ADEM Fish Tissue Monitoring Program 2015 Annual Report

Alabama, Cahaba, Escatawpa, Tallapoosa, and Tennessee River Basins and Coastal West

July 7, 2016

Alabama Department of Environmental Management

Field Operations Division

Montgomery Branch

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INTRODUCTION

The Alabama Department of Environmental Management (ADEM) and its predecessor, the Alabama Water Improvement Commission (AWIC), have collected fish for analysis of contaminant levels since 1970. For the 20 years that followed, fish collections focused on areas of known or suspected contamination. In 1991, the ADEM expanded its Fish Tissue Monitoring Program (FTMP) to provide statewide screening of bioaccumulative contaminants in fish tissue, and to provide the Alabama Department of Public Health (ADPH) with data needed for determination of potential risk to those who consume fish from Alabama waters and to issue/modify fish consumption advisories within the state. The expanded program historically exists as a cooperative effort between the ADEM, the ADPH, the Alabama Department of Conservation and Natural Resources (ADCNR), and the Tennessee Valley Authority (TVA).

Following expansion of the program to statewide screening, fish from all of Alabama's major reservoirs, rivers, streams, and state-managed public fishing lakes were collected over a five-year period. Data from these locations were provided to the ADPH for issuance, modification, or removal of fish consumption advisories to the public. The results of the program over the five-year period indicated that the majority of Alabama waterbodies supported healthy fish populations, with low to undetectable contaminant levels where any contaminants existed. However, the ADPH determined that fish from certain waterbodies were found to contain contaminant levels in excess of Environmental Protection Agency (EPA) and Food and Drug Administration (FDA) guidance levels.

In 1997, the FTMP was incorporated into the ADEM Watershed Management Approach. Pursuant to this approach, water quality of each major drainage basin in the state is assessed by

ADEM on a five-year rotating basis. The initial rotation was completed in 2001 with the five major basins and years sampled as follows:

a) Black Warrior and Cahaba Rivers (1997)
b) Tennessee River (1998)
c) Chattahoochee and Conecuh Rivers (1999)
d) Coosa, Tallapoosa and Alabama Rivers (2000)
e) Escatawpa, Mobile and Tombigbee Rivers (2001)

In addition to the basin locations sampled each year, the ADEM continued to sample areas of concern outside the focus basin as needed or requested by cooperating agencies and as resources allowed. To date, samples comprised of several thousand fish have been collected from 374 sites for the FTMP.

Because of the variability in contaminant concentrations observed in fish collected from locations over several years, and the need for additional monitoring at a number of locations, the approach to annual monitoring was refined in 2002. Annual fish tissue monitoring by ADEM became multi-faceted and directed toward accomplishing three goals:

a) sampling locations throughout the focus basin
b) repetitive sampling of sites where the ADPH has determined that EPA/FDA limits have been exceeded
c) sampling remaining areas in Alabama where fish have not been collected for the FTMP.

Repetitive sampling of sites where EPA/FDA action levels have been exceeded proceeds as follows:

a) Sites that exceeded EPA/FDA limits for the first time the previous year will be sampled for a minimum of two concurrent years to provide verification of contaminant concentrations as requested by the ADPH.
b) Sites where ADPH consumption advisories currently exist will be sampled at a minimum of every three years to provide data for analysis of trends in contaminant concentrations.

In June 2006 the ADPH adopted the EPA guidance level of 0.3 ug/g mercury in fish for issuance of public consumption advisories, replacing the FDA guidance level of 1.0 ug/g previously used.

The program was further modified in 2015 to meet the data needs of the ADEM water quality assessment and listing process. In order to meet these needs, fish tissue samples will be collected within each major river basin in the state on a three-year rotating basis, providing two repetitions of sampling within the six-year period required for monitoring data in the assessment and listing methodology. The initial regional rotation will be as follows:

a) Alabama, Cahaba, Tallapoosa, and Tennessee Rivers
b) Coosa and Tombigbee Rivers
c) Black Warrior, Perdido-Escambia, Choctawhatchee, Pea, and Chattahoochee Rivers

In addition to the major river basin schedule, coastal sample locations (locations south of the I-65 Mobile River bridge) will be divided into three geographic regions, eastern, central, and western, and sampled on a three-year rotation as well.

Within the river basins and coastal zones, site selection will be directed toward accomplishing three primary goals:

a) Repetitive sampling of sites where the ADPH has determined that EPA/FDA limits have been exceeded
b) Repetitive sampling of sites within each major Alabama reservoir in support of Alabama's Assessment and Listing Methodology
c) Sampling remaining areas in Alabama where fish have not been collected for the FTMP or other areas of concern as they arise

The extent to which the above goals are accomplished each year is dependent upon available resources.

METHODS

Fish sampling and tissue preparation procedures of the FTMP are as described in the ADEM documents: *Fish Tissue Monitoring Program Sample Collection Procedures (SOP #2300*) and *Fish Tissue Monitoring Sample Processing and Data Reporting Procedures (SOP# 2301).*

Sampling is typically conducted in the fall of the year, generally October-December for the FTMP. These months are preferred in fish tissue monitoring programs because:

a) Organic pollutants, primarily stored in fatty (lipid) tissue, would be at the greatest concentration as fat content of fish is highest at this time of year.

b) Target species are more easily collected while water levels are low and as water temperatures cool.

c) Fall collections do not interfere with spawning seasons of target species.

Collection methods may include electrofishing and/or gillnets as needed. Typically six individuals of the same species are collected at each location from each of two primary feeding groups, predators and bottom-feeders. At stations where FDA and/or EPA guidance levels have been exceeded, multiple commercial and/or sport fish species may be collected if available and as resources allow. Collected fish are within a size range identified in the SOP, with the additional requirement that catfish weigh a minimum of one pound as requested by the ADPH.

After collection, fish are weighed and measured with any abnormalities noted. The skin of each fish is removed and discarded, followed by the removal of left and right side fillets that are packaged separately for laboratory analysis (Table 1) and storage as needed. Otoliths and or spines are removed from the carcass and preserved for age determinations.

Table 1. Analytical parameters for the ADEM Fish Tissue Monitoring Program.

Parameter	Method	RL	MDL	FDA Guidance Level	EPA Guidance Level
Arsenic, Total	EPA200.9	0.5 ug/g	0.177 ug/g		
Cadmium	EPA200.9	0.02 ug/g	0.005 ug/g		
Mercury, Total	EPA245.6	0.1 ug/g	0.015 ug/g	1.0 ug/g	0.33 ug/g
Selenium, Total	EPA200.9	0.5 ug/g	0.144 ug/g		
Chlordane, Total	SW8081A	0.01 ug/g		0.3 ug/g	
4,4-DDD	SW8081A	0.01 ug/g			
4,4-DDE	SW8081A	0.01 ug/g			
4,4-DDT	SW8081A	0.01 ug/g		Total DDT	
2,4-DDD	SW8081A	0.01 ug/g		5.0 ug/g	
2,4-DDE	SW8081A	0.01 ug/g			
2,4-DDT	SW8081A	0.01 ug/g			
Chlorpyrifos	SW8081A	0.01 ug/g			
Dieldrin	SW8081A	0.01 ug/g		0.3 ug/g	
Endosulfan I	SW8081A	0.01 ug/g			
Endosulfan II	SW8081A	0.01 ug/g			
Endrin	SW8081A	0.01 ug/g			
gamma-BHC (Lindane)	SW8081A	0.01 ug/g			
Heptachlor	SW8081A	0.01 ug/g		0.3 ug/g	
Heptachlor Epoxide	SW8081A	0.01 ug/g		0.3 ug/g	
Hexachlorobenzene	SW8081A	0.05 ug/g			
Mirex	SW8081A	0.01 ug/g		0.1 ug/g	
Arochlor 1016	SW8082	0.125 ug/g			
Arochlor 1221	SW8082	0.125 ug/g			
Arochlor 1232	SW8082	0.125 ug/g			
Arochlor 1242	SW8082	0.125 ug/g			
Arochlor 1248	SW8082	0.125 ug/g			
Arochlor 1254	SW8082	0.125 ug/g			
Arochlor 1260	SW8082	0.125 ug/g			
Total PCBs	SW8082	0.35 ug/g		2.0 ug/g	
Toxaphene	SW8081A	0.05 ug/g		5.0 ug/g	
Percent lipids	SW3640A	0.10%			

Following completion of analyses, all data are compiled and distributed to cooperating agencies. Analytical results are published and provided to the public through the ADEM website.

RESULTS

From August through December 2015, 597 fish (20 different species) from 52 locations (Figure 1 and Table 2) were collected, processed, and analyzed for the FTMP. Forty-five different waterbodies were sampled. Twenty-six locations with current consumption advisories for mercury were sampled. Analytical results for the 2015 FTMP are presented in Table 3. Information on current fish consumption advisories that were developed from FTMP data is available on the ADPH website at http://www.adph.org/tox/index.asp?id=1360. Nutritional information and safe practices for selecting and preparing fish are also available at this site.

ADEM's monitoring program also includes an evaluation of the physical condition of important sport and/or commercial fish species. Results of the evaluation indicate the majority of the fish evaluated were in good to excellent condition. Fish were also checked for external anomalies, such as lesions, tumors, parasites and deformities. Some 90 percent of the fish observed had no anomalies, a value similar to those of previous years. The most commonly observed anomalies were lesions on the body surface and internal and external parasites. The occurrence of lesions on fish during spring and fall may be the result of bacterial infections associated with changing water temperatures, spawning stress or a combination of natural occurrences. These infections are not dangerous to the consumer and the fish are edible if properly prepared.

For more information regarding ADEM's Fish Tissue Monitoring Program please contact Michael Len at 334-260-2787.

Figure 1. CY 2015 FTMP sample locations.

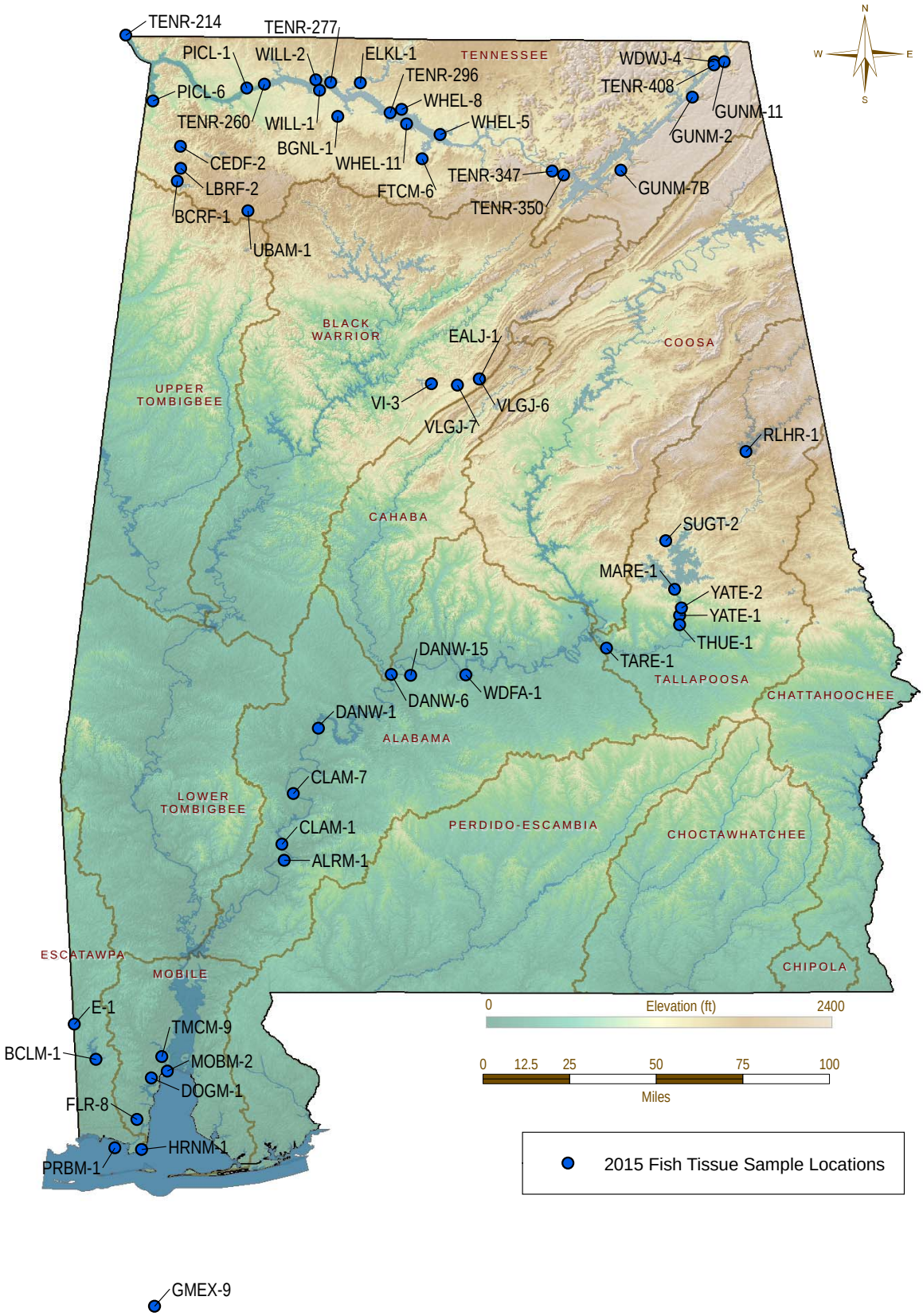

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Alabama R	Alabama R	ALRM-1	Monroe	Channel catfish Largemouth bass Spotted bass	Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.
Alabama R	Claiborne Res	CLAM-1	Monroe	Channel catfish Largemouth bass Blue catfish	Lower reservoir. Deepest point, main river channel, dam forebay.
Alabama R	Claiborne Res	CLAM-7	Clarke	Channel catfish Largemouth bass Blue catfish	Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.
Alabama R	Dannelly Res	DANW-1	Wilcox	Channel catfish Largemouth bass Blue catfish	Lower reservoir. Deepest point, main river channel, dam forebay.
Alabama R	Sixmile Ck (Dannelly)	DANW-15	Dallas	Channel catfish Largemouth bass	Sixmile Creek upstream of confluence with the Alabama River, near Selma.
Alabama R	Woodruff Res	WDFA-1	Autauga	Channel catfish Largemouth bass Blue catfish	Lower reservoir. Deepest point, main river channel, dam forebay.
Black Warrior R	East Lake	EALJ-1	Jefferson	Largemouth bass Channel catfish	East Lake, Birmingham, AL.

