Ohio River Navigation Dams

Mile Point	Name	Normal Pool Elevation (ft.)*	Year Placed in Operation**
6.2	Emsworth	710.0	1921
13.2	Dashields	692.0	1929
31.7	Montgomery	682.0	1936
54.4	New Cumberland	664.5	1959
84.2	Pike Island	644.0	1963
126.4	Hannibal (h)	623.0	1972
161.7	Willow Island	602.0	1972
203.9	Belleville	582.0	1965
237.5	Racine (h)	560.0	1967
279.2	Robert C. Byrd	538.0	1937
341.0	Greenup (h)	515.0	1962
436.2	Captain Anthony Meldahl	485.0	1964
531.5	Markland (h)	455.0	1963
606.8	McAlpine (h)	420.0	1961
720.7	Cannelton	383.0	1972
776.1	Newburgh	358.0	1975
846.0	John T. Myers	342.0	1975
918.5	Smithland	324.0	1980
938.9	Lock & Dam 52	302.0	1928
962.6	Lock & Dam 53	290.0	1929

* Height of water surface above mean sea level (National Geodedic Vertical Data)

** Defined as when the pool was raised

(h) Hydropower facilities

Information provided by the U.S. Army Corps of Engineers

Appendix A: Selected Tributaries to the Ohio River

Tributary Name	Enters Ohio River at Mile Point	Stream Length (Miles)	Drainage Area (Square Miles)
Allegheny River (PA)	0.0	325	11,700
Monongahela River (PA)	0.0	128	7,400
Chartiers Creek (PA)	2.5		277
Beaver River (PA)	25.4	21	3,130
Racoon Creek (PA)	29.6		200
Little Beaver River (PA)	39.5	51	510
Yellow Creek (OH)	50.4	34	240
Cross Creek (OH)	71.6	27	128
Buffalo Creek (WV)	74.7		160
Short Creek (OH)	81.4	29	147
Wheeling Creek (OH)	91.0	30	108
Wheeling Creek (WV)	91.0		300
McMahon Creek (OH)	94.7	28	91
Grave Creek (WV)	102.5		75
Captina Creek (OH)	109.6	39	181
Fish Creek (WV)	113.8		250
Sunfish Creek (OH)	118.0	31	114
Fishing Creek (WV)	128.3		220
Middle Island Creek (WV)	154.0	70	560
Little Muskingum River (OH)	168.3		315
Duck Creek (OH)	170.7	52	228
Muskingum River (OH)	172.2	112	8,040
Little Kanawha River (WV)	184.6	160	2,320
Little Hocking River (OH)	191.8	18	103
Hocking River (OH)	199.3	100	1,190
Shady River (OH)	210.6		221
Shady Creek (WV)	220.6		115
Mill Creek (WV)	231.5		230
Leading Creek (OH)	254.2	30	151
Kanawha River (WV)	265.7	97	12,200
Raccoon Creek (OH)	276.0	109	684
Guyandotte River (WV)	305.2	66	1,670
Symmes Creek (OH)	308.7	70	356
Twelvepole Creek (WV)	313.2		440
Big Sandy River (WV-KY)	317.1	27	4,280

Appendix A: Selected Tributaries to the Ohio River

Tributary Name	Enters Ohio River at Mile Point	Stream Length (Miles)	Drainage Area (Square Miles)
Little Sandy River (KY)	336.4		724
Pine Creek (OH)	346.9	48	185
Little Scioto River (OH)	349.0	41	233
Tygarts Creek (KY)	353.3		336
Scioto River (OH)	356.5	237	6,510
Kinniconick Creek (KY)	368.1		253
Ohio Brush Creek (OH)	388.0	57	435
Eagle Creek (OH)	415.7	31	154
Whiteoak Creek (OH)	423.9	49	234
Little Miami River (OH)	464.1	90	1,670
Licking River (KY)	470.2	320	3,670
Mill Creek (OH)	472.5	28	166
Great Miami River (OH)	491.1	161	5,400
Tanners Creek (IN)	494.8		136
Laughery Creek (IN)	498.7	39	350
Kentucky River (KY)	545.8	255	6,970
Little Kentucky River (KY)	546.5	35	147
Indian Kentucky River (IN)	550.5		150
Silver Creek (IN)	606.5		225
Salt River (KY)	629.9	125	2,890
Big Indiana Creek (IN)	657.0		253
Blue River (IN)	663.0		435
Sinking Creek (KY)	700.9		154
Anderson Creek (IN)	731.5		234
Blackford Creek (KY)	742.2		124
Little Pigeon Creek (IN)	773.0		415
Green River (KY)	784.2	370	9,230
Pigeon Creek (IN)	792.9		375
Wabash River (IN-IL)	848.0	474	33,100
Saline River (IL)	867.3	27	1,170
Tradewater River (KY)	873.5	110	1,000
Cumberland River (KY)	920.4	693	17,920
Tennessee River (KY)	934.5	652	40,910
Cache River (IL)	975.7		720

Appendix A: Hydrologic Data for Water Years 2003-2005

Flows in Cubic Feet per Second (CFS)

Wheeling, WV- Mile Point 84.2

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	225,200	33,300	79,335	292%
December-03	118,100	41,300	73,843	176%
January-04	180,900	45,900	84,713	149%
February-04	105,800	11,600	34,348	75%
March-04	110,100	32,500	69,910	111%
April-04	173,600	18,700	55,025	78%
May-04	240,000	19,200	71,839	110%
June-04	60,500	11,300	25,206	57%
July-04	87,400	16,200	43,177	132%
August-04	167,000	37,900	89,716	362%
September-04	209,800	32,100	69,326	311%
October-04	57,900	23,200	38,890	191%
November-04	42,500	13,900	24,203	89%
December-04	352,300	13,900	97,360	232%
January-05	154,500	23,100	67,590	119%
February-05	17,500	5,800	7,626	17%
March-05	138,200	39,100	77,127	123%
April-05	112,800	28,400	63,025	89%
May-05	331,900	39,000	122,274	186%
June-05	15,800	7,400	11,110	25%
July-05	18,600	7,000	11,927	36%
August-05	164,200	29,700	61,965	250%
September-05	58,500	19,200	32,139	144%

Moundsville, WV - Mile Point 126.4

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	224,300	32,300	79,092	291%
December-03	123,400	41,700	75,047	179%
January-04	244,300	20,300	73,600	129%
February-04	184,200	19,300	56,218	122%
March-04	168,400	38,200	90,671	144%
April-04	184,300	46,600	86,167	122%
May-04	213,300	32,300	70,390	107%
June-04	88,000	16,400	43,790	100%
July-04	60,700	11,500	25,384	77%
August-04	106,400	11,700	34,594	139%
September-04	356,100	14,100	99,727	447%
October-04	43,100	14,100	24,552	120%
November-04	58,600	23,700	39,660	146%
December-04	111,600	33,200	71,184	170%
January-05	340,300	39,600	125,594	220%
February-05	114,300	29,000	63,861	139%
March-05	165,900	30,200	62,987	100%
April-05	159,000	23,500	68,933	98%
May-05	59,300	19,600	32,742	50%
June-05	18,900	7,100	12,093	27%
July-05	15,900	7,500	11,200	34%
August-05	17,800	5,900	7,703	31%
September-05	23,500	4,600	9,887	44%

Willow Island, WV - Mile Point 161.8

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	217,600	35,700	86,381	274%
December-03	130,000	43,300	78,550	138%
January-04	265,400	21,800	79,387	95%
February-04	188,600	20,800	61,879	103%
March-04	183,100	42,400	94,155	111%
April-04	197,500	47,900	89,980	80%
May-04	193,500	33,000	72,923	74%
June-04	90,100	16,900	45,558	70%
July-04	61,100	12,000	26,177	56%
August-04	109,900	11,900	35,132	103%
September-04	331,300	14,300	102,180	342%
October-04	45,800	14,200	27,094	127%
November-04	61,400	25,000	42,363	134%
December-04	118,500	35,100	71,594	126%
January-05	296,600	40,500	132,581	158%
February-05	118,900	30,600	67,232	112%
March-05	158,600	31,400	67,587	79%
April-05	151,900	24,400	72,523	65%
May-05	61,500	20,300	35,394	36%
June-05	24,100	8,300	14,763	23%
July-05	19,800	7,800	12,206	26%
August-05	18,000	6,000	8,642	25%
September-05	24,100	4,700	11,550	39%

Parkersburg, WV - Mile Point 203.9

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	255,900	43,600	109,396	347%
December-03	159,200	59,400	101,980	179%
January-04	319,800	32,500	110,823	132%
February-04	238,000	29,000	85,479	143%
March-04	234,000	53,200	115,706	136%
April-04	263,900	65,600	123,263	110%
May-04	240,400	46,700	99,177	100%
June-04	120,600	32,200	72,510	111%
July-04	67,400	19,600	33,445	71%
August-04	122,200	15,100	43,935	129%
September-04	396,000	20,200	130,810	437%
October-04	56,100	20,300	36,900	173%
November-04	85,700	34,000	57,893	184%
December-04	157,500	45,900	96,048	169%
January-05	372,000	70,400	184,223	220%
February-05	159,400	58,200	98,686	165%
March-05	202,300	43,000	90,865	107%
April-05	207,800	33,300	101,080	90%
May-05	96,800	30,200	52,774	53%
June-05	32,100	11,900	19,630	30%
July-05	23,500	11,700	16,565	35%
August-05	37,000	8,100	11,929	35%
September-05	43,800	7,200	16,537	55%

Flows in Cubic Feet per Second (CFS)

R. C. Byrd Dam - Mile Point 279.2

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	393,600	65,400	179,588	404%
December-03	211,000	87,000	142,157	191%
January-04	366,600	47,500	144,152	141%
February-04	343,900	45,000	126,339	152%
March-04	324,100	70,600	149,061	126%
April-04	375,000	89,000	171,387	115%
May-04	260,800	57,700	124,042	100%
June-04	200,300	44,000	105,806	123%
July-04	86,100	29,000	44,848	68%
August-04	132,700	19,200	53,400	116%
September-04	415,100	26,500	162,650	410%
October-04	132,500	31,900	57,658	213%
November-04	129,000	54,900	89,630	201%
December-04	213,000	63,300	133,506	179%
January-05	417,100	82,100	220,084	216%
February-05	193,800	76,700	129,732	156%
March-05	302,600	69,200	136,774	115%
April-05	291,300	45,800	139,267	93%
May-05	172,600	43,400	78,655	64%
June-05	47,200	16,800	27,693	32%
July-05	52,200	17,600	28,590	43%
August-05	44,500	11,400	19,365	42%
September-05	60,500	10,500	21,133	53%

Greenup Dam - Mile Point 341.0

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	406,900	63,700	195,658	440%
December-03	226,400	101,800	160,347	215%
January-04	424,900	47,800	170,542	167%
February-04	373,400	53,800	143,314	173%
March-04	344,800	77,200	163,935	138%
April-04	401,900	99,600	196,137	131%
May-04	283,500	51,300	132,090	107%
June-04	267,700	53,800	128,432	149%
July-04	103,000	20,900	47,832	73%
August-04	143,100	22,800	57,510	124%
September-04	422,000	27,100	177,273	447%
October-04	142,600	29,600	64,990	240%
November-04	157,400	46,900	103,777	233%
December-04	248,400	73,900	153,752	206%
January-05	439,700	91,000	242,010	237%
February-05	216,600	91,100	146,014	176%
March-05	310,200	82,200	154,658	130%
April-05	323,100	51,800	157,703	106%
May-05	223,300	49,200	91,577	74%
June-05	50,300	17,100	29,383	34%
July-05	56,800	20,400	31,874	48%
August-05	53,400	12,100	22,797	49%
September-05	62,000	12,700	21,743	55%

Meldahl Dam - Mile Point 436.2

Date	Flow (CFS)			% Long - Term Average
	Maximum	Minimum	Average	
November-03	403,500	67,300	201,596	483%
December-03	235,500	119,900	177,260	236%
January-04	452,200	59,300	194,477	151%
February-04	398,100	57,200	159,757	126%
March-04	353,800	82,100	179,152	115%
April-04	408,800	119,800	210,850	98%
May-04	316,300	60,700	148,690	88%
June-04	291,600	61,700	147,526	123%
July-04	105,000	32,600	51,090	71%
August-04	127,800	25,100	62,400	130%
September-04	418,500	29,900	182,017	453%
October-04	140,300	30,900	70,403	202%
November-04	159,500	59,900	115,877	278%
December-04	268,200	82,700	169,865	226%
January-05	507,100	108,200	289,677	225%
February-05	235,000	111,100	163,564	129%
March-05	322,500	91,900	166,161	107%
April-05	348,200	56,500	183,720	85%
May-05	236,000	51,700	102,313	60%
June-05	55,600	17,600	33,947	28%
July-05	56,900	22,900	34,648	48%
August-05	58,400	14,200	24,274	50%
September-05	71,600	14,500	25,780	64%

Cincinnati, OH - Mile Point 477.5

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	398,500	68,500	208,304	500%
December-03	251,600	131,200	188,370	251%
January-04	459,300	64,700	209,019	163%
February-04	409,400	62,400	170,032	135%
March-04	363,200	86,900	183,606	118%
April-04	396,700	113,700	218,973	101%
May-04	336,400	65,300	156,752	93%
June-04	328,400	67,000	158,506	132%
July-04	139,600	34,500	55,100	76%
August-04	132,200	25,800	64,448	134%
September-04	415,900	30,900	186,417	464%
October-04	162,600	34,600	77,926	224%
November-04	175,800	74,200	127,750	306%
December-04	280,600	90,500	182,539	243%
January-05	524,800	119,000	308,239	240%
February-05	242,800	124,300	172,654	137%
March-05	332,500	95,800	173,268	111%
April-05	359,800	58,300	193,620	90%
May-05	248,200	52,300	107,329	63%
June-05	56,800	17,500	34,930	29%
July-05	58,800	24,000	35,865	50%
August-05	87,300	15,400	25,761	54%
September-05	74,600	15,100	27,140	68%

Flows in Cubic Feet per Second (CFS)

Markland, KY - Mile Point 531.5

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	401,200	73,100	215,365	417%
December-03	269,500	143,500	199,327	218%
January-04	473,700	70,700	228,700	141%
February-04	418,200	66,000	180,114	129%
March-04	368,500	92,900	191,761	112%
April-04	400,000	116,900	229,717	109%
May-04	352,500	70,600	166,426	88%
June-04	392,100	73,400	181,732	133%
July-04	120,600	35,900	57,923	64%
August-04	139,000	24,100	68,777	118%
September-04	412,100	33,300	187,647	370%
October-04	162,100	36,700	83,055	183%
November-04	183,500	81,800	134,050	260%
December-04	283,100	94,500	190,945	208%
January-05	562,200	156,200	348,629	215%
February-05	259,800	134,300	185,496	133%
March-05	330,500	102,600	181,742	106%
April-05	380,100	63,300	207,137	99%
May-05	270,100	56,500	115,790	61%
June-05	72,200	20,400	38,710	28%
July-05	69,800	25,700	40,455	44%
August-05	104,500	11,900	27,616	47%
September-05	79,700	16,900	33,047	65%

Louisville, KY - Mile Point 607

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	412,000	76,200	224,788	493%
December-03	295,100	159,600	220,907	279%
January-04	513,800	90,700	257,023	173%
February-04	461,400	75,800	197,711	136%
March-04	402,600	101,100	205,913	117%
April-04	443,400	126,300	246,170	99%
May-04	423,200	74,000	179,523	91%
June-04	473,900	82,500	208,323	149%
July-04	125,700	39,400	63,606	78%
August-04	148,000	25,100	76,477	142%
September-04	434,200	35,700	200,373	457%
October-04	183,000	39,300	91,129	234%
November-04	213,700	91,800	153,183	336%
December-04	330,700	104,400	217,587	275%
January-05	595,200	174,100	381,990	257%
February-05	277,300	148,800	200,582	138%
March-05	361,100	112,000	195,674	111%
April-05	411,800	70,500	225,290	90%
May-05	310,100	60,700	129,606	66%
June-05	74,900	20,600	39,277	28%
July-05	71,100	25,200	41,871	51%
August-05	111,800	13,900	29,471	55%
September-05	95,200	17,600	34,940	80%

West Point, KY - Mile Point 608

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	412,000	76,200	224,788	351%
December-03	295,100	159,600	220,907	197%
January-04	513,800	90,700	257,023	127%
February-04	463,100	75,800	197,771	103%
March-04	402,600	101,100	205,913	91%
April-04	443,400	126,300	246,170	91%
May-04	423,200	74,000	182,558	75%
June-04	473,900	82,500	208,323	115%
July-04	125,700	39,400	63,606	54%
August-04	148,000	25,100	76,477	103%
September-04	434,200	35,700	200,373	328%
October-04	183,000	39,300	91,129	168%
November-04	213,700	91,800	153,183	239%
December-04	330,700	104,400	217,587	194%
January-05	595,200	174,100	381,990	188%
February-05	277,300	148,800	200,582	105%
March-05	361,100	112,000	195,674	86%
April-05	411,800	70,500	225,290	84%
May-05	310,100	60,700	129,606	53%
June-05	74,900	20,600	39,277	22%
July-05	71,100	25,200	41,871	35%
August-05	111,800	13,900	29,471	40%
September-05	95,200	17,600	34,940	57%

Cannelton, IN - Mile Point 720.7

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	397,500	76,000	224,558	351%
December-03	293,200	170,000	225,913	202%
January-04	509,300	96,000	265,145	131%
February-04	435,900	80,600	199,968	105%
March-04	408,200	100,500	208,384	92%
April-04	407,900	148,300	250,477	93%
May-04	412,800	84,800	190,252	78%
June-04	470,100	105,700	226,955	126%
July-04	123,500	44,500	72,997	61%
August-04	152,200	32,000	82,119	110%
September-04	422,100	33,300	196,853	323%
October-04	185,400	41,700	97,126	180%
November-04	206,500	101,200	160,427	251%
December-04	313,500	116,900	218,239	195%
January-05	591,500	176,400	399,855	197%
February-05	268,300	157,500	203,800	107%
March-05	348,800	116,300	192,903	85%
April-05	398,300	85,500	233,383	87%
May-05	296,800	74,900	143,003	58%
June-05	81,800	19,100	40,380	22%
July-05	67,900	22,200	42,810	36%
August-05	77,400	15,900	29,003	39%
September-05	120,800	16,500	34,223	56%

Appendix A: Hydrologic Data for Water Years 2003-2005

Flows in Cubic Feet per Second (CFS)

Evansville, IN - Mile Point 776.1

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	391,900	81,900	235,400	368%
December-03	322,500	186,100	247,637	221%
January-04	534,800	126,200	300,997	148%
February-04	449,800	107,900	227,389	119%
March-04	415,300	115,400	228,374	100%
April-04	417,200	158,900	270,737	100%
May-04	409,500	97,300	209,048	85%
June-04	511,700	113,900	260,423	144%
July-04	126,800	53,500	78,719	66%
August-04	155,800	30,900	86,045	116%
September-04	412,500	36,500	198,027	325%
October-04	190,800	43,700	101,932	188%
November-04	230,500	107,300	176,773	276%
December-04	343,400	139,700	248,248	222%
January-05	622,200	200,900	439,271	216%
February-05	292,800	173,600	227,289	119%
March-05	387,800	121,300	205,829	91%
April-05	425,700	91,900	256,827	95%
May-05	320,400	81,600	160,300	65%
June-05	86,400	19,900	43,143	24%
July-05	70,000	24,100	44,881	38%
August-05	83,200	19,300	30,503	41%
September-05	152,300	20,600	46,377	76%

J.T. Myers - Mile Point 846.0

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	457,900	93,200	268,458	419%
December-03	411,000	220,100	298,570	267%
January-04	642,000	160,400	391,590	193%
February-04	489,300	137,200	263,311	138%
March-04	472,200	151,200	276,613	122%
April-04	431,800	195,600	310,800	115%
May-04	479,400	124,900	239,761	98%
June-04	586,600	175,400	340,339	189%
July-04	155,100	79,900	108,184	91%
August-04	180,500	36,500	103,655	139%
September-04	412,600	66,000	217,533	357%
October-04	225,300	50,800	117,419	217%
November-04	276,500	130,900	215,903	337%
December-04	413,200	172,100	303,065	271%
January-05	901,700	255,500	614,100	303%
February-05	389,400	233,400	306,389	160%
March-05	416,700	148,600	244,310	107%
April-05	466,900	117,600	297,863	110%
May-05	358,000	107,400	196,755	80%
June-05	125,100	34,600	67,483	37%
July-05	80,200	30,200	56,426	47%
August-05	65,200	25,800	40,213	54%
September-05	152,500	27,400	57,493	94%

Smithland, KY - Mile Point 918.5

Date	Flow (CFS)			% Long-Term Average
	Maximum	Minimum	Average	
November-03	465,800	96,300	264,442	187%
December-03	426,000	222,800	304,350	139%
January-04	643,100	164,600	402,161	98%
February-04	484,000	141,100	268,718	78%
March-04	474,300	151,000	279,952	73%
April-04	431,800	189,000	312,860	63%
May-04	463,300	127,800	238,626	54%
June-04	580,700	185,500	351,190	101%
July-04	172,300	81,600	109,445	47%
August-04	173,500	39,600	105,200	66%
September-04	410,100	66,100	219,143	156%
October-04	224,300	52,500	118,394	95%
November-04	270,200	133,300	214,943	152%
December-04	417,800	173,800	306,268	139%
January-05	907,700	243,200	621,187	151%
February-05	392,700	242,300	312,600	90%
March-05	400,900	150,000	246,771	64%
April-05	471,400	118,700	306,447	62%
May-05	356,000	109,500	201,794	46%
June-05	118,500	35,500	68,410	20%
July-05	81,900	25,900	56,952	24%
August-05	65,600	26,500	40,574	25%
September-05	166,600	28,000	58,547	42%

Appendix B: Sampling Sites and Monitoring Locations for ORSANCO Programs

BIMONTHLY AND CLEAN METALS SAMPLING LOCATIONS				
Station Name	**River**	**River Mile Point**	**Bordering States**	**STORET Code**
New Cumberland	Ohio	54.4	OH - WV	OR926.6M
Pike Island	Ohio	84.2	OH - WV	OR896.8M
Hannibal	Ohio	126.4	OH - WV	OR8546M
Willow Island	Ohio	161.7	OH - WV	OR8192M
Belleville	Ohio	203.9	OH - WV	OR7771M
R.C. Byrd	Ohio	279.2	OH - WV	OR7018M
Greenup	Ohio	341	OH - KY	OR640M
Meldahl	Ohio	436.2	OH - KY	OR5448M
Anderson Ferry	Ohio	477.5	OH - KY	OR502.2M
Markland	Ohio	531.5	IN - KY	OR4495M
Louisville	Ohio	600.6	IN - KY	OR374.2M
West Point	Ohio	625.9	IN - KY	OR3551M
Cannelton	Ohio	720.7	IN - KY	OR2603M
Newburgh	Ohio	776.1	IN - KY	OR204.9M
J.T. Myers	Ohio	846	IN - KY	OR1350M
Smithland	Ohio	918.5	IL - KY	OR62.5M
Lock & Dam 52	Ohio	938.9	IL - KY	OR42.1M

CONTACT RECREATION BACTERIA SAMPLING LOCATIONS		
Metropolitan Area	**Site**	**Location Description**
Pittsburgh	Site 1	Mile point 1.4L, above Brunot Island
		A left descending bank sample is collected by boat at this location
	Site 2	Mile point 1.4M, above Brunot Island
		A midstream sample is collected by boat at this location
	Site 3	Mile point 1.4R, above Brunot Island
		A right descending bank sample is collected by boat at this location
	Site 4	Mile point 4.3, above Davis and Neville Islands
		A midstream surface grab is collected by boat at this location
Wheeling	Site 1	Milepoint 86.8, at the Wheeling Water Department Intake
		A grab sample is collected from the raw water intake
	Site 2	Mile point 91.4, below Wheeling Island
		A surface grab sample is collected from the right descending bank
	Site 3	Mile point 92.8, at the 48th Street Boat Club
		A surface grab sample is collected from the dock on the left descending bank
Huntington	Site 1	Mile point 305.1, at the Guyan Marina
		A surface grab sample is collected from a dock on the left descending bank
	Site 2	Mile point 308.1, at the Riverfront Public Launching Ramp
		A surface grab sample is collected from a dock on the left descending bank
	Site 3	Mile point 314.8, at the Kosmos Cement Company
		A bailer is lowered from a barge morring on the left descending bank.
Cincinnati	Site 1	Mile point 462.6, at the California Yacht Club
		A surface grab sample is collected from a dock on the right descending bank
	Site 2	Mile point 470.0, at the Serpentine Wall
		A surface grab sample is collected on the right descending bank
	Site 3	Mile point 477.5, at the Anderson Ferry
		A midstream surface grab sample is collected by boat at this locations
Louisville	Site 1	Mile point 594.0, at the Upper Louisville Water Company intake
		A grab sample is collected from the raw water intake at the water company
	Site 2	Mile point 608.7, at Jaycee's Boat Ramp
		A surface grab sample is collected from a dock on the right descending bank
	Site 3	Mile point 619.3 at the Greenwood Road Public Access Site
		A surface grab sample is collected from a dock on the left descending bank
Evansville	Site 1	Mile point 791.5, at the Evansville Water Plant
		A grab sample is collected from the raw water intake at the water plant
	Site 2	Mile point 793.7, at the Bristol-Myers parking lot
		A surface grab sample is collected on the righ descending bank.
	Site 3	Mile point 797.3 at the US Army Corps of Engineers ramp
		A surface grab sample is collected from a dock on the right descending bank

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
1.0	Allegheny		Trib	
1.0	Monongahela		Trib	
1.5	Ohio	PA	POTW	1.29
3.3	Ohio	PA	POTW	3.1
6.2			Emsworth L&D	
6.4	Ohio		Standard	
9.5	Ohio	PA	POTW	9.32
11.4	Ohio	PA	POTW	11.23
12.5	Ohio	PA	POTW	12.3
13.2			Dashields L&D	
14.4	Ohio	PA	POTW	14.2
17.7	Ohio	PA	POTW	17.5
20.5	Ohio	PA	POTW	20.3
20.8	Ohio	PA	POTW	20.6
21.8	Ohio	PA	POTW	21.6
22.9	Ohio	PA	POTW	22.7
25.5	Ohio	PA	POTW	25.3
1.0	Beaver		Trib	
25.8	Ohio	PA	POTW	25.6
26.4	Ohio	PA	POTW	26.2
28.3	Ohio	PA	POTW	28.1
31.7			Montgomery L&D	
32.9	Ohio		Standard	
37.6	Ohio	PA	POTW	37.4
41.2	Ohio		Standard	
44.8	Ohio	OH	POTW	44.6
48.7	Ohio	OH	POTW	47.6
52.5	Ohio		Standard	
54.4			New Cumberland L&D	
56.4	Ohio		Standard	
60.3	Ohio	OH	POTW	60.1
66.4	Ohio	WV	POTW	66.2
66.9	Ohio	OH	POTW	66.7
70.7	Ohio	WV	POTW	70.5
71.8	Ohio	OH	POTW	71.6
74.9	Ohio	WV	POTW	74.7
80.2	Ohio		Standard	
84.2			Pike Island L&D	
85.6	Ohio		Standard	
91.2	Ohio	WV	POTW	90.8
94.2	Ohio	OH	POTW	94
97.8	Ohio		POTW	97.6
102.6	Ohio	WV	POTW	102.4
107.7	Ohio		Standard	
113.0	Ohio		Standard	
118.3	Ohio		Standard	
123.7	Ohio	OH	WWTP	123.5
124.9	Ohio	WV	POTW	124.7
126.4			Hannibal L&D	

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
129.1	Ohio		Standard	
133.4	Ohio	WV	POTW	133.2
138.7	Ohio		Standard	
144.2	Ohio		Standard	
149.6	Ohio		Standard	
155.0	Ohio		Standard	
160.4	Ohio		Standard	
161.7			Willow Island L&D	
165.8	Ohio		Standard	
171.2	Ohio	OH	POTW	171
1.0	Muskingum		Trib	172.1
175.1	Ohio		Standard	
179.4	Ohio		Standard	
183.5	Ohio	WV	POTW	183.3
1.0	L. Kanawha		Trib	184.6
185.9	Ohio	OH	POTW	185.7
190.8	Ohio		Standard	
195.7	Ohio	WV	POTW	195.5
1.0	Hocking		Trib	199.3
200.7	Ohio		Standard	
203.9			Belleville L&D	
205.7	Ohio		Standard	
210.7	Ohio		Standard	
215.7	Ohio		Standard	
220.4	Ohio	WV	POTW	220.2
225.4	Ohio		Standard	
230.4	Ohio		Standard	
235.6	Ohio		Standard	
237.5			Racine L&D	
240.4	Ohio		Standard	
245.4	Ohio		Standard	
250.4	Ohio		Standard	
255.5	Ohio		Standard	
260.6	Ohio		Standard	
265.7	0.7	WV	POTW	265.7
1.3	Kanawha		Trib	265.7
269.8	Ohio	OH	POTW	269.8
275.2	Ohio		Standard	
279.2			R.C. Byrd L&D	
279.2			R.C. Byrd L&D	
280.8	Ohio		Standard	
285.9	Ohio		Standard	
291.4	Ohio		Standard	
296.6	Ohio		Standard	
302.0	Ohio		Standard	
1.0	Guyandotte		Trib	305.2
307.7	Ohio		Standard	
313.3	Ohio	OH/WV	POTW	313.1
0.5	Big Sandy	KY	POTW	317.1
1.0	Big Sandy		Trib	317.1

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
317.2	Ohio	OH	POTW	317
321.5	Ohio	KY	POTW	321.3
327.4	Ohio	OH	POTW	327.2
327.7	Ohio	KY	POTW	327.5
328.0	Ohio	KY	POTW	327.8
332.5	Ohio	KY	POTW	332.3
1.0	Little Sandy		Trib	336.3
338.1	Ohio		Standard	
341.0			Greenup L&D	
343.5	Ohio		Standard	
349.2	Ohio	OH	POTW	349
352.0	Ohio	OH	POTW	351.8
353.8	Ohio	OH	POTW	353.6
0.5	Scioto		Trib	356.5
359.3	Ohio		Standard	
364.6	Ohio		Standard	
369.8	Ohio		Standard	
375.0	Ohio		Standard	
380.4	Ohio		Standard	
385.4	Ohio		Standard	
390.6	Ohio		Standard	
395.0	Ohio		Standard	
400.4	Ohio		Standard	
405.8	Ohio		Standard	
411.4	Ohio	KY	POTW	411.18
416.4	Ohio		Standard	
421.6	Ohio		Standard	
426.4	Ohio		Standard	
431.4	Ohio		Standard	
436.2			Meldahl L&D	
436.8	Ohio		Standard	
441.5	Ohio		Standard	
446.5	Ohio		Standard	
451.6	Ohio	KY	POTW	451.4
455.3	Ohio	OH	POTW	455.1
460.0	Ohio		Standard	
1.0	Little Miami		Trib	464.1
465.0	Ohio	OH	POTW	464.5
468.7	Ohio		Standard	
1.0	Licking		Trib	470.2
0.4	Mill Creek		Trib	472.5
472.7	Ohio	OH	POTW	472.5
477.6	Ohio	KY	POTW	477.4
482.2	Ohio	OH	POTW	482
486.2	Ohio	OH	POTW	486
489.7	Ohio		Standard	
1.0	Great Miami		Trib	491.1
493.2	Ohio	IN	POTW	493
498.0	Ohio		Standard	
503.1	Ohio		Standard	

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
508.3	Ohio		Standard	
513.4	Ohio		Standard	
518.5	Ohio		Standard	
523.4	Ohio		Standard	
528.4	Ohio		Standard	
531.7			Markland L&D	
533.2	Ohio		Standard	
538.5	Ohio		Standard	
543.5	Ohio		Standard	
1.5	Kentucky		Trib	545.8
548.3	Ohio		Standard	
553.6	Ohio		Standard	
558.8	Ohio	IN	POTW	558.6
562.7	Ohio	IN	POTW	562.5
567.6	Ohio		Standard	
572.5	Ohio		Standard	
577.4	Ohio		Standard	
582.9	Ohio		Standard	
587.8	Ohio		Standard	
592.2	Ohio	IN	POTW	592
597.1	Ohio		Standard	
602.2	Ohio	IN	POTW	602
604.3	Ohio	IN	POTW	604.1
607.5	Ohio	IN	POTW	606
606.8			McAlpine L&D	
609.7	Ohio	IN	POTW	609.5
612.2	Ohio	KY	POTW	612
617.6	Ohio		Standard	
623.1	Ohio	KY	POTW	622.9
628.1	Ohio		Standard	
1.5	Salt		Trib	
630.0	Ohio		Standard	
631.6	Ohio	KY	POTW	631.4
637.6	Ohio	KY	POTW	637.4
643.1	Ohio	KY	POTW	642.9
648.9	Ohio		Standard	
654.0	Ohio		Standard	
659.0	Ohio		Standard	
664.2	Ohio	IN	POTW	664
669.1	Ohio		Standard	
674.5	Ohio		Standard	
680.4	Ohio		Standard	
685.6	Ohio		Standard	
690.7	Ohio		Standard	
695.6	Ohio		Standard	
700.9	Ohio		Standard	
706.2	Ohio		Standard	
711.5	Ohio	KY	Standard	711.3
717.4	Ohio		Standard	
720.7			Cannelton L&D	

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
721.5	Ohio		Standard	
726.8	Ohio	IN	POTW	726.6
732.5	Ohio		Standard	
738.8	Ohio	KY	POTW	738.6
742.4	Ohio	IN	POTW	742.2
746.4	Ohio	IN	POTW	746.2
750.6	Ohio		Standard	
754.8	Ohio	KY	POTW	754.6
758.0	Ohio	KY	POTW	757.8
763.2	Ohio		Standard	
769.1	Ohio		Standard	
773.6	Ohio		Standard	
776.1			Newburgh L&D	
778.2	Ohio	IN	POTW	778
782.8	Ohio		Standard	
2.0	Green		Maj Trib	784.2
787.0	Ohio		Standard	
792.7	Ohio	IN	POTW	792.5
794.2	Ohio	IN	POTW	794
800.0	Ohio		Standard	
805.8	Ohio	KY	POTW	805.6
811.3	Ohio		Standard	
817.0	Ohio		Standard	
823.2	Ohio		Standard	
829.5	Ohio	IN	POTW	829.3
832.2	Ohio		Standard	
837.2	Ohio		Standard	
842.3	Ohio	KY	POTW	842.1
846.0			J.T. Meyers	
846.5	Ohio		Standard	
2.0	Wabash		Maj Trib	848
851.3	Ohio		Standard	
855.5	Ohio		Standard	
859.7	Ohio	IL	POTW	859.5
864.4	Ohio		Standard	
1.4	Saline		Maj Trib	867.3
869.8	Ohio		Standard	
1.2	Tradewater		Maj Trib	873.5
875.7	Ohio		Standard	
880.7	Ohio	IL	POTW	880.5
885.0	Ohio		Standard	
889.2	Ohio	IL	POTW	889
891.7	Ohio	IL	POTW	891.5
897.5	Ohio		Standard	
903.2	Ohio	IL	POTW	903
908.0	Ohio		Standard	
912.6	Ohio		Standard	
917.6	Ohio		Standard	
918.5			Smithland L&D	
3.3	Cumberland		Maj Trib	920.4

LONGITUDINAL BACTERIA SURVEY SAMPLING LOCATIONS				
Mile Point	**River**	**State**	**Sample Type**	**Outfall / Confluence Mile Point**
923.4	Ohio		Standard	
927.9	Ohio		Standard	
932.2	Ohio		Standard	
4.3	Tennessee		Maj Trib	934.5
936.2	Ohio	KY	POTW	936
937.7	Ohio	IL	POTW	937.5
938.9			L&D 52	
940.9	Ohio		Standard	
944.2	Ohio	IL	POTW	944
947.5	Ohio		Standard	
952.2	Ohio	IL	POTW	952
957.7	Ohio		Standard	
962.6			L&D 53	
963.0	Ohio		Standard	
969.2	Ohio		Standard	
974.1	Ohio	IL	POTW	973.9
979.2	Ohio	IL	POTW	979

Appendix C: 2005 Ohio River Fish Index Scores

MilePoint	Pool	ORFIn Score	Habitat Type	Criteria	Result
32.7	New Cumberland	55	A	39	Pass
34.3	New Cumberland	55	A	39	Pass
34.5	New Cumberland	41	B	33	Pass
35.9	New Cumberland	51	A	39	Pass
37.3	New Cumberland	37	B	33	Pass
37.7	New Cumberland	49	A	39	Pass
39.2	New Cumberland	47	B	33	Pass
40.2	New Cumberland	39	B	33	Pass
40.9	New Cumberland	47	A	39	Pass
41.9	New Cumberland	45	B	33	Pass
44.8	New Cumberland	49	A	39	Pass
45.7	New Cumberland	51	A	39	Pass
46.2	New Cumberland	39	B	33	Pass
46.6	New Cumberland	49	B	33	Pass
48.2	New Cumberland	49	A	39	Pass
48.7	New Cumberland	53	A	39	Pass
50.2	New Cumberland	39	A	39	Pass
51.9	New Cumberland	43	A	39	Pass
205.2	Racine	39	A	39	Pass
208.7	Racine	39	A	39	Pass
210.2	Racine	37	B	33	Pass
210.7	Racine	43	A	39	Pass
214.3	Racine	37	B	33	Pass
217.0	Racine	37	B	33	Pass
218.0	Racine	37	C	20	Pass
219.8	Racine	37	C	20	Pass
223.5	Racine	35	B	33	Pass
225.4	Racine	39	B	33	Pass
226.2	Racine	39	B	33	Pass
226.4	Racine	41	B	33	Pass
227.1	Racine	37	B	33	Pass
227.6	Racine	35	B	33	Pass
229.8	Racine	25	C	28	**Fail**
231.6	Racine	41	B	33	Pass
231.8	Racine	39	B	33	Pass
236.1	Racine	35	B	33	Pass
439.5	Markland	45	A	39	Pass
440.0	Markland	49	C	24	Pass
449.1	Markland	41	B	33	Pass
462.6	Markland	45	B	33	Pass
464.7	Markland	45	B	33	Pass
465.5	Markland	45	A	39	Pass
469.3	Markland	51	A	39	Pass
471.8	Markland	49	A	39	Pass
473.8	Markland	47	B	33	Pass
476.2	Markland	47	B	33	Pass
479.0	Markland	43	B	33	Pass
480.6	Markland	55	A	39	Pass
487.5	Markland	37	C	26	Pass
491.1	Markland	45	B	33	Pass
508.5	Markland	45	C	26	Pass

Appendix C: 2005 Ohio River Fish Index Scores

MilePoint	Pool	ORFIn Score	Habitat Type	Criteria	Result
509.5	Markland	37	B	33	Pass
520.9	Markland	33	B	33	Pass
528.2	Markland	43	A	39	Pass
528.3	Markland	41	B	33	Pass
530.2	Markland	43	B	33	Pass
778.5	JT Myers	41	A	39	Pass
783.8	JT Myers	47	B	33	Pass
789.4	JT Myers	43	C	31	Pass
790.2	JT Myers	35	C	31	Pass
799.2	JT Myers	41	A	39	Pass
799.4	JT Myers	41	C	31	Pass
800.4	JT Myers	39	B	33	Pass
802.3	JT Myers	37	B	33	Pass
804.9	JT Myers	43	B	33	Pass
809.3	JT Myers	41	B	33	Pass
813.1	JT Myers	41	C	33	Pass
819.4	JT Myers	37	B	33	Pass
821.0	JT Myers	37	C	33	Pass
826.6	JT Myers	43	B	33	Pass
831.3	JT Myers	49	B	33	Pass
831.5	JT Myers	37	A	39	**Fail**
837.6	JT Myers	49	C	32	Pass
842.2	JT Myers	55	A	39	Pass

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Ag (ug/L)	0.13	50	ok	<0.1		3.01	ok			
01/15/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		2.99	ok			
03/10/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		2.48	ok			
05/26/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		4.54	ok			
07/14/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		5.34	ok			
09/29/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		2.87	ok			
11/23/04	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		4.44	ok			
01/25/05	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		3.81	ok			
03/24/05	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		5.73	ok			
05/23/05	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1		7.18	ok			
07/13/05	Anderson Ferry	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
11/04/03	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		4.19	ok			
01/13/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		3.72	ok			
03/11/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		3.13	ok			
05/05/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		6.35	ok			
07/13/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		6.61	ok			
09/16/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		2.99	ok			
11/11/04	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		7.60	ok			
01/04/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		4.68	ok			
01/28/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
02/01/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
02/03/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
03/15/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		5.98	ok			
05/04/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		6.42	ok			
07/12/05	Belleville	Ag (ug/L)	<0.1	50	ok	<0.1		6.31	ok			
11/24/03	Cannelton	Ag (ug/L)	0.10	50	ok	<0.1		3.18	ok			
01/14/04	Cannelton	Ag (ug/L)	0.11	50	ok	<0.1		3.20	ok			
03/09/04	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		6.23	ok			
05/25/04	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		6.48	ok			
07/07/04	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		5.93	ok			
09/09/04	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		6.01	ok			
11/17/04	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		7.16	ok			
01/26/05	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		4.56	ok			
03/22/05	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		5.91	ok			
05/23/05	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		14.76	ok			
07/13/05	Cannelton	Ag (ug/L)	<0.1	50	ok	<0.1		5.95	ok			
01/15/04	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		2.35	ok			
03/11/04	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		2.56	ok			
05/26/04	Greenup	Ag (ug/L)	0.10	50	ok	<0.1		3.69	ok			
07/14/04	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		5.56	ok			
09/29/04	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		3.39	ok			
11/23/04	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		3.58	ok			
01/26/05	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		3.71	ok			
03/23/05	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		4.74	ok			
05/24/05	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		4.90	ok			
07/14/05	Greenup	Ag (ug/L)	<0.1	50	ok	<0.1		4.41	ok			
11/12/03	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		1.89	ok			
01/26/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		7.27	ok			
03/04/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		4.06	ok			
05/12/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		2.97	ok			
07/15/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		5.60	ok			
09/23/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		2.65	ok			
11/04/04	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		6.45	ok			
01/20/05	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		2.86	ok			
03/16/05	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		4.01	ok			
05/12/05	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		4.77	ok			
07/14/05	Hannibal	Ag (ug/L)	<0.1	50	ok	<0.1		6.29	ok			
11/24/03	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		2.65	ok			
01/27/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		5.85	ok			
03/08/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		6.94	ok			
05/24/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		6.28	ok			
07/06/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		5.64	ok			
09/08/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		6.64	ok			
11/16/04	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		6.17	ok			
01/26/05	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		4.22	ok			
03/21/05	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		5.44	ok			
05/24/05	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		6.30	ok			
07/12/05	J.T. Myers	Ag (ug/L)	<0.1	50	ok	<0.1		5.45	ok			
11/24/03	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		4.96	ok			
01/27/04	L&D 52	Ag (ug/L)	<0.1	50	ok	0.12		8.16	ok			
03/08/04	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		8.23	ok			
05/24/04	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		7.60	ok			
07/06/04	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		5.88	ok			
09/08/04	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		7.13	ok			
11/16/04	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		7.18	ok			
01/27/05	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		3.74	ok			
03/21/05	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		8.26	ok			
05/24/05	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		7.36	ok			
07/12/05	L&D 52	Ag (ug/L)	<0.1	50	ok	<0.1		6.42	ok			
11/20/03	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		4.14	ok			
01/29/04	Louisville	Ag (ug/L)	<0.1	50	ok	0.10		5.46	ok			
03/09/04	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		5.85	ok			
05/25/04	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		6.88	ok			
07/07/04	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		5.68	ok			
09/09/04	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		5.82	ok			
11/17/04	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		7.04	ok			
01/26/05	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		4.58	ok			
03/22/05	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		5.86	ok			
05/23/05	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		6.11	ok			
07/13/05	Louisville	Ag (ug/L)	<0.1	50	ok	<0.1		6.57	ok			
11/20/03	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		3.27	ok			
01/14/04	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		3.13	ok			
03/10/04	Markland	Ag (ug/L)	0.10	50	ok	<0.1		3.25	ok			
05/26/04	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		5.25	ok			
07/15/04	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		5.54	ok			
09/09/04	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		7.71	ok			

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		6.76	ok			
01/26/05	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		3.97	ok			
03/24/05	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		6.05	ok			
05/23/05	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		6.88	ok			
07/13/05	Markland	Ag (ug/L)	<0.1	50	ok	<0.1		6.58	ok			
01/15/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		2.69	ok			
03/11/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		2.94	ok			
05/26/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		4.65	ok			
07/15/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		4.78	ok			
09/29/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		2.70	ok			
11/23/04	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		4.28	ok			
01/25/05	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		3.71	ok			
03/23/05	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		5.14	ok			
05/24/05	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		4.82	ok			
07/14/05	Meldahl	Ag (ug/L)	<0.1	50	ok	<0.1		5.33	ok			
11/12/03	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		1.91	ok			
01/26/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	0.15		5.02	ok			
03/04/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		3.77	ok			
05/12/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		3.27	ok			
07/15/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		4.90	ok			
09/26/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		2.25	ok			
11/04/04	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		4.36	ok			
01/20/05	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		2.57	ok			
03/16/05	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		14.74	ok			
05/12/05	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		3.33	ok			
07/14/05	New Cumberland	Ag (ug/L)	<0.1	50	ok	<0.1		1.35	ok			
11/24/03	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		3.37	ok			
01/28/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		6.80	ok			
03/09/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		6.35	ok			
05/25/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		7.19	ok			
07/07/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		5.73	ok			
09/09/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		6.67	ok			
11/17/04	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		7.08	ok			
01/26/05	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		4.86	ok			
03/22/05	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		5.63	ok			
05/23/05	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		6.24	ok			
07/13/05	Newburgh	Ag (ug/L)	<0.1	50	ok	<0.1		5.38	ok			
11/12/03	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		1.95	ok			
01/26/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.45	ok			
03/04/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.08	ok			
05/12/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		3.95	ok			
07/15/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.95	ok			
09/29/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		1.81	ok			
11/04/04	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		5.04	ok			
01/20/05	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		2.59	ok			
03/16/05	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		3.66	ok			
05/12/05	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		3.96	ok			
07/14/05	Pike Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.75	ok			
11/04/03	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
01/13/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		2.59	ok			
03/11/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		1.58	ok			
05/05/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		2.63	ok			
07/13/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		5.26	ok			
09/16/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		3.17	ok			
11/11/04	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		4.82	ok			
01/04/05	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		3.55	ok			
03/15/05	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		2.25	ok			
05/04/05	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		1.72	ok			
07/12/05	R.C. Byrd	Ag (ug/L)	<0.1	50	ok	<0.1		4.67	ok			
11/24/03	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		3.42	ok			
01/27/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		8.80	ok			
03/08/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		8.02	ok			
05/24/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		7.60	ok			
07/06/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		7.61	ok			
09/08/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		7.43	ok			
11/16/04	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		8.09	ok			
01/27/05	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		4.09	ok			
03/21/05	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		7.77	ok			
05/24/05	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		7.24	ok			
07/12/05	Smithland	Ag (ug/L)	<0.1	50	ok	<0.1		5.91	ok			
11/20/03	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		2.63	ok			
01/29/04	West Point	Ag (ug/L)	<0.1	50	ok	0.11		5.88	ok			
03/09/04	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		5.46	ok			
05/25/04	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		7.40	ok			
07/07/04	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		7.92	ok			
09/09/04	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		7.81	ok			
11/17/04	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		7.66	ok			
01/27/05	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		4.62	ok			
03/22/05	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		6.79	ok			
05/23/05	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		6.78	ok			
07/13/05	West Point	Ag (ug/L)	<0.1	50	ok	<0.1		7.82	ok			
11/04/03	Willow Island	Ag (ug/L)	0.10	50	ok	<0.1		2.83	ok			
01/13/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		2.81	ok			
03/11/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		1.99	ok			
05/05/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.16	ok			
07/13/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.68	ok			
09/16/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		1.87	ok			
11/11/04	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		6.30	ok			
01/04/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		3.35	ok			
01/28/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
02/01/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
02/03/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1			insufficient data			
03/15/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		3.83	ok			
05/04/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		4.10	ok			
07/12/05	Willow Island	Ag (ug/L)	<0.1	50	ok	<0.1		6.65	ok			

