

	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	01/15/13	51,000	31	45.2	63.7	0.018	2.3	<0.03
MP -7.4	03/20/13	26,000	<5	37.6	68.6	<0.01	1.8	<0.03
(Allegheny)	05/06/13	10,600	7	65.2	82.4	<0.01	1.7	0.032
S. Pittsburgh	01/15/13	31,300	10	88	93.2	<0.01	1.5	<0.03
MP -4.5	03/20/13	29,500	<5	84.1	88.1	<0.01	1.3	<0.03
(Monongahela)	05/06/13	3,800	7	132	123	<0.01	1.5	<0.03
Beaver Falls	01/15/13	9,300	14	53.5	100	0.053	3.8	<0.03
MP -5.3	03/20/13	7,400	<5	75.5	139	0.024	3.6	<0.03
(Beaver)	05/06/13	2,100	13	74.3	147	0.063	4.3	<0.03
New Cumberland	01/09/13	No	8	75.6	107	0.016	2.1	0.12
MP 54.4	03/20/13	Flow	13	55.2	96.2	<0.01	2.3	<0.03
	05/14/13	Available	8	102	104	0.024	1.9	<0.03
Pike Island	01/09/13	26,600	<5	79	110	0.024	2.1	<0.03
MP 84.2	03/20/13	68,800	<5	56.2	90.5	<0.01	2	<0.03
	05/14/13	42,300	9	117	121	0.028	1.8	<0.03
Hannibal	01/14/13	99,600	19	85.9	122	0.065	2.1	0.038
MP 126.4	03/19/13	62,500	5	70.6	107	<0.01	1.9	<0.03
	05/21/13	20,600	7	103	117	<0.01	1.7	<0.03
Willow Island	01/14/13	101,600	20	84.5	118	0.063	2	<0.03
MP 161.8	03/19/13	71,000	6	70.7	109	<0.01	1.8	<0.03
	05/21/13	21,000	5	96.6	120	<0.01	1.9	<0.03
Marietta	01/14/13	27,600	233	84.5	170	0.23	4	<0.03
MP -0.8	03/19/13	15,500	64	91.9	194	0.059	3.1	<0.03
(Muskingum)	05/16/13	5,000	22	139	218	0.022	3	<0.03
Belleville	01/17/13	132,300	43	80.9	118	0.071	2.6	<0.03
MP 203.9	03/27/13	74,800	10	57	110	<0.01	2.4	<0.03
	05/16/13	40,600	<5	82.1	125	<0.01	2.2	<0.03
Winfield	01/08/13	No	<5	56	76	<0.01	1.3	<0.03

