APPENDIX B:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 2 FOR 2011: FISH

Prepared For:

Honeywell

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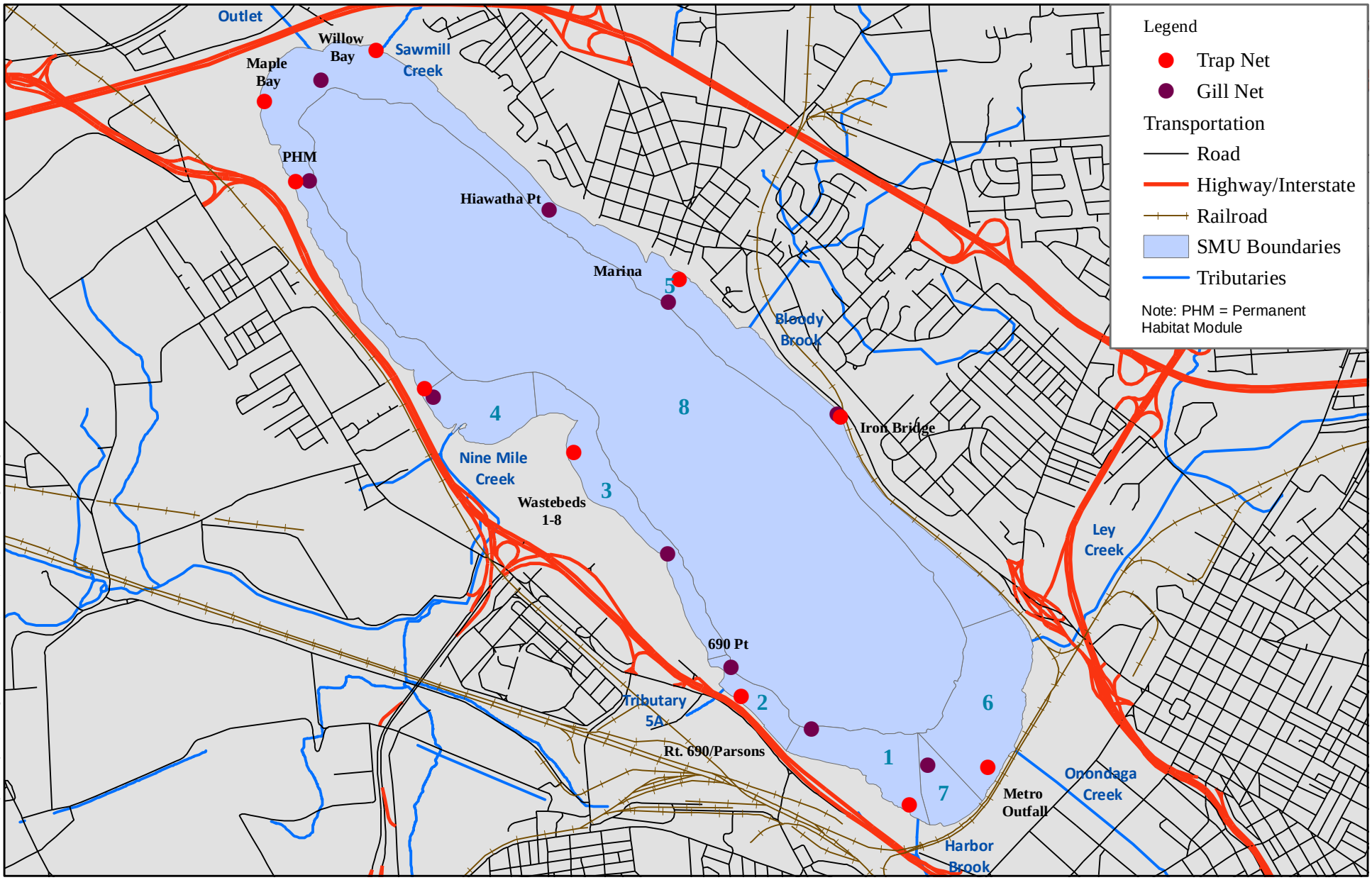
SEPTEMBER 2013

ANCHOR QEA

Honeywell PARSONS

Figure 1
Baseline monitoring fish sampling locations for 2011.



\\Helios\d_drive\Projects\Honeywell\Onondaga_Lake_Remediation(090139-01)\Baseline_Monitoring\GIS\Maps\ESF_Fish_Comm_20100708.mxd jer 2/22/13

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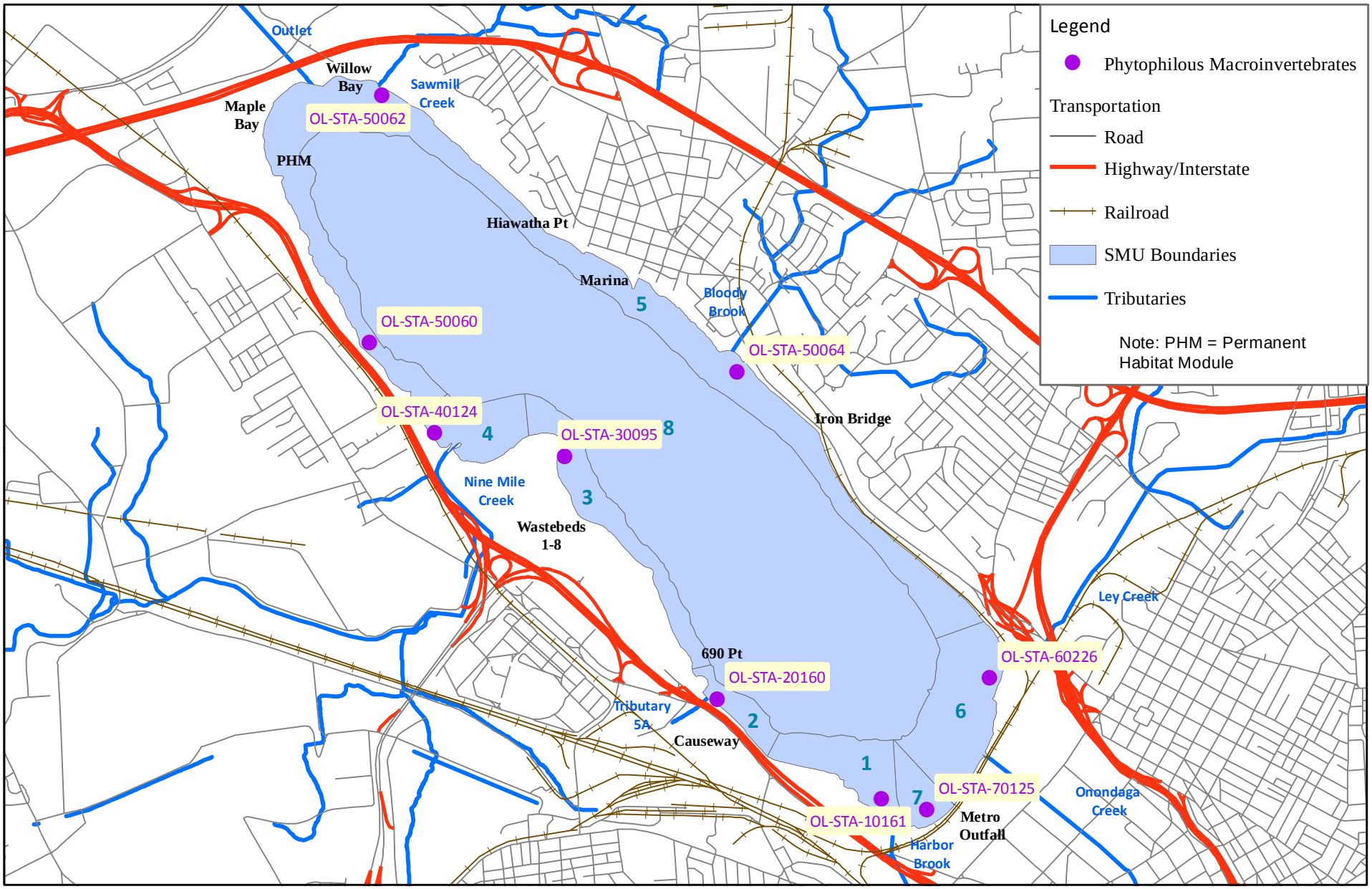
N W E S

0 2,500 5,000 Feet

Figure 2
Sampling locations for 2011 fish community assessment.



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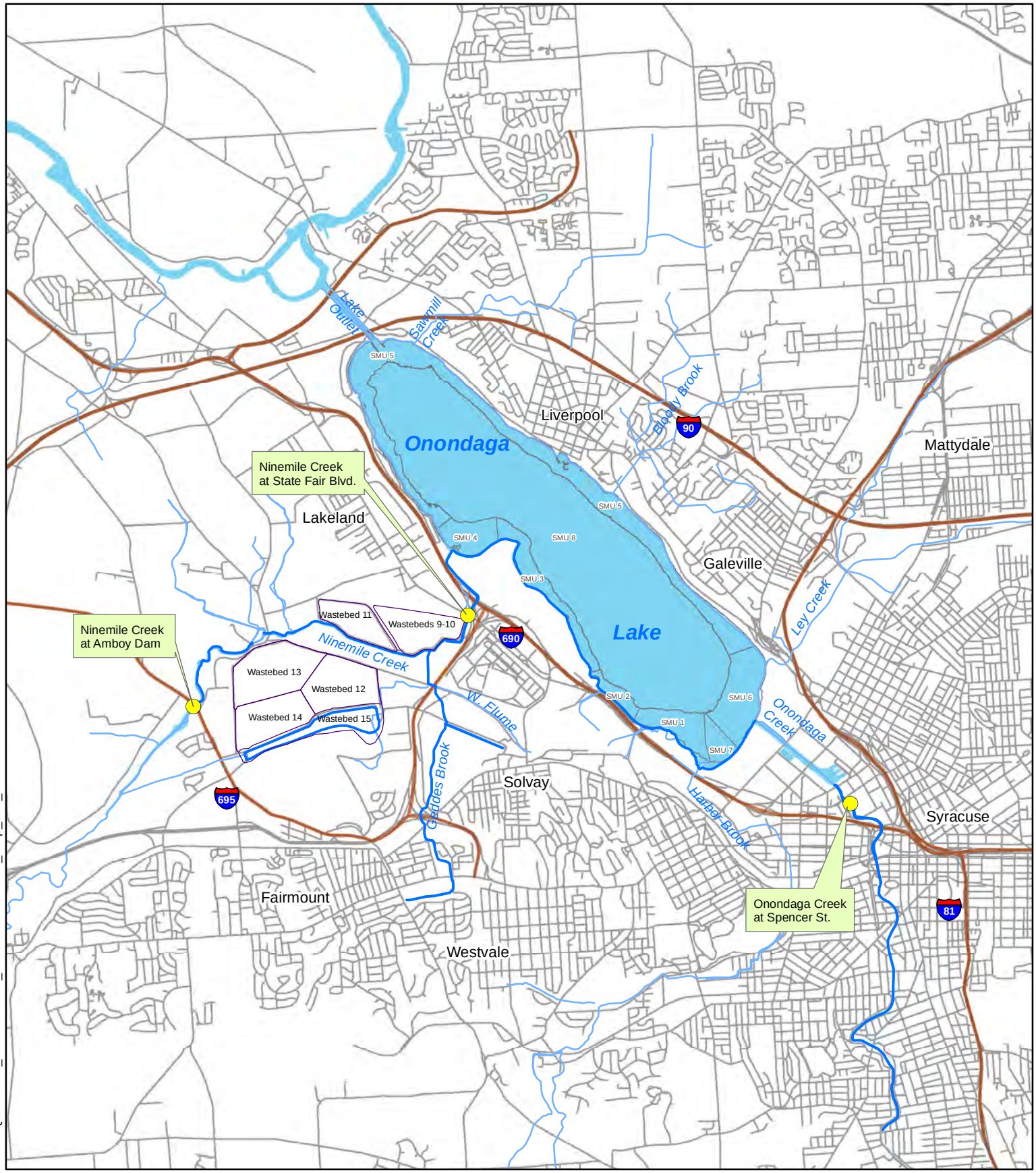
ANCHOR QEA

Honeywell PARSONS

N W E S

0 2,500 5,000 Feet

Figure 3
Baseline monitoring Phytophilous macroinvertebrate community sampling locations for 2011.



Path: Q:\GIS\GIS_Lake\Baseline_Monitor\MXDs\2011_Prop_Trib_locs.mxd

Date Revised: 1/27/2012 8:34:42 AM

Tributary Surface Water Sampling Location

River or Brook

Major Road

Minor Road

SMU Boundaries

0 2,000 4,000 8,000 12,000 Feet

Figure 4

Honeywell

Onondaga Lake
Syracuse, New York

2011 Baseline Monitoring
Tributary Sampling Locations

PARSONS

301 Plainfield Road, Suite 350; Syracuse, NY 13212 Phone:(315)451-9560

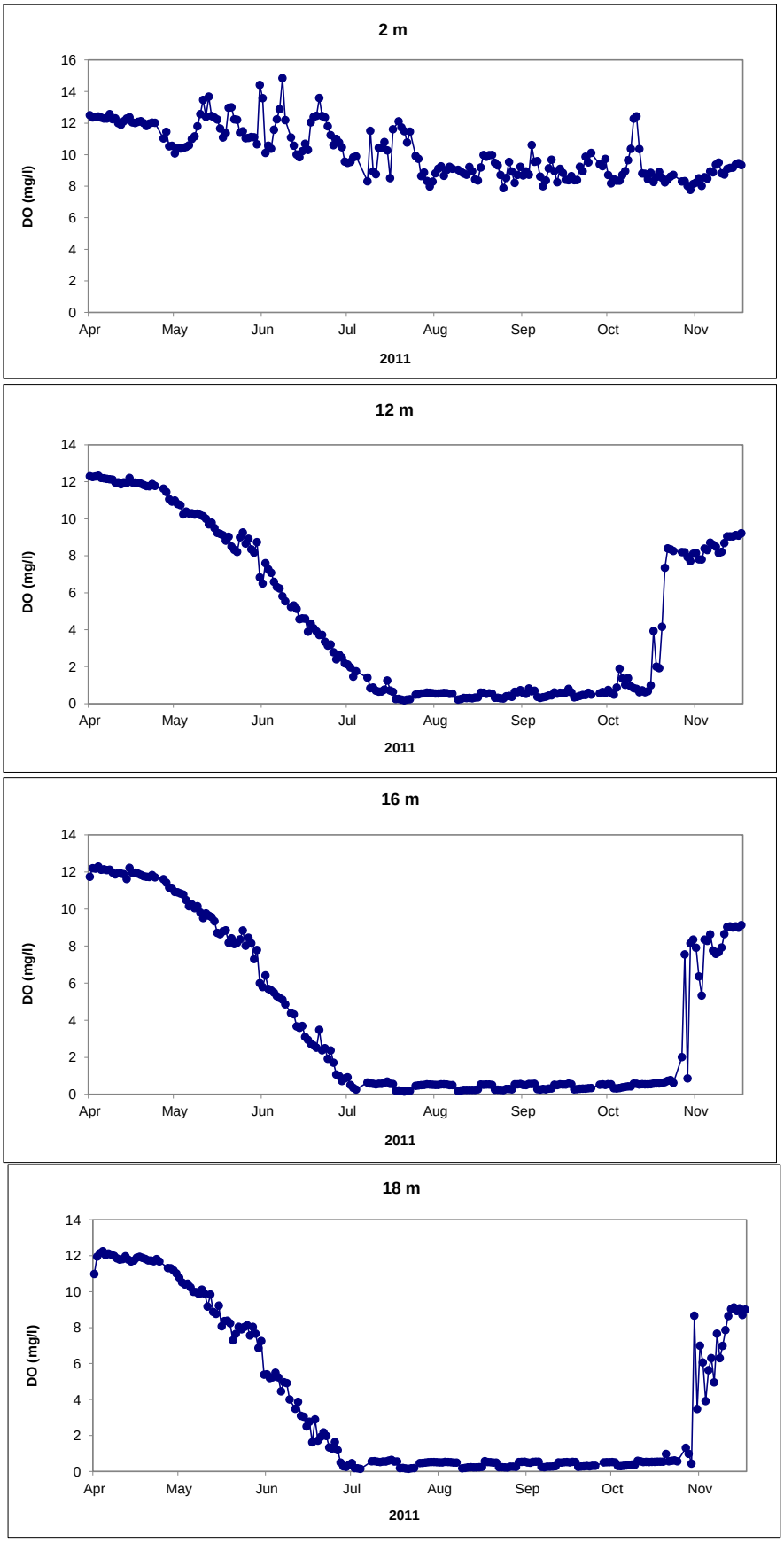


Figure 5 Dissolved Oxygen Concentrations at 2, 12, 16 and 18 m Water Depths at South Deep in 2011

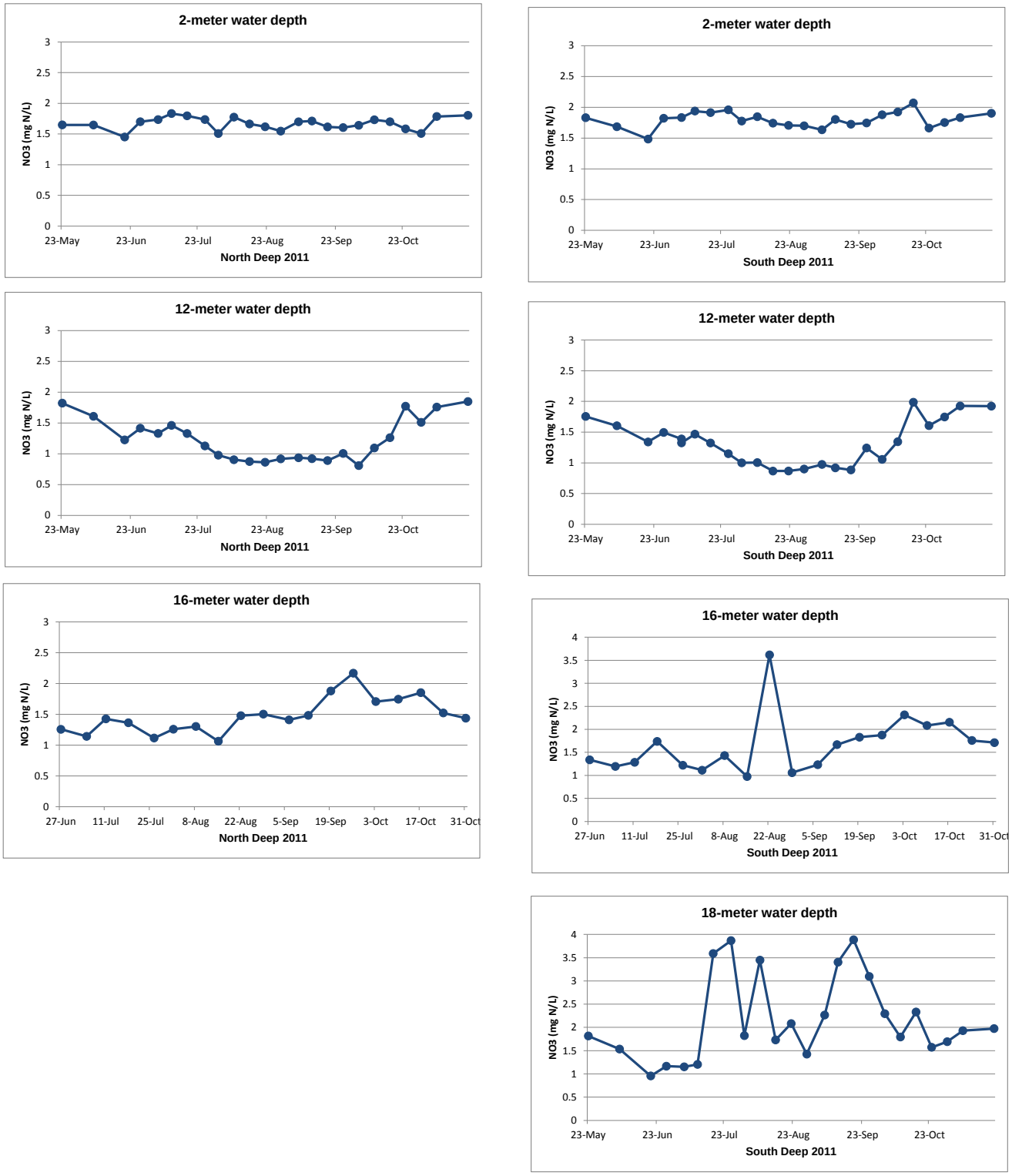
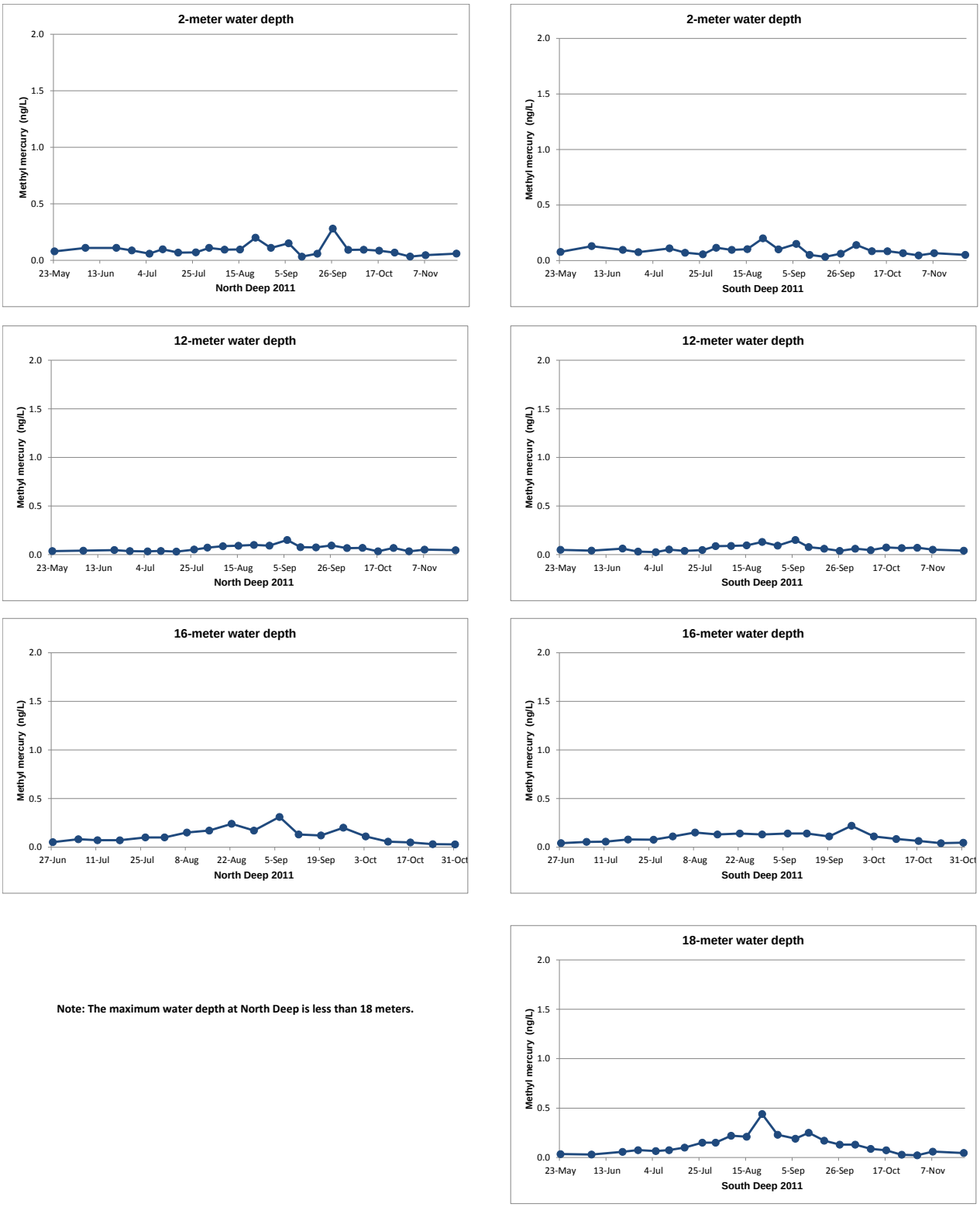
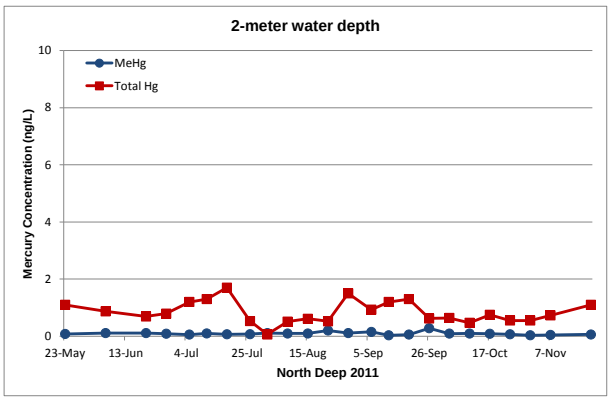


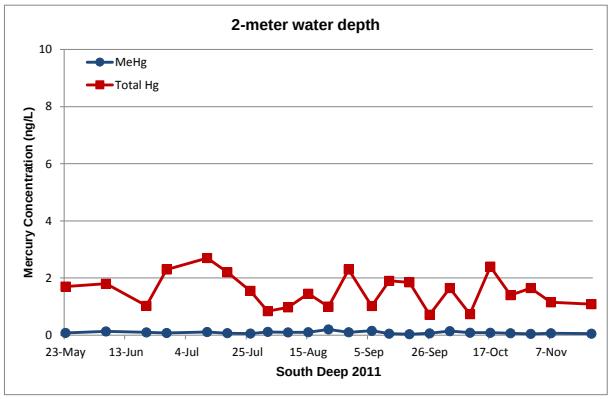
Figure 6 **Nitrate Concentrations in Water at 2, 12, 16 and 18 -meter Water Depths at North Deep and South Deep in 2011**

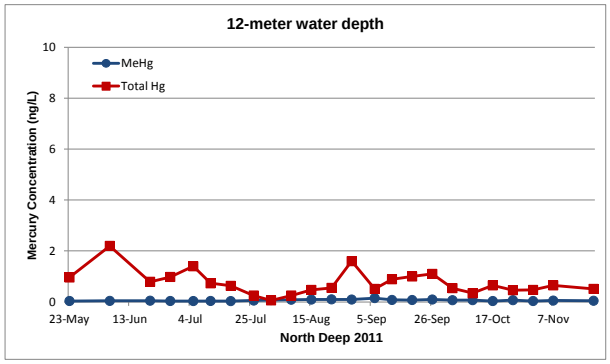


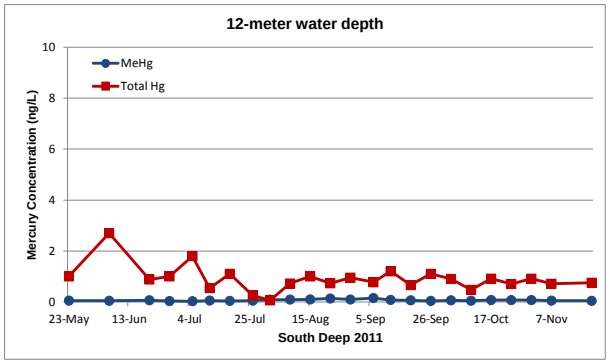
Note: The maximum water depth at North Deep is less than 18 meters.

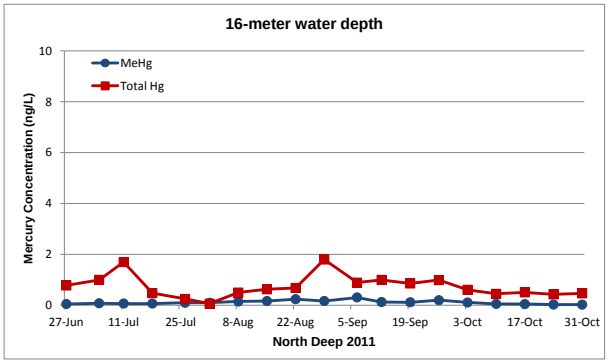
Figure 7 Methylmercury Concentrations at 2, 12, 16, and 18-meter Water Depths at North Deep and South Deep in 2011

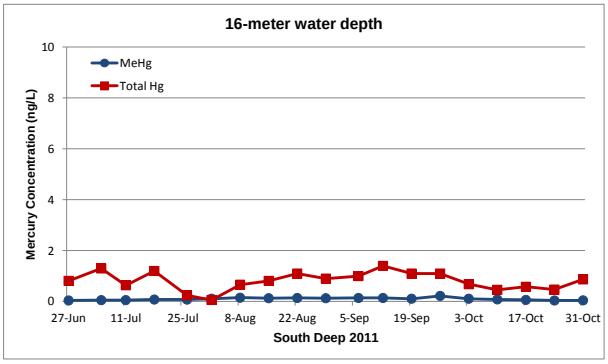












Note: The maximum water depth at North Deep is less than 18 meters.

