Date: October 15, 2020

Via Email

Mr. Brian Farrier
U.S. EPA Region IV
Superfund Remedial Section C
61 Forsyth Street, S.W.
Atlanta, GA 30103-8960
farrier.brian@epa.gov

Subject: Monthly Progress Report for the Period **September 1, 2020 – September 30, 2020**
Armstrong World Industries Superfund Site Operable Unit 2, Macon, GA
Administrative Settlement Agreement and Order on Consent for RI/FS Docket Number: CERCLA-04-2018-3759

Dear Mr. Farrier:

This Monthly Progress Report is submitted on behalf of the Respondents[1] in satisfaction of the monthly progress reporting requirements under paragraph 50 of the USEPA Region 4 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigation/Feasibility Study, U.S. EPA Region 4, Docket No. CERCLA-04-2018-3759: Armstrong World Industries (AWI) Superfund Site, Operable Unit 2 (OU2), Macon, Macon-Bibb County, Georgia.

Activities Conducted September 1, 2020 through September 30, 2020

- Performed the field work outlined in the RI/FS Work Plan Addendum. This included:
  - Installation and sampling of three monitoring wells; and
  - Sampling of soil using ISM methodology from three decision units along Rocky Creek and one decision unit in the upland area.
- Submitted an ecological Problem Formulation and Study Design.
- Held a webinar meeting with USEPA personnel on September 24, 2020 to discuss the ecological Problem Formulation and Study Design.
- Began field work associated with the ecological Study Design.

Activities Planned for October and November 2020

- Continue field work specified in the ecological Study Design.
- Receive and evaluate the analytical results (groundwater and soil data) from implementation of the RI/FS Work Plan Addendum.

[1] Those parties listed in Appendix C of the of the Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study, U.S. EPA Region 4, Docket No. CERCLA-04-2018-3759.

Joseph Nicolette
Environmental Planning Specialists, Inc., an affiliate of Montrose Environmental Group
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Direct Phone: 678-336-8554

Problems Encountered

- None

Validated Results of Sampling and All Other Data Obtained through Field Work

- The sampling zones where fish were collected are shown on Figure 1. A summary of the results are provided in Table 1.
- Validata, LLC performed a Stage 3 Manual Validation of the analytical results for fish tissue. No results were rejected. The validated data were uploaded into EPA Region 4's EQuIS database.
- Revised coordinates for four sediment locations were uploaded into the EQuIS database.

Additional Items

- None

Should you have any questions or comments regarding this progress report or any other aspect of this project, please do not hesitate to contact me.

Sincerely,

Joseph Nicolette
Project Coordinator
Environmental Planning Specialists, Inc., an affiliate of Montrose Environmental Group

Attachments:

Figure 1	Fish Collection Zones
Table 1	Summary of Spring 2020 Finfish Tissue Analysis

cc:

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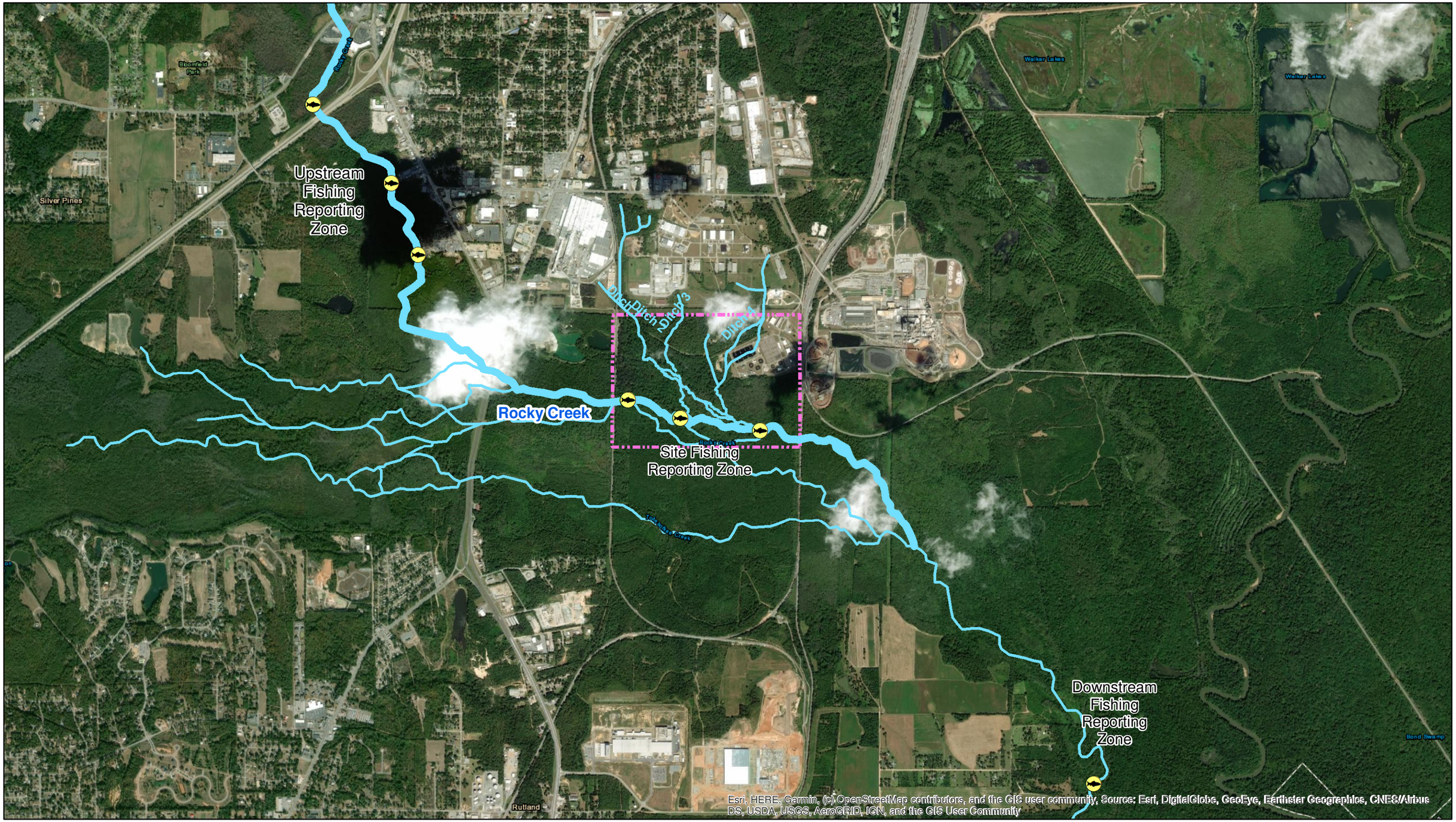

0 250 500 1,000
Feet

Legend

- FishLoc Events
- OU2 (approx)

