

	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	01/14/09	16,900	4.33	56	100	0.018	2.04	0.09
MP -7.4	03/10/09	87,600	118	46	60	0.159	3.71	0.08
(Allegheny)	05/12/09	19,500	6.4	58	80	<0.01	2.52	0.05
S. Pittsburgh	01/14/09	33,300	28.5	44	76	0.057	2.84	0.1
MP -4.5	03/10/09	4,100	5.2	140	140	0.029	1.43	0.17
(Monongahela)	05/12/09	30,300	31.1	56	84	0.055	2.16	0.05
Beaver Falls	01/14/09	4,200	4.33	60	148	0.062	5.25	0.12
MP -5.3	03/10/09	24,700	78	46	92	0.221	7.39	0.1
(Beaver)	05/12/09	3,600	41.8	52	140	0.142	5.73	0.08
New Cumberland	02/09/09	No	36	80	120	0.124	3.62	0.17
MP 54.4	03/16/09	Flow	24	24	64	0.073	3.14	0.11
	05/18/09	Available	7.2	74	104	0.043	2.19	0.07
Pike Island	02/09/09	63,900	45.1	76	124	0.098	2.23	0.17
MP 84.2	03/16/09	61,900	22.5	24	60	0.088	2.9	0.09
	05/18/09	30,200	5.4	84	104	0.037	2.16	0.06
Hannibal	02/10/09	73,300	19	72	132	0.088	2.26	0.18
MP 126.4	03/10/09	109,200	24.3	74	96	0.067	2.22	0.2
	05/19/09	27,900	10.2	86	108	0.021	2.24	0.07
Willow Island	02/10/09	75,700	29	72	132	0.075	2.25	0.19
MP 161.8	03/10/09	101,800	26.7	72	100	0.167	2.32	0.2
	05/19/09	29,400	8	76	100	0.022	2.19	0.06
Marietta	01/22/09	4,500	4	140	340	0.083	3.83	0.13
MP -0.8	03/09/09	5,700	21.5	72	200	0.114	3.12	0.14
(Muskingum)	05/13/09	8,200	42.2	100	184	0.111	4.2	0.03
Belleville	01/22/09	31,800	9.33	76	116	0.045	3.04	0.11
MP 203.9	03/09/09	70,400	18.7	72	160	0.061	2.32	0.13
	05/13/09	71,300	22	68	108	0.068	2.94	0.03
Winfield	01/12/09	No	29.6	30	64	0.049	3.05	0.08
MP -31.1	03/04/09	Flow	5	28	72	0.017	1.58	0.06
(Kanawha)	05/13/09	Available	52.6	34	64	0.086	2.9	0.03
R.C. Byrd	01/22/09	45,100	11.7	62	104	0.04	2.67	0.12

MP 279.2	03/09/09	72,900	8.57	60	116	0.062	2.26	0.1
	05/13/09	119,500	24.8	32	64	0.063	3.1	<0.03
Louisa MP -20.3 (Big Sandy)	01/12/09	11,200	64	150	164	0.116	4.86	0.07
	03/04/09	10,500	86	100	160	0.113	3.37	0.06
	05/13/09	22,400	203	110	144	0.267	4.07	<0.03
Greenup MP 341.0	01/22/09	52,100	11.2	68	100	0.034	2.79	0.08
	03/09/09	69,600	9.71	84	104	0.06	2.08	0.08
	05/28/09	82,100	15	68	104	0.025	2.6	0.07
Lucasville MP -15.0 (Scioto)	01/12/09	4,400	33.6	76	216	0.142	5.59	0.09
	03/04/09	5,200	36	86	228	0.201	5.87	0.08
	05/13/09	4,500	31.7	74	224	0.178	5.44	0.04
Meldahl MP 436.2	01/22/09	58,100	15.5	62	112	0.048	2.86	0.1
	03/09/09	68,700	8.25	74	116	0.057	2.05	0.06
	05/28/09	58,800	10.4	66	112	0.032	2.86	0.09
Newtown MP -7.5 (Little Miami)	01/12/09	1,600	12.9	46	236	0.213	5.72	0.1
	03/10/09	500	20	48	260	0.24	4.08	0.05
	05/12/09	600	10.4	40	212	0.182	4.94	0.08
Covington MP -4.7 (Licking)	01/12/09	11,300	124	28	116	0.406	8.24	0.07
	03/10/09	1,600	23.2	40	132	0.099	3.06	0.05
	05/12/09	6,700	60	26	112	0.221	7.27	0.08
Anderson Ferry MP 477.5	01/14/09	220,600	74	48	100	0.176	5.88	0.1
	03/09/09	73,400	14.3	64	124	0.062	2.54	0.18
	05/28/09	67,400	24.4	60	108	0.056	3	0.17
Elizabethtown MP -5.2 (Great Miami)	01/12/09	No	12.2	74	300	0.227	3.99	0.11
	03/10/09	Flow	16.7	60	296	0.187	3.74	0.04
	05/12/09	Available	28.7	48	280	0.155	4.86	0.04
Markland MP 531.5	02/02/09	139,500	75.2	68	132	0.15	3.98	0.16
	03/09/09	79,000	16.3	72	100	0.094	2.53	0.12
	05/28/09	75,300	13.2	52	116	0.029	2.89	0.06
Louisville MP 600.6	01/22/09	68,300	117	50	132	0.224	4.82	0.09
	03/12/09	145,200	27.5	82	128	0.09	2.39	0.11
	05/28/09	80,400	45.6	58	128	0.083	3.23	0.06
West Point MP 625.9	01/22/09	68,300	50	74	160	0.159	4.08	0.27
	03/12/09	145,200	28.7	76	140	0.123	2.52	0.18
	05/28/09	80,400	70	70	148	0.176	3.32	0.18
Cannelton MP 720.7	02/03/09	177,500	106	64	128	0.244	4.12	0.15
	03/10/09	83,500	15.3	62	124	0.07	2.58	0.11
	05/20/09	135,400	42.8	58	168	0.276	4.3	0.06
Sebree	01/08/09	No	35.8	56	144	0.098	4.9	0.17

