

	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)
Pittsburgh	07/18/07	4,300	5	82	124	0.033	2.78
MP -7.4	09/13/07	6,500	10.2	68	112	<0.01	4.82
(Allegheny)	11/13/07	9,400	7	64	88	<0.01	2.95
S. Pittsburgh	07/18/07	5,400	8.8	134	132	0.02	2.43
MP -4.5	09/13/07	4,900	7.6	100	124	0.011	2.92
(Monongahela)	11/13/07	3,300	12.4	126	116	0.028	2.53
Beaver Falls	07/18/07	1,000	14.8	62	172	0.237	5.8
MP -5.3	09/13/07	1,100	27.4	78	172	0.14	3.31
(Beaver)	11/13/07	2,300	5.4	74	180	0.09	4.93
New Cumberland	07/10/07	No	8.25	126	176	0.038	2.8
MP 54.4	09/17/07	Flow	4.2	92	112	0.033	3.52
	11/05/07	Available	2.8	102	132	0.025	2.78
Pike Island	07/10/07	11,400	5.75	124	172	0.03	3.25
MP 84.2	09/17/07	0	3.8	104	128	0.031	3.93
	11/05/07	10,400	2.8	110	144	0.019	2.69
Hannibal	07/12/07	10,700	3	132	184	0.045	3.36
MP 126.4	09/24/07	6,300	5.2	90	136	0.011	3.5
	11/28/07	82,500	36.8	98	120	0.074	3.5
Willow Island	07/12/07	10,900	1.75	116	180	0.027	3.17
MP 161.8	09/24/07	6,400	3	90	132	<0.01	3.41
	11/28/07	77,600			120	0.029	3.3
Marietta	07/16/07	1,400	12.8	175	272	0.068	4.94
MP -0.8	09/18/07	1,800	10.6	144	264	0.113	3.89
(Muskingum)	11/07/07	2,500	12.6	104	100	0.12	4.84
Belleville	07/17/07	11,600	2.5	116	192	0.013	3.33
MP 203.9	09/19/07	10,800	3	94	136	0.087	4.79
	11/08/07	15,300	4.6	98	148	0.05	3.61
Winfield	07/17/07	No	3.75	32	92	0.028	2.88
MP -31.1	09/19/07	Flow	7.4	88	112	0.014	3.03
(Kanawha)	11/08/07	Available	5.8	94	64	0.034	2.62
R.C. Byrd	07/17/07	15,800	12	94	156	0.063	3.1
MP 279.2	09/19/07	14,600	9.2	76	120	0.014	4.25

