

	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	07/07/11	5,500	3	73.1	105	0.015	2.63	0.03
MP -7.4	09/07/11	8,700	8	82.9	126	0.021	2.47	0.04
(Allegheny)	11/08/11	16,600	5	36.2	82	<0.01	2.25	0.05
S. Pittsburgh	07/07/11	8,600	7	124	123	0.021	2.36	0.06
MP -4.5	09/07/11	72,000	360	115	130	0.36	3.34	0.07
(Monongah)	11/08/11	10,200	13	52	89	0.017	2.19	0.08
Beaver Fall	07/07/11	1,100	6	56.9	144	0.1	5	0.03
MP -5.3	09/07/11	1,800	14	42.1	147	0.13	4.96	<0.03
(Beaver)	11/08/11	2,400	7	37.3	133	0.054	4.69	0.03
New Cumberland	07/21/11	No	3	126	136	0.025	2.74	0.05
MP 54.4	09/08/11	Flow	23	108	151	0.028	2.62	0.03
	11/16/11	Available	7	49.7	113	0.047	2.49	0.08
Pike Island	07/21/11	10,200			144	0.019	2.49	<0.03
MP 84.2	09/08/11	83,100	31	92.7	147	0.035	2.53	0.07
	11/16/11	61,300	10	48.2	113	0.033	2.45	0.06
Hannibal	07/19/11	8,800	16	127	143	0.018	2.5	0.06
MP 126.4	09/14/11	29,400	4	80.2	111	0.015	3.03	0.02
	11/09/11	25,700	6	47.9	100	0.029	2.6	0.02
Willow Island	07/19/11	27,200	8	120	142	0.017	2.6	0.05
MP 161.8	09/14/11	27,200	5	108	134	0.015	2.58	0.02
	11/09/11	26,500	7	48.3	97	0.04	2.53	0.02
Marietta	07/19/11	2,500	18	147	218	0.086	3.5	0.12
MP -0.8	09/14/11	3,900	25	106	271	0.095	3.36	<0.03
(Muskingum)	11/09/11	6,000	19	87.2	218	0.07	3.49	<0.03
Bellefonte	07/26/11	35,400	8	122	164	0.035	3.01	0.14
MP 203.9	09/12/11	46,900	16	77.3	147	0.033	3.21	0.03
	11/14/11	25,600	3	54.4	125	0.037	2.73	0.05
Winfield	07/13/11	No	78	68.2	218	0.25	4.48	0.03
MP -31.1	09/14/11	Flow	8	28.9	76	0.015	2.27	0.02

(Kanawha)	11/30/11	Available	39	33.8	55	<0.01	2.57	0.1
R.C. Byrd	07/26/11	40,000	7	116	151	0.033	2.84	0.08
MP 279.2	09/12/11	55,300	23	68	130	0.038	2.75	<0.03
	11/14/11	33,500	15	48.5	110	0.053	2.53	0.05
Louisa	07/13/11	4,000	200	191	191	0.15	2.65	0.05
MP -20.3	09/14/11	2,200	40	181	242	0.015	2.93	<0.03
(Big Sandy)	11/30/11	9,600	70	113	150	<0.01	2.07	0.05
Greenup	07/27/11	47,900	8	114	147	0.028	2.69	<0.03
MP 341.0	09/15/11	45,100	10	86.3	145	0.038	2.89	<0.03
	11/08/11	57,300	18	62.5	122	0.042	2.64	0.03
Lucasville	07/13/11	5,100	6	64.9	93	0.026	1.94	0.11
MP -15.0	09/14/11	2,400	31	60.8	241	0.241	4.87	<0.03
(Scioto)	11/30/11	39,200	120	35.5	150	0.147	5.63	0.06
Meldahl	07/27/11	55,300	8	94	146	0.036	2.89	0.12
MP 436.2	09/15/11	51,600	7	97.9	157	0.038	2.77	<0.03
	11/08/11	63,600	18	51.4	123	0.051	3.2	0.03
Newtown	07/18/11	300	38	34.8	175	0.33	5.3	0.05
MP -7.5	09/14/11	200	15	25.5	265	0.27	3.32	<0.03
(Little Miar	11/08/11	400	7	23.6	250	0.179	3.92	<0.03
Covington	07/18/11	12,900	480	14.8	72	0.68	6.2	0.03
MP -4.7	09/14/11	400	16	26.3	111	0.049	3.16	<0.03
(Licking)	11/08/11	1,800	15	27.9	174	0.108	3.66	<0.03
Elizabethto	07/18/11	No	36	57.7	215	0.15	3.8	0.05
MP -5.2	09/14/11	Flow	12	37.9	303	0.231	3.14	<0.03
(Great Miar	11/08/11	Available	13	35.6	306	0.151	3.48	<0.03
Markland	07/18/11	36,600	2	87.5	155	0.062	3.1	0.1
MP 531.5	09/15/11	64,800	6	95.2	170	0.045	3.1	<0.03
	11/21/11	197,600	41	45.7	129	0.062	3.68	0.02
McAlpine	07/18/11	36,900	<5	71.3	137	0.048	3	<0.03
MP 606.8	09/15/11	73,600	15	102	177	0.045	2.85	<0.03
	11/21/11	232,300	150	50.2	146	0.183	3.53	0.03
Cannelton	07/12/11	61,500	10	48	131	0.067	3.31	0.03
MP 720.7	09/29/11	92,300	10	81.9	172	0.042	2.94	<0.03
	11/16/11	75,100	11	46.1	133	0.072	3.76	0.06
Sebree	07/14/11	No	42	38.8	127	0.075	3.18	0.04