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Black Warrior R	Village Ck	VI-3	Jefferson	Largemouth bass	Village Creek at Jefferson Co Rd 65.
Black Warrior R	Village Ck	VLGJ-6	Jefferson	Alabama Hog Sucker Bluegill Largemouth bass	Village Creek at East Lake in Birmingham, AL.
Black Warrior R	Village Ck	VLGJ-7	Jefferson	Bluegill Alabama Hog Sucker Largemouth bass	Village Creek at 24th Street.
Cahaba R	Cahaba R (Dannelly)	DANW-6	Dallas	Channel catfish Largemouth bass	Deepest point, main river channel, Cahaba River embayment, approximately 0.5 miles upstream of lake confluence.
Escatawpa R	Big Creek Res	BCLM-1	Mobile	Channel catfish Largemouth bass	Lower reservoir. Deepest point, Big Creek channel, dam forebay.
Escatawpa R	Escatawpa R	E-1	Mobile	Channel catfish Largemouth bass Spotted bass Blacktail redhorse	Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.
Escatawpa R	Heron Bay	HRNM-1	Mobile	Atlantic croaker Sand seatrout Southern kingfish Pigfish Spot croaker	Heron Bay.

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Escatawpa R	Portersville Bay	PRBM-1	Mobile	Atlantic croaker Striped mullet Sand seatrout	Main channel offshore south of Bayou La Batre.
Mobile R	Dog R	DOGM-1	Mobile	White catfish Largemouth bass Striped mullet	Dog River in the vicinity of I-10 bridge. Lat/Lon calculated at the I-10 bridge.
Mobile R	Fowl R	FLR-8	Mobile	Creek chubsucker Largemouth bass Striped mullet	Fowl River, in the vicinity of Muddy Creek confluence and Fowl River Road bridge crossing lat/lon calculated at bridge crossing.
Mobile R	Gulf Of Mexico	GMEX-9		Red Snapper	Gulf of Mexico.
Mobile R	Mobile Bay	MOBM-2	Mobile	Sand seatrout Southern kingfish Striped mullet	Little Sand Island area, Mobile River at its confluence with Mobile Bay.
Mobile R	Threemile Ck	TMCM-9	Mobile	Atlantic croaker Striped mullet Largemouth bass	Three Mile Creek downstream of the Southern Railroad trestle to confluence with the Mobile River.
Tallapoosa R	Harris Res	RLHR-1	Randolph	Blue catfish Channel catfish Spotted bass	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tallapoosa R	Martin Res	MARE-1	Tallapoosa	Channel catfish Spotted bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tallapoosa R	Sougahatchee Ck (Yates)	YATE-2	Tallapoosa	Channel catfish Largemouth bass	Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 0.8 miles upstream from the Tallapoosa River confluence.
Tallapoosa R	Sugar Ck (Martin)	SUGT-2	Tallapoosa	Channel catfish Largemouth bass	Martin Reservoir, Sugar Creek embayment.
Tallapoosa R	Tallapoosa R	TARE-1	Montgomery	Channel catfish Spotted bass	Tallapoosa River, deepest point, main river channel. Montgomery Water Intake, approximately 3 miles upstream of HWY 231.
Tallapoosa R	Thurlow Res	THUE-1	Elmore	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tallapoosa R	Yates Res	YATE-1	Tallapoosa	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tennessee R	Bakers Ck (Wheeler)	WHEL-11	Morgan	Channel catfish Largemouth bass	Bakers Creek upstream of Bakers Creek/Tennessee River confluence.
Tennessee R	Bear Ck	PICL-6	Colbert	Channel catfish Largemouth bass	Bear Creek at Allsboro Rd.

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tennessee R	Bear Ck Res	BCRF-1	Franklin	Channel catfish Largemouth bass	Dam forebay area of Bear Creek Reservoir. Bear Creek mile 75.
Tennessee R	Big Nance Ck	BGNL-1	Lawrence	Golden redhorse Largemouth bass	Big Nance Creek in the vicinity of Lawrence Co. Rd. 25.
Tennessee R	Big Nance Ck (Wilson)	WILL-1	Lawrence	Channel catfish Largemouth bass	Deepest point, main creek channel, Big Nance Creek embayment, immediately upstream of AL Hwy 101 bridge.
Tennessee R	Bluewater Ck (Wilson)	WILL-2	Lauderdale	Channel catfish Largemouth bass	Deepest point, main creek channel, Bluewater Creek embayment, approximately one mile upstream of lake confluence.
Tennessee R	Cedar Ck Res	CEDF-2	Franklin	Channel catfish Largemouth bass	Dam forebay to 1.0 mile upstream of the dam.
Tennessee R	Coon Ck (Guntersville)	GUNM-2	Jackson	Channel catfish Largemouth bass	Deepest point, main creek channel, Raccoon Creek embayment, approximately 2 miles upstream of lake confluence.
Tennessee R	Cypress Ck (Pickwick)	PICL-1	Lauderdale	Channel catfish Largemouth bass	Deepest point, main creek channel, Cypress Creek embayment, approximately 0.5 mile upstream of AL Hwy 20.
Tennessee R	Elk R (Wheeler)	ELKL-1	Lauderdale	Channel catfish Largemouth bass	Elk River embayment approximately river mile 6 (NE 1/4, Sec 12).

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tennessee R	Flint Ck	FTCM-6	Morgan	Channel catfish Largemouth bass	Flint Creek downstream of Flint Creek/West Flint Creek confluence. Vicinity of US Hwy 31.
Tennessee R	Guntersville Res	TENR-350	Marshall	Channel catfish Largemouth bass	Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.
Tennessee R	Guntersville Res	TENR-408	Jackson	Channel catfish Largemouth bass	Guntersville Reservoir, vicinity of Tennessee River mile 408. Just downstream of Widows Creek.
Tennessee R	Limestone Ck (Wheeler)	WHEL-5	Limestone	Channel catfish Largemouth bass	Limestone Creek embayment beginning approximately 1 mile upstream of confluence with Tennessee River.
Tennessee R	Little Bear Ck Res	LBRF-2	Franklin	Channel catfish Largemouth bass	Dam forebay area, Little Bear Creek mile 12.5.
Tennessee R	Long Island Ck (Guntersville)	GUNM-11	Jackson	Channel catfish Largemouth bass	Deepest point, main creek channel, approximately 0.5 mi upstream from the main reservoir.
Tennessee R	Pickwick Res	TENR-214	Hardin	Channel catfish Largemouth bass	Pickwick Reservoir, Tennessee River mile 214.1.
Tennessee R	Round Island Ck (Wheeler)	WHEL-8	Limestone	Channel catfish Largemouth bass	Deepest point, main creek channel, Round Island Creek embayment, approximately 1.5 miles upstream of lake confluence.

Table 2. CY 2015 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tennessee R	Town Ck (Guntersville)	GUNM-7B	Marshall	Channel catfish Largemouth bass	Town Creek embayment approximately 4 miles upstream of AL Hwy 227.
Tennessee R	U Bear Ck Res	UBAM-1	Marion	Channel catfish Largemouth bass	Upper Bear Creek Reservoir dam forebay area. Upper Bear Creek mile 115.
Tennessee R	Wheeler Res	TENR-277	Lauderdale	Channel catfish Largemouth bass	Upstream of the dam at Tennessee River mile 277.0, near the confluence of First Creek with the main channel.
Tennessee R	Wheeler Res	TENR-296	Limestone	Channel catfish Largemouth bass	Mid station, main river channel, Tennessee River mile 296.
Tennessee R	Wheeler Res	TENR-347	Marshall	Channel catfish Largemouth bass	Wheeler Reservoir, Tennessee River mile 347, 2.0 miles downstream of Guntersville dam.
Tennessee R	Widows Ck	WDWJ-4	Jackson	Brown bullhead Largemouth bass Yellow bullhead Spotted sucker	Stretch of Widows Creek from 1.5 miles upstream of Tennessee River confluence to first bridge crossing (Million Dollar Bridge).
Tennessee R	Wilson Res	TENR-260	Lauderdale	Channel catfish Largemouth bass	Dam forebay at Tennesse River mile 259.5.

Table 3. CY2015 FISH TISSUE MONITORING PROGRAM analytical results.

Monroe County **Lat/Lon: 31.54969 / -87.54117**

ALRM-1, Alabama R - Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	350	350	355	411	402	432
Length (inches)	13.78	13.78	13.98	16.18	15.83	17.01
Weight (g)	364	318	350	548	516	626
Weight (oz)	12.84	11.22	12.35	19.33	18.20	22.08
Sex/Age	M/5	F/5	M/5	F/5	M/6	M/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .028	.172	.082	.221	.211	.216

	Composite - 6 Fish
Bottle Code: 11/17/2015 ALRM-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.004 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.55
Mercury ug/g	.139
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Monroe County **Lat/Lon: 31.54969 / -87.54117**

ALRM-1, Alabama R - Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	405	380	360
Length (inches)	15.94	14.96	14.17
Weight (g)	1,112	678	692
Weight (oz)	39.22	23.92	24.41
Sex/Age	M/3	M/3	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N
Mercury ug/g	.115	.226	.125

	Composite - 3 Fish
Bottle Code: 11/17/2015 ALRM-1 LMB 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.51
Mercury ug/g	.113
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Monroe County **Lat/Lon: 31.54969 / -87.54117**

ALRM-1, Alabama R - Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	380	420	330
Length (inches)	14.96	16.54	12.99
Weight (g)	768	1,310	474
Weight (oz)	27.09	46.21	16.72
Sex/Age	F/2	F/3	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N
Mercury ug/g	.125	.303	.749

	Composite - 3 Fish
Bottle Code: 11/17/2015 ALRM-1 SPB 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.002 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.56
Mercury ug/g	.28
Mirex ug/g	< .0005
Selenium ug/g	.05 JI
Toxaphene ug/g	< .046

Morgan County **Lat/Lon: 34.63767 / -87.02961**

WHEL-11, Bakers Ck (Wheeler) - Bakers Creek upstream of Bakers Creek/Tennessee River confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	521	494	451	430	610	454
Length (inches)	20.51	19.45	17.76	16.93	24.02	17.87
Weight (g)	1,480	1,458	956	968	2,672	1,370
Weight (oz)	52.21	51.43	33.72	34.15	94.25	48.33
Sex/Age	M/7	F/6	M/5	M/7	M/5	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-14-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Slight/Mild					
Mercury ug/g	< .028	< .028	< .028	< .028	< .028	< .028

	Composite - 6 Fish
Bottle Code: 10/14/2015 WHEL-11 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	9.17
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Morgan County **Lat/Lon: 34.63767 / -87.02961**

WHEL-11, Bakers Ck (Wheeler) - Bakers Creek upstream of Bakers Creek/Tennessee River confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	423	355	331	332	413	329
Length (inches)	16.65	13.98	13.03	13.07	16.26	12.95
Weight (g)	1,158	844	574	510	1,172	588
Weight (oz)	40.85	29.77	20.25	17.99	41.34	20.74
Sex/Age	F/4	F/3	M/3	F/1	M/9	F/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .028	< .028	< .028	< .028	.397	< .028

	Composite - 6 Fish
Bottle Code: 10/14/2015 WHEL-11 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.009 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.365
Mercury ug/g	.13
Mirex ug/g	< .0005
Selenium ug/g	.076 JI
Toxaphene ug/g	< .046

Colbert County **Lat/Lon: 34.73444 / -88.08900**

PICL-6, Bear Ck - Bear Creek at Allsboro Rd.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	528	432	440	428	418	427
Length (inches)	20.79	17.01	17.32	16.85	16.46	16.81
Weight (g)	1,674	660	668	664	616	624
Weight (oz)	59.05	23.28	23.56	23.42	21.73	22.01
Sex/Age	F/7	M/6	M/7	M/7	M/6	M/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite		Slight/Mild	Slight/Mild	Slight/Mild	Slight/Mild	Slight/Mild
Mercury ug/g	.308	.114	.196	.176	.14	.207

	Composite - 6 Fish
Bottle Code: 10/13/2015 PICL-6 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.275
Mercury ug/g	.185
Mirex ug/g	< .0005
Selenium ug/g	.055 JI
Toxaphene ug/g	< .046

Colbert County **Lat/Lon: 34.73444 / -88.08900**

PICL-6, Bear Ck - Bear Creek at Allsboro Rd.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	371	372	394	476	315	353
Length (inches)	14.61	14.65	15.51	18.74	12.40	13.90
Weight (g)	682	754	844	1,738	444	526
Weight (oz)	24.06	26.60	29.77	61.31	15.66	18.55
Sex/Age	F/3	F/3	M/4	M/6	F/4	M/5
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.359	.667	.51	.862	.435	.651

	Composite - 6 Fish
Bottle Code: 10/13/2015 PICL-6 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.165
Mercury ug/g	.547
Mirex ug/g	< .0005
Selenium ug/g	.101 JI
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.39875 / -87.98717**

BCRF-1, Bear Ck Res - Dam forebay area of Bear Creek Reservoir. Bear Creek mile 75.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	560	403	411	446	467	429
Length (inches)	22.05	15.87	16.18	17.56	18.39	16.89
Weight (g)	2,128	628	488	806	1,102	770
Weight (oz)	75.06	22.15	17.21	28.43	38.87	27.16
Sex/Age	M/9	F/6	M/5	M	M/6	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite			Slight/Mild	Slight/Mild		
Mercury ug/g	.171	.282	.241	.182	.239	.21

	Composite - 6 Fish
Bottle Code: 10/5/2015 BCRF-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.14
Mercury ug/g	.201
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.39875 / -87.98717**

BCRF-1, Bear Ck Res - Dam forebay area of Bear Creek Reservoir. Bear Creek mile 75.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	376	352	420	407	386	380
Length (inches)	14.80	13.86	16.54	16.02	15.20	14.96
Weight (g)	784	696	1,256	924	914	762
Weight (oz)	27.65	24.55	44.30	32.59	32.24	26.88
Sex/Age	F/3	F/2	F/4	F/3	F/4	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.511	.458	.229	.449	.578	.37

