

# GREAT LAKES INDIAN FISH & WILDLIFE COMMISSION

P. O. Box 9 • Odanah, WI 54861 • 715/682-6619 • FAX 715/682-9294



## • MEMBER TRIBES •

### MICHIGAN

Bay Mills Community  
Keweenaw Bay Community  
Lac Vieux Desert Band

### WISCONSIN

Bad River Band  
Lac Courte Oreilles Band  
Lac du Flambeau Band

### MINNESOTA

Fond du Lac Band  
Mille Lacs Band

Red Cliff Band  
St. Croix Chippewa  
Sokaogon Chippewa

**To:** Neil Kmiecik, Biological Services Director

**From:** Sara Moses, Environmental Biologist

A handwritten signature in black ink that reads "Sara Moses".

**Date:** June 22, 2015

**Re:** Results of Mercury Testing of Inland Fish Collected in 2014

GLIFWC has collected information on mercury in walleye every year since 1989. The data are used to provide walleye consumption advice to member tribes so that tribal members can reduce their exposure to mercury while continuing to exercise their treaty rights to harvest and enjoy the health benefits of eating this resource. In 2014 GLIFWC was funded through a U.S. EPA Great Lakes Restoration Initiative (GLRI) grant [GL00E00613-0] to collect and test for mercury up to 360 walleye from inland lakes within the ceded territories. The data collected is used to update GLIFWC's mercury maps, which provide safe walleye consumption advice to our member tribes. The data presented here, along with previous years' data and data shared by the states of WI, MI, and MN will be used to update the maps in spring 2016. The maps were last updated in the spring of 2014. In addition, this grant allowed for the collection and mercury testing of up to 50 northern pike and/or muskellunge from inland lakes within the ceded territories. All fish collection and analysis was conducted according to the Quality Assurance Project Plan (QAPP) "Great Lakes Indian Fish and Wildlife Commission Mercury Testing and Updating Tribal Walleye Consumption Advice" approved by the EPA on June 24, 2011.

A total of 352 walleye were collected from 32 inland lakes within the 1837 and 1842 ceded territories of Wisconsin and Mille Lacs in the 1837 ceded territory of Minnesota. The number of walleye collected from each targeted lake, by size class, is shown in the attached Table 1. A total of 48 lakes were targeted for walleye collection to account for the inability to collect 12 fish from some lakes. Fillets of 12 northern pike from Mille Lacs as well as dorsal muscle plugs from 55 muskellunge from 18 Wisconsin inland lakes were also collected.

Skin-off walleye and northern pike fillets and muskellunge muscle plugs were analyzed for total mercury content by the Lake Superior Research Institute (LSRI) at the University of Wisconsin, Superior. LSRI provided the final report detailing these analyses on October 31, 2014 together with results of the QA/QC audit for these analyses (Appendix 1). All analytical QA/QC measures were within their respective acceptance ranges. The QA audit found no instances of deviation from or non-conformance with the project QAPP or applicable LSRI Standard Operating Procedures (SOPs).

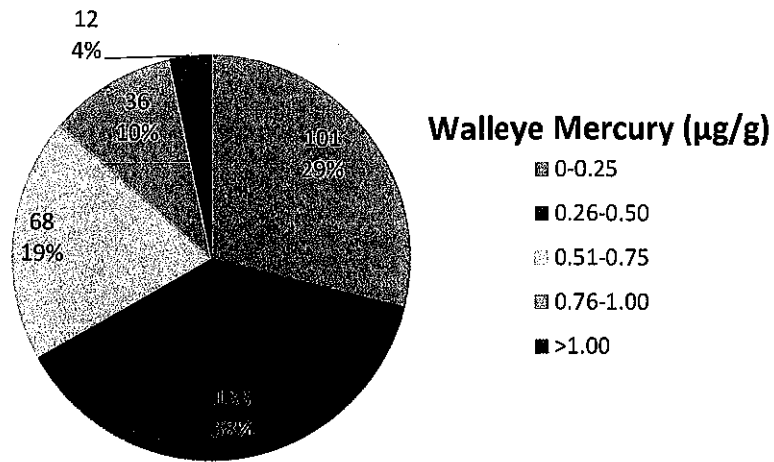
Total mercury concentrations in walleye on a wet weight basis ranged from 0.040 to 2.01  $\mu\text{g/g}$  (parts per million or ppm). Figure 1 shows the number of walleye falling into each of five mercury concentration ranges. Summary statistics for walleye mercury concentrations by lake can be found in the Table 2. The results of mercury analysis for each individual walleye tested are included in Table 3.

Total mercury concentrations in northern pike from Mille Lacs ranged from 0.143 to 0.594  $\mu\text{g/g}$ . Summary statistics for northern pike mercury concentrations by lake can be found in the Table 4. The results of mercury analysis for each individual northern pike tested are included in Table 5.

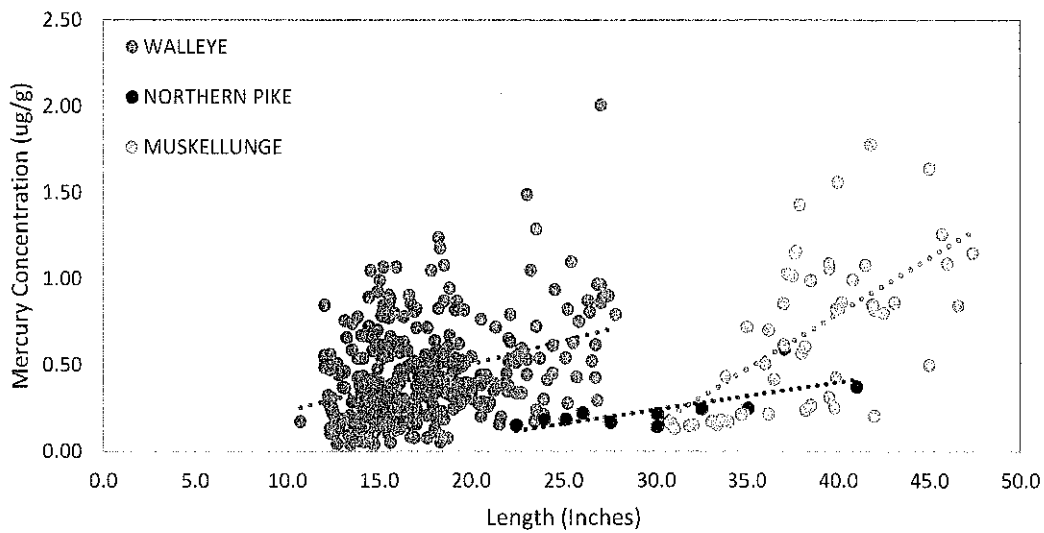
Total mercury concentrations in muskellunge on a wet weight basis ranged from 0.133 to 1.78  $\mu\text{g/g}$ . Summary statistics for muskellunge mercury concentrations by lake can be found in the Table 6. The results of mercury analysis for each individual muskellunge tested are included in Table 7.

