ADEM Fish Tissue Monitoring Program 2019 Annual Report

Chattahoochee, Pea and Choctawhatchee River Basins and additional Coastal sites

August 6, 2020

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 a statewide screening of bioaccumulative contaminants in fish tissue. The expanded program was designed to provide the Alabama Department of Public Health (ADPH) with the 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 was 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.

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 and
c) sampling remaining areas in Alabama where fish have not been collected for the FTMP.

Repetitive sampling of sites where EPA/FDA action levels had been exceeded proceeded as follows:

a) Sites that exceeded EPA/FDA limits for the first time the previous year were 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 existed were sampled at a minimum of every three years to provide data for analysis of trends in contaminant concentrations.

In June 2006 the ADPH adopted the EPA guidance level of 0.33 ug/g mercury in fish for issuance of public consumption advisories, replacing the FDA guidance level of 1.0 ug/g previously used.

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

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

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

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

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

Since the adoption of the lower EPA guidance level for mercury in 2006 the number of sample locations with consumption advisories for mercury has steadily increased. The combination of this increase in advisory locations with the three year basin rotation instituted in 2015 has caused an increase in the number of yearly sample locations to a point that has become unsustainable due to laboratory limitations as well as funding constraints. In order to maximize available laboratory resources, as well as streamline data reporting, the program was further modified in 2017 as follows. Beginning in 2017 annual fish tissue sampling will be directed toward accomplishing three main goals:

a) Sampling locations throughout the focus basin,
b) Repetitive sampling of sites within the focus basin where the ADPH has determined that EPA/FDA action limits have been exceeded,

c) Sampling remaining areas in Alabama where fish have not been collected for the FTMP or other areas of concern as they arise.

Each major drainage basin will be monitored once on a five-year rotating basis. The basin rotation will be as follows:

a) Black Warrior and Cahaba Rivers (2017)
b) Tennessee River (2018)
c) Perdido-Escambia, Choctawhatchee, Pea and Chattahoochee Rivers (2019)
d) Alabama, Coosa and Tallapoosa Rivers (2020)
e) Mobile and Tombigbee Rivers (2021)

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

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

METHODS

Fish sampling and tissue preparation procedures for the FTMP are as described in the ADEM documents: *Fish Tissue Monitoring Program Sample Collection Procedures (SOP #2300*), *Fish Tissue Monitoring Program Sample Processing and Data Reporting Procedures (SOP# 2301)* and *Fish Tissue Monitoring Program Non-Lethal Biopsy Plug Sample Collection and Processing Procedures (SOP#2302).*

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. Tissue samples are collected as described in the ADEM documents *SOP#2301* and *SOP#2302* and

packaged for laboratory analysis (Table 1) and/or storage as needed. Otoliths and/or spines are removed from the carcass if available and preserved for age determinations.

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

Parameter	Method	RL	MDL	FDA Guidance Level	EPA Guidance Level
Arsenic, Total	EPA200.9	0.5 ug/g	0.177 ug/g		
Cadmium	EPA200.9	0.02 ug/g	0.005 ug/g		
Mercury, Total	EPA245.6	0.1 ug/g	0.015 ug/g	1.0 ug/g	0.33 ug/g
Selenium, Total	EPA200.9	0.5 ug/g	0.144 ug/g		
Chlordane, Total	SW8081A	0.01 ug/g		0.3 ug/g	
4,4-DDD	SW8081A	0.01 ug/g			
4,4-DDE	SW8081A	0.01 ug/g			
4,4-DDT	SW8081A	0.01 ug/g		Total DDT 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	0.125 ug/g			
Arochlor 1221	SW8082	0.125 ug/g			
Arochlor 1232	SW8082	0.125 ug/g			
Arochlor 1242	SW8082	0.125 ug/g			
Arochlor 1248	SW8082	0.125 ug/g			
Arochlor 1254	SW8082	0.125 ug/g			
Arochlor 1260	SW8082	0.125 ug/g			
Total PCBs	SW8082	0.35 ug/g		2.0 ug/g	
Toxaphene	SW8081A	0.05 ug/g		5.0 ug/g	
Percent lipids	SW3640A	0.10%			

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

RESULTS

From September through December 2019, 516 fish (17 different species) from 45 locations (Figure 1 and Table 2) were collected, processed and analyzed for the FTMP. Thirty-eight different waterbodies were sampled. Twenty-seven locations with current consumption advisories for mercury were sampled. To date, samples comprised of several thousand fish have been collected from 388 sites for the FTMP. Analytical results for the 2019 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 2019 FTMP sample locations.