	Composite - 6 Fish
Bottle Code: 10/5/2015 BCRF-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.005
Mercury ug/g	.51
Mirex ug/g	< .0005
Selenium ug/g	.076 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.71461 / -88.32747**

BCLM-1, Big Creek Res - Lower reservoir. Deepest point, Big Creek channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2
Length (mm)	478	457
Length (inches)	18.82	17.99
Weight (g)	792	710
Weight (oz)	27.94	25.04
Sex/Age	M/6	M/6
Age Method	Spine	Spine
Collection Date	11-04-15	11-04-15
Skin on Fillet	N	N
Internal Parasite		Moderate
Mercury ug/g	.479	.283

	Composite - 2 Fish
Bottle Code: 11/4/2015 BCLM-1 CHC 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.185
Mercury ug/g	.415
Mirex ug/g	< .0005
Selenium ug/g	.064 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.71461 / -88.32747**

BCLM-1, Big Creek Res - Lower reservoir. Deepest point, Big Creek channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	324	327	340	300	352	307
Length (inches)	12.76	12.87	13.39	11.81	13.86	12.09
Weight (g)	402	408	564	350	558	364
Weight (oz)	14.18	14.39	19.89	12.35	19.68	12.84
Sex/Age	F/2	M/2	F/2	M/2	M/4	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.474	.626	.674	.509	.677	.411

	Composite - 6 Fish
Bottle Code: 11/4/2015 BCLM-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.275
Mercury ug/g	.291
Mirex ug/g	< .0005
Selenium ug/g	.109 JI
Toxaphene ug/g	< .046

Lawrence County **Lat/Lon: 34.77935 / -87.39315**

WILL-1, Big Nance Ck (Wilson) - Deepest point, main creek channel, Big Nance Creek embayment, immediately upstream of AL Hwy 101 bridge.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	490	425	480	507	415	532
Length (inches)	19.29	16.73	18.90	19.96	16.34	20.94
Weight (g)	952	612	1,074	1,116	662	1,646
Weight (oz)	33.58	21.59	37.88	39.37	23.35	58.06
Sex/Age	M/5	F/4	M/8	M/8	F/5	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild		
Mercury ug/g	.144	.19	< .028	.205	.134	.236

	Composite - 6 Fish
Bottle Code: 10/6/2015 WILL-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.82
Mercury ug/g	.166
Mirex ug/g	< .0005
Selenium ug/g	.046 JI
Toxaphene ug/g	< .046

Lawrence County **Lat/Lon: 34.77935 / -87.39315**

WILL-1, Big Nance Ck (Wilson) - Deepest point, main creek channel, Big Nance Creek embayment, immediately upstream of AL Hwy 101 bridge.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	452	456	444	416	428	384
Length (inches)	17.80	17.95	17.48	16.38	16.85	15.12
Weight (g)	1,336	1,376	1,402	1,026	1,044	1,038
Weight (oz)	47.13	48.54	49.45	36.19	36.83	36.61
Sex/Age	M/4	M/5	M/4	M/4	F/6	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.299	.253	.174	.182	.193	.173

	Composite - 6 Fish
Bottle Code: 10/6/2015 WILL-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.98
Mercury ug/g	.128
Mirex ug/g	< .0005
Selenium ug/g	.085 JI
Toxaphene ug/g	< .046

Lawrence County **Lat/Lon: 34.67000 / -87.31722**

BGNL-1, Big Nance Ck - Big Nance Creek in the vicinity of Lawrence Co. Rd. 25.

Golden Redhorse (Moxostoma erythrurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	462	371	347	403	368	323
Length (inches)	18.19	14.61	13.66	15.87	14.49	12.72
Weight (g)	998	530	446	776	478	348
Weight (oz)	35.20	18.70	15.73	27.37	16.86	12.28
Sex/Age	F	M	M	F	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.387	< .028	.242	.469	< .028	.17

	Composite - 6 Fish
Bottle Code: 12/7/2015 BGNL-1 GOR 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	.0054 JI
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.46
Mercury ug/g	.165
Mirex ug/g	< .0005
Selenium ug/g	.103 JI
Toxaphene ug/g	< .046

Lawrence County **Lat/Lon: 34.67000 / -87.31722**

BGNL-1, Big Nance Ck - Big Nance Creek in the vicinity of Lawrence Co. Rd. 25.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	390	398	355	405	280	208
Length (inches)	15.35	15.67	13.98	15.94	11.02	8.19
Weight (g)	844	930	552	976	290	122
Weight (oz)	29.77	32.80	19.47	34.43	10.23	4.30
Sex/Age	M/7	F/6	F/7	F/9	F/2	Ukn
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.592	.582	.588	.51	.253	< .028

	Composite - 6 Fish
Bottle Code: 12/7/2015 BGNL-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	.0034 JI
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.125
Mercury ug/g	.37
Mirex ug/g	< .0005
Selenium ug/g	.1 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.82273 / -87.40888**

WILL-2, Bluewater Ck (Wilson) - Deepest point, main creek channel, Bluewater Creek embayment, approximately one mile upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	497	411	463	377	542	410
Length (inches)	19.57	16.18	18.23	14.84	21.34	16.14
Weight (g)	264	618	806	424	1,332	624
Weight (oz)	9.31	21.80	28.43	14.96	46.98	22.01
Sex/Age	F/7	F/6	M/6	M/5	F/7	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild	Slight/Mild	Slight/Mild

	Composite - 6 Fish
Bottle Code: 10/6/2015 WILL-2 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.17
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.82273 / -87.40888**

WILL-2, Bluewater Ck (Wilson) - Deepest point, main creek channel, Bluewater Creek embayment, approximately one mile upstream of lake confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	407	480	350	380	359	324
Length (inches)	16.02	18.90	13.78	14.96	14.13	12.76
Weight (g)	920	1,312	606	744	682	478
Weight (oz)	32.45	46.28	21.38	26.24	24.06	16.86
Sex/Age	M/3	M/4	M/3	F/3	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N
Lesions						Slight/Mild

	Composite - 6 Fish
Bottle Code: 10/6/2015 WILL-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.021
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.305
Mercury ug/g	.148
Mirex ug/g	< .0005
Selenium ug/g	.101 JI
Toxaphene ug/g	< .046

Dallas County **Lat/Lon: 32.32894 / -87.09368**

DANW-6, Cahaba R (Dannelly) - Deepest point, main river channel, Cahaba River embayment, approximately 0.5 miles upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	405	439	310	341	297	307
Length (inches)	15.94	17.28	12.20	13.43	11.69	12.09
Weight (g)	444	688	200	334	168	240
Weight (oz)	15.66	24.27	7.05	11.78	5.93	8.47
Sex/Age	M/6	M/6	F/5	M/6	M/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite			Slight/Mild		Moderate	

	Composite - 6 Fish
Bottle Code: 11/10/2015 DANW-6 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.31
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Dallas County **Lat/Lon: 32.32894 / -87.09368**

DANW-6, Cahaba R (Dannelly) - Deepest point, main river channel, Cahaba River embayment, approximately 0.5 miles upstream of lake confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	420	378	359	339	356	272
Length (inches)	16.54	14.88	14.13	13.35	14.02	10.71
Weight (g)	1,068	696	660	570	644	252
Weight (oz)	37.67	24.55	23.28	20.11	22.72	8.89
Sex/Age	F/6	F/3	F/3	M/4	F/4	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/10/2015 DANW-6 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0027 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	.0007 JI
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.405
Mercury ug/g	.215
Mirex ug/g	< .0005
Selenium ug/g	.07 JI
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.54403 / -87.97369**

CEDF-2, Cedar Ck Res - Dam forebay to 1.0 mile upstream of the dam.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	558	402	400	406	460	450
Length (inches)	21.97	15.83	15.75	15.98	18.11	17.72
Weight (g)	1,824	630	458	558	1,066	766
Weight (oz)	64.34	22.22	16.16	19.68	37.60	27.02
Sex/Age	M/10	F/7	M/6	F/7	M/10	M/9
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Moderate					
Mercury ug/g	.486	< .028	< .028	< .028	.193	< .028

	Composite - 6 Fish
Bottle Code: 10/13/2015 CEDF-2 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.016
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.925
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.54403 / -87.97369**

CEDF-2, Cedar Ck Res - Dam forebay to 1.0 mile upstream of the dam.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	366	331	314	286	281	292
Length (inches)	14.41	13.03	12.36	11.26	11.06	11.50
Weight (g)	664	496	374	300	266	314
Weight (oz)	23.42	17.50	13.19	10.58	9.38	11.08
Sex/Age	M/6	M/2	F	F/2	M/2	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15	10-13-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.417	.126	.133	.226	.188	.122

	Composite - 6 Fish
Bottle Code: 10/13/2015 CEDF-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.155
Mercury ug/g	.213
Mirex ug/g	< .0005
Selenium ug/g	.189 JI
Toxaphene ug/g	< .046

Monroe County **Lat/Lon: 31.61741 / -87.55058**

CLAM-1, Claiborne Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1
Length (mm)	350
Length (inches)	13.78
Weight (g)	300
Weight (oz)	10.58
Sex/Age	M/6
Age Method	Spine
Collection Date	11-17-15
Skin on Fillet	N
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.125
Mercury ug/g	.136
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Monroe County **Lat/Lon: 31.61741 / -87.55058**

CLAM-1, Claiborne Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	365	340	320	340	315
Length (inches)	14.37	13.39	12.60	13.39	12.40
Weight (g)	408	270	260	310	222
Weight (oz)	14.39	9.52	9.17	10.93	7.83
Sex/Age	M/6	M/6	M/5	F/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N	N	N
Mercury ug/g	< .028	< .028	< .028	.163	.108

	Composite - 5 Fish
Bottle Code: 11/11/2015 CLAM-1 CHC 01-05	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.41
Mercury ug/g	.177
Mirex ug/g	< .0005
Selenium ug/g	.043 JI
Toxaphene ug/g	< .046

Monroe County **Lat/Lon: 31.61741 / -87.55058**

CLAM-1, Claiborne Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	385	415	407	332	320	343
Length (inches)	15.16	16.34	16.02	13.07	12.60	13.50
Weight (g)	710	1,024	980	488	468	462
Weight (oz)	25.04	36.12	34.57	17.21	16.51	16.30
Sex/Age	F/4	F/4	F/4	F/3	F/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.578	.606	.388	.188	< .028	.252

	Composite - 6 Fish
Bottle Code: 11/11/2015 CLAM-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0164
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.37
Mercury ug/g	.292
Mirex ug/g	< .0005
Selenium ug/g	.073 JI
Toxaphene ug/g	< .046

Clarke County **Lat/Lon: 31.82900 / -87.50253**

CLAM-7, Claiborne Res - Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	760	435	457
Length (inches)	29.92	17.13	17.99
Weight (g)	5,502	660	852
Weight (oz)	194.08	23.28	30.05
Sex/Age	F/16	M/9	F/10
Age Method	Spine	Spine	Spine
Collection Date	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N
Mercury ug/g	.264	.129	.152

	Composite - 3 Fish
Bottle Code: 11/11/2015 CLAM-7 BLC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0068 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.179
Mercury ug/g	.177
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Clarke County **Lat/Lon: 31.82900 / -87.50253**

CLAM-7, Claiborne Res - Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	290	264	305
Length (inches)	11.42	10.39	12.01
Weight (g)	130	114	190
Weight (oz)	4.59	4.02	6.70
Sex/Age	F/5	F/3	M/5
Age Method	Spine	Spine	Spine
Collection Date	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N
Mercury ug/g	.202	< .028	< .028

	Composite - 3 Fish
Bottle Code: 11/11/2015 CLAM-7 CHC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.22
Mercury ug/g	.104
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Clarke County **Lat/Lon: 31.82900 / -87.50253**

CLAM-7, Claiborne Res - Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	306	410	318	400	304	376
Length (inches)	12.05	16.14	12.52	15.75	11.97	14.80
Weight (g)	390	936	426	952	434	700
Weight (oz)	13.76	33.02	15.03	33.58	15.31	24.69
Sex/Age	M/2	F/4	M/2	F/5	M/2	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.118	.426	.16	.211	.111	.291

	Composite - 6 Fish
Bottle Code: 11/11/2015 CLAM-7 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.36
Mercury ug/g	.166
Mirex ug/g	< .0005
Selenium ug/g	.1 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.75049 / -85.83659**

GUNM-2, Coon Ck (Guntersville) - Deepest point, main creek channel, Raccoon Creek embayment, approximately 2 miles upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	378	515	459	449	380	388
Length (inches)	14.88	20.28	18.07	17.68	14.96	15.28
Weight (g)	362	1,382	658	588	328	502
Weight (oz)	12.77	48.75	23.21	20.74	11.57	17.71
Sex/Age	M/5	M/6	M/5	M/7	M/6	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite		Slight/Mild	Slight/Mild		Slight/Mild	Moderate

	Composite - 6 Fish
Bottle Code: 11/4/2015 GUNM-2 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.002 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.34
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.051 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.75049 / -85.83659**

GUNM-2, Coon Ck (Guntersville) - Deepest point, main creek channel, Raccoon Creek embayment, approximately 2 miles upstream of lake confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	411	380	334	343	376	358
Length (inches)	16.18	14.96	13.15	13.50	14.80	14.09
Weight (g)	894	782	428	542	828	512
Weight (oz)	31.53	27.58	15.10	19.12	29.21	18.06
Sex/Age	M/4	F/4	M/4	M/4	M/4	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Slight/Mild		Slight/Mild		Slight/Mild	

	Composite - 6 Fish
Bottle Code: 11/4/2015 GUNM-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.155
Mercury ug/g	.132
Mirex ug/g	< .0005
Selenium ug/g	.097 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.78814 / -87.69709**

PICL-1, Cypress Ck (Pickwick) - Deepest point, main creek channel, Cypress Creek embayment, approximately 0.5 mile upstream of AL Hwy 20.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	497	508	470	420	388	309
Length (inches)	19.57	20.00	18.50	16.54	15.28	12.17
Weight (g)	980	1,096	916	504	476	262
Weight (oz)	34.57	38.66	32.31	17.78	16.79	9.24
Sex/Age	F/5	M/7	M/6	M/5	M/6	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.416	.099	.25	< .028	< .028	.133