Figure 2 displays mercury concentration versus length for each of the three inland species tested for mercury in 2014.

cc: John Coleman, Environmental Section Leader



**Figure 1:** Number of walleye collected from Inland Lakes during 2014 by mercury content



**Figure 2:** Mercury Concentration versus Length for Walleye, Northern Pike, and Muskellunge collected from Inland Lakes during 2014

**Table 1: Number of Walleye Collected from Inland Lakes Targeted for Sampling during Spring 2014**

STATE	COUNTY	LAKE	Collection Assigned to	12.0 to 14.9	15.0 to 17.9	18.0 to 22.0	> 22.0	Total Collected	% of Goal
MI	GOGEBIC	L GOGEBIC	Kniskern (LVD)						0%
MI	ONTONAGON	BOND FALLS FL	Kniskern (LVD)						0%
MN	MILLE LACS	MILLE LACS L	Inland Assessment	3	3	3	3	12	100%
WI	ASHLAND	MINERAL L	V. Stone (BR)						0%
WI	BARRON	RED CEDAR L	Kacizak (STC)	3	3	3		9	75%
WI	BAYFIELD	DIAMOND L	J. Stone (RCF)						0%
WI	BAYFIELD	L OWEN	J. Stone (RCF)						0%
WI	BAYFIELD	NAMEKAGON L	V. Stone (BR)	3	3	3	2	11	92%
WI	BAYFIELD	PIKE L CHAIN	J. Stone (RCF)	3	3	3	1	10	83%
WI	BAYFIELD	SISKIWT L	Inland Assessment	3	3	3		9	67%
WI	BAYFIELD	UPPER EAU CLAIRE L	J. Stone (RCF)	3	3	4	2	12	100%
WI	DOUGLAS	UPPER ST CROIX L	J. Stone (RCF)						0%
WI	FOREST	BUTTERNUT L	McGeshick (MLK)	3	3	3	1	10	83%
WI	FOREST	ROBERTS L	McGeshick (MLK)	3	3	3	1	10	83%
WI	IRON	GILE FL	Bad River DNR	6	6			12	100%
WI	IRON	ISLAND L	Bad River DNR	5	7			12	100%
WI	IRON	PINE L	Bad River DNR	4	6	1	1	12	100%
WI	IRON	TURTLE-FLAMBEAU FL	GLIFWC Bio	3	3	3	3	12	100%
WI	LINCOLN	L MOHAWKSIN	Moermond (LDF)	3	3			6	50%
WI	ONEIDA	BEARSKIN L	Inland Assessment	3	3	3	3	12	100%
WI	ONEIDA	GEORGE L	McGeshick (MLK)	3	3	3		9	75%
WI	ONEIDA	HASBROOK L	Moermond (LDF)	3	3	3	2	11	92%
WI	ONEIDA	MINOCQUA L	GLIFWC Bio	3	3	3	3	12	100%
WI	ONEIDA	PELICAN L	McGeshick (MLK)	3	4	4	1	12	100%
WI	ONEIDA	RHINELANDER FL	McGeshick (MLK)						0%
WI	ONEIDA	SQUIRREL L	Inland Assessment	3	3	3	3	12	100%
WI	PRICE	BUTTERNUT L	GLIFWC Bio	3	4	2	3	12	100%
WI	PRICE	SOLBERG L	V. Stone (BR)	5	2	2		9	75%
WI	SAWYER	BARBER L	Tuori (LCO)						0%
WI	SAWYER	L CHIPPEWA	Tuori (LCO)	3	2	4	3	12	100%
WI	SAWYER	ROUND L	Tuori (LCO)	3	3	4	2	12	100%
WI	VILAS	BIG ARBOR VITAE L	Moermond (LDF)	3	3	3	3	12	100%
WI	VILAS	BIG L (MI BORDER)	Moermond (LDF)						0%
WI	VILAS	BIG PORTAGE L	Moermond (LDF)						0%
WI	VILAS	CLEAR L	Moermond (LDF)	3	3	3	2	11	92%
WI	VILAS	CRAB L	V. Stone (BR)						0%
WI	VILAS	ISLAND L	GLIFWC Bio	3	3	3	3	12	100%
WI	VILAS	L LAURA	Moermond (LDF)						0%
WI	VILAS	LONG L	McGeshick (MLK)	3	3	3	3	12	100%
WI	VILAS	MANITOWISH L	GLIFWC Bio						0%
WI	VILAS	PRESQUE ISLE L CHAIN	V. Stone (BR)	3	3	3	3	12	100%
WI	VILAS	REST L	Moermond (LDF)	3	3	3	2	11	92%
WI	VILAS	SQUAW L	Inland Assessment	3	3	3	3	12	100%
WI	VILAS	TROUT L	Moermond (LDF)						0%
WI	VILAS	TWIN L CHAIN	McGeshick (MLK)	3	3	2		8	67%
WI	WASHBURN	BASS L	Kacizak (STC)						0%
WI	WASHBURN	BASS-PATTERSON L	Inland Assessment	3	3	3	3	12	100%
WI	WASHBURN	SHELL L	Kacizak (STC)						0%
								<b>352</b>	<b>99%</b>

**Table 2: Summary Statistics by Lake for Length, Weight, and Mercury Concentration ( $\mu\text{g/g}$  wet weight) of Walleye Collected from Inland Lakes during Spring 2014**

Lake	County	N	Length (Inches)		Mercury ( $\mu\text{g/g}$ ww)		Weight (pounds)	
			Range	Mean	Range	Mean	Range	Mean
Mille Lacs	Mille Lacs (MN)	12	13.4-23.9	17.8	0.040-0.350	0.107	0.82-5.46	2.08
Red Cedar L	Barron	9	12.3-19.3	15.7	0.135-0.624	0.338	0.58-2.57	1.33
Namekagon L	Bayfield	11	12.8-25.7	17.3	0.343-0.947	0.577	0.62-7.46	2.08
Pike L Chain	Bayfield	10	12.6-22.4	16.9	0.149-0.512	0.312	0.57-4.35	1.71
Siskiwit L	Bayfield	9	12.0-18.3	16.3	0.540-1.24	0.870	0.45-1.78	1.27
Upper Eau Claire L	Bayfield	12	14.2-24.5	18.5	0.312-0.938	0.550	0.23-4.26	2.12
Butternut L	Forest	10	12.7-23.5	16.9	0.045-0.297	0.148	0.60-4.66	1.73
Roberts L	Forest	10	14.6-26.8	17.5	0.318-0.970	0.486	0.97-7.44	2.14
Gile FL	Iron	12	12.4-16.6	14.8	0.309-0.907	0.637	0.54-1.37	0.97
Island L	Iron	12	12.3-15.5	14.2	0.474-1.07	0.814	0.56-1.10	0.86
Pine L	Iron	12	13.2-23.2	16.1	0.539-1.07	0.764	0.78-4.77	1.53
Turtle-Flambeau FL	Iron	12	12.0-22.0	15.9	0.200-0.844	0.442	0.46-2.96	1.28
L Mohawksin	Lincoln	6	13.9-17.6	15.0	0.288-0.718	0.537	0.63-2.27	1.19
Bearskin L	Oneida	12	13.3-26.8	18.4	0.094-0.295	0.183	0.60-6.72	2.61
George L	Oneida	9	12.5-19.4	16.1	0.210-0.478	0.325	0.63-2.68	1.53
Hasbrook L	Oneida	11	10.7-27.1	18.0	0.175-0.891	0.407	0.35-6.51	2.20
Minocqua L	Oneida	12	13.6-25.4	18.2	0.089-1.10	0.300	0.88-4.51	2.23
Pelican L	Oneida	12	14.0-24.4	17.8	0.081-0.614	0.275	0.90-2.94	1.95
Squirrel L	Oneida	12	12.6-27.0	18.4	0.123-0.965	0.413	0.57-6.64	2.41
Butternut L	Price	12	13.5-27.0	18.2	0.589-2.01	0.936	1.15-7.29	2.39
Solberg L	Price	9	12.4-20.8	15.7	0.230-0.782	0.407	0.55-3.15	1.33
L Chippewa	Sawyer	12	14.0-25.8	19.2	0.191-0.754	0.472	0.61-8.19	2.63
Round L	Sawyer	12	13.9-22.7	17.8	0.101-0.794	0.268	0.78-4.56	1.93
Big Arbor Vitae L	Vilas	12	14.5-26.7	18.7	0.097-0.427	0.217	0.99-7.73	2.59
Clear L	Vilas	11	13.7-26.7	18.1	0.179-0.617	0.374	0.74-7.39	2.38
Island L	Vilas	12	12.5-26.5	18.4	0.063-0.654	0.281	0.50-7.55	2.36
Long L	Vilas	12	13.5-27.8	19.4	0.179-0.903	0.462	0.90-9.08	3.39
Presque Isle L Chain	Vilas	12	12.8-27.0	18.7	0.137-0.863	0.356	0.56-8.33	2.81
Rest L	Vilas	11	13.1-25.2	17.9	0.317-0.825	0.521	0.67-5.34	2.11
Squaw L	Vilas	12	12.2-19.1	14.9	0.259-0.821	0.453	0.59-2.19	1.18
Twin L Chain	Vilas	8	12.3-19.4	16.0	0.106-0.395	0.238	0.59-2.34	1.31
Bass-Patterson L	Washburn	12	13.0-23.0	17.1	0.183-0.534	0.330	0.59-4.02	1.67

