

	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	07/06/10	3,600	4.6	78	120	0.034	3.02	<0.03
MP -7.4	09/09/10	3,600	8.22	71.9	120	<0.29	3.06	0.03
(Allegheny)	11/08/10	9,500	5	49.8	100	0.031	3.35	0.03
S. Pittsburgh	07/06/10	1,900	9.6	140	156	0.03	3.15	<0.03
MP -4.5	09/09/10	1,400	9.2	145	172	0.077	3.55	<0.03
(Monongahela)	11/08/10	9,100	2.89	125	136	0.01	2.88	0.04
Beaver Falls	07/06/10	1,100	19.4	76	180	0.099	6.26	<0.03
MP -5.3	09/09/10	900	11.6	66.4	188	0.173	5.68	0.06
(Beaver)	11/08/10	1,000	2.67	67	200	0.124	5.13	0.06
New Cumberland	07/20/10	No	5.67	94.6	148	0.087	3.1	0.08
MP 54.4	09/23/10	Flow	5.4	87.8	156	0.078	3.26	0.07
	11/02/10	Available	3.33	90.2	136	0.055	4.48	0.07
Pike Island	07/20/10	9,100	7.33	98	160	0.133	2.81	0.1
MP 84.2	09/23/10	7,700	7	92	160	0.078	3.22	0.06
	11/02/10	14,300	4.5	105	152	0.045	3.72	0.07
Hannibal	07/21/10	12,300	5.2	106	164	0.129	2.93	0.07
MP 126.4	09/14/10	9,600	5.2	116	156	0.018	3.11	0.03
	11/08/10	16,300	4.89	102	156	0.043	3.61	0.05
Willow Island	07/27/10	18,200	8	106	172	0.026	3.27	<0.03
MP 161.8	09/27/10	7,000	5.2	115	172	0.017	3.24	0.03
	11/08/10	21,300	4	107	144	0.078	3.05	0.04
Marietta	07/27/10	5,000	21	118	228	0.097	4.3	0.08
MP -0.8	09/27/10	800	14.7	127	272	0.068	5.11	0.03
(Muskingum)	11/08/10	1,600	9.11	129	324	0.098	3.78	<0.03
Bellefonte	07/22/10	17,300	9.2	80	148	0.106	3.59	0.06
MP 203.9	09/29/10	12,800	5.14	115	168	0.028	3.52	0.06
	11/17/10	14,900	3	104	164	0.121	3.37	0.04
Winfield	07/28/10	No	121	79.8	120	0.251	3.95	0.04
MP -31.1	09/13/10	Flow	13.1	74.2	128	0.067	2.29	0.12