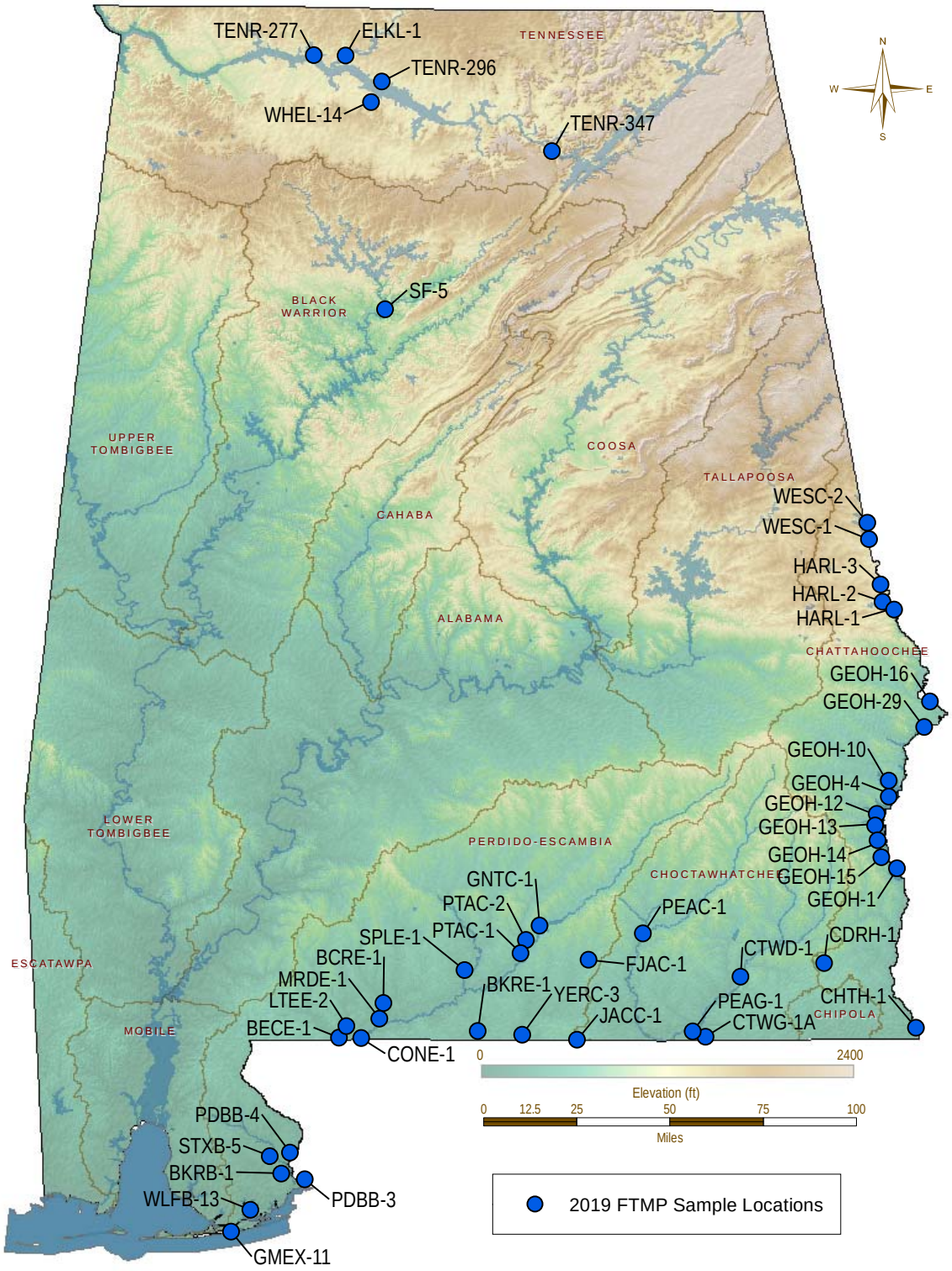

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Black Warrior	Sipsey Fk	SF-5	Walker	Blacktail redhorse Largemouth bass	Sipsey Fork, approximately 1 mile upstream of the confluence with the Mulberry Fork.
Blackwater	Blackwater R	BKRE-1	Escambia	Spotted bass Spotted sucker Blacktail redhorse	Deepest point, main river channel, approximately 0.5 miles upstream of Escambia Co. Rd. 4.
Chattahoochee	Barbour Ck (WF George)	GEOH-12	Barbour	Channel catfish Largemouth bass	Barbour Creek embayment of Walter F. George Reservoir approximately 0.2 mile downstream of U.S. Hwy 431, deepest point, main channel.
Chattahoochee	Cedar Ck	CDRH-1	Houston	Largemouth bass Spotted sucker	Cedar Creek north of Dothan at U.S. Hwy 431.
Chattahoochee	Chattahoochee R	CHTH-1	Houston	Channel catfish Largemouth bass	Deepest point, main river channel, near Alabama/Florida state line.
Chattahoochee	Chattahoochee R	GEOH-29	Russell	Channel catfish Largemouth bass	Chattahoochee River 4.2 miles upstream of the Bluff Creek access area, Bluff Creek/Chattahoochee River confluence. 2.0 miles downstream of the Ihagee Creek/Chattahoochee River confluence.
Chattahoochee	Cheneyhatchee Ck (WF George)	GEOH-13	Barbour	Channel catfish Largemouth bass	Deepest point, main channel Cheneyhatchee Creek embayment.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Chattahoochee	Cowikee Ck (WF George)	GEOH-10	Barbour	Channel catfish Largemouth bass Blue catfish	Deepest point, main channel, Cowikee Creek embayment.
Chattahoochee	Halawakee Ck (Harding)	HARL-2	Lee	Channel catfish Largemouth bass	Deepest point, main creek channel, Halawakee Creek embayment.
Chattahoochee	Harding Res	HARL-1	Lee	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Chattahoochee	Osanippa Ck (Harding)	HARL-3	Lee	Channel catfish Largemouth bass	Deepest point, main channel, Osanippa Creek embayment.
Chattahoochee	Thomas Mill Ck (WF George)	GEOH-15	Henry	Channel catfish Largemouth bass	Deepest point, main channel Thomas Mill Creek embayment.
Chattahoochee	Uchee Ck (WF George)	GEOH-16	Russell	Channel catfish Largemouth bass Spotted bass	Deepest point, main creek channel, Uchee Creek embayment.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Chattahoochee	West Point Res	WESC-1	Chambers	Channel catfish Spotted bass Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay .
Chattahoochee	West Point Res	WESC-2	Troup	Channel catfish Largemouth bass Spotted bass	Deepest point, main creek channel, immediately downstream of Wehadkee/Veasey/Stroud Creeks confluence.
Chattahoochee	WF George Res	GEOH-1	Henry	Channel catfish Largemouth bass	Deepest point, main river channel, dam forebay. Chattahoochee River mile 75.4.
Chattahoochee	WF George Res	GEOH-4	Barbour	Channel catfish Largemouth bass	Mid reservoir. Deepest point, main river channel, approximately 0.25 miles upstream of U.S. Highway 82 causeway.
Chattahoochee	White Oak Ck (WF George)	GEOH-14	Barbour	Channel catfish Largemouth bass	Deepest point, main channel White Oak Creek embayment.
Choctawhatchee	Choctawhatchee R	CTWD-1	Dale	Channel catfish Largemouth bass Redear sunfish Spotted bass	Deepest point, main river channel, approximately 0.5 miles downstream of Little Choctawhatchee confluence, near State Hwy 92.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Choctawhatchee	Choctawhatchee R	CTWG-1A	Geneva	Channel catfish Largemouth bass Redear sunfish Spotted bass	Choctawhatchee River 1.5 mi above the AL/FL state line approximately 3 miles downstream of Geneva, AL.
Choctawhatchee	Pea R	PEAC-1	Coffee	Channel catfish Largemouth bass Spotted bass	Deepest point, main river channel, approximately 0.5 miles downstream of Beaverdam Creek/Pea River confluence, south of Elba, AL.
Choctawhatchee	Pea R	PEAG-1	Geneva	Channel catfish Largemouth bass Spotted bass	Deepest point, main river channel, approximately 0.5 miles upstream of the confluence with Choctawhatchee River.
Escambia	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.
Escambia	Burnt Corn Ck	BCRE-1	Escambia	Largemouth bass Blacktail redhorse Spotted bass Spotted sucker	Burnt Corn Creek in the vicinity of U.S. Hwy 31.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Escambia	Conecuh R	CONE-1	Escambia	Channel catfish Largemouth bass	Deepest point, main river channel, at Alabama/Florida state line.
Escambia	Gantt Res	GNTC-1	Covington	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Escambia	Little Escambia Ck	LTEE-2	Escambia	Largemouth bass Blacktail redhorse Spotted bass Spotted sucker	Little Escambia Creek at Wolf Log Rd.
Escambia	Murder Ck	MRDE-1	Escambia	Channel catfish Largemouth bass Spotted bass	Between confluence with Burnt Corn Creek and Conecuh River.
Escambia	Patsaliga Ck (Point A)	PTAC-2	Covington	Channel catfish Largemouth bass	Deepest point, main channel, Patsaliga Creek embayment.
Escambia	Point A Res	PTAC-1	Covington	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Escambia	Sepulga R	SPLE-1	Escambia	Channel catfish Spotted bass	Sepulga River in vicinity of Brooklyn, AL.
Mobile	Gulf Of Mexico	GMEX-11	Baldwin	King mackerel	Gulf of Mexico at the Gulf State Pier.
Perdido	Blackwater R	BKRB-1	Baldwin	Largemouth bass Striped mullet	Area between mouth of river and powerline crossing southeast of Robertsdale, AL.
Perdido	Perdido Bay	PDBB-3	Baldwin	Speckled trout	Perdido Bay at mid-channel south of Chambers Point. Fish tissue location near Grassy Point and Chambers Point.
Perdido	Perdido R	PDBB-4	Baldwin	Blacktail redhorse Largemouth bass	Perdido River at U.S. Hwy 90.
Perdido	Styx R	STXB-5	Baldwin	Striped mullet Largemouth bass	Styx River near its confluence with Perdido River in the vicinity of U.S. Hwy 90 bridge crossing.
Perdido	Wolf Bay	WLFB-13	Baldwin	Red drum Atlantic croaker Gafftopsail catfish Hardhead catfish Speckled trout Sand seatrout	North of Mulberry Point.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tennessee	Elk R (Wheeler)	ELKL-1	Lauderdale	Channel catfish Largemouth bass	Elk River embayment approximately river mile 6 (NE 1/4, Sec 12).
Tennessee	Fox Ck (Wheeler)	WHEL-14	Lawrence	Largemouth bass Channel catfish	Fox creek embayment of Wheeler Reservoir.
Tennessee	Wheeler Res	TENR-277	Lauderdale	Channel catfish Largemouth bass	Upstream of the dam at Tennessee River mile 277.0, near the confluence of First Creek with the main channel.
Tennessee	Wheeler Res	TENR-296	Limestone	Channel catfish Largemouth bass	Mid station, main river channel, Tennessee River mile 296.
Tennessee	Wheeler Res	TENR-347	Marshall	Channel catfish Largemouth bass	Wheeler Reservoir, Tennessee River mile 347, 2.0 miles downstream of Guntersville dam.
Yellow	Frank Jackson Res	FJAC-1	Covington	Largemouth bass Spotted sucker Creek chubsucker Spotted bullhead	Deepest point, main creek channel, dam forebay.
Yellow	L Jackson	JACC-1	Covington	Largemouth bass	Approximate center of lake.

Table 2. CY 2019 FTMP sample location information; basin, locale, station ID, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Yellow	Yellow R	YERC-3	Covington	Blacktail redhorse Largemouth bass Spotted bass Channel catfish Spotted sucker	Deepest point, main river channel, at Covington Co. Rd. 4 bridge.

Table 3. CY 2019 Fish Tissue Monitoring Program analytical results.

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 U.S. Hwy 431, deepest point, main channel.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	456	360	399	405	486	392
Length (inches)	17.95	14.17	15.71	15.94	19.13	15.43
Weight (g)	872	390	572	612	1,038	438
Weight (oz)	30.76	13.76	20.18	21.59	36.61	15.45
Sex/Age	M/4	M/4	F/4	M/4	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.234	.156	.188	.195	.172	.174

	Composite - 6 Fish
Bottle Code: 10/9/2019 GEOH-12 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.83
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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 U.S. Hwy 431, deepest point, main channel.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	417	440	350	351	333	320
Length (inches)	16.42	17.32	13.78	13.82	13.11	12.60
Weight (g)	1,086	1,322	606	648	536	448
Weight (oz)	38.31	46.63	21.38	22.86	18.91	15.80
Sex/Age	F/3	F/3	F/2	F/2	M/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.367	.242	.234	.18	.221	.224

	Composite - 6 Fish
Bottle Code: 10/9/2019 GEOH-12 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.585
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	603	528	426	420	397	407
Length (inches)	23.74	20.79	16.77	16.54	15.63	16.02
Weight (g)	2,240	1,340	610	530	440	480
Weight (oz)	79.01	47.27	21.52	18.70	15.52	16.93
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-06-19	11-06-19	11-06-19	11-06-19	11-06-19	11-06-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.457	.615	.19	.137	.147	.146

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	255	220	336	335
Length (inches)	10.04	8.66	13.23	13.19
Weight (g)	190	140	450	450
Weight (oz)	6.70	4.94	15.87	15.87
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	11-06-19	11-06-19	11-06-19	11-06-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.974	.423	.877	1.27

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	358	210
Length (inches)	14.09	8.27
Weight (g)	630	110
Weight (oz)	22.22	3.88
Sex/Age		
Age Method	N/A	N/A
Collection Date	11-06-19	11-06-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	1.46	.718

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)	190	391	391	296	262	221
Length (inches)	7.48	15.39	15.39	11.65	10.31	8.70
Weight (g)	70	790	740	280	180	120
Weight (oz)	2.47	27.87	26.10	9.88	6.35	4.23
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.93	1.08	1.14	1.08	.619	.404

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	323	297	301	297	292	256
Length (inches)	12.72	11.69	11.85	11.69	11.50	10.08
Weight (g)	240	140	260	250	220	190
Weight (oz)	8.47	4.94	9.17	8.82	7.76	6.70
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.041 JI	.028 JI	< .027 JI	.027 JI	< .027	< .027

Escambia County **Lat/Lon: 31.02656 / -86.71001**

BKRE-1, Blackwater R - Deepest point, main river channel, approximately 0.5 miles upstream of Escambia Co. Rd. 4.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1
Length (mm)	319
Length (inches)	12.56
Weight (g)	270
Weight (oz)	9.52
Sex/Age	
Age Method	N/A
Collection Date	11-20-19
Skin on Fillet	N
MERCURY, TOTAL ug/g	.65

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	355	336	300	320	265	284
Length (inches)	13.98	13.23	11.81	12.60	10.43	11.18
Weight (g)	590	520	390	450	270	310
Weight (oz)	20.81	18.34	13.76	15.87	9.52	10.93
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-20-19	11-20-19	11-20-19	11-20-19	11-20-19	11-20-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	1.94	1.07	1.08	1.22	.783	.934

