

River	Confluence Mile Point	MSStation	Date
Monongahela	0	S. PITTSBURGH	15-Jul-15
Allegheny	0	PITTSBURGH	15-Jul-15
Beaver	25.4	BEAVER FALLS	15-Jul-15
Ohio	54.4	NEW CUMBERLAND	28-Jul-15
Ohio	84.2	PIKE ISLAND	28-Jul-15
Ohio	126.4	HANNIBAL	28-Jul-15
Ohio	161.8	WILLOW ISLAND	29-Jul-15
Muskingum	172.2	MARIETTA	28-Jul-15
Ohio	203.9	BELLEVILLE	29-Jul-15
Kanawha	265.7	WINFIELD	29-Jul-15
Ohio	279.2	R.C. BYRD	29-Jul-15
Big Sandy	317.1	LOUISA	30-Jul-15
Ohio	341	GREENUP	29-Jul-15
Scioto	356.5	LUCASVILLE	30-Jul-15
Ohio	436.2	MELDAHL	29-Jul-15
Little Miami	464.1	NEWTOWN	15-Jul-15
Licking	470.2	COVINGTON	15-Jul-15
Great Miami	491.1	ELIZABETHTOWN	15-Jul-15
Ohio	531.5	MARKLAND	28-Jul-15
Ohio	606.8	McAlpine	28-Jul-15
Ohio	720.7	CANNELTON	07-Jul-15
Ohio	776	NEWBURGH	07-Jul-15
Green	784.2	SEBREE	08-Jul-15
Ohio	846	UNIONTOWN	07-Jul-15
Wabash	848	ROUTE 62 BRIDGE	08-Jul-15
Ohio	918.5	SMITHLAND	07-Jul-15
Cumberland	920.4	PINKNEYVILLE	08-Jul-15
Tennessee	934.5	PADUCAH	08-Jul-15
Ohio	938.9	LOCK & DAM 52	07-Jul-15
Allegheny	0	Pittsburgh	17-Sep-15
Monongahela	0	South Pittsburgh	17-Sep-15
Beaver	25.4	Beaver Falls	17-Sep-15
Ohio	54.4	New Cumberland	01-Sep-15
Ohio	84.2	Pike Island	01-Sep-15
Ohio	126.4	Hannibal	01-Sep-15
Ohio	161.8	Willow Island	02-Sep-15
Muskingum	172.2	Marietta	01-Sep-15
Ohio	203.9	Belleville	02-Sep-15
Kanawha	265.7	Winfield	02-Sep-15
Ohio	279.2	R.C. Byrd	02-Sep-15
Big Sandy	317.1	Louisa	03-Sep-15
Ohio	341	Greenup	02-Sep-15
Scioto	356.5	Lucasville	03-Sep-15
Ohio	436.2	Meldahl	02-Sep-15
Little Miami	464.1	Newtown	30-Sep-15
Licking	470.2	Covington	04-Sep-15
Great Miami	491.1	Elizabethtown	30-Sep-15
Ohio	531.5	Markland	01-Sep-15