EPS
a Montrose Environmental Group company

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Fish Collection Zones

Figure No. 1

Table 1. Summary of Spring 2020 Finfish Tissue Analysis

Sample ID	Species	Length (in)	Weight (g)	Fish count	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Aroclor 1262 (mg/kg)	Aroclor 1268 (mg/kg)	Total PCB Aroclors (mg/kg)	Total PCB Congeners (mg/kg)	Mercury (mg/kg)
Upstream Reporting Zone																
20137-UP-BA-1	Bass	10.9	315	3	<0.0072	<0.0029	<0.0034	<0.0029	<0.0029	0.017	<0.011	<0.007	<0.0032	0.017	0.0070	0.28
20135-UP-BA-2	Bass	12.0	440	2	<0.015	<0.0029	<0.029	<0.013	<0.024	<0.016	<0.0049	<0.0037	<0.0033	<0.029	0.0094	0.34
20135-UP-BA-1	Bass	13.9	708	3	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.017	<0.0098	<0.0068	<0.0029	0.017	0.0077	0.42
20134-UP-BA-1	Bass	14.7	805	2	<0.015	<0.0029	<0.037	<0.011	<0.017	<0.02	0.016	<0.0029	<0.0029	0.016	0.010	0.61
20137-UP-BR-5	Bream	5.1	43	11	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0065	<0.0058	<0.0052	<0.01	0.0065	0.0063	0.08
20137-UP-BR-4	Bream	5.7	66	10	<0.0029	<0.0029	<0.0029	0.018	<0.0029	0.04	<0.011	<0.0082	<0.0034	0.058	0.012	0.10
20137-UP-BR-3	Bream	6.9	124	10	<0.0029	<0.0029	<0.0034	<0.0039	<0.0029	0.017	<0.0029	<0.0029	<0.0029	0.017	0.0025	0.11
20137-UP-BR-2	Bream	7.4	143	10	<0.0078	<0.0029	<0.0061	<0.0096	<0.0029	0.012	<0.008	<0.005	<0.0029	0.012	0.0031	0.09
20137-UP-BR-1	Bream	8.0	211	10	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0063	<0.0052	<0.0048	<0.01	0.0063	0.0050	0.14
20133-UP-YBH-2	Bullhead	9.8	296	2	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.011	<0.0055	<0.004	<0.0029	0.011	0.0037	0.11
20133-UP-YBH-1	Bullhead	9.9	276	2	<0.0048	<0.0029	<0.0029	<0.0029	<0.0029	0.0056	<0.0039	<0.0029	<0.0029	0.0056	0.0001	0.09
20127-UP-GA-2	Gar	22.5	732	2	<0.011	<0.0029	<0.0066	<0.014	<0.0029	0.038	0.026	<0.019	<0.0066	0.064	0.030	0.57
20127-UP-GA-1	Gar	25.6	957	4	<0.021	<0.0029	<0.051	<0.019	<0.021	0.034	0.032	<0.0029	<0.0029	0.066	0.020	0.53
20135-UP-GA-1	Gar	31.0	738	1	<0.006	<0.0029	<0.012	<0.0075	<0.012	<0.0075	0.009	<0.0029	<0.0029	0.009	0.0084	0.36
20134-UP-CHP-1	Pickerel	16.0	520	2	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	0.0063	<0.0029	<0.0029	<0.0029	0.0063	0.0040	0.28
20127-UP-CHP-1	Pickerel	17.3	591	4	<0.014	<0.0029	<0.0061	<0.017	<0.0029	0.0086	<0.0054	<0.0034	<0.0029	0.0086	0.0013	0.28
20135-UP-CHP-1	Pickerel	19.0	846	3	<0.0064	<0.0029	<0.0029	<0.0029	<0.0029	0.0046	<0.0062	<0.0048	<0.0029	0.0046	0.0003	0.36
20134-UP-SS-3	Sucker	16.1	866	6	<0.056	<0.0029	<0.021	<0.017	<0.052	0.079	<0.032	<0.018	<0.0039	0.079	0.13	0.14
20134-UP-SS-2	Sucker	17.0	959	5	<0.089	<0.0029	<0.024	<0.021	<0.16	0.32	<0.085	<0.052	<0.0097	0.32	0.26	0.18
