0.742	U												
SW8290	TOTAL HPCDF	ng/kg	1.07						0.359	U												
SW8290	TOTAL HXCDD	ng/kg	1.93						0.494	U												
SW8290	TOTAL HXCDF	ng/kg	0.926	U					0.691	U												
SW8290	TOTAL PECDD	ng/kg	1.06	U					0.624	U												
SW8290	TOTAL PECDF	ng/kg	4.58						1.12	U												
SW8290	TOTAL TCDD	ng/kg	0.417	U					0.435	U												
SW8290	Total TCDF	PG/G	3.34						0.399	U												

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124			
		Field Sample ID	OL-1347-07		OL-1347-08		OL-1347-09		OL-1347-10		OL-1306-15F		OL-1306-16F		OL-1306-17F		OL-1306-18F		OL-1306-19F		OL-1306-20F			
		Sample Date	8/25/2010		8/25/2010		8/25/2010		8/25/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010			
		SDG	JA54812		JA54812		JA54812		JA54812		G383-807 JA49133 JA49133R		JA49133 JA49133R		JA49133		JA49133		JA49133		JA49133			
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE			
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample			
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish			
		Taxon	BK		BK		BK		BK		PKSD		PKSD		PKSD		PKSD		PKSD		PKSD			
		Specimen Sex									U		U		F		U		U		F			
		Specimen Length	62.5 mm		74.3 mm		76.3 mm		71.6 mm		165 mm		154 mm		145 mm		161 mm		162 mm		135 mm			
		Specimen Weight	2.82 g		4.75 g		4.98 g		4.14 g		121 g		117 g		79 g		117 g		121 g		72 g			
		Specimen Age									3+ yrs		3+ yrs		3+ yrs		3+ yrs		3+ yrs		2+ yrs			
Method	Parameter Name	Units																						
Percent Lipids	%LIPIDS DETERMINATION	%					1				0.023	J	1.5											
SW7471	MERCURY	mg/kg	0.082		0.13		0.14		0.13		0.19	J	0.19	J	0.087	J	0.28	J	0.23	J	0.11	J		
SW8081	4,4'-DDD	ug/kg					4	U			3.9	U	4	U										
SW8081	4,4'-DDE	ug/kg					4	U			3.9	U	4	U										
SW8081	4,4'-DDT	ug/kg					4	U			3.9	U	4	U										
SW8081	HEXACHLOROBENZENE	ug/kg					3.4	JN			2	UJ	4.7	J										
SW8082	AROCLOR-1016	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1221	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1232	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1242	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1248	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1254	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1260	ug/kg					10	U			98	U	100	U										
SW8082	AROCLOR-1268	ug/kg					10	U			98	U	100	U										
SW8082	PCBS, N.O.S.	ug/kg					10	U			98	U	100	U										
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg									0.505	U												
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg									0.298	U												
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg									0.41	U												
SW8290	1,2,3,4,7,8-HXCDD	ng/kg									0.444	U												
SW8290	1,2,3,4,7,8-HXCDF	ng/kg									0.472	U												
SW8290	1,2,3,6,7,8-HXCDD	ng/kg									0.353	U												
SW8290	1,2,3,6,7,8-HXCDF	ng/kg									0.377	U												
SW8290	1,2,3,7,8,9-HXCDD	ng/kg									0.424	U												
SW8290	1,2,3,7,8,9-HXCDF	ng/kg									0.54	U												
SW8290	1,2,3,7,8-PECDD	ng/kg									0.506	U												
SW8290	1,2,3,7,8-PECDF	ng/kg									0.352	U												
SW8290	2,3,4,6,7,8-HXCDF	ng/kg									0.436	U												
SW8290	2,3,4,7,8-PECDF	ng/kg									0.35	U												
SW8290	2,3,7,8-TCDD	ng/kg									0.343	U												
SW8290	2,3,7,8-TCDF	ng/kg									1.76													
SW8290	OCDD	ng/kg									0.745	U												
SW8290	OCDF	ng/kg									0.565	U												
SW8290	TOTAL HPCDD	ng/kg									0.736	U												
SW8290	TOTAL HPCDF	ng/kg									0.41	U												
SW8290	TOTAL HXCDD	ng/kg									0.444	U												
SW8290	TOTAL HXCDF	ng/kg									0.54	U												
SW8290	TOTAL PECDD	ng/kg									0.664	U												
SW8290	TOTAL PECDF	ng/kg									0.935													
SW8290	TOTAL TCDD	ng/kg									0.343	U												
SW8290	Total TCDF	PG/G									1.9													

