ADEM Fish Tissue Monitoring Program 2014 Annual Report

Chattahoochee, Choctawhatchee, Pea, and

Perdido-Escambia River Basins

September 1, 2015

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 366 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.

The extent to which the above goals are accomplished each year is dependent upon available resources. The ADEM also continues to monitor other areas of concern as they arise and as resources allow.

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.

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.

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.

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		0.179 ug/g		
Cadmium	EPA200.9		0.005 ug/g		
Mercury, Total	EPA245.6	0.01 ug/g		1.0 ug/g	0.33 ug/g
Selenium, Total	EPA200.9		0.25 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 5.0 ug/g	
2,4-DDD	SW8081A	0.01 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	0.05 ug/g			
Arochlor 1221	SW8082	0.05 ug/g			
Arochlor 1232	SW8082	0.05 ug/g			
Arochlor 1242	SW8082	0.05 ug/g			
Arochlor 1248	SW8082	0.05 ug/g			
Arochlor 1254	SW8082	0.05 ug/g			
Arochlor 1260	SW8082	0.05 ug/g			
Total PCBs	SW8082	0.05 ug/g		2.0 ug/g	
Toxaphene	SW8081A	0.05 ug/g		5.0 ug/g	
Percent lipids	SW3640A	0.10%			

RESULTS

From September through December 2014, 572 fish (15 different species) from 49 locations (Figure 1 and Table 2) were collected, processed, and analyzed for the FTMP. Thirty-eight different waterbodies were sampled. Twenty-six locations with current consumption advisories for mercury, seven locations with current advisories for PCB's, and one location with a current ADPH consumption advisory for both mercury and PCB's were sampled. Analytical results for the 2014 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 2014 FTMP sample locations.

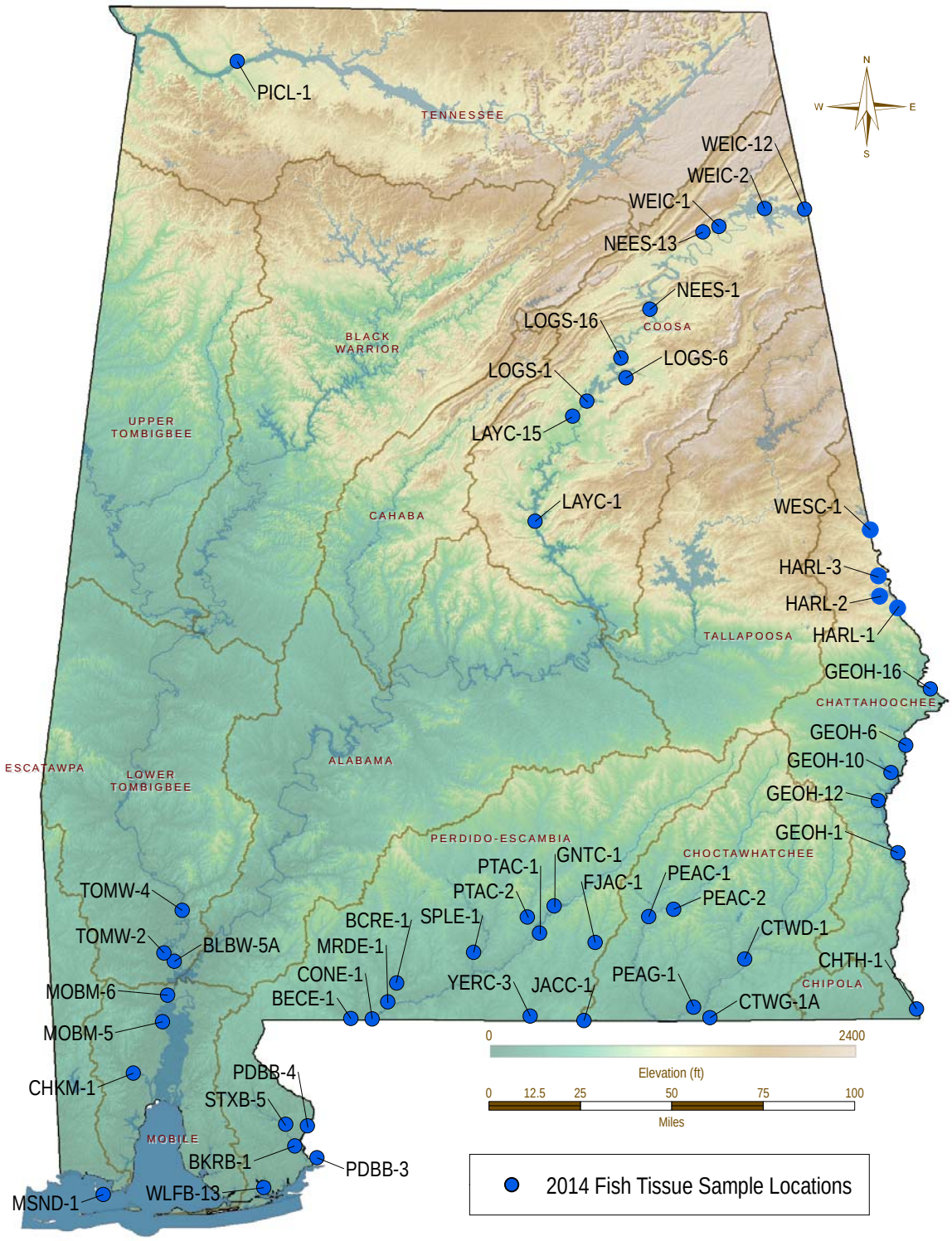

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Chattahoochee R	Barbour Ck	GEOH-12	Barbour	Channel catfish Largemouth bass	Barbour Creek embayment of Walter F. George Reservoir approximately 0.2 mile downstream of US Hwy 431, deepest point, main channel.
Chattahoochee R	Chattahoochee R	CHTH-1	Houston	Channel catfish Largemouth bass Blue catfish	Deepest point, main river channel, near Alabama/Florida state line.
Chattahoochee R	Cowikee Ck	GEOH-10	Barbour	Channel catfish Largemouth bass	Deepest point, main channel, Cowikee Creek Embayment.
Chattahoochee R	Halawakee Ck	HARL-2	Lee	Channel catfish Largemouth bass	Deepest point, main creek channel, Halawakee Creek embayment.
Chattahoochee R	Harding Res	HARL-1	Lee	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Chattahoochee R	Osanippa Ck	HARL-3	Lee	Channel catfish Largemouth bass	Deepest point, main channel, Osanippa Creek embayment.
Chattahoochee R	Uchee Ck	GEOH-16	Russell	Channel catfish Largemouth bass	Deepest point, main creek channel, Uchee Creek embayment.
Chattahoochee R	West Point Res	WESC-1	Chambers	Channel catfish Spotted bass Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay .

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Chattahoochee R	WF George Res	GEOH-1	Henry	Channel catfish Largemouth bass	Deepest point, main river channel, dam forebay. Chattahoochee River mile 75.4.
Chattahoochee R	WF George Res	GEOH-6	Russell	Channel catfish Largemouth bass	Upper reservoir. Deepest point, main river channel, immediately downstream of Florence Marina State Park.
Choctawhatchee R	Choctawhatchee R	CTWD-1	Dale	Channel catfish Redear sunfish Largemouth bass	Deepest point, main river channel, approximately 0.5 miles downstream of Little Choctawhatchee confluence, near State Hwy 92.
Choctawhatchee R	Choctawhatchee R	CTWG-1A	Geneva	Spotted bass Channel catfish Largemouth bass Redear sunfish	Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.
Choctawhatchee R	Pea R	PEAC-1	Coffee	Channel catfish Largemouth bass	Deepest point, main river channel, approximately 0.5 miles downstream of Beaverdam Creek/Pea River confluence, south of Elba, AL.
Choctawhatchee R	Pea R	PEAC-2	Coffee	Brown bullhead Largemouth bass Spotted bass Yellow bullhead	Pea River at County Road 248.
Choctawhatchee R	Pea R	PEAG-1	Geneva	Spotted bass Channel catfish Largemouth bass	Deepest point, main river channel, approximately 0.5 miles upstream of the confluence with Choctawhatchee River.

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Coosa R	Choccolocco Ck	LOGS-6	Talladega	Blue catfish Channel catfish Largemouth bass Striped bass	Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.
Coosa R	Lay Res	LAYC-1	Chilton	Blue catfish Channel catfish Largemouth bass Striped bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Coosa R	Lay Res	LAYC-15	St Clair	Channel catfish Spotted bass Striped bass	Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.
Coosa R	Logan Martin Res	LOGS-1	St Clair	Channel catfish Spotted bass Striped bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Coosa R	Logan Martin Res	LOGS-16	St Clair	Blue catfish Spotted bass Striped bass Channel catfish	Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.
Coosa R	Neely Henry Res	NEES-1	Calhoun	Channel catfish Spotted bass Striped bass	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Coosa R	Neely Henry Res	NEES-13	Etowah	Blue catfish Spotted bass Channel catfish Largemouth bass Striped bass	Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.
Coosa R	Weiss Res	WEIC-1	Cherokee	Spotted bass Blue catfish Largemouth bass Striped bass	Lower reservoir. Deepest point, main river channel, power dam forebay.
Coosa R	Weiss Res	WEIC-12	Cherokee	Blue catfish Largemouth bass Striped bass Channel catfish	Deepest point, main river channel, Alabama/Georgia state line.
Coosa R	Weiss Res	WEIC-2	Cherokee	Channel catfish Largemouth bass Striped bass	Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.
Escatawpa R	Mississippi Sound	MSND-1	Mobile	Striped mullet Red drum	One mile south of the most western tip of Marsh Island.
Lower Tombigbee R	Bilbo Ck	BLBW-5A	Washington	Largemouth bass	Bilbo Creek upstream of the confluence with the Tombigbee R.
Lower Tombigbee R	Tombigbee R	TOMW-2	Washington	Largemouth bass	Vicinity of McIntosh landing, river mile 60.

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Lower Tombigbee R	Tombigbee R	TOMW-4	Clarke	Largemouth bass	Approximately 9.3 miles downstream of US Hwy 43/Alabama Hwy 13 bridge. River miles 85.6-83.6. Lat/Lon calculated at furthest downstream point (river mile 83.6).
Mobile R	Chickasaw Ck	CHKM-1	Mobile	Largemouth bass	Chickasaw Creek, Mobile Co. between I65 bridge and Hwy 213 bridge. Lat/Lon calculated at Chickasawbogue Park.
Mobile R	Mobile R	MOBM-5	Mobile	Largemouth bass	Mobile River at Cold Creek, river mile 27.0.
Mobile R	Mobile R	MOBM-6	Mobile	Largemouth bass	Mobile River at David Lake, river mile 41.3.
Perdido-Escambia R	Big Escambia Ck	BECE-1	Escambia	Channel catfish Largemouth bass Spotted bass	Big Escambia Creek at Louisville & Nashville Railroad bridge crossing. Approximately 0.5 mile upstream of AL/FL state line.
Perdido-Escambia R	Blackwater R	BKRB-1	Baldwin	Striped mullet Largemouth bass	Area between mouth of river and powerline crossing southeast of Robertsdale, AL.
Perdido-Escambia R	Burnt Corn Ck	BCRE-1	Escambia	Spotted bass Largemouth bass Blacktail redhorse	Burnt Corn Creek in the vicinity of US Hwy 31.
Perdido-Escambia R	Conecuh R	CONE-1	Escambia	Channel catfish Largemouth bass	Deepest point, main river channel, at Alabama/Florida state line.

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Perdido-Escambia R	Frank Jackson Res	FJAC-1	Covington	Lake chubsucker Spotted sucker Largemouth bass	Deepest point, main creek channel, dam forebay.
Perdido-Escambia R	Gantt Res	GNTC-1	Covington	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Perdido-Escambia R	L Jackson	JACC-1	Covington	Largemouth bass	Approximate center of lake.
Perdido-Escambia R	Murder Ck	MRDE-1	Escambia	Channel catfish Spotted bass	Between confluence with Burnt Corn Creek and Conecuh River.
Perdido-Escambia R	Patsaliga Ck	PTAC-2	Covington	Channel catfish Largemouth bass	Deepest point, main channel, Patsaliga Creek embayment.
Perdido-Escambia R	Perdido Bay	PDBB-3	Baldwin	Speckled trout Red drum Striped mullet	Perdido Bay at mid-channel south of Chambers Point. Fish tissue location near Grassy Point and Chambers Point.
Perdido-Escambia R	Perdido R	PDBB-4	Baldwin	Channel catfish Blacktail redhorse Largemouth bass	Perdido River at US Hwy 90.
Perdido-Escambia R	Point A Res	PTAC-1	Covington	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2014 FTMP sample location information; basin, locale, station ID, species collected, and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Perdido-Escambia R	Sepulga R	SPLE-1	Escambia	Spotted bass Channel catfish Blacktail redhorse Largemouth bass	Sepulga River in vicinity of Brooklyn, AL.
Perdido-Escambia R	Styx R	STXB-5	Baldwin	Blacktail redhorse Channel catfish Largemouth bass	Styx River near its confluence with Perdido River in the vicinity of US Hwy 90 bridge crossing.
Perdido-Escambia R	Wolf Bay	WLFB-13	Baldwin	Red drum Southern flounder Striped mullet	North of Mulberry Point.
Perdido-Escambia R	Yellow R	YERC-3	Covington	Spotted sucker Blacktail redhorse Largemouth bass Spotted bass	Deepest point, main river channel, at Covington Co Rd 4 bridge.
Tennessee R	Cypress Ck	PICL-1	Lauderdale	Largemouth bass	Deepest point, main creek channel, Cypress Creek embayment, approximately 0.5 mile upstream of AL Hwy 20.