20134-UP-SS-1	Sucker	17.8	1,118	5	<0.063	<0.0029	<0.029	<0.031	<0.076	0.12	<0.07	<0.033	<0.0083	0.12	0.18	0.15
20135-UP-SS-2	Sucker	18.3	1,169	5	<0.027	<0.0029	<0.035	<0.023	<0.043	0.077	<0.055	<0.027	<0.0067	0.077	0.077	0.14
20135-UP-SS-1	Sucker	19.2	1,403	5	<0.023	<0.0029	<0.024	<0.024	<0.023	0.037	<0.031	<0.018	<0.004	0.037	0.054	0.22
Downstream Reporting Zone																
20135-DN-BA-1	Bass	10.8	284	4	<0.011	<0.0029	<0.012	<0.015	<0.025	0.046	<0.021	<0.015	<0.0034	0.046	0.033	0.21
20139-DN-BA-2	Bass	12.2	471	2	<0.033	<0.0029	<0.0029	<0.0062	<0.016	0.022	0.0065	<0.0029	<0.0029	0.029	0.020	0.27
20139-DN-BA-1	Bass	17.6	1,369	1	<0.045	<0.0029	<0.023	<0.025	<0.18	0.15	<0.044	<0.0029	<0.0029	0.15	0.22	0.51
20136-DN-BR-1	Bream	3.8	18	6	<0.0058	<0.0029	<0.019	<0.0069	<0.0029	0.023	<0.027	<0.021	<0.0072	0.023	0.0077	0.07
20139-DN-BR-2	Bream	4.4	28	6	<0.018	<0.0029	<0.044	<0.025	<0.025	0.017	0.0062	<0.0029	<0.0029	0.023	0.018	0.06
20137-DN-BR-2	Bream	4.8	41	6	<0.0081	<0.0029	<0.0096	<0.016	<0.0029	0.041	<0.012	<0.0073	<0.0029	0.041	0.022	0.08
20139-DN-BR-1	Bream	5.8	75	6	<0.028	<0.0029	<0.034	<0.035	<0.013	0.012	0.0051	<0.0029	<0.0029	0.017	0.014	0.09
20137-DN-BR-1	Bream	7.1	154	6	<0.035	<0.0029	<0.05	<0.022	<0.063	0.038	0.013	<0.0029	<0.0029	0.051	0.03506	0.119
20136-DN-YBH-1	Bullhead	12.6	657	1	<0.0096	<0.0029	<0.013	<0.011	<0.019	0.015	<0.0054	<0.0032	<0.0029	0.015	0.02649	0.166
20133-DN-CC-1	Catfish	16.6	833	1	<0.075	<0.015	<0.11	<0.074	<0.56	0.58	0.13	<0.015	<0.015	0.71	0.758	0.165
20136-DN-BLC-1	Crappie	10.6	337	1	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0021	0.263
20134-DN-GA-1	Gar	25.5	736	7	<0.044	<0.015	<0.015	<0.056	<0.21	<0.26	0.17	<0.015	<0.015	0.17	0.31092	0.572
20135-DN-GA-2	Gar	29.0	1,058	5	<0.01	<0.0029	<0.0097	<0.018	<0.015	<0.038	<0.033	<0.032	0.027	0.027	0.04438	0.359
20135-DN-GA-1	Gar	35.1	2,218	3	<0.086	<0.015	<0.083	<0.041	<0.34	<0.36	0.16	<0.015	<0.015	0.16	0.54385	0.424
20136-DN-CHP-2	Pickerel	15.0	460	1	<0.0091	<0.0029	<0.007	<0.0082	<0.0082	0.014	<0.0036	<0.0029	<0.0029	0.014	0.00118	0.199
20139-DN-CHP-1	Pickerel	17.4	700	3	<0.0064	<0.0029	<0.0091	<0.0077	<0.013	0.017	<0.0044	<0.0029	<0.0029	0.017	0.00528	0.232
20136-DN-CHP-1	Pickerel	22.5	1,228	1	<0.0058	<0.0029	<0.011	<0.0094	<0.015	0.014	0.007	<0.0029	<0.0029	0.021	0.00522	0.348
20139-DN-SS-2	Sucker	12.4	414	2	<0.015	<0.015	<0.015	0.16	<0.015	0.84	0.21	<0.015	<0.015	1.2	0.9016	0.122
20135-DN-SS-1	Sucker	16.9	1,091	2	<0.0029	<0.0029	<0.0029	0.082	<0.0029	0.24	0.11	<0.0029	<0.0029	0.43	0.45342	0.177
20139-DN-SS-1	Sucker	17.7	1,102	2	<0.11	<0.015	<0.086	<0.067	<0.43	0.46	0.21	<0.015	<0.015	0.67	0.54416	0.297

