

	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)	Nitrate/Nitrite-N (mg/L)
Pittsburgh	07/16/08	10,200	4.5	60	72	<0.01	3.77	0.17	0.444
MP -7.4	09/17/08	8,900	9.17	86	132	<0.01	3.7	0.08	0.458
(Allegheny)	11/10/08	5,000	3	64	112	0.015	2.62	0.08	0.448
S. Pittsburgh	07/16/08	5,600	12.5	78	96	0.017	3.6	0.31	0.603
MP -4.5	09/17/08	3,300	13.2	138	140	0.038	4.89	<0.03	1.06
(Monongahela)	11/10/08	1,500	5.8	144	172	0.046	2.17	0.09	0.971
Beaver Falls	07/16/08	1,800	32	52	132	0.137	7.12	0.45	0.999
MP -5.3	09/17/08	1,100	9.67	60	148	0.114	10.1	0.09	1.08
(Beaver)	11/10/08	1,100	6.4	58	196	0.126	5.08	0.06	1.34
New Cumberland	07/16/08	No	9.5	38	124	0.017	4.29	0.16	0.713
MP 54.4	09/24/08	Flow	3.2	146	136	0.031	2.9	0.07	0.773
	11/12/08	Available	5.83	68	148	0.053	2.5	0.12	0.916
Pike Island	07/16/08	19,300	6.5	112	176	0.079	4.4	0.18	0.658
MP 84.2	09/24/08	7,200	3.6	100	144	0.034	3.1	NA	1.04
	11/12/08	8,000	2.33	64	156	0.067	2.67	0.12	1.16
Hannibal	07/17/08	17,900	5.2	110	104	<0.01	4.17	0.05	0.607
MP 126.4	09/17/08	15,100	5.17	104	156	0.024	5.72	0.15	1.03
	11/19/08	19,500	4.91	134	156	0.04	2.51	0.14	1.29
Willow Island	07/17/08	18,400	12.5	130	164	<0.01	3.71	0.05	0.541
MP 161.8	09/08/08	6,400	2.83	96	96	<0.01	3.6	0.1	0.732
	11/19/08	19,700	3.09	134	156	0.055	2.23	0.08	1.31
Marietta	07/23/08	4,900	15	100	260	0.083	5.7	0.09	0.431
MP -0.8	09/08/08	1,800	12.2	144	288	0.035	4.36	0.21	0.228
(Muskingum)	11/19/08	3,800	8.73	205	312	0.157	3.33	0.06	1.27
<b>NA - Not Available</b>									
Belleville	07/23/08	25,200	8.5	106	160	0.032	3.88	0.11	0.773
MP 203.9	09/08/08	8,200	1.5	120	144	<0.01	3.39	0.1	0.584
	11/13/08	10,300	3.67	70	176	0.054	2.2	0.09	1.24
Winfield	07/23/08	No	5	46	112	0.021	3.07	0.21	0.412
MP -31.1	09/24/08	Flow	7.4	56	92	0.05	2.4	0.09	0.858
(Kanawha)	11/20/08	Available	6.91	68	104	0.072	2.25	0.27	1.29
R.C. Byrd	07/23/08	29,100	23	58	116	0.073	4.44	0.1	0.724
MP 279.2	09/17/08	23,600	7.83	98	136	0.171	5.81	0.19	0.732
	11/13/08	13,100	14.2	76	164	0.047	2.23	0.08	1.09
Louisa	07/23/08	700	13	146	220	0.036	2.71	0.03	0.257
MP -20.3	09/24/08	300	12.8	R	272	0.016	2.7	0.06	0.37
(Big Sandy)	11/20/08	1,100	6.91	300	272	0.03	2.41	0.05	0.405