**Table 3: Mercury Concentration ( $\mu\text{g/g}$  wet weight), Length (inches), Sex, and Weight (pounds) of Individual Walleye Collected from Inland Lakes during Spring 2014**

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g}$ ww)	Sample Number	Sex	Age	Date	Weight (Pounds)
MILLE LACS	MILLE LACS (MN)	18.3	0.055	6830	M	7	5/2/2014	2.16
MILLE LACS	MILLE LACS (MN)	14.2	0.056	6832	M	4	5/2/2014	1.01
MILLE LACS	MILLE LACS (MN)	15.6	0.053	6843	M	5	5/2/2014	1.28
MILLE LACS	MILLE LACS (MN)	18.7	0.078	6844	M	7	5/2/2014	2.63
MILLE LACS	MILLE LACS (MN)	17.6	0.080	6845	M	7	5/2/2014	2.21
MILLE LACS	MILLE LACS (MN)	21.9	0.350	6853	F	7	5/2/2014	4.09
MILLE LACS	MILLE LACS (MN)	16.7	0.084	6856	M	6	5/2/2014	1.64
MILLE LACS	MILLE LACS (MN)	23.9	0.213	12803	F	8	5/2/2014	5.46
MILLE LACS	MILLE LACS (MN)	21.5	0.158	12810	M	8	5/2/2014	1.05
MILLE LACS	MILLE LACS (MN)	14.7	0.041	12829	M	4	5/2/2014	0.95
MILLE LACS	MILLE LACS (MN)	13.4	0.040	12893	M	3	5/2/2014	0.82
MILLE LACS	MILLE LACS (MN)	16.9	0.081	12904	M	7	5/2/2014	1.69
RED CEDAR L	BARRON	18.0	0.501	1975	M	7	5/4/2014	1.87
RED CEDAR L	BARRON	17.0	0.379	1976	M	9	5/4/2014	1.43
RED CEDAR L	BARRON	15.1	0.266	1977	M	5	5/4/2014	1.02
RED CEDAR L	BARRON	18.1	0.443	1979	M	9	5/4/2014	1.94
RED CEDAR L	BARRON	15.5	0.294	1981	M	6	5/4/2014	1.23
RED CEDAR L	BARRON	12.3	0.135	1984	M	3	5/4/2014	0.58
RED CEDAR L	BARRON	12.5	0.225	1986	M	4	5/4/2014	0.61
RED CEDAR L	BARRON	19.3	0.624	1988	M	10	5/4/2014	2.57
RED CEDAR L	BARRON	13.7	0.175	1989	M	4	5/4/2014	0.71
NAMEKAGON L	BAYFIELD	18.8	0.947	1681	F	8	5/8/2014	2.20
NAMEKAGON L	BAYFIELD	25.7	0.431	1682	F	10	5/8/2014	7.47
NAMEKAGON L	BAYFIELD	22.1	0.637	1683	F	12	5/8/2014	3.40
NAMEKAGON L	BAYFIELD	14.8	0.628	1684	M	7	5/8/2014	0.90
NAMEKAGON L	BAYFIELD	18.2	0.829	1685	M	10	5/8/2014	2.04
NAMEKAGON L	BAYFIELD	13.1	0.464	1687	M	6	5/8/2014	0.68
NAMEKAGON L	BAYFIELD	18.0	0.527	1689	F	9	5/8/2014	2.03
NAMEKAGON L	BAYFIELD	15.2	0.343	1690	M	6	5/8/2014	1.13
NAMEKAGON L	BAYFIELD	15.6	0.608	1691	M	8	5/8/2014	1.13
NAMEKAGON L	BAYFIELD	12.8	0.445	1693	M	5	5/8/2014	0.62
NAMEKAGON L	BAYFIELD	16.5	0.490	1695	M	8	5/8/2014	1.27
PIKE L CHAIN	BAYFIELD	18.2	0.512	1832	M	7	5/10/2014	1.70
PIKE L CHAIN	BAYFIELD	14.9	0.154	1834	M	5	5/10/2014	1.01
PIKE L CHAIN	BAYFIELD	22.4	0.517	1836	F	12	5/10/2014	4.35
PIKE L CHAIN	BAYFIELD	15.5	0.212	1837	M	5	5/10/2014	1.08
PIKE L CHAIN	BAYFIELD	17.9	0.389	1838	F	8	5/10/2014	2.01
PIKE L CHAIN	BAYFIELD	12.6	0.149	1839	M	3	5/10/2014	0.57
PIKE L CHAIN	BAYFIELD	14.3	0.281	1840	M	4	5/10/2014	0.78
PIKE L CHAIN	BAYFIELD	15.3	0.250	1842	M	5	5/10/2014	1.16
PIKE L CHAIN	BAYFIELD	19.3	0.341	1843	M	10	5/10/2014	2.21
PIKE L CHAIN	BAYFIELD	19.0	0.315	1844	F	8	5/10/2014	2.28
SISKIWIT L	BAYFIELD	18.2	1.24	6848	F	9	5/5/2014	1.70
SISKIWIT L	BAYFIELD	14.4	0.670	6850	M	8	5/5/2014	0.87
SISKIWIT L	BAYFIELD	12.0	0.848	6851	M	4	5/5/2014	0.45
SISKIWIT L	BAYFIELD	17.8	1.05	11916	F	6	5/5/2014	1.72
SISKIWIT L	BAYFIELD	16.7	0.860	12982	M	6	5/5/2014	1.28
SISKIWIT L	BAYFIELD	18.3	1.18	12983	M	5	5/5/2014	1.78
SISKIWIT L	BAYFIELD	16.9	0.812	12985	M	6	5/5/2014	1.10
SISKIWIT L	BAYFIELD	18.1	0.588	12987	F	7	5/5/2014	1.71
SISKIWIT L	BAYFIELD	14.1	0.540	12988	M	4	5/5/2014	0.83
UPPER EAU CLAIRE L	BAYFIELD	14.3	0.348	1816	M	3	5/7/2014	0.23
UPPER EAU CLAIRE L	BAYFIELD	14.2	0.400	1817	M	5	5/7/2014	0.86
UPPER EAU CLAIRE L	BAYFIELD	19.6	0.821	1818	M	11	5/7/2014	2.53
UPPER EAU CLAIRE L	BAYFIELD	17.6	0.554	1820	M	7	5/7/2014	1.83
UPPER EAU CLAIRE L	BAYFIELD	16.6	0.499	1822	M	6	5/7/2014	1.45
UPPER EAU CLAIRE L	BAYFIELD	18.7	0.520	1823	M	6	5/7/2014	1.90
UPPER EAU CLAIRE L	BAYFIELD	23.5	0.726	1825	F	11	5/7/2014	3.86
UPPER EAU CLAIRE L	BAYFIELD	14.6	0.312	1826	M	3	5/7/2014	0.99
UPPER EAU CLAIRE L	BAYFIELD	24.5	0.938	1827	M	14	5/7/2014	4.26
UPPER EAU CLAIRE L	BAYFIELD	17.3	0.423	1828	M	5	5/7/2014	1.81
UPPER EAU CLAIRE L	BAYFIELD	19.1	0.539	1829	M	8	5/7/2014	2.16
UPPER EAU CLAIRE L	BAYFIELD	22.0	0.524	1820	M	12	5/7/2014	3.55
BUTTERNUT L	FOREST	12.7	0.045	11944	M	3	5/10/2014	0.60
BUTTERNUT L	FOREST	16.2	0.170	11945	M	7	5/10/2014	1.39