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Al (ug/L)	9600.00			8.24						
01/15/04	Anderson Ferry	Al (ug/L)	1480.00			5.74						
03/10/04	Anderson Ferry	Al (ug/L)	2790.00			13.35						
05/26/04	Anderson Ferry	Al (ug/L)	1765.00			10.62						
07/14/04	Anderson Ferry	Al (ug/L)	339.43			10.59						
09/29/04	Anderson Ferry	Al (ug/L)	1504.36			9.79						
11/23/04	Anderson Ferry	Al (ug/L)	1246.93			8.62						
01/25/05	Anderson Ferry	Al (ug/L)	1445.61			11.26						
03/24/05	Anderson Ferry	Al (ug/L)	885.83			22.02						
05/23/05	Anderson Ferry	Al (ug/L)	570.66			17.24						
07/13/05	Anderson Ferry	Al (ug/L)	104.49			10.58						
11/04/03	Belleville	Al (ug/L)	171.00			10.36						
01/13/04	Belleville	Al (ug/L)	990.00			20.00						
03/11/04	Belleville	Al (ug/L)	1020.00			17.42						
05/05/04	Belleville	Al (ug/L)	218.00			23.00						
07/13/04	Belleville	Al (ug/L)	77.66			16.29						
09/16/04	Belleville	Al (ug/L)	899.48			8.87						
11/11/04	Belleville	Al (ug/L)	207.32			15.26						
01/04/05	Belleville	Al (ug/L)	1033.12			12.27						
01/28/05	Belleville	Al (ug/L)	939.86			11.10						
02/01/05	Belleville	Al (ug/L)	1023.27			11.47						
02/03/05	Belleville	Al (ug/L)	680.51			12.19						
03/15/05	Belleville	Al (ug/L)	516.00			20.23						
05/04/05	Belleville	Al (ug/L)	341.75			17.63						
07/12/05	Belleville	Al (ug/L)	85.48			11.95						
11/24/03	Cannelton	Al (ug/L)	3220.00			7.34						
01/14/04	Cannelton	Al (ug/L)	2660.00			6.53						
03/09/04	Cannelton	Al (ug/L)	2710.00			8.89						
05/25/04	Cannelton	Al (ug/L)	1810.00			8.70						
07/07/04	Cannelton	Al (ug/L)	572.30			10.16						
09/09/04	Cannelton	Al (ug/L)	213.84			5.23						
11/17/04	Cannelton	Al (ug/L)	1557.60			6.95						
01/26/05	Cannelton	Al (ug/L)	2576.04			11.16						
03/22/05	Cannelton	Al (ug/L)	558.72			13.12						
05/23/05	Cannelton	Al (ug/L)	735.29			6.33						
07/13/05	Cannelton	Al (ug/L)	155.61			6.03						
01/15/04	Greenup	Al (ug/L)	850.00			8.96						
03/11/04	Greenup	Al (ug/L)	1600.00			14.78						
05/26/04	Greenup	Al (ug/L)	2710.00			11.29						
07/14/04	Greenup	Al (ug/L)	346.63			10.40						
09/29/04	Greenup	Al (ug/L)	909.61			11.67						
11/23/04	Greenup	Al (ug/L)	1077.62			8.31						
01/26/05	Greenup	Al (ug/L)	2745.46			9.05						
03/23/05	Greenup	Al (ug/L)	902.00			14.93						
05/24/05	Greenup	Al (ug/L)	227.76			16.29						
07/14/05	Greenup	Al (ug/L)	59.18			12.22						
11/12/03	Hannibal	Al (ug/L)	2460.00			8.81						
01/26/04	Hannibal	Al (ug/L)	410.00			17.10						
03/04/04	Hannibal	Al (ug/L)	1090.00			19.30						
05/12/04	Hannibal	Al (ug/L)	117.00			26.00						
07/15/04	Hannibal	Al (ug/L)	253.74			26.89						
09/23/04	Hannibal	Al (ug/L)	2116.85			21.34						
11/04/04	Hannibal	Al (ug/L)	167.19			20.75						
01/20/05	Hannibal	Al (ug/L)	884.21			19.05						
03/16/05	Hannibal	Al (ug/L)	469.52			17.32						
05/12/05	Hannibal	Al (ug/L)	129.89			30.97						
07/14/05	Hannibal	Al (ug/L)	79.71			18.58						
11/24/03	J.T. Myers	Al (ug/L)	8890.00			7.52						
01/27/04	J.T. Myers	Al (ug/L)	2050.00			10.25						
03/08/04	J.T. Myers	Al (ug/L)	1790.00			7.98						
05/24/04	J.T. Myers	Al (ug/L)	1985.00			10.07						
07/06/04	J.T. Myers	Al (ug/L)	747.26			11.22						
09/08/04	J.T. Myers	Al (ug/L)	301.23			8.09						
11/16/04	J.T. Myers	Al (ug/L)	3699.45			5.90						
01/26/05	J.T. Myers	Al (ug/L)	1803.47			8.87						
03/21/05	J.T. Myers	Al (ug/L)	1003.00			10.91						
05/24/05	J.T. Myers	Al (ug/L)	844.71			8.41						
07/12/05	J.T. Myers	Al (ug/L)	129.05			12.19						
11/24/03	L&D 52	Al (ug/L)	9490.00			6.28						
01/27/04	L&D 52	Al (ug/L)	4070.00			5.91						
03/08/04	L&D 52	Al (ug/L)	2320.00			6.00						
05/24/04	L&D 52	Al (ug/L)	1090.00			8.03						
07/06/04	L&D 52	Al (ug/L)	1168.63			6.07						
09/08/04	L&D 52	Al (ug/L)	288.56			3.70						
11/16/04	L&D 52	Al (ug/L)	2968.79			29.22						
01/27/05	L&D 52	Al (ug/L)	1824.25			6.60						
03/21/05	L&D 52	Al (ug/L)	1375.00			8.27						
05/24/05	L&D 52	Al (ug/L)	1013.36			6.56						
07/12/05	L&D 52	Al (ug/L)	241.90			11.95						
11/20/03	Louisville	Al (ug/L)	4070.00			8.11						
01/29/04	Louisville	Al (ug/L)	560.00			8.32						
03/09/04	Louisville	Al (ug/L)	3180.00			10.49						
05/25/04	Louisville	Al (ug/L)	2855.00			9.73						
07/07/04	Louisville	Al (ug/L)	749.26			10.11						
09/09/04	Louisville	Al (ug/L)	390.62			5.48						
11/17/04	Louisville	Al (ug/L)	817.77			6.46						
01/26/05	Louisville	Al (ug/L)	1664.48			12.44						
03/22/05	Louisville	Al (ug/L)	401.83			14.10						
05/23/05	Louisville	Al (ug/L)	922.29			11.51						
07/13/05	Louisville	Al (ug/L)	146.97			8.44						
11/20/03	Markland	Al (ug/L)	2910.00			8.42						
01/14/04	Markland	Al (ug/L)	1910.00			9.11						
03/10/04	Markland	Al (ug/L)	7960.00			13.39						
05/26/04	Markland	Al (ug/L)	2270.00			9.25						
07/15/04	Markland	Al (ug/L)	275.06			8.76						
09/09/04	Markland	Al (ug/L)	437.52			6.66						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Al (ug/L)	677.83			6.47						
01/26/05	Markland	Al (ug/L)	962.10			10.96						
03/24/05	Markland	Al (ug/L)	904.00			17.90						
05/23/05	Markland	Al (ug/L)	316.19			13.14						
07/13/05	Markland	Al (ug/L)	95.63			15.99						
01/15/04	Meldahl	Al (ug/L)	1460.00			7.43						
03/11/04	Meldahl	Al (ug/L)	1930.00			13.44						
05/26/04	Meldahl	Al (ug/L)	2905.00			14.54						
07/15/04	Meldahl	Al (ug/L)	207.38			6.32						
09/29/04	Meldahl	Al (ug/L)	958.92			10.00						
11/23/04	Meldahl	Al (ug/L)	912.85			10.81						
01/25/05	Meldahl	Al (ug/L)	1759.56			9.57						
03/23/05	Meldahl	Al (ug/L)	257.88			14.55						
05/24/05	Meldahl	Al (ug/L)	262.33			14.45						
07/14/05	Meldahl	Al (ug/L)	652.80			8.21						
11/12/03	New Cumberland	Al (ug/L)	172.00			15.10						
01/26/04	New Cumberland	Al (ug/L)	530.00			9.06						
03/04/04	New Cumberland	Al (ug/L)	1010.00			13.10						
05/12/04	New Cumberland	Al (ug/L)	138.00			23.00						
07/15/04	New Cumberland	Al (ug/L)	219.81			20.67						
09/26/04	New Cumberland	Al (ug/L)	1027.23			19.23						
11/04/04	New Cumberland	Al (ug/L)	208.64			19.20						
01/20/05	New Cumberland	Al (ug/L)	555.34			16.19						
03/16/05	New Cumberland	Al (ug/L)	340.62			16.78						
05/12/05	New Cumberland	Al (ug/L)	107.41			24.93						
07/14/05	New Cumberland	Al (ug/L)	127.58			14.48						
11/24/03	Newburgh	Al (ug/L)	11600.00			5.90						
01/28/04	Newburgh	Al (ug/L)	1080.00			8.08						
03/09/04	Newburgh	Al (ug/L)	3340.00			9.19						
05/25/04	Newburgh	Al (ug/L)	1630.00			9.15						
07/07/04	Newburgh	Al (ug/L)	547.44			11.36						
09/09/04	Newburgh	Al (ug/L)	209.87			5.40						
11/17/04	Newburgh	Al (ug/L)	2460.04			5.90						
01/26/05	Newburgh	Al (ug/L)	2589.39			9.92						
03/22/05	Newburgh	Al (ug/L)	974.66			11.95						
05/23/05	Newburgh	Al (ug/L)	3367.73			8.25						
07/13/05	Newburgh	Al (ug/L)	94.47			6.17						
11/12/03	Pike Island	Al (ug/L)	399.00			12.34						
01/26/04	Pike Island	Al (ug/L)	286.00			12.30						
03/04/04	Pike Island	Al (ug/L)	1220.00			13.90						
05/12/04	Pike Island	Al (ug/L)	153.00			27.00						
07/15/04	Pike Island	Al (ug/L)	212.90			21.43						
09/29/04	Pike Island	Al (ug/L)	1881.80			18.12						
11/04/04	Pike Island	Al (ug/L)	170.96			22.32						
01/20/05	Pike Island	Al (ug/L)	581.07			14.96						
03/16/05	Pike Island	Al (ug/L)	457.07			16.04						
05/12/05	Pike Island	Al (ug/L)	147.04			34.67						
07/14/05	Pike Island	Al (ug/L)	71.88			16.07						
11/04/03	R.C. Byrd	Al (ug/L)	707.00			<1						
01/13/04	R.C. Byrd	Al (ug/L)	720.00			11.40						
03/11/04	R.C. Byrd	Al (ug/L)	710.00			12.53						
05/05/04	R.C. Byrd	Al (ug/L)	945.00			14.53						
07/13/04	R.C. Byrd	Al (ug/L)	925.31			17.75						
09/16/04	R.C. Byrd	Al (ug/L)	863.46			7.32						
11/11/04	R.C. Byrd	Al (ug/L)	950.52			7.38						
01/04/05	R.C. Byrd	Al (ug/L)	380.09			9.99						
03/15/05	R.C. Byrd	Al (ug/L)	380.76			10.74						
05/04/05	R.C. Byrd	Al (ug/L)	397.17			9.44						
07/12/05	R.C. Byrd	Al (ug/L)	318.82			12.69						
11/24/03	Smithland	Al (ug/L)	9130.00			5.12						
01/27/04	Smithland	Al (ug/L)	2080.00			5.51						
03/08/04	Smithland	Al (ug/L)	2860.00			6.08						
05/24/04	Smithland	Al (ug/L)	1145.00			8.44						
07/06/04	Smithland	Al (ug/L)	676.93			5.05						
09/08/04	Smithland	Al (ug/L)	316.40			3.55						
11/16/04	Smithland	Al (ug/L)	3607.60			5.90						
01/27/05	Smithland	Al (ug/L)	2964.63			3.64						
03/21/05	Smithland	Al (ug/L)	847.29			11.18						
05/24/05	Smithland	Al (ug/L)	659.83			6.12						
07/12/05	Smithland	Al (ug/L)	105.62			11.62						
11/20/03	West Point	Al (ug/L)	6970.00			7.57						
01/29/04	West Point	Al (ug/L)	870.00			9.29						
03/09/04	West Point	Al (ug/L)	3070.00			8.42						
05/25/04	West Point	Al (ug/L)	2370.00			11.00						
07/07/04	West Point	Al (ug/L)	998.82			15.75						
09/09/04	West Point	Al (ug/L)	425.58			7.59						
11/17/04	West Point	Al (ug/L)	1637.53			11.76						
01/27/05	West Point	Al (ug/L)	1712.15			9.65						
03/22/05	West Point	Al (ug/L)	636.87			14.71						
05/23/05	West Point	Al (ug/L)	1626.73			11.55						
07/13/05	West Point	Al (ug/L)	166.41			11.43						
11/04/03	Willow Island	Al (ug/L)	317.00			10.05						
01/13/04	Willow Island	Al (ug/L)	930.00			22.00						
03/11/04	Willow Island	Al (ug/L)	980.00			17.17						
05/05/04	Willow Island	Al (ug/L)	120.00									
07/13/04	Willow Island	Al (ug/L)	100.71			23.56						
09/16/04	Willow Island	Al (ug/L)	589.43			9.55						
11/11/04	Willow Island	Al (ug/L)	203.74			16.94						
01/04/05	Willow Island	Al (ug/L)	809.96			13.13						
01/28/05	Willow Island	Al (ug/L)	354.69			14.46						
02/01/05	Willow Island	Al (ug/L)	738.28			11.71						
02/03/05	Willow Island	Al (ug/L)	404.01			11.79						
03/15/05	Willow Island	Al (ug/L)	430.91			17.87						
05/04/05	Willow Island	Al (ug/L)	156.57			18.61						
07/12/05	Willow Island	Al (ug/L)	72.73			16.43						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	As (ug/L)	5.99	10	ok	0.49	150.00	340.00	ok			
01/15/04	Anderson Ferry	As (ug/L)	1.10	10	ok	0.51	150.00	340.00	ok			
03/10/04	Anderson Ferry	As (ug/L)	1.21	10	ok	0.24	150.00	340.00	ok			
05/26/04	Anderson Ferry	As (ug/L)	1.48	10	ok	0.63	150.00	340.00	ok			
07/14/04	Anderson Ferry	As (ug/L)	0.92	10	ok	0.75	150.00	340.00	ok			
09/29/04	Anderson Ferry	As (ug/L)	1.10	10	ok	0.63	150.00	340.00	ok			
11/23/04	Anderson Ferry	As (ug/L)	1.19	10	ok	0.55	150.00	340.00	ok			
01/25/05	Anderson Ferry	As (ug/L)	1.48	10	ok	0.44	150.00	340.00	ok			
03/24/05	Anderson Ferry	As (ug/L)	0.89	10	ok	0.30	150.00	340.00	ok			
05/23/05	Anderson Ferry	As (ug/L)	0.33	10	ok	0.56	150.00	340.00	ok			
07/13/05	Anderson Ferry	As (ug/L)	0.78	10	ok	0.97	150.00	340.00	ok			
11/04/03	Belleville	As (ug/L)	0.44	10	ok	0.59	150.00	340.00	ok			
01/13/04	Belleville	As (ug/L)	0.85	10	ok	0.38	150.00	340.00	ok			
03/11/04	Belleville	As (ug/L)	0.94	10	ok	0.28	150.00	340.00	ok			
05/05/04	Belleville	As (ug/L)	0.49	10	ok	0.52	150.00	340.00	ok			
07/13/04	Belleville	As (ug/L)	0.88	10	ok	0.88	150.00	340.00	ok			
09/16/04	Belleville	As (ug/L)	1.04	10	ok	0.62	150.00	340.00	ok			
11/11/04	Belleville	As (ug/L)	0.70	10	ok	0.33	150.00	340.00	ok			
01/04/05	Belleville	As (ug/L)	1.46	10	ok	0.56	150.00	340.00	ok			
01/28/05	Belleville	As (ug/L)	1.52	10	ok	0.48	150.00	340.00	ok			
02/01/05	Belleville	As (ug/L)	0.95	10	ok	0.41	150.00	340.00	ok			
02/03/05	Belleville	As (ug/L)	0.97	10	ok	0.44	150.00	340.00	ok			
03/15/05	Belleville	As (ug/L)	0.49	10	ok	0.22	150.00	340.00	ok			
05/04/05	Belleville	As (ug/L)	0.48	10	ok	0.40	150.00	340.00	ok			
07/12/05	Belleville	As (ug/L)	0.68	10	ok	0.82	150.00	340.00	ok			
11/24/03	Cannelton	As (ug/L)	1.34	10	ok	0.54	150.00	340.00	ok			
01/14/04	Cannelton	As (ug/L)	1.47	10	ok	0.52	150.00	340.00	ok			
03/09/04	Cannelton	As (ug/L)	1.41	10	ok	0.39	150.00	340.00	ok			
05/25/04	Cannelton	As (ug/L)	1.49	10	ok	0.66	150.00	340.00	ok			
07/07/04	Cannelton	As (ug/L)	0.90	10	ok	0.78	150.00	340.00	ok			
09/09/04	Cannelton	As (ug/L)	0.66	10	ok	0.93	150.00	340.00	ok			
11/17/04	Cannelton	As (ug/L)	1.16	10	ok	0.64	150.00	340.00	ok			
01/26/05	Cannelton	As (ug/L)	1.98	10	ok	0.50	150.00	340.00	ok			
03/22/05	Cannelton	As (ug/L)	0.75	10	ok	0.31	150.00	340.00	ok			
05/23/05	Cannelton	As (ug/L)	0.47	10	ok	0.66	150.00	340.00	ok			
07/13/05	Cannelton	As (ug/L)	0.73	10	ok	0.94	150.00	340.00	ok			
01/15/04	Greenup	As (ug/L)	0.75	10	ok	0.29	150.00	340.00	ok			
03/11/04	Greenup	As (ug/L)	1.23	10	ok	<0.1	150.00	340.00	ok			
05/26/04	Greenup	As (ug/L)	2.41	10	ok	0.54	150.00	340.00	ok			
07/14/04	Greenup	As (ug/L)	0.90	10	ok	0.71	150.00	340.00	ok			
09/29/04	Greenup	As (ug/L)	0.73	10	ok	0.49	150.00	340.00	ok			
11/23/04	Greenup	As (ug/L)	1.00	10	ok	0.41	150.00	340.00	ok			
01/26/05	Greenup	As (ug/L)	2.29	10	ok	0.29	150.00	340.00	ok			
03/23/05	Greenup	As (ug/L)	0.89	10	ok	0.26	150.00	340.00	ok			
05/24/05	Greenup	As (ug/L)	<0.1	10	ok	0.41	150.00	340.00	ok			
07/14/05	Greenup	As (ug/L)	0.48	10	ok	0.67	150.00	340.00	ok			
11/12/03	Hannibal	As (ug/L)	1.41	10	ok	0.43	150.00	340.00	ok			
01/26/04	Hannibal	As (ug/L)	0.42	10	ok	0.39	150.00	340.00	ok			
03/04/04	Hannibal	As (ug/L)	0.89	10	ok	0.29	150.00	340.00	ok			
05/12/04	Hannibal	As (ug/L)	0.34	10	ok	0.28	150.00	340.00	ok			
07/15/04	Hannibal	As (ug/L)	0.83	10	ok	0.68	150.00	340.00	ok			
09/23/04	Hannibal	As (ug/L)	1.47	10	ok	0.46	150.00	340.00	ok			
11/04/04	Hannibal	As (ug/L)	0.61	10	ok	0.51	150.00	340.00	ok			
01/20/05	Hannibal	As (ug/L)	0.72	10	ok	0.14	150.00	340.00	ok			
03/16/05	Hannibal	As (ug/L)	0.58	10	ok	0.19	150.00	340.00	ok			
05/12/05	Hannibal	As (ug/L)	0.13	10	ok	0.37	150.00	340.00	ok			
07/14/05	Hannibal	As (ug/L)	0.60	10	ok	0.75	150.00	340.00	ok			
11/24/03	J.T. Myers	As (ug/L)	3.08	10	ok	0.61	150.00	340.00	ok			
01/27/04	J.T. Myers	As (ug/L)	1.32	10	ok	0.51	150.00	340.00	ok			
03/08/04	J.T. Myers	As (ug/L)	1.30	10	ok	0.44	150.00	340.00	ok			
05/24/04	J.T. Myers	As (ug/L)	1.65	10	ok	0.65	150.00	340.00	ok			
07/06/04	J.T. Myers	As (ug/L)	1.05	10	ok	0.82	150.00	340.00	ok			
09/08/04	J.T. Myers	As (ug/L)	0.69	10	ok	0.85	150.00	340.00	ok			
11/16/04	J.T. Myers	As (ug/L)	2.10	10	ok	0.73	150.00	340.00	ok			
01/26/05	J.T. Myers	As (ug/L)	1.50	10	ok	0.51	150.00	340.00	ok			
03/21/05	J.T. Myers	As (ug/L)	1.03	10	ok	0.27	150.00	340.00	ok			
05/24/05	J.T. Myers	As (ug/L)	0.63	10	ok	0.39	150.00	340.00	ok			
07/12/05	J.T. Myers	As (ug/L)	0.95	10	ok	0.99	150.00	340.00	ok			
11/24/03	L&D 52	As (ug/L)	3.01	10	ok	0.72	150.00	340.00	ok			
01/27/04	L&D 52	As (ug/L)	2.01	10	ok	0.66	150.00	340.00	ok			
03/08/04	L&D 52	As (ug/L)	1.45	10	ok	0.52	150.00	340.00	ok			
05/24/04	L&D 52	As (ug/L)	1.14	10	ok	0.76	150.00	340.00	ok			
07/06/04	L&D 52	As (ug/L)	1.44	10	ok	0.92	150.00	340.00	ok			
09/08/04	L&D 52	As (ug/L)	1.16	10	ok	1.37	150.00	340.00	ok			
11/16/04	L&D 52	As (ug/L)	1.91	10	ok	0.90	150.00	340.00	ok			
01/27/05	L&D 52	As (ug/L)	1.28	10	ok	0.80	150.00	340.00	ok			
03/21/05	L&D 52	As (ug/L)	1.20	10	ok	0.48	150.00	340.00	ok			
05/24/05	L&D 52	As (ug/L)	0.90	10	ok	0.68	150.00	340.00	ok			
07/12/05	L&D 52	As (ug/L)	1.10	10	ok	1.15	150.00	340.00	ok			
11/20/03	Louisville	As (ug/L)	1.46	10	ok	0.58	150.00	340.00	ok			
01/29/04	Louisville	As (ug/L)	0.57	10	ok	0.45	150.00	340.00	ok			
03/09/04	Louisville	As (ug/L)	1.54	10	ok	0.44	150.00	340.00	ok			
05/25/04	Louisville	As (ug/L)	2.20	10	ok	0.59	150.00	340.00	ok			
07/07/04	Louisville	As (ug/L)	1.09	10	ok	0.78	150.00	340.00	ok			
09/09/04	Louisville	As (ug/L)	0.71	10	ok	0.95	150.00	340.00	ok			
11/17/04	Louisville	As (ug/L)	0.87	10	ok	0.65	150.00	340.00	ok			
01/26/05	Louisville	As (ug/L)	1.42	10	ok	0.47	150.00	340.00	ok			
03/22/05	Louisville	As (ug/L)	0.62	10	ok	0.28	150.00	340.00	ok			
05/23/05	Louisville	As (ug/L)	0.71	10	ok	0.59	150.00	340.00	ok			
07/13/05	Louisville	As (ug/L)	0.99	10	ok	1.14	150.00	340.00	ok			
11/20/03	Markland	As (ug/L)	1.26	10	ok	0.47	150.00	340.00	ok			
01/14/04	Markland	As (ug/L)	1.34	10	ok	0.47	150.00	340.00	ok			
03/10/04	Markland	As (ug/L)	2.89	10	ok	0.33	150.00	340.00	ok			
05/26/04	Markland	As (ug/L)	1.81	10	ok	0.63	150.00	340.00	ok			
07/15/04	Markland	As (ug/L)	0.93	10	ok	0.83	150.00	340.00	ok			
09/09/04	Markland	As (ug/L)	0.71	10	ok	0.98	150.00	340.00	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/17/04	Markland	As (ug/L)	0.94	10	ok	0.61	150.00	340.00	ok			
01/26/05	Markland	As (ug/L)	0.95	10	ok	0.52	150.00	340.00	ok			
03/24/05	Markland	As (ug/L)	1.02	10	ok	0.35	150.00	340.00	ok			
05/23/05	Markland	As (ug/L)	0.64	10	ok	0.61	150.00	340.00	ok			
07/13/05	Markland	As (ug/L)	0.83	10	ok	1.03	150.00	340.00	ok			
01/15/04	Meldahl	As (ug/L)	1.14	10	ok	0.42	150.00	340.00	ok			
03/11/04	Meldahl	As (ug/L)	1.39	10	ok	0.27	150.00	340.00	ok			
05/26/04	Meldahl	As (ug/L)	2.36	10	ok	0.59	150.00	340.00	ok			
07/15/04	Meldahl	As (ug/L)	0.99	10	ok	0.61	150.00	340.00	ok			
09/29/04	Meldahl	As (ug/L)	0.81	10	ok	0.40	150.00	340.00	ok			
11/23/04	Meldahl	As (ug/L)	1.02	10	ok	0.43	150.00	340.00	ok			
01/25/05	Meldahl	As (ug/L)	1.61	10	ok	0.41	150.00	340.00	ok			
03/23/05	Meldahl	As (ug/L)	0.47	10	ok	0.31	150.00	340.00	ok			
05/24/05	Meldahl	As (ug/L)	0.31	10	ok	0.46	150.00	340.00	ok			
07/14/05	Meldahl	As (ug/L)	1.14	10	ok	0.86	150.00	340.00	ok			
11/12/03	New Cumberland	As (ug/L)	0.32	10	ok	0.28	150.00	340.00	ok			
01/26/04	New Cumberland	As (ug/L)	0.68	10	ok	0.28	150.00	340.00	ok			
03/04/04	New Cumberland	As (ug/L)	1.01	10	ok	0.17	150.00	340.00	ok			
05/12/04	New Cumberland	As (ug/L)	0.48	10	ok	0.36	150.00	340.00	ok			
07/15/04	New Cumberland	As (ug/L)	0.76	10	ok	0.60	150.00	340.00	ok			
09/26/04	New Cumberland	As (ug/L)	0.83	10	ok	0.46	150.00	340.00	ok			
11/04/04	New Cumberland	As (ug/L)	0.64	10	ok	0.46	150.00	340.00	ok			
01/20/05	New Cumberland	As (ug/L)	0.91	10	ok	0.30	150.00	340.00	ok			
03/16/05	New Cumberland	As (ug/L)	0.55	10	ok	0.21	150.00	340.00	ok			
05/12/05	New Cumberland	As (ug/L)	0.13	10	ok	0.40	150.00	340.00	ok			
07/14/05	New Cumberland	As (ug/L)	0.57	10	ok	0.73	150.00	340.00	ok			
11/24/03	Newburgh	As (ug/L)	3.99	10	ok	0.47	150.00	340.00	ok			
01/28/04	Newburgh	As (ug/L)	0.93	10	ok	0.51	150.00	340.00	ok			
03/09/04	Newburgh	As (ug/L)	1.75	10	ok	0.46	150.00	340.00	ok			
05/25/04	Newburgh	As (ug/L)	1.34	10	ok	0.65	150.00	340.00	ok			
07/07/04	Newburgh	As (ug/L)	1.10	10	ok	0.96	150.00	340.00	ok			
09/09/04	Newburgh	As (ug/L)	0.60	10	ok	0.98	150.00	340.00	ok			
11/17/04	Newburgh	As (ug/L)	1.39	10	ok	0.64	150.00	340.00	ok			
01/26/05	Newburgh	As (ug/L)	2.04	10	ok	0.63	150.00	340.00	ok			
03/22/05	Newburgh	As (ug/L)	0.68	10	ok	0.32	150.00	340.00	ok			
05/23/05	Newburgh	As (ug/L)	2.25	10	ok	0.62	150.00	340.00	ok			
07/13/05	Newburgh	As (ug/L)	0.81	10	ok	1.03	150.00	340.00	ok			
11/12/03	Pike Island	As (ug/L)	0.52	10	ok	0.33	150.00	340.00	ok			
01/26/04	Pike Island	As (ug/L)	0.44	10	ok	0.31	150.00	340.00	ok			
03/04/04	Pike Island	As (ug/L)	1.04	10	ok	0.23	150.00	340.00	ok			
05/12/04	Pike Island	As (ug/L)	0.35	10	ok	0.34	150.00	340.00	ok			
07/15/04	Pike Island	As (ug/L)	0.77	10	ok	0.56	150.00	340.00	ok			
09/29/04	Pike Island	As (ug/L)	1.42	10	ok	0.38	150.00	340.00	ok			
11/04/04	Pike Island	As (ug/L)	0.72	10	ok	0.43	150.00	340.00	ok			
01/20/05	Pike Island	As (ug/L)	0.55	10	ok	0.27	150.00	340.00	ok			
03/16/05	Pike Island	As (ug/L)	0.60	10	ok	0.23	150.00	340.00	ok			
05/12/05	Pike Island	As (ug/L)	0.17	10	ok	0.38	150.00	340.00	ok			
07/14/05	Pike Island	As (ug/L)	0.66	10	ok	0.80	150.00	340.00	ok			
11/04/03	R.C. Byrd	As (ug/L)	0.71	10	ok	<0.1	150.00	340.00	ok			
01/13/04	R.C. Byrd	As (ug/L)	0.67	10	ok	0.29	150.00	340.00	ok			
03/11/04	R.C. Byrd	As (ug/L)	0.61	10	ok	0.24	150.00	340.00	ok			
05/05/04	R.C. Byrd	As (ug/L)	0.86	10	ok	0.43	150.00	340.00	ok			
07/13/04	R.C. Byrd	As (ug/L)	1.42	10	ok	0.90	150.00	340.00	ok			
09/16/04	R.C. Byrd	As (ug/L)	0.82	10	ok	0.58	150.00	340.00	ok			
11/11/04	R.C. Byrd	As (ug/L)	0.89	10	ok	0.52	150.00	340.00	ok			
01/04/05	R.C. Byrd	As (ug/L)	0.56	10	ok	0.33	150.00	340.00	ok			
03/15/05	R.C. Byrd	As (ug/L)	0.57	10	ok	<0.1	150.00	340.00	ok			
05/04/05	R.C. Byrd	As (ug/L)	0.23	10	ok	0.25	150.00	340.00	ok			
07/12/05	R.C. Byrd	As (ug/L)	0.73	10	ok	0.84	150.00	340.00	ok			
11/24/03	Smithland	As (ug/L)	3.00	10	ok	0.64	150.00	340.00	ok			
01/27/04	Smithland	As (ug/L)	1.39	10	ok	0.60	150.00	340.00	ok			
03/08/04	Smithland	As (ug/L)	1.70	10	ok	0.64	150.00	340.00	ok			
05/24/04	Smithland	As (ug/L)	1.28	10	ok	0.74	150.00	340.00	ok			
07/06/04	Smithland	As (ug/L)	1.45	10	ok	1.07	150.00	340.00	ok			
09/08/04	Smithland	As (ug/L)	1.08	10	ok	1.56	150.00	340.00	ok			
11/16/04	Smithland	As (ug/L)	2.14	10	ok	0.90	150.00	340.00	ok			
01/27/05	Smithland	As (ug/L)	1.95	10	ok	0.75	150.00	340.00	ok			
03/21/05	Smithland	As (ug/L)	0.83	10	ok	0.48	150.00	340.00	ok			
05/24/05	Smithland	As (ug/L)	0.46	10	ok	0.71	150.00	340.00	ok			
07/12/05	Smithland	As (ug/L)	0.87	10	ok	1.06	150.00	340.00	ok			
11/20/03	West Point	As (ug/L)	2.49	10	ok	0.58	150.00	340.00	ok			
01/29/04	West Point	As (ug/L)	0.82	10	ok	0.54	150.00	340.00	ok			
03/09/04	West Point	As (ug/L)	1.63	10	ok	0.43	150.00	340.00	ok			
05/25/04	West Point	As (ug/L)	1.89	10	ok	0.61	150.00	340.00	ok			
07/07/04	West Point	As (ug/L)	1.42	10	ok	0.91	150.00	340.00	ok			
09/09/04	West Point	As (ug/L)	0.93	10	ok	1.07	150.00	340.00	ok			
11/17/04	West Point	As (ug/L)	1.37	10	ok	0.72	150.00	340.00	ok			
01/27/05	West Point	As (ug/L)	1.54	10	ok	0.53	150.00	340.00	ok			
03/22/05	West Point	As (ug/L)	0.79	10	ok	0.42	150.00	340.00	ok			
05/23/05	West Point	As (ug/L)	1.05	10	ok	0.59	150.00	340.00	ok			
07/13/05	West Point	As (ug/L)	1.09	10	ok	1.35	150.00	340.00	ok			
11/04/03	Willow Island	As (ug/L)	0.44	10	ok	0.39	150.00	340.00	ok			
01/13/04	Willow Island	As (ug/L)	0.72	10	ok	0.29	150.00	340.00	ok			
03/11/04	Willow Island	As (ug/L)	0.89	10	ok	0.23	150.00	340.00	ok			
05/05/04	Willow Island	As (ug/L)	0.29	10	ok	0.42	150.00	340.00	ok			
07/13/04	Willow Island	As (ug/L)	0.69	10	ok	0.58	150.00	340.00	ok			
09/16/04	Willow Island	As (ug/L)	0.79	10	ok	0.56	150.00	340.00	ok			
11/11/04	Willow Island	As (ug/L)	0.66	10	ok	0.57	150.00	340.00	ok			
01/04/05	Willow Island	As (ug/L)	0.94	10	ok	0.28	150.00	340.00	ok			
01/28/05	Willow Island	As (ug/L)	0.47	10	ok	0.24	150.00	340.00	ok			
02/01/05	Willow Island	As (ug/L)	0.67	10	ok	0.27	150.00	340.00	ok			
02/03/05	Willow Island	As (ug/L)	0.46	10	ok	0.32	150.00	340.00	ok			
03/15/05	Willow Island	As (ug/L)	0.61	10	ok	0.25	150.00	340.00	ok			
05/04/05	Willow Island	As (ug/L)	0.15	10	ok	0.37	150.00	340.00	ok			
07/12/05	Willow Island	As (ug/L)	0.53	10	ok	0.73	150.00	340.00	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Ba (ug/L)	115.00	1000	ok	29.00						
01/15/04	Anderson Ferry	Ba (ug/L)	54.00	1000	ok	25.00						
03/10/04	Anderson Ferry	Ba (ug/L)	58.00	1000	ok	25.00						
05/26/04	Anderson Ferry	Ba (ug/L)	61.00	1000	ok	41.00						
07/14/04	Anderson Ferry	Ba (ug/L)	46.94	1000	ok	40.14						
09/29/04	Anderson Ferry	Ba (ug/L)	44.97	1000	ok	30.53						
11/23/04	Anderson Ferry	Ba (ug/L)	45.96	1000	ok	32.27						
01/25/05	Anderson Ferry	Ba (ug/L)	46.62	1000	ok	25.01						
03/24/05	Anderson Ferry	Ba (ug/L)	38.31	1000	ok	30.65						
05/23/05	Anderson Ferry	Ba (ug/L)	43.31	1000	ok	38.32						
07/13/05	Anderson Ferry	Ba (ug/L)	52.13	1000	ok	47.99						
11/04/03	Belleville	Ba (ug/L)	36.00	1000	ok	34.00						
01/13/04	Belleville	Ba (ug/L)	45.00	1000	ok	29.00						
03/11/04	Belleville	Ba (ug/L)	41.00	1000	ok	28.00						
05/05/04	Belleville	Ba (ug/L)	41.00	1000	ok	41.00						
07/13/04	Belleville	Ba (ug/L)	47.11	1000	ok	43.67						
09/16/04	Belleville	Ba (ug/L)	40.13	1000	ok	30.83						
11/11/04	Belleville	Ba (ug/L)	42.52	1000	ok	41.90						
01/04/05	Belleville	Ba (ug/L)	49.74	1000	ok	29.21						
01/28/05	Belleville	Ba (ug/L)	42.93	1000	ok	25.63						
02/01/05	Belleville	Ba (ug/L)	39.54	1000	ok	24.19						
02/03/05	Belleville	Ba (ug/L)	37.65	1000	ok	28.75						
03/15/05	Belleville	Ba (ug/L)	37.69	1000	ok	34.12						
05/04/05	Belleville	Ba (ug/L)	36.72	1000	ok	33.18						
07/12/05	Belleville	Ba (ug/L)	47.68	1000	ok	44.00						
11/24/03	Cannelton	Ba (ug/L)	49.00	1000	ok	26.00						
01/14/04	Cannelton	Ba (ug/L)	66.00	1000	ok	25.00						
03/09/04	Cannelton	Ba (ug/L)	58.00	1000	ok	34.00						
05/25/04	Cannelton	Ba (ug/L)	58.00	1000	ok	41.00						
07/07/04	Cannelton	Ba (ug/L)	45.68	1000	ok	41.67						
09/09/04	Cannelton	Ba (ug/L)	39.20	1000	ok	39.36						
11/17/04	Cannelton	Ba (ug/L)	43.27	1000	ok	33.44						
01/26/05	Cannelton	Ba (ug/L)	60.31	1000	ok	29.75						
03/22/05	Cannelton	Ba (ug/L)	36.58	1000	ok	29.67						
05/23/05	Cannelton	Ba (ug/L)	35.46	1000	ok	29.16						
07/13/05	Cannelton	Ba (ug/L)	45.54	1000	ok	41.92						
01/15/04	Greenup	Ba (ug/L)	43.00	1000	ok	25.00						
03/11/04	Greenup	Ba (ug/L)	53.00	1000	ok	28.00						
05/26/04	Greenup	Ba (ug/L)	72.00	1000	ok	38.00						
07/14/04	Greenup	Ba (ug/L)	48.63	1000	ok	40.92						
09/29/04	Greenup	Ba (ug/L)	41.29	1000	ok	33.70						
11/23/04	Greenup	Ba (ug/L)	46.39	1000	ok	30.77						
01/26/05	Greenup	Ba (ug/L)	67.64	1000	ok	27.33						
03/23/05	Greenup	Ba (ug/L)	43.74	1000	ok	33.69						
05/24/05	Greenup	Ba (ug/L)	35.90	1000	ok	36.60						
07/14/05	Greenup	Ba (ug/L)	44.97	1000	ok	38.04						
11/12/03	Hannibal	Ba (ug/L)	59.00	1000	ok	27.00						
01/26/04	Hannibal	Ba (ug/L)	43.00	1000	ok	42.00						
03/04/04	Hannibal	Ba (ug/L)	41.00	1000	ok	36.00						
05/12/04	Hannibal	Ba (ug/L)	39.00	1000	ok	31.00						
07/15/04	Hannibal	Ba (ug/L)	49.88	1000	ok	39.31						
09/23/04	Hannibal	Ba (ug/L)	51.64	1000	ok	32.60						
11/04/04	Hannibal	Ba (ug/L)	46.84	1000	ok	45.45						
01/20/05	Hannibal	Ba (ug/L)	44.23	1000	ok	29.60						
03/16/05	Hannibal	Ba (ug/L)	38.78	1000	ok	31.38						
05/12/05	Hannibal	Ba (ug/L)	34.11	1000	ok	32.78						
07/14/05	Hannibal	Ba (ug/L)	48.43	1000	ok	43.32						
11/24/03	J.T. Myers	Ba (ug/L)	78.00	1000	ok	21.00						
01/27/04	J.T. Myers	Ba (ug/L)	47.00	1000	ok	30.00						
03/08/04	J.T. Myers	Ba (ug/L)	51.00	1000	ok	36.00						
05/24/04	J.T. Myers	Ba (ug/L)	60.00	1000	ok	38.00						
07/06/04	J.T. Myers	Ba (ug/L)	46.86	1000	ok	41.67						
09/08/04	J.T. Myers	Ba (ug/L)	43.03	1000	ok	42.34						
11/16/04	J.T. Myers	Ba (ug/L)	56.21	1000	ok	34.39						
01/26/05	J.T. Myers	Ba (ug/L)	50.65	1000	ok	25.10						
03/21/05	J.T. Myers	Ba (ug/L)	39.63	1000	ok	29.34						
05/24/05	J.T. Myers	Ba (ug/L)	39.17	1000	ok	33.39						
07/12/05	J.T. Myers	Ba (ug/L)	42.85	1000	ok	37.42						
11/24/03	L&D 52	Ba (ug/L)	79.00	1000	ok	30.00						
01/27/04	L&D 52	Ba (ug/L)	65.00	1000	ok	34.00						
03/08/04	L&D 52	Ba (ug/L)	56.00	1000	ok	37.00						
05/24/04	L&D 52	Ba (ug/L)	53.00	1000	ok	43.00						
07/06/04	L&D 52	Ba (ug/L)	45.43	1000	ok	36.77						
09/08/04	L&D 52	Ba (ug/L)	43.36	1000	ok	42.19						
11/16/04	L&D 52	Ba (ug/L)	58.90	1000	ok	39.00						
01/27/05	L&D 52	Ba (ug/L)	48.01	1000	ok	24.33						
03/21/05	L&D 52	Ba (ug/L)	45.38	1000	ok	33.40						
05/24/05	L&D 52	Ba (ug/L)	41.81	1000	ok	35.61						
07/12/05	L&D 52	Ba (ug/L)	41.49	1000	ok	39.50						
11/20/03	Louisville	Ba (ug/L)	51.00	1000	ok	27.00						
01/29/04	Louisville	Ba (ug/L)	37.00	1000	ok	28.00						
03/09/04	Louisville	Ba (ug/L)	53.00	1000	ok	30.00						
05/25/04	Louisville	Ba (ug/L)	74.00	1000	ok	47.00						
07/07/04	Louisville	Ba (ug/L)	48.81	1000	ok	42.64						
09/09/04	Louisville	Ba (ug/L)	41.62	1000	ok	41.17						
11/17/04	Louisville	Ba (ug/L)	36.23	1000	ok	32.61						
01/26/05	Louisville	Ba (ug/L)	50.10	1000	ok	23.81						
03/22/05	Louisville	Ba (ug/L)	33.13	1000	ok	30.36						
05/23/05	Louisville	Ba (ug/L)	38.31	1000	ok	31.62						
07/13/05	Louisville	Ba (ug/L)	45.33	1000	ok	40.72						
11/20/03	Markland	Ba (ug/L)	51.00	1000	ok	31.00						
01/14/04	Markland	Ba (ug/L)	60.00	1000	ok	24.00						
03/10/04	Markland	Ba (ug/L)	102.00	1000	ok	27.00						
05/26/04	Markland	Ba (ug/L)	66.00	1000	ok	43.00						
07/15/04	Markland	Ba (ug/L)	46.28	1000	ok	39.07						
09/09/04	Markland	Ba (ug/L)	47.78	1000	ok	46.37						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Ba (ug/L)	41.39	1000	ok	38.39						
01/26/05	Markland	Ba (ug/L)	44.85	1000	ok	26.27						
03/24/05	Markland	Ba (ug/L)	41.71	1000	ok	32.39						
05/23/05	Markland	Ba (ug/L)	38.86	1000	ok	38.07						
07/13/05	Markland	Ba (ug/L)	49.59	1000	ok	45.88						
01/15/04	Meldahl	Ba (ug/L)	52.00	1000	ok	24.00						
03/11/04	Meldahl	Ba (ug/L)	60.00	1000	ok	28.00						
05/26/04	Meldahl	Ba (ug/L)	74.00	1000	ok	40.00						
07/15/04	Meldahl	Ba (ug/L)	47.70	1000	ok	37.89						
09/29/04	Meldahl	Ba (ug/L)	40.92	1000	ok	30.50						
11/23/04	Meldahl	Ba (ug/L)	43.33	1000	ok	33.27						
01/25/05	Meldahl	Ba (ug/L)	48.03	1000	ok	23.40						
03/23/05	Meldahl	Ba (ug/L)	34.95	1000	ok	32.17						
05/24/05	Meldahl	Ba (ug/L)	37.66	1000	ok	37.81						
07/14/05	Meldahl	Ba (ug/L)	58.79	1000	ok	46.05						
11/12/03	New Cumberland	Ba (ug/L)	37.00	1000	ok	27.00						
01/26/04	New Cumberland	Ba (ug/L)	47.00	1000	ok	34.00						
03/04/04	New Cumberland	Ba (ug/L)	40.00	1000	ok	35.00						
05/12/04	New Cumberland	Ba (ug/L)	41.00	1000	ok	36.00						
07/15/04	New Cumberland	Ba (ug/L)	51.48	1000	ok	44.16						
09/26/04	New Cumberland	Ba (ug/L)	40.61	1000	ok	31.60						
11/04/04	New Cumberland	Ba (ug/L)	43.72	1000	ok	41.85						
01/20/05	New Cumberland	Ba (ug/L)	40.30	1000	ok	31.49						
03/16/05	New Cumberland	Ba (ug/L)	38.79	1000	ok	34.69						
05/12/05	New Cumberland	Ba (ug/L)	32.22	1000	ok	31.30						
07/14/05	New Cumberland	Ba (ug/L)	48.19	1000	ok	37.82						
11/24/03	Newburgh	Ba (ug/L)	94.00	1000	ok	25.00						
01/28/04	Newburgh	Ba (ug/L)	44.00	1000	ok	28.00						
03/09/04	Newburgh	Ba (ug/L)	61.00	1000	ok	31.00						
05/25/04	Newburgh	Ba (ug/L)	59.00	1000	ok	43.00						
07/07/04	Newburgh	Ba (ug/L)	47.10	1000	ok	38.87						
09/09/04	Newburgh	Ba (ug/L)	42.18	1000	ok	42.37						
11/17/04	Newburgh	Ba (ug/L)	46.92	1000	ok	31.80						
01/26/05	Newburgh	Ba (ug/L)	59.31	1000	ok	29.69						
03/22/05	Newburgh	Ba (ug/L)	40.62	1000	ok	31.03						
05/23/05	Newburgh	Ba (ug/L)	71.39	1000	ok	35.66						
07/13/05	Newburgh	Ba (ug/L)	43.85	1000	ok	40.74						
11/12/03	Pike Island	Ba (ug/L)	40.00	1000	ok	25.00						
01/26/04	Pike Island	Ba (ug/L)	44.00	1000	ok	37.00						
03/04/04	Pike Island	Ba (ug/L)	45.00	1000	ok	37.00						
05/12/04	Pike Island	Ba (ug/L)	41.00	1000	ok	39.00						
07/15/04	Pike Island	Ba (ug/L)	50.86	1000	ok	42.04						
09/29/04	Pike Island	Ba (ug/L)	49.62	1000	ok	27.40						
11/04/04	Pike Island	Ba (ug/L)	45.52	1000	ok	44.51						
01/20/05	Pike Island	Ba (ug/L)	42.39	1000	ok	29.72						
03/16/05	Pike Island	Ba (ug/L)	39.09	1000	ok	32.89						
05/12/05	Pike Island	Ba (ug/L)	32.80	1000	ok	30.65						
07/14/05	Pike Island	Ba (ug/L)	49.88	1000	ok	45.15						
11/04/03	R.C. Byrd	Ba (ug/L)	42.00	1000	ok	<10						
01/13/04	R.C. Byrd	Ba (ug/L)	41.00	1000	ok	30.00						
03/11/04	R.C. Byrd	Ba (ug/L)	34.00	1000	ok	22.00						
05/05/04	R.C. Byrd	Ba (ug/L)	50.00	1000	ok	38.00						
07/13/04	R.C. Byrd	Ba (ug/L)	55.45	1000	ok	46.24						
09/16/04	R.C. Byrd	Ba (ug/L)	40.38	1000	ok	33.71						
11/11/04	R.C. Byrd	Ba (ug/L)	49.22	1000	ok	42.96						
01/04/05	R.C. Byrd	Ba (ug/L)	40.29	1000	ok	28.20						
03/15/05	R.C. Byrd	Ba (ug/L)	35.18	1000	ok	26.55						
05/04/05	R.C. Byrd	Ba (ug/L)	30.34	1000	ok	26.21						
07/12/05	R.C. Byrd	Ba (ug/L)	47.15	1000	ok	43.50						
11/24/03	Smithland	Ba (ug/L)	80.00	1000	ok	23.00						
01/27/04	Smithland	Ba (ug/L)	53.00	1000	ok	35.00						
03/08/04	Smithland	Ba (ug/L)	58.00	1000	ok	37.00						
05/24/04	Smithland	Ba (ug/L)	52.00	1000	ok	42.00						
07/06/04	Smithland	Ba (ug/L)	48.40	1000	ok	43.43						
09/08/04	Smithland	Ba (ug/L)	43.83	1000	ok	41.86						
11/16/04	Smithland	Ba (ug/L)	61.47	1000	ok	38.28						
01/27/05	Smithland	Ba (ug/L)	53.01	1000	ok	25.78						
03/21/05	Smithland	Ba (ug/L)	39.87	1000	ok	32.09						
05/24/05	Smithland	Ba (ug/L)	37.61	1000	ok	35.17						
07/12/05	Smithland	Ba (ug/L)	38.74	1000	ok	38.07						
11/20/03	West Point	Ba (ug/L)	69.00	1000	ok	23.00						
01/29/04	West Point	Ba (ug/L)	44.00	1000	ok	30.00						
03/09/04	West Point	Ba (ug/L)	54.00	1000	ok	28.00						
05/25/04	West Point	Ba (ug/L)	69.00	1000	ok	47.00						
07/07/04	West Point	Ba (ug/L)	<10	1000	ok	42.94						
09/09/04	West Point	Ba (ug/L)	42.54	1000	ok	41.54						
11/17/04	West Point	Ba (ug/L)	42.25	1000	ok	33.26						
01/27/05	West Point	Ba (ug/L)	51.16	1000	ok	27.40						
03/22/05	West Point	Ba (ug/L)	36.31	1000	ok	32.62						
05/23/05	West Point	Ba (ug/L)	43.53	1000	ok	32.29						
07/13/05	West Point	Ba (ug/L)	47.61	1000	ok	43.10						
11/04/03	Willow Island	Ba (ug/L)	36.00	1000	ok	30.00						
01/13/04	Willow Island	Ba (ug/L)	43.00	1000	ok	31.00						
03/11/04	Willow Island	Ba (ug/L)	40.00	1000	ok	28.00						
05/05/04	Willow Island	Ba (ug/L)	41.00	1000	ok	40.00						
07/13/04	Willow Island	Ba (ug/L)	45.61	1000	ok	41.26						
09/16/04	Willow Island	Ba (ug/L)	37.23	1000	ok	27.63						
11/11/04	Willow Island	Ba (ug/L)	42.69	1000	ok	40.38						
01/04/05	Willow Island	Ba (ug/L)	46.79	1000	ok	29.12						
01/28/05	Willow Island	Ba (ug/L)	38.07	1000	ok	31.37						
02/01/05	Willow Island	Ba (ug/L)	39.89	1000	ok	28.33						
02/03/05	Willow Island	Ba (ug/L)	37.52	1000	ok	31.36						
03/15/05	Willow Island	Ba (ug/L)	37.90	1000	ok	31.58						
05/04/05	Willow Island	Ba (ug/L)	34.97	1000	ok	32.55						
07/12/05	Willow Island	Ba (ug/L)	46.77	1000	ok	42.94						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Ca (mg/L)	37.00			26.00						
01/15/04	Anderson Ferry	Ca (mg/L)	35.00			25.00						
03/10/04	Anderson Ferry	Ca (mg/L)	24.00			22.00						
05/26/04	Anderson Ferry	Ca (mg/L)	33.00			32.00						
07/14/04	Anderson Ferry	Ca (mg/L)	35.38			33.85						
09/29/04	Anderson Ferry	Ca (mg/L)	28.68			24.93						
11/23/04	Anderson Ferry	Ca (mg/L)	30.55			30.70						
01/25/05	Anderson Ferry	Ca (mg/L)	26.72			26.74						
03/24/05	Anderson Ferry	Ca (mg/L)	31.96			33.23						
05/23/05	Anderson Ferry	Ca (mg/L)	38.81			40.09						
07/13/05	Anderson Ferry	Ca (mg/L)	38.43			35.81						
11/04/03	Belleville	Ca (mg/L)	39.00			32.00						
01/13/04	Belleville	Ca (mg/L)	34.00			29.00						
03/11/04	Belleville	Ca (mg/L)	26.00			26.00						
05/05/04	Belleville	Ca (mg/L)	39.00			39.00						
07/13/04	Belleville	Ca (mg/L)	41.28			39.58						
09/16/04	Belleville	Ca (mg/L)	27.65			25.36						
11/11/04	Belleville	Ca (mg/L)	42.60			44.50						
01/04/05	Belleville	Ca (mg/L)	29.98			31.50						
01/28/05	Belleville	Ca (mg/L)	31.44			33.12						
02/01/05	Belleville	Ca (mg/L)	32.30			29.56						
02/03/05	Belleville	Ca (mg/L)	34.06			34.08						
03/15/05	Belleville	Ca (mg/L)	35.32			34.85						
05/04/05	Belleville	Ca (mg/L)	37.13			38.49						
07/12/05	Belleville	Ca (mg/L)	52.78			37.53						
11/24/03	Cannelton	Ca (mg/L)	36.00			26.00						
01/14/04	Cannelton	Ca (mg/L)	38.00			27.00						
03/09/04	Cannelton	Ca (mg/L)	41.00			40.00						
05/25/04	Cannelton	Ca (mg/L)	41.00			38.00						
07/07/04	Cannelton	Ca (mg/L)	39.90			37.62						
09/09/04	Cannelton	Ca (mg/L)	38.23			37.41						
11/17/04	Cannelton	Ca (mg/L)	43.80			44.00						
01/26/05	Cannelton	Ca (mg/L)	30.61			31.42						
03/22/05	Cannelton	Ca (mg/L)	33.82			34.14						
05/23/05	Cannelton	Ca (mg/L)	35.22			73.75						
07/13/05	Cannelton	Ca (mg/L)	60.57			34.16						
01/15/04	Greenup	Ca (mg/L)	30.00			21.00						
03/11/04	Greenup	Ca (mg/L)	23.00			21.00						
05/26/04	Greenup	Ca (mg/L)	29.00			28.50						
07/14/04	Greenup	Ca (mg/L)	37.10			35.01						
09/29/04	Greenup	Ca (mg/L)	29.32			26.86						
11/23/04	Greenup	Ca (mg/L)	29.70			27.00						
01/26/05	Greenup	Ca (mg/L)	25.68			26.47						
03/23/05	Greenup	Ca (mg/L)	29.27			29.03						
05/24/05	Greenup	Ca (mg/L)	32.24			31.30						
07/14/05	Greenup	Ca (mg/L)	35.82			28.18						
11/12/03	Hannibal	Ca (mg/L)	34.00			21.00						
01/26/04	Hannibal	Ca (mg/L)	42.00			42.00						
03/04/04	Hannibal	Ca (mg/L)	32.00			31.00						
05/12/04	Hannibal	Ca (mg/L)	32.00			25.00						
07/15/04	Hannibal	Ca (mg/L)	41.30			36.28						
09/23/04	Hannibal	Ca (mg/L)	26.13			24.13						
11/04/04	Hannibal	Ca (mg/L)	47.20			41.70						
01/20/05	Hannibal	Ca (mg/L)	22.50			23.61						
03/16/05	Hannibal	Ca (mg/L)	31.03			30.02						
05/12/05	Hannibal	Ca (mg/L)	32.36			32.46						
07/14/05	Hannibal	Ca (mg/L)	37.42			38.03						
11/24/03	J.T. Myers	Ca (mg/L)	39.00			24.00						
01/27/04	J.T. Myers	Ca (mg/L)	45.00			38.00						
03/08/04	J.T. Myers	Ca (mg/L)	41.00			42.00						
05/24/04	J.T. Myers	Ca (mg/L)	42.00			37.00						
07/06/04	J.T. Myers	Ca (mg/L)	39.31			36.91						
09/08/04	J.T. Myers	Ca (mg/L)	41.20			38.69						
11/16/04	J.T. Myers	Ca (mg/L)	37.80			41.40						
01/26/05	J.T. Myers	Ca (mg/L)	29.60			29.99						
03/21/05	J.T. Myers	Ca (mg/L)	33.69			33.48						
05/24/05	J.T. Myers	Ca (mg/L)	35.81			37.35						
07/12/05	J.T. Myers	Ca (mg/L)	38.47			32.21						
11/24/03	L&D 52	Ca (mg/L)	44.00			34.00						
01/27/04	L&D 52	Ca (mg/L)	51.00			43.00						
03/08/04	L&D 52	Ca (mg/L)	42.00			45.00						
05/24/04	L&D 52	Ca (mg/L)	44.00			42.00						
07/06/04	L&D 52	Ca (mg/L)	39.76			37.83						
09/08/04	L&D 52	Ca (mg/L)	42.22			40.24						
11/16/04	L&D 52	Ca (mg/L)	46.80			42.30						
01/27/05	L&D 52	Ca (mg/L)	28.40			27.82						
03/21/05	L&D 52	Ca (mg/L)	42.75			42.37						
05/24/05	L&D 52	Ca (mg/L)	37.48			40.35						
07/12/05	L&D 52	Ca (mg/L)	42.71			34.45						
11/20/03	Louisville	Ca (mg/L)	39.00			32.00						
01/29/04	Louisville	Ca (mg/L)	42.00			35.00						
03/09/04	Louisville	Ca (mg/L)	38.00			38.00						
05/25/04	Louisville	Ca (mg/L)	42.00			40.40						
07/07/04	Louisville	Ca (mg/L)	35.28			35.81						
09/09/04	Louisville	Ca (mg/L)	37.82			36.31						
11/17/04	Louisville	Ca (mg/L)	44.30			45.10						
01/26/05	Louisville	Ca (mg/L)	29.96			30.52						
03/22/05	Louisville	Ca (mg/L)	34.73			35.66						
05/23/05	Louisville	Ca (mg/L)	42.69			36.64						
07/13/05	Louisville	Ca (mg/L)	40.75			36.67						
11/20/03	Markland	Ca (mg/L)	32.00			27.00						
01/14/04	Markland	Ca (mg/L)	38.00			26.00						
03/10/04	Markland	Ca (mg/L)	28.00			26.00						
05/26/04	Markland	Ca (mg/L)	36.00			35.00						
07/15/04	Markland	Ca (mg/L)	36.57			34.46						
09/09/04	Markland	Ca (mg/L)	43.89			43.57						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Ca (mg/L)	42.00			43.10						
01/26/05	Markland	Ca (mg/L)	29.08			28.08						
03/24/05	Markland	Ca (mg/L)	36.22			34.97						
05/23/05	Markland	Ca (mg/L)	39.64			39.05						
07/13/05	Markland	Ca (mg/L)	37.60			36.50						
01/15/04	Meldahl	Ca (mg/L)	33.00			23.00						
03/11/04	Meldahl	Ca (mg/L)	25.00			24.00						
05/26/04	Meldahl	Ca (mg/L)	34.30			33.00						
07/15/04	Meldahl	Ca (mg/L)	37.21			31.36						
09/29/04	Meldahl	Ca (mg/L)	28.40			24.10						
11/23/04	Meldahl	Ca (mg/L)	32.74			31.80						
01/25/05	Meldahl	Ca (mg/L)	26.35			26.36						
03/23/05	Meldahl	Ca (mg/L)	30.56			31.32						
05/24/05	Meldahl	Ca (mg/L)	35.85			31.51						
07/14/05	Meldahl	Ca (mg/L)	33.92			32.34						
11/12/03	New Cumberland	Ca (mg/L)	30.00			21.00						
01/26/04	New Cumberland	Ca (mg/L)	40.00			36.00						
03/04/04	New Cumberland	Ca (mg/L)	28.00			30.00						
05/12/04	New Cumberland	Ca (mg/L)	32.00			27.00						
07/15/04	New Cumberland	Ca (mg/L)	39.10			33.78						
09/26/04	New Cumberland	Ca (mg/L)	24.01			21.91						
11/04/04	New Cumberland	Ca (mg/L)	49.90			31.60						
01/20/05	New Cumberland	Ca (mg/L)	21.59			22.63						
03/16/05	New Cumberland	Ca (mg/L)	29.17			44.00						
05/12/05	New Cumberland	Ca (mg/L)	11.35			27.15						
07/14/05	New Cumberland	Ca (mg/L)	36.63			16.29						
11/24/03	Newburgh	Ca (mg/L)	39.00			27.00						
01/28/04	Newburgh	Ca (mg/L)	42.00			38.00						
03/09/04	Newburgh	Ca (mg/L)	42.00			39.00						
05/25/04	Newburgh	Ca (mg/L)	43.00			40.00						
07/07/04	Newburgh	Ca (mg/L)	39.47			36.33						
09/09/04	Newburgh	Ca (mg/L)	39.58			38.99						
11/17/04	Newburgh	Ca (mg/L)	41.50			44.40						
01/26/05	Newburgh	Ca (mg/L)	31.00			31.79						
03/22/05	Newburgh	Ca (mg/L)	34.35			34.22						
05/23/05	Newburgh	Ca (mg/L)	33.97			37.55						
07/13/05	Newburgh	Ca (mg/L)	36.39			33.19						
11/12/03	Pike Island	Ca (mg/L)	33.00			21.00						
01/26/04	Pike Island	Ca (mg/L)	43.00			30.00						
03/04/04	Pike Island	Ca (mg/L)	31.00			31.00						
05/12/04	Pike Island	Ca (mg/L)	32.00			30.00						
07/15/04	Pike Island	Ca (mg/L)	39.21			34.86						
09/29/04	Pike Island	Ca (mg/L)	24.48			19.48						
11/04/04	Pike Island	Ca (mg/L)	50.60			34.40						
01/20/05	Pike Island	Ca (mg/L)	21.77			22.91						
03/16/05	Pike Island	Ca (mg/L)	33.53			28.90						
05/12/05	Pike Island	Ca (mg/L)	28.64			29.37						
07/14/05	Pike Island	Ca (mg/L)	46.96			32.83						
11/04/03	R.C. Byrd	Ca (mg/L)	31.00			<1						
01/13/04	R.C. Byrd	Ca (mg/L)	26.00			23.00						
03/11/04	R.C. Byrd	Ca (mg/L)	19.00			17.00						
05/05/04	R.C. Byrd	Ca (mg/L)	23.00			23.00						
07/13/04	R.C. Byrd	Ca (mg/L)	34.85			34.29						
09/16/04	R.C. Byrd	Ca (mg/L)	27.39			26.50						
11/11/04	R.C. Byrd	Ca (mg/L)	35.00			34.40						
01/04/05	R.C. Byrd	Ca (mg/L)	25.68			26.53						
03/15/05	R.C. Byrd	Ca (mg/L)	25.03			20.58						
05/04/05	R.C. Byrd	Ca (mg/L)	16.31			16.72						
07/12/05	R.C. Byrd	Ca (mg/L)	36.57			29.91						
11/24/03	Smithland	Ca (mg/L)	43.00			27.00						
01/27/04	Smithland	Ca (mg/L)	54.00			46.00						
03/08/04	Smithland	Ca (mg/L)	44.00			44.00						
05/24/04	Smithland	Ca (mg/L)	44.00			42.00						
07/06/04	Smithland	Ca (mg/L)	44.89			43.01						
09/08/04	Smithland	Ca (mg/L)	43.99			41.15						
11/16/04	Smithland	Ca (mg/L)	42.20			49.10						
01/27/05	Smithland	Ca (mg/L)	28.99			29.18						
03/21/05	Smithland	Ca (mg/L)	44.19			42.34						
05/24/05	Smithland	Ca (mg/L)	38.83			40.34						
07/12/05	Smithland	Ca (mg/L)	38.01			32.97						
11/20/03	West Point	Ca (mg/L)	39.00			24.00						
01/29/04	West Point	Ca (mg/L)	45.00			37.00						
03/09/04	West Point	Ca (mg/L)	38.00			36.00						
05/25/04	West Point	Ca (mg/L)	43.00			41.00						
07/07/04	West Point	Ca (mg/L)	45.32			45.13						
09/09/04	West Point	Ca (mg/L)	44.91			44.59						
11/17/04	West Point	Ca (mg/L)	51.60			46.90						
01/27/05	West Point	Ca (mg/L)	30.28			30.95						
03/22/05	West Point	Ca (mg/L)	37.50			38.56						
05/23/05	West Point	Ca (mg/L)	42.46			39.87						
07/13/05	West Point	Ca (mg/L)	44.42			42.39						
11/04/03	Willow Island	Ca (mg/L)	33.00			26.00						
01/13/04	Willow Island	Ca (mg/L)	29.00			25.00						
03/11/04	Willow Island	Ca (mg/L)	21.00			20.00						
05/05/04	Willow Island	Ca (mg/L)	32.00			31.00						
07/13/04	Willow Island	Ca (mg/L)	34.89			32.65						
09/16/04	Willow Island	Ca (mg/L)	24.26			19.70						
11/11/04	Willow Island	Ca (mg/L)	40.90			41.90						
01/04/05	Willow Island	Ca (mg/L)	25.06			26.61						
01/28/05	Willow Island	Ca (mg/L)	28.04			29.03						
02/01/05	Willow Island	Ca (mg/L)	29.05			28.44						
02/03/05	Willow Island	Ca (mg/L)	29.41			30.70						
03/15/05	Willow Island	Ca (mg/L)	32.26			29.51						
05/04/05	Willow Island	Ca (mg/L)	33.10			29.68						
07/12/05	Willow Island	Ca (mg/L)	43.04			39.15						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)				Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment		Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Cd (ug/L)	0.34			<0.1	3.78	2.44	ok				
01/15/04	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	3.77	2.43	ok				
03/10/04	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	3.48	2.16	ok				
05/26/04	Anderson Ferry	Cd (ug/L)	0.10			<0.1	4.51	3.16	ok				
07/14/04	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	4.84	3.50	ok				
09/29/04	Anderson Ferry	Cd (ug/L)	0.11			<0.1	3.71	2.37	ok				
11/23/04	Anderson Ferry	Cd (ug/L)	0.10			<0.1	4.47	3.12	ok				
01/25/05	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	4.18	2.83	ok				
03/24/05	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	4.98	3.66	ok				
05/23/05	Anderson Ferry	Cd (ug/L)	<0.1			<0.1	5.49	4.22	ok				
07/13/05	Anderson Ferry	Cd (ug/L)	<0.1			<0.1			insufficient data				
11/04/03	Belleville	Cd (ug/L)	<0.1			<0.1	4.36	3.01	ok				
01/13/04	Belleville	Cd (ug/L)	0.10			<0.1	4.14	2.79	ok				
03/11/04	Belleville	Cd (ug/L)	0.11			<0.1	3.85	2.50	ok				
05/05/04	Belleville	Cd (ug/L)	<0.1			<0.1	5.21	3.91	ok				
07/13/04	Belleville	Cd (ug/L)	<0.1			<0.1	5.30	4.01	ok				
09/16/04	Belleville	Cd (ug/L)	<0.1			<0.1	3.77	2.43	ok				
11/11/04	Belleville	Cd (ug/L)	<0.1			<0.1	5.63	4.37	ok				
01/04/05	Belleville	Cd (ug/L)	<0.1			<0.1	4.57	3.22	ok				
01/28/05	Belleville	Cd (ug/L)	<0.1			<0.1			insufficient data				
02/01/05	Belleville	Cd (ug/L)	<0.1			<0.1			insufficient data				
02/03/05	Belleville	Cd (ug/L)	<0.1			<0.1			insufficient data				
03/15/05	Belleville	Cd (ug/L)	<0.1			<0.1	5.08	3.76	ok				
05/04/05	Belleville	Cd (ug/L)	<0.1			<0.1	5.23	3.93	ok				
07/12/05	Belleville	Cd (ug/L)	<0.1			<0.1	5.20	3.89	ok				
11/24/03	Cannelton	Cd (ug/L)	<0.1			<0.1	3.87	2.53	ok				
01/14/04	Cannelton	Cd (ug/L)	0.16			<0.1	3.88	2.54	ok				
03/09/04	Cannelton	Cd (ug/L)	0.15			<0.1	5.17	3.86	ok				
05/25/04	Cannelton	Cd (ug/L)	<0.1			<0.1	5.26	3.95	ok				
07/07/04	Cannelton	Cd (ug/L)	<0.1			<0.1	5.06	3.74	ok				
09/09/04	Cannelton	Cd (ug/L)	<0.1			<0.1	5.09	3.77	ok				
11/17/04	Cannelton	Cd (ug/L)	<0.1			<0.1	5.49	4.21	ok				
01/26/05	Cannelton	Cd (ug/L)	0.13			<0.1	4.52	3.17	ok				
03/22/05	Cannelton	Cd (ug/L)	<0.1			<0.1	5.05	3.73	ok				
05/23/05	Cannelton	Cd (ug/L)	<0.1			<0.1	7.48	6.64	ok				
07/13/05	Cannelton	Cd (ug/L)	<0.1			<0.1	5.07	3.75	ok				
01/15/04	Greenup	Cd (ug/L)	<0.1			<0.1	3.40	2.09	ok				
03/11/04	Greenup	Cd (ug/L)	0.17			<0.1	3.53	2.20	ok				
05/26/04	Greenup	Cd (ug/L)	0.24			<0.1	4.13	2.78	ok				
07/14/04	Greenup	Cd (ug/L)	<0.1			<0.1	4.92	3.59	ok				
09/29/04	Greenup	Cd (ug/L)	<0.1			<0.1	3.98	2.63	ok				
11/23/04	Greenup	Cd (ug/L)	<0.1			<0.1	4.07	2.72	ok				
01/26/05	Greenup	Cd (ug/L)	0.25			<0.1	4.14	2.79	ok				
03/23/05	Greenup	Cd (ug/L)	<0.1			<0.1	4.59	3.25	ok				
05/24/05	Greenup	Cd (ug/L)	<0.1			<0.1	4.66	3.32	ok				
07/14/05	Greenup	Cd (ug/L)	<0.1			<0.1	4.45	3.10	ok				
11/12/03	Hannibal	Cd (ug/L)	<0.1			<0.1	3.10	1.82	ok				
01/26/04	Hannibal	Cd (ug/L)	<0.1			<0.1	5.52	4.25	ok				
03/04/04	Hannibal	Cd (ug/L)	0.13			<0.1	4.30	2.95	ok				
05/12/04	Hannibal	Cd (ug/L)	<0.1			<0.1	3.76	2.42	ok				
07/15/04	Hannibal	Cd (ug/L)	<0.1			<0.1	4.94	3.61	ok				
09/23/04	Hannibal	Cd (ug/L)	0.17			<0.1	3.58	2.25	ok				
11/04/04	Hannibal	Cd (ug/L)	<0.1			<0.1	5.25	3.94	ok				
01/20/05	Hannibal	Cd (ug/L)	<0.1			<0.1	3.70	2.36	ok				
03/16/05	Hannibal	Cd (ug/L)	<0.1			<0.1	4.28	2.93	ok				
05/12/05	Hannibal	Cd (ug/L)	<0.1			<0.1	4.61	3.26	ok				
07/14/05	Hannibal	Cd (ug/L)	<0.1			<0.1	5.19	3.88	ok				
11/24/03	J.T. Myers	Cd (ug/L)	0.16			<0.1	3.58	2.25	ok				
01/27/04	J.T. Myers	Cd (ug/L)	<0.1			<0.1	5.03	3.71	ok				
03/08/04	J.T. Myers	Cd (ug/L)	0.12			<0.1	5.41	4.13	ok				
05/24/04	J.T. Myers	Cd (ug/L)	0.11			<0.1	5.19	3.88	ok				
07/06/04	J.T. Myers	Cd (ug/L)	<0.1			<0.1	4.95	3.62	ok				
09/08/04	J.T. Myers	Cd (ug/L)	<0.1			<0.1	5.31	4.02	ok				
11/16/04	J.T. Myers	Cd (ug/L)	0.10			<0.1	5.15	3.84	ok				
01/26/05	J.T. Myers	Cd (ug/L)	<0.1			<0.1	4.37	3.02	ok				
03/21/05	J.T. Myers	Cd (ug/L)	<0.1			<0.1	4.88	3.54	ok				
05/24/05	J.T. Myers	Cd (ug/L)	<0.1			<0.1	5.19	3.89	ok				
07/12/05	J.T. Myers	Cd (ug/L)	<0.1			<0.1	4.88	3.55	ok				
11/24/03	L&D 52	Cd (ug/L)	0.19			<0.1	4.69	3.34	ok				
01/27/04	L&D 52	Cd (ug/L)	0.14			<0.1	5.80	4.57	ok				
03/08/04	L&D 52	Cd (ug/L)	0.14			<0.1	5.83	4.60	ok				
05/24/04	L&D 52	Cd (ug/L)	<0.1			<0.1	5.63	4.38	ok				
07/06/04	L&D 52	Cd (ug/L)	<0.1			<0.1	5.04	3.72	ok				
09/08/04	L&D 52	Cd (ug/L)	<0.1			<0.1	5.48	4.20	ok				
11/16/04	L&D 52	Cd (ug/L)	<0.1			<0.1	5.49	4.22	ok				
01/27/05	L&D 52	Cd (ug/L)	<0.1			<0.1	4.15	2.80	ok				
03/21/05	L&D 52	Cd (ug/L)	<0.1			<0.1	5.83	4.61	ok				
05/24/05	L&D 52	Cd (ug/L)	<0.1			<0.1	5.55	4.29	ok				
07/12/05	L&D 52	Cd (ug/L)	<0.1			<0.1	5.24	3.93	ok				
11/20/03	Louisville	Cd (ug/L)	<0.1			<0.1	4.34	2.98	ok				
01/29/04	Louisville	Cd (ug/L)	<0.1			<0.1	4.88	3.55	ok				
03/09/04	Louisville	Cd (ug/L)	0.11			<0.1	5.03	3.71	ok				
05/25/04	Louisville	Cd (ug/L)	0.16			<0.1	5.39	4.11	ok				
07/07/04	Louisville	Cd (ug/L)	<0.1			<0.1	4.97	3.64	ok				
09/09/04	Louisville	Cd (ug/L)	<0.1			<0.1	5.02	3.70	ok				
11/17/04	Louisville	Cd (ug/L)	<0.1			<0.1	5.45	4.17	ok				
01/26/05	Louisville	Cd (ug/L)	<0.1			<0.1	4.53	3.18	ok				
03/22/05	Louisville	Cd (ug/L)	<0.1			<0.1	5.03	3.71	ok				
05/23/05	Louisville	Cd (ug/L)	<0.1			<0.1	5.13	3.81	ok				
07/13/05	Louisville	Cd (ug/L)	<0.1			<0.1	5.29	3.99	ok				
11/20/03	Markland	Cd (ug/L)	<0.1			<0.1	3.92	2.57	ok				
01/14/04	Markland	Cd (ug/L)	0.13			<0.1	3.85	2.50	ok				
03/10/04	Markland	Cd (ug/L)	0.29			<0.1	3.91	2.56	ok				
05/26/04	Markland	Cd (ug/L)	0.13			<0.1	4.80	3.47	ok				
07/15/04	Markland	Cd (ug/L)	<0.1			<0.1	4.91	3.58	ok				
09/09/04	Markland	Cd (ug/L)	<0.1			<0.1	5.66	4.42	ok				

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Cd (ug/L)	<0.1			<0.1	5.35	4.06	ok			
01/26/05	Markland	Cd (ug/L)	<0.1			<0.1	4.26	2.90	ok			
03/24/05	Markland	Cd (ug/L)	<0.1			<0.1	5.10	3.79	ok			
05/23/05	Markland	Cd (ug/L)	0.20			<0.1	5.39	4.11	ok			
07/13/05	Markland	Cd (ug/L)	<0.1			<0.1	5.29	4.00	ok			
01/15/04	Meldahl	Cd (ug/L)	0.10			<0.1	3.61	2.28	ok			
03/11/04	Meldahl	Cd (ug/L)	0.14			<0.1	3.74	2.41	ok			
05/26/04	Meldahl	Cd (ug/L)	0.18			<0.1	4.56	3.21	ok			
07/15/04	Meldahl	Cd (ug/L)	<0.1			<0.1	4.61	3.27	ok			
09/29/04	Meldahl	Cd (ug/L)	<0.1			<0.1	3.61	2.28	ok			
11/23/04	Meldahl	Cd (ug/L)	<0.1			<0.1	4.40	3.05	ok			
01/25/05	Meldahl	Cd (ug/L)	<0.1			<0.1	4.14	2.78	ok			
03/23/05	Meldahl	Cd (ug/L)	<0.1			<0.1	4.76	3.42	ok			
05/24/05	Meldahl	Cd (ug/L)	<0.1			<0.1	4.63	3.28	ok			
07/14/05	Meldahl	Cd (ug/L)	<0.1			<0.1	4.83	3.50	ok			
11/12/03	New Cumberland	Cd (ug/L)	<0.1			<0.1			insufficient data			
01/26/04	New Cumberland	Cd (ug/L)	<0.1			<0.1	4.71	3.37	ok			
03/04/04	New Cumberland	Cd (ug/L)	0.21			<0.1	4.17	2.81	ok			
05/12/04	New Cumberland	Cd (ug/L)	<0.1			<0.1	3.92	2.57	ok			
07/15/04	New Cumberland	Cd (ug/L)	<0.1			<0.1	4.66	3.32	ok			
09/26/04	New Cumberland	Cd (ug/L)	<0.1			<0.1	3.33	2.03	ok			
11/04/04	New Cumberland	Cd (ug/L)	<0.1			<0.1	4.44	3.08	ok			
01/20/05	New Cumberland	Cd (ug/L)	0.12			<0.1	3.53	2.21	ok			
03/16/05	New Cumberland	Cd (ug/L)	0.11			<0.1	7.48	6.64	ok			
05/12/05	New Cumberland	Cd (ug/L)	<0.1			<0.1	3.95	2.60	ok			
07/14/05	New Cumberland	Cd (ug/L)	<0.1			<0.1	2.68	1.47	ok			
11/24/03	Newburgh	Cd (ug/L)	0.22			<0.1	3.97	2.62	ok			
01/28/04	Newburgh	Cd (ug/L)	<0.1			<0.1	5.37	4.08	ok			
03/09/04	Newburgh	Cd (ug/L)	0.16			<0.1	5.21	3.91	ok			
05/25/04	Newburgh	Cd (ug/L)	0.10			<0.1	5.50	4.23	ok			
07/07/04	Newburgh	Cd (ug/L)	<0.1			<0.1	4.99	3.66	ok			
09/09/04	Newburgh	Cd (ug/L)	<0.1			<0.1	5.32	4.03	ok			
11/17/04	Newburgh	Cd (ug/L)	<0.1			<0.1	5.46	4.18	ok			
01/26/05	Newburgh	Cd (ug/L)	<0.1			<0.1	4.65	3.30	ok			
03/22/05	Newburgh	Cd (ug/L)	<0.1			<0.1	4.95	3.62	ok			
05/23/05	Newburgh	Cd (ug/L)	0.20			<0.1	5.17	3.86	ok			
07/13/05	Newburgh	Cd (ug/L)	<0.1			<0.1	4.85	3.52	ok			
11/12/03	Pike Island	Cd (ug/L)	<0.1			<0.1	3.14	1.86	ok			
01/26/04	Pike Island	Cd (ug/L)	<0.1			<0.1	4.47	3.12	ok			
03/04/04	Pike Island	Cd (ug/L)	0.14			<0.1	4.31	2.96	ok			
05/12/04	Pike Island	Cd (ug/L)	<0.1			<0.1	4.25	2.90	ok			
07/15/04	Pike Island	Cd (ug/L)	<0.1			<0.1	4.68	3.34	ok			
09/29/04	Pike Island	Cd (ug/L)	0.15			<0.1	3.04	1.77	ok			
11/04/04	Pike Island	Cd (ug/L)	<0.1			<0.1	4.72	3.38	ok			
01/20/05	Pike Island	Cd (ug/L)	<0.1			<0.1	3.55	2.22	ok			
03/16/05	Pike Island	Cd (ug/L)	<0.1			<0.1	4.11	2.76	ok			
05/12/05	Pike Island	Cd (ug/L)	<0.1			<0.1	4.25	2.90	ok			
07/14/05	Pike Island	Cd (ug/L)	<0.1			<0.1	4.60	3.25	ok			
11/04/03	R.C. Byrd	Cd (ug/L)	<0.1			<0.1			insufficient data			
01/13/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	3.54	2.22	ok			
03/11/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	2.86	1.62	ok			
05/05/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	3.57	2.24	ok			
07/13/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	4.81	3.47	ok			
09/16/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	3.87	2.52	ok			
11/11/04	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	4.63	3.28	ok			
01/04/05	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	4.06	2.71	ok			
03/15/05	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	3.34	2.03	ok			
05/04/05	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	2.97	1.71	ok			
07/12/05	R.C. Byrd	Cd (ug/L)	<0.1			<0.1	4.57	3.22	ok			
11/24/03	Smithland	Cd (ug/L)	0.18			<0.1	3.99	2.65	ok			
01/27/04	Smithland	Cd (ug/L)	<0.1			<0.1	6.00	4.80	ok			
03/08/04	Smithland	Cd (ug/L)	0.13			<0.1	5.76	4.52	ok			
05/24/04	Smithland	Cd (ug/L)	<0.1			<0.1	5.63	4.38	ok			
07/06/04	Smithland	Cd (ug/L)	0.13			<0.1	5.63	4.38	ok			
09/08/04	Smithland	Cd (ug/L)	<0.1			0.11	5.57	4.31	ok			
11/16/04	Smithland	Cd (ug/L)	0.13			<0.1	5.78	4.55	ok			
01/27/05	Smithland	Cd (ug/L)	<0.1			<0.1	4.31	2.96	ok			
03/21/05	Smithland	Cd (ug/L)	<0.1			<0.1	5.68	4.43	ok			
05/24/05	Smithland	Cd (ug/L)	<0.1			<0.1	5.51	4.24	ok			
07/12/05	Smithland	Cd (ug/L)	<0.1			<0.1	5.05	3.73	ok			
11/20/03	West Point	Cd (ug/L)	<0.1			<0.1	3.57	2.24	ok			
01/29/04	West Point	Cd (ug/L)	<0.1			<0.1	5.04	3.72	ok			
03/09/04	West Point	Cd (ug/L)	0.11			<0.1	4.88	3.55	ok			
05/25/04	West Point	Cd (ug/L)	0.16			<0.1	5.56	4.30	ok			
07/07/04	West Point	Cd (ug/L)	<0.1			<0.1	5.73	4.49	ok			
09/09/04	West Point	Cd (ug/L)	<0.1			<0.1	5.70	4.45	ok			
11/17/04	West Point	Cd (ug/L)	0.10			<0.1	5.65	4.40	ok			
01/27/05	West Point	Cd (ug/L)	0.13			<0.1	4.55	3.20	ok			
03/22/05	West Point	Cd (ug/L)	<0.1			<0.1	5.36	4.08	ok			
05/23/05	West Point	Cd (ug/L)	<0.1			<0.1	5.36	4.07	ok			
07/13/05	West Point	Cd (ug/L)	0.14			0.15	5.70	4.45	ok			
11/04/03	Willow Island	Cd (ug/L)	<0.1			<0.1	3.68	2.35	ok			
01/13/04	Willow Island	Cd (ug/L)	0.13			<0.1	3.67	2.34	ok			
03/11/04	Willow Island	Cd (ug/L)	0.13			<0.1	3.16	1.88	ok			
05/05/04	Willow Island	Cd (ug/L)	<0.1			<0.1	4.35	2.99	ok			
07/13/04	Willow Island	Cd (ug/L)	<0.1			<0.1	4.57	3.22	ok			
09/16/04	Willow Island	Cd (ug/L)	<0.1			<0.1	3.08	1.81	ok			
11/11/04	Willow Island	Cd (ug/L)	<0.1			<0.1	5.19	3.89	ok			
01/04/05	Willow Island	Cd (ug/L)	<0.1			<0.1	3.96	2.61	ok			
01/28/05	Willow Island	Cd (ug/L)	<0.1			<0.1			insufficient data			
02/01/05	Willow Island	Cd (ug/L)	<0.1			<0.1			insufficient data			
02/03/05	Willow Island	Cd (ug/L)	<0.1			<0.1			insufficient data			
03/15/05	Willow Island	Cd (ug/L)	<0.1			<0.1	4.19	2.84	ok			
05/04/05	Willow Island	Cd (ug/L)	<0.1			<0.1	4.32	2.97	ok			
07/12/05	Willow Island	Cd (ug/L)	<0.1			<0.1	5.32	4.02	ok			