Ohio	606.8	McAlpine	01-Sep-15
Ohio	720.7	Cannelton	29-Sep-15
Ohio	776	Newburgh	29-Sep-15
Green	784.2	Sebree	30-Sep-15
Ohio	846	J.T. Myers	14-Sep-15
Wabash	848	Route 62 Bridge	15-Sep-15
Ohio	918.5	Smithland	14-Sep-15
Cumberland	920.4	Pinkneyville	30-Sep-15
Tennessee	934.5	Paducah	30-Sep-15
Ohio	938.9	L&D 52	29-Sep-15
Allegheny	0	PITTSBURGH	23-Nov-15
Monongahela	0	S. PITTSBURGH	23-Nov-15
Beaver	25.4	BEAVER FALLS	23-Nov-15
Ohio	54.4	NEW CUMBERLAND	17-Nov-15
Ohio	84.2	PIKE ISLAND	17-Nov-15
Ohio	126.4	HANNIBAL	17-Nov-15
Ohio	161.8	WILLOW ISLAND	18-Nov-15
Muskingum	172.2	MARIETTA	17-Nov-15
Ohio	203.9	BELLEVILLE	18-Nov-15
Kanawha	265.7	WINFIELD	18-Nov-15
Ohio	279.2	R.C. BYRD	18-Nov-15
Big Sandy	317.1	LOUISA	18-Nov-15
Ohio	341	GREENUP	04-Nov-15
Scioto	356.5	LUCASVILLE	19-Nov-15
Ohio	436.2	MELDAHL	04-Nov-15
Little Miami	464.1	NEWTOWN	30-Nov-15
Licking	470.2	COVINGTON	09-Nov-15
Great Miami	491.1	ELIZABETHTOWN	30-Nov-15
Ohio	531.5	MARKLAND	05-Nov-15
Ohio	606.8	McAlpine	05-Nov-15
Ohio	720.7	CANNELTON	12-Nov-15
Ohio	776	NEWBURGH	12-Nov-15
Green	784.2	SEBREE	24-Nov-15
Ohio	846	UNIONTOWN	09-Nov-15
Wabash	848	ROUTE 62 BRIDGE	24-Nov-15
Ohio	918.5	SMITHLAND	09-Nov-15
Cumberland	920.4	PINKNEYVILLE	23-Nov-15
Tennessee	934.5	PADUCAH	23-Nov-15
Ohio	938.9	LOCK & DAM 52	09-Nov-15

Flow	TSS(mg/L)	SO4(mg/L)	THARD(mg/L)	TPHOS(mg/L)	TOC(mg/L)	NH3-N(mg/L)
21.4	24.3	45.2	76	0.064	2.86	<0.03
27.1	30	39	72	0.069	2.98	<0.03
6	13.4	42.1	44	0.089	5.52	<0.03
0	7.14	53.8	96	0.072	3.03	<0.03
15.3	4.25	56.2	106	0.032	2.87	<0.03
15.4	3.33	60.6	102	0.041	3.03	<0.03
14	3	53.6	100	<0.01	2.94	<0.03
6.5	31.3	84.4	224	0.112	4.32	<0.03
22.6	2.25	59.8	124	0.031	3.25	<0.03
0	7.75	53.7	90	0.032	2.46	<0.03
30.2	9.25	52.4	108	0.038	3.14	<0.03
2.7	21.2	168	250	0.053	2.16	<0.03
37.6	6.29	57	110	0.048	3.09	<0.03
4.2	38	48	254	0.175	4.76	<0.03
43.6	8.17	49	122	0.054	3.52	<0.03
7.5	294	13.8	176	0.549	7.48	<0.03
42.3	351	9.1	120	0.884	7.1	<0.03
0	360	21.5	277	0.637	5.57	<0.03
56.7	6.33	43.1	134	0.074	4.09	<0.03
0	6.33	36.7	132	0.087	4.02	<0.03
202.7	105	49.5	173	0.257	4.2	<0.03
279.2	204	62	167	0.32	4.3	0.03
0	124	43.7	123	0.207	5	<0.03
431	147	49.8	165	0.222	5.52	<0.03
0	24.5	24.8	198	0.184	6.41	<0.03
439.7	110	41	152	0.244	5.82	<0.03
0	16.7	25	100	0.109	2.4	<0.03
0	6.57	16.2	76.7	0.068	2.5	<0.03
0	32	39.8	140	0.164	4.3	<0.03
0	2.57	82	130	0.026	2.49	<0.03
0	4.25	118	143	0.02	3.22	<0.03
0	9	64.2	173	0.126	5.98	<0.03
0	3.78	84.8	150	0.046	3.03	<0.03
8.5	3.25	100	160	0.043	2.88	<0.03
8.6	3.33	92.5	152	0.03	3.22	<0.03
8.2	5	88	133	0.035	3.2	0.03
1.9	18	115	247	0.075	3.39	<0.03
10.5	3.5	87.2	150	0.034	2.97	<0.03
0	7	64.8	140	0.033	2.03	<0.03
13.5	5.25	72.5	137	0.035	2.84	<0.03
0.9	12.2	267	307	0.028	1.84	<0.03
15	1.5	84.8	140	0.033	2.68	<0.03
1.5	31.2	107	310	0.35	5.04	<0.03
16.5	4	70.5	150	0.038	3	<0.03
0.1	80.5	39.5	213	0.395	4.5	<0.03
0.5	12.2	23	153	0.07	3.84	<0.03
0	39.6	60.2	303	0.346	4.1	<0.03
33	4.25	65.2	160	0.134	3.35	<0.03