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124	
		Field Sample ID	OL-1307-01F		OL-1307-02F		OL-1307-03F		OL-1307-04F		OL-1307-05F		OL-1307-06F		OL-1307-13F		OL-1312-18F		OL-1347-11		OL-1347-12	
		Sample Date	6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/15/2010		6/16/2010		8/25/2010		8/25/2010	
		SDG	JA49134 JA49134R G383-808		JA49134 JA49134R G383-808		JA49134		JA49134 JA49134R		JA49134 JA49134R		JA49134		JA49134 JA49134R G383-808		JA49264R G383-809 JA49264		JA54812		JA54812	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BB		BB		BB		BB		BB		BB		WALL		WALL		BNM		BK	
		Specimen Sex	U		U		F		U		U		F		F		U					
		Specimen Length	351 mm		317 mm		301 mm		322 mm		315 mm		307 mm		527 mm		595 mm		76.2 mm		87.5 mm	
		Specimen Weight	587 g		472 g		402 g		423 g		414 g		404 g		1771 g		2769 g		4.66 g		7.13 g	
		Specimen Age	5+ yrs		5 yrs		4+ yrs		4+ yrs		4+ yrs		4+ yrs		5+ yrs		11+ yrs					
Method	Parameter Name	Units																				
Percent Lipids	%LIPIDS DETERMINATION	%	0.22		0.86				0.14		0.18				1.2		3.5		3.9			
SW7471	MERCURY	mg/kg	0.33		0.17		0.22		0.21		0.38		0.25		0.5		3.4		0.3		0.47	
SW8081	4,4'-DDD	ug/kg	4	U	3.8	U			4	U	3.8	U			3.9	U	4	U	3.9	U		
SW8081	4,4'-DDE	ug/kg	4	U	3.8	U			4	U	3.8	U			3.9	U	4	U	4.4			
SW8081	4,4'-DDT	ug/kg	4	U	3.8	U			4	U	3.8	U			3.9	U	4	U	3.9	U		
SW8081	HEXACHLOROBENZENE	ug/kg	2	UJ	2.6	J			2	UJ	2.4	J			2	UJ	2	UJ	47.7	J		
SW8082	AROCLOR-1016	ug/kg	10	U	10	U			10	U	9.4	U			9.8	U	9.8	U	9.8	U		
SW8082	AROCLOR-1221	ug/kg	10	U	10	U			10	U	9.4	U			9.8	U	9.8	U	9.8	U		
SW8082	AROCLOR-1232	ug/kg	10	U	10	U			10	U	9.4	U			9.8	U	9.8	U	9.8	U		
SW8082	AROCLOR-1242	ug/kg	10	U	10	U			10	U	9.4	U			9.8	U	9.8	U	9.8	U		
SW8082	AROCLOR-1248	ug/kg	25.9		31.5				10	U	29.6				9.8	U	226		9.8	U		
SW8082	AROCLOR-1254	ug/kg	15.8		19.1				10	U	17.1				22.8		116		9.8	U		
SW8082	AROCLOR-1260	ug/kg	15.3	J	14.1				10	U	21.1	J			9.8	U	9.8	U	9.8	U		
SW8082	AROCLOR-1268	ug/kg	10	U	10	U			10	U	9.4	U			9.8	U	9.8	U	9.8	U		
SW8082	PCBS, N.O.S.	ug/kg	57		64.7				10	U	67.8				22.8		342		9.8	U		
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg	0.589	U	0.735	U									0.423	U	0.65	U				
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg	0.847	J	0.908	J									0.124	U	3.23	J				
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg	0.515	U	0.714	U									0.17	U	0.901	U				
SW8290	1,2,3,4,7,8-HXCDD	ng/kg	1.46	U	1.42	U									0.547	U	2.45	U				
SW8290	1,2,3,4,7,8-HXCDF	ng/kg	1.48	U	1.92	J									0.514	J	4.4	U				
SW8290	1,2,3,6,7,8-HXCDD	ng/kg	1.16	U	1.13	U									0.435	U	1.95	U				
SW8290	1,2,3,6,7,8-HXCDF	ng/kg	1.19	U	1.02	U									0.469	J	3.51	U				
SW8290	1,2,3,7,8,9-HXCDD	ng/kg			1.36	U									0.522	U	2.34	U				
SW8290	1,2,3,7,8,9-HXCDF	ng/kg	1.7	U	1.46	U									0.677	U	5.03	U				
SW8290	1,2,3,7,8-PECDD	ng/kg	2.41	J	1.1	U									0.576	U	3.78	U				
SW8290	1,2,3,7,8-PECDF	ng/kg	2.16	J	2.67	J									0.831	J	3.18	J				
SW8290	2,3,4,6,7,8-HXCDF	ng/kg	1.37	U	1.18	U									0.546	U	4.06	U				
SW8290	2,3,4,7,8-PECDF	ng/kg	12		4.83										0.288	U	3.58	J				
SW8290	2,3,7,8-TCDD	ng/kg			0.355	U									0.337	U	1.32					
SW8290	2,3,7,8-TCDF	ng/kg	4.29		2.65										1.28		7.33					
SW8290	OCDD	ng/kg	0.734	U	0.966	U									0.432	U	0.594	U				
SW8290	OCDF	ng/kg	0.692	U	0.705	U									0.852	J	0.696	U				
SW8290	TOTAL HPCDD	ng/kg	7.41		17.3										4.38		24.2					
SW8290	TOTAL HPCDF	ng/kg	0.847		0.908										0.171	U	3.23					
SW8290	TOTAL HXCDD	ng/kg	3.12		8.26										2.41		21.6					
SW8290	TOTAL HXCDF	ng/kg	1.7	U	1.46	U									0.514		5.03	U				
SW8290	TOTAL PECDD	ng/kg	4.95		5										1.67		21.5					
SW8290	TOTAL PECDF	ng/kg	18.5	J	6.96	J									3.36		36.1	J				
SW8290	TOTAL TCDD	ng/kg	4.07		2.79										0.408	U	5.01					
SW8290	Total TCDF	PG/G	11.9	J	7.8	J									7.81		81.1	J				

Validated Laboratory Data for
Fish Samples

		Location	OL-STA-70124		OL-STA-70124		OL-STA-70124	
		Field Sample ID	OL-1347-13		OL-1347-14		OL-1347-15	
		Sample Date	8/25/2010		8/25/2010		8/25/2010	
		SDG	JA54812		JA54812		JA54812	
		Matrix	TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish	
		Taxon	BK		BK		BK	
		Specimen Sex						
		Specimen Length	64.7 mm		71.2 mm		80.4 mm	
		Specimen Weight	2.71 g		3.62 g		5.2 g	
		Specimen Age						
Method	Parameter Name	Units						
Percent Lipids	%LIPIDS DETERMINATION	%						
SW7471	MERCURY	mg/kg	0.36		0.44		0.35	
SW8081	4,4'-DDD	ug/kg						
SW8081	4,4'-DDE	ug/kg						
SW8081	4,4'-DDT	ug/kg						
SW8081	HEXACHLOROBENZENE	ug/kg						
SW8082	AROCLOR-1016	ug/kg						
SW8082	AROCLOR-1221	ug/kg						
SW8082	AROCLOR-1232	ug/kg						
SW8082	AROCLOR-1242	ug/kg						
SW8082	AROCLOR-1248	ug/kg						
SW8082	AROCLOR-1254	ug/kg						
SW8082	AROCLOR-1260	ug/kg						
SW8082	AROCLOR-1268	ug/kg						
SW8082	PCBS, N.O.S.	ug/kg						
SW8290	1,2,3,4,6,7,8-HPCDD	ng/kg						
SW8290	1,2,3,4,6,7,8-HPCDF	ng/kg						
SW8290	1,2,3,4,7,8,9-HPCDF	ng/kg						
SW8290	1,2,3,4,7,8-HXCDD	ng/kg						
SW8290	1,2,3,4,7,8-HXCDF	ng/kg						
SW8290	1,2,3,6,7,8-HXCDD	ng/kg						
SW8290	1,2,3,6,7,8-HXCDF	ng/kg						
SW8290	1,2,3,7,8,9-HXCDD	ng/kg						
SW8290	1,2,3,7,8,9-HXCDF	ng/kg						
SW8290	1,2,3,7,8-PECDD	ng/kg						
SW8290	1,2,3,7,8-PECDF	ng/kg						
SW8290	2,3,4,6,7,8-HXCDF	ng/kg						
SW8290	2,3,4,7,8-PECDF	ng/kg						
SW8290	2,3,7,8-TCDD	ng/kg						
SW8290	2,3,7,8-TCDF	ng/kg						
SW8290	OCDD	ng/kg						
SW8290	OCDF	ng/kg						
SW8290	TOTAL HPCDD	ng/kg						
SW8290	TOTAL HPCDF	ng/kg						
SW8290	TOTAL HXCDD	ng/kg						
SW8290	TOTAL HXCDF	ng/kg						
SW8290	TOTAL PECDD	ng/kg						
SW8290	TOTAL PECDF	ng/kg						
SW8290	TOTAL TCDD	ng/kg						
SW8290	Total TCDF	PG/G						

