

	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	01/18/10	15,400	16	57	116	0.055	2.29	0.13
MP -7.4	03/04/10	9,000	2.44	82	124	0.02	1.5	0.12
(Allegheny)	05/06/10	14,900	6.4	59	84	0.09	2.56	0.03
S. Pittsburgh	01/18/10	21,900	28.6	96	116	0.09	2.69	0.14
MP -4.5	03/04/10	13,800	14.5	98	140	0.04	1.65	0.13
(Monongahela)	05/06/10	21,600	16	100	112	0.057	2.63	0.05
Beaver Falls	01/18/10	5,700	19	70	180	0.149	5.17	0.22
MP -5.3	03/04/10	3,500	4	68	180	0.074	3.66	0.14
(Beaver)	05/06/10	1,900	37.4	67	148	1.31	6.21	0.03
New Cumberland	01/18/10	No	4.6	70	128	0.056	1.91	0.17
MP 54.4	03/17/10	Flow	26.6	42	72	0.087	3.23	0.05
	05/12/10	Available	4.91	66	100	0.065	3.1	0.04
Pike Island	01/18/10	41,500	22.6	69	120	0.102	2.31	0.18
MP 84.2	03/17/10	124,800	52.7	43	72	0.147	3.17	0.06
	05/12/10	34,900	5.45	76	116	0.063	2.69	0.03
Hannibal	01/20/10	71,700	16	72	120	0.067	2.18	0.17
MP 126.4	03/18/10	122,200	35.1	44	76	0.098	3.04	0.05
	05/19/10	67,300	46	67	60	0.057	2.84	0.03
Willow Island	01/20/10	73,100	27.6	68	116	0.197	2.15	0.15
MP 161.8	03/18/10	125,700	34	43	80	0.101	3.03	0.05
	05/19/10	78,400	28.8	65	100	0.051	2.89	<0.03
Marietta	01/19/10	9,100	88.8	96	220	0.225	5.38	0.09
MP -0.8	03/24/10	24,200	94	72	172	0.198	5.48	<0.03
(Muskingum)	05/13/10	No Data	30.3	140	252	0.161	4.9	<0.03
Belleville	01/19/10	107,100	62.7	68	120	0.137	3.24	0.1
MP 203.9	03/24/10	141,500	76.7	56	100	0.581	3.85	0.04
	05/13/10	No Data	15.6	120	148	0.066	2.83	<0.03
Winfield	01/05/10	No	4	34	60	0.029	1.61	<0.03
MP -31.1	03/16/10	Flow	112	24	48	0.237	3.83	0.03

(Kanawha)	05/04/10	Available	109	42	48	0.189	5.7	<0.03
R.C. Byrd	01/19/10	183,200	36.2	44	88	0.089	2.46	0.06
MP 279.2	03/24/10	199,000	37.3	39	72	0.075	2.39	0.04
	05/13/10	No Data	32	78	120	0.106	2.94	0.04
Louisa	01/05/10	4,800	7	150	164	0.026	2.21	0.04
MP -20.3	03/16/10	11,800	99.5	98	132	0.159	4.52	<0.03
(Big Sandy)	05/04/10	27,500	592	53	132	0.623	10.8	<0.03
Greenup	01/13/10	41,200	4.6	62	104	0.042	2.12	0.07
MP 341.0	03/24/10	191,000	42.5	52	84	0.329	2.87	0.04
	05/19/10	203,700	125	78	112	0.121	3.07	<0.03
Lucasville	01/05/10	3,200	9.6	78	272	0.176	4.72	0.06
MP -15.0	03/16/10	30,000	136	42	192	0.422	10.4	0.07
(Scioto)	05/04/10	25,400	212	37	144	0.293	7.8	0.08
Meldahl	01/13/10	44,200	8.8	60	112	0.064	2.34	0.07
MP 436.2	03/24/10	179,400	53.2	45	100	0.922	3.87	0.04
	05/19/10	172,800	80.5	72	116	0.118	3.86	<0.03
Newtown	01/14/10	400	2.2	48	316	0.24	3.45	<0.03
MP -7.5	03/12/10	4,000	45.1	35	240	0.256	5.57	0.06
(Little Miami)	05/05/10	1,900	22	32	172	0.194	6.83	0.05
Covington	01/14/10	1,700	1.6	43	180	0.052	2.07	<0.03
MP -4.7	03/12/10	1,700	10	45	168	0.056	2.17	<0.03
(Licking)	05/05/10	59,900	85	5	84	0.582	9.01	0.04
Anderson Ferry	01/12/10	47,000	60.3	60	120	0.132	2.79	0.11
MP 477.5	03/23/10	190,900	73	44	104	0.195	4.2	0.07
	05/20/10	216,400	72	78	120	0.091	3.54	0.04
Elizabethtown	01/14/10	No	7.6	64	356	0.201	2.68	0.07
MP -5.2	03/12/10	Flow	186	32	244	0.564	10.5	0.09
(Great Miami)	05/05/10	Available	18.6	38	260	0.149	4.6	0.07
Markland	01/12/10	49,200	58.8	56	128	0.138	3.07	0.08
MP 531.5	03/23/10	212,800	57	42	116	0.159	4.16	0.05
	05/26/10	136,400	37.7	48	116	0.102	4.54	0.04
Louisville	01/26/10	323,000	161	49	152	0.269	6.35	0.06
MP 600.6	03/16/10	414,400	73	64	148	0.208	4.58	0.06
	05/20/10	222,000	85.5	75	140	0.129	3.49	<0.03
West Point	01/26/10	323,000	129	54	132	0.208	5.98	0.07