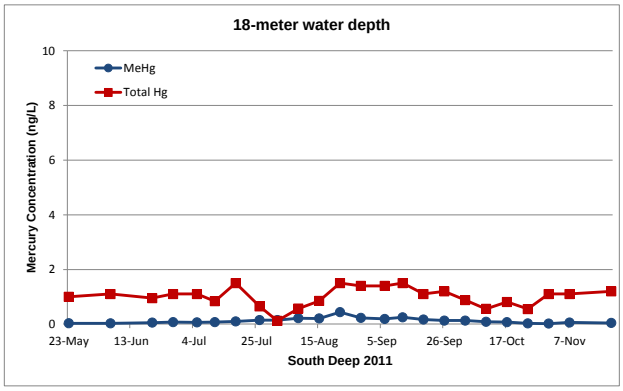


Figure 8 Total and Methylmercury Water Concentrations at 2, 12, 16, and 18-meter Water Depths at North Deep and South Deep in 2011

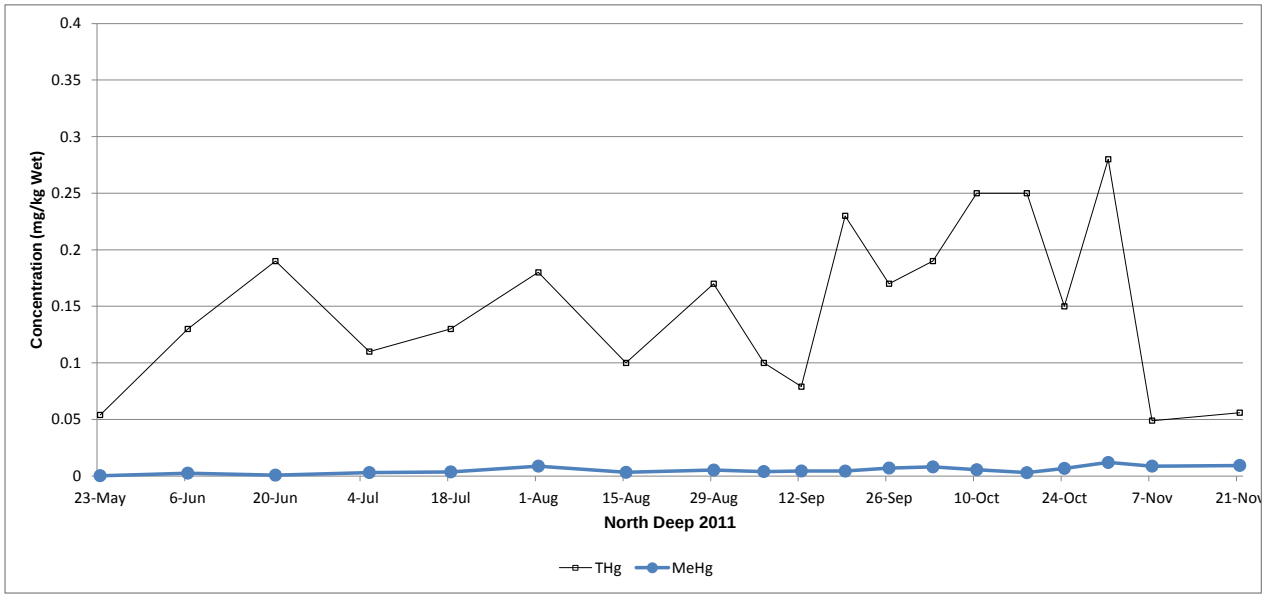


Figure 9A Total Mercury and Methylmercury in Zooplankton at North Deep During 2011

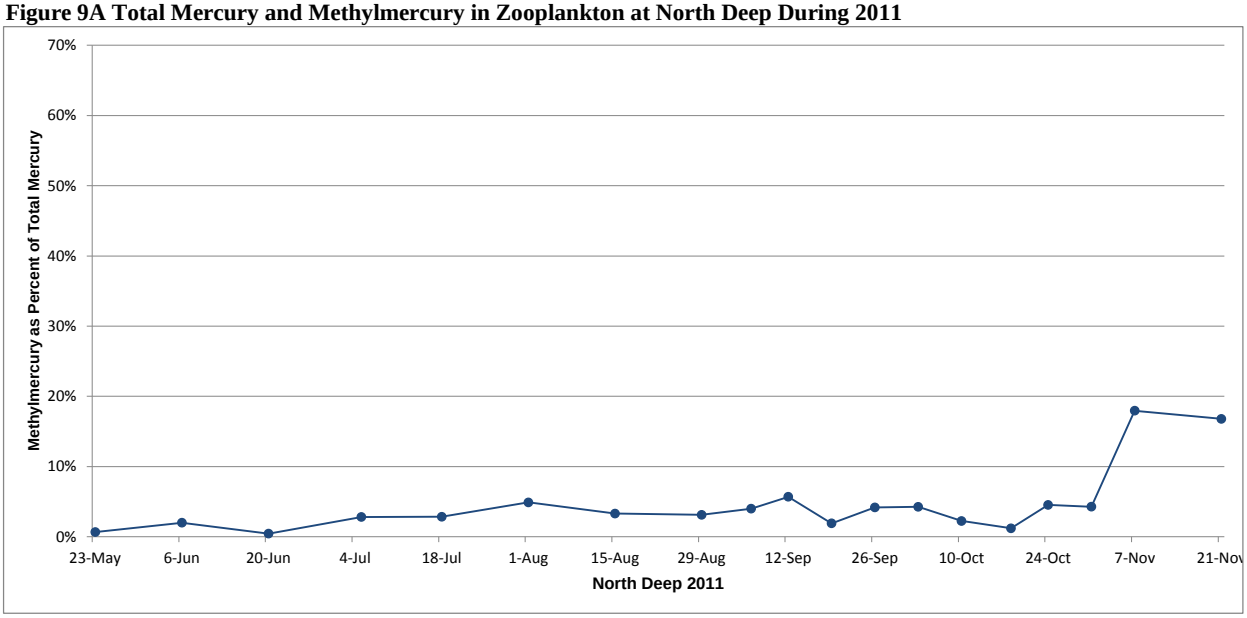


Figure 9B Methylmercury as a Percent of Total Mercury in Zooplankton at North Deep During 2011

Notes:

1. These results are for zooplankton assemblages.
2. These results are based on validated mercury data from laboratory analyses conducted by Test America (North Canton,OH).

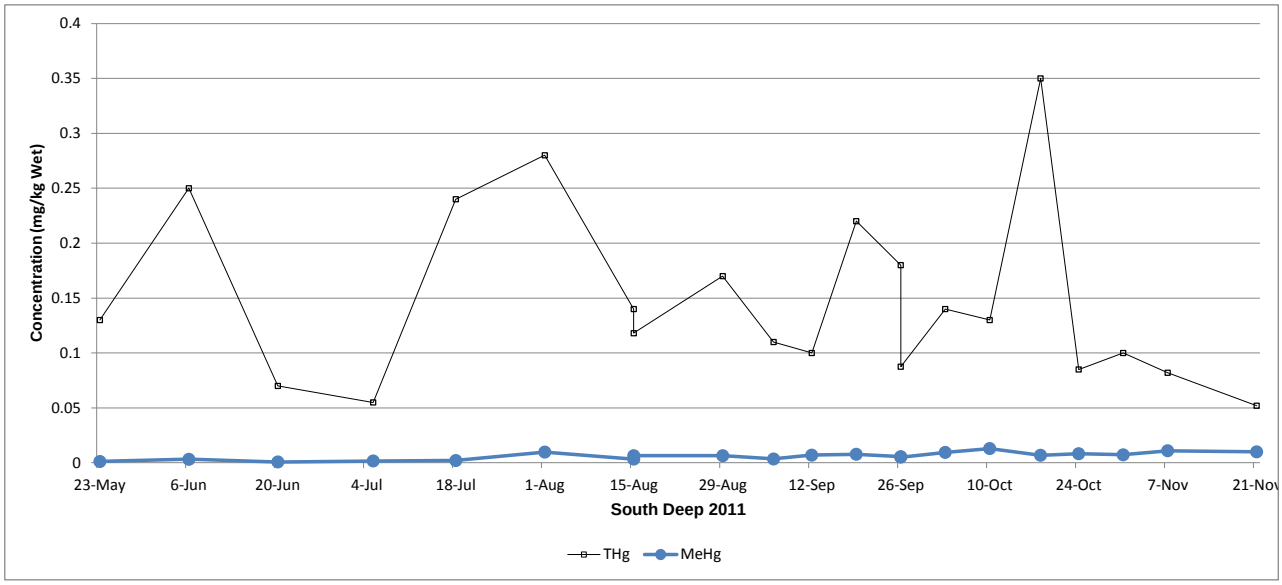


Figure 10A Total Mercury and Methylmercury in Zooplankton at South Deep During 2011

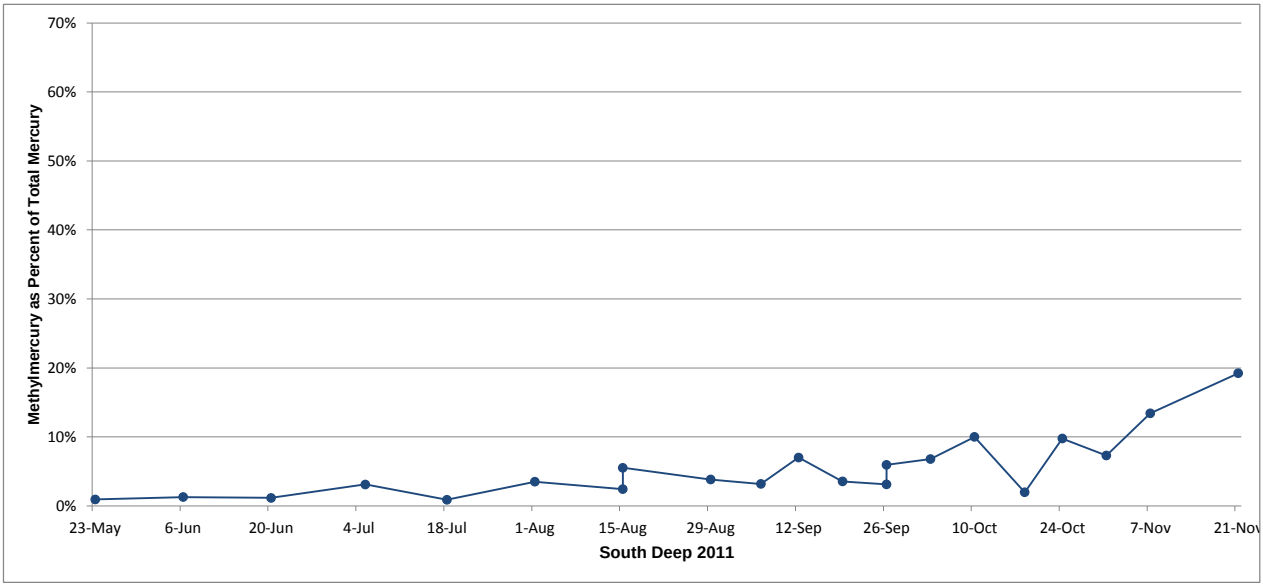
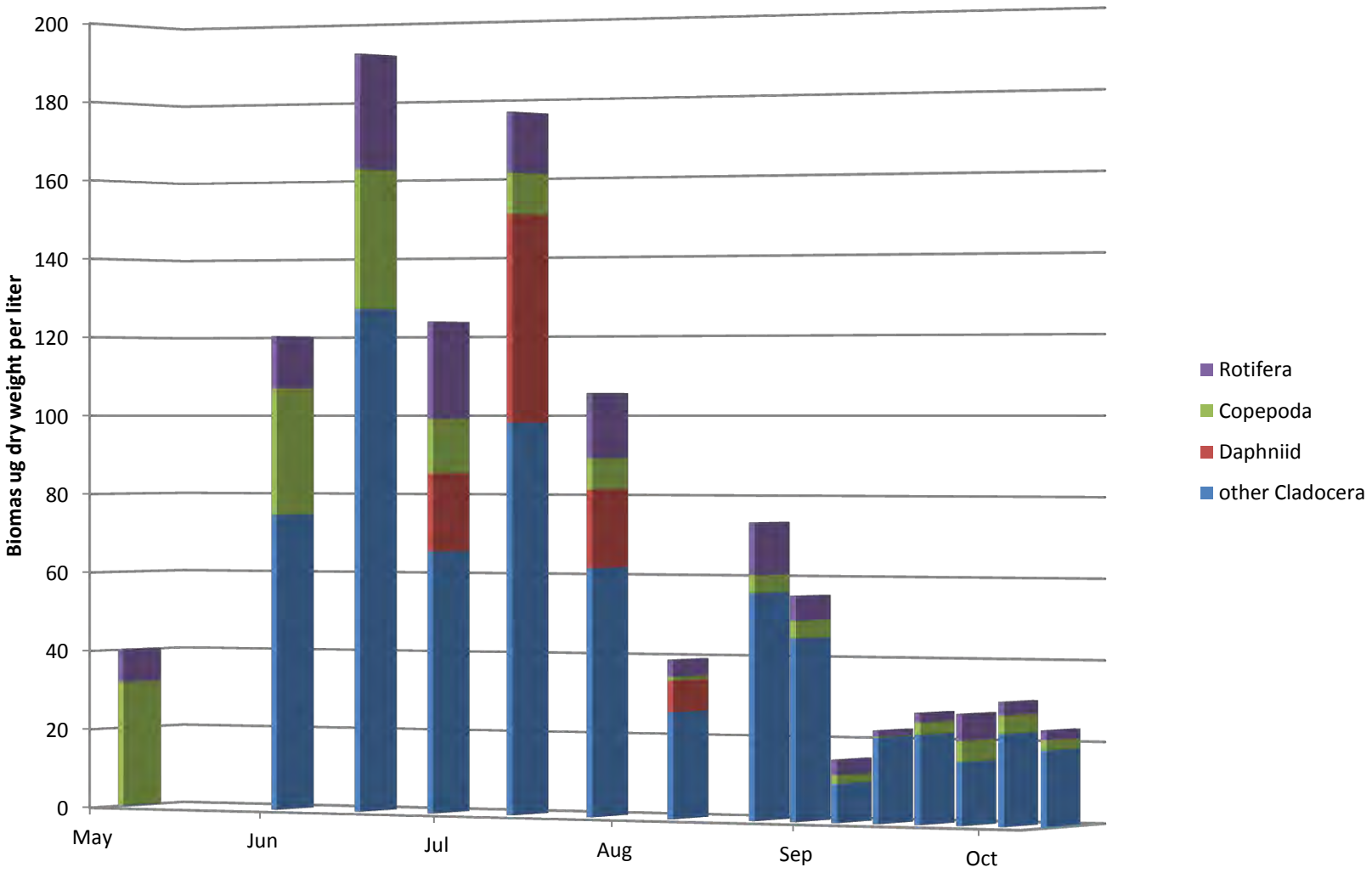


Figure 10B Methylmercury as a Percent of Total Mercury in Zooplankton at South Deep During 2011

Notes:

1. These results are for zooplankton assemblages.
2. These results are based on validated mercury data from laboratory analyses conducted by Test America (North Canton,OH).

Figure 11 Zooplankton Community Composition in 2011
Onondaga Lake at South Deep



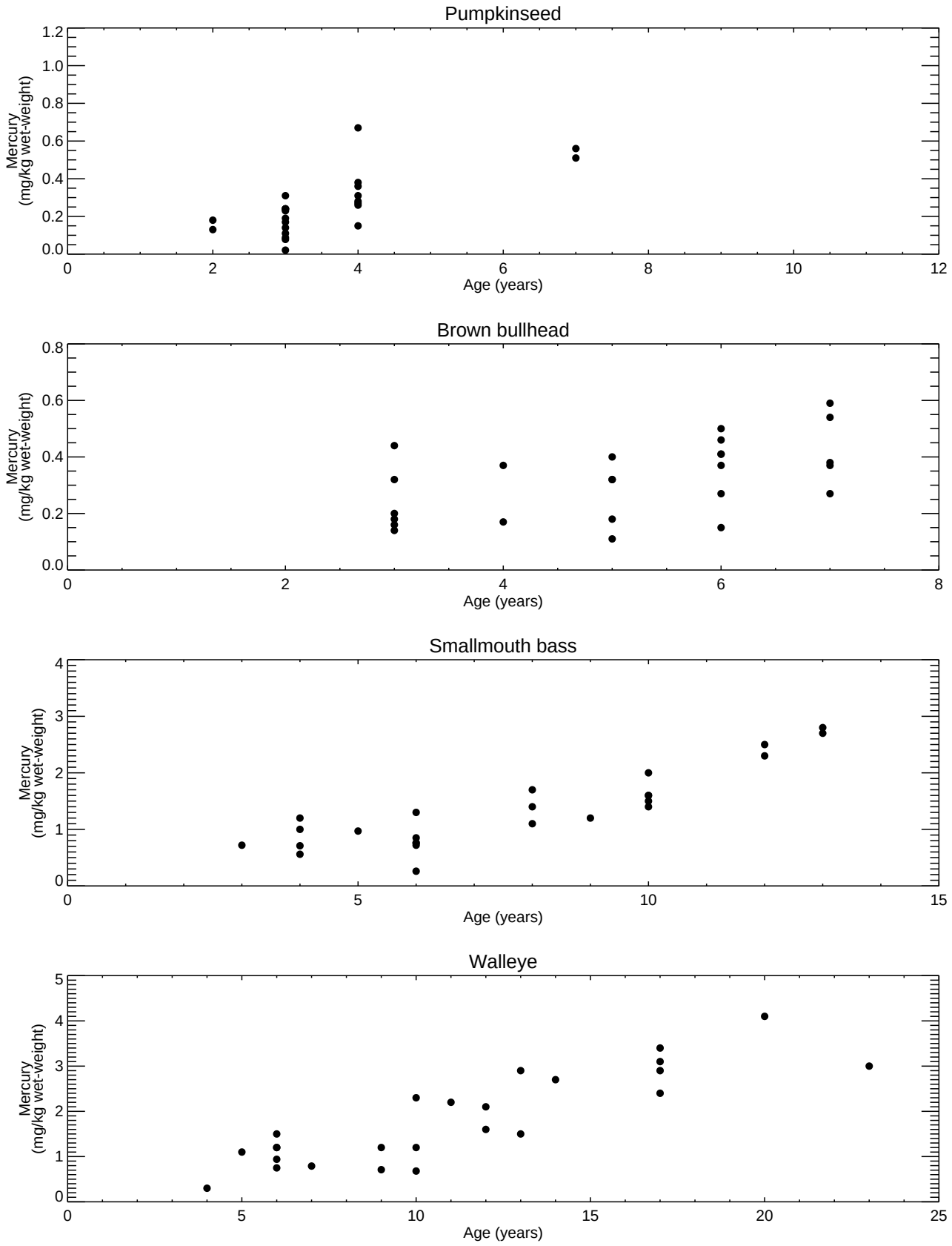


Figure 12
Mercury vs. Age in Onondaga Lake Fish Sampled in 2011.

Data source: 2011 Baseline Monitoring Program(BLM)

Figure 13 Carbon and Nitrogen Stable Isotope Results Reflective of Trophic Level

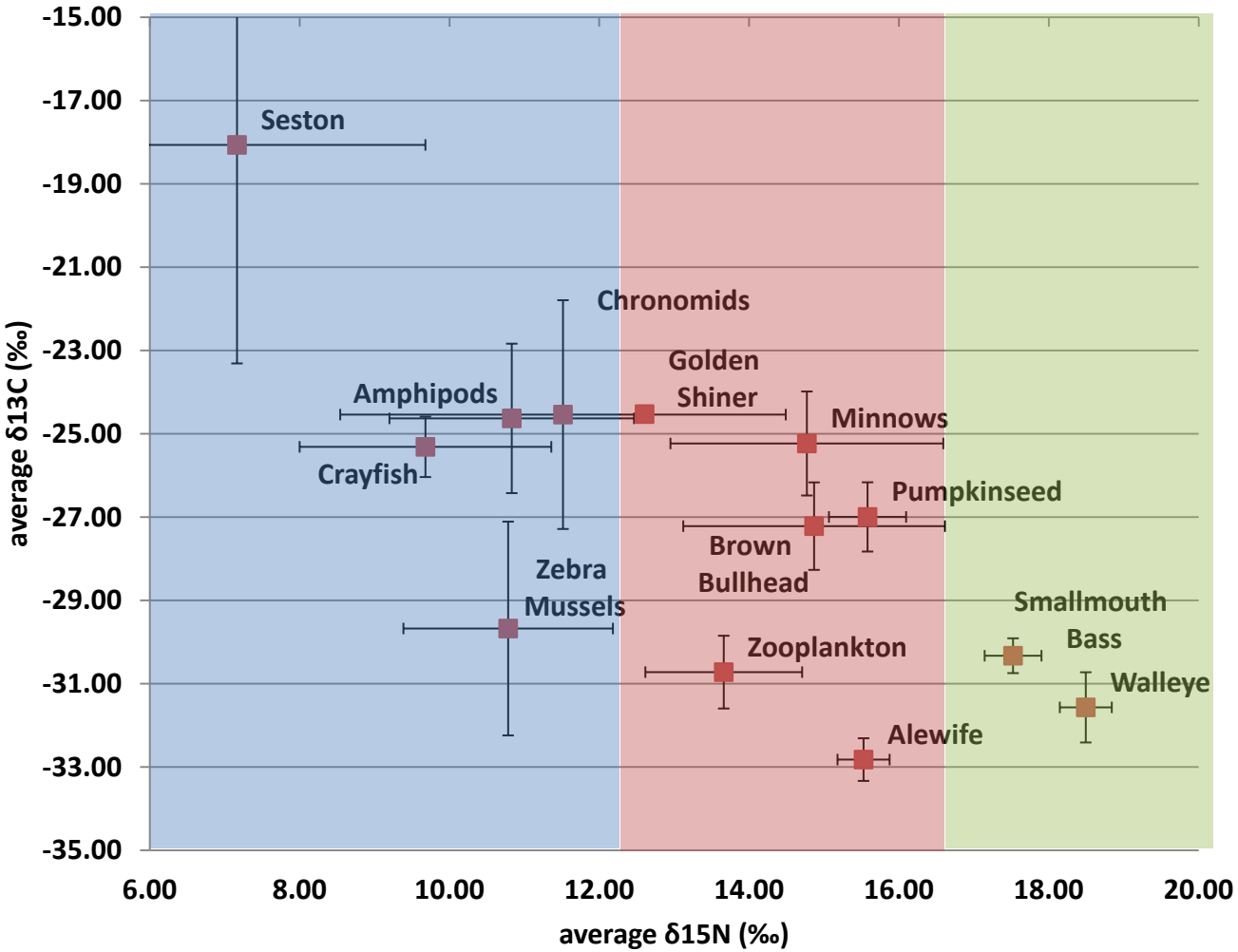
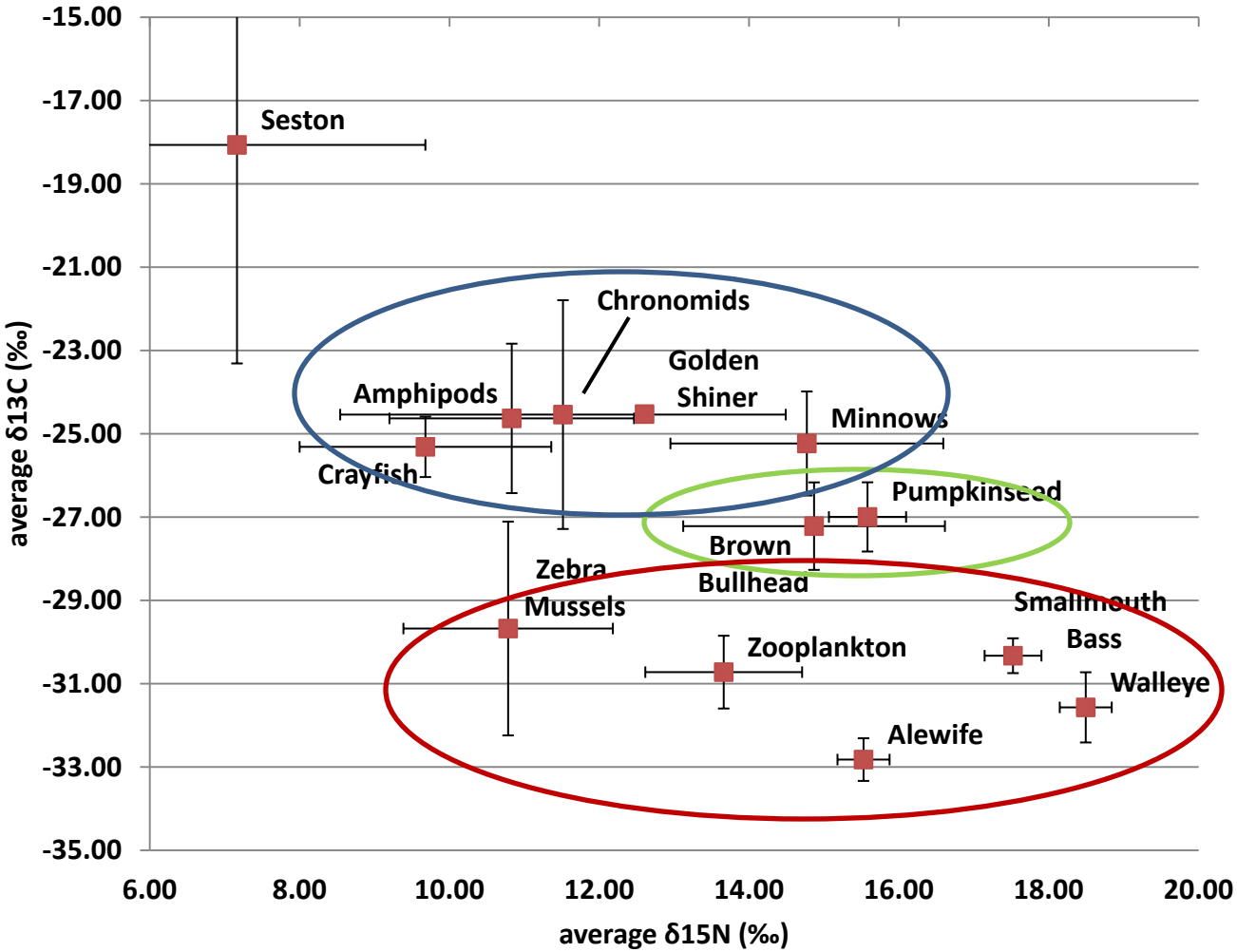
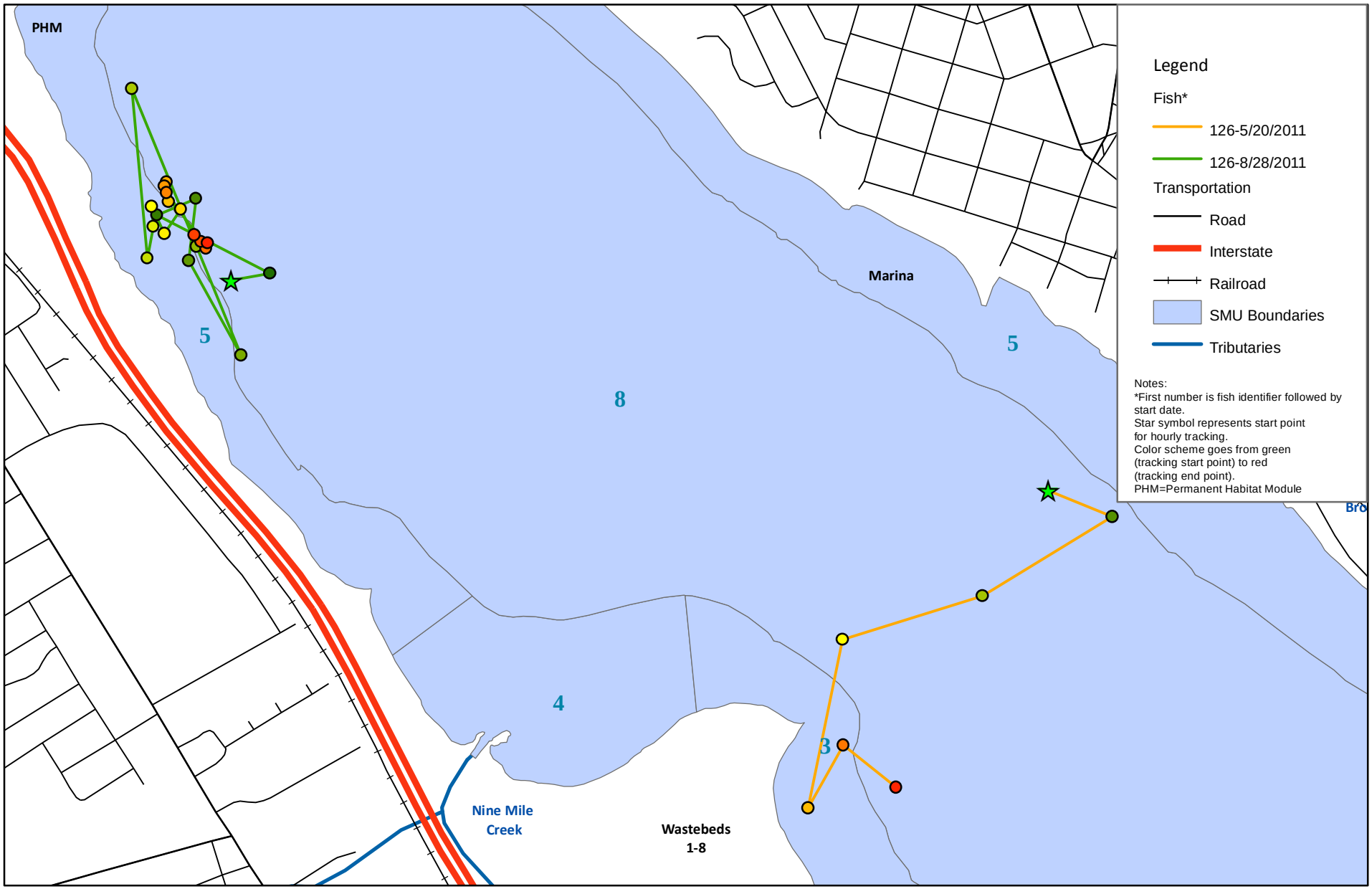