CY2014 FISH TISSUE MONITORING

September 01, 2015

Barbour County **Lat/Lon: 31.86283 / -85.16054**

GEOH-12, Barbour Ck (WF George) - Barbour Creek embayment of Walter F. George Reservoir approximately 0.2 mile downstream of US Hwy 431, deepest point, main channel.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	449	415	480	462	441	402
Length (inches)	17.68	16.34	18.90	18.19	17.36	15.83
Weight (g)	884	552	994	878	734	524
Weight (oz)	31.18	19.47	35.06	30.97	25.89	18.48
Sex/Age	F/6	F/6	F/6	F/5	F/6	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-12 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	.029
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.575
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Barbour County **Lat/Lon: 31.86283 / -85.16054**

GEOH-12, Barbour Ck (WF George) - Barbour Creek embayment of Walter F. George Reservoir approximately 0.2 mile downstream of US Hwy 431, deepest point, main channel.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	408	367	437	438	400	348
Length (inches)	16.06	14.45	17.20	17.24	15.75	13.70
Weight (g)	914	702	962	1,058	860	546
Weight (oz)	32.24	24.76	33.93	37.32	30.34	19.26
Sex/Age	F/4	F/3	F/5	F/4	F/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.445	.411	.596	.726	.587	.467

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-12 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.47
Mercury ug/g	.538
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.00044 / -87.24800**

BECE-1, Big Escambia Ck - Big Escambia Creek at Louisville & Nashville Railroad bridge crossing. Approximately 0.5 mile upstream of AL/FL state line.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	386	352	375	391	447	494
Length (inches)	15.20	13.86	14.76	15.39	17.60	19.45
Weight (g)	442	380	414	576	636	1,064
Weight (oz)	15.59	13.40	14.60	20.32	22.43	37.53
Sex/Age	F/5	M	M/5	F/5	F/7	F/8
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-22-14	10-22-14	10-22-14	10-22-14	10-22-14	10-22-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	.295	.105	1.34	.153	.331

	Composite - 6 Fish
Bottle Code: 10/22/2014 BECE-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.00044 / -87.24800**

BECE-1, Big Escambia Ck - Big Escambia Creek at Louisville & Nashville Railroad bridge crossing. Approximately 0.5 mile upstream of AL/FL state line.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	471	406	342	365
Length (inches)	18.54	15.98	13.46	14.37
Weight (g)	1,512	982	616	718
Weight (oz)	53.33	34.64	21.73	25.33
Sex/Age	M/11	M/8	F/4	F/5
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	10-22-14	10-22-14	10-22-14	10-22-14
Skin on Fillet	N	N	N	N
Mercury ug/g	1.76	1.62	.439	1.19

	Composite - 4 Fish
Bottle Code: 10/22/2014 BECE-1 LMB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.76
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.00044 / -87.24800**

BECE-1, Big Escambia Ck - Big Escambia Creek at Louisville & Nashville Railroad bridge crossing. Approximately 0.5 mile upstream of AL/FL state line.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	400	322
Length (inches)	15.75	12.68
Weight (g)	830	412
Weight (oz)	29.28	14.53
Sex/Age	F/5	M/3
Age Method	Otolith	Otolith
Collection Date	10-22-14	10-22-14
Skin on Fillet	N	N
Mercury ug/g	1.13	2.02

	Composite - 2 Fish
Bottle Code: 10/22/2014 BECE-1 SPB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.305
Mirex ug/g	< .01
Selenium ug/g	1.03
Toxaphene ug/g	< .05

Washington County **Lat/Lon: 31.22722 / -87.94611**

BLBW-5A, Bilbo Ck - Bilbo Creek upstream of the confluence with the Tombigbee R.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	383	435	445	378	405
Length (inches)	16.14	15.08	17.13	17.52	14.88	15.94
Weight (g)	1,042	820	1,222	1,302	752	958
Weight (oz)	36.76	28.92	43.10	45.93	26.53	33.79
Sex/Age	F/4	F/3	F/5	F/6	F/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14
Skin on Fillet	N	N	N	N	N	N
Lesions				Slight/Mild		
Mercury ug/g	.57	.443	.519	.86	.369	.533

Baldwin County **Lat/Lon: 30.49081 / -87.44681**

BKRB-1, Blackwater R - Area between mouth of river and powerline crossing southeast of Robertsdale, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	436	280	285	345	296	318
Length (inches)	17.17	11.02	11.22	13.58	11.65	12.52
Weight (g)	1,184	290	318	640	348	444
Weight (oz)	41.76	10.23	11.22	22.58	12.28	15.66
Sex/Age	M/5	F/3	M/3	F/5	F/4	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.95	.686	.932	1.072	.825	1.039

	Composite - 6 Fish
Bottle Code: 11/18/2014 BKRB-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	.27 JI
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.49081 / -87.44681**

BKRB-1, Blackwater R - Area between mouth of river and powerline crossing southeast of Robertsdale, AL.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	277	294	322	362	347	380
Length (inches)	10.91	11.57	12.68	14.25	13.66	14.96
Weight (g)	204	246	418	492	484	466
Weight (oz)	7.20	8.68	14.74	17.35	17.07	16.44
Sex/Age	M/1	M/1	M/3	M/4	M/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	< .022	< .022	< .022	< .022	< .022

	Composite - 6 Fish
Bottle Code: 11/18/2014 BKRB-1 STM 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.28 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.565
Mirex ug/g	< .01
Selenium ug/g	.27 JI
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.10090 / -87.07630**

BCRE-1, Burnt Corn Ck - Burnt Corn Creek in the vicinity of US Hwy 31.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	275	215	199	187	182	176
Length (inches)	10.83	8.46	7.83	7.36	7.17	6.93
Weight (g)	198	106	82	66	66	58
Weight (oz)	6.98	3.74	2.89	2.33	2.33	2.05
Sex/Age	M	M	Ukn	F	Ukn	Ukn
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.272	.102	< .022	< .022	< .022	< .022

	Composite - 6 Fish
Bottle Code: 10/21/2014 BCRE-1 BKR 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.215
Mirex ug/g	< .01
Selenium ug/g	.34 JI
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.10090 / -87.07630**

BCRE-1, Burnt Corn Ck - Burnt Corn Creek in the vicinity of US Hwy 31.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	246	300
Length (inches)	9.69	11.81
Weight (g)	182	388
Weight (oz)	6.42	13.69
Sex/Age	M/1	F/3
Age Method	Otolith	Otolith
Collection Date	10-21-14	10-21-14
Skin on Fillet	N	N
Mercury ug/g	< .022	1.07

	Composite - 2 Fish
Bottle Code: 10/21/2014 BCRE-1 LMB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.16
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.10090 / -87.07630**

BCRE-1, Burnt Corn Ck - Burnt Corn Creek in the vicinity of US Hwy 31.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	214	279	295	300
Length (inches)	8.43	10.98	11.61	11.81
Weight (g)	108	276	332	338
Weight (oz)	3.81	9.74	11.71	11.92
Sex/Age	F/2	M/2	M/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	10-21-14	10-21-14	10-21-14	10-21-14
Skin on Fillet	N	N	N	N
Mercury ug/g	< .022	.121	.121	1.22

	Composite - 4 Fish
Bottle Code: 10/21/2014 BCRE-1 SPB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.295
Mirex ug/g	< .01
Selenium ug/g	.3 JI
Toxaphene ug/g	< .05

Houston County **Lat/Lon: 31.03839 / -85.00862**

CHTH-1, Chattahoochee R - Deepest point, main river channel, near Alabama/Florida state line.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	607	533	542
Length (inches)	23.90	20.98	21.34
Weight (g)	2,732	1,788	1,912
Weight (oz)	96.37	63.07	67.44
Sex/Age	M/9	F/7	F/6
Age Method	Spine	Spine	Spine
Collection Date	09-17-14	09-17-14	10-15-14
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 9/17/2014 CHTH-1 BLC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.25
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Houston County **Lat/Lon: 31.03839 / -85.00862**

CHTH-1, Chattahoochee R - Deepest point, main river channel, near Alabama/Florida state line.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	485	465	542
Length (inches)	19.09	18.31	21.34
Weight (g)	1,114	1,004	1,700
Weight (oz)	39.30	35.42	59.97
Sex/Age	F/6	M/5	F/7
Age Method	Spine	Spine	Spine
Collection Date	09-17-14	09-17-14	10-15-14
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 9/17/2014 CHTH-1 CHC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.74
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Houston County **Lat/Lon: 31.03839 / -85.00862**

CHTH-1, Chattahoochee R - Deepest point, main river channel, near Alabama/Florida state line.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	335	338	438	335	333	460
Length (inches)	13.19	13.31	17.24	13.19	13.11	18.11
Weight (g)	564	532	1,176	498	562	1,356
Weight (oz)	19.89	18.77	41.48	17.57	19.82	47.83
Sex/Age	F/2	F/2	F/5	M/3	F/2	F/7
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-17-14	09-17-14	09-17-14	09-17-14	09-17-14	09-17-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.291	.249	.607	.382	.515	.586

	Composite - 6 Fish
Bottle Code: 9/17/2014 CHTH-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.615
Mercury ug/g	.358
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Mobile County **Lat/Lon: 30.78433 / -88.10869**

CHKM-1, Chickasaw Ck - Chickasaw Creek, Mobile Co. between I65 bridge and Hwy 213 bridge. Lat/Lon calculated at Chickasawbogue Park.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	356	390	319	340	311	352
Length (inches)	14.02	15.35	12.56	13.39	12.24	13.86
Weight (g)	564	792	372	606	382	558
Weight (oz)	19.89	27.94	13.12	21.38	13.47	19.68
Sex/Age	F/6	F/5	M/6	M/7	M/4	F/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild					
Mercury ug/g	1.34	.94	1.38	1.34	1.72	1.27

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6, Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	537	624	750
Length (inches)	21.14	24.57	29.53
Weight (g)	1,200	2,616	5,060
Weight (oz)	42.33	92.28	178.49
Sex/Age	F/7	M/9	M/10
Age Method	Spine	Spine	Spine
Collection Date	11-13-14	11-13-14	11-13-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	.069	.054
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.249	1.646	3.169
Arochlor 1260 ug/g	1.56	5.99	22.09
Total PCB's ug/g	1.809	7.705	25.313
Lipid %	.165	2.52	1.555
Mercury ug/g	.245	.211	.491

	Composite - 3 Fish
Bottle Code: 11/13/2014 LOGS-6 BLC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.21
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	1.187
Arochlor 1260 ug/g	6.275
Total PCB's ug/g	7.672
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.935
Mercury ug/g	.189
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6, Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	338	324	345	354	335	321
Length (inches)	13.31	12.76	13.58	13.94	13.19	12.64
Weight (g)	326	244	316	342	256	236
Weight (oz)	11.50	8.61	11.15	12.06	9.03	8.32
Sex/Age	M/5	F/5	M/5	F/4	M/4	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-13-14	11-13-14	11-13-14	11-13-14	11-13-14	11-13-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	.026	< .05	.02	< .05	.024
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.148	.491	.215	.343	.058	.581
Arochlor 1260 ug/g	1.76	1.61	1.27	.569	2.35	2.76
Total PCB's ug/g	1.908	2.127	1.485	.932	2.408	3.365
Lipid %	.33	.73	.265	.56	.2	.535
Mercury ug/g	< .022	< .022	< .022	< .022	.197	.166

	Composite - 6 Fish
Bottle Code: 11/13/2014 LOGS-6 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.129
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.252
Arochlor 1260 ug/g	1.271
Total PCB's ug/g	1.652
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.34
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6, Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	466	427	356	395	445	382
Length (inches)	18.35	16.81	14.02	15.55	17.52	15.04
Weight (g)	1,672	1,244	784	1,098	1,510	966
Weight (oz)	58.98	43.88	27.65	38.73	53.26	34.07
Sex/Age	F/3	M/3	M/2	M/3	F/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-13-14	11-13-14	11-13-14	11-13-14	11-13-14	11-13-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	.028	.023	.012	.027	.024	.1
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.385	.348	.175	.361	.353	.152
Arochlor 1260 ug/g	2.458	2.23	1.295	2.32	2.87	1.326
Total PCB's ug/g	2.871	2.601	1.482	2.708	3.247	1.578
Lipid %	.52	2.876	.42	.71	.67	.455
Mercury ug/g	.138	.228	.313	.137	.206	.407