	11/08/07	20,300	21	98	148	0.058	2.94
Louisa MP -20.3 (Big Sandy)	07/16/07	600	25.6	200	232	0.047	3.44
	09/18/07	500	26.8	252	256	0.042	3.76
	11/07/07	600	8.6	260	296	<0.01	2.93
Greenup MP 341.0	07/26/07	18,400	4	118	156	0.016	3.14
	09/13/07	31,400	10	106	160	0.017	4.26
	11/29/07	113,200	36.6	138	140	0.116	3
Lucasville MP -15.0 (Scioto)	07/16/07	1,000	33.3	95	296	0.374	10.5
	09/18/07	900	17	102	260	0.251	9.32
	11/07/07	1,000	6.6	122	252	0.322	7.07
Meldahl MP 436.2	07/25/07	21,700	3.4	114	192	0.01	3.07
	09/13/07	33,000	7	80	160	0.059	4.72
	11/29/07	120,400	43.6	150	152	0.954	2.9
Newtown MP -7.5 (Little Miami)	07/12/07	1,600	94.5	36	204	0.468	8.9
	09/14/07	200	19	46	264	0.644	5.61
	11/20/07	200	7.4	46	232	0.348	4.83
Covington MP -4.7 (Licking)	07/12/07	300	17.8	30	140	0.1	6.61
	09/14/07	100	23.3	42	128	0.192	5.76
	11/20/07	900	6.6	44	136	0.04	4.71
Anderson Ferry MP 477.5	07/17/07	20,200	7.75	104	156	0.044	3.39
	09/18/07	18,200	8.4	114	176	0.044	2.27
	11/28/07	110,800	23.2	138	152	0.082	3.4
Elizabethtown MP -5.2 (Great Miami)	07/12/07	No	42.3	54	240	0.315	8.82
	09/14/07	Flow	29	48	232	0.265	5.5
	11/20/07	Available	13.4	52	288	0.234	4.65
Markland MP 531.5	07/25/07	25,200	4.6	108	176	0.452	3.28
	09/18/07	19,100	4.8	130	168	0.063	4.67
	11/28/07	109,900	16	104	144	0.073	3.4
Louisville MP 600.6	07/18/07	21,100	5.6	78	140	0.047	3.16
	09/18/07	19,900	9.2	144	180	0.056	4.36
	11/26/07	61,200	6	98	168	0.033	3.79
West Point MP 625.9	07/18/07	21,100	5	86	164	0.091	3.96
	09/18/07	19,900	7.4	168	216	0.064	3.79
	11/26/07	61,200	15.8	134	212	0.105	4.4
Cannelton MP 720.7	07/24/07	34,800	3	84	156	0.028	3.12
	09/19/07	19,800	6.4	120	180	0.031	3.81
	11/27/07	93,800	9.8	98	160	0.066	2.68
Sebree MP -41.3	07/19/07	No	15.8	88	208	0.057	4.2
	09/13/07	Flow	13.8	136	208	0.038	4.09

(Green)	11/08/07	Available	16.8	96	148	0.048	3.31
Newburgh MP 776.1	07/19/07	21,600	2.8	80	152	0.014	3.32
	09/13/07	26,800	3.6	110	176	0.046	3.1
	11/08/07	33,000	4.4	98	144	0.078	4.72
J.T. Myers MP 846.0	07/19/07	29,400	4.6	84	144	0.014	3.13
	09/13/07	32,200	7.6	96	176	0.012	2.72
	11/08/07	38,900	6.2	104	124	0.089	4.44
Route 62 Bridge MP -28.5 (Wabash)	07/19/07	No	35.1	68	200	0.122	5.09
	09/13/07	Flow	43.7	78	228	0.133	5.95
	11/08/07	Available	35.6	100	312	0.129	4.27
Smithland MP 918.5	07/25/07	45,100	1.8	82	168	0.024	3.41
	09/20/07	29,200	3.2	88	180	0.032	2.68
	11/28/07	148,500	10.8	88	172	0.083	4.56
Pinkneyville MP -16.0 (Cumberland)	07/24/07	6,000	16.6	20	104	0.077	3.48
	09/19/07	6,000	11.4	20	108	0.097	3.7
	11/27/07	12,000	18.9	36	116	0.071	3.3
Paducah MP -6.0 (Tennessee)	07/24/07	18,000	6.8	16	80	0.037	3.15
	09/19/07	15,000	3.2	16	48	0.031	3.3
	11/27/07	43,000	4	16	68	0.057	2.5
Lock & Dam 52 MP 938.9	07/25/07	No	15.8	66	164	0.04	3.49
	09/20/07	Flow	7.4	64	152	0.034	3.86
	11/28/07	Available	45	98	172	0.115	4.48