Table 1. Summary of Spring 2020 Finfish Tissue Analysis

Sample ID	Species	Length (in)	Weight (g)	Fish count	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Aroclor 1262 (mg/kg)	Aroclor 1268 (mg/kg)	Total PCB Aroclors (mg/kg)	Total PCB Congeners (mg/kg)	Mercury (mg/kg)
Site Reporting Zone																
20125-AD-BA-1	Bass	10.6	284	3	<0.015	<0.0029	<0.0094	<0.0068	<0.0091	<0.015	<0.0029	<0.0029	<0.0029	<0.015	0.013	0.21
20139-AD-BA-2	Bass	11.0	319	3	<0.017	<0.0029	<0.028	<0.018	<0.051	0.065	0.013	<0.0029	<0.0029	0.078	0.068	0.21
20136-AD-BA-1	Bass	12.0	489	3	<0.043	<0.0029	<0.019	<0.011	<0.0029	0.049	<0.013	<0.0091	<0.0032	0.049	0.020	0.23
20139-AD-BA-1	Bass	15.0	912	3	<0.02	<0.0029	<0.011	<0.018	<0.15	0.12	<0.02	<0.014	<0.0029	0.12	0.11	0.35
20132-AD-BR-5A	Bream	4.2	30	3	<0.0029	<0.0029	<0.0029	0.083	<0.0029	0.32	0.07	<0.0029	<0.0029	0.47	0.42	0.11
20132-AD-BR-4A	Bream	4.7	37	3	<0.0029	<0.0029	<0.0041	<0.016	<0.064	0.1	<0.0029	<0.0029	<0.0029	0.10	0.036	0.11
20132-AD-BR-3A	Bream	5.3	52	4	<0.0064	<0.0029	<0.0075	<0.0073	<0.019	0.045	0.0076	<0.0029	<0.0029	0.053	0.064	0.08
20139-AD-BR-4	Bream	5.7	60	7	<0.0038	<0.0029	<0.0094	<0.011	<0.0029	0.022	<0.0099	<0.0062	<0.01	0.022	0.015	0.11
20132-AD-BR-2A	Bream	5.9	78	4	<0.014	<0.0029	<0.019	<0.014	<0.04	0.066	0.017	<0.0029	<0.0029	0.083	0.053	0.08
20139-AD-BR-3	Bream	6.3	78	8	<0.051	<0.0029	<0.039	<0.023	<0.078	0.075	0.017	<0.0029	<0.0029	0.092	0.049	0.10
20132-AD-BR-1A	Bream	6.4	77	4	<0.013	<0.0029	<0.015	<0.013	<0.047	0.16	0.033	<0.0029	<0.0029	0.19	0.24	0.17
20139-AD-BR-2	Bream	7.0	121	8	<0.0029	<0.0029	<0.017	<0.027	<0.01	0.1	<0.02	<0.011	<0.0032	0.10	0.070	0.11
20139-AD-BR-1	Bream	7.6	153	8	<0.016	<0.0029	<0.022	<0.018	<0.021	<0.017	<0.0038	<0.0031	<0.0029	<0.022	0.0079	0.14
20138-AD-BR-1	Bream	8.4	248	8	<0.019	<0.0029	<0.15	<0.014	<0.012	0.011	<0.005	<0.0033	<0.0029	0.011	0.0093	0.14
20138-AD-YBH-1	Bullhead	9.3	248	2	<0.03	<0.0029	<0.038	<0.03	<0.07	0.095	0.022	<0.0029	<0.0029	0.12	0.067	0.10
20136-AD-YBH-1	Bullhead	10.2	316	2	<0.042	<0.0029	<0.026	<0.06	<0.012	0.033	0.0096	<0.0029	<0.0029	0.043	0.017	0.12