Figure 14 Carbon and Nitrogen Stable Isotope Results Reflective of Carbon Source





ANCHOR QEA

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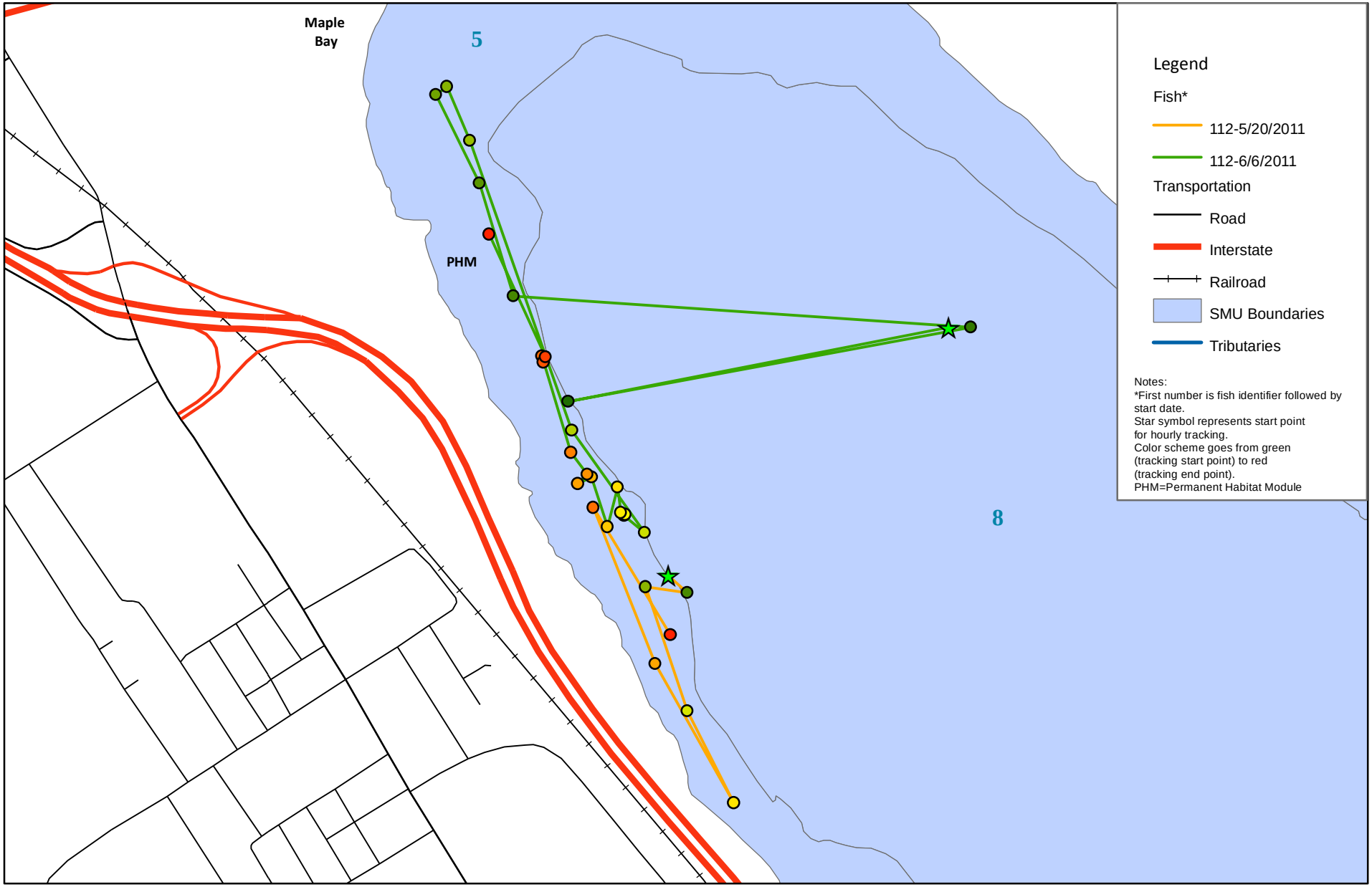
N W E S

0 1,300 2,600 Feet

Figure 15a
Walleye movement during 2011 based on hourly tracking.



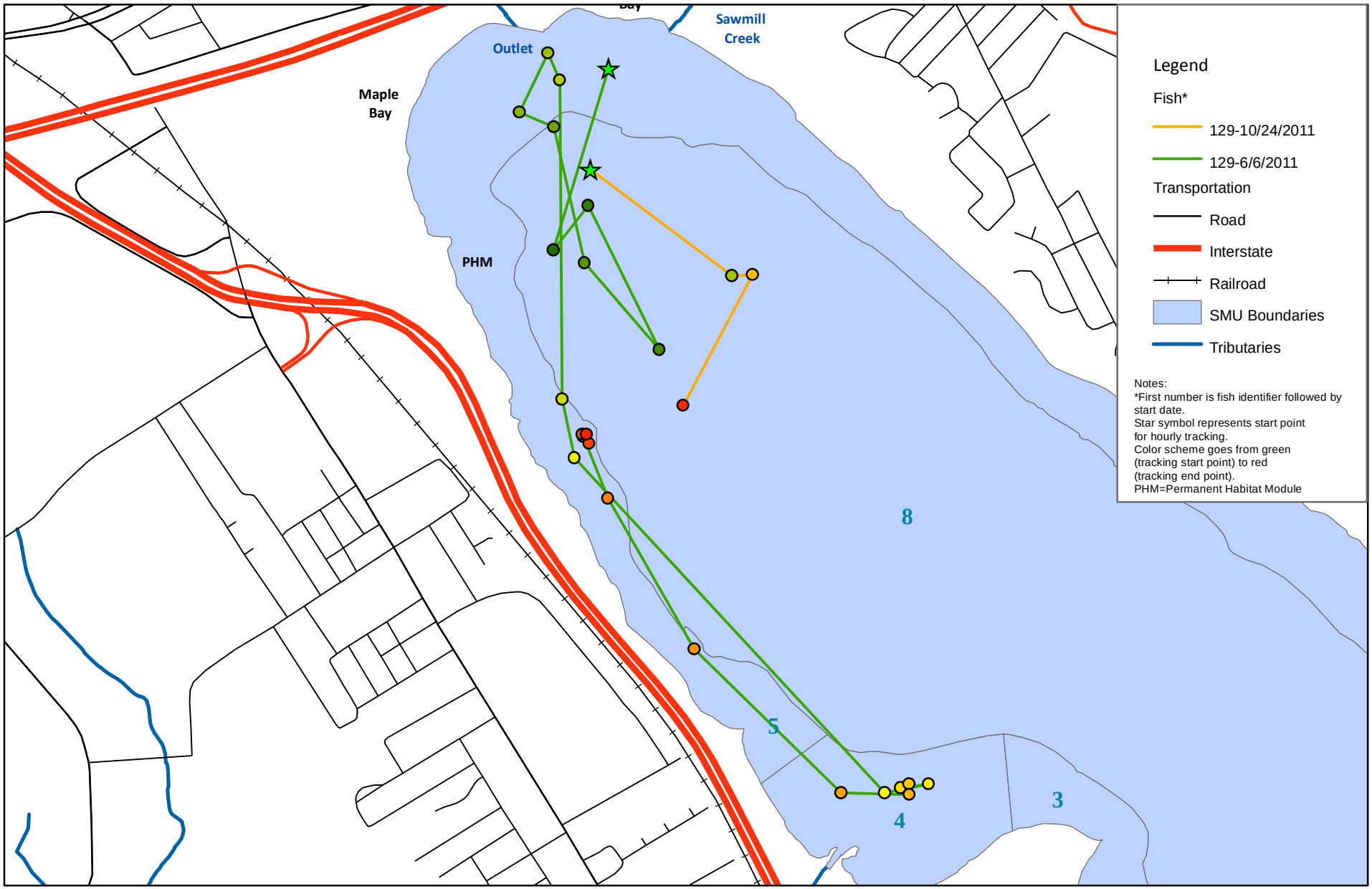
ANCHOR QEA

Honeywell PARSONS

N W E S

0 1,100 2,200 Feet

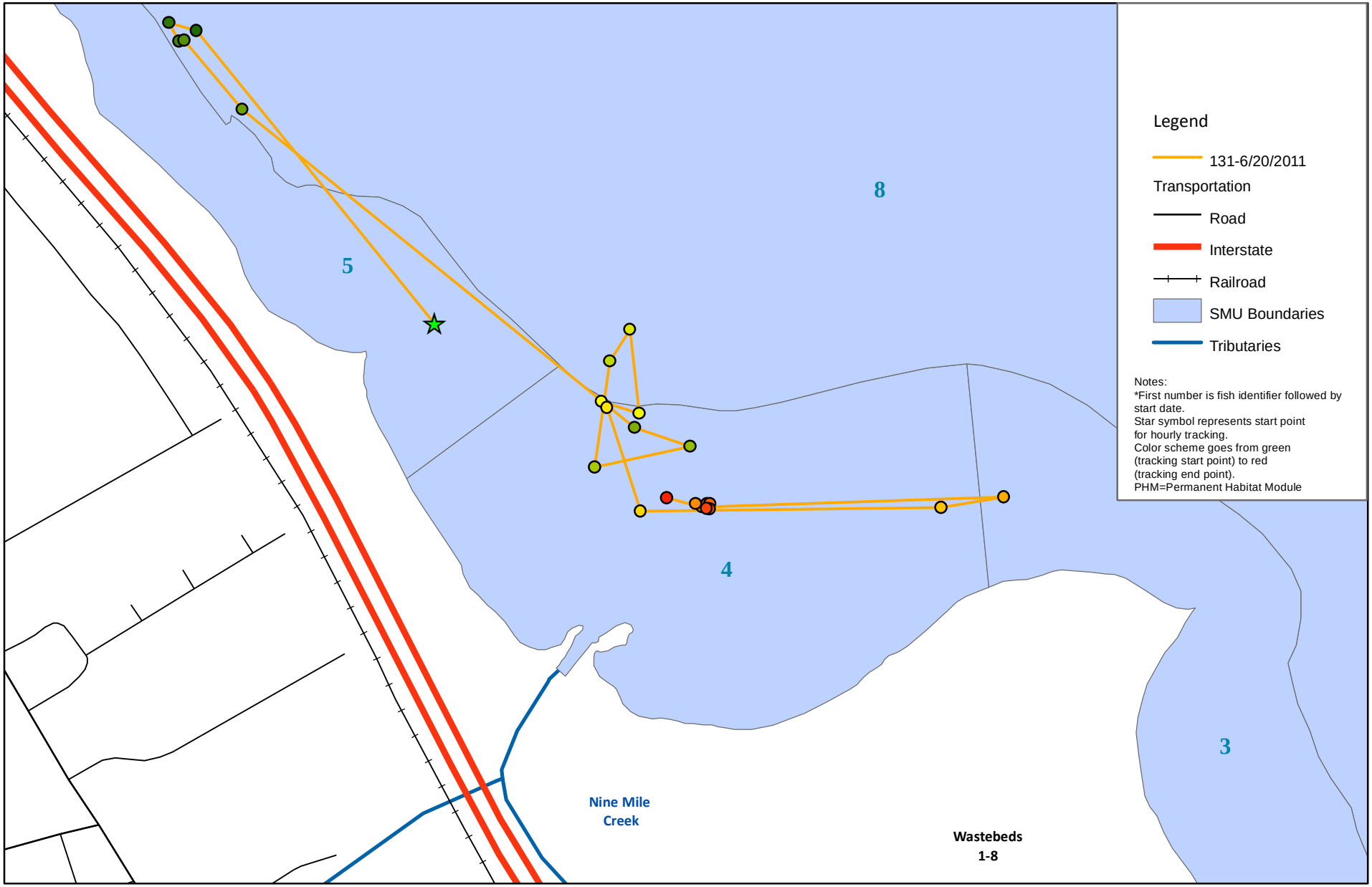
Figure 15b
Walleye movement during 2011 based on hourly tracking.



N
W E
S

0 1,600 3,200
Feet

Figure 15c
Walleye movement during 2011 based on hourly tracking.



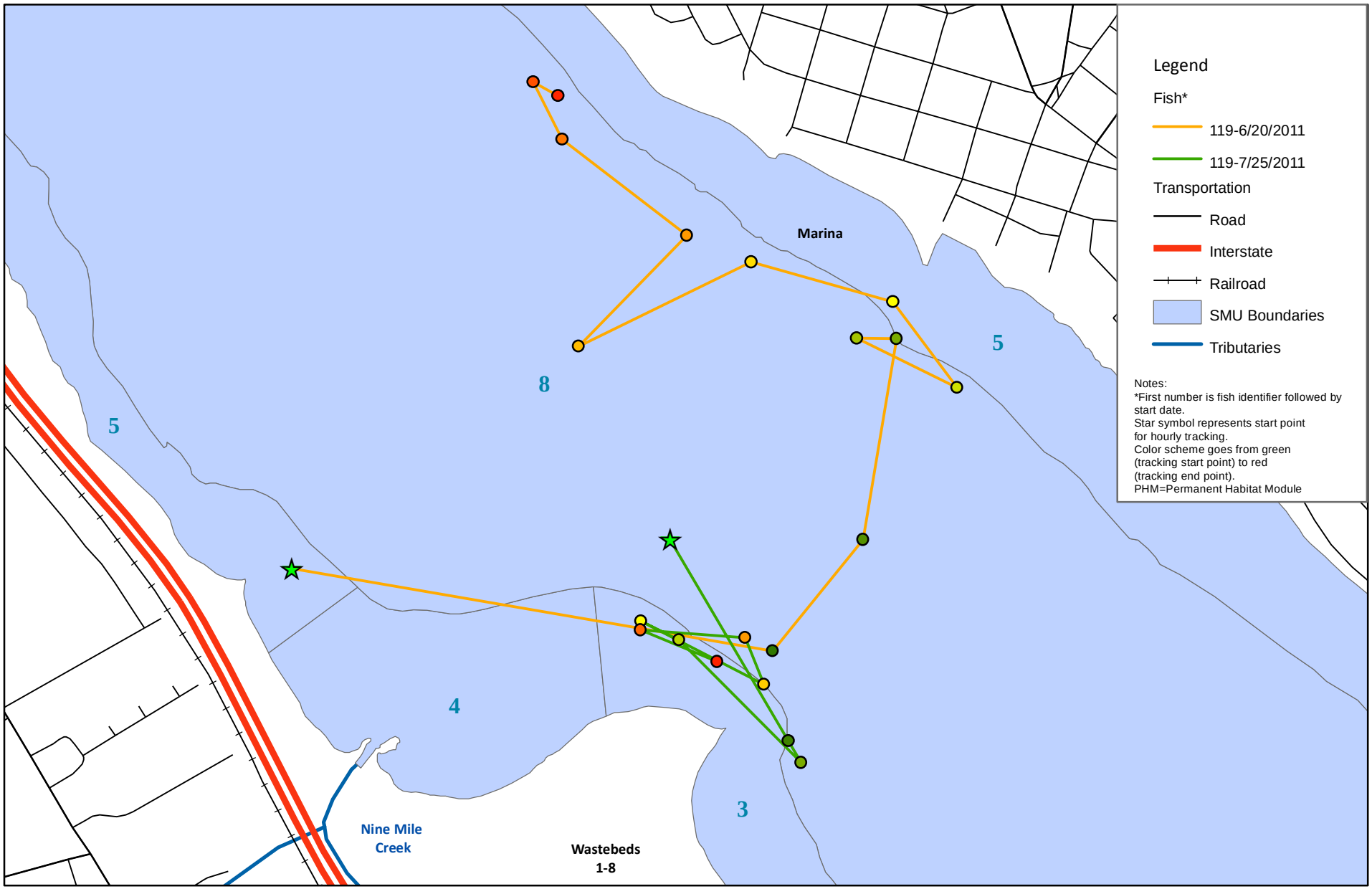
ANCHOR QEA

Honeywell PARSONS

N W E S

0 690 1,380 Feet

Figure 15d
Walleye movement during 2011 based on hourly tracking.

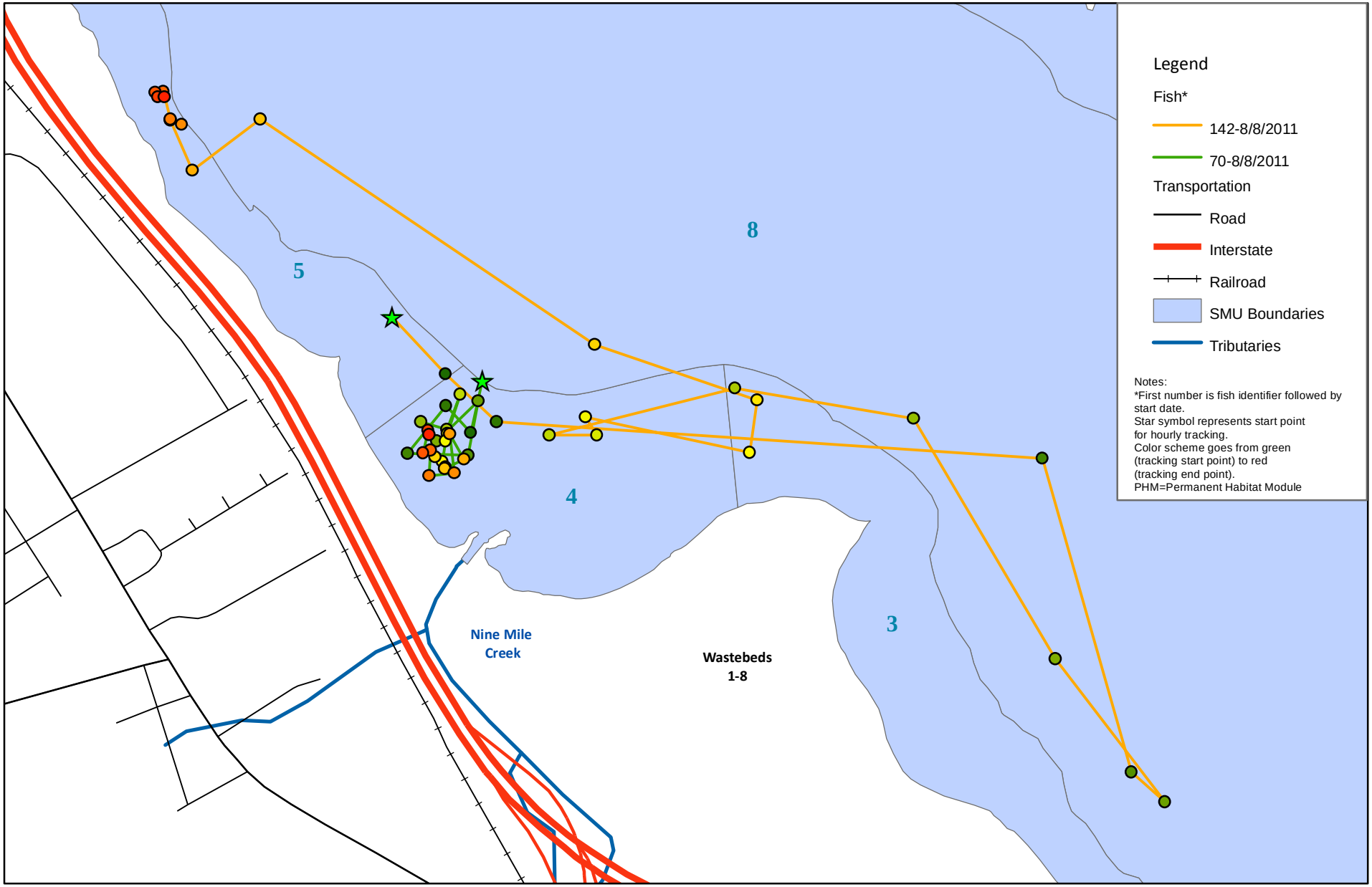


ANCHOR QEA
Honeywell
PARSONS

N
W
E
S

0 1,200 2,400 Feet

Figure 15e
Walleye movement during 2011 based on hourly tracking.



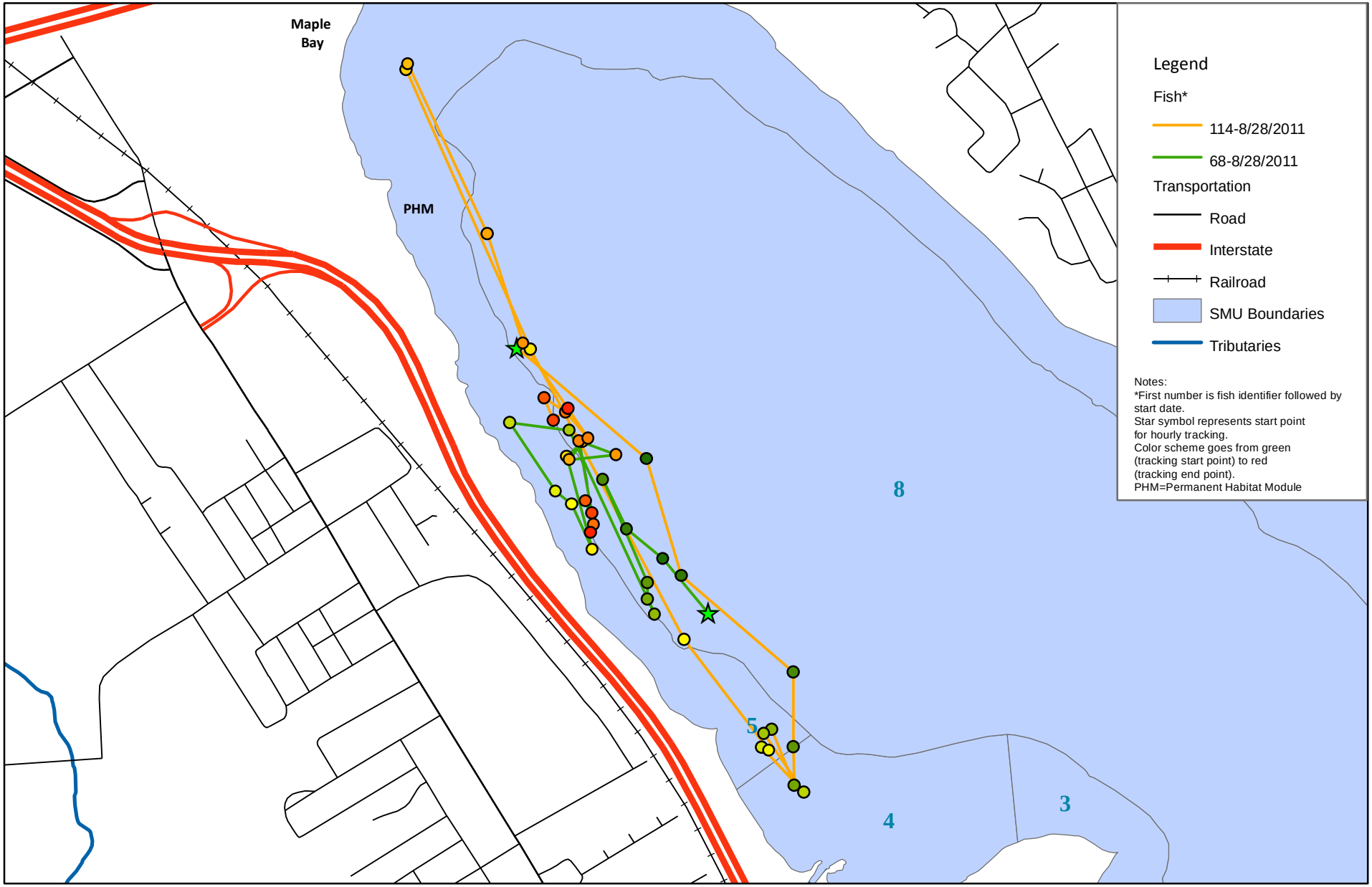
ANCHOR QEA

Honeywell PARSONS

N W E S

0 1,100 2,200 Feet

Figure 15f
Walleye movement during 2011 based on hourly tracking.



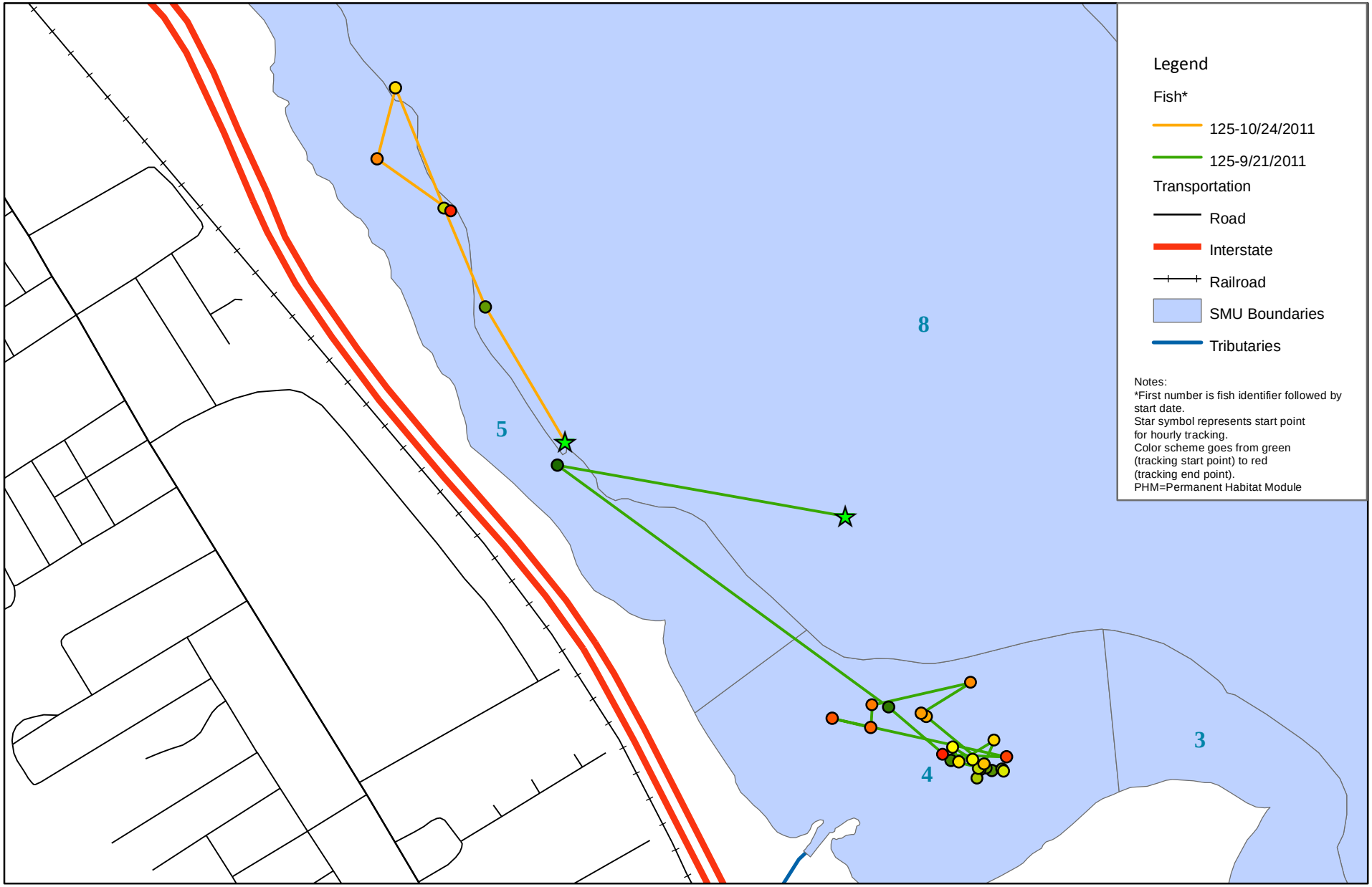
ANCHOR QEA

Honeywell PARSONS

N W E S

0 1,400 2,800 Feet

Figure 15g
Walleye movement during 2011 based on hourly tracking.