Greenup MP 341.0	07/21/08	16,200	6.4	74	136	0.028	3.75	0.57	0.678
	09/25/08	13,400	12.6	124	156	0.044	3.2	0.05	0.617
	11/05/08	16,500	29	116	152	0.093	3.07	0.04	0.981
Lucasville MP -15.0 (Scioto)	07/23/08	1,900	46	76	216	0.118	8.56	0.07	0.759
	09/24/08	600	24	106	292	0.119	7.4	0.04	0.964
	11/20/08	1,200	4.54	148	272	0.249	5.33	0.06	3.7
Meldahl MP 436.2	07/21/08	26,800	7	70	140	0.018	3.76	0.36	0.88
	09/25/08	15,700	4.8	132	148	0.024	2.9	0.06	0.677
	11/05/08	17,900	2.83	124	172	0.03	2.39	0.05	0.856
Newtown MP -7.5 (Little Miami)	07/17/08	600	15	28	176	0.259	4.61	0.11	2.32
	09/18/08	200	12	46	248	0.483	6.57	0.12	2.44
	11/17/08	400	7.5	56	252	0.36	3.71	0.04	2.66
Covington MP -4.7 (Licking)	07/25/08	200	14.5	30	108	0.057	5.67	0.09	<0.1
	09/18/08	100	16.8	34	136	0.093	7.49	0.15	<0.1
	11/17/08	500	27.3	38	92	0.102	3.11	0.05	<0.1
Anderson Ferry MP 477.5	07/17/08	43,500	16.5	64	108	0.059	3.92	0.15	0.798
	09/23/08	14,700	6.4	112	164	0.035	5.16	0.22	1.03
	11/19/08	41,400	<1	8	156	0.057	3.26	0.17	1.21
Elizabethtown MP -5.2 (Great Miami)	07/17/08	No	28.5	28	228	0.233	5.31	0.1	2.57
	09/18/08	Flow	27.7	60	244	0.234	11.4	0.07	0.615
	11/17/08	Available	11.3	74	304	0.383	3.54	0.06	3.01
Markland MP 531.5	07/21/08	31,500	9.47	50	148	0.131	5.5	0.12	0.44
	09/24/08	14,000	2.4	88	156	0.04	3.6	0.13	0.962
	11/19/08	43,600	5.45	120	188	0.065	2.43	0.18	1.11
Louisville MP 600.6	07/14/08	77,900	302	72	188	0.317	5	0.22	1.31
	09/24/08	14,700	2.4	104	168	0.083	3	0.05	1.06
	11/19/08	42,200	9.82	114	168	0.075	2.64	0.11	1.19
West Point MP 625.9	07/14/08	77,900	27	86	180	0.123	4.54	0.41	1.39
	09/24/08	14,700	4.2	134	188	0.054	3.3	0.09	1.07
	11/19/08	42,200	22.5	146	200	0.097	2.93	0.31	1.36
Cannelton MP 720.7	07/23/08	35,400	8	70	136	0.057	4.28	0.04	1.09
	09/18/08	27,600	4.83	88	184	0.035	5.84	0.08	1.43
	11/18/08	26,900	4.54	112	168	0.064	2.68	0.07	1.39
Sebree MP -41.3 (Green)	07/10/08	No	14.4	136	240	0.029	3.73	0.17	0.962
	09/04/08	Flow	11.5	110	188	0.029	4.36	0.07	0.305
	11/06/08	Available	10	44	136	0.045	2.67	0.18	0.679
Newburgh MP 776.1	07/10/08	78,700	16.5	74	200	0.047	3.54	0.14	1.23
	09/04/08	20,600	9.25	80	164	0.033	4.25	0.06	1.28
	11/06/08	25,000	4.18	114	184	0.086	3.14	0.05	1.51
J.T. Myers MP 846.0	07/10/08	120,400	12.4	74	144	0.054	3.76	0.14	1.61
	09/04/08	31,100	9	82	164	0.025	4.51	0.1	0.869
	11/06/08	33,000	6.86	112	184	0.082	3.04	0.05	0.982
Route 62 Bridge MP -28.5	07/10/08	No	43.2	42	208	0.131	4.74	0.16	2.47
	09/04/08	Flow	32	68	220	0.077	4.89	0.06	<0.1