Lake	County	Length (Inches)	Mercury (µg/g ww)	Sample Number	Sex	Age	Date	Weight (Pounds)
BUTTERNUT L	FOREST	13.9	0.062	12709	M	4	5/10/2014	0.92
BUTTERNUT L	FOREST	13.9	0.084	12713	M	4	5/10/2014	0.84
BUTTERNUT L	FOREST	18.3	0.092	12717	F	5	5/10/2014	2.01
BUTTERNUT L	FOREST	17.0	0.170	12788	M	9	5/10/2014	1.58
BUTTERNUT L	FOREST	19.5	0.297	12814	F	9	5/10/2014	2.06
BUTTERNUT L	FOREST	18.3	0.188	12826	F	10	5/10/2014	1.90
BUTTERNUT L	FOREST	16.1	0.133	12835	M	8	5/10/2014	1.36
BUTTERNUT L	FOREST	23.5	0.240	12836	F	8	5/10/2014	4.66
ROBERTS L	FOREST	26.8	0.970	1746	F	11	5/12/2014	7.44
ROBERTS L	FOREST	19.2	0.379	1747	F	7	5/12/2014	2.69
ROBERTS L	FOREST	14.9	0.384	1748	M	4	5/12/2014	1.11
ROBERTS L	FOREST	18.0	0.642	1749	M	7	5/12/2014	1.83
ROBERTS L	FOREST	15.1	0.340	1750	M	6	5/12/2014	1.00
ROBERTS L	FOREST	16.5	0.586	1751	M	7	5/12/2014	1.52
ROBERTS L	FOREST	15.6	0.388	1752	M	6	5/12/2014	1.15
ROBERTS L	FOREST	19.5	0.528	1754	M	8	5/12/2014	2.57
ROBERTS L	FOREST	14.8	0.318	1755	M	5	5/12/2014	0.97
ROBERTS L	FOREST	14.6	0.325	1898	M	6	5/12/2014	1.09
GILE FL	IRON	14.6	0.407	6793	M	4	5/15/2014	0.92
GILE FL	IRON	14.1	0.438	12777	M	4	5/15/2014	0.81
GILE FL	IRON	12.4	0.309	12808	M	4	5/15/2014	0.54
GILE FL	IRON	15.2	0.819	12811	M	6	5/15/2014	1.08
GILE FL	IRON	13.8	0.430	12813	M	6	5/15/2014	0.76
GILE FL	IRON	16.6	0.907	12816	M	7	5/15/2014	1.37
GILE FL	IRON	14.4	0.728	12820	M	6	5/15/2014	0.95
GILE FL	IRON	14.6	0.586	12832	M	5	5/15/2014	0.86
GILE FL	IRON	15.1	0.787	12914	M	7	5/15/2014	1.01
GILE FL	IRON	15.6	0.810	12920	M	7	5/15/2014	1.18
GILE FL	IRON	15.8	0.803	12926	M	7	5/15/2014	1.14
GILE FL	IRON	15.1	0.616	12957	F	6	5/15/2014	1.00
ISLAND L	IRON	15.5	0.907	6785	M	6	5/15/2014	1.10
ISLAND L	IRON	14.4	0.895	6789	F	6	5/15/2014	0.86
ISLAND L	IRON	15.0	0.993	6791	M	9	5/15/2014	0.94
ISLAND L	IRON	14.5	1.05	6821	M	8	5/15/2014	0.96
ISLAND L	IRON	15.5	0.775	6822	M	4	5/15/2014	0.98
ISLAND L	IRON	13.1	0.760	6856	M	6	5/15/2014	0.69
ISLAND L	IRON	12.3	0.562	12824	M	4	5/15/2014	0.56
ISLAND L	IRON	15.2	0.846	12840	M	5	5/15/2014	1.00
ISLAND L	IRON	15.2	1.07	12848	M	5	5/15/2014	1.03
ISLAND L	IRON	12.3	0.474	12851	M	3	5/15/2014	0.57
ISLAND L	IRON	14.9	0.928	12928	F	7	5/15/2014	0.98
ISLAND L	IRON	12.7	0.511	12932	M	6	5/15/2014	0.65
PINE L	IRON	18.5	0.873	2281	F	9	5/14/2014	2.13
PINE L	IRON	15.2	0.562	6786	M	6	5/14/2014	1.04
PINE L	IRON	16.3	0.610	6790	M	6	5/14/2014	1.44
PINE L	IRON	23.2	1.05	12816	F	19	5/14/2014	4.77
PINE L	IRON	17.0	0.830	12844	F	8	5/14/2014	1.83
PINE L	IRON	14.0	0.674	12853	M	5	5/14/2014	0.79
PINE L	IRON	15.9	1.07	12896	F	6	5/14/2014	1.18
PINE L	IRON	13.2	0.661	12899	M	5	5/14/2014	0.79
PINE L	IRON	13.8	0.539	12900	M	6	5/14/2014	0.97
PINE L	IRON	15.6	0.886	12908	M	7	5/14/2014	1.22
PINE L	IRON	13.8	0.780	12916	M	8	5/14/2014	0.82
PINE L	IRON	16.3	0.634	12934	M	10	5/14/2014	1.39
TURTLE-FLAMBEAU FL	IRON	22.0	0.379	1932	F	8	5/10/2014	2.96
TURTLE-FLAMBEAU FL	IRON	16.0	0.296	1935	M	7	5/10/2014	1.15
TURTLE-FLAMBEAU FL	IRON	15.5	0.258	1936	M	8	5/10/2014	1.12
TURTLE-FLAMBEAU FL	IRON	20.0	0.391	1937	F	7	5/10/2014	2.31
TURTLE-FLAMBEAU FL	IRON	17.0	0.252	1938	M	6	5/10/2014	1.40
TURTLE-FLAMBEAU FL	IRON	15.0	0.200	1940	M	5	5/10/2014	0.96
TURTLE-FLAMBEAU FL	IRON	18.5	0.543	1942	M	11	5/10/2014	1.82
TURTLE-FLAMBEAU FL	IRON	12.0	0.558	1969	M	5	5/8/2014	0.52
TURTLE-FLAMBEAU FL	IRON	12.0	0.489	1970	M	4	5/8/2014	0.46
TURTLE-FLAMBEAU FL	IRON	12.0	0.546	1972	M	6	5/8/2014	0.51
TURTLE-FLAMBEAU FL	IRON	15.5	0.844	1973	M	9	5/8/2014	1.14
TURTLE-FLAMBEAU FL	IRON	15.5	0.553	1974	M	7	5/8/2014	1.06
L MOHAWKSIN	LINCOLN	15.8	0.584	1606	M	9	5/3/2014	1.12
L MOHAWKSIN	LINCOLN	16.1	0.574	1607	M	6	5/3/2014	1.35