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Cr (ug/L)	13.60			0.34	11.00	16.00	ok			
01/15/04	Anderson Ferry	Cr (ug/L)	3.91			0.62	11.00	16.00	ok			
03/10/04	Anderson Ferry	Cr (ug/L)	3.11			<0.1	11.00	16.00	ok			
05/26/04	Anderson Ferry	Cr (ug/L)	2.78			<0.1	11.00	16.00	ok			
07/14/04	Anderson Ferry	Cr (ug/L)	0.97			0.57	11.00	16.00	ok			
09/29/04	Anderson Ferry	Cr (ug/L)	2.65			0.39	11.00	16.00	ok			
11/23/04	Anderson Ferry	Cr (ug/L)	1.94			<0.1	11.00	16.00	ok			
01/25/05	Anderson Ferry	Cr (ug/L)	2.93			<0.1	11.00	16.00	ok			
03/24/05	Anderson Ferry	Cr (ug/L)	1.37			0.63	11.00	16.00	ok			
05/23/05	Anderson Ferry	Cr (ug/L)	1.76			<0.1	11.00	16.00	ok			
07/13/05	Anderson Ferry	Cr (ug/L)	0.76			0.56	11.00	16.00	ok			
11/04/03	Belleville	Cr (ug/L)	1.60			0.77	11.00	16.00	ok			
01/13/04	Belleville	Cr (ug/L)	1.41			0.69	11.00	16.00	ok			
03/11/04	Belleville	Cr (ug/L)	1.64			0.26	11.00	16.00	ok			
05/05/04	Belleville	Cr (ug/L)	1.28			0.71	11.00	16.00	ok			
07/13/04	Belleville	Cr (ug/L)	0.93			0.80	11.00	16.00	ok			
09/16/04	Belleville	Cr (ug/L)	1.87			0.34	11.00	16.00	ok			
11/11/04	Belleville	Cr (ug/L)	0.95			<0.1	11.00	16.00	ok			
01/04/05	Belleville	Cr (ug/L)	2.14			0.58	11.00	16.00	ok			
01/28/05	Belleville	Cr (ug/L)	2.82			0.42	11.00	16.00	ok			
02/01/05	Belleville	Cr (ug/L)	2.02			0.34	11.00	16.00	ok			
02/03/05	Belleville	Cr (ug/L)	1.33			0.32	11.00	16.00	ok			
03/15/05	Belleville	Cr (ug/L)	0.89			0.54	11.00	16.00	ok			
05/04/05	Belleville	Cr (ug/L)	1.09			0.12	11.00	16.00	ok			
07/12/05	Belleville	Cr (ug/L)	0.68			<0.1	11.00	16.00	ok			
11/24/03	Cannelton	Cr (ug/L)	3.91			0.34	11.00	16.00	ok			
01/14/04	Cannelton	Cr (ug/L)	3.48			0.49	11.00	16.00	ok			
03/09/04	Cannelton	Cr (ug/L)	3.13			0.67	11.00	16.00	ok			
05/25/04	Cannelton	Cr (ug/L)	3.30			0.52	11.00	16.00	ok			
07/07/04	Cannelton	Cr (ug/L)	1.40			0.57	11.00	16.00	ok			
09/09/04	Cannelton	Cr (ug/L)	1.11			0.43	11.00	16.00	ok			
11/17/04	Cannelton	Cr (ug/L)	2.05			<0.1	11.00	16.00	ok			
01/26/05	Cannelton	Cr (ug/L)	4.62			0.20	11.00	16.00	ok			
03/22/05	Cannelton	Cr (ug/L)	1.10			0.51	11.00	16.00	ok			
05/23/05	Cannelton	Cr (ug/L)	1.11			<0.1	11.00	16.00	ok			
07/13/05	Cannelton	Cr (ug/L)	0.84			0.47	11.00	16.00	ok			
01/15/04	Greenup	Cr (ug/L)	2.12			0.53	11.00	16.00	ok			
03/11/04	Greenup	Cr (ug/L)	2.70			<0.1	11.00	16.00	ok			
05/26/04	Greenup	Cr (ug/L)	5.07			<0.1	11.00	16.00	ok			
07/14/04	Greenup	Cr (ug/L)	0.95			0.38	11.00	16.00	ok			
09/29/04	Greenup	Cr (ug/L)	1.85			0.17	11.00	16.00	ok			
11/23/04	Greenup	Cr (ug/L)	1.77			<0.1	11.00	16.00	ok			
01/26/05	Greenup	Cr (ug/L)	6.21			<0.1	11.00	16.00	ok			
03/23/05	Greenup	Cr (ug/L)	1.72			0.40	11.00	16.00	ok			
05/24/05	Greenup	Cr (ug/L)	0.85			<0.1	11.00	16.00	ok			
07/14/05	Greenup	Cr (ug/L)	0.40			<0.1	11.00	16.00	ok			
11/12/03	Hannibal	Cr (ug/L)	3.40			0.46	11.00	16.00	ok			
01/26/04	Hannibal	Cr (ug/L)	1.64			0.33	11.00	16.00	ok			
03/04/04	Hannibal	Cr (ug/L)	1.60			0.92	11.00	16.00	ok			
05/12/04	Hannibal	Cr (ug/L)	1.17			<0.1	11.00	16.00	ok			
07/15/04	Hannibal	Cr (ug/L)	1.10			0.92	11.00	16.00	ok			
09/23/04	Hannibal	Cr (ug/L)	3.75			0.63	11.00	16.00	ok			
11/04/04	Hannibal	Cr (ug/L)	0.85			0.22	11.00	16.00	ok			
01/20/05	Hannibal	Cr (ug/L)	2.11			<0.1	11.00	16.00	ok			
03/16/05	Hannibal	Cr (ug/L)	0.83			0.77	11.00	16.00	ok			
05/12/05	Hannibal	Cr (ug/L)	0.86			0.22	11.00	16.00	ok			
07/14/05	Hannibal	Cr (ug/L)	0.61			0.54	11.00	16.00	ok			
11/24/03	J.T. Myers	Cr (ug/L)	7.97			0.27	11.00	16.00	ok			
01/27/04	J.T. Myers	Cr (ug/L)	2.79			0.84	11.00	16.00	ok			
03/08/04	J.T. Myers	Cr (ug/L)	2.40			0.71	11.00	16.00	ok			
05/24/04	J.T. Myers	Cr (ug/L)	3.48			0.68	11.00	16.00	ok			
07/06/04	J.T. Myers	Cr (ug/L)	1.47			0.54	11.00	16.00	ok			
09/08/04	J.T. Myers	Cr (ug/L)	0.95			0.28	11.00	16.00	ok			
11/16/04	J.T. Myers	Cr (ug/L)	4.27			<0.1	11.00	16.00	ok			
01/26/05	J.T. Myers	Cr (ug/L)	2.98			<0.1	11.00	16.00	ok			
03/21/05	J.T. Myers	Cr (ug/L)	1.75			0.40	11.00	16.00	ok			
05/24/05	J.T. Myers	Cr (ug/L)	1.45			<0.1	11.00	16.00	ok			
07/12/05	J.T. Myers	Cr (ug/L)	0.71			<0.1	11.00	16.00	ok			
11/24/03	L&D 52	Cr (ug/L)	8.80			0.42	11.00	16.00	ok			
01/27/04	L&D 52	Cr (ug/L)	5.69			1.21	11.00	16.00	ok			
03/08/04	L&D 52	Cr (ug/L)	2.56			0.47	11.00	16.00	ok			
05/24/04	L&D 52	Cr (ug/L)	1.86			0.17	11.00	16.00	ok			
07/06/04	L&D 52	Cr (ug/L)	1.69			0.59	11.00	16.00	ok			
09/08/04	L&D 52	Cr (ug/L)	1.26			0.52	11.00	16.00	ok			
11/16/04	L&D 52	Cr (ug/L)	3.48			<0.1	11.00	16.00	ok			
01/27/05	L&D 52	Cr (ug/L)	2.88			0.43	11.00	16.00	ok			
03/21/05	L&D 52	Cr (ug/L)	2.19			0.41	11.00	16.00	ok			
05/24/05	L&D 52	Cr (ug/L)	1.52			<0.1	11.00	16.00	ok			
07/12/05	L&D 52	Cr (ug/L)	0.69			<0.1	11.00	16.00	ok			
11/20/03	Louisville	Cr (ug/L)	3.97			0.21	11.00	16.00	ok			
01/29/04	Louisville	Cr (ug/L)	2.78			0.53	11.00	16.00	ok			
03/09/04	Louisville	Cr (ug/L)	3.50			0.13	11.00	16.00	ok			
05/25/04	Louisville	Cr (ug/L)	4.57			0.10	11.00	16.00	ok			
07/07/04	Louisville	Cr (ug/L)	1.56			0.63	11.00	16.00	ok			
09/09/04	Louisville	Cr (ug/L)	1.35			0.53	11.00	16.00	ok			
11/17/04	Louisville	Cr (ug/L)	1.27			<0.1	11.00	16.00	ok			
01/26/05	Louisville	Cr (ug/L)	2.86			0.62	11.00	16.00	ok			
03/22/05	Louisville	Cr (ug/L)	0.91			0.43	11.00	16.00	ok			
05/23/05	Louisville	Cr (ug/L)	1.37			<0.1	11.00	16.00	ok			
07/13/05	Louisville	Cr (ug/L)	0.72			0.55	11.00	16.00	ok			
11/20/03	Markland	Cr (ug/L)	3.46			0.38	11.00	16.00	ok			
01/14/04	Markland	Cr (ug/L)	3.01			0.73	11.00	16.00	ok			
03/10/04	Markland	Cr (ug/L)	9.31			<0.1	11.00	16.00	ok			
05/26/04	Markland	Cr (ug/L)	3.89			<0.1	11.00	16.00	ok			
07/15/04	Markland	Cr (ug/L)	1.45			0.71	11.00	16.00	ok			
09/09/04	Markland	Cr (ug/L)	1.40			0.50	11.00	16.00	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/17/04	Markland	Cr (ug/L)	1.20			<0.1	11.00	16.00	ok			
01/26/05	Markland	Cr (ug/L)	2.24			0.11	11.00	16.00	ok			
03/24/05	Markland	Cr (ug/L)	1.63			0.47	11.00	16.00	ok			
05/23/05	Markland	Cr (ug/L)	1.01			<0.1	11.00	16.00	ok			
07/13/05	Markland	Cr (ug/L)	1.05			0.55	11.00	16.00	ok			
01/15/04	Meldahl	Cr (ug/L)	2.65			0.52	11.00	16.00	ok			
03/11/04	Meldahl	Cr (ug/L)	4.60			<0.1	11.00	16.00	ok			
05/26/04	Meldahl	Cr (ug/L)	4.48			<0.1	11.00	16.00	ok			
07/15/04	Meldahl	Cr (ug/L)	0.84			0.45	11.00	16.00	ok			
09/29/04	Meldahl	Cr (ug/L)	1.86			0.21	11.00	16.00	ok			
11/23/04	Meldahl	Cr (ug/L)	1.56			<0.1	11.00	16.00	ok			
01/25/05	Meldahl	Cr (ug/L)	3.24			<0.1	11.00	16.00	ok			
03/23/05	Meldahl	Cr (ug/L)	0.74			0.76	11.00	16.00	ok			
05/24/05	Meldahl	Cr (ug/L)	0.71			<0.1	11.00	16.00	ok			
07/14/05	Meldahl	Cr (ug/L)	1.21			0.24	11.00	16.00	ok			
11/12/03	New Cumberland	Cr (ug/L)	1.54			0.45	11.00	16.00	ok			
01/26/04	New Cumberland	Cr (ug/L)	1.15			0.73	11.00	16.00	ok			
03/04/04	New Cumberland	Cr (ug/L)	2.13			0.48	11.00	16.00	ok			
05/12/04	New Cumberland	Cr (ug/L)	1.21			<0.1	11.00	16.00	ok			
07/15/04	New Cumberland	Cr (ug/L)	0.94			0.90	11.00	16.00	ok			
09/26/04	New Cumberland	Cr (ug/L)	1.95			0.33	11.00	16.00	ok			
11/04/04	New Cumberland	Cr (ug/L)	0.82			0.11	11.00	16.00	ok			
01/20/05	New Cumberland	Cr (ug/L)	1.24			<0.1	11.00	16.00	ok			
03/16/05	New Cumberland	Cr (ug/L)	0.77			0.61	11.00	16.00	ok			
05/12/05	New Cumberland	Cr (ug/L)	0.55			0.18	11.00	16.00	ok			
07/14/05	New Cumberland	Cr (ug/L)	0.56			0.47	11.00	16.00	ok			
11/24/03	Newburgh	Cr (ug/L)	10.70			0.33	11.00	16.00	ok			
01/28/04	Newburgh	Cr (ug/L)	5.04			<0.1	11.00	16.00	ok			
03/09/04	Newburgh	Cr (ug/L)	3.74			0.41	11.00	16.00	ok			
05/25/04	Newburgh	Cr (ug/L)	2.24			<0.1	11.00	16.00	ok			
07/07/04	Newburgh	Cr (ug/L)	1.17			0.66	11.00	16.00	ok			
09/09/04	Newburgh	Cr (ug/L)	1.23			0.46	11.00	16.00	ok			
11/17/04	Newburgh	Cr (ug/L)	2.93			<0.1	11.00	16.00	ok			
01/26/05	Newburgh	Cr (ug/L)	4.51			0.24	11.00	16.00	ok			
03/22/05	Newburgh	Cr (ug/L)	1.54			0.43	11.00	16.00	ok			
05/23/05	Newburgh	Cr (ug/L)	5.72			<0.1	11.00	16.00	ok			
07/13/05	Newburgh	Cr (ug/L)	0.61			0.41	11.00	16.00	ok			
11/12/03	Pike Island	Cr (ug/L)	1.86			0.40	11.00	16.00	ok			
01/26/04	Pike Island	Cr (ug/L)	1.53			0.97	11.00	16.00	ok			
03/04/04	Pike Island	Cr (ug/L)	1.76			0.48	11.00	16.00	ok			
05/12/04	Pike Island	Cr (ug/L)	1.18			<0.1	11.00	16.00	ok			
07/15/04	Pike Island	Cr (ug/L)	0.66			0.80	11.00	16.00	ok			
09/29/04	Pike Island	Cr (ug/L)	3.01			0.27	11.00	16.00	ok			
11/04/04	Pike Island	Cr (ug/L)	0.89			0.22	11.00	16.00	ok			
01/20/05	Pike Island	Cr (ug/L)	2.09			0.14	11.00	16.00	ok			
03/16/05	Pike Island	Cr (ug/L)	0.81			0.73	11.00	16.00	ok			
05/12/05	Pike Island	Cr (ug/L)	0.84			<0.1	11.00	16.00	ok			
07/14/05	Pike Island	Cr (ug/L)	0.61			0.26	11.00	16.00	ok			
11/04/03	R.C. Byrd	Cr (ug/L)	1.22			<0.1	11.00	16.00	ok			
01/13/04	R.C. Byrd	Cr (ug/L)	1.99			0.55	11.00	16.00	ok			
03/11/04	R.C. Byrd	Cr (ug/L)	1.47			0.32	11.00	16.00	ok			
05/05/04	R.C. Byrd	Cr (ug/L)	2.15			0.13	11.00	16.00	ok			
07/13/04	R.C. Byrd	Cr (ug/L)	2.27			0.64	11.00	16.00	ok			
09/16/04	R.C. Byrd	Cr (ug/L)	1.86			0.11	11.00	16.00	ok			
11/11/04	R.C. Byrd	Cr (ug/L)	1.67			0.14	11.00	16.00	ok			
01/04/05	R.C. Byrd	Cr (ug/L)	1.66			0.41	11.00	16.00	ok			
03/15/05	R.C. Byrd	Cr (ug/L)	0.85			0.25	11.00	16.00	ok			
05/04/05	R.C. Byrd	Cr (ug/L)	0.79			<0.1	11.00	16.00	ok			
07/12/05	R.C. Byrd	Cr (ug/L)	0.61			<0.1	11.00	16.00	ok			
11/24/03	Smithland	Cr (ug/L)	8.76			0.31	11.00	16.00	ok			
01/27/04	Smithland	Cr (ug/L)	3.35			0.73	11.00	16.00	ok			
03/08/04	Smithland	Cr (ug/L)	3.24			0.79	11.00	16.00	ok			
05/24/04	Smithland	Cr (ug/L)	2.61			0.18	11.00	16.00	ok			
07/06/04	Smithland	Cr (ug/L)	1.65			0.57	11.00	16.00	ok			
09/08/04	Smithland	Cr (ug/L)	1.55			0.21	11.00	16.00	ok			
11/16/04	Smithland	Cr (ug/L)	4.02			<0.1	11.00	16.00	ok			
01/27/05	Smithland	Cr (ug/L)	4.40			0.35	11.00	16.00	ok			
03/21/05	Smithland	Cr (ug/L)	1.41			0.49	11.00	16.00	ok			
05/24/05	Smithland	Cr (ug/L)	1.22			<0.1	11.00	16.00	ok			
07/12/05	Smithland	Cr (ug/L)	0.51			<0.1	11.00	16.00	ok			
11/20/03	West Point	Cr (ug/L)	6.83			0.42	11.00	16.00	ok			
01/29/04	West Point	Cr (ug/L)	2.91			0.31	11.00	16.00	ok			
03/09/04	West Point	Cr (ug/L)	3.34			<0.1	11.00	16.00	ok			
05/25/04	West Point	Cr (ug/L)	4.12			0.50	11.00	16.00	ok			
07/07/04	West Point	Cr (ug/L)	1.94			0.62	11.00	16.00	ok			
09/09/04	West Point	Cr (ug/L)	1.38			0.62	11.00	16.00	ok			
11/17/04	West Point	Cr (ug/L)	2.32			<0.1	11.00	16.00	ok			
01/27/05	West Point	Cr (ug/L)	3.36			0.51	11.00	16.00	ok			
03/22/05	West Point	Cr (ug/L)	1.33			0.55	11.00	16.00	ok			
05/23/05	West Point	Cr (ug/L)	2.01			<0.1	11.00	16.00	ok			
07/13/05	West Point	Cr (ug/L)	0.77			0.63	11.00	16.00	ok			
11/04/03	Willow Island	Cr (ug/L)	1.54			0.41	11.00	16.00	ok			
01/13/04	Willow Island	Cr (ug/L)	1.09			0.52	11.00	16.00	ok			
03/11/04	Willow Island	Cr (ug/L)	1.42			0.15	11.00	16.00	ok			
05/05/04	Willow Island	Cr (ug/L)	1.05			0.63	11.00	16.00	ok			
07/13/04	Willow Island	Cr (ug/L)	0.70			0.84	11.00	16.00	ok			
09/16/04	Willow Island	Cr (ug/L)	1.51			0.24	11.00	16.00	ok			
11/11/04	Willow Island	Cr (ug/L)	0.85			<0.1	11.00	16.00	ok			
01/04/05	Willow Island	Cr (ug/L)	1.88			0.13	11.00	16.00	ok			
01/28/05	Willow Island	Cr (ug/L)	0.97			0.39	11.00	16.00	ok			
02/01/05	Willow Island	Cr (ug/L)	1.70			0.33	11.00	16.00	ok			
02/03/05	Willow Island	Cr (ug/L)	1.04			0.23	11.00	16.00	ok			
03/15/05	Willow Island	Cr (ug/L)	0.92			0.55	11.00	16.00	ok			
05/04/05	Willow Island	Cr (ug/L)	1.05			<0.1	11.00	16.00	ok			
07/12/05	Willow Island	Cr (ug/L)	0.39			<0.1	11.00	16.00	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Cu (ug/L)	19.80	1300	ok	1.26	10.73	13.77	ok			
01/15/04	Anderson Ferry	Cu (ug/L)	3.74	1300	ok	1.09	10.69	13.71	ok			
03/10/04	Anderson Ferry	Cu (ug/L)	5.43	1300	ok	1.03	9.73	12.36	ok			
05/26/04	Anderson Ferry	Cu (ug/L)	5.16	1300	ok	1.73	13.15	17.23	ok			
07/14/04	Anderson Ferry	Cu (ug/L)	2.49	1300	ok	1.77	14.25	18.83	ok			
09/29/04	Anderson Ferry	Cu (ug/L)	4.09	1300	ok	1.83	10.47	13.41	ok			
11/23/04	Anderson Ferry	Cu (ug/L)	3.36	1300	ok	1.15	13.00	17.02	ok			
01/25/05	Anderson Ferry	Cu (ug/L)	3.82	1300	ok	1.59	12.05	15.65	ok			
03/24/05	Anderson Ferry	Cu (ug/L)	2.57	1300	ok	1.14	14.76	19.57	ok			
05/23/05	Anderson Ferry	Cu (ug/L)	3.37	1300	ok	1.34	16.51	22.16	ok			
07/13/05	Anderson Ferry	Cu (ug/L)	1.99	1300	ok	1.47			insufficient data			
11/04/03	Belleville	Cu (ug/L)	1.81	1300	ok	1.29	12.64	16.49	ok			
01/13/04	Belleville	Cu (ug/L)	2.85	1300	ok	1.03	11.91	15.45	ok			
03/11/04	Belleville	Cu (ug/L)	3.52	1300	ok	0.93	10.93	14.06	ok			
05/05/04	Belleville	Cu (ug/L)	1.63	1300	ok	1.21	15.54	20.71	ok			
07/13/04	Belleville	Cu (ug/L)	1.88	1300	ok	1.71	15.85	21.17	ok			
09/16/04	Belleville	Cu (ug/L)	3.49	1300	ok	1.69	10.68	13.71	ok			
11/11/04	Belleville	Cu (ug/L)	2.22	1300	ok	1.12	16.98	22.84	ok			
01/04/05	Belleville	Cu (ug/L)	3.24	1300	ok	1.03	13.34	17.51	ok			
01/28/05	Belleville	Cu (ug/L)	3.22	1300	ok	1.02			insufficient data			
02/01/05	Belleville	Cu (ug/L)	2.73	1300	ok	1.27			insufficient data			
02/03/05	Belleville	Cu (ug/L)	2.48	1300	ok	1.29			insufficient data			
03/15/05	Belleville	Cu (ug/L)	1.77	1300	ok	1.06	15.08	20.04	ok			
05/04/05	Belleville	Cu (ug/L)	2.07	1300	ok	1.15	15.62	20.83	ok			
07/12/05	Belleville	Cu (ug/L)	1.93	1300	ok	1.59	15.48	20.63	ok			
11/24/03	Cannelton	Cu (ug/L)	4.17	1300	ok	1.14	11.01	14.17	ok			
01/14/04	Cannelton	Cu (ug/L)	6.21	1300	ok	1.04	11.06	14.24	ok			
03/09/04	Cannelton	Cu (ug/L)	5.58	1300	ok	1.21	15.39	20.49	ok			
05/25/04	Cannelton	Cu (ug/L)	4.28	1300	ok	1.29	15.69	20.93	ok			
07/07/04	Cannelton	Cu (ug/L)	2.15	1300	ok	1.65	15.01	19.95	ok			
09/09/04	Cannelton	Cu (ug/L)	2.08	1300	ok	1.78	15.12	20.10	ok			
11/17/04	Cannelton	Cu (ug/L)	3.27	1300	ok	1.32	16.49	22.11	ok			
01/26/05	Cannelton	Cu (ug/L)	5.62	1300	ok	1.17	13.18	17.28	ok			
03/22/05	Cannelton	Cu (ug/L)	1.86	1300	ok	0.96	14.99	19.91	ok			
05/23/05	Cannelton	Cu (ug/L)	2.20	1300	ok	1.15	23.62	32.87	ok			
07/13/05	Cannelton	Cu (ug/L)	1.97	1300	ok	1.43	15.04	19.98	ok			
01/15/04	Greenup	Cu (ug/L)	2.60	1300	ok	0.94	9.48	12.01	ok			
03/11/04	Greenup	Cu (ug/L)	5.20	1300	ok	0.62	9.89	12.59	ok			
05/26/04	Greenup	Cu (ug/L)	8.52	1300	ok	1.65	11.87	15.39	ok			
07/14/04	Greenup	Cu (ug/L)	2.23	1300	ok	1.62	14.54	19.26	ok			
09/29/04	Greenup	Cu (ug/L)	3.10	1300	ok	1.54	11.38	14.70	ok			
11/23/04	Greenup	Cu (ug/L)	3.03	1300	ok	0.90	11.68	15.13	ok			
01/26/05	Greenup	Cu (ug/L)	7.65	1300	ok	0.81	11.90	15.43	ok			
03/23/05	Greenup	Cu (ug/L)	2.79	1300	ok	0.95	13.43	17.64	ok			
05/24/05	Greenup	Cu (ug/L)	1.78	1300	ok	1.21	13.65	17.96	ok			
07/14/05	Greenup	Cu (ug/L)	1.76	1300	ok	1.70	12.95	16.95	ok			
11/12/03	Hannibal	Cu (ug/L)	4.34	1300	ok	0.82	8.51	10.67	ok			
01/26/04	Hannibal	Cu (ug/L)	2.14	1300	ok	1.36	16.61	22.30	ok			
03/04/04	Hannibal	Cu (ug/L)	3.59	1300	ok	1.08	12.43	16.20	ok			
05/12/04	Hannibal	Cu (ug/L)	1.52	1300	ok	1.06	10.64	13.65	ok			
07/15/04	Hannibal	Cu (ug/L)	3.10	1300	ok	2.01	14.59	19.33	ok			
09/23/04	Hannibal	Cu (ug/L)	4.79	1300	ok	1.59	10.07	12.84	ok			
11/04/04	Hannibal	Cu (ug/L)	2.47	1300	ok	1.56	15.65	20.89	ok			
01/20/05	Hannibal	Cu (ug/L)	2.91	1300	ok	0.73	10.45	13.38	ok			
03/16/05	Hannibal	Cu (ug/L)	2.06	1300	ok	1.12	12.36	16.10	ok			
05/12/05	Hannibal	Cu (ug/L)	1.97	1300	ok	1.29	13.48	17.71	ok			
07/14/05	Hannibal	Cu (ug/L)	2.72	1300	ok	2.23	15.46	20.60	ok			
11/24/03	J.T. Myers	Cu (ug/L)	9.56	1300	ok	1.40	10.07	12.84	ok			
01/27/04	J.T. Myers	Cu (ug/L)	3.56	1300	ok	1.32	14.92	19.81	ok			
03/08/04	J.T. Myers	Cu (ug/L)	4.42	1300	ok	1.17	16.23	21.74	ok			
05/24/04	J.T. Myers	Cu (ug/L)	4.78	1300	ok	1.13	15.45	20.59	ok			
07/06/04	J.T. Myers	Cu (ug/L)	2.27	1300	ok	1.73	14.64	19.41	ok			
09/08/04	J.T. Myers	Cu (ug/L)	2.32	1300	ok	1.75	15.88	21.22	ok			
11/16/04	J.T. Myers	Cu (ug/L)	5.53	1300	ok	1.59	15.32	20.39	ok			
01/26/05	J.T. Myers	Cu (ug/L)	4.01	1300	ok	1.09	12.68	16.56	ok			
03/21/05	J.T. Myers	Cu (ug/L)	2.60	1300	ok	1.02	14.38	19.02	ok			
05/24/05	J.T. Myers	Cu (ug/L)	2.79	1300	ok	1.20	15.47	20.62	ok			
07/12/05	J.T. Myers	Cu (ug/L)	1.77	1300	ok	1.43	14.40	19.06	ok			
11/24/03	L&D 52	Cu (ug/L)	9.63	1300	ok	1.87	13.74	18.09	ok			
01/27/04	L&D 52	Cu (ug/L)	5.26	1300	ok	1.24	17.59	23.75	ok			
03/08/04	L&D 52	Cu (ug/L)	4.49	1300	ok	1.31	17.67	23.87	ok			
05/24/04	L&D 52	Cu (ug/L)	3.16	1300	ok	1.44	16.99	22.86	ok			
07/06/04	L&D 52	Cu (ug/L)	2.34	1300	ok	1.41	14.95	19.85	ok			
09/08/04	L&D 52	Cu (ug/L)	2.45	1300	ok	1.82	16.46	22.07	ok			
11/16/04	L&D 52	Cu (ug/L)	5.16	1300	ok	1.71	16.51	22.15	ok			
01/27/05	L&D 52	Cu (ug/L)	3.75	1300	ok	1.55	11.94	15.50	ok			
03/21/05	L&D 52	Cu (ug/L)	3.12	1300	ok	1.02	17.70	23.92	ok			
05/24/05	L&D 52	Cu (ug/L)	3.20	1300	ok	1.31	16.72	22.46	ok			
07/12/05	L&D 52	Cu (ug/L)	1.85	1300	ok	1.45	15.62	20.83	ok			
11/20/03	Louisville	Cu (ug/L)	4.62	1300	ok	1.29	12.56	16.38	ok			
01/29/04	Louisville	Cu (ug/L)	1.97	1300	ok	0.97	14.41	19.06	ok			
03/09/04	Louisville	Cu (ug/L)	5.39	1300	ok	1.21	14.92	19.81	ok			
05/25/04	Louisville	Cu (ug/L)	7.27	1300	ok	1.53	16.17	21.64	ok			
07/07/04	Louisville	Cu (ug/L)	2.54	1300	ok	1.86	14.70	19.49	ok			
09/09/04	Louisville	Cu (ug/L)	2.32	1300	ok	1.83	14.87	19.74	ok			
11/17/04	Louisville	Cu (ug/L)	2.41	1300	ok	1.24	16.35	21.92	ok			
01/26/05	Louisville	Cu (ug/L)	3.81	1300	ok	1.03	13.20	17.31	ok			
03/22/05	Louisville	Cu (ug/L)	1.52	1300	ok	0.95	14.93	19.82	ok			
05/23/05	Louisville	Cu (ug/L)	2.74	1300	ok	1.13	15.24	20.28	ok			
07/13/05	Louisville	Cu (ug/L)	2.21	1300	ok	1.81	15.80	21.10	ok			
11/20/03	Markland	Cu (ug/L)	4.12	1300	ok	1.34	11.18	14.41	ok			
01/14/04	Markland	Cu (ug/L)	4.88	1300	ok	1.09	10.93	14.06	ok			
03/10/04	Markland	Cu (ug/L)	14.30	1300	ok	1.17	11.14	14.35	ok			
05/26/04	Markland	Cu (ug/L)	6.15	1300	ok	1.66	14.14	18.66	ok			
07/15/04	Markland	Cu (ug/L)	2.26	1300	ok	1.82	14.51	19.21	ok			
09/09/04	Markland	Cu (ug/L)	2.58	1300	ok	1.97	17.11	23.04	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Cu (ug/L)	2.38	1300	ok	1.26	16.02	21.43	ok			
01/26/05	Markland	Cu (ug/L)	3.24	1300	ok	1.15	12.29	16.00	ok			
03/24/05	Markland	Cu (ug/L)	2.49	1300	ok	0.88	15.17	20.17	ok			
05/23/05	Markland	Cu (ug/L)	2.40	1300	ok	1.29	16.17	21.65	ok			
07/13/05	Markland	Cu (ug/L)	1.84	1300	ok	1.54	15.82	21.13	ok			
01/15/04	Meldahl	Cu (ug/L)	3.70	1300	ok	1.00	10.15	12.95	ok			
03/11/04	Meldahl	Cu (ug/L)	5.42	1300	ok	0.96	10.60	13.59	ok			
05/26/04	Meldahl	Cu (ug/L)	8.15	1300	ok	1.87	13.31	17.46	ok			
07/15/04	Meldahl	Cu (ug/L)	2.17	1300	ok	1.85	13.49	17.72	ok			
09/29/04	Meldahl	Cu (ug/L)	3.18	1300	ok	1.56	10.16	12.97	ok			
11/23/04	Meldahl	Cu (ug/L)	2.77	1300	ok	1.06	12.77	16.69	ok			
01/25/05	Meldahl	Cu (ug/L)	3.97	1300	ok	0.97	11.89	15.42	ok			
03/23/05	Meldahl	Cu (ug/L)	1.52	1300	ok	0.99	13.99	18.45	ok			
05/24/05	Meldahl	Cu (ug/L)	1.77	1300	ok	1.17	13.54	17.80	ok			
07/14/05	Meldahl	Cu (ug/L)	3.31	1300	ok	1.60	14.24	18.82	ok			
11/12/03	New Cumberland	Cu (ug/L)	3.06	1300	ok	1.76			insufficient data			
01/26/04	New Cumberland	Cu (ug/L)	3.36	1300	ok	1.39	13.83	18.22	ok			
03/04/04	New Cumberland	Cu (ug/L)	4.11	1300	ok	1.40	11.99	15.57	ok			
05/12/04	New Cumberland	Cu (ug/L)	4.41	1300	ok	3.00	11.18	14.41	ok			
07/15/04	New Cumberland	Cu (ug/L)	5.56	1300	ok	3.84	13.65	17.96	ok			
09/26/04	New Cumberland	Cu (ug/L)	3.54	1300	ok	2.01	9.27	11.72	ok			
11/04/04	New Cumberland	Cu (ug/L)	3.94	1300	ok	2.62	12.89	16.86	ok			
01/20/05	New Cumberland	Cu (ug/L)	2.48	1300	ok	1.13	9.90	12.61	ok			
03/16/05	New Cumberland	Cu (ug/L)	4.03	1300	ok	2.67	23.60	32.84	ok			
05/12/05	New Cumberland	Cu (ug/L)	2.59	1300	ok	1.75	11.26	14.53	ok			
07/14/05	New Cumberland	Cu (ug/L)	6.37	1300	ok	4.11	7.19	8.86	ok			
11/24/03	Newburgh	Cu (ug/L)	12.30	1300	ok	1.06	11.34	14.64	ok			
01/28/04	Newburgh	Cu (ug/L)	3.07	1300	ok	0.97	16.07	21.50	ok			
03/09/04	Newburgh	Cu (ug/L)	6.03	1300	ok	1.30	15.54	20.71	ok			
05/25/04	Newburgh	Cu (ug/L)	4.43	1300	ok	1.56	16.53	22.18	ok			
07/07/04	Newburgh	Cu (ug/L)	2.33	1300	ok	1.79	14.76	19.58	ok			
09/09/04	Newburgh	Cu (ug/L)	2.37	1300	ok	1.86	15.91	21.27	ok			
11/17/04	Newburgh	Cu (ug/L)	4.13	1300	ok	1.47	16.40	21.98	ok			
01/26/05	Newburgh	Cu (ug/L)	5.20	1300	ok	1.30	13.60	17.89	ok			
03/22/05	Newburgh	Cu (ug/L)	2.20	1300	ok	0.99	14.63	19.39	ok			
05/23/05	Newburgh	Cu (ug/L)	7.43	1300	ok	1.30	15.39	20.50	ok			
07/13/05	Newburgh	Cu (ug/L)	1.71	1300	ok	1.40	14.31	18.92	ok			
11/12/03	Pike Island	Cu (ug/L)	2.32	1300	ok	1.05	8.64	10.84	ok			
01/26/04	Pike Island	Cu (ug/L)	1.97	1300	ok	1.25	13.02	17.05	ok			
03/04/04	Pike Island	Cu (ug/L)	3.83	1300	ok	0.87	12.47	16.26	ok			
05/12/04	Pike Island	Cu (ug/L)	1.75	1300	ok	1.19	12.27	15.97	ok			
07/15/04	Pike Island	Cu (ug/L)	2.85	1300	ok	2.09	13.72	18.06	ok			
09/29/04	Pike Island	Cu (ug/L)	4.58	1300	ok	1.28	8.33	10.42	ok			
11/04/04	Pike Island	Cu (ug/L)	2.41	1300	ok	1.46	13.85	18.25	ok			
01/20/05	Pike Island	Cu (ug/L)	2.35	1300	ok	0.85	9.96	12.68	ok			
03/16/05	Pike Island	Cu (ug/L)	6.48	1300	ok	3.32	11.81	15.30	ok			
05/12/05	Pike Island	Cu (ug/L)	1.75	1300	ok	1.07	12.28	15.99	ok			
07/14/05	Pike Island	Cu (ug/L)	2.97	1300	ok	2.29	13.45	17.66	ok			
11/04/03	R.C. Byrd	Cu (ug/L)	2.35	1300	ok	<0.1			insufficient data			
01/13/04	R.C. Byrd	Cu (ug/L)	2.28	1300	ok	0.81	9.94	12.66	ok			
03/11/04	R.C. Byrd	Cu (ug/L)	2.49	1300	ok	0.61	7.77	9.65	ok			
05/05/04	R.C. Byrd	Cu (ug/L)	2.96	1300	ok	0.73	10.02	12.78	ok			
07/13/04	R.C. Byrd	Cu (ug/L)	3.22	1300	ok	1.47	14.15	18.68	ok			
09/16/04	R.C. Byrd	Cu (ug/L)	3.35	1300	ok	1.82	11.00	14.15	ok			
11/11/04	R.C. Byrd	Cu (ug/L)	2.80	1300	ok	1.08	13.54	17.81	ok			
01/04/05	R.C. Byrd	Cu (ug/L)	1.71	1300	ok	0.82	11.64	15.07	ok			
03/15/05	R.C. Byrd	Cu (ug/L)	1.37	1300	ok	0.29	9.28	11.74	ok			
05/04/05	R.C. Byrd	Cu (ug/L)	1.47	1300	ok	0.67	8.11	10.12	ok			
07/12/05	R.C. Byrd	Cu (ug/L)	2.11	1300	ok	1.38	13.33	17.49	ok			
11/24/03	Smithland	Cu (ug/L)	10.48	1300	ok	1.52	11.42	14.75	ok			
01/27/04	Smithland	Cu (ug/L)	3.42	1300	ok	1.14	18.27	24.77	ok			
03/08/04	Smithland	Cu (ug/L)	5.02	1300	ok	1.41	17.44	23.54	ok			
05/24/04	Smithland	Cu (ug/L)	3.12	1300	ok	1.55	16.99	22.86	ok			
07/06/04	Smithland	Cu (ug/L)	2.46	1300	ok	1.57	17.00	22.88	ok			
09/08/04	Smithland	Cu (ug/L)	2.62	1300	ok	2.08	16.80	22.57	ok			
11/16/04	Smithland	Cu (ug/L)	5.51	1300	ok	1.66	17.52	23.65	ok			
01/27/05	Smithland	Cu (ug/L)	4.63	1300	ok	1.41	12.49	16.28	ok			
03/21/05	Smithland	Cu (ug/L)	2.20	1300	ok	1.15	17.17	23.12	ok			
05/24/05	Smithland	Cu (ug/L)	2.48	1300	ok	1.37	16.58	22.25	ok			
07/12/05	Smithland	Cu (ug/L)	1.54	1300	ok	1.33	14.99	19.91	ok			
11/20/03	West Point	Cu (ug/L)	7.99	1300	ok	1.26	10.03	12.78	ok			
01/29/04	West Point	Cu (ug/L)	2.91	1300	ok	1.12	14.95	19.86	ok			
03/09/04	West Point	Cu (ug/L)	5.06	1300	ok	1.26	14.41	19.06	ok			
05/25/04	West Point	Cu (ug/L)	6.11	1300	ok	1.50	16.76	22.52	ok			
07/07/04	West Point	Cu (ug/L)	3.36	1300	ok	1.97	17.34	23.38	ok			
09/09/04	West Point	Cu (ug/L)	2.88	1300	ok	2.05	17.22	23.20	ok			
11/17/04	West Point	Cu (ug/L)	3.50	1300	ok	1.49	17.05	22.95	ok			
01/27/05	West Point	Cu (ug/L)	4.51	1300	ok	1.16	13.27	17.41	ok			
03/22/05	West Point	Cu (ug/L)	2.26	1300	ok	1.19	16.06	21.49	ok			
05/23/05	West Point	Cu (ug/L)	3.23	1300	ok	1.33	16.04	21.46	ok			
07/13/05	West Point	Cu (ug/L)	5.52	1300	ok	4.60	17.23	23.21	ok			
11/04/03	Willow Island	Cu (ug/L)	2.09	1300	ok	1.21	10.40	13.31	ok			
01/13/04	Willow Island	Cu (ug/L)	2.86	1300	ok	0.89	10.36	13.25	ok			
03/11/04	Willow Island	Cu (ug/L)	3.29	1300	ok	0.93	8.72	10.96	ok			
05/05/04	Willow Island	Cu (ug/L)	1.60	1300	ok				no data			
07/13/04	Willow Island	Cu (ug/L)	2.12	1300	ok	1.78	13.35	17.53	ok			
09/16/04	Willow Island	Cu (ug/L)	2.97	1300	ok	1.65	8.46	10.59	ok			
11/11/04	Willow Island	Cu (ug/L)	2.24	1300	ok	1.51	15.48	20.62	ok			
01/04/05	Willow Island	Cu (ug/L)	2.52	1300	ok	0.88	11.30	14.59	ok			
01/28/05	Willow Island	Cu (ug/L)	2.65	1300	ok	1.49			insufficient data			
02/01/05	Willow Island	Cu (ug/L)	2.74	1300	ok	1.38			insufficient data			
02/03/05	Willow Island	Cu (ug/L)	2.18	1300	ok	1.40			insufficient data			
03/15/05	Willow Island	Cu (ug/L)	3.67	1300	ok	1.82	12.08	15.69	ok			
05/04/05	Willow Island	Cu (ug/L)	1.68	1300	ok	1.08	12.50	16.30	ok			
07/12/05	Willow Island	Cu (ug/L)	2.24	1300	ok	1.90	15.90	21.25	ok			