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR INVERTEBRATE SAMPLES

Validated Laboratory Data for
Invertebrate Samples

		Location	OL-STA-10161		OL-STA-10161		OL-STA-10161		OL-STA-10161		OL-STA-10161		OL-STA-20160		OL-STA-20160	
		Field Sample ID	OL-1329-01		OL-1329-02		OL-1329-03		OL-1329-04		OL-1329-05		OL-1331-03		OL-1331-04	
		Sample Date	8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/2/2010		8/3/2010		8/3/2010	
		SDG	1032022		1032022		1032022		1032022		1032022		1032019		1032019	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate	
		Specimen Length					19.82 mm		NaN mm		NaN mm		16.15 mm			
		Specimen Sample Type	WH		WH		WH		WH		WH		WH		WH	
		Specimen Weight	2.1 g		0.1 g		9.8 g		3.8 g		5.5 g		7.1 g		0.7 g	
		Taxon	AM		CH		ZM		CF		CF		ZM		CH	
Method	Parameter Name	Units														
E160.3	SOLIDS, PERCENT	%	11.42				5.3		20.2		22.48		3.57		1.39	
E1630	METHYL MERCURY	ng/g	174		35.6		75.5		118		440	J	3.4		1.2	J
E1631	MERCURY	mg/kg	0.256		0.127		0.118		0.196	J	0.216	J	0.0106		0.00418	

Validated Laboratory Data for
Invertebrate Samples

		Location	OL-STA-20160		OL-STA-30095		OL-STA-30095		OL-STA-30095		OL-STA-40124		OL-STA-40124		OL-STA-40124	
		Field Sample ID	OL-1331-05		OL-1333-04		OL-1333-05		OL-1333-06		OL-1333-01		OL-1333-02		OL-1333-03	
		Sample Date	8/3/2010		8/4/2010		8/4/2010		8/4/2010		8/4/2010		8/4/2010		8/4/2010	
		SDG	1032019		1032032		1032032		1032032		1032032		1032032		1032032	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate	
		Specimen Length							19.06 mm		17.15 mm					
		Specimen Sample Type	WH		WH		WH		WH		WH		WH		WH	
		Specimen Weight	0.3 g		2.1 g		0.4 g		23.7 g		7.7 g		1.6 g		0.8 g	
		Taxon	AM		AM		CH		ZM		ZM		AM		CH	
Method	Parameter Name	Units														
E160.3	SOLIDS, PERCENT	%	4.97		10.61				9.39		6.13		6.95		2.57	
E1630	METHYL MERCURY	ng/g	3.4		48.2		1.7	J	32.1		15.7		9.3		1.8	J
E1631	MERCURY	mg/kg	0.00376		0.0495		0.00571	J	0.0416		0.028		0.0139		0.0421	J

Validated Laboratory Data for
Invertebrate Samples

		Location	OL-STA-50060		OL-STA-50060		OL-STA-50062		OL-STA-50062		OL-STA-50062		OL-STA-50063		OL-STA-50064	
		Field Sample ID	OL-1335-04		OL-1335-05		OL-1335-01		OL-1335-02		OL-1335-03		OL-1339-02		OL-1337-01	
		Sample Date	8/5/2010		8/5/2010		8/5/2010		8/5/2010		8/5/2010		8/10/2010		8/6/2010	
		SDG	1032038		1032038		1032038		1032038		1032038		1033017		1033002	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate	
		Specimen Length									15.83 mm		20.07 mm			
		Specimen Sample Type	WH		WH		WH		WH		WH		WH		WH	
		Specimen Weight	0.3 g		1.7 g		0.3 g		0.7 g		8 g		14 g		1.6 g	
		Taxon	AM		CH		CH		AM		ZM		ZM		AM	
Method	Parameter Name	Units														
E160.3	SOLIDS, PERCENT	%			3.43				8.87		7.93				9.38	
E1630	METHYL MERCURY	ng/g	50.7		3	J	17.7		34.3		38.2		4.1	J	34.4	
E1631	MERCURY	mg/kg	0.05		0.0475	J	0.0135	J	0.0338		0.042		0.0146		0.0345	

Validated Laboratory Data for
Invertebrate Samples

		Location	OL-STA-50064		OL-STA-60226		OL-STA-60226		OL-STA-70125		OL-STA-70125		OL-STA-70125	
		Field Sample ID	OL-1337-02		OL-1331-01		OL-1331-02		OL-1329-06		OL-1329-07		OL-1329-08	
		Sample Date	8/6/2010		8/3/2010		8/3/2010		8/2/2010		8/2/2010		8/2/2010	
		SDG	1033002		1032019		1032019		1032022		1032022		1032022	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate		Tissue - invertebrate	
		Specimen Length									NaN mm			
		Specimen Sample Type	WH		WH		WH		WH		WH		WH	
		Specimen Weight	0.8 g		0.5 g		1.1 g		0.1 g		13 g		0.7 g	
		Taxon	CH		AM		CH		AM		CF		CH	
Method	Parameter Name	Units												
E160.3	SOLIDS, PERCENT	%			8.02		4.08		9.72		28.33			
E1630	METHYL MERCURY	ng/g	6.4		5		1.3	J	27.5		114		1.8	J
E1631	MERCURY	mg/kg	0.0124		0.0089		0.00943		0.0439		0.153	J	0.0482	