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g}$ ww)	Sample Number	Sex	Age	Date	Weight (Pounds)
L MOHAWKSIN	LINCOLN	13.9	0.387	1608	M	3	5/3/2014	0.89
L MOHAWKSIN	LINCOLN	17.6	0.718	1612	F	4	5/3/2014	2.27
L MOHAWKSIN	LINCOLN	12.2	0.288	1614	M	10	5/3/2014	0.64
L MOHAWKSIN	LINCOLN	14.2	0.672	1617	M	8	5/3/2014	0.90
BEARSKIN L	ONEIDA	23.4	0.174	6818	F	9	5/7/2014	5.18
BEARSKIN L	ONEIDA	13.3	0.094	6820	M	5	5/7/2014	0.69
BEARSKIN L	ONEIDA	21.6	0.199	6842	F	8	5/7/2014	3.34
BEARSKIN L	ONEIDA	15.7	0.197	12705	M	5	5/7/2014	1.44
BEARSKIN L	ONEIDA	26.8	0.295	12780	F	9	5/7/2014	6.72
BEARSKIN L	ONEIDA	18.5	0.187	12781	M	6	5/7/2014	1.97
BEARSKIN L	ONEIDA	15.9	0.196	12842	M	8	5/7/2014	1.28
BEARSKIN L	ONEIDA	13.6	0.099	12847	M	5	5/7/2014	0.73
BEARSKIN L	ONEIDA	15.6	0.140	12892	M	6	5/7/2014	1.17
BEARSKIN L	ONEIDA	12.5	0.144	12895	M	7	5/7/2014	0.60
BEARSKIN L	ONEIDA	18.2	0.195	12900	F	10	5/7/2014	2.04
BEARSKIN L	ONEIDA	25.2	0.280	12919	F	13	5/7/2014	6.21
GEORGE L	ONEIDA	15.5	0.353	1756	M	4	5/6/2014	1.16
GEORGE L	ONEIDA	19.2	0.478	1760	F	9	5/6/2014	2.64
GEORGE L	ONEIDA	12.5	0.215	1761	M	4	5/6/2014	0.63
GEORGE L	ONEIDA	16.2	0.437	1763	M	7	5/6/2014	1.47
GEORGE L	ONEIDA	19.4	0.277	1764	F	7	5/6/2014	2.68
GEORGE L	ONEIDA	18.2	0.365	1765	F	8	5/6/2014	1.89
GEORGE L	ONEIDA	15.8	0.320	1766	M	5	5/6/2014	1.40
GEORGE L	ONEIDA	13.4	0.210	1768	M	6	5/6/2014	0.76
GEORGE L	ONEIDA	14.8	0.268	1769	M	7	5/6/2014	1.14
HASBROOK L	ONEIDA	18.7	0.355	1716	F	9	5/10/2014	2.39
HASBROOK L	ONEIDA	18.0	0.339	1717	M	10	5/10/2014	1.69
HASBROOK L	ONEIDA	27.1	0.891	1720	F	10	5/10/2014	5.69
HASBROOK L	ONEIDA	26.3	0.874	1722	F	11	5/10/2014	6.51
HASBROOK L	ONEIDA	16.3	0.258	1724	F	6	5/10/2014	1.16
HASBROOK L	ONEIDA	10.7	0.175	1725	M	3	5/10/2014	0.35
HASBROOK L	ONEIDA	18.1	0.439	1726	M	10	5/10/2014	1.90
HASBROOK L	ONEIDA	17.1	0.317	1727	M	8	5/10/2014	1.49
HASBROOK L	ONEIDA	14.8	0.238	1728	M	6	5/10/2014	0.96
HASBROOK L	ONEIDA	14.7	0.241	1729	M	5	5/10/2014	0.94
HASBROOK L	ONEIDA	15.9	0.368	1730	M	8	5/10/2014	1.11
MINOCQUA L	ONEIDA	13.6	0.116	1952	M	5	5/10/2014	0.88
MINOCQUA L	ONEIDA	14.6	0.089	1955	M	5	5/10/2014	1.12
MINOCQUA L	ONEIDA	15.5	0.148	1960	M	5	5/10/2014	1.21
MINOCQUA L	ONEIDA	16.3	0.302	1961	M	10	5/10/2014	1.65
MINOCQUA L	ONEIDA	15.6	0.134	1962	M	4	5/10/2014	1.35
MINOCQUA L	ONEIDA	17.7	0.311	1963	M	12	5/10/2014	1.78
MINOCQUA L	ONEIDA	17.9	0.265	1964	M	8	5/10/2014	1.94
MINOCQUA L	ONEIDA	17.8	0.217	1965	M	6	5/10/2014	1.93
MINOCQUA L	ONEIDA	21.3	0.378	1966	F	10	5/10/2014	3.55
MINOCQUA L	ONEIDA	22.4	0.340	1967	F	8	5/10/2014	4.03
MINOCQUA L	ONEIDA	20.5	0.202	1968	F	7	5/10/2014	2.86
MINOCQUA L	ONEIDA	25.4	1.10	1971	F	13	5/10/2014	4.51
PELICAN L	ONEIDA	21.2	0.395	1771	M	10	5/8/2014	2.94
PELICAN L	ONEIDA	17.0	0.160	1772	M	7	5/8/2014	1.64
PELICAN L	ONEIDA	14.9	0.168	1773	M	6	5/6/2014	1.05
PELICAN L	ONEIDA	17.1	0.218	1774	F	5	5/6/2014	1.74
PELICAN L	ONEIDA	15.8	0.143	1775	M	4	5/6/2014	1.11
PELICAN L	ONEIDA	14.0	0.081	1777	M	4	5/6/2014	0.90
PELICAN L	ONEIDA	18.0	0.409	1778	M	9	5/6/2014	1.80
PELICAN L	ONEIDA	19.7	0.400	1779	M	10	5/6/2014	2.16
PELICAN L	ONEIDA	14.0	0.107	1780	M	5	5/6/2014	0.90
PELICAN L	ONEIDA	16.7	0.157	1783	M	6	5/6/2014	1.28
PELICAN L	ONEIDA	24.4	0.614	1784	F	11	5/6/2014	5.08
PELICAN L	ONEIDA	20.5	0.443	1785	M	8	5/6/2014	2.69
SQUIRREL L	ONEIDA	17.6	0.437	1802	M	8	5/5/2014	1.64
SQUIRREL L	ONEIDA	19.5	0.367	6885	F	8	5/5/2014	2.20
SQUIRREL L	ONEIDA	15.2	0.254	12707	M	6	5/5/2014	1.00
SQUIRREL L	ONEIDA	16.1	0.473	12811	M	7	5/5/2014	1.21
SQUIRREL L	ONEIDA	12.6	0.170	12885	M	4	5/5/2014	0.57
SQUIRREL L	ONEIDA	21.2	0.351	12886	M	8	5/5/2014	3.33
SQUIRREL L	ONEIDA	13.6	0.154	12887	M	4	5/5/2014	0.76
SQUIRREL L	ONEIDA	27.0	0.965	12903	F	14	5/5/2014	6.65