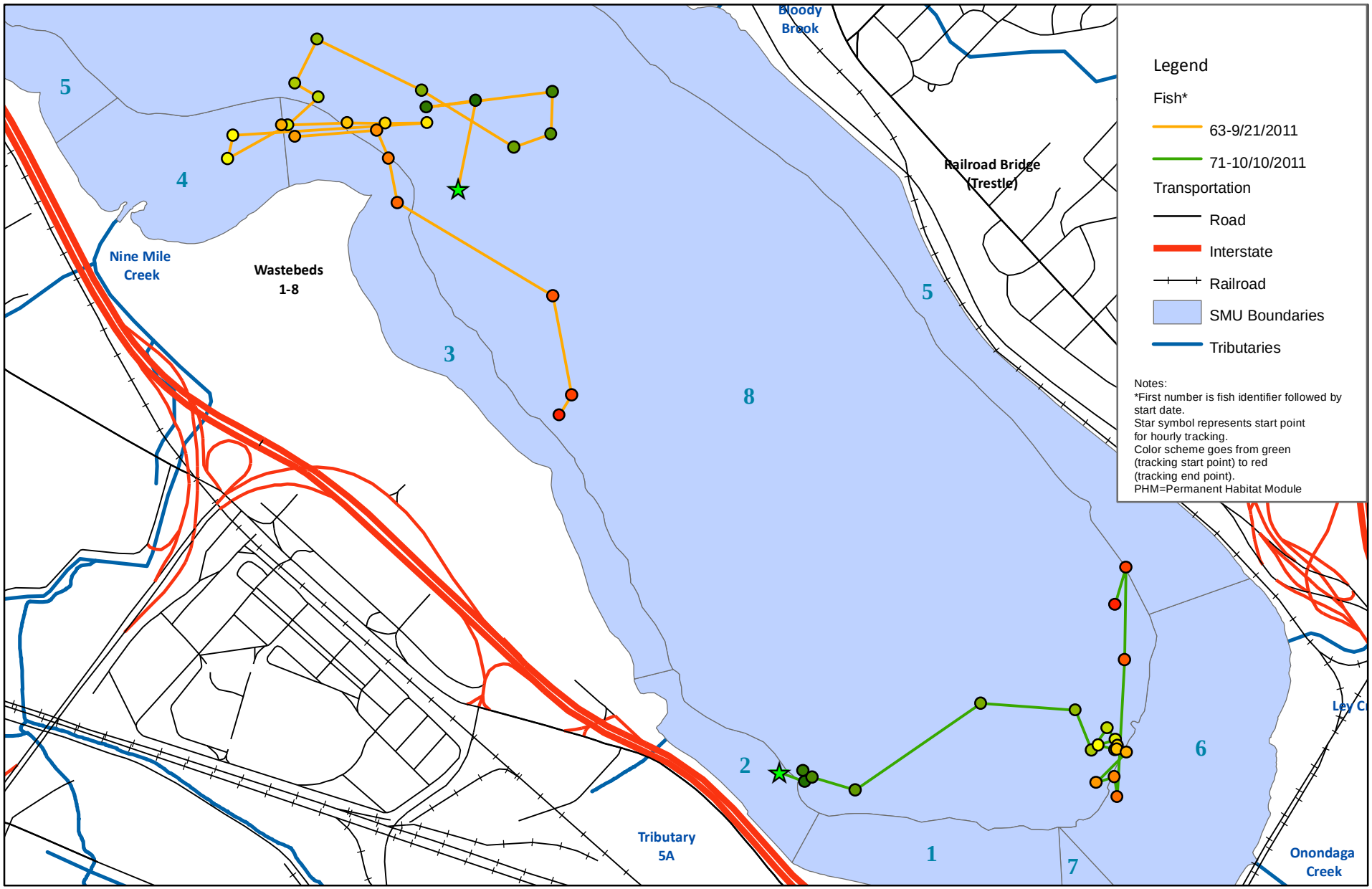
ANCHOR QEA

Honeywell PARSONS

N W E S

0 940 1,880 Feet

Figure 15h
Walleye movement during 2011 based on hourly tracking.



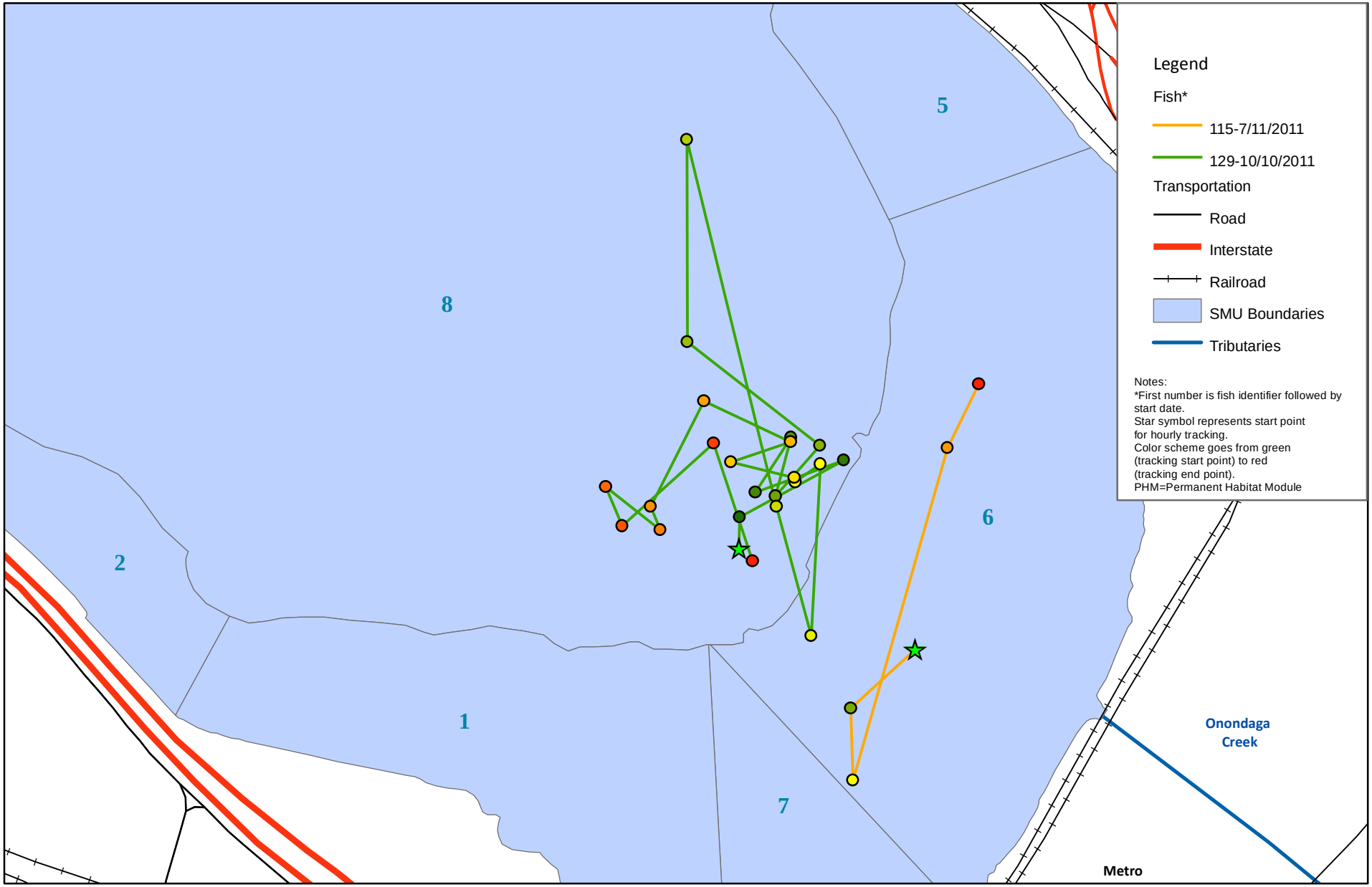
ANCHOR QEA

Honeywell PARSONS

N W E S

0 1,700 3,400 Feet

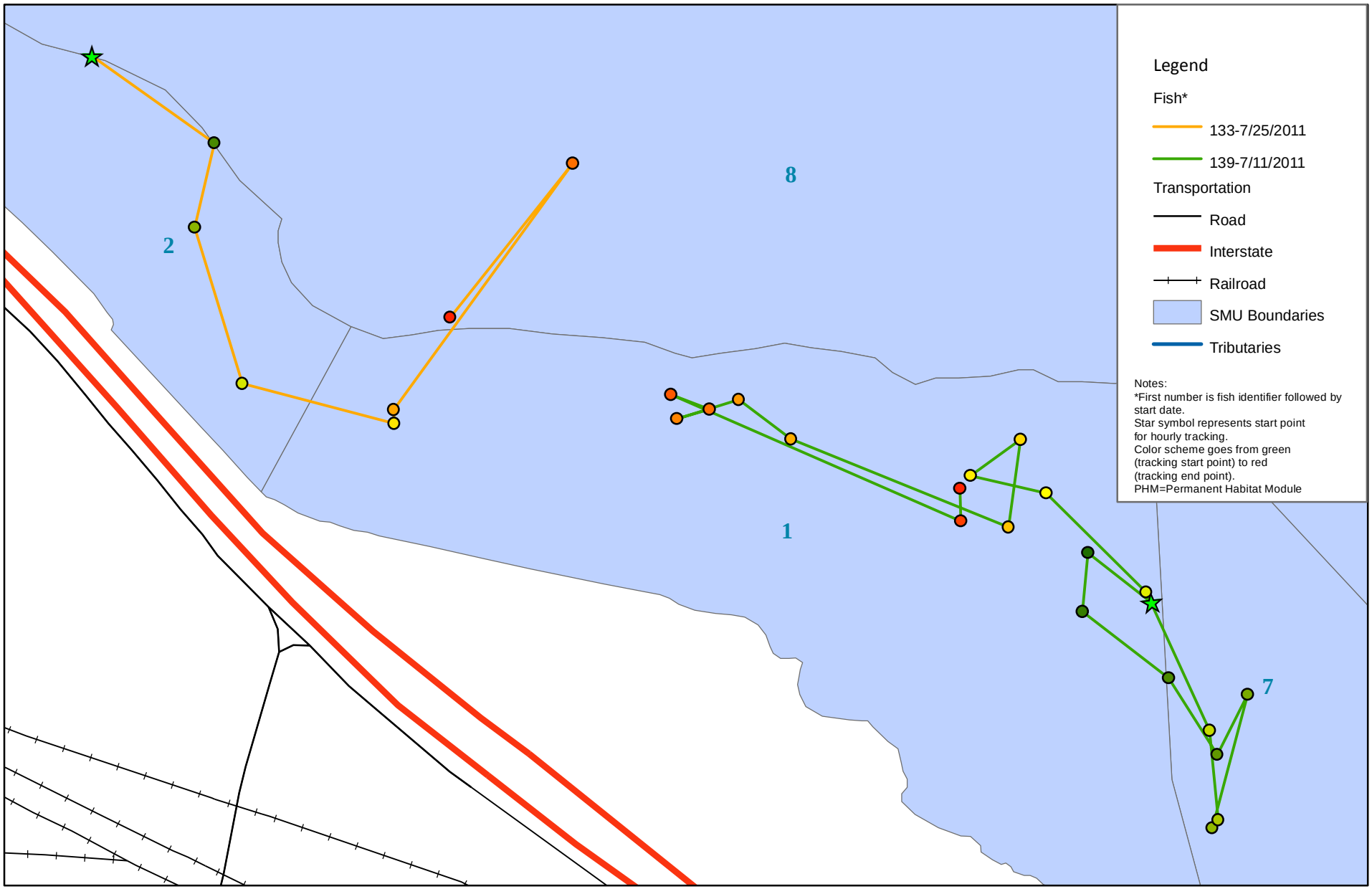
Figure 15i
Walleye movement during 2011 based on hourly tracking.



N
W E
S

0 860 1,720
Feet

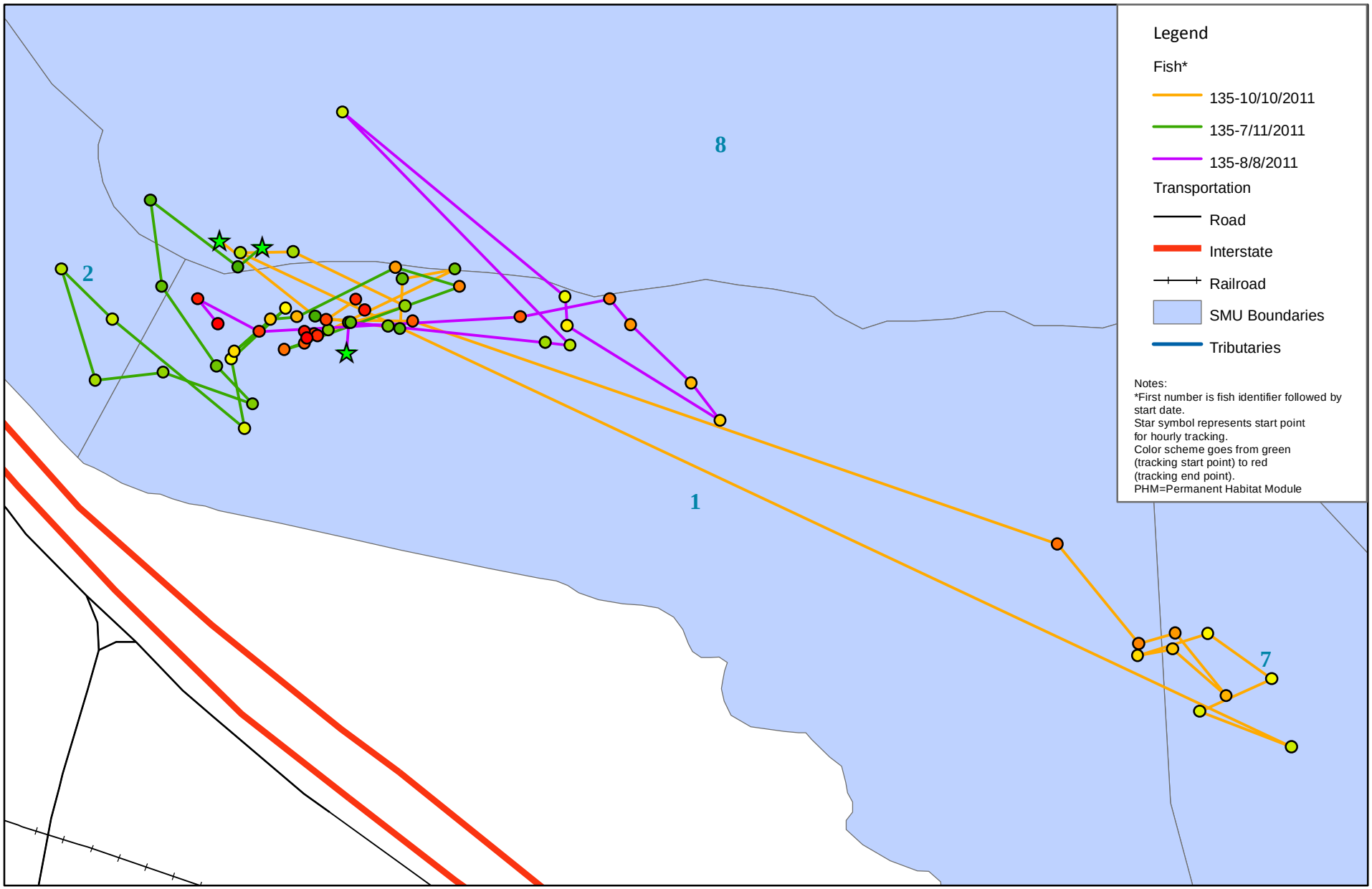
Figure 15j
Walleye movement during 2011 based on hourly tracking.



N
W E
S

0 520 1,040
Feet

Figure 16a
Smallmouth Bass Movement During 2011 Based on Hourly Tracking.



ANCHOR QEA

Honeywell PARSONS

N W E S

0 425 850 Feet

Figure 16b
Smallmouth Bass Movement During 2011 Based on Hourly Tracking.

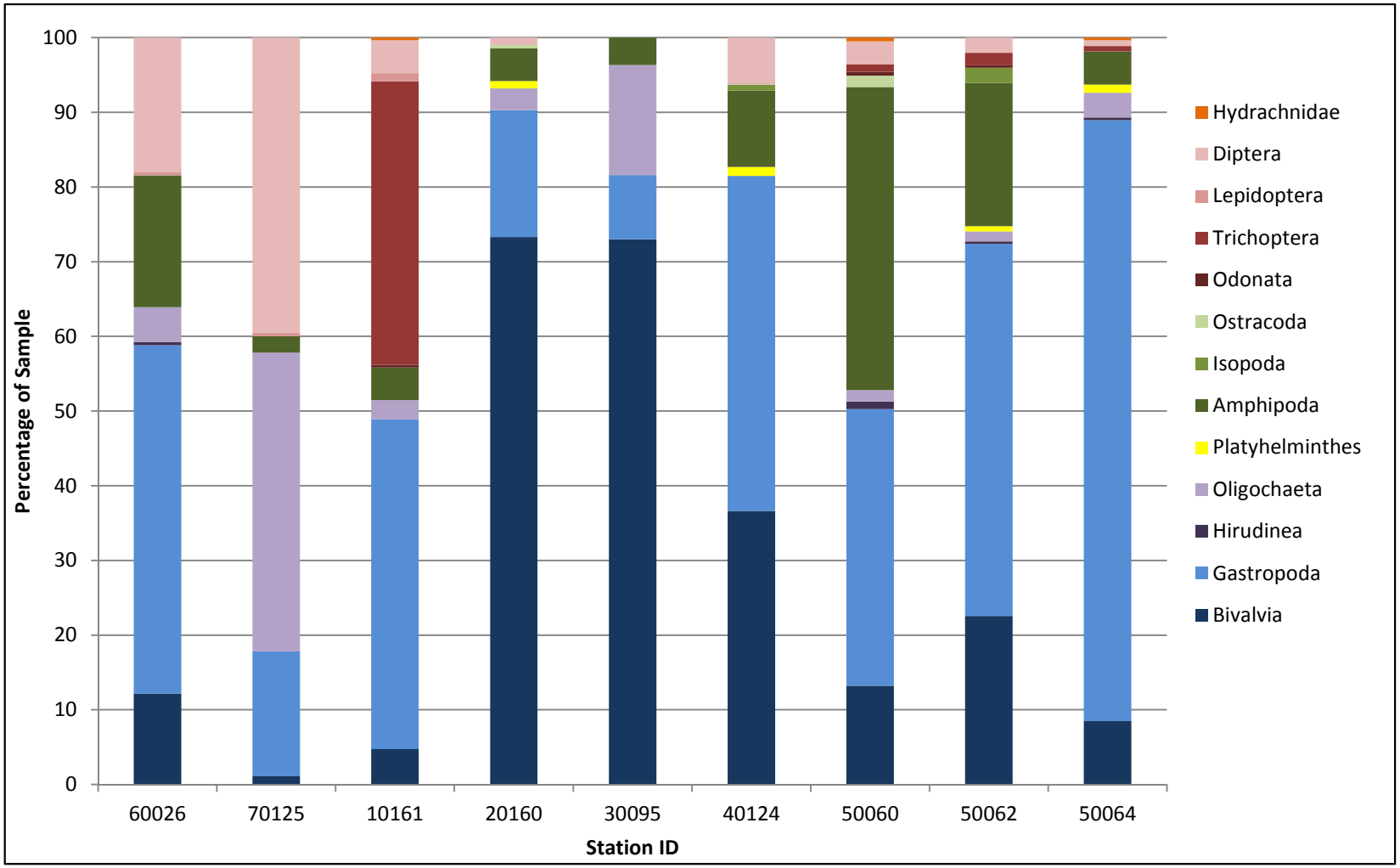
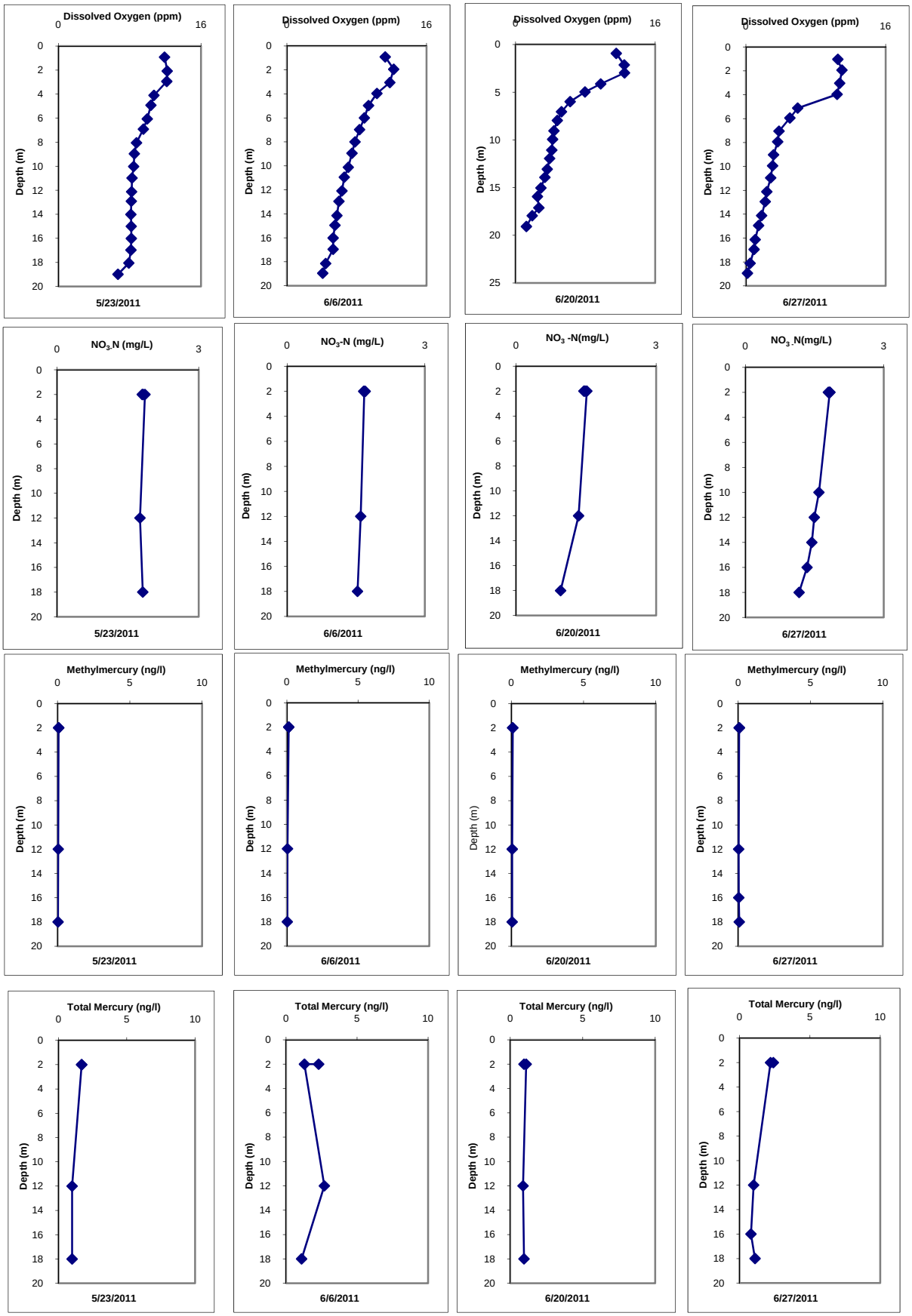


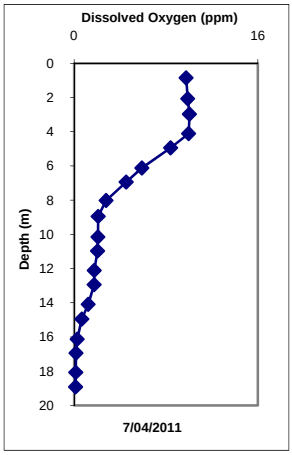
Figure 17.
Phytophilous Macroinvertebrate Community from Locations in Onondaga Lake - August 2011.

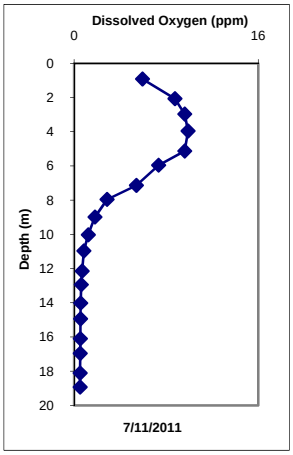
Note: data based on the sum of three replicates at each location, except OL-STA-50060 which had two replicates.

