

**Mercury and Selenium Fish Tissue Data from Emory and Clinch Rivers**

Data expressed as mg/kg wet weight, unless indicated otherwise.

All samples are fillets unless indicated otherwise

**Clinch River mile 9.5 and mile 1.2**

Station ID	Species	Length Inches	Wt Lbs	Mercury Mg/Kg Wet Wt.	Selenium Mg/Kg Wet Wt.	Selenium Mg/Kg dry wt*	Date Collected
CLINC009.5RO	LMB #1	12.5	0.96	0.15	0.41J	1.91	1/9/09
	LMB #2	11.6	0.72	0.25	0.47J	2.18	1/9/09
	LMB #3	13.9	1.3	0.06	0.36J	1.67	1/9/09
	LMB #4	12.5	0.9	0.05	0.47J	2.18	1/9/09
	LMB #5	14.0	1.27	0.13	0.66	3.07	1/12/09
	Channel Ca t#1	15.4	1.2	0.09	0.13U	NA	1/9/09
	Channel Cat #2	16.4	1.39	0.07	0.13U	NA	1/9/09
	Channel Cat #3	12.9	0.41	0.10	0.18J	0.84	1/12/09
	Channel Cat #4	19.1	2.3	0.17	0.21J	0.98	1/12/09
	Blue Cat #1	18.7	2.16	0.17	0.32J	1.49	1/9/09
	Blue Cat #2	18.8	2.16	0.29	0.14J	0.65	1/9/09
	Blue Cat #3	18.3	1.7	0.13	0.13U	NA	1/9/09
	Blue Cat #4	15.5	1.2	0.09	0.20J	0.93	1/9/09
	Blue Cat #5	15.6	1.02	0.12	0.25J	1.16	1/9/09
CLINC001.2RO	LMB #1	14.2	1.35	0.06	0.098J	0.46	1/9/09
	LMB #2	13.1	1.36	0.07	0.34J	1.58	1/9/09
	LMB #3	12.8	1.06	0.03	0.33J	1.53	1/9/09
	LMB #4	12.5	1.01	0.02	0.52	2.42	1/12/09
	Spotted Bass	16.6	2.4	0.10	0.34J	1.58	1/12/09
	Channel Cat #1	14.7	1.36	0.06	0.39J	1.81	1/9/09
	Channel Cat #2	17.6	2.18	0.37	0.15J	0.70	1/9/09
	Channel Cat #3	14.7	0.96	0.06	0.35J	1.63	1/12/09
	Channel Cat #4	14.4	0.8	0.07	0.54	2.51	1/12/09
	Channel Cat #5	15.9	1.1	0.04	0.42J	1.95	1/12/09

LMB = Large Mouth Bass

U = Undetected

J = Estimated value between MQL (Method Quantitation Level) and MDL (Method Detection Level)

\*Factor used to convert selenium from wet weight to dry weight was 4.65, per EPA guidance. (Assuming average moisture content of 78.5%.)

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### Emory River mile 8.0, mile 3.0

Station ID	Species	Length Inches	Wt Lbs	Mercury Mg/Kg Wet Wt.	Selenium Mg/Kg Wet Wt.	Selenium Mg/Kg dry wt*	Date Collected
EMORY008.0RO	LMB	12.1	0.67	0.18	0.48J	2.23	2/25/09
	Channel Cat #1	15.6	1.1	0.11	0.14J	0.65	1/26/09
	Channel Cat #2	17.0	1.79	0.11	0.24J	1.12	1/26/09
	Channel Cat #3	18.3	2.53	0.29	0.13U	NA	2/25/09
	LMB 13707 (TVA/ORNL)	17.3	2.8	0.17	0.36J	1.67	4/1/09
	LMB 13708 (TVA/ORNL)	12.0	0.7	0.18	0.31J	1.44	4/1/09
	LMB 13709 (TVA/ORNL)	15.0	1.5	0.22	0.31J	1.44	4/1/09
	LMB 13710 (TVA/ORNL)	14.4	1.6	0.17	0.44J	2.05	4/1/09
	LMB 13711 (TVA/ORNL)	18.0	3.3	0.20	0.33J	1.53	4/1/09
	Channel Cat 13718 (TVA/ORNL)	15.7	1.2	0.05	0.24J	1.12	4/1/09
	Channel Cat 13719 (TVA/ORNL)	16.7	1.4	0.05	0.23J	1.07	4/1/09
	Channel Cat 13720 (TVA/ORNL)	20.1	2.6	0.36	0.13U	NA	4/1/09
EMORY003.0RO	Largemouth Bass (Whole Body) TDEC	13.1 (ave.)	1.1 (ave)	0.09	0.97	4.51	3/11/09
	Redear Sunfish (Whole Body) TDEC	7.8 (ave.)	0.3 (ave)	0.04	1.1	5.12	3/11/09

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### Emory River mile 0.5

Station ID	Species	Length Inches	Wt Lbs	Mercury Mg/Kg Wet Wt.	Selenium Mg/Kg Wet Wt.	Selenium Mg/Kg dry wt*	Date Collected
EMORY000.5RO	LMB #1	14.8	1.73	0.16	0.43J	2.00	1/9/09
	LMB #2	13.1	1.1	0.07	0.74	3.44	1/9/09
	LMB #3	12.1	0.86	0.04	0.55	2.56	1/9/09
	LMB #4	11.5	0.69	0.03	0.49J	2.28	1/9/09
	LMB #5	14.0	1.27	0.05	0.60	2.79	1/12/09
	LMB #6	11.9	0.73	0.05	0.50	2.32	2/12/09
	LMB #7	11.3	0.6	0.05	0.81	3.77	2/12/09
	LMB #8	14.6	1.5	0.15	0.40J	1.86	2/12/09
	Channel Cat #1	18.0	2.32	0.07	0.18J	0.84	1/9/09
	Channel Cat #2	16.0	1.42	0.11	0.13U	NA	1/9/09
	Channel Cat #3	14.1	0.94	0.13	0.13U	NA	1/9/09
	Channel Cat #4	19.1	2.31	0.13	0.34J	1.58	1/12/09
	Blue Cat #1	16.5	1.64	0.08	0.29J	1.35	1/9/09
	Blue Cat #2	15.0	1.2	0.08	0.23J	1.07	1/9/09
	Blue Cat #3	20.2	2.92	0.11	0.30J	1.40	1/9/09
	Blue Cat #4	20.0	3.18	0.11	0.33J	1.53	1/9/09
	Blue Cat #5	16.2	1.42	0.07	0.25J	1.16	1/9/09

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