ATTACHMENT A-3

VALIDATED LABORATORY DATA FOR SURFACE WATER SAMPLES

Validated Laboratory Data for
Surface Water Samples

			Field Sample ID	OL-1345-06		OL-1357-05		OL-1357-06		OL-1361-06		OL-1345-05		OL-1357-04		OL-1361-05		OL-1345-04	
			Location	OL-STA-10161		OL-STA-10161		OL-STA-10161		OL-STA-10161		OL-STA-20160		OL-STA-20160		OL-STA-20160		OL-STA-30095	
			Sample Depth	0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT	
			Sample Date	8/16/2010		10/27/2010		10/27/2010		11/11/2010		8/16/2010		10/27/2010		11/11/2010		8/16/2010	
			SDG	JA54095|1034005		JA59978|1045026		JA59978|1045026		1046038|JA61495		JA54095|1034005		JA59978|1045026		1046038|JA61495		JA54095|1034005	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000231		0.000132		0.000117		0.000079		0.000149		0.000086		0.000064		0.000225	
E1631	MERCURY	ug/L	N	0.018		0.0133	J	0.0133	J	0.00651		0.00339		0.00638	J	0.00193		0.0024	
E1631	MERCURY	ug/L	Y									0.0011		0.00086	J	0.0003	J	0.00068	
SM2540D	Total Suspended Solids	mg/L	N	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	

Validated Laboratory Data for
Surface Water Samples

			Field Sample ID	OL-1357-03		OL-1361-04		OL-1345-02		OL-1345-03		OL-1357-02		OL-1361-02		OL-1361-03		OL-1345-01	
			Location	OL-STA-30095		OL-STA-30095		OL-STA-40124		OL-STA-40124		OL-STA-40124		OL-STA-40124		OL-STA-40124		OL-STA-50062	
			Sample Depth	0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT	
			Sample Date	10/27/2010		11/11/2010		8/16/2010		8/16/2010		10/27/2010		11/11/2010		11/11/2010		8/16/2010	
			SDG	JA59978|1045026		1046038|JA61495		JA54095|1034005		JA54095|1034005		JA59978|1045026		1046038|JA61495		1046038|JA61495		JA54095|1034005	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000098		0.000048	J	0.000148		0.000164		0.000133		0.000053		0.000051		0.000237	
E1631	MERCURY	ug/L	N	0.00295	J	0.00157		0.00353		0.00376		0.00238	J	0.00147		0.00108		0.0025	
E1631	MERCURY	ug/L	Y			0.00035	J												
SM2540D	Total Suspended Solids	mg/L	N	3	J	4	U	2	J	4	U	4	U	4	U	4	U	3	J

Validated Laboratory Data for
Surface Water Samples

			Field Sample ID	OL-1357-01		OL-1361-01		OL-1345-07		OL-1357-07		OL-1361-07	
			Location	OL-STA-50062		OL-STA-50062		OL-STA-60226		OL-STA-60226		OL-STA-60226	
			Sample Depth	0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT		0.0-0.0 FT	
			Sample Date	10/27/2010		11/11/2010		8/16/2010		10/27/2010		11/11/2010	
			SDG	JA59978|1045026		1046038|JA61495		JA54095|1034005		JA59978|1045026		1046038|JA61495	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered										
E1630	METHYL MERCURY	ug/L	N	0.000159		0.000056		0.000103		0.000099		0.000074	
E1631	MERCURY	ug/L	N	0.00266	J	0.00149		0.00759		0.00546	J	0.00324	
E1631	MERCURY	ug/L	Y							0.00103	J		
SM2540D	Total Suspended Solids	mg/L	N	3	J	4	U	21		10		4	U

ATTACHMENT A-4

VALIDATED LABORATORY DATA FOR SEDIMENT SAMPLES

Validated Laboratory Data for
Sediment Samples

		Location	OL-STA-10161		OL-STA-10161		OL-STA-20160		OL-STA-20160		OL-STA-30095		OL-STA-30095		OL-STA-40124		OL-STA-40124	
		Field Sample ID	OL-1330-01		OL-1330-02		OL-1332-01		OL-1332-02		OL-1334-01		OL-1334-02		OL-1334-03		OL-1334-04	
		Sample Depth	0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT	
		Sample Date	8/2/2010		8/2/2010		8/3/2010		8/3/2010		8/4/2010		8/4/2010		8/4/2010		8/4/2010	
		SDG	JA52934|1032013		JA52934|1032013		JA53087|1032018		JA53087|1032018		JA53169|1032030		JA53169|1032030		JA53169|1032030		JA53169|1032030	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Method	Parameter Name	Units																
ASTM D4643-00	SOLIDS, PERCENT	%					48.9		46.3									
E160.3	SOLIDS, PERCENT	%	51.18		45.27		44.12		50.93		56.65		66.6		43.09		57.33	
SM2540G	SOLIDS, PERCENT	%	53.5		52.1						51.3		66		40.4		53	
E1630	METHYL MERCURY	ug/kg	9.14		3.12	J	3.13	J	1.87		0.969		0.068		1.34	J	0.068	
Lloyd Kahn	TOTAL ORGANIC CARBON	mg/kg	16000	J	15500	J	30200	J	19100	J	11300	J	4480	J	21100	J	11900	J
SW7471	MERCURY	mg/kg	7.3		10.6		0.51	J	0.53	J	0.14		0.048		0.83	J	0.37	