	Composite - 6 Fish
Bottle Code: 11/13/2014 LOGS-6 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.205
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.362
Arochlor 1260 ug/g	1.484
Total PCB's ug/g	2.051
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.48
Mercury ug/g	.15
Mirex ug/g	< .01
Selenium ug/g	.3 JI
Toxaphene ug/g	< .05

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6, Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	775	767	505
Length (inches)	30.51	30.20	19.88
Weight (g)	7,200	5,746	1,074
Weight (oz)	253.97	202.68	37.88
Sex/Age	F/8	F/9	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	11-13-14	11-13-14	11-13-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	.276	.091	.073
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	6.16	.886	.637
Arochlor 1260 ug/g	31.65	6.88	2.117
Total PCB's ug/g	38.086	7.857	2.827
Lipid %	5.855	1.615	.71
Mercury ug/g	.358	.31	.292

	Composite - 3 Fish
Bottle Code: 11/13/2014 LOGS-6 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	.053
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.752
Arochlor 1260 ug/g	2.429
Total PCB's ug/g	3.181
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.885
Mercury ug/g	.358
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Dale County **Lat/Lon: 31.23595 / -85.68926**

CTWD-1, Choctawhatchee R - Deepest point, main river channel, approximately 0.5 miles downstream of Little Choctawhatchee confluence, near State Hwy 92.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	575	611	385	305	338
Length (inches)	22.64	24.06	15.16	12.01	13.31
Weight (g)	2,350	2,270	500	234	268
Weight (oz)	82.89	80.07	17.64	8.25	9.45
Sex/Age	F/8	M/6	F/4	M/3	M/3
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	09-16-14	09-16-14	10-29-14	10-29-14	10-29-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	< .022	.149	.107	.134	.213

	Composite - 5 Fish
Bottle Code: 9/16/2014 CTWD-1 CHC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.26
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Dale County **Lat/Lon: 31.23595 / -85.68926**

CTWD-1, Choctawhatchee R - Deepest point, main river channel, approximately 0.5 miles downstream of Little Choctawhatchee confluence, near State Hwy 92.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	360	328	319	318	290	249
Length (inches)	14.17	12.91	12.56	12.52	11.42	9.80
Weight (g)	664	556	470	424	288	214
Weight (oz)	23.42	19.61	16.58	14.96	10.16	7.55
Sex/Age	F/3	M/2	M/2	M/2	M/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14
Skin on Fillet	N	N	N	N	N	N
Deformities					Slight/Mild	Slight/Mild
Mercury ug/g	< .022	.35	.109	< .022	.139	.675

	Composite - 6 Fish
Bottle Code: 9/16/2014 CTWD-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.32
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Dale County **Lat/Lon: 31.23595 / -85.68926**

CTWD-1, Choctawhatchee R - Deepest point, main river channel, approximately 0.5 miles downstream of Little Choctawhatchee confluence, near State Hwy 92.

Redear Sunfish (Lepomis microlophus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	195	225	222	225	219	268
Length (inches)	7.68	8.86	8.74	8.86	8.62	10.55
Weight (g)	172	270	190	162	204	442
Weight (oz)	6.07	9.52	6.70	5.71	7.20	15.59
Sex/Age	M/2	M/3	M/3	M/5	F/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.195	.211	.257	.497	.266	.77

	Composite - 6 Fish
Bottle Code: 9/16/2014 CTWD-1 RES 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.255
Mirex ug/g	< .01
Selenium ug/g	.532
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.00369 / -85.82639**

CTWG-1A, Choctawhatchee R - Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	497	596	496	472	508	575
Length (inches)	19.57	23.46	19.53	18.58	20.00	22.64
Weight (g)	1,534	2,132	1,448	1,000	1,180	1,732
Weight (oz)	54.11	75.20	51.08	35.27	41.62	61.09
Sex/Age	F/4	M/6	M/6	M/4	M/6	M/8
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.157	.108	.197	.125	.231	.161

	Composite - 6 Fish
Bottle Code: 11/4/2014 CTWG-1A CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	3.68
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.00369 / -85.82639**

CTWG-1A, Choctawhatchee R - Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	352	365	335	315
Length (inches)	13.86	14.37	13.19	12.40
Weight (g)	516	734	494	424
Weight (oz)	18.20	25.89	17.43	14.96
Sex/Age	F/2	F/5	M/4	M/2
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N
Internal Parasites		Slight/Mild	Severe/Heavy	Slight/Mild
Mercury ug/g	.75	.508	.887	.533

	Composite - 4 Fish
Bottle Code: 11/4/2014 CTWG-1A LMB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.11
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.00369 / -85.82639**

CTWG-1A, Choctawhatchee R - Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.

Redear Sunfish (Lepomis microlophus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	227	185	193	184
Length (inches)	8.94	7.28	7.60	7.24
Weight (g)	264	128	144	116
Weight (oz)	9.31	4.52	5.08	4.09
Sex/Age	M/5	M/2	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N
Mercury ug/g	.192	.158	.163	.239

	Composite - 4 Fish
Bottle Code: 11/4/2014 CTWG-1A RES 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.105
Mirex ug/g	< .01
Selenium ug/g	.3 JI
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.00369 / -85.82639**

CTWG-1A, Choctawhatchee R - Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	394	312
Length (inches)	15.51	12.28
Weight (g)	946	426
Weight (oz)	33.37	15.03
Sex/Age	F/5	F/2
Age Method	Otolith	Otolith
Collection Date	11-04-14	11-04-14
Skin on Fillet	N	N
Mercury ug/g	.621	.501

	Composite - 2 Fish
Bottle Code: 11/4/2014 CTWG-1A SPB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.535
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 30.99865 / -87.16300**

CONE-1, Conecuh R - Deepest point, main river channel, at Alabama/Florida state line.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	430	479	382	400
Length (inches)	16.93	18.86	15.04	15.75
Weight (g)	732	968	440	524
Weight (oz)	25.82	34.15	15.52	18.48
Sex/Age	F/6	M/6	M/3	M/3
Age Method	Spine	Spine	Spine	Spine
Collection Date	11-12-14	11-12-14	11-12-14	11-12-14
Skin on Fillet	N	N	N	N
Mercury ug/g	< .022	.102	.08	.094

	Composite - 4 Fish
Bottle Code: 11/12/2014 CONE-1 CHC 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.84
Mercury ug/g	.09
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 30.99865 / -87.16300**

CONE-1, Conecuh R - Deepest point, main river channel, at Alabama/Florida state line.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	317	323	374	480	337	364
Length (inches)	12.48	12.72	14.72	18.90	13.27	14.33
Weight (g)	370	420	734	1,874	536	612
Weight (oz)	13.05	14.82	25.89	66.10	18.91	21.59
Sex/Age	F/2	M/3	F/4	F/5	M/2	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	< .022	< .022	< .022	< .022	< .022

	Composite - 6 Fish
Bottle Code: 11/12/2014 CONE-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.37
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Barbour County **Lat/Lon: 31.97427 / -85.10963**

GEOH-10, Cowikee Ck (WF George) - Deepest point, main channel, Cowikee Creek Embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	420	390	380	435	355	365
Length (inches)	16.54	15.35	14.96	17.13	13.98	14.37
Weight (g)	682	486	574	708	376	330
Weight (oz)	24.06	17.14	20.25	24.97	13.26	11.64
Sex/Age	M/5	M/6	M/4	M/4	F/4	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	.152	.224	.203	.184	.175

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-10 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.595
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Barbour County **Lat/Lon: 31.97427 / -85.10963**

GEOH-10, Cowikee Ck (WF George) - Deepest point, main channel, Cowikee Creek Embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	375	350	425	405	385	385
Length (inches)	14.76	13.78	16.73	15.94	15.16	15.16
Weight (g)	678	510	932	722	610	760
Weight (oz)	23.92	17.99	32.88	25.47	21.52	26.81
Sex/Age	M/3	F/3	F/4	M/5	F/4	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	1.09	.96	1.09	1.88	1.31	1.1

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-10 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

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.

TVA collection.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	395	346	370	341	334	398
Length (inches)	15.55	13.62	14.57	13.43	13.15	15.67
Weight (g)	922	671	848	550	666	1,014
Weight (oz)	32.52	23.67	29.91	19.40	23.49	35.77
Sex/Age	F/6	F/2	F/4	F/2	M/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-15-14	12-15-14	12-15-14	12-15-14	12-15-14	12-15-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.308	.122	.312	.185	.146	.35

Covington County **Lat/Lon: 31.30180 / -86.28040**

FJAC-1, Frank Jackson Res - Deepest point, main creek channel, dam forebay.

Return visit to collect bottom feeders.

Lake Chubsucker (Erimyzon sucetta)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	265	299	333	345	375
Length (inches)	10.43	11.77	13.11	13.58	14.76
Weight (g)	270	404	610	628	822
Weight (oz)	9.52	14.25	21.52	22.15	29.00
Sex/Age	M	M	F	M	F
Age Method	N/A	N/A	N/A	N/A	N/A
Collection Date	11-19-14	11-19-14	11-19-14	11-19-14	11-19-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	< .022	< .022	.146	.117	.21

	Composite - 5 Fish
Bottle Code: 10/1/2014 FJAC-1 LCH 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.32
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.30180 / -86.28040**

FJAC-1, Frank Jackson Res - Deepest point, main creek channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	390	370	400	360	326	350
Length (inches)	15.35	14.57	15.75	14.17	12.83	13.78
Weight (g)	752	682	860	628	426	474
Weight (oz)	26.53	24.06	30.34	22.15	15.03	16.72
Sex/Age	F/3	M/4	F/3	M/5	F/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-01-14	10-01-14	10-01-14	10-01-14	10-01-14	10-01-14
Skin on Fillet	N	N	N	N	N	N
Deformities				Slight/Mild		
Internal Parasites		Slight/Mild				Moderate
Mercury ug/g	1.11	1.23	1.21	1.48	.789	1.26

	Composite - 6 Fish
Bottle Code: 10/1/2014 FJAC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.13
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.30180 / -86.28040**

FJAC-1, Frank Jackson Res - Deepest point, main creek channel, dam forebay.

Return visit to collect bottom feeders.

Spotted Sucker (Minytrema melanops)

	Fish 1
Length (mm)	490
Length (inches)	19.29
Weight (g)	1,644
Weight (oz)	57.99
Sex/Age	F
Age Method	N/A
Collection Date	11-19-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.99
Mercury ug/g	.169
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.40445 / -86.47918**

GNTC-1, Gantt 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	496	472	511	535	555
Length (inches)	20.55	19.53	18.58	20.12	21.06	21.85
Weight (g)	1,602	1,386	1,062	1,356	1,250	1,662
Weight (oz)	56.51	48.89	37.46	47.83	44.09	58.63
Sex/Age	M/6	M/6	M/5	F/5	F/6	F/8
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	.107	< .022	.114	.684	.244

	Composite - 6 Fish
Bottle Code: 9/30/2014 GNTC-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.855
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.40445 / -86.47918**

GNTC-1, Gantt 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)	364	359	394	359	319	343
Length (inches)	14.33	14.13	15.51	14.13	12.56	13.50
Weight (g)	600	660	824	644	398	536
Weight (oz)	21.16	23.28	29.07	22.72	14.04	18.91
Sex/Age	F/3	F/2	M/3	F/3	M/2	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.47	.63	.574	.627	.401	.384

	Composite - 6 Fish
Bottle Code: 9/30/2014 GNTC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.375
Mirex ug/g	< .01
Selenium ug/g	.36 JI
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.68878 / -85.12679**

HARL-2, Halawakee Ck (Harding) - Deepest point, main creek channel, Halawakee Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	470	470	415	540	465	480
Length (inches)	18.50	18.50	16.34	21.26	18.31	18.90
Weight (g)	1,288	1,216	732	1,864	1,048	1,306
Weight (oz)	45.43	42.89	25.82	65.75	36.97	46.07
Sex/Age	M/5	F/5	F/4	F/5	F/7	F
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-2 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.064
Total PCB's ug/g	.064
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	2.35
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.68878 / -85.12679**

HARL-2, Halawakee Ck (Harding) - Deepest point, main creek channel, Halawakee Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	455	380	490	415	355	375
Length (inches)	17.91	14.96	19.29	16.34	13.98	14.76
Weight (g)	1,462	788	1,624	1,188	696	718
Weight (oz)	51.57	27.80	57.28	41.91	24.55	25.33
Sex/Age	F/5	F/2	M/5	F/4	M/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-2 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.405
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.394 JI
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.66763 / -85.09190**

HARL-1, Harding 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	561	536	491	560	361
Length (inches)	20.55	22.09	21.10	19.33	22.05	14.21
Weight (g)	1,506	2,390	1,862	1,436	2,578	468
Weight (oz)	53.12	84.30	65.68	50.65	90.94	16.51
Sex/Age	F/5	F	M/5	F/4	F/4	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	4.95
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.339 JI
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.66763 / -85.09190**