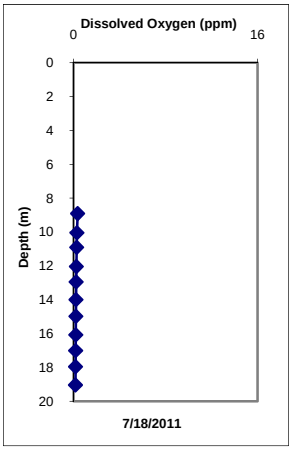
2011 Water Quality Results: South Deep

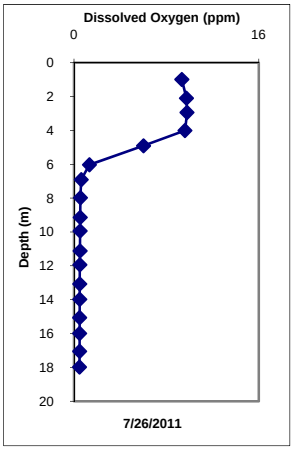


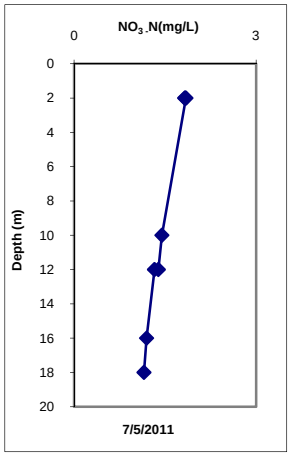
2011 Water Quality Results: South Deep

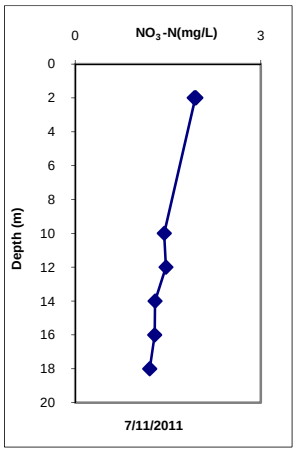


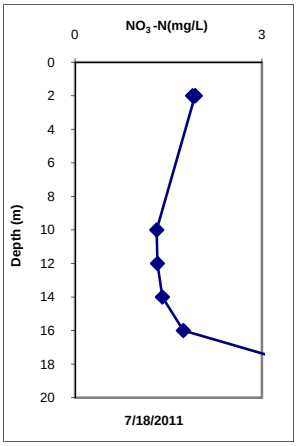


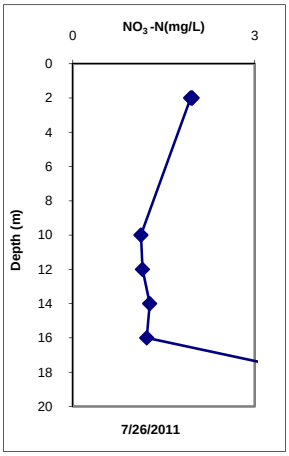


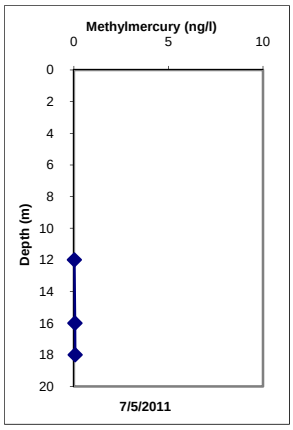


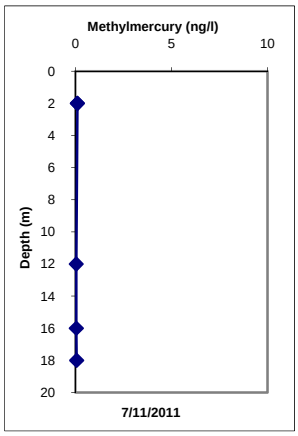


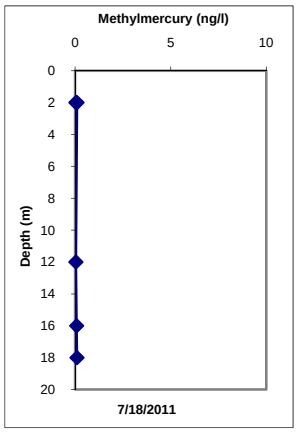


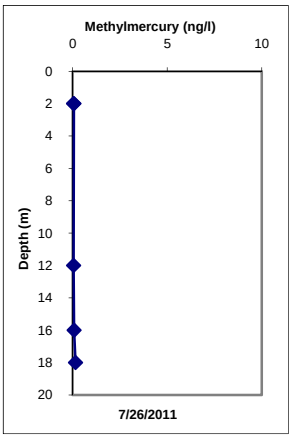


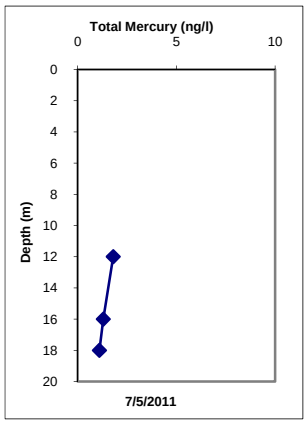


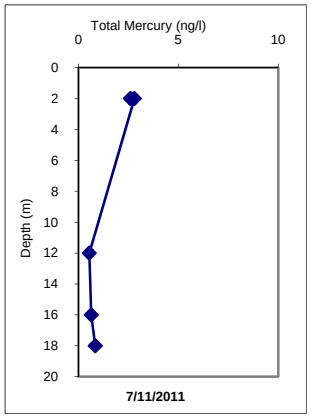


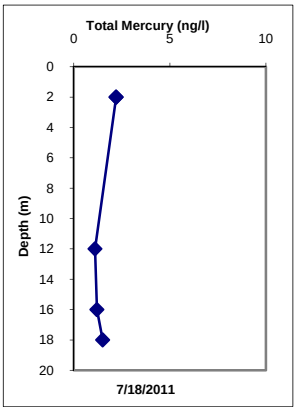


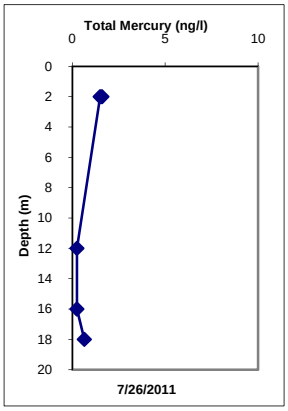




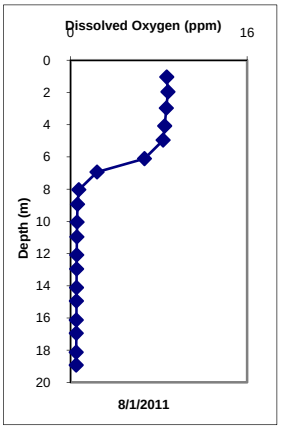


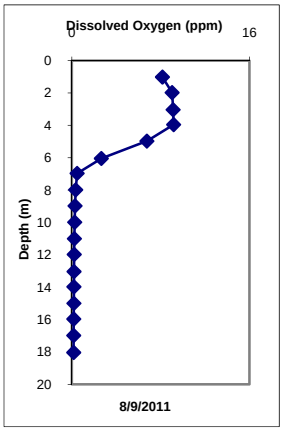


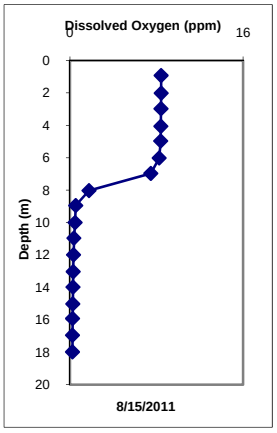


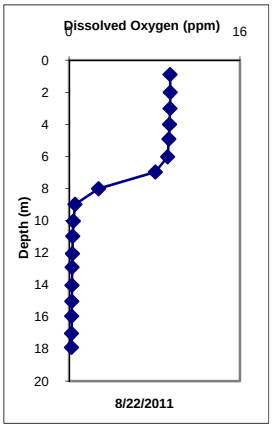


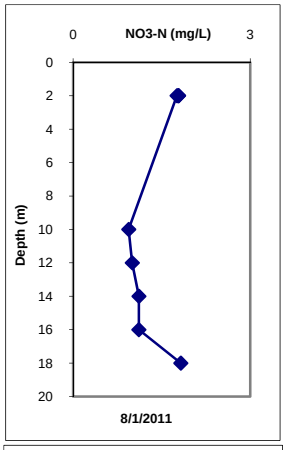
2011 Water Quality Results: South Deep

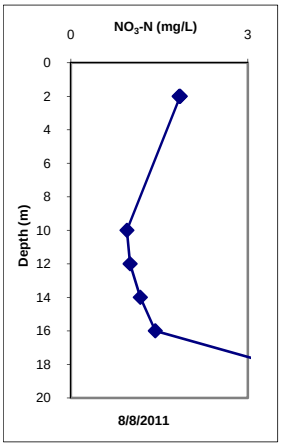


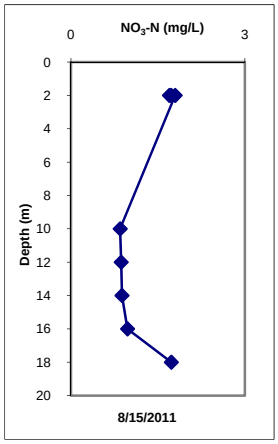


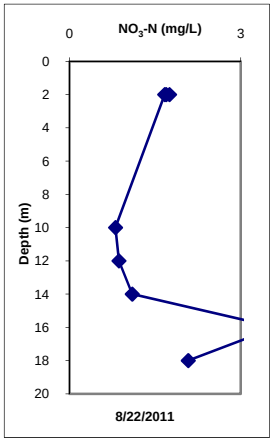


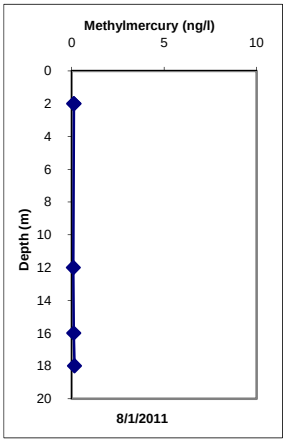


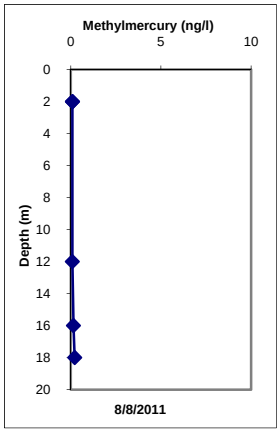


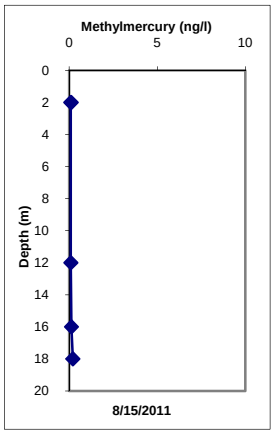


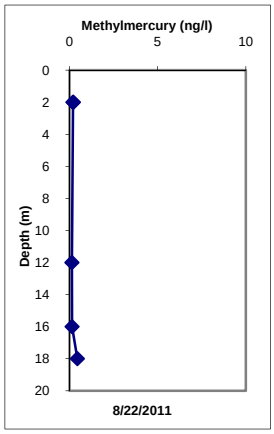


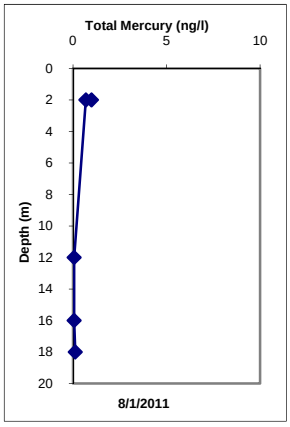


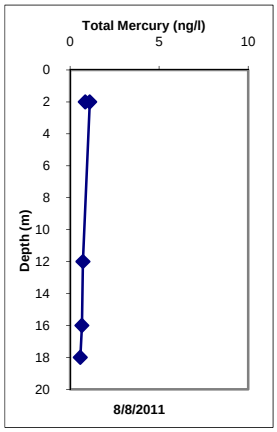


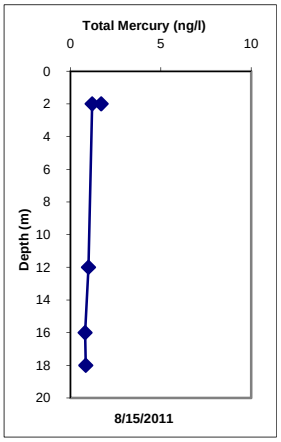


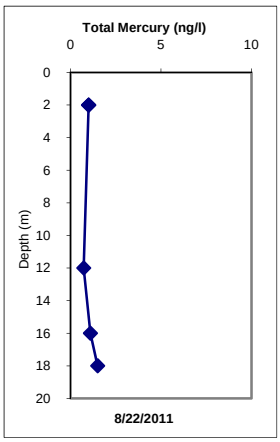












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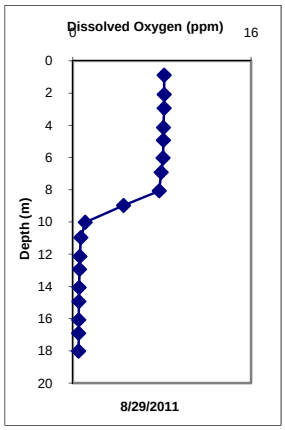

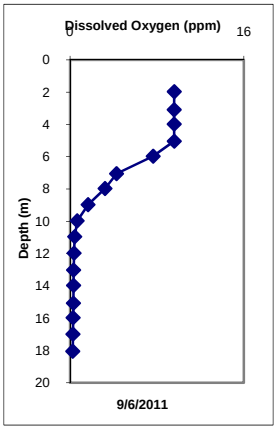

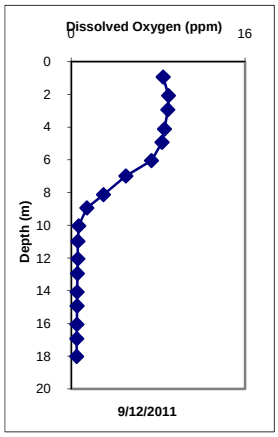

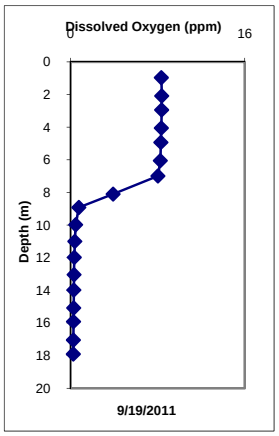

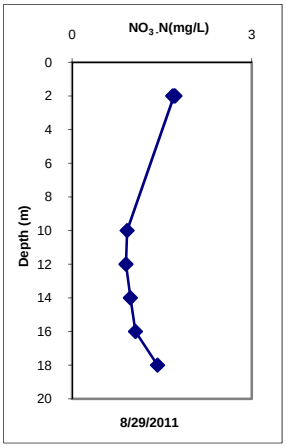

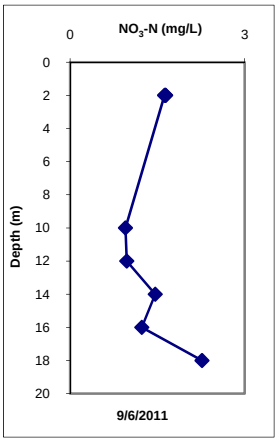

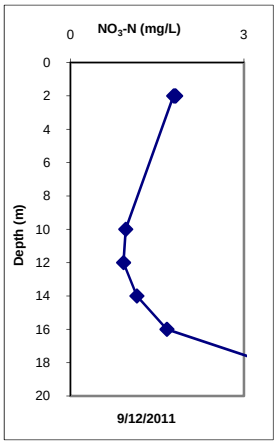

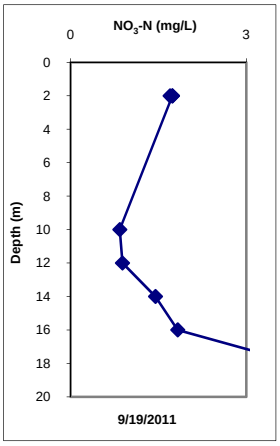

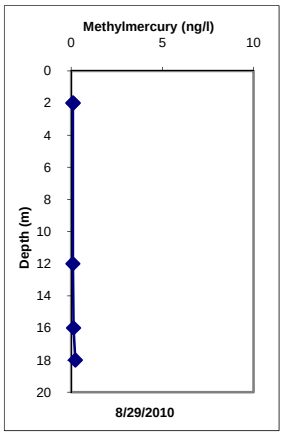

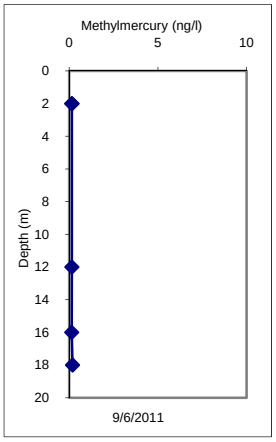

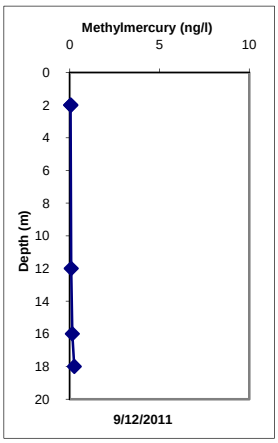

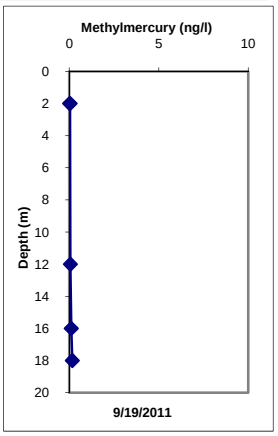

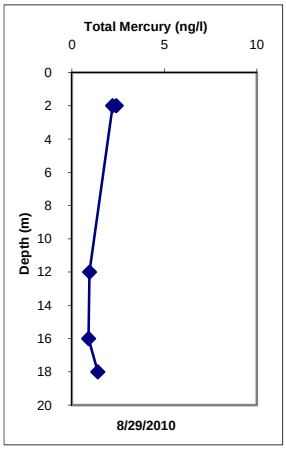

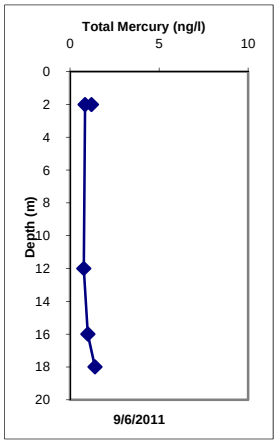

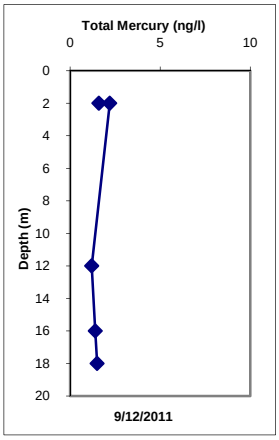

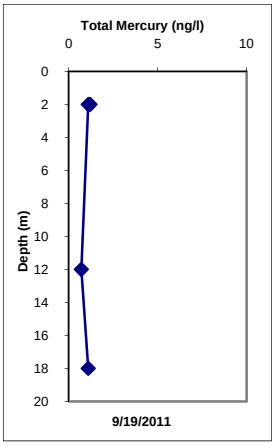

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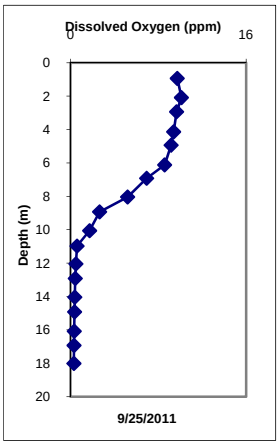

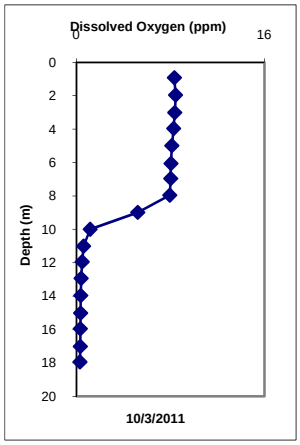

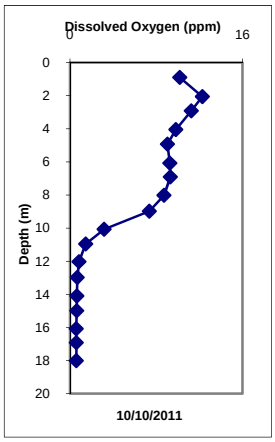

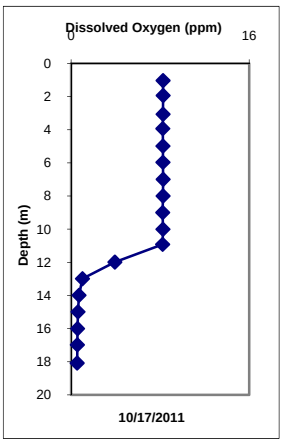

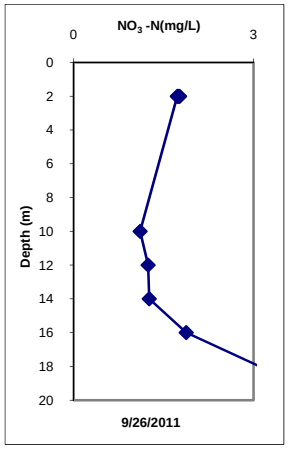

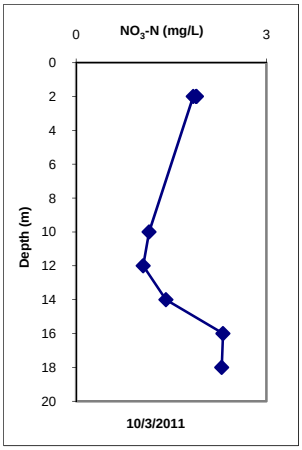

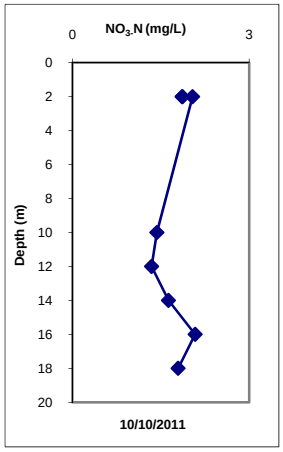

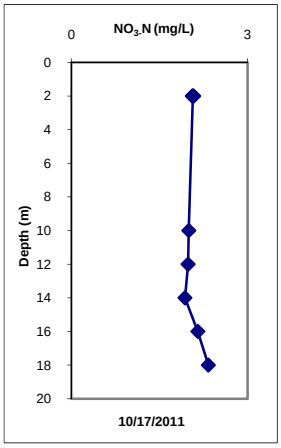

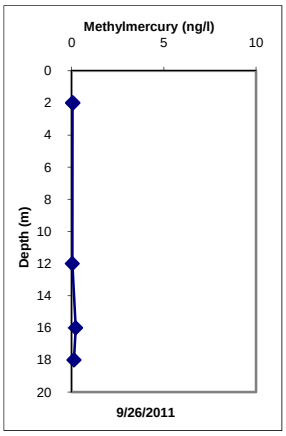

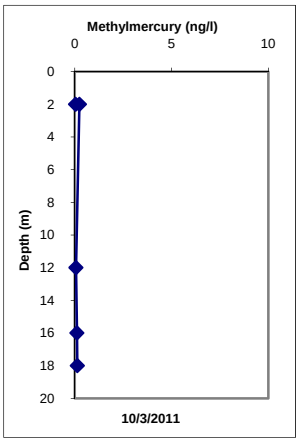

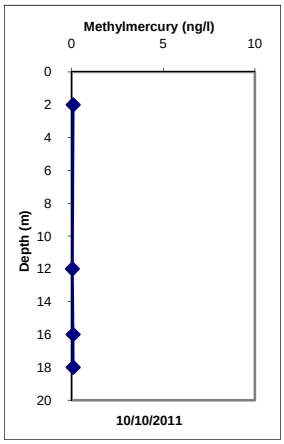

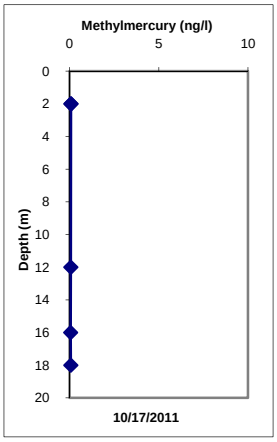

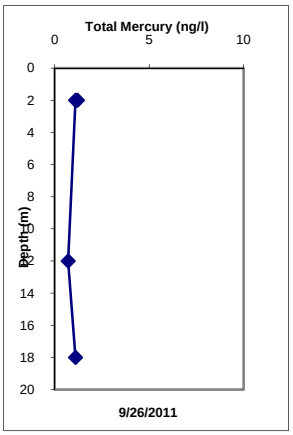

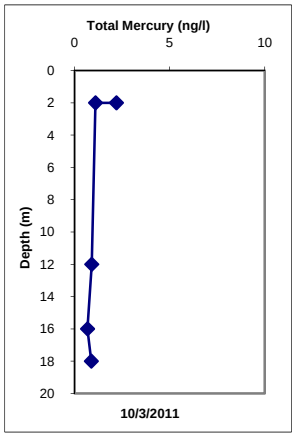

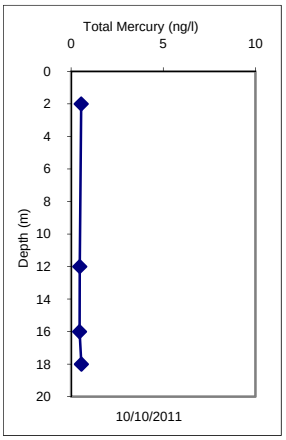

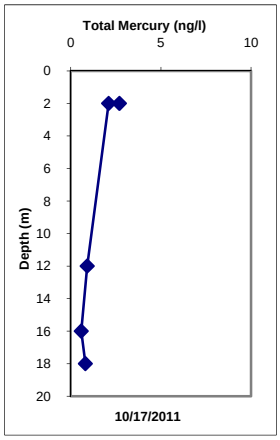

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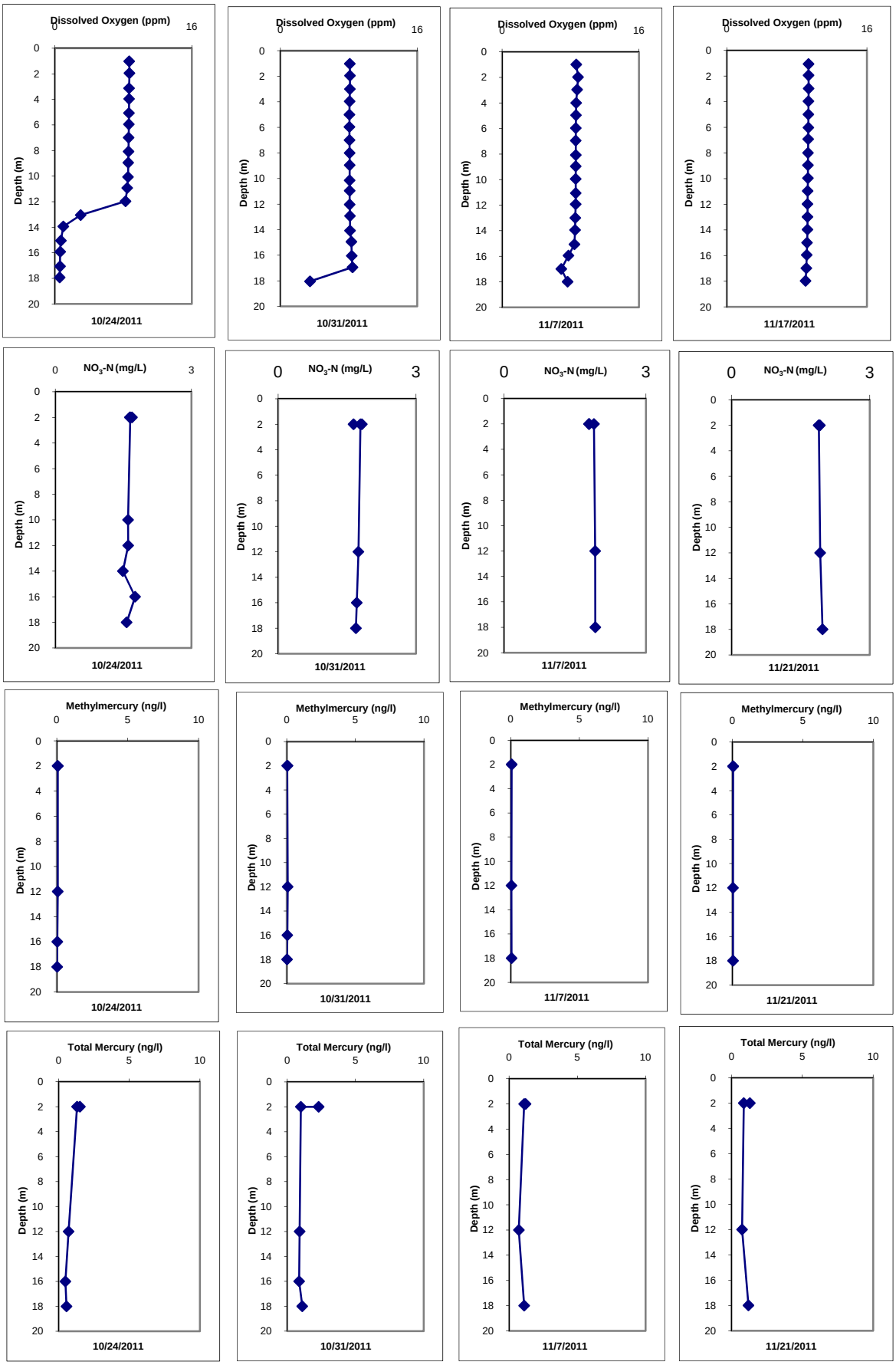

APPENDIX C:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 3 FOR 2011: TRIBUTARY MONITORING

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LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR STORM WATER MONITORING SAMPLES

SECTION C1

DATA USABILITY SUMMARY

Surface water samples were collected as part of the Book 3 baseline monitoring efforts for Onondaga Lake from June 15, 2011 through November 29, 2011. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Book 3 Work Plan,
- Onondaga Lake Baseline Monitoring Book 3 QAPP (Appendix B of the Work Plan), and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratories for this project were Test America Laboratories (TAL) and Upstate Freshwater Institute (UFI). These laboratories are certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and through the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

C1.1 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 7 to 57 days on average 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 C2.

C1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, shipped under a COC record, and received at the laboratories within one to two days of sampling.

C1.3 LABORATORY ANALYTICAL METHODS

The tributary surface water samples were collected and analyzed for total and dissolved low level mercury, methylmercury, total suspended solids (TSS), and turbidity. The surface water samples collected for the storm water monitoring were analyzed for total low level mercury,

methylmercury, TSS, and turbidity. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections C1.3.1 through C1.3.4. 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 C2. 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, and

"R" - unusable value.

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

C1.3.1 Low Level Mercury Analysis

The surface water samples collected from the site were analyzed by TAL for total and/or dissolved low level mercury using the USEPA 1631E analytical method. Certain reported results for the low level mercury samples were qualified as estimated based upon matrix spike recoveries and field duplicate precision. The reported low level mercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

C1.3.2 Methylmercury Analysis

The surface water samples collected from the site were analyzed by TAL for methylmercury using the USEPA 1630 analytical method. Certain reported results for the methylmercury samples were qualified as estimated based upon surrogate recoveries and matrix spike recoveries. The reported methylmercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

C1.3.3 TSS and Turbidity Analyses

The surface water samples collected from the site were analyzed for TSS and turbidity by TAL and UFI using the SM18/20 2540D and 2130B analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon laboratory duplicate precision. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by TAL and UFI.

SECTION C2

DATA VALIDATION REPORTS

C2.1 TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing tributary base flow surface water samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-1. All of these samples were 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.

C2.1.1 Total and Dissolved Low Level Mercury

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

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

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

Blank Contamination

Many initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.135 to 0.281 ng/L and dissolved mercury at a concentration below the reporting limit ranging from 0.128 to 0.308 ng/L. Many field blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.12 to 0.38 ng/L and dissolved mercury at a concentration below the reporting limit ranging from 0.15 to 0.28 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the associated samples.

It was noted that field blank OL-1465-01 associated with samples within sample delivery group (SDG) 240-2745-1 contained total and dissolved mercury at concentrations of 0.89 and 0.71 ng/L, respectively; and the field blank OL-1479-01 associated with samples within SDG 240-3171-1 contained total mercury at a concentration at 0.5 ng/L. Since contamination of the field blank water from the laboratory is suspected for these field blank samples, the contamination detected in these blanks was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the laboratory QC limit of 71-125%R for all designated project spiked samples with the exception of the low MS/MSD recoveries for total mercury (56%R/60%R) and dissolved mercury (70%R/69%R) associated with samples contained within SDG 240-2293-1; the high MSD recovery for total mercury (137%R) associated with samples contained within SDG 240-2745-1; the low MS/MSD recoveries for total mercury (62%R) and dissolved mercury (70%R) associated with samples contained within SDG 240-3171-1; the high MS/MSD recoveries for total mercury (380%R/581%R) and the low MSD recovery for dissolved mercury (70%R) associated with samples contained within SDG 240-3576-1; the low MSD recovery for total mercury (47%R) associated with samples contained within SDG 240-4043-1; the low MS/MSD for total mercury (-39%R/-20%R) associated with samples contained within SDG 240-5108-1; and the high MS recovery for total mercury (205%R) associated with samples contained within SDG 240-5953-1. Therefore, the results for those samples where MS/MSD recoveries 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 results for those samples where MS/MSD recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples.