Validated Laboratory Data for
Sediment Samples

		Location	OL-STA-40124		OL-STA-50060		OL-STA-50060		OL-STA-50061		OL-STA-50061		OL-STA-50061		OL-STA-50062		OL-STA-50062	
		Field Sample ID	OL-1334-05		OL-1336-01		OL-1336-02		OL-1340-01		OL-1340-02		OL-1340-03		OL-1336-03		OL-1336-04	
		Sample Depth	0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT	
		Sample Date	8/4/2010		8/5/2010		8/5/2010		8/10/2010		8/10/2010		8/10/2010		8/5/2010		8/5/2010	
		SDG	JA53169|1032030		1032037|JA53335		1032037|JA53335		1033016|JA53665		1033016|JA53665		1033016|JA53665		1032037|JA53335		1032037|JA53335	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Method	Parameter Name	Units																
ASTM D4643-00	SOLIDS, PERCENT	%																
E160.3	SOLIDS, PERCENT	%	56.63		51.83		56.19		43.3		53.45		54.25		50.66		56.95	
SM2540G	SOLIDS, PERCENT	%	57		49.8		57.7		52.7		61.4		54.7		52		57.4	
E1630	METHYL MERCURY	ug/kg	0.325		3.36		0.3		0.371	J	0.075		0.082		0.777		0.168	
Lloyd Kahn	TOTAL ORGANIC CARBON	mg/kg	11200	J	11300	J	8490	J	11900	J	6750	J	7280	J	13200	J	8540	J
SW7471	MERCURY	mg/kg	0.24		1.6	J	1		0.47		0.084		0.12		0.41		0.12	

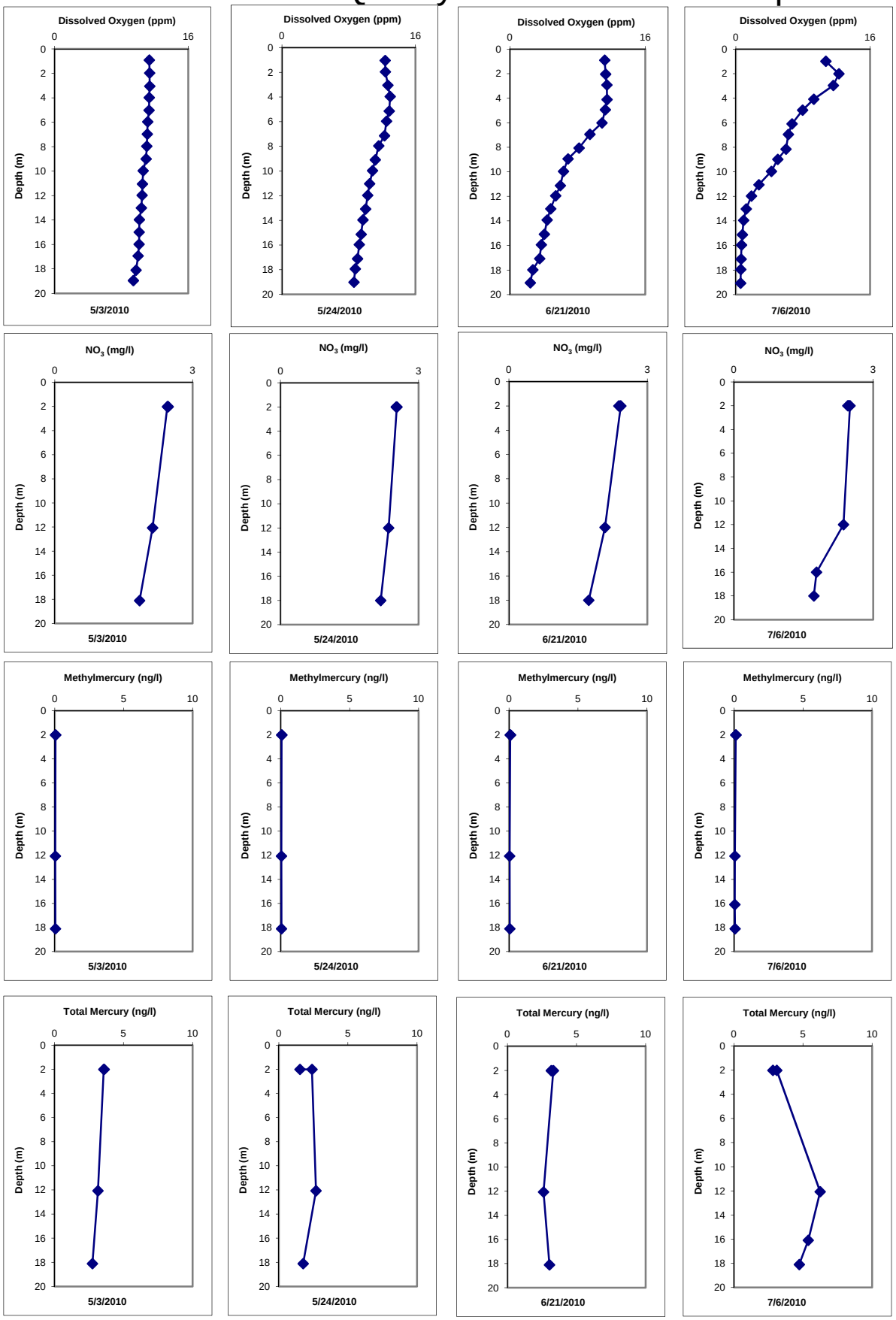
Validated Laboratory Data for
Sediment Samples

		Location	OL-STA-50063		OL-STA-50063		OL-STA-50064		OL-STA-50064		OL-STA-60226		OL-STA-60226		OL-STA-70125		OL-STA-70125	
		Field Sample ID	OL-1340-04		OL-1340-05		OL-1338-01		OL-1338-02		OL-1332-03		OL-1332-04		OL-1330-03		OL-1330-04	
		Sample Depth	0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT		0.00-0.07 FT		0.07-0.49 FT	
		Sample Date	8/10/2010		8/10/2010		8/6/2010		8/6/2010		8/3/2010		8/3/2010		8/2/2010		8/2/2010	
		SDG	1033016|JA53665		1033016|JA53665		1033001|JA53471		1033001|JA53471		JA53087|1032018		JA53087|1032018		JA52934|1032013		JA52934|1032013	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Method	Parameter Name	Units																
ASTM D4643-00	SOLIDS, PERCENT	%									61.4		60.6					
E160.3	SOLIDS, PERCENT	%	57.3		56.83		57.85		65.48		55.63		57.71		62.02		60.07	
SM2540G	SOLIDS, PERCENT	%	54.8		56.4		57.3		59.5						58		65.9	
E1630	METHYL MERCURY	ug/kg	0.384		0.032	J	0.519		0.13		0.261		0.201		4.73		6.86	
Lloyd Kahn	TOTAL ORGANIC CARBON	mg/kg	8790	J	4770	J	9620	J	8150	J	24200	J	24700	J	48900	J	47200	J
SW7471	MERCURY	mg/kg	0.086		0.017	U	0.12		0.13		0.98		0.58		7.6		7	

