

	Sample Collection Date	Flow (cu.ft/sec.)	Suspended solids (mg/L)	Sulfate (mg/L)	Total Hardness (mg/L)	Total Phosphorus (mg/L)	TOC (mg/L)	Ammonia-N (mg/L)
Pittsburgh	01/06/11	32,500	25	34.9	56	0.045	3.69	0.05
MP -7.4	03/09/11	80,900	41	27.1	48	0.093	2.14	0.05
(Allegheny)	05/11/11	36,600	17	43.6	72	0.035	2.51	0.03
S. Pittsburgh	01/06/11	14,800	11.3	117	128	0.052	1.67	0.1
MP -4.5	03/09/11	41,100	43.7	58.8	80	0.108	1.53	0.08
(Monongahela)	05/11/11	13,400	7.75	108	124	0.028	1.96	0.04
Beaver Falls	01/06/11	6,300	10	42.8	104	0.051	6.7	0.05
MP -5.3	03/09/11	12,600	21.5	43.7	88	0.1	3.51	0.08
(Beaver)	05/11/11	8,600	14.3	40.9	100	0.064	5.44	<0.03
New Cumberland	01/18/11	No	<1	<5	1	<0.01	<0.5	<0.03
MP 54.4	03/21/11	Flow	11.5	47.9	76	0.035	1.77	0.05
	05/26/11	Available	10.3	49.7	92	0.065	3.5	<0.03
Pike Island	01/18/11	18,500	5.89	58.2	92	0.07	2.83	0.14
MP 84.2	03/21/11	99,800	20.5	47.6	76	0.04	1.73	0.05
	05/26/11	69,800	10	51	92	0.027	3.1	<0.03
Hannibal	01/25/11	18,300	5.25	61	104	0.058	3.14	0.14
MP 126.4	03/29/11	73,000	12.8	54.5	80	0.038	1.94	0.07
	05/24/11	74,200	21	54.5	100	0.03	2.59	0.03
Willow Island	01/25/11	19,900	4	57.8	96	0.05	2.81	0.14
MP 161.8	03/22/11	100,000	20.7	49.8	80	0.066	1.88	0.05
	05/24/11	75,000	23.1	52.1	88	0.039	2.87	0.03
Marietta	01/25/11	3,500	3.75	120	268	0.122	3.96	0.11
MP -0.8	03/22/11	33,900	51.9	59.9	148	0.147	3.27	0.04
(Muskingum)	05/24/11	21,700	48.4	87.6	192	0.112	3.89	<0.03
Belleville	02/02/11	47,500	<1	<5	<1	<0.01	<0.5	0.04
MP 203.9	03/28/11	124,000	34	57.3	104	0.089	1.86	0.06
	05/25/11	96,500	44.9	56.8	112	0.078	3.6	<0.03
Winfield	01/10/11	No	8	32.8	64	0.027	1.48	0.04
MP -31.1	03/02/11	Flow	158	30.2	88	0.256	2.62	0.05