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 total mercury precision results for the field duplicate pairs OL-1430-03/-04 (62%RPD), OL-1465-03/-04 (74%RPD), OL-1639-03/-04 (133%RPD), OL-1651-03/-04 (124%RPD), and OL-1658-03/-04 (113%RPD); and the dissolved mercury precision result for the field duplicate pair OL-1493-03/-04 (68%RPD). The mercury results were considered estimated and qualified "J" for these samples.

Usability

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

Summary

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

C2.1.2 Methylmercury

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

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

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

Surrogate Recoveries

All sample surrogate recoveries for n-propyl mercury chloride (QC limit 50-150%R) were considered acceptable and within the QC limit with the exception of the low surrogate recovery in samples OL-1610-03 (20%R), OL-1651-03 (42%R), OL-1658-02 (45%R), -03 (40%R), -04 (39%R), and -05 (18%R). Therefore, the methylmercury results for these samples were considered estimated, possibly biased low, and qualified "J" for the affected samples.

Blank Contamination

Many initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.0104 to 0.291 ng/L. Field blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.011 to 0.09 ng/L. Therefore, associated methylmercury results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

It was noted that the field blank OL-1479-01 associated with samples within SDG 240-3171-1 contained methylmercury at a concentration of 0.11 ng/L. Since contamination of the field blank water from the laboratory is suspected for this field blank sample, the contamination detected in this blank was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD methylmercury recoveries were considered acceptable and within the 65-135%R QC limit with the exception of the low MS recovery (59%R) associated with samples within SDG 240-3171-1; the low MS/MSD recoveries (43%R/49%R) associated with samples within SDG 240-4043-1; and the low MSD recovery (47%R) associated with samples within SDG 240-5953-1. Therefore, the methylmercury results were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

It was noted that the methylmercury MSD recovered -4% during the spiked analyses of sample OL-1666-03 with a laboratory spiked precision result of 181%RPD associated with samples contained within SDG 240-6341-1. Validation qualification of these samples was not warranted based upon a laboratory spiking error.

Usability

All methylmercury 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 methylmercury data presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-1.

C2.1.3 TSS and Turbidity

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.

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

C2.2 STORM WATER MONITORING SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing surface water samples collected from the site for the storm water monitoring. 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.

C2.2.1 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 blank, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The field equipment blank OL-1496-01 associated with storm water samples within SDG 240-3638-1 contained low level mercury below the reporting limit at 0.21 ng/L. Validation qualification of the project samples was not required since the samples were not affected by the contamination detected in this blank.

Usability

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

C2.2.2 Methylmercury

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

- Custody documentation
- Holding times

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

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and blank contamination as discussed below.

Surrogate Recoveries

All sample recoveries for the surrogate n-propyl mercury chloride were considered acceptable and within the 50-150%R QC limit with the exception of the low surrogate recovery in samples OL-1486-03 (20%R), -06 (37%R), and -08 (35%R). The methylmercury results for these samples were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Blank Contamination

The initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.0105 to 0.194 ng/L. Therefore, methylmercury results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Usability

All methylmercury sample results for the storm 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 methylmercury data

presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-2.

C2.2.3 TSS and Turbidity

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, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required with the exception of the turbidity results for samples OL-1495-01 through -17 were considered estimated and qualified "J" based upon the laboratory duplicate precision exceeding the QC limit.

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

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

			Field Sample ID	OL-1417-01		OL-1430-01		OL-1440-05		OL-1441-01		OL-1452-05		OL-1453-01		OL-1464-05		OL-1465-01
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC
			Sample Depth															
			Sample Date	6/15/2011		6/29/2011		7/12/2011		7/12/2011		7/27/2011		7/27/2011		8/9/2011		8/9/2011
			SDG	240-1165-1		240-1582-1		UFICHM2011-028		240-1882-1		UFICHM2011-033		240-2293-1		UFICHM2011-039		240-2745-1
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)
Method	Parameter Name	Units	Filtered															
E1630	METHYL MERCURY	ug/L	N	1.10E-05	J	1.10E-05	J			5.00E-05	U			5.00E-05	U			9.00E-05
E1631	MERCURY	ug/L	N	0.00012	U	0.00036	J			0.0005	U			0.0002	J			0.00089	J
E1631	MERCURY	ug/L	Y	0.00012	U	0.00012	U			0.00012	U			0.00012	UJ			0.00071
SM2540D	Total Suspended Solids	mg/L	N															
UFI SOP	Total Suspended Solids	mg/L	N					2.5	U			2.5	U			2.5	U	
UFI SOP	TURBIDITY	NTU	N					0.8	U			0.2	J			0.8	U	

			Field Sample ID	OL-1478-05		OL-1479-01		OL-1492-05		OL-1493-01		OL-1609-05		OL-1610-01		OL-1625-05		OL-1626-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	8/24/2011		8/24/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		10/5/2011		10/5/2011	
			SDG	UFICHM2011-044		240-3171-1		UFICHM2011-050		240-3576-1		UFICHM2011-058		240-4043-1		UFICHM2011-062		240-4570-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.10E-04	J			1.00E-05	U			1.00E-05	UJ			1.80E-05	J
E1631	MERCURY	ug/L	N			0.0005	J			0.00012	UJ			0.00012	UJ			0.00031	J
E1631	MERCURY	ug/L	Y			0.0005	UJ			0.00028	J			0.00012	U				
SM2540D	Total Suspended Solids	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			2.5	U			2.5	U			2.5	U		
UFI SOP	TURBIDITY	NTU	N	0.3	J			0.3	J			0.8	U			0.8	U		

			Field Sample ID	OL-1638-05		OL-1639-01		OL-1650-05		OL-1651-01		OL-1657-05		OL-1658-01		OL-1665-05		OL-1666-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011	
			SDG	UFICHM2011-067		240-5108-1		UFICHM2011-071		240-5566-1		UFICHM2011-076		240-5953-1		UFICHM2011-079		240-6341-1	
			Matrix	Water		WATER		Water		WATER		Water		WATER		Water		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.10E-05	J			5.00E-05	U			1.00E-05	UJ			5.00E-05	U
E1631	MERCURY	ug/L	N			0.00038	J			0.00032	J			0.0005	UJ			0.0005	U
E1631	MERCURY	ug/L	Y																
SM2540D	Total Suspended Solids	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			2.5	U			2.5	U			2.5	U		
UFI SOP	TURBIDITY	NTU	N	0.8	U			0.2	J			0.4	J			0.2	J		

			Field Sample ID	OL-1667-05	OL-1418-01	OL-1419-02	OL-1420-01	OL-1429-01	OL-1431-01	OL-1440-01	OL-1442-01	OL-1443-02
			Location	FIELD QC	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park
			Sample Depth		0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT
			Sample Date	11/29/2011	6/15/2011	6/15/2011	6/15/2011	6/28/2011	6/29/2011	7/12/2011	7/12/2011	7/12/2011
			SDG	180-6293-1	180-1138-1	180-1138-2	UFICHM2011-021	UFICHM2011-024	180-1574-1	UFICHM2011-028	180-1902-1	180-1903-1
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Field blank	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
			Sample Type	Blank water (field)	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									
E1631	MERCURY	ug/L	N									
E1631	MERCURY	ug/L	Y									
SM2540D	Total Suspended Solids	mg/L	N		14				22		11	
UFI SOP	Total Suspended Solids	mg/L	N				13.5	21.1		10.9		
UFI SOP	TURBIDITY	NTU	N				14.4	22.3		12.9		

			Field Sample ID	OL-1452-01	OL-1454-01	OL-1455-02	OL-1464-01	OL-1466-01	OL-1478-01	OL-1480-01	OL-1492-01	OL-1494-01
			Location	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park
			Sample Depth	0-0 Ft	0-0 FT	0-0 FT	0-0 Ft	0-0 FT	0-0 Ft	0-0 FT	0-0 Ft	0-0 FT
			Sample Date	7/27/2011	7/27/2011	7/27/2011	8/9/2011	8/9/2011	8/24/2011	8/24/2011	9/7/2011	9/7/2011
			SDG	UFICHM2011-033	180-2422-1	180-2422-1	UFICHM2011-039	180-2865-1	UFICHM2011-044	180-3412-1	UFICHM2011-050	180-3715-1
			Matrix	WATER	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	Regular sample
			Sample Type	Surface water	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									
E1631	MERCURY	ug/L	N									
E1631	MERCURY	ug/L	Y									
SM2540D	Total Suspended Solids	mg/L	N		4			36		12		12
UFI SOP	Total Suspended Solids	mg/L	N	6.2			27.9		11.5		12.7	
UFI SOP	TURBIDITY	NTU	N	6.9			27.3		12.1		10	

			Field Sample ID	OL-1609-01		OL-1611-01		OL-1625-01		OL-1627-01		OL-1638-01	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 Ft		0-0 FT		0-0 Ft		0-0 FT		0-0 FT	
			Sample Date	9/20/2011		9/20/2011		10/5/2011		10/5/2011		10/20/2011	
			SDG	UFICHM2011-058		180-4164-1		UFICHM2011-062		180-4640-1		UFICHM2011-067	
			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										
E1631	MERCURY	ug/L	N										
E1631	MERCURY	ug/L	Y										
SM2540D	Total Suspended Solids	mg/L	N			9.2				5.2			
UFI SOP	Total Suspended Solids	mg/L	N	8.3				6.5				31.9	
UFI SOP	TURBIDITY	NTU	N	7.7				6.9				35.1	

			Field Sample ID	OL-1640-01		OL-1650-01		OL-1652-01		OL-1657-01		OL-1659-01		OL-1665-01		OL-1667-01		OL-1417-02		OL-1418-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	-		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/20/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011		6/15/2011		6/15/2011	
			SDG	180-5136-1		UFICHM2011-071		180-5591-1		UFICHM2011-076		180-5982-1		UFICHM2011-079		180-6293-1		240-1165-1		180-1138-1	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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															8.40E-05			
E1631	MERCURY	ug/L	N															0.0038			
E1631	MERCURY	ug/L	Y															0.0005	U		
SM2540D	Total Suspended Solids	mg/L	N	29				3.6	J			15				10				9.2	
UFI SOP	Total Suspended Solids	mg/L	N			6.8				18.3				9.1							
UFI SOP	TURBIDITY	NTU	N			8.5				18.1				8.4							

			Field Sample ID	OL-1420-02		OL-1429-02		OL-1430-02		OL-1431-02		OL-1440-02		OL-1441-02		OL-1442-02		OL-1452-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	6/15/2011		6/28/2011		6/29/2011		6/29/2011		7/12/2011		7/12/2011		7/12/2011		7/27/2011	
			SDG	UFICHM2011-021		UFICHM2011-024		240-1582-1		180-1574-1		UFICHM2011-028		240-1882-1		180-1902-1		UFICHM2011-033	
			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	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N					8.80E-05						8.50E-05					
E1631	MERCURY	ug/L	N					0.0019						0.00072					
E1631	MERCURY	ug/L	Y					0.00047	J					0.00036	J				
SM2540D	Total Suspended Solids	mg/L	N							17						4			
UFI SOP	Total Suspended Solids	mg/L	N	18.4		23.5						7.5						6.5	
UFI SOP	TURBIDITY	NTU	N	9.3		16.4						7.2						3.9	

			Field Sample ID	OL-1453-02		OL-1454-02		OL-1464-02		OL-1465-02		OL-1466-02		OL-1478-02		OL-1479-02		OL-1480-02		OL-1492-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011		8/24/2011		8/24/2011		9/7/2011	
			SDG	240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		180-2865-1		UFICHM2011-044		240-3171-1		180-3412-1		UFICHM2011-050	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	8.10E-05						1.60E-04						1.80E-04	J				
E1631	MERCURY	ug/L	N	0.00079	J					0.003	J					0.0012	J				
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.00039	J					0.0005	UJ				
SM2540D	Total Suspended Solids	mg/L	N			16						30						6.8			
UFI SOP	Total Suspended Solids	mg/L	N					26.3						8.7						11.4	
UFI SOP	TURBIDITY	NTU	N					22.8						4.8						6.8	

			Field Sample ID	OL-1493-02		OL-1494-02		OL-1609-02		OL-1610-02		OL-1611-02		OL-1625-02		OL-1626-02		OL-1627-02		OL-1638-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		10/5/2011		10/5/2011		10/5/2011		10/20/2011	
			SDG	240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		180-4164-1		UFICHM2011-062		240-4570-1		180-4640-1		UFICHM2011-067	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	3.00E-04	U					5.60E-05	J					6.40E-05					
E1631	MERCURY	ug/L	N	0.00086	J					0.0011	J					0.0012					
E1631	MERCURY	ug/L	Y	0.00071	J					0.00027	J										
SM2540D	Total Suspended Solids	mg/L	N			7.6						4						14			
UFI SOP	Total Suspended Solids	mg/L	N					5.6						12.1						15.2	
UFI SOP	TURBIDITY	NTU	N					4						6.7						10.5	

			Field Sample ID	OL-1639-02		OL-1640-02		OL-1650-02		OL-1651-02		OL-1652-02		OL-1657-02		OL-1658-02		OL-1659-02		OL-1665-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		-		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/15/2011		11/29/2011	
			SDG	240-5108-1		180-5136-1		UFICHM2011-071		240-5566-1		180-5591-1		UFICHM2011-076		240-5953-1		180-5982-1		UFICHM2011-079	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	9.50E-05						6.50E-05						7.70E-05	J				
E1631	MERCURY	ug/L	N	0.0018	J					0.0017						0.002	J				
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N			18						6						60			
UFI SOP	Total Suspended Solids	mg/L	N					8.1						7.3						8	
UFI SOP	TURBIDITY	NTU	N					5.7						85.7						4.9	

			Field Sample ID	OL-1666-02		OL-1667-02		OL-1417-03		OL-1417-04		OL-1418-03		OL-1420-03		OL-1429-03		OL-1430-03		OL-1430-04	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/29/2011		11/29/2011		6/15/2011		6/15/2011		6/15/2011		6/15/2011		6/28/2011		6/29/2011		6/29/2011	
			SDG	240-6341-1		180-6293-1		240-1165-1		240-1165-1		180-1138-1		UFICHM2011-021		UFICHM2011-024		240-1582-1		240-1582-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		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		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	4.70E-05	J			8.30E-05		1.00E-04								1.10E-04		9.00E-05	
E1631	MERCURY	ug/L	N	0.00082				0.003		0.0037								0.0057	J	0.003	J
E1631	MERCURY	ug/L	Y					0.0005	U	0.0005	U							0.00019	J	0.00028	J
SM2540D	Total Suspended Solids	mg/L	N			3.6	J					6.8									
UFI SOP	Total Suspended Solids	mg/L	N											9.2		13					
UFI SOP	TURBIDITY	NTU	N											6.1		9.6					

			Field Sample ID	OL-1431-03		OL-1440-03		OL-1441-03		OL-1441-04		OL-1442-03		OL-1452-03		OL-1453-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT	
			Sample Date	6/29/2011		7/12/2011		7/12/2011		7/12/2011		7/12/2011		7/27/2011		7/27/2011	
			SDG	180-1574-1		UFICHM2011-028		240-1882-1		240-1882-1		180-1902-1		UFICHM2011-033		240-2293-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					5.50E-05		6.80E-05						7.50E-05	
E1631	MERCURY	ug/L	N					0.00081		0.00071						0.0009	J
E1631	MERCURY	ug/L	Y					0.00048	J	0.00062						0.0005	UJ
SM2540D	Total Suspended Solids	mg/L	N	13								4					
UFI SOP	Total Suspended Solids	mg/L	N			8.5								6.7			
UFI SOP	TURBIDITY	NTU	N			6.4								5.3			

			Field Sample ID	OL-1453-04		OL-1454-03		OL-1464-03		OL-1465-03		OL-1465-04		OL-1466-03		OL-1478-03		OL-1479-03		OL-1479-04	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT	
			Sample Date	7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011		8/24/2011		8/24/2011	
			SDG	240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		240-2745-1		180-2865-1		UFICHM2011-044		240-3171-1		240-3171-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		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		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	8.00E-05						1.80E-04		1.80E-04						1.80E-04	J	1.80E-04	J
E1631	MERCURY	ug/L	N	0.00058	J					0.0012	J	0.0026	J					0.0018	J	0.0014	J
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.0005	U	0.0005	U					0.0005	UJ	0.0005	UJ
SM2540D	Total Suspended Solids	mg/L	N			3.6	J							43							
UFI SOP	Total Suspended Solids	mg/L	N					20.3								5.5					
UFI SOP	TURBIDITY	NTU	N					19								4.9					

			Field Sample ID	OL-1480-03		OL-1492-03		OL-1493-03		OL-1493-04		OL-1494-03		OL-1609-03		OL-1610-03		OL-1610-04		OL-1611-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/24/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		9/20/2011	
			SDG	180-3412-1		UFICHM2011-050		240-3576-1		240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		240-4043-1		180-4164-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		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		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N					3.00E-04	U	3.00E-04	U					4.30E-05	J	6.50E-05	J		
E1631	MERCURY	ug/L	N					0.0051	J	0.0034	J					0.0039	J	0.0037	J		
E1631	MERCURY	ug/L	Y					0.0015	J	0.00074	J					0.00015	J	0.00018	J		
SM2540D	Total Suspended Solids	mg/L	N	4.8								66								7.6	
UFI SOP	Total Suspended Solids	mg/L	N			66.8								9.8							
UFI SOP	TURBIDITY	NTU	N			61.4								5.9							

			Field Sample ID	OL-1625-03		OL-1626-03		OL-1626-04		OL-1627-03		OL-1638-03		OL-1639-03		OL-1639-04		OL-1640-03		OL-1650-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		-		0-0 FT	
			Sample Date	10/5/2011		10/5/2011		10/5/2011		10/5/2011		10/20/2011		10/20/2011		10/20/2011		10/20/2011		11/3/2011	
			SDG	UFICHM2011-062		240-4570-1		240-4570-1		180-4640-1		UFICHM2011-067		240-5108-1		240-5108-1		180-5136-1		UFICHM2011-071	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		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			8.00E-05		8.40E-05						9.70E-05		9.30E-05					
E1631	MERCURY	ug/L	N			0.002		0.0017						0.0099	J	0.002	J				
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N							10								21			
UFI SOP	Total Suspended Solids	mg/L	N	10.9								24.3								4.2	
UFI SOP	TURBIDITY	NTU	N	7.7								19.2								5.2	

			Field Sample ID	OL-1651-03		OL-1651-04		OL-1652-03		OL-1657-03		OL-1658-03		OL-1658-04		OL-1659-03		OL-1665-03		OL-1666-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/3/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011	
			SDG	240-5566-1		240-5566-1		180-5591-1		UFICHM2011-076		240-5953-1		240-5953-1		180-5982-1		UFICHM2011-079		240-6341-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		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		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	4.50E-05	J	4.60E-05	J					4.00E-05	J	7.50E-05	J					4.40E-05	J
E1631	MERCURY	ug/L	N	0.0014	J	0.00033	J					0.0093	J	0.0026	J					0.0012	
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N					3.6	J							82					
UFI SOP	Total Suspended Solids	mg/L	N							59								3.9			
UFI SOP	TURBIDITY	NTU	N							55.4								4.4			

			Field Sample ID	OL-1666-04		OL-1667-03		OL-1417-05		OL-1418-04		OL-1420-04		OL-1429-04		OL-1430-05		OL-1431-04		OL-1440-04	
			Location	NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/29/2011		11/29/2011		6/15/2011		6/15/2011		6/15/2011		6/28/2011		6/29/2011		6/29/2011		7/12/2011	
			SDG	240-6341-1		180-6293-1		240-1165-1		180-1138-1		UFICHM2011-021		UFICHM2011-024		240-1582-1		180-1574-1		UFICHM2011-028	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field duplicate		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		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	3.00E-05	J			1.60E-04								1.40E-04					
E1631	MERCURY	ug/L	N	0.00075				0.0044								0.0022					
E1631	MERCURY	ug/L	Y					0.0005	U							0.00047	J				
SM2540D	Total Suspended Solids	mg/L	N			4	U			62								110			
UFI SOP	Total Suspended Solids	mg/L	N											86.6						8.9	
UFI SOP	TURBIDITY	NTU	N									68.6		113						9.7	

			Field Sample ID	OL-1441-05		OL-1442-04		OL-1452-04		OL-1453-05		OL-1454-04		OL-1464-04		OL-1465-05		OL-1466-04		OL-1478-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	7/12/2011		7/12/2011		7/27/2011		7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011	
			SDG	240-1882-1		180-1902-1		UFICHM2011-033		240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		180-2865-1		UFICHM2011-044	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	7.10E-05						1.10E-04						1.50E-04					
E1631	MERCURY	ug/L	N	0.00055						0.00074	J					0.0019	J				
E1631	MERCURY	ug/L	Y	0.00042	J					0.0005	UJ					0.0005	U				
SM2540D	Total Suspended Solids	mg/L	N			3.2	J					9.2						11			
UFI SOP	Total Suspended Solids	mg/L	N					18.1						40.2						15.2	
UFI SOP	TURBIDITY	NTU	N					19.3						38						17	

			Field Sample ID	OL-1479-05		OL-1480-04		OL-1492-04		OL-1493-05		OL-1494-04		OL-1609-04		OL-1610-05		OL-1611-04		OL-1625-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	8/24/2011		8/24/2011		9/7/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		10/5/2011	
			SDG	240-3171-1		180-3412-1		UFICHM2011-050		240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		180-4164-1		UFICHM2011-062	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	1.20E-04	J					3.00E-04	U					5.30E-05	J				
E1631	MERCURY	ug/L	N	0.00075	J					0.0017	J					0.0009	J				
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.00064	J					0.00017	J				
SM2540D	Total Suspended Solids	mg/L	N			13						64						12			
UFI SOP	Total Suspended Solids	mg/L	N					63.8						11.1						31.2	
UFI SOP	TURBIDITY	NTU	N					60.1						11.5						32.8	

			Field Sample ID	OL-1626-05		OL-1627-04		OL-1638-04		OL-1639-05		OL-1640-04		OL-1650-04		OL-1651-05		OL-1652-04		OL-1657-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		-		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/5/2011		10/5/2011		10/20/2011		10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/3/2011		11/15/2011	
			SDG	240-4570-1		180-4640-1		UFICHM2011-067		240-5108-1		180-5136-1		UFICHM2011-071		240-5566-1		180-5591-1		UFICHM2011-076	
			Matrix	WATER		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		Regular sample	
			Sample Type	Surface water		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	5.20E-05						4.50E-05	J					3.00E-05	J				
E1631	MERCURY	ug/L	N	0.00078						0.00055	J					0.00072					
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N			29						64						9.6			
UFI SOP	Total Suspended Solids	mg/L	N					56.3						17.6						682	
UFI SOP	TURBIDITY	NTU	N					69.5						24.1						660	

			Field Sample ID	OL-1658-05		OL-1659-04		OL-1665-04		OL-1666-05		OL-1667-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/15/2011		11/15/2011		11/29/2011		11/29/2011		11/29/2011	
			SDG	240-5953-1		180-5982-1		UFICHM2011-079		240-6341-1		180-6293-1	
			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	7.50E-05	J					4.50E-04			
E1631	MERCURY	ug/L	N	0.0021	J					0.0006			
E1631	MERCURY	ug/L	Y										
SM2540D	Total Suspended Solids	mg/L	N			710						10	
UFI SOP	Total Suspended Solids	mg/L	N					17.4					
UFI SOP	TURBIDITY	NTU	N					21.4					

			Field Sample ID	OL-1495-01		OL-1496-01		OL-1497-01		OL-1499-01		OL-1498-01		OL-1600-01		OL-1495-02	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		LEYCK-Park	
			Sample Depth													0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/9/2011		9/9/2011		9/7/2011	
			Sample Time	14:10		14:10		14:10		11:55		11:55		11:55		14:55	
			SDG	UFICHM2011-051		240-3638-1		180-3757-1		240-3729-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U			0.00001	U						
E1631	MERCURY	ug/L	N			0.00021	J			0.00012	U						
SM2540D	Total Suspended Solids	mg/L	N														
SW8082	AROCLOR-1016	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1221	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1232	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1242	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1248	ug/L	N					0.036						0.027			
SW8082	AROCLOR-1254	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1260	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1262	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1268	ug/L	N					0.01	U					0.012	U		
SW8082	PCBS, N.O.S.	ug/L	N					0.036						0.027			
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U							2.5	U			40.4	
UFI SOP	TURBIDITY	NTU	N	0.8	J							0.8	U			27.3	J

			Field Sample ID	OL-1495-06		OL-1497-02		OL-1497-06		OL-1495-10		OL-1495-14		OL-1497-10		OL-1497-14	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	18:15		14:55		18:15		9:18		10:45		9:18		10:45	
			SDG	UFICHM2011-051		180-3757-1		180-3757-1		UFICHM2011-051		UFICHM2011-051		180-3757-1		180-3757-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N			69		100						25		25	
SW8082	AROCLOR-1016	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1221	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1232	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1242	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1248	ug/L	N			0.13		0.23						0.13		0.11	
SW8082	AROCLOR-1254	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1260	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1262	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1268	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	PCBS, N.O.S.	ug/L	N			0.13		0.23						0.13		0.11	
UFI SOP	Total Suspended Solids	mg/L	N	82.9						35.1		31.2					
UFI SOP	TURBIDITY	NTU	N	36.2	J					21.3	J	23.1	J				

			Field Sample ID	OL-1498-02		OL-1600-02		OL-1498-06		OL-1600-06		OL-1495-03		OL-1495-07		OL-1496-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	17:40		17:40		12:20		12:20		15:20		17:18		15:20	
			SDG	UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N													0.0003	U
E1631	MERCURY	ug/L	N													0.0048	
SM2540D	Total Suspended Solids	mg/L	N			26				16							
SW8082	AROCLOR-1016	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1221	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1232	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1242	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1248	ug/L	N			0.089				0.048							
SW8082	AROCLOR-1254	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1260	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1262	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1268	ug/L	N			0.0094	U			0.0094	U						
SW8082	PCBS, N.O.S.	ug/L	N			0.089				0.048							
UFI SOP	Total Suspended Solids	mg/L	N	21.9				41.4				32.3		17.6			
UFI SOP	TURBIDITY	NTU	N	25.9				12.2				12.5	J	8.9	J		

			Field Sample ID	OL-1496-06		OL-1497-03		OL-1497-07		OL-1499-02		OL-1499-06		OL-1495-11		OL-1495-15	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011	
			Sample Time	17:18		15:20		17:18		16:50		11:10		8:20		9:55	
			SDG	240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00032						0.00033		0.0003	U				
E1631	MERCURY	ug/L	N	0.0016						0.016		0.0035					
SM2540D	Total Suspended Solids	mg/L	N			15		16									
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N											199.6		83.2	
UFI SOP	TURBIDITY	NTU	N											157	J	114	J

			Field Sample ID	OL-1496-09		OL-1496-12		OL-1497-11		OL-1497-15		OL-1498-03		OL-1600-03		OL-1498-07	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011	
			Sample Time	8:20		9:55		8:20		9:55		16:50		16:50		11:10	
			SDG	240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00045		0.00036											
E1631	MERCURY	ug/L	N	0.029		0.021											
SM2540D	Total Suspended Solids	mg/L	N					200		130				96			
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N									94				30.7	
UFI SOP	TURBIDITY	NTU	N									71.4				24.7	

			Field Sample ID	OL-1600-07		OL-1495-04		OL-1495-08		OL-1496-03		OL-1496-07		OL-1497-04		OL-1497-08	
			Location	NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	11:10		15:45		16:50		15:45		16:50		15:45		16:50	
			SDG	180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N							0.0003	U	0.0003	U				
E1631	MERCURY	ug/L	N							0.0073		0.0049					
SM2540D	Total Suspended Solids	mg/L	N	37										17		16	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N			19.3		11.9									
UFI SOP	TURBIDITY	NTU	N			13.5	J	9.6	J								

			Field Sample ID	OL-1499-03		OL-1499-07		OL-1495-12		OL-1495-16		OL-1496-10		OL-1496-13		OL-1497-12	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	16:30		10:50		8:00		9:40		8:00		9:40		8:00	
			SDG	240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00047		0.0003	U					0.00046		0.00054			
E1631	MERCURY	ug/L	N	0.022		0.0048						0.064		0.079			
SM2540D	Total Suspended Solids	mg/L	N													310	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N					387.6		266.5							
UFI SOP	TURBIDITY	NTU	N					250	J	187	J						