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2	Fish 3
Length (mm)	315	330	376
Length (inches)	12.40	12.99	14.80
Weight (g)	270	300	560
Weight (oz)	9.52	10.58	19.75
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-20-19	11-20-19	11-20-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.408	.296	.387

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

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

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3
Length (mm)	248	257	253
Length (inches)	9.76	10.12	9.96
Weight (g)	144	162	120
Weight (oz)	5.08	5.71	4.23
Sex/Age	M	M	F
Age Method	N/A	N/A	N/A
Collection Date	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.091 JI	.13	.171

	Composite - 3 Fish
Bottle Code: 11/5/2019 BCRE-1 BKR 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.135
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Escambia County **Lat/Lon: 31.10090 / -87.0763(**

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

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	339	268
Length (inches)	13.35	10.55
Weight (g)	568	268
Weight (oz)	20.04	9.45
Sex/Age	F/4	F/3
Age Method	Otolith	Otolith
Collection Date	11-05-19	11-05-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.862	.347

	Composite - 2 Fish	
Bottle Code: 11/5/2019 BCRE-1 LMB 01-02		
2,4'-DDD ug/g	< .0009	JQ1
2,4'-DDE ug/g	< .0014	JQ1
2,4'-DDT ug/g	< .0013	JQ1
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	< .0032	JQ1
4,4'-DDT ug/g	< .0013	JQ1
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	JQ1
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	JQ2
CHLORPYRIFOS ug/g	< .0017	JQ1
DIELDRIN ug/g	< .0023	JQ1
ENDOSULFAN I ug/g	< .001	JQ1
ENDOSULFAN II ug/g	< .0015	JQ1
ENDRIN ug/g	< .0022	JQ1
HEPTACHLOR ug/g	< .002	JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ1
HEXACHLOROBENZENE ug/g	< .0014	JQ1
LINDANE ug/g	< .0022	JQ1
LIPIDS %	.22	
MIREX ug/g	< .0032	JQ1
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	329	256	227	245
Length (inches)	12.95	10.08	8.94	9.65
Weight (g)	460	216	156	164
Weight (oz)	16.23	7.62	5.50	5.78
Sex/Age	M/5	M/3	F/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.595	.435	.919	.208

	Composite - 4 Fish
Bottle Code: 11/5/2019 BCRE-1 SPB 01-04	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.36
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Escambia County **Lat/Lon: 31.10090 / -87.0763(**

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

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2	Fish 3
Length (mm)	355	311	257
Length (inches)	13.98	12.24	10.12
Weight (g)	488	288	176
Weight (oz)	17.21	10.16	6.21
Sex/Age	F	M	F
Age Method	N/A	N/A	N/A
Collection Date	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.115	.114	.297

	Composite - 3 Fish
Bottle Code: 11/5/2019 BCRE-1 SPS 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.23
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Houston County **Lat/Lon: 31.28917 / -85.36528**

CDRH-1, Cedar Ck - Cedar Creek north of Dothan at U.S. Hwy 431.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	334	365	383	411	369	349
Length (inches)	13.15	14.37	15.08	16.18	14.53	13.74
Weight (g)	452	667	744	818	602	576
Weight (oz)	15.94	23.53	26.24	28.85	21.23	20.32
Sex/Age	F/3	F/4	F/4	M/10	F/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.596	.881	.763	1.71	.681	.321

	Composite - 6 Fish
Bottle Code: 11/19/2019 CDRH-1 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	< .1
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Houston County **Lat/Lon: 31.28917 / -85.36528**

CDRH-1, Cedar Ck - Cedar Creek north of Dothan at U.S. Hwy 431.

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	311	360	352	326	340	346
Length (inches)	12.24	14.17	13.86	12.83	13.39	13.62
Weight (g)	352	482	466	372	422	410
Weight (oz)	12.42	17.00	16.44	13.12	14.89	14.46
Sex/Age	F	M	F	F	M	F
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.179	.215	.257	.133	.161	.174

	Composite - 6 Fish
Bottle Code: 11/19/2019 CDRH-1 SPS 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0037 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.135
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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	Fish 4	Fish 5	Fish 6
Length (mm)	531	426	506	387	522	446
Length (inches)	20.91	16.77	19.92	15.24	20.55	17.56
Weight (g)	1,622	794	1,230	618	1,456	732
Weight (oz)	57.21	28.01	43.39	21.80	51.36	25.82
Sex/Age	M/4	F/4	F/4	F/3	M/4	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild				Moderate	Slight/Mild
MERCURY, TOTAL ug/g	.06 JI	.069 JI	.07 JI	.062 JI	.102	.089 JI

	Composite - 6 Fish
Bottle Code: 10/16/2019 CHTH-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0034 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.93
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	383	305	387	334	310	331
Length (inches)	15.08	12.01	15.24	13.15	12.20	13.03
Weight (g)	690	410	922	504	462	514
Weight (oz)	24.34	14.46	32.52	17.78	16.30	18.13
Sex/Age	M/3	M/2	F/7	M/3	M/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.215	.338	.621	.33	.305	.491

	Composite - 6 Fish
Bottle Code: 10/16/2019 CHTH-1 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.795
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Russell County **Lat/Lon: 32.20535 / -84.97737**

GEOH-29, Chattahoochee R - Chattahoochee River 4.2 miles upstream of the Bluff Creek access area, Bluff Creek/Chattahoochee River confluence. 2.0 miles downstream of the Ihagee Creek/Chattahoochee River confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	455	427	515	470	444	415
Length (inches)	17.91	16.81	20.28	18.50	17.48	16.34
Weight (g)	842	642	1,160	988	640	580
Weight (oz)	29.70	22.65	40.92	34.85	22.58	20.46
Sex/Age	M/4	M/5	M/5	M/5	M/4	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-14-19	11-14-19	11-14-19	11-14-19	11-14-19	11-14-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild	Slight/Mild	Slight/Mild	Slight/Mild		Slight/Mild
2,4'-DDD ug/g	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1	< .0032 JQ1	.0064 JQ1I	< .0032 JQ1	.0038 JQ1I	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049	< .049	< .049	< .049	< .049	< .049
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .027	< .027	< .027	< .027	< .027	< .027
AROCHLOR 1260 ug/g	< .042	< .042	< .042	< .042	< .042	< .042
PCB'S, TOTAL ug/g	< .049	< .049	< .049	< .049	< .049	< .049
ARSENIC, TOTAL ug/g	< .065	< .065	< .065	< .065	< .065	< .065
CADMIUM, TOTAL ug/g	< .0817	< .0817	< .0817	< .0817	< .0817	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1
LIPIDS %	.68	.27	1.305	.2	.585	.53
MERCURY, TOTAL ug/g	.132	.112	.102	.163	.1	.059 JI
MIREX ug/g	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081	< .081	< .081	< .081	< .081	< .081
TOXAPHENE ug/g	< .0051	< .0051	< .0051	< .0051	< .0051	< .0051

Russell County **Lat/Lon: 32.20535 / -84.97737**

GEOH-29, Chattahoochee R - Chattahoochee River 4.2 miles upstream of the Bluff Creek access area, Bluff Creek/Chattahoochee River confluence. 2.0 miles downstream of the Ihagee Creek/Chattahoochee River confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	365	340	460	356	375
Length (inches)	16.14	14.37	13.39	18.11	14.02	14.76
Weight (g)	1,044	696	626	1,458	706	668
Weight (oz)	36.83	24.55	22.08	51.43	24.90	23.56
Sex/Age	M/3	F/2	F/3	M/6	M/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-14-19	11-14-19	11-14-19	11-14-19	11-14-19	11-14-19
Skin on Fillet	N	N	N	N	N	N
2,4'-DDD ug/g	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	.0076 JQ1I	.0032 JQ1I	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049	< .049	< .049	< .049	< .049	< .049
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .027	< .027	< .027	< .027	< .027	< .027
AROCHLOR 1260 ug/g	< .042	< .042	< .042	< .042	< .042	< .042
PCB'S, TOTAL ug/g	< .049	< .049	< .049	< .049	< .049	< .049
ARSENIC, TOTAL ug/g	< .065	< .065	< .065	< .065	< .065	< .065
CADMIUM, TOTAL ug/g	< .0817	< .0817	< .0817	< .0817	< .0817	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1	< .0022 JQ1
LIPIDS %	.8	.34	.405	.285	.67	.165
MERCURY, TOTAL ug/g	.297	.164	.247	.583	.17	.208
MIREX ug/g	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081	< .081	< .081	< .081	< .081	< .081
TOXAPHENE ug/g	< .0051	< .0051	< .0051	< .0051	< .0051	< .0051

Barbour County **Lat/Lon: 31.83000 / -85.16759**

GEOH-13, Cheneyhatchee Ck (WF George) - Deepest point, main channel Cheneyhatchee Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	527	571	609	472	445	402
Length (inches)	20.75	22.48	23.98	18.58	17.52	15.83
Weight (g)	1,494	2,032	1,762	937	739	496
Weight (oz)	52.70	71.68	62.15	33.05	26.07	17.50
Sex/Age	F/4	M/5	F/6	F/4	M/4	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites			Slight/Mild			
MERCURY, TOTAL ug/g	.201	.177	.285	.231	.123	.154

	Composite - 6 Fish
Bottle Code: 10/9/2019 GEOH-13 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.065
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Barbour County **Lat/Lon: 31.83000 / -85.16759**

GEOH-13, Cheneyhatchee Ck (WF George) - Deepest point, main channel Cheneyhatchee Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	446	498	435	390	358	324
Length (inches)	17.56	19.61	17.13	15.35	14.09	12.76
Weight (g)	1,403	1,762	1,415	889	470	462
Weight (oz)	49.49	62.15	49.91	31.36	16.58	16.30
Sex/Age	F/3	F/5	M/6	M/4	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.333	.512	.402	.276	.261	.25