MP -31.1 (Kanawha)	03/27/13	Flow	16	35.5	63.8	<0.01	1.7	<0.03
	05/06/13	Available	6	40.8	74.7	<0.01	1.4	<0.03
R.C. Byrd	01/17/13	218,400	79	32.1	71.5	0.032	2	<0.03
MP 279.2	03/27/13	117,500	28	43.1	81.6	0.02	2	<0.03
	05/16/13	66,500	13	46.1	87.7	0.038	2	<0.03
Louisa	01/08/13	4,100	<5	164	183	<0.01	1.3	<0.03
MP -20.3 (Big Sandy)	03/27/13	12,100	72	116	148	0.02	1.7	<0.03
	05/06/13	3,600	13	147	199	0.022	1.5	<0.03
Greenup	01/07/13	69,100	6	78.5	103	<0.01	2.1	<0.03
MP 341.0	03/27/13	139,100	19	57.5	97.5	0.03	2.2	<0.03
	05/30/13	40,200	<5	66.9	113	<0.01	1.9	<0.03
Lucasville	01/08/13	3,100	12	113	280	0.23	4.4	<0.03
MP -15.0 (Scioto)	03/27/13	6,600	15	57	206	0.098	3.8	<0.03
	05/06/13	3,800	27	76.3	251	0.15	4.2	<0.03
Meldahl	01/07/13	73,300	10	66.5	103	<0.01	2.6	<0.03
MP 436.2	03/27/13	146,900	32	55.5	111	<0.01	2.4	<0.03
	05/30/13	45,600	5	64.8	114	0.022	2.1	<0.03
Newtown	01/09/13	300	<5	66.5	290	0.23	3.4	<0.03
MP -7.5 (Little Miami)	03/20/13	3,800	67	30.7	191	0.16	5.2	<0.03
	05/01/13	700	20	47.7	238	0.13	4	<0.03
Covington	01/09/13	2,900	9	47.5	145	0.036	2.3	<0.03
MP -4.7 (Licking)	03/20/13	34,200	219	16.2	120	0.59	5.1	<0.03
	05/01/13	4,100	119	18.4	140	0.22	5.1	<0.03
Elizabethtown	01/09/13	No	<5	75.2	345	0.19	3	<0.03
MP -5.2 (Great Miami)	03/20/13	Flow	89	37.3	278	0.15	4.3	<0.03
	05/01/13	Available	34	51.8	292	0.15	3.4	<0.03
Markland	01/10/13	71,000	9	65.5	119	0.018	2.3	<0.03
MP 531.5	03/26/13	154,400	57	52	126	0.08	3.1	<0.03
	05/09/13	128,500	10	49.5	120	0.09	4.1	<0.03
McAlpine	01/10/13	80,400	6	65.8	123	<0.01	2.4	<0.03
MP 606.8	03/26/13	185,300	88	52.1	124	0.092	2.8	<0.03
	05/09/13	150,600	16	57.3	137	0.096	3.1	<0.03
Cannelton	01/29/13		13	54.8	109	0.059	2.7	<0.03
MP 720.7	03/26/13	197,100	95	48.1	119	0.11	3.1	<0.03
	05/07/13	172,100	28	58	137	0.071	2.9	<0.03

Sebree MP -41.3 (Green)	01/29/13	No	35	52.4	124	0.047	3.3	<0.03
	03/26/13	Flow	54	49.2	125	0.073	3.9	<0.03
	05/07/13	Available	92	32.9	100	0.088	3.7	0.062
Newburgh MP 776.1	01/29/13		19	57.1	114	0.088	2.7	<0.03
	03/26/13	296,600	150	53.5	124	0.15	3.2	<0.03
	05/07/13	199,500	57	64	126	0.11	3.5	<0.03
J.T. Myers MP 846.0	01/30/13	143,800	42	57.1	113	0.12	2.8	<0.03
	03/27/13	346,400	156	52.7	121	0.17	3.4	<0.03
	05/08/13	348,300	75	60.9	122	0.14	3.2	<0.03
Route 62 Bridge MP -28.5 (Wabash)	01/30/13	No	109	65.7	220	0.39	4.2	0.056
	03/27/13	Flow	27	49	213	0.1	4.4	<0.03
	05/08/13	Available	23	48.2	190	0.17	5	<0.03
Smithland MP 918.5	01/30/13	156,700	61	61.1	136	0.12	3.9	<0.03
	03/27/13	437,000	96	46.4	139	0.21	4.2	<0.03
	05/08/13	335,100	46	49.4	157	0.15	4.5	0.15
Pinkneyville MP -16.0 (Cumberland)	01/29/13	45,000	10	29.3	123	0.082	2.3	<0.03
	03/26/13	35,000	<5	18.9	99.3	0.075	2.5	<0.03
	05/07/13	112,000	16	19.1	94.5	0.073	2.2	<0.03
Paducah MP -6.0 (Tennessee)	01/29/13	176,000	17	16.1	63.8	0.073	2.6	<0.03
	03/26/13	70,000	<5	11.6	69.1	0.024	2.2	<0.03
	05/07/13	173,000	6	12.4	64	0.043	2.1	<0.03
Lock & Dam 52 MP 938.9	01/30/13	No	199	68.6	126	0.46	4.7	<0.03
	03/27/13	Flow	103	41	125	0.18	4.7	<0.03
	05/08/13	Available	62	47.5	154	0.14	4.3	<0.03