MP -41.3 (Green)	09/08/11 11/03/11	Flow Available	21 11	128 43.4	232 153	0.022 <0.01	2.87 2.88	0.05 0.07
Newburgh MP 776.1	07/14/11 09/08/11 11/03/11	102,000 41,100 168,300	24 21 46	61 78.2 58.8	140 181 153	0.077 0.028 0.09	3.41 3.07 3.88	0.03 <0.03 0.04
J.T. Myers MP 846.0	07/14/11 09/08/11 11/03/11	149,200 37,000 186,500	25 22 78	50.3 86.6 56.7	126 194 149	0.1 0.022 0.101	3.52 3.05 3.69	0.03 0.04 0.03
Route 62 B MP -28.5 (Wabash)	07/14/11 09/08/11 11/03/11	31,000 6,300 11,900	50 27 52	39.2 59.3 55	175 242 249	0.11 0.035 0.111	3.47 3.72 4.61	0.03 <0.03 0.04
Smithland MP 918.5	07/13/11 09/28/11 11/17/11	128,400 140,000 114,100	15 36 22	34.5 81.2 51.1	119 168 152	0.11 0.072 0.086	3.97 3.37 4.03	0.06 0.03 0.03
Pinkneyville MP -16.0 (Cumberlar	07/13/11 09/08/11 11/16/11	15,000 30,000 17,000	21 28 72	18.7 14.3 20.2	69 66 90	0.071 0.06 0.111	2.44 2.34 3.69	0.11 <0.03 0.03
Paducah MP -6.0 (Tennessee	07/13/11 09/08/11 11/16/11	25,000 46,000 47,000	10 10 5	9.2 9.91 12.4	46 56 66	0.06 0.056 0.079	2.49 2.38 2.79	0.11 0.03 0.04
Lock & Dam 52 MP 938.9	07/13/11 09/28/11 11/17/11	No Flow Available	30 52 68	29.9 98.5 50.3	109 178 153	0.13 0.078 0.119	3.83 3.3 4.11	0.11 0.05 0.03

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.67	0.17	28.4	0.0017	
0.53	0.09	36	<5	
0.64	<0.1	23.1	2	<5
0.84	0.25	25.5	<0.005	
0.64	0.16	21.1	<5	
0.74	<0.1	16.2	2.3	<5
1.3	0.5	55.3	<0.005	
1.5	0.34	53.1	<5	
1.2	0.28	37.2	4.9	<5
0.92	0.42	42.1	<5	
0.89	0.12	32	<5	
1	0.22	27.5	2.1	<5
0.92	0.31		<5	
0.93	0.16	40.1	<5	
0.91	0.19	23.7	3.5	<5
0.67	0.29	45.2	2.3	
1	0.13	23.3	<5	
0.86	<0.1	22.8	3.4	
0.76	0.25	43.8	2.6	
1	0.09	31.9	1.5	
0.8	<0.1	24.3	3.8	
0.6	0.44	61.7	3.4	
1.2	0.35	52.6	<5	
1.8	0.09	35.7	2.4	
0.57	0.27	48	2.6	
1.3	0.18	44.8	2.6	
0.94	0.24	25.5	3	<5
1.6	0.33	<1	3.6	
0.81	0.1	13.9	1.6	

0.68	0.19	8.14	2.4	
0.71	0.19	36.5	2.5	
1	0.14	38	<5	
0.84	0.15	23.4	2.7	<5
0.58	0.17	21.4	3.2	
0.83	<0.1	18.2	<5	
0.57	0.08	12	2.6	
0.68	0.34	33.1	3.6	
1.2	0.1	40.7	<5	
0.7	<0.1	21.8	1.6	
0.49	0.23	17.4	3.4	
1.8	0.39	55.8	2.1	
1.9	0.53	18.4	2.6	
0.63	0.4	30.6	3.2	
1	0.1	39.4	<5	
0.96	<0.1	23.2	4	
1.9	0.55	49.9	2.9	
2.8	0.32	88.9	<5	
2.3	0.18	53.8	4.4	
0.38	0.31	5.46	4.4	
0.38	<0.1	8.51	<5	
1.1	0.12	12.4	3.1	
0.34	0.48	72.2	3.9	
2.6	0.29	78.7	<5	
3	0.2	50.8	4	
0.93	0.42	39.7	2.8	
1.1	0.13	40.9	<5	
0.9	0.32	21.6	4.3	
0.94	0.27	30.5	3	
0.99	0.11	44.9	<5	
0.91	0.28	19.5	1.6	
1.6	0.22	23.8	<5	
1.2	0.27	40.4	3.2	
1.1	0.26	21	8.6	
1.5	0.41	7	2.2	

0.56	0.11	14.4	<5
0.71	0.13	11.1	3.1
1.7	0.25	23.4	3.1
0.83	0.14	36.6	<5
1.4	0.11	24.4	2.5
1.6	<0.1	20.2	2.1
0.73	0.15	36.5	<5
1.4	0.16	23.3	2.7
2.1	0.32	23.6	<5
<0.05	0.25	46.9	<5
3.7	0.4	41	2.2
1.7	0.58	15.2	2.2
0.91	0.35	37.6	2.9
1.4	0.29	24.1	13
0.27	0.19	5.82	2.7
0.11	0.12	10	<5
0.58	0.19	9.15	8.9
0.11	0.29	9	<5
0.13	0.09	13.5	<5
0.42	0.19	11.9	7
1.5	0.55	15.3	<5
0.92	0.35	38	2.6
1.3	0.26	23.4	4.2