	Composite - 6 Fish
Bottle Code: 10/9/2019 GEOH-13 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0044 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.77
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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	Fish 6
Length (mm)	515	565	465	420	447	497
Length (inches)	20.28	22.24	18.31	16.54	17.60	19.57
Weight (g)	1,120	1,610	870	610	610	1,000
Weight (oz)	39.51	56.79	30.69	21.52	21.52	35.27
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.369	.411	.3	.111	.143	.175

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	282	301
Length (inches)	11.10	11.85
Weight (g)	260	300
Weight (oz)	9.17	10.58
Sex/Age		
Age Method	N/A	N/A
Collection Date	10-10-19	10-10-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.405	.493

Redear Sunfish (Lepomis microlophus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	224	185	186	212	226	213
Length (inches)	8.82	7.28	7.32	8.35	8.90	8.39
Weight (g)	200	120	110	160	210	170
Weight (oz)	7.05	4.23	3.88	5.64	7.41	6.00
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.252	.166	.244	.312	.156	.338

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	380	295	255	276
Length (inches)	14.96	11.61	10.04	10.87
Weight (g)	680	270	180	250
Weight (oz)	23.99	9.52	6.35	8.82
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.984	.619	.554	.414

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)	350	438	500	461	365	346
Length (inches)	13.78	17.24	19.69	18.15	14.37	13.62
Weight (g)	310	530	1,000	870	320	260
Weight (oz)	10.93	18.70	35.27	30.69	11.29	9.17
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19
Skin on Fillet	N	N	N	N	N	N
External Parasite		Slight/Mild				
MERCURY, TOTAL ug/g	.129	.231	.135	.152	.082 JI	.09 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	222	350	291	401
Length (inches)	8.74	13.78	11.46	15.79
Weight (g)	140	460	330	830
Weight (oz)	4.94	16.23	11.64	29.28
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	10-16-19	10-16-19	10-16-19	10-16-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.207	.68	.351	.476

Redear Sunfish (Lepomis microlophus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	150	230	226	231	208	211
Length (inches)	5.91	9.06	8.90	9.09	8.19	8.31
Weight (g)	50	230	170	220	160	150
Weight (oz)	1.76	8.11	6.00	7.76	5.64	5.29
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19	10-16-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.134	.223	.44	.222	.178	.149

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2
Length (mm)	295	340
Length (inches)	11.61	13.39
Weight (g)	370	480
Weight (oz)	13.05	16.93
Sex/Age		
Age Method	N/A	N/A
Collection Date	10-16-19	10-16-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.331	.252

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	Fish 5	Fish 6
Length (mm)	474	401	431	457	480	441
Length (inches)	18.66	15.79	16.97	17.99	18.90	17.36
Weight (g)	884	482	736	852	906	626
Weight (oz)	31.18	17.00	25.96	30.05	31.96	22.08
Sex/Age	M/5	M/4	M/4	F/4	F/6	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
Lesions					Moderate	
MERCURY, TOTAL ug/g	.313	.114	.201	1.43	.16	.288

	Composite - 6 Fish
Bottle Code: 11/13/2019 CONE-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.735
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	353	391	356	315	319	355
Length (inches)	13.90	15.39	14.02	12.40	12.56	13.98
Weight (g)	628	706	682	444	418	548
Weight (oz)	22.15	24.90	24.06	15.66	14.74	19.33
Sex/Age	M/3	M/6	F/3	M/2	M/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites		Slight/Mild				
MERCURY, TOTAL ug/g	.791	1.63	.706	.484	.713	.499

	Composite - 6 Fish
Bottle Code: 11/13/2019 CONE-1 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.27
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2
Length (mm)	468	415
Length (inches)	18.43	16.34
Weight (g)	1,010	636
Weight (oz)	35.63	22.43
Sex/Age	F/5	F/4
Age Method	Spine	Spine
Collection Date	10-10-19	10-10-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.269	.152

	Composite - 2 Fish	
Bottle Code: 10/10/2019 GEOH-10 BLC 01-02		
2,4'-DDD ug/g	< .0009	JQ2
2,4'-DDE ug/g	< .0014	JQ2
2,4'-DDT ug/g	< .0013	JQ2
4,4'-DDD ug/g	< .0019	
4,4'-DDE ug/g	< .0032	
4,4'-DDT ug/g	< .0013	JQ2
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	
CHLORPYRIFOS ug/g	< .0017	JQ2
DIELDRIN ug/g	< .0023	
ENDOSULFAN I ug/g	< .001	JQ2
ENDOSULFAN II ug/g	< .0015	
ENDRIN ug/g	< .0022	
HEPTACHLOR ug/g	< .002	JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ2
HEXACHLOROBENZENE ug/g	< .0014	JQ2
LINDANE ug/g	< .0022	JQ2
LIPIDS %	.8	
MIREX ug/g	< .0032	JQ2
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

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
Length (mm)	538	520	412	383
Length (inches)	21.18	20.47	16.22	15.08
Weight (g)	1,428	1,222	564	430
Weight (oz)	50.37	43.10	19.89	15.17
Sex/Age	F/5	F/4	F/4	M/3
Age Method	Spine	Spine	Spine	Spine
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.371	.337	.18	.088

	Composite - 4 Fish
Bottle Code: 10/10/2019 GEOH-10 CHC 01-04	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	.0113
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	1.765
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	365	451	385	350	396	342
Length (inches)	14.37	17.76	15.16	13.78	15.59	13.46
Weight (g)	750	1,300	698	686	892	580
Weight (oz)	26.46	45.86	24.62	24.20	31.46	20.46
Sex/Age	F/3	F/3	F/3	F/3	F/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.375	.452	.634	.329	.504	.298

	Composite - 6 Fish
Bottle Code: 10/10/2019 GEOH-10 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	.0034 JI
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	.605
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	450	548	442	461	460	456
Length (inches)	17.72	21.57	17.40	18.15	18.11	17.95
Weight (g)	760	1,544	744	842	786	826
Weight (oz)	26.81	54.46	26.24	29.70	27.73	29.14
Sex/Age	/5	/5	/4	/4	/5	/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.065 JI	.081 JI	.125	.092 JI	.044 JI	.106

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	382	415	374	391	364	406
Length (inches)	15.04	16.34	14.72	15.39	14.33	15.98
Weight (g)	890	1,092	854	984	814	1,016
Weight (oz)	31.39	38.52	30.12	34.71	28.71	35.84
Sex/Age	/3	/3	/4	/2	/2	/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.116	.143	.09 JI	.105	.047 JI	.09 JI

Lawrence County **Lat/Lon: 34.66382 / -87.10910**

WHEL-14, Fox Ck (Wheeler) - Fox creek embayment of Wheeler Reservoir.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	493	542	428	471	452	578
Length (inches)	19.41	21.34	16.85	18.54	17.80	22.76
Weight (g)	1,116	1,674	532	912	846	1,598
Weight (oz)	39.37	59.05	18.77	32.17	29.84	56.37
Sex/Age	M/6	M/6	M/4	M/4	F/6	M/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild	Moderate		Slight/Mild		Slight/Mild
MERCURY, TOTAL ug/g	.107	.055 JI	.09 JI	.058 JI	.07 JI	.106

	Composite - 6 Fish
Bottle Code: 10/29/2019 WHEL-14 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ3
2,4'-DDE ug/g	< .0014 JQ3
2,4'-DDT ug/g	< .0013 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0056 JQ3I
4,4'-DDT ug/g	< .0013 JQ3
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ3
DIELDRIN ug/g	< .0023 JQ3
ENDOSULFAN I ug/g	< .001 JQ3
ENDOSULFAN II ug/g	< .0015 JQ3
ENDRIN ug/g	< .0022 JQ3
HEPTACHLOR ug/g	< .002 JQ3
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ3
HEXACHLOROBENZENE ug/g	< .0014 JQ3
LINDANE ug/g	< .0022 JQ3
LIPIDS %	.615
MIREX ug/g	< .0032 JQ3
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Lawrence County **Lat/Lon: 34.66382 / -87.10910**

WHEL-14, Fox Ck (Wheeler) - Fox creek embayment of Wheeler Reservoir.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	435	394	400	413	346	396
Length (inches)	17.13	15.51	15.75	16.26	13.62	15.59
Weight (g)	1,116	908	896	1,064	730	858
Weight (oz)	39.37	32.03	31.61	37.53	25.75	30.27
Sex/Age	M/8	M/3	F/2	F/3	M/2	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Moderate					
MERCURY, TOTAL ug/g	.423	.107	.135	.105	.101	.103
PFOA RESEARCH ng/g	< .7	< .7	< .7	< .7	< .7	< .7
PFOS RESEARCH ng/g	175.5	115.75	161.5	211.5	185.5	246

	Composite - 6 Fish
Bottle Code: 10/29/2019 WHEL-14 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0047 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.38
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Covington County **Lat/Lon: 31.30180 / -86.2804(**

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

Creek Chubsucker (Erimyzon oblongus)

	Fish 1	Fish 2	Fish 3
Length (mm)	306	305	345
Length (inches)	12.05	12.01	13.58
Weight (g)	420	400	560
Weight (oz)	14.82	14.11	19.75
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	09-13-19	09-13-19	09-13-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.108	.074 JI	.088 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	342	396	459	341	380	389
Length (inches)	13.46	15.59	18.07	13.43	14.96	15.31
Weight (g)	480	570	1,070	440	610	750
Weight (oz)	16.93	20.11	37.74	15.52	21.52	26.46
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-13-19	09-13-19	09-13-19	09-13-19	09-13-19	09-13-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.537	.837	.613	.725	.781	.678

Spotted Bullhead (Ameiurus serracanthus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	256	270	335	345
Length (inches)	10.08	10.63	13.19	13.58
Weight (g)	200	240	540	550
Weight (oz)	7.05	8.47	19.05	19.40
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	09-13-19	09-13-19	09-13-19	09-13-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	< .027	< .027	< .027	< .027

Spotted Sucker (Minytrema melanops)

	Fish 1
Length (mm)	446
Length (inches)	17.56
Weight (g)	850
Weight (oz)	29.98
Sex/Age	
Age Method	N/A
Collection Date	09-13-19
Skin on Fillet	N
MERCURY, TOTAL ug/g	.292

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)	535	537	568	518	477	522
Length (inches)	21.06	21.14	22.36	20.39	18.78	20.55
Weight (g)	1,510	1,590	1,920	1,420	1,350	1,560
Weight (oz)	53.26	56.09	67.73	50.09	47.62	55.03
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.456	.133	.059 JI	.121	.158	.168

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	320	340	429	303	336	310
Length (inches)	12.60	13.39	16.89	11.93	13.23	12.20
Weight (g)	400	450	1,130	540	640	540
Weight (oz)	14.11	15.87	39.86	19.05	22.58	19.05
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.352	.257	.664	.189	.249	.331

Baldwin County **Lat/Lon: 30.24655 / -87.66701**

GMEX-11, Gulf Of Mexico - Gulf of Mexico at the Gulf State Pier.