	Composite - 6 Fish
Bottle Code: 10/14/2015 PICL-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.095
Mercury ug/g	.232
Mirex ug/g	< .0005
Selenium ug/g	.047 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.78814 / -87.69709**

PICL-1, Cypress Ck (Pickwick) - Deepest point, main creek channel, Cypress Creek embayment, approximately 0.5 mile upstream of AL Hwy 20.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	400	354	473	356	334	319
Length (inches)	15.75	13.94	18.62	14.02	13.15	12.56
Weight (g)	980	632	1,360	678	492	422
Weight (oz)	34.57	22.29	47.97	23.92	17.35	14.89
Sex/Age	F/5	F/3	M/7	M/5	M/4	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.117	.303	.353	.237	.145	.188

	Composite - 6 Fish
Bottle Code: 10/14/2015 PICL-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.091 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.65
Mercury ug/g	.193
Mirex ug/g	< .0005
Selenium ug/g	.13 JI
Toxaphene ug/g	< .046

Wilcox County **Lat/Lon: 32.10349 / -87.39861**

DANW-1, Dannelly Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2
Length (mm)	661	446
Length (inches)	26.02	17.56
Weight (g)	3,206	758
Weight (oz)	113.09	26.74
Sex/Age	M/9	M/5
Age Method	Spine	Spine
Collection Date	11-10-15	11-10-15
Skin on Fillet	N	N

	Composite - 2 Fish	
Bottle Code: 11/10/2015 DANW-1 BLC 01-02		
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	.0066	JI
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	1.36	
Mercury ug/g	.103	
Mirex ug/g	< .0005	
Selenium ug/g	< .0424	
Toxaphene ug/g	< .046	

Wilcox County **Lat/Lon: 32.10349 / -87.39861**

DANW-1, Dannelly Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	401	379	372
Length (inches)	15.79	14.92	14.65
Weight (g)	382	388	430
Weight (oz)	13.47	13.69	15.17
Sex/Age	M/6	M/5	M/4
Age Method	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N
Deformities			Slight/Mild
Internal Parasite	Slight/Mild		

	Composite - 3 Fish
Bottle Code: 11/10/2015 DANW-1 CHC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.235
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.049 JI
Toxaphene ug/g	< .046

Wilcox County **Lat/Lon: 32.10349 / -87.39861**

DANW-1, Dannelly Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	320	340	354	330	340	430
Length (inches)	12.60	13.39	13.94	12.99	13.39	16.93
Weight (g)	568	572	640	550	626	1,264
Weight (oz)	20.04	20.18	22.58	19.40	22.08	44.59
Sex/Age	M/3	F/3	F/2	M/2	F/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/10/2015 DANW-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0019 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	.0007 JI
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.645
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.063 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.63667 / -88.09583**

DOGM-1, Dog R - Dog River in the vicinity of I-10 bridge. Lat/Lon calculated at the I-10 bridge.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	413	360	325	445	313	315
Length (inches)	16.26	14.17	12.80	17.52	12.32	12.40
Weight (g)	1,026	694	466	1,424	484	310
Weight (oz)	36.19	24.48	16.44	50.23	17.07	10.93
Sex/Age	F/4	F/3	F/3	F/6	F/2	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15
Skin on Fillet	N	N	N	N	N	N
Lesions	Slight/Mild					

	Composite - 6 Fish
Bottle Code: 11/3/2015 DOGM-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0037 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.205
Mercury ug/g	.297
Mirex ug/g	< .0005
Selenium ug/g	.08 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.63667 / -88.09583**

DOGM-1, Dog R - Dog River in the vicinity of I-10 bridge. Lat/Lon calculated at the I-10 bridge.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	404	283	279	286	290
Length (inches)	15.91	11.14	10.98	11.26	11.42
Weight (g)	758	256	242	250	260
Weight (oz)	26.74	9.03	8.54	8.82	9.17
Sex/Age	F/4	M/1	M/1	F/1	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15
Skin on Fillet	N	N	N	N	N

	Composite - 5 Fish
Bottle Code: 11/3/2015 DOGM-1 STM 01-05	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.143 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.12
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.065 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.63667 / -88.09583**

DOGM-1, Dog R - Dog River in the vicinity of I-10 bridge. Lat/Lon calculated at the I-10 bridge.

White Catfish (Ameiurus catus)

	Fish 1	
Length (mm)	419	
Length (inches)	16.50	
Weight (g)	996	
Weight (oz)	35.13	
Sex/Age	M/3	
Age Method	Spine	
Collection Date	11-03-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	.0096	JI
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	1.325	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	< .0424	
Toxaphene ug/g	< .046	

Jefferson County **Lat/Lon: 33.56860 / -86.72634**

EALJ-1, East Lake - East Lake, Birmingham, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	405	414	418	411	445	420
Length (inches)	15.94	16.30	16.46	16.18	17.52	16.54
Weight (g)	574	514	590	544	712	708
Weight (oz)	20.25	18.13	20.81	19.19	25.12	24.97
Sex/Age	F/4	M/4	F/4	M/4	F/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15
Skin on Fillet	N	N	N	N	N	N
2,4-DDD ug/g	< .0008	< .0008	< .0008	< .0008	< .0008	< .0008
2,4-DDE ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	< .0007
2,4-DDT ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
4,4-DDD ug/g	.0022 JI	< .002	< .002 JI	< .002	< .002	< .002
4,4-DDE ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
4,4-DDT ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Arochlor 1016 ug/g	< .008	< .008	< .008	< .008	< .008	< .008
Arochlor 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1254 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Arochlor 1260 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Total PCB's ug/g	< .54	< .54	< .54	< .54	< .54	< .54
Arsenic ug/g	< .059	< .059	< .059	< .059	< .059	< .059
Cadmium ug/g	< .0079	< .0079	< .0079	< .0079	< .0079	< .0079
Chlordane ug/g	< .023	< .023	< .023	< .023	< .023	< .023
Dursban(chlorpyrifos) ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Dieldrin ug/g	.0021 JI	< .0007	< .0007	< .0007	.0017 JI	< .0007
Endosulfan I ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Endosulfan II ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Endrin ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Heptachlor ug/g	< .0016	< .0016	< .0016	< .0016	< .0016	< .0016
Heptachlor-epoxide ug/g	< .0012	< .0012	< .0012	< .0012	< .0012	< .0012
Hexachlorobenzene ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
Lindane (gamma BHC) ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
Lipid %	1.565	.91	.605	.895	2.335	.725
Mercury ug/g	< .028	< .028	< .028	< .028	< .028	< .028
Mirex ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Selenium ug/g	< .0424	< .0424	< .0424	< .0424	< .0424	< .0424
Toxaphene ug/g	< .046	< .046	< .046	< .046	< .046	< .046

Jefferson County **Lat/Lon: 33.56860 / -86.72634**

EALJ-1, East Lake - East Lake, Birmingham, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	361	427	440	370	380	343
Length (inches)	14.21	16.81	17.32	14.57	14.96	13.50
Weight (g)	770	1,016	1,390	840	1,080	596
Weight (oz)	27.16	35.84	49.03	29.63	38.10	21.02
Sex/Age	F/4	F/5	F/4	F/3	M/5	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15
Skin on Fillet	N	N	N	N	N	N
2,4-DDD ug/g	< .0008	< .0008	< .0008	< .0008	< .0008	< .0008
2,4-DDE ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	< .0007
2,4-DDT ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
4,4-DDD ug/g	< .002	< .002	< .002	< .002	< .002	< .002
4,4-DDE ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
4,4-DDT ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Arochlor 1016 ug/g	< .008	< .008	< .008	< .008	< .008	< .008
Arochlor 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1254 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Arochlor 1260 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Total PCB's ug/g	< .54	< .54	< .54	< .54	< .54	< .54
Arsenic ug/g	< .059	< .059	< .059	< .059	< .059	< .059
Cadmium ug/g	< .0079	< .0079	< .0079	< .0079	< .0079	< .0079
Chlordane ug/g	< .023	< .023	< .023	< .023	< .023	< .023
Dursban(chlorpyrifos) ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Dieldrin ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	< .0007
Endosulfan I ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Endosulfan II ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Endrin ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Heptachlor ug/g	< .0016	< .0016	< .0016	< .0016	< .0016	< .0016
Heptachlor-epoxide ug/g	< .0012	< .0012	< .0012	< .0012	< .0012	< .0012
Hexachlorobenzene ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
Lindane (gamma BHC) ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
Lipid %	.315	.145	.695	.275	.73	.124
Mercury ug/g	< .028	.121	< .028	.095	.121	< .028
Mirex ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Selenium ug/g	.357 JI	.256 JI	.231 JI	.375 JI	.334 JI	.393 JI
Toxaphene ug/g	< .046	< .046	< .046	< .046	< .046	< .046

Lauderdale County **Lat/Lon: 34.81025 / -87.2235(**

ELKL-1, Elk R (Wheeler) - Elk River embayment approximately river mile 6 (NE 1/4, Sec 12).

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	495	495	449	532	562	532
Length (inches)	19.49	19.49	17.68	20.94	22.13	20.94
Weight (g)	1,052	1,090	722	1,146	1,602	1,468
Weight (oz)	37.11	38.45	25.47	40.42	56.51	51.78
Sex/Age	F	F	M	M	F	F
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/22/2015 ELKL-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0047 JI
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.515
Mercury ug/g	.172
Mirex ug/g	< .0005
Selenium ug/g	.059 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.81025 / -87.2235(**

ELKL-1, Elk R (Wheeler) - Elk River embayment approximately river mile 6 (NE 1/4, Sec 12).

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	351	430	407	375	410	477
Length (inches)	13.82	16.93	16.02	14.76	16.14	18.78
Weight (g)	720	1,414	1,132	800	964	1,524
Weight (oz)	25.40	49.88	39.93	28.22	34.00	53.76
Sex/Age	M	F	F	M	F	F
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/22/2015 ELKL-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0621
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	.001 JI
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.85
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.86274 / -88.41787**

E-1, Escatawpa R - Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	310	344	325	335	314
Length (inches)	12.20	13.54	12.80	13.19	12.36
Weight (g)	308	424	320	358	286
Weight (oz)	10.86	14.96	11.29	12.63	10.09
Sex/Age	M	M	M	M	M
Age Method	N/A	N/A	N/A	N/A	N/A
Collection Date	12-02-15	12-02-15	12-02-15	12-02-15	12-02-15
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.617	.794	.533	.542	.832

	Composite - 5 Fish	
Bottle Code: 12/2/2015 E-1 BKR 01-05		
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	.44	
Mercury ug/g	.583	
Mirex ug/g	< .0005	
Selenium ug/g	.218	JI
Toxaphene ug/g	< .046	

Mobile County **Lat/Lon: 30.86274 / -88.41787**

E-1, Escatawpa R - Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2
Length (mm)	354	410
Length (inches)	13.94	16.14
Weight (g)	292	488
Weight (oz)	10.30	17.21
Sex/Age	M/4	F/5
Age Method	Spine	Spine
Collection Date	12-02-15	12-02-15
Skin on Fillet	N	N
Mercury ug/g	.232	.306

	Composite - 2 Fish	
Bottle Code: 12/2/2015 E-1 CHC 01-02		
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	1.185	
Mercury ug/g	.237	
Mirex ug/g	< .0005	
Selenium ug/g	.058	JI
Toxaphene ug/g	< .046	

Mobile County **Lat/Lon: 30.86274 / -88.41787**

E-1, Escatawpa R - Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	260	290	281
Length (inches)	10.24	11.42	11.06
Weight (g)	240	314	246
Weight (oz)	8.47	11.08	8.68
Sex/Age	F/3	F	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	12-02-15	12-02-15	12-02-15
Skin on Fillet	N	N	N
Mercury ug/g	.85	.704	1.109

	Composite - 3 Fish
Bottle Code: 12/2/2015 E-1 LMB 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.145
Mercury ug/g	.662
Mirex ug/g	< .0005
Selenium ug/g	.176 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.86274 / -88.41787**

E-1, Escatawpa R - Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	312	328	294
Length (inches)	12.28	12.91	11.57
Weight (g)	398	350	292
Weight (oz)	14.04	12.35	10.30
Sex/Age	M/6	M/5	M/5
Age Method	Otolith	Otolith	Otolith
Collection Date	12-02-15	12-02-15	12-02-15
Skin on Fillet	N	N	N
Mercury ug/g	1.855	.814	.848

	Composite - 3 Fish
Bottle Code: 12/2/2015 E-1 SPB 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.16
Mercury ug/g	.775
Mirex ug/g	< .0005
Selenium ug/g	.163 JI
Toxaphene ug/g	< .046

Morgan County **Lat/Lon: 34.49114 / -86.96539**

FTCM-6, Flint Ck - Flint Creek downstream of Flint Creek/West Flint Creek confluence. Vicinity of US Hwy 31.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	371	495	383	435	444	390
Length (inches)	14.61	19.49	15.08	17.13	17.48	15.35
Weight (g)	398	1,022	434	572	702	442
Weight (oz)	14.04	36.05	15.31	20.18	24.76	15.59
Sex/Age	F/5	M/8	F/6	M/7	F/5	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-27-15	10-27-15	10-27-15	10-27-15	10-27-15	10-27-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.134	< .028	.091	< .028	.127	.134

	Composite - 6 Fish	
Bottle Code: 10/27/2015 FTCM-6 CHC 01-06		
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	.018	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	1.78	
Mercury ug/g	.094	
Mirex ug/g	.0043	JI
Selenium ug/g	.049	JI
Toxaphene ug/g	< .046	

Morgan County **Lat/Lon: 34.49114 / -86.96539**

FTCM-6, Flint Ck - Flint Creek downstream of Flint Creek/West Flint Creek confluence. Vicinity of US Hwy 31.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	383	323	312	415	339	314
Length (inches)	15.08	12.72	12.28	16.34	13.35	12.36
Weight (g)	890	524	444	1,008	672	438
Weight (oz)	31.39	18.48	15.66	35.56	23.70	15.45
Sex/Age	F/4	F/4	F/3	F/5	M/4	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-27-15	10-27-15	10-27-15	10-27-15	10-27-15	10-27-15
Skin on Fillet	N	N	N	N	N	N
Lesions		Slight/Mild				
Mercury ug/g	.371	.239	.399	.334	.252	.449

	Composite - 6 Fish
Bottle Code: 10/27/2015 FTCM-6 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	.014 JI
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.645
Mercury ug/g	.311
Mirex ug/g	< .0005
Selenium ug/g	.065 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.46244 / -88.15594**

FLR-8, Fowl R - Fowl River, in the vicinity of Muddy Creek confluence and Fowl River Road bridge crossing lat/lon calculated at bridge crossing.