			Field Sample ID	OL-1497-16		OL-1498-04		OL-1600-04		OL-1498-08		OL-1600-08		OL-1495-05		OL-1495-09	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011	
			Sample Time	9:40		16:30		16:30		10:50		10:50		14:25		17:50	
			SDG	180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	260				130				38					
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N			124				29.5				73.4		160.2	
UFI SOP	TURBIDITY	NTU	N			78.6				25				30.7	J	63.3	J

			Field Sample ID	OL-1496-05		OL-1496-08		OL-1497-05		OL-1497-09		OL-1499-05		OL-1499-08		OL-1495-13	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011	
			Sample Time	14:25		17:50		14:25		17:50		17:15		11:45		9:00	
			SDG	240-3638-1		240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00035		0.00043						0.00033		0.0003	U		
E1631	MERCURY	ug/L	N	0.018		0.042						0.0095		0.0022			
SM2540D	Total Suspended Solids	mg/L	N					96		200							
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N													464	
UFI SOP	TURBIDITY	NTU	N													385	J

			Field Sample ID	OL-1495-17		OL-1496-11		OL-1496-14		OL-1497-13		OL-1497-17		OL-1498-05		OL-1600-05	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	10:20		9:00		10:20		9:00		10:20		17:15		17:15	
			SDG	UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00019		0.00041									
E1631	MERCURY	ug/L	N			0.017		0.014									
SM2540D	Total Suspended Solids	mg/L	N							430		310				270	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N	330										264			
UFI SOP	TURBIDITY	NTU	N	299	J									257			

			Field Sample ID	OL-1498-09		OL-1600-09	
			Location	ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/9/2011	
			Sample Time	11:45		11:45	
			SDG	UFICHM2011-051		180-3791-1	
			Matrix	WATER		WATER	
			Sample Purpose	Regular sample		Regular sample	
			Sample Type	Surface water		Surface water	
Method	Parameter Name	Units	Filtered				
E1630	METHYL MERCURY	ug/L	N				
E1631	MERCURY	ug/L	N				
SM2540D	Total Suspended Solids	mg/L	N			93	
SW8082	AROCLOR-1016	ug/L	N				
SW8082	AROCLOR-1221	ug/L	N				
SW8082	AROCLOR-1232	ug/L	N				
SW8082	AROCLOR-1242	ug/L	N				
SW8082	AROCLOR-1248	ug/L	N				
SW8082	AROCLOR-1254	ug/L	N				
SW8082	AROCLOR-1260	ug/L	N				
SW8082	AROCLOR-1262	ug/L	N				
SW8082	AROCLOR-1268	ug/L	N				
SW8082	PCBS, N.O.S.	ug/L	N				
UFI SOP	Total Suspended Solids	mg/L	N	79			
UFI SOP	TURBIDITY	NTU	N	72.2			

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR STORM WATER MONITORING SAMPLES

			Field Sample ID	OL-1485-01		OL-1486-01		OL-1485-02		OL-1485-06		OL-1485-10		OL-1485-14		OL-1487-02	
			Location	FIELD QC		FIELD QC		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth					0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	12:10		12:10		13:25		15:38		18:50		20:25		13:25	
			SDG	UFICHM2011-048		240-3343-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U										
E1631	MERCURY	ug/L	N			0.00012	U										
SM2540D	Total Suspended Solids	mg/L	N													28	
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			17		37.7		71.6		48			
UFI SOP	TURBIDITY	NTU	N	0.8	U			13.4		25.1		29.9		36.7			

			Field Sample ID	OL-1487-06		OL-1487-10		OL-1487-14		OL-1485-18		OL-1485-22		OL-1487-18		OL-1487-22	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	15:38		18:50		20:25		9:10		11:00		9:10		11:00	
			SDG	180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		180-3496-1		180-3496-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	36		91		59						24		16	
UFI SOP	Total Suspended Solids	mg/L	N							19.2		15.3					
UFI SOP	TURBIDITY	NTU	N							18.7		17					

			Field Sample ID	OL-1485-03		OL-1485-07		OL-1485-11		OL-1485-15		OL-1486-02		OL-1486-06		OL-1486-09
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011
			Sample Time	12:15		14:35		17:50		19:30		12:15		14:35		17:50
			SDG	UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1		240-3343-1
			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
Method	Parameter Name	Units	Filtered													
E1630	METHYL MERCURY	ug/L	N									0.0003	U	0.00008	J	0.000064
E1631	MERCURY	ug/L	N									0.0024		0.0029		0.0042
SM2540D	Total Suspended Solids	mg/L	N													
UFI SOP	Total Suspended Solids	mg/L	N	11.8		12.5		19.1		20.3						
UFI SOP	TURBIDITY	NTU	N	4.6		7.2		12.1		14.3						

			Field Sample ID	OL-1486-12		OL-1487-03		OL-1487-07		OL-1487-11		OL-1487-15		OL-1485-19		OL-1485-23	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/29/2011		8/29/2011	
			Sample Time	19:30		12:15		14:35		17:50		19:30		8:10		10:00	
			SDG	240-3343-1		180-3496-1		180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.0001													
E1631	MERCURY	ug/L	N	0.0035													
SM2540D	Total Suspended Solids	mg/L	N			12		10		19		18					
UFI SOP	Total Suspended Solids	mg/L	N											15.6		18.2	
UFI SOP	TURBIDITY	NTU	N											14.5		14.6	

			Field Sample ID	OL-1486-15		OL-1486-18		OL-1487-19		OL-1487-23		OL-1485-04		OL-1485-08		OL-1485-12	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	8:10		10:00		8:10		10:00		12:00		14:05		17:30	
			SDG	240-3343-1		240-3343-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.000088		0.000087											
E1631	MERCURY	ug/L	N	0.0032		0.003											
SM2540D	Total Suspended Solids	mg/L	N					18		17							
UFI SOP	Total Suspended Solids	mg/L	N									13.1		44.4		30.1	
UFI SOP	TURBIDITY	NTU	N									14.2		41.2		30.3	

			Field Sample ID	OL-1485-16		OL-1486-03		OL-1486-07		OL-1486-10		OL-1486-13		OL-1487-04		OL-1487-08	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	19:00		12:00		14:05		17:30		19:00		12:00		14:05	
			SDG	UFICHM2011-048		240-3343-1		240-3343-1		240-3343-1		240-3343-1		180-3496-1		180-3496-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.000031	J	0.00006		0.0003	U	0.000085					
E1631	MERCURY	ug/L	N			0.0088		0.0093		0.0087		0.0066					
SM2540D	Total Suspended Solids	mg/L	N											18		46	
UFI SOP	Total Suspended Solids	mg/L	N	17.4													
UFI SOP	TURBIDITY	NTU	N	17.2													

			Field Sample ID	OL-1487-12		OL-1487-16		OL-1485-20		OL-1485-24		OL-1486-16		OL-1486-19		OL-1487-20	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	17:30		19:00		7:45		9:40		7:45		9:40		7:45	
			SDG	180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1		180-3496-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N									0.000092		0.000077			
E1631	MERCURY	ug/L	N									0.0037		0.0025			
SM2540D	Total Suspended Solids	mg/L	N	32		21										14	
UFI SOP	Total Suspended Solids	mg/L	N					14.8		9.2							
UFI SOP	TURBIDITY	NTU	N					11.3		8.3							

			Field Sample ID	OL-1487-24		OL-1485-05		OL-1485-09		OL-1485-13		OL-1485-17		OL-1486-05		OL-1486-08	
			Location	NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	9:40		13:00		15:09		18:22		20:10		13:00		15:09	
			SDG	180-3496-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N											0.00012		0.00022	J
E1631	MERCURY	ug/L	N											0.011		0.014	
SM2540D	Total Suspended Solids	mg/L	N	15													
UFI SOP	Total Suspended Solids	mg/L	N			39.3		71.2		167.6		292					
UFI SOP	TURBIDITY	NTU	N			22.4		45.5		107		252					

			Field Sample ID	OL-1486-11		OL-1486-14		OL-1487-05		OL-1487-09		OL-1487-13		OL-1487-17		OL-1485-21	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/29/2011	
			Sample Time	18:22		20:10		13:00		15:09		18:22		20:10		8:40	
			SDG	240-3343-1		240-3343-1		180-3496-1		180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00014		0.00034											
E1631	MERCURY	ug/L	N	0.011		0.014											
SM2540D	Total Suspended Solids	mg/L	N					66		100		190		340			
UFI SOP	Total Suspended Solids	mg/L	N													395.6	
UFI SOP	TURBIDITY	NTU	N													400	

			Field Sample ID	OL-1485-25		OL-1486-17		OL-1486-20		OL-1487-21		OL-1487-25	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	10:45		8:40		10:45		8:40		10:45	
			SDG	UFICHM2011-048		240-3343-1		240-3343-1		180-3496-1		180-3496-1	
			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			0.00031		0.00028					
E1631	MERCURY	ug/L	N			0.003		0.014					
SM2540D	Total Suspended Solids	mg/L	N							380		310	
UFI SOP	Total Suspended Solids	mg/L	N	345									
UFI SOP	TURBIDITY	NTU	N	384									

			Field Sample ID	OL-1495-01		OL-1496-01		OL-1499-01		OL-1498-01		OL-1495-02		OL-1495-06		OL-1497-02	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth									0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	14:10		14:10		11:55		11:55		14:55		18:15		14:55	
			SDG	UFICHM2011-051		240-3638-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		UFICHM2011-051		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Regular sample		Regular sample		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U	0.00001	U								
E1631	MERCURY	ug/L	N			0.00021	J	0.00012	U								
SM2540D	Total Suspended Solids	mg/L	N													69	
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U					2.5	U	40.4		82.9			
UFI SOP	TURBIDITY	NTU	N	0.8	J					0.8	U	27.3	J	36.2	J		

			Field Sample ID	OL-1497-06		OL-1495-10		OL-1495-14		OL-1497-10		OL-1497-14		OL-1498-02		OL-1600-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	18:15		9:18		10:45		9:18		10:45		17:40		17:40	
			SDG	180-3757-1		UFICHM2011-051		UFICHM2011-051		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	100						25		25				26	
UFI SOP	Total Suspended Solids	mg/L	N			35.1		31.2						21.9			
UFI SOP	TURBIDITY	NTU	N			21.3	J	23.1	J					25.9			

			Field Sample ID	OL-1498-06		OL-1600-06		OL-1495-03		OL-1495-07		OL-1496-02		OL-1496-06		OL-1497-03	
			Location	LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	12:20		12:20		15:20		17:18		15:20		17:18		15:20	
			SDG	UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N									0.0003	U	0.00032			
E1631	MERCURY	ug/L	N									0.0048		0.0016			
SM2540D	Total Suspended Solids	mg/L	N			16										15	
UFI SOP	Total Suspended Solids	mg/L	N	41.4				32.3		17.6							
UFI SOP	TURBIDITY	NTU	N	12.2				12.5	J	8.9	J						

			Field Sample ID	OL-1497-07		OL-1499-02		OL-1499-06		OL-1495-11		OL-1495-15		OL-1496-09		OL-1496-12	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	17:18		16:50		11:10		8:20		9:55		8:20		9:55	
			SDG	180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00033		0.0003	U					0.00045		0.00036	
E1631	MERCURY	ug/L	N			0.016		0.0035						0.029		0.021	
SM2540D	Total Suspended Solids	mg/L	N	16													
UFI SOP	Total Suspended Solids	mg/L	N							199.6		83.2					
UFI SOP	TURBIDITY	NTU	N							157	J	114	J				

			Field Sample ID	OL-1497-11		OL-1497-15		OL-1498-03		OL-1600-03		OL-1498-07		OL-1600-07		OL-1495-04	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011	
			Sample Time	8:20		9:55		16:50		16:50		11:10		11:10		15:45	
			SDG	180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	200		130				96				37			
UFI SOP	Total Suspended Solids	mg/L	N					94				30.7				19.3	
UFI SOP	TURBIDITY	NTU	N					71.4				24.7				13.5	J

			Field Sample ID	OL-1495-08		OL-1496-03		OL-1496-07		OL-1497-04		OL-1497-08		OL-1499-03		OL-1499-07	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	16:50		15:45		16:50		15:45		16:50		16:30		10:50	
			SDG	UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.0003	U	0.0003	U					0.00047		0.0003	U
E1631	MERCURY	ug/L	N			0.0073		0.0049						0.022		0.0048	
SM2540D	Total Suspended Solids	mg/L	N							17		16					
UFI SOP	Total Suspended Solids	mg/L	N	11.9													
UFI SOP	TURBIDITY	NTU	N	9.6	J												

			Field Sample ID	OL-1495-12		OL-1495-16		OL-1496-10		OL-1496-13		OL-1497-12		OL-1497-16		OL-1498-04	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	8:00		9:40		8:00		9:40		8:00		9:40		16:30	
			SDG	UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					0.00046		0.00054							
E1631	MERCURY	ug/L	N					0.064		0.079							
SM2540D	Total Suspended Solids	mg/L	N									310		260			
UFI SOP	Total Suspended Solids	mg/L	N	387.6		266.5										124	
UFI SOP	TURBIDITY	NTU	N	250	J	187	J									78.6	

			Field Sample ID	OL-1600-04		OL-1498-08		OL-1600-08		OL-1495-05		OL-1495-09		OL-1496-05		OL-1496-08	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	16:30		10:50		10:50		14:25		17:50		14:25		17:50	
			SDG	180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N											0.00035		0.00043	
E1631	MERCURY	ug/L	N											0.018		0.042	
SM2540D	Total Suspended Solids	mg/L	N	130				38									
UFI SOP	Total Suspended Solids	mg/L	N			29.5				73.4		160.2					
UFI SOP	TURBIDITY	NTU	N			25				30.7	J	63.3	J				

			Field Sample ID	OL-1497-05		OL-1497-09		OL-1499-05		OL-1499-08		OL-1495-13		OL-1495-17		OL-1496-11	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	14:25		17:50		17:15		11:45		9:00		10:20		9:00	
			SDG	180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					0.00033		0.0003	U					0.00019	
E1631	MERCURY	ug/L	N					0.0095		0.0022						0.017	
SM2540D	Total Suspended Solids	mg/L	N	96		200											
UFI SOP	Total Suspended Solids	mg/L	N									464		330			
UFI SOP	TURBIDITY	NTU	N									385	J	299	J		

			Field Sample ID	OL-1496-14		OL-1497-13		OL-1497-17		OL-1498-05		OL-1600-05		OL-1498-09		OL-1600-09	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011	
			Sample Time	10:20		9:00		10:20		17:15		17:15		11:45		11:45	
			SDG	240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1	
			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	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00041													
E1631	MERCURY	ug/L	N	0.014													
SM2540D	Total Suspended Solids	mg/L	N			430		310				270				93	
UFI SOP	Total Suspended Solids	mg/L	N							264				79			
UFI SOP	TURBIDITY	NTU	N							257				72.2			

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA FOR FISH SAMPLES

SECTION B1

DATA USABILITY SUMMARY

Fish samples were collected as part of the Book 2 baseline monitoring efforts for Onondaga Lake from May 25, 2011 through August 4, 2011. 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 laboratory for this project was Test America Laboratories (TAL). This laboratory is certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and New York Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

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 13 to 139 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 TAL.

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, mercury, and percent lipids. 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 B1.3.4. 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 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 Analysis

Fish samples collected from the site were analyzed by TAL for mercury using the USEPA SW846 7471A analytical method. The reported results for the mercury samples did not require qualification resulting from data validation. The reported mercury analytical results were considered 100 percent complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

B1.3.2 PCB Analysis

Fish samples collected from the site were analyzed by TAL for PCBs using the USEPA SW846 8082 analytical method. The reported results for the PCB samples did not require qualification resulting from data validation. The reported PCB analytical results were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

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

Fish samples collected from the site were analyzed by TAL for hexachlorobenzene, 4,4'-DDT, and metabolites using the USEPA SW846 8081A analytical method. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries and sample result identifications. The reported analytical results for these samples were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

B1.3.4 Dioxins and Furans

Fish samples collected from the site were analyzed by TAL for dioxins and furans using the USEPA 1613B analytical method. The reported results for these samples did not require estimation qualification resulting from data validation. The reported analytical results for these samples were considered 100% complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

B1.3.5 Percent Lipids

Fish samples collected from the site were analyzed by TAL for percent lipids using the TAL SOP analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported analytical results for these samples were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

SECTION B2

DATA VALIDATION REPORT

B2.1 FISH

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

<u>Usability</u>

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 TAL were 100 percent complete (i.e., usable). The validated mercury laboratory data are tabulated and presented in Attachment A.

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
- 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 surrogate recoveries, MS/MSD precision and accuracy, and LCS recoveries as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits for the project samples with the exception of the high tetrachloro-m-xylene recovery (QC limit 35-140%R) in samples OL-1504-16F (153%R) and OL-1505-01F (153%R). Validation qualification of these samples was not required since only one surrogate exceeded criteria.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements of spiked compounds were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy for PCB-1016 (131%R/132%R; QC limit 55-130%R) associated with the parent sample OL-1504-09F. Validation qualification of the parent sample was not required since this compound was not detected.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for PCB-1016 (137%R; QC limit 55-130%R) associated with samples OL-1504-01F, -05F, -09F, -10F, -11F, -12F, -13F, -14F, -15F, -16F, -17F, -19F, -20F, and OL-1505-01F. Validation qualification was not required since this compound was not detected.

Usability

All PCB sample results for the fish were considered usable following data validation. All total PCB sample results were calculated in accordance to the analytical method.

Summary

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

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
- 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, MS/MSD precision and accuracy, 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 low tetrachloro-m-xylene recovery (QC limit 45-130%R) on the primary quantitation column in sample OL-1502-06F (40%R) and the high decachlorobiphenyl recovery (QC limit 45-130%R) on the second confirmatory column in sample OL-1506-04F (147%R). Validation qualification was not required for these samples since only one surrogate was outside criteria.

MS/MSD Precision and Accuracy

All MS/MSD precision and accuracy measurements for spiked compounds were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MSD accuracy result for 4,4'-DDD (65%R; QC limit 70-135%R) and high precision for 4,4'-DDD (34%RPD; QC limit 0-20%RPD) during the spiked analyses of sample OL-1507-02F; and the low MS accuracy result for 4,4'-DDE (28%R; QC limit 70-133%R) and the low MS/MSD accuracy results for 4,4'-DDT (-7%R/7%R; QC limit 61-126%R) and 4,4'-DDD (55%R/0%R; QC limit 70-135%R) during the spiked analyses of sample OL-1508-01F. Validation qualification of the parent sample OL-1507-02F was not required based upon one accuracy result outside the QC limit. However, the positive 4,4'-DDT result and the nondetected 4,4'-DDD result for parent sample OL-1508-01F were considered estimated, possibly biased low, and qualified "J" and "UJ", respectively.

Sample Result Identifications

Positive sample results were verified and confirmed present using dual column confirmation. The precision (%RPD) between the results on the dual columns was less than 25% with the exception of hexachlorobenzene for samples OL-1504-14F (58.1%RPD) and -16F (51.4%RPD); 4,4'-DDE for samples OL-1500-12F (65.8%RPD), OL-1501-05F (30.6%RPD), OL-1502-01F (68.3%RPD), -04F (55.3%RPD), -20F (145.3%RPD), OL-1503-01F (131%RPD), -02F (127.7%RPD), -04F (90.7%RPD), -05F (101.3%RPD), OL-1505-01F (63.5%RPD), OL-1504-01F (112.9%RPD), -09F (67.2%RPD), -10F (72.2%RPD), -11F (74.2%RPD), -12F (68.5%RPD), -13F (71.9%RPD), -15F (44.9%RPD), -16F (57.2%RPD), -19F (66%RPD), -20F (75.2%RPD), OL-1506-01F (50.2%RPD), -03F (34.7%RPD), -04F (28.5%RPD), OL-1507-01F (39.8%RPD), -02F (48.7%RPD), -03F (39.5%RPD), OL-1508-01F (33%RPD), -02F (35.6%RPD), and -03F (34.2%RPD); 4,4'-DDT for samples OL-1500-01F (27.9%RPD), -02F (26.9%RPD), -17F (33.4%RPD), OL-1504-01F (61.5%RPD), OL-1506-01F (94.4%RPD), -03F (91%RPD), -04F (97.4%RPD), OL-1507-01F (93.9%RPD), -02F (92.7%RPD), -03F (91.7%RPD), OL-1508-01F (99.2%RPD), -02F (95%RPD), and -03F (91.8%RPD); and 4,4'-DDD for samples OL-1500-09F (85.1%RPD), -12F (31%RPD), OL-1501-03F (178.4%RPD), -05F (124.6%RPD), -06F (159.1%RPD), -08F (137.2%RPD), -10F (164.8%RPD), OL-1502-01F (150.2%RPD), -04F (122.4%RPD), -06F (66.9%RPD), -09F (28%RPD), -20F (181.9%RPD), OL-1503-01F (173.5%RPD), -02F (162.5%RPD), -05F (182.5%RPD), -06F (180.7%RPD), OL-1505-01F (100.1%RPD), OL-1504-01F (84.7%RPD), -09F (110.1%RPD), -10F (94.8%RPD), -12F (110%RPD), -13F (115.2%RPD), -15F (85.8%RPD), -16F (88.2%RPD), -17F (45.2%RPD),

-19F (70.7%RPD), OL-1506-01F (149%RPD), -03F (139.4%RPD), -04F (127.2%RPD), OL-1507-02F (153.1%RPD), -03F (181.2%RPD), and OL-1508-02F (164%RPD). These results were considered estimated and qualified "J" for the affected samples. However, for those compounds where the %RPD was greater than 90 percent, 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 TAL were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

It was noted that hexachlorobenzene was not analyzed for fish samples contained within SDG 180-616-1 because of laboratory error.

B2.1.4 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
- 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 blank contamination as discussed below.

Blank Contamination

The laboratory method blank associated with samples contained within sample delivery groups (SDGs) 180-550-1, 180-550-2, 180-616-1, 180-693-1, 180-903-1, 180-1510-1, and 180-1586-1 detected dioxins and furans at concentrations below reporting limits. A summary of these detections is presented in the table below. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Compound	Concentration (pg/g)
1,2,3,7,8-PeCDD	0.13 J
1,2,3,4,7,8-HxCDD	0.21 J
1,2,3,6,7,8-HxCDD	0.16 J
1,2,3,7,8,9-HxCDD	0.29 J
1,2,3,4,6,7,8-HpCDD	0.37 J
OCDD	2.3 J
1,2,3,7,8-PeCDF	0.15 J
1,2,3,4,7,8-HxCDF	0.17 J
1,2,3,6,7,8-HxCDF	0.16 J
2,3,4,6,7,8-HxCDF	0.12 J
1,2,3,7,8,9-HxCDF	0.15 J
1,2,3,4,6,7,8-HpCDF	0.2 J
OCDF	0.44 J

Note: J – Concentration is estimated and detected below the reporting limit.

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 TAL were 100 percent complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

B2.1.5 Percent Lipids

The following items were reviewed for compliancy in the percent lipids analysis:

- Custody documentation
- Holding times
- Laboratory blank contamination
- Laboratory 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 percent lipids sample results for the fish samples were considered usable following data validation and the laboratory further checking and modifying its reporting and detection limits. Two of the lipid results (less than 0.099 percent and 10 percent, respectively) could not be confirmed based on documentation available at the laboratory when results were further checked and modified, so those results will not be used to quantify lipid-normalized organic chemical concentrations.

Representative 2011 fish fillet samples are being re-analyzed for lipid content to confirm data usability.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The percent lipids data presented by TAL were 100 percent complete (i.e., usable), although two of the results will not be used to quantify lipid-normalized organic chemical concentrations due to the laboratory not being able to reproduce the results. The validated laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A

VALIDATED LABORATORY DATA FOR FISH SAMPLES

WALL – Walleye (Adult Fish)

SMB – Smallmouth Bass (Adult Fish)

PKSD – Pumpkinseed (Adult Fish)

BB – Brown Bullhead (Adult Fish)

ALE – Alewife (Prey Fish)

MIN – Minnow (Prey Fish)

		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
		Field Sample ID	OL-1503-03F		OL-1503-04F		OL-1503-05F		OL-1503-06F		OL-1503-07F		OL-1503-08F		OL-1503-09F		OL-1503-10F		OL-1503-11F
		SDG	180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1
		Sample Date	6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	13 yrs		13 yrs		17 yrs		20 yrs		9+ yrs		11 yrs		5+ yrs		23 yrs		10 yrs
		Specimen Length	555 mm		604 mm		554 mm		650 mm		468 mm		538 mm		497 mm		560 mm		539 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		F		F		F		F		F		F		F		F
		Specimen Weight	2043 g		3301 g		2137 g		2692 g		1428 g		1951 g		1585 g		1902 g		2216 g
		Taxon	WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg	5	U															
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg	5	U															
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg	2.8	J															
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg	5	U															
EPA 1613B	1,2,3,7,8-PECDD	ng/kg	1.2	J															
EPA 1613B	1,2,3,7,8-PECDF	ng/kg	1.1	J															
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg	5	U															
EPA 1613B	2,3,4,7,8-PECDF	ng/kg	4.5	J															
EPA 1613B	2,3,7,8-TCDD	ng/kg	0.8	J															
EPA 1613B	2,3,7,8-TCDF	ng/kg	6.2	J															
EPA 1613B	OCDD	ng/kg	9.9	U															
EPA 1613B	OCDF	ng/kg	9.9	U															
Percent Lipids	%LIPIDS DETERMINATION	%	4.1		4.9		4.6		0.78										
SW7471	MERCURY	mg/kg	1.5		2.9		2.4		4.1		0.71		2.2		1.1		3		2.3
SW8081	4,4'-DDD	ug/kg	1.7	U	1.7	U	2.7	JN	1.8	JN									
SW8081	4,4'-DDE	ug/kg	1.7	U	14	JN	21	JN	9.4										
SW8081	4,4'-DDT	ug/kg	19		26		1.7	U	1.7	U									
SW8081	HEXACHLOROBENZENE	ug/kg	27		24		36		9.3										
SW8082	AROCLOR-1016	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1221	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1232	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1242	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1248	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1254	ug/kg	800		850		1600		650										
SW8082	AROCLOR-1260	ug/kg	370		480		680		480										
SW8082	AROCLOR-1262	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1268	ug/kg	16	U	17	U	16	U	17	U									
SW8082	TOTAL PCBS	ug/kg	1200		1300		2300		1100										

		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		
		Field Sample ID		OL-1503-12F		OL-1503-13F		OL-1503-14F		OL-1504-16F		OL-1504-17F		OL-1504-18F		OL-1504-19F		OL-1504-20F		
		SDG		180-693-1		180-693-1		180-693-1		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1		
		Sample Date		6/1/2011		6/1/2011		6/1/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		
		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		
		Specimen Age		17 yrs		17 yrs		13 yrs		4 yrs		4+ yrs		4 yrs		4+ yrs		4 yrs		
		Specimen Length		594 mm		563 mm		458 mm		194 mm		172 mm		188 mm		324 mm		294 mm		
		Sample Type		F		F		F		F		F		F		F		F		
		Specimen Sex		F		F		M		U		F		F		U		U		
		Specimen Weight		3048 g		2291 g		1284 g		194 g		139 g		202 g		493 g		385 g		
		Taxon		WALL		WALL		SMB		PKSD		PKSD		PKSD		BB		BB		
Method	Parameter Name	Units																		
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg														5	U			
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg														5	U			
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg														1	J			
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg														5	U			
EPA 1613B	1,2,3,7,8-PECDD	ng/kg														0.76	J			
EPA 1613B	1,2,3,7,8-PECDF	ng/kg														5	U			
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg														5	U			
EPA 1613B	2,3,4,7,8-PECDF	ng/kg														11				
EPA 1613B	2,3,7,8-TCDD	ng/kg														0.35	J			
EPA 1613B	2,3,7,8-TCDF	ng/kg														0.99	U			
EPA 1613B	OCDD	ng/kg														9.9	U			
EPA 1613B	OCDF	ng/kg														9.9	U			
Percent Lipids	%LIPIDS DETERMINATION	%								0.11		0.079	J			0.39		0.77		
SW7471	MERCURY	mg/kg		2.9		3.4		2.7		0.67		0.26		0.38		0.37		0.17		
SW8081	4,4'-DDD	ug/kg								1.1	J	1.3	J			1.7	J	1.7	U	
SW8081	4,4'-DDE	ug/kg								0.62	J	1.7	U			1.6	J	1.5	J	
SW8081	4,4'-DDT	ug/kg								4.1		2.4				7		7.3		
SW8081	HEXACHLOROBENZENE	ug/kg								0.64	J	1.7	U			2.1		11		
SW8082	AROCLOR-1016	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1221	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1232	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1242	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1248	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1254	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1260	ug/kg								29		14	J			52		80		
SW8082	AROCLOR-1262	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1268	ug/kg								17	U	17	U			16	U	17	U	
SW8082	TOTAL PCBS	ug/kg								29		14	J			52		80		