Lake	County	Length (Inches)	Mercury (µg/g ww)	Sample Number	Sex	Age	Date	Weight (Pounds)
SQUIRREL L	ONEIDA	26.4	0.808	12905	F	14	5/5/2014	6.54
SQUIRREL L	ONEIDA	12.6	0.123	12917	M	4	5/5/2014	0.57
SQUIRREL L	ONEIDA	20.8	0.442	12921	M	8	5/5/2014	2.85
SQUIRREL L	ONEIDA	18.5	0.407	12927	F	11	5/5/2014	1.64
BUTTERNUT L	PRICE	16.0	0.596	1945	M	7	5/5/2014	1.46
BUTTERNUT L	PRICE	23.5	1.29	1947	F	10	5/5/2014	4.62
BUTTERNUT L	PRICE	20.5	0.767	1948	F	8	5/5/2014	3.26
BUTTERNUT L	PRICE	23.0	1.49	1949	F	11	5/5/2014	3.77
BUTTERNUT L	PRICE	17.0	0.717	1950	M	7	5/5/2014	1.27
BUTTERNUT L	PRICE	16.0	0.633	1951	M	8	5/5/2014	1.38
BUTTERNUT L	PRICE	27.0	2.01	1953	F	15	5/5/2014	7.29
BUTTERNUT L	PRICE	15.5	0.615	1954	M	6	5/5/2014	1.26
BUTTERNUT L	PRICE	14.9	0.703	1956	M	6	5/5/2014	1.15
BUTTERNUT L	PRICE	18.5	1.08	1957	F	8	5/5/2014	1.85
BUTTERNUT L	PRICE	13.5	0.589	1958	M	4	5/5/2014	0.64
BUTTERNUT L	PRICE	13.5	0.744	1959	M	6	5/5/2014	0.69
SOLBERG L	PRICE	13.5	0.287	1651	M	5	5/4/2014	0.71
SOLBERG L	PRICE	12.4	0.230	1653	M	6	5/4/2014	0.55
SOLBERG L	PRICE	14.6	0.419	1655	M	6	5/4/2014	0.91
SOLBERG L	PRICE	14.6	0.254	1656	M	5	5/4/2014	1.00
SOLBERG L	PRICE	16.3	0.782	1657	M	12	5/4/2014	1.22
SOLBERG L	PRICE	14.9	0.480	1661	M	7	5/4/2014	1.04
SOLBERG L	PRICE	18.0	0.341	1662	F	9	5/4/2014	1.94
SOLBERG L	PRICE	16.3	0.440	1663	M	8	5/4/2014	1.46
SOLBERG L	PRICE	20.8	0.426	1664	F	11	5/4/2014	3.15
L CHIPPEWA	SAWYER	14.4	0.343	6827	M	5	5/4/2014	0.61
L CHIPPEWA	SAWYER	17.5	0.561	6831	M	8	5/4/2014	1.80
L CHIPPEWA	SAWYER	14.9	0.191	6837	M	4	5/4/2014	0.96
L CHIPPEWA	SAWYER	14.0	0.200	6838	M	4	5/4/2014	0.80
L CHIPPEWA	SAWYER	21.9	0.454	6839	F	9	5/4/2014	3.33
L CHIPPEWA	SAWYER	18.6	0.594	6840	M	12	5/4/2014	2.21
L CHIPPEWA	SAWYER	18.1	0.426	12802	M	9	5/4/2014	1.88
L CHIPPEWA	SAWYER	25.8	0.754	12804	F	11	5/4/2014	8.19
L CHIPPEWA	SAWYER	22.4	0.548	12805	F	9	5/4/2014	3.96
L CHIPPEWA	SAWYER	17.9	0.502	12806	M	9	5/4/2014	1.85
L CHIPPEWA	SAWYER	19.0	0.465	12808	M	9	5/4/2014	2.17
L CHIPPEWA	SAWYER	25.5	0.630	12809	F	10	5/4/2014	3.76
ROUND L	SAWYER	22.7	0.339	6833	F	8	5/12/2014	4.56
ROUND L	SAWYER	16.7	0.192	6836	M	8	5/12/2014	1.45
ROUND L	SAWYER	20.5	0.429	11975	M	6	5/12/2014	2.55
ROUND L	SAWYER	15.8	0.122	12805	M	4	5/12/2014	1.07
ROUND L	SAWYER	13.9	0.104	12807	M	3	5/12/2014	0.78
ROUND L	SAWYER	22.1	0.794	12819	F	7	5/12/2014	3.98
ROUND L	SAWYER	15.5	0.101	12843	M	4	5/12/2014	1.05
ROUND L	SAWYER	18.5	0.344	12845	M	7	5/12/2014	1.97
ROUND L	SAWYER	14.7	0.111	12911	M	4	5/12/2014	0.96
ROUND L	SAWYER	18.1	0.187	12923	F	5	5/12/2014	1.77
ROUND L	SAWYER	19.9	0.315	12930	M	9	5/12/2014	2.18
ROUND L	SAWYER	14.7	0.180	12952	M	4	5/12/2014	0.85
BIG ARBOR VITAE L	VILAS	23.9	0.303	1501	F	9	5/10/2014	4.43
BIG ARBOR VITAE L	VILAS	14.9	0.135	1502	M	6	5/10/2014	1.08
BIG ARBOR VITAE L	VILAS	18.4	0.191	1503	M	8	5/10/2014	2.07
BIG ARBOR VITAE L	VILAS	24.1	0.415	1504	F	14	5/10/2014	5.06
BIG ARBOR VITAE L	VILAS	17.6	0.209	1507	M	8	5/10/2014	1.82
BIG ARBOR VITAE L	VILAS	18.4	0.231	1508	M	8	5/10/2014	2.01
BIG ARBOR VITAE L	VILAS	14.5	0.097	1509	M	6	5/10/2014	1.02
BIG ARBOR VITAE L	VILAS	16.1	0.148	1511	M	6	5/10/2014	1.30
BIG ARBOR VITAE L	VILAS	17.0	0.188	1512	M	8	5/10/2014	1.54
BIG ARBOR VITAE L	VILAS	14.7	0.126	1513	M	5	5/10/2014	0.99
BIG ARBOR VITAE L	VILAS	18.0	0.133	1514	F	5	5/10/2014	2.07
BIG ARBOR VITAE L	VILAS	26.7	0.427	1515	F	14	5/10/2014	7.73
CLEAR L	VILAS	19.5	0.496	1546	F	9	5/10/2014	2.59
CLEAR L	VILAS	13.7	0.179	1548	M	4	5/10/2014	0.74
CLEAR L	VILAS	15.9	0.307	1549	M	6	5/10/2014	1.32
CLEAR L	VILAS	15.0	0.231	1550	M	6	5/10/2014	0.97
CLEAR L	VILAS	26.7	0.617	1551	F	15	5/10/2014	7.39
CLEAR L	VILAS	20.5	0.387	1553	F	8	5/10/2014	2.88
CLEAR L	VILAS	14.9	0.224	1554	M	6	5/10/2014	1.10