Creek Chubsucker (Erimyzon oblongus)

	Fish 1	Fish 2	Fish 3
Length (mm)	375	252	236
Length (inches)	14.76	9.92	9.29
Weight (g)	866	204	172
Weight (oz)	30.55	7.20	6.07
Sex/Age	F	M	F
Age Method	Otolith	Otolith	Otolith
Collection Date	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N
Mercury ug/g	.188	< .028	< .028

	Composite - 3 Fish
Bottle Code: 12/7/2015 FLR-8 CRC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.38
Mercury ug/g	.179
Mirex ug/g	< .0005
Selenium ug/g	.088 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.46244 / -88.15594**

FLR-8, Fowl R - Fowl River, in the vicinity of Muddy Creek confluence and Fowl River Road bridge crossing lat/lon calculated at bridge crossing.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	324	365	305	306	305	439
Length (inches)	12.76	14.37	12.01	12.05	12.01	17.28
Weight (g)	496	702	404	362	364	1,258
Weight (oz)	17.50	24.76	14.25	12.77	12.84	44.37
Sex/Age	F/4	F/8	F/4	F/3	F/6	F/9
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite		Slight/Mild	Slight/Mild			
Mercury ug/g	.304	1.361	.908	1.004	1.988	1.176

	Composite - 6 Fish
Bottle Code: 12/7/2015 FLR-8 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.165
Mercury ug/g	.642
Mirex ug/g	< .0005
Selenium ug/g	.139 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.46244 / -88.15594**

FLR-8, Fowl R - Fowl River, in the vicinity of Muddy Creek confluence and Fowl River Road bridge crossing lat/lon calculated at bridge crossing.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3
Length (mm)	293	380	346
Length (inches)	11.54	14.96	13.62
Weight (g)	392	536	468
Weight (oz)	13.83	18.91	16.51
Sex/Age	M/1	F/2	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N
Mercury ug/g	< .028	< .028	< .028

	Composite - 3 Fish
Bottle Code: 12/7/2015 FLR-8 STM 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	.0008 JI
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.159 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.66
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.109 JI
Toxaphene ug/g	< .046

County **Lat/Lon: 29.67917 / -88.08233**

GMEX-9, Gulf Of Mexico - Gulf of Mexico.

Red Snapper (Lutjanus campechanus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	321	340	331	391	405
Length (inches)	12.64	13.39	13.03	15.39	15.94
Weight (g)	466	526	514	794	1,006
Weight (oz)	16.44	18.55	18.13	28.01	35.49
Sex/Age	F/2	F/2	F/2	M/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	08-25-15	08-25-15	08-25-15	08-25-15	08-25-15
Skin on Fillet	N	N	N	N	N

	Composite - 5 Fish
Bottle Code: 8/25/2015 GMEX-9 RSN 01-05	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.237 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.135
Mercury ug/g	.098
Mirex ug/g	< .0005
Selenium ug/g	.184 JI
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.42378 / -86.37447**

TENR-350, Guntersville Res - Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	452	535	524	545	465	563
Length (inches)	17.80	21.06	20.63	21.46	18.31	22.17
Weight (g)	758	1,720	1,524	1,412	1,096	1,918
Weight (oz)	26.74	60.67	53.76	49.81	38.66	67.66
Sex/Age	M/8	M/8	M/8	M/7	M/6	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild	Slight/Mild	Slight/Mild

	Composite - 6 Fish
Bottle Code: 11/11/2015 TENR-350 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	4.805
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.42378 / -86.37447**

TENR-350, Guntersville Res - Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	420	415	375	387	400	356
Length (inches)	16.54	16.34	14.76	15.24	15.75	14.02
Weight (g)	1,164	1,198	810	800	916	642
Weight (oz)	41.06	42.26	28.57	28.22	32.31	22.65
Sex/Age	M/4	M/3	F/4	M/4	F/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15	11-11-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite					Slight/Mild	

	Composite - 6 Fish
Bottle Code: 11/11/2015 TENR-350 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.535
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.131 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.88591 / -85.74565**

TENR-408, Guntersville Res - Guntersville Reservoir, vicinity of Tennessee River mile 408. Just downstream of Widows Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	462	481	520	462	543	386
Length (inches)	18.19	18.94	20.47	18.19	21.38	15.20
Weight (g)	850	1,006	1,310	962	1,568	510
Weight (oz)	29.98	35.49	46.21	33.93	55.31	17.99
Sex/Age	F/6	F/6	M/7	F/6	F/7	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .028	< .028	< .028	< .028	< .028	< .028

	Composite - 6 Fish
Bottle Code: 10/20/2015 TENR-408 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	.071
Total PCB's ug/g	.071
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.12
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.061 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.88591 / -85.74565**

TENR-408, Guntersville Res - Guntersville Reservoir, vicinity of Tennessee River mile 408. Just downstream of Widows Creek.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	326	422	430	390	333
Length (inches)	16.14	12.83	16.61	16.93	15.35	13.11
Weight (g)	1,146	508	1,130	1,052	1,044	504
Weight (oz)	40.42	17.92	39.86	37.11	36.83	17.78
Sex/Age	M/4	F/2	F/4	F/6	F/4	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N
Lesions				Slight/Mild		
Mercury ug/g	.154	< .028	.131	.207	.101	.173

	Composite - 6 Fish
Bottle Code: 10/20/2015 TENR-408 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.205
Mercury ug/g	.133
Mirex ug/g	< .0005
Selenium ug/g	.237 JI
Toxaphene ug/g	< .046

Randolph County **Lat/Lon: 33.26406 / -85.61267**

RLHR-1, Harris Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2
Length (mm)	622	512
Length (inches)	24.49	20.16
Weight (g)	2,346	940
Weight (oz)	82.75	33.16
Sex/Age	F/8	M/7
Age Method	Spine	Spine
Collection Date	11-17-15	11-17-15
Skin on Fillet	N	N
Mercury ug/g	.329	.208

	Composite - 2 Fish
Bottle Code: 11/17/2015 RLHR-1 BLC 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.835
Mercury ug/g	.394
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Randolph County **Lat/Lon: 33.26406 / -85.61267**

RLHR-1, Harris Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	
Length (mm)	331	
Length (inches)	13.03	
Weight (g)	266	
Weight (oz)	9.38	
Sex/Age	F/4	
Age Method	Spine	
Collection Date	11-17-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	.135	
Mercury ug/g	.209	
Mirex ug/g	< .0005	
Selenium ug/g	.066	JI
Toxaphene ug/g	< .046	

Randolph County **Lat/Lon: 33.26406 / -85.61267**

RLHR-1, Harris Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	446	353	455	332	376	333
Length (inches)	17.56	13.90	17.91	13.07	14.80	13.11
Weight (g)	1,042	468	1,150	434	589	442
Weight (oz)	36.76	16.51	40.57	15.31	20.78	15.59
Sex/Age	F/4	F/2	M/5	M/2	M/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.333	.172	.361	.233	.361	.157

	Composite - 6 Fish
Bottle Code: 11/17/2015 RLHR-1 SPB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.42
Mercury ug/g	.235
Mirex ug/g	< .0005
Selenium ug/g	.142 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.33719 / -88.13689**

HRNM-1, Heron Bay - Heron Bay.

Atlantic Croaker (Micropogon undulatus)

	Fish 1	Fish 2
Length (mm)	181	205
Length (inches)	7.13	8.07
Weight (g)	70	106
Weight (oz)	2.47	3.74
Sex/Age	M/1	F/1
Age Method	Otolith	Otolith
Collection Date	12-07-15	12-07-15
Skin on Fillet	N	N

	Composite - 2 Fish
Bottle Code: 12/1/2015 HRNM-1 ATC 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	.0037 JI
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.95
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.385
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.28 JI
Toxaphene ug/g	< .046

Pigfish (Orthopristis chrysoptera)

	Fish 1	Fish 2	Fish 3
Length (mm)	252	217	197
Length (inches)	9.92	8.54	7.76
Weight (g)	250	154	126
Weight (oz)	8.82	5.43	4.44
Sex/Age	F/5	M	M
Age Method	Otolith	Otolith	Otolith
Collection Date	12-01-15	12-01-15	12-01-15
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 12/1/2015 HRNM-1 PGF 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	1.066
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.35
Mercury ug/g	.153
Mirex ug/g	< .0005
Selenium ug/g	.212 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.33719 / -88.13689**

HRNM-1, Heron Bay - Heron Bay.

Sand Seatrout (Cynoscion arenarius)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	229	248	270	295
Length (inches)	9.02	9.76	10.63	11.61
Weight (g)	108	150	208	304
Weight (oz)	3.81	5.29	7.34	10.72
Sex/Age	F/1	F/2	F/1	F/1
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	12-07-15	12-07-15	12-07-15	12-07-15
Skin on Fillet	N	N	N	N

	Composite - 4 Fish
Bottle Code: 12/1/2015 HRNM-1 SST 01-04	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0078 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.214 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.29
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.18 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.33719 / -88.13689**

HRNM-1, Heron Bay - Heron Bay.

Southern Kingfish (Menticirrhus americanus)

	Fish 1	
Length (mm)	300	
Length (inches)	11.81	
Weight (g)	320	
Weight (oz)	11.29	
Sex/Age	F/1	
Age Method	Otolith	
Collection Date	12-07-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	.0018	JI
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	.231	JI
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	2.465	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.211	JI
Toxaphene ug/g	< .046	

Mobile County **Lat/Lon: 30.33719 / -88.13689**

HRNM-1, Heron Bay - Heron Bay.

Spot Croaker (Leiostomus xanthurus)

	Fish 1	
Length (mm)	255	
Length (inches)	10.04	
Weight (g)	250	
Weight (oz)	8.82	
Sex/Age	F	
Age Method	Otolith	
Collection Date	12-07-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	.248	JI
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	2.41	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.112	JI
Toxaphene ug/g	< .046	

Limestone County **Lat/Lon: 34.59333 / -86.89028**

WHEL-5, Limestone Ck (Wheeler) - Limestone Creek embayment beginning approximately 1 mile upstream of confluence with Tennessee River.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	440	545	590	525	445	432
Length (inches)	17.32	21.46	23.23	20.67	17.52	17.01
Weight (g)	846	1,600	2,244	1,270	780	656
Weight (oz)	29.84	56.44	79.15	44.80	27.51	23.14
Sex/Age	M/6	F/7	M/8	M/7	M/5	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .028	< .028	< .028	.097	< .028	< .028

	Composite - 6 Fish
Bottle Code: 10/28/2015 WHEL-5 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.067 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.22
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Limestone County **Lat/Lon: 34.59333 / -86.89028**

WHEL-5, Limestone Ck (Wheeler) - Limestone Creek embayment beginning approximately 1 mile upstream of confluence with Tennessee River.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	390	330	442	424	355	343
Length (inches)	15.35	12.99	17.40	16.69	13.98	13.50
Weight (g)	906	520	1,268	1,006	724	596
Weight (oz)	31.96	18.34	44.73	35.49	25.54	21.02
Sex/Age	F/4	M/2	F/5	M/5	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N
Lesions	Slight/Mild					
Mercury ug/g	.105	.104	.27	.436	.109	.182

	Composite - 6 Fish
Bottle Code: 10/28/2015 WHEL-5 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.035
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.365
Mercury ug/g	.208
Mirex ug/g	< .0005
Selenium ug/g	.08 JI
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.45193 / -87.97322**

LBRF-2, Little Bear Ck Res - Dam forebay area, Little Bear Creek mile 12.5.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	583	559	468	355	490	455
Length (inches)	22.95	22.01	18.43	13.98	19.29	17.91
Weight (g)	1,932	1,460	964	280	1,100	828
Weight (oz)	68.15	51.50	34.00	9.88	38.80	29.21
Sex/Age	M/7	F/5	F/6	M/6	M/6	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-15	10-06-15	10-06-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.103	.102	.272	.152	.118	.186

	Composite - 6 Fish
Bottle Code: 10/6/2015 LBRF-2 CHC 01-06	
2,4-DDD ug/g	.0095 JI
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.68
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Franklin County **Lat/Lon: 34.45193 / -87.97322**

LBRF-2, Little Bear Ck Res - Dam forebay area, Little Bear Creek mile 12.5.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	437	415	365	339	345	337
Length (inches)	17.20	16.34	14.37	13.35	13.58	13.27
Weight (g)	1,166	830	588	562	494	450
Weight (oz)	41.13	29.28	20.74	19.82	17.43	15.87
Sex/Age	F/5	F/6	M/3	M/2	F/5	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite					Slight/Mild	
Mercury ug/g	.598	.643	.339	.293	.657	.205

	Composite - 6 Fish
Bottle Code: 10/6/2015 LBRF-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.27
Mercury ug/g	.445
Mirex ug/g	< .0005
Selenium ug/g	.112 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.89911 / -85.70357**

GUNM-11, Long Island Ck (Guntersville) - Deepest point, main creek channel, approximately 0.5 mi upstream from the main reservoir.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	464	406	493	422	413	430
Length (inches)	18.27	15.98	19.41	16.61	16.26	16.93
Weight (g)	918	482	1,190	606	464	528
Weight (oz)	32.38	17.00	41.98	21.38	16.37	18.62
Sex/Age	M/5	M/4	F/7	M/4	M/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N
Deformities						Slight/Mild
Internal Parasite	Slight/Mild	Slight/Mild			Slight/Mild	
Lesions	Severe/Heavy	Slight/Mild				

	Composite - 6 Fish
Bottle Code: 10/20/2015 GUNM-11 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	.076
Total PCB's ug/g	.076
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.45
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.89911 / -85.70357**

GUNM-11, Long Island Ck (Guntersville) - Deepest point, main creek channel, approximately 0.5 mi upstream from the main reservoir.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	381	424	368	409	436	335
Length (inches)	15.00	16.69	14.49	16.10	17.17	13.19
Weight (g)	842	1,058	662	1,162	1,234	474
Weight (oz)	29.70	37.32	23.35	40.99	43.53	16.72
Sex/Age	M/5	F/7	F/4	M/6	M/8	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Slight/Mild	Slight/Mild		Slight/Mild		Slight/Mild

	Composite - 6 Fish
Bottle Code: 10/20/2015 GUNM-11 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	.01 JI
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.21
Mercury ug/g	.279
Mirex ug/g	< .0005
Selenium ug/g	.08 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.68647 / -85.91073**

MARE-1, Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	497	363	357	501	428	375
Length (inches)	19.57	14.29	14.06	19.72	16.85	14.76
Weight (g)	1,024	394	422	1,174	562	448
Weight (oz)	36.12	13.90	14.89	41.41	19.82	15.80
Sex/Age	M/6	F/3	M/5	F/7	F/4	F/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/2/2015 MARE-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.14
Mercury ug/g	.095
Mirex ug/g	< .0005
Selenium ug/g	.093 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.68647 / -85.91073**

MARE-1, Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	416	442	460	423	397	341
Length (inches)	16.38	17.40	18.11	16.65	15.63	13.43
Weight (g)	824	910	1,402	1,046	766	444
Weight (oz)	29.07	32.10	49.45	36.90	27.02	15.66
Sex/Age	F/3	F/4	F/4	F/3	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/2/2015 MARE-1 SPB 01-06	
2,4-DDD ug/g	.0029 JI
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.015
Mercury ug/g	.237
Mirex ug/g	< .0005
Selenium ug/g	.195 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.66581 / -88.02936**

MOBM-2, Mobile Bay - Little Sand Island area, Mobile River at its confluence with Mobile Bay.