Ammonia-N (mg/L)	Nitrate/Nitrite-N (mg/L)	TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.03	0.702	0.433	32	<5	
0.08	0.562	0.281	20	<5	
0.05	0.402	0.435	30	<5	
0.05	0.982	0.449	22	<5	
0.07	1.08	0.272	28	<5	
0.12	0.759	0.801	30	<5	<0.005
0.05	1.87	0.79	66	<5	
0.12	1.87	0.489	66	<5	
0.11	1.32	0.879	68	<5	<0.005
0.11	1.17	0.503	52	<5	
0.28	1.06	0.531	32	<5	
0.09	0.881	0.499	26	<5	<0.005
0.05	1.25	0.612	52	<5	
0.17	1.04	0.413	34	<5	
0.1	0.91	0.368	32	<5	<0.005
0.08	1.04	0.459	64	<5	
0.05	0.956	0.273	42	<5	
0.07	0.788	0.732	32	<5	<0.005
0.05	0.841	0.482	50	<5	
<0.03	0.927	0.443	42	<5	
0.19	0.838	0.479		<5	<0.005
0.04	0.313	0.918	54	<5	
0.05	1.19	0.629	56	<5	
<0.03	2.01	0.698	46	<5	
0.08	0.711	0.625	50	<5	
0.06	0.959	0.339	40	<5	
<0.03	1.67	0.604	50	<5	<0.005
0.12	0.56	0.611	14	<5	
0.11	0.308	0.526	12	<5	
0.07	0.569	0.544	16	<5	
0.07	0.562	0.569	42	<5	
0.05	0.927	0.502	26	<5	

<0.03	1.41	0.513	48	<5	<0.005
<0.03	0.278	0.367	20	<5	
0.03	0.413	0.139	22	<5	
<0.03	0.282	0.289	24	<5	
0.03	0.688	0.412	48	<5	
0.07	1.11	0.542	40	<5	
0.1	0.869	0.612	56	<5	
0.07	1.19	2.15	60	<5	
0.04	1.58	1.25	52	<5	
<0.03	2.87	0.807	62	<5	
0.03	0.501	0.568	42	<5	
0.05	1.18	0.617	38	<5	
0.07	0.933	0.613	32	<5	
0.12	1.86	1.33	50	<5	
0.04	3.93	0.349	100	<5	
<0.03	2.01	0.779	54	<5	
0.06	<0.1	0.788	20	<5	
0.14	<0.1	0.634	26	<5	
<0.03	0.419	0.478	12	<5	
0.2	0.658	0.586	44	<5	
0.18	1.06	0.676	46	<5	
0.15	0.954	0.61	54	<5	
0.05	1.5	1.25	74	<5	
0.06	1.9	0.794	44	<5	
<0.03	3.28	0.9	48	<5	
0.12	0.656	0.709	42	<5	
0.14	1.33	0.467	56	<5	
0.17	1.18	0.55	50	<5	
<0.03	0.884	0.59	36	<5	
<0.03	1.3	0.658	50	<5	
0.05	1.32	<0.1	60	<5	
0.22	0.777	0.843	40	<5	
0.21	1.21	0.542	66	<5	
0.2	1.24	1.08	64	<5	
0.06	0.924	0.573	42	<5	
0.03	0.9	0.473	54	<5	
0.13	1.23	0.655	52	<5	
0.04	1.18	0.731	14	<5	
0.08	0.573	0.388	12	<5	

0.2	1.01	0.858	10	<5
0.04	0.931	0.458	30	<5
0.18	1.19	0.38	46	<5
0.05	1.7	0.688	32	<5
0.03	0.916	0.472	32	<5
0.05	0.849	0.32	36	<5
0.05	1.99	0.655	32	<5
0.03	6.4	1.21	36	<5
<0.03	<0.1	1.24	38	<5
<0.03	1.36	1.29	48	<5
0.2	0.611	0.586	32	<5
0.09	0.607	0.5	44	<5
0.07	1.2	0.64	50	<5
0.03	<0.1	0.544	12	<5
0.05	<0.1	0.543	8	<5
0.09	0.164	0.778	14	<5
<0.03	<0.1	0.418	16	<5
0.03	<0.1	0.481	12	<5
0.09	0.276	0.325	22	<5
0.06	0.55	0.613	34	<5
<0.03	0.447	0.523	32	<5
0.09	1.27	0.579	42	<5