MP -41.3 (Green)	03/05/09	Flow	85	62	136	0.183	4.62	0.07
	05/07/09	Available	63.7	40	120	0.129	4.27	0.06
Newburgh MP 776.1	01/08/09	121,100	43.7	60	128	0.134	4.38	0.13
	03/05/09	180,000	94	68	124	0.235	4.36	0.1
	05/07/09	239,300	57.7	66	160	0.161	3.55	0.06
J.T. Myers MP 846.0	01/08/09	190,800	79.6	56	116	0.177	5.23	0.12
	03/05/09	233,000	68	68	132	0.192	4.54	0.1
	05/07/09	311,700	59.7	70	132	0.124	3.53	0.06
Route 62 Bridge MP -28.5 (Wabash)	01/08/09	No	31	40	212	0.222	8.21	0.08
	03/05/09	Flow	280	60	232	0.392	7.18	0.11
	05/07/09	Available	49.4	38	188	0.243	6.29	0.06
Smithland MP 918.5	02/02/09	264,700	185	56	140	0.271	4.76	0.15
	03/10/09	131,600	59	66	152	0.188	3.81	0.11
	05/19/09	308,300	111	62	136	0.209	6.6	0.05
Pinkneyville MP -16.0 (Cumberland)	02/02/09	89,000	77	30	96	0.217	4	0.1
	03/11/09	30,000	21	34	120	0.085	2.56	0.03
	05/18/09	117,000	22.4	24	124	0.104	3	0.04
Paducah MP -6.0 (Tennessee)	02/02/09	74,000	7.5	18	72	0.082	3.73	0.11
	03/11/09	44,000	14.3	20	80	0.036	2.49	0.04
	05/19/09	147,000	8.8	14	80	0.069	3.82	0.05
Lock & Dam 52 MP 938.9	02/02/09	No	248	56	164	0.31	4.8	0.15
	03/11/09	Flow	131	58	148	0.296	4.66	0.12
	05/19/09	Available	84.7	52	116	0.244	6.34	0.05

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.709	0.292	34	<5	
0.824	0.712	16	<5	
0.37	0.29	18	<5	
0.554	0.466	16	<5	<0.005
1.13	0.378	42	<5	<0.005
0.376	0.397	8	<5	
1.27	0.431	76	<5	<0.005
1.08	1	46	<5	<0.005
0.735	0.689	42	<5	
1.1	0.53	50	<5	<0.005
0.792	0.42	26	<5	<0.005
0.532	0.351	26	<5	
0.93	0.529	52	<5	<0.005
0.637	0.454	26	<5	<0.005
0.512	0.382	24	<5	
0.916	0.391	56	<5	<0.005
0.946	0.511	34	<5	<0.005
0.497	0.336	26	<5	
0.869	0.424	56	<5	<0.005
0.98	0.531	34	<5	<0.005
0.497	0.422	30	<5	
1.52	0.513	60	<5	
1.93	0.493	56	<5	
0.781	0.498	26	<5	
0.836	0.48	36	<5	<0.005
0.918	0.561	46	<5	<0.005
0.583	0.328	18	<5	
0.682	0.392	8	<5	
0.62	0.209	16	<5	
0.462	0.482	8	<5	
0.74	0.334	30	<5	<0.005

0.787	0.462	38	<5	<0.005
0.426	0.35	8	<5	
0.804	0.562	8	<5	
0.597	0.4	28	<5	
0.453	0.75	14	<5	
0.739	0.355	26	<5	
0.875	0.444	32	<5	
0.547	0.45	22	<5	
2.15	0.591	48	<5	
3.3	0.57	56	<5	
2.85	0.638	36	<5	
0.749	0.444	28	<5	
1.12	0.322	32	<5	
0.597	0.54	20	<5	
2.36	0.608	84	<5	
2.16	0.417	80	<5	
1.85	0.474	12	<5	
1.35	1.11	16	<5	
0.85	0.459	16	<5	
0.645	0.825	8	<5	
0.839	0.646	22	<5	
0.93	0.456	36	<5	
0.64	0.605	24	<5	
3.55	0.407	94	<5	
3.5	0.522	64	<5	
4.38	0.526	42	<5	
1.03	0.699	32	<5	
1.04	0.539	38	<5	
0.797	0.415	24	<5	
1.01	1.12	36	<5	
1.3	0.429	30	<5	
1	0.553	18	<5	
1	0.989	34	<5	
1.37	0.516	30	<5	
1.07	0.813	24	<5	
1.22	0.643	40	<5	
1.3	0.431	30	<5	
0.993	0.635	18	<5	
1.17	0.889	14	<5	

1.44	0.526	8	<5
1.24	0.745	12	<5
1.37	0.508	24	<5
1.41	0.586	26	<5
1.21	0.521	10	<5
1.3	0.847	22	<5
1.47	0.554	28	<5
1.1	0.601	10	<5
3.92	1.2	26	<5
3.46	0.955	26	<5
3.25	0.82	14	<5
1.39	0.909	26	<5
2.03	0.629	30	<5
1.03	0.775	14	<5
1.14	0.82	4	<5
0.701	0.595	6	<5
0.608	0.503	6	<5
0.603	0.7	8	<5
0.387	0.541	12	<5
0.345	0.557	6	<5
1.4	0.993	22	<5
2.01	0.714	34	<5
1.03	0.612	16	<5