Sand Seatrout (Cynoscion arenarius)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	275	333	255	245
Length (inches)	10.83	13.11	10.04	9.65
Weight (g)	234	282	190	148
Weight (oz)	8.25	9.95	6.70	5.22
Sex/Age	F/1	F/1	F/2	F/1
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	12-08-15	12-08-15	12-08-15	12-08-15
Skin on Fillet	N	N	N	N

	Composite - 4 Fish
Bottle Code: 12/1/2015 MOBM-2 SST 01-04	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	.0228
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.173 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.26
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.192 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.66581 / -88.02936**

MOBM-2, Mobile Bay - Little Sand Island area, Mobile River at its confluence with Mobile Bay.

Southern Kingfish (Menticirrhus americanus)

	Fish 1	
Length (mm)	245	
Length (inches)	9.65	
Weight (g)	166	
Weight (oz)	5.86	
Sex/Age	F/3	
Age Method	Otolith	
Collection Date	12-08-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	.0065	JI
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	.33	JI
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	1.23	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.228	JI
Toxaphene ug/g	< .046	

Mobile County **Lat/Lon: 30.66581 / -88.02936**

MOBM-2, Mobile Bay - Little Sand Island area, Mobile River at its confluence with Mobile Bay.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	450	376	334	378	355	347
Length (inches)	17.72	14.80	13.15	14.88	13.98	13.66
Weight (g)	934	502	364	558	508	470
Weight (oz)	32.95	17.71	12.84	19.68	17.92	16.58
Sex/Age	F/3	M/2	M/1	F/2	M/2	F/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-01-15	12-01-15	12-01-15	12-01-15	12-01-15	12-01-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 12/1/2015 MOBM-2 STM 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0033 JI
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.002 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.156 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.61
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.126 JI
Toxaphene ug/g	< .046

Hardin County **Lat/Lon: 35.01064 / -88.20281**

TENR-214, Pickwick Res - Pickwick Reservoir, Tennessee River mile 214.1.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	491	466	378	505	453	377
Length (inches)	19.33	18.35	14.88	19.88	17.83	14.84
Weight (g)	1,106	954	412	1,388	626	412
Weight (oz)	39.01	33.65	14.53	48.96	22.08	14.53
Sex/Age	F/6	M/6	F/5	F/7	F/6	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/5/2015 TENR-214 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.325
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.051 JI
Toxaphene ug/g	< .046

Hardin County **Lat/Lon: 35.01064 / -88.20281**

TENR-214, Pickwick Res - Pickwick Reservoir, Tennessee River mile 214.1.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	400	365	395	381	460	361
Length (inches)	15.75	14.37	15.55	15.00	18.11	14.21
Weight (g)	896	712	796	930	1,460	688
Weight (oz)	31.61	25.12	28.08	32.80	51.50	24.27
Sex/Age	F/3	F/3	F/2	F/3	F/6	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/5/2015 TENR-214 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.7
Mercury ug/g	.105
Mirex ug/g	< .0005
Selenium ug/g	.079 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.34400 / -88.24858**

PRBM-1, Portersville Bay - Main channel offshore south of Bayou La Batre.

Atlantic Croaker (Micropogon undulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	175	197	195	185	166	177
Length (inches)	6.89	7.76	7.68	7.28	6.54	6.97
Weight (g)	60	94	78	70	60	70
Weight (oz)	2.12	3.32	2.75	2.47	2.12	2.47
Sex/Age	Ukn/1	Ukn/1	M/1	Ukn/2	M/1	F/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-01-15	12-01-15	12-01-15	12-01-15	12-01-15	12-01-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 12/1/2015 PRBM-1 ATC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.918
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.28
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.254 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.34400 / -88.24858**

PRBM-1, Portersville Bay - Main channel offshore south of Bayou La Batre.

Sand Seatrout (Cynoscion arenarius)

	Fish 1	Fish 2
Length (mm)	240	252
Length (inches)	9.45	9.92
Weight (g)	144	154
Weight (oz)	5.08	5.43
Sex/Age	F/1	F/1
Age Method	Otolith	Otolith
Collection Date	12-01-15	12-01-15
Skin on Fillet	N	N

	Composite - 2 Fish
Bottle Code: 12/1/2015 PRBM-1 SST 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0019 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.261 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.18
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.261 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.34400 / -88.24858**

PRBM-1, Portersville Bay - Main channel offshore south of Bayou La Batre.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	345	362	398	320
Length (inches)	13.58	14.25	15.67	12.60
Weight (g)	392	640	622	362
Weight (oz)	13.83	22.58	21.94	12.77
Sex/Age	M/2	F/3	F/4	M/1
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	12-01-15	12-01-15	12-01-15	12-01-15
Skin on Fillet	N	N	N	N

	Composite - 4 Fish
Bottle Code: 12/1/2015 PRBM-1 STM 01-04	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.065 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.095
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.072 JI
Toxaphene ug/g	< .046

Limestone County **Lat/Lon: 34.69864 / -87.05074**

WHEL-8, Round Island Ck (Wheeler) - Deepest point, main creek channel, Round Island Creek embayment, approximately 1.5 miles upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	445	560	493	429	449
Length (inches)	17.52	22.05	19.41	16.89	17.68
Weight (g)	828	2,218	1,216	656	838
Weight (oz)	29.21	78.24	42.89	23.14	29.56
Sex/Age	M/7	M/9	F/6	M/5	M/7
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15
Skin on Fillet	N	N	N	N	N
Mercury ug/g	< .028	< .028	< .028	< .028	< .028

	Composite - 5 Fish
Bottle Code: 10/14/2015 WHEL-8 CHC 01-05	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.965
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.091 JI
Toxaphene ug/g	< .046

Limestone County **Lat/Lon: 34.69864 / -87.05074**

WHEL-8, Round Island Ck (Wheeler) - Deepest point, main creek channel, Round Island Creek embayment, approximately 1.5 miles upstream of lake confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	394	370	340	324	374
Length (inches)	16.14	15.51	14.57	13.39	12.76	14.72
Weight (g)	1,038	962	824	612	526	592
Weight (oz)	36.61	33.93	29.07	21.59	18.55	20.88
Sex/Age	F/3	F/4	F/4	F/1	F/1	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15	10-14-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite						Slight/Mild
Mercury ug/g	.273	.136	.308	< .028	< .028	.226

	Composite - 6 Fish
Bottle Code: 10/14/2015 WHEL-8 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.705
Mercury ug/g	.181
Mirex ug/g	< .0005
Selenium ug/g	.117 JI
Toxaphene ug/g	< .046

Dallas County **Lat/Lon: 32.32575 / -87.01250**

DANW-15, Sixmile Ck (Dannelly) - Sixmile Creek upstream of confluence with the Alabama River, near Selma.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	276	305	269	279	259	239
Length (inches)	10.87	12.01	10.59	10.98	10.20	9.41
Weight (g)	170	216	138	186	120	94
Weight (oz)	6.00	7.62	4.87	6.56	4.23	3.32
Sex/Age	M/5	M/5	M/5	M/5	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite			Slight/Mild		Slight/Mild	Moderate
Mercury ug/g	.111	.235	.095	< .028	< .028	.108

	Composite - 6 Fish
Bottle Code: 11/10/2015 DANW-15 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.315
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Dallas County **Lat/Lon: 32.32575 / -87.01250**

DANW-15, Sixmile Ck (Dannelly) - Sixmile Creek upstream of confluence with the Alabama River, near Selma.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	420	375	371	344	327	342
Length (inches)	16.54	14.76	14.61	13.54	12.87	13.46
Weight (g)	1,124	830	750	648	514	618
Weight (oz)	39.65	29.28	26.46	22.86	18.13	21.80
Sex/Age	F/5	M/3	F/3	F/3	F/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.302	.17	.122	.123	.154	.129

	Composite - 6 Fish
Bottle Code: 11/10/2015 DANW-15 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.115
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.051 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.60766 / -85.88221**

YATE-2, Sougahatchee Ck (Yates) - Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 0.8 miles upstream from the Tallapoosa River confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	462	473	406	426	436	441
Length (inches)	18.19	18.62	15.98	16.77	17.17	17.36
Weight (g)	916	914	524	650	788	716
Weight (oz)	32.31	32.24	18.48	22.93	27.80	25.26
Sex/Age	M/6	M/7	M/5	M/5	M/6	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.181	.122	.093	.128	.121	.096

	Composite - 6 Fish
Bottle Code: 10/28/2015 YATE-2 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.003 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .054
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.665
Mercury ug/g	.135
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.60766 / -85.88221**

YATE-2, Sougahatchee Ck (Yates) - Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 0.8 miles upstream from the Tallapoosa River confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	400	342	422	363	441	373
Length (inches)	15.75	13.46	16.61	14.29	17.36	14.69
Weight (g)	866	526	924	658	1,028	652
Weight (oz)	30.55	18.55	32.59	23.21	36.26	23.00
Sex/Age	F/4	F/3	M/8	M/3	F/8	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.381	.232	.546	.305	.27	.303

	Composite - 6 Fish
Bottle Code: 10/28/2015 YATE-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.18
Mercury ug/g	.301
Mirex ug/g	< .0005
Selenium ug/g	.12 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.88951 / -85.94804**

SUGT-2, Sugar Ck (Martin) - Martin Reservoir, Sugar Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	311	406	327	418	327	559
Length (inches)	12.24	15.98	12.87	16.46	12.87	22.01
Weight (g)	234	614	256	476	282	2,262
Weight (oz)	8.25	21.66	9.03	16.79	9.95	79.79
Sex/Age	F	M/5	M/4	M/4	F/4	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.104	.17	.298	.168	.166	< .028

	Composite - 6 Fish
Bottle Code: 11/4/2015 SUGT-2 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0022 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.295
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.88951 / -85.94804**

SUGT-2, Sugar Ck (Martin) - Martin Reservoir, Sugar Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	340	448	370	410	357	327
Length (inches)	13.39	17.64	14.57	16.14	14.06	12.87
Weight (g)	526	1,176	750	924	516	438
Weight (oz)	18.55	41.48	26.46	32.59	18.20	15.45
Sex/Age	M/2	F/4	F/2	F/4	F/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.416	.542	.307	.715	.44	.241

	Composite - 6 Fish
Bottle Code: 11/4/2015 SUGT-2 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.205
Mercury ug/g	.276
Mirex ug/g	< .0005
Selenium ug/g	.065 JI
Toxaphene ug/g	< .046

Montgomery County **Lat/Lon: 32.43972 / -86.19556**

TARE-1, Tallapoosa R - Tallapoosa River, deepest point, main river channel. Montgomery Water Intake, approximately 3 miles upstream of HWY 231.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	485	472	562	404	414	362
Length (inches)	19.09	18.58	22.13	15.91	16.30	14.25
Weight (g)	1,278	956	1,552	610	528	340
Weight (oz)	45.08	33.72	54.75	21.52	18.62	11.99
Sex/Age	M/9	F/8	M/7	F/7	M/5	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Moderate		Moderate	Slight/Mild	Slight/Mild	Moderate
Mercury ug/g	.167	.151	.293	.128	< .028	.112

	Composite - 6 Fish
Bottle Code: 11/17/2015 TARE-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.002 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.62
Mercury ug/g	.098
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Montgomery County **Lat/Lon: 32.43972 / -86.19556**

TARE-1, Tallapoosa R - Tallapoosa River, deepest point, main river channel. Montgomery Water Intake, approximately 3 miles upstream of HWY 231.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	474	387	431	375	282	306
Length (inches)	18.66	15.24	16.97	14.76	11.10	12.05
Weight (g)	1,274	718	1,170	654	246	318
Weight (oz)	44.94	25.33	41.27	23.07	8.68	11.22
Sex/Age	F/7	F/4	F/5	F/5	F/4	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15	11-17-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.513	.356	.292	.199	.238	.207

	Composite - 6 Fish
Bottle Code: 11/17/2015 TARE-1 SPB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.003 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	.013 JI
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.28
Mercury ug/g	.327
Mirex ug/g	< .0005
Selenium ug/g	.087 JI
Toxaphene ug/g	< .046

Mobile County **Lat/Lon: 30.72639 / -88.05222**

TMCM-9, Threemile Ck - Three Mile Creek downstream of the Southern Railroad trestle to confluence with the Mobile River.