(Kanawha)	05/31/11	Available	9.33	31.2	68	0.028	2.1	<0.03
R.C. Byrd	02/02/11	69,100	20.9	54	100	0.082	2.65	0.1
MP 279.2	03/28/11	172,200	22.6	42	72	0.05	1.45	0.05
	05/25/11	126,600	24.6	44.4	84	0.054	3	0.03
Louisa	01/10/11	3,000	6.33	160	208	0.023	2.91	0.03
MP -20.3	03/02/11	26,900	918	75.4	124	0.579	5.54	0.04
(Big Sandy)	05/31/11	5,200	41.2	171	208	0.187	1.9	<0.03
Greenup	01/10/11	69,100	14.2	63.3	108	0.063	2.92	0.08
MP 341.0	03/08/11	327,800	133	48.2	84	0.212	3.39	0.06
	05/11/11	183,300	325	54.4	124	0.354	5.17	0.05
Lucasville	01/10/11	1,600	9.6	102	292	0.263	9.68	0.06
MP -15.0	03/02/11	30,200	184	51.8	192	0.469	6.55	0.08
(Scioto)	05/31/11	19,300	127	35.3	192	0.317	6.3	<0.03
Meldahl	01/10/11	72,700	16	62.6	108	0.079	2.38	0.12
MP 436.2	03/08/11	342,600	146	44.3	88	0.253	3.39	0.05
	05/11/11	202,400	42	53.2	116	0.093	3.68	<0.03
Newtown	01/05/11	1,300	7.81	40.8	248	0.104	5.98	<0.03
MP -7.5	03/10/11	15,500	132	23.1	148	0.366	5.76	0.03
(Little Miami)	05/11/11	1,700	36.4	22.1	160	0.179	6.48	0.04
Covington	01/05/11	4,400	27.5	37	164	0.112	4.98	<0.03
MP -4.7	03/10/11	28,400	45	27.6	112	0.312	5.48	0.03
(Licking)	05/11/11	14,000	47.4	30.3	112	0.102	2.66	<0.03
Anderson Ferry	01/18/11	43,100	8.87	70.8	124	0.077	3.36	0.15
MP 477.5	03/08/11	368,800	109	43	96	0.245	4.05	0.07
	05/24/11	241,900	76.6	50.8	120	0.184	2.98	<0.03
Elizabethtown	01/05/11	No	25	50.6	260	0.218	7.42	0.05
MP -5.2	03/10/11	Flow	157	26.3	212	0.437	5.31	0.07
(Great Miami)	05/11/11	Available	78.3	40.3	276	0.238	5.24	0.04
Markland	01/18/11	56,800	6.8	65	124	0.066	2.91	0.19
MP 531.5	03/08/11	408,900	155	40.4	84	0.319	4.56	0.06
	05/25/11	249,600	70	49.1	132	0.137	3.26	<0.03
Louisville	01/26/11	67,600	8.7	68.5	140	0.082	2.75	0.19
MP 600.6	03/28/11	268,300	47.6	55.1	152	0.109	2.48	0.07
	05/18/11	247,800	172	54	148	0.168	2.54	0.04
McAlpine	01/26/11	67,600	6.91	65.4	136	0.102	2.8	0.23

MP606.8	03/28/11	268,300	64.9	53.4	112	0.136	2.15	0.04
	05/18/11	247,800	146	53.5	152	0.181	2.92	0.04
West Point	01/26/11	67,600	14.7	88.2	172	0.14	3.18	0.42
MP 625.9	03/28/11	268,300	44.9	52.9	112	0.122	2.23	0.05
	05/18/11	247,800	234	54.8	164	0.307	3.76	0.08
Cannelton	01/26/11	51,200	9.5	65.4	132	0.086	2.45	0.16
MP 720.7	03/30/11	256,700	61.2	52	116	0.128	2.38	0.04
	05/24/11	317,900	96.6	60.6	140	0.163	2.3	<0.03
Sebree	01/06/11	No	38.5	65.2	148	0.069	3.68	0.04
MP -41.3 (Green)	03/10/11	Flow	46	43	104	0.378	3.93	<0.03
	05/12/11	Available	14.6	32.6	116	0.052	5.82	<0.03
Newburgh	01/06/11	192,300	93.3	64.4	144	0.182	4.15	0.08
MP 776.1	03/10/11	572,900	67.3	49.8	116	0.283	3.79	0.05
	05/12/11	445,700	68.4	50.4	132	0.162	4.47	<0.03
J.T. Myers	01/06/11	221,000	65.2	59.4	128	0.133	4.78	0.1
MP 846.0	03/10/11	705,400	112	40.4	112	0.281	3.2	0.04
	05/23/11	368,900	110	56.9	132	0.19	2.61	<0.03
Route 62 Bridge	01/06/11	32,400	211	54.1	248	0.343	9.1	0.08
MP -28.5 (Wabash)	03/10/11	143,800	45.3	29.7	140	0.263	5.29	0.03
	05/12/11	198,000	15.3	31.5	128	0.117	5.93	<0.03
Smithland	01/27/11	70,400	11.8	73.4	148	0.099	2.53	0.1
MP 918.5	03/29/11	392,900	74.7	47.2	136	0.193	3.58	0.04
	05/23/11	363,900	113	48.4	148	0.209	3.9	0.03
Pinkneyville	01/27/11	10,000	7.43	28.4	108	0.067	2.13	0.03
MP -16.0 (Cumberland)	03/16/11	69,000	17	22.1	100	0.087	1.94	0.03
	05/24/11	37,000	24.5	21	108	0.084	1.38	<0.03
Paducah	01/27/11	58,000	8.8	15.9	76	0.086	2.2	0.04
MP -6.0 (Tennessee)	03/16/11	134,000	11	14.5	76	0.07	1.6	0.05
	05/24/11	50,000	8.25	11.8	68	0.054	2.18	0.05
Lock & Dam 52	01/27/11	No	15.8	73.2	152	0.099	2.54	0.1
MP 938.9	03/16/11	Flow	14.4	34.9	104	0.192	4.93	0.07
	05/23/11	Available	77	42	144	0.287	5.15	0.09

