

**South River and Shenandoah River Fish Samples, Spring 2001**  
(data are for individual fillet samples)

Note: The data in these tables exclude the 5 smallest fish at sites where 15 smallmouth bass were collected

<b>South River at Ridgeview Park, Waynesboro (Control site upstream of DuPont) 1BSTH026.12</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury (ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	04/26/01	25.8	241	BVW	0.19	
Smallmouth Bass	04/26/01	29.6	364	BVW	0.4	
Smallmouth Bass	04/26/01	25.7	207	BVW	0.3	
Smallmouth Bass	04/26/01	29.8	358	BVW	0.3	
Smallmouth Bass	04/26/01	27.1	274	BVW	0.23	
Smallmouth Bass	04/26/01	31.6	387	BVW	0.55	
Smallmouth Bass	04/26/01	27.5	268	BVW	0.34	
Smallmouth Bass	04/26/01	22.9	166	BVW	0.18	
Smallmouth Bass	04/26/01	25.7	220	BVW	0.31	
Smallmouth Bass	04/26/01	27.1	266	BVW	0.24	
<b>Average for Smallmouth Bass</b>					0.30	0.28

<b>South River at Constitution Park, Waynesboro (Near DuPont Footbridge) 1BSTH025.10</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury(ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	04/27/01	22.2	152	BVW	0.34	
Smallmouth Bass	04/27/01	27	292	BVW	0.58	
Smallmouth Bass	04/27/01	24.5	213	BVW	0.58	
Smallmouth Bass	04/27/01	37.7	607	BVW	1.1	
Smallmouth Bass	04/27/01	28.4	335	BVW	0.98	
Smallmouth Bass	04/27/01	21.5	142	BVW	0.46	
Smallmouth Bass	04/27/01	36.5	665	BVW	1.11	
Smallmouth Bass	04/27/01	22.5	167	BVW	0.61	
Smallmouth Bass	04/27/01	15.9	52	BVW	0.38	
Smallmouth Bass	04/27/01	17.3	68	BVW	0.21	
<b>Average for Smallmouth Bass</b>					0.64	0.58

<b>South River at Hopeman Parkway 1BSTH022.75</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury(ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	04/26/01	27.5	308	BVW	1.18	
Smallmouth Bass	04/26/01	24.7	181	BVW	1.89	
Smallmouth Bass	04/26/01	23.8	175	BVW	2.81	
Smallmouth Bass	04/26/01	22.7	164	BVW	2.17	
Smallmouth Bass	04/26/01	29.1	352	BVW	1.72	
Smallmouth Bass	04/26/01	24	211	BVW	1.27	
Smallmouth Bass	04/26/01	19	106	BVW	1.45	
Smallmouth Bass	04/26/01	17.9	78	BVW	1.39	
Smallmouth Bass	04/26/01	25.1	217	BVW	1.78	
Smallmouth Bass	04/26/01	21	122	BVW	1.1	
<b>Average for Smallmouth Bass</b>					1.68	1.53
Largemouth Bass	04/26/01	35.9	814	BVW	1.66	
Largemouth Bass	04/26/01	39	1077	BVW	1.96	
Largemouth Bass	04/26/01	31.5	476	BVW	1.74	
Largemouth Bass	04/26/01	21.2	146	BVW	1.1	
Largemouth Bass	04/26/01	28.2	348	BVW	1.91	
<b>Average for Largemouth Bass</b>					1.67	1.52

<b>Shenandoah River below Warren Power Dam (Rt. 624 bridge) 1BSHN047.98</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury(ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	05/11/01	35	520	BVW	0.78	
Smallmouth Bass	05/11/01	38.4	665	BVW	0.91	
Smallmouth Bass	05/11/01	44.1	1088	BVW	0.88	
Smallmouth Bass	05/11/01	39.6	718	BVW	1.03	

Smallmouth Bass	05/11/01	29.3	273	BVW	0.81	
Smallmouth Bass	05/11/01	32.1	347	BVW	0.99	
Smallmouth Bass	05/11/01	25.7	160	BVW	0.4	
Smallmouth Bass	05/11/01	16	47	BVW	0.28	
Smallmouth Bass	05/11/01	21	110	BVW	0.67	
Smallmouth Bass	05/11/01	25.9	210	BVW	0.67	
<b>Average for Smallmouth Bass</b>					0.74	0.68

<b>Shenandoah River at Rt. 17/50 1BSHN038.48</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury(ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	05/04/01	46.4	1320	BVW	0.81	
Smallmouth Bass	05/04/01	46	1198	BVW	0.82	
Smallmouth Bass	05/04/01	36.8	528	BVW	0.88	
Smallmouth Bass	05/04/01	31.6	421	BVW	0.56	
Smallmouth Bass	05/04/01	35	483	BVW	0.78	
Smallmouth Bass	05/04/01	35	508	BVW	0.92	
Smallmouth Bass	05/04/01	28.5	292	BVW	0.62	
Smallmouth Bass	05/04/01	38.1	641	BVW	1.1	
Smallmouth Bass	05/04/01	27	233	BVW	0.63	
Smallmouth Bass	05/04/01	33.6	373	BVW	0.88	
<b>Average Smallmouth Bass</b>					0.80	0.73
Largemouth Bass	05/04/01	46	1632	BVW	0.93	
Largemouth Bass	05/04/01	43	1335	BVW	0.88	
Largemouth Bass	05/04/01	46	1443	BVW	0.8	
Largemouth Bass	05/04/01	38.4	838	BVW	0.54	
Largemouth Bass	05/04/01	40.1	1014	BVW	0.68	
Largemouth Bass	05/04/01	37.8	743	BVW	0.53	
Largemouth Bass	05/04/01	38.1	968	BVW	0.46	
Largemouth Bass	05/04/01	32.8	523	BVW	0.49	
Largemouth Bass	05/04/01	30	400	BVW	0.42	
Largemouth Bass	05/04/01	25.9	235	BVW	0.42	
<b>Average Largemouth Bass</b>					0.62	0.56

<b>Shenandoah River at Berryville (near Rt. 7 bridge) 1BSHN022.63</b>						
Species	Sample Date	Length (cm)	Weight (g)	Collector	Total mercury(ppm)	Estimated methyl mercury (ppm)*
Smallmouth Bass	05/02/01	28.5	301	LMC	0.69	
Smallmouth Bass	05/02/01	27.4	290	LMC	0.68	
Smallmouth Bass	05/02/01	28	320	LMC	0.63	
Smallmouth Bass	05/02/01	27.2	268	LMC	0.81	
Smallmouth Bass	05/02/01	25	187	LMC	0.69	
Smallmouth Bass	05/02/01	31.1	589	LMC	1.03	
Smallmouth Bass	05/02/01	30.6	385	LMC	0.85	
Smallmouth Bass	05/02/01	33	457	LMC	0.75	
Smallmouth Bass	05/02/01	27	261	LMC	0.69	
Smallmouth Bass	05/02/01	30	332	LMC	0.74	
<b>Average Smallmouth Bass</b>					0.76	0.69

\* Estimated methyl mercury is based on upper limit of the 95% confidence interval for percentage of total mercury composed of methyl me