

	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	01/17/07	92,900	71	38	60	0.112		<0.03
MP -7.4	03/12/07	26,500	7.25	54	80	<0.01	1.7	0.38
(Allegheny)	05/15/07	7,900	11.2	57	80	<0.01	1.5	<0.03
S. Pittsburgh	01/17/07	48,800	62.5	54	88	0.108		<0.03
MP -4.5	03/12/07	24,900	21	66	88	0.029	1.7	0.11
(Monongahela)	05/15/07	4,700	11.3	118	152	0.01	1.34	0.04
Beaver Falls	01/17/07	23,000	148	42	96	0.338		0.04
MP -5.3	03/12/07	10,200	19	56	112	0.075	3.9	0.19
(Beaver)	05/15/07	1,800	14	84	164	0.07	4.43	0.08
New Cumberland	01/12/07	No	13.6	48	92	0.043	<0.5	<0.03
MP 54.4	03/12/07	Flow	7.67	56	100	0.023	2.3	0.13
	05/07/07	Available	8.96	58	96	0.029	2.1	0.04
Pike Island	01/12/07	90,400	25.6	44	88	0.054	1.8	<0.03
MP 84.2	03/12/07	65,100	12.5	62	104	0.023	2.2	<0.03
	05/07/07	40,600	6.51	60	96	0.041	1.86	0.03
Hannibal	01/02/07	50,100	4.6	80	124	0.057	2.25	0.07
MP 126.4	03/13/07	65,600	10.5	68	112	0.017	2.3	0.15
	05/10/07	25,800	7.2	61	104	0.014	1.85	<0.03
Willow Island	01/02/07	53,800	3	88	128	0.018	2.08	0.07
MP 161.8	03/13/07	67,100	14	72	104	0.052	2.1	0.15
	05/10/07	26,200	5.8	65	100	0.011	1.75	<0.03
Marietta	01/03/07	9,400	13.6	90	216	0.097	3.41	<0.03
MP -0.8	03/14/07	13,400	36	82	168	0.105	2.8	0.12
(Muskingum)	05/08/07	8,100	63.5	76	172	0.249	4.27	0.05
Belleville	01/04/07	60,900	4.67	84	140	0.046	2.7	0.04
MP 203.9	03/15/07	113,500	21	64	124	0.034	1.9	0.16
	05/09/07	40,600	12	68	132	0.037	2.65	<0.03
Winfield	01/04/07	No	5.5	28	64	0.042	1.65	<0.03
MP -31.1	03/15/07	Flow	5.2	16	68	<0.01	1	0.06
(Kanawha)	05/09/07	Available	7.33	32	72	0.034	1.52	0.05
R.C. Byrd	01/04/07	99,500	4	64	108	0.037	2.38	0.03

MP 279.2	03/15/07	118,600	24.7	26	104	0.031	1.8	0.14
	05/09/07	58,300	35.7	62	116	0.063	2.13	0.05
Louisa MP -20.3 (Big Sandy)	01/03/07	4,700	9.67	142	176	0.016	1.53	<0.03
	03/14/07	2,700	30.2	120	180	0.018	1.9	0.17
	05/08/07	10,700	71.1	92	124	0.062	2.04	0.04
Greenup MP 341.0	01/30/07	94,400	13	62	112	0.047		0.05
	03/15/07	119,400	31.3	58	132	0.043	1.8	0.14
	05/09/07	72,100	15.6	66	112	0.033	1.82	<0.03
Lucasville MP -15.0 (Scioto)	01/03/07	11,700	43	58	252	0.203	5.29	0.05
	03/14/07	7,400	27.3	56	220	0.197	3.7	0.28
	05/08/07	3,400	28	64	256	0.242	5.13	0.12
Meldahl MP 436.2	01/31/07	98,100	18	59	120	0.059		0.03
	03/15/07	121,800	31.7	52	132	0.065	2.1	0.12
	05/09/07	88,900	11.2	68	116	0.042	1.96	<0.03
Newtown MP -7.5 (Little Miami)	01/17/07	7,900	82	25	196	0.312	5.72	0.03
	03/08/07	3,000	24.4	30	220	0.188	4.8	0.08
	05/09/07	700	13.4	48	292	0.172	3.22	0.05
Covington MP -4.7 (Licking)	01/17/07	16,700	45.7	28	156	0.243	5.41	<0.03
	03/08/07	5,600	77.7	40	140	0.161	3.5	<0.03
	05/09/07	3,300	43.7	37	144	0.098	3.34	0.04
Anderson Ferry MP 477.5	01/24/07	210,000	160	53	120	0.309		<0.03
	03/27/07	297,100	86.5	60	132	0.14	2.5	0.06
	05/08/07	110,500	24.3	70	120	0.045	2.33	0.08
Elizabethtown MP -5.2 (Great Miami)	01/17/07	No	178	20	220	0.495	4.38	0.03
	03/08/07	Flow	56	38	256	0.205	4.5	0.11
	05/09/07	Available	38.8	47	272	0.133	4.25	0.03
Markland MP 531.5	01/24/07	223,800	72	47	128	0.164		<0.03
	03/27/07	314,800	90.1	46	120	0.293	2.5	0.03
	05/22/07	68,800	15	71	140	0.041	2.83	<0.03
Louisville MP 600.6	01/22/07	307,600	142	46	124	0.254	3.8	<0.03
	03/22/07	342,800	81.5	46	124	0.118	2.5	0.08
	05/08/07	131,200	20.3	65	136	0.07	2.3	0.05
West Point MP 625.9	01/22/07	307,600	95.6	47	128	0.186		<0.03
	03/22/07	342,800	123	44	208	0.284	2.7	0.07
	05/08/07	131,200	28	66	132	0.092	2.37	0.14
Cannelton MP 720.7	01/31/07	134,100	28.4	50	140	0.094		0.05
	03/13/07	161,100	67	44	168	0.104	2.7	0.1
	05/08/07	143,700	25.1	55	132	0.069	2.5	0.05
Sebree	01/11/07	No	164	28	136	0.196	3.59	<0.03