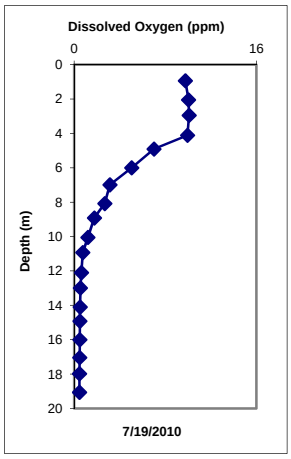
APPENDIX C

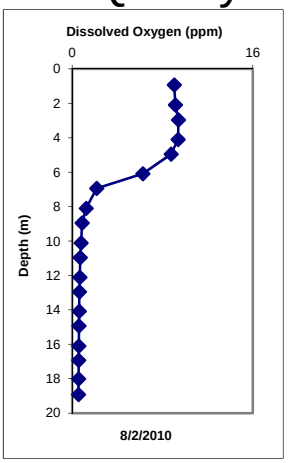
PLOTS OF DISSOLVED OXYGEN, NITRATE, TOTAL MERCURY AND METHYLMERCURY BY DEPTH AT SOUTH DEEP IN 2010

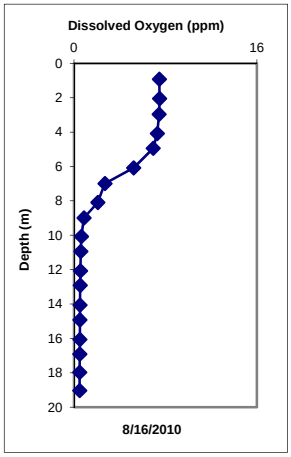
2010 Water Quality Results: South Deep

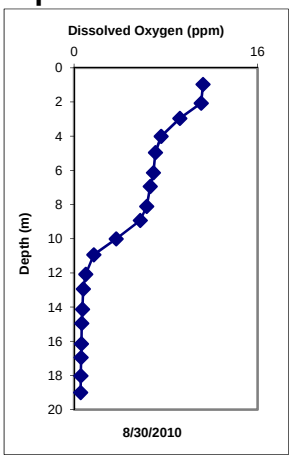


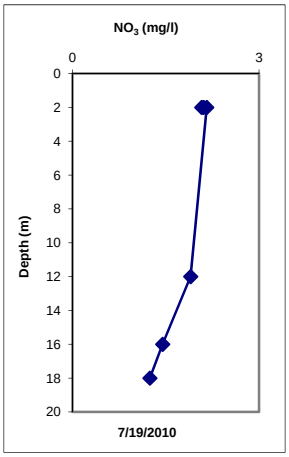
2010 Water Quality Results: South Deep

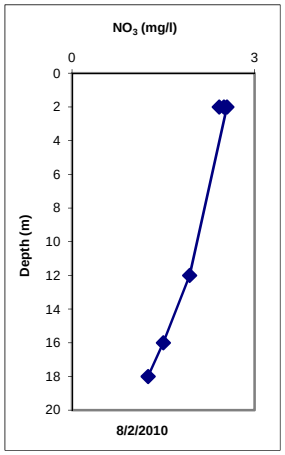


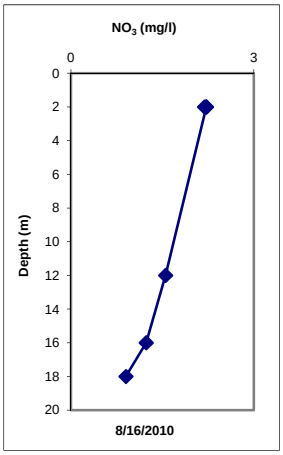