HARL-1, Harding 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)	441	350	335	343	322	366
Length (inches)	17.36	13.78	13.19	13.50	12.68	14.41
Weight (g)	1,288	576	478	484	446	636
Weight (oz)	45.43	20.32	16.86	17.07	15.73	22.43
Sex/Age	M/4	F/2	F/2	F/2	F/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.17
Mercury ug/g	.287
Mirex ug/g	< .01
Selenium ug/g	.363 JI
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 30.99290 / -86.32470**

JACC-1, L Jackson - Approximate center of lake.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	370	340	360	300	310	290
Length (inches)	14.57	13.39	14.17	11.81	12.20	11.42
Weight (g)	610	504	536	346	324	276
Weight (oz)	21.52	17.78	18.91	12.20	11.43	9.74
Sex/Age	M/3	M/3	F/3	M/4	F/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-01-14	10-01-14	10-01-14	10-01-14	10-01-14	10-01-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.652	.577	.674	.424	.707	.44

	Composite - 6 Fish
Bottle Code: 10/1/2014 JACC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.235
Mirex ug/g	< .01
Selenium ug/g	.49 JI
Toxaphene ug/g	< .05

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1, Lay Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1
Length (mm)	645
Length (inches)	25.39
Weight (g)	3,090
Weight (oz)	109.00
Sex/Age	M/10
Age Method	Spine
Collection Date	11-05-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.131
Arochlor 1260 ug/g	.203
Total PCB's ug/g	.334
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.41
Mercury ug/g	.251
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1, Lay 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)	330	300	310	350	320	310
Length (inches)	12.99	11.81	12.20	13.78	12.60	12.20
Weight (g)	280	192	228	340	216	214
Weight (oz)	9.88	6.77	8.04	11.99	7.62	7.55
Sex/Age	M/5	M/3	F/3	F/3	F/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.02	.021	.033	.046	.065	.123
Arochlor 1260 ug/g	.059	.098	.053	.082	.159	1.264
Total PCB's ug/g	.079	.119	.086	.128	.224	1.387
Lipid %	.24	.905	1.745	2.85	.91	1.02
Mercury ug/g	< .022	< .022	< .022	< .022	< .022	< .022

	Composite - 6 Fish
Bottle Code: 11/5/2014 LAYC-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.097
Arochlor 1260 ug/g	.225
Total PCB's ug/g	.322
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.185
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1, Lay 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)	367	367	395	444	345	434
Length (inches)	14.45	14.45	15.55	17.48	13.58	17.09
Weight (g)	672	736	1,060	1,356	650	1,266
Weight (oz)	23.70	25.96	37.39	47.83	22.93	44.66
Sex/Age	F/2	F/2	M/3	F/3	F/2	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.024	.025	.031	.048	< .05	.519
Arochlor 1260 ug/g	.035	.032	.057	.088	< .05	1.543
Total PCB's ug/g	.059	.057	.088	.136	< .05	2.062
Lipid %	.245	.245	.42	.74	.115	3.575
Mercury ug/g	.12	< .022	.124	< .022	.104	< .022

	Composite - 6 Fish
Bottle Code: 11/5/2014 LAYC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.08
Total PCB's ug/g	.08
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.3
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1, Lay Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	685	667	555
Length (inches)	26.97	26.26	21.85
Weight (g)	2,764	2,620	1,418
Weight (oz)	97.50	92.42	50.02
Sex/Age	M/4	F/3	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.043	.266	.655
Arochlor 1260 ug/g	.101	.602	1.006
Total PCB's ug/g	.144	.868	1.661
Lipid %	.155	.84	2.455
Mercury ug/g	.214	.097	.139

	Composite - 3 Fish
Bottle Code: 11/5/2014 LAYC-1 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.45
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.362
Arochlor 1260 ug/g	.697
Total PCB's ug/g	1.509
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.98
Mercury ug/g	.199
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15, Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	515	505	415	390	410	450
Length (inches)	20.28	19.88	16.34	15.35	16.14	17.72
Weight (g)	1,172	1,048	684	660	770	870
Weight (oz)	41.34	36.97	24.13	23.28	27.16	30.69
Sex/Age	M/7	M/7	M/4	F/3	M/4	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N	N	Y
Lesions						Moderate
Arochlor 1016 ug/g	< .05	.445	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	< .05	.391	< .05	.116	< .05	< .05
Arochlor 1260 ug/g	< .05	.791	< .05	.244	.183	< .05
Total PCB's ug/g	< .05	1.627	< .05	.36	.183	< .05
Lipid %	.26	.22	1.09	1.15	.295	.14
Mercury ug/g	.131	.132	< .022	.184	.232	.607

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15, Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
						Composite - 6 Fish
Bottle Code: 11/4/2014 LAYC-15 CHC 01-06						
2,4-DDD ug/g						< .01
2,4-DDE ug/g						< .01
2,4-DDT ug/g						< .01
4,4-DDD ug/g						< .01
4,4-DDE ug/g						< .01
4,4-DDT ug/g						< .01
Arochlor 1016 ug/g						< .05
Arochlor 1221 ug/g						< .05
Arochlor 1232 ug/g						< .05
Arochlor 1242 ug/g						< .05
Arochlor 1248 ug/g						< .05
Arochlor 1254 ug/g						< .05
Arochlor 1260 ug/g						.168
Total PCB's ug/g						.168
Arsenic ug/g						< .2098
Cadmium ug/g						< .0098
Chlordane ug/g						< .01
Dursban(chlorpyrifos) ug/g						< .01
Dieldrin ug/g						< .01
Endosulfan I ug/g						< .01
Endosulfan II ug/g						< .01
Endrin ug/g						< .01
Heptachlor ug/g						< .01
Heptachlor-epoxide ug/g						< .01
Hexachlorobenzene ug/g						< .05
Lindane (gamma BHC) ug/g						< .01
Lipid %						.67
Mercury ug/g						.105
Mirex ug/g						< .01
Selenium ug/g						< .2645
Toxaphene ug/g						< .05

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15, Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	440	410	380	440	435	425
Length (inches)	17.32	16.14	14.96	17.32	17.13	16.73
Weight (g)	1,340	950	818	1,382	1,232	1,102
Weight (oz)	47.27	33.51	28.85	48.75	43.46	38.87
Sex/Age	F/4	M/4	M/3	F/5	F/4	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.143	.128	< .05	< .05	< .05	.213
Arochlor 1260 ug/g	.224	.174	.14	.131	.247	.332
Total PCB's ug/g	.367	.302	.14	.131	.247	.545
Lipid %	.97	.78	.54	.74	.705	2.11
Mercury ug/g	.113	.1	.131	.124	.116	.102

	Composite - 6 Fish
Bottle Code: 11/4/2014 LAYC-15 SPB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.103
Arochlor 1260 ug/g	.184
Total PCB's ug/g	.287
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.66
Mercury ug/g	.106
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15, Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	470	420	415
Length (inches)	18.50	16.54	16.34
Weight (g)	1,236	854	834
Weight (oz)	43.60	30.12	29.42
Sex/Age	M/2	F/1	F/1
Age Method	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.14	.195	.163
Arochlor 1260 ug/g	.162	.243	.257
Total PCB's ug/g	.302	.438	.42
Lipid %	.6	2.025	.84
Mercury ug/g	< .022	< .022	.092

	Composite - 3 Fish
Bottle Code: 11/4/2014 LAYC-15 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.187
Arochlor 1260 ug/g	.241
Total PCB's ug/g	.428
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.74
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1, Logan 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)	445	400	375	325	330	315
Length (inches)	17.52	15.75	14.76	12.80	12.99	12.40
Weight (g)	850	596	386	274	296	258
Weight (oz)	29.98	21.02	13.62	9.67	10.44	9.10
Sex/Age	F/7	F/6	M/4	M/5	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.19	< .05	< .05	.068	.042	< .05
Arochlor 1260 ug/g	.578	.343	< .05	.243	.561	.067
Total PCB's ug/g	.768	.343	< .05	.311	.603	.067
Lipid %	2.39	.375	.2	.63	.445	.23

	Composite - 6 Fish
Bottle Code: 11/12/2014 LOGS-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.07
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.111
Arochlor 1260 ug/g	.288
Total PCB's ug/g	.469
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.695
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1, Logan 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)	450	400	430	395	340	375
Length (inches)	17.72	15.75	16.93	15.55	13.39	14.76
Weight (g)	1,496	1,076	1,290	838	538	726
Weight (oz)	52.77	37.95	45.50	29.56	18.98	25.61
Sex/Age	F/4	F/3	M/3	M/4	F/2	M
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14	11-12-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.059	.118	.088	.072	.068	.061
Arochlor 1260 ug/g	.126	.142	.107	.158	.056	.142
Total PCB's ug/g	.185	.26	.195	.23	.124	.203
Lipid %	.63	1.085	.815	.4	.895	.26

	Composite - 6 Fish
Bottle Code: 11/12/2014 LOGS-1 SPB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.11
Arochlor 1260 ug/g	.19
Total PCB's ug/g	.3
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.945
Mercury ug/g	.086
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.43158 / -86.33055**

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

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	705	540	650
Length (inches)	27.76	21.26	25.59
Weight (g)	3,338	1,240	2,342
Weight (oz)	117.74	43.74	82.61
Sex/Age	F/5	M/3	M/3
Age Method	Otolith	Otolith	Otolith
Collection Date	11-12-14	11-12-14	11-12-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	.099	.036	.125
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	1.607	.603	1.567
Arochlor 1260 ug/g	4.33	.884	2.53
Total PCB's ug/g	6.036	1.523	4.222
Lipid %	2.89	1.48	4.145

	Composite - 3 Fish
Bottle Code: 11/12/2014 LOGS-1 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	.129
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.719
Arochlor 1260 ug/g	1.818
Total PCB's ug/g	2.666
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	2.865
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16, Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	657	545	589	566	580
Length (inches)	25.87	21.46	23.19	22.28	22.83
Weight (g)	3,372	1,584	2,214	2,094	1,986
Weight (oz)	118.94	55.87	78.10	73.86	70.05
Sex/Age	F/9	M/6	F/8	F/9	F/8
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	10-15-14	10-15-14	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.169	.058	.118	.062	.199
Arochlor 1260 ug/g	.571	.069	.298	.198	.723
Total PCB's ug/g	.74	.127	.416	.26	.922
Lipid %	1.145	.32	1.605	.66	.765

	Composite - 5 Fish
Bottle Code: 10/15/2014 LOGS-16 BLC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.274
Total PCB's ug/g	.274
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.185
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16, Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1
Length (mm)	381
Length (inches)	15.00
Weight (g)	472
Weight (oz)	16.65
Sex/Age	M/5
Age Method	Spine
Collection Date	10-15-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.266
Total PCB's ug/g	.266
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.35
Mercury ug/g	.115
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16, Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	344	439	455	361	326	354
Length (inches)	13.54	17.28	17.91	14.21	12.83	13.94
Weight (g)	630	1,078	1,398	592	480	628
Weight (oz)	22.22	38.03	49.31	20.88	16.93	22.15
Sex/Age	F/2	F/6	F/4	F/2	F/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-15-14	10-15-14	10-15-14	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	.053	< .05	< .05	< .05	< .05	.051
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.746	.585	.187	.18	.077	.91
Arochlor 1260 ug/g	.403	1.191	.406	.37	.098	1.251
Total PCB's ug/g	1.202	1.776	.593	.55	.175	2.212
Lipid %	1.555	1.635	1.12	2.06	1.31	4.305

	Composite - 6 Fish
Bottle Code: 10/15/2014 LOGS-16 SPB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.221
Total PCB's ug/g	.221
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.365
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16, Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	383	507	370
Length (inches)	15.08	19.96	14.57
Weight (g)	638	1,164	556
Weight (oz)	22.50	41.06	19.61
Sex/Age	F/1	F/2	F/1
Age Method	Otolith	Otolith	Otolith
Collection Date	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.132	.111	.259
Arochlor 1260 ug/g	.274	.243	.453
Total PCB's ug/g	.406	.354	.712
Lipid %	2.875	.89	3.015

	Composite - 3 Fish
Bottle Code: 10/15/2014 LOGS-16 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.375
Total PCB's ug/g	.375
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	3.845
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Mobile County **Lat/Lon: 30.30461 / -88.22746**

MSND-1, Mississippi Sound - One mile south of the most western tip of Marsh Island.