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Fe (ug/L)	14460.00			<50						
01/15/04	Anderson Ferry	Fe (ug/L)	2430.00			<50						
03/10/04	Anderson Ferry	Fe (ug/L)	3600.00			<50						
05/26/04	Anderson Ferry	Fe (ug/L)	2715.00			<50						
07/14/04	Anderson Ferry	Fe (ug/L)	482.76			<50						
09/29/04	Anderson Ferry	Fe (ug/L)	2062.23			<50						
11/23/04	Anderson Ferry	Fe (ug/L)	2520.00			<50						
01/25/05	Anderson Ferry	Fe (ug/L)	3071.00			58.00						
03/24/05	Anderson Ferry	Fe (ug/L)	1370.00			<50						
05/23/05	Anderson Ferry	Fe (ug/L)	1355.00			<50						
07/13/05	Anderson Ferry	Fe (ug/L)	182.00			<50						
11/04/03	Belleville	Fe (ug/L)	243.00			<50						
01/13/04	Belleville	Fe (ug/L)	1690.00			<50						
03/11/04	Belleville	Fe (ug/L)	1770.00			<50						
05/05/04	Belleville	Fe (ug/L)	399.00			<50						
07/13/04	Belleville	Fe (ug/L)	98.39			<50						
09/16/04	Belleville	Fe (ug/L)	1562.05			<50						
11/11/04	Belleville	Fe (ug/L)	417.00			<50						
01/04/05	Belleville	Fe (ug/L)	2604.00			57.00						
01/28/05	Belleville	Fe (ug/L)	2214.00			54.00						
02/01/05	Belleville	Fe (ug/L)	1658.00			54.00						
02/03/05	Belleville	Fe (ug/L)	1312.00			50.00						
03/15/05	Belleville	Fe (ug/L)	1058.00			<50						
05/04/05	Belleville	Fe (ug/L)	673.00			<50						
07/12/05	Belleville	Fe (ug/L)	140.00			<50						
11/24/03	Cannelton	Fe (ug/L)	3040.00			<50						
01/14/04	Cannelton	Fe (ug/L)	4480.00			<50						
03/09/04	Cannelton	Fe (ug/L)	3920.00			<50						
05/25/04	Cannelton	Fe (ug/L)	2375.00			<50						
07/07/04	Cannelton	Fe (ug/L)	474.67			<50						
09/09/04	Cannelton	Fe (ug/L)	275.64			<50						
11/17/04	Cannelton	Fe (ug/L)	2300.00			<50						
01/26/05	Cannelton	Fe (ug/L)	5342.00			54.00						
03/22/05	Cannelton	Fe (ug/L)	1020.00			<50						
05/23/05	Cannelton	Fe (ug/L)	1296.00			<50						
07/13/05	Cannelton	Fe (ug/L)	224.00			<50						
01/15/04	Greenup	Fe (ug/L)	1520.00			<50						
03/11/04	Greenup	Fe (ug/L)	2950.00			<50						
05/26/04	Greenup	Fe (ug/L)	5005.00			<50						
07/14/04	Greenup	Fe (ug/L)	427.15			<50						
09/29/04	Greenup	Fe (ug/L)	1374.09			<50						
11/23/04	Greenup	Fe (ug/L)	2100.00			<50						
01/26/05	Greenup	Fe (ug/L)	7446.00			<50						
03/23/05	Greenup	Fe (ug/L)	2310.00			<50						
05/24/05	Greenup	Fe (ug/L)	401.00			<50						
07/14/05	Greenup	Fe (ug/L)	111.00			<50						
11/12/03	Hannibal	Fe (ug/L)	3160.00			<50						
01/26/04	Hannibal	Fe (ug/L)	721.00			<50						
03/04/04	Hannibal	Fe (ug/L)	1880.00			<50						
05/12/04	Hannibal	Fe (ug/L)	202.00			<50						
07/15/04	Hannibal	Fe (ug/L)	428.43			<50						
09/23/04	Hannibal	Fe (ug/L)	3208.37			<50						
11/04/04	Hannibal	Fe (ug/L)	294.00			<50						
01/20/05	Hannibal	Fe (ug/L)	2102.00			60.00						
03/16/05	Hannibal	Fe (ug/L)	918.00			<50						
05/12/05	Hannibal	Fe (ug/L)	259.00			<50						
07/14/05	Hannibal	Fe (ug/L)	123.00			<50						
11/24/03	J.T. Myers	Fe (ug/L)	8370.00			<50						
01/27/04	J.T. Myers	Fe (ug/L)	2880.00			<50						
03/08/04	J.T. Myers	Fe (ug/L)	2630.00			<50						
05/24/04	J.T. Myers	Fe (ug/L)	3030.00			<50						
07/06/04	J.T. Myers	Fe (ug/L)	683.50			<50						
09/08/04	J.T. Myers	Fe (ug/L)	446.48			<50						
11/16/04	J.T. Myers	Fe (ug/L)	5780.00			<50						
01/26/05	J.T. Myers	Fe (ug/L)	3692.00			63.00						
03/21/05	J.T. Myers	Fe (ug/L)	2050.00			<50						
05/24/05	J.T. Myers	Fe (ug/L)	1723.00			<50						
07/12/05	J.T. Myers	Fe (ug/L)	224.00			<50						
11/24/03	L&D 52	Fe (ug/L)	8020.00			<50						
01/27/04	L&D 52	Fe (ug/L)	5100.00			<50						
03/08/04	L&D 52	Fe (ug/L)	2910.00			<50						
05/24/04	L&D 52	Fe (ug/L)	1580.00			<50						
07/06/04	L&D 52	Fe (ug/L)	1054.09			<50						
09/08/04	L&D 52	Fe (ug/L)	426.85			<50						
11/16/04	L&D 52	Fe (ug/L)	4990.00			66.00						
01/27/05	L&D 52	Fe (ug/L)	3190.00			56.00						
03/21/05	L&D 52	Fe (ug/L)	2580.00			<50						
05/24/05	L&D 52	Fe (ug/L)	1883.00			<50						
07/12/05	L&D 52	Fe (ug/L)	402.00			<50						
11/20/03	Louisville	Fe (ug/L)	3860.00			<50						
01/29/04	Louisville	Fe (ug/L)	980.00			<50						
03/09/04	Louisville	Fe (ug/L)	4320.00			<50						
05/25/04	Louisville	Fe (ug/L)	4705.00			<50						
07/07/04	Louisville	Fe (ug/L)	751.44			<50						
09/09/04	Louisville	Fe (ug/L)	561.23			<50						
11/17/04	Louisville	Fe (ug/L)	1200.00			<50						
01/26/05	Louisville	Fe (ug/L)	3870.00			59.00						
03/22/05	Louisville	Fe (ug/L)	763.00			<50						
05/23/05	Louisville	Fe (ug/L)	1470.00			<50						
07/13/05	Louisville	Fe (ug/L)	249.00			<50						
11/20/03	Markland	Fe (ug/L)	2940.00			<50						
01/14/04	Markland	Fe (ug/L)	3280.00			<50						
03/10/04	Markland	Fe (ug/L)	10530.00			<50						
05/26/04	Markland	Fe (ug/L)	3790.00			<50						
07/15/04	Markland	Fe (ug/L)	369.12			<50						
09/09/04	Markland	Fe (ug/L)	595.75			<50						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/17/04	Markland	Fe (ug/L)	1120.00			<50						
01/26/05	Markland	Fe (ug/L)	2383.00			50.00						
03/24/05	Markland	Fe (ug/L)	2360.00			<50						
05/23/05	Markland	Fe (ug/L)	491.00			<50						
07/13/05	Markland	Fe (ug/L)	143.00			<50						
01/15/04	Meldahl	Fe (ug/L)	2330.00			<50						
03/11/04	Meldahl	Fe (ug/L)	3300.00			<50						
05/26/04	Meldahl	Fe (ug/L)	5080.00			<50						
07/15/04	Meldahl	Fe (ug/L)	287.25			<50						
09/29/04	Meldahl	Fe (ug/L)	1276.35			<50						
11/23/04	Meldahl	Fe (ug/L)	1560.00			<50						
01/25/05	Meldahl	Fe (ug/L)	3527.00			<50						
03/23/05	Meldahl	Fe (ug/L)	540.00			58.00						
05/24/05	Meldahl	Fe (ug/L)	408.00			<50						
07/14/05	Meldahl	Fe (ug/L)	1145.00			<50						
11/12/03	New Cumberland	Fe (ug/L)	361.00			<50						
01/26/04	New Cumberland	Fe (ug/L)	988.00			<50						
03/04/04	New Cumberland	Fe (ug/L)	1690.00			<50						
05/12/04	New Cumberland	Fe (ug/L)	281.00			<50						
07/15/04	New Cumberland	Fe (ug/L)	353.71			<50						
09/26/04	New Cumberland	Fe (ug/L)	1552.29			<50						
11/04/04	New Cumberland	Fe (ug/L)	405.00			<50						
01/20/05	New Cumberland	Fe (ug/L)	1163.00			<50						
03/16/05	New Cumberland	Fe (ug/L)	717.00			<50						
05/12/05	New Cumberland	Fe (ug/L)	254.00			<50						
07/14/05	New Cumberland	Fe (ug/L)	244.00			<50						
11/24/03	Newburgh	Fe (ug/L)	11740.00			<50						
01/28/04	Newburgh	Fe (ug/L)	1720.00			<50						
03/09/04	Newburgh	Fe (ug/L)	4640.00			<50						
05/25/04	Newburgh	Fe (ug/L)	2435.00			<50						
07/07/04	Newburgh	Fe (ug/L)	587.01			<50						
09/09/04	Newburgh	Fe (ug/L)	284.46			<50						
11/17/04	Newburgh	Fe (ug/L)	4290.00			<50						
01/26/05	Newburgh	Fe (ug/L)	5252.00			56.00						
03/22/05	Newburgh	Fe (ug/L)	1800.00			<50						
05/23/05	Newburgh	Fe (ug/L)	6778.00			<50						
07/13/05	Newburgh	Fe (ug/L)	159.00			<50						
11/12/03	Pike Island	Fe (ug/L)	704.00			<50						
01/26/04	Pike Island	Fe (ug/L)	526.00			<50						
03/04/04	Pike Island	Fe (ug/L)	2170.00			<50						
05/12/04	Pike Island	Fe (ug/L)	290.00			<50						
07/15/04	Pike Island	Fe (ug/L)	389.47			<50						
09/29/04	Pike Island	Fe (ug/L)	2972.93			<50						
11/04/04	Pike Island	Fe (ug/L)	319.00			<50						
01/20/05	Pike Island	Fe (ug/L)	1329.00			53.00						
03/16/05	Pike Island	Fe (ug/L)	889.00			<50						
05/12/05	Pike Island	Fe (ug/L)	306.00			<50						
07/14/05	Pike Island	Fe (ug/L)	102.00			<50						
11/04/03	R.C. Byrd	Fe (ug/L)	934.00			<50						
01/13/04	R.C. Byrd	Fe (ug/L)	1210.00			<50						
03/11/04	R.C. Byrd	Fe (ug/L)	1140.00			<50						
05/05/04	R.C. Byrd	Fe (ug/L)	1695.00			<50						
07/13/04	R.C. Byrd	Fe (ug/L)	1390.17			<50						
09/16/04	R.C. Byrd	Fe (ug/L)	1360.76			<50						
11/11/04	R.C. Byrd	Fe (ug/L)	1560.00			<50						
01/04/05	R.C. Byrd	Fe (ug/L)	972.00			66.00						
03/15/05	R.C. Byrd	Fe (ug/L)	702.00			<50						
05/04/05	R.C. Byrd	Fe (ug/L)	708.00			<50						
07/12/05	R.C. Byrd	Fe (ug/L)	584.00			<50						
11/24/03	Smithland	Fe (ug/L)	8460.00			<50						
01/27/04	Smithland	Fe (ug/L)	2520.00			<50						
03/08/04	Smithland	Fe (ug/L)	3600.00			<50						
05/24/04	Smithland	Fe (ug/L)	1590.00			<50						
07/06/04	Smithland	Fe (ug/L)	641.27			<50						
09/08/04	Smithland	Fe (ug/L)	460.45			<50						
11/16/04	Smithland	Fe (ug/L)	5630.00			<50						
01/27/05	Smithland	Fe (ug/L)	4491.00			56.00						
03/21/05	Smithland	Fe (ug/L)	1330.00			<50						
05/24/05	Smithland	Fe (ug/L)	1060.00			<50						
07/12/05	Smithland	Fe (ug/L)	164.00			<50						
11/20/03	West Point	Fe (ug/L)	6630.00			<50						
01/29/04	West Point	Fe (ug/L)	1450.00			<50						
03/09/04	West Point	Fe (ug/L)	4160.00			<50						
05/25/04	West Point	Fe (ug/L)	3780.00			<50						
07/07/04	West Point	Fe (ug/L)	964.96			<50						
09/09/04	West Point	Fe (ug/L)	593.63			<50						
11/17/04	West Point	Fe (ug/L)	2750.00			<50						
01/27/05	West Point	Fe (ug/L)	4092.00			<50						
03/22/05	West Point	Fe (ug/L)	1190.00			<50						
05/23/05	West Point	Fe (ug/L)	2555.00			<50						
07/13/05	West Point	Fe (ug/L)	288.00			<50						
11/04/03	Willow Island	Fe (ug/L)	400.00			<50						
01/13/04	Willow Island	Fe (ug/L)	1610.00			<50						
03/11/04	Willow Island	Fe (ug/L)	1670.00			<50						
05/05/04	Willow Island	Fe (ug/L)	225.00			<50						
07/13/04	Willow Island	Fe (ug/L)	132.68			<50						
09/16/04	Willow Island	Fe (ug/L)	1010.34			<50						
11/11/04	Willow Island	Fe (ug/L)	430.00			<50						
01/04/05	Willow Island	Fe (ug/L)	1943.00			67.00						
01/28/05	Willow Island	Fe (ug/L)	827.00			61.00						
02/01/05	Willow Island	Fe (ug/L)	1387.00			59.00						
02/03/05	Willow Island	Fe (ug/L)	829.00			56.00						
03/15/05	Willow Island	Fe (ug/L)	850.00			<50						
05/04/05	Willow Island	Fe (ug/L)	322.00			<50						
07/12/05	Willow Island	Fe (ug/L)	128.00			<50						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Hg (ug/L)	3.41E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/15/04	Anderson Ferry	Hg (ug/L)	7.81E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/10/04	Anderson Ferry	Hg (ug/L)	1.35E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/26/04	Anderson Ferry	Hg (ug/L)	1.30E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/14/04	Anderson Ferry	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/29/04	Anderson Ferry	Hg (ug/L)	5.80E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/23/04	Anderson Ferry	Hg (ug/L)		0.012	no data	<1.5e-3E-03	0.77	1.40	ok			
01/25/05	Anderson Ferry	Hg (ug/L)	6.41E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/24/05	Anderson Ferry	Hg (ug/L)	2.90E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	Anderson Ferry	Hg (ug/L)	3.22E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	Anderson Ferry	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/04/03	Belleville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/13/04	Belleville	Hg (ug/L)	5.59E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/11/04	Belleville	Hg (ug/L)	8.35E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/05/04	Belleville	Hg (ug/L)	2.00E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/04	Belleville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/16/04	Belleville	Hg (ug/L)	4.44E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/11/04	Belleville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/04/05	Belleville	Hg (ug/L)	4.12E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/28/05	Belleville	Hg (ug/L)	6.81E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
02/01/05	Belleville	Hg (ug/L)	3.12E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
02/03/05	Belleville	Hg (ug/L)	2.85E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/15/05	Belleville	Hg (ug/L)	2.12E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/04/05	Belleville	Hg (ug/L)	1.79E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	Belleville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/24/03	Cannelton	Hg (ug/L)	5.66E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/14/04	Cannelton	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/09/04	Cannelton	Hg (ug/L)	1.41E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/25/04	Cannelton	Hg (ug/L)	8.09E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/07/04	Cannelton	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/09/04	Cannelton	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/17/04	Cannelton	Hg (ug/L)	4.21E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/05	Cannelton	Hg (ug/L)	1.27E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
03/22/05	Cannelton	Hg (ug/L)	5.54E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	Cannelton	Hg (ug/L)	3.94E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	Cannelton	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/15/04	Greenup	Hg (ug/L)	4.42E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/11/04	Greenup	Hg (ug/L)	2.54E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/26/04	Greenup	Hg (ug/L)	3.43E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/14/04	Greenup	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/29/04	Greenup	Hg (ug/L)	4.38E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/23/04	Greenup	Hg (ug/L)		0.012	no data		0.77	1.40	no data			
01/26/05	Greenup	Hg (ug/L)	1.80E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
03/23/05	Greenup	Hg (ug/L)	2.24E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/24/05	Greenup	Hg (ug/L)	1.87E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/14/05	Greenup	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/12/03	Hannibal	Hg (ug/L)	4.72E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/04	Hannibal	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/04/04	Hannibal	Hg (ug/L)	5.58E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/04	Hannibal	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/15/04	Hannibal	Hg (ug/L)	4.22E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/23/04	Hannibal	Hg (ug/L)	9.59E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/04/04	Hannibal	Hg (ug/L)	1.78E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/20/05	Hannibal	Hg (ug/L)	4.36E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/16/05	Hannibal	Hg (ug/L)	1.75E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/05	Hannibal	Hg (ug/L)	2.03E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/14/05	Hannibal	Hg (ug/L)	3.10E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/24/03	J.T. Myers	Hg (ug/L)	2.68E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/27/04	J.T. Myers	Hg (ug/L)	7.56E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/08/04	J.T. Myers	Hg (ug/L)	1.25E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/24/04	J.T. Myers	Hg (ug/L)	1.48E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/06/04	J.T. Myers	Hg (ug/L)	1.99E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/08/04	J.T. Myers	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/16/04	J.T. Myers	Hg (ug/L)	1.16E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/05	J.T. Myers	Hg (ug/L)	9.05E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/21/05	J.T. Myers	Hg (ug/L)	4.67E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/24/05	J.T. Myers	Hg (ug/L)	5.78E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	J.T. Myers	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/24/03	L&D 52	Hg (ug/L)	1.71E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/27/04	L&D 52	Hg (ug/L)	1.27E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
03/08/04	L&D 52	Hg (ug/L)	1.39E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/24/04	L&D 52	Hg (ug/L)	5.62E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/06/04	L&D 52	Hg (ug/L)	2.59E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/08/04	L&D 52	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/16/04	L&D 52	Hg (ug/L)	9.23E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/27/05	L&D 52	Hg (ug/L)	7.28E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/21/05	L&D 52	Hg (ug/L)	5.20E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/24/05	L&D 52	Hg (ug/L)	5.45E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	L&D 52	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/20/03	Louisville	Hg (ug/L)	7.36E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/29/04	Louisville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/09/04	Louisville	Hg (ug/L)	1.24E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/25/04	Louisville	Hg (ug/L)	1.58E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/07/04	Louisville	Hg (ug/L)	1.99E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/09/04	Louisville	Hg (ug/L)	2.10E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/17/04	Louisville	Hg (ug/L)	2.42E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/05	Louisville	Hg (ug/L)	8.32E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/22/05	Louisville	Hg (ug/L)	1.75E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	Louisville	Hg (ug/L)	5.56E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	Louisville	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/20/03	Markland	Hg (ug/L)	6.64E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/14/04	Markland	Hg (ug/L)	1.06E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/10/04	Markland	Hg (ug/L)	4.61E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/26/04	Markland	Hg (ug/L)	1.48E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/15/04	Markland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/09/04	Markland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Hg (ug/L)	2.21E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/05	Markland	Hg (ug/L)	7.58E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/24/05	Markland	Hg (ug/L)	4.63E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	Markland	Hg (ug/L)	1.58E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	Markland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/15/04	Meldahl	Hg (ug/L)	7.72E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/11/04	Meldahl	Hg (ug/L)	1.83E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/26/04	Meldahl	Hg (ug/L)	2.15E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/15/04	Meldahl	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/29/04	Meldahl	Hg (ug/L)	3.06E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/23/04	Meldahl	Hg (ug/L)	<1.5e-3	0.012	ok		0.77	1.40	no data			
01/25/05	Meldahl	Hg (ug/L)	5.82E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/23/05	Meldahl	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/24/05	Meldahl	Hg (ug/L)	1.63E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/14/05	Meldahl	Hg (ug/L)	2.52E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/12/03	New Cumberland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/04	New Cumberland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/04/04	New Cumberland	Hg (ug/L)	6.36E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/04	New Cumberland	Hg (ug/L)	1.61E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/15/04	New Cumberland	Hg (ug/L)	2.08E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/26/04	New Cumberland	Hg (ug/L)	5.38E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/04/04	New Cumberland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/20/05	New Cumberland	Hg (ug/L)	2.75E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/16/05	New Cumberland	Hg (ug/L)	1.56E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/05	New Cumberland	Hg (ug/L)	2.56E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/14/05	New Cumberland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/24/03	Newburgh	Hg (ug/L)	2.24E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/28/04	Newburgh	Hg (ug/L)	6.06E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/09/04	Newburgh	Hg (ug/L)	1.49E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/25/04	Newburgh	Hg (ug/L)	9.53E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/07/04	Newburgh	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/09/04	Newburgh	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/17/04	Newburgh	Hg (ug/L)	5.32E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/05	Newburgh	Hg (ug/L)	1.19E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/22/05	Newburgh	Hg (ug/L)	1.03E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	Newburgh	Hg (ug/L)	2.57E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	Newburgh	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/12/03	Pike Island	Hg (ug/L)	2.12E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/26/04	Pike Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/04/04	Pike Island	Hg (ug/L)	6.51E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/04	Pike Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/15/04	Pike Island	Hg (ug/L)	2.25E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/29/04	Pike Island	Hg (ug/L)	1.06E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/04/04	Pike Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/20/05	Pike Island	Hg (ug/L)	3.25E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/16/05	Pike Island	Hg (ug/L)	1.91E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/12/05	Pike Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/14/05	Pike Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/04/03	R.C. Byrd	Hg (ug/L)	4.21E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/13/04	R.C. Byrd	Hg (ug/L)	0.00E+00	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/11/04	R.C. Byrd	Hg (ug/L)	7.78E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/05/04	R.C. Byrd	Hg (ug/L)	6.49E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/04	R.C. Byrd	Hg (ug/L)	4.37E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/16/04	R.C. Byrd	Hg (ug/L)	4.85E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/11/04	R.C. Byrd	Hg (ug/L)	4.11E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/04/05	R.C. Byrd	Hg (ug/L)	2.39E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/15/05	R.C. Byrd	Hg (ug/L)	1.55E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/04/05	R.C. Byrd	Hg (ug/L)	2.37E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	R.C. Byrd	Hg (ug/L)	1.85E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/24/03	Smithland	Hg (ug/L)	2.17E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/27/04	Smithland	Hg (ug/L)	5.42E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/08/04	Smithland	Hg (ug/L)	1.23E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/24/04	Smithland	Hg (ug/L)	6.54E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/06/04	Smithland	Hg (ug/L)	2.24E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/08/04	Smithland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/16/04	Smithland	Hg (ug/L)	1.18E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/27/05	Smithland	Hg (ug/L)	8.03E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/21/05	Smithland	Hg (ug/L)	3.11E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/24/05	Smithland	Hg (ug/L)	2.83E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	Smithland	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/20/03	West Point	Hg (ug/L)	1.70E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
01/29/04	West Point	Hg (ug/L)	8.55E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/09/04	West Point	Hg (ug/L)	1.26E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
05/25/04	West Point	Hg (ug/L)	1.73E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
07/07/04	West Point	Hg (ug/L)	1.44E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
09/09/04	West Point	Hg (ug/L)	5.98E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/17/04	West Point	Hg (ug/L)	8.59E-03	0.012	ok	0.0018	0.77	1.40	ok			
01/27/05	West Point	Hg (ug/L)	1.25E-02	0.012	violation	<1.5e-3E-03	0.77	1.40	ok			
03/22/05	West Point	Hg (ug/L)	7.64E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/23/05	West Point	Hg (ug/L)	1.16E-02	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/05	West Point	Hg (ug/L)	1.79E-02	0.012	violation	0.0026	0.77	1.40	ok			
11/04/03	Willow Island	Hg (ug/L)	2.22E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/13/04	Willow Island	Hg (ug/L)	6.09E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/11/04	Willow Island	Hg (ug/L)	8.34E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/05/04	Willow Island	Hg (ug/L)	2.07E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/13/04	Willow Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
09/16/04	Willow Island	Hg (ug/L)	3.33E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
11/11/04	Willow Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/04/05	Willow Island	Hg (ug/L)	4.39E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
01/28/05	Willow Island	Hg (ug/L)	1.96E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
02/01/05	Willow Island	Hg (ug/L)	2.49E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
02/03/05	Willow Island	Hg (ug/L)	2.08E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
03/15/05	Willow Island	Hg (ug/L)	2.28E-03	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
05/04/05	Willow Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			
07/12/05	Willow Island	Hg (ug/L)	<1.5e-3	0.012	ok	<1.5e-3E-03	0.77	1.40	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Mg (mg/L)	11.20			6.70						
01/15/04	Anderson Ferry	Mg (mg/L)	10.00			7.20						
03/10/04	Anderson Ferry	Mg (mg/L)	7.60			6.70						
05/26/04	Anderson Ferry	Mg (mg/L)	9.80			9.10						
07/14/04	Anderson Ferry	Mg (mg/L)	10.88			10.79						
09/29/04	Anderson Ferry	Mg (mg/L)	7.69			6.72						
11/23/04	Anderson Ferry	Mg (mg/L)	9.67			9.52						
01/25/05	Anderson Ferry	Mg (mg/L)	9.56			9.52						
03/24/05	Anderson Ferry	Mg (mg/L)	11.66			12.48						
05/23/05	Anderson Ferry	Mg (mg/L)	12.56			12.91						
07/13/05	Anderson Ferry	Mg (mg/L)	14.20			12.68						
11/04/03	Belleville	Mg (mg/L)	10.70			7.80						
01/13/04	Belleville	Mg (mg/L)	9.70			7.80						
03/11/04	Belleville	Mg (mg/L)	7.40			7.20						
05/05/04	Belleville	Mg (mg/L)	13.00			11.00						
07/13/04	Belleville	Mg (mg/L)	12.10			11.47						
09/16/04	Belleville	Mg (mg/L)	7.60			6.98						
11/11/04	Belleville	Mg (mg/L)	11.60			11.46						
01/04/05	Belleville	Mg (mg/L)	10.24			9.90						
01/28/05	Belleville	Mg (mg/L)	11.27			11.14						
02/01/05	Belleville	Mg (mg/L)	10.98			10.02						
02/03/05	Belleville	Mg (mg/L)	12.33			11.81						
03/15/05	Belleville	Mg (mg/L)	11.25			12.33						
05/04/05	Belleville	Mg (mg/L)	10.77			11.52						
07/12/05	Belleville	Mg (mg/L)	14.61			11.75						
11/24/03	Cannelton	Mg (mg/L)	10.80			7.40						
01/14/04	Cannelton	Mg (mg/L)	10.00			6.90						
03/09/04	Cannelton	Mg (mg/L)	12.00			10.00						
05/25/04	Cannelton	Mg (mg/L)	14.00			12.00						
07/07/04	Cannelton	Mg (mg/L)	11.38			10.48						
09/09/04	Cannelton	Mg (mg/L)	11.03			10.87						
11/17/04	Cannelton	Mg (mg/L)	9.92			10.46						
01/26/05	Cannelton	Mg (mg/L)	9.88			9.53						
03/22/05	Cannelton	Mg (mg/L)	11.55			12.54						
05/23/05	Cannelton	Mg (mg/L)	10.86			11.84						
07/13/05	Cannelton	Mg (mg/L)	13.76			12.65						
01/15/04	Greenup	Mg (mg/L)	10.00			6.70						
03/11/04	Greenup	Mg (mg/L)	8.10			7.70						
05/26/04	Greenup	Mg (mg/L)	8.70			8.00						
07/14/04	Greenup	Mg (mg/L)	11.60			10.84						
09/29/04	Greenup	Mg (mg/L)	8.32			7.78						
11/23/04	Greenup	Mg (mg/L)	9.36			8.45						
01/26/05	Greenup	Mg (mg/L)	10.10			9.30						
03/23/05	Greenup	Mg (mg/L)	11.41			11.62						
05/24/05	Greenup	Mg (mg/L)	10.64			10.81						
07/14/05	Greenup	Mg (mg/L)	11.30			10.93						
11/12/03	Hannibal	Mg (mg/L)	8.50			4.40						
01/26/04	Hannibal	Mg (mg/L)	13.00			12.00						
03/04/04	Hannibal	Mg (mg/L)	9.30			7.90						
05/12/04	Hannibal	Mg (mg/L)	9.70			7.10						
07/15/04	Hannibal	Mg (mg/L)	11.73			10.20						
09/23/04	Hannibal	Mg (mg/L)	6.92			6.23						
11/04/04	Hannibal	Mg (mg/L)	11.99			9.67						
01/20/05	Hannibal	Mg (mg/L)	7.17			7.48						
03/16/05	Hannibal	Mg (mg/L)	9.56			8.32						
05/12/05	Hannibal	Mg (mg/L)	9.27			9.66						
07/14/05	Hannibal	Mg (mg/L)	11.85			11.38						
11/24/03	J.T. Myers	Mg (mg/L)	11.00			6.30						
01/27/04	J.T. Myers	Mg (mg/L)	14.00			10.00						
03/08/04	J.T. Myers	Mg (mg/L)	13.00			11.00						
05/24/04	J.T. Myers	Mg (mg/L)	15.00			12.00						
07/06/04	J.T. Myers	Mg (mg/L)	10.56			9.95						
09/08/04	J.T. Myers	Mg (mg/L)	12.59			12.09						
11/16/04	J.T. Myers	Mg (mg/L)	9.77			8.97						
01/26/05	J.T. Myers	Mg (mg/L)	9.18			9.13						
03/21/05	J.T. Myers	Mg (mg/L)	10.44			11.36						
05/24/05	J.T. Myers	Mg (mg/L)	11.52			11.83						
07/12/05	J.T. Myers	Mg (mg/L)	12.42			12.19						
11/24/03	L&D 52	Mg (mg/L)	13.00			9.40						
01/27/04	L&D 52	Mg (mg/L)	17.00			14.00						
03/08/04	L&D 52	Mg (mg/L)	14.00			13.00						
05/24/04	L&D 52	Mg (mg/L)	15.00			13.00						
07/06/04	L&D 52	Mg (mg/L)	10.96			10.18						
09/08/04	L&D 52	Mg (mg/L)	13.33			12.66						
11/16/04	L&D 52	Mg (mg/L)	11.58			11.55						
01/27/05	L&D 52	Mg (mg/L)	9.08			8.60						
03/21/05	L&D 52	Mg (mg/L)	13.95			14.68						
05/24/05	L&D 52	Mg (mg/L)	12.12			13.29						
07/12/05	L&D 52	Mg (mg/L)	14.76			13.98						
11/20/03	Louisville	Mg (mg/L)	10.60			7.60						
01/29/04	Louisville	Mg (mg/L)	15.00			10.50						
03/09/04	Louisville	Mg (mg/L)	11.00			10.00						
05/25/04	Louisville	Mg (mg/L)	15.00			11.80						
07/07/04	Louisville	Mg (mg/L)	10.44			10.76						
09/09/04	Louisville	Mg (mg/L)	11.36			10.90						
11/17/04	Louisville	Mg (mg/L)	9.12			9.44						
01/26/05	Louisville	Mg (mg/L)	10.13			10.13						
03/22/05	Louisville	Mg (mg/L)	11.34			11.44						
05/23/05	Louisville	Mg (mg/L)	12.67			11.67						
07/13/05	Louisville	Mg (mg/L)	13.35			13.10						
11/20/03	Markland	Mg (mg/L)	9.70			7.20						
01/14/04	Markland	Mg (mg/L)	11.00			7.20						
03/10/04	Markland	Mg (mg/L)	9.80			7.70						
05/26/04	Markland	Mg (mg/L)	11.00			9.80						
07/15/04	Markland	Mg (mg/L)	11.90			11.10						
09/09/04	Markland	Mg (mg/L)	12.45			12.37						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Mg (mg/L)	10.60			9.78						
01/26/05	Markland	Mg (mg/L)	9.76			9.33						
03/24/05	Markland	Mg (mg/L)	11.09			12.48						
05/23/05	Markland	Mg (mg/L)	12.93			12.63						
07/13/05	Markland	Mg (mg/L)	11.89			13.25						
01/15/04	Meldahl	Mg (mg/L)	10.00			7.10						
03/11/04	Meldahl	Mg (mg/L)	8.10			7.60						
05/26/04	Meldahl	Mg (mg/L)	9.80			8.90						
07/15/04	Meldahl	Mg (mg/L)	12.26			10.35						
09/29/04	Meldahl	Mg (mg/L)	7.52			6.47						
11/23/04	Meldahl	Mg (mg/L)	8.96			8.26						
01/25/05	Meldahl	Mg (mg/L)	9.48			9.35						
03/23/05	Meldahl	Mg (mg/L)	10.52			11.67						
05/24/05	Meldahl	Mg (mg/L)	11.33			10.40						
07/14/05	Meldahl	Mg (mg/L)	13.12			11.70						
11/12/03	New Cumberland	Mg (mg/L)	7.70			4.50						
01/26/04	New Cumberland	Mg (mg/L)	12.00			8.40						
03/04/04	New Cumberland	Mg (mg/L)	8.20			7.40						
05/12/04	New Cumberland	Mg (mg/L)	9.00			7.20						
07/15/04	New Cumberland	Mg (mg/L)	10.65			9.30						
09/26/04	New Cumberland	Mg (mg/L)	6.15			5.65						
11/04/04	New Cumberland	Mg (mg/L)	8.53			8.69						
01/20/05	New Cumberland	Mg (mg/L)	6.98			6.74						
03/16/05	New Cumberland	Mg (mg/L)	7.64			29.86						
05/12/05	New Cumberland	Mg (mg/L)	3.01			7.32						
07/14/05	New Cumberland	Mg (mg/L)	11.65			4.18						
11/24/03	Newburgh	Mg (mg/L)	12.00			7.60						
01/28/04	Newburgh	Mg (mg/L)	14.00			13.00						
03/09/04	Newburgh	Mg (mg/L)	12.80			11.00						
05/25/04	Newburgh	Mg (mg/L)	15.00			13.00						
07/07/04	Newburgh	Mg (mg/L)	11.46			10.61						
09/09/04	Newburgh	Mg (mg/L)	12.33			12.00						
11/17/04	Newburgh	Mg (mg/L)	10.19			9.98						
01/26/05	Newburgh	Mg (mg/L)	10.16			10.38						
03/22/05	Newburgh	Mg (mg/L)	11.61			11.55						
05/23/05	Newburgh	Mg (mg/L)	11.46			11.51						
07/13/05	Newburgh	Mg (mg/L)	12.59			11.34						
11/12/03	Pike Island	Mg (mg/L)	8.60			4.70						
01/26/04	Pike Island	Mg (mg/L)	14.00			10.00						
03/04/04	Pike Island	Mg (mg/L)	8.80			8.00						
05/12/04	Pike Island	Mg (mg/L)	9.20			8.10						
07/15/04	Pike Island	Mg (mg/L)	10.61			8.82						
09/29/04	Pike Island	Mg (mg/L)	6.28			4.90						
11/04/04	Pike Island	Mg (mg/L)	10.41			9.43						
01/20/05	Pike Island	Mg (mg/L)	6.44			6.69						
03/16/05	Pike Island	Mg (mg/L)	7.74			7.60						
05/12/05	Pike Island	Mg (mg/L)	8.59			8.51						
07/14/05	Pike Island	Mg (mg/L)	10.97			9.36						
11/04/03	R.C. Byrd	Mg (mg/L)	9.90			<1						
01/13/04	R.C. Byrd	Mg (mg/L)	7.70			6.60						
03/11/04	R.C. Byrd	Mg (mg/L)	5.60			5.10						
05/05/04	R.C. Byrd	Mg (mg/L)	7.40			6.80						
07/13/04	R.C. Byrd	Mg (mg/L)	10.63			10.26						
09/16/04	R.C. Byrd	Mg (mg/L)	7.42			7.06						
11/11/04	R.C. Byrd	Mg (mg/L)	9.00			8.65						
01/04/05	R.C. Byrd	Mg (mg/L)	8.56			8.63						
03/15/05	R.C. Byrd	Mg (mg/L)	7.34			6.49						
05/04/05	R.C. Byrd	Mg (mg/L)	5.85			6.06						
07/12/05	R.C. Byrd	Mg (mg/L)	11.13			10.83						
11/24/03	Smithland	Mg (mg/L)	13.00			7.80						
01/27/04	Smithland	Mg (mg/L)	17.00			14.00						
03/08/04	Smithland	Mg (mg/L)	14.00			13.00						
05/24/04	Smithland	Mg (mg/L)	15.00			13.00						
07/06/04	Smithland	Mg (mg/L)	12.68			12.42						
09/08/04	Smithland	Mg (mg/L)	13.65			13.01						
11/16/04	Smithland	Mg (mg/L)	11.93			10.11						
01/27/05	Smithland	Mg (mg/L)	9.62			9.14						
03/21/05	Smithland	Mg (mg/L)	14.92			13.27						
05/24/05	Smithland	Mg (mg/L)	12.65			12.93						
07/12/05	Smithland	Mg (mg/L)	12.85			13.25						
11/20/03	West Point	Mg (mg/L)	11.10			6.20						
01/29/04	West Point	Mg (mg/L)	15.00			10.70						
03/09/04	West Point	Mg (mg/L)	11.00			9.90						
05/25/04	West Point	Mg (mg/L)	15.00			13.00						
07/07/04	West Point	Mg (mg/L)	12.35			12.03						
09/09/04	West Point	Mg (mg/L)	12.34			12.04						
11/17/04	West Point	Mg (mg/L)	9.59			10.19						
01/27/05	West Point	Mg (mg/L)	10.56			10.04						
03/22/05	West Point	Mg (mg/L)	12.35			12.65						
05/23/05	West Point	Mg (mg/L)	13.30			11.80						
07/13/05	West Point	Mg (mg/L)	15.73			13.40						
11/04/03	Willow Island	Mg (mg/L)	8.00			5.90						
01/13/04	Willow Island	Mg (mg/L)	8.10			6.40						
03/11/04	Willow Island	Mg (mg/L)	5.60			5.50						
05/05/04	Willow Island	Mg (mg/L)	9.40			8.30						
07/13/04	Willow Island	Mg (mg/L)	9.22			9.22						
09/16/04	Willow Island	Mg (mg/L)	6.18			5.06						
11/11/04	Willow Island	Mg (mg/L)	9.58			9.08						
01/04/05	Willow Island	Mg (mg/L)	7.67			7.74						
01/28/05	Willow Island	Mg (mg/L)	9.43			9.46						
02/01/05	Willow Island	Mg (mg/L)	9.35			9.13						
02/03/05	Willow Island	Mg (mg/L)	9.87			9.97						
03/15/05	Willow Island	Mg (mg/L)	8.22			7.92						
05/04/05	Willow Island	Mg (mg/L)	9.13			8.87						
07/12/05	Willow Island	Mg (mg/L)	12.48			11.86						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Mn (ug/L)	880.00			6.12						
01/15/04	Anderson Ferry	Mn (ug/L)	237.00			9.43						
03/10/04	Anderson Ferry	Mn (ug/L)	261.00			6.72						
05/26/04	Anderson Ferry	Mn (ug/L)	254.00			2.34						
07/14/04	Anderson Ferry	Mn (ug/L)	39.58			4.24						
09/29/04	Anderson Ferry	Mn (ug/L)	129.45			12.84						
11/23/04	Anderson Ferry	Mn (ug/L)	143.08			4.79						
01/25/05	Anderson Ferry	Mn (ug/L)	145.39			16.51						
03/24/05	Anderson Ferry	Mn (ug/L)	74.23			33.80						
05/23/05	Anderson Ferry	Mn (ug/L)	115.01			15.60						
07/13/05	Anderson Ferry	Mn (ug/L)	49.42			4.56						
11/04/03	Belleville	Mn (ug/L)	30.00			14.36						
01/13/04	Belleville	Mn (ug/L)	240.00			79.00						
03/11/04	Belleville	Mn (ug/L)	259.00			36.00						
05/05/04	Belleville	Mn (ug/L)	62.00			16.90						
07/13/04	Belleville	Mn (ug/L)	36.89			16.43						
09/16/04	Belleville	Mn (ug/L)	134.04			2.41						
11/11/04	Belleville	Mn (ug/L)	46.67			1.39						
01/04/05	Belleville	Mn (ug/L)	195.52			48.05						
01/28/05	Belleville	Mn (ug/L)	248.44			83.99						
02/01/05	Belleville	Mn (ug/L)	179.16			81.59						
02/03/05	Belleville	Mn (ug/L)	174.38			103.51						
03/15/05	Belleville	Mn (ug/L)	122.69			90.77						
05/04/05	Belleville	Mn (ug/L)	101.88			3.93						
07/12/05	Belleville	Mn (ug/L)	41.38			0.65						
11/24/03	Cannelton	Mn (ug/L)	160.00			2.90						
01/14/04	Cannelton	Mn (ug/L)	413.00			5.30						
03/09/04	Cannelton	Mn (ug/L)	330.00			4.71						
05/25/04	Cannelton	Mn (ug/L)	173.00			1.10						
07/07/04	Cannelton	Mn (ug/L)	29.44			2.30						
09/09/04	Cannelton	Mn (ug/L)	24.86			4.99						
11/17/04	Cannelton	Mn (ug/L)	103.31			1.52						
01/26/05	Cannelton	Mn (ug/L)	273.85			2.85						
03/22/05	Cannelton	Mn (ug/L)	52.07			6.90						
05/23/05	Cannelton	Mn (ug/L)	64.57			1.71						
07/13/05	Cannelton	Mn (ug/L)	41.50			2.75						
01/15/04	Greenup	Mn (ug/L)	188.00			41.00						
03/11/04	Greenup	Mn (ug/L)	329.00			15.49						
05/26/04	Greenup	Mn (ug/L)	483.00			1.75						
07/14/04	Greenup	Mn (ug/L)	39.32			2.51						
09/29/04	Greenup	Mn (ug/L)	105.52			3.34						
11/23/04	Greenup	Mn (ug/L)	144.43			8.61						
01/26/05	Greenup	Mn (ug/L)	515.48			49.00						
03/23/05	Greenup	Mn (ug/L)	224.80			68.75						
05/24/05	Greenup	Mn (ug/L)	44.06			5.99						
07/14/05	Greenup	Mn (ug/L)	27.49			3.57						
11/12/03	Hannibal	Mn (ug/L)	175.00			48.00						
01/26/04	Hannibal	Mn (ug/L)	294.00			291.00						
03/04/04	Hannibal	Mn (ug/L)	297.00			205.00						
05/12/04	Hannibal	Mn (ug/L)	71.00			2.10						
07/15/04	Hannibal	Mn (ug/L)	44.37			4.14						
09/23/04	Hannibal	Mn (ug/L)	313.90			2.99						
11/04/04	Hannibal	Mn (ug/L)	89.96			45.34						
01/20/05	Hannibal	Mn (ug/L)	213.10			110.67						
03/16/05	Hannibal	Mn (ug/L)	175.60			141.81						
05/12/05	Hannibal	Mn (ug/L)	74.60			2.85						
07/14/05	Hannibal	Mn (ug/L)	50.80			0.56						
11/24/03	J.T. Myers	Mn (ug/L)	501.00			1.37						
01/27/04	J.T. Myers	Mn (ug/L)	177.00			10.43						
03/08/04	J.T. Myers	Mn (ug/L)	220.00			2.53						
05/24/04	J.T. Myers	Mn (ug/L)	252.00			0.48						
07/06/04	J.T. Myers	Mn (ug/L)	44.67			2.25						
09/08/04	J.T. Myers	Mn (ug/L)	34.96			2.49						
11/16/04	J.T. Myers	Mn (ug/L)	240.39			1.21						
01/26/05	J.T. Myers	Mn (ug/L)	174.41			4.85						
03/21/05	J.T. Myers	Mn (ug/L)	92.97			9.54						
05/24/05	J.T. Myers	Mn (ug/L)	135.51			0.59						
07/12/05	J.T. Myers	Mn (ug/L)	43.10			0.85						
11/24/03	L&D 52	Mn (ug/L)	410.00			1.40						
01/27/04	L&D 52	Mn (ug/L)	250.00			39.00						
03/08/04	L&D 52	Mn (ug/L)	196.00			2.90						
05/24/04	L&D 52	Mn (ug/L)	127.00			3.30						
07/06/04	L&D 52	Mn (ug/L)	70.38			10.94						
09/08/04	L&D 52	Mn (ug/L)	39.06			1.14						
11/16/04	L&D 52	Mn (ug/L)	217.26			6.22						
01/27/05	L&D 52	Mn (ug/L)	97.86			6.64						
03/21/05	L&D 52	Mn (ug/L)	143.10			28.57						
05/24/05	L&D 52	Mn (ug/L)	97.60			4.54						
07/12/05	L&D 52	Mn (ug/L)	55.34			4.18						
11/20/03	Louisville	Mn (ug/L)	189.00			4.51						
01/29/04	Louisville	Mn (ug/L)	105.00			44.70						
03/09/04	Louisville	Mn (ug/L)	276.00			6.01						
05/25/04	Louisville	Mn (ug/L)	357.00			4.83						
07/07/04	Louisville	Mn (ug/L)	54.24			17.58						
09/09/04	Louisville	Mn (ug/L)	42.82			8.91						
11/17/04	Louisville	Mn (ug/L)	57.30			12.05						
01/26/05	Louisville	Mn (ug/L)	183.85			8.29						
03/22/05	Louisville	Mn (ug/L)	50.67			22.24						
05/23/05	Louisville	Mn (ug/L)	121.96			28.10						
07/13/05	Louisville	Mn (ug/L)	36.11			9.05						
11/20/03	Markland	Mn (ug/L)	143.00			3.84						
01/14/04	Markland	Mn (ug/L)	317.00			1.90						
03/10/04	Markland	Mn (ug/L)	770.00			5.14						
05/26/04	Markland	Mn (ug/L)	320.00			5.41						
07/15/04	Markland	Mn (ug/L)	29.51			4.50						
09/09/04	Markland	Mn (ug/L)	50.50			3.12						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/17/04	Markland	Mn (ug/L)	57.58			2.47						
01/26/05	Markland	Mn (ug/L)	141.05			7.12						
03/24/05	Markland	Mn (ug/L)	113.43			10.66						
05/23/05	Markland	Mn (ug/L)	50.49			3.81						
07/13/05	Markland	Mn (ug/L)	39.30			0.39						
01/15/04	Meldahl	Mn (ug/L)	209.00			9.97						
03/11/04	Meldahl	Mn (ug/L)	375.00			4.69						
05/26/04	Meldahl	Mn (ug/L)	474.00			0.97						
07/15/04	Meldahl	Mn (ug/L)	24.53			2.58						
09/29/04	Meldahl	Mn (ug/L)	73.97			4.06						
11/23/04	Meldahl	Mn (ug/L)	98.13			2.30						
01/25/05	Meldahl	Mn (ug/L)	169.04			12.63						
03/23/05	Meldahl	Mn (ug/L)	45.33			25.24						
05/24/05	Meldahl	Mn (ug/L)	44.45			3.75						
07/14/05	Meldahl	Mn (ug/L)	293.06			0.95						
11/12/03	New Cumberland	Mn (ug/L)	86.00			43.00						
01/26/04	New Cumberland	Mn (ug/L)	326.00			235.00						
03/04/04	New Cumberland	Mn (ug/L)	288.00			203.00						
05/12/04	New Cumberland	Mn (ug/L)	110.00			13.47						
07/15/04	New Cumberland	Mn (ug/L)	56.22			2.11						
09/26/04	New Cumberland	Mn (ug/L)	140.42			7.42						
11/04/04	New Cumberland	Mn (ug/L)	81.06			20.78						
01/20/05	New Cumberland	Mn (ug/L)	180.97			128.57						
03/16/05	New Cumberland	Mn (ug/L)	174.67			160.92						
05/12/05	New Cumberland	Mn (ug/L)	98.52			7.35						
07/14/05	New Cumberland	Mn (ug/L)	71.46			0.40						
11/24/03	Newburgh	Mn (ug/L)	740.00			1.25						
01/28/04	Newburgh	Mn (ug/L)	171.00			38.00						
03/09/04	Newburgh	Mn (ug/L)	328.00			1.45						
05/25/04	Newburgh	Mn (ug/L)	200.00			0.63						
07/07/04	Newburgh	Mn (ug/L)	40.47			3.49						
09/09/04	Newburgh	Mn (ug/L)	24.51			0.65						
11/17/04	Newburgh	Mn (ug/L)	163.68			4.28						
01/26/05	Newburgh	Mn (ug/L)	270.33			15.73						
03/22/05	Newburgh	Mn (ug/L)	75.18			11.22						
05/23/05	Newburgh	Mn (ug/L)	458.50			1.92						
07/13/05	Newburgh	Mn (ug/L)	29.45			0.57						
11/12/03	Pike Island	Mn (ug/L)	110.00			28.00						
01/26/04	Pike Island	Mn (ug/L)	286.00			240.00						
03/04/04	Pike Island	Mn (ug/L)	334.00			217.00						
05/12/04	Pike Island	Mn (ug/L)	102.00			1.30						
07/15/04	Pike Island	Mn (ug/L)	50.73			6.36						
09/29/04	Pike Island	Mn (ug/L)	320.44			3.79						
11/04/04	Pike Island	Mn (ug/L)	78.30			21.48						
01/20/05	Pike Island	Mn (ug/L)	204.28			118.50						
03/16/05	Pike Island	Mn (ug/L)	168.64			141.05						
05/12/05	Pike Island	Mn (ug/L)	82.25			6.22						
07/14/05	Pike Island	Mn (ug/L)	60.07			0.62						
11/04/03	R.C. Byrd	Mn (ug/L)	120.00			<0.1						
01/13/04	R.C. Byrd	Mn (ug/L)	165.00			67.00						
03/11/04	R.C. Byrd	Mn (ug/L)	139.00			18.70						
05/05/04	R.C. Byrd	Mn (ug/L)	273.00			186.00						
07/13/04	R.C. Byrd	Mn (ug/L)	157.53			95.18						
09/16/04	R.C. Byrd	Mn (ug/L)	114.09			37.09						
11/11/04	R.C. Byrd	Mn (ug/L)	163.43			78.42						
01/04/05	R.C. Byrd	Mn (ug/L)	120.06			57.95						
03/15/05	R.C. Byrd	Mn (ug/L)	104.41			68.73						
05/04/05	R.C. Byrd	Mn (ug/L)	90.98			58.53						
07/12/05	R.C. Byrd	Mn (ug/L)	123.46			41.35						
11/24/03	Smithland	Mn (ug/L)	473.00			1.14						
01/27/04	Smithland	Mn (ug/L)	147.00			9.18						
03/08/04	Smithland	Mn (ug/L)	219.00			4.94						
05/24/04	Smithland	Mn (ug/L)	138.00			2.22						
07/06/04	Smithland	Mn (ug/L)	38.82			1.91						
09/08/04	Smithland	Mn (ug/L)	37.34			1.99						
11/16/04	Smithland	Mn (ug/L)	258.97			3.01						
01/27/05	Smithland	Mn (ug/L)	118.46			5.21						
03/21/05	Smithland	Mn (ug/L)	70.30			4.59						
05/24/05	Smithland	Mn (ug/L)	58.57			1.66						
07/12/05	Smithland	Mn (ug/L)	35.12			0.87						
11/20/03	West Point	Mn (ug/L)	355.00			7.05						
01/29/04	West Point	Mn (ug/L)	168.00			68.00						
03/09/04	West Point	Mn (ug/L)	269.00			3.64						
05/25/04	West Point	Mn (ug/L)	300.00			2.78						
07/07/04	West Point	Mn (ug/L)	86.93			42.28						
09/09/04	West Point	Mn (ug/L)	65.69			24.43						
11/17/04	West Point	Mn (ug/L)	123.75			7.92						
01/27/05	West Point	Mn (ug/L)	217.08			18.35						
03/22/05	West Point	Mn (ug/L)	80.60			39.38						
05/23/05	West Point	Mn (ug/L)	157.25			7.21						
07/13/05	West Point	Mn (ug/L)	85.70			43.21						
11/04/03	Willow Island	Mn (ug/L)	53.00			14.36						
01/13/04	Willow Island	Mn (ug/L)	260.00			131.00						
03/11/04	Willow Island	Mn (ug/L)	236.00			57.00						
05/05/04	Willow Island	Mn (ug/L)	89.00			57.00						
07/13/04	Willow Island	Mn (ug/L)	26.59			3.35						
09/16/04	Willow Island	Mn (ug/L)	78.29			3.47						
11/11/04	Willow Island	Mn (ug/L)	46.14			2.78						
01/04/05	Willow Island	Mn (ug/L)	185.32			80.32						
01/28/05	Willow Island	Mn (ug/L)	208.85			176.56						
02/01/05	Willow Island	Mn (ug/L)	232.42			162.63						
02/03/05	Willow Island	Mn (ug/L)	213.76			186.53						
03/15/05	Willow Island	Mn (ug/L)	148.37			119.54						
05/04/05	Willow Island	Mn (ug/L)	79.07			19.65						
07/12/05	Willow Island	Mn (ug/L)	35.78			0.50						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Ni (ug/L)	24.40	610	ok	1.12	48.23	438.19	ok			
01/15/04	Anderson Ferry	Ni (ug/L)	5.76	610	ok	1.65	48.04	436.41	ok			
03/10/04	Anderson Ferry	Ni (ug/L)	8.60	610	ok	1.37	43.79	397.79	ok			
05/26/04	Anderson Ferry	Ni (ug/L)	6.77	610	ok	1.29	58.99	535.93	ok			
07/14/04	Anderson Ferry	Ni (ug/L)	1.98	610	ok	1.30	63.88	580.30	ok			
09/29/04	Anderson Ferry	Ni (ug/L)	4.59	610	ok	1.52	47.08	427.73	ok			
11/23/04	Anderson Ferry	Ni (ug/L)	4.78	610	ok	1.22	58.34	530.05	ok			
01/25/05	Anderson Ferry	Ni (ug/L)	5.84	610	ok	1.48	54.09	491.43	ok			
03/24/05	Anderson Ferry	Ni (ug/L)	3.03	610	ok	1.44	66.12	600.72	ok			
05/23/05	Anderson Ferry	Ni (ug/L)	3.62	610	ok	1.36	73.93	671.60	ok			
07/13/05	Anderson Ferry	Ni (ug/L)	2.15	610	ok	1.84			insufficient data			
11/04/03	Belleville	Ni (ug/L)	2.50	610	ok	2.00	56.71	515.20	ok			
01/13/04	Belleville	Ni (ug/L)	6.06	610	ok	3.10	53.48	485.89	ok			
03/11/04	Belleville	Ni (ug/L)	6.48	610	ok	2.28	49.14	446.41	ok			
05/05/04	Belleville	Ni (ug/L)	3.05	610	ok	2.25	69.59	632.17	ok			
07/13/04	Belleville	Ni (ug/L)	1.72	610	ok	1.64	70.98	644.82	ok			
09/16/04	Belleville	Ni (ug/L)	4.23	610	ok	1.78	48.03	436.31	ok			
11/11/04	Belleville	Ni (ug/L)	4.02	610	ok	1.78	75.98	690.29	ok			
01/04/05	Belleville	Ni (ug/L)	5.01	610	ok	2.58	59.85	543.75	ok			
01/28/05	Belleville	Ni (ug/L)	7.62	610	ok	3.87			insufficient data			
02/01/05	Belleville	Ni (ug/L)	6.13	610	ok	4.00			insufficient data			
02/03/05	Belleville	Ni (ug/L)	6.28	610	ok	4.67			insufficient data			
03/15/05	Belleville	Ni (ug/L)	4.14	610	ok	2.99	67.56	613.78	ok			
05/04/05	Belleville	Ni (ug/L)	3.48	610	ok	2.19	69.94	635.40	ok			
07/12/05	Belleville	Ni (ug/L)	1.81	610	ok	1.71	69.35	630.01	ok			
11/24/03	Cannelton	Ni (ug/L)	5.85	610	ok	1.14	49.50	449.69	ok			
01/14/04	Cannelton	Ni (ug/L)	9.28	610	ok	1.41	49.69	451.46	ok			
03/09/04	Cannelton	Ni (ug/L)	8.82	610	ok	1.62	68.92	626.11	ok			
05/25/04	Cannelton	Ni (ug/L)	5.26	610	ok	0.90	70.25	638.21	ok			
07/07/04	Cannelton	Ni (ug/L)	2.50	610	ok	1.12	67.27	611.16	ok			
09/09/04	Cannelton	Ni (ug/L)	1.55	610	ok	1.18	67.72	615.26	ok			
11/17/04	Cannelton	Ni (ug/L)	4.60	610	ok	1.19	73.80	670.46	ok			
01/26/05	Cannelton	Ni (ug/L)	8.08	610	ok	1.37	59.13	537.18	ok			
03/22/05	Cannelton	Ni (ug/L)	2.67	610	ok	1.27	67.17	610.26	ok			
05/23/05	Cannelton	Ni (ug/L)	2.22	610	ok	0.96	105.35	957.10	ok			
07/13/05	Cannelton	Ni (ug/L)	1.74	610	ok	1.58	67.39	612.18	ok			
01/15/04	Greenup	Ni (ug/L)	5.09	610	ok	2.40	42.66	387.58	ok			
03/11/04	Greenup	Ni (ug/L)	7.42	610	ok	1.48	44.51	404.36	ok			
05/26/04	Greenup	Ni (ug/L)	11.18	610	ok	1.43	53.30	484.21	ok			
07/14/04	Greenup	Ni (ug/L)	1.89	610	ok	1.33	65.17	592.10	ok			
09/29/04	Greenup	Ni (ug/L)	3.66	610	ok	1.53	51.13	464.51	ok			
11/23/04	Greenup	Ni (ug/L)	4.44	610	ok	1.24	52.48	476.73	ok			
01/26/05	Greenup	Ni (ug/L)	10.26	610	ok	2.49	53.42	485.34	ok			
03/23/05	Greenup	Ni (ug/L)	5.28	610	ok	2.24	60.24	547.24	ok			
05/24/05	Greenup	Ni (ug/L)	1.92	610	ok	1.49	61.23	556.27	ok			
07/14/05	Greenup	Ni (ug/L)	1.42	610	ok	1.48	58.13	528.07	ok			
11/12/03	Hannibal	Ni (ug/L)	5.54	610	ok	1.30	38.36	348.45	ok			
01/26/04	Hannibal	Ni (ug/L)	9.28	610	ok	8.28	74.35	675.41	ok			
03/04/04	Hannibal	Ni (ug/L)	9.21	610	ok	5.48	55.82	507.07	ok			
05/12/04	Hannibal	Ni (ug/L)	3.10	610	ok	2.20	47.86	434.76	ok			
07/15/04	Hannibal	Ni (ug/L)	2.31	610	ok	1.80	65.40	594.15	ok			
09/23/04	Hannibal	Ni (ug/L)	8.54	610	ok	2.90	45.30	411.53	ok			
11/04/04	Hannibal	Ni (ug/L)	5.40	610	ok	3.56	70.11	636.95	ok			
01/20/05	Hannibal	Ni (ug/L)	7.16	610	ok	3.80	47.00	427.02	ok			
03/16/05	Hannibal	Ni (ug/L)	6.07	610	ok	4.69	55.51	504.25	ok			
05/12/05	Hannibal	Ni (ug/L)	3.42	610	ok	2.57	60.46	549.23	ok			
07/14/05	Hannibal	Ni (ug/L)	1.95	610	ok	1.89	69.24	628.98	ok			
11/24/03	J.T. Myers	Ni (ug/L)	13.20	610	ok	1.16	45.29	411.42	ok			
01/27/04	J.T. Myers	Ni (ug/L)	5.08	610	ok	1.43	66.85	607.30	ok			
03/08/04	J.T. Myers	Ni (ug/L)	6.44	610	ok	1.34	72.67	660.15	ok			
05/24/04	J.T. Myers	Ni (ug/L)	6.63	610	ok	0.80	69.22	628.85	ok			
07/06/04	J.T. Myers	Ni (ug/L)	1.97	610	ok	1.16	65.63	596.22	ok			
09/08/04	J.T. Myers	Ni (ug/L)	1.71	610	ok	1.24	71.10	645.95	ok			
11/16/04	J.T. Myers	Ni (ug/L)	7.69	610	ok	1.36	68.61	623.34	ok			
01/26/05	J.T. Myers	Ni (ug/L)	5.56	610	ok	1.22	56.91	516.98	ok			
03/21/05	J.T. Myers	Ni (ug/L)	3.68	610	ok	1.15	64.46	585.62	ok			
05/24/05	J.T. Myers	Ni (ug/L)	3.11	610	ok	1.02	69.29	629.51	ok			
07/12/05	J.T. Myers	Ni (ug/L)	1.57	610	ok	1.24	64.57	586.58	ok			
11/24/03	L&D 52	Ni (ug/L)	12.70	610	ok	1.45	61.63	559.90	ok			
01/27/04	L&D 52	Ni (ug/L)	7.46	610	ok	1.36	78.69	714.92	ok			
03/08/04	L&D 52	Ni (ug/L)	5.69	610	ok	1.42	79.05	718.16	ok			
05/24/04	L&D 52	Ni (ug/L)	3.71	610	ok	1.15	76.02	690.61	ok			
07/06/04	L&D 52	Ni (ug/L)	2.30	610	ok	0.88	66.98	608.49	ok			
09/08/04	L&D 52	Ni (ug/L)	2.11	610	ok	1.32	73.66	669.22	ok			
11/16/04	L&D 52	Ni (ug/L)	6.93	610	ok	1.54	73.90	671.33	ok			
01/27/05	L&D 52	Ni (ug/L)	4.52	610	ok	1.34	53.64	487.26	ok			
03/21/05	L&D 52	Ni (ug/L)	4.27	610	ok	1.11	79.19	719.43	ok			
05/24/05	L&D 52	Ni (ug/L)	3.32	610	ok	1.01	74.83	679.79	ok			
07/12/05	L&D 52	Ni (ug/L)	1.84	610	ok	1.28	69.95	635.49	ok			
11/20/03	Louisville	Ni (ug/L)	6.27	610	ok	1.19	56.36	512.00	ok			
01/29/04	Louisville	Ni (ug/L)	3.06	610	ok	1.53	64.58	586.69	ok			
03/09/04	Louisville	Ni (ug/L)	8.58	610	ok	1.53	66.85	607.30	ok			
05/25/04	Louisville	Ni (ug/L)	10.28	610	ok	1.29	72.38	657.52	ok			
07/07/04	Louisville	Ni (ug/L)	2.29	610	ok	1.31	65.87	598.43	ok			
09/09/04	Louisville	Ni (ug/L)	1.77	610	ok	1.32	66.63	605.33	ok			
11/17/04	Louisville	Ni (ug/L)	3.23	610	ok	1.05	73.21	665.09	ok			
01/26/05	Louisville	Ni (ug/L)	5.61	610	ok	1.47	59.22	538.01	ok			
03/22/05	Louisville	Ni (ug/L)	2.45	610	ok	1.52	66.88	607.63	ok			
05/23/05	Louisville	Ni (ug/L)	3.12	610	ok	1.07	68.29	620.37	ok			
07/13/05	Louisville	Ni (ug/L)	1.93	610	ok	1.53	70.75	642.70	ok			
11/20/03	Markland	Ni (ug/L)	5.37	610	ok	1.23	50.23	456.37	ok			
01/14/04	Markland	Ni (ug/L)	7.21	610	ok	1.42	49.14	446.41	ok			
03/10/04	Markland	Ni (ug/L)	20.00	610	ok	1.59	50.04	454.61	ok			
05/26/04	Markland	Ni (ug/L)	8.43	610	ok	1.43	63.37	575.74	ok			
07/15/04	Markland	Ni (ug/L)	1.73	610	ok	1.27	65.05	590.94	ok			
09/09/04	Markland	Ni (ug/L)	2.13	610	ok	1.42	76.56	695.51	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Ni (ug/L)	3.48	610	ok	1.30	71.74	651.70	ok			
01/26/05	Markland	Ni (ug/L)	4.74	610	ok	1.82	55.20	501.46	ok			
03/24/05	Markland	Ni (ug/L)	3.87	610	ok	1.33	67.94	617.25	ok			
05/23/05	Markland	Ni (ug/L)	2.43	610	ok	1.27	72.39	657.67	ok			
07/13/05	Markland	Ni (ug/L)	1.68	610	ok	1.51	70.83	643.47	ok			
01/15/04	Meldahl	Ni (ug/L)	5.93	610	ok	1.81	45.64	414.63	ok			
03/11/04	Meldahl	Ni (ug/L)	9.33	610	ok	1.49	47.66	432.99	ok			
05/26/04	Meldahl	Ni (ug/L)	11.64	610	ok	1.41	59.70	542.39	ok			
07/15/04	Meldahl	Ni (ug/L)	1.64	610	ok	1.17	60.49	549.58	ok			
09/29/04	Meldahl	Ni (ug/L)	3.43	610	ok	1.31	45.71	415.24	ok			
11/23/04	Meldahl	Ni (ug/L)	3.82	610	ok	1.28	57.31	520.61	ok			
01/25/05	Meldahl	Ni (ug/L)	6.18	610	ok	1.80	53.39	485.05	ok			
03/23/05	Meldahl	Ni (ug/L)	2.33	610	ok	1.61	62.74	569.93	ok			
05/24/05	Meldahl	Ni (ug/L)	1.90	610	ok	1.17	60.74	551.81	ok			
07/14/05	Meldahl	Ni (ug/L)	4.19	610	ok	1.59	63.86	580.11	ok			
11/12/03	New Cumberland	Ni (ug/L)	3.37	610	ok	2.11	38.54	350.17	ok			
01/26/04	New Cumberland	Ni (ug/L)	10.24	610	ok	6.92	62.00	563.29	ok			
03/04/04	New Cumberland	Ni (ug/L)	8.90	610	ok	5.28	53.85	489.24	ok			
05/12/04	New Cumberland	Ni (ug/L)	3.85	610	ok	3.06	50.23	456.37	ok			
07/15/04	New Cumberland	Ni (ug/L)	2.58	610	ok	1.85	61.23	556.21	ok			
09/26/04	New Cumberland	Ni (ug/L)	5.46	610	ok	3.34	41.74	379.21	ok			
11/04/04	New Cumberland	Ni (ug/L)	4.31	610	ok	2.87	57.85	525.54	ok			
01/20/05	New Cumberland	Ni (ug/L)	6.54	610	ok	4.57	44.56	404.79	ok			
03/16/05	New Cumberland	Ni (ug/L)	6.13	610	ok	5.81	105.27	956.32	ok			
05/12/05	New Cumberland	Ni (ug/L)	3.75	610	ok	2.85	50.61	459.82	ok			
07/14/05	New Cumberland	Ni (ug/L)	1.97	610	ok	1.69	32.45	294.77	ok			
11/24/03	Newburgh	Ni (ug/L)	17.80	610	ok	1.10	50.95	462.90	ok			
01/28/04	Newburgh	Ni (ug/L)	4.47	610	ok	1.49	71.94	653.57	ok			
03/09/04	Newburgh	Ni (ug/L)	9.06	610	ok	1.52	69.59	632.17	ok			
05/25/04	Newburgh	Ni (ug/L)	5.25	610	ok	1.20	73.99	672.14	ok			
07/07/04	Newburgh	Ni (ug/L)	1.81	610	ok	1.21	66.16	601.01	ok			
09/09/04	Newburgh	Ni (ug/L)	1.70	610	ok	1.35	71.27	647.43	ok			
11/17/04	Newburgh	Ni (ug/L)	5.79	610	ok	1.24	73.40	666.85	ok			
01/26/05	Newburgh	Ni (ug/L)	7.83	610	ok	1.60	61.00	554.13	ok			
03/22/05	Newburgh	Ni (ug/L)	3.12	610	ok	1.12	65.58	595.75	ok			
05/23/05	Newburgh	Ni (ug/L)	10.51	610	ok	1.15	68.96	626.44	ok			
07/13/05	Newburgh	Ni (ug/L)	1.58	610	ok	1.51	64.14	582.70	ok			
11/12/03	Pike Island	Ni (ug/L)	3.92	610	ok	1.96	38.92	353.60	ok			
01/26/04	Pike Island	Ni (ug/L)	9.56	610	ok	8.11	58.44	530.92	ok			
03/04/04	Pike Island	Ni (ug/L)	10.07	610	ok	5.98	55.99	508.67	ok			
05/12/04	Pike Island	Ni (ug/L)	3.94	610	ok	2.70	55.09	500.52	ok			
07/15/04	Pike Island	Ni (ug/L)	2.47	610	ok	1.78	61.53	558.99	ok			
09/29/04	Pike Island	Ni (ug/L)	8.50	610	ok	2.67	37.56	341.25	ok			
11/04/04	Pike Island	Ni (ug/L)	4.91	610	ok	3.15	62.10	564.20	ok			
01/20/05	Pike Island	Ni (ug/L)	6.75	610	ok	4.56	44.79	406.91	ok			
03/16/05	Pike Island	Ni (ug/L)	6.49	610	ok	5.43	53.03	481.73	ok			
05/12/05	Pike Island	Ni (ug/L)	3.45	610	ok	2.71	55.14	500.96	ok			
07/14/05	Pike Island	Ni (ug/L)	1.99	610	ok	1.83	60.32	547.98	ok			
11/04/03	R.C. Byrd	Ni (ug/L)	2.82	610	ok	<0.1			ok			
01/13/04	R.C. Byrd	Ni (ug/L)	4.60	610	ok	2.31	44.72	406.29	ok			
03/11/04	R.C. Byrd	Ni (ug/L)	3.87	610	ok	1.33	35.06	318.49	ok			
05/05/04	R.C. Byrd	Ni (ug/L)	4.70	610	ok	1.27	45.09	409.63	ok			
07/13/04	R.C. Byrd	Ni (ug/L)	3.52	610	ok	1.31	63.42	576.19	ok			
09/16/04	R.C. Byrd	Ni (ug/L)	3.42	610	ok	1.60	49.43	449.03	ok			
11/11/04	R.C. Byrd	Ni (ug/L)	4.02	610	ok	1.50	60.75	551.90	ok			
01/04/05	R.C. Byrd	Ni (ug/L)	3.43	610	ok	2.09	52.29	475.04	ok			
03/15/05	R.C. Byrd	Ni (ug/L)	2.70	610	ok	1.40	41.79	379.69	ok			
05/04/05	R.C. Byrd	Ni (ug/L)	2.23	610	ok	1.07	36.57	332.23	ok			
07/12/05	R.C. Byrd	Ni (ug/L)	2.17	610	ok	1.31	59.79	543.17	ok			
11/24/03	Smithland	Ni (ug/L)	13.80	610	ok	1.23	51.31	466.16	ok			
01/27/04	Smithland	Ni (ug/L)	4.44	610	ok	1.24	81.71	742.30	ok			
03/08/04	Smithland	Ni (ug/L)	6.44	610	ok	1.42	78.04	709.00	ok			
05/24/04	Smithland	Ni (ug/L)	3.81	610	ok	1.20	76.02	690.61	ok			
07/06/04	Smithland	Ni (ug/L)	2.14	610	ok	1.18	76.08	691.12	ok			
09/08/04	Smithland	Ni (ug/L)	2.09	610	ok	1.77	75.17	682.89	ok			
11/16/04	Smithland	Ni (ug/L)	7.58	610	ok	1.53	78.39	712.15	ok			
01/27/05	Smithland	Ni (ug/L)	5.65	610	ok	1.27	56.05	509.19	ok			
03/21/05	Smithland	Ni (ug/L)	2.85	610	ok	1.12	76.82	697.85	ok			
05/24/05	Smithland	Ni (ug/L)	2.43	610	ok	1.07	74.21	674.22	ok			
07/12/05	Smithland	Ni (ug/L)	1.37	610	ok	1.27	67.17	610.26	ok			
11/20/03	West Point	Ni (ug/L)	10.80	610	ok	1.29	45.10	409.75	ok			
01/29/04	West Point	Ni (ug/L)	4.57	610	ok	1.93	67.01	608.73	ok			
03/09/04	West Point	Ni (ug/L)	8.52	610	ok	1.71	64.59	586.81	ok			
05/25/04	West Point	Ni (ug/L)	7.91	610	ok	1.20	75.00	681.39	ok			
07/07/04	West Point	Ni (ug/L)	3.43	610	ok	1.95	77.57	704.72	ok			
09/09/04	West Point	Ni (ug/L)	2.38	610	ok	1.75	77.03	699.84	ok			
11/17/04	West Point	Ni (ug/L)	4.85	610	ok	1.37	76.30	693.14	ok			
01/27/05	West Point	Ni (ug/L)	6.60	610	ok	1.68	59.52	540.75	ok			
03/22/05	West Point	Ni (ug/L)	3.40	610	ok	1.78	71.92	653.42	ok			
05/23/05	West Point	Ni (ug/L)	4.39	610	ok	1.22	71.83	652.59	ok			
07/13/05	West Point	Ni (ug/L)	2.89	610	ok	2.52	77.08	700.26	ok			
11/04/03	Willow Island	Ni (ug/L)	3.14	610	ok	1.92	46.78	424.97	ok			
01/13/04	Willow Island	Ni (ug/L)	7.43	610	ok	4.09	46.58	423.18	ok			
03/11/04	Willow Island	Ni (ug/L)	6.22	610	ok	2.67	39.28	356.89	ok			
05/05/04	Willow Island	Ni (ug/L)	3.30	610	ok	2.78	56.52	513.48	ok			
07/13/04	Willow Island	Ni (ug/L)	1.49	610	ok	1.38	59.89	544.10	ok			
09/16/04	Willow Island	Ni (ug/L)	3.40	610	ok	1.84	38.11	346.18	ok			
11/11/04	Willow Island	Ni (ug/L)	4.23	610	ok	2.60	69.32	629.73	ok			
01/04/05	Willow Island	Ni (ug/L)	5.30	610	ok	2.97	50.79	461.39	ok			
01/28/05	Willow Island	Ni (ug/L)	8.12	610	ok	6.73			insufficient data			
02/01/05	Willow Island	Ni (ug/L)	9.07	610	ok	6.67			insufficient data			
02/03/05	Willow Island	Ni (ug/L)	8.01	610	ok	6.93			insufficient data			
03/15/05	Willow Island	Ni (ug/L)	5.49	610	ok	4.29	54.24	492.78	ok			
05/04/05	Willow Island	Ni (ug/L)	3.71	610	ok	2.86	56.11	509.77	ok			
07/12/05	Willow Island	Ni (ug/L)	1.68	610	ok	2.13	71.20	646.80	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Pb (ug/L)	21.70			<0.1	2.31	39.80	ok			
01/15/04	Anderson Ferry	Pb (ug/L)	3.39			<0.1	2.30	39.59	ok			
03/10/04	Anderson Ferry	Pb (ug/L)	4.63			<0.1	2.04	35.12	ok			
05/26/04	Anderson Ferry	Pb (ug/L)	4.18			<0.1	2.99	51.56	ok			
07/14/04	Anderson Ferry	Pb (ug/L)	0.56			<0.1	3.31	57.08	ok			
09/29/04	Anderson Ferry	Pb (ug/L)	2.26			<0.1	2.24	38.58	ok			
11/23/04	Anderson Ferry	Pb (ug/L)	2.00			<0.1	2.95	50.83	ok			
01/25/05	Anderson Ferry	Pb (ug/L)	2.83			<0.1	2.68	46.13	ok			
03/24/05	Anderson Ferry	Pb (ug/L)	1.42			<0.1	3.46	59.65	ok			
05/23/05	Anderson Ferry	Pb (ug/L)	2.16			<0.1	3.99	68.74	ok			
07/13/05	Anderson Ferry	Pb (ug/L)	0.30			<0.1			ok			
11/04/03	Belleville	Pb (ug/L)	0.23			<0.1	2.85	49.02	ok			
01/13/04	Belleville	Pb (ug/L)	2.09			<0.1	2.64	45.46	ok			
03/11/04	Belleville	Pb (ug/L)	3.31			<0.1	2.37	40.77	ok			
05/05/04	Belleville	Pb (ug/L)	0.60			<0.1	3.70	63.65	ok			
07/13/04	Belleville	Pb (ug/L)	0.18			<0.1	3.79	65.28	ok			
09/16/04	Belleville	Pb (ug/L)	1.88			<0.1	2.30	39.58	ok			
11/11/04	Belleville	Pb (ug/L)	0.44			<0.1	4.13	71.17	ok			
01/04/05	Belleville	Pb (ug/L)	1.85			<0.1	3.05	52.52	ok			
01/28/05	Belleville	Pb (ug/L)	2.24			<0.1			insufficient data			
02/01/05	Belleville	Pb (ug/L)	1.35			<0.1			insufficient data			
02/03/05	Belleville	Pb (ug/L)	1.04			<0.1			insufficient data			
03/15/05	Belleville	Pb (ug/L)	0.75			<0.1	3.56	61.31	ok			
05/04/05	Belleville	Pb (ug/L)	0.96			<0.1	3.72	64.07	ok			
07/12/05	Belleville	Pb (ug/L)	0.17			<0.1	3.68	63.38	ok			
11/24/03	Cannelton	Pb (ug/L)	3.58			0.10	2.39	41.15	ok			
01/14/04	Cannelton	Pb (ug/L)	6.67			<0.1	2.40	41.36	ok			
03/09/04	Cannelton	Pb (ug/L)	5.12			<0.1	3.65	62.88	ok			
05/25/04	Cannelton	Pb (ug/L)	3.03			<0.1	3.74	64.43	ok			
07/07/04	Cannelton	Pb (ug/L)	0.40			<0.1	3.54	60.97	ok			
09/09/04	Cannelton	Pb (ug/L)	0.25			<0.1	3.57	61.49	ok			
11/17/04	Cannelton	Pb (ug/L)	1.50			<0.1	3.98	68.59	ok			
01/26/05	Cannelton	Pb (ug/L)	4.87			<0.1	3.00	51.71	ok			
03/22/05	Cannelton	Pb (ug/L)	0.89			<0.1	3.53	60.86	ok			
05/23/05	Cannelton	Pb (ug/L)	1.27			<0.1	6.23	107.33	ok			
07/13/05	Cannelton	Pb (ug/L)	0.25			<0.1	3.55	61.10	ok			
01/15/04	Greenup	Pb (ug/L)	2.03			<0.1	1.97	33.96	ok			
03/11/04	Greenup	Pb (ug/L)	5.70			<0.1	2.08	35.88	ok			
05/26/04	Greenup	Pb (ug/L)	10.23			0.10	2.63	45.26	ok			
07/14/04	Greenup	Pb (ug/L)	0.47			<0.1	3.40	58.56	ok			
09/29/04	Greenup	Pb (ug/L)	1.48			<0.1	2.49	42.91	ok			
11/23/04	Greenup	Pb (ug/L)	1.65			<0.1	2.58	44.37	ok			
01/26/05	Greenup	Pb (ug/L)	7.47			<0.1	2.64	45.40	ok			
03/23/05	Greenup	Pb (ug/L)	1.97			<0.1	3.07	52.95	ok			
05/24/05	Greenup	Pb (ug/L)	0.50			<0.1	3.14	54.07	ok			
07/14/05	Greenup	Pb (ug/L)	<0.1			<0.1	2.94	50.59	ok			
11/12/03	Hannibal	Pb (ug/L)	2.23			<0.1	1.72	29.58	ok			
01/26/04	Hannibal	Pb (ug/L)	0.48			<0.1	4.02	69.23	ok			
03/04/04	Hannibal	Pb (ug/L)	2.31			<0.1	2.79	48.03	ok			
05/12/04	Hannibal	Pb (ug/L)	0.39			<0.1	2.29	39.40	ok			
07/15/04	Hannibal	Pb (ug/L)	0.66			<0.1	3.41	58.82	ok			
09/23/04	Hannibal	Pb (ug/L)	3.63			<0.1	2.13	36.70	ok			
11/04/04	Hannibal	Pb (ug/L)	0.33			<0.1	3.73	64.27	ok			
01/20/05	Hannibal	Pb (ug/L)	1.78			<0.1	2.23	38.50	ok			
03/16/05	Hannibal	Pb (ug/L)	0.74			<0.1	2.77	47.68	ok			
05/12/05	Hannibal	Pb (ug/L)	0.42			<0.1	3.09	53.20	ok			
07/14/05	Hannibal	Pb (ug/L)	0.18			<0.1	3.67	63.25	ok			
11/24/03	J.T. Myers	Pb (ug/L)	8.19			<0.1	2.13	36.69	ok			
01/27/04	J.T. Myers	Pb (ug/L)	2.47			<0.1	3.51	60.48	ok			
03/08/04	J.T. Myers	Pb (ug/L)	3.79			<0.1	3.90	67.25	ok			
05/24/04	J.T. Myers	Pb (ug/L)	3.96			<0.1	3.67	63.23	ok			
07/06/04	J.T. Myers	Pb (ug/L)	0.51			<0.1	3.43	59.08	ok			
09/08/04	J.T. Myers	Pb (ug/L)	0.52			<0.1	3.80	65.42	ok			
11/16/04	J.T. Myers	Pb (ug/L)	3.90			<0.1	3.63	62.52	ok			
01/26/05	J.T. Myers	Pb (ug/L)	3.26			<0.1	2.86	49.23	ok			
03/21/05	J.T. Myers	Pb (ug/L)	1.53			<0.1	3.35	57.74	ok			
05/24/05	J.T. Myers	Pb (ug/L)	1.88			<0.1	3.68	63.31	ok			
07/12/05	J.T. Myers	Pb (ug/L)	0.25			<0.1	3.36	57.87	ok			
11/24/03	L&D 52	Pb (ug/L)	7.60			<0.1	3.17	54.53	ok			
01/27/04	L&D 52	Pb (ug/L)	4.31			<0.1	4.32	74.40	ok			
03/08/04	L&D 52	Pb (ug/L)	3.75			<0.1	4.34	74.83	ok			
05/24/04	L&D 52	Pb (ug/L)	1.91			<0.1	4.13	71.21	ok			
07/06/04	L&D 52	Pb (ug/L)	0.90			<0.1	3.52	60.63	ok			
09/08/04	L&D 52	Pb (ug/L)	0.49			<0.1	3.97	68.43	ok			
11/16/04	L&D 52	Pb (ug/L)	3.32			0.11	3.99	68.70	ok			
01/27/05	L&D 52	Pb (ug/L)	2.75			<0.1	2.65	45.63	ok			
03/21/05	L&D 52	Pb (ug/L)	2.07			<0.1	4.35	74.99	ok			
05/24/05	L&D 52	Pb (ug/L)	1.98			<0.1	4.05	69.80	ok			
07/12/05	L&D 52	Pb (ug/L)	0.44			<0.1	3.72	64.08	ok			
11/20/03	Louisville	Pb (ug/L)	3.14			<0.1	2.82	48.63	ok			
01/29/04	Louisville	Pb (ug/L)	1.13			<0.1	3.36	57.88	ok			
03/09/04	Louisville	Pb (ug/L)	4.98			<0.1	3.51	60.48	ok			
05/25/04	Louisville	Pb (ug/L)	5.90			<0.1	3.88	66.91	ok			
07/07/04	Louisville	Pb (ug/L)	0.70			<0.1	3.45	59.36	ok			
09/09/04	Louisville	Pb (ug/L)	0.49			<0.1	3.50	60.23	ok			
11/17/04	Louisville	Pb (ug/L)	0.92			<0.1	3.94	67.89	ok			
01/26/05	Louisville	Pb (ug/L)	3.10			<0.1	3.01	51.81	ok			
03/22/05	Louisville	Pb (ug/L)	0.66			<0.1	3.51	60.52	ok			
05/23/05	Louisville	Pb (ug/L)	1.64			<0.1	3.61	62.15	ok			
07/13/05	Louisville	Pb (ug/L)	0.30			<0.1	3.77	65.00	ok			
11/20/03	Markland	Pb (ug/L)	2.72			<0.1	2.43	41.94	ok			
01/14/04	Markland	Pb (ug/L)	4.68			<0.1	2.37	40.77	ok			
03/10/04	Markland	Pb (ug/L)	13.06			<0.1	2.42	41.73	ok			
05/26/04	Markland	Pb (ug/L)	5.12			<0.1	3.28	56.50	ok			
07/15/04	Markland	Pb (ug/L)	0.40			<0.1	3.39	58.41	ok			
09/09/04	Markland	Pb (ug/L)	0.57			<0.1	4.17	71.85	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Pb (ug/L)	0.84			<0.1	3.84	66.16	ok			
01/26/05	Markland	Pb (ug/L)	2.56			<0.1	2.75	47.35	ok			
03/24/05	Markland	Pb (ug/L)	1.69			<0.1	3.58	61.75	ok			
05/23/05	Markland	Pb (ug/L)	0.90			<0.1	3.89	66.93	ok			
07/13/05	Markland	Pb (ug/L)	0.18			<0.1	3.78	65.10	ok			
01/15/04	Meldahl	Pb (ug/L)	3.06			<0.1	2.15	37.06	ok			
03/11/04	Meldahl	Pb (ug/L)	6.17			<0.1	2.28	39.19	ok			
05/26/04	Meldahl	Pb (ug/L)	7.80			<0.1	3.04	52.35	ok			
07/15/04	Meldahl	Pb (ug/L)	0.33			<0.1	3.09	53.24	ok			
09/29/04	Meldahl	Pb (ug/L)	1.40			<0.1	2.16	37.13	ok			
11/23/04	Meldahl	Pb (ug/L)	1.30			<0.1	2.88	49.68	ok			
01/25/05	Meldahl	Pb (ug/L)	2.93			<0.1	2.63	45.36	ok			
03/23/05	Meldahl	Pb (ug/L)	0.42			<0.1	3.24	55.78	ok			
05/24/05	Meldahl	Pb (ug/L)	0.58			<0.1	3.11	53.52	ok			
07/14/05	Meldahl	Pb (ug/L)	1.65			<0.1	3.31	57.05	ok			
11/12/03	New Cumberland	Pb (ug/L)	0.41			<0.1	1.73	29.77	ok			
01/26/04	New Cumberland	Pb (ug/L)	0.80			<0.1	3.19	54.95	ok			
03/04/04	New Cumberland	Pb (ug/L)	2.18			<0.1	2.66	45.87	ok			
05/12/04	New Cumberland	Pb (ug/L)	0.56			<0.1	2.43	41.94	ok			
07/15/04	New Cumberland	Pb (ug/L)	0.61			<0.1	3.14	54.07	ok			
09/26/04	New Cumberland	Pb (ug/L)	1.66			<0.1	1.92	33.01	ok			
11/04/04	New Cumberland	Pb (ug/L)	0.48			<0.1	2.92	50.28	ok			
01/20/05	New Cumberland	Pb (ug/L)	1.07			<0.1	2.09	35.93	ok			
03/16/05	New Cumberland	Pb (ug/L)	0.44			<0.1	6.22	107.22	ok			
05/12/05	New Cumberland	Pb (ug/L)	0.38			<0.1	2.46	42.35	ok			
07/14/05	New Cumberland	Pb (ug/L)	0.41			<0.1	1.38	23.78	ok			
11/24/03	Newburgh	Pb (ug/L)	10.90			<0.1	2.48	42.72	ok			
01/28/04	Newburgh	Pb (ug/L)	2.19			<0.1	3.85	66.40	ok			
03/09/04	Newburgh	Pb (ug/L)	5.44			<0.1	3.70	63.65	ok			
05/25/04	Newburgh	Pb (ug/L)	3.12			<0.1	3.99	68.81	ok			
07/07/04	Newburgh	Pb (ug/L)	0.53			<0.1	3.46	59.69	ok			
09/09/04	Newburgh	Pb (ug/L)	0.28			<0.1	3.81	65.61	ok			
11/17/04	Newburgh	Pb (ug/L)	2.26			<0.1	3.95	68.12	ok			
01/26/05	Newburgh	Pb (ug/L)	4.45			0.17	3.12	53.81	ok			
03/22/05	Newburgh	Pb (ug/L)	1.24			<0.1	3.43	59.02	ok			
05/23/05	Newburgh	Pb (ug/L)	7.04			<0.1	3.65	62.92	ok			
07/13/05	Newburgh	Pb (ug/L)	0.16			<0.1	3.33	57.38	ok			
11/12/03	Pike Island	Pb (ug/L)	1.12			<0.1	1.75	30.15	ok			
01/26/04	Pike Island	Pb (ug/L)	0.30			<0.1	2.96	50.94	ok			
03/04/04	Pike Island	Pb (ug/L)	2.78			<0.1	2.80	48.22	ok			
05/12/04	Pike Island	Pb (ug/L)	0.53			<0.1	2.74	47.23	ok			
07/15/04	Pike Island	Pb (ug/L)	0.72			<0.1	3.16	54.41	ok			
09/29/04	Pike Island	Pb (ug/L)	3.32			<0.1	1.67	28.79	ok			
11/04/04	Pike Island	Pb (ug/L)	0.42			<0.1	3.20	55.06	ok			
01/20/05	Pike Island	Pb (ug/L)	1.34			<0.1	2.10	36.17	ok			
03/16/05	Pike Island	Pb (ug/L)	0.60			<0.1	2.61	44.97	ok			
05/12/05	Pike Island	Pb (ug/L)	0.54			<0.1	2.74	47.28	ok			
07/14/05	Pike Island	Pb (ug/L)	0.15			<0.1	3.08	53.05	ok			
11/04/03	R.C. Byrd	Pb (ug/L)	1.08			<0.1			insufficient data			
01/13/04	R.C. Byrd	Pb (ug/L)	1.74			<0.1	2.10	36.10	ok			
03/11/04	R.C. Byrd	Pb (ug/L)	2.43			<0.1	1.53	26.31	ok			
05/05/04	R.C. Byrd	Pb (ug/L)	2.44			<0.1	2.12	36.48	ok			
07/13/04	R.C. Byrd	Pb (ug/L)	1.69			<0.1	3.28	56.56	ok			
09/16/04	R.C. Byrd	Pb (ug/L)	1.84			<0.1	2.38	41.07	ok			
11/11/04	R.C. Byrd	Pb (ug/L)	1.69			<0.1	3.11	53.53	ok			
01/04/05	R.C. Byrd	Pb (ug/L)	0.85			<0.1	2.56	44.16	ok			
03/15/05	R.C. Byrd	Pb (ug/L)	0.62			<0.1	1.92	33.07	ok			
05/04/05	R.C. Byrd	Pb (ug/L)	0.92			<0.1	1.61	27.80	ok			
07/12/05	R.C. Byrd	Pb (ug/L)	0.70			<0.1	3.04	52.45	ok			
11/24/03	Smithland	Pb (ug/L)	7.97			<0.1	2.50	43.10	ok			
01/27/04	Smithland	Pb (ug/L)	2.08			<0.1	4.53	78.02	ok			
03/08/04	Smithland	Pb (ug/L)	3.89			<0.1	4.27	73.62	ok			
05/24/04	Smithland	Pb (ug/L)	2.02			<0.1	4.13	71.21	ok			
07/06/04	Smithland	Pb (ug/L)	0.65			<0.1	4.14	71.28	ok			
09/08/04	Smithland	Pb (ug/L)	0.46			0.11	4.08	70.21	ok			
11/16/04	Smithland	Pb (ug/L)	3.85			<0.1	4.30	74.04	ok			
01/27/05	Smithland	Pb (ug/L)	3.29			<0.1	2.80	48.28	ok			
03/21/05	Smithland	Pb (ug/L)	1.09			<0.1	4.19	72.16	ok			
05/24/05	Smithland	Pb (ug/L)	1.17			<0.1	4.01	69.08	ok			
07/12/05	Smithland	Pb (ug/L)	0.16			<0.1	3.53	60.86	ok			
11/20/03	West Point	Pb (ug/L)	6.38			<0.1	2.12	36.50	ok			
01/29/04	West Point	Pb (ug/L)	1.69			<0.1	3.52	60.66	ok			
03/09/04	West Point	Pb (ug/L)	4.53			<0.1	3.36	57.89	ok			
05/25/04	West Point	Pb (ug/L)	4.92			<0.1	4.06	70.01	ok			
07/07/04	West Point	Pb (ug/L)	1.10			<0.1	4.24	73.06	ok			
09/09/04	West Point	Pb (ug/L)	0.61			<0.1	4.20	72.42	ok			
11/17/04	West Point	Pb (ug/L)	1.74			<0.1	4.15	71.54	ok			
01/27/05	West Point	Pb (ug/L)	3.84			<0.1	3.03	52.15	ok			
03/22/05	West Point	Pb (ug/L)	1.14			<0.1	3.85	66.38	ok			
05/23/05	West Point	Pb (ug/L)	2.39			<0.1	3.85	66.28	ok			
07/13/05	West Point	Pb (ug/L)	0.36			<0.1	4.21	72.48	ok			
11/04/03	Willow Island	Pb (ug/L)	0.67			<0.1	2.22	38.26	ok			
01/13/04	Willow Island	Pb (ug/L)	2.15			<0.1	2.21	38.05	ok			
03/11/04	Willow Island	Pb (ug/L)	3.10			<0.1	1.77	30.51	ok			
05/05/04	Willow Island	Pb (ug/L)	0.43			<0.1	2.83	48.81	ok			
07/13/04	Willow Island	Pb (ug/L)	0.27			<0.1	3.05	52.56	ok			
09/16/04	Willow Island	Pb (ug/L)	1.31			<0.1	1.70	29.33	ok			
11/11/04	Willow Island	Pb (ug/L)	0.48			<0.1	3.68	63.34	ok			
01/04/05	Willow Island	Pb (ug/L)	1.31			<0.1	2.47	42.54	ok			
01/28/05	Willow Island	Pb (ug/L)	0.58			<0.1			insufficient data			
02/01/05	Willow Island	Pb (ug/L)	1.02			<0.1			insufficient data			
02/03/05	Willow Island	Pb (ug/L)	0.61			<0.1			insufficient data			
03/15/05	Willow Island	Pb (ug/L)	0.58			<0.1	2.69	46.30	ok			
05/04/05	Willow Island	Pb (ug/L)	0.54			<0.1	2.81	48.35	ok			
07/12/05	Willow Island	Pb (ug/L)	0.18			<0.1	3.80	65.53	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/15/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/10/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/26/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/29/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/23/04	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/25/05	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/24/05	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	Anderson Ferry	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/03	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/13/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/11/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/05/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/16/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/11/04	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/04/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/28/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
02/01/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
02/03/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/15/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/04/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	Belleville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/24/03	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/14/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/09/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/25/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/07/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/09/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/17/04	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/22/05	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	Cannelton	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/15/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/11/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/26/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/29/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/23/04	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/23/05	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/05	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/05	Greenup	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/12/03	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/04/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/15/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/23/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/04	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/20/05	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/16/05	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/05	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/05	Hannibal	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/24/03	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/08/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/06/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/08/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/16/04	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/21/05	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/05	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	J.T. Myers	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/24/03	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/08/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/06/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/08/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/16/04	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/05	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/21/05	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/05	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	L&D 52	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/20/03	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/29/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/09/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/25/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/07/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/09/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/17/04	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/22/05	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	Louisville	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/20/03	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/14/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/10/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/26/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/15/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/09/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/17/04	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/24/05	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	Markland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/15/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/11/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/26/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/15/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/29/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/23/04	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/25/05	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/23/05	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/05	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/05	Meldahl	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/12/03	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/04/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/15/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/26/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/04	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/20/05	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/16/05	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/05	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/05	New Cumberland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/24/03	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/28/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/09/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/25/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/07/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/09/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/17/04	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/05	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/22/05	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	Newburgh	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/12/03	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/26/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/04/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/15/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/29/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/04	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/20/05	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/16/05	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/12/05	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/14/05	Pike Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/03	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/13/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/11/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/05/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/16/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/11/04	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/04/05	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/15/05	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/04/05	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	R.C. Byrd	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/24/03	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/08/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/06/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/08/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/16/04	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/05	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/21/05	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/24/05	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	Smithland	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/20/03	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/29/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/09/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/25/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/07/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/09/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/17/04	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/27/05	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/22/05	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/23/05	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/05	West Point	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/04/03	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/13/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/11/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/05/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/13/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
09/16/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
11/11/04	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/04/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
01/28/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
02/01/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
02/03/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
03/15/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
05/04/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						
07/12/05	Willow Island	Sb (ug/L)	<0.5	5.6	ok	<0.5						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Se (ug/L)	0.79	170	ok	<0.5				5.00	20.00	ok
01/15/04	Anderson Ferry	Se (ug/L)	<0.5	170	ok	0.55				5.00	20.00	ok
03/10/04	Anderson Ferry	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/26/04	Anderson Ferry	Se (ug/L)	0.55	170	ok	0.50				5.00	20.00	ok
07/14/04	Anderson Ferry	Se (ug/L)	0.72	170	ok	0.55				5.00	20.00	ok
09/29/04	Anderson Ferry	Se (ug/L)	<0.5	170	ok	0.54				5.00	20.00	ok
11/23/04	Anderson Ferry	Se (ug/L)	0.82	170	ok	0.54				5.00	20.00	ok
01/25/05	Anderson Ferry	Se (ug/L)	0.59	170	ok	<0.5				5.00	20.00	ok
03/24/05	Anderson Ferry	Se (ug/L)	0.70	170	ok	<0.5				5.00	20.00	ok
05/23/05	Anderson Ferry	Se (ug/L)	0.52	170	ok	0.59				5.00	20.00	ok
07/13/05	Anderson Ferry	Se (ug/L)	0.87	170	ok	0.74				5.00	20.00	ok
11/04/03	Belleville	Se (ug/L)	<0.5	170	ok	0.51				5.00	20.00	ok
01/13/04	Belleville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/11/04	Belleville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/05/04	Belleville	Se (ug/L)	0.60	170	ok	0.59				5.00	20.00	ok
07/13/04	Belleville	Se (ug/L)	0.68	170	ok	0.66				5.00	20.00	ok
09/16/04	Belleville	Se (ug/L)	<0.5	170	ok	0.55				5.00	20.00	ok
11/11/04	Belleville	Se (ug/L)	0.65	170	ok	<0.5				5.00	20.00	ok
01/04/05	Belleville	Se (ug/L)	0.61	170	ok	<0.5				5.00	20.00	ok
01/28/05	Belleville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
02/01/05	Belleville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
02/03/05	Belleville	Se (ug/L)	0.64	170	ok	<0.5				5.00	20.00	ok
03/15/05	Belleville	Se (ug/L)	0.63	170	ok	<0.5				5.00	20.00	ok
05/04/05	Belleville	Se (ug/L)	<0.5	170	ok	0.55				5.00	20.00	ok
07/12/05	Belleville	Se (ug/L)	1.13	170	ok	0.87				5.00	20.00	ok
11/24/03	Cannelton	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
01/14/04	Cannelton	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/09/04	Cannelton	Se (ug/L)	0.63	170	ok	<0.5				5.00	20.00	ok
05/25/04	Cannelton	Se (ug/L)	0.63	170	ok	0.81				5.00	20.00	ok
07/07/04	Cannelton	Se (ug/L)	0.58	170	ok	0.56				5.00	20.00	ok
09/09/04	Cannelton	Se (ug/L)	0.64	170	ok	0.72				5.00	20.00	ok
11/17/04	Cannelton	Se (ug/L)	0.62	170	ok	0.55				5.00	20.00	ok
01/26/05	Cannelton	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/22/05	Cannelton	Se (ug/L)	0.61	170	ok	0.51				5.00	20.00	ok
05/23/05	Cannelton	Se (ug/L)	0.50	170	ok	<0.5				5.00	20.00	ok
07/13/05	Cannelton	Se (ug/L)	0.81	170	ok	0.80				5.00	20.00	ok
01/15/04	Greenup	Se (ug/L)	0.55	170	ok	<0.5				5.00	20.00	ok
03/11/04	Greenup	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/26/04	Greenup	Se (ug/L)	0.59	170	ok	0.67				5.00	20.00	ok
07/14/04	Greenup	Se (ug/L)	0.60	170	ok	0.68				5.00	20.00	ok
09/29/04	Greenup	Se (ug/L)	0.60	170	ok	<0.5				5.00	20.00	ok
11/23/04	Greenup	Se (ug/L)	0.76	170	ok	0.52				5.00	20.00	ok
01/26/05	Greenup	Se (ug/L)	0.74	170	ok	<0.5				5.00	20.00	ok
03/23/05	Greenup	Se (ug/L)	0.72	170	ok	0.53				5.00	20.00	ok
05/24/05	Greenup	Se (ug/L)	<0.5	170	ok	0.57				5.00	20.00	ok
07/14/05	Greenup	Se (ug/L)	0.84	170	ok	0.74				5.00	20.00	ok
11/12/03	Hannibal	Se (ug/L)	0.57	170	ok	<0.5				5.00	20.00	ok
01/26/04	Hannibal	Se (ug/L)	0.75	170	ok	0.75				5.00	20.00	ok
03/04/04	Hannibal	Se (ug/L)	0.74	170	ok	0.50				5.00	20.00	ok
05/12/04	Hannibal	Se (ug/L)	0.58	170	ok	<0.5				5.00	20.00	ok
07/15/04	Hannibal	Se (ug/L)	0.97	170	ok	1.00				5.00	20.00	ok
09/23/04	Hannibal	Se (ug/L)	0.60	170	ok	0.55				5.00	20.00	ok
11/04/04	Hannibal	Se (ug/L)	0.64	170	ok	0.69				5.00	20.00	ok
01/20/05	Hannibal	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/16/05	Hannibal	Se (ug/L)	0.54	170	ok	<0.5				5.00	20.00	ok
05/12/05	Hannibal	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/14/05	Hannibal	Se (ug/L)	0.95	170	ok	0.98				5.00	20.00	ok
11/24/03	J.T. Myers	Se (ug/L)	0.50	170	ok	<0.5				5.00	20.00	ok
01/27/04	J.T. Myers	Se (ug/L)	0.64	170	ok	<0.5				5.00	20.00	ok
03/08/04	J.T. Myers	Se (ug/L)	0.57	170	ok	0.50				5.00	20.00	ok
05/24/04	J.T. Myers	Se (ug/L)	0.65	170	ok	0.59				5.00	20.00	ok
07/06/04	J.T. Myers	Se (ug/L)	<0.5	170	ok	0.56				5.00	20.00	ok
09/08/04	J.T. Myers	Se (ug/L)	0.90	170	ok	0.61				5.00	20.00	ok
11/16/04	J.T. Myers	Se (ug/L)	0.51	170	ok	<0.5				5.00	20.00	ok
01/26/05	J.T. Myers	Se (ug/L)	0.51	170	ok	<0.5				5.00	20.00	ok
03/21/05	J.T. Myers	Se (ug/L)	0.64	170	ok	<0.5				5.00	20.00	ok
05/24/05	J.T. Myers	Se (ug/L)	<0.5	170	ok	0.53				5.00	20.00	ok
07/12/05	J.T. Myers	Se (ug/L)	0.69	170	ok	0.86				5.00	20.00	ok
11/24/03	L&D 52	Se (ug/L)	0.55	170	ok	<0.5				5.00	20.00	ok
01/27/04	L&D 52	Se (ug/L)	0.75	170	ok	0.55				5.00	20.00	ok
03/08/04	L&D 52	Se (ug/L)	0.67	170	ok	<0.5				5.00	20.00	ok
05/24/04	L&D 52	Se (ug/L)	<0.5	170	ok	0.51				5.00	20.00	ok
07/06/04	L&D 52	Se (ug/L)	0.51	170	ok	<0.5				5.00	20.00	ok
09/08/04	L&D 52	Se (ug/L)	0.72	170	ok	0.61				5.00	20.00	ok
11/16/04	L&D 52	Se (ug/L)	0.67	170	ok	0.62				5.00	20.00	ok
01/27/05	L&D 52	Se (ug/L)	<0.5	170	ok	0.51				5.00	20.00	ok
03/21/05	L&D 52	Se (ug/L)	0.60	170	ok	0.53				5.00	20.00	ok
05/24/05	L&D 52	Se (ug/L)	0.56	170	ok	0.73				5.00	20.00	ok
07/12/05	L&D 52	Se (ug/L)	0.73	170	ok	0.66				5.00	20.00	ok
11/20/03	Louisville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
01/29/04	Louisville	Se (ug/L)	<0.5	170	ok	0.51				5.00	20.00	ok
03/09/04	Louisville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/25/04	Louisville	Se (ug/L)	0.75	170	ok	<0.5				5.00	20.00	ok
07/07/04	Louisville	Se (ug/L)	0.62	170	ok	0.51				5.00	20.00	ok
09/09/04	Louisville	Se (ug/L)	0.76	170	ok	0.61				5.00	20.00	ok
11/17/04	Louisville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
01/26/05	Louisville	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/22/05	Louisville	Se (ug/L)	0.58	170	ok	<0.5				5.00	20.00	ok
05/23/05	Louisville	Se (ug/L)	0.60	170	ok	<0.5				5.00	20.00	ok
07/13/05	Louisville	Se (ug/L)	0.75	170	ok	0.66				5.00	20.00	ok
11/20/03	Markland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
01/14/04	Markland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/10/04	Markland	Se (ug/L)	0.71	170	ok	<0.5				5.00	20.00	ok
05/26/04	Markland	Se (ug/L)	0.72	170	ok	<0.5				5.00	20.00	ok
07/15/04	Markland	Se (ug/L)	0.68	170	ok	0.73				5.00	20.00	ok
09/09/04	Markland	Se (ug/L)	0.84	170	ok	0.80				5.00	20.00	ok