(Kanawha)	11/18/10	Available	8	46.4	88	0.018	2.96	0.04
R.C. Byrd	07/22/10	58,100	30.7	82.4	144	0.149	3.2	0.06
MP 279.2	09/29/10	16,400	8.73	102	152	0.031	3.32	0.04
	11/17/10	31,900	15.4	103	152	0.039	3.65	0.03
Louisa	07/28/10	1,300	19.7	187	252	0.058	2.45	<0.03
MP -20.3	09/13/10	800	24.2	233	296	0.035	3.04	<0.03
(Big Sandy)	11/18/10	1,500	22.5	265	300	0.019	3.27	<0.03
Greenup	07/29/10	26,200	7	63.4	136	0.046	3.73	<0.03
MP 341.0	09/27/10	13,700	10	91.5	168	0.033	2.8	<0.03
	11/18/10	29,200	5.8	118	164	0.041	3.06	0.03
Lucasville	07/28/10	1,500	58.5	90	288	0.321	8.67	<0.03
MP -15.0	09/13/10	500	50.3	119	284	0.232	6.77	<0.03
(Scioto)	11/18/10	1,200	8.75	122	300	0.296	8.25	<0.03
Meldahl	07/29/10	36,400	32.6	53.2	116	0.087	5.61	<0.03
MP 436.2	09/27/10	14,800	10.6	93	188	0.027	3.12	<0.03
	11/23/10	40,500	10.7	111	160	0.049	2.34	<0.03
Newtown	07/02/10	700	44.8	27	164	0.24	6.16	0.11
MP -7.5	09/02/10	100	16.7	54.8	284	0.385	3.85	<0.03
(Little Miami)	11/19/10	200	10	44	260	0.2	4.79	<0.03
Covington	07/02/10	900	43.7	29	144	0.158	5.49	<0.03
MP -4.7	09/02/10	100	19	31.2	108	0.078	3.72	0.07
(Licking)	11/19/10	500	6.25	23	100	0.014	4.4	<0.03
Anderson Ferry	07/13/10	23,400	11.7	61.5	152	0.063	3.49	0.12
MP 477.5	09/20/10	18,100	8.6	107	172	0.094	2.65	0.03
	11/09/10	36,200	8.22	126	188	0.033	2.96	0.06
Elizabethtown	07/02/10	No	67.3	34	244	0.299	6.75	<0.03
MP -5.2	09/02/10	Flow	33.3	76.4	316	0.211	5.2	<0.03
(Great Miami)	11/19/10	Available	18.7	50.6	296	0.19	4.19	<0.03
Markland	07/14/10	70,700	12.8	59.5	164	0.088	3.71	0.14
MP 531.5	09/20/10	18,500	7.33	86.2	176	0.088	2.51	<0.03
	11/09/10	37,100	7.77	110	180	0.054	3.08	0.08
Louisville	07/22/10	137,100	19.4	73	172	0.134	3.46	<0.03
MP 600.6	09/16/10	15,500	13.2	89.6	156	0.074	3.17	0.04
	11/17/10	31,500	9.6	114	204	0.033	3.73	0.1
West Point	07/22/10	137,100	46.1	73.2	176	0.145	3.6	0.07

MP 625.9	09/16/10	15,500	6.8	135	248	0.061	3.54	0.04
	11/17/10	31,500	7.4	128	220	0.093	3.7	0.27
Cannelton	07/13/10	23,100	6.91	58	164	0.059	3.74	0.05
MP 720.7	09/07/10	14,800	8.52	83.8	160	0.446	3.76	<0.03
	11/02/10	32,700	7.78	113	200	0.063	3.13	<0.03
Sebree	07/08/10	No	26.2	42	128	0.085	2.58	<0.03
MP -41.3 (Green)	09/16/10	Flow	40.2	33	124	0.073	2.98	<0.03
	11/04/10	Available	19.7	31.4	136	0.052	3.1	0.12
Newburgh	07/08/10	29,700	12.7	62	160	0.1	5.25	<0.03
MP 776.1	09/16/10	18,700	11.2	85.8	160	0.073	2.95	<0.03
	11/04/10	31,900	5.88	110	196	0.056	3.15	0.04
J.T. Myers	07/08/10	104,000	6.82	62	152	0.046	3.74	0.07
MP 846.0	09/16/10	26,000	11	60.2	140	0.444	3.3	<0.03
	11/03/10	39,000	8.2	117	200	0.058	3.16	<0.03
Route 62 Bridge	07/08/10	No	71.7	36	268	0.181	5.18	<0.03
MP -28.5 (Wabash)	09/16/10	Flow	49.2	94.3	240	0.121	4.71	<0.03
	11/04/10	Available	45	89	280	0.117	6.01	<0.03
Smithland	07/15/10	89,600	15.5	46.2	196	0.1	3.86	0.08
MP 918.5	09/09/10	25,800	12.6	74.4	180	0.031	4.21	<0.03
	11/03/10	42,900	9.5	104	196	0.043	3.43	0.04
Pinkneyville	07/14/10	15,000	36.4	17.4	92	0.1	2.53	0.04
MP -16.0 (Cumberland)	09/08/10	18,000	16.8	26.7	100	0.555	3.57	0.09
	11/03/10	12,000	12	19.9	80	0.071	3.31	<0.03
Paducah	07/14/10	25,000	6.5	10.2	52	0.05	2.64	0.03
MP -6.0 (Tennessee)	09/08/10	25,000	5.2	12.2	56	0.012	3.55	0.04
	11/03/10	27,000	8	15.6	64	0.1	2.49	0.04
Lock & Dam 52	07/14/10	No	24.7	38.2	180	0.095	3.64	0.06
MP 938.9	09/08/10	Flow	19	61.4	144	0.029	4.22	<0.03
	11/03/10	Available	11	54.6	140	0.075	3.04	0.05