Red Drum (Sciaenops ocellatus)

	Fish 1	Fish 2
Length (mm)	355	342
Length (inches)	13.98	13.46
Weight (g)	540	464
Weight (oz)	19.05	16.37
Sex/Age	M/1	M/1
Age Method	Otolith	Otolith
Collection Date	12-02-14	12-02-14
Skin on Fillet	N	N
Mercury ug/g	< .022	< .022

	Composite - 2 Fish
Bottle Code: 12/2/2014 MSND-1 RDD 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.47 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.245
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

Mobile County **Lat/Lon: 30.30461 / -88.22746**

MSND-1, Mississippi Sound - One mile south of the most western tip of Marsh Island.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	373	365	341	410	381	384
Length (inches)	14.69	14.37	13.43	16.14	15.00	15.12
Weight (g)	678	518	410	710	574	602
Weight (oz)	23.92	18.27	14.46	25.04	20.25	21.23
Sex/Age	F/3	F/2	M/3	M/3	F/2	M/5
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-02-14	12-02-14	12-02-14	12-02-14	12-02-14	12-02-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	< .022	< .022	< .022	< .022	< .022	< .022

	Composite - 6 Fish
Bottle Code: 12/2/2014 MSND-1 STM 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.22 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.045
Mirex ug/g	< .01
Selenium ug/g	.32 JI
Toxaphene ug/g	< .05

Mobile County **Lat/Lon: 30.98764 / -87.99306**

MOBM-5, Mobile R - Mobile River at Cold Creek, river mile 27.0.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	453	440	474	328	456	330
Length (inches)	17.83	17.32	18.66	12.91	17.95	12.99
Weight (g)	1,282	1,202	1,534	456	1,272	488
Weight (oz)	45.22	42.40	54.11	16.08	44.87	17.21
Sex/Age	F/6	F/4	F/7	M/3	F/5	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.88	.96	.634	.79	.56	.2

Mobile County **Lat/Lon: 31.09292 / -87.97311**

MOBM-6, Mobile R - Mobile River at David Lake, river mile 41.3.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	369	434	442	458	406	330
Length (inches)	14.53	17.09	17.40	18.03	15.98	12.99
Weight (g)	722	1,224	1,052	906	840	486
Weight (oz)	25.47	43.18	37.11	31.96	29.63	17.14
Sex/Age	M/3	F/5	F/5	M/5	F/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14	12-11-14
Skin on Fillet	N	N	N	N	N	N
Internal Parasites				Slight/Mild		
Mercury ug/g	.21	.78	.611	.449	.5	.402

Escambia County **Lat/Lon: 31.07361 / -87.09167**

MRDE-1, Murder Ck - Between confluence with Burnt Corn Creek and Conecuh River.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	518	478	419	471	470	445
Length (inches)	20.39	18.82	16.50	18.54	18.50	17.52
Weight (g)	1,412	1,048	668	890	982	798
Weight (oz)	49.81	36.97	23.56	31.39	34.64	28.15
Sex/Age	M/5	M/5	M/4	F/6	F/6	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.465	.148	.317	.531	.125	.103

	Composite - 6 Fish
Bottle Code: 10/21/2014 MRDE-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.745
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.07361 / -87.09167**

MRDE-1, Murder Ck - Between confluence with Burnt Corn Creek and Conecuh River.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	283	296	292	338	267	296
Length (inches)	11.14	11.65	11.50	13.31	10.51	11.65
Weight (g)	268	310	334	554	214	302
Weight (oz)	9.45	10.93	11.78	19.54	7.55	10.65
Sex/Age	M/3	F/5	F/5	F/4	F/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14	10-21-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.12	.929	.577	1.137	.627	.514

	Composite - 6 Fish
Bottle Code: 10/21/2014 MRDE-1 SPB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.2
Mirex ug/g	< .01
Selenium ug/g	.27 JI
Toxaphene ug/g	< .05

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1, Neely Henry 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)	440	395	425	420	571	410
Length (inches)	17.32	15.55	16.73	16.54	22.48	16.14
Weight (g)	726	630	748	786	1,792	672
Weight (oz)	25.61	22.22	26.38	27.73	63.21	23.70
Sex/Age	F/5	M/6	M/6	M/7	F/5	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.107	.168	.09	.08	.19	.087
Arochlor 1260 ug/g	.154	.216	.112	.101	.307	.109
Total PCB's ug/g	.261	.384	.202	.181	.497	.196
Lipid %	1.29	1.45	.92	.915	1.71	1.09

	Composite - 6 Fish
Bottle Code: 10/16/2014 NEES-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.14
Total PCB's ug/g	.14
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.175
Mercury ug/g	.11
Mirex ug/g	< .01
Selenium ug/g	.28 JI
Toxaphene ug/g	< .05

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1, Neely Henry 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)	435	405	415	385	379	416
Length (inches)	17.13	15.94	16.34	15.16	14.92	16.38
Weight (g)	1,156	914	1,040	806	676	1,004
Weight (oz)	40.78	32.24	36.68	28.43	23.85	35.42
Sex/Age	F/4	F/4	M/6	F/3	M/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.025	.101	.199	< .05	< .05	.065
Arochlor 1260 ug/g	.224	.11	.22	< .05	.069	.154
Total PCB's ug/g	.249	.211	.419	< .05	.069	.219
Lipid %	3.785	1.4	1.38	.99	5.83	2.45

	Composite - 6 Fish
Bottle Code: 10/16/2014 NEES-1 SPB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.098
Total PCB's ug/g	.098
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.905
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.27 JI
Toxaphene ug/g	< .05

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1, Neely Henry Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	494	533	361
Length (inches)	19.45	20.98	14.21
Weight (g)	1,114	1,302	578
Weight (oz)	39.30	45.93	20.39
Sex/Age	F/2	F/2	M/1
Age Method	Otolith	Otolith	Otolith
Collection Date	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.154	.213	.059
Arochlor 1260 ug/g	.219	.284	.05
Total PCB's ug/g	.373	.497	.109
Lipid %	1.915	3.445	2.805

	Composite - 3 Fish
Bottle Code: 10/16/2014 NEES-1 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.168
Arochlor 1260 ug/g	.114
Total PCB's ug/g	.282
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	2.2
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Etowah County **Lat/Lon: 34.11269 / -85.85403**

NEES-13, Neely Henry Res - Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	595	615	565	550	565
Length (inches)	23.43	24.21	22.24	21.65	22.24
Weight (g)	2,284	2,372	1,742	1,422	1,620
Weight (oz)	80.57	83.67	61.45	50.16	57.14
Sex/Age	M/7	M/7	M/7	M/5	F/5
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	12-02-14	12-02-14	12-02-14	12-02-14	12-02-14
Skin on Fillet	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.09	.155	.059	.06	.047
Arochlor 1260 ug/g	.249	.278	.149	.14	.102
Total PCB's ug/g	.339	.433	.208	.2	.149
Lipid %	.695	2.71	.735	.15	.265

	Composite - 5 Fish
Bottle Code: 12/2/2014 NEES-13 BLC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.157
Total PCB's ug/g	.157
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.705
Mercury ug/g	.101
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Etowah County **Lat/Lon: 34.11269 / -85.85403**

NEES-13, Neely Henry Res - Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.

Channel Catfish (Ictalurus punctatus)

	Fish 1
Length (mm)	427
Length (inches)	16.81
Weight (g)	730
Weight (oz)	25.75
Sex/Age	M/4
Age Method	Spine
Collection Date	12-02-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.216
Total PCB's ug/g	.216
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.955
Mercury ug/g	.112
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Etowah County **Lat/Lon: 34.11269 / -85.85403**

NEES-13, Neely Henry Res - Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.

Largemouth Bass (Micropterus salmoides)

	Fish 1	
Length (mm)	405	
Length (inches)	15.94	
Weight (g)	1,024	
Weight (oz)	36.12	
Sex/Age	F/2	
Age Method	Otolith	
Collection Date	12-02-14	
Skin on Fillet	N	
2,4-DDD ug/g	< .01	
2,4-DDE ug/g	< .01	
2,4-DDT ug/g	< .01	
4,4-DDD ug/g	< .01	
4,4-DDE ug/g	< .01	
4,4-DDT ug/g	< .01	
Arochlor 1016 ug/g	< .05	
Arochlor 1221 ug/g	< .05	
Arochlor 1232 ug/g	< .05	
Arochlor 1242 ug/g	< .05	
Arochlor 1248 ug/g	< .05	
Arochlor 1254 ug/g	< .05	
Arochlor 1260 ug/g	< .05	
Total PCB's ug/g	< .05	
Arsenic ug/g	< .2098	
Cadmium ug/g	< .0098	
Chlordane ug/g	< .01	
Dursban(chlorpyrifos) ug/g	< .01	
Dieldrin ug/g	< .01	
Endosulfan I ug/g	< .01	
Endosulfan II ug/g	< .01	
Endrin ug/g	< .01	
Heptachlor ug/g	< .01	
Heptachlor-epoxide ug/g	< .01	
Hexachlorobenzene ug/g	< .05	
Lindane (gamma BHC) ug/g	< .01	
Lipid %	.315	
Mercury ug/g	< .022	
Mirex ug/g	< .01	
Selenium ug/g	.39	JI
Toxaphene ug/g	< .05	

Etowah County **Lat/Lon: 34.11269 / -85.85403**

NEES-13, Neely Henry Res - Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	455	435	375	355	350
Length (inches)	17.91	17.13	14.76	13.98	13.78
Weight (g)	1,560	1,242	804	534	630
Weight (oz)	55.03	43.81	28.36	18.84	22.22
Sex/Age	F/5	F/4	F/2	F/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-02-14	12-02-14	12-02-14	12-02-14	12-02-14
Skin on Fillet	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.09	.102	.051	.021	.034
Arochlor 1260 ug/g	.144	.102	.06	.034	.041
Total PCB's ug/g	.234	.204	.111	.055	.075
Lipid %	.58	.845	.5	.165	.205

	Composite - 5 Fish
Bottle Code: 12/2/2014 NEES-13 SPB 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.6
Mercury ug/g	.129
Mirex ug/g	< .01
Selenium ug/g	.37 JI
Toxaphene ug/g	< .05

Etowah County **Lat/Lon: 34.11269 / -85.85403**

NEES-13, Neely Henry Res - Neely Henry at Croft Ferry, Alabama Power reservoir mile 54.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	506	586	545
Length (inches)	19.92	23.07	21.46
Weight (g)	1,704	3,040	1,592
Weight (oz)	60.11	107.23	56.16
Sex/Age	F/2	F/2	F/2
Age Method	Otolith	Otolith	Otolith
Collection Date	12-02-14	12-02-14	12-02-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.259	.468	.112
Arochlor 1260 ug/g	.264	.541	.185
Total PCB's ug/g	.523	1.009	.297
Lipid %	3.955	6.45	1.045

	Composite - 3 Fish
Bottle Code: 12/2/2014 NEES-13 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.341
Arochlor 1260 ug/g	.287
Total PCB's ug/g	.628
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	4.995
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.42 JI
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.72072 / -85.12866**

HARL-3, Osanippa Ck (Harding) - Deepest point, main channel, Osanippa Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	465	517	545	500	457	380
Length (inches)	18.31	20.35	21.46	19.69	17.99	14.96
Weight (g)	854	1,502	1,392	1,288	988	524
Weight (oz)	30.12	52.98	49.10	45.43	34.85	18.48
Sex/Age	M/4	F/5	F/5	M/6	M/5	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-3 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.058
Total PCB's ug/g	.058
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.49
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Lee County **Lat/Lon: 32.72072 / -85.12866**

HARL-3, Osanippa Ck (Harding) - Deepest point, main channel, Osanippa Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	363	375	359	414	369	325
Length (inches)	14.29	14.76	14.13	16.30	14.53	12.80
Weight (g)	824	792	628	1,050	686	542
Weight (oz)	29.07	27.94	22.15	37.04	24.20	19.12
Sex/Age	F/3	F/4	F/3	F/3	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 HARL-3 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.051
Total PCB's ug/g	.051
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.265
Mercury ug/g	.291
Mirex ug/g	< .01
Selenium ug/g	.294 JI
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.37855 / -86.52325**

PTAC-2, Patsaliga Ck (Point A) - Deepest point, main channel, Patsaliga Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	481	359	458	415	436
Length (inches)	18.94	14.13	18.03	16.34	17.17
Weight (g)	1,064	402	866	626	728
Weight (oz)	37.53	14.18	30.55	22.08	25.68
Sex/Age	M/5	F/4	F/5	F/4	F/5
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.161	< .022	< .022	< .022	.131

	Composite - 5 Fish
Bottle Code: 9/30/2014 PTAC-2 CHC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.042
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.37855 / -86.52325**

PTAC-2, Patsaliga Ck (Point A) - Deepest point, main channel, Patsaliga Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	439	334	398	408	348	401
Length (inches)	17.28	13.15	15.67	16.06	13.70	15.79
Weight (g)	1,050	452	812	904	488	864
Weight (oz)	37.04	15.94	28.64	31.89	17.21	30.48
Sex/Age	F/7	M/3	F/4	F/4	M/4	F/5
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.738	.546	.502	.487	.569	.78

	Composite - 6 Fish
Bottle Code: 9/30/2014 PTAC-2 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.145
Mirex ug/g	< .01
Selenium ug/g	.33 JI
Toxaphene ug/g	< .05

Coffee County **Lat/Lon: 31.40380 / -86.06900**

PEAC-1, Pea R - Deepest point, main river channel, approximately 0.5 miles downstream of Beaverdam Creek/Pea River confluence, south of Elba, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	419	362	520	430	393	575
Length (inches)	16.50	14.25	20.47	16.93	15.47	22.64
Weight (g)	667	360	1,452	712	614	2,008
Weight (oz)	23.53	12.70	51.22	25.12	21.66	70.83
Sex/Age	F/4	F/3	F/7	F/5	F/4	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-14-14	10-14-14	10-14-14	10-14-14	10-14-14	10-14-14
Skin on Fillet	N	N	N	N	N	N
Internal Parasites				Slight/Mild		
Mercury ug/g	< .022	.134	.985	.344	.106	< .022

	Composite - 6 Fish
Bottle Code: 10/14/2014 PEAC-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.615
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Coffee County **Lat/Lon: 31.40380 / -86.06900**

PEAC-1, Pea R - Deepest point, main river channel, approximately 0.5 miles downstream of Beaverdam Creek/Pea River confluence, south of Elba, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	387	450	383	451	321	362
Length (inches)	15.24	17.72	15.08	17.76	12.64	14.25
Weight (g)	768	1,298	696	1,622	418	608
Weight (oz)	27.09	45.79	24.55	57.21	14.74	21.45
Sex/Age	M/4	M/6	F/4	F/7	M/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-14-14	10-14-14	10-14-14	10-14-14	10-14-14	10-14-14
Skin on Fillet	N	N	N	N	N	N
Internal Parasites						Moderate
Mercury ug/g	.656	1.105	.49	.679	.397	.739

	Composite - 6 Fish
Bottle Code: 10/14/2014 PEAC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.165
Mirex ug/g	< .01
Selenium ug/g	.35 JI
Toxaphene ug/g	< .05

Coffee County **Lat/Lon: 31.43280 / -85.96996**

PEAC-2, Pea R - Pea River at County Road 248.