MP -41.3 (Green)	03/08/07	Flow	40	42	132	0.084	4.6	<0.03
	05/03/07	Available	32	70	160	0.064	2.28	<0.03
Newburgh MP 776.1	01/11/07	317,700	122	56	180	0.257	3.91	<0.03
	03/08/07	411,000	219	54	140	0.502	3.7	0.12
	05/03/07	141,800	42.5	70	136	0.084	2.94	<0.03
J.T. Myers MP 846.0	01/11/07	396,600	64	60	172	0.152	3.33	0.03
	03/08/07	499,600	243	50	140	0.458	3.8	<0.03
	05/03/07	194,100	37.5	64	124	0.084	2.17	<0.03
Route 62 Bridge MP -28.5 (Wabash)	01/11/07	No	42.7	38	204	0.196	4.33	<0.03
	03/08/07	Flow	69.3	32	152	0.342	4.7	0.03
	05/03/07	Available	99.6	44	228	0.224	4.64	<0.03
Smithland MP 918.5	01/30/07	349,900	81	47	172	0.215		<0.03
	03/21/07	357,100	302	42	260	0.483	3.3	0.06
	05/21/07	75,000	8	68	168	0.013	3.02	0.05
Pinkneyville MP -16.0 (Cumberland)	01/30/07	40,000	8.8	27	120	0.072		<0.03
	03/21/07	7,000	13.4	28	124	0.023	2.8	<0.03
	05/21/07	8,000	42	27	108	0.103	2.26	0.08
Paducah MP -6.0 (Tennessee)	01/30/07	57,000	7	18	92	0.061		0.04
	03/21/07	17,000	8.8	18	96	0.028	2.6	<0.03
	05/21/07	25,000	13.6	21	80	0.04	2.32	0.07
Lock & Dam 52 MP 938.9	01/30/07	No	96.5	39	148	0.259		0.03
	03/21/07	Flow	160	42	172	0.311	3.4	0.05
	05/21/07	Available	15.2	65	172	0.058	3.24	0.05

Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.724	0.936	16	<5	<0.005
1.08	0.224	32	<5	
0.426	0.252	20	<5	
0.924	0.748	18	<5	<0.005
1	0.28	24	<5	<0.005
0.728	0.319	28	<5	
1.16	1.66	30	5.4	<0.005
1.14	0.644	50	<5	<0.005
1.07	0.727	64	<5	
0.834	0.544	18	<5	<0.005
1.22	0.307	40	<5	<0.005
0.684	0.419	22	<5	
0.743	0.606	20	<5	<0.005
1.19	0.353	38	<5	<0.005
0.631	0.339	22	<5	
0.778	0.504	32	<5	<0.005
1.2	0.352	42	<5	<0.005
0.573	0.333	26	<5	
0.773	0.459	32	<5	<0.005
1.1	0.482	40	<5	<0.005
0.606	0.309	24	<5	
1.84	0.745	30	<5	
1.68	0.584	40	<5	
1.55	0.659	28	<5	
0.89	0.528	28	<5	<0.005
1.17	0.398	42	<5	<0.005
0.873	0.391	26	<5	
0.577	0.242	10	<5	
0.89	0.203	18	<5	
0.548	0.228	6	<5	
0.787	0.303	22	<5	<0.005

1.23	0.424	36	<5	<0.005
0.725	0.384	22	<5	
0.419	0.355	12	<5	
0.548	0.302	18	<5	
0.459	0.407	6	<5	
0.843	0.494	20	<5	
1.24	0.428	36	<5	
0.647	0.353	18	<5	
2.48	0.777	38	<5	
2.21	0.578	36	<5	
<0.1	0.88	34	<5	
1.09	0.471	20	<5	
1.27	0.471	34	<5	
0.774	0.355	24	<5	
1.34	1.38	26	<5	
1.86	0.559	40	<5	
2.19		58	<5	
0.859	<0.2	10	<5	
0.986	0.604	22	<5	
0.369	0.436	8	<5	
0.929	1.55	30	<5	
1.23	0.654	42	<5	
0.894	0.732	22	<5	
1.74	1.45	18	<5	
2.11	1.14	30	<5	
1.46	0.000	44	<5	
1.02	0.776	30	<5	
1.39	0.582	32	<5	
0.724	0.689	24	<5	
1.02	0.911	20	<5	
1.26	0.67	30	<5	
0.968	0.369	90	<5	
0.958	0.807	16	<5	
1.24	0.663	28	<5	
0.923	0.422	20	<5	
1.24	0.57	22	<5	
1.26	0.569	40	<5	
1.03	0.483	20	<5	
1.28	1.23	10	<5	

1.43	0.629	14	<5
0.734	0.653	6	<5
1.25	1.04	24	<5
1.1	1.45	34	<5
1.1	0.37	18	<5
1.28	0.582	24	<5
1.06	1.38	36	<5
1.04	0.401	18	<5
2.75	0.789	18	<5
1.86	1.35	26	<5
3.77	0.831	18	<5
2.07	0.984	20	<5
1.73	0.981	30	<5
1.08	0.418	52	<5
0.879	0.444	12	<5
0.513	0.444	10	<5
0.11	0.614	8	<5
0.642	0.47	16	<5
0.498	0.283	18	<5
0.131	0.449	40	<5
1.84	0.989	16	<5
1.7	0.679	28	<5
1.32	0.567	36	<5