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Se (ug/L)	0.71	170	ok	0.53				5.00	20.00	ok
01/26/05	Markland	Se (ug/L)	<0.5	170	ok	0.53				5.00	20.00	ok
03/24/05	Markland	Se (ug/L)	0.53	170	ok	0.51				5.00	20.00	ok
05/23/05	Markland	Se (ug/L)	<0.5	170	ok	0.69				5.00	20.00	ok
07/13/05	Markland	Se (ug/L)	0.86	170	ok	0.67				5.00	20.00	ok
01/15/04	Meldahl	Se (ug/L)	0.50	170	ok	0.51				5.00	20.00	ok
03/11/04	Meldahl	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/26/04	Meldahl	Se (ug/L)	0.53	170	ok	0.65				5.00	20.00	ok
07/15/04	Meldahl	Se (ug/L)	0.77	170	ok	0.55				5.00	20.00	ok
09/29/04	Meldahl	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
11/23/04	Meldahl	Se (ug/L)	0.56	170	ok	<0.5				5.00	20.00	ok
01/25/05	Meldahl	Se (ug/L)	0.53	170	ok	<0.5				5.00	20.00	ok
03/23/05	Meldahl	Se (ug/L)	0.62	170	ok	<0.5				5.00	20.00	ok
05/24/05	Meldahl	Se (ug/L)	<0.5	170	ok	0.57				5.00	20.00	ok
07/14/05	Meldahl	Se (ug/L)	0.85	170	ok	0.71				5.00	20.00	ok
11/12/03	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
01/26/04	New Cumberland	Se (ug/L)	0.69	170	ok	0.50				5.00	20.00	ok
03/04/04	New Cumberland	Se (ug/L)	0.86	170	ok	<0.5				5.00	20.00	ok
05/12/04	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/15/04	New Cumberland	Se (ug/L)	0.69	170	ok	0.74				5.00	20.00	ok
09/26/04	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
11/04/04	New Cumberland	Se (ug/L)	0.68	170	ok	0.63				5.00	20.00	ok
01/20/05	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/16/05	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/12/05	New Cumberland	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/14/05	New Cumberland	Se (ug/L)	1.09	170	ok	0.96				5.00	20.00	ok
11/24/03	Newburgh	Se (ug/L)	0.55	170	ok	<0.5				5.00	20.00	ok
01/28/04	Newburgh	Se (ug/L)	<0.5	170	ok	0.50				5.00	20.00	ok
03/09/04	Newburgh	Se (ug/L)	0.73	170	ok	<0.5				5.00	20.00	ok
05/25/04	Newburgh	Se (ug/L)	0.62	170	ok	0.58				5.00	20.00	ok
07/07/04	Newburgh	Se (ug/L)	0.64	170	ok	0.57				5.00	20.00	ok
09/09/04	Newburgh	Se (ug/L)	0.87	170	ok	0.74				5.00	20.00	ok
11/17/04	Newburgh	Se (ug/L)	0.60	170	ok	<0.5				5.00	20.00	ok
01/26/05	Newburgh	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/22/05	Newburgh	Se (ug/L)	0.72	170	ok	<0.5				5.00	20.00	ok
05/23/05	Newburgh	Se (ug/L)	0.66	170	ok	0.52				5.00	20.00	ok
07/13/05	Newburgh	Se (ug/L)	0.85	170	ok	0.72				5.00	20.00	ok
11/12/03	Pike Island	Se (ug/L)	0.50	170	ok	<0.5				5.00	20.00	ok
01/26/04	Pike Island	Se (ug/L)	0.80	170	ok	0.57				5.00	20.00	ok
03/04/04	Pike Island	Se (ug/L)	0.71	170	ok	<0.5				5.00	20.00	ok
05/12/04	Pike Island	Se (ug/L)	0.64	170	ok	0.50				5.00	20.00	ok
07/15/04	Pike Island	Se (ug/L)	0.90	170	ok	0.70				5.00	20.00	ok
09/29/04	Pike Island	Se (ug/L)	0.61	170	ok	<0.5				5.00	20.00	ok
11/04/04	Pike Island	Se (ug/L)	0.80	170	ok	0.54				5.00	20.00	ok
01/20/05	Pike Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/16/05	Pike Island	Se (ug/L)	0.51	170	ok	<0.5				5.00	20.00	ok
05/12/05	Pike Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/14/05	Pike Island	Se (ug/L)	1.33	170	ok	1.01				5.00	20.00	ok
11/04/03	R.C. Byrd	Se (ug/L)	0.62	170	ok	<0.5				5.00	20.00	ok
01/13/04	R.C. Byrd	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/11/04	R.C. Byrd	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/05/04	R.C. Byrd	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/13/04	R.C. Byrd	Se (ug/L)	0.67	170	ok	0.59				5.00	20.00	ok
09/16/04	R.C. Byrd	Se (ug/L)	0.51	170	ok	<0.5				5.00	20.00	ok
11/11/04	R.C. Byrd	Se (ug/L)	0.59	170	ok	0.58				5.00	20.00	ok
01/04/05	R.C. Byrd	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
03/15/05	R.C. Byrd	Se (ug/L)	0.52	170	ok	<0.5				5.00	20.00	ok
05/04/05	R.C. Byrd	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/12/05	R.C. Byrd	Se (ug/L)	0.76	170	ok	0.64				5.00	20.00	ok
11/24/03	Smithland	Se (ug/L)	0.53	170	ok	<0.5				5.00	20.00	ok
01/27/04	Smithland	Se (ug/L)	0.66	170	ok	0.50				5.00	20.00	ok
03/08/04	Smithland	Se (ug/L)	0.69	170	ok	0.61				5.00	20.00	ok
05/24/04	Smithland	Se (ug/L)	0.69	170	ok	0.69				5.00	20.00	ok
07/06/04	Smithland	Se (ug/L)	0.79	170	ok	0.52				5.00	20.00	ok
09/08/04	Smithland	Se (ug/L)	0.81	170	ok	0.83				5.00	20.00	ok
11/16/04	Smithland	Se (ug/L)	0.81	170	ok	0.52				5.00	20.00	ok
01/27/05	Smithland	Se (ug/L)	<0.5	170	ok	0.51				5.00	20.00	ok
03/21/05	Smithland	Se (ug/L)	0.64	170	ok	0.55				5.00	20.00	ok
05/24/05	Smithland	Se (ug/L)	0.59	170	ok	0.64				5.00	20.00	ok
07/12/05	Smithland	Se (ug/L)	0.82	170	ok	0.72				5.00	20.00	ok
11/20/03	West Point	Se (ug/L)	0.61	170	ok	0.61				5.00	20.00	ok
01/29/04	West Point	Se (ug/L)	0.97	170	ok	1.01				5.00	20.00	ok
03/09/04	West Point	Se (ug/L)	0.73	170	ok	0.53				5.00	20.00	ok
05/25/04	West Point	Se (ug/L)	1.13	170	ok	1.26				5.00	20.00	ok
07/07/04	West Point	Se (ug/L)	2.31	170	ok	1.92				5.00	20.00	ok
09/09/04	West Point	Se (ug/L)	1.92	170	ok	1.52				5.00	20.00	ok
11/17/04	West Point	Se (ug/L)	1.16	170	ok	0.96				5.00	20.00	ok
01/27/05	West Point	Se (ug/L)	0.70	170	ok	0.57				5.00	20.00	ok
03/22/05	West Point	Se (ug/L)	1.03	170	ok	0.89				5.00	20.00	ok
05/23/05	West Point	Se (ug/L)	1.06	170	ok	0.98				5.00	20.00	ok
07/13/05	West Point	Se (ug/L)	2.58	170	ok	2.54				5.00	20.00	ok
11/04/03	Willow Island	Se (ug/L)	0.50	170	ok	<0.5				5.00	20.00	ok
01/13/04	Willow Island	Se (ug/L)	0.50	170	ok	<0.5				5.00	20.00	ok
03/11/04	Willow Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
05/05/04	Willow Island	Se (ug/L)	<0.5	170	ok	0.55				5.00	20.00	ok
07/13/04	Willow Island	Se (ug/L)	0.69	170	ok	0.63				5.00	20.00	ok
09/16/04	Willow Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
11/11/04	Willow Island	Se (ug/L)	0.72	170	ok	0.74				5.00	20.00	ok
01/04/05	Willow Island	Se (ug/L)	0.54	170	ok	<0.5				5.00	20.00	ok
01/28/05	Willow Island	Se (ug/L)	0.56	170	ok	<0.5				5.00	20.00	ok
02/01/05	Willow Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
02/03/05	Willow Island	Se (ug/L)	0.74	170	ok	0.56				5.00	20.00	ok
03/15/05	Willow Island	Se (ug/L)	0.60	170	ok	<0.5				5.00	20.00	ok
05/04/05	Willow Island	Se (ug/L)	<0.5	170	ok	<0.5				5.00	20.00	ok
07/12/05	Willow Island	Se (ug/L)	1.10	170	ok	1.00				5.00	20.00	ok

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	**Station Name**	**Parameter**	**Total Metals**	**Criteria**	**Assessment**	**Dissolved Metals**	**Chronic**	**Acute**	**Assessment**	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Tl (ug/L)	0.19	1.7	ok	<0.1						
01/15/04	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/10/04	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/26/04	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/04	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/29/04	Anderson Ferry	Tl (ug/L)	0.12	1.7	ok	<0.1						
11/23/04	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/25/05	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/24/05	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/05	Anderson Ferry	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/03	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/13/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/11/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/05/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/16/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/11/04	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/04/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/28/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
02/01/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
02/03/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/15/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/04/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	Belleville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/24/03	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/14/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/09/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/25/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/07/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/09/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/17/04	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/05	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/22/05	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/05	Cannelton	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/15/04	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/11/04	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/26/04	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/04	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/29/04	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/23/04	Greenup	Tl (ug/L)	0.11	1.7	ok	<0.1						
01/26/05	Greenup	Tl (ug/L)	0.11	1.7	ok	<0.1						
03/23/05	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/05	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/05	Greenup	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/12/03	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/04/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/15/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/23/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/04	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/20/05	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/16/05	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/05	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/05	Hannibal	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/24/03	J.T. Myers	Tl (ug/L)	0.14	1.7	ok	<0.1						
01/27/04	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/08/04	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/04	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/06/04	J.T. Myers	Tl (ug/L)	0.12	1.7	ok	<0.1						
09/08/04	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/16/04	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/05	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/21/05	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/05	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	J.T. Myers	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/24/03	L&D 52	Tl (ug/L)	0.14	1.7	ok	<0.1						
01/27/04	L&D 52	Tl (ug/L)	0.10	1.7	ok	<0.1						
03/08/04	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/04	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/06/04	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/08/04	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/16/04	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/27/05	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/21/05	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/05	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	L&D 52	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/20/03	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/29/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/09/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/25/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/07/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/09/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/17/04	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/05	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/22/05	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/05	Louisville	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/20/03	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/14/04	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/10/04	Markland	Tl (ug/L)	0.17	1.7	ok	<0.1						
05/26/04	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/15/04	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/09/04	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						

Appendix D: Clean metals results compared to criteria

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/05	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/24/05	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	Markland	Tl (ug/L)	0.17	1.7	ok	<0.1						
07/13/05	Markland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/15/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/11/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/26/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/15/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/29/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/23/04	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/25/05	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/23/05	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/05	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/05	Meldahl	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/12/03	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/04/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/15/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/26/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/04	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/20/05	New Cumberland	Tl (ug/L)	0.10	1.7	ok	<0.1						
03/16/05	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/05	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/05	New Cumberland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/24/03	Newburgh	Tl (ug/L)	0.16	1.7	ok	<0.1						
01/28/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/09/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/25/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/07/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/09/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/17/04	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/05	Newburgh	Tl (ug/L)	<0.1	1.7	ok	0.12						
03/22/05	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	Newburgh	Tl (ug/L)	0.10	1.7	ok	<0.1						
07/13/05	Newburgh	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/12/03	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/26/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/04/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/15/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/29/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/04	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/20/05	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/16/05	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/12/05	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/14/05	Pike Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/03	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/13/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/11/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/05/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/16/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/11/04	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/04/05	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/15/05	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/04/05	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	R.C. Byrd	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/24/03	Smithland	Tl (ug/L)	0.11	1.7	ok	<0.1						
01/27/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/08/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/06/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/08/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	0.13						
11/16/04	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/27/05	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/21/05	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/24/05	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	Smithland	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/20/03	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/29/04	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/09/04	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/25/04	West Point	Tl (ug/L)	0.10	1.7	ok	<0.1						
07/07/04	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/09/04	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/17/04	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/27/05	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/22/05	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/23/05	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/05	West Point	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/04/03	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/13/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/11/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/05/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/13/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
09/16/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
11/11/04	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/04/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
01/28/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
02/01/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
02/03/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
03/15/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
05/04/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						
07/12/05	Willow Island	Tl (ug/L)	<0.1	1.7	ok	<0.1						

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/20/03	Anderson Ferry	Zn (ug/L)	75.00	7400	ok	1.33	110.55	109.65	ok			
01/15/04	Anderson Ferry	Zn (ug/L)	18.86	7400	ok	4.44	110.10	109.20	ok			
03/10/04	Anderson Ferry	Zn (ug/L)	21.00	7400	ok	1.64	100.34	99.53	ok			
05/26/04	Anderson Ferry	Zn (ug/L)	23.00	7400	ok	1.23	135.25	134.15	ok			
07/14/04	Anderson Ferry	Zn (ug/L)	3.52	7400	ok	1.02	146.46	145.27	ok			
09/29/04	Anderson Ferry	Zn (ug/L)	12.44	7400	ok	1.08	107.90	107.03	ok			
11/23/04	Anderson Ferry	Zn (ug/L)	16.77	7400	ok	<1	133.76	132.67	ok			
01/25/05	Anderson Ferry	Zn (ug/L)	16.33	7400	ok	3.83	124.00	122.99	ok			
03/24/05	Anderson Ferry	Zn (ug/L)	10.73	7400	ok	6.90	151.62	150.39	ok			
05/23/05	Anderson Ferry	Zn (ug/L)	9.26	7400	ok	1.86	169.54	168.17	ok			
07/13/05	Anderson Ferry	Zn (ug/L)	3.47	7400	ok	2.31			insufficient data			
11/04/03	Belleville	Zn (ug/L)	2.77	7400	ok	4.32	130.01	128.95	ok			
01/13/04	Belleville	Zn (ug/L)	16.24	7400	ok	1.23	122.60	121.60	ok			
03/11/04	Belleville	Zn (ug/L)	21.00	7400	ok	1.17	112.62	111.71	ok			
05/05/04	Belleville	Zn (ug/L)	4.10	7400	ok	1.68	159.57	158.28	ok			
07/13/04	Belleville	Zn (ug/L)	1.94	7400	ok	<1	162.77	161.45	ok			
09/16/04	Belleville	Zn (ug/L)	9.54	7400	ok	<1	110.07	109.18	ok			
11/11/04	Belleville	Zn (ug/L)	6.04	7400	ok	<1	174.27	172.86	ok			
01/04/05	Belleville	Zn (ug/L)	14.47	7400	ok	1.52	137.22	136.11	ok			
01/28/05	Belleville	Zn (ug/L)	15.65	7400	ok	2.11			insufficient data			
02/01/05	Belleville	Zn (ug/L)	12.26	7400	ok				no data			
02/03/05	Belleville	Zn (ug/L)	9.85	7400	ok	3.13			insufficient data			
03/15/05	Belleville	Zn (ug/L)	10.42	7400	ok	4.45	154.93	153.67	ok			
05/04/05	Belleville	Zn (ug/L)	9.39	7400	ok	1.47	160.39	159.09	ok			
07/12/05	Belleville	Zn (ug/L)	2.47	7400	ok	<1	159.03	157.74	ok			
11/24/03	Cannelton	Zn (ug/L)	16.60	7400	ok	1.47	113.45	112.53	ok			
01/14/04	Cannelton	Zn (ug/L)	30.00	7400	ok	1.25	113.90	112.97	ok			
03/09/04	Cannelton	Zn (ug/L)	23.00	7400	ok	1.48	158.04	156.76	ok			
05/25/04	Cannelton	Zn (ug/L)	16.60	7400	ok	<1	161.10	159.79	ok			
07/07/04	Cannelton	Zn (ug/L)	2.93	7400	ok	<1	154.26	153.01	ok			
09/09/04	Cannelton	Zn (ug/L)	2.54	7400	ok	<1	155.30	154.04	ok			
11/17/04	Cannelton	Zn (ug/L)	5.74	7400	ok	<1	169.26	167.88	ok			
01/26/05	Cannelton	Zn (ug/L)	30.18	7400	ok	<1	135.56	134.46	ok			
03/22/05	Cannelton	Zn (ug/L)	8.73	7400	ok	3.07	154.04	152.79	ok			
05/23/05	Cannelton	Zn (ug/L)	6.31	7400	ok	<1	241.75	239.79	ok			
07/13/05	Cannelton	Zn (ug/L)	2.31	7400	ok	1.18	154.52	153.27	ok			
01/15/04	Greenup	Zn (ug/L)	14.10	7400	ok	3.05	97.76	96.97	ok			
03/11/04	Greenup	Zn (ug/L)	29.00	7400	ok	1.01	102.00	101.17	ok			
05/26/04	Greenup	Zn (ug/L)	50.00	7400	ok	1.20	122.18	121.18	ok			
07/14/04	Greenup	Zn (ug/L)	3.65	7400	ok	<1	149.44	148.23	ok			
09/29/04	Greenup	Zn (ug/L)	9.40	7400	ok	1.11	117.20	116.25	ok			
11/23/04	Greenup	Zn (ug/L)	11.16	7400	ok	<1	120.29	119.31	ok			
01/26/05	Greenup	Zn (ug/L)	68.21	7400	ok	1.09	122.46	121.47	ok			
03/23/05	Greenup	Zn (ug/L)	15.18	7400	ok	2.66	138.11	136.99	ok			
05/24/05	Greenup	Zn (ug/L)	3.75	7400	ok	1.05	140.39	139.25	ok			
07/14/05	Greenup	Zn (ug/L)	1.65	7400	ok	1.09	133.26	132.18	ok			
11/12/03	Hannibal	Zn (ug/L)	12.40	7400	ok	<1	87.88	87.16	ok			
01/26/04	Hannibal	Zn (ug/L)	12.31	7400	ok	7.31	170.51	169.12	ok			
03/04/04	Hannibal	Zn (ug/L)	22.00	7400	ok				no data			
05/12/04	Hannibal	Zn (ug/L)	5.12	7400	ok	1.10	109.68	108.79	ok			
07/15/04	Hannibal	Zn (ug/L)	4.54	7400	ok	1.48	149.96	148.75	ok			
09/23/04	Hannibal	Zn (ug/L)	24.76	7400	ok	2.32	103.81	102.97	ok			
11/04/04	Hannibal	Zn (ug/L)	3.52	7400	ok	<1	160.78	159.48	ok			
01/20/05	Hannibal	Zn (ug/L)	18.15	7400	ok	3.12	107.72	106.85	ok			
03/16/05	Hannibal	Zn (ug/L)	10.51	7400	ok	6.22	127.24	126.21	ok			
05/12/05	Hannibal	Zn (ug/L)	3.77	7400	ok	1.26	138.61	137.48	ok			
07/14/05	Hannibal	Zn (ug/L)	2.01	7400	ok	<1	158.77	157.48	ok			
11/24/03	J.T. Myers	Zn (ug/L)	36.00	7400	ok	6.68	103.78	102.94	ok			
01/27/04	J.T. Myers	Zn (ug/L)	14.66	7400	ok	1.53	153.29	152.04	ok			
03/08/04	J.T. Myers	Zn (ug/L)	15.00	7400	ok	1.10	166.65	165.30	ok			
05/24/04	J.T. Myers	Zn (ug/L)	20.80	7400	ok	1.55	158.73	157.45	ok			
07/06/04	J.T. Myers	Zn (ug/L)	4.01	7400	ok	<1	150.49	149.26	ok			
09/08/04	J.T. Myers	Zn (ug/L)	3.46	7400	ok	<1	163.06	161.74	ok			
11/16/04	J.T. Myers	Zn (ug/L)	19.95	7400	ok	<1	157.34	156.07	ok			
01/26/05	J.T. Myers	Zn (ug/L)	20.91	7400	ok	<1	130.46	129.40	ok			
03/21/05	J.T. Myers	Zn (ug/L)	8.68	7400	ok	1.18	147.81	146.61	ok			
05/24/05	J.T. Myers	Zn (ug/L)	5.51	7400	ok	<1	158.90	157.61	ok			
07/12/05	J.T. Myers	Zn (ug/L)	3.04	7400	ok	<1	148.05	146.85	ok			
11/24/03	L&D 52	Zn (ug/L)	34.00	7400	ok	1.48	141.31	140.16	ok			
01/27/04	L&D 52	Zn (ug/L)	11.08	7400	ok	<1	180.50	179.03	ok			
03/08/04	L&D 52	Zn (ug/L)	14.00	7400	ok	1.41	181.32	179.84	ok			
05/24/04	L&D 52	Zn (ug/L)	9.62	7400	ok	<1	174.35	172.94	ok			
07/06/04	L&D 52	Zn (ug/L)	5.83	7400	ok	<1	153.59	152.34	ok			
09/08/04	L&D 52	Zn (ug/L)	3.93	7400	ok	1.24	168.94	167.57	ok			
11/16/04	L&D 52	Zn (ug/L)	18.80	7400	ok	<1	169.48	168.10	ok			
01/27/05	L&D 52	Zn (ug/L)	15.11	7400	ok	1.25	122.95	121.95	ok			
03/21/05	L&D 52	Zn (ug/L)	10.48	7400	ok	<1	181.64	180.16	ok			
07/12/05	L&D 52	Zn (ug/L)	7.63	7400	ok							
05/24/05	L&D 52	Zn (ug/L)	5.62	7400	ok	<1	171.61	170.22	ok			
11/20/03	Louisville	Zn (ug/L)	15.60	7400	ok	1.07	129.20	128.15	ok			
01/29/04	Louisville	Zn (ug/L)	8.03	7400	ok				no data			
03/09/04	Louisville	Zn (ug/L)	25.00	7400	ok	1.52	153.29	152.04	ok			
05/25/04	Louisville	Zn (ug/L)	33.00	7400	ok	<1	165.98	164.64	ok			
07/07/04	Louisville	Zn (ug/L)	4.57	7400	ok	4.34	151.04	149.82	ok			
09/09/04	Louisville	Zn (ug/L)	2.90	7400	ok	1.15	152.79	151.55	ok			
11/17/04	Louisville	Zn (ug/L)	7.76	7400	ok	<1	167.90	166.54	ok			
01/26/05	Louisville	Zn (ug/L)	19.95	7400	ok	<1	135.77	134.67	ok			
03/22/05	Louisville	Zn (ug/L)	9.17	7400	ok	2.25	153.37	152.13	ok			
05/23/05	Louisville	Zn (ug/L)	8.26	7400	ok	<1	156.59	155.32	ok			
07/13/05	Louisville	Zn (ug/L)	3.92	7400	ok	2.31	162.24	160.92	ok			
11/20/03	Markland	Zn (ug/L)	15.10	7400	ok	<1	115.14	114.21	ok			
01/14/04	Markland	Zn (ug/L)	23.00	7400	ok	1.50	112.62	111.71	ok			
03/10/04	Markland	Zn (ug/L)	61.00	7400	ok	1.84	114.70	113.76	ok			
05/26/04	Markland	Zn (ug/L)	28.00	7400	ok	1.52	145.31	144.13	ok			
07/15/04	Markland	Zn (ug/L)	2.65	7400	ok	<1	149.15	147.94	ok			
09/09/04	Markland	Zn (ug/L)	5.78	7400	ok	1.17	175.59	174.16	ok			

				Human Health Protection			Aquatic Life Protection (Dissolved Metals)			Aquatic Life Protection (Total Metals)		
Date	Station Name	Parameter	Total Metals	Criteria	Assessment	Dissolved Metals	Chronic	Acute	Assessment	Chronic	Acute	Assessment
11/17/04	Markland	Zn (ug/L)	5.53	7400	ok	<1	164.51	163.18	ok			
01/26/05	Markland	Zn (ug/L)	16.88	7400	ok	1.04	126.54	125.51	ok			
03/24/05	Markland	Zn (ug/L)	11.67	7400	ok	2.47	155.80	154.54	ok			
05/23/05	Markland	Zn (ug/L)	6.88	7400	ok	1.05	166.02	164.67	ok			
07/13/05	Markland	Zn (ug/L)	3.62	7400	ok	<1	162.43	161.11	ok			
01/15/04	Meldahl	Zn (ug/L)	18.85	7400	ok	1.72	104.59	103.74	ok			
03/11/04	Meldahl	Zn (ug/L)	31.00	7400	ok	1.02	109.23	108.35	ok			
05/26/04	Meldahl	Zn (ug/L)	42.00	7400	ok	1.25	136.88	135.77	ok			
07/15/04	Meldahl	Zn (ug/L)	3.07	7400	ok	1.50	138.70	137.57	ok			
09/29/04	Meldahl	Zn (ug/L)	7.66	7400	ok	<1	104.75	103.90	ok			
11/23/04	Meldahl	Zn (ug/L)	7.99	7400	ok	<1	131.38	130.31	ok			
01/25/05	Meldahl	Zn (ug/L)	32.82	7400	ok				no data			
03/23/05	Meldahl	Zn (ug/L)	4.84	7400	ok	2.73	143.84	142.67	ok			
05/24/05	Meldahl	Zn (ug/L)	3.86	7400	ok	1.02	139.26	138.13	ok			
07/14/05	Meldahl	Zn (ug/L)	11.31	7400	ok	<1	146.41	145.23	ok			
11/12/03	New Cumberland	Zn (ug/L)	2.80	7400	ok	2.86	88.31	87.59	ok			
01/26/04	New Cumberland	Zn (ug/L)	18.31	7400	ok	8.36	142.16	141.01	ok			
03/04/04	New Cumberland	Zn (ug/L)	25.00	7400	ok	5.51	123.45	122.45	ok			
05/12/04	New Cumberland	Zn (ug/L)	4.11	7400	ok	3.08	115.14	114.21	ok			
07/15/04	New Cumberland	Zn (ug/L)	5.44	7400	ok	1.22	140.37	139.23	ok			
09/26/04	New Cumberland	Zn (ug/L)	11.03	7400	ok	1.10	95.65	94.87	ok			
11/04/04	New Cumberland	Zn (ug/L)	5.05	7400	ok				no data			
01/20/05	New Cumberland	Zn (ug/L)	13.82	7400	ok	4.26	102.11	101.28	ok			
03/16/05	New Cumberland	Zn (ug/L)	13.69	7400	ok	7.30	241.55	239.59	ok			
05/12/05	New Cumberland	Zn (ug/L)	6.68	7400	ok	1.76	116.01	115.07	ok			
07/14/05	New Cumberland	Zn (ug/L)	6.19	7400	ok	1.38	74.32	73.72	ok			
11/24/03	Newburgh	Zn (ug/L)	48.00	7400	ok	1.88	116.79	115.84	ok			
01/28/04	Newburgh	Zn (ug/L)	12.04	7400	ok	<1	164.98	163.65	ok			
03/09/04	Newburgh	Zn (ug/L)	25.00	7400	ok	1.26	159.57	158.28	ok			
05/25/04	Newburgh	Zn (ug/L)	17.20	7400	ok	1.13	169.68	168.30	ok			
07/07/04	Newburgh	Zn (ug/L)	3.63	7400	ok	<1	151.70	150.47	ok			
09/09/04	Newburgh	Zn (ug/L)	2.98	7400	ok	<1	163.43	162.11	ok			
11/17/04	Newburgh	Zn (ug/L)	11.26	7400	ok	<1	168.34	166.98	ok			
01/26/05	Newburgh	Zn (ug/L)	27.42	7400	ok	<1	139.85	138.71	ok			
03/22/05	Newburgh	Zn (ug/L)	11.37	7400	ok	3.23	150.37	149.15	ok			
05/23/05	Newburgh	Zn (ug/L)	30.14	7400	ok	1.07	158.13	156.84	ok			
07/13/05	Newburgh	Zn (ug/L)	1.93	7400	ok	<1	147.07	145.87	ok			
11/12/03	Pike Island	Zn (ug/L)	9.98	7400	ok	1.78	89.18	88.45	ok			
01/26/04	Pike Island	Zn (ug/L)	7.05	7400	ok	9.47	133.98	132.89	ok			
03/04/04	Pike Island	Zn (ug/L)	28.00	7400	ok	4.76	128.36	127.32	ok			
05/12/04	Pike Island	Zn (ug/L)	6.07	7400	ok				no data			
07/15/04	Pike Island	Zn (ug/L)	4.91	7400	ok	<1	141.08	139.93	ok			
09/29/04	Pike Island	Zn (ug/L)	21.17	7400	ok				no data			
11/04/04	Pike Island	Zn (ug/L)	4.61	7400	ok	<1	142.39	141.24	ok			
01/20/05	Pike Island	Zn (ug/L)	16.15	7400	ok	8.58	102.64	101.81	ok			
03/16/05	Pike Island	Zn (ug/L)	19.94	7400	ok	8.00	121.55	120.56	ok			
05/12/05	Pike Island	Zn (ug/L)	5.16	7400	ok	1.30	126.41	125.38	ok			
07/14/05	Pike Island	Zn (ug/L)	3.38	7400	ok	1.08	138.29	137.17	ok			
11/04/03	R.C. Byrd	Zn (ug/L)	8.60	7400	ok	2.28			insufficient data			
01/13/04	R.C. Byrd	Zn (ug/L)	11.72	7400	ok	2.23	102.49	101.66	ok			
03/11/04	R.C. Byrd	Zn (ug/L)	17.27	7400	ok	1.17	80.31	79.66	ok			
05/05/04	R.C. Byrd	Zn (ug/L)	13.31	7400	ok	<1	103.33	102.49	ok			
07/13/04	R.C. Byrd	Zn (ug/L)	9.12	7400	ok	<1	145.42	144.24	ok			
09/16/04	R.C. Byrd	Zn (ug/L)	9.95	7400	ok	1.57	113.28	112.37	ok			
11/11/04	R.C. Byrd	Zn (ug/L)	12.10	7400	ok	<1	139.28	138.15	ok			
01/04/05	R.C. Byrd	Zn (ug/L)	7.63	7400	ok	1.48	119.86	118.88	ok			
03/15/05	R.C. Byrd	Zn (ug/L)	5.50	7400	ok	2.64	95.77	94.99	ok			
05/04/05	R.C. Byrd	Zn (ug/L)	5.39	7400	ok	<1	83.78	83.10	ok			
07/12/05	R.C. Byrd	Zn (ug/L)	6.70	7400	ok	<1	137.08	135.96	ok			
11/24/03	Smithland	Zn (ug/L)	34.00	7400	ok	<1	117.62	116.66	ok			
01/27/04	Smithland	Zn (ug/L)	12.01	7400	ok	<1	187.42	185.90	ok			
03/08/04	Smithland	Zn (ug/L)	16.00	7400	ok	1.66	179.00	177.55	ok			
05/24/04	Smithland	Zn (ug/L)	9.87	7400	ok	<1	174.35	172.94	ok			
07/06/04	Smithland	Zn (ug/L)	3.44	7400	ok	<1	174.48	173.06	ok			
09/08/04	Smithland	Zn (ug/L)	2.24	7400	ok	1.11	172.40	171.00	ok			
11/16/04	Smithland	Zn (ug/L)	24.95	7400	ok	4.67	179.79	178.34	ok			
01/27/05	Smithland	Zn (ug/L)	26.96	7400	ok	<1	128.49	127.45	ok			
03/21/05	Smithland	Zn (ug/L)	5.61	7400	ok	3.15	176.18	174.75	ok			
05/24/05	Smithland	Zn (ug/L)	5.91	7400	ok	1.22	170.20	168.82	ok			
07/12/05	Smithland	Zn (ug/L)	1.76	7400	ok	<1	154.04	152.79	ok			
11/20/03	West Point	Zn (ug/L)	28.00	7400	ok	1.38	103.36	102.52	ok			
01/29/04	West Point	Zn (ug/L)	11.18	7400	ok	3.30	153.65	152.40	ok			
03/09/04	West Point	Zn (ug/L)	21.00	7400	ok	1.08	148.11	146.91	ok			
05/25/04	West Point	Zn (ug/L)	26.00	7400	ok	1.15	172.02	170.62	ok			
07/07/04	West Point	Zn (ug/L)	7.00	7400	ok	1.09	177.92	176.47	ok			
09/09/04	West Point	Zn (ug/L)	5.11	7400	ok	1.87	176.68	175.25	ok			
11/17/04	West Point	Zn (ug/L)	9.46	7400	ok	1.45	174.99	173.57	ok			
01/27/05	West Point	Zn (ug/L)	23.62	7400	ok	<1	136.47	135.36	ok			
03/22/05	West Point	Zn (ug/L)	7.93	7400	ok	4.97	164.95	163.61	ok			
05/23/05	West Point	Zn (ug/L)	10.38	7400	ok	1.35	164.74	163.40	ok			
07/13/05	West Point	Zn (ug/L)	3.51	7400	ok	2.02	176.79	175.36	ok			
11/04/03	Willow Island	Zn (ug/L)	2.52	7400	ok				no data			
01/13/04	Willow Island	Zn (ug/L)	19.72	7400	ok	3.20	106.76	105.89	ok			
03/11/04	Willow Island	Zn (ug/L)	20.00	7400	ok	1.04	90.01	89.28	ok			
05/05/04	Willow Island	Zn (ug/L)	3.59	7400	ok				no data			
07/13/04	Willow Island	Zn (ug/L)	2.30	7400	ok	<1	137.31	136.20	ok			
09/16/04	Willow Island	Zn (ug/L)	8.26	7400	ok	1.45	87.30	86.59	ok			
11/11/04	Willow Island	Zn (ug/L)	4.29	7400	ok	<1	158.96	157.67	ok			
01/04/05	Willow Island	Zn (ug/L)	32.26	7400	ok	2.52	116.41	115.46	ok			
01/28/05	Willow Island	Zn (ug/L)	15.39	7400	ok				no data			
02/01/05	Willow Island	Zn (ug/L)	21.99	7400	ok	8.42			insufficient data			
02/03/05	Willow Island	Zn (ug/L)	13.68	7400	ok	8.73			insufficient data			
03/15/05	Willow Island	Zn (ug/L)	8.93	7400	ok	3.30	124.34	123.33	ok			
05/04/05	Willow Island	Zn (ug/L)	4.94	7400	ok	2.24	128.63	127.59	ok			
07/12/05	Willow Island	Zn (ug/L)	5.94	7400	ok	1.38	163.27	161.95	ok			

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
New Cumberland	12-Nov-03	6.10	58.00	104.00	0.03	0.27	<0.03	5.57	ok	1.20	<5	<0.005	17	2.48	*7.2*	14.0	300
New Cumberland	26-Jan-04	16.00	80.00	156.00	0.04	0.29	0.14	8.24	ok	1.62	<5.0	<0.005	37	1.21	*7.3*	0.0	
New Cumberland	04-Mar-04	13.00	66.00	120.00	0.05	0.20	0.16	2.43	ok	1.43	<5.0	<0.005	30	2.18	8	6.0	
New Cumberland	12-May-04	7.60	72.00	150.00	0.09	0.39	<0.03	3.32	ok	1.10	<5.0		27	4.38	7.4	20.0	345
New Cumberland	15-Jul-04	10.30	94.00	140.00	0.07	0.26	0.06	2.26	ok	1.10			32	7.67	7.4	26.0	450
New Cumberland	23-Sep-04	19.00	54.00	84.00	0.05	0.69	0.10	4.83	ok	0.61			13	6.8	7.1	17.0	220
New Cumberland	04-Nov-04	3.00	110.00	140.00	0.03	1.82	<0.03	5.15	ok			0.005	22	2.11	7.1	16.0	390
New Cumberland	20-Jan-05	12.50	64.00	88.00	0.04	0.89	0.06	6.46	ok	1.01		<0.005	16	1.98	*7.60*	4.0	240
New Cumberland	16-Mar-05	8.00	70.00	116.00	0.05	0.69	0.08	4.36	ok	0.88		<0.005	53	2.41	*7.50*	5.0	370
New Cumberland	12-May-05	8.40	64.00	104.00	0.05	1.16	<0.03	3.72	ok	0.85	<5.0		22	5.36	*7.50*	17.0	300
New Cumberland	14-Jul-05	8.00	80.00	136.00	0.03	0.66	0.04	1.72	ok	0.93	<5.0		46	3.92	*7.50*	29.0	490
	# Samples	11	11	11	11	11	11			10	6	6.000	11	11	11	11.0	9
	# Detects	11	11	11	11	11	7			10	0	1.000	11	11	5	10.0	9
	Maximum	19.00	110.00	156.00	0.09	1.82	0.16			1.62		0.005	53.00	7.67	8.00	29.0	490.00
	Minimum	3.00	54.00	84.00	0.03	0.20	0.04			0.61			13.00	1.21	7.10	0.0	220.00
	Mean	10.17	73.82	121.64	0.05	0.67	0.09			1.07			28.64	3.68	7.42	14.0	345.00
	Std. Dev.	4.61	16.45	24.64	0.02	0.49	0.04			0.29			12.68	2.14	0.26	9.3	90.42
Pike Island	12-Nov-03	6.10	58.00	96.00	0.02	0.36	<0.03	5.94	ok	1.30	<5	<0.005	10.00	2.26	*7.20*	13.0	300.00
Pike Island	26-Jan-04	4.70	98.00	164.00	0.08	0.22	0.15	8.75	ok	1.64	<5.0	<0.005	52.00	1.06	*7.20*	0.0	450.00
Pike Island	04-Mar-04	30.00	69.00	112.00	0.16	0.34	0.21	1.52	ok	0.90	<5.0	<0.005	36.00	2.58	8.30	6.0	360.00
Pike Island	12-May-04	6.80	78.00	140.00	0.06	0.32	<0.03	3.32	ok	0.69	<5.0		24.00	4.40	7.40	20.0	350.00
Pike Island	15-Jul-04	9.33	100.00	130.00	0.06	0.29	0.08	1.90	ok	0.83			32.00	7.88	7.60	26.0	370.00
Pike Island	23-Sep-04	55.00	58.00	84.00	0.10	0.83	0.05	4.53	ok	0.61			12.00	7.59	7.10	18.0	230.00
Pike Island	04-Nov-04	2.00	130.00	152.00	0.02	1.09	<0.03	4.23	ok			<0.005	25.00	2.20	7.50	15.0	410.00
Pike Island	20-Jan-05	17.00	66.00	92.00	0.05	1.16	0.06	6.46	ok	0.98		<0.005	16.00	2.15	*7.60*	3.0	230.00
Pike Island	16-Mar-05	12.80	70.00	152.00	0.04	0.51	0.08	4.36	ok	0.87		<0.005	56.00	2.50	*7.50*	6.0	380.00
Pike Island	12-May-05	7.60	78.00	120.00	<0.010	0.80	<0.03	4.23	ok	0.51	<5.0		20.00	5.26	*7.50*	15.0	330.00
Pike Island	14-Jul-05	3.33	120.00	152.00	0.03	0.60	0.06	1.83	ok	0.96	<5.0		46.00	3.48	*7.50*	28.0	520.00
	# Samples	11	11	11	10	11	11			10	6	6.000	11	11	11	11.0	11
	# Detects	11	11	11	9	11	7			10	0	0.000	11	11	5	11.0	11
	Maximum	55.00	130.00	164.00	0.16	1.16	0.21			1.64			56.00	7.88	8.30	28.0	520.00
	Minimum	2.00	58.00	84.00	0.02	0.22	0.05			0.51			10.00	1.06	7.10	0.0	230.00
	Mean	14.06	84.09	126.73	0.06	0.59	0.10			0.93			29.91	3.76	7.49	13.6	357.27
	Std. Dev.	15.71	24.56	27.80	0.04	0.33	0.06			0.33			15.93	2.28	0.32	9.2	86.61
Hannibal	12-Nov-03	83.00	53.00	112.00	0.19	0.42	0.03	3.95	ok	1.40	<5	0.006	12.00	5.09	*7.70*	13.0	300.00
Hannibal	26-Jan-04	7.60	95.00	160.00	0.03	0.26	0.15	5.81	ok	1.61	<5.0	<0.005	36.00	1.41	*7.70*	1.0	430.00
Hannibal	04-Mar-04	31.00	70.00	120.00	0.07	<0.17	0.30	1.79	ok	1.15	<5.0	<0.005	34.00	2.44	8.20	8.0	370.00
Hannibal	12-May-04	6.00	84.00	100.00	0.09	0.38	<0.03	2.87	ok	0.98	<5.0		35.00	4.50	7.50	21.0	350.00
Hannibal	15-Jul-04	8.80	110.00	140.00	0.06	0.25	0.09	1.78	ok	0.84			32.00	8.48	7.60	27.0	460.00
Hannibal	23-Sep-04	50.00	65.00	88.00	0.09	0.89	0.04	4.04	ok	0.63			13.00	7.49	7.20	19.0	230.00
Hannibal	04-Nov-04	6.57	130.00	164.00	0.13	1.32	<0.03	4.59	ok			0.008	25.00	2.03	7.40	15.0	430.00
Hannibal	20-Jan-05	23.40	72.00	92.00	0.03	0.70	0.05	3.95	ok	1.00		<0.005	16.00	2.00	*8.00*	3.0	250.00
Hannibal	16-Mar-05	11.00	80.00	80.00		0.72	0.08	2.80	ok	0.81		<0.005	43.00	2.93	*7.90*	6.0	380.00
Hannibal	12-May-05	7.20	90.00	134.00	0.03	1.01	<0.03	2.54	ok	0.77	<5.0		24.00	5.47	*7.90*	16.0	380.00
Hannibal	14-Jul-05	6.33	120.00	152.00	0.01	0.24	0.06	1.10	ok	0.92	<5.0		52.00	3.45	*7.90*	29.0	530.00
	# Samples	11	11	11	10	11	11			10	6	6.000	11	11	11	11.0	11
	# Detects	11	11	11	10	10	8			10	0	2.000	11	11	5	11.0	11
	Maximum	83.00	130.00	164.00	0.19	1.32	0.30			1.61		0.008	52.00	8.48	8.20	29.0	530.00
	Minimum	6.00	53.00	80.00	0.01	0.24	0.03			0.63			12.00	1.41	7.20	1.0	230.00
	Mean	21.90	88.09	122.00	0.07	0.62	0.10			1.01			29.27	4.12	7.73	14.4	373.64
	Std. Dev.	24.59	23.96	29.97	0.06	0.37	0.09			0.30			12.64	2.33	0.29	9.3	89.58

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
Willow Island	04-Nov-03	6.10	60.00	124.00	0.08	0.36	0.06	3.97	ok	1.20	**8.80**	<0.005	33.00	2.41	*7.50*	16.0	320.00
Willow Island	13-Jan-04	27.00	53.00	120.00	0.04	0.18	0.05	7.09	ok	1.40	<5.0	<0.005	15.00	2.50	*7.50*	4.0	260.00
Willow Island	11-Mar-04	71.70	34.00	76.00	0.13	0.34	0.07	4.36	ok	1.02	<5.0	<0.005	18.00	2.57	7.50	8.0	220.00
Willow Island	05-May-04	6.00	88.00	150.00	0.03	0.24	0.05	3.39	ok	1.20	<5.0		22.00	3.77	7.60	17.0	320.00
Willow Island	13-Jul-04	4.75	92.00	130.00	0.05	0.26	0.05	1.33	ok	0.74			34.00	7.78	7.80	28.0	410.00
Willow Island	16-Sep-04	16.00	52.00	76.00	0.07	0.77	0.11	2.57	ok	0.62			14.00	7.14	7.40	24.0	230.00
Willow Island	11-Nov-04	3.20	96.00	140.00	0.02	1.83	<0.03	4.51	ok			<0.005	25.00	1.96	7.50	14.0	380.00
Willow Island	04-Jan-05	44.00	68.00	108.00	0.07	1.15	0.14	3.95	ok	0.69		<0.005	23.00	2.16	8.00	6.0	280.00
Willow Island	15-Mar-05	9.50	80.00	128.00	0.05	0.55	0.07	2.80	ok	0.82		<0.005	41.00	2.30	*7.90*	8.0	340.00
Willow Island	04-May-05	11.70	76.00	126.00	0.04	1.52	<0.03	2.80	ok	0.69	<5.0		24.00	5.93	*7.90*	14.0	360.00
Willow Island	12-Jul-05	<1	130.00	168.00	0.01	1.29	<0.03	1.17	ok	0.83	<5.0		50.00	3.53	*7.90*	28.0	550.00
	# Samples	11	11	11	11	11	11			10	6	6.000	11	11	11	11.0	11
	# Detects	10	11	11	11	11	8			10	1	0.000	11	11	6	11.0	11
	Maximum	71.70	130.00	168.00	0.13	1.83	0.14			1.40			50.00	7.78	8.00	28.0	550.00
	Minimum	3.20	34.00	76.00	0.01	0.18	0.05			0.62			14.00	1.96	7.40	4.0	220.00
	Mean	20.00	75.36	122.36	0.05	0.77	0.08			0.92			27.18	3.82	7.68	15.2	333.64
	Std. Dev.	22.10	26.30	27.88	0.03	0.58	0.03			0.27			11.21	2.12	0.22	8.5	93.73
Belleville	04-Nov-03	4.20	65.00	120.00	0.03	0.28	0.06	4.23	ok	1.20	<5	<0.005	23.00	2.63	*7.50*	15.0	370.00
Belleville	13-Jan-04	33.00	52.00	128.00	0.16	0.80	0.06	7.09	ok	1.17	<5.0	<0.005	14.00	2.92	*7.50*	4.0	290.00
Belleville	11-Mar-04	38.30	54.00	96.00	0.11	0.33	0.05	4.36	ok	1.38	<5.0	<0.005	20.00	2.45	7.50	8.0	260.00
Belleville	05-May-04	9.30	90.00	160.00	0.10	0.22	0.07	3.39	ok	0.90	<5.0		26.00	4.37	7.60	17.0	400.00
Belleville	13-Jul-04	3.10	90.00	140.00	0.03	0.27	0.11	1.33	ok	0.78			30.00	8.98	7.80	28.0	460.00
Belleville	16-Sep-04	25.00	58.00	92.00	0.08	0.80	0.14	2.21	ok	0.67			16.00	8.21	7.70	22.0	270.00
Belleville	11-Nov-04	6.29	100.00	160.00	0.03	2.16	<0.03	4.81	ok			<0.005	24.00	2.33	*7.50*	13.0	420.00
Belleville	04-Jan-05	46.00	80.00	128.00	0.11	1.24	0.10	2.73	ok	1.16		<0.005	28.00	2.39	8.20	8.0	360.00
Belleville	15-Mar-05	14.80	90.00	140.00	0.11	0.43	0.06	2.80	ok	0.85		<0.005	42.00	3.08	*7.90*	9.0	400.00
Belleville	04-May-05	18.60	84.00	146.00	0.04	1.22	<0.03	2.80	ok	0.93	<5.0		26.00	7.07	*7.90*	13.0	380.00
Belleville	12-Jul-05	4.86	110.00	172.00	<0.010	1.04	0.05	1.17	ok	0.76	<5.0		48.00	3.78	*7.90*	28.0	540.00
	# Samples	11	11	11	11	11	11			10	6	6.000	11	11	11	11.0	11
	# Detects	11	11	11	10	11	9			10	0	0.000	11	11	5	11.0	11
	Maximum	46.00	110.00	172.00	0.16	2.16	0.14			1.38			48.00	8.98	8.20	28.0	540.00
	Minimum	3.10	52.00	92.00	0.03	0.22	0.05			0.67			14.00	2.33	7.50	4.0	260.00
	Mean	18.50	79.36	134.73	0.08	0.80	0.08			0.98			27.00	4.38	7.73	15.0	377.27
	Std. Dev.	15.09	19.44	25.46	0.04	0.59	0.03			0.23			10.21	2.49	0.23	8.1	83.32
RC Byrd	04-Nov-03	21.00	52.00	96.00	0.06	0.27	0.06	4.23	ok	0.72	<5	<0.005	16.00	2.24	*7.50*	15.0	320.00
RC Byrd	13-Jan-04	31.00	39.00	104.00	0.05	0.34	0.04	7.09	ok	1.34	<5.0	0.007	14.00	2.97	*7.50*	5.0	230.00
RC Byrd	11-Mar-04	48.30	36.00	68.00	0.09	0.25	0.05	4.36	ok	1.52	<5.0	<0.005	15.00	2.01	7.50	7.0	200.00
RC Byrd	05-May-04	51.00	57.00	110.00	0.14	0.36	0.11	4.30	ok	1.00	<5.0		13.00	4.01	7.40	16.0	250.00
RC Byrd	13-Jul-04	39.00	68.00	130.00	0.06	0.38	0.07	1.67	ok	0.84			22.00	9.16	7.60	28.0	380.00
RC Byrd	16-Sep-04	31.00	54.00	92.00	0.08	0.76	<0.030	3.24	ok	0.71			15.00	7.95	7.30	21.5	280.00
RC Byrd	11-Nov-04	33.60	90.00	124.00	0.06	1.48	0.03	3.99	ok			<0.005	16.00	2.09	*7.80*	11.0	330.00
RC Byrd	04-Jan-05	13.50	64.00	112.00	0.06	0.99	0.09	5.84	ok	0.94		0.006	21.00	1.81	7.50	10.0	290.00
RC Byrd	15-Mar-05	16.00	50.00	96.00	0.06	0.72	0.05	3.58	ok	0.79		<0.005	30.00	2.24	*7.70*	5.0	290.00
RC Byrd	04-May-05	21.30	34.00	68.00	0.06	1.42	0.03	3.58	ok	0.61	<5.0		7.00	5.00	*7.70*	11.0	190.00
RC Byrd	12-Jul-05	16.80	80.00	136.00	0.24	1.77	0.08	1.60	ok	0.56	<5.0		32.00	3.17	*7.70*	27.0	420.00
	# Samples	11	11	11	11	11	11			10	6	6.000	11	11	11	11.0	11
	# Detects	11	11	11	11	11	10			10	0	2.000	11	11	5	11.0	11
	Maximum	51.00	90.00	136.00	0.24	1.77	0.11			1.52		0.010	32.00	9.16	7.80	28.0	420.00
	Minimum	13.50	34.00	68.00	0.05	0.25	0.03			0.56			7.00	1.81	7.30	5.0	190.00
	Mean	29.32	56.73	103.27	0.09	0.79	0.06			0.90			18.27	3.88	7.56	14.2	289.09
	Std. Dev.	12.91	17.79	22.49	0.06	0.55	0.03			0.31			7.43	2.52	0.15	8.2	71.34

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
Greenup	03-Nov-03	5.10	60.00	128.00	0.07	0.25	<0.03	4.23	ok	0.81	5.00		21.00	2.34	*7.50*	15.0	340.00
Greenup	12-Jan-04	45.00	51.00	112.00	0.17	0.32	0.07	7.09	ok	2.94	<5.0		13.00	5.65	*7.50*	6.0	260.00
Greenup	11-Mar-04	88.30	44.00	92.00	0.19	0.39	0.04	4.36	ok	2.85	<5.0		20.00	3.87	*7.50*	*7.0*	
Greenup	26-May-04	176.00	63.00	120.00	0.62	2.40	<0.03	4.30	ok	2.70	<5.0		33.00	6.32	*7.40*	*16.0*	
Greenup	12-Jul-04	8.00	72.00	130.00	0.05	1.92	0.30	1.33	ok	1.80			19.00	6.95	7.80	28.0	380.00
Greenup	15-Sep-04	31.00	56.00	104.00	0.07	0.84	<0.030	1.71	ok	0.99			16.00	5.89	7.70	26.0	310.00
Greenup	10-Nov-04	15.00	84.00	120.00	0.05	1.47	<0.03	3.29	ok				16.00	2.77	7.80	14.0	330.00
Greenup	03-Jan-05	13.30	82.00	124.00	0.06	0.58	0.09	2.04	ok	0.99			22.00	2.13	8.30	10.0	330.00
Greenup	23-Mar-05	11.60	66.00	132.00	0.06	0.49	0.04	2.80	ok	0.73			31.00	2.67	*7.90*	*5.0*	
Greenup	24-May-05	16.40	80.00	132.00	0.03	2.54	<0.03	2.80	ok	0.65	<5.0		24.00	6.82	*7.90*	*11.0*	
Greenup	14-Jul-05	3.33	90.00	140.00	0.01	1.10	0.07	1.25	ok	0.69	<5.0		38.00	3.17	*7.90*	*27.0*	
	# Samples	11	11	11	11	11	11			10	6	0.000	11	11	11	11.0	6
	# Detects	11	11	11	11	11	6			10	1	0.000	11	11	4	6.0	6
	Maximum	176.00	90.00	140.00	0.62	2.54	0.30			2.94	5.00		38.00	6.95	8.30	28.0	380.00
	Minimum	3.33	44.00	92.00	0.01	0.25	0.04	1.25		0.65			13.00	2.13	7.40	5.0	260.00
	Mean	37.55	68.00	121.27	0.13	1.12	0.10			1.51			23.00	4.42	7.75	15.0	325.00
	Std. Dev.	52.11	14.83	13.98	0.17	0.84	0.10			0.97			7.86	1.91	0.26	8.5	39.37
Meldahl	16-Nov-03	220.00	33.00	88.00	0.56	0.78	0.04	4.23	ok	2.30	<5		9.00	6.75	*7.50*	*15.0*	
Meldahl	15-Jan-04	58.00	48.00	120.00	0.05	0.33	0.05	7.09	ok	2.33	<5.0		10.00	2.70	*7.50*	*6.0*	
Meldahl	11-Mar-04	95.00	53.00	96.00	0.28	0.39	0.04	4.36	ok	1.97	<5.0		15.00	4.59	*7.50*	*7.0*	
Meldahl	01-May-04	24.00	62.00	120.00	0.11	0.25	<0.03	4.30	ok	1.60	<5.0		15.00	5.99	*7.40*	*16.0*	
Meldahl	18-Jul-04	8.00	74.00	140.00	0.04	0.19	0.12	1.33	ok	0.82			15.00	7.66	*7.80*	*28.0*	
Meldahl	26-Sep-04	46.00	54.00	96.00	0.04	1.05	0.03	1.71	ok	0.69			12.00	7.90	*7.70*	*26.0*	
Meldahl	21-Nov-04	33.50	70.00	128.00	0.07	0.60	<0.03	3.29	ok	0.61			16.00	2.43	*7.80*	*14.0*	
Meldahl	30-Jan-05	30.70	58.00	128.00	0.08	1.73	0.04	2.04	ok	1.18			20.00	6.11	*8.30*	*10.0*	
Meldahl	23-Mar-05	10.00	60.00	144.00	0.05	0.36	0.03	2.80	ok	0.78			31.00	2.96	*7.90*	*5.0*	
Meldahl	22-May-05	23.00	90.00	140.00	0.06	1.89	0.03	2.80	ok	0.69	<5.0		22.00	8.22	*7.90*	*11.0*	
Meldahl	24-Jul-05	6.67	130.00	144.00	0.02	0.47	<0.03	1.25	ok	0.54	<5.0		35.00	4.30	*7.90*	*27.0*	
	# Samples	11	11	11	11	11	11			11	6	0.000	11	11	11	11.0	0
	# Detects	11	11	11	11	11	8			11	0	0.000	11	11	0	0.0	0
	Maximum	220.00	130.00	144.00	0.56	1.89	0.12			2.33			35.00	8.22			
	Minimum	6.67	33.00	88.00	0.02	0.19	0.03			0.54			9.00	2.43			
	Mean	50.44	66.55	122.18	0.12	0.73	0.05			1.23			18.18	5.42			
	Std. Dev.	61.88	25.67	20.50	0.16	0.59	0.03			0.70			8.30	2.14			
Anderson Ferry	20-Nov-03	70.00	46.00	120.00	0.86	0.39	0.04	4.23	ok	0.72	<5		12.00	3.73	*7.50*	*15.0*	
Anderson Ferry	15-Jan-04	62.00	47.00	160.00	0.05	0.83	0.07	7.09	ok	2.31	<5.0		12.00	3.30	*7.50*	*6.0*	
Anderson Ferry	10-Mar-04	180.00	43.00	92.00	0.49	0.56	0.11	4.36	ok	0.98	<5.0		25.00	6.36	*7.50*	*7.0*	
Anderson Ferry	26-May-04	122.00	64.00	130.00	0.39	1.37	<0.03	4.30	ok	1.50	<5.0		20.00	6.27	*7.40*	*16.0*	
Anderson Ferry	14-Jul-04	14.00	68.00	120.00	0.04	0.30	0.05	1.33	ok	0.99			20.00	8.45	*7.80*	*28.0*	
Anderson Ferry	24-Sep-04	96.70	50.00	92.00	0.08	0.73	0.08	1.71	ok	0.63			14.00	12.30	*7.70*	*26.0*	
Anderson Ferry	18-Nov-04	25.00	88.00	132.00	0.09	0.93	0.12	3.29	ok	0.84			20.00	2.49	*7.80*	*14.0*	
Anderson Ferry	25-Jan-05	59.00	52.00	120.00	0.13	1.54	0.06	2.04	ok	1.11			20.00	2.64	*8.30*	*10.0*	
Anderson Ferry	24-Mar-05	28.00	60.00	148.00	0.10	0.59	0.07	2.80	ok	0.84			36.00	4.35	*7.90*	*5.0*	
Anderson Ferry	11-May-05	12.70	68.00	132.00	0.05	0.80	0.11	2.80	ok	0.93	<5.0		21.00	7.25	*7.90*	*11.0*	
Anderson Ferry	22-Jul-05	7.00	100.00	152.00	0.04	0.44	0.06	1.25	ok	0.66	<5.0		37.00	4.45	*7.90*	*27.0*	
	# Samples	11	11	11	11	11	11			11	6	0.000	11	11	11	11.0	0
	# Detects	11	11	11	11	11	10			11	0	0.000	11	11	0	0.0	0
	Maximum	180.00	100.00	160.00	0.86	1.54	0.12			2.31			37.00	12.30			
	Minimum	7.00	43.00	92.00	0.04	0.30	0.04			0.63			12.00	2.49			
	Mean	61.49	62.36	127.09	0.21	0.77	0.08			1.05			21.55	5.60			
	Std. Dev.	53.93	18.12	21.93	0.26	0.39	0.03			0.48			8.42	2.95			