Brown Bullhead (Ameiurus nebulosus)

	Fish 1
Length (mm)	247
Length (inches)	9.72
Weight (g)	188
Weight (oz)	6.63
Sex/Age	F/4
Age Method	Spine
Collection Date	10-28-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.16
Mercury ug/g	.498
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Coffee County **Lat/Lon: 31.43280 / -85.96996**

PEAC-2, Pea R - Pea River at County Road 248.

Largemouth Bass (Micropterus salmoides)

	Fish 1	
Length (mm)	239	
Length (inches)	9.41	
Weight (g)	172	
Weight (oz)	6.07	
Sex/Age	F/2	
Age Method	Otolith	
Collection Date	10-28-14	
Skin on Fillet	N	
2,4-DDD ug/g	< .01	
2,4-DDE ug/g	< .01	
2,4-DDT ug/g	< .01	
4,4-DDD ug/g	< .01	
4,4-DDE ug/g	< .01	
4,4-DDT ug/g	< .01	
Arochlor 1016 ug/g	< .05	
Arochlor 1221 ug/g	< .05	
Arochlor 1232 ug/g	< .05	
Arochlor 1242 ug/g	< .05	
Arochlor 1248 ug/g	< .05	
Arochlor 1254 ug/g	< .05	
Arochlor 1260 ug/g	< .05	
Total PCB's ug/g	< .05	
Arsenic ug/g	< .2098	
Cadmium ug/g	< .0098	
Chlordane ug/g	< .01	
Dursban(chlorpyrifos) ug/g	< .01	
Dieldrin ug/g	< .01	
Endosulfan I ug/g	< .01	
Endosulfan II ug/g	< .01	
Endrin ug/g	< .01	
Heptachlor ug/g	< .01	
Heptachlor-epoxide ug/g	< .01	
Hexachlorobenzene ug/g	< .05	
Lindane (gamma BHC) ug/g	< .01	
Lipid %	.16	
Mercury ug/g	.508	
Mirex ug/g	< .01	
Selenium ug/g	.48	JI
Toxaphene ug/g	< .05	

Coffee County **Lat/Lon: 31.43280 / -85.96996**

PEAC-2, Pea R - Pea River at County Road 248.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	230	239	269	265	324
Length (inches)	9.06	9.41	10.59	10.43	12.76
Weight (g)	138	172	236	236	514
Weight (oz)	4.87	6.07	8.32	8.32	18.13
Sex/Age	F/2	F/2	F/3	M/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-28-14	10-28-14	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N	N	N
Internal Parasites			Moderate	Moderate	Slight/Mild
Mercury ug/g	.428	.147	.242	.172	.705

	Composite - 5 Fish
Bottle Code: 10/28/2014 PEAC-2 SPB 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.14
Mirex ug/g	< .01
Selenium ug/g	.26 JI
Toxaphene ug/g	< .05

Coffee County **Lat/Lon: 31.43280 / -85.96996**

PEAC-2, Pea R - Pea River at County Road 248.

Yellow Bullhead (Ameiurus natalis)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	252	253	255	262
Length (inches)	9.92	9.96	10.04	10.31
Weight (g)	228	230	230	276
Weight (oz)	8.04	8.11	8.11	9.74
Sex/Age	M/3	M/3	M/3	M/4
Age Method	Spine	Spine	Spine	Spine
Collection Date	10-28-14	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N	N
Mercury ug/g	.131	.157	.151	.187

	Composite - 4 Fish
Bottle Code: 10/28/2014 PEAC-2 YBU 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	.013 JI
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.46
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.02460 / -85.87600**

PEAG-1, Pea R - Deepest point, main river channel, approximately 0.5 miles upstream of the confluence with Choctawhatchee River.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	470	560	565	420	395	380
Length (inches)	18.50	22.05	22.24	16.54	15.55	14.96
Weight (g)	1,118	1,854	1,942	560	480	396
Weight (oz)	39.44	65.40	68.50	19.75	16.93	13.97
Sex/Age	M/5	M/4	F/5	M/4	F/4	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.287	.196	.284	.308	.174	.161

	Composite - 6 Fish
Bottle Code: 11/5/2014 PEAG-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.905
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.02460 / -85.87600**

PEAG-1, Pea R - Deepest point, main river channel, approximately 0.5 miles upstream of the confluence with Choctawhatchee River.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	325	430	320	240	230
Length (inches)	12.80	16.93	12.60	9.45	9.06
Weight (g)	462	1,298	530	188	126
Weight (oz)	16.30	45.79	18.70	6.63	4.44
Sex/Age	F/2	M/5	M/2	M/2	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.516	.321	.321	.668	.539

	Composite - 5 Fish
Bottle Code: 11/5/2014 PEAG-1 LMB 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.235
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Geneva County **Lat/Lon: 31.02460 / -85.87600**

PEAG-1, Pea R - Deepest point, main river channel, approximately 0.5 miles upstream of the confluence with Choctawhatchee River.

Spotted Bass (Micropterus punctulatus)

	Fish 1
Length (mm)	290
Length (inches)	11.42
Weight (g)	360
Weight (oz)	12.70
Sex/Age	M/2
Age Method	Otolith
Collection Date	11-05-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.275
Mercury ug/g	.551
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.45010 / -87.38200**

PDBB-3, Perdido Bay - Perdido Bay at mid-channel south of Chambers Point. Fish tissue location near Grassy Point and Chambers Point.

Red Drum (Sciaenops ocellatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	424	398	365	442	526
Length (inches)	16.69	15.67	14.37	17.40	20.71
Weight (g)	702	614	552	816	1,436
Weight (oz)	24.76	21.66	19.47	28.78	50.65
Sex/Age	M/2	M/1	M/1	F/2	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.349	.365	< .0153	< .0153	.393

	Composite - 5 Fish
Bottle Code: 11/5/2014 PDBB-3 RDD 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.32 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.15
Mercury ug/g	.498
Mirex ug/g	< .01
Selenium ug/g	.35 JI
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.45010 / -87.38200**

PDBB-3, Perdido Bay - Perdido Bay at mid-channel south of Chambers Point. Fish tissue location near Grassy Point and Chambers Point.

Speckled Trout (Cynoscion nebulosus)

	Fish 1	
Length (mm)	559	
Length (inches)	22.01	
Weight (g)	1,546	
Weight (oz)	54.53	
Sex/Age	F/3	
Age Method	Otolith	
Collection Date	11-05-14	
Skin on Fillet	N	
2,4-DDD ug/g	< .01	
2,4-DDE ug/g	< .01	
2,4-DDT ug/g	< .01	
4,4-DDD ug/g	< .01	
4,4-DDE ug/g	< .01	
4,4-DDT ug/g	< .01	
Arochlor 1016 ug/g	< .05	
Arochlor 1221 ug/g	< .05	
Arochlor 1232 ug/g	< .05	
Arochlor 1242 ug/g	< .05	
Arochlor 1248 ug/g	< .05	
Arochlor 1254 ug/g	< .05	
Arochlor 1260 ug/g	< .05	
Total PCB's ug/g	< .05	
Arsenic ug/g	< .2098	
Cadmium ug/g	< .0098	
Chlordane ug/g	< .01	
Dursban(chlorpyrifos) ug/g	< .01	
Dieldrin ug/g	< .01	
Endosulfan I ug/g	< .01	
Endosulfan II ug/g	< .01	
Endrin ug/g	< .01	
Heptachlor ug/g	< .01	
Heptachlor-epoxide ug/g	< .01	
Hexachlorobenzene ug/g	< .05	
Lindane (gamma BHC) ug/g	< .01	
Lipid %	.555	
Mercury ug/g	.149	
Mirex ug/g	< .01	
Selenium ug/g	.27	JI
Toxaphene ug/g	< .05	

Baldwin County **Lat/Lon: 30.45010 / -87.38200**

PDBB-3, Perdido Bay - Perdido Bay at mid-channel south of Chambers Point. Fish tissue location near Grassy Point and Chambers Point.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	326	350	335	349	380	364
Length (inches)	12.83	13.78	13.19	13.74	14.96	14.33
Weight (g)	362	448	410	456	616	494
Weight (oz)	12.77	15.80	14.46	16.08	21.73	17.43
Sex/Age	M/2	F/3	F/3	F/3	F/4	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14	11-05-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/5/2014 PDBB-3 STM 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.22 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.07
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.52260 / -87.44710**

PDBB-4, Perdido R - Perdido River at US Hwy 90.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	352	425	415	272	282
Length (inches)	13.86	16.73	16.34	10.71	11.10
Weight (g)	438	760	722	192	192
Weight (oz)	15.45	26.81	25.47	6.77	6.77
Sex/Age	F	F	F	M	M
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-19-14	11-19-14	11-19-14	11-19-14	11-19-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.39	.884	.757	.316	.493

	Composite - 5 Fish
Bottle Code: 11/5/2014 PDBB-4 BKR 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	.28 JI
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.52260 / -87.44710**

PDBB-4, Perdido R - Perdido River at US Hwy 90.

Channel Catfish (Ictalurus punctatus)

	Fish 1
Length (mm)	510
Length (inches)	20.08
Weight (g)	1,182
Weight (oz)	41.69
Sex/Age	F/5
Age Method	Spine
Collection Date	11-19-14
Skin on Fillet	N
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	1.315
Mercury ug/g	.383
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.52260 / -87.44710**

PDBB-4, Perdido R - Perdido River at US Hwy 90.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6	Fish 7	Fish 8
Length (mm)	235	235	293	273	377	260	317	430
Length (inches)	9.25	9.25	11.54	10.75	14.84	10.24	386.9	388.1
Weight (g)	160	164	352	266	760	214	364	430
Weight (oz)	5.64	5.78	12.42	9.38	26.81	7.55	398.0	470.2
Sex/Age	M/2	M/2	M/4	F/2	M/6	M/3	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-14	11-05-14	11-19-14	11-19-14	11-19-14	11-19-14	11-19-14	11-19-14
Skin on Fillet	N	N	N	N	N	N	N	N
Mercury ug/g	.948	.881	1.311	1.012	1.447	.999	1.384	1.17

	Composite - 8 Fish
Bottle Code: 11/5/2014 PDBB-4 LMB 01-08	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.36214 / -86.51637**

PTAC-1, Point A 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)	547	555	462	447	385
Length (inches)	21.54	21.85	18.19	17.60	15.16
Weight (g)	1,874	1,674	966	832	478
Weight (oz)	66.10	59.05	34.07	29.35	16.86
Sex/Age	M/7	M/6	F/5	F/5	F/5
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	.106	< .022	.41	< .022	< .022

	Composite - 5 Fish
Bottle Code: 9/30/2014 PTAC-1 CHC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.98
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.36214 / -86.51637**

PTAC-1, Point A 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)	422	370	448	415	439	361
Length (inches)	16.61	14.57	17.64	16.34	17.28	14.21
Weight (g)	990	734	1,360	1,012	1,100	664
Weight (oz)	34.92	25.89	47.97	35.70	38.80	23.42
Sex/Age	F/5	F/2	F/3	M/3	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14	09-30-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.86	.768	.225	.886	.142	.794

	Composite - 6 Fish
Bottle Code: 9/30/2014 PTAC-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.345
Mirex ug/g	< .01
Selenium ug/g	.28 JI
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.26196 / -86.76168**