King Mackerel (Scomberomorus cavalla)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	1,165	1,160	1,080	968	933
Length (inches)	45.87	45.67	42.52	38.11	36.73
Weight (g)	14,500	10,000	8,000	7,500	6,800
Weight (oz)	511.47	352.74	282.19	264.55	239.86
Sex/Age	F	F	F	F	F
Age Method	N/A	N/A	N/A	N/A	N/A
Collection Date	07-25-19	07-25-19	07-25-19	07-25-19	07-25-19
Skin on Fillet	N	N	N	N	N
MERCURY, TOTAL ug/g	1.15	1.19	.868	.895	1.24

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)	611	457	403	646	361	349
Length (inches)	24.06	17.99	15.87	25.43	14.21	13.74
Weight (g)	3,352	1,462	678	3,082	440	432
Weight (oz)	118.24	51.57	23.92	108.71	15.52	15.24
Sex/Age	F/9	F/6	F/2	M/7	F/3	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.053 JI	.052 JI	.037 JI	.048 JI	.072 JI	.045 JI

	Composite - 6 Fish
Bottle Code: 10/9/2019 HARL-2 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	.0115
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	.183
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	.183
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	6.79
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	342	390	354	400	449	337
Length (inches)	13.46	15.35	13.94	15.75	17.68	13.27
Weight (g)	490	942	940	912	1,408	626
Weight (oz)	17.28	33.23	33.16	32.17	49.67	22.08
Sex/Age	M/3	M/3	F/4	M/4	F/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.204	.165	.249	.303	.159	.222

	Composite - 6 Fish
Bottle Code: 10/9/2019 HARL-2 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	< .0032
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	.5
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	526	548	540	545	560	575
Length (inches)	20.71	21.57	21.26	21.46	22.05	22.64
Weight (g)	1,436	1,942	1,852	2,098	1,392	1,782
Weight (oz)	50.65	68.50	65.33	74.00	49.10	62.86
Sex/Age	M/4	F/5	F/4	F/4	F/5	Ukn/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-03-19	10-03-19	10-03-19	10-03-19	10-03-19	10-03-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.145	.063 JI	.124	.054 JI	.14	.077 JI

	Composite - 6 Fish
Bottle Code: 10/3/2019 HARL-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	6.815
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

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)	455	440	387	432	384	330
Length (inches)	17.91	17.32	15.24	17.01	15.12	12.99
Weight (g)	1,314	1,254	1,365	1,124	700	510
Weight (oz)	46.35	44.23	48.15	39.65	24.69	17.99
Sex/Age	M/3	F/3	M/2	M/4	M/3	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-03-19	10-03-19	10-03-19	10-03-19	10-03-19	10-03-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites						Slight/Mild
MERCURY, TOTAL ug/g	.332	.18	.154	.172	.196	.099 JI

	Composite - 6 Fish
Bottle Code: 10/3/2019 HARL-1 LMB 01-06	
2,4'-DDD ug/g	.0017 JI
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0062 JI
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	.435
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

Covington County **Lat/Lon: 30.99290 / -86.3247(**

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)	306	297	302	282	325	282
Length (inches)	12.05	11.69	11.89	11.10	12.80	11.10
Weight (g)	340	280	300	270	400	270
Weight (oz)	11.99	9.88	10.58	9.52	14.11	9.52
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-12-19	09-12-19	09-12-19	09-12-19	09-12-19	09-12-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.78	.594	.648	.608	.56	.385

Escambia County **Lat/Lon: 31.04439 / -87.21907**

LTEE-2, Little Escambia Ck - Little Escambia Creek at Wolf Log Rd.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3
Length (mm)	420	325	351
Length (inches)	16.54	12.80	13.82
Weight (g)	700	320	140
Weight (oz)	24.69	11.29	4.94
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-14-19	11-14-19	11-14-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	1.06	.552	.437

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	227	406
Length (inches)	8.94	15.98
Weight (g)	130	910
Weight (oz)	4.59	32.10
Sex/Age		
Age Method	N/A	N/A
Collection Date	11-14-19	11-14-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.843	.87

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	295	363	301	383
Length (inches)	11.61	14.29	11.85	15.08
Weight (g)	290	510	310	690
Weight (oz)	10.23	17.99	10.93	24.34
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	11-14-19	11-14-19	11-14-19	11-14-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	1.47	1.86	1.36	1.49

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2	Fish 3
Length (mm)	361	345	330
Length (inches)	14.21	13.58	12.99
Weight (g)	480	350	350
Weight (oz)	16.93	12.35	12.35
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-14-19	11-14-19	11-14-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.344	.294	.759

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)	456	456	440	452	429	446
Length (inches)	17.95	17.95	17.32	17.80	16.89	17.56
Weight (g)	664	672	720	800	604	876
Weight (oz)	23.42	23.70	25.40	28.22	21.31	30.90
Sex/Age	F/6	F/4	M/4	M/5	F/4	F/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.215	.213	.223	.367	.684	.396

	Composite - 6 Fish
Bottle Code: 11/5/2019 MRDE-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.93
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	395	413	270
Length (inches)	15.55	16.26	10.63
Weight (g)	844	1,038	248
Weight (oz)	29.77	36.61	8.75
Sex/Age	F/4	F/5	M/3
Age Method	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.74	1.31	.535

	Composite - 3 Fish
Bottle Code: 11/5/2019 MRDE-1 LMB 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.19
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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
Length (mm)	265	265	253
Length (inches)	10.43	10.43	9.96
Weight (g)	240	216	196
Weight (oz)	8.47	7.62	6.91
Sex/Age	F/3	M/3	M/4
Age Method	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.676	1.06	.74

	Composite - 3 Fish
Bottle Code: 11/5/2019 MRDE-1 SPB 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.105
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	594	599	579	552	495	404
Length (inches)	23.39	23.58	22.80	21.73	19.49	15.91
Weight (g)	2,454	2,156	1,572	1,654	1,054	542
Weight (oz)	86.56	76.05	55.45	58.34	37.18	19.12
Sex/Age	F/6	F/5	F/5	F/6	M/4	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.089 JI	.053 JI	.108	.241	.07 JI	.069 JI

	Composite - 6 Fish
Bottle Code: 10/9/2019 HARL-3 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	.002 JQ2I
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	.0074 JI
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	2.225
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	346	440	374	371	319	335
Length (inches)	13.62	17.32	14.72	14.61	12.56	13.19
Weight (g)	580	1,264	770	614	408	504
Weight (oz)	20.46	44.59	27.16	21.66	14.39	17.78
Sex/Age	F/5	F/3	F/3	F	F/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19	10-09-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.191	.514	.3	.323	.254	.246

	Composite - 6 Fish
Bottle Code: 10/9/2019 HARL-3 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	< .0032
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	.245
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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
Length (mm)	456	490	420
Length (inches)	17.95	19.29	16.54
Weight (g)	830	1,080	680
Weight (oz)	29.28	38.10	23.99
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	09-11-19	09-11-19	09-11-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.274	.304	.428

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	327	339	389	361	372	425
Length (inches)	12.87	13.35	15.31	14.21	14.65	16.73
Weight (g)	410	510	670	570	610	920
Weight (oz)	14.46	17.99	23.63	20.11	21.52	32.45
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-11-19	09-11-19	09-11-19	09-11-19	09-11-19	09-11-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.446	.52	.724	.662	.63	.733

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)	462	461	535	516	476	507
Length (inches)	18.19	18.15	21.06	20.31	18.74	19.96
Weight (g)	890	800	1,370	1,060	680	1,120
Weight (oz)	31.39	28.22	48.33	37.39	23.99	39.51
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19	11-19-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.29	.172	.753	.452	.788	.306

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	416	327
Length (inches)	16.38	12.87
Weight (g)	870	320
Weight (oz)	30.69	11.29
Sex/Age		
Age Method	N/A	N/A
Collection Date	11-19-19	11-19-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.431	.648

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	402	305	310	311
Length (inches)	15.83	12.01	12.20	12.24
Weight (g)	720	320	330	420
Weight (oz)	25.40	11.29	11.64	14.82
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	11-19-19	11-19-19	11-19-19	11-19-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.874	.477	.447	.407

Geneva County **Lat/Lon: 31.02460 / -85.8760**

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)	571	484	515	451	435	375
Length (inches)	22.48	19.06	20.28	17.76	17.13	14.76
Weight (g)	1,940	1,010	1,100	670	600	350
Weight (oz)	68.43	35.63	38.80	23.63	21.16	12.35
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.204	.206	.595	.087 JI	.245	.096 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	312	290
Length (inches)	12.28	11.42
Weight (g)	360	280
Weight (oz)	12.70	9.88
Sex/Age		
Age Method	N/A	N/A
Collection Date	10-17-19	10-17-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.384	.457

Spotted Bass (Micropterus punctulatus)