MP 625.9	03/16/10	414,400	169	72	172	0.39	5.98	0.08
	05/20/10	222,000	226	84	172	0.349	3.72	0.04
Cannelton	01/12/10	59,600	10.2	56	116	0.076	2.75	0.06
MP 720.7	03/24/10	234,700	108	47	112	0.239	5.08	0.03
	05/11/10	145,600	35.5	44	116	0.135	5.26	<0.03
Sebree	01/28/10	No	51.7	39	128	0.115	3.41	0.03
MP -41.3 (Green)	03/04/10	Flow	17.6	75	160	0.057	2.06	0.03
	05/06/10	Available	168	16	64	0.268	7.18	0.06
Newburgh	01/28/10	No Data	211	52	136	0.408	4.46	0.07
MP 776.1	03/04/10	132,900	37.1	69	148	0.105	2.43	0.08
	05/06/10	441,700	252	56	148	0.614	5.57	<0.03
J.T. Myers	01/28/10	No Data	163	57	128	0.304	5.13	0.05
MP 846.0	03/04/10	182,100	38.8	62	140	0.127	3.51	0.07
	05/06/10	460,200	267	55	152	0.546	5.48	<0.03
Route 62 Bridge	01/28/10	No Data	26	45	200	0.198	5.24	0.05
MP -28.5 (Wabash)	03/04/10	36,300	42.3	54	236	0.161	3.5	0.03
	05/06/10	56,200	34	43	184	0.248	7.66	<0.03
Smithland	01/13/10	92,000	49.8	58	156	0.155	4.4	0.05
MP 918.5	03/25/10	461,100	119	48	148	0.279	7.29	0.04
	05/13/10	No Data	108	42	140	0.294	6.73	0.04
Pinkneyville	01/12/10	21,000	8.4	28	96	0.067	2.95	<0.03
MP -16.0 (Cumberland)	03/24/10	15,000	10.2	31	104	0.768	2.81	<0.03
	05/12/10	118,000	21.3	22	100	0.267	3.71	0.06
Paducah	01/12/10	45,000	7	16	68	0.074	2.59	0.04
MP -6.0 (Tennessee)	03/24/10	30,000	7.4	12	76	1.12	2.7	<0.03
	05/12/10	140,000	10.7	7	40	0.193	4.33	0.05
Lock & Dam 52	01/12/10	No	42.2	58	160	0.146	4.1	0.07
MP 938.9	03/25/10	Flow	92	56	148	1.32	6	0.04
	05/12/10	Available	65.6	46	124	0.177	5.76	<0.03

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.737	0.501	74	<5	
0.765	0.331	64	<5	<0.005
0.419	0.324	26	<5	
0.781	0.458	64	<5	<0.005
0.647	0.418	70	<5	<0.005
0.442	0.351	18	<5	
1.62	0.793	130	<5	<0.005
1.39	0.498	150	<5	<0.005
0.835	0.931	62	<5	
0.976	0.421	54	<5	<0.005
0.811	0.611	26	<5	<0.005
0.618	0.501	32	<5	
0.917	0.521	54	<5	<0.005
0.759	0.637	26	<5	<0.005
0.667	0.357	36	<5	
1.02	0.276	52	<5	<0.005
0.787	0.564	26	<5	<0.005
0.546	0.947	24	<5	
0.979	0.412	56	<5	<0.005
0.813	0.571	28	<5	<0.005
0.546	1.09	24	<5	
1.49	0.809	46	<5	
1.53	0.921	32	<5	
0.407	1.55	38	<5	
0.84	0.46	38	<5	<0.005
0.811	0.679	24	<5	<0.005
0.491	0.592	30	<5	
0.627	0.339	18	<5	
0.583	0.591	8	<5	

0.359	0.755	10	<5	
0.861	0.432	18	<5	<0.005
0.738	0.502	14	<5	<0.005
0.466	1.19	24	<5	
0.496	0.38	8	<5	
0.428	1.08	14	<5	
0.312	2.11	8	<5	
0.879	0.342	26	<5	
0.829	0.643	20	<5	
0.574	0.776	20	<5	
2.76	0.789	66	<5	
2.58	1.6	38	<5	
2.08	1.25	18	<5	
1.07	0.398	38	<5	
0.989	0.687	22	<5	
0.657	0.717	22	<5	
2.97	0.36	100	<5	
2.87	1.05	60	<5	
1.49	0.911	38	<5	
0.66	0.294	8	<5	
0.355	0.42	16	<5	
0.55	1.29	8	<5	
1.09	0.726	36	<5	
1.01	1.12	28	<5	
0.659	0.751	22	<5	
3.44	0.401	76	<5	
4.81	1.38	24	<5	
3.77	0.711	36	<5	
1.09	0.799	32	<5	
1.32	1	26	<5	
1.03	0.716	16	<5	
0.862	1.04	24	<5	
1.08	0.78	54	<5	
1.04	0.709	22	<5	
0.939	0.921	26	<5	

1.14	1.19	60	<5
1.01	1.05	28	<5
1.08	0.449	22	<5
1.11	0.954	24	<5
0.674	0.679	14	<5
1.45	0.669	2.5	<5
1.45	0.484	8	<5
0.663	0.984	4	<5
10.4	0.4	22	<5
0.969	0.604	32	<5
0.666	1.14	22	<5
0.978	0.89	24	<5
0.977	0.727	32	<5
0.679	1.23	18	<5
2.1	0.679	20	<5
2.73	0.535	36	<5
2.37	1.22	22	<5
1.57	0.678	22	<5
1.86	0.861	26	<5
1.23	0.959	18	<5
0.462	0.521	4	<5
0.601	0.608	6	<5
0.744	0.671	4	<5
0.502	0.521	10	<5
0.378	0.606	10	<5
0.231	0.668	6	<5
1.56	0.715	24	<5
1.75	0.924	28	<5
0.921	0.781	18	<5