SPLE-1, Sepulga R - Sepulga River in vicinity of Brooklyn, AL.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	316	305	317	321	322	287
Length (inches)	12.44	12.01	12.48	12.64	12.68	11.30
Weight (g)	360	294	328	360	324	230
Weight (oz)	12.70	10.37	11.57	12.70	11.43	8.11
Sex/Age	M	F	M	F	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.649	.226	.397	.365	.656	.274

	Composite - 6 Fish
Bottle Code: 11/18/2014 SPLE-1 BKR 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.145
Mirex ug/g	< .01
Selenium ug/g	.32 JI
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.26196 / -86.76168**

SPLE-1, Sepulga R - Sepulga River in vicinity of Brooklyn, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2
Length (mm)	468	460
Length (inches)	18.43	18.11
Weight (g)	1,088	1,124
Weight (oz)	38.38	39.65
Sex/Age	F/6	F/5
Age Method	Spine	Spine
Collection Date	11-18-14	11-18-14
Skin on Fillet	N	N
Lesions	Slight/Mild	
Mercury ug/g	.335	.403

	Composite - 2 Fish
Bottle Code: 11/18/2014 SPLE-1 CHC 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.74
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.26196 / -86.76168**

SPLE-1, Sepulga R - Sepulga River in vicinity of Brooklyn, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	302	246	245	266
Length (inches)	11.89	9.69	9.65	10.47
Weight (g)	352	182	186	234
Weight (oz)	12.42	6.42	6.56	8.25
Sex/Age	F/3	F/1	M/1	F/2
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N
Mercury ug/g	.541	.449	.453	.487

	Composite - 4 Fish
Bottle Code: 11/18/2014 SPLE-1 LMB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Escambia County **Lat/Lon: 31.26196 / -86.76168**

SPLE-1, Sepulga R - Sepulga River in vicinity of Brooklyn, AL.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	270	269
Length (inches)	10.63	10.59
Weight (g)	264	220
Weight (oz)	9.31	7.76
Sex/Age	M/3	F/3
Age Method	Otolith	Otolith
Collection Date	11-18-14	11-18-14
Skin on Fillet	N	N
Mercury ug/g	.534	.406

	Composite - 2 Fish
Bottle Code: 11/18/2014 SPLE-1 SPB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	.34 JI
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.51844 / -87.46286**

STXB-5, Styx R - Styx River near its confluence with Perdido River in the vicinity of US Hwy 90 bridge crossing.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	362	375	362	344
Length (inches)	14.25	14.76	14.25	13.54
Weight (g)	496	546	488	400
Weight (oz)	17.50	19.26	17.21	14.11
Sex/Age	M	M	M	M
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N
Mercury ug/g	.288	.315	.245	.209

	Composite - 4 Fish
Bottle Code: 11/18/2014 STXB-5 BKR 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.205
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.51844 / -87.46286**

STXB-5, Styx R - Styx River near its confluence with Perdido River in the vicinity of US Hwy 90 bridge crossing.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2
Length (mm)	405	295
Length (inches)	15.94	11.61
Weight (g)	544	170
Weight (oz)	19.19	6.00
Sex/Age	F/5	M/3
Age Method	Spine	Spine
Collection Date	11-18-14	11-18-14
Skin on Fillet	N	N
Mercury ug/g	.083	.154

	Composite - 2 Fish
Bottle Code: 11/18/2014 STXB-5 CHC 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.57
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.51844 / -87.46286**

STXB-5, Styx R - Styx River near its confluence with Perdido River in the vicinity of US Hwy 90 bridge crossing.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	455	485	225	300	232
Length (inches)	17.91	19.09	8.86	11.81	9.13
Weight (g)	832	1,682	140	328	168
Weight (oz)	29.35	59.33	4.94	11.57	5.93
Sex/Age	M/6	M/6	M/2	M/5	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-18-14	11-18-14	11-18-14	11-18-14	11-18-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	1.8	1.26	.7	1.29	1.01

	Composite - 5 Fish
Bottle Code: 11/18/2014 STXB-5 LMB 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Washington County **Lat/Lon: 31.26014 / -87.98753**

TOMW-2, Tombigbee R - Vicinity of McIntosh landing, river mile 60.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	368	395	382	285	300	285
Length (inches)	14.49	15.55	15.04	11.22	11.81	11.22
Weight (g)	818	944	770	302	330	302
Weight (oz)	28.85	33.30	27.16	10.65	11.64	10.65
Sex/Age	F/5	M/4	F/3	F/1	F/2	F/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.585	.354	.439	.132	.43	.114

Clarke County **Lat/Lon: 31.42906 / -87.91472**

TOMW-4, Tombigbee R - Approximately 9.3 miles downstream of US Hwy 43/Alabama Hwy 13 bridge. River miles 85.6-83.6.
Lat/Lon calculated at furthest downstream point (river mile 83.6).

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	357	350	345	295	280	300
Length (inches)	14.06	13.78	13.58	11.61	11.02	11.81
Weight (g)	592	630	550	322	302	406
Weight (oz)	20.88	22.22	19.40	11.36	10.65	14.32
Sex/Age	F/3	F/3	M/2	M/1	M/1	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14	12-10-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.394	.24	.248	.168	.172	.282

Russell County **Lat/Lon: 32.30436 / -84.95452**

GEOH-16, Uchee Ck (WF George) - Deepest point, main creek channel, Uchee Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	311	386	458
Length (inches)	12.24	15.20	18.03
Weight (g)	250	400	850
Weight (oz)	8.82	14.11	29.98
Sex/Age	F/3	M/4	M/4
Age Method	Spine	Spine	Spine
Collection Date	09-16-14	09-16-14	09-16-14
Skin on Fillet	N	N	N
Mercury ug/g	< .022	< .022	< .022

	Composite - 3 Fish
Bottle Code: 9/16/2014 GEOH-16 CHC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	2.235
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Russell County **Lat/Lon: 32.30436 / -84.95452**

GEOH-16, Uchee Ck (WF George) - Deepest point, main creek channel, Uchee Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	300	384	406	379	422	324
Length (inches)	11.81	15.12	15.98	14.92	16.61	12.76
Weight (g)	324	706	816	672	930	448
Weight (oz)	11.43	24.90	28.78	23.70	32.80	15.80
Sex/Age	F/2	F/2	F	M/3	F/5	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14	09-16-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.296	.518	.397	.567	.521	.369

	Composite - 6 Fish
Bottle Code: 9/16/2014 GEOH-16 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	< .1
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1, Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	590	299	355	341	652
Length (inches)	23.23	11.77	13.98	13.43	25.67
Weight (g)	2,088	200	352	304	2,686
Weight (oz)	73.65	7.05	12.42	10.72	94.75
Sex/Age	M/8	M/4	M/5	M/6	M/8
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	12-03-14	12-03-14	12-03-14	12-03-14	12-03-14
Skin on Fillet	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.075	.037	.037	.023	.048
Arochlor 1260 ug/g	.095	.037	.056	.024	.096
Total PCB's ug/g	.17	.074	.093	.047	.144
Lipid %	.785	.345	.805	.305	1.16

	Composite - 5 Fish
Bottle Code: 12/3/2014 WEIC-1 BLC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.545
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.26 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1, Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	312	310	442	447
Length (inches)	12.28	12.20	17.40	17.60
Weight (g)	420	464	1,420	1,418
Weight (oz)	14.82	16.37	50.09	50.02
Sex/Age	F/2	M/1	M/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	12-03-14	12-03-14	12-03-14	12-03-14
Skin on Fillet	N	N	N	N
Deformities	Moderate			
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.021	.044	.041	.036
Arochlor 1260 ug/g	.026	.046	.057	.054
Total PCB's ug/g	.047	.09	.098	.09
Lipid %	.155	.455	.215	.285

	Composite - 4 Fish
Bottle Code: 12/3/2014 WEIC-1 LMB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.36
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.45 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1, Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	367	392
Length (inches)	14.45	15.43
Weight (g)	636	770
Weight (oz)	22.43	27.16
Sex/Age	M/2	M/3
Age Method	Otolith	Otolith
Collection Date	12-03-14	12-03-14
Skin on Fillet	N	N
Arochlor 1016 ug/g	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05
Arochlor 1254 ug/g	.038	.049
Arochlor 1260 ug/g	.071	.078
Total PCB's ug/g	.109	.127
Lipid %	.325	.36

	Composite - 2 Fish
Bottle Code: 12/3/2014 WEIC-1 SPB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.515
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.42 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1, Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	498	565	745	523
Length (inches)	19.61	22.24	29.33	20.59
Weight (g)	1,558	2,012	4,344	1,566
Weight (oz)	54.96	70.97	153.23	55.24
Sex/Age	F/3	F/3	F/7	M/2
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	12-03-14	12-03-14	12-03-14	12-03-14
Skin on Fillet	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.086	.1	.044	.055
Arochlor 1260 ug/g	.167	.195	.413	.118
Total PCB's ug/g	.253	.295	.457	.173
Lipid %	1.135	1.47	.13	.73

	Composite - 4 Fish
Bottle Code: 12/3/2014 WEIC-1 STB 01-04	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.156
Arochlor 1260 ug/g	.14
Total PCB's ug/g	.296
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.765
Mercury ug/g	.136
Mirex ug/g	< .01
Selenium ug/g	.35 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12, Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	603	494	497
Length (inches)	23.74	19.45	19.57
Weight (g)	2,654	1,064	1,010
Weight (oz)	93.62	37.53	35.63
Sex/Age	M/10	M/8	F/8
Age Method	Spine	Spine	Spine
Collection Date	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.018	.023	.012
Arochlor 1260 ug/g	.234	.083	.162
Total PCB's ug/g	.252	.106	.174
Lipid %	.28	.315	.205

	Composite - 3 Fish
Bottle Code: 10/15/2014 WEIC-12 BLC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	.014
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.063
Arochlor 1260 ug/g	.106
Total PCB's ug/g	.169
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.19
Mercury ug/g	.125
Mirex ug/g	< .01
Selenium ug/g	.31 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12, Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	479	321	295
Length (inches)	18.86	12.64	11.61
Weight (g)	950	252	214
Weight (oz)	33.51	8.89	7.55
Sex/Age	F/7	M/5	M/4
Age Method	Spine	Spine	Spine
Collection Date	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.035	.023	.01
Arochlor 1260 ug/g	.479	.31	.086
Total PCB's ug/g	.514	.333	.096
Lipid %	1.095	.58	.22

	Composite - 3 Fish
Bottle Code: 10/15/2014 WEIC-12 CHC 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	.016
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.029
Arochlor 1260 ug/g	.119
Total PCB's ug/g	.148
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.335
Mercury ug/g	.105
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12, Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	373	395	435	366	389	457
Length (inches)	14.69	15.55	17.13	14.41	15.31	17.99
Weight (g)	712	928	1,268	764	890	1,620
Weight (oz)	25.12	32.73	44.73	26.95	31.39	57.14
Sex/Age	F/3	M/2	F/3	M/2	F/3	F/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-15-14	10-15-14	10-15-14	10-15-14	10-15-14	10-15-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	< .05	.071	< .05	< .05	< .05	< .05
Arochlor 1260 ug/g	.057	.068	.08	< .05	.059	.071
Total PCB's ug/g	.057	.139	.08	< .05	.059	.071
Lipid %	.31	.785	.49	.305	.54	4.355

	Composite - 6 Fish
Bottle Code: 10/15/2014 WEIC-12 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.355
Mercury ug/g	.16
Mirex ug/g	< .01
Selenium ug/g	.4 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12, Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2
Length (mm)	340	434
Length (inches)	13.39	17.09
Weight (g)	454	870
Weight (oz)	16.01	30.69
Sex/Age	F/1	F/1
Age Method	Otolith	Otolith
Collection Date	10-15-14	10-15-14
Skin on Fillet	N	N
Arochlor 1016 ug/g	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05
Arochlor 1254 ug/g	.073	.072
Arochlor 1260 ug/g	.055	.09
Total PCB's ug/g	.128	.162
Lipid %	1.805	.95

	Composite - 2 Fish
Bottle Code: 10/15/2014 WEIC-12 STB 01-02	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.12
Arochlor 1260 ug/g	.072
Total PCB's ug/g	.192
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.985
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.32 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20574 / -85.61049**

WEIC-2, Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	302	286	295	400	332	350
Length (inches)	11.89	11.26	11.61	15.75	13.07	13.78
Weight (g)	274	190	218	490	346	326
Weight (oz)	9.67	6.70	7.69	17.28	12.20	11.50
Sex/Age	F/5	M/4	F/5	F/5	F/5	M/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	.053	.038	.019	.049	.023	.027
Arochlor 1260 ug/g	.588	.209	.252	.001	.082	.125
Total PCB's ug/g	.641	.247	.271	.05	.105	.152
Lipid %	1.185	.775	.655	.355	.595	.15

	Composite - 6 Fish
Bottle Code: 10/16/2014 WEIC-2 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.077
Total PCB's ug/g	.077
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.375
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.26 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20574 / -85.61049**