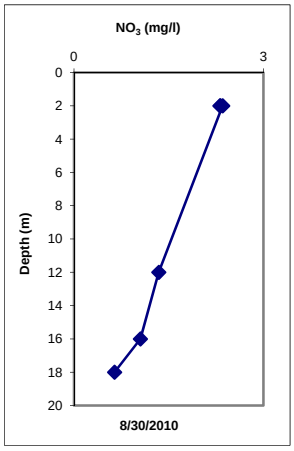


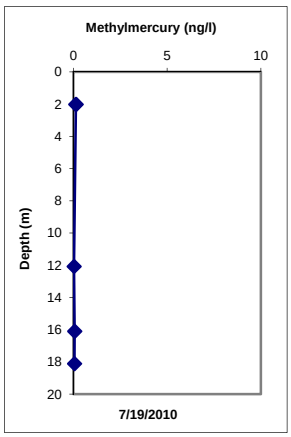


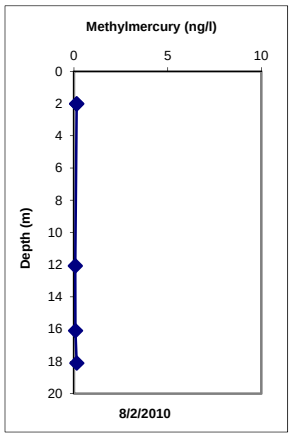


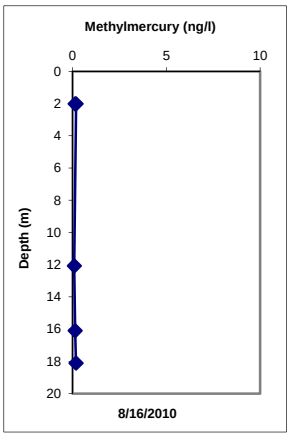


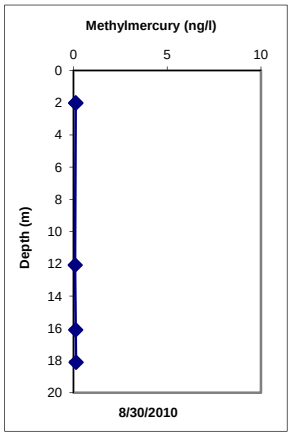


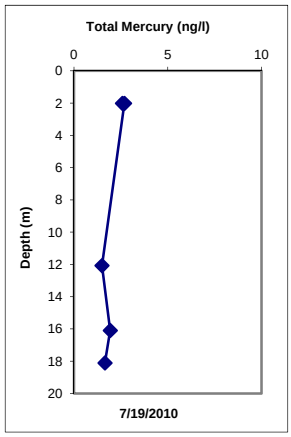


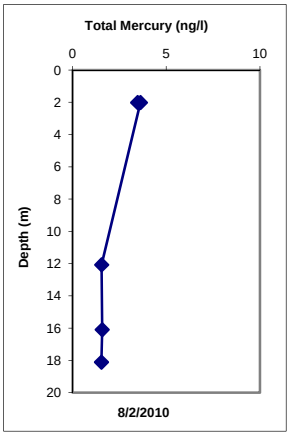


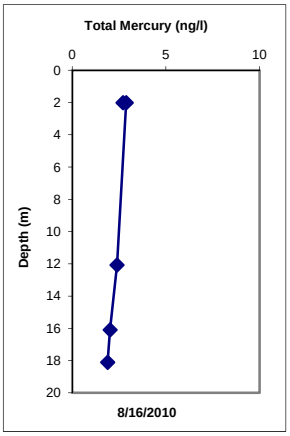


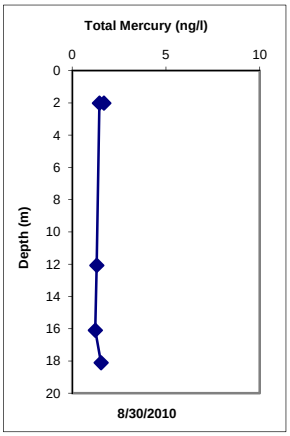




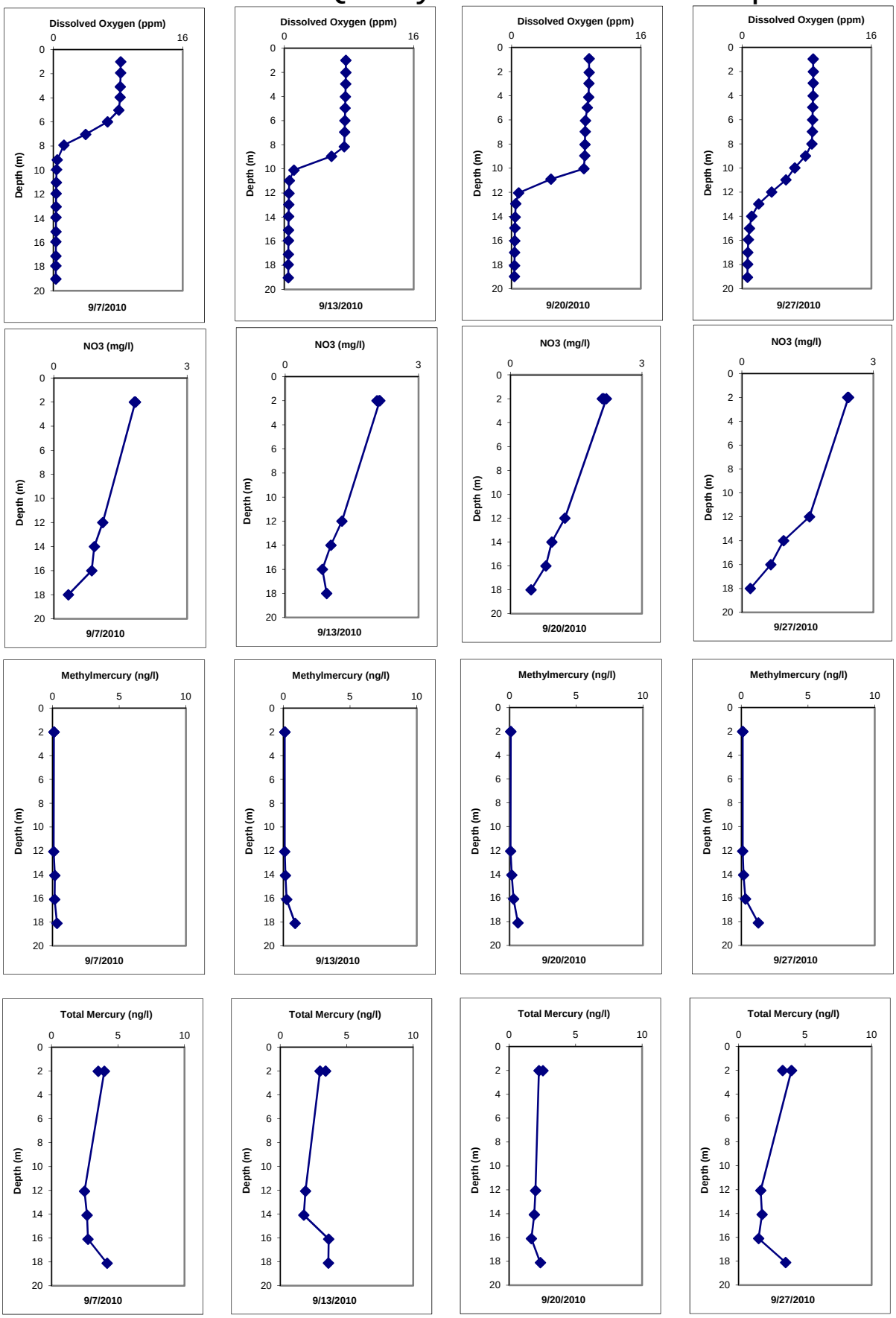




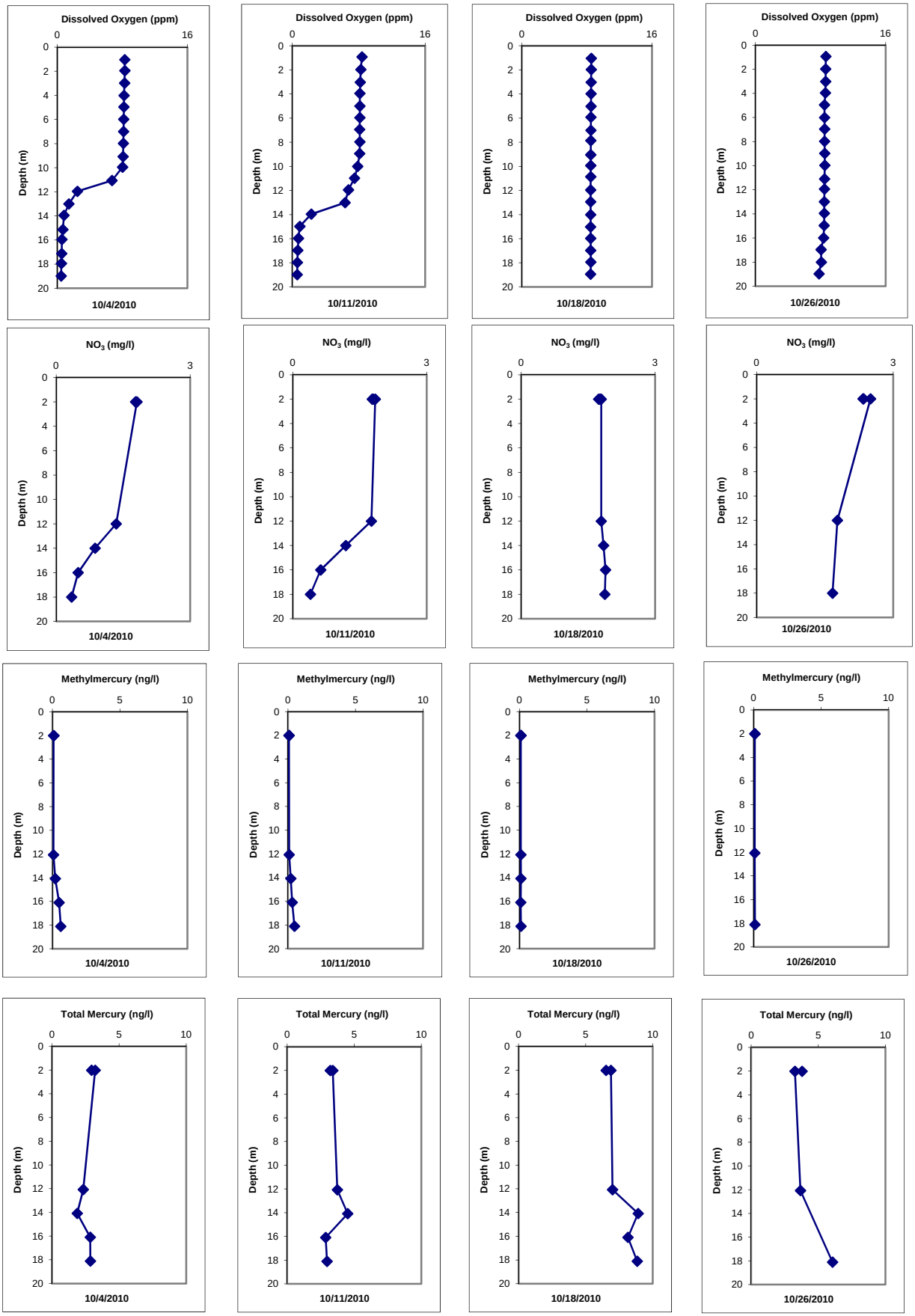