0	8.67	53.5	153	0.046	3.15	<0.03
20.9	3.75	80	173	0.037	3.36	<0.03
21.5	5	79.5	167	0.045	3.41	<0.03
0	15.7	72	190	0.053	3.36	<0.03
37.1	6.75	54.5	170	0.05	2.43	<0.03
0	31.4	67.8	267	0.14	3.66	<0.03
37.3	9	58.2	203	0.074	3.57	<0.03
0	10.2	24	86.7	0.076	2.77	<0.03
0	4	<12.5	56.7	0.073	<0.5	<0.03
0	12.6	38.5	120	0.057	3.13	<0.03
17.8	3.37	35.5	72	0.029	2.48	<0.03
3	2.53	130	152	0.025	2.43	<0.03
1.5	1.26	59.2	164	0.074	4.99	<0.03
0	1.67	67	100	0.031	2.67	<0.03
30.7	2.29	54	104	0.048	2.86	<0.03
31	3.47	63	104	0.029	3.02	<0.03
27.3	5.6	66.2	100	0.039	3.11	<0.03
3.3	18.8	138	256	0.101	3.62	<0.03
32.9	2.29	68.5	120	0.04	3.35	<0.03
0	5.33	29.5	64	0.029	2	<0.03
43.8	7.64	64.2	108	0.045	3.06	<0.03
1.1	3.47	209	284	0.01	2.04	<0.03
53	7	97.5	148	0.049	2.54	<0.03
3	8.53	77.2	260	0.237	4.67	<0.03
54.4	21.7	102	160	0.082	2.71	<0.03
2	19.8	36	188	0.239	6.27	<0.03
1.4	15.7	45	176	0.126	4.09	<0.03
0	42.4	45.5	296	0.217	4.66	<0.03
55.7	8	97.5	160	0.048	2.77	<0.03
0	7.43	90.8	144	0.059	2.74	<0.03
56.2	8.86	83.8	436	0.072	2.92	<0.03
65.8	15.7	80	152	0.08	3.33	<0.03
0	109	46.5	136	0.108	4.64	<0.03
98.5	10	92	196	0.079	2.61	<0.03
0	57.1	62	260	0.161	3.96	<0.03
110.8	7	91.8	248	0.081	3.01	<0.03
0	10.7	20.2	100	0.097	2.35	<0.03
0	4.57	18.8	80	0.063	1.96	<0.03
0	16.3	92.2	188	0.086	3.16	<0.03