Atlantic Croaker (Micropogon undulatus)

	Fish 1	
Length (mm)	185	
Length (inches)	7.28	
Weight (g)	64	
Weight (oz)	2.26	
Sex/Age	M/1	
Age Method	Otolith	
Collection Date	12-02-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	.884	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	< .1	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.116	JI
Toxaphene ug/g	< .046	

Mobile County **Lat/Lon: 30.72639 / -88.05222**

TMCM-9, Threemile Ck - Three Mile Creek downstream of the Southern Railroad trestle to confluence with the Mobile River.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	335	324	321	294	300	278
Length (inches)	13.19	12.76	12.64	11.57	11.81	10.94
Weight (g)	594	608	492	396	392	286
Weight (oz)	20.95	21.45	17.35	13.97	13.83	10.09
Sex/Age	F/2	M/2	M/2	M/2	F/1	F/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-02-15	12-02-15	12-02-15	12-02-15	12-02-15	12-02-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite			Slight/Mild			
2,4-DDD ug/g	< .0008	< .0008	< .0008	< .0008	< .0008	< .0008
2,4-DDE ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	< .0007
2,4-DDT ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
4,4-DDD ug/g	< .002	< .002	< .002	< .002	< .002	< .002
4,4-DDE ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
4,4-DDT ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Arochlor 1016 ug/g	< .008	< .008	< .008	< .008	< .008	< .008
Arochlor 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1254 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Arochlor 1260 ug/g	< .016	< .016	< .016	< .016	< .016	< .016
Total PCB's ug/g	< .54	< .54	< .54	< .54	< .54	< .54
Arsenic ug/g	< .059	< .059	< .059	< .059	< .059	< .059
Cadmium ug/g	< .0079	< .0079	< .0079	< .0079	< .0079	< .0079
Chlordane ug/g	< .023	< .023	< .023	< .023	< .023	< .023
Dursban(chlorpyrifos) ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Dieldrin ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	.0027 JI
Endosulfan I ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Endosulfan II ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Endrin ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Heptachlor ug/g	< .0016	< .0016	< .0016	< .0016	< .0016	< .0016
Heptachlor-epoxide ug/g	< .0012	< .0012	< .0012	< .0012	< .0012	< .0012
Hexachlorobenzene ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
Lindane (gamma BHC) ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
Lipid %	.245	.32	.47	.125	.185	.165
Mercury ug/g	.156	.148	.15	.114	< .028	.106
Mirex ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Selenium ug/g	.16 JI	.202 JI	.207 JI	.2 JI	.138 JI	.171 JI
Toxaphene ug/g	< .046	< .046	< .046	< .046	< .046	< .046

Mobile County **Lat/Lon: 30.72639 / -88.05222**

TMCM-9, Threemile Ck - Three Mile Creek downstream of the Southern Railroad trestle to confluence with the Mobile River.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2
Length (mm)	384	345
Length (inches)	15.12	13.58
Weight (g)	608	382
Weight (oz)	21.45	13.47
Sex/Age	M/2	M/2
Age Method	Otolith	Otolith
Collection Date	12-02-15	12-02-15
Skin on Fillet	N	N
2,4-DDD ug/g	< .0008	< .0008
2,4-DDE ug/g	< .0007	< .0007
2,4-DDT ug/g	< .0003	< .0003
4,4-DDD ug/g	< .002	< .002
4,4-DDE ug/g	< .0013	< .0013
4,4-DDT ug/g	< .0009	< .0009
Arochlor 1016 ug/g	< .008	< .008
Arochlor 1221 ug/g	< .125	< .125
Arochlor 1232 ug/g	< .125	< .125
Arochlor 1242 ug/g	< .125	< .125
Arochlor 1248 ug/g	< .125	< .125
Arochlor 1254 ug/g	< .016	< .016
Arochlor 1260 ug/g	< .016	< .016
Total PCB's ug/g	< .54	< .54
Arsenic ug/g	< .059	.474 JI
Cadmium ug/g	< .0079	< .0079
Chlordane ug/g	< .023	< .023
Dursban(chlorpyrifos) ug/g	< .0005	< .0005
Dieldrin ug/g	< .0007	< .0007
Endosulfan I ug/g	< .0009	< .0009
Endosulfan II ug/g	< .001	< .001
Endrin ug/g	< .001	< .001
Heptachlor ug/g	< .0016	< .0016
Heptachlor-epoxide ug/g	< .0012	< .0012
Hexachlorobenzene ug/g	< .0003	< .0003
Lindane (gamma BHC) ug/g	< .0013	< .0013
Lipid %	1.6	4.14
Mercury ug/g	< .028	< .028
Mirex ug/g	< .0005	< .0005
Selenium ug/g	.174 JI	.096 JI
Toxaphene ug/g	< .046	< .046

Elmore County **Lat/Lon: 32.53763 / -85.88931**

THUE-1, Thurlow Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	515	407	586	445	468	446
Length (inches)	20.28	16.02	23.07	17.52	18.43	17.56
Weight (g)	1,694	566	2,092	828	1,052	962
Weight (oz)	59.75	19.97	73.79	29.21	37.11	33.93
Sex/Age	M/11	F/5	M/7	F/6	F/6	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .028	.121	< .028	< .028	.127	.135

	Composite - 6 Fish
Bottle Code: 11/4/2016 THUE-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0134
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	4.98
Mercury ug/g	.114
Mirex ug/g	< .0005
Selenium ug/g	.06 JI
Toxaphene ug/g	< .046

Elmore County **Lat/Lon: 32.53763 / -85.88931**

THUE-1, Thurlow Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	390	354	405	369	340	329
Length (inches)	15.35	13.94	15.94	14.53	13.39	12.95
Weight (g)	812	498	874	654	448	436
Weight (oz)	28.64	17.57	30.83	23.07	15.80	15.38
Sex/Age	F/3	F/5	F/6	M/5	M/5	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15	11-04-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.275	.772	.683	.346	.451	.355

	Composite - 6 Fish
Bottle Code: 11/4/2016 THUE-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0042 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.385
Mercury ug/g	.212
Mirex ug/g	< .0005
Selenium ug/g	.097 JI
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.44419 / -86.13508**

GUNM-7B, Town Ck (Guntersville) - Town Creek embayment approximately 4 miles upstream of AL Hwy 227.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	443	427	436	482	565	586
Length (inches)	17.44	16.81	17.17	18.98	22.24	23.07
Weight (g)	772	826	856	1,030	1,758	2,634
Weight (oz)	27.23	29.14	30.19	36.33	62.01	92.91
Sex/Age	M/7	M/6	F/7	M/7	M/6	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild	Slight/Mild	Slight/Mild
Mercury ug/g	.09	< .028	< .028	< .028	< .028	< .028

	Composite - 6 Fish
Bottle Code: 11/10/2015 GUNM-7B CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.011
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.25
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.44419 / -86.13508**

GUNM-7B, Town Ck (Guntersville) - Town Creek embayment approximately 4 miles upstream of AL Hwy 227.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	424	454	365	436	336	424
Length (inches)	16.69	17.87	14.37	17.17	13.23	16.69
Weight (g)	1,182	1,620	840	1,404	514	1,206
Weight (oz)	41.69	57.14	29.63	49.52	18.13	42.54
Sex/Age	F/2	F/5	M/3	F/6	F/2	M/7
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.242	.399	.169	.35	.219	.4

	Composite - 6 Fish
Bottle Code: 11/10/2015 GUNM-7B LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.006 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.235
Mercury ug/g	.192
Mirex ug/g	< .0005
Selenium ug/g	.056 JI
Toxaphene ug/g	< .046

Marion County **Lat/Lon: 34.27331 / -87.69217**

UBAM-1, U Bear Ck Res - Upper Bear Creek Reservoir dam forebay area. Upper Bear Creek mile 115.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	554	590	570	570
Length (inches)	21.81	23.23	22.44	22.44
Weight (g)	1,372	2,874	1,774	1,872
Weight (oz)	48.40	101.38	62.58	66.03
Sex/Age	F/5	F/7	F/7	F/8
Age Method	Spine	Spine	Spine	Spine
Collection Date	10-05-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N
Internal Parasite		Moderate		
Mercury ug/g	.164	.435	.155	.225

	Composite - 4 Fish
Bottle Code: 10/5/2015 UBAM-1 CHC 01-04	
2,4-DDD ug/g	.0059 JI
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.305
Mercury ug/g	.159
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Marion County **Lat/Lon: 34.27331 / -87.69217**

UBAM-1, U Bear Ck Res - Upper Bear Creek Reservoir dam forebay area. Upper Bear Creek mile 115.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	426	366	332	398	323	335
Length (inches)	16.77	14.41	13.07	15.67	12.72	13.19
Weight (g)	1,046	738	472	848	412	484
Weight (oz)	36.90	26.03	16.65	29.91	14.53	17.07
Sex/Age	F/3	F/4	F/2	F/3	F/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15	10-05-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.395	.397	.176	.211	.307	.237

	Composite - 6 Fish
Bottle Code: 10/5/2015 UBAM-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.008 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.325
Mercury ug/g	.284
Mirex ug/g	< .0005
Selenium ug/g	.062 JI
Toxaphene ug/g	< .046

Jefferson County **Lat/Lon: 33.54797 / -86.92567**

VI-3, Village Ck - Village Creek at Jefferson Co Rd 65.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	446	403	420	470	491	315
Length (inches)	17.56	15.87	16.54	18.50	19.33	12.40
Weight (g)	1,388	1,208	1,358	1,574	982	562
Weight (oz)	48.96	42.61	47.90	55.52	34.64	19.82
Sex/Age	F/4	M/4	F/7	F/7	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15	12-08-15
Skin on Fillet	N	N	N	N	N	N
2,4-DDD ug/g	< .0008	< .0008	< .0008	< .0008	< .0008	< .0008
2,4-DDE ug/g	< .0007	< .0007	< .0007	< .0007	< .0007	< .0007
2,4-DDT ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
4,4-DDD ug/g	< .002	< .002	< .002	< .002	< .002	< .002
4,4-DDE ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
4,4-DDT ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Arochlor 1016 ug/g	< .008	< .008	< .008	< .008	< .008	< .008
Arochlor 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
Arochlor 1254 ug/g	< .016	< .016	.216	.173	.613	.103
Arochlor 1260 ug/g	< .016	< .016	.271	.288	.533	.09
Total PCB's ug/g	< .54	< .54	.487	.461	1.146	.193
Arsenic ug/g	< .059	< .059	< .059	< .059	< .059	< .059
Cadmium ug/g	< .0079	< .0079	< .0079	< .0079	< .0079	< .0079
Chlordane ug/g	< .023	< .023	< .023	< .023	< .023	< .023
Dursban(chlorpyrifos) ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Dieldrin ug/g	< .0007	< .0007	.0325	< .0007	.0922	< .0007
Endosulfan I ug/g	< .0009	< .0009	< .0009	< .0009	< .0009	< .0009
Endosulfan II ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Endrin ug/g	< .001	< .001	< .001	< .001	< .001	< .001
Heptachlor ug/g	< .0016	< .0016	< .0016	< .0016	< .0016	< .0016
Heptachlor-epoxide ug/g	< .0012	< .0012	< .0012	< .0012	< .0012	< .0012
Hexachlorobenzene ug/g	< .0003	< .0003	< .0003	< .0003	< .0003	< .0003
Lindane (gamma BHC) ug/g	< .0013	< .0013	< .0013	< .0013	< .0013	< .0013
Lipid %	.81	2.54	1.12	4.24	3.105	.33
Mercury ug/g	.141	< .028	< .028	.135	< .028	< .028
Mirex ug/g	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Selenium ug/g	.245 JI	.153 JI	.168 JI	.178 JI	.124 JI	.153 JI
Toxaphene ug/g	< .046	< .046	< .046	< .046	< .046	< .046

Jefferson County **Lat/Lon: 33.56833 / -86.72528**

VLGJ-6, Village Ck - Village Creek at East Lake Park in Birmingham, AL.

Alabama Hog Sucker (Hypentelium etowanum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	172	176	208	205	198	226
Length (inches)	6.77	6.93	8.19	8.07	7.80	8.90
Weight (g)	58	64	100	98	98	138
Weight (oz)	2.05	2.26	3.53	3.46	3.46	4.87
Sex/Age	M	F	F	F	F	M
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 12/15/2015 VLGJ-6 AHS 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.072 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.115
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.212 JI
Toxaphene ug/g	< .046

Jefferson County **Lat/Lon: 33.56833 / -86.72528**

VLGJ-6, Village Ck - Village Creek at East Lake Park in Birmingham, AL.

Bluegill (Lepomis macrochirus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	166	165	175	178	187	195
Length (inches)	6.54	6.50	6.89	7.01	7.36	7.68
Weight (g)	88	98	104	118	146	138
Weight (oz)	3.10	3.46	3.67	4.16	5.15	4.87
Sex/Age	M	M/3	F/3	F/3	M/4	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 12/15/2015 VLGJ-6 BLG 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	.0036 JI
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.295
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.227 JI
Toxaphene ug/g	< .046

Largemouth Bass (Micropterus salmoides)

	Fish 1	
Length (mm)	320	
Length (inches)	12.60	
Weight (g)	492	
Weight (oz)	17.35	
Sex/Age	F/3	
Age Method	Otolith	
Collection Date	12-15-15	
Skin on Fillet	N	
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	.0104	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	.785	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.198	JI
Toxaphene ug/g	< .046	

Alabama Hog Sucker (Hypentelium etowanum)

	Fish 1	Fish 2	Fish 3
Length (mm)	188	220	280
Length (inches)	7.40	8.66	11.02
Weight (g)	78	138	248
Weight (oz)	2.75	4.87	8.75
Sex/Age	F	F	F
Age Method	Otolith	Otolith	Otolith
Collection Date	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 12/15/2015 VLGJ-7 AHS 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.26
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.515
Toxaphene ug/g	< .046

Jefferson County **Lat/Lon: 33.54250 / -86.81750**

VLGJ-7, Village Ck - Village Creek at 24th Street, Birmingham, AL.