	Fish 1
Length (mm)	227
Length (inches)	8.94
Weight (g)	110
Weight (oz)	3.88
Sex/Age	
Age Method	N/A
Collection Date	10-17-19
Skin on Fillet	N
MERCURY, TOTAL ug/g	.464

Baldwin County **Lat/Lon: 30.45010 / -87.3820(**

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	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	393	397	389	310	319	326
Length (inches)	15.47	15.63	15.31	12.20	12.56	12.83
Weight (g)	566	538	498	280	290	278
Weight (oz)	19.97	18.98	17.57	9.88	10.23	9.81
Sex/Age	M/1	M/1	F/2	F/1	M/1	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-06-19	11-06-19	11-06-19	11-06-19	11-06-19	11-06-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.246	.234	.314	.429	.377	.309

	Composite - 6 Fish
Bottle Code: 11/6/2019 PDBB-3 SPK 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.42
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

PDBB-4, Perdido R - Perdido River at U.S. Hwy 90.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	371	395	337	358	337	302
Length (inches)	14.61	15.55	13.27	14.09	13.27	11.89
Weight (g)	484	574	340	412	336	256
Weight (oz)	17.07	20.25	11.99	14.53	11.85	9.03
Sex/Age	F	F	F	M	M	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.651	.945	.539	.527	.406	.703

	Composite - 6 Fish
Bottle Code: 11/5/2019 PDBB-4 BKR 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.145
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

PDBB-4, Perdido R - Perdido River at U.S. Hwy 90.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	505	438	359	305	300	277
Length (inches)	19.88	17.24	14.13	12.01	11.81	10.91
Weight (g)	1,778	1,232	558	374	326	276
Weight (oz)	62.72	43.46	19.68	13.19	11.50	9.74
Sex/Age	F/10	F/7	M/5	M/4	M/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	1.68	1.14	1.44	1.42	1.26	1.19

	Composite - 6 Fish
Bottle Code: 11/5/2019 PDBB-4 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0334 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.115
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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
Length (mm)	484	442	486
Length (inches)	19.06	17.40	19.13
Weight (g)	1,160	790	950
Weight (oz)	40.92	27.87	33.51
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	09-10-19	09-10-19	09-10-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.393	.135	.368

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	480	355	322	431	500	442
Length (inches)	18.90	13.98	12.68	16.97	19.69	17.40
Weight (g)	1,830	640	560	1,250	1,670	1,190
Weight (oz)	64.55	22.58	19.75	44.09	58.91	41.98
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19	09-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.95	.794	.335	.619	.651	.784

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	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	342	356	371	420	420	541
Length (inches)	13.46	14.02	14.61	16.54	16.54	21.30
Weight (g)	270	310	330	520	570	1,360
Weight (oz)	9.52	10.93	11.64	18.34	20.11	47.97
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	09-19-19	09-19-19	09-19-19	09-19-19	09-19-19	09-19-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.268	.309	.195	1.23	.315	.812

Spotted Bass (Micropterus punctulatus)

	Fish 1
Length (mm)	170
Length (inches)	6.69
Weight (g)	50
Weight (oz)	1.76
Sex/Age	
Age Method	N/A
Collection Date	09-19-19
Skin on Fillet	N
MERCURY, TOTAL ug/g	.487

Walker County **Lat/Lon: 33.82698 / -87.06931**

SF-5, Sipsey Fk - Sipsey Fork, approximately 1 mile upstream of the confluence with the Mulberry Fork.

Blacktail Redhorse (Moxostoma poecilurum)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	390	396	356	440	319	361
Length (inches)	15.35	15.59	14.02	17.32	12.56	14.21
Weight (g)	752	768	504	1,146	424	502
Weight (oz)	26.53	27.09	17.78	40.42	14.96	17.71
Sex/Age	M	F	M	F	F	M
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.204	.233	.294	.445	.142	.328

	Composite - 6 Fish
Bottle Code: 10/29/2019 SF-5 BKR 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.895
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Walker County **Lat/Lon: 33.82698 / -87.06931**

SF-5, Sipsey Fk - Sipsey Fork, approximately 1 mile upstream of the confluence with the Mulberry Fork.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	364	339	332	406	320	303
Length (inches)	14.33	13.35	13.07	15.98	12.60	11.93
Weight (g)	592	518	452	864	424	356
Weight (oz)	20.88	18.27	15.94	30.48	14.96	12.56
Sex/Age	M/4	F/3	F/5	F/6	F/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19	10-29-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.722	.311	.523	.598	.191	.186

	Composite - 6 Fish
Bottle Code: 10/29/2019 SF-5 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0064 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.36
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	1.47 JI
TOXAPHENE ug/g	< .0051

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

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

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	374	405	447	300	401	362
Length (inches)	14.72	15.94	17.60	11.81	15.79	14.25
Weight (g)	700	854	1,364	302	924	678
Weight (oz)	24.69	30.12	48.11	10.65	32.59	23.92
Sex/Age	F/5	F/10	F/5	M/3	F/10	F/5
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.869	1.3	1.3	.88	1.14	1.17

	Composite - 6 Fish
Bottle Code: 11/5/2019 STXB-5 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.115
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	340	434	330	341	323	315
Length (inches)	13.39	17.09	12.99	13.43	12.72	12.40
Weight (g)	484	824	426	426	378	362
Weight (oz)	17.07	29.07	15.03	15.03	13.33	12.77
Sex/Age	M/3	F/5	M/2	F/4	M/2	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19	11-05-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.052 JI	.07 JI	.052 JI	.035 JI	.023 JI	.03 JI

	Composite - 6 Fish
Bottle Code: 11/5/2019 STXB-5 STM 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.01
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Henry County **Lat/Lon: 31.70050 / -85.14290**

GEOH-15, Thomas Mill Ck (WF George) - Deepest point, main channel Thomas Mill Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	544	548	508	586	568	605
Length (inches)	21.42	21.57	20.00	23.07	22.36	23.82
Weight (g)	1,564	2,170	1,616	2,034	1,852	2,476
Weight (oz)	55.17	76.54	57.00	71.75	65.33	87.34
Sex/Age	M/7	F/6	F/4	M/7	M/6	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild			Slight/Mild		Slight/Mild
MERCURY, TOTAL ug/g	.094 JI	.098 JI	.056 JI	.279	.076 JI	.1

	Composite - 6 Fish
Bottle Code: 11/13/2019 GEOH -15 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.005 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	2.135
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Henry County **Lat/Lon: 31.70050 / -85.14290**

GEOH-15, Thomas Mill Ck (WF George) - Deepest point, main channel Thomas Mill Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	380	384	355	373	415	438
Length (inches)	14.96	15.12	13.98	14.69	16.34	17.24
Weight (g)	828	1,024	696	830	1,250	1,334
Weight (oz)	29.21	36.12	24.55	29.28	44.09	47.06
Sex/Age	M/3	F/3	F/3	F/2	F/4	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites			Slight/Mild			Slight/Mild
MERCURY, TOTAL ug/g	.306	.401	.34	.4	.335	.374

	Composite - 6 Fish
Bottle Code: 11/13/2019 GEOH -15 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0038 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.06
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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	Fish 4	Fish 5
Length (mm)	505	507	515	469	400
Length (inches)	19.88	19.96	20.28	18.46	15.75
Weight (g)	1,030	924	1,108	866	480
Weight (oz)	36.33	32.59	39.08	30.55	16.93
Sex/Age	M/7	M/7	F/6	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine
Collection Date	11-20-19	11-20-19	11-20-19	11-20-19	11-20-19
Skin on Fillet	N	N	N	N	N
Internal Parasites	Slight/Mild	Moderate	Slight/Mild		
MERCURY, TOTAL ug/g	.231	.312	.184	.242	.167

	Composite - 5 Fish
Bottle Code: 11/20/2019 GEOH-16 CHC 01-05	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.665
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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
Length (mm)	402	429	409	410	379
Length (inches)	15.83	16.89	16.10	16.14	14.92
Weight (g)	906	1,004	928	1,180	648
Weight (oz)	31.96	35.42	32.73	41.62	22.86
Sex/Age	F/3	F/3	F/3	F/3	M/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-20-19	11-20-19	11-20-19	11-20-19	11-20-19
Skin on Fillet	N	N	N	N	N
MERCURY, TOTAL ug/g	.491	.393	.447	.504	.802

	Composite - 5 Fish
Bottle Code: 11/20/2019 GEOH-16 LMB 01-05	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.315
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Spotted Bass (Micropterus punctulatus)

	Fish 1	
Length (mm)	366	
Length (inches)	14.41	
Weight (g)	540	
Weight (oz)	19.05	
Sex/Age	F/6	
Age Method	Otolith	
Collection Date	11-20-19	
Skin on Fillet	N	
2,4'-DDD ug/g	< .0009	JQ2
2,4'-DDE ug/g	< .0014	JQ2
2,4'-DDT ug/g	< .0013	JQ2
4,4'-DDD ug/g	< .0019	
4,4'-DDE ug/g	< .0032	
4,4'-DDT ug/g	< .0013	JQ2
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	
CHLORPYRIFOS ug/g	< .0017	JQ2
DIELDRIN ug/g	< .0023	
ENDOSULFAN I ug/g	< .001	JQ2
ENDOSULFAN II ug/g	< .0015	
ENDRIN ug/g	< .0022	
HEPTACHLOR ug/g	< .002	JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ2
HEXACHLOROBENZENE ug/g	< .0014	JQ2
LINDANE ug/g	< .0022	JQ2
LIPIDS %	< .1	
MERCURY, TOTAL ug/g	.741	
MIREX ug/g	< .0032	JQ2
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