(Wabash)	11/06/08	Available	51	84	276	0.196	5.14	0.08	0.867
Smithland MP 918.5	07/22/08	75,600	19.3	52	164	0.11	4.62	<0.03	1.61
	09/17/08	44,300	6.83	74	176	0.036	5.71	0.18	0.78
	11/17/08	46,300	3.27	100	192	0.098	2.92	0.13	1.01
Pinkneyville MP -16.0 (Cumberland)	07/21/08	6,000	16	18	100	0.148	4.2	0.08	0.104
	09/16/08	6,000	11	20	92	0.09	5.72	0.07	0.121
	11/17/08	6,000	8.54	34	100	0.086	3.11	0.05	0.112
Paducah MP -6.0 (Tennessee)	07/21/08	18,000	9	14	48	0.129	3.9	0.12	<0.1
	09/16/08	15,000	3.17	16	68	0.053	5.39	0.07	0.154
	11/17/08	13,000	1.64	20	64	0.072	2.41	0.06	0.247
Lock & Dam 52 MP 938.9	07/21/08	No	27.2	60	164	0.097	4.32	0.04	1.5
	09/16/08	Flow	17.5	74	180	0.061	6	1.05	1
	11/17/08	Available	14.7	82	160	0.089	3.17	0.1	0.715

TKN (mg/L)	Chlorides (mg/L)	Phenolics (ug/L)	Cyanide (mg/L)
0.481	32	<5	
0.441	34	<5	
0.305	36	<5	
0.156	16	<5	
0.484	34	<5	
0.522	42	<5	<0.005
0.988	38	<5	
0.836	44	<5	
0.519	70	<5	<0.005
0.424	20	<5	
0.431	40	<5	
0.512	52	<5	<0.005
0.641	22	<5	
NA	42	<5	
0.301	48	<5	<0.005
0.362	28	<5	
0.59	52	<5	
0.367	56	<5	<0.005
0.598	30	<5	
0.701	40	<5	
0.273	64	<5	<0.005
1.17	32	<5	
0.787	72	<5	
0.427	74	<5	
0.528	30	<5	
0.568	48	<5	
0.212	56	<5	<0.005
0.644	14	<5	
0.547	12	<5	
0.605	22	<5	
0.587	20	<5	
0.466	40	<5	
0.301	52	<5	<0.005
0.355	18	<5	
0.405	30	<5	
0.393	24	<5	

1.15	20	<5
0.416	48	<5
0.657	52	<5
2.26	38	<5
1.45	62	<5
0.424	70	<5
0.903	22	<5
0.371	30	<5
0.207	50	<5
0.721	40	<5
0.574	90	<5
0.494	94	<5
0.706	16	<5
1.22	20	<5
0.581	22	<5
0.591	24	<5
0.812	38	<5
0.37	50	<5
0.836	26	<5
2.38	76	<5
0.493	90	<5
0.858	24	<5
0.593	40	<5
0.419	62	<5
1.28	24	<5
0.475	38	<5
0.384	56	<5
0.772	26	<5
0.404	42	<5
0.679	66	<5
0.396	28	<5
0.448	40	<5
0.361	44	<5
0.598	10	<5
1.07	8	<5
0.568	6	<5
0.581	18	<5
0.714	26	<5
0.258	46	<5
0.474	20	<5
0.91	14	<5
0.511	38	<5
0.562	20	<5
1.94	44	<5

1.9	40	<5
0.569	16	<5
1.06	30	<5
0.471	40	<5
0.717	8	<5
1.03	12	<5
0.707	16	<5
0.676	12	<5
1.84	14	<5
0.425	18	<5
0.645	22	<5
2.2	28	<5
0.548	34	<5