NO2-NO3-N(mg/L)	TKN(mg/L)	Chloride(mg/L)	Phenol(ug/L)	CN(ug/L)	pH(su)	Temp(C)
0.497	0.344	22.5	<5		7.08	22.1
0.644	0.403	17.5	<5		7.32	22.6
1.08	0.957	37.5	<5		7.21	22.3
0.648	0.403	24	<5		7.7	28.8
0.66	0.516	24	<5		7.79	28.8
0.679	0.434	28	<5.8		8	28.7
0.707	0.469	25	<5		8.48	27.5
0.626	1.23	41.2	<5		8.45	29.4
0.785	0.477	26	<5		7.91	28.8
0.428	0.452	8	<5		8.14	28.1
0.752	0.65	20	<5		7.89	29.2
0.298	0.31	16	<5		8.03	27.2
0.733	0.41	16	<5			27.8
1.32	0.967	33	<5		8.08	26.7
0.81	0.441	15	<5		8.3	28.3
1.2	2.14	52.5	<5		7.8	20.5
0.814	1.88	6	<5		7.67	21.6
2.5	1.97	22.5	<5		7.96	22.6
1.02	0.558	16.2	<5		7.82	26.1
1.04	0.488	13.8	<5		7.75	26.6
1.33	0.747	16.7	<5		7.41	23.7
1.5	0.935	17.5	<5		7.61	24.6
1.31	0.916	8	<5		7.32	22.6
1.58	0.743	17.1	<5			
2.21	0.8	15.6	<5			23.1
1.79	0.787	17.1	<5			25.4
0.205	0.636	7	<5		7.57	27.6
0.066	0.399	9	<5		7.62	28
1.63	0.611	16	<5		7.58	25.7
0.395	<0.136	33.3	<5		7.5	22.9
0.938	<0.136	40	<5		6.69	23.2
1.33	0.36	70	5		7	21.3
0.923	0.548	43.3	<5		7.51	32.8
0.782	0.617	38.3	<5		8.32	29.5
0.743	0.544	55	<5		8.28	28.7
0.695	0.534	46.6	<5		8.68	26.4
0.634	0.764	72	<5		8.33	27.3
0.558	0.627	46.6	<5		8.48	27.2
0.378	0.475	16.7	<5		9.28	27.5
0.348	0.531	30	<5		8.45	30
0.167	0.268	28.3	<5		7.82	24.8
0.438	0.304	28.7	<5		7.94	27.9
0.995	1.47	66	<5			25.4
0.47	0.474	27.5	<5		7.93	29
2.34	1.25	62	<5			
0.471	0.578	7.5	<5			
1.61	1.36	82	<5			
0.717	1.29	32	<5		7.66	27.1

0.736	0.453	28.3	<5		7.99	27.7
0.96	0.507	30	<5			
0.954	0.601	30	<5			
0.852	0.576	11.9	<5			
0.772	0.757	22.5	<5			
0.411	1.68	35	<5			
0.497	0.58	25	<5			
0.287	0.53	8.1	<5			
0.151	0.371	13.8	<5			
0.329	0.606	16.7	<5			
0.508	0.382	15	<5		7.59	8.6
0.907	0.511	31	<5	<0.005	7.35	10.5
1.28	0.737	57.5	<5	<0.005	7.78	9.7
0.899	0.344	26	<5	<0.005	8.02	16.5
0.818	0.408	27	<5	<0.005	8	13.2
0.753	0.479	28.3	<5	<0.005	8.08	12.6
0.748	0.474	28.7	<5	<0.005	7.98	12.2
1.23	0.71	55	<5		8.17	11.7
0.759	0.514	28.3	<5	<0.005	8.07	13.1
0.434	0.368	7	<5		8.29	13.3
0.743	0.431	25	<5	<0.005	7.97	14.5
0.228	0.188	28.7	<5		8.09	13.3
0.822	0.521	38	<5		7.14	17.3
1.89	0.733	50	<5		8.23	11.2
0.936	0.749	41	<5		7.58	17.9
1.28	1.35	35	<5			
0.427	1.12	12	<5		7.9	13.8
2.31	1.18	51.6	<5			
0.828	0.508	36	<5			
0.745	0.575	30	<5			
0.997	0.981	29	<5		7.95	15.9
0.979	0.674	32	<5		7.84	16
0.793	0.962	6	<5			
0.982	0.602	32	<5			
1.71	0.864	30	<5			
1.05	0.753	35	<5			
0.461	0.519	6.25	<5			
0.33	0.294	10	<5			
1.04	0.757	35	<5			

DO(mg/L)	SpCond(umhos/cm)
8.2	210
8.3	196
8	325
	298.2
	310.7
	319
	307.9
	538
	356
	246.6
	303.9
	620
	315.7
	561
	330.4
	301.5
	229.6
	425.9
	314.7
	294.9
	334.2
	355.6
	264.5
	401.3
	344.5
	234.5
	190.4
	328
8.2	381
8	460
7.8	506
	461
	482
	503
	465.7
	698
	481
	346.9
	383.2
	823
	384.9
	792
	397.7
	403.8