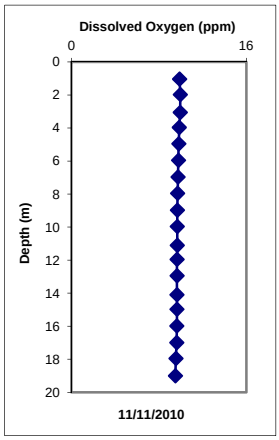
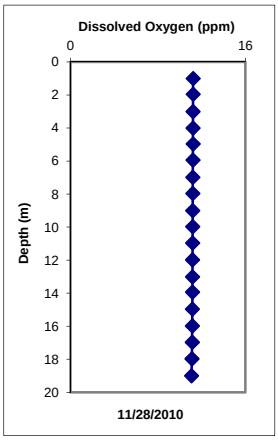
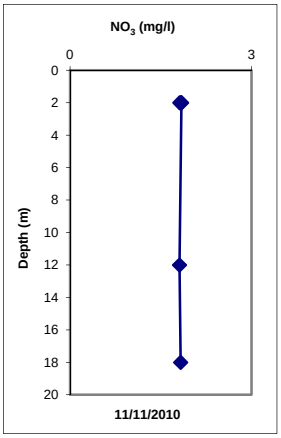
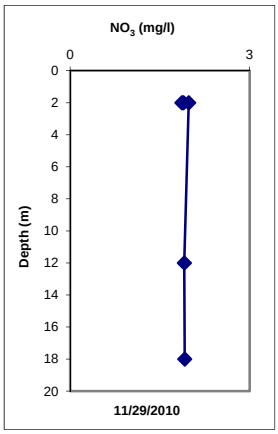
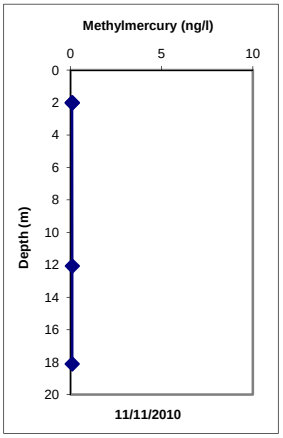
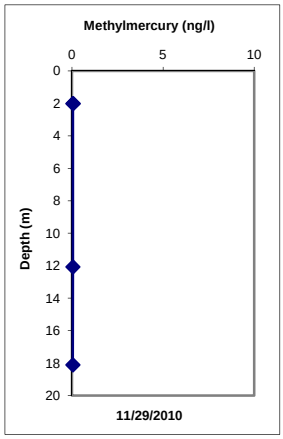
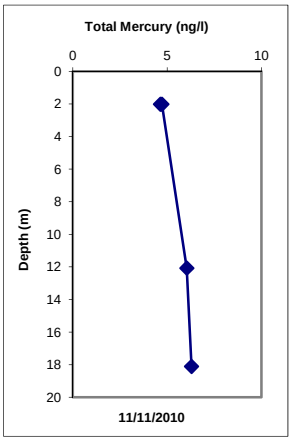
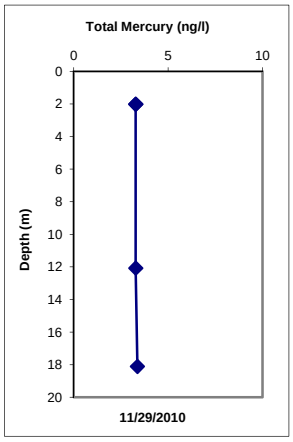




2010 Water Quality Results: South Deep



2010 Water Quality Results: South Deep



2010 Water Quality Results: South Deep