		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
		Field Sample ID	OL-1505-01F		OL-1506-01F		OL-1506-02F		OL-1507-01F		OL-1507-02F		OL-1507-03F		OL-1508-01F		OL-1508-02F		OL-1508-03F
		SDG	180-902-1		180-1510-1		180-1510-1		180-1586-1		180-1586-1		180-1586-1		180-1610-1		180-1610-1		180-1610-1
		Sample Date	6/8/2011		6/28/2011		6/28/2011		6/29/2011		6/29/2011		6/29/2011		6/30/2011		6/30/2011		6/30/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	7 yrs		6 yrs		10 yrs		13 yrs		6 yrs		12 yrs		4+ yrs		10 yrs		8+ yrs
		Specimen Length	309 mm		394 mm		439 mm		471 mm		385 mm		472 mm		366 mm		441 mm		432 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		U		U		F		U		U		U		U		U
		Specimen Weight	419 g		991 g		1231 g		1444 g		1048 g		1600 g		851 g		1310 g		1144 g
		Taxon	BB		SMB		SMB		SMB		SMB		SMB		SMB		SMB		SMB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg			0.91	J			5.4	J									
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg			5	U			5	U									
EPA 1613B	1,2,3,7,8-PECDD	ng/kg			0.86	J			2	J									
EPA 1613B	1,2,3,7,8-PECDF	ng/kg			5	U			5	U									
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg			5	U			5	U									
EPA 1613B	2,3,4,7,8-PECDF	ng/kg			3.4	J			6.3										
EPA 1613B	2,3,7,8-TCDD	ng/kg			0.99	U			1.7	J									
EPA 1613B	2,3,7,8-TCDF	ng/kg			1.8	J			2.7	J									
EPA 1613B	OCDD	ng/kg			9.9	U			9.9	U									
EPA 1613B	OCDF	ng/kg			9.9	U			9.9	U									
Percent Lipids	%LIPIDS DETERMINATION	%	0.18		0.93				0.69		1.2		0.099	U	3.5		0.92		1.1
SW7471	MERCURY	mg/kg	0.37		0.72		1.6		2.8		0.76		2.3		0.56		1.6		1.1
SW8081	4,4'-DDD	ug/kg	1.3	JN	1.9	JN			1.7	U	2.3	JN	1.9	JN	1.7	UJ	4.4	JN	1.7
SW8081	4,4'-DDE	ug/kg	0.92	JN	8.1	J			39	J	9	J	31	J	41	J	38	J	43
SW8081	4,4'-DDT	ug/kg	1.7	U	5.2	JN			20	JN	7	JN	16	JN	18	JN	18	JN	22
SW8081	HEXACHLOROBENZENE	ug/kg	1.8		4.6				5.4		7.7		4		23		6.2		7.5
SW8082	AROCLOR-1016	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1221	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1232	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1242	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1248	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1254	ug/kg	17	U	220				690		280		510		700		640		530
SW8082	AROCLOR-1260	ug/kg	64		17	U			16	U	16	U	16	U	17	U	17	U	480
SW8082	AROCLOR-1262	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	AROCLOR-1268	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17
SW8082	TOTAL PCBS	ug/kg	64		220				690		280		510		700		640		1000

		Location		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-30093	
		Field Sample ID		OL-1509-01F		OL-1509-02F		OL-1509-03F		OL-1509-04F		OL-1509-05F		OL-1509-06F		OL-1509-07F		OL-1501-08F	
		SDG		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-550-2	
		Sample Date		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		5/25/2011	
		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	
		Specimen Age		6+ yrs		10 yrs		9 yrs		3+ yrs		10 yrs		6+ yrs		10 yrs		6 yrs	
		Specimen Length		385 mm		440 mm		444 mm		290 mm		461 mm		386 mm		436 mm		503 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		F		F		F		U		F		U		U		F	
		Specimen Weight		958 g		1151 g		1272 g		362 g		1387 g		962 g		1064 g		1892 g	
		Taxon		SMB		SMB		SMB		SMB		SMB		SMB		SMB		WALL	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg																	
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg																	
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg																	
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg																	
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg																	
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg																	
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg																	
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg																	
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg																	
EPA 1613B	1,2,3,7,8-PECDD	ng/kg																	
EPA 1613B	1,2,3,7,8-PECDF	ng/kg																	
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg																	
EPA 1613B	2,3,4,7,8-PECDF	ng/kg																	
EPA 1613B	2,3,7,8-TCDD	ng/kg																	
EPA 1613B	2,3,7,8-TCDF	ng/kg																	
EPA 1613B	OCDD	ng/kg																	
EPA 1613B	OCDF	ng/kg																	
Percent Lipids	%LIPIDS DETERMINATION	%																3	
SW7471	MERCURY	mg/kg		0.76		1.5		1.2		0.72		1.4		0.85		2		0.94	
SW8081	4,4'-DDD	ug/kg	U															8.7	JN
SW8081	4,4'-DDE	ug/kg	J															25	
SW8081	4,4'-DDT	ug/kg	JN															66	
SW8081	HEXACHLOROBENZENE	ug/kg																28	
SW8082	AROCLOR-1016	ug/kg	U															170	U
SW8082	AROCLOR-1221	ug/kg	U															170	U
SW8082	AROCLOR-1232	ug/kg	U															170	U
SW8082	AROCLOR-1242	ug/kg	U															170	U
SW8082	AROCLOR-1248	ug/kg	U															170	U
SW8082	AROCLOR-1254	ug/kg																940	
SW8082	AROCLOR-1260	ug/kg																170	U
SW8082	AROCLOR-1262	ug/kg	U															170	U
SW8082	AROCLOR-1268	ug/kg	U															170	U
SW8082	TOTAL PCBS	ug/kg																940	

		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	
		Field Sample ID	OL-1501-09F		OL-1501-10F		OL-1501-11F		OL-1504-06F		OL-1504-07F		OL-1504-08F		OL-1504-09F		OL-1510-01F		OL-1510-02F	
		SDG	180-550-2		180-550-2		180-550-2		180-903-1		180-903-1		180-903-1		180-903-1		180-1724-1		180-1724-1	
		Sample Date	5/25/2011		5/25/2011		5/25/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		7/6/2011		7/6/2011	
		Matrix	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	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age	6 yrs		14 yrs		6 yrs		3+ yrs		3+ yrs		4+ yrs		6 yrs		5 yrs		3+ yrs	
		Specimen Length	542 mm		561 mm		591 mm		155 mm		148 mm		150 mm		318 mm		312 mm		268 mm	
		Sample Type	F		F		F		F		F		F		F		F		F	
		Specimen Sex	F		F		F		F		F		F		U		U		U	
		Specimen Weight	1896 g		2150 g		2534 g		85 g		72 g		97 g		440 g		380 g		280 g	
		Taxon	WALL		WALL		WALL		PKSD		PKSD		PKSD		BB		BB		BB	
Method	Parameter Name	Units																		
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg																		
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg																		
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg																		
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg																		
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg																		
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg																		
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg																		
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg																		
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg																		
EPA 1613B	1,2,3,7,8-PECDD	ng/kg																		
EPA 1613B	1,2,3,7,8-PECDF	ng/kg																		
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg																		
EPA 1613B	2,3,4,7,8-PECDF	ng/kg																		
EPA 1613B	2,3,7,8-TCDD	ng/kg																		
EPA 1613B	2,3,7,8-TCDF	ng/kg																		
EPA 1613B	OCDD	ng/kg																		
EPA 1613B	OCDF	ng/kg																		
Percent Lipids	%LIPIDS DETERMINATION	%			1.9										0.14					
SW7471	MERCURY	mg/kg	1.2		2.7		1.5		0.17		0.19		0.15		0.41		0.4		0.2	
SW8081	4,4'-DDD	ug/kg			5.4	JN									1.1	JN				
SW8081	4,4'-DDE	ug/kg			32										1.4	J				
SW8081	4,4'-DDT	ug/kg			17	U									1.7	U				
SW8081	HEXACHLOROBENZENE	ug/kg			16										5.6					
SW8082	AROCLOR-1016	ug/kg			160	U									16	U				
SW8082	AROCLOR-1221	ug/kg			160	U									16	U				
SW8082	AROCLOR-1232	ug/kg			160	U									16	U				
SW8082	AROCLOR-1242	ug/kg			160	U									16	U				
SW8082	AROCLOR-1248	ug/kg			160	U									16	U				
SW8082	AROCLOR-1254	ug/kg			1200										16	U				
SW8082	AROCLOR-1260	ug/kg			920										44					
SW8082	AROCLOR-1262	ug/kg			160	U									16	U				
SW8082	AROCLOR-1268	ug/kg			160	U									16	U				
SW8082	TOTAL PCBS	ug/kg			2100										44					

		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	
		Field Sample ID		OL-1500-01F		OL-1500-02F		OL-1500-03F		OL-1500-04F		OL-1500-05F		OL-1500-06F		OL-1500-07F		OL-1500-08F	
		SDG		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1	
		Sample Date		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011	
		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	
		Specimen Age		3+ yrs		3+ yrs		3+ yrs		3+ yrs		5+ yrs		3 yrs		3 yrs		6 yrs	
		Specimen Length		149 mm		164 mm		147 mm		151 mm		311 mm		274 mm		254 mm		300 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		M		M		M		M		U		U		U		U	
		Specimen Weight		88 g		124 g		101 g		93 g		399 g		314 g		241 g		443 g	
		Taxon		PKSD		PKSD		PKSD		PKSD		BB		BB		BB		BB	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8-PECDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8-PECDF	ng/kg				6.1	U												
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	2,3,4,7,8-PECDF	ng/kg				6.1	U												
EPA 1613B	2,3,7,8-TCDD	ng/kg				1.2	U												
EPA 1613B	2,3,7,8-TCDF	ng/kg				0.21	J												
EPA 1613B	OCDD	ng/kg				12	U												
EPA 1613B	OCDF	ng/kg				12	U												
Percent Lipids	%LIPIDS DETERMINATION	%		0.78		0.58													
SW7471	MERCURY	mg/kg		0.24		0.14		0.11		0.24		0.11		0.44		0.16		0.15	
SW8081	4,4'-DDD	ug/kg		17	U	17	U												
SW8081	4,4'-DDE	ug/kg		17	U	17	U												
SW8081	4,4'-DDT	ug/kg		18	J	20	J												
SW8081	HEXACHLOROBENZENE	ug/kg		0.85	J	0.88	J												
SW8082	AROCLOR-1016	ug/kg		160	U	170	U												
SW8082	AROCLOR-1221	ug/kg		160	U	170	U												
SW8082	AROCLOR-1232	ug/kg		160	U	170	U												
SW8082	AROCLOR-1242	ug/kg		160	U	170	U												
SW8082	AROCLOR-1248	ug/kg		160	U	170	U												
SW8082	AROCLOR-1254	ug/kg		160	U	170	U												
SW8082	AROCLOR-1260	ug/kg		160	U	170	U												
SW8082	AROCLOR-1262	ug/kg		160	U	170	U												
SW8082	AROCLOR-1268	ug/kg		160	U	170	U												
SW8082	TOTAL PCBS	ug/kg		160	U	170	U												

		Location	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-1500-15F		OL-1501-02F		OL-1501-03F		OL-1501-04F		OL-1501-05F		OL-1500-09F		OL-1500-10F		OL-1500-11F		OL-1500-12F
		SDG	180-550-1		180-550-2		180-550-2		180-550-2		180-550-2		180-550-1		180-550-1		180-550-1		180-550-1
		Sample Date	5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	6 yrs		10 yrs		17 yrs		12 yrs		7 yrs		3+ yrs		3+ yrs		3+ yrs		7 yrs
		Specimen Length	379 mm		585 mm		551 mm		508 mm		467 mm		163 mm		139 mm		143 mm		345 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	U		F		F		F		F		M		M		M		U
		Specimen Weight	778 g		2206 g		2042 g		1691 g		1212 g		99 g		76 g		76 g		636 g
		Taxon	SMB		WALL		WALL		WALL		WALL		PKSD		PKSD		PKSD		BB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					1.4	J			5	U	5.6	U					
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					2.4	J			1.2	J	0.82	J					
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					3.4	J			0.88	J	5.6	U					
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					1.4	J			5	U	5.6	U					
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					9.4				2.1	J	5.6	U					
EPA 1613B	2,3,7,8-TCDD	ng/kg					3.1	J			1	U	0.039	J					
EPA 1613B	2,3,7,8-TCDF	ng/kg					11	J			1.7	J	0.27	J					
EPA 1613B	OCDD	ng/kg					10	U			10	U	11	U					
EPA 1613B	OCDF	ng/kg					10	U			10	U	11	U					
Percent Lipids	%LIPIDS DETERMINATION	%					2.3				1.4		0.87		0.91				0.75
SW7471	MERCURY	mg/kg	1.3		0.68		3.1		2.1		0.79		0.24		0.078		0.23		0.27
SW8081	4,4'-DDD	ug/kg					8.2	JN			7.2	JN	2.6	J	17	U			13
SW8081	4,4'-DDE	ug/kg					110				19	J	17	U	17	U			7.3
SW8081	4,4'-DDT	ug/kg					180				53		19		17	U			28
SW8081	HEXACHLOROBENZENE	ug/kg					44				13		1.3	J	0.46	J			1.9
SW8082	AROCLOR-1016	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1221	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1232	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1242	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1248	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1254	ug/kg					3200				570		170	U	170	U			120
SW8082	AROCLOR-1260	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1262	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1268	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	TOTAL PCBS	ug/kg					3200				570		170	U	170	U			120

		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	
		Field Sample ID		OL-1500-13F		OL-1500-14F		OL-1500-16F		OL-1500-17F		OL-1500-18F		OL-1500-19F		OL-1500-20F		OL-1501-01F	
		SDG		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-2	
		Sample Date		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011	
		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	
		Specimen Age		6 yrs		3 yrs		6 yrs		4 yrs		4 yrs		4 yrs		6 yrs		4+ yrs	
		Specimen Length		355 mm		279 mm		380 mm		314 mm		338 mm		290 mm		464 mm		406 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		U		F		F		M		F		F		F		M	
		Specimen Weight		674 g		392 g		905 g		442 g		583 g		352 g		1258 g		845 g	
		Taxon		BB		BB		SMB		SMB		SMB		SMB		WALL		WALL	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg		1.6	J							1.9	J					0.83	J
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,7,8-PECDD	ng/kg		5	U							0.99	J					5	U
EPA 1613B	1,2,3,7,8-PECDF	ng/kg		5	U							5	U					5	U
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	2,3,4,7,8-PECDF	ng/kg		0.72	J							3	J					0.68	J
EPA 1613B	2,3,7,8-TCDD	ng/kg		0.1	J							0.55	J					1	U
EPA 1613B	2,3,7,8-TCDF	ng/kg		0.37	J							1.1	J					0.95	J
EPA 1613B	OCDD	ng/kg		19								10	U					10	U
EPA 1613B	OCDF	ng/kg		10	U							10	U					1.2	J
Percent Lipids	%LIPIDS DETERMINATION	%								0.25		1.2						1.4	
SW7471	MERCURY	mg/kg		0.27		0.14		0.26		1		0.71		1.2		0.75		0.3	
SW8081	4,4'-DDD	ug/kg	J							17	U	17	U					17	U
SW8081	4,4'-DDE	ug/kg	J							17	U	17						17	U
SW8081	4,4'-DDT	ug/kg								23	J	61						22	
SW8081	HEXACHLOROBENZENE	ug/kg								0.71	J	8.3						3.4	
SW8082	AROCLOR-1016	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1221	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1232	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1242	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1248	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1254	ug/kg	J							160	U	540						120	J
SW8082	AROCLOR-1260	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1262	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1268	ug/kg	U							160	U	160	U					170	U
SW8082	TOTAL PCBS	ug/kg	J							160	U	540						120	J

		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
		Field Sample ID	OL-1501-06F		OL-1501-07F		OL-1502-06F		OL-1502-07F		OL-1502-08F		OL-1502-09F		OL-1502-10F		OL-1502-11F		OL-1502-20F
		SDG	180-550-2		180-550-2		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	5/25/2011		5/25/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	10+ yrs		12 yrs		3+ yrs		3+ yrs		3+ yrs		3 yrs		6 yrs		6 yrs		5 yrs
		Specimen Length	548 mm		565 mm		142 mm		132 mm		169 mm		289 mm		325 mm		315 mm		365 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		F		M		M		M		U		U		F		M
		Specimen Weight	1904 g		2367 g		74 g		61 g		126 g		368 g		551 g		576 g		711 g
		Taxon	WALL		WALL		PKSD		PKSD		PKSD		BB		BB		BB		SMB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					1.8	J					5	U					5
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					6.9	U					5	U					1.1
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					6.9	U					5	U					5
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					6.9	U					5	U					0.84
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					6.9	U					5	U					5
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					6.9	U					5	U					5
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					6.9	U					0.61	J					2
EPA 1613B	2,3,7,8-TCDD	ng/kg					1.4	U					0.99	U					1
EPA 1613B	2,3,7,8-TCDF	ng/kg					0.41	J					0.16	J					0.89
EPA 1613B	OCDD	ng/kg					21						9.9	U					10
EPA 1613B	OCDF	ng/kg					14	U					9.9	U					10
Percent Lipids	%LIPIDS DETERMINATION	%	2.7				0.6						0.64						10
SW7471	MERCURY	mg/kg	1.2		1.6		0.087		0.021	J	0.31		0.18		0.46		0.41		0.97
SW8081	4,4'-DDD	ug/kg	8.1	JN			0.5	J					2.7	J					1.2
SW8081	4,4'-DDE	ug/kg	45				1.7	U					1.7	U					3
SW8081	4,4'-DDT	ug/kg	100				1.7	U					5						35
SW8081	HEXACHLOROBENZENE	ug/kg	22																
SW8082	AROCLOR-1016	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1221	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1232	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1242	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1248	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1254	ug/kg	1400				17	U					51						400
SW8082	AROCLOR-1260	ug/kg	170	U			17	U					52						280
SW8082	AROCLOR-1262	ug/kg	170	U			17	U					17	U					17
SW8082	AROCLOR-1268	ug/kg	170	U			17	U					17	U					17
SW8082	TOTAL PCBS	ug/kg	1400				17	U					100						680

		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	
		Field Sample ID		OL-1503-01F		OL-1503-02F		OL-1504-01F		OL-1504-02F		OL-1504-03F		OL-1504-04F		OL-1504-05F		OL-1505-02F	
		SDG		180-693-1		180-693-1		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1		180-902-1	
		Sample Date		6/1/2011		6/1/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011	
		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	
		Specimen Age		9 yrs		6 yrs		4+ yrs		4 yrs		4+ yrs		4 yrs		7 yrs		5 yrs	
		Specimen Length		492 mm		539 mm		176 mm		172 mm		184 mm		174 mm		318 mm		333 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		F		F		F		F		F		F		U		U	
		Specimen Weight		1685 g		2095 g		130 g		130 g		152 g		128 g		493 g		610 g	
		Taxon		WALL		WALL		PKSD		PKSD		PKSD		PKSD		BB		BB	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg	J			6.7	J												
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,7,8-PECDD	ng/kg	J			2.1	J												
EPA 1613B	1,2,3,7,8-PECDF	ng/kg	U			5	U												
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg	U			5	U												
EPA 1613B	2,3,4,7,8-PECDF	ng/kg	J			4.8	J												
EPA 1613B	2,3,7,8-TCDD	ng/kg	U			0.99	U												
EPA 1613B	2,3,7,8-TCDF	ng/kg	J			4.5	J												
EPA 1613B	OCDD	ng/kg	U			9.9	U												
EPA 1613B	OCDF	ng/kg	U			9.9	U												
Percent Lipids	%LIPIDS DETERMINATION	%		5.1		3.7		0.21								0.1			
SW7471	MERCURY	mg/kg		1.2		1.2		0.27		0.31		0.36		0.28		0.38		0.32	
SW8081	4,4'-DDD	ug/kg	JN	2.3	JN	3.3	JN	1.1	J							1.7	U		
SW8081	4,4'-DDE	ug/kg	JN	6.7	JN	5.5	JN	0.4	JN							1.7	U		
SW8081	4,4'-DDT	ug/kg		47		40		1.4	J							1.7	U		
SW8081	HEXACHLOROBENZENE	ug/kg		26		26		1.7	U							1.7	U		
SW8082	AROCLOR-1016	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1221	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1232	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1242	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1248	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1254	ug/kg		820		770		17	U							16	U		
SW8082	AROCLOR-1260	ug/kg		330		280		11	J							20			
SW8082	AROCLOR-1262	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1268	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	TOTAL PCBS	ug/kg		1200		1100		11	J							20			

		Location	OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1505-03F		OL-1506-03F		OL-1506-04F		OL-1508-04F		OL-1502-01F		OL-1502-02F		OL-1502-03F		OL-1502-04F		OL-1502-05F
		SDG	180-902-1		180-1510-1		180-1510-1		180-1610-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	6/8/2011		6/28/2011		6/28/2011		6/30/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	3+ yrs		8+ yrs		8+ yrs		12 yrs		2+ yrs		2+ yrs		6 yrs		5 yrs		5 yrs
		Specimen Length	292 mm		417 mm		452 mm		475 mm		124 mm		119 mm		334 mm		328 mm		317 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		F		F		U		F		M		F		F		M
		Specimen Weight	355 g		1266 g		1282 g		1868 g		48 g		44 g		592 g		565 g		497 g
		Taxon	BB		SMB		SMB		SMB		PKSD		PKSD		BB		BB		BB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					5	U			12	U			3	J			
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					5	U			12	U			0.2	J			
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					2.1	J			12	U			5	U			
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					0.79	J			12	U			5	U			
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					7.9				12	U			0.47	J			
EPA 1613B	2,3,7,8-TCDD	ng/kg					1.7	J			2.4	U			1	U			
EPA 1613B	2,3,7,8-TCDF	ng/kg					4	J			2.4	U			0.15	J			
EPA 1613B	OCDD	ng/kg					10	U			24	U			36				
EPA 1613B	OCDF	ng/kg					10	U			24	U			10	U			
Percent Lipids	%LIPIDS DETERMINATION	%			2.3		1.8				1.2				0.07	J	0.14		
SW7471	MERCURY	mg/kg	0.32		1.4		1.7		2.5		0.13		0.18		0.37		0.32		0.18
SW8081	4,4'-DDD	ug/kg			7.3	JN	16	JN			0.38	JN			1.7	U	0.33	JN	
SW8081	4,4'-DDE	ug/kg			37	J	66	J			0.5	J			1.7	U	0.42	J	
SW8081	4,4'-DDT	ug/kg			18	JN	32	JN			1.7	U			1.7	U	1.7	U	
SW8081	HEXACHLOROBENZENE	ug/kg			11		22												
SW8082	AROCLOR-1016	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1221	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1232	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1242	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1248	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1254	ug/kg			590		1200				17				16	U	37		
SW8082	AROCLOR-1260	ug/kg			16	U	17	U			16	J			16	U	35		
SW8082	AROCLOR-1262	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1268	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	TOTAL PCBS	ug/kg			590		1200				35				16	U	72		

		Location		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-70124	
		Field Sample ID		OL-1504-10F		OL-1504-11F		OL-1504-12F		OL-1504-13F		OL-1504-14F		OL-1504-15F	
		SDG		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1	
		Sample Date		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		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	
		Specimen Age		7 yrs		6 yrs		7 yrs		7+ yrs		7 yrs		3+ yrs	
		Specimen Length		329 mm		315 mm		341 mm		184 mm		193 mm		145 mm	
		Sample Type		F		F		F		F		F		F	
		Specimen Sex		U		U		U		U		F		U	
		Specimen Weight		487 g		415 g		569 g		165 g		163 g		64 g	
		Taxon		BB		BB		BB		PKSD		PKSD		PKSD	
Method	Parameter Name	Units													
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,7,8-PECDD	ng/kg		5.1	U					5	U				
EPA 1613B	1,2,3,7,8-PECDF	ng/kg		5.1	U					5	U				
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg		5.1	U					5	U				
EPA 1613B	2,3,4,7,8-PECDF	ng/kg		2.6	J					0.36	J				
EPA 1613B	2,3,7,8-TCDD	ng/kg		0.11	J					1	U				
EPA 1613B	2,3,7,8-TCDF	ng/kg		0.18	J					0.75	J				
EPA 1613B	OCDD	ng/kg		10	U					10	U				
EPA 1613B	OCDF	ng/kg		10	U					10	U				
Percent Lipids	%LIPIDS DETERMINATION	%		0.14		0.52		0.32		0.11		0.14		0.12	J
SW7471	MERCURY	mg/kg		0.59		0.5		0.54		0.56		0.51		0.24	
SW8081	4,4'-DDD	ug/kg		1	JN	1.7	U	1	JN	1.1	JN	1.2	J	1.3	J
SW8081	4,4'-DDE	ug/kg		0.92	J	2.4	J	1.4	J	0.67	J	1.7	U	0.71	J
SW8081	4,4'-DDT	ug/kg		1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	3.7	
SW8081	HEXACHLOROBENZENE	ug/kg		4.7		30		5.8		2.5		0.32	J	3.1	
SW8082	AROCLOR-1016	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1221	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1232	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1242	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1248	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1254	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1260	ug/kg		28		75		44		37		16	U	22	
SW8082	AROCLOR-1262	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	AROCLOR-1268	ug/kg		17	U	16	U	17	U	17	U	16	U	16	U
SW8082	TOTAL PCBS	ug/kg		28		75		44		37		16	U	22	

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-40212		OL-STA-40212		OL-STA-40212
		Field Sample ID	OL-1527-10		OL-1527-11		OL-1527-12		OL-1527-07		OL-1527-08		OL-1527-09		OL-1527-04		OL-1527-05		OL-1527-06
		SDG	180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1
		Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	91 mm		85.8 mm		76.1 mm		74.9 mm		70.9 mm		72.9 mm		90.2 mm		73.9 mm		70.7 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex																	
		Specimen Weight	7.58 g		6.96 g		4.59 g		4.12 g		3.69 g		3.83 g		8.32 g		4.25 g		3.56 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.89		0.96		0.55		0.25		0.23		0.24		0.4		0.36		0.46

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50059		OL-STA-50059		OL-STA-50059
		Field Sample ID	OL-1527-01		OL-1527-02		OL-1527-03		OL-1527-13		OL-1527-14		OL-1527-15		OL-1527-16		OL-1527-17		OL-1527-18
		SDG	180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1
		Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	76.1 mm		87.4 mm		71.3 mm		85.2 mm		78.4 mm		78.4 mm		76.6 mm		90 mm		76.4 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex																	
		Specimen Weight	4.58 g		6.92 g		3.83 g		6.72 g		5.58 g		5.62 g		4.7 g		7.42 g		4.46 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.15		0.15		0.095		0.31		0.16		0.18		0.14		0.24		0.11

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-40212		OL-STA-40212		OL-STA-40212
		Field Sample ID	OL-1528-04		OL-1528-05		OL-1528-06		OL-1528-01		OL-1528-02		OL-1528-03		OL-1501-12		OL-1501-13		OL-1501-14
		SDG	180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-550-2		180-550-2		180-550-2
		Sample Date	8/4/2011		8/4/2011		8/4/2011		8/4/2011		8/4/2011		8/4/2011		5/25/2011		5/25/2011		5/25/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	90.2 mm		88.6 mm		89.2 mm		89.8 mm		87.2 mm		76.8 mm		122.8 mm		121.2 mm		118.8 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex													U		U		U
		Specimen Weight	8 g		7.68 g		6.8 g		8.3 g		6.98 g		4.33 g		14 g		13.6 g		14.8 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		ALE		ALE		ALE
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.19		0.19		0.18		0.4		0.45		0.35		0.24		0.2		0.24

		Location	OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1501-15		OL-1501-16		OL-1501-17		OL-1501-18		OL-1501-19		OL-1502-12		OL-1502-13		OL-1502-14		OL-1502-15
		SDG	180-550-2		180-550-2		180-550-2		180-550-2		180-550-2		180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	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
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	123.4 mm		120.6 mm		120.2 mm		133.2 mm		117.6 mm		117.4 mm		122.6 mm		122 mm		115.4 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex	U		U		U		U		U		U		U		U		U
		Specimen Weight	14.2 g		13.8 g		14 g		16.8 g		12.6 g		12.6 g		13 g		37.4 g		12.2 g
		Taxon	ALE		ALE		ALE		ALE		ALE		ALE		ALE		ALE		ALE
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.27		0.18		0.21		0.21		0.25		0.21		0.26		0.21		0.17

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1502-16		OL-1502-17		OL-1502-18		OL-1502-19
		SDG	180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	122.2 mm		117.8 mm		118 mm		122.4 mm
		Sample Type	WH		WH		WH		WH
		Specimen Sex	U		U		U		U
		Specimen Weight	14 g		12.6 g		12 g		13.6 g
		Taxon	ALE		ALE		ALE		ALE
Method	Parameter Name	Units							
SW7471	MERCURY	mg/kg	0.23		0.26		0.22		0.24