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.332	0.674	34	<5	
0.314	0.879	40	<5	
0.391	0.593	34	<5	
0.542	0.557	38	<5	
0.587	1.66	40	<5	
0.791	0.499	32	<5	<0.005
1.17	0.563	94	<5	
1.63	1.23	78	<5	
1.61	0.739	78	<5	<0.005
0.822	0.489	54	<5	
1.1	1.09	62	<5	
1.09	0.243	46	<5	<0.005
0.787	0.484	54	<5	
1.08	0.465	62	<5	
1.08	0.428	48	<5	<0.005
0.814	0.497	62	<5	
0.802	0.438	66	<5	
1.04	0.447	50	<5	<0.005
0.669	0.531	54	<5	
0.889	0.406	70	<5	
0.94	0.542	56	<5	<0.005
0.168	1.15	58	<5	
0.225	0.889	88	<5	
1.88	0.852	92	<5	
0.561	0.63	40	<5	
0.733	0.261	68	<5	
1.03	0.29	58	<5	<0.005
0.647	1.16	10	<5	
0.555	0.705	22	<5	

0.508	0.302	12	<5	
0.625	0.88	34	<5	
0.656	0.299	50	<5	
0.793	0.38	46	<5	<0.005
0.206	0.35	24	<5	
0.146	0.949	32	<5	
0.204	0.274	30	<5	
0.545	0.763	28	<5	
0.603	0.365	50	<5	
0.802	0.251	48	<5	
0.113	2.98	66	<5	
0.158	2.44	78	<5	
1.62	0.906	72	<5	
0.606	0.745	20	<5	
0.606	0.188	52	<5	
0.836	0.274	48	<5	
1.24	2.05	30	<5	
2.28	0.757	100	<5	
1.45	0.326	76	<5	
0.423	1.34	10	<5	
<0.1	0.762	10	<5	
<0.1	0.352	12	<5	
0.959	1.18	30	<5	
0.779	0.385	48	<5	
0.865	0.893	62	<5	
3.7	1.44	32	<5	
1.03	1.71	86	<5	
1.82	0.39	74	<5	
0.892	0.649	30	<5	
0.914	0.308	50	<5	
0.823	0.691	58	<5	
1.18	0.69	30	<5	
0.759	0.574	44	<5	
0.93	0.501	56	<5	
1.25	0.98	34	<5	

0.947	0.43	50	<5
1.04	0.93	62	<5
1.38	0.708	26	<5
0.646	0.788	32	<5
1.02	0.474	52	<5
0.786	0.344	8	<5
0.937	0.578	8	<5
0.463	0.687	6	<5
1.2	1.39	24	<5
0.637	0.443	40	<5
1.05	0.249	54	<5
1.13	0.789	22	<5
0.685	1	32	<5
1.06	0.412	48	<5
1.32	0.892	20	<5
<0.1	2.18	48	<5
0.378	1.57	50	<5
1.22	1.04	24	<5
0.577	0.523	26	<5
0.798	0.688	48	<5
<0.1	1.11	8	<5
<0.1	1.41	6	<5
<0.1	0.653	10	<5
<0.1	0.247	2	<5
<0.1	1.02	10	<5
0.169	0.48	18	<5
0.998	1.04	22	<5
0.435	1.22	20	<5
0.455	0.824	30	<5