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)	527	585	515	542	585	457
Length (inches)	20.75	23.03	20.28	21.34	23.03	17.99
Weight (g)	1,222	1,810	1,496	1,560	1,432	768
Weight (oz)	43.10	63.85	52.77	55.03	50.51	27.09
Sex/Age	M/6	M/4	M/5	F/5	M/5	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-02-19	10-02-19	10-02-19	10-02-19	10-02-19	10-02-19
Skin on Fillet	N	N	N	N	N	N
Deformities	Moderate					
Internal Parasites						Slight/Mild
MERCURY, TOTAL ug/g	.064 JI	.043 JI	.072 JI	.088 JI	.095 JI	.157

	Composite - 6 Fish
Bottle Code: 10/2/2019 WESC-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0055 JI
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	1.3
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

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)	286		424	401
Length (inches)	11.26		16.69	15.79
Weight (g)	358		1,312	1,006
Weight (oz)	12.63		46.28	35.49
Sex/Age	M/1		M/3	M/2
Age Method	Otolith		Otolith	Otolith
Collection Date	10-02-19		10-02-19	10-02-19
Skin on Fillet	N		N	N
MERCURY, TOTAL ug/g	.046	JI	.184	.121

	Composite - 3 Fish
Bottle Code: 10/2/2019 WESC-1 LMB 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	.63
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

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
Length (mm)	372	276
Length (inches)	14.65	10.87
Weight (g)	758	308
Weight (oz)	26.74	10.86
Sex/Age	M/3	M/2
Age Method	Otolith	Otolith
Collection Date	10-02-19	10-02-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.146	.057 JI

	Composite - 2 Fish
Bottle Code: 10/2/2019 WESC-1 SPB 01-02	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	.225
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

Troup County **Lat/Lon: 32.99830 / -85.19836**

WESC-2, West Point Res - Deepest point, main creek channel, immediately downstream of Wehadkee/Veasey/Stroud Creeks confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	515	518	536	530	510	455
Length (inches)	20.28	20.39	21.10	20.87	20.08	17.91
Weight (g)	1,370	1,299	1,550	1,226	1,202	744
Weight (oz)	48.33	45.82	54.67	43.25	42.40	26.24
Sex/Age	M/5	M/5	F/6	M/5	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-02-19	10-02-19	10-02-19	10-02-19	10-02-19	10-02-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites				Moderate		
MERCURY, TOTAL ug/g	.112	.09 JI	.081 JI	.083 JI	.274	.062 JI

	Composite - 6 Fish
Bottle Code: 10/2/2019 WESC-2 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0055 JI
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022
LIPIDS %	1.195
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

Troup County **Lat/Lon: 32.99830 / -85.19836**

WESC-2, West Point Res - Deepest point, main creek channel, immediately downstream of Wehadkee/Veasey/Stroud Creeks confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	445	368	335
Length (inches)	17.52	14.49	13.19
Weight (g)	1,211	653	585
Weight (oz)	42.72	23.03	20.64
Sex/Age	M/5	F/4	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	10-02-19	10-02-19	10-02-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.183	.459	.072 JI

	Composite - 3 Fish
Bottle Code: 10/2/2019 WESC-2 LMB 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	.23
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

Troup County **Lat/Lon: 32.99830 / -85.19836**

WESC-2, West Point Res - Deepest point, main creek channel, immediately downstream of Wehadkee/Veasey/Stroud Creeks confluence.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	340	361	317
Length (inches)	13.39	14.21	12.48
Weight (g)	514	756	433
Weight (oz)	18.13	26.67	15.27
Sex/Age	M/2	M/3	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	10-02-19	10-02-19	10-02-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.105	.184	.15

	Composite - 3 Fish
Bottle Code: 10/2/2019 WESC-2 SPB 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	.24
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

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)	515	522	554	532	495	564
Length (inches)	20.28	20.55	21.81	20.94	19.49	22.20
Weight (g)	1,158	1,196	1,640	1,364	1,136	1,812
Weight (oz)	40.85	42.19	57.85	48.11	40.07	63.92
Sex/Age	F/4	M/5	M/5	M/4	M/5	M/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites					Slight/Mild	
MERCURY, TOTAL ug/g	.124	.059	.093 JI	.171	.118	.089 JI

	Composite - 6 Fish
Bottle Code: 10/17/2019 GEOH-1 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0038 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.945
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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)	387	393	395	369	410	398
Length (inches)	15.24	15.47	15.55	14.53	16.14	15.67
Weight (g)	1,052	872	1,078	1,080	1,198	1,210
Weight (oz)	37.11	30.76	38.03	38.10	42.26	42.68
Sex/Age	F/2	F/2	M/3	M/3	M/4	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites		Slight/Mild			Moderate	
MERCURY, TOTAL ug/g	.332	.318	.224	.176	.241	.237

	Composite - 6 Fish
Bottle Code: 10/17/2019 GEOH-1 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.63
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Barbour County **Lat/Lon: 31.89293 / -85.11962**

GEOH-4, WF George Res - Mid reservoir. Deepest point, main river channel, approximately 0.25 miles upstream of U.S. Highway 82 causeway.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	540	460	556	434	378	448
Length (inches)	21.26	18.11	21.89	17.09	14.88	17.64
Weight (g)	1,158	756	1,834	1,082	706	1,202
Weight (oz)	40.85	26.67	64.69	38.17	24.90	42.40
Sex/Age	F/5	F/4	F/5	M/6	F/4	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild		Moderate			
MERCURY, TOTAL ug/g	.141	.133	.131	.177	.09 JI	.091 JI

	Composite - 6 Fish
Bottle Code: 10/10/2019 GEOH-4 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ2
ENDRIN ug/g	< .0022 JQ2
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022
LIPIDS %	1.07
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051 JQ2

Barbour County **Lat/Lon: 31.89293 / -85.11962**

GEOH-4, WF George Res - Mid reservoir. Deepest point, main river channel, approximately 0.25 miles upstream of U.S. Highway 82 causeway.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	350	482	316	384	405	360
Length (inches)	13.78	18.98	12.44	15.12	15.94	14.17
Weight (g)	740	1,382	470	1,030	1,020	918
Weight (oz)	26.10	48.75	16.58	36.33	35.98	32.38
Sex/Age	M/2	F/3	M/2	F/3	F/4	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19	10-10-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.174	.226	.083 JI	.195	.293	.14

	Composite - 6 Fish
Bottle Code: 10/10/2019 GEOH-4 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ2
2,4'-DDE ug/g	< .0014 JQ2
2,4'-DDT ug/g	< .0013 JQ2
4,4'-DDD ug/g	< .0019
4,4'-DDE ug/g	< .0032
4,4'-DDT ug/g	< .0013 JQ2
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034
CHLORPYRIFOS ug/g	< .0017 JQ2
DIELDRIN ug/g	< .0023
ENDOSULFAN I ug/g	< .001 JQ2
ENDOSULFAN II ug/g	< .0015
ENDRIN ug/g	< .0022
HEPTACHLOR ug/g	< .002 JQ2
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ2
HEXACHLOROBENZENE ug/g	< .0014 JQ2
LINDANE ug/g	< .0022 JQ2
LIPIDS %	.44
MIREX ug/g	< .0032 JQ2
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	450	434	436	433	457	438
Length (inches)	17.72	17.09	17.17	17.05	17.99	17.24
Weight (g)	830	806	764	738	890	718
Weight (oz)	29.28	28.43	26.95	26.03	31.39	25.33
Sex/Age	/6	/6	/5	/4	/5	/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	12-04-19	12-04-19	12-04-19	12-04-19	12-04-19	12-04-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.036 JI	.056 JI	.145	.072 JI	.146	.05 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	367	426	444	433	362
Length (inches)	16.14	14.45	16.77	17.48	17.05	14.25
Weight (g)	986	890	1,500	1,506	1,192	858
Weight (oz)	34.78	31.39	52.91	53.12	42.05	30.27
Sex/Age	/2	/2	/3	/2	/6	/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-04-19	12-04-19	12-04-19	12-04-19	12-04-19	12-04-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.088 JI	.046 JI	.105	.134	.289	.074 JI

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

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

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	488	490	566	534	523	515
Length (inches)	19.21	19.29	22.28	21.02	20.59	20.28
Weight (g)	1,210	1,100	1,722	1,758	1,564	1,522
Weight (oz)	42.68	38.80	60.74	62.01	55.17	53.69
Sex/Age	/6	/6	/6	/5	/6	/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	12-03-19	12-03-19	12-03-19	12-03-19	12-03-19	12-03-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.056 JI	.135	.058 JI	.046 JI	.05 JI	.084 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	366	358	340	381	418	444
Length (inches)	14.41	14.09	13.39	15.00	16.46	17.48
Weight (g)	742	714	644	846	1,266	1,554
Weight (oz)	26.17	25.19	22.72	29.84	44.66	54.82
Sex/Age	/2	/3	/1	/3	/5	/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	12-03-19	12-03-19	12-03-19	12-03-19	12-03-19	12-03-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.109	.07 JI	.066 JI	.09 JI	.166	.108

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

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

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	475	520	490	467	432	491
Length (inches)	18.70	20.47	19.29	18.39	17.01	19.33
Weight (g)	816	1,172	964	932	654	950
Weight (oz)	28.78	41.34	34.00	32.88	23.07	33.51
Sex/Age	/6	/6	/5	/6	/5	/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.096 JI	.061 JI	.176	.046 JI	.037 JI	.064 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	365	359	427	384	417	381
Length (inches)	14.37	14.13	16.81	15.12	16.42	15.00
Weight (g)	729	729	1,335	925	1,116	1,074
Weight (oz)	25.71	25.71	47.09	32.63	39.37	37.88
Sex/Age	/2	/3	/3	/4	/3	/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19	10-17-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.07 JI	.143	.093 JI	.13	.184	.116

Barbour County **Lat/Lon: 31.77310 / -85.14760**

GEOH-14, White Oak Ck (WF George) - Deepest point, main channel White Oak Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	520	450	420	476	470	453
Length (inches)	20.47	17.72	16.54	18.74	18.50	17.83
Weight (g)	1,604	854	732	1,126	1,060	810
Weight (oz)	56.58	30.12	25.82	39.72	37.39	28.57
Sex/Age	M/6	M/5	M/5	M/6	F/5	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.131	.091 JI	.079 JI	.081 JI	.218	.139