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.53	0.848	18	<5	
0.638	0.795	16	<5	
0.362	0.479	18	<5	
0.78	0.771	32	<5	<0.005
0.638	0.754	20	<5	<0.005
0.434	0.255	18	<5	
1.16	0.894	46	<5	<0.005
1.14	1.04	44	<5	<0.005
0.637	0.693	34	<5	
0.661	<0.1	<1	<5	<0.005
0.679	0.606	24	<5	<0.005
0.485	0.419	18	<5	
0.749	0.732	36	<5	<0.005
0.71	0.403	22	<5	<0.005
0.491	0.446	20	<5	
0.947	0.514	54	<5	<0.005
0.572	0.443	24	<5	<0.005
0.493	0.594	18	<5	
0.852	0.485	40	<5	<0.005
0.672	0.632	22	<5	<0.005
0.526	0.668	18	<5	
2.2	0.421	66	<5	
1.71	1.17	28	<5	
0.974	0.901	28	<5	
<0.1	<0.1	<1	<5	<0.005
0.823	0.545	26	<5	<0.005
0.609	0.658	20	<5	
0.587	0.443	18	<5	
0.699	0.845	8	<5	

0.401	0.494	10	<5	
0.832	0.715	34	<5	<0.005
0.605	0.408	14	<5	<0.005
0.526	0.619	14	<5	
0.663	0.385	24	<5	
0.603	2.95	10	<5	
0.417	0.324	14	<5	
0.823	0.667	32	<5	
0.755	1.34	18	<5	
0.451	1.13	14	<5	
3.64	0.817	72	<5	
3.49	1.26	56	<5	
2.19	1.35	22	<5	
0.854	0.696	28	<5	
0.985	0.712	22	<5	
0.725	0.565	18	<5	
2.82	0.812	76	<5	
1.4	1.7	32	<5	
1.7	1.25	22	<5	
3.13	0.958	26	<5	
1.31	0.949	10	<5	
0.707	0.587	8	<5	
0.937	0.651	36	<5	
1.15	1.6	26	<5	
0.598	0.951	22	<5	
6.22	1.1	64	<5	
2.81	1.42	32	<5	
3.15	0.804	38	<5	
1.03	0.638	40	<5	
1.34	1.5	24	<5	
0.747	1.04	20	<5	
1.32	0.496	42	<5	
1.38	0.793	22	<5	
0.89	0.922	16	<5	
1.32	0.623	44	<5	

1.03	0.769	24	<5
0.85	0.892	18	<5
1.38	1	48	<5
1.05	0.833	24	<5
0.807	1.27	18	<5
1.31	0.657	50	<5
0.969	0.511	20	<5
0.819	0.83	20	<5
1.46	0.952	12	<5
1.54	0.906	8	<5
0.508	0.495	6	<5
1.2	1.01	34	<5
1.44	0.821	28	<5
0.892	0.516	16	<5
1.11	0.871	32	<5
1.42	0.968	28	<5
0.848	1.16	18	<5
4.13	1.2	40	<5
2.92	1.24	20	<5
1.27	0.757	10	<5
1.7	0.492	40	<5
1.48	0.805	20	<5
1.11	0.904	20	<5
0.352	0.558	8	<5
0.949	0.634	8	<5
0.479	0.873	6	<5
0.409	0.568	16	<5
0.475	0.552	12	<5
0.324	0.567	8	<5
1.62	0.553	38	<5
1.63	1.08	20	<5
0.848	1.83	14	<5