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
Markland	16-Nov-03	100.00	32.00	104.00	0.30	0.47	0.04	3.29	ok	1.90	<5		19.00	6.61	*7.90*	*12.0*	
Markland	21-Jan-04	44.00	48.00	144.00	0.15	0.38	0.06	4.54	ok	0.94	<5.0		14.00	3.59	*7.90*	*1.0*	
Markland	10-Mar-04	215.00	45.00	104.00	0.67	0.66	0.22	3.58	ok	2.26	<5.0		25.00	6.54	*7.70*	*9.0*	
Markland	01-May-04	29.20	62.00	150.00	0.18	0.72	0.03	2.79	ok	1.40	<5.0		18.00	6.27	*7.60*	*20.0*	
Markland	18-Jul-04	9.00	70.00	140.00	0.02	0.21	0.04	1.02	ok	1.00			20.00	3.64	*8.00*	*28.0*	
Markland	26-Sep-04	35.00	50.00	104.00	0.09	0.87	<0.030	1.52	ok	0.70			12.00	8.32	*7.80*	*26.0*	
Markland	21-Nov-04	43.00	74.00	132.00	0.16	0.91	0.03	2.71	ok	0.83			16.00	3.15	*7.90*	*15.0*	
Markland	30-Jan-05	35.00	56.00	140.00	0.09	1.02	0.06	5.81	ok	1.41			22.00	3.60	*7.70*	*5.0*	
Markland	24-Mar-05	10.80	64.00	148.00	0.05	0.44	0.06	2.43	ok	0.83			72.00	3.06	*8.00*	*6.0*	
Markland	22-May-05	22.80	76.00	148.00	0.05	2.24	0.06	2.23	ok	0.96	<5.0		28.00	8.23	*7.80*	*20.0*	
Markland	24-Jul-05	3.78	100.00	148.00	0.04	0.46	<0.03	1.33	ok	0.58	<5.0		35.00	6.05	*7.90*	*26.0*	
	# Samples	11	11	11	11	11	11			11	6	0.000	11	11	11	11.0	0
	# Detects	11	11	11	11	11	9			11	0	0.000	11	11	0	0.0	0
	Maximum	215.00	100.00	150.00	0.67	2.24	0.22			2.26			72.00	8.32			
	Minimum	3.78	32.00	104.00	0.02	0.21	0.03			0.58			12.00	3.06			
	Mean	49.78	61.55	132.91	0.16	0.76	0.07			1.16			25.55	5.37			
	Std. Dev.	60.65	18.48	19.25	0.19	0.55	0.06			0.52			16.75	2.02			
Louisville	20-Nov-03	66.00	33.00	120.00	0.44	0.44	0.03	3.29	ok	2.80	<5		9.00	4.77	*7.90*	*12.0*	
Louisville	29-Jan-04	29.00	55.00	152.00	0.21	0.41	0.07	4.54	ok	1.73	<5.0		20.00	2.44	*7.90*	*1.0*	
Louisville	09-Mar-04	167.00	59.00	140.00	0.44	0.62	0.11	3.58	ok	1.30	<5.0		25.00	5.85	*7.70*	*9.0*	
Louisville	25-May-04	54.00	76.00	160.00	0.27	0.65	0.04	2.79	ok	1.10	<5.0		50.00	4.77	*7.60*	*20.0*	
Louisville	07-Jul-04	18.70	73.00	130.00	0.16	0.28	0.06	1.02	ok	1.20			20.00	6.83	*8.00*	*28.0*	
Louisville	23-Sep-04	380.00	50.00	108.00	0.48	1.75	0.09	1.52	ok	0.61			10.00	16.40	*7.80*	*26.0*	
Louisville	29-Nov-04	42.40	75.00	160.00	0.15	0.83	0.08	2.71	ok	1.08			15.00	4.22	*7.90*	*15.0*	
Louisville	26-Jan-05	52.00	50.00	128.00	0.12	1.74	0.05	5.81	ok	1.26			16.00	3.67	*7.70*	*5.0*	
Louisville	22-Mar-05	20.00	58.00	148.00	0.10	0.73	0.04	2.43	ok	0.97			45.00	3.54	*8.00*	*6.0*	
Louisville	31-May-05	64.00	76.00	164.00	0.09	2.14	<0.03	2.23	ok	0.91	<5.0		28.00	8.93	*7.80*	*20.0*	
Louisville	18-Jul-05	8.00	100.00	168.00	0.04	0.77	<0.03	1.33	ok	0.84	<5.0		33.00	4.49	*7.90*	*26.0*	
	# Samples	11	11	11	11	11	11			11	6	0.000	11	11	11	11.0	0
	# Detects	11	11	11	11	11	9			11	0	0.000	11	11	0	0.0	0
	Maximum	380.00	100.00	168.00	0.48	2.14	0.11			2.80			50.00	16.40			
	Minimum	8.00	33.00	108.00	0.04	0.28	0.03			0.61			9.00	2.44			
	Mean	81.92	64.09	143.45	0.23	0.94	0.06			1.25			24.64	5.99			
	Std. Dev.	107.70	18.11	19.76	0.16	0.63	0.03			0.59			13.45	3.87			
West Point	20-Nov-03	140.00	40.00	140.00	0.52	0.60	0.03	3.29	ok	1.40	<5		13.00	6.05	*7.90*	*12.0*	
West Point	29-Jan-04	77.00	50.00	192.00	0.19	0.67	0.08	4.54	ok	1.80	<5.0		22.00	2.34	*7.90*	*1.0*	
West Point	09-Mar-04	330.00	69.00	168.00	1.20	0.88	0.25	3.58	ok	1.61	<5.0		30.00	5.89	*7.70*	*9.0*	
West Point	25-May-04	94.00	80.00	100.00	0.60	0.95	0.06	2.79	ok	1.10	<5.0		36.00	4.82	*7.60*	*20.0*	
West Point	07-Jul-04	29.00	88.00	160.00	0.16	0.43	0.06	1.02	ok	1.30			22.00	7.92	*8.00*	*28.0*	
West Point	23-Sep-04	255.00	41.00	104.00	0.35	1.27	0.05	1.52	ok	0.62			10.00	11.80	*7.80*	*26.0*	
West Point	29-Nov-04	42.00	75.00	156.00	0.17	1.16	0.09	2.71	ok	0.94			16.00	2.99	*7.90*	*15.0*	
West Point	26-Jan-05	61.30	54.00	132.00	0.15	2.18	0.10	5.81	ok	1.20			18.00	4.87	*7.70*	*5.0*	
West Point	22-Mar-05	102.00	66.00	180.00	0.29	1.05	0.16	2.43	ok	0.95			57.00	4.56	*8.00*	*6.0*	
West Point	31-May-05	19.70	84.00	160.00	0.06	2.10	0.17	2.23	ok	0.97	<5.0		32.00	8.83	*7.80*	*20.0*	
West Point	18-Jul-05	275.00	100.00	172.00	0.40	1.93	0.47	1.33	ok	1.14	<5.0		35.00	6.01	*7.90*	*26.0*	
	# Samples	11	11	11	11	11	11			11	6	6.000	11	11	11	11.0	0
	# Detects	11	11	11	11	11	11			11	0	0.000	11	11	0	0.0	0
	Maximum	330.00	100.00	192.00	1.20	2.18	0.47			1.80			57.00	11.80			
	Minimum	19.70	40.00	100.00	0.06	0.43	0.03			0.62			10.00	2.34			
	Mean	129.55	67.91	151.27	0.37	1.20	0.14			1.18			26.45	6.01			
	Std. Dev.	107.92	19.78	29.55	0.32	0.61	0.13			0.33			13.46	2.69			

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
Cannelton	13-Nov-03	39.00	55.00	160.00	0.21	0.34	<0.03	3.29	ok	0.76	<5		16.00	2.94	7.90	12.0	380.00
Cannelton	14-Jan-04	110.00	37.00	100.00	0.10	0.46	0.05	4.54	ok	2.12	<5.0		8.00	3.50	*7.90*	*1.0*	
Cannelton	09-Mar-04	157.00	67.00	156.00	0.60	0.51	0.14	3.58	ok	1.53	<5.0		35.00	7.53	*7.70*	*9.0*	
Cannelton	25-May-04	76.00	70.00	92.00	0.33	1.42	0.04	2.79	ok	1.20	<5.0		33.00	5.61	*7.60*	*20.0*	
Cannelton	15-Jul-04	15.50	62.00	140.00	0.08	0.27	0.03	1.02	ok	1.17			20.00	8.68	8.00	28.0	390.00
Cannelton	09-Sep-04	5.00	68.00	140.00	0.07	0.40	<0.030	1.52	ok	0.98			24.00	8.00	7.80	26.0	380.00
Cannelton	04-Nov-04	35.70	80.00	164.00	0.39	1.21	0.36	2.71	ok				18.00	3.63	7.90	15.0	320.00
Cannelton	06-Jan-05	356.00	75.00	168.00	0.75	2.34	0.03	5.81	ok	1.46			18.00	3.54	7.70	5.0	170.00
Cannelton	22-Mar-05	25.60	62.00	148.00	0.08	0.57	0.05	2.43	ok	0.89			37.00	3.26	*8.00*	*6.0*	
Cannelton	23-May-05	53.30	69.00	144.00	0.13	2.22	0.03	2.23	ok	1.12	<5.0		22.00	10.40	*7.80*	*20.0*	
Cannelton	13-Jul-05	5.75	95.00	148.00	0.02	1.69	0.09	1.33	ok	0.92	<5.0		34.00	4.15	*7.90*	*26.0*	
	# Samples	11	11	11	11	11	11			11	6	0.000	11	11	11	11.0	5
	# Detects	11	11	11	11	11	9			11	0	0.000	11	11	5	5.0	5
	Maximum	356.00	95.00	168.00	0.75	2.34	0.36			2.12			37.00	10.40	8.00	28.0	390.00
	Minimum	5.00	37.00	92.00	0.02	0.27	0.03			0.76			8.00	2.94	7.60	1.0	170.00
	Mean	79.90	67.27	141.82	0.25	1.04	0.09			1.21			24.09	5.57	7.84	15.3	328.00
	Std. Dev.	102.78	14.57	24.55	0.24	0.77	0.11			0.40			9.40	2.63	0.13	9.4	92.57
Newburgh	13-Nov-03	53.00	57.00	172.00	0.11	0.44	<0.03	2.86	ok	0.82	<5		22.00	2.32	8.00	12.0	410.00
Newburgh	22-Jan-04	85.00	50.00	160.00	0.08	0.48	0.06	4.54	ok	2.25	<5.0		14.00	2.37	7.90	1.0	370.00
Newburgh	04-Mar-04	93.00	78.00	168.00	0.23	0.21	0.15	3.58	ok	1.39	<5.0		22.00	3.33	7.70	9.0	460.00
Newburgh	06-May-04	62.70	61.00	150.00	0.26	0.49	0.03	2.79	ok	1.20	<5.0		14.00	6.87	7.60	20.0	360.00
Newburgh	15-Jul-04	20.00	68.00	140.00	0.05	0.26	0.03	0.88	ok	1.25			18.00	9.22	8.10	28.0	430.00
Newburgh	09-Sep-04	7.33	80.00	140.00	0.07	0.42	<0.030	1.33	ok	1.24			22.00	4.89	7.90	26.0	420.00
Newburgh	04-Nov-04	53.30	78.00	152.00	0.13	1.29	0.10	2.54	ok				16.00	3.75	7.90	16.0	310.00
Newburgh	06-Jan-05	212.00	70.00	148.00	0.37	1.71	0.03	6.46	ok	1.37			21.00	3.49	7.60	5.0	280.00
Newburgh	03-Mar-05	38.70	40.00	144.00	0.06	0.92	0.05	2.43	ok				24.00	2.70	8.00	6.0	320.00
Newburgh	12-May-05	34.40	62.00	128.00	0.05	1.29	<0.03	2.23	ok		<5.0		14.00	7.79	7.80	20.0	280.00
Newburgh	14-Jul-05	7.25	90.00	160.00	0.02	0.75	0.08	1.33	ok		<5.0		30.00	3.83	7.90	26.0	450.00
	# Samples	11	11	11	11	11	11			10	6	0.000	11	11	11	11.0	11
	# Detects	11	11	11	11	11	8			10	0	0.000	11	11	11	11.0	11
	Maximum	212.00	90.00	172.00	0.37	1.71	0.15			2.25			30.00	9.22	8.10	28.0	460.00
	Minimum	7.25	40.00	128.00	0.02	0.21	0.03			0.82			14.00	2.32	7.60	1.0	280.00
	Mean	60.61	66.73	151.09	0.13	0.75	0.07			1.36			19.73	4.60	7.85	15.4	371.82
	Std. Dev.	57.60	14.59	13.13	0.11	0.49	0.04			0.44			5.06	2.34	0.16	9.4	66.76
JT Myers	13-Nov-03	48.00	60.00	132.00	0.18	0.36	<0.03	3.29	ok	0.92	<5		22.00	2.26	7.90	12.0	400.00
JT Myers	22-Jan-04	77.00	44.00	176.00	0.13	0.47	0.05	6.46	ok	2.35	<5.0		20.00	2.70	7.60	2.0	330.00
JT Myers	04-Mar-04	33.00	52.00	128.00	0.12	<0.17	0.25	3.58	ok	1.54	<5.0		18.00	2.58	7.70	8.0	400.00
JT Myers	06-May-04	83.00	51.00	120.00	0.23	0.51	<0.03	2.86	ok	0.90	<5.0		12.00	7.76	7.70	18.0	350.00
JT Myers	15-Jul-04	12.00	64.00	130.00	0.07	0.24		1.09	no data	1.29			18.00	9.42	8.00	27.0	400.00
JT Myers	09-Sep-04	9.00	84.00	150.00	0.07	0.64	<0.030	2.07	ok	0.95			27.00	8.12	7.70	23.0	430.00
JT Myers	04-Nov-04	67.50	76.00	148.00	0.16	1.38	0.05	3.85	ok				16.00	3.56	7.60	15.0	300.00
JT Myers	06-Jan-05	153.00	60.00	148.00	0.15	0.97	0.07	5.17	ok	1.21			25.00	3.36	7.80	5.0	290.00
JT Myers	03-Mar-05	44.00	40.00	144.00	0.06	0.83	0.05	3.18	ok	1.18			22.00	2.83	7.80	4.0	340.00
JT Myers	12-May-05	45.00	56.00	124.00	0.05	1.15	<0.03	2.71	ok	1.08	<5.0		11.00	8.37	7.80	17.0	300.00
JT Myers	14-Jul-05	6.40	70.00	164.00	0.03	0.41	0.11	1.71	ok	0.73	<5.0		36.00	4.49	7.70	26.0	460.00
	# Samples	11	11	11	11	11	10			10	6	0.000	11	11	11	11.0	11
	# Detects	11	11	11	11	10	6			10	0	0.000	11	11	11	11.0	11
	Maximum	153.00	84.00	176.00	0.23	1.38	0.25			2.35			36.00	9.42	8.00	27.0	460.00
	Minimum	6.40	40.00	120.00	0.03	0.24	0.05			0.73			11.00	2.26	7.60	2.0	290.00
	Mean	52.54	59.73	142.18	0.11	0.70	0.10			1.21			20.64	5.04	7.75	14.3	363.64
	Std. Dev.	42.48	13.28	17.40	0.06	0.37	0.08			0.46			7.09	2.77	0.12	8.9	57.49

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

Station Name	Date	TSS (mg/l)	SO_4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH_3-N (mg/l)	Ammonia Criterion (AL)		NO_3/NO_2 (mg/l)	Phenol (ug/l)	Total CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (°C)	Cond (umhos/cm)
CRITERIA			250 mg/L (HH)							10 mg/L (HH)	5 ug/L (HH)	700 ug/L (HH)	250 mg/L (HH)				
Smithland	04-Nov-03	19.00	52.00	160.00	0.07	0.38	0.06	5.86	ok	1.90	<5		58.00	2.70	6.70	16.0	361.00
Smithland	06-Jan-04	71.00	44.00	184.00	0.30	0.78	0.13	11.39	ok	2.05	<5.0		73.00	4.47	5.70	2.0	376.00
Smithland	08-Mar-04	122.00	60.00	168.00	0.20	0.33	0.26	7.09	ok	0.91	<5.0		95.00	5.33	3.50	9.0	682.00
Smithland	03-May-04	80.00	59.00	160.00	0.19	0.93	0.03	5.91	ok	1.50	<5.0		94.00	9.72	*7.00*	14.0	554.00
Smithland	12-Jul-04	32.00	62.00	160.00	0.04	0.36	0.07	0.80	ok	1.60			22.00	9.73	8.20	27.0	439.00
Smithland	13-Sep-04	41.00	78.00	148.00	0.08	0.46	0.06	3.75	ok	1.02			63.00	5.55	6.10	24.0	454.00
Smithland	08-Nov-04	68.40	85.00	156.00	0.58	1.95	<0.03	7.10	ok				71.00	4.50	*6.20*	14.0	422.00
Smithland	03-Jan-05	94.00	70.00	176.00	0.23	1.05	0.10	5.84	ok	1.48			28.00	2.95	7.50	10.0	358.00
Smithland	01-Mar-05	37.60	48.00	176.00	0.09	0.92	0.10	5.39	ok	2.22			100.00	11.60	*7.20*	5.0	591.00
Smithland	04-May-05	75.00	58.00	178.00	0.05	1.55	<0.03	3.98	ok	2.29	<5.0		51.00	10.50	7.60	12.0	441.00
Smithland	05-Jul-05	11.50	75.00	180.00	0.05	0.72	0.08	2.88	ok	0.82	<5.0		52.00	3.02	6.20	28.0	489.00
	# Samples	11	11	11	11	11	11			10	6	0.000	11	11	11	11.0	11
	# Detects	11	11	11	11	11	9			10	0	0.000	11	11	8	11.0	11
	Maximum	122.00	85.00	184.00	0.58	1.95	0.26			2.29			100.00	11.60	8.20	28.0	682.00
	Minimum	11.50	44.00	148.00	0.04	0.33	0.03			0.82			22.00	2.70	3.50	2.0	358.00
	Mean	59.23	62.82	167.82	0.17	0.86	0.10			1.58			64.27	6.37	6.54	14.6	469.73
	Std. Dev.	33.90	12.88	11.68	0.16	0.52	0.07			0.54			25.88	3.35	1.26	8.6	102.29
Lock & Dam 52	04-Nov-03	11.00	60.00	160.00	0.03	0.43	0.09	5.68	ok	1.60	<5		58.00	3.13	6.50	17.0	362.00
Lock & Dam 52	06-Jan-04	89.00	44.00	164.00	0.44	0.76	0.06	11.07	ok	2.11	<5.0		52.00	3.61	6.30	6.0	387.00
Lock & Dam 52	08-Mar-04	168.00	64.00	164.00	0.31	0.37	0.11	6.91	ok	1.06	<5.0		65.00	5.53	6.10	10.0	450.00
Lock & Dam 52	03-May-04	140.00	60.00	170.00	0.38	1.04	0.04	5.73	ok	1.60	<5.0		74.00	8.92	*7.00*	15.0	408.00
Lock & Dam 52	12-Jul-04	44.00	54.00	170.00	0.02	0.35	0.07	1.09	ok	1.50			18.00	9.65	8.00	27.0	425.00
Lock & Dam 52	13-Sep-04	58.00	76.00	156.00	0.10	0.68	0.04	3.54	ok	0.99			67.00	6.85	6.00	25.0	474.00
Lock & Dam 52	08-Nov-04	68.00	75.00	156.00	0.19	1.60	<0.03	6.24	ok				62.00	4.47	*6.20*	16.0	404.00
Lock & Dam 52	03-Jan-05	94.00	70.00	152.00	0.22	0.97	0.07	10.38	ok	1.33			50.00	2.86	6.30	8.0	390.00
Lock & Dam 52	01-Mar-05	88.80	47.00	172.00	0.14	0.99	0.04	5.39	ok	2.11			61.00	11.70	*7.20*	6.0	436.00
Lock & Dam 52	04-May-05	95.00	54.00	174.00	0.09	0.95	<0.03	3.18	ok	2.22	<5.0		41.00	10.40	7.80	14.0	440.00
Lock & Dam 52	05-Jul-05	14.80	67.00	152.00	0.06	0.79	<0.03	2.95	ok	0.85	<5.0		68.00	2.99	5.60	28.0	459.00
	# Samples	11	11	11	11	11	11			10	6	0.000	11	11	11	11.0	11
	# Detects	11	11	11	11	11	8			10	0	0.000	11	11	8	11.0	11
	Maximum	168.00	76.00	174.00	0.44	1.60	0.11			2.22			74.00	11.70	8.00	28.0	474.00
	Minimum	11.00	44.00	152.00	0.02	0.35	0.04			0.85			18.00	2.86	5.60	6.0	362.00
	Mean	79.15	61.00	162.73	0.18	0.81	0.07			1.54			56.00	6.37	6.64	15.6	421.36
	Std. Dev.	47.80	10.64	8.06	0.14	0.36	0.03			0.49			15.67	3.29	0.77	8.1	34.28

HH: Human Health Criteria, AL: Aquatic Life Criteria

Estimated values

Violations

2004-2005 OHIO RIVER BACTERIA SAMPLING
Fixed Monitoring Stations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	04-May-04		370	168	
1.4R	PITTSBURGH	11-May-04		112	124	
1.4R	PITTSBURGH	27-May-04		936	730	**EXCEEDS**
1.4R	PITTSBURGH	28-May-04		420	390	**EXCEEDS**
1.4M	PITTSBURGH	04-May-04		330	280	**EXCEEDS**
1.4M	PITTSBURGH	11-May-04		168	120	
1.4M	PITTSBURGH	27-May-04		310	250	**EXCEEDS**
1.4M	PITTSBURGH	28-May-04		560	400	**EXCEEDS**
1.4L	PITTSBURGH	04-May-04		223	246	**EXCEEDS**
1.4L	PITTSBURGH	11-May-04		144	104	
1.4L	PITTSBURGH	27-May-04		1,900	1,400	**EXCEEDS**
1.4L	PITTSBURGH	28-May-04		5,100	5,600	**EXCEEDS**
4.3	PITTSBURGH	04-May-04		250	120	
4.3	PITTSBURGH	11-May-04		124	104	
4.3	PITTSBURGH	27-May-04		1,336	1,682	**EXCEEDS**
4.3	PITTSBURGH	28-May-04		760	891	**EXCEEDS**
1.4R	PITTSBURGH	01-Jun-04		1,045	709	**EXCEEDS**
1.4R	PITTSBURGH	08-Jun-04		1,200	1,800	**EXCEEDS**
1.4R	PITTSBURGH	15-Jun-04		6,600	4,300	**EXCEEDS**
1.4R	PITTSBURGH	22-Jun-04		9,800	9,100	**EXCEEDS**
1.4R	PITTSBURGH	29-Jun-04		2,500	3,000	**EXCEEDS**
			GEOMETRIC MEAN	2,893	2,723	**EXCEEDS**
1.4M	PITTSBURGH	01-Jun-04		1,109	1,500	**EXCEEDS**
1.4M	PITTSBURGH	08-Jun-04		1,000	2,100	**EXCEEDS**
1.4M	PITTSBURGH	15-Jun-04		5,200	2,200	**EXCEEDS**
1.4M	PITTSBURGH	22-Jun-04		4,600	3,100	**EXCEEDS**
1.4M	PITTSBURGH	29-Jun-04		6,500	6,600	**EXCEEDS**
			GEOMETRIC MEAN	2,801	2,694	**EXCEEDS**
1.4L	PITTSBURGH	01-Jun-04		590	730	**EXCEEDS**
1.4L	PITTSBURGH	08-Jun-04		1,100	1,000	**EXCEEDS**
1.4L	PITTSBURGH	15-Jun-04		4,500	2,900	**EXCEEDS**
1.4L	PITTSBURGH	22-Jun-04		2,400	1,800	**EXCEEDS**
1.4L	PITTSBURGH	29-Jun-04		5,400	6,400	**EXCEEDS**
			GEOMETRIC MEAN	2,068	1,894	**EXCEEDS**
4.3	PITTSBURGH	01-Jun-04		714	682	**EXCEEDS**
4.3	PITTSBURGH	08-Jun-04		1,000	1,327	**EXCEEDS**
4.3	PITTSBURGH	15-Jun-04		3,700	2,700	**EXCEEDS**
4.3	PITTSBURGH	22-Jun-04		7,900	3,200	**EXCEEDS**
4.3	PITTSBURGH	29-Jun-04		3,300	3,100	**EXCEEDS**
			GEOMETRIC MEAN	2,331	1,892	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	06-Jul-04		720	520	**EXCEEDS**
1.4R	PITTSBURGH	13-Jul-04		880	910	**EXCEEDS**
1.4R	PITTSBURGH	20-Jul-04		270	310	**EXCEEDS**
1.4R	PITTSBURGH	22-Jul-04		250	230	
1.4R	PITTSBURGH	29-Jul-04		1,180	654	**EXCEEDS**
			GEOMETRIC MEAN	550	466	**EXCEEDS**
1.4M	PITTSBURGH	06-Jul-04		900	480	**EXCEEDS**
1.4M	PITTSBURGH	13-Jul-04		1,245	840	**EXCEEDS**
1.4M	PITTSBURGH	20-Jul-04		570	380	**EXCEEDS**
1.4M	PITTSBURGH	22-Jul-04		330	206	
1.4M	PITTSBURGH	29-Jul-04		1,027	973	**EXCEEDS**
			GEOMETRIC MEAN	736	498	**EXCEEDS**
1.4L	PITTSBURGH	06-Jul-04		430	400	**EXCEEDS**
1.4L	PITTSBURGH	13-Jul-04		1,120	927	**EXCEEDS**
1.4L	PITTSBURGH	20-Jul-04		420	350	**EXCEEDS**
1.4L	PITTSBURGH	22-Jul-04		330	370	**EXCEEDS**
1.4L	PITTSBURGH	29-Jul-04		1,109	1,036	**EXCEEDS**
			GEOMETRIC MEAN	594	549	**EXCEEDS**
4.3	PITTSBURGH	06-Jul-04		700	550	**EXCEEDS**
4.3	PITTSBURGH	13-Jul-04		1,310	1,280	**EXCEEDS**
4.3	PITTSBURGH	20-Jul-04		390	330	**EXCEEDS**
4.3	PITTSBURGH	22-Jul-04		220	190	
4.3	PITTSBURGH	29-Jul-04		818	800	**EXCEEDS**
			GEOMETRIC MEAN	578	512	**EXCEEDS**
1.4R	PITTSBURGH	03-Aug-04		270	188	
1.4R	PITTSBURGH	10-Aug-04		570	440	**EXCEEDS**
1.4R	PITTSBURGH	17-Aug-04		164	104	
1.4R	PITTSBURGH	24-Aug-04		420	270	**EXCEEDS**
1.4R	PITTSBURGH	31-Aug-04		1,145	686	**EXCEEDS**
			GEOMETRIC MEAN	414	276	**EXCEEDS**
1.4M	PITTSBURGH	03-Aug-04		170	112	
1.4M	PITTSBURGH	10-Aug-04		480	220	**EXCEEDS**
1.4M	PITTSBURGH	17-Aug-04		280	152	
1.4M	PITTSBURGH	24-Aug-04		1,100	600	**EXCEEDS**
1.4M	PITTSBURGH	31-Aug-04		773	510	**EXCEEDS**
			GEOMETRIC MEAN	455	258	**EXCEEDS**
1.4L	PITTSBURGH	03-Aug-04		500	280	**EXCEEDS**
1.4L	PITTSBURGH	10-Aug-04		360	370	**EXCEEDS**
1.4L	PITTSBURGH	17-Aug-04		136	176	
1.4L	PITTSBURGH	24-Aug-04		1,300	708	**EXCEEDS**
1.4L	PITTSBURGH	31-Aug-04		1,209	955	**EXCEEDS**
			GEOMETRIC MEAN	521	415	**EXCEEDS**
4.3	PITTSBURGH	03-Aug-04		380	120	
4.3	PITTSBURGH	10-Aug-04		210	220	
4.3	PITTSBURGH	17-Aug-04		176	148	
4.3	PITTSBURGH	24-Aug-04		460	390	**EXCEEDS**
4.3	PITTSBURGH	31-Aug-04		736	1,018	**EXCEEDS**
			GEOMETRIC MEAN	343	274	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	07-Sep-04		360	120	
1.4R	PITTSBURGH	14-Sep-04		510	670	**EXCEEDS**
1.4R	PITTSBURGH	27-Sep-04		550	400	**EXCEEDS**
1.4R	PITTSBURGH	28-Sep-04		1,173	927	**EXCEEDS**
1.4M	PITTSBURGH	07-Sep-04		340	140	
1.4M	PITTSBURGH	14-Sep-04		440	400	**EXCEEDS**
1.4M	PITTSBURGH	27-Sep-04		540	480	**EXCEEDS**
1.4M	PITTSBURGH	28-Sep-04		747	818	**EXCEEDS**
1.4L	PITTSBURGH	07-Sep-04		136	112	
1.4L	PITTSBURGH	14-Sep-04		645	490	**EXCEEDS**
1.4L	PITTSBURGH	27-Sep-04		2,600	2,200	**EXCEEDS**
1.4L	PITTSBURGH	28-Sep-04		540	460	**EXCEEDS**
4.3	PITTSBURGH	07-Sep-04		132	52	
4.3	PITTSBURGH	14-Sep-04		755	350	**EXCEEDS**
4.3	PITTSBURGH	27-Sep-04		590	250	**EXCEEDS**
4.3	PITTSBURGH	28-Sep-04		1,136	910	**EXCEEDS**
1.4R	PITTSBURGH	05-Oct-04		360	120	
1.4R	PITTSBURGH	12-Oct-04		430	150	**EXCEEDS**
1.4R	PITTSBURGH	19-Oct-04		8,800	7,000	**EXCEEDS**
1.4R	PITTSBURGH	26-Oct-04		622	400	**EXCEEDS**
1.4R	PITTSBURGH	28-Oct-04		223	223	
			GEOMETRIC MEAN	717	408	**EXCEEDS**
1.4M	PITTSBURGH	05-Oct-04		310	203	
1.4M	PITTSBURGH	12-Oct-04		390	180	
1.4M	PITTSBURGH	19-Oct-04		6,100	6,600	**EXCEEDS**
1.4M	PITTSBURGH	26-Oct-04		231	132	
1.4M	PITTSBURGH	28-Oct-04		250	220	
			GEOMETRIC MEAN	532	371	**EXCEEDS**
1.4L	PITTSBURGH	05-Oct-04		360	320	**EXCEEDS**
1.4L	PITTSBURGH	12-Oct-04		350	148	
1.4L	PITTSBURGH	19-Oct-04		7,300	7,500	**EXCEEDS**
1.4L	PITTSBURGH	26-Oct-04		600	270	**EXCEEDS**
1.4L	PITTSBURGH	28-Oct-04		330	211	
			GEOMETRIC MEAN	711	458	**EXCEEDS**
4.3	PITTSBURGH	05-Oct-04		430	280	**EXCEEDS**
4.3	PITTSBURGH	12-Oct-04		370	170	
4.3	PITTSBURGH	19-Oct-04		9,600	8,700	**EXCEEDS**
4.3	PITTSBURGH	26-Oct-04		631	420	**EXCEEDS**
4.3	PITTSBURGH	28-Oct-04		420	360	**EXCEEDS**
			GEOMETRIC MEAN	835	575	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
86.8	WHEELING	04-May-04		132	24	
86.8	WHEELING	12-May-04		236	88	
86.8	WHEELING	18-May-04		231	48	
86.8	WHEELING	20-May-04		570	289	**EXCEEDS**
86.8	WHEELING	25-May-04		2,000	625	**EXCEEDS**
			GEOMETRIC MEAN	383	113	**EXCEEDS**
91.4	WHEELING	04-May-04		210	128	
91.4	WHEELING	12-May-04		531	169	**EXCEEDS**
91.4	WHEELING	18-May-04		7,000	6,600	**EXCEEDS**
91.4	WHEELING	20-May-04		2,800	1,145	**EXCEEDS**
91.4	WHEELING	25-May-04		614	390	**EXCEEDS**
			GEOMETRIC MEAN	1,061	577	**EXCEEDS**
92.8	WHEELING	04-May-04		128	54	
92.8	WHEELING	12-May-04		1,040	500	**EXCEEDS**
92.8	WHEELING	18-May-04		11,100	5,200	**EXCEEDS**
92.8	WHEELING	20-May-04		1,518	681	**EXCEEDS**
92.8	WHEELING	25-May-04		1,100	580	**EXCEEDS**
			GEOMETRIC MEAN	1,198	561	**EXCEEDS**
86.8	WHEELING	01-Jun-04		1,110	120	**EXCEEDS**
86.8	WHEELING	08-Jun-04		88	54	
86.8	WHEELING	15-Jun-04		2,900	727	**EXCEEDS**
86.8	WHEELING	22-Jun-04		558	214	**EXCEEDS**
86.8	WHEELING	29-Jun-04		148	120	
			GEOMETRIC MEAN	472	165	**EXCEEDS**
91.4	WHEELING	01-Jun-04		1,455	519	**EXCEEDS**
91.4	WHEELING	08-Jun-04		755	230	**EXCEEDS**
91.4	WHEELING	15-Jun-04		4,800	2,800	**EXCEEDS**
91.4	WHEELING	22-Jun-04		4,600	2,800	**EXCEEDS**
91.4	WHEELING	29-Jun-04		680	232	**EXCEEDS**
			GEOMETRIC MEAN	1,752	737	**EXCEEDS**
92.8	WHEELING	01-Jun-04		460	254	**EXCEEDS**
92.8	WHEELING	08-Jun-04		360	92	
92.8	WHEELING	15-Jun-04		14,300	3,900	**EXCEEDS**
92.8	WHEELING	22-Jun-04		23,300	16,000	**EXCEEDS**
92.8	WHEELING	29-Jun-04		430	300	**EXCEEDS**
			GEOMETRIC MEAN	1,884	848	**EXCEEDS**
86.8	WHEELING	06-Jul-04		20	36	
86.8	WHEELING	13-Jul-04		36	4	
86.8	WHEELING	20-Jul-04		68	69	
86.8	WHEELING	22-Jul-04		52	12	
86.8	WHEELING	27-Jul-04		649	764	**EXCEEDS**
			GEOMETRIC MEAN	70	39	
91.4	WHEELING	06-Jul-04		2,360	114	**EXCEEDS**
91.4	WHEELING	13-Jul-04		340	337	**EXCEEDS**
91.4	WHEELING	20-Jul-04		192	124	
91.4	WHEELING	22-Jul-04		169	168	
91.4	WHEELING	27-Jul-04		1,340	425	**EXCEEDS**
			GEOMETRIC MEAN	511	202	**EXCEEDS**
92.8	WHEELING	06-Jul-04		37	28	
92.8	WHEELING	13-Jul-04		136	66	
92.8	WHEELING	20-Jul-04		420	350	**EXCEEDS**
92.8	WHEELING	22-Jul-04		60	24	
92.8	WHEELING	27-Jul-04		1,100	430	**EXCEEDS**
			GEOMETRIC MEAN	169	92	

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
86.8	WHEELING	03-Aug-04		490	420	**EXCEEDS**
86.8	WHEELING	10-Aug-04		28	28	
86.8	WHEELING	17-Aug-04		100	8	
86.8	WHEELING	24-Aug-04		206	340	**EXCEEDS**
86.8	WHEELING	31-Aug-04		1,200	390	**EXCEEDS**
			GEOMETRIC MEAN	202	105	**EXCEEDS**
91.4	WHEELING	03-Aug-04		1,045	891	**EXCEEDS**
91.4	WHEELING	10-Aug-04		1,000	128	**EXCEEDS**
91.4	WHEELING	17-Aug-04		1,580	403	**EXCEEDS**
91.4	WHEELING	24-Aug-04		1,309	909	**EXCEEDS**
91.4	WHEELING	31-Aug-04		240	180	
			GEOMETRIC MEAN	877	376	**EXCEEDS**
92.8	WHEELING	03-Aug-04		655	177	**EXCEEDS**
92.8	WHEELING	10-Aug-04		140	24	
92.8	WHEELING	17-Aug-04		230	37	
92.8	WHEELING	24-Aug-04		1,055	360	**EXCEEDS**
92.8	WHEELING	31-Aug-04		945	132	**EXCEEDS**
			GEOMETRIC MEAN	462	94	**EXCEEDS**
86.8	WHEELING	07-Sep-04		28	37	
86.8	WHEELING	14-Sep-04		747	560	**EXCEEDS**
86.8	WHEELING	23-Sep-04		1,000	474	**EXCEEDS**
86.8	WHEELING	28-Sep-04		420	176	**EXCEEDS**
91.4	WHEELING	07-Sep-04		220	148	
91.4	WHEELING	14-Sep-04		1,309	936	**EXCEEDS**
91.4	WHEELING	23-Sep-04		697	530	**EXCEEDS**
91.4	WHEELING	28-Sep-04		609	280	**EXCEEDS**
92.8	WHEELING	07-Sep-04		52	54	
92.8	WHEELING	14-Sep-04		1,218	973	**EXCEEDS**
92.8	WHEELING	23-Sep-04		1,336	492	**EXCEEDS**
92.8	WHEELING	28-Sep-04		450	156	**EXCEEDS**
86.8	WHEELING	05-Oct-04		64	71	
86.8	WHEELING	12-Oct-04		32	44	
86.8	WHEELING	19-Oct-04		429	96	**EXCEEDS**
86.8	WHEELING	21-Oct-04		220	128	
86.8	WHEELING	26-Oct-04		100	84	
			GEOMETRIC MEAN	114	80	
91.4	WHEELING	05-Oct-04		74	36	
91.4	WHEELING	12-Oct-04		77	66	
91.4	WHEELING	19-Oct-04		3,900	955	**EXCEEDS**
91.4	WHEELING	21-Oct-04		560	360	**EXCEEDS**
91.4	WHEELING	26-Oct-04		204	48	
			GEOMETRIC MEAN	303	131	**EXCEEDS**
92.8	WHEELING	05-Oct-04		160	84	
92.8	WHEELING	12-Oct-04		800	460	**EXCEEDS**
92.8	WHEELING	19-Oct-04		1,273	480	**EXCEEDS**
92.8	WHEELING	21-Oct-04		310	180	
92.8	WHEELING	26-Oct-04		310	180	
			GEOMETRIC MEAN	435	227	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
305.1	HUNTINGTON	04-May-04		57	51	
305.1	HUNTINGTON	11-May-04		20	12	
305.1	HUNTINGTON	18-May-04		24	11	
305.1	HUNTINGTON	20-May-04		172	136	
305.1	HUNTINGTON	25-May-04		370	166	
			GEOMETRIC MEAN	70	43	
308.1	HUNTINGTON	04-May-04		580	600	**EXCEEDS**
308.1	HUNTINGTON	11-May-04		955	400	**EXCEEDS**
308.1	HUNTINGTON	18-May-04		74	28	
308.1	HUNTINGTON	20-May-04		489	430	**EXCEEDS**
308.1	HUNTINGTON	25-May-04		4,100	2,300	**EXCEEDS**
			GEOMETRIC MEAN	607	367	**EXCEEDS**
314.8	HUNTINGTON	04-May-04		112	108	
314.8	HUNTINGTON	11-May-04		84	83	
314.8	HUNTINGTON	18-May-04		60	43	
314.8	HUNTINGTON	20-May-04		490	229	**EXCEEDS**
314.8	HUNTINGTON	25-May-04		530	450	**EXCEEDS**
			GEOMETRIC MEAN	171	132	**EXCEEDS**
305.1	HUNTINGTON	01-Jun-04		200	169	
305.1	HUNTINGTON	08-Jun-04		196	152	
305.1	HUNTINGTON	15-Jun-04		600	664	**EXCEEDS**
305.1	HUNTINGTON	22-Jun-04		169	128	
305.1	HUNTINGTON	29-Jun-04		40	24	
			GEOMETRIC MEAN	174	139	**EXCEEDS**
308.1	HUNTINGTON	01-Jun-04		4,800	3,700	**EXCEEDS**
308.1	HUNTINGTON	08-Jun-04		350	480	**EXCEEDS**
308.1	HUNTINGTON	15-Jun-04		1,500	1,018	**EXCEEDS**
308.1	HUNTINGTON	22-Jun-04		266	243	**EXCEEDS**
308.1	HUNTINGTON	29-Jun-04		400	390	**EXCEEDS**
			GEOMETRIC MEAN	769	703	**EXCEEDS**
314.8	HUNTINGTON	01-Jun-04		4,500	3,900	**EXCEEDS**
314.8	HUNTINGTON	08-Jun-04		2,600	1,700	**EXCEEDS**
314.8	HUNTINGTON	15-Jun-04		936	736	**EXCEEDS**
314.8	HUNTINGTON	22-Jun-04		226	209	
314.8	HUNTINGTON	29-Jun-04		206	164	
			GEOMETRIC MEAN	874	699	**EXCEEDS**
305.1	HUNTINGTON	06-Jul-04		28	8	
305.1	HUNTINGTON	13-Jul-04		12	4	
305.1	HUNTINGTON	20-Jul-04		32	24	
305.1	HUNTINGTON	22-Jul-04		20	20	
305.1	HUNTINGTON	27-Jul-04		229	108	
			GEOMETRIC MEAN	35	18	
308.1	HUNTINGTON	06-Jul-04		320	300	**EXCEEDS**
308.1	HUNTINGTON	13-Jul-04		183	88	
308.1	HUNTINGTON	20-Jul-04		80	74	
308.1	HUNTINGTON	22-Jul-04		100	66	
308.1	HUNTINGTON	27-Jul-04		1,218	1,109	**EXCEEDS**
			GEOMETRIC MEAN	225	170	**EXCEEDS**
314.8	HUNTINGTON	06-Jul-04		191	136	
314.8	HUNTINGTON	13-Jul-04		92	24	
314.8	HUNTINGTON	20-Jul-04		152	96	
314.8	HUNTINGTON	22-Jul-04		180	112	
314.8	HUNTINGTON	27-Jul-04		864	678	**EXCEEDS**
			GEOMETRIC MEAN	211	119	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
305.1	HUNTINGTON	03-Aug-04		49	24	
305.1	HUNTINGTON	10-Aug-04		92	40	
305.1	HUNTINGTON	17-Aug-04		12	4	
305.1	HUNTINGTON	24-Aug-04		44	36	
305.1	HUNTINGTON	31-Aug-04		116	80	
			GEOMETRIC MEAN	49	26	
308.1	HUNTINGTON	03-Aug-04		160	92	
308.1	HUNTINGTON	10-Aug-04		882	500	**EXCEEDS**
308.1	HUNTINGTON	17-Aug-04		251	194	
308.1	HUNTINGTON	24-Aug-04		200	164	
308.1	HUNTINGTON	31-Aug-04		174	148	
			GEOMETRIC MEAN	262	185	**EXCEEDS**
314.8	HUNTINGTON	03-Aug-04		400	350	**EXCEEDS**
314.8	HUNTINGTON	10-Aug-04		66	32	
314.8	HUNTINGTON	17-Aug-04		80	40	
314.8	HUNTINGTON	24-Aug-04		189	156	
314.8	HUNTINGTON	31-Aug-04		164	120	
			GEOMETRIC MEAN	146	97	
305.1	HUNTINGTON	07-Sep-04		46	20	
305.1	HUNTINGTON	14-Sep-04		194	197	
305.1	HUNTINGTON	21-Sep-04		400	280	**EXCEEDS**
305.1	HUNTINGTON	23-Sep-04		500	330	**EXCEEDS**
305.1	HUNTINGTON	28-Sep-04		92	74	
			GEOMETRIC MEAN	175	122	
308.1	HUNTINGTON	07-Sep-04		100	80	
308.1	HUNTINGTON	14-Sep-04		470	390	**EXCEEDS**
308.1	HUNTINGTON	21-Sep-04		2,700	1,536	**EXCEEDS**
308.1	HUNTINGTON	23-Sep-04		11,200	9,800	**EXCEEDS**
308.1	HUNTINGTON	28-Sep-04		186	132	
			GEOMETRIC MEAN	766	573	**EXCEEDS**
314.8	HUNTINGTON	07-Sep-04		40	24	
314.8	HUNTINGTON	14-Sep-04		400	360	**EXCEEDS**
314.8	HUNTINGTON	21-Sep-04		2,000	1,418	**EXCEEDS**
314.8	HUNTINGTON	23-Sep-04		2,000	882	**EXCEEDS**
314.8	HUNTINGTON	28-Sep-04		226	132	
			GEOMETRIC MEAN	429	270	**EXCEEDS**
305.1	HUNTINGTON	05-Oct-04		71	16	
305.1	HUNTINGTON	12-Oct-04		20	16	
305.1	HUNTINGTON	19-Oct-04		140	132	
305.1	HUNTINGTON	21-Oct-04		148	108	
305.1	HUNTINGTON	26-Oct-04		66	57	
			GEOMETRIC MEAN	72	46	
308.1	HUNTINGTON	05-Oct-04		112	69	
308.1	HUNTINGTON	12-Oct-04		69	40	
308.1	HUNTINGTON	19-Oct-04		508	260	**EXCEEDS**
308.1	HUNTINGTON	21-Oct-04		517	300	**EXCEEDS**
308.1	HUNTINGTON	26-Oct-04		217	120	
			GEOMETRIC MEAN	213	121	**EXCEEDS**
314.8	HUNTINGTON	05-Oct-04		266	140	
314.8	HUNTINGTON	12-Oct-04		40	24	
314.8	HUNTINGTON	19-Oct-04		2,600	973	**EXCEEDS**
314.8	HUNTINGTON	21-Oct-04		550	420	**EXCEEDS**
314.8	HUNTINGTON	26-Oct-04		197	164	**EXCEEDS**
			GEOMETRIC MEAN	313	186	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
462.6	CINCINNATI	04-May-04		270	320	**EXCEEDS**
462.6	CINCINNATI	11-May-04		32	16	
462.6	CINCINNATI	18-May-04		24	80	
462.6	CINCINNATI	20-May-04		560	636	**EXCEEDS**
462.6	CINCINNATI	25-May-04		300	217	
			GEOMETRIC MEAN	128	141	**EXCEEDS**
470	CINCINNATI	04-May-04		280	380	**EXCEEDS**
470	CINCINNATI	11-May-04		560	260	**EXCEEDS**
470	CINCINNATI	18-May-04		200	390	**EXCEEDS**
470	CINCINNATI	20-May-04		718	540	**EXCEEDS**
470	CINCINNATI	25-May-04		310	200	
			GEOMETRIC MEAN	370	334	**EXCEEDS**
477.5	CINCINNATI	04-May-04		2,300	1,181	**EXCEEDS**
477.5	CINCINNATI	11-May-04		460	280	**EXCEEDS**
477.5	CINCINNATI	18-May-04		4,200	9,200	**EXCEEDS**
477.5	CINCINNATI	20-May-04		973	700	**EXCEEDS**
477.5	CINCINNATI	25-May-04		490	370	**EXCEEDS**
			GEOMETRIC MEAN	1,162	953	**EXCEEDS**
462.6	CINCINNATI	01-Jun-04		773	440	**EXCEEDS**
462.6	CINCINNATI	08-Jun-04		360	189	
462.6	CINCINNATI	15-Jun-04		700	310	**EXCEEDS**
462.6	CINCINNATI	22-Jun-04		223	152	
462.6	CINCINNATI	29-Jun-04		136	116	
			GEOMETRIC MEAN	358	215	**EXCEEDS**
470	CINCINNATI	01-Jun-04		3,400	1,009	**EXCEEDS**
470	CINCINNATI	08-Jun-04		410	226	**EXCEEDS**
470	CINCINNATI	15-Jun-04		230	350	**EXCEEDS**
470	CINCINNATI	22-Jun-04		936	530	**EXCEEDS**
470	CINCINNATI	29-Jun-04		220	120	
			GEOMETRIC MEAN	581	348	**EXCEEDS**
477.5	CINCINNATI	01-Jun-04		845	500	**EXCEEDS**
477.5	CINCINNATI	08-Jun-04		160	120	
477.5	CINCINNATI	15-Jun-04		500	380	**EXCEEDS**
477.5	CINCINNATI	22-Jun-04		530	330	**EXCEEDS**
477.5	CINCINNATI	29-Jun-04		204	120	
			GEOMETRIC MEAN	374	246	**EXCEEDS**
462.6	CINCINNATI	06-Jul-04		40	40	
462.6	CINCINNATI	13-Jul-04		83	28	
462.6	CINCINNATI	20-Jul-04		68	60	
462.6	CINCINNATI	22-Jul-04		7,500	4,700	**EXCEEDS**
462.6	CINCINNATI	27-Jul-04		197	174	
			GEOMETRIC MEAN	202	141	**EXCEEDS**
470	CINCINNATI	06-Jul-04		20	20	
470	CINCINNATI	13-Jul-04		260	148	
470	CINCINNATI	20-Jul-04		120	48	
470	CINCINNATI	22-Jul-04		2,200	660	**EXCEEDS**
470	CINCINNATI	27-Jul-04		140	116	
			GEOMETRIC MEAN	181	102	
477.5	CINCINNATI	06-Jul-04		92	51	
477.5	CINCINNATI	13-Jul-04		340	132	
477.5	CINCINNATI	20-Jul-04		28	12	
477.5	CINCINNATI	22-Jul-04		13,800	6,200	**EXCEEDS**
477.5	CINCINNATI	27-Jul-04		152	96	
			GEOMETRIC MEAN	284	137	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
462.6	CINCINNATI	03-Aug-04		270	172	
462.6	CINCINNATI	10-Aug-04		36	32	
462.6	CINCINNATI	17-Aug-04		120	69	
462.6	CINCINNATI	24-Aug-04		56	40	
462.6	CINCINNATI	31-Aug-04		28	24	
			GEOMETRIC MEAN	71	52	
470	CINCINNATI	03-Aug-04		230	136	
470	CINCINNATI	10-Aug-04		40	36	
470	CINCINNATI	17-Aug-04		20	16	
470	CINCINNATI	24-Aug-04		28	24	
470	CINCINNATI	31-Aug-04		210	71	
			GEOMETRIC MEAN	64	42	
477.5	CINCINNATI	03-Aug-04		191	168	
477.5	CINCINNATI	10-Aug-04		77	52	
477.5	CINCINNATI	17-Aug-04		36	20	
477.5	CINCINNATI	24-Aug-04		28	24	
477.5	CINCINNATI	31-Aug-04		237	54	
			GEOMETRIC MEAN	81	47	
462.6	CINCINNATI	07-Sep-04		80	74	
462.6	CINCINNATI	14-Sep-04		609	460	**EXCEEDS**
462.6	CINCINNATI	21-Sep-04		3,600	1,800	**EXCEEDS**
462.6	CINCINNATI	23-Sep-04		6,600	4,800	**EXCEEDS**
462.6	CINCINNATI	28-Sep-04		112	80	
			GEOMETRIC MEAN	665	472	**EXCEEDS**
470	CINCINNATI	07-Sep-04		88	16	
470	CINCINNATI	14-Sep-04		5,400	2,900	**EXCEEDS**
470	CINCINNATI	21-Sep-04		2,800	2,500	**EXCEEDS**
470	CINCINNATI	23-Sep-04		2,400	1,200	**EXCEEDS**
470	CINCINNATI	28-Sep-04		350	180	
			GEOMETRIC MEAN	1,022	478	**EXCEEDS**
477.5	CINCINNATI	07-Sep-04		20	16	
477.5	CINCINNATI	14-Sep-04		590	410	**EXCEEDS**
477.5	CINCINNATI	21-Sep-04		8,800	3,200	**EXCEEDS**
477.5	CINCINNATI	23-Sep-04		1,700	736	**EXCEEDS**
477.5	CINCINNATI	28-Sep-04		128	96	
			GEOMETRIC MEAN	469	272	**EXCEEDS**
462.6	CINCINNATI	05-Oct-04		88	60	
462.6	CINCINNATI	12-Oct-04		32	28	
462.6	CINCINNATI	19-Oct-04		3,500	5,000	**EXCEEDS**
462.6	CINCINNATI	21-Oct-04		900	782	**EXCEEDS**
462.6	CINCINNATI	26-Oct-04		180	104	
			GEOMETRIC MEAN	276	233	**EXCEEDS**
470	CINCINNATI	05-Oct-04		100	63	
470	CINCINNATI	12-Oct-04		51	12	
470	CINCINNATI	19-Oct-04		3,800	2,400	**EXCEEDS**
470	CINCINNATI	21-Oct-04		1,500	1,100	**EXCEEDS**
470	CINCINNATI	26-Oct-04		206	124	
			GEOMETRIC MEAN	359	190	**EXCEEDS**
477.5	CINCINNATI	05-Oct-04		69	28	
477.5	CINCINNATI	12-Oct-04		36	20	
477.5	CINCINNATI	19-Oct-04		12,000	6,200	**EXCEEDS**
477.5	CINCINNATI	21-Oct-04		2,700	1,800	**EXCEEDS**
477.5	CINCINNATI	26-Oct-04		237	128	
			GEOMETRIC MEAN	453	240	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
594	LOUISVILLE	04-May-04		520	450	**EXCEEDS**
594	LOUISVILLE	11-May-04		66	46	
594	LOUISVILLE	18-May-04		57	36	
594	LOUISVILLE	20-May-04		682	590	**EXCEEDS**
594	LOUISVILLE	25-May-04		183	120	
			GEOMETRIC MEAN	189	139	**EXCEEDS**
608.7	LOUISVILLE	04-May-04		340	350	**EXCEEDS**
608.7	LOUISVILLE	11-May-04		80	51	
608.7	LOUISVILLE	18-May-04		140	88	
608.7	LOUISVILLE	20-May-04		655	237	**EXCEEDS**
608.7	LOUISVILLE	25-May-04		223	157	
			GEOMETRIC MEAN	223	142	**EXCEEDS**
619.3	LOUISVILLE	04-May-04		673	480	**EXCEEDS**
619.3	LOUISVILLE	11-May-04		92	74	
619.3	LOUISVILLE	18-May-04		882	570	**EXCEEDS**
619.3	LOUISVILLE	20-May-04		3,300	2,600	**EXCEEDS**
619.3	LOUISVILLE	25-May-04		171	80	
			GEOMETRIC MEAN	499	335	**EXCEEDS**
594	LOUISVILLE	01-Jun-04		2,300	1,855	**EXCEEDS**
594	LOUISVILLE	08-Jun-04		548	280	**EXCEEDS**
594	LOUISVILLE	15-Jun-04		640	200	**EXCEEDS**
594	LOUISVILLE	24-Jun-04		83	69	
594	LOUISVILLE	29-Jun-04		64	50	
			GEOMETRIC MEAN	336	205	**EXCEEDS**
608.7	LOUISVILLE	01-Jun-04		540	350	**EXCEEDS**
608.7	LOUISVILLE	08-Jun-04		320	290	**EXCEEDS**
608.7	LOUISVILLE	15-Jun-04		214	260	**EXCEEDS**
608.7	LOUISVILLE	24-Jun-04		156	57	
608.7	LOUISVILLE	29-Jun-04		37	17	
			GEOMETRIC MEAN	184	121	
619.3	LOUISVILLE	01-Jun-04		3,400	1,810	**EXCEEDS**
619.3	LOUISVILLE	08-Jun-04		220	300	**EXCEEDS**
619.3	LOUISVILLE	15-Jun-04		550	600	**EXCEEDS**
619.3	LOUISVILLE	24-Jun-04		216	116	
619.3	LOUISVILLE	29-Jun-04		28	24	
			GEOMETRIC MEAN	301	246	**EXCEEDS**
594	LOUISVILLE	06-Jul-04		23	4	
594	LOUISVILLE	13-Jul-04		148	60	
594	LOUISVILLE	21-Jul-04		111	132	
594	LOUISVILLE	22-Jul-04		80	4	
594	LOUISVILLE	27-Jul-04		40	16	
			GEOMETRIC MEAN	66	18	
608.7	LOUISVILLE	06-Jul-04		56	36	
608.7	LOUISVILLE	13-Jul-04		92	36	
608.7	LOUISVILLE	21-Jul-04		5,900	269	**EXCEEDS**
608.7	LOUISVILLE	22-Jul-04		66	28	
608.7	LOUISVILLE	27-Jul-04		156	77	
			GEOMETRIC MEAN	199	60	
619.3	LOUISVILLE	06-Jul-04		6,000	2,600	**EXCEEDS**
619.3	LOUISVILLE	13-Jul-04		782	500	**EXCEEDS**
619.3	LOUISVILLE	21-Jul-04		570	97	**EXCEEDS**
619.3	LOUISVILLE	22-Jul-04		112	36	
619.3	LOUISVILLE	27-Jul-04		540	800	**EXCEEDS**
			GEOMETRIC MEAN	695	325	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
594	LOUISVILLE	04-Aug-04		270	352	**EXCEEDS**
594	LOUISVILLE	17-Aug-04		12	8	
594	LOUISVILLE	19-Aug-04		8	24	
594	LOUISVILLE	24-Aug-04		16	32	
594	LOUISVILLE	31-Aug-04		24	20	
			GEOMETRIC MEAN	25	34	
608.7	LOUISVILLE	04-Aug-04		240	143	
608.7	LOUISVILLE	17-Aug-04		4	12	
608.7	LOUISVILLE	19-Aug-04		16	16	
608.7	LOUISVILLE	24-Aug-04		390	140	
608.7	LOUISVILLE	31-Aug-04		700	40	**EXCEEDS**
			GEOMETRIC MEAN	84	43	
619.3	LOUISVILLE	04-Aug-04		827	350	**EXCEEDS**
619.3	LOUISVILLE	17-Aug-04		550	530	**EXCEEDS**
619.3	LOUISVILLE	19-Aug-04		627	654	**EXCEEDS**
619.3	LOUISVILLE	24-Aug-04		310	210	
619.3	LOUISVILLE	31-Aug-04		450	230	**EXCEEDS**
			GEOMETRIC MEAN	525	358	**EXCEEDS**
594	LOUISVILLE	07-Sep-04		46	40	
594	LOUISVILLE	14-Sep-04		700	627	**EXCEEDS**
594	LOUISVILLE	21-Sep-04		2,800	1,900	**EXCEEDS**
594	LOUISVILLE	23-Sep-04		1,227	800	**EXCEEDS**
594	LOUISVILLE	28-Sep-04		160	108	
			GEOMETRIC MEAN	446	333	**EXCEEDS**
608.7	LOUISVILLE	07-Sep-04		43	24	
608.7	LOUISVILLE	14-Sep-04		25,000	5,200	**EXCEEDS**
608.7	LOUISVILLE	21-Sep-04		3,500	1,610	**EXCEEDS**
608.7	LOUISVILLE	23-Sep-04		2,400	945	**EXCEEDS**
608.7	LOUISVILLE	28-Sep-04		163	92	
			GEOMETRIC MEAN	1,080	445	**EXCEEDS**
619.3	LOUISVILLE	07-Sep-04		151	60	
619.3	LOUISVILLE	14-Sep-04		11,300	4,300	**EXCEEDS**
619.3	LOUISVILLE	21-Sep-04		891	540	**EXCEEDS**
619.3	LOUISVILLE	23-Sep-04		2,600	450	**EXCEEDS**
594	LOUISVILLE	05-Oct-04		40	16	
594	LOUISVILLE	12-Oct-04		4	4	
594	LOUISVILLE	19-Oct-04		820	580	**EXCEEDS**
594	LOUISVILLE	21-Oct-04		470	280	**EXCEEDS**
594	LOUISVILLE	26-Oct-04		71	54	
			GEOMETRIC MEAN	85	56	
608.7	LOUISVILLE	05-Oct-04		40	32	
608.7	LOUISVILLE	12-Oct-04		4	4	
608.7	LOUISVILLE	19-Oct-04		655	510	**EXCEEDS**
608.7	LOUISVILLE	21-Oct-04		540	350	**EXCEEDS**
608.7	LOUISVILLE	26-Oct-04		46	46	**EXCEEDS**
			GEOMETRIC MEAN	76	64	
619.3	LOUISVILLE	05-Oct-04		52	24	
619.3	LOUISVILLE	12-Oct-04		4	4	
619.3	LOUISVILLE	19-Oct-04		1,200	6,400	**EXCEEDS**
619.3	LOUISVILLE	21-Oct-04		530	360	**EXCEEDS**
619.3	LOUISVILLE	26-Oct-04		450	243	**EXCEEDS**
			GEOMETRIC MEAN	143	140	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
791.5	EVANSVILLE	04-May-04		530	450	**EXCEEDS**
791.5	EVANSVILLE	11-May-04		37	32	
791.5	EVANSVILLE	18-May-04		204	96	
791.5	EVANSVILLE	20-May-04		186	194	
791.5	EVANSVILLE	25-May-04		92	63	
			GEOMETRIC MEAN	147	111	
793.7	EVANSVILLE	04-May-04		350	257	**EXCEEDS**
793.7	EVANSVILLE	11-May-04		220	231	
793.7	EVANSVILLE	18-May-04		300	269	**EXCEEDS**
793.7	EVANSVILLE	20-May-04		709	650	**EXCEEDS**
793.7	EVANSVILLE	25-May-04		171	120	
			GEOMETRIC MEAN	309	262	**EXCEEDS**
797.3	EVANSVILLE	04-May-04		550	400	**EXCEEDS**
797.3	EVANSVILLE	11-May-04		66	49	
797.3	EVANSVILLE	18-May-04		380	390	**EXCEEDS**
797.3	EVANSVILLE	20-May-04		773	400	**EXCEEDS**
797.3	EVANSVILLE	25-May-04		197	100	
			GEOMETRIC MEAN	291	198	**EXCEEDS**
791.5	EVANSVILLE	01-Jun-04		450	223	**EXCEEDS**
791.5	EVANSVILLE	08-Jun-04		718	720	**EXCEEDS**
791.5	EVANSVILLE	15-Jun-04		152	152	
791.5	EVANSVILLE	22-Jun-04		440	320	**EXCEEDS**
791.5	EVANSVILLE	29-Jun-04		66	12	
			GEOMETRIC MEAN	270	156	**EXCEEDS**
793.7	EVANSVILLE	01-Jun-04		791	682	**EXCEEDS**
793.7	EVANSVILLE	08-Jun-04		645	550	**EXCEEDS**
793.7	EVANSVILLE	15-Jun-04		208	224	
793.7	EVANSVILLE	22-Jun-04		430	330	**EXCEEDS**
793.7	EVANSVILLE	29-Jun-04		112	100	
			GEOMETRIC MEAN	348	308	**EXCEEDS**
797.3	EVANSVILLE	01-Jun-04		580	300	**EXCEEDS**
797.3	EVANSVILLE	08-Jun-04		550	360	**EXCEEDS**
797.3	EVANSVILLE	15-Jun-04		228	108	
797.3	EVANSVILLE	22-Jun-04		230	206	
797.3	EVANSVILLE	29-Jun-04		116	108	
			GEOMETRIC MEAN	287	192	**EXCEEDS**
791.5	EVANSVILLE	06-Jul-04		2,200	1,009	**EXCEEDS**
791.5	EVANSVILLE	13-Jul-04		809	340	**EXCEEDS**
791.5	EVANSVILLE	20-Jul-04		1,300	900	**EXCEEDS**
791.5	EVANSVILLE	22-Jul-04		169	86	
791.5	EVANSVILLE	27-Jul-04		76	12	
			GEOMETRIC MEAN	495	200	**EXCEEDS**
793.7	EVANSVILLE	06-Jul-04		2,900	1,200	**EXCEEDS**
793.7	EVANSVILLE	13-Jul-04		590	440	**EXCEEDS**
793.7	EVANSVILLE	20-Jul-04		400	280	**EXCEEDS**
793.7	EVANSVILLE	22-Jul-04		380	490	**EXCEEDS**
793.7	EVANSVILLE	27-Jul-04		530	64	**EXCEEDS**
			GEOMETRIC MEAN	673	341	**EXCEEDS**
797.3	EVANSVILLE	06-Jul-04		782	480	**EXCEEDS**
797.3	EVANSVILLE	13-Jul-04		370	140	
797.3	EVANSVILLE	20-Jul-04		184	74	
797.3	EVANSVILLE	22-Jul-04		234	37	
797.3	EVANSVILLE	27-Jul-04		48	16	
			GEOMETRIC MEAN	227	78	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
791.5	EVANSVILLE	03-Aug-04		36	22	
791.5	EVANSVILLE	10-Aug-04		250	100	
791.5	EVANSVILLE	17-Aug-04		4	4	
791.5	EVANSVILLE	24-Aug-04		370	236	
791.5	EVANSVILLE	31-Aug-04		120	20	
			GEOMETRIC MEAN	69	33	
793.7	EVANSVILLE	03-Aug-04		80	32	
793.7	EVANSVILLE	10-Aug-04		490	380	**EXCEEDS**
793.7	EVANSVILLE	17-Aug-04		120	40	
793.7	EVANSVILLE	24-Aug-04		5,500	1,800	**EXCEEDS**
793.7	EVANSVILLE	31-Aug-04		1,200	991	**EXCEEDS**
			GEOMETRIC MEAN	499	244	**EXCEEDS**
797.3	EVANSVILLE	03-Aug-04		60	60	
797.3	EVANSVILLE	10-Aug-04		77	51	
797.3	EVANSVILLE	17-Aug-04		120	40	
797.3	EVANSVILLE	24-Aug-04		66	40	
797.3	EVANSVILLE	31-Aug-04		88	40	
			GEOMETRIC MEAN	80	46	
791.5	EVANSVILLE	07-Sep-04		40	36	
791.5	EVANSVILLE	14-Sep-04		218	69	
791.5	EVANSVILLE	21-Sep-04		200	128	
791.5	EVANSVILLE	23-Sep-04		400	300	**EXCEEDS**
791.5	EVANSVILLE	28-Sep-04		200	297	**EXCEEDS**
			GEOMETRIC MEAN	169	123	
793.7	EVANSVILLE	07-Sep-04		8,100	2,000	**EXCEEDS**
793.7	EVANSVILLE	14-Sep-04		483	80	**EXCEEDS**
793.7	EVANSVILLE	21-Sep-04		140	100	
793.7	EVANSVILLE	23-Sep-04		400	360	**EXCEEDS**
793.7	EVANSVILLE	28-Sep-04		377	283	**EXCEEDS**
			GEOMETRIC MEAN	607	277	**EXCEEDS**
797.3	EVANSVILLE	07-Sep-04		66	56	
797.3	EVANSVILLE	14-Sep-04		200	80	
797.3	EVANSVILLE	21-Sep-04		300	180	
797.3	EVANSVILLE	23-Sep-04		240	186	
797.3	EVANSVILLE	28-Sep-04		500	234	**EXCEEDS**
			GEOMETRIC MEAN	216	129	**EXCEEDS**
791.5	EVANSVILLE	05-Oct-04		32	12	
791.5	EVANSVILLE	12-Oct-04		88	20	
791.5	EVANSVILLE	19-Oct-04		209	104	
791.5	EVANSVILLE	21-Oct-04		470	280	**EXCEEDS**
791.5	EVANSVILLE	26-Oct-04		84	120	
			GEOMETRIC MEAN	118	61	
793.7	EVANSVILLE	05-Oct-04		112	49	
793.7	EVANSVILLE	12-Oct-04		791	590	**EXCEEDS**
793.7	EVANSVILLE	19-Oct-04		540	350	**EXCEEDS**
793.7	EVANSVILLE	21-Oct-04		809	836	**EXCEEDS**
793.7	EVANSVILLE	26-Oct-04		200	160	
			GEOMETRIC MEAN	378	267	**EXCEEDS**
797.3	EVANSVILLE	05-Oct-04		54	44	
797.3	EVANSVILLE	12-Oct-04		100	20	
797.3	EVANSVILLE	19-Oct-04		3,000	2,800	**EXCEEDS**
797.3	EVANSVILLE	21-Oct-04		530	360	**EXCEEDS**
797.3	EVANSVILLE	26-Oct-04		140	140	
			GEOMETRIC MEAN	261	166	**EXCEEDS**

FECAL- Not to exceed 400 in more than 10% of samples taken during month
Not to exceed 200 as a monthly geometric mean (at least 5 samples required)

E.COLI- Not to exceed 240 in any single sample
Not to exceed 130 as a monthly geometric mean (at least 5 samples required)