	Composite - 6 Fish
Bottle Code: 11/13/2019 GEOH-14 CHC 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0072 JQ1I
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	1.185
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

Barbour County **Lat/Lon: 31.77310 / -85.14760**

GEOH-14, White Oak Ck (WF George) - Deepest point, main channel White Oak Creek embayment.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	420	415	380	400	370	295
Length (inches)	16.54	16.34	14.96	15.75	14.57	11.61
Weight (g)	1,120	1,154	730	972	802	364
Weight (oz)	39.51	40.71	25.75	34.29	28.29	12.84
Sex/Age	M/3	M/5	F/2	F/2	M/2	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19	11-13-19
Skin on Fillet	N	N	N	N	N	N
Internal Parasites	Slight/Mild					
MERCURY, TOTAL ug/g	.369	.464	.21	.309	.258	.126

	Composite - 6 Fish
Bottle Code: 11/13/2019 GEOH-14 LMB 01-06	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.79
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Atlantic Croaker (Micropogon undulatus)

	Fish 1	
Length (mm)	163	
Length (inches)	6.42	
Weight (g)	30	
Weight (oz)	1.06	
Sex/Age	F	
Age Method	Otolith	
Collection Date	11-06-19	
Skin on Fillet	N	
ARSENIC, TOTAL ug/g	12	
CADMIUM, TOTAL ug/g	< .0817	
MERCURY, TOTAL ug/g	.068	JI
SELENIUM, TOTAL ug/g	< .081	

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

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

Gafftopsail Catfish (Bagre marinus)

	Fish 1	Fish 2
Length (mm)	609	574
Length (inches)	23.98	22.60
Weight (g)	3,266	1,752
Weight (oz)	115.20	61.80
Sex/Age	F/4	F/3
Age Method	Spine	Spine
Collection Date	11-06-19	11-06-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.697	.488

	Composite - 2 Fish	
Bottle Code: 11/6/2019 WLFB-13 GFC 01-02		
2,4'-DDD ug/g	< .0009	JQ1
2,4'-DDE ug/g	< .0014	JQ1
2,4'-DDT ug/g	< .0013	JQ1
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	.023	JQ1I
4,4'-DDT ug/g	< .0013	JQ1
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	JQ1
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	JQ2
CHLORPYRIFOS ug/g	< .0017	JQ1
DIELDRIN ug/g	< .0023	JQ1
ENDOSULFAN I ug/g	< .001	JQ1
ENDOSULFAN II ug/g	< .0015	JQ1
ENDRIN ug/g	< .0022	JQ1
HEPTACHLOR ug/g	< .002	JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ1
HEXACHLOROBENZENE ug/g	< .0014	JQ1
LINDANE ug/g	< .0022	JQ1
LIPIDS %	3.39	
MIREX ug/g	< .0032	JQ1
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

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

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

Hardhead Catfish (Arius felis)

	Fish 1	Fish 2	Fish 3
Length (mm)	440	417	433
Length (inches)	17.32	16.42	17.05
Weight (g)	826	776	908
Weight (oz)	29.14	27.37	32.03
Sex/Age	M/5	F/6	F/5
Age Method	Spine	Spine	Spine
Collection Date	11-06-19	11-06-19	11-06-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.229	.095 JI	.33

	Composite - 3 Fish
Bottle Code: 11/6/2019 WLFB-13 HHC 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042 JQ1
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	.926
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ2
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	2.37
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Red Drum (Sciaenops ocellatus)

	Fish 1	
Length (mm)	272	
Length (inches)	10.71	
Weight (g)	222	
Weight (oz)	7.83	
Sex/Age	F/1	
Age Method	Otolith	
Collection Date	11-06-19	
Skin on Fillet	N	
Internal Parasites	Moderate	
2,4'-DDD ug/g	< .0009	JQ1
2,4'-DDE ug/g	< .0014	JQ1
2,4'-DDT ug/g	< .0013	JQ1
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	< .0032	JQ1
4,4'-DDT ug/g	< .0013	JQ1
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	JQ1
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	JQ2
CHLORPYRIFOS ug/g	< .0017	JQ1
DIELDRIN ug/g	< .0023	JQ1
ENDOSULFAN I ug/g	< .001	JQ1
ENDOSULFAN II ug/g	< .0015	JQ1
ENDRIN ug/g	< .0022	JQ1
HEPTACHLOR ug/g	< .002	JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ1
HEXACHLOROBENZENE ug/g	< .0014	JQ1
LINDANE ug/g	< .0022	JQ1
LIPIDS %	.18	
MERCURY, TOTAL ug/g	.147	
MIREX ug/g	< .0032	JQ1
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

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

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

Sand Seatrout (Cynoscion arenarius)

	Fish 1	Fish 2	Fish 3
Length (mm)	215	235	263
Length (inches)	8.46	9.25	10.35
Weight (g)	92	126	176
Weight (oz)	3.25	4.44	6.21
Sex/Age	M/1	M/1	F/1
Age Method	Otolith	Otolith	Otolith
Collection Date	11-06-19	11-06-19	11-06-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.074 JI	.085 JI	.218

	Composite - 3 Fish
Bottle Code: 11/6/2019 WLFB-13 SST 01-03	
2,4'-DDD ug/g	< .0009 JQ1
2,4'-DDE ug/g	< .0014 JQ1
2,4'-DDT ug/g	< .0013 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .0032 JQ1
4,4'-DDT ug/g	< .0013 JQ1
AROCHLOR 1016 ug/g	< .049
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .027
AROCHLOR 1260 ug/g	< .042
PCB'S, TOTAL ug/g	< .049
ARSENIC, TOTAL ug/g	< .065
CADMIUM, TOTAL ug/g	< .0817
CHLORDANE, TOTAL ug/g	< .0034 JQ1
CHLORPYRIFOS ug/g	< .0017 JQ1
DIELDRIN ug/g	< .0023 JQ1
ENDOSULFAN I ug/g	< .001 JQ1
ENDOSULFAN II ug/g	< .0015 JQ1
ENDRIN ug/g	< .0022 JQ1
HEPTACHLOR ug/g	< .002 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018 JQ1
HEXACHLOROBENZENE ug/g	< .0014 JQ1
LINDANE ug/g	< .0022 JQ1
LIPIDS %	.255
MIREX ug/g	< .0032 JQ1
SELENIUM, TOTAL ug/g	< .081
TOXAPHENE ug/g	< .0051

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

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

Speckled Trout (Cynoscion nebulosus)

	Fish 1	
Length (mm)	333	
Length (inches)	13.11	
Weight (g)	320	
Weight (oz)	11.29	
Sex/Age	M/2	
Age Method	Otolith	
Collection Date	11-06-19	
Skin on Fillet	N	
2,4'-DDD ug/g	< .0009	JQ1
2,4'-DDE ug/g	< .0014	JQ1
2,4'-DDT ug/g	< .0013	JQ1
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	< .0032	JQ1
4,4'-DDT ug/g	< .0013	JQ1
AROCHLOR 1016 ug/g	< .049	
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .027	
AROCHLOR 1260 ug/g	< .042	
PCB'S, TOTAL ug/g	< .049	
ARSENIC, TOTAL ug/g	< .065	
CADMIUM, TOTAL ug/g	< .0817	
CHLORDANE, TOTAL ug/g	< .0034	JQ1
CHLORPYRIFOS ug/g	< .0017	JQ1
DIELDRIN ug/g	< .0023	JQ1
ENDOSULFAN I ug/g	< .001	JQ1
ENDOSULFAN II ug/g	< .0015	JQ1
ENDRIN ug/g	< .0022	JQ1
HEPTACHLOR ug/g	< .002	JQ1
HEPTACHLOR EPOXIDE ug/g	< .0018	JQ1
HEXACHLOROBENZENE ug/g	< .0014	JQ1
LINDANE ug/g	< .0022	JQ1
LIPIDS %	.715	
MERCURY, TOTAL ug/g	.1	
MIREX ug/g	< .0032	JQ1
SELENIUM, TOTAL ug/g	< .081	
TOXAPHENE ug/g	< .0051	

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
Length (mm)	415
Length (inches)	16.34
Weight (g)	710
Weight (oz)	25.04
Sex/Age	
Age Method	N/A
Collection Date	09-18-19
Skin on Fillet	N
MERCURY, TOTAL ug/g	.588

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	565	325	385
Length (inches)	22.24	12.80	15.16
Weight (g)	1,270	240	410
Weight (oz)	44.80	8.47	14.46
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	09-18-19	09-18-19	09-18-19
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.624	.212	.181

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	277	215
Length (inches)	10.91	8.46
Weight (g)	260	90
Weight (oz)	9.17	3.17
Sex/Age		
Age Method	N/A	N/A
Collection Date	09-18-19	09-18-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.522	.578

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	389	291	320	219
Length (inches)	15.31	11.46	12.60	8.62
Weight (g)	650	250	380	120
Weight (oz)	22.93	8.82	13.40	4.23
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	09-18-19	09-18-19	09-18-19	09-18-19
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.741	.88 JI	.819	.559

Spotted Sucker (Minytrema melanops)

	Fish 1	Fish 2
Length (mm)	440	230
Length (inches)	17.32	9.06
Weight (g)	780	100
Weight (oz)	27.51	3.53
Sex/Age		
Age Method	N/A	N/A
Collection Date	09-18-19	09-18-19
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.363	.098 JI

*ADEM Qualifiers **

JI - Estimated/Between MDL & PQL

JQ1 - Estimated/QC1

JQ1I - Estimated/QC1/Between mdl & rl

JQ2 - Estimated/QC2

JQ2I - Estimated/QC2/Between mdl & rl

JQ3 - Estimated/QC3

JQ3I - Estimated/QC3/Between mdl & rl

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