WEIC-2, Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	380	445	378	379	356	362
Length (inches)	14.96	17.52	14.88	14.92	14.02	14.25
Weight (g)	802	1,354	794	906	512	686
Weight (oz)	28.29	47.76	28.01	31.96	18.06	24.20
Sex/Age	M/2	M/4	M/2	F/2	M/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05	< .05	< .05	< .05
Arochlor 1254 ug/g	< .05	.059	.093	.075	.032	< .05
Arochlor 1260 ug/g	.056	.093	.122	.106	.037	< .05
Total PCB's ug/g	.056	.152	.215	.181	.069	< .05
Lipid %	.27	.515	2.01	2.135	.445	.26

	Composite - 6 Fish
Bottle Code: 10/16/2014 WEIC-2 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.063
Total PCB's ug/g	.063
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.725
Mercury ug/g	.128
Mirex ug/g	< .01
Selenium ug/g	.38 JI
Toxaphene ug/g	< .05

Cherokee County **Lat/Lon: 34.20574 / -85.61049**

WEIC-2, Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	390	415	538
Length (inches)	15.35	16.34	21.18
Weight (g)	680	842	1,218
Weight (oz)	23.99	29.70	42.96
Sex/Age	M/1	F/1	F
Age Method	Otolith	Otolith	Otolith
Collection Date	10-16-14	10-16-14	10-16-14
Skin on Fillet	N	N	N
Arochlor 1016 ug/g	< .05	< .05	< .05
Arochlor 1221 ug/g	< .05	< .05	< .05
Arochlor 1232 ug/g	< .05	< .05	< .05
Arochlor 1242 ug/g	< .05	< .05	< .05
Arochlor 1248 ug/g	< .05	< .05	< .05
Arochlor 1254 ug/g	.051	.139	.048
Arochlor 1260 ug/g	.051	.141	.103
Total PCB's ug/g	.102	.28	.151
Lipid %	.975	2.04	.1

	Composite - 3 Fish
Bottle Code: 10/16/2014 WEIC-2 STB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	.108
Arochlor 1260 ug/g	.064
Total PCB's ug/g	.172
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.8
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.34 JI
Toxaphene ug/g	< .05

Chambers County **Lat/Lon: 32.93430 / -85.19175**

WESC-1, West Point 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)	453	480	427	406	390	390
Length (inches)	17.83	18.90	16.81	15.98	15.35	15.35
Weight (g)	772	1,030	636	544	546	556
Weight (oz)	27.23	36.33	22.43	19.19	19.26	19.61
Sex/Age	F/10	F/7	M/5	F/6	F/5	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/8/2014 WESC-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	.083
Total PCB's ug/g	.083
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	2.345
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.277 JI
Toxaphene ug/g	< .05

Chambers County **Lat/Lon: 32.93430 / -85.19175**

WESC-1, West Point Res - Lower reservoir. Deepest point, main river channel, dam forebay .

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	487	387	333
Length (inches)	19.17	15.24	13.11
Weight (g)	1,910	886	454
Weight (oz)	67.37	31.25	16.01
Sex/Age	F/3	F/2	M/1
Age Method	Otolith	Otolith	Otolith
Collection Date	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 9/8/2014 WESC-1 LMB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.665
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.381 JI
Toxaphene ug/g	< .05

Chambers County **Lat/Lon: 32.93430 / -85.19175**

WESC-1, West Point Res - Lower reservoir. Deepest point, main river channel, dam forebay .

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	484	354	345
Length (inches)	19.06	13.94	13.58
Weight (g)	1,288	680	634
Weight (oz)	45.43	23.99	22.36
Sex/Age	F/7	F/2	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	09-08-14	09-08-14	09-08-14
Skin on Fillet	N	N	N

	Composite - 3 Fish
Bottle Code: 9/8/2014 WESC-1 SPB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.455
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	.372 JI
Toxaphene ug/g	< .05

Henry County **Lat/Lon: 31.65700 / -85.08291**

GEOH-1, WF George Res - Deepest point, main river channel, dam forebay. Chattahoochee River mile 75.4.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	579	540	504	539	493	500
Length (inches)	22.80	21.26	19.84	21.22	19.41	19.69
Weight (g)	1,772	1,706	1,296	1,540	1,392	1,266
Weight (oz)	62.51	60.18	45.72	54.32	49.10	44.66
Sex/Age	F/6	M/6	F/6	M/5	F/6	M/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-1 CHC 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	3.83
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Henry County **Lat/Lon: 31.65700 / -85.08291**

GEOH-1, WF George Res - Deepest point, main river channel, dam forebay. Chattahoochee River mile 75.4.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	451	433	387	400	375	342
Length (inches)	17.76	17.05	15.24	15.75	14.76	13.46
Weight (g)	1,208	1,168	796	768	758	478
Weight (oz)	42.61	41.20	28.08	27.09	26.74	16.86
Sex/Age	F/3	M/6	M/4	M/3	F/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N
Mercury ug/g	.323	.309	.2	.358	.162	.604

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-1 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.35
Mercury ug/g	.488
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Russell County **Lat/Lon: 32.08178 / -85.05161**

GEOH-6, WF George Res - Upper reservoir. Deepest point, main river channel, immediately downstream of Florence Marina State Park.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	386	365	359	320	290
Length (inches)	15.20	14.37	14.13	12.60	11.42
Weight (g)	512	402	402	252	160
Weight (oz)	18.06	14.18	14.18	8.89	5.64
Sex/Age	F/5	M/5	M/4	M/5	Ukn/4
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N
Mercury ug/g	< .022	.219	.101	< .022	< .022

	Composite - 5 Fish
Bottle Code: 9/9/2014 GEOH-6 CHC 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.44
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Russell County **Lat/Lon: 32.08178 / -85.05161**

GEOH-6, WF George Res - Upper reservoir. Deepest point, main river channel, immediately downstream of Florence Marina State Park.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	435	344	357	367	314	330
Length (inches)	17.13	13.54	14.06	14.45	12.36	12.99
Weight (g)	1,128	590	552	644	392	506
Weight (oz)	39.79	20.81	19.47	22.72	13.83	17.85
Sex/Age	F/5	M/1	M/2	M/2	M/2	Ukn/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14	09-09-14
Skin on Fillet	N	N	N	N	N	N
Lesions						Slight/Mild
Mercury ug/g	.32	< .022	.293	< .022	< .022	.128

	Composite - 6 Fish
Bottle Code: 9/9/2014 GEOH-6 LMB 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.37
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.33150 / -87.59189**

WLFB-13, Wolf Bay - North of Mulberry Point.

Red Drum (Sciaenops ocellatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	412	442	475	461	486
Length (inches)	16.22	17.40	18.70	18.15	19.13
Weight (g)	642	876	1,124	974	1,190
Weight (oz)	22.65	30.90	39.65	34.36	41.98
Sex/Age	M/1	M/1	F/1	M/1	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N	N

	Composite - 5 Fish
Bottle Code: 11/4/2014 WLFB-13 RDD 01-05	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	.39 JI
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.11
Mercury ug/g	.227
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Baldwin County **Lat/Lon: 30.33150 / -87.59189**

WLFB-13, Wolf Bay - North of Mulberry Point.

Southern Flounder (Paralichthys lethostigma)

	Fish 1	
Length (mm)	371	
Length (inches)	14.61	
Weight (g)	638	
Weight (oz)	22.50	
Sex/Age	F/1	
Age Method	Otolith	
Collection Date	11-04-14	
Skin on Fillet	N	
2,4-DDD ug/g	< .01	
2,4-DDE ug/g	< .01	
2,4-DDT ug/g	< .01	
4,4-DDD ug/g	< .01	
4,4-DDE ug/g	< .01	
4,4-DDT ug/g	< .01	
Arochlor 1016 ug/g	< .05	
Arochlor 1221 ug/g	< .05	
Arochlor 1232 ug/g	< .05	
Arochlor 1242 ug/g	< .05	
Arochlor 1248 ug/g	< .05	
Arochlor 1254 ug/g	< .05	
Arochlor 1260 ug/g	< .05	
Total PCB's ug/g	< .05	
Arsenic ug/g	.45	JI
Cadmium ug/g	< .0098	
Chlordane ug/g	< .01	
Dursban(chlorpyrifos) ug/g	< .01	
Dieldrin ug/g	< .01	
Endosulfan I ug/g	< .01	
Endosulfan II ug/g	< .01	
Endrin ug/g	< .01	
Heptachlor ug/g	< .01	
Heptachlor-epoxide ug/g	< .01	
Hexachlorobenzene ug/g	< .05	
Lindane (gamma BHC) ug/g	< .01	
Lipid %	.41	
Mercury ug/g	< .022	
Mirex ug/g	< .01	
Selenium ug/g	< .2645	
Toxaphene ug/g	< .05	

Baldwin County **Lat/Lon: 30.33150 / -87.59189**

WLFB-13, Wolf Bay - North of Mulberry Point.

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	335	369	400	367	360	370
Length (inches)	13.19	14.53	15.75	14.45	14.17	14.57
Weight (g)	416	558	646	612	558	626
Weight (oz)	14.67	19.68	22.79	21.59	19.68	22.08
Sex/Age	F/2	F/3	F/4	F/3	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14	11-04-14
Skin on Fillet	N	N	N	N	N	N

	Composite - 6 Fish
Bottle Code: 11/4/2014 WLFB-13 STM 01-06	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.98
Mercury ug/g	< .022
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.01070 / -86.53750**

YERC-3, Yellow R - Deepest point, main river channel, at Covington Co Rd 4 bridge.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3
Length (mm)	374	326	335
Length (inches)	14.72	12.83	13.19
Weight (g)	520	376	368
Weight (oz)	18.34	13.26	12.98
Sex/Age	F	F	F
Age Method	N/A	N/A	N/A
Collection Date	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N
Mercury ug/g	.188	.166	.328

	Composite - 3 Fish
Bottle Code: 10/28/2014 YERC-3 BKR 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.27
Mirex ug/g	< .01
Selenium ug/g	.34 JI
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.01070 / -86.53750**

YERC-3, Yellow R - Deepest point, main river channel, at Covington Co Rd 4 bridge.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	323	399	316
Length (inches)	12.72	15.71	12.44
Weight (g)	486	880	432
Weight (oz)	17.14	31.04	15.24
Sex/Age	M/2	F/5	F/2
Age Method	Otolith	Otolith	Otolith
Collection Date	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N
Mercury ug/g	.524	1.007	.439

	Composite - 3 Fish
Bottle Code: 10/28/2014 YERC-3 LMB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.25
Mirex ug/g	< .01
Selenium ug/g	.29 JI
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.01070 / -86.53750**

YERC-3, Yellow R - Deepest point, main river channel, at Covington Co Rd 4 bridge.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	364	333	365
Length (inches)	14.33	13.11	14.37
Weight (g)	564	460	714
Weight (oz)	19.89	16.23	25.19
Sex/Age	F/6	F/6	F/5
Age Method	Otolith	Otolith	Otolith
Collection Date	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N
Mercury ug/g	.749	.712	.178

	Composite - 3 Fish
Bottle Code: 10/28/2014 YERC-3 SPB 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.575
Mirex ug/g	< .01
Selenium ug/g	< .2645
Toxaphene ug/g	< .05

Covington County **Lat/Lon: 31.01070 / -86.53750**

YERC-3, Yellow R - Deepest point, main river channel, at Covington Co Rd 4 bridge.

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2	Fish 3
Length (mm)	409	315	394
Length (inches)	16.10	12.40	15.51
Weight (g)	730	332	664
Weight (oz)	25.75	11.71	23.42
Sex/Age	M	M	M
Age Method	N/A	N/A	N/A
Collection Date	10-28-14	10-28-14	10-28-14
Skin on Fillet	N	N	N
Mercury ug/g	.181	.156	.334

	Composite - 3 Fish
Bottle Code: 10/28/2014 YERC-3 SPS 01-03	
2,4-DDD ug/g	< .01
2,4-DDE ug/g	< .01
2,4-DDT ug/g	< .01
4,4-DDD ug/g	< .01
4,4-DDE ug/g	< .01
4,4-DDT ug/g	< .01
Arochlor 1016 ug/g	< .05
Arochlor 1221 ug/g	< .05
Arochlor 1232 ug/g	< .05
Arochlor 1242 ug/g	< .05
Arochlor 1248 ug/g	< .05
Arochlor 1254 ug/g	< .05
Arochlor 1260 ug/g	< .05
Total PCB's ug/g	< .05
Arsenic ug/g	< .2098
Cadmium ug/g	< .0098
Chlordane ug/g	< .01
Dursban(chlorpyrifos) ug/g	< .01
Dieldrin ug/g	< .01
Endosulfan I ug/g	< .01
Endosulfan II ug/g	< .01
Endrin ug/g	< .01
Heptachlor ug/g	< .01
Heptachlor-epoxide ug/g	< .01
Hexachlorobenzene ug/g	< .05
Lindane (gamma BHC) ug/g	< .01
Lipid %	.22
Mirex ug/g	< .01
Selenium ug/g	.3 JI
Toxaphene ug/g	< .05

*ADEM Qualifiers **

JI - Estimated/Between MDL & PQL

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