Bluegill (Lepomis macrochirus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	137	145	136	149	171	173
Length (inches)	5.39	5.71	5.35	5.87	6.73	6.81
Weight (g)	52	50	56	62	98	116
Weight (oz)	1.83	1.76	1.98	2.19	3.46	4.09
Sex/Age	M	M/2	M/1	M/1	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 12/15/2015 VLGJ-7 BLG 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.21
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.307 JI
Toxaphene ug/g	< .046

Jefferson County **Lat/Lon: 33.54250 / -86.81750**

VLGJ-7, Village Ck - Village Creek at 24th Street, Birmingham, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	220	222	197
Length (inches)	8.66	8.74	7.76
Weight (g)	140	138	100
Weight (oz)	4.94	4.87	3.53
Sex/Age	F/1	F/1	M/1
Age Method	Otolith	Otolith	Otolith
Collection Date	12-15-15	12-15-15	12-15-15
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 12/15/2015 VLGJ-7 LMB 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.19
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.257 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.81186 / -87.34644**

TENR-277, Wheeler Res - Upstream of the dam at Tennessee River mile 277.0, near the confluence of First Creek with the main channel.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	535	393	519	401	393	418
Length (inches)	21.06	15.47	20.43	15.79	15.47	16.46
Weight (g)	1,378	502	1,424	452	554	592
Weight (oz)	48.61	17.71	50.23	15.94	19.54	20.88
Sex/Age	M	M	M	M	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-21-15	10-21-15	10-21-15	10-21-15	10-21-15	10-21-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/21/2015 TENR-277 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0567
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.6
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.043 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.81186 / -87.34644**

TENR-277, Wheeler Res - Upstream of the dam at Tennessee River mile 277.0, near the confluence of First Creek with the main channel.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	397	343	475	357	442	439
Length (inches)	15.63	13.50	18.70	14.06	17.40	17.28
Weight (g)	910	634	1,414	676	1,256	1,486
Weight (oz)	32.10	22.36	49.88	23.85	44.30	52.42
Sex/Age	M	F	F	F	F	F
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-21-15	10-21-15	10-21-15	10-21-15	10-21-15	10-21-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/21/2015 TENR-277 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0137
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.5
Mercury ug/g	.119
Mirex ug/g	< .0005
Selenium ug/g	.071 JI
Toxaphene ug/g	< .046

Limestone County **Lat/Lon: 34.68500 / -87.09861**

TENR-296, Wheeler Res - Mid station, main river channel, Tennessee River mile 296.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	428	493	432	573	524	447
Length (inches)	16.85	19.41	17.01	22.56	20.63	17.60
Weight (g)	690	1,250	764	1,996	1,456	736
Weight (oz)	24.34	44.09	26.95	70.41	51.36	25.96
Sex/Age	M	F	F	M	F	F
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/22/2015 TENR-296 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0756
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	3.555
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.069 JI
Toxaphene ug/g	< .046

Limestone County **Lat/Lon: 34.68500 / -87.09861**

TENR-296, Wheeler Res - Mid station, main river channel, Tennessee River mile 296.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	352	360	432	333	336	352
Length (inches)	13.86	14.17	17.01	13.11	13.23	13.86
Weight (g)	738	818	1,234	628	622	498
Weight (oz)	26.03	28.85	43.53	22.15	21.94	17.57
Sex/Age	F	M	F	M	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15	10-22-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/22/2015 TENR-296 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0044 JI
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.24
Mercury ug/g	.174
Mirex ug/g	< .0005
Selenium ug/g	.092
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.43989 / -86.42136**

TENR-347, Wheeler Res - Wheeler Reservoir, Tennessee River mile 347, 2.0 miles downstream of Guntersville dam.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	524	494	555	545	462	429
Length (inches)	20.63	19.45	21.85	21.46	18.19	16.89
Weight (g)	1,350	1,054	1,394	1,524	776	566
Weight (oz)	47.62	37.18	49.17	53.76	27.37	19.97
Sex/Age	M	F	F	M	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/20/2015 TENR-347 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0105
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.72
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Marshall County **Lat/Lon: 34.43989 / -86.42136**

TENR-347, Wheeler Res - Wheeler Reservoir, Tennessee River mile 347, 2.0 miles downstream of Guntersville dam.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	432	317	322	438	386	330
Length (inches)	17.01	12.48	12.68	17.24	15.20	12.99
Weight (g)	1,132	478	652	1,892	1,066	602
Weight (oz)	39.93	16.86	23.00	66.74	37.60	21.23
Sex/Age	F	M	M	F	F	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15	10-20-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/20/2015 TENR-347 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	.0764
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.67
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.084
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.89931 / -85.74520**

WDWJ-4, Widows Ck - Stretch of Widows Creek from 1.5 miles upstream of Tennessee River confluence to first bridge crossing (Million Dollar Bridge).

Brown Bullhead (Ameiurus nebulosus)

	Fish 1	Fish 2
Length (mm)	371	269
Length (inches)	14.61	10.59
Weight (g)	750	232
Weight (oz)	26.46	8.18
Sex/Age	M/6	M/3
Age Method	Spine	Spine
Collection Date	11-03-15	11-03-15
Skin on Fillet	N	N
Internal Parasite		Slight/Mild
Mercury ug/g	< .028	< .028

	Composite - 2 Fish
Bottle Code: 11/3/2015 WDWJ-4 BCT 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	.074 JI
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.405
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.89931 / -85.74520**

WDWJ-4, Widows Ck - Stretch of Widows Creek from 1.5 miles upstream of Tennessee River confluence to first bridge crossing (Million Dollar Bridge).

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	449	395	366	396	386	298
Length (inches)	17.68	15.55	14.41	15.59	15.20	11.73
Weight (g)	1,376	938	848	739	882	374
Weight (oz)	48.54	33.09	29.91	26.07	31.11	13.19
Sex/Age	M/9	F/6	F/3	M/7	M/6	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15	11-03-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite					Moderate	
Mercury ug/g	1.009	.236	.253	.826	.535	.234

	Composite - 6 Fish
Bottle Code: 11/3/2015 WDWJ-4 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.28
Mercury ug/g	.331
Mirex ug/g	< .0005
Selenium ug/g	.092 JI
Toxaphene ug/g	< .046

Jackson County **Lat/Lon: 34.89931 / -85.74520**

WDWJ-4, Widows Ck - Stretch of Widows Creek from 1.5 miles upstream of Tennessee River confluence to first bridge crossing (Million Dollar Bridge).

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2
Length (mm)	384	285
Length (inches)	15.12	11.22
Weight (g)	726	280
Weight (oz)	25.61	9.88
Sex/Age	M	M
Age Method	Otolith	Otolith
Collection Date	11-03-15	11-03-15
Skin on Fillet	N	N
Mercury ug/g	< .028	< .028

	Composite - 2 Fish	
Bottle Code: 11/3/2015 WDWJ-4 SPS 01-02		
2,4-DDD ug/g	< .0008	
2,4-DDE ug/g	< .0007	
2,4-DDT ug/g	< .0003	
4,4-DDD ug/g	< .002	
4,4-DDE ug/g	< .0013	
4,4-DDT ug/g	< .0009	
Arochlor 1016 ug/g	< .008	
Arochlor 1221 ug/g	< .125	
Arochlor 1232 ug/g	< .125	
Arochlor 1242 ug/g	< .125	
Arochlor 1248 ug/g	< .125	
Arochlor 1254 ug/g	< .016	
Arochlor 1260 ug/g	< .016	
Total PCB's ug/g	< .54	
Arsenic ug/g	< .059	
Cadmium ug/g	< .0079	
Chlordane ug/g	< .023	
Dursban(chlorpyrifos) ug/g	< .0005	
Dieldrin ug/g	< .0007	
Endosulfan I ug/g	< .0009	
Endosulfan II ug/g	< .001	
Endrin ug/g	< .001	
Heptachlor ug/g	< .0016	
Heptachlor-epoxide ug/g	< .0012	
Hexachlorobenzene ug/g	< .0003	
Lindane (gamma BHC) ug/g	< .0013	
Lipid %	.34	
Mercury ug/g	< .028	
Mirex ug/g	< .0005	
Selenium ug/g	.086	JI
Toxaphene ug/g	< .046	

Jackson County **Lat/Lon: 34.89931 / -85.74520**

WDWJ-4, Widows Ck - Stretch of Widows Creek from 1.5 miles upstream of Tennessee River confluence to first bridge crossing (Million Dollar Bridge).

Yellow Bullhead (Ameiurus natalis)

	Fish 1	Fish 2
Length (mm)	305	290
Length (inches)	12.01	11.42
Weight (g)	390	366
Weight (oz)	13.76	12.91
Sex/Age	M/5	M/5
Age Method	Spine	Spine
Collection Date	11-03-15	11-03-15
Skin on Fillet	N	N
Internal Parasite	Severe/Heavy	Severe/Heavy
Mercury ug/g	.398	.214

	Composite - 2 Fish
Bottle Code: 11/3/2015 WDWJ-4 YBU 01-02	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.21
Mercury ug/g	.219
Mirex ug/g	< .0005
Selenium ug/g	.062 JI
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.80447 / -87.62422**

TENR-260, Wilson Res - Dam forebay at Tennesse River mile 259.5.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	448	357	345	352	395	412
Length (inches)	17.64	14.06	13.58	13.86	15.55	16.22
Weight (g)	858	382	336	328	524	558
Weight (oz)	30.27	13.47	11.85	11.57	18.48	19.68
Sex/Age	M/7	F/5	F/5	M/4	F/7	F/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/6/2015 TENR-260 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	1.02
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	< .0424
Toxaphene ug/g	< .046

Lauderdale County **Lat/Lon: 34.80447 / -87.62422**

TENR-260, Wilson Res - Dam forebay at Tennesse River mile 259.5.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	391	360	412	413	370	350
Length (inches)	15.39	14.17	16.22	16.26	14.57	13.78
Weight (g)	1,132	740	1,162	898	758	564
Weight (oz)	39.93	26.10	40.99	31.68	26.74	19.89
Sex/Age	F/3	M/3	F/3	F/3	F/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15	10-06-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/6/2015 TENR-260 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.39
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.101 JI
Toxaphene ug/g	< .046

Autauga County **Lat/Lon: 32.32731 / -86.78196**

WDFA-1, Woodruff Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	405	405	325
Length (inches)	15.94	15.94	12.80
Weight (g)	598	544	232
Weight (oz)	21.09	19.19	8.18
Sex/Age	M/6	M/6	M/4
Age Method	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 11/10/2015 WDFA-1 BLC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0024 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.47
Mercury ug/g	< .028
Mirex ug/g	< .0005
Selenium ug/g	.042 JI
Toxaphene ug/g	< .046

Autauga County **Lat/Lon: 32.32731 / -86.78196**

WDFA-1, Woodruff Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	420	395	485
Length (inches)	16.54	15.55	19.09
Weight (g)	560	520	1,286
Weight (oz)	19.75	18.34	45.36
Sex/Age	F/5	M/8	M/8
Age Method	Spine	Spine	Spine
Collection Date	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 11/10/2015 WDFA-1 CHC 01-03	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	.0043 JI
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.55
Mercury ug/g	.134
Mirex ug/g	< .0005
Selenium ug/g	.074 JI
Toxaphene ug/g	< .046

Autauga County **Lat/Lon: 32.32731 / -86.78196**

WDFA-1, Woodruff Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	350	290	360	335	370	335
Length (inches)	13.78	11.42	14.17	13.19	14.57	13.19
Weight (g)	528	364	768	584	696	492
Weight (oz)	18.62	12.84	27.09	20.60	24.55	17.35
Sex/Age	F/2	F/1	M/4	M/3	M/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15	11-10-15
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild		Moderate

	Composite - 6 Fish
Bottle Code: 11/10/2015 WDFA-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.64
Mercury ug/g	.092
Mirex ug/g	< .0005
Selenium ug/g	.134 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.57668 / -85.88968**

YATE-1, Yates Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	522	491	479	472	452	431
Length (inches)	20.55	19.33	18.86	18.58	17.80	16.97
Weight (g)	1,498	1,122	948	1,070	1,040	820
Weight (oz)	52.84	39.58	33.44	37.74	36.68	28.92
Sex/Age	M/6	F/8	M/7	F/6	M/6	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 10/28/2015 YATE-1 CHC 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	2.78
Mercury ug/g	.089
Mirex ug/g	< .0005
Selenium ug/g	.055 JI
Toxaphene ug/g	< .046

Tallapoosa County **Lat/Lon: 32.57668 / -85.88968**

YATE-1, Yates Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	366	365	337	359	352	384
Length (inches)	14.41	14.37	13.27	14.13	13.86	15.12
Weight (g)	574	536	490	638	428	792
Weight (oz)	20.25	18.91	17.28	22.50	15.10	27.94
Sex/Age	F/5	F/3	F/3	M/4	M/6	M/5
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15	10-28-15
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.491	.324	.281	.315	1.22	.5

	Composite - 6 Fish
Bottle Code: 10/28/2015 YATE-1 LMB 01-06	
2,4-DDD ug/g	< .0008
2,4-DDE ug/g	< .0007
2,4-DDT ug/g	< .0003
4,4-DDD ug/g	< .002
4,4-DDE ug/g	< .0013
4,4-DDT ug/g	< .0009
Arochlor 1016 ug/g	< .008
Arochlor 1221 ug/g	< .125
Arochlor 1232 ug/g	< .125
Arochlor 1242 ug/g	< .125
Arochlor 1248 ug/g	< .125
Arochlor 1254 ug/g	< .016
Arochlor 1260 ug/g	< .016
Total PCB's ug/g	< .54
Arsenic ug/g	< .059
Cadmium ug/g	< .0079
Chlordane ug/g	< .023
Dursban(chlorpyrifos) ug/g	< .0005
Dieldrin ug/g	< .0007
Endosulfan I ug/g	< .0009
Endosulfan II ug/g	< .001
Endrin ug/g	< .001
Heptachlor ug/g	< .0016
Heptachlor-epoxide ug/g	< .0012
Hexachlorobenzene ug/g	< .0003
Lindane (gamma BHC) ug/g	< .0013
Lipid %	.12
Mercury ug/g	.451
Mirex ug/g	< .0005
Selenium ug/g	.109 JI
Toxaphene ug/g	< .046

*ADEM Qualifiers **

JI - Estimated/Between MDL & PQL

**** See SOP #4910 for more details.***