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	05-May-05		266	8	
1.4R	PITTSBURGH	10-May-05		80	24	
1.4R	PITTSBURGH	17-May-05		800	280	**EXCEEDS**
1.4R	PITTSBURGH	24-May-05		8,300	4,200	**EXCEEDS**
1.4R	PITTSBURGH	26-May-05		240	196	
			GEOMETRIC MEAN	508	135	**EXCEEDS**
1.4M	PITTSBURGH	05-May-05		370	44	
1.4M	PITTSBURGH	10-May-05		600	16	**EXCEEDS**
1.4M	PITTSBURGH	17-May-05		580	110	**EXCEEDS**
1.4M	PITTSBURGH	24-May-05		3,500	1,000	**EXCEEDS**
1.4M	PITTSBURGH	26-May-05		171	226	
			GEOMETRIC MEAN	599	112	**EXCEEDS**
1.4L	PITTSBURGH	05-May-05		250	63	
1.4L	PITTSBURGH	10-May-05		369	16	
1.4L	PITTSBURGH	17-May-05		881	184	**EXCEEDS**
1.4L	PITTSBURGH	24-May-05		2,000	1,700	**EXCEEDS**
1.4L	PITTSBURGH	26-May-05		400	410	**EXCEEDS**
			GEOMETRIC MEAN	579	167	**EXCEEDS**
4.3	PITTSBURGH	05-May-05		120	43	
4.3	PITTSBURGH	10-May-05		230	16	
4.3	PITTSBURGH	17-May-05		1,000	132	**EXCEEDS**
4.3	PITTSBURGH	24-May-05		673	300	**EXCEEDS**
4.3	PITTSBURGH	26-May-05		180	194	
			GEOMETRIC MEAN	320	88	**EXCEEDS**
1.4R	PITTSBURGH	09-Jun-05		420	57	**EXCEEDS**
1.4R	PITTSBURGH	14-Jun-05		670	191	**EXCEEDS**
1.4R	PITTSBURGH	21-Jun-05		100	124	
1.4R	PITTSBURGH	23-Jun-05		69	64	
1.4R	PITTSBURGH	28-Jun-05		270	209	
			GEOMETRIC MEAN	221	113	**EXCEEDS**
1.4M	PITTSBURGH	09-Jun-05		400	250	**EXCEEDS**
1.4M	PITTSBURGH	14-Jun-05		340	74	
1.4M	PITTSBURGH	21-Jun-05		112	92	
1.4M	PITTSBURGH	23-Jun-05		116	104	
1.4M	PITTSBURGH	28-Jun-05		132	88	
			GEOMETRIC MEAN	188	109	
1.4L	PITTSBURGH	09-Jun-05		230	124	
1.4L	PITTSBURGH	14-Jun-05		440	691	**EXCEEDS**
1.4L	PITTSBURGH	21-Jun-05		150	100	
1.4L	PITTSBURGH	23-Jun-05		104	80	
1.4L	PITTSBURGH	28-Jun-05		150	49	
			GEOMETRIC MEAN	188	127	
4.3	PITTSBURGH	09-Jun-05		310	104	
4.3	PITTSBURGH	14-Jun-05		214	900	**EXCEEDS**
4.3	PITTSBURGH	21-Jun-05		86	94	
4.3	PITTSBURGH	23-Jun-05		69	46	
4.3	PITTSBURGH	28-Jun-05		80	49	
			GEOMETRIC MEAN	126	115	

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	05-Jul-05		50	67	
1.4R	PITTSBURGH	12-Jul-05		550	150	**EXCEEDS**
1.4R	PITTSBURGH	19-Jul-05		2,000	882	**EXCEEDS**
1.4R	PITTSBURGH	21-Jul-05		450	128	**EXCEEDS**
1.4R	PITTSBURGH	26-Jul-05		6,900	8,600	**EXCEEDS**
			GEOMETRIC MEAN	702	396	**EXCEEDS**
1.4M	PITTSBURGH	05-Jul-05		500	144	**EXCEEDS**
1.4M	PITTSBURGH	12-Jul-05		71	40	
1.4M	PITTSBURGH	19-Jul-05		2,400	4,600	**EXCEEDS**
1.4M	PITTSBURGH	21-Jul-05		410	184	**EXCEEDS**
1.4M	PITTSBURGH	26-Jul-05		6,700	5,400	**EXCEEDS**
			GEOMETRIC MEAN	748	483	**EXCEEDS**
1.4L	PITTSBURGH	05-Jul-05		90	40	
1.4L	PITTSBURGH	12-Jul-05		96	80	
1.4L	PITTSBURGH	19-Jul-05		1,700	991	**EXCEEDS**
1.4L	PITTSBURGH	21-Jul-05		330	168	
1.4L	PITTSBURGH	26-Jul-05		5,600	6,500	**EXCEEDS**
			GEOMETRIC MEAN	486	322	**EXCEEDS**
4.3	PITTSBURGH	05-Jul-05		150	71	
4.3	PITTSBURGH	12-Jul-05		260	166	
4.3	PITTSBURGH	19-Jul-05		682	472	**EXCEEDS**
4.3	PITTSBURGH	21-Jul-05		250	80	
4.3	PITTSBURGH	26-Jul-05		2,700	3,200	**EXCEEDS**
			GEOMETRIC MEAN	448	270	**EXCEEDS**
1.4R	PITTSBURGH	02-Aug-05		189	191	
1.4R	PITTSBURGH	09-Aug-05		3,200	4,200	**EXCEEDS**
1.4R	PITTSBURGH	16-Aug-05		330	100	
1.4R	PITTSBURGH	23-Aug-05		550	460	**EXCEEDS**
1.4R	PITTSBURGH	30-Aug-05		6,500	300	**EXCEEDS**
			GEOMETRIC MEAN	935	406	**EXCEEDS**
1.4M	PITTSBURGH	02-Aug-05		88	150	
1.4M	PITTSBURGH	09-Aug-05		1,300	3,300	**EXCEEDS**
1.4M	PITTSBURGH	16-Aug-05		300	104	
1.4M	PITTSBURGH	23-Aug-05		2,200	460	**EXCEEDS**
1.4M	PITTSBURGH	30-Aug-05		12,800	5,100	**EXCEEDS**
			GEOMETRIC MEAN	993	655	**EXCEEDS**
1.4L	PITTSBURGH	02-Aug-05		156	200	
1.4L	PITTSBURGH	09-Aug-05		2,100	627	**EXCEEDS**
1.4L	PITTSBURGH	16-Aug-05		550	124	**EXCEEDS**
1.4L	PITTSBURGH	23-Aug-05		1,500	600	**EXCEEDS**
1.4L	PITTSBURGH	30-Aug-05		11,300	9,100	**EXCEEDS**
			GEOMETRIC MEAN	1,250	611	**EXCEEDS**
4.3	PITTSBURGH	02-Aug-05		156	94	
4.3	PITTSBURGH	09-Aug-05		700	370	**EXCEEDS**
4.3	PITTSBURGH	16-Aug-05		250	51	
4.3	PITTSBURGH	23-Aug-05		600	450	**EXCEEDS**
4.3	PITTSBURGH	30-Aug-05		2,900	2,500	**EXCEEDS**
			GEOMETRIC MEAN	544	288	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
1.4R	PITTSBURGH	08-Sep-05		250	210	
1.4R	PITTSBURGH	13-Sep-05		69	146	
1.4R	PITTSBURGH	20-Sep-05		232	160	
1.4R	PITTSBURGH	22-Sep-05		111	182	
1.4R	PITTSBURGH	27-Sep-05		718	220	**EXCEEDS**
			GEOMETRIC MEAN	200	181	**EXCEEDS**
1.4M	PITTSBURGH	08-Sep-05		140	230	
1.4M	PITTSBURGH	13-Sep-05		60	83	
1.4M	PITTSBURGH	20-Sep-05		251	32	
1.4M	PITTSBURGH	22-Sep-05		172	43	
1.4M	PITTSBURGH	27-Sep-05		955	550	**EXCEEDS**
			GEOMETRIC MEAN	203	108	**EXCEEDS**
1.4L	PITTSBURGH	08-Sep-05		180	80	
1.4L	PITTSBURGH	13-Sep-05		16	100	
1.4L	PITTSBURGH	20-Sep-05		240	80	
1.4L	PITTSBURGH	22-Sep-05		80	74	
1.4L	PITTSBURGH	27-Sep-05		580	280	**EXCEEDS**
			GEOMETRIC MEAN	126	106	
4.3	PITTSBURGH	08-Sep-05		500	100	**EXCEEDS**
4.3	PITTSBURGH	13-Sep-05		196	280	**EXCEEDS**
4.3	PITTSBURGH	20-Sep-05		330	86	
4.3	PITTSBURGH	22-Sep-05		128	84	
4.3	PITTSBURGH	27-Sep-05		2,600	1,300	**EXCEEDS**
			GEOMETRIC MEAN	404	192	**EXCEEDS**
1.4R	PITTSBURGH	04-Oct-05		340	188	
1.4R	PITTSBURGH	11-Oct-05		300	240	
1.4R	PITTSBURGH	18-Oct-05		140	100	
1.4R	PITTSBURGH	20-Oct-05		246	216	
1.4R	PITTSBURGH	25-Oct-05		4,300	60,000	**EXCEEDS**
			GEOMETRIC MEAN	432	567	**EXCEEDS**
1.4M	PITTSBURGH	04-Oct-05		290	49	
1.4M	PITTSBURGH	11-Oct-05		245	200	
1.4M	PITTSBURGH	18-Oct-05		310	134	
1.4M	PITTSBURGH	20-Oct-05		460	320	**EXCEEDS**
1.4M	PITTSBURGH	25-Oct-05		60,000	12,500	**EXCEEDS**
			GEOMETRIC MEAN	905	350	**EXCEEDS**
1.4L	PITTSBURGH	04-Oct-05		270	189	
1.4L	PITTSBURGH	11-Oct-05		350	220	
1.4L	PITTSBURGH	18-Oct-05		196	180	
1.4L	PITTSBURGH	20-Oct-05		520	370	**EXCEEDS**
1.4L	PITTSBURGH	25-Oct-05		200	5,900	**EXCEEDS**
			GEOMETRIC MEAN	286	439	**EXCEEDS**
4.3	PITTSBURGH	04-Oct-05		560	100	**EXCEEDS**
4.3	PITTSBURGH	11-Oct-05		1,400	1,200	**EXCEEDS**
4.3	PITTSBURGH	18-Oct-05		71	80	
4.3	PITTSBURGH	20-Oct-05		46	16	
4.3	PITTSBURGH	25-Oct-05		10,300	7,800	**EXCEEDS**
			GEOMETRIC MEAN	483	260	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
86.8	WHEELING	03-May-05		197	48	
86.8	WHEELING	10-May-05		37	12	
86.8	WHEELING	17-May-05		144	36	
86.8	WHEELING	19-May-05		132	32	
86.8	WHEELING	24-May-05		40	36	
			GEOMETRIC MEAN	89	30	
91.4	WHEELING	03-May-05		132	40	
91.4	WHEELING	10-May-05		28	8	
91.4	WHEELING	17-May-05		154	40	
91.4	WHEELING	19-May-05		20	28	
91.4	WHEELING	24-May-05		92	48	
			GEOMETRIC MEAN	64	28	
92.8	WHEELING	03-May-05		132	32	
92.8	WHEELING	10-May-05		96	26	
92.8	WHEELING	17-May-05		229	128	
92.8	WHEELING	19-May-05		209	74	
92.8	WHEELING	24-May-05		486	188	**EXCEEDS**
			GEOMETRIC MEAN	197	68	
86.8	WHEELING	07-Jun-05		40	20	
86.8	WHEELING	14-Jun-05		57	56	
86.8	WHEELING	21-Jun-05		92	16	
86.8	WHEELING	23-Jun-05		32	20	
86.8	WHEELING	28-Jun-05		350	12	
			GEOMETRIC MEAN	75	21	
91.4	WHEELING	07-Jun-05		34	32	
91.4	WHEELING	14-Jun-05		100	71	
91.4	WHEELING	21-Jun-05		16	12	
91.4	WHEELING	23-Jun-05		40	4	
91.4	WHEELING	28-Jun-05		51	136	
			GEOMETRIC MEAN	41	27	
92.8	WHEELING	07-Jun-05		340	520	**EXCEEDS**
92.8	WHEELING	14-Jun-05		214	71	
92.8	WHEELING	21-Jun-05		204	56	
92.8	WHEELING	23-Jun-05		500	310	**EXCEEDS**
92.8	WHEELING	28-Jun-05		86	78	
			GEOMETRIC MEAN	230	138	**EXCEEDS**
86.8	WHEELING	05-Jul-05		32	4	
86.8	WHEELING	12-Jul-05		24	4	
86.8	WHEELING	19-Jul-05		40	20	
86.8	WHEELING	21-Jul-05		20	8	
86.8	WHEELING	26-Jul-05		240	31	
			GEOMETRIC MEAN	43	10	
91.4	WHEELING	05-Jul-05		8	8	
91.4	WHEELING	12-Jul-05		864	450	**EXCEEDS**
91.4	WHEELING	19-Jul-05		228	64	
91.4	WHEELING	21-Jul-05		1,591	709	**EXCEEDS**
91.4	WHEELING	26-Jul-05		840	180	**EXCEEDS**
			GEOMETRIC MEAN	292	124	**EXCEEDS**
92.8	WHEELING	05-Jul-05		20	16	
92.8	WHEELING	12-Jul-05		132	20	
92.8	WHEELING	19-Jul-05		168	88	
92.8	WHEELING	21-Jul-05		991	128	**EXCEEDS**
92.8	WHEELING	26-Jul-05		6,800	1,600	**EXCEEDS**
			GEOMETRIC MEAN	313	90	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
86.8	WHEELING	02-Aug-05		16	8	
86.8	WHEELING	09-Aug-05		46	128	
86.8	WHEELING	16-Aug-05		152	104	
86.8	WHEELING	23-Aug-05		4	4	
86.8	WHEELING	30-Aug-05		20	210	
			GEOMETRIC MEAN	25	39	
91.4	WHEELING	02-Aug-05		8	4	
91.4	WHEELING	09-Aug-05		77	63	
91.4	WHEELING	16-Aug-05		309	176	
91.4	WHEELING	23-Aug-05		4	24	
91.4	WHEELING	30-Aug-05		108	136	
			GEOMETRIC MEAN	38	43	
92.8	WHEELING	02-Aug-05		12	8	
92.8	WHEELING	09-Aug-05		350	230	
92.8	WHEELING	16-Aug-05		6,000	6,000	**EXCEEDS**
92.8	WHEELING	23-Aug-05		46	12	
92.8	WHEELING	30-Aug-05		1,691	1,036	**EXCEEDS**
			GEOMETRIC MEAN	287	169	**EXCEEDS**
86.8	WHEELING	06-Sep-05		188	136	
86.8	WHEELING	13-Sep-05		30	16	
86.8	WHEELING	20-Sep-05		8	4	
86.8	WHEELING	22-Sep-05		136	4	
86.8	WHEELING	27-Sep-05		4	4	
			GEOMETRIC MEAN	30	11	
91.4	WHEELING	06-Sep-05		84	32	
91.4	WHEELING	13-Sep-05		24	12	
91.4	WHEELING	20-Sep-05		36	20	
91.4	WHEELING	22-Sep-05		20	8	
91.4	WHEELING	27-Sep-05		24	12	
			GEOMETRIC MEAN	32	15	
92.8	WHEELING	06-Sep-05		160	92	
92.8	WHEELING	13-Sep-05		71	34	
92.8	WHEELING	20-Sep-05		74	310	**EXCEEDS**
92.8	WHEELING	22-Sep-05		260	8	
92.8	WHEELING	27-Sep-05		43	28	
			GEOMETRIC MEAN	99	46	
86.8	WHEELING	04-Oct-05		56	20	
86.8	WHEELING	11-Oct-05		510	77	**EXCEEDS**
86.8	WHEELING	18-Oct-05		32	8	
86.8	WHEELING	20-Oct-05		4	4	
86.8	WHEELING	25-Oct-05		228	140	
			GEOMETRIC MEAN	66	26	
91.4	WHEELING	04-Oct-05		32	4	
91.4	WHEELING	11-Oct-05		86	44	
91.4	WHEELING	18-Oct-05		137	43	
91.4	WHEELING	20-Oct-05		12	56	
91.4	WHEELING	25-Oct-05		237	57	
			GEOMETRIC MEAN	64	29	
92.8	WHEELING	04-Oct-05		48	20	
92.8	WHEELING	11-Oct-05		57	24	
92.8	WHEELING	18-Oct-05		60	60	
92.8	WHEELING	20-Oct-05		32	12	
92.8	WHEELING	25-Oct-05		1,755	709	**EXCEEDS**
			GEOMETRIC MEAN	92	44	

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
305.1	HUNTINGTON	03-May-05		320	151	
305.1	HUNTINGTON	10-May-05		104	80	
305.1	HUNTINGTON	17-May-05		52	28	
305.1	HUNTINGTON	19-May-05		8	8	
305.1	HUNTINGTON	24-May-05		231	89	
			GEOMETRIC MEAN	80	47	
308.1	HUNTINGTON	03-May-05		590	480	**EXCEEDS**
308.1	HUNTINGTON	10-May-05		84	24	
308.1	HUNTINGTON	17-May-05		88	52	
308.1	HUNTINGTON	19-May-05		84	24	
308.1	HUNTINGTON	24-May-05		234	132	
			GEOMETRIC MEAN	154	72	
314.8	HUNTINGTON	03-May-05		380	152	
314.8	HUNTINGTON	10-May-05		140	80	
314.8	HUNTINGTON	17-May-05		140	109	
314.8	HUNTINGTON	19-May-05		132	108	
314.8	HUNTINGTON	24-May-05		194	160	
			GEOMETRIC MEAN	180	118	
305.1	HUNTINGTON	07-Jun-05		8	8	
305.1	HUNTINGTON	14-Jun-05		20	16	
305.1	HUNTINGTON	21-Jun-05		4	4	
305.1	HUNTINGTON	23-Jun-05		4	4	
305.1	HUNTINGTON	28-Jun-05		4	4	
			GEOMETRIC MEAN	6	6	
308.1	HUNTINGTON	07-Jun-05		246	171	
308.1	HUNTINGTON	14-Jun-05		69	43	
308.1	HUNTINGTON	21-Jun-05		51	9	
308.1	HUNTINGTON	23-Jun-05		1,300	1,100	**EXCEEDS**
308.1	HUNTINGTON	28-Jun-05		40	20	
			GEOMETRIC MEAN	135	68	
314.8	HUNTINGTON	07-Jun-05		116	74	
314.8	HUNTINGTON	14-Jun-05		290	217	
314.8	HUNTINGTON	21-Jun-05		194	97	
314.8	HUNTINGTON	23-Jun-05		224	36	
314.8	HUNTINGTON	28-Jun-05		20	16	
			GEOMETRIC MEAN	124	62	
305.1	HUNTINGTON	05-Jul-05		4	4	
305.1	HUNTINGTON	12-Jul-05		124	66	
305.1	HUNTINGTON	19-Jul-05		583	420	**EXCEEDS**
305.1	HUNTINGTON	21-Jul-05		580	300	**EXCEEDS**
305.1	HUNTINGTON	26-Jul-05		12	12	
			GEOMETRIC MEAN	73	53	
308.1	HUNTINGTON	05-Jul-05		96	96	
308.1	HUNTINGTON	12-Jul-05		100	60	
308.1	HUNTINGTON	19-Jul-05		600	500	**EXCEEDS**
308.1	HUNTINGTON	21-Jul-05		817	520	**EXCEEDS**
308.1	HUNTINGTON	26-Jul-05		40	20	
			GEOMETRIC MEAN	180	125	
314.8	HUNTINGTON	05-Jul-05		214	134	
314.8	HUNTINGTON	12-Jul-05		140	80	
314.8	HUNTINGTON	19-Jul-05		580	410	**EXCEEDS**
314.8	HUNTINGTON	21-Jul-05		2,400	873	**EXCEEDS**
314.8	HUNTINGTON	26-Jul-05		380	96	
			GEOMETRIC MEAN	437	206	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
305.1	HUNTINGTON	02-Aug-05		40	24	
305.1	HUNTINGTON	09-Aug-05		174	92	
305.1	HUNTINGTON	16-Aug-05		8	4	
305.1	HUNTINGTON	23-Aug-05		60	64	
305.1	HUNTINGTON	30-Aug-05		410	220	**EXCEEDS**
			GEOMETRIC MEAN	67	42	
308.1	HUNTINGTON	02-Aug-05		160	80	
308.1	HUNTINGTON	09-Aug-05		108	108	
308.1	HUNTINGTON	16-Aug-05		48	20	
308.1	HUNTINGTON	23-Aug-05		180	112	
308.1	HUNTINGTON	30-Aug-05		882	464	**EXCEEDS**
			GEOMETRIC MEAN	167	98	
314.8	HUNTINGTON	02-Aug-05		510	211	**EXCEEDS**
314.8	HUNTINGTON	09-Aug-05		108	71	
314.8	HUNTINGTON	16-Aug-05		36	24	
314.8	HUNTINGTON	23-Aug-05		96	74	
314.8	HUNTINGTON	30-Aug-05		560	480	**EXCEEDS**
			GEOMETRIC MEAN	161	105	
305.1	HUNTINGTON	06-Sep-05		176	124	
305.1	HUNTINGTON	13-Sep-05		320	172	
305.1	HUNTINGTON	20-Sep-05		243	191	
305.1	HUNTINGTON	22-Sep-05		380	137	
305.1	HUNTINGTON	27-Sep-05		430	350	**EXCEEDS**
			GEOMETRIC MEAN	295	181	**EXCEEDS**
308.1	HUNTINGTON	06-Sep-05		148	92	
308.1	HUNTINGTON	13-Sep-05		320	191	
308.1	HUNTINGTON	20-Sep-05		100	60	
308.1	HUNTINGTON	22-Sep-05		229	96	
308.1	HUNTINGTON	27-Sep-05		132	80	
			GEOMETRIC MEAN	170	96	
314.8	HUNTINGTON	06-Sep-05		209	108	
314.8	HUNTINGTON	13-Sep-05		237	112	
314.8	HUNTINGTON	20-Sep-05		77	46	
314.8	HUNTINGTON	22-Sep-05		100	63	
314.8	HUNTINGTON	27-Sep-05		410	330	**EXCEEDS**
			GEOMETRIC MEAN	173	103	
305.1	HUNTINGTON	04-Oct-05		136	112	
305.1	HUNTINGTON	11-Oct-05		54	8	
305.1	HUNTINGTON	18-Oct-05		20	4	
305.1	HUNTINGTON	20-Oct-05		57	40	
305.1	HUNTINGTON	25-Oct-05		217	128	
			GEOMETRIC MEAN	71	28	
308.1	HUNTINGTON	04-Oct-05		12	51	
308.1	HUNTINGTON	11-Oct-05		189	32	
308.1	HUNTINGTON	18-Oct-05		3,200	2,500	**EXCEEDS**
308.1	HUNTINGTON	20-Oct-05		92	51	
308.1	HUNTINGTON	25-Oct-05		60	20	
			GEOMETRIC MEAN	132	84	
314.8	HUNTINGTON	04-Oct-05		390	156	
314.8	HUNTINGTON	11-Oct-05		57	24	
314.8	HUNTINGTON	18-Oct-05		51	12	
314.8	HUNTINGTON	20-Oct-05		77	43	
314.8	HUNTINGTON	25-Oct-05		231	128	
			GEOMETRIC MEAN	115	48	

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
462.6	CINCINNATI	03-May-05		480	430	**EXCEEDS**
462.6	CINCINNATI	10-May-05		32	20	
462.6	CINCINNATI	17-May-05		56	52	
462.6	CINCINNATI	19-May-05		31	12	
462.6	CINCINNATI	24-May-05		80	37	
			GEOMETRIC MEAN	73	46	
470	CINCINNATI	03-May-05		580	570	**EXCEEDS**
470	CINCINNATI	10-May-05		137	112	
470	CINCINNATI	17-May-05		84	48	
470	CINCINNATI	19-May-05		210	144	
470	CINCINNATI	24-May-05		112	37	
			GEOMETRIC MEAN	173	110	
477.5	CINCINNATI	03-May-05		540	500	**EXCEEDS**
477.5	CINCINNATI	10-May-05		43	32	
477.5	CINCINNATI	17-May-05		400	77	
477.5	CINCINNATI	19-May-05		108	44	
477.5	CINCINNATI	24-May-05		64	40	
			GEOMETRIC MEAN	145	74	
462.6	CINCINNATI	07-Jun-05		36	36	
462.6	CINCINNATI	14-Jun-05		220	180	
462.6	CINCINNATI	21-Jun-05		96	40	
462.6	CINCINNATI	23-Jun-05		12	12	
462.6	CINCINNATI	28-Jun-05		410	211	**EXCEEDS**
			GEOMETRIC MEAN	82	58	
470	CINCINNATI	07-Jun-05		40	28	
470	CINCINNATI	14-Jun-05		250	200	
470	CINCINNATI	21-Jun-05		60	40	
470	CINCINNATI	23-Jun-05		20	16	
470	CINCINNATI	28-Jun-05		46	44	
			GEOMETRIC MEAN	56	44	
477.5	CINCINNATI	07-Jun-05		28	16	
477.5	CINCINNATI	14-Jun-05		840	560	**EXCEEDS**
477.5	CINCINNATI	21-Jun-05		36	4	
477.5	CINCINNATI	23-Jun-05		112	72	
477.5	CINCINNATI	28-Jun-05		20	20	
			GEOMETRIC MEAN	72	35	
462.6	CINCINNATI	05-Jul-05		20	8	
462.6	CINCINNATI	12-Jul-05		36	28	
462.6	CINCINNATI	19-Jul-05		88	24	
462.6	CINCINNATI	21-Jul-05		71	16	
462.6	CINCINNATI	26-Jul-05		16	8	
			GEOMETRIC MEAN	37	15	
470	CINCINNATI	05-Jul-05		40	52	
470	CINCINNATI	12-Jul-05		40	12	
470	CINCINNATI	19-Jul-05		891	520	**EXCEEDS**
470	CINCINNATI	21-Jul-05		764	290	**EXCEEDS**
470	CINCINNATI	26-Jul-05		28	10	
			GEOMETRIC MEAN	125	62	
477.5	CINCINNATI	05-Jul-05		152	148	
477.5	CINCINNATI	12-Jul-05		12	32	
477.5	CINCINNATI	19-Jul-05		300	128	
477.5	CINCINNATI	21-Jul-05		809	540	**EXCEEDS**
477.5	CINCINNATI	26-Jul-05		24	24	
			GEOMETRIC MEAN	101	95	

EXCEEDS- Value exceeds Commission criteria

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
462.6	CINCINNATI	02-Aug-05		148	84	
462.6	CINCINNATI	09-Aug-05		8	4	
462.6	CINCINNATI	17-Aug-05		37	4	
462.6	CINCINNATI	23-Aug-05		4	4	
462.6	CINCINNATI	30-Aug-05		6,500	1,300	**EXCEEDS**
			GEOMETRIC MEAN	65	23	
470	CINCINNATI	02-Aug-05		12	8	
470	CINCINNATI	09-Aug-05		12	12	
470	CINCINNATI	17-Aug-05		645	28	**EXCEEDS**
470	CINCINNATI	23-Aug-05		48	40	
470	CINCINNATI	30-Aug-05		8,200	4,800	**EXCEEDS**
			GEOMETRIC MEAN	130	55	
477.5	CINCINNATI	02-Aug-05		490	36	**EXCEEDS**
477.5	CINCINNATI	09-Aug-05		84	60	
477.5	CINCINNATI	17-Aug-05		237	100	
477.5	CINCINNATI	23-Aug-05		40	36	
477.5	CINCINNATI	30-Aug-05		160	32	
			GEOMETRIC MEAN	144	48	
462.6	CINCINNATI	13-Sep-05		84	64	
462.6	CINCINNATI	15-Sep-05		280	144	
462.6	CINCINNATI	20-Sep-05		177	160	
462.6	CINCINNATI	22-Sep-05		12	4	
462.6	CINCINNATI	27-Sep-05		8	4	
			GEOMETRIC MEAN	53	30	
470	CINCINNATI	13-Sep-05		28	12	
470	CINCINNATI	15-Sep-05		290	170	
470	CINCINNATI	20-Sep-05		530	310	**EXCEEDS**
470	CINCINNATI	22-Sep-05		63	48	
470	CINCINNATI	27-Sep-05		136	100	
			GEOMETRIC MEAN	130	79	
477.5	CINCINNATI	13-Sep-05		80	48	
477.5	CINCINNATI	15-Sep-05		52	8	
477.5	CINCINNATI	20-Sep-05		140	49	
477.5	CINCINNATI	22-Sep-05		230	152	
477.5	CINCINNATI	27-Sep-05		450	220	**EXCEEDS**
			GEOMETRIC MEAN	143	58	
462.6	CINCINNATI	04-Oct-05		4	4	
462.6	CINCINNATI	11-Oct-05		108	20	
462.6	CINCINNATI	18-Oct-05		20	4	
462.6	CINCINNATI	20-Oct-05		28	4	
462.6	CINCINNATI	25-Oct-05		219	12	
			GEOMETRIC MEAN	35	7	
470	CINCINNATI	04-Oct-05		12	16	
470	CINCINNATI	11-Oct-05		10	8	
470	CINCINNATI	18-Oct-05		8	8	
470	CINCINNATI	20-Oct-05		20	8	
470	CINCINNATI	25-Oct-05		108	46	
			GEOMETRIC MEAN	18	13	
477.5	CINCINNATI	04-Oct-05		32	12	
477.5	CINCINNATI	11-Oct-05		28	4	
477.5	CINCINNATI	18-Oct-05		54	16	
477.5	CINCINNATI	20-Oct-05		57	12	
477.5	CINCINNATI	25-Oct-05		681	290	**EXCEEDS**
			GEOMETRIC MEAN	72	19	

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
594	LOUISVILLE	03-May-05		209	214	
594	LOUISVILLE	10-May-05		40	40	
594	LOUISVILLE	16-May-05		74	69	
594	LOUISVILLE	19-May-05		40	17	
594	LOUISVILLE	24-May-05		223	214	
			GEOMETRIC MEAN	89	74	
608.7	LOUISVILLE	03-May-05		217	166	
608.7	LOUISVILLE	10-May-05		40	9	
608.7	LOUISVILLE	16-May-05		77	60	
608.7	LOUISVILLE	19-May-05		8	17	
608.7	LOUISVILLE	24-May-05		100	136	
			GEOMETRIC MEAN	56	46	
619.3	LOUISVILLE	03-May-05		430	251	**EXCEEDS**
619.3	LOUISVILLE	10-May-05		60	14	
619.3	LOUISVILLE	16-May-05		4,200	3,500	**EXCEEDS**
619.3	LOUISVILLE	19-May-05		266	220	
619.3	LOUISVILLE	24-May-05		750	640	**EXCEEDS**
			GEOMETRIC MEAN	464	280	**EXCEEDS**
594	LOUISVILLE	07-Jun-05		56	24	
594	LOUISVILLE	14-Jun-05		174	80	
594	LOUISVILLE	21-Jun-05		80	52	
594	LOUISVILLE	23-Jun-05		400	189	
594	LOUISVILLE	28-Jun-05		350	57	
			GEOMETRIC MEAN	161	64	
608.7	LOUISVILLE	07-Jun-05		2,100	260	**EXCEEDS**
608.7	LOUISVILLE	14-Jun-05		88	71	
608.7	LOUISVILLE	21-Jun-05		37	20	
608.7	LOUISVILLE	23-Jun-05		80	12	
608.7	LOUISVILLE	28-Jun-05		2,600	40	**EXCEEDS**
			GEOMETRIC MEAN	270	45	**EXCEEDS**
619.3	LOUISVILLE	07-Jun-05		4,200	591	**EXCEEDS**
619.3	LOUISVILLE	14-Jun-05		4,500	3,100	**EXCEEDS**
619.3	LOUISVILLE	21-Jun-05		157	112	
619.3	LOUISVILLE	23-Jun-05		52	50	
619.3	LOUISVILLE	28-Jun-05		237	6	
			GEOMETRIC MEAN	516	144	**EXCEEDS**
594	LOUISVILLE	06-Jul-05		8	16	
594	LOUISVILLE	12-Jul-05		200	14	
594	LOUISVILLE	19-Jul-05		69	16	
594	LOUISVILLE	21-Jul-05		66	44	
594	LOUISVILLE	26-Jul-05		140	112	
			GEOMETRIC MEAN	63	28	
608.7	LOUISVILLE	06-Jul-05		24	16	
608.7	LOUISVILLE	12-Jul-05		186	46	
608.7	LOUISVILLE	19-Jul-05		60	16	
608.7	LOUISVILLE	21-Jul-05		71	50	
608.7	LOUISVILLE	26-Jul-05		43	8	
			GEOMETRIC MEAN	61	22	
619.3	LOUISVILLE	06-Jul-05		186	169	
619.3	LOUISVILLE	12-Jul-05		200	68	
619.3	LOUISVILLE	19-Jul-05		194	124	
619.3	LOUISVILLE	21-Jul-05		184	71	
619.3	LOUISVILLE	26-Jul-05		192	60	
			GEOMETRIC MEAN	191	90	

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
594	LOUISVILLE	02-Aug-05		160	20	
594	LOUISVILLE	09-Aug-05		200	124	
594	LOUISVILLE	16-Aug-05		251	184	
594	LOUISVILLE	24-Aug-05		20	40	
594	LOUISVILLE	30-Aug-05		545	43	**EXCEEDS**
			GEOMETRIC MEAN	154	60	
608.7	LOUISVILLE	02-Aug-05		266	34	
608.7	LOUISVILLE	09-Aug-05		148	54	
608.7	LOUISVILLE	16-Aug-05		136	12	
608.7	LOUISVILLE	24-Aug-05		128	204	
608.7	LOUISVILLE	30-Aug-05		6,000	400	**EXCEEDS**
			GEOMETRIC MEAN	333	71	**EXCEEDS**
619.3	LOUISVILLE	02-Aug-05		500	309	**EXCEEDS**
619.3	LOUISVILLE	09-Aug-05		20	20	
619.3	LOUISVILLE	16-Aug-05		237	52	
619.3	LOUISVILLE	24-Aug-05		94	69	
619.3	LOUISVILLE	30-Aug-05		8,500	2,500	**EXCEEDS**
			GEOMETRIC MEAN	285	141	**EXCEEDS**
594	LOUISVILLE	07-Sep-05		500	280	**EXCEEDS**
594	LOUISVILLE	13-Sep-05		24	6	
594	LOUISVILLE	20-Sep-05		80	20	
594	LOUISVILLE	22-Sep-05		150	80	
594	LOUISVILLE	27-Sep-05		206	120	
			GEOMETRIC MEAN	124	50	
608.7	LOUISVILLE	07-Sep-05		330	40	
608.7	LOUISVILLE	13-Sep-05		140	128	
608.7	LOUISVILLE	20-Sep-05		157	49	
608.7	LOUISVILLE	22-Sep-05		290	154	
608.7	LOUISVILLE	27-Sep-05		3,000	2,800	**EXCEEDS**
			GEOMETRIC MEAN	363	161	**EXCEEDS**
619.3	LOUISVILLE	07-Sep-05		104	24	
619.3	LOUISVILLE	13-Sep-05		92	72	
619.3	LOUISVILLE	20-Sep-05		74	16	
619.3	LOUISVILLE	22-Sep-05		3,300	1,200	**EXCEEDS**
619.3	LOUISVILLE	27-Sep-05		736	300	**EXCEEDS**
			GEOMETRIC MEAN	280	100	**EXCEEDS**
594	LOUISVILLE	04-Oct-05		580	66	**EXCEEDS**
594	LOUISVILLE	11-Oct-05		108	29	
594	LOUISVILLE	18-Oct-05		4	4	
594	LOUISVILLE	20-Oct-05		12	4	
594	LOUISVILLE	25-Oct-05		16	4	
			GEOMETRIC MEAN	34	10	
608.7	LOUISVILLE	04-Oct-05		140	43	
608.7	LOUISVILLE	11-Oct-05		43	10	
608.7	LOUISVILLE	18-Oct-05		4	8	
608.7	LOUISVILLE	20-Oct-05		12	6	
608.7	LOUISVILLE	25-Oct-05		16	12	
			GEOMETRIC MEAN	22	12	
619.3	LOUISVILLE	04-Oct-05		140	80	
619.3	LOUISVILLE	11-Oct-05		80	11	
619.3	LOUISVILLE	18-Oct-05		116	148	
619.3	LOUISVILLE	25-Oct-05		370	197	

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
791.5	EVANSVILLE	03-May-05		410	350	**EXCEEDS**
791.5	EVANSVILLE	10-May-05		172	60	
791.5	EVANSVILLE	17-May-05		390	172	
791.5	EVANSVILLE	19-May-05		164	60	
791.5	EVANSVILLE	24-May-05		156	44	
			GEOMETRIC MEAN	234	99	**EXCEEDS**
793.7	EVANSVILLE	03-May-05		124	132	
793.7	EVANSVILLE	10-May-05		310	152	
793.7	EVANSVILLE	17-May-05		223	84	
793.7	EVANSVILLE	19-May-05		220	84	
793.7	EVANSVILLE	24-May-05		208	76	
			GEOMETRIC MEAN	208	101	**EXCEEDS**
797.3	EVANSVILLE	03-May-05		330	390	**EXCEEDS**
797.3	EVANSVILLE	10-May-05		580	370	**EXCEEDS**
797.3	EVANSVILLE	17-May-05		530	340	**EXCEEDS**
797.3	EVANSVILLE	19-May-05		350	104	
797.3	EVANSVILLE	24-May-05		380	197	
			GEOMETRIC MEAN	423	251	**EXCEEDS**
791.5	EVANSVILLE	07-Jun-05		214	92	
791.5	EVANSVILLE	14-Jun-05		290	164	
791.5	EVANSVILLE	21-Jun-05		240	112	
791.5	EVANSVILLE	23-Jun-05		310	180	
791.5	EVANSVILLE	28-Jun-05		460	300	**EXCEEDS**
			GEOMETRIC MEAN	292	156	**EXCEEDS**
793.7	EVANSVILLE	07-Jun-05		330	124	
793.7	EVANSVILLE	14-Jun-05		260	112	
793.7	EVANSVILLE	21-Jun-05		116	92	
793.7	EVANSVILLE	23-Jun-05		3,600	1,300	**EXCEEDS**
793.7	EVANSVILLE	28-Jun-05		440	280	**EXCEEDS**
			GEOMETRIC MEAN	436	216	**EXCEEDS**
797.3	EVANSVILLE	07-Jun-05		164	92	
797.3	EVANSVILLE	14-Jun-05		840	560	**EXCEEDS**
797.3	EVANSVILLE	21-Jun-05		410	260	**EXCEEDS**
797.3	EVANSVILLE	23-Jun-05		2,200	560	**EXCEEDS**
797.3	EVANSVILLE	28-Jun-05		350	112	
			GEOMETRIC MEAN	534	243	**EXCEEDS**
791.5	EVANSVILLE	05-Jul-05		990	645	**EXCEEDS**
791.5	EVANSVILLE	12-Jul-05		300	152	
791.5	EVANSVILLE	19-Jul-05		330	196	
791.5	EVANSVILLE	21-Jul-05		176	88	
791.5	EVANSVILLE	26-Jul-05		350	96	
			GEOMETRIC MEAN	360	175	**EXCEEDS**
793.7	EVANSVILLE	05-Jul-05		745	600	**EXCEEDS**
793.7	EVANSVILLE	12-Jul-05		280	92	
793.7	EVANSVILLE	19-Jul-05		229	100	
793.7	EVANSVILLE	21-Jul-05		168	69	
793.7	EVANSVILLE	26-Jul-05		204	152	
			GEOMETRIC MEAN	277	142	**EXCEEDS**
797.3	EVANSVILLE	05-Jul-05		1,100	900	**EXCEEDS**
797.3	EVANSVILLE	12-Jul-05		520	290	**EXCEEDS**
797.3	EVANSVILLE	19-Jul-05		520	370	**EXCEEDS**
797.3	EVANSVILLE	21-Jul-05		711	230	**EXCEEDS**
797.3	EVANSVILLE	26-Jul-05		2,500	611	**EXCEEDS**
			GEOMETRIC MEAN	880	423	**EXCEEDS**

Appendix F: Contact Recreation Program Bacteria Data (2004-2005) Criteria Violations

MILE POINT	STATION	DATE		FECAL COLIFORM #/100mL	*E. COLI* #/100mL	
791.5	EVANSVILLE	02-Aug-05		2,200	410	**EXCEEDS**
791.5	EVANSVILLE	09-Aug-05		280	160	
791.5	EVANSVILLE	16-Aug-05		280	172	
791.5	EVANSVILLE	23-Aug-05		2,300	845	**EXCEEDS**
791.5	EVANSVILLE	30-Aug-05		3,800	2,500	**EXCEEDS**
			GEOMETRIC MEAN	1,086	474	**EXCEEDS**
793.7	EVANSVILLE	02-Aug-05		590	280	**EXCEEDS**
793.7	EVANSVILLE	09-Aug-05		460	231	**EXCEEDS**
793.7	EVANSVILLE	16-Aug-05		370	176	
793.7	EVANSVILLE	23-Aug-05		744	390	**EXCEEDS**
793.7	EVANSVILLE	30-Aug-05		2,200	845	**EXCEEDS**
			GEOMETRIC MEAN	697	327	**EXCEEDS**
797.3	EVANSVILLE	02-Aug-05		3,700	2,200	**EXCEEDS**
797.3	EVANSVILLE	02-Aug-05		2,200	520	**EXCEEDS**
797.3	EVANSVILLE	16-Aug-05		480	290	**EXCEEDS**
797.3	EVANSVILLE	23-Aug-05		3,100	656	**EXCEEDS**
797.3	EVANSVILLE	30-Aug-05		5,700	2,400	**EXCEEDS**
			GEOMETRIC MEAN	2,332	878	**EXCEEDS**
791.5	EVANSVILLE	06-Sep-05		647	310	**EXCEEDS**
791.5	EVANSVILLE	13-Sep-05		410	232	**EXCEEDS**
791.5	EVANSVILLE	20-Sep-05		380	92	
791.5	EVANSVILLE	22-Sep-05		229	54	
791.5	EVANSVILLE	27-Sep-05		168	104	
			GEOMETRIC MEAN	329	130	**EXCEEDS**
793.7	EVANSVILLE	06-Sep-05		3,100	747	**EXCEEDS**
793.7	EVANSVILLE	13-Sep-05		3,300	873	**EXCEEDS**
793.7	EVANSVILLE	20-Sep-05		136	44	
793.7	EVANSVILLE	22-Sep-05		208	140	
793.7	EVANSVILLE	27-Sep-05		194	46	
			GEOMETRIC MEAN	562	179	**EXCEEDS**
797.3	EVANSVILLE	06-Sep-05		4,800	1,264	**EXCEEDS**
797.3	EVANSVILLE	13-Sep-05		744	186	**EXCEEDS**
797.3	EVANSVILLE	20-Sep-05		840	186	**EXCEEDS**
797.3	EVANSVILLE	22-Sep-05		619	144	**EXCEEDS**
797.3	EVANSVILLE	27-Sep-05		1,282	755	**EXCEEDS**
			GEOMETRIC MEAN	1,189	343	**EXCEEDS**
791.5	EVANSVILLE	04-Oct-05		330	124	
791.5	EVANSVILLE	11-Oct-05		144	57	
791.5	EVANSVILLE	18-Oct-05		420	160	**EXCEEDS**
791.5	EVANSVILLE	20-Oct-05		152	57	
791.5	EVANSVILLE	25-Oct-05		203	92	
			GEOMETRIC MEAN	228	90	**EXCEEDS**
793.7	EVANSVILLE	04-Oct-05		420	226	**EXCEEDS**
793.7	EVANSVILLE	11-Oct-05		310	120	
793.7	EVANSVILLE	18-Oct-05		580	320	**EXCEEDS**
793.7	EVANSVILLE	20-Oct-05		280	100	
793.7	EVANSVILLE	25-Oct-05		92	32	
			GEOMETRIC MEAN	287	123	**EXCEEDS**
797.3	EVANSVILLE	04-Oct-05		480	290	**EXCEEDS**
797.3	EVANSVILLE	11-Oct-05		490	136	**EXCEEDS**
797.3	EVANSVILLE	18-Oct-05		310	168	
797.3	EVANSVILLE	20-Oct-05		420	186	**EXCEEDS**
797.3	EVANSVILLE	25-Oct-05		152	84	
			GEOMETRIC MEAN	342	160	**EXCEEDS**

FECAL- Not to exceed 400 in more than 10% of samples taken during month
Not to exceed 200 as a monthly geometric mean (at least 5 samples required)
E. COLI- Not to exceed 240 in any single sample
Not to exceed 130 as a monthly geometric mean (at least 5 samples required)

EXCEEDS- Value exceeds Commission criteria

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 1: River Miles: 1.5 - 275.2					Round 1: River Miles: 280.8 - 628.1					Round 1: River Miles: 630.0 - 979.2				
Mile Point	WK1 LDB	WK2 LDB	WK3 LDB	WK4 LDB	WK5 LDB	WK1 MID	WK2 MID	WK3 MID	WK4 MID	WK5 MID	WK1 RDB	WK2 RDB	WK3 RDB	WK4 RDB	WK5 RDB
1.5	**400**	178	**750**	191	24	**320**	238	**820**	119	25	**710**	**267**	**790**	152	24
3.3	**430**	**285**	**960**	185	22	**370**	235	**750**	144	19	**400**	**445**	**1330**	162	26
6.4	**270**	222	**1110**	108	172	**340**	**432**	**960**	185	148	**370**	**421**	**1040**	139	194
9.5	**690**	**335**	**800**	**242**	3	173	**450**	**960**	172	21	**720**	**490**	**1010**	146	16
11.4	**370**	**386**	**540**	228	12	218	**345**	**820**	125	10	**670**	**380**	**880**	99	9
12.5	**490**	**378**	**620**	194	5	**264**	**309**	**930**	173	12	**810**	**386**	**990**	147	8
14.4	**890**	**435**	**645**	192	14	200	**357**	**720**	143	15	**440**	**740**	**500**	238	11
17.7	**610**	**502**	**459**	99	3	**410**	**450**	**760**	93	5	**630**	**930**	**480**	89	12
20.5	**990**	**770**	**535**	98	3	**680**	**700**	**635**	111	6	**660**	**1040**	**770**	114	26
20.8	**1220**	**1110**	**465**	93	6	**1300**	**750**	**504**	98	7	109	**750**	**580**	199	6
21.8	**1190**	**1260**	**380**	46	2	**640**	**960**	**496**	105	5	**1190**	**990**	**500**	115	2
22.9	**1220**	**1350**	**1350**	108	6	**1210**	**1080**	**565**	80	5	**880**	**606**	**469**	228	4
25.5	240	**1150**	**599**	50	14	200	**770**	**410**	73	7	173	**647**	**479**	82	4
25.8	170	193	**561**	67	10	**1190**	**379**	**385**	78	14	**1660**	**1300**	**520**	87	24
26.4	200	**365**	**526**	96	11	200	**276**	**518**	93	14	**1470**	**521**	**540**	131	14
28.3	**264**	223	214	70	14	**350**	**324**	**383**	89	11	**1560**	**600**	**504**	86	12
32.9	**255**	**450**	**419**	74	5	**560**	**512**	**580**	80	8	**1920**	**395**	**511**	75	8
37.6	**420**	**486**	**455**	51	6	**700**	**547**	**299**	53	5	**1300**	**620**	**328**	47	
41.2	**440**	**518**	**260**	64	10	**580**	**500**	**337**	50	5	**910**	**526**	**288**	47	5
44.8	**1020**	**529**	**248**	28	7	**1050**	**540**	**253**	73	11	**1470**	**580**	**244**	68	6
48.7	**1790**	**448**	214	33	5	**1080**	**605**	**325**	34	9	**680**	**562**	192	53	13
52.5	**530**	**534**	**285**	34	9	**720**	**493**	**248**	28	7	**650**	**368**	240	22	3
56.4	**930**	**630**	**533**	33	9	**1330**	**640**	**253**	29	6	**1020**	**572**	**294**	38	6
60.3	**1240**	**660**	**341**	28	7	**810**	**534**	**408**	29	8	**880**	**399**	**386**	19	7
66.4	**1173**	**660**	**385**	70	50	**860**	**505**	**296**	34	34	**1970**	**534**	**247**	32	**320**
66.9	**1370**	**670**	**566**	74	33	**1350**	**430**	**278**	25	28	**1550**	**559**	**295**	26	21
70.7	**1350**	**437**	**260**	42	24	**1682**	**495**	**422**	35	23	**1670**	**445**	234	29	13
71.8	**1660**	**417**	**425**	46	8	**1500**	**328**	**406**	26	24	**1700**	**381**	**405**	45	30
74.9	**1150**	**326**	201	41	6	**3080**	**266**	158	17	5	**2280**	**264**	238	12	12
80.2	**1110**	192	**276**	21	4	**2190**	**492**	210	15	5	**1790**	**345**	**243**	24	3
85.6	**630**	167	152	24	12	**340**	**249**	167	28	10	**560**	**262**	126	26	9
91.2	**575**	**274**	118	21	221	**480**	236	**330**	27	6	**655**	150	162	52	**1080**
94.2	**630**	**249**	162	21	**498**	**558**	208	153	30	**402**	**750**	**291**	166	70	**1609**
97.8	**585**	166	139	29	**910**	**385**	178	128	34	148	**583**	155	147	118	**1550**
102.6	**466**	172	135	21	**515**	**461**	147	132	38	173	**580**	**276**	172	35	102
107.7	**1020**	147	114	34	155	**655**	112	162	32	55	**641**	150	115	22	40
113.0	**545**	126	91	20	12	**910**	114	140	13	5	**648**	152	67	34	7
118.3	**327**	93	142	20	6	**519**	68	93	10	3	**568**	114	104	16	4
123.7	**408**	68	73	20	8	**590**	99	93	19	9	**830**	112	86	26	2
124.9	**295**	84	86	28	5	**367**	91	99	13	5	**582**	102	93	5	2
129.1	**555**	105	99	17	15	**610**	90	131	19	8	**447**	89	102	21	10
133.4	**365**	26	127	51	42	**487**	69	96	26	7	**435**	131	86	24	18
138.7	**326**	111	91	147	25	235	77	58	25	17	**285**	47	36	22	17
144.2	**447**	86	93	19	12	**345**	82	63	10	8	**309**	56	43	8	6
149.6	**344**	73	46	10	1	**244**	108	51	7	3	218	120	88	8	13
155.0	**342**	93	53	16	7	233	105	52	19	2	**269**	86	50	12	2

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 1: River Miles: 1.5 - 275.2					Round 1: River Miles: 280.8 - 628.1					Round 1: River Miles: 630.0 - 979.2				
Mile Point	WK1 LDB	WK2 LDB	WK3 LDB	WK4 LDB	WK5 LDB	WK1 MID	WK2 MID	WK3 MID	WK4 MID	WK5 MID	WK1 RDB	WK2 RDB	WK3 RDB	WK4 RDB	WK5 RDB
160.4	205	91	66	25	7	169	114	135	31	15	238	102	58	17	13
165.8	**337**	179	108	25	95	**365**	119	101	26	5	205	115	79	24	13
171.2	**291**	148	111	17	20	178	148	96	14	20	**308**	144	127	31	**<10**
175.1	144	167	122	17	**<10**	**250**	178	105	16	30	194	**306**	172	58	55
179.4	179	113	75	18	36	140	**261**	98	18	**300**	**249**	**522**	**281**	42	200
183.5	167	**260**	210	13	**500**	172	172	69	21	100	170	**619**	79	34	**<100**
185.9	236	142	40	45	68	178	125	96	34	38	127	135	96	52	93
190.8	184	105	99	38	44	156	142	84	29	30	156	127	89	26	21
195.7		113	80	33	18	60	102	69	28	18	179	184	33	13	12
200.7	69	115	70	23	8	88	107	114	23	12	91	122	79	19	7
205.7	231	117	118	19	7	140	163	91	25	6	121	147	138	16	6
210.7	121	148	76	17	5	144	140	166	12	8	104	153	56	16	6
215.7	115	141	75	6	10	135	128	117	20	6	98	167	99	15	6
220.4	138	161	108	23	3	108	161	99	21	7	96	127	86	9	6
225.4	114	124	101	14	7	86	126	70	14	4	84	116	86	8	4
230.4	90	126	73	11	6	53	114	58	8	5	59	114	47	8	7
235.6	82	75	47	13	6	62	71	58	13	3	56	166	38	8	6
240.4	118	225	53	13	6	105	172	33	16	3	156	185	70	**<10**	11
245.4	72	138	79	12	7	114	220	108	17	10	105	128	93	15	10
250.4	93	150	86	11	12	102	199	91	22	19	**1420**	140	146	16	13
255.5	78	132	79	10	14	107	173	102	22	8	154	238	116	23	26
260.6	15	133	73	24	8	88	138	93	15	13	109	179	127	21	15
265.7	140	155	56	17	46	91	238	39	19	12	68	172	39	9	15
269.8	**249**	115	46	15	93	79	118	78	50	15	231	124	111	73	46
275.2	77	155	42	16	49	83	206	78	21	16	178	135	50	17	21
280.8	101	25	6	60	74	89	18	14	79	83	70	17	14	61	115
285.9	93	28	11	66	61	99	18	14	66	34	64	25	14	56	156
291.4	162	15	8	68	114	111	16	19	68	24	98	19	7	44	118
296.6	153	26	6	75	24	118	24	5	50	12	120	32	10	70	91
302.0	162	19	4	35	**1020**	153	26	6	79	15	91	31	6	65	83
307.7	**336**	**244**	24	118	**560**	162	23	7	82	11	96	24	5	78	84
313.3	**452**	52	27	84	**1310**	85	30	5	93	29	111	21	30	82	**256**
317.2	**503**	57	20	137	**1470**	105	30	11	122	79	114	37	24	75	72
321.5	**378**	33	8	47	**1250**	184	27	17	83	196	108	51	19	69	56
327.4	168	41	7	49	**375**	96	25	5	105	**285**	105	17	13	51	99
327.7	**305**	67	7	70	**2220**	120	32	12	64	**397**	80	17	10	58	109
328.0	**304**	69	9	73	**1470**	132	35	8	53	227	74	54	68	56	214
332.5	196	24	16	42	**547**	210	35	13	59	126	88	23	5	43	220
338.1	**276**	39	14	36	**446**	135	18	15	51	108	89	19	5	44	119
343.5	102	24	8	81	**424**	111	22	15	67	213	126	29	1	41	128
349.2	131	30	12	52	**325**	125	28	11	55	210	138	45	29	35	**642**
352.0	186	28	55	54	**252**	102	32	6	75	**264**	152	52	10	62	**315**
353.8	118	36	12	60	236	91	29	6	68	163	96	38	12	66	**402**
359.3	130	26	9	47	190	**242**	55	29	56	**469**	**530**	57	32	77	**358**
364.6	84	32	1	43	131	98	40	17	60	140	**429**	53	24	76	**294**
369.8	179	24	4	37	130	**337**	37	12	50	130	**473**	37	21	57	**265**
375.0	133	26	5	50	101	**363**	40	10	74	129	**640**	43	11	39	201

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 1: River Miles: 1.5 - 275.2					Round 1: River Miles: 280.8 - 628.1					Round 1: River Miles: 630.0 - 979.2				
Mile Point	WK1 LDB	WK2 LDB	WK3 LDB	WK4 LDB	WK5 LDB	WK1 MID	WK2 MID	WK3 MID	WK4 MID	WK5 MID	WK1 RDB	WK2 RDB	WK3 RDB	WK4 RDB	WK5 RDB
380.4	205	34	15	60	64	**406**	27	17	73	201	**575**	21	11	58	236
385.4	**345**	20	7	36	111	**638**	35	7	53	223	**420**	19	4	60	**356**
390.6	172	47	8	27	89	**429**	29	6	25	112	**485**	26	12	40	156
395.0	**449**	30	8	47	196	**387**	28	5	34	132	**269**	28	10	51	201
400.4	131	28	1	23	112	199	15	9	49	139	**249**	26	8	36	112
405.8	190	24	7	25	135	**244**	26	10	31	114	**365**	23	16	26	96
411.4	75	29	23	36	50	133	27	7	20	69	186	33	8	16	38
416.4	166	27	6	19	13	96	28	12	17	30	93	20	5	26	15
421.6	145	17	10	34	19	115	12	5	25	23	91	11	4	23	15
426.4	125	11	11	30	33	126	7	8	25	23	192	93	5	15	30
431.4	140	11	5	31	43	102	24	5	16	14	105	12	5	28	17
436.8	127	15	9	24	35	141	15	13	32	12	49	13	18	17	21
441.5	105	18	7	34	26	138	15	7	25	26	72	15	8	25	22
446.5	147	26	7	22	37	96	15	3	25	25	89	19	7	17	18
451.6	156	14	30	22	34	135	14	26	16	29	102	20	13	15	23
455.3	105	15	78	27	28	54	26	17	28	35	84	10	46	22	25
460.0	102	16	24	32	16	88	23	5	19	36	79	14	24	26	14
465.0	105	17	60	28	28	93	16	**245**	13	14	101	15	**277**	26	39
468.7	73	9	**830**	24	29	91	19	**800**	24	16	147	30	**910**	29	58
472.7	61	24	**1150**	21	118	73	26	**577**	20	**630**	81	12	**620**	25	82
477.6	96	20	**2910**	19	200	76	16	**2490**	30	40	80	17	**1660**	59	145
482.2	75	22	**8660**	20	127	60	15	**2490**	38	64	101	33	**7700**	38	**260**
486.2	68	11	**4880**	20	209	89	20	**15530**	29	120	132	51	**15530**	76	227
489.7	105	16	**475**	24	36	99	36	**760**	45	127	190	58	**810**	84	70
493.2	108	21	**880**		50	144	30	**780**		86	199	76	**1040**		225
498.0	125	14	**1080**	42	105	232	25	**960**	40	179	226	93	**610**	93	214
503.1	93	12	34	59	162	91	37	68	26	214	132	37	26	41	169
508.3	79	11	40	23	181	119	10	47	28	190	96	33	69	50	112
513.4	79	28	41	32	156	50	26	26	36	199	59	40	29	35	126
518.5	50	17	9	28	148	75	25	22	30	150	68	17	12	32	**260**
523.4	57	11	5	26	**356**	46	13	7	28	**318**	68	26	15	29	**435**
528.4	53	12	8	16	**451**	44	7	13	15	**354**	116	8	13	26	**334**
533.2	55	14	10	13	**561**	101	20	4	28	**418**	90	24	8	19	**436**
538.5	88	20	10	24	**510**	96	27	11	24	**333**	93	22	12	19	**477**
543.5	84	15	13	12	214	99	17	9	24	142	74	15	20	11	166
548.3	96	41	68	15	194	66	20	6	15	110	101	33	24	8	213
553.6	101	14	42	15	197	84	18	8	6	210	122	21	46	24	228
558.8	99	14	19	14	**276**	72	17	7	10	**261**	64	15	194	36	171
562.7	80	16	19	10	**249**	84	23	7	8	220	88	20	63	15	**265**
567.6	108	17	12	10	150	86	17	26	8	222	60	12	40	15	166
572.5	86	9	16	11	105	81	23	23	12	201	64	12	33	5	167
577.4	102	11	12	11	86	91	11	23	12	148	71	12	37	10	155
582.9	75	11	24	8	31	88	18	12	17	140	91	13	22	14	66
587.8	68	3	26	12	18	79	8	15	11	58	48	6	29	7	46
592.2	81	5	14	13	23	86	11	19	13	55	63	6	40	14	20
597.1	79	11	68	11	8	86	8	61	9	17	62	13	15	5	6
602.2	75	12	12	9	7	70	50	11	7	16	54	9	12	11	20

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 1: River Miles: 1.5 - 275.2					Round 1: River Miles: 280.8 - 628.1					Round 1: River Miles: 630.0 - 979.2				
Mile Point	WK1 LDB	WK2 LDB	WK3 LDB	WK4 LDB	WK5 LDB	WK1 MID	WK2 MID	WK3 MID	WK4 MID	WK5 MID	WK1 RDB	WK2 RDB	WK3 RDB	WK4 RDB	WK5 RDB
604.3	86	58	11	9	14	72	5	7	5	12	108	12	14	13	15
607.5	165	203	**422**	18	25	138	14	39	14	19	125	24	14	15	17
609.7	119	119	**250**	26	20	133	31	162	12	12	98	15	15	14	15
612.2	140	101	76	11	12	100	19	11	8	18	60	15	15	17	16
617.6	136	161	**1420**	20	**350**	136	31	20	14	12	110	24	24	15	16
623.1	200	185	**1860**	19	**624**	100	33	35	17	15	110	11	30	12	20
628.1	192	**447**	**1010**	24	89	93	43	22	15	28	108	7	34	7	15
630.0	**1110**	63	**2280**	138	**516**	**790**	22	24	105	**272**	**561**	36	15	111	162
631.6	**3650**	54	**1920**	68	**511**	**630**	27	22	104	167	**628**	31	10	184	**260**
637.6	**1440**	40	75	79	**423**	**1140**	58	57	178	**425**	**525**	20	**570**	86	**317**
643.1	**1020**	38	**412**	73	**345**	**1010**	42	**406**	108	**450**	**780**	24	**640**	74	**387**
648.9	**1200**	47	**539**	91	**282**	**1140**	22	**690**	104	**355**	**780**	28	**603**	125	**291**
654.0	**1220**	39	**790**	127	161	**930**	35	**510**	96	**317**	**790**	33	**900**	81	**329**
659.2	**1190**	22	**720**	114	**323**	**990**	34	**921**	73	**322**	**990**	26	**1310**	93	142
664.2	**1120**	60	**459**	228	**548**	**820**	27	**601**	84	**332**	**2010**	37	**530**	78	**273**
669.1	**1090**	38	**346**	100	**392**	**780**	25	**495**	75	**442**	**1370**	26	**428**	70	**533**
674.5	**1120**	23	**247**	86	**285**	**960**	21	**341**	133	**304**	**930**	25	198	91	231
680.4	**1220**	36	**305**	114	**252**	**1440**	22	216	82	**375**	**790**	16	**276**	72	**365**
685.6	**866**	23	**252**	98	**341**	**1120**	19	233	82	**388**	**910**	15	194	101	**288**
690.7	**990**	26	**248**	74	**311**	**1130**	26	**337**	133	**325**	**990**	19	**261**	117	**291**
695.6	**720**	18	185	80	**472**	**580**	20	166	117	**384**	**561**	13	238	64	**424**
700.9	**780**	23	**260**	100	**505**	**780**	28	127	88	**414**	**652**	16	179	58	**554**
706.2	**690**	20	192	70	**413**	**630**	10	**248**	50	**700**	**652**	25	93	48	**727**
711.5	**537**	27	61	24	**440**	**548**	15	60	40	**575**	**490**	11	41	25	**370**
717.4	**500**	20	42	34	**410**	**620**	22	59	58	**710**	**577**	16	38	43	**572**
721.5	**682**	19	120	**1020**	**274**	**840**	18	108	**1170**	201	**910**	18	84	**710**	199
727.0	**760**	20	71	**524**	**420**	**622**	17	91	**730**	**268**	**830**	15	86	**590**	**275**
732.5	**800**	18	48	**303**	**396**	**580**	12	50	**481**	**328**	**658**	113	166	**249**	**590**
738.8	**780**	27	105	205	**346**	**615**	28	50	196	**306**	**710**	117	95	236	**440**
742.4	**680**	18	70	**337**	**573**	**750**	24	38	152	**341**	**480**	91	**313**	202	**498**
746.4	**670**	16	81	**445**	**525**	**573**	14	72	185	**506**	**614**	46	144	144	**336**
750.6	**680**	11	101	**314**	**353**	**690**	22	45	125	**605**	**730**	50	147	131	**485**
754.8	**560**	22	116	104	**370**	**730**	27	91	162	**514**	**710**	49	99	204	**361**
758.0	**860**	17	104	108	**630**	**480**	23	70	119	**370**	**910**	22	167	233	**349**
763.2	**770**	10	81	170	**433**	**840**	15	67	93	**434**	**677**	19	172	185	**365**
769.1	**661**	15	117	115	**620**	**1070**	19	101	91	**414**	**680**	38	93	101	**507**
773.6	**820**	20	104	151	**482**	**830**	20	96	77	**388**	**1140**	12	201	135	**372**
778.2	**600**	16	120	130	**327**	**840**	19	105	77	**353**	**1080**	33	93	98	225
782.8	**700**	19	108	144	**283**	**545**	17	105	111	**331**	**650**	28	91	83	**326**
787.0	**780**	30	48	132	185	**680**	15	76	91	**305**	**612**	27	96	99	**260**
792.7	**590**	36	156	118	214	**437**	20	192	64	**391**	**700**	32	123	52	172
794.2	**605**	52	147	158	198	**539**	16	201	82	**245**	**540**	116	141	42	**328**
800.0	**580**	22	192	71	**310**	**580**	22	140	133	**460**	**660**	46	155	82	**250**
805.8	**501**	24	102	79	234	**491**	30	162	70	**481**	**475**	49	126	86	**528**
811.3	**431**	99	**375**	199	**275**	**547**	35	228	65	**327**	**575**	41	135	88	225
817.0	**461**	133	220	**299**	231	**623**	41	101	**597**	**269**	**352**	28	61	**1350**	**517**
823.2	**385**	**378**	**295**	**427**	**318**	**529**	102	240	**441**	**398**	**553**	24	31	**980**	**272**

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 1: River Miles: 1.5 - 275.2					Round 1: River Miles: 280.8 - 628.1					Round 1: River Miles: 630.0 - 979.2				
Mile Point	WK1 LDB	WK2 LDB	WK3 LDB	WK4 LDB	WK5 LDB	WK1 MID	WK2 MID	WK3 MID	WK4 MID	WK5 MID	WK1 RDB	WK2 RDB	WK3 RDB	WK4 RDB	WK5 RDB
829.5	**340**	127	228	**585**	**295**	**330**	120	214	**308**	**299**	**365**	35	58	**294**	154
832.2	**346**	56	185	**575**	201	**399**	41	162	206	228	**494**	28	76	132	201
837.2	**372**	39	79	**383**	**339**	**540**	31	98	**248**	222	**287**	18	52	228	133
842.3	**580**	61	43	**2360**	88	**503**	15	66	240	217	**423**	21	67	150	229
846.5	**600**	30	82	91	196	**567**	17	82	172	**265**	**321**	36	53	228	113
851.3	**585**	52	60	132	120	**423**	34	56	172	219	225	49	32	186	135
855.5	**476**	42	68	**345**	173	**350**	37	79	126	167	219	30	52	178	152
859.7	**495**	51	55	229	179	**540**	40	96	108	161	**345**	19	42	172	121
864.4	**352**	36	46	**285**	170	**383**	29	57	131	91	200	38	36	**244**	161
869.8	**530**	28	73	**1940**	133	**358**	26	49	152	185	**283**	20	24	119	102
875.7	**360**	28	47	147	135	**295**	16	47	101	101	**275**	15	28	127	82
880.7	**263**	20	52	**533**	124	**359**	10	28	39	98	201	10	13	111	72
885.0	220	10	38	122	131	**308**	17	38	57	124	172	22	25	145	80
889.2	**357**	11	35	20	120	238	12	29	53	86	233	15	17	60	91
891.7	**255**	7	26	57	140	144	12	25	34	121	190	20	16	52	74
897.5	172	17	26	**596**	**270**	**249**	6	43	**572**	170	166	9	10	**281**	140
903.2	172	13	17	**670**	**303**	**241**	9	17	**631**	**249**	126	10	13	**441**	114
908.0	222	12	17	**600**	185	196	6	13	**401**	210	**387**	9	12	**249**	93
912.6	131	13	5	203	98	158	5	18	**274**	114	116	6	8	228	91
917.6	238	12	14	**256**	133	214	8	16	**381**	122	167	7	5	**333**	75
923.4	137	11	5	129	135	167	12	10	**403**	75	**291**	10	17	**261**	91
928.2	70	6	7	107	102	**261**	10	15	238	113	111	9	15	86	74
932.2	102	9	10	93	74	160	12	10	75	79	96	7	9	99	52
936.2	47	20		64	104	150	3	5	73	15	88	11	23	48	53
937.7	96	10	7	118	41	130	4	4	74	65	142	12	14	38	70
940.9	68	12	11	93	33	108	6	11	54	53	84	6	28	75	55
944.2	45	20	7	96	26	91	5	6	34	53	111	11	13	121	36
947.5	83	8	13	**328**	33	118	5	9	59	70	99	16	6	53	43
952.2	66	25	3	**377**	96	58	10	9	70	44	82	6	15	44	57
957.7	41	38	8	**524**	56	77	9	9	40	48	81	19	19	132	35
963.0	68	8	7	60	40	77	13	6	44	50	75	12	32	**305**	56
969.2	30	5	3	**273**	47	55	8	7	112	71	74	25		191	41
974.1	39	6	14	166	40	64	4	6	64	40	62	20	24	**299**	50
979.2	66	17	8	47	51	65	4	12	31	36	72	**309**	11	112	44