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.67	<0.1	20.6	<0.01	<0.005
0.62	0.15	27.1	<0.01	<0.005
0.41	0.2	21.8	<0.01	
0.63	<0.1	21.3	<0.01	<0.005
0.48	0.11	25.2	<0.01	<0.005
0.61	0.21	31.5	<0.01	
1	<0.1	39.6	<0.01	<0.005
1	0.58	112	<0.01	<0.005
0.8	0.61	62.3	<0.01	
0.82	<0.1	44.7	<0.01	<0.005
0.77	0.44	42.9	<0.01	<0.005
0.63	0.29	29.8	<0.01	
0.78	<0.1	48.7	<0.01	<0.005
0.71	0.38	31	<0.01	<0.005
0.67	0.22	30.7	<0.01	
0.94	0.33	48.5	<0.01	<0.005
0.67	0.41	32	<0.01	<0.005
0.28	0.29	28.7	0.031	
0.86	<0.1	52.4	<0.01	<0.005
0.65	0.45	35.8	<0.01	<0.005
0.61	0.24	30.7	<0.01	
1.9	0.11	39.6	<0.01	
1.3	0.62	35.4	<0.01	
0.96	1	40.9	<0.01	
1.1	0.18	64.7	<0.01	<0.005
0.76	0.33	38.3	<0.01	<0.005
0.65	0.35	32.7	0.014	
0.56	<0.1	13	<0.01	

0.5	0.2	10.7	<0.01	
0.47	0.44	11.1	0.019	
0.62	0.23	15	<0.01	<0.005
0.66	0.52	20.8	<0.01	<0.005
0.53	0.33	20	<0.01	
0.45	<0.1	37.5	<0.01	
0.35	<0.1	11	<0.01	
0.29	0.18	13.8	<0.01	
0.83	<0.1	73.6	<0.01	
0.56	0.15	17.8	<0.01	
0.57	0.7	20.3	<0.01	
2.8	0.38	119	<0.01	
2.6	0.56	39.1	<0.01	
2.7	0.59	39.2	<0.01	
1.8	<0.1	28.1	<0.01	
0.8	0.15	22.5	<0.01	
0.53	0.65	20.4	<0.01	
2.3	<0.1	123	<0.01	
1.7	0.94	36.8	<0.01	
1.9	0.51	51.5	<0.01	
1	<0.1	84.8	<0.01	
0.9	0.33	7.6	<0.02	
0.47	0.42	8.6	<0.01	
3.6	0.18	125	<0.01	
4.6	1.2	42.8	<0.01	
4.2	0.56	44.4	<0.01	
0.96	<0.1	35.6	<0.01	
1	0.71	26.6	<0.01	
0.77	0.39	17.7	<0.01	
0.94	<0.1	23.6	<0.01	
0.97	0.91	24.6	<0.01	
0.95	0.4	17.6	<0.01	
1	<0.1	19.5	<0.01	
0.97	0.53	26.3	<0.01	
1.1	0.38	19.3	<0.01	

1.4	0.12	9.5	<0.01
1.2	0.62	7.8	<0.01
1.1	0.51	5.9	<0.01
1.1	<0.1	19.8	<0.01
0.98	0.7	24.8	<0.01
1.2	0.51	17.1	<0.01
1.1	<0.1	20.3	<0.01
0.95	0.85	26.1	<0.01
1.2	0.4	16.3	<0.01
3	0.22	27.7	<0.01
3.1	0.53	26.6	<0.01
3.7	0.67	18.8	<0.01
1.7	0.24	20.2	<0.01
1.5	0.69	25	<0.01
2.6	1.1	17.9	<0.01
0.85	<0.1	6.5	<0.01
0.85	0.19	5.8	<0.01
0.65	0.31	4.9	<0.01
0.43	<0.1	7.6	<0.01
0.45	0.45	8.2	<0.01
0.32	0.26	6	<0.01
1.5	<0.1	17.1	<0.01
1.4	0.53	23.7	<0.01
2.5	1.1	16.9	0.024