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g ww}$ )	Sample Number	Sex	Age	Date	Weight (Pounds)
CLEAR L	VILAS	16.9	0.523	1556	M	8	5/10/2014	1.47
CLEAR L	VILAS	14.2	0.204	1557	M	4	5/10/2014	0.90
CLEAR L	VILAS	20.0	0.550	1558	F	8	5/10/2014	2.44
CLEAR L	VILAS	21.8	0.395	1560	F	8	5/10/2014	4.37
ISLAND L	VILAS	22.0	0.654	1901	F	7	5/11/2014	3.21
ISLAND L	VILAS	20.0	0.339	1903	F	8	5/11/2014	2.76
ISLAND L	VILAS	14.0	0.131	1904	M	5	5/11/2014	0.78
ISLAND L	VILAS	12.5	0.098	1905	M	5	5/11/2014	0.50
ISLAND L	VILAS	22.0	0.350	1906	F	7	5/11/2014	3.47
ISLAND L	VILAS	14.5	0.063	1907	M	6	5/11/2014	1.04
ISLAND L	VILAS	20.5	0.276	1908	F	6	5/11/2014	2.34
ISLAND L	VILAS	16.0	0.189	1909	F	6	5/11/2014	1.33
ISLAND L	VILAS	17.5	0.376	1910	M	9	5/11/2014	1.62
ISLAND L	VILAS	21.0	0.282	1911	U	9	5/11/2014	2.93
ISLAND L	VILAS	14.5	0.086	1912	M	4	5/11/2014	0.78
ISLAND L	VILAS	26.5	0.523	1913	F	12	5/11/2014	7.55
LONG L	VILAS	13.5	0.179	1786	M	4	5/9/2014	0.90
LONG L	VILAS	17.9	0.393	1787	M	8	5/9/2014	2.02
LONG L	VILAS	16.0	0.273	1788	M	6	5/9/2014	1.40
LONG L	VILAS	20.4	0.274	1789	F	7	5/9/2014	3.62
LONG L	VILAS	27.4	0.903	1791	F	12	5/9/2014	8.25
LONG L	VILAS	20.0	0.306	1792	F	6	5/9/2014	2.83
LONG L	VILAS	27.8	0.793	1793	F	15	5/9/2014	9.08
LONG L	VILAS	14.8	0.289	1794	M	7	5/9/2014	1.16
LONG L	VILAS	19.2	0.871	1795	M	9	5/9/2014	2.24
LONG L	VILAS	14.0	0.256	1796	M	5	5/9/2014	0.91
LONG L	VILAS	17.1	0.462	1797	M	8	5/9/2014	1.98
LONG L	VILAS	25.1	0.541	1798	F	9	5/9/2014	6.23
PRESQUE ISLE L CHAIN	VILAS	20.9	0.262	1131	F	7	5/10/2014	3.40
PRESQUE ISLE L CHAIN	VILAS	12.8	0.137	1132	M	4	5/10/2014	0.56
PRESQUE ISLE L CHAIN	VILAS	20.6	0.286	1133	F	7	5/10/2014	3.10
PRESQUE ISLE L CHAIN	VILAS	24.4	0.435	1135	F	10	5/10/2014	6.09
PRESQUE ISLE L CHAIN	VILAS	27.0	0.863	1136	F	14	5/10/2014	8.33
PRESQUE ISLE L CHAIN	VILAS	15.8	0.248	1138	M	8	5/10/2014	1.16
PRESQUE ISLE L CHAIN	VILAS	14.7	0.399	6828	M	8	5/10/2014	0.98
PRESQUE ISLE L CHAIN	VILAS	18.5	0.378	11994	M	11	5/10/2014	1.94
PRESQUE ISLE L CHAIN	VILAS	16.4	0.268	12000	M	8	5/10/2014	1.36
PRESQUE ISLE L CHAIN	VILAS	14.1	0.221	12769	M	5	5/10/2014	0.81
PRESQUE ISLE L CHAIN	VILAS	15.9	0.217	12775	M	6	5/10/2014	1.19
PRESQUE ISLE L CHAIN	VILAS	23.7	0.540	12950	F	9	5/10/2014	4.76
REST L	VILAS	21.3	0.720	1622	F	8	5/11/2014	3.51
REST L	VILAS	18.8	0.616	1623	F	9	5/11/2014	2.08
REST L	VILAS	15.0	0.400	1624	M	5	5/11/2014	0.97
REST L	VILAS	15.8	0.358	1626	M	8	5/11/2014	1.15
REST L	VILAS	17.5	0.523	1628	M	8	5/11/2014	1.73
REST L	VILAS	25.2	0.825	1629	F	8	5/11/2014	5.34
REST L	VILAS	14.2	0.317	1630	M	5	5/11/2014	0.88
REST L	VILAS	22.7	0.595	1631	F	10	5/11/2014	3.77
REST L	VILAS	13.1	0.369	1632	M	6	5/11/2014	0.67
REST L	VILAS	14.0	0.339	1633	M	5	5/11/2014	0.82
REST L	VILAS	18.8	0.675	1635	F	9	5/11/2014	2.26
SQUAW L	VILAS	16.1	0.396	12715	F	6	5/6/2014	1.54
SQUAW L	VILAS	16.7	0.493	12716	F	7	5/6/2014	1.68
SQUAW L	VILAS	17.9	0.538	12812	F	6	5/6/2014	2.19
SQUAW L	VILAS	19.1	0.821	12813	F	10	5/6/2014	2.17
SQUAW L	VILAS	15.1	0.534	12815	F	6	5/6/2014	1.12
SQUAW L	VILAS	15.6	0.667	12817	F	8	5/6/2014	1.19
SQUAW L	VILAS	12.2	0.326	12818	M	6	5/6/2014	0.60
SQUAW L	VILAS	14.9	0.392	12850	F	5	5/6/2014	1.08
SQUAW L	VILAS	12.3	0.261	12854	M	5	5/6/2014	0.59
SQUAW L	VILAS	12.4	0.259	12887	M	5	5/6/2014	0.60
SQUAW L	VILAS	13.0	0.374	12924	M	5	5/6/2014	0.79
SQUAW L	VILAS	13.0	0.373	12931	M	5	5/6/2014	0.67
TWIN L CHAIN	VILAS	12.3	0.106	1732	M	3	5/9/2014	0.59
TWIN L CHAIN	VILAS	19.4	0.292	1733	M	11	5/9/2014	2.34
TWIN L CHAIN	VILAS	15.5	0.185	1740	M	5	5/9/2014	1.22
TWIN L CHAIN	VILAS	14.4	0.200	1741	M	6	5/9/2014	0.98
TWIN L CHAIN	VILAS	15.2	0.152	1742	M	5	5/9/2014	0.96

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g ww}$ )	Sample Number	Sex	Age	Date	Weight (Pounds)
TWIN L CHAIN	VILAS	14.8	0.252	1743	M	6	5/9/2014	1.04
TWIN L CHAIN	VILAS	19.2	0.395	1744	M	10	5/9/2014	1.73
TWIN L CHAIN	VILAS	17.4	0.325	1745	M	10	5/9/2014	1.61
BASS-PATTERSON L	WASHBURN	15.7	0.292	11812	M	5	5/6/2014	1.09
BASS-PATTERSON L	WASHBURN	18.4	0.429	11813	M	6	5/6/2014	1.70
BASS-PATTERSON L	WASHBURN	13.0	0.183	11816	M	4	5/6/2014	0.62
BASS-PATTERSON L	WASHBURN	15.7	0.218	11817	F	6	5/6/2014	1.16
BASS-PATTERSON L	WASHBURN	19.0	0.246	11818	F	5	5/6/2014	2.06
BASS-PATTERSON L	WASHBURN	23.0	0.534	11819	F	6	5/6/2014	3.84
BASS-PATTERSON L	WASHBURN	16.0	0.437	11820	M	8	5/6/2014	1.12
BASS-PATTERSON L	WASHBURN	23.0	0.445	11822	F	7	5/6/2014	4.02
BASS-PATTERSON L	WASHBURN	17.0	0.320	11823	M	6	5/6/2014	1.41
BASS-PATTERSON L	WASHBURN	12.9	0.189	11825	M	4	5/6/2014	0.59
BASS-PATTERSON L	WASHBURN	17.1	0.429	11826	M	6	5/6/2014	1.53
BASS-PATTERSON L	WASHBURN	14.2	0.243	11827	M	6	5/6/2014	0.88

**Table 4: Summary Statistics: Length, Weight, and Mercury Concentration ( $\mu\text{g/g}$  wet weight) of Northern Pike Collected from Mille Lacs (MN) during Spring 2014**

Lake	County	N	Length (Inches)		Mercury ( $\mu\text{g/g}$ ww)		Weight (pounds)	
			Range	Mean	Range	Mean	Range	Mean
Mille Lacs	Mille Lacs (MN)	12	22.4-41.0	30.1	0.143-0.594	0.242	2.90-17.67	7.54

**Table 5: Mercury Concentration ( $\mu\text{g/g}$  wet weight), Length (inches), Sex, and Weight (pounds) of Individual Northern Pike Collected from Mille Lacs during Spring 2014**