20124-AD-YBH-1	Bullhead	11.1	423	1	<0.027	<0.0029	<0.032	<0.0029	<0.031	0.045	0.026	<0.0029	<0.0029	0.071	0.051	0.15
19340-AD-BLC-1	Crappie	9.4	149	1	<0.062	<0.0029	<0.031	<0.017	<0.098	0.074	0.044	<0.033	<0.014	0.12	0.044	0.17
20139-AD-BLC-1	Crappie	10.0	198	1	<0.0083	<0.0029	<0.018	<0.013	<0.011	<0.0071	<0.0034	<0.0031	<0.004	<0.018	0.012	0.26
20125-AD-GA-1	Gar	20.1	549	4	<0.013	<0.0029	<0.016	<0.014	<0.039	0.067	<0.017	<0.011	<0.0029	0.067	0.029	0.49
20126-AD-GA-2	Gar	22.6	839	5	<0.031	<0.0029	<0.016	<0.013	<0.094	0.11	0.046	<0.0029	<0.0029	0.16	0.10	0.49
20124-AD-GA-1	Gar	24.5	738	5	<0.063	<0.022	<0.031	<0.018	<0.12	<0.12	0.054	<0.0029	<0.0029	0.054	0.17	0.60
20132-AD-GA-1	Gar	26.4	914	5	<0.27	<0.015	<0.087	<0.091	<0.39	<0.65	0.3	<0.015	<0.015	0.3	0.70	0.70
20126-AD-GA-1	Gar	30.1	1,131	5	<0.044	<0.015	<0.018	<0.015	<0.32	<0.46	0.25	<0.015	<0.015	0.25	1.0	0.68
20137-AD-CHP-1	Pickerel	15.1	478	6	<0.012	<0.0029	<0.0061	<0.0029	<0.0029	0.018	<0.0029	<0.0029	<0.0029	0.018	0.0016	0.18
20136-AD-CHP-1	Pickerel	16.7	604	5	<0.011	<0.0029	<0.0094	<0.0056	<0.007	0.014	0.0047	<0.0029	<0.0029	0.0187	0.010	0.23
20138-AD-CHP-3	Pickerel	17.6	726	5	<0.012	<0.0029	<0.019	<0.019	<0.016	<0.0091	<0.0038	<0.0029	<0.0029	<0.019	0.0023	0.22
20138-AD-CHP-2	Pickerel	18.6	738	5	<0.014	<0.0029	<0.0049	<0.0055	<0.0084	0.015	<0.0046	<0.0029	<0.0029	0.015	0.0026	0.27
20138-AD-CHP-1	Pickerel	20.7	916	5	<0.0094	<0.0029	<0.034	<0.021	<0.023	<0.026	0.0072	<0.0029	<0.0029	0.0072	0.013	0.35
20136-AD-SS-2	Sucker	15.0	742	3	<0.025	<0.0029	<0.026	<0.031	<0.027	0.027	0.016	<0.0029	<0.0029	0.043	0.028	0.07
20139-AD-SS-2	Sucker	16.4	959	4	<0.015	<0.015	<0.015	0.12	<0.015	0.57	0.11	<0.015	<0.015	0.80	0.52	0.14
20136-AD-SS-1	Sucker	16.8	1,051	4	<0.0029	<0.0029	<0.016	<0.016	<0.15	0.13	0.057	<0.0029	<0.0029	0.19	0.21	0.19
20122-AD-SS-1	Sucker	17.2	1,036	4	<0.075	<0.0029	<0.04	<0.035	<0.15	0.2	0.075	<0.01	<0.01	0.28	0.22	0.21
20139-AD-SS-1	Sucker	18.4	1,383	4	<0.13	<0.015	<0.015	<0.095	<0.41	0.5	0.11	<0.015	<0.015	0.61	0.46	0.25

Total PCBs assume 0 for non-detects