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g}$ ww)	Sample Number	Sex	Age	Date	Weight (Pounds)
MILLE LACS	MILLE LACS (MN)	30.0	0.216	6846	F	7	4/29/2014	7.99
MILLE LACS	MILLE LACS (MN)	25.1	0.186	6849	F	5	4/29/2014	4.60
MILLE LACS	MILLE LACS (MN)	22.4	0.152	6854	F	4	4/29/2014	2.90
MILLE LACS	MILLE LACS (MN)	23.9	0.185	12820	M	4	4/29/2014	3.30
MILLE LACS	MILLE LACS (MN)	32.4	0.246	12883	F	8	4/29/2014	10.22
MILLE LACS	MILLE LACS (MN)	27.5	0.168	12884	F	5	4/29/2014	6.07
MILLE LACS	MILLE LACS (MN)	37.0	0.594	12891	F	13	4/29/2014	10.08
MILLE LACS	MILLE LACS (MN)	35.0	0.249	12897	F	9	4/29/2014	11.53
MILLE LACS	MILLE LACS (MN)	26.0	0.221	12898	F	4	4/29/2014	4.25
MILLE LACS	MILLE LACS (MN)	41.0	0.375	12910	F	13	4/29/2014	17.67
MILLE LACS	MILLE LACS (MN)	30.0	0.143	12986	F	4	4/29/2014	5.87
MILLE LACS	MILLE LACS (MN)	30.6	0.172	13000	M	5	4/29/2014	5.95

**Table 6: Summary Statistics by Lake for Weight and Mercury Concentration ( $\mu\text{g/g}$  wet weight) of Muskellunge Collected from Inland Lakes during Spring 2014**

Lake	County	N	Length (Inches)		Mercury ( $\mu\text{g/g}$ ww)	
			Range	Mean	Range	Mean
Big Arbor Vitae L	Vilas	2	34.0-36.0	35.0	0.172-0.507	0.340
Big Carr L	Oneida	1	41.8	N/A	1.78	N/A
Big L (Boulder Junction)	Vilas	5	36.2-45.7	38.9	0.703-1.26	1.03
Big St. Germain L	Vilas	11	30.7-46.6	36.4	0.133-0.845	0.297
Booth L	Oneida	2	33.0-33.5	33.3	0.172-0.182	0.177
Brandy L	Vilas	2	37.0-39.5	38.3	0.858-1.09	0.974
Buckskin L	Oneida	4	37.6-38.5	38.0	0.568-1.43	0.991
Carrol L	Oneida	1	41.9	N/A	0.850	N/A
Clear L	Vilas	5	40.8-46.0	42.8	0.802-1.64	1.07
Gunlock L	Vilas	1	32.0	N/A	0.151	N/A
Johnson L	Vilas	1	35.0	N/A	0.720	N/A
Kentuck L	Vilas	7	33.8-43.1	39.0	0.417-1.06	0.724
Lac Vieux Desert	Vilas	1	37.0	N/A	0.618	N/A
Little Arbor Vitae	Vilas	2	39.8-42.0	40.9	0.206-0.254	0.230
Little St. Germain L	Vilas	1	36.2	N/A	0.218	N/A
Minocqua L	Oneida	1	47.4	N/A	1.15	N/A
Presque Isle L	Vilas	1	41.5	N/A	1.08	N/A
Middle Sugarbush L	Vilas	2	39.5-40.0	39.8	0.313-1.56	0.940

**Table 7: Mercury Concentration ( $\mu\text{g/g}$  wet weight), Length (inches), and Sex of Individual Muskellunge Collected from Inland Lakes during Spring 2014**

Lake	County	Length (Inches)	Mercury ( $\mu\text{g/g}$ ww)	Sample Number	Sex	Age	Date
BIG ARBOR VITAE L	VILAS	36.0	0.507	2014MUSK17			
BIG ARBOR VITAE L	VILAS	34.0	0.172	2014MUSK26			
BIG CARR L	ONEIDA	41.8	1.78	2014MUSK06			
BIG L (BOULDER JCT)	VILAS	37.2	1.03	2014MUSK07			
BIG L (BOULDER JCT)	VILAS	45.7	1.26	2014MUSK23			
BIG L (BOULDER JCT)	VILAS	37.7	1.16	2014MUSK24			
BIG L (BOULDER JCT)	VILAS	36.2	0.703	2014MUSK29			
BIG L (BOULDER JCT)	VILAS	37.5	1.02	2014MUSK34			
BIG ST GERMAIN L	VILAS	45.0	0.501	2011WMUSK17			
BIG ST GERMAIN L	VILAS	33.3	0.154	2014MUSK02			
BIG ST GERMAIN L	VILAS	46.6	0.845	2014MUSK04			
BIG ST GERMAIN L	VILAS	30.8	0.166	2014MUSK05			
BIG ST GERMAIN L	VILAS	39.9	0.428	2014MUSK10			
BIG ST GERMAIN L	VILAS	34.7	0.214	2014MUSK12			
BIG ST GERMAIN L	VILAS	30.7	0.167	2014MUSK14			
BIG ST GERMAIN L	VILAS	38.2	0.239	2014MUSK19			
BIG ST GERMAIN L	VILAS	31.8	0.148	2014MUSK22			
BIG ST GERMAIN L	VILAS	31.0	0.133	2014MUSK27			
BIG ST GERMAIN L	VILAS	38.3	0.267	2014MUSK28			
BOOTH L	ONEIDA	33.5	0.182	2011WMUSK20			
BOOTH L	ONEIDA	33.0	0.172	2011WMUSK27			
BRANDY L	VILAS	37.0	0.858	2011WMUSK15			
BRANDY L	VILAS	39.5	1.09	2011WMUSK24			
BUCKSKIN L	ONEIDA	38.5	0.991	2014MUSK01			
BUCKSKIN L	ONEIDA	37.6	1.15	2014MUSK11			
BUCKSKIN L	ONEIDA	38.0	0.568	2011WMUSK24			
BUCKSKIN L	ONEIDA	37.9	1.43	2014MUSK32			
CARRROL L	ONEIDA	41.9	0.850	2014MUSK25			
CLEAR L	VILAS	39.9	0.825	2014MUSK13			
CLEAR L	VILAS	40.8	0.995	2014MUSK18			
CLEAR L	VILAS	46.0	1.09	2014MUSK21			
CLEAR L	VILAS	42.5	0.802	2014MUSK30			
CLEAR L	VILAS	45.0	1.64	2014MUSK35			
GUNLOCK L	VILAS	32.0	0.151	2014MUSK22			
JOHNSON L	VILAS	35.0	0.720	2011WMUSK21			
KENTUCK L	VILAS	42.0	0.820	2014MUSK03			
KENTUCK L	VILAS	38.2	0.609	2014MUSK08			
KENTUCK L	VILAS	40.2	0.863	2014MUSK09			
KENTUCK L	VILAS	36.5	0.417	2014MUSK15			
KENTUCK L	VILAS	39.5	1.06	2014MUSK20			
KENTUCK L	VILAS	43.1	0.862	2014MUSK31			
KENTUCK L	VILAS	33.8	0.435	2014MUSK33			
LAC VIEUX DESERT	VILAS	37.0	0.816	2011WMUSK26			
LITTLE ARBOR VITAE L	VILAS	39.8	0.254	2011WMUSK23			
LITTLE ARBOR VITAE L	VILAS	42.0	0.206	2011WMUSK28			
LITTLE ST GERMAIN L	VILAS	36.2	0.218	2011WMUSK25			
MINOCQUA L	ONEIDA	47.4	1.15	2014MUSK16			
PRESQUE ISLE L	VILAS	41.5	1.08	2011WMUSK18			
MIDDLE SUGARBUSH L	VILAS	40.0	1.56	2011WMUSK16			
MIDDLE SUGARBUSH L	VILAS	39.5	0.313	2011WMUSK17			

**APPENDIX 1**

**LSRI Analytical and QA/QC Reports on Mercury Analysis of Walleye Collected and During Spring  
2014**