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 2: River Miles: 1.5 - 275.2					Round 2: River Miles: 280.8 - 628.1					Round 2: River Miles: 630.0 - 979.2				
Mile Point	WK6 LDB	WK 7 LDB	WK8 LDB	WK9 LDB	WK10 LDB	WK6 MID	WK7 MID	WK8 MID	WK9 MID	WK10 MID	WK6 RDB	WK7 RDB	WK8 RDB	WK9 RDB	WK10 RDB
1.5	**8160**	**387**	206	137	**1190**	**12030**	188	145	147	**539**	**4880**	**326**	158	158	**698**
3.3	**6490**	186	140	172	**720**	**7700**	138	172	180	**580**	**2380**	**242**	158	59	**960**
6.4	**470**	214	78	89	**1090**	**680**	197	178	190	**710**	**1140**	156	114	110	**1480**
9.5	**6300**	**247**	132	**281**	**1080**	**2360**	148	72	60	**1080**	**3450**	**425**	35	60	**1660**
11.4	**2600**	197	**421**	**365**	**640**	**273**	186	135	161	**880**	**497**	215	66	53	**670**
12.5	**1280**	**344**	96	69	**820**	**534**	119	93	69	**780**	**2060**	**294**	87	20	**560**
14.4	**2760**	230	152	141	**600**	**1310**	**250**	124	65	**1020**	**1720**	233	77	39	**1010**
17.7	**2250**	221	114	55	**750**	**2600**	201	96	82	**670**	**2720**	**493**	93	36	**880**
20.5	**1370**	**325**	89	34	**830**	**608**	**259**	98	64	**1310**	**2380**	**572**	180	**500**	**930**
20.8	**1560**	238	30	46	**810**	**523**	172	78	46	**910**	**1780**	**339**	198	93	**1330**
21.8	**1973**	195	50	27	**690**	**477**	214	75	38	**540**	**2720**	**410**	84	34	**1180**
22.9	**1850**	**520**	48	**269**	**1290**	**960**	**346**	118	46	**1660**	**1780**	**561**	169	18	**1350**
25.5	**1010**	178	101	26	**466**	**1530**	173	82	23	**602**	**1530**	**455**	99	13	**1040**
25.8	**1120**	122	115	28	**539**	**1290**	201	67	17	**640**	**1410**	**332**	122	20	**800**
26.4	**930**	132	88	15	**425**	**1370**	204	88	19	**480**	**3040**	**261**	99	20	**700**
28.3	**470**	130	73	17	**450**	**930**	**248**	82	15	**445**	**1790**	227	56	12	**388**
32.9	**620**	143	62	13	**485**	**770**	167	50	12	**458**	**930**	210	49	11	**505**
37.6	**444**	107	15	8	**422**	**614**	219	32	8	**423**	**930**	107	35	8	**465**
41.2	**481**	118	33	10	**502**	**515**	119	26	8	**386**	**630**	107	28	10	**425**
44.8	**480**	150	41	6	**400**	**639**	147	31	11	**295**	**514**	201	38	30	**313**
48.7	**260**	186	37	5	**290**	**345**	156	48	13	**320**	**255**	127	20	3	**450**
52.5	150	108	32	4	179	167		38	10	173	**320**		19	6	222
56.4	133		31	23	225	144	201	24	5	**275**	137	105	24	5	152
60.3	**357**	99	28	5	205	161	162	22	10	190	**279**	192	49	7	190
66.4	**318**	205	38	34	**298**	228	125	35	20	209	166	143	48	21	150
66.9	**437**	228	63	26	237	167	135		17	**304**	130	117	70	25	145
70.7	**246**	**730**	142	14	150	173	124	51	20	115	231	179	53	26	238
71.8	**429**	**305**	**552**	18	147	158	206	**422**	28	172	192	198	47	26	113
74.9	222	153	120	13	80	144	93	25	8	120	**608**	175	25	12	153
80.2	**432**	185	32	6	98	**247**	219	55	5	86	178	162	24	7	133
85.6	178	140	19	7	108	219	153	25	7	54	166	147	12	4	64
91.2	**256**	86	**254**	10	68	206	84	11	10	78	153	96	**860**	24	**260**
94.2	184	99	82	5	101	180	101	210	7	61	**304**	67	**272**	20	143
97.8	222	121	**590**	93	127	125	105	**331**	21	83	138	127	**602**	19	84
102.6	**354**	96	150	16	98	96	119	75	9	84	152	118	96	21	78
107.7	129	137	10	7	72	202	116	12	6	96	219	82	19	10	64
113.0	236	144	47	8	122	236	108	13	10	63	236	116	13	5	57
118.3	137	72	12	5	47	236	121	9	7	93	225	99	4	6	56
123.7	133	75	12	2	46	137	111	9	4	64	166	96	4	3	74
124.9	128	80	10	5	65	135	105	7	3	62	121	80	4	3	55
129.1	123	99	**277**	8	64	112	104	26	5	48	117	88	41	6	52
133.4	119	65	147	6	131	74	65	75	6	51	117	72	101	6	24
138.7	123	84	124	**614**	231	91	75	11	3	50	80	86	8	14	30
144.2	96	73	22	12	58	101	50	20	7	26	114	54	3	6	32
149.6	91	38	6	14	28	88	52	4	6	23	62	57	7	2	79
155.0	47	40	3	3	120	89	48	3	3	21	51	46	1	5	29

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 2: River Miles: 1.5 - 275.2					Round 2: River Miles: 280.8 - 628.1					Round 2: River Miles: 630.0 - 979.2				
Mile Point	WK6 LDB	WK 7 LDB	WK8 LDB	WK9 LDB	WK10 LDB	WK6 MID	WK7 MID	WK8 MID	WK9 MID	WK10 MID	WK6 RDB	WK7 RDB	WK8 RDB	WK9 RDB	WK10 RDB
160.4	25	41	26	5	35	35	72	20	3	32	23	53	19	11	63
165.8	29	44	25	2	56	17	63	7	3	59	15	49	6	2	31
171.2	10	21	14	**<1**	53	15	50	17	3	71	15	30	9	3	60
175.1	17	24	11	4	93	20	60	6	5	119	21	65	12	1	59
179.4	15	16	8	1	62	18	34	5	6	64	26	56	15	5	93
183.5	26	24	11	3	77	36	26	5	5	69	11	44	16	5	91
185.9	32	21	38	7	40	30	27	21	6	61	14	37	19	5	60
190.8	18	20	20	5	61	15	40	19	5	50	17	26	19	3	56
195.7	17	14	30	1	70	11	22	20	10	74	7	28	15	2	55
200.7	17	20	35	**<1**	48	16	27	38	2	50	10	31	34	4	34
205.7	24	20	17	10	56	24	21	23	2	42	11	21	17	4	38
210.7	15	17	8	**<1**	45	10	19	15	1	35	14	20	13	4	40
215.7	12	26	5	**<1**	44	15	11	6	1	49	38	29	5	2	38
220.4	18	29	6	**<1**	48	12	20	2	**<1**	52	24	16	13	4	39
225.4	19	20	11	10	51	20	13	4	**<1**	44	14	13	5	2	47
230.4	16	36	5	2	56	11	26	5	2	54	15	13	5	1	45
235.6	34	31	3	10	57	11	24	2	4	52	33	20	5	5	62
240.4	24	37	4	5	64	24	60	5	2	63	32	54	2	5	99
245.4	31	31	6	3	84	26	33	1	2	74	26	23	2	7	160
250.4	26	36	5	8	51	25	30	5	3	54	99	23	36	**2360**	80
255.5	22	32	5	15	40	31	35	2	28	96	56	60	56	21	**543**
260.6	24	21	11	3	64	22	23	13	9	219	26	36	8	8	158
265.7	34	46	13	17	89	28	23	6	14	53	36	38	23	31	52
269.8	133	**308**	26	4	**360**	25	39	23	6	101	28	30	56	50	202
275.2	60	79	18	1	71	38	91	22	**<1**	96	28	60	34	9	68
280.8	11	210	206	12	7	12	102	166	12	7	20	101	141	5	5
285.9	17	79	185	17	4	10	91	132	16	4	14	53	90	9	7
291.4	11	93	156	6	3	22	88	131	5	3	15	77	85	11	3
296.6	19	82	101	11	3	14	70	129	12	2	9	47	78	11	1
302.0	6	120	122	6	3	9	96	91	6	4	7	70	77	6	2
307.7	82	111	**276**	31	50	11	86	57	14	28	14	89	84	7	10
313.3	185	187	**424**	72	34	43	66	93	10	15	86	70	113	12	24
317.2	105	**308**	131	34	24	27	192	119	14	46	18	47	51	39	34
321.5	96	138	139	39	14	53	76	56	21	26	24	46	84	9	2
327.4	47	81	120	13	3	36	46	126	14	3	19	38	72	13	4
327.7	57	70	142	28	10	31	38	132	13	5	42	41	81	14	4
328.0	34	74	108	21	9	20	56	104	11	4	36	37	63	18	10
332.5	18	50	82	18	5	23	46	91	8	2	12	39	69	12	5
338.1	61	38	105	22	17	20	59	99	10	**<1**	8	36	53	17	2
343.5	60	45	63	12	4	25	40	36	5	5	18	44	52	9	5
349.2	54	55	54	11	4	29	46	55	7	11	48	38	41	12	5
352.0	39	35	55	13	1	35	45	46	10	4	28	44	44	13	4
353.8	40	42	47	7	4	27	53	61	6	4	33	46	75	9	2
359.3	26	44	66	5	3	34	45	52	7	2	28	45	66	15	11
364.6	38	32	46	6	4	19	28	53	5	1	46	63	82	15	4
369.8	15	24	36	10	10	13	35	20	10	1	38	33	93	15	1
375.0	19	24	70	2	3	23	37	75	12	1	42	30	82	12	5

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 2: River Miles: 1.5 - 275.2					Round 2: River Miles: 280.8 - 628.1					Round 2: River Miles: 630.0 - 979.2				
Mile Point	WK6 LDB	WK 7 LDB	WK8 LDB	WK9 LDB	WK10 LDB	WK6 MID	WK7 MID	WK8 MID	WK9 MID	WK10 MID	WK6 RDB	WK7 RDB	WK8 RDB	WK9 RDB	WK10 RDB
380.4	24	26	46	9	**<1**	22	34	67	4	**<1**	25	20	66	6	2
385.4	17	21	68	5	2	32	23	37	5	3	21	22	42	3	**<1**
390.6	26	10	35	6	1	13	24	23	4	1	15	29	39	8	**<1**
395.0	21	22	81	4	**<1**	13	37	56	4	**<1**	12	19	28	4	**<1**
400.4	14	13	50	6	**<1**	22	14	35	10	1	21	10	47	11	4
405.8	21	16	17	4	5	15	10	36	8	2	15	13	192	22	6
411.4	26	7	36	7	2	26	5	34	6	3	8	21	45	10	10
416.4	46	7	30	2	**<1**	27	7	28	5	1	14	6	35	6	10
421.6	30	5	32	5	3	19	6	38	5	1	12	5	45	9	**<1**
426.4	12	6	25	5	6	28	4	19	7	**<1**	15	7	20	5	3
431.4	17	7	21	8	4	13	7	17	3	**<1**	**<10**	3	19	5	10
436.8	23	7	23	7	7	14	3	18	10	5	21	**<1**	31	1	3
441.5	21	3	35	7	**<1**	16	3	22	6	3	15	5	29	4	1
446.5	24	3	26	2	5	16	7	32	5	6	9	3	24	5	5
451.6	11	6	19	4	5	5	6	15	1	**<1**	**<10**	13	21	4	6
455.3	10	9	16	7	2	14	5	19	8	1	5	5	16	3	3
460.0	11	1	22	5	2	15	2	15	6	**<1**	10	7	32	4	1
465.0	17	13	11	**<1**	3	11	4	29	4	1	13	15	31	13	15
468.7	11	5	19	2	14	9	3	33	4	1	12	25	24	10	2
472.7	70	34	66	59	29	66	12	44	14	8	14	19	45	6	**2910**
477.6	33	14	46	30	42	24	13	49	18	175	44	35	36	86	**434**
482.2	46	11	54	13	58	39	30	34	10	**261**	41	24	48	15	181
486.2	50	18	34	11	7	36	16	47	11	148	34	35	53	35	64
489.7	41	11	31	12	15	46	15	70	18	45	49	13	44	18	68
493.2	33	14	42	15	11	41	17	54	20	46	50	25	39	27	41
498.0	28	18	22	19	2	22	6	19	25	30	47	43	33	44	91
503.1	24	14	21	24	**<1**	21	18	21	40	2	20	15	13	28	3
508.3	9	6	21	13	1	13	5	14	11	20	24	16	20	12	5
513.4	20	10	9	3	1	17	6	11	5	2	18	12	13	6	3
518.5	13	5	17	6	5	24	3	9	15	**<1**	6	16	14	7	10
523.4	12	11	9	3	**<1**	12	5	13	2	**<1**	9	11	7	2	4
528.4	4	10	13	7	**<1**	12	5	7	4	1	11	15	11	3	2
533.2	19	7	10	4	**<1**	24	10	5	5	5	11	7	12	4	2
538.5	19	11	8	3	3	9	12	8	5	**<1**	17	11	10	6	10
543.5	15	10	7	5	2	7	6	11	5	2	15	10	18	12	11
548.3	36	13	119	12	5	9	5	12	5	**<1**	10	6	11	**<1**	7
553.6	28	9	75	16	3	12	6	10	4	2	6	6	8	7	1
558.8	10	8	52	6	6	5	7	11	5	3	13	11	13	5	2
562.7	15	4	30	13	4	7	7	10	6	3	9	3	7	5	2
567.6	7	11	26	10	6	5	5	6	5	5	5	5	5	6	4
572.5	15	5	30	6	2	6	4	10	1	**<1**	6	7	6	2	2
577.4	6	5	36	7	**<1**	24	4	7	2	3	6	9	10	5	1
582.9	5	15	31	6	3	6	4	13	2	**<1**	1	6	14	4	**<1**
587.8	6	7	28	7	**<1**	2	2	13	2	1	5	6	21	3	**<1**
592.2	4	7	28	3	3	5	5	8	3	1	6	2	14	1	10
597.1	7	3	36	4	1	3	7	11	1	**<1**	8	8	8	2	1
602.2	13	5	21	7	2	4	5	9	3	3	7	5	15	5	**<1**

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 2: River Miles: 1.5 - 275.2					Round 2: River Miles: 280.8 - 628.1					Round 2: River Miles: 630.0 - 979.2				
Mile Point	WK6 LDB	WK 7 LDB	WK8 LDB	WK9 LDB	WK10 LDB	WK6 MID	WK7 MID	WK8 MID	WK9 MID	WK10 MID	WK6 RDB	WK7 RDB	WK8 RDB	WK9 RDB	WK10 RDB
604.3	17	34	20	17	1	2	10	22	2	3	7	3	17	5	1
607.5	20	15	30	41	3	6	6	12	10	2	9	7	21	30	10
609.7	52	11	21	24	6	7	13	12	25	10	3	7	16	28	14
612.2	20	84	24	58	12	4	8	15	29	4	11	8	14	56	8
617.6	36	21	42	**13000**	81	7	7	20	162	67	10	8	16	16	5
623.1	18	17	44	**326**	46	13	10	15	35	17	7	5	26	19	10
628.1	23	60	57	**2760**	184	11	10	19	17	19	12	11	15	16	20
630.0	194	**324**	**261**	38	76	**242**	**249**	**329**	44	22	108	234	**276**	26	11
631.6	**284**	**302**	**342**	44	58	219	**595**	221	44	23	91	**272**	**248**	31	12
637.6	198	**337**	**248**	62	18	228	**387**	**266**	30	11	**264**	**409**	**401**	28	16
643.1	**377**	**365**	214	59	15	**340**	**335**	180	36	7	221	**378**	**272**	35	11
648.9	**261**	**335**	206	39	15	141	196	185	53	13	**250**	**260**	**263**	54	14
654.0	200	**282**	192	25	7	228	**505**	178	38	13	**461**	192	**260**	33	5
659.2	148	**302**	194	21	11	162	**254**	141	32	12	126	180	204	17	5
664.2	125	**305**	236	14	9	**242**	**302**	219	32	12	141	238	196	31	9
669.1	238	**245**	237	31	9	**249**	**337**	153	24	11	185	227	**276**	24	5
674.5	152	**319**	170	18	7	**248**	**363**	**354**	26	7	84	152	143	18	9
680.4	124	**354**	185	15	10	120	238	**313**	18	6	84	101	135	35	13
685.6	88	185	199	20	13	108	194	215	19	7	77	199	148	24	18
690.7	88	135	154	26	7	105	133	117	17	14	82	105	228	29	7
695.6	43	122	179	13	15	91	142	221	17	16	61	107	142	15	13
700.9	53	62	190	19	16	47	112	156	19	15	33	93	204	12	14
706.2	32	82	126	24	7	44	86	147	16	6	30	58	172	19	7
711.5	21	79	153	15	9	31	131	115	17	6	34	84	114	12	9
717.4	36	96	142	12	7	28	77	127	23	8	24	79	194	15	9
721.5	147	**293**	119	31	14	102	234	123	25	8	162	**330**	114	20	14
727.0	119	214	130	25	10	96	**308**	79	19	13	178	**249**	161	15	8
732.5	166	**291**	145	22	11	178	**313**	110	27	7	118	162	108	27	16
738.8	71	162	82	20	5	50	236	131	23	11	63	192	93	16	5
742.4	93	130	149	26	4	111	152	137	12	6	68	162	86	12	11
746.4	76	84	111	25	5	82	135	105	20	6	44	162	147	24	6
750.6	67	93	101	28	6	65	140	114	15	4	50	156	143	15	7
754.8	29	49	184	22	7	53	113	238	23	8	68	133	196	24	11
758.0	55	120	128	24	**2480**	70	99	120	28	10	43	110	166	15	8
763.2	39	84	214	23	15	29	54	83	23	3	40	109	179	18	5
769.1	34	121	228	21	2	34	73	112	23	4	33	84	153	18	7
773.6	15	82	148	11	10	27	78	148	15	3	22	82	**259**	15	6
778.2	31	93	89	26	7	26	127	117	33	6	29	93	123	23	5
782.8	22	63	178	25	7	20	107	133	22	7	31	105	197	25	25
787.0	22	38	140	23	16	22	64	153	12	9	34	122	172	20	9
792.7	17	89	161	25	10	17	84	225	39	6	11	60	140	25	24
794.2	43	137	33	20	12	23	86	206	19	14	20	114	120	50	**1120**
800.0	110	99	236	14	62	30	99	186	25	**560**	22	91	**331**	19	**1350**
805.8	24	76	148	24	15	27	115	192	18	12	31	76	185	24	26
811.3	81	82	185	140	229	34	120	124	34	19	24	45	96	23	11
817.0	82	84	84	**260**	74	41	114	77	108	48	32	118	81	10	68
823.2	79	133	86	130	86	59	122	78	117	54	49	96	55	15	24

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

	Round 2: River Miles: 1.5 - 275.2					Round 2: River Miles: 280.8 - 628.1					Round 2: River Miles: 630.0 - 979.2				
Mile Point	WK6 LDB	WK 7 LDB	WK8 LDB	WK9 LDB	WK10 LDB	WK6 MID	WK7 MID	WK8 MID	WK9 MID	WK10 MID	WK6 RDB	WK7 RDB	WK8 RDB	WK9 RDB	WK10 RDB
829.5	81	76	133	43	60	55	133	129	44	39	25	74	72	24	41
832.2	62	102	71	19	46	37	109	105	17	34	28	69	75	18	21
837.2	46	109	140	20	31	41	101	108	12	41	25	78	69	4	31
842.3	45	62	47	19	43	37	99	67	25	32	37	61	64	14	28
846.5	28	91	201	19	36	36	121	**261**	25	23	28	32	128	25	35
851.3	46	118	131	41	17	38	147	124	19	26	22	118	84	15	17
855.5	44	96	118	34	30	26	49	70	25	19	29	88	96	13	17
859.7	54	120	186	17	25	34	96	126	26	25	15	47	86	13	18
864.4	24	111	86	26	22	42	118	178	26	15	31	64	84	16	19
869.8	40	104	124	17	38	36	82	101	25	15	31	118	91	15	16
875.7	24	52	120	17	18	49	59	119	17	36	24	86	60	12	16
880.7	32	99	46	28	10	30	33	50	14	7	19	66	50	8	12
885.0	37	47	82	13	8	26	64	155	8	11	19	57	45	9	11
889.2	34	126	96	26	13	24	55	99	17	8	24	68	57	15	10
891.7	26	54	60	17	11	20	39	39	13	12	23	105	86	14	12
897.5	34	51	17	15	5	28	45	13	8	3	17	96	24	11	7
903.2	23	53	12	14	3	30	82	16	10	7	16	59	12	5	7
908.0	34	53	27	16	5	15	52	15	10	5	21	36	24	15	30
912.6	23	50	9	11	5	25	55	9	10	2	19	43	10	8	11
917.6	15	61	13	8	14	25	44	12	11	4	11	38	7	11	5
923.4	8	58	11	2	1	28	99	23	15	6	18	82	28	20	6
928.2	22	32	9	2	2	13	69	14	3	5	26	145	36	12	8
932.2	15	28	13	5	5	18	35	22	7	5	20	19	26	7	4
936.2	52	42	24	2	48	17	36	5	4	5	25	46	67	9	5
937.7	9	30	15	2	21	23	57	12	5	19	22	46	23	14	8
940.9	21	21	20	4	15	11	33	18	5	15	21	35	50	13	6
944.2	21	31	13	4	29	25	33	8	5	21	14	34	19	13	6
947.5	29	67	18	6	32	12	33	15	3	15	13	29	31	7	15
952.2	24	39	26	6	26	12	26	34	10	13	25	70	31	46	7
957.7	13	31	37	5	14	8	33	20	4	10	27	40	36	12	14
963.0	29	24	54	2	26	9	29	36	3	15	32	48	45	9	14
969.2	5	29	58	10	22	16	39	60	6	13	30	46	34	15	18
974.1	12	57	11	5	10	10	62	44	20	7	33	37	37	7	11
979.2	8	30	27	4	114	8	21	21	2	26	17	33	34	13	93

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

Mile Point	Monthly Geometric Mean Round 1 GeoMean	Monthly Geometric Mean Round 2 GeoMean	% Individual Exceedences	Geometric Mean Exceedences
1.5	**196**	**532**	**47**	**exceeds**
3.3	**213**	**418**	**53**	**exceeds**
6.4	**308**	**289**	**53**	**exceeds**
9.5	**198**	**381**	**60**	**exceeds**
11.4	**172**	**297**	**53**	**exceeds**
12.5	**180**	**238**	**60**	**exceeds**
14.4	**200**	**313**	**53**	**exceeds**
17.7	**155**	**312**	**60**	**exceeds**
20.5	**203**	**353**	**60**	**exceeds**
20.8	**181**	**261**	**53**	**exceeds**
21.8	**161**	**226**	**60**	**exceeds**
22.9	**214**	**357**	**60**	**exceeds**
25.5	**131**	**208**	**40**	**exceeds**
25.8	**177**	**203**	**47**	**exceeds**
26.4	**160**	**191**	**47**	**exceeds**
28.3	**144**	**150**	**47**	**exceeds**
32.9	**151**	**132**	**60**	**exceeds**
37.6	**164**	95	**64**	**exceeds**
41.2	125	94	**60**	
44.8	**145**	106	**60**	**exceeds**
48.7	**135**	78	**47**	**exceeds**
52.5	103	54	**53**	
56.4	**139**	58	**60**	**exceeds**
60.3	128	69	**60**	
66.4	**237**	94	**67**	**exceeds**
66.9	**194**	104	**60**	**exceeds**
70.7	**170**	104	**53**	**exceeds**
71.8	**176**	**132**	**60**	**exceeds**
74.9	110	71	**40**	
80.2	99	65	**47**	
85.6	84	46	**33**	
91.2	**151**	81	**40**	**exceeds**
94.2	**228**	78	**53**	**exceeds**
97.8	**202**	124	**33**	**exceeds**
102.6	**154**	76	**33**	**exceeds**
107.7	121	43	**20**	
113.0	67	50	**20**	
118.3	49	35	**20**	
123.7	55	28	**20**	
124.9	44	27	**20**	
129.1	65	48	**20**	
133.4	68	47	**20**	
138.7	63	51	**13**	
144.2	44	29	**20**	
149.6	34	21	**13**	
155.0	36	15	**13**	

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

Mile Point	Monthly Geometric Mean Round 1 GeoMean	Monthly Geometric Mean Round 2 GeoMean	% Individual Exceedences	Geometric Mean Exceedences
160.4	53	23	0	
165.8	70	16	**13**	
171.2	76	18	**14**	
175.1	93	18	**14**	
179.4	113	16	**33**	
183.5	115	18	**21**	
185.9	85	22	0	
190.8	70	18	0	
195.7	46	15	0	
200.7	43	20	0	
205.7	50	17	0	
210.7	43	13	0	
215.7	42	12	0	
220.4	42	15	0	
225.4	35	14	0	
230.4	30	11	0	
235.6	28	14	0	
240.4	43	16	0	
245.4	45	14	0	
250.4	62	30	7	
255.5	54	31	0	
260.6	44	22	0	
265.7	47	28	0	
269.8	74	47	7	
275.2	53	33	0	
280.8	40	28	0	
285.9	40	24	0	
291.4	38	20	0	
296.6	34	18	0	
302.0	40	16	7	
307.7	57	39	**20**	
313.3	68	58	**20**	
317.2	77	53	**13**	
321.5	68	36	**13**	
327.4	51	24	**13**	
327.7	67	30	**20**	
328.0	79	28	**13**	
332.5	55	19	7	
338.1	49	26	**13**	
343.5	45	19	7	
349.2	65	22	**13**	
352.0	67	18	**20**	
353.8	55	18	7	
359.3	84	19	**27**	
364.6	54	17	**13**	
369.8	60	14	**20**	
375.0	58	16	**13**	

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

Mile Point	Monthly Geometric Mean Round 1 GeoMean	Monthly Geometric Mean Round 2 GeoMean	% Individual Exceedences	Geometric Mean Exceedences
380.4	66	18	**13**	
385.4	58	13	**27**	
390.6	50	11	**13**	
395.0	57	16	**20**	
400.4	37	12	7	
405.8	46	13	**13**	
411.4	34	11	0	
416.4	24	10	0	
421.6	21	10	0	
426.4	27	9	0	
431.4	21	9	0	
436.8	24	9	0	
441.5	24	8	0	
446.5	23	8	0	
451.6	29	7	0	
455.3	32	6	0	
460.0	25	6	0	
465.0	42	9	**13**	
468.7	65	8	**20**	
472.7	84	36	**27**	
477.6	103	42	**20**	
482.2	130	36	**27**	
486.2	**169**	30	**20**	**exceeds**
489.7	96	27	**20**	
493.2	**147**	28	**25**	**exceeds**
498.0	**134**	23	**20**	**exceeds**
503.1	59	15	0	
508.3	52	10	0	
513.4	50	7	0	
518.5	39	9	7	
523.4	37	6	**20**	
528.4	34	6	**20**	
533.2	39	7	**20**	
538.5	47	8	**20**	
543.5	34	8	0	
548.3	41	11	0	
553.6	41	7	0	
558.8	42	8	**13**	
562.7	39	6	**13**	
567.6	35	7	0	
572.5	31	5	0	
577.4	31	6	0	
582.9	28	6	0	
587.8	19	5	0	
592.2	21	5	0	
597.1	19	4	0	
602.2	17	6	0	

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

Mile Point	Monthly Geometric Mean Round 1 GeoMean	Monthly Geometric Mean Round 2 GeoMean	% Individual Exceedences	Geometric Mean Exceedences
604.3	17	6	0	
607.5	40	11	7	
609.7	39	13	7	
612.2	26	16	0	
617.6	51	32	**13**	
623.1	57	20	**13**	
628.1	49	30	**13**	
630.0	**155**	104	**40**	**exceeds**
631.6	**156**	111	**40**	**exceeds**
637.6	**180**	107	**47**	**exceeds**
643.1	**218**	101	**60**	**exceeds**
648.9	**228**	95	**60**	**exceeds**
654.0	**229**	85	**53**	**exceeds**
659.2	**227**	65	**53**	**exceeds**
664.2	**254**	75	**60**	**exceeds**
669.1	**216**	77	**60**	**exceeds**
674.5	**174**	66	**47**	**exceeds**
680.4	**181**	61	**53**	**exceeds**
685.6	**166**	60	**47**	**exceeds**
690.7	**185**	52	**60**	**exceeds**
695.6	**148**	49	**40**	**exceeds**
700.9	**162**	44	**47**	**exceeds**
706.2	**143**	35	**47**	**exceeds**
711.5	90	33	**40**	
717.4	104	34	**40**	
721.5	**200**	66	**47**	**exceeds**
727.0	**182**	59	**60**	**exceeds**
732.5	**182**	66	**60**	**exceeds**
738.8	**180**	43	**40**	**exceeds**
742.4	**182**	44	**53**	**exceeds**
746.4	**167**	42	**47**	**exceeds**
750.6	**162**	39	**47**	**exceeds**
754.8	**166**	44	**40**	**exceeds**
758.0	**158**	64	**40**	**exceeds**
763.2	**144**	35	**40**	**exceeds**
769.1	**156**	33	**40**	**exceeds**
773.6	**156**	30	**40**	**exceeds**
778.2	**141**	35	**33**	**exceeds**
782.8	**136**	39	**40**	**exceeds**
787.0	124	35	**33**	
792.7	**135**	36	**27**	**exceeds**
794.2	**153**	53	**33**	**exceeds**
800.0	**152**	92	**40**	**exceeds**
805.8	**144**	43	**33**	**exceeds**
811.3	**177**	59	**40**	**exceeds**
817.0	**222**	70	**53**	**exceeds**
823.2	**257**	69	**73**	**exceeds**

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix G: E. coli Concentration Data in colonies per 100 mL

Mile Point	Monthly Geometric Mean Round 1 GeoMean	Monthly Geometric Mean Round 2 GeoMean	% Individual Exceedences	Geometric Mean Exceedences
829.5	**204**	60	**53**	**exceeds**
832.2	**162**	45	**27**	**exceeds**
837.2	**137**	41	**40**	**exceeds**
842.3	**140**	40	**27**	**exceeds**
846.5	120	49	**27**	
851.3	115	46	**13**	
855.5	120	40	**20**	
859.7	118	42	**20**	
864.4	106	42	**27**	
869.8	113	43	**27**	
875.7	78	36	**20**	
880.7	65	25	**20**	
885.0	66	26	7	
889.2	51	32	7	
891.7	48	27	7	
897.5	82	17	**33**	
903.2	80	16	**40**	
908.0	72	19	**27**	
912.6	46	14	7	
917.6	58	14	**20**	
923.4	53	15	**20**	
928.2	43	13	7	
932.2	36	12	0	
936.2	31	16	0	
937.7	31	15	0	
940.9	32	16	0	
944.2	28	15	0	
947.5	32	17	7	
952.2	33	21	7	
957.7	39	16	7	
963.0	33	18	7	
969.2	34	21	7	
974.1	32	18	7	
979.2	34	19	7	

Exceeds criteria

E. coli monthly geometric mean not to exceed 130 colonies/ 100 ml

E. coli individual sample not to exceed 240 colonies/ 100 ml

Appendix H: Summary of fish consumption advisories for states bordering the Ohio River. For additional information, please refer to the state's full fish consumption advisory, available in its entirety online.

State	Location	Species	Number of meals		Contaminants
			General population	Special population	
Pennsylvania	From RM 0 to Montgomery Lock & Dam (RM 31.7)	Walleye, sauger, white bass, freshwater drum	1 meal/month		PCBs
		Carp, channel catfish	Do Not Eat		PCBs
	From Montgomery Lock and Dam (RM 31.7) to the state border (RM 40.0) *Based on advisory issued by Ohio and West Virginia	White bass, hybrid striped bass, freshwater drum, walleye (17" and over)	1 meal/month		PCBs
		Flathead catfish, channel catfish (< 17")	6 meals/year		PCBs
		Channel catfish (< 17"), carp	Do Not Eat		PCBs
Follow the general, statewide one meal per week advisory to limit your exposure to contaminants.					
Source: Pennsylvania DEP (http://www.dep.state.pa.us/dep/deputate/watermgt/Wqp/WQStandards/FishAdvis/FishAdvisory05-Tbl.pdf)					
West Virginia	entire length in WV	Carp, channel catfish (>17")	Do Not Eat		PCBs, mercury, dioxin
		Channel catfish (<17"), flathead catfish (all sizes)	6 meals/year		
		Freshwater drum	1 meal/month		
		Black bass (<12"), channel catfish (>17"), sauger, all suckers	2 meals/month		
		Black bass (>12"), walleye, saugeye, white bass, hybrid striped bass	1 meals/month		Mercury, PCBs
		Channel catfish (<17"), all other species	1 meal/week		
Source: West Virginia Department of Health and Human Resources (http://www.wvdhhr.org/fish/current.asp)					
Ohio	Entire length in OH	Channel catfish, carp, flathead catfish	1 meal/2 months		PCBs
		Freshwater drum, hybrid striped bass, walleye (17" and over), white bass	1 meal/month		
The Ohio Department of Health advises that all persons limit consumption of sport fish caught from all waterbodies in Ohio to one meal per week, unless there is a more restrictive advisory (see the "Limit Your Meals From These Waters" section).					
Source: Ohio EPA (http://www.epa.state.oh.us/dsw/fishadvisory/pamphlet.html)					
Kentucky	Mouth of Big Sandy River (RM 317.1) to Markland Lock & Dam (RM 436.2)	Paddlefish (and eggs), channel catfish (>21")	6 meals/year	Do Not Eat	No contaminants identified
		Carp, channel catfish <21"), smallmouth buffalo, white bass, freshwater drum, hybrid striped bass	1 meal/month	6 meals/year	
		White crappie	no advisory	1 meal/week	
		Sauger, flathead catfish, black basses	1 meal/week	1 meal/month	
	Markland Lock & Dam (RM 436.2) to Cannelton Lock & Dam (RM 605.0)	Paddlefish (and eggs), channel catfish (>21")	6 meals/year	Do Not Eat	No contaminants identified
		Channel catfish (<21"), carp, hybrid striped bass, white bass, freshwater drum	1 meal/month	6 meals/year	
		Sauger, flathead catfish, black basses	1 meal/week	1 meal/month	
	Cannelton Lock & Dam (RM 605.0) to Mississippi River (RM 981.0)	Paddlefish (and eggs)	6 meals/year	Do Not Eat	No contaminants identified
		Channel catfish, carp, blue catfish (>14"), freshwater drum, hybrid striped bass, white bass	1 meal/month	6 meals/year	
		Blue catfish (<14"), sauger, black basses, bigmouth buffalo	1 meal/week	1 meal/month	
		White crappie	no advisory	1 meal/week	
A statewide mercury advisory was issued in April 2000 for all freshwater fish from Kentucky waters, including the Ohio River. Women of childbearing age and children 6 years and younger should eat no more than one meal per week of any freshwater fish.					
Source: Kentucky Cabinet for Health Services (http://www.water.ky.gov/sw/advisories/fish.htm)					

Appendix H: Summary of fish consumption advisories for states bordering the Ohio River. For additional information, please refer to the state's full fish consumption advisory, available in its entirety online.

State	Location	Species	Number of meals		Contaminants
			General population	Special population	
Indiana	Entire length in IN	Carp (≥16"), channel catfish (14-19"), flathead catfish (<17"), freshwater drum (≥13"), largemouth bass (≥13"), paddlefish, sauger/walleye/saugeye (13-17"), smallmouth buffalo (15-17"), spotted bass (≥13"), white/striped/hybrid bass (10-20")	1 meal/month	Do Not Eat	PCBs
		Channel catfish (19-26"), flathead catfish (17-23"), sauger/walleye/saugeye (≥13"17"), smallmouth bass (13-15"), smallmouth buffalo (≥17"), white/striped/hybrid bass (≥20")	1 meal/2 months	Do Not Eat	
		Smallmouth bass (≥15"), flathead catfish (≥23"), channel catfish (≥26")	Do Not Eat	Do Not Eat	
Source: Indiana State Department of Health (http://www.in.gov/isdh/dataandstats/fish/fish_adv_index.htm)					
Illinois	Entire length in IL	Channel catfish (>15"), blue catfish, freshwater drum (<14")	1 meal/week		PCBs
		Carp, freshwater drum (>14"), sauger	1 meal/month		
		Largemouth bass	1 meal/week	1 meal/month	Mercury
Source: Illinois Department of Health (http://www.idph.state.il.us/envhealth/fishadv/fishadvisory05.htm)					

Appendix I: Dioxin High Volume Water Sampling Results
1997-2004

			2, 3, 7, 8 TCDD pg/L (ppq)			Dioxin TEQ pg/L (ppq)			Dioxin TEQ Standard
Mile Point	Date	Flow ft^3/s	Dissolved fg/L	Particulate fg/L	Total fg/L	Dissolved fg/L	Particulate fg/L	Total fg/L	5 ppq
4.0	2-Aug-00	16852	2.47 est	12.4	14.9 est	10.9	221	232	violation
4.0	25-Apr-01	38706	1.19	11.3	12.5	4.34	105	109	violation
4.0	13-Jul-04	27214	<3	3.08		16.3	73.4	89.7	violation
10.9	3-Aug-00	17808	4.51	18	22.5	12.0	248	260	violation
10.9	26-Apr-01	35600	1.44	12.6	14.0	3.94	94.0	97.9	violation
10.9	14-Jul-04	29723	<4	1.69		14.6	36.1	50.7	violation
20.2	7-Jul-98	19500	3.65	23.9	27.6	14.7	219	233	violation
20.2	4-Aug-98	5000	<1.56	25.9		23.8	150	174	violation
20.2	15-Sep-98	7700	<0.92	23.9		12.4	158	171	violation
20.2	4-Aug-00	22484	4.2	66.9	71.1	15.6	420	436	violation
20.2	27-Apr-01	33770	2.02	12.8	14.8	4.98	152	157	violation
30.9	5-Aug-00	25615	3.57	<1.18		9.67	248	258	violation
30.9	30-Apr-01	24000	1.95	14.9	16.9	6.20	135	141	violation
30.9	30-Mar-04	61039	<2	12.7		9.03	168	177	violation
30.9	15-Jul-04	27777	<4	2.14		12.9	26.6	39.5	violation
40.0	8-Jul-98	20700	2.02	28	30.0	18.4	245	263	violation
40.0	5-Aug-98	7300	<0.97	19.3		24.3	138	163	violation
40.0	16-Sep-98	7700	<0.92	17.4		15.6	131	146	violation
40.0	8-Aug-00	50098	3.42	55.4	58.8	45.1	701	746	violation
40.0	1-May-01	27700	2.13	15.3	17.4	6.26	114	121	violation
44.6	9-Jul-98	21700	3.16	15.1	18.3	17.3	179	196	violation
44.6	6-Aug-98	7800	<0.49	15.2		24.7	149	174	violation
44.6	17-Sep-98	7100	<0.72	16.3		15.7	117	132	violation
69.9	9-Aug-00	37837	2.57 est	23.9	26.47 est	30.6	402	433	violation
69.9	2-May-01	23600	1.18	10.5	11.7	6.18	70.8	76.9	violation
69.9	4-Nov-04	32286	10.9	7.27	18.2	15.5	91.5	107	violation
99.2	11-Aug-00	26439	5.33			28.4		insufficient data	
99.2	3-May-01	18828	1.29	4.85	6.14	5.95	51.0	56.9	violation
99.2	31-Mar-04	67049	<2.5	10.3		11.2	101	113	violation
99.2	3-Nov-04	33622	15.1	8.08	23.2	20.5	72.4	92.9	violation
129.0	14-Jul-98	17000	2.48	8.26	10.7	20.2	107	127	violation
129.0	11-Aug-98	10500	<0.59	10.4		26.1	109	135	violation
129.0	22-Sep-98	10100	0.92	11.8	12.7	8.21	110	118	violation
129.0	12-Aug-00	28359	<1			24.6		insufficient data	
129.0	4-May-01	15700	2.35	5.66	8.01	7.84	76.5	84.3	violation
149.0	13-Aug-00	15954	<1.36	<1.03	<2.39	20.9	89.1	110	violation
149.0	5-May-01	21500	1.44	8.5	9.94	6.30	76.6	82.9	violation
149.0	25-Mar-04	84867	<3	18.7		24.2	265	290	violation
171.8	14-Aug-00	19291	<1	9.68		15.8	103	118	violation
171.8	7-May-01	12000	1.6	5.7	7.30	6.60	69.9	76.5	violation
171.8	24-Mar-04	97183	<3.5	45.9		33.4	648	681	violation
175.1	15-Jul-98	34600	1.03	19.4	20.4	8.72	282	291	violation
175.1	12-Aug-98	19100	<1.49	15.5		18.6	158	176	violation
175.1	23-Sep-98	14200	<0.25	7.81		7.37	100	108	violation
175.1	16-Aug-00	19644	<1	<0.99	<1.99	15.0	92.3	107	violation
175.1	9-May-01	14600	1.16	6.05	7.21	5.46	97.0	102	violation
184.3	17-Aug-00	17313	6.89	<1.19		29.1	238	267	violation
184.3	10-May-01	25700	1.68	25.2	26.9	12.9	899	912	violation
184.3	23-Mar-04	134274	<3.5	35.1		23.3	534	558	violation
207.7	16-Jul-98	32500	1.66	9.52	11.2	19.6	234	253	violation
207.7	13-Aug-98	20500	<0.32	7.8		21.9	220	242	violation
207.7	24-Sep-98	12000	3.5	6.48	9.98	20.4	131	151	violation
207.7	18-Aug-00	17212	<1.2	<0.95	<2.15	16.5	189	205	violation
207.7	11-May-01	13100	1.94	19	20.9	9.46	321	331	violation
264.0	16-Jul-97	19000	2.71	14	16.7	18.1	317	335	violation
264.0	20-Aug-97	62700	2.02	9.8	11.8	15.0	516	531	violation
264.0	24-Sep-97	14500	<0.99	8.02		12.9	268	281	violation
264.0	18-Jun-98	93700	<2.6	69.7		47.1	1240	1287	violation
264.0	3-Nov-98	9100	2.51	4.26	6.77	11.7	88.6	100	violation
264.0	19-Aug-00	10269	<1.01	<0.9	<1.91	15.3	171	186	violation
264.0	12-May-01	22100	1.72	8.58	10.3	10.0	256	266	violation
281.5	17-Jul-97	21300	5.36	32.3	37.7	16.3	296	312	violation
281.5	21-Aug-97	68800	3.34	44.3	47.6	13.4	891	904	violation
281.5	25-Sep-97	17600	<0.86	30.6		7.14	246	253	violation
281.5	19-Jun-98	175400	7.14	136	143	46.5	1290	1337	violation
281.5	4-Nov-98	15900	8.01	23.6	31.6	18.1	101	119	violation
302.9	18-Jul-97	20400	5.86	29.4	35.3	11.6	199	211	violation
302.9	22-Aug-97	61300	<0.4	44		11.6	482	494	violation
302.9	26-Sep-97	21800	4.85	18	22.9	15.5	117	132	violation
302.9	20-Jun-98	103100	7.12	160	167	52.7	731	784	violation
302.9	5-Nov-98	17000	6.49	19	25.5	16.3	90.6	107	violation
321.5	7-May-99	33300	6.85	12.2	19.1	18.6	64.9	83.6	violation
321.5	15-Jul-99	9890	3.53	11.8	15.3	11.8	54.6	66.3	violation
321.5	20-Apr-00	211000	4.33	284	288	19.3	1291	1310	violation
360.0	9-May-99	48700	3.54	22	25.5	10.4	136	147	violation
360.0	17-Jul-99	13661	4.25	12.7	17.0	9.29	67.2	76.4	violation

Est- Estimated
Assessment determined using Total Dioxin TEQ data

Appendix I: Dioxin High Volume Water Sampling Results
1997-2004

			2, 3, 7, 8 TCDD pg/L (ppq)			Dioxin TEQ pg/L (ppq)			Dioxin TEQ Standard
Mile Point	Date	Flow ft^3/s	Dissolved fg/L	Particulate fg/L	Total fg/L	Dissolved fg/L	Particulate fg/L	Total fg/L	5 ppq
360.0	22-Apr-00	175000	5.94	230	236	17.7	1073	1091	violation
438.6	10-May-99	35800	3.26	1.839	5.10	10.8	102	113	violation
438.6	18-Jul-99	12200	5.61	17.1	22.7	14.6	101	116	violation
438.6	23-Apr-00	174000	10.3 est	380	390.3 est	17.0	1441	1458	violation
486.5	12-May-99	38400	6.75	14.05	20.8	14.8	61.6	76.4	violation
486.5	19-Jul-99	12800	<0.29	<0.41	<.7	10.9	22.7	33.6	violation
486.5	25-Apr-00	177000	7.86	137	145	30.9	694	725	violation
494.5	14-May-99	43000	3.16	12.2	15.4	10.9	86.9	97.8	violation
494.5	21-Jul-99	15600	<0.16	10.8		14.2	63.1	77.4	violation
494.5	26-Apr-00	180000	8.94	122	131	33.2	618	651	violation
548.3	15-May-99	48000	1.66	7.53	9.19	4.92	49.0	53.9	violation
548.3	22-Jul-99	14180	<0.32	5.07		15.4	27.9	43.2	violation
548.3	27-Apr-00	199000	3.94	47.2	51.1	14.2	289	303	violation
625.6	17-May-99	54800	3.13	16.6	19.7	12.3	116	128	violation
625.6	23-Jul-99	23600	<0.42	4.7		11.0	35.5	46.6	violation
625.6	28-Apr-00	210000	8.27	229	237	31.3	1018	1049	violation
625.6	11-Sep-03	80244	10.7	188	199	44.2	774	818	violation
670.7	18-May-99	54700	4.31	15.2	19.5	13.9	104	117	violation
670.7	27-Jul-99	17700	1.98	5.65	7.63	8.03	37.0	45.0	violation
670.7	1-May-00	146000	6.04	127	133	26.0	677	703	violation
670.7	4-Nov-03	91661	6.63	61.8	68.4	28.6	313	341	violation
717.4	19-May-99	66200	2.92	7.55	10.5	11.4	48.7	60.0	violation
717.4	28-Jul-99	19400	2.79	10.7	13.5	13.2	60.3	73.5	violation
717.4	2-May-00	126000	4.25	61.5	65.8	14.5	352	367	violation
717.4	17-Sep-03	34169	6.79	9.95	16.7	30.8	41.8	72.6	violation
722.5	20-May-99	57800	3.33	8.36	11.7	12.3	66.8	79.0	violation
722.5	29-Jul-99	35400	3.22	5.92	9.14	12.2	45.1	57.3	violation
722.5	3-May-00	95500	3.17	65.4	68.6	10.2	404	414	violation
722.5	16-Sep-03	45938	8.13	21.6	29.7	34.0	117	151	violation
765.0	7-May-02	365000	16.2	357	373	93.2	1629	1722	violation
765.0	22-Oct-02	35600	<3.25	19.2		8.94	131	140	violation
765.0	17-May-03	303000	17.3	416	433	86.0	2167	2253	violation
770.0	9-May-02	370000	12.2	285	297	69.2	1639	1708	violation
770.0	23-Oct-02	35300	3.42	21.6	25.0	16.5	154	170	violation
770.0	18-May-03	282000	37.6	202	240	215	1011	1226	violation
847.0	13-May-02	228000	4.39 est	144	148.4 est	25.1	987	1012	violation
847.0	25-Oct-02	49700	5.57	15.3	20.9	31.8	114	145	violation
847.0	20-May-03	201000	20.1	181	201	120	1106	1226	violation
917.0	16-May-02	491058	10.4	182	192	66.0	1150	1216	violation
917.0	30-Oct-02	80600	4 est	17.6	21.6 est	21.7	119	141	violation
917.0	29-May-03	268000	10.3	116	126	64.8	597	662	violation
943.0	19-May-02	773000	5.83 est	205	210.8 est	32.8	773	806	violation
943.0	2-Nov-02	215000	1.55 est	22.8	24.35 est	6.84	166	173	violation
943.0	1-Jun-03	230000	4.75 est	76.5	81.3 est	21.1	502	523	violation
948.0	20-May-02	767000	3.27	83.9	87.2	17.0	590	607	violation
948.0	3-Nov-02	223000	0.991 est	22.1	23.09 est	3.29	154	157	violation
948.0	2-Jun-03	217000	6.75	183	190	41.6	1091	1132	violation
980.0	21-May-02	772000	5.56	56.9	62.5	33.6	382	415	violation
980.0	4-Nov-02	222000	2.78	54.6	57.4	27.5	405	432	violation
980.0	3-Jun-03	229000	13.8 est	288	301.8 est	70.9	1545	1616	violation

Est- Estimated
Assessment determined using Total Dioxin TEQ data

Appendix J: PCB High Volume Water Sampling Results
1997-2004

Mile Point	Date	Flow (cfs)	Dissolved pg/L	Particulate pg/L	Total PCBs pg/L	PCB Standard 64 pg/L
4.0	2-Aug-00	16852		3706.4	insufficient data	
4.0	25-Apr-01	38706	430.3	1148.2	1578.5	violation
4.0	13-Jul-04	27214	2240.3	1084.7	3325.0	violation
10.9	3-Aug-00	17808		4131.0	insufficient data	
10.9	26-Apr-01	35600	590.6	1010.5	1601.1	violation
10.9	14-Jul-04	29723	2120.6	648.5	2769.1	violation
20.2	7-Jul-98	19500	1241.6	2018.1	3259.7	violation
20.2	15-Sep-98	7700	1497.5	1477.9	2975.3	violation
20.2	4-Aug-00	22484		6443.6	insufficient data	
20.2	27-Apr-01	33770	551.0	1434.1	1985.1	violation
30.9	5-Aug-00	25615		4292.6	insufficient data	
30.9	30-Apr-01	24000	814.5	1708.6	2523.2	violation
30.9	30-Mar-04	61039	430.7	1427.0	1857.7	violation
30.9	15-Jul-04	27777	2103.3	485.7	2589.1	violation
40.0	8-Jul-98	20700	1463.6	2714.5	4178.1	violation
40.0	16-Sep-98	7700	1431.7	1647.8	3079.5	violation
40.0	8-Aug-00	50098		11744.0	insufficient data	
40.0	1-May-01	27700	791.8	1494.0	2285.8	violation
44.6	9-Jul-98	21700	1368.7	1755.5	3124.2	violation
44.6	17-Sep-98	7100	1515.8	1417.2	2933.0	violation
69.9	9-Aug-00	37837		5589.6	insufficient data	
69.9	2-May-01	23600	786.1	998.6	1784.7	violation
69.9	4-Nov-04	32286	1317.1	1586.6	2903.7	violation
99.2	11-Aug-00	26439	2910.0		insufficient data	
99.2	3-May-01	18828	774.0	676.4	1450.4	violation
99.2	31-Mar-04	67049	831.0	1845.6	2676.7	violation
99.2	3-Nov-04	33622	1152.9	976.5	2129.3	violation
129.0	14-Jul-98	17000	1206.8	1137.0	2343.8	violation
129.0	11-Aug-98	10500	1403.8		insufficient data	
129.0	22-Sep-98	10100	270.2	906.3	1176.4	violation
129.0	12-Aug-00	28359	2494.9	2052.8	4547.7	violation
129.0	4-May-01	15700	822.1	889.1	1711.2	violation
149.0	13-Aug-00	15954	2173.0	1083.7	3256.7	violation
149.0	5-May-01	21500	848.8	982.4	1831.2	violation
149.0	25-Mar-04	84867	743.2	2930.7	3673.9	violation
171.8	14-Aug-00	19291	1878.0	1205.1	3083.1	violation
171.8	7-May-01	12000	779.1	934.9	1713.9	violation
171.8	24-Mar-04	97183	1100.6	8290.6	9391.2	violation
175.1	15-Jul-98	34600	1072.0	2298.8	3370.8	violation
175.1	12-Aug-98	19100	1198.9	1090.8	2289.7	violation
175.1	23-Sep-98	14200	164.9	743.7	908.6	violation
175.1	16-Aug-00	19644	1575.9	1127.7	2703.6	violation
175.1	9-May-01	14600	775.4	1313.9	2089.2	violation
184.3	17-Aug-00	17313	1620.2	1079.3	2699.5	violation
184.3	10-May-01	25700	845.7	1435.3	2281.1	violation
184.3	23-Mar-04	134274	736.2	3189.5	3925.7	violation
207.7	16-Jul-98	32500	1232.4	804.1	2036.6	violation
207.7	13-Aug-98	20500	1337.3	520.2	1857.5	violation
207.7	24-Sep-98	12000	260.2	279.5	539.7	violation
207.7	18-Aug-00	17212	1299.1	1014.7	2313.9	violation
207.7	11-May-01	13100	879.8	1556.5	2436.3	violation
264.0	20-Aug-97	62700	816.9	798.5	1615.4	violation
264.0	24-Sep-97	14500	758.2	691.6	1449.8	violation
264.0	18-Jun-98	93700		4157.4	insufficient data	
264.0	3-Nov-98	9100		253.7	insufficient data	
264.0	19-Aug-00	10269	1173.3	656.4	1829.7	violation
264.0	12-May-01	22100	872.3	1394.7	2267.1	violation
281.5	21-Aug-97	68800	698.0	1715.8	2413.8	violation
281.5	25-Sep-97	17600	592.7		insufficient data	
281.5	19-Jun-98	175400		2935.7	insufficient data	
281.5	4-Nov-98	15900		334.3	insufficient data	
302.9	22-Aug-97	61300	677.4	1201.3	1878.8	violation
302.9	20-Jun-98	103100		2855.6	insufficient data	
302.9	5-Nov-98	17000		238.7	insufficient data	
321.5	7-May-99	33300		214.7	insufficient data	
321.5	15-Jul-99	9890	695.5	257.9	953.4	violation

Appendix J: PCB High Volume Water Sampling Results
1997-2004

Mile Point	Date	Flow (cfs)	Dissolved pg/L	Particulate pg/L	Total PCBs pg/L	PCB Standard 64 pg/L
321.5	20-Apr-00	211000	360.0	6079.9	6439.9	violation
360.0	9-May-99	48700	591.0	455.7	1046.7	violation
360.0	17-Jul-99	13661	865.1	491.9	1357.0	violation
360.0	22-Apr-00	175000	525.8	8122.3	8648.1	violation
438.6	10-May-99	35800	580.2	409.4	989.6	violation
438.6	18-Jul-99	12200	619.5	309.9	929.4	violation
438.6	23-Apr-00	174000		5072.8	insufficient data	
486.5	12-May-99	38400	1768.7	406.9	2175.6	violation
486.5	19-Jul-99	12800	664.8	218.9	883.7	violation
486.5	25-Apr-00	177000	800.0	3752.1	4552.1	violation
494.5	14-May-99	43000	794.1	393.1	1187.3	violation
494.5	21-Jul-99	15600	1141.4	381.2	1522.6	violation
494.5	26-Apr-00	180000	851.5	3921.5	4773.0	violation
548.3	15-May-99	48000	494.7	213.8	708.5	violation
548.3	22-Jul-99	14180	915.8	126.2	1042.1	violation
548.3	27-Apr-00	199000	465.6	1569.9	2035.6	violation
625.6	17-May-99	54800	658.7		insufficient data	
625.6	23-Jul-99	23600	907.1	204.3	1111.5	violation
625.6	28-Apr-00	210000	820.1	5761.9	6582.1	violation
625.6	11-Sep-03	80244	871.7	3003.5	3875.2	violation
670.7	18-May-99	54700	618.0		insufficient data	
670.7	27-Jul-99	17700	635.9	164.2	800.1	violation
670.7	1-May-00	146000	63.8	4138.3	4202.0	violation
670.7	4-Nov-03	91661	598.0	1428.5	2026.6	violation
717.4	19-May-99	66200	455.7		insufficient data	
717.4	28-Jul-99	19400	480.2	190.1	670.3	violation
717.4	2-May-00	126000	671.0	1894.6	2565.6	violation
717.4	17-Sep-03	34169	456.8	201.5	658.3	violation
722.5	20-May-99	57800	589.3		insufficient data	
722.5	29-Jul-99	35400	482.3	208.0	690.3	violation
722.5	3-May-00	95500	711.2	2213.9	2925.1	violation
722.5	16-Sep-03	45938	696.1	508.2	1204.3	violation
765.0	7-May-02	365000	868.7	6589.8	7458.5	violation
765.0	22-Oct-02	35600	407.2	425.0	832.2	violation
765.0	17-May-03	303000	992.0	11611.5	12603.5	violation
770.0	9-May-02	370000	751.7	6424.6	7176.4	violation
770.0	23-Oct-02	35300	512.0	499.8	1011.9	violation
770.0	18-May-03	282000	1301.7	6278.0	7579.7	violation
847.0	13-May-02	228000	479.2	8207.5	8686.7	violation
847.0	25-Oct-02	49700	518.1	404.1	922.2	violation
847.0	20-May-03	201000	979.0	5480.0	6458.9	violation
917.0	16-May-02	491058	806.2	4833.4	5639.6	violation
917.0	30-Oct-02	80600	324.0	412.1	736.1	violation
917.0	29-May-03	268000	766.2	3611.3	4377.5	violation
943.0	19-May-02	773000	572.6	2469.9	3042.5	violation
943.0	2-Nov-02	215000	206.5	616.1	822.6	violation
943.0	1-Jun-03	230000	444.4	1843.5	2288.0	violation
948.0	20-May-02	767000	539.1	3009.8	3548.9	violation
948.0	3-Nov-02	223000	150.3	451.5	601.7	violation
948.0	2-Jun-03	217000	1403.3	4251.9	5655.2	violation
980.0	21-May-02	772000	636.8	1504.3	2141.0	violation
980.0	4-Nov-02	222000	284.9	1501.1	1786.0	violation
980.0	3-Jun-03	229000	42.1	6696.6	6738.7	violation

Appendix K: Mercury (Hg) levels detected in fish tissue samples
2003-2004

Mercury criteria: 0.3mg/kg

Year	Mile Point	Pool	Species	Sample Size	Hg (mg/kg)	Exceedences
2003	26.1	Montgomery	Channel catfish	3	0.0834	ok
2003	26.1	Montgomery	Sauger	5	0.121	ok
2003	31.7	Montgomery	Channel catfish	3	0.133	ok
2003	31.7	Montgomery	Common carp	5	0.198	ok
2003	31.7	Montgomery	Flathead catfish	3	0.125	ok
2003	31.7	Montgomery	Freshwater drum	5	0.147	ok
2003	31.7	Montgomery	Large Common carp	5	0.117	ok
2003	31.7	Montgomery	Sauger	5	0.0492	ok
2003	31.7	Montgomery	Walleye	6	0.118	ok
2003	54.4	New Cumberland	Black crappie	3	0.101	ok
2003	54.4	New Cumberland	Common carp	5	0.0482	ok
2003	54.4	New Cumberland	Freshwater drum	4	0.13	ok
2003	54.4	New Cumberland	Large Channel catfish	3	0.0564	ok
2003	54.4	New Cumberland	Sauger	5	0.162	ok
2003	54.4	New Cumberland	Small Channel catfish	3	0.108	ok
2003	54.4	New Cumberland	Smallmouth buffalo	4	0.229	ok
2003	84.2	Pike Island	Channel catfish	4	0.083	ok
2003	84.2	Pike Island	Flathead catfish	5	0.178	ok
2003	84.2	Pike Island	Freshwater drum	5	0.19	ok
2003	84.2	Pike Island	Large Common carp	5	0.215	ok
2003	84.2	Pike Island	Sauger	3	0.136	ok
2003	84.2	Pike Island	Small Channel catfish	5	0.0548	ok
2003	84.2	Pike Island	Small Common carp	4	0.0609	ok
2003	84.2	Pike Island	Walleye	3	0.124	ok
2003	84.2	Pike Island	White bass	5	0.208	ok
2003	100.0	Hannibal	Sauger	3	0.183	ok
2003	100.0	Hannibal	Small Channel catfish	3	0.16	ok
2003	203.9	Belleville	Channel catfish	3	0.0961	ok
2003	203.9	Belleville	Common carp	10	0.0565	ok
2003	203.9	Belleville	Flathead catfish	4	0.182	ok
2003	203.9	Belleville	Freshwater drum	5	0.215	ok
2003	203.9	Belleville	White bass	5	0.107	ok
2003	203.9	Belleville	White crappie	4	0.242	ok
2003	237.5	Racine	Bluegill	3	0.152	ok
2003	237.5	Racine	Common carp	3	0.0618	ok
2003	237.5	Racine	Freshwater drum	3	0.195	ok
2003	237.5	Racine	Hybrid striper	3	0.208	ok
2003	237.5	Racine	Large Channel catfish	3	0.139	ok
2003	237.5	Racine	Largemouth bass	3	0.18	ok
2003	237.5	Racine	Sauger	5	0.2	ok
2003	237.5	Racine	Small Channel catfish	4	0.051	ok
2003	237.5	Racine	Smallmouth buffalo	4	0.142	ok
2003	237.5	Racine	White crappie	1	0.285	ok
2003	279.2	RC Byrd	Black crappie	3	0.136	ok
2003	279.2	RC Byrd	Channel catfish	5	0.0845	ok
2003	279.2	RC Byrd	Common carp	5	0.205	ok
2003	279.2	RC Byrd	Flathead catfish	4	0.148	ok
2003	279.2	RC Byrd	Freshwater drum	5	0.192	ok
2003	279.2	RC Byrd	Hybrid striper	5	0.086	ok
2003	436.2	Meldahl	Channel catfish	5	0.139	ok
2004	436.2	Meldahl	Common carp	5	0.0664	ok
2004	436.2	Meldahl	Sauger	2	0.161	ok

Appendix K: Mercury (Hg) levels detected in fish tissue samples 2003-2004

Mercury criteria: 0.3mg/kg

Year	Mile Point	Pool	Species	Sample Size	Hg (mg/kg)	Exceedences
2004	439.8	Markland	Channel catfish	3	0.0467	ok
2004	439.8	Markland	Sauger	3	0.0857	ok
2004	531.5	Markland	Channel catfish	5	0.15	ok
2004	531.5	Markland	Common carp	5	0.0917	ok
2004	531.5	Markland	Freshwater drum	3	0.119	ok
2004	531.5	Markland	Common carp	5	0.0625	ok
2004	531.5	Markland	Crappie composite	3	0.0826	ok
2004	531.5	Markland	Freshwater drum	4	0.137	ok
2004	531.5	Markland	Hybrid striper	2	0.0609	ok
2004	531.5	Markland	Large Channel catfish	3	0.0588	ok
2004	531.5	Markland	Large Channel catfish	3	0.199	ok
2004	531.5	Markland	Sauger	3	0.195	ok
2004	531.5	Markland	Small Channel catfish	5	0.129	ok
2004	531.5	Markland	Smallmouth bass	2	0.0642	ok
2004	531.5	Markland	Smallmouth buffalo	3	0.287	ok
2004	577.5	McAlpine	Channel catfish	5	0.143	ok
2004	577.5	McAlpine	Sauger	3	0.0888	ok
2004	606.8	McAlpine	Channel catfish	5	0.111	ok
2004	606.8	McAlpine	Common carp	3	0.0804	ok
2004	606.8	McAlpine	Sauger	3	0.0954	ok
2004	720.7	Cannelton	Channel catfish	3	0.139	ok
2004	720.7	Cannelton	Common carp	3	0.0784	ok
2004	720.7	Cannelton	Sauger	3	0.0817	ok
2004	776.1	Newburgh	Channel catfish	4	0.204	ok
2004	776.1	Newburgh	Common carp	5	0.121	ok
2004	776.1	Newburgh	Hybrid striper	3	0.153	ok
2004	846.0	JT Myers	Channel catfish	5	0.0571	ok
2004	846.0	JT Myers	Common carp	5	0.198	ok
2004	846.0	Myers	Blue catfish	4	0.0747	ok
2004	846.0	Myers	Bluegill	1	0.11	ok
2004	846.0	Myers	Channel catfish	3	0.118	ok
2004	846.0	Myers	Common carp	3	0.0664	ok
2004	846.0	Myers	Freshwater drum	6	0.15	ok
2004	846.0	Myers	Hybrid striper	3	0.0603	ok
2004	846.0	Myers	Largemouth bass	1	0.148	ok
2004	846.0	Myers	Longear sunfish	3	0.0689	ok
2004	846.0	Myers	Quillback carpsucker	1	0.0682	ok
2004	846.0	Myers	Sauger	5	0.178	ok
2004	846.0	Myers	Small Channel catfish	3	0.195	ok
2004	846.0	Myers	Smallmouth buffalo	5	0.207	ok
2004	846.0	Myers	Spotted bass	1	0.129	ok
2004	890.0	Smithland	Channel catfish	3	0.194	ok
2004	890.0	Smithland	Sauger	4	0.219	ok
2004	918.5	Smithland	Channel catfish	4	0.0863	ok
2004	918.5	Smithland	Common carp	3	0.143	ok
2004	918.5	Smithland	Sauger	5	0.169	ok
2004	938.9	Pool 52	Channel catfish	4	0.0667	ok
2004	938.9	Pool 52	Common carp	4	0.189	ok
2004	976.0	Open Water	Channel catfish	4	0.0494	ok
2004	976.0	Open Water	Sauger	3	0.125	ok

< - Actual value is known to be less than the value shown.
E - Estimated value
* - Results unavailable as of 11/02/05
Provisional data (10/1/04-9/30/05)

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
USGS	12.0	3086000	10/28/2003	99	0.014	0.73	21.5	55.4	< .2
USGS	12.0	3086000	11/20/2003		E .007	0.98	10.7	38.4	< .2
USGS	12.0	3086000	11/25/2003		0.008	0.77	10.7	35.6	< .2
USGS	12.0	3086000	12/22/2003	98				61.6	
USGS	12.0	3086000	12/30/2003		0.016	0.84	20.0	48.2	< .2
USGS	12.0	3086000	1/5/2004		E .006	1.06	21.6	47.1	< .2
USGS	12.0	3086000	2/12/2004	93	E .007	0.97	30.7	60.9	< .2
USGS	12.0	3086000	3/29/2004		0.009	0.81	23.1	41.5	< .2
USGS	12.0	3086000	4/14/2004		0.008	0.85	15.3	44.9	< .2
USGS	12.0	3086000	4/26/2004	99	0.011	0.73	21.5	65.2	< .2
USGS	12.0	3086000	5/25/2004		0.013	0.67	10.0	34.3	< .2
USGS	12.0	3086000	6/30/2004		0.015	0.94	23.5	73.7	< .2
USGS	12.0	3086000	7/23/2004		0.010	0.83	18.0	47.2	< .2
USGS	12.0	3086000	7/28/2004		0.009	0.81	22.6	85.5	< .2
USGS	12.0	3086000	8/16/2004	110	0.008	0.83	23.9	69.5	< .2
USGS	12.0	3086000	9/10/2004		< .008	0.49	11.4	57.3	< .2
USGS	12.0	3086000	10/28/2004		*0.017*	*0.73*	*24.2*	*104.6*	*0.1*
USGS	12.0	3086000	11/29/2004					*59.6*	
USGS	12.0	3086000	12/16/2004		*0.013*	*0.68*	*16.4*	*41.2*	*0.1*
USGS	12.0	3086000	1/6/2005		*E .006*	*0.98*	*14.7*	*42.7*	*0.1*
USGS	12.0	3086000	1/20/2005					*39.4*	
USGS	12.0	3086000	1/31/2005		*0.026*	*0.82*	*32.6*	*77.2*	*0.1*
USGS	12.0	3086000	3/29/2005					*58.5*	
USGS	12.0	3086000	4/26/2005		*0.014*	*0.67*	*27.8*	*73.2*	*0.1*
USGS	12.0	3086000	5/16/2005		*0.016*	*0.79*	*30.2*	*71.7*	*0.1*
USGS	12.0	3086000	6/8/2005		*0.017*	*0.87*	*30.2*	*85.1*	*0.2*
USGS	12.0	3086000	6/30/2005		*0.024*	*1.05*	*37.9*	*95.1*	*0.2*
USGS	12.0	3086000	7/27/2005		*0.009*	*0.78*	*34.1*	*136.5*	*0.2*
USGS	12.0	3086000	8/1/2005		*0.013*	*0.75*	*34.2*	*107.7*	*0.2*
USGS	12.0	3086000	9/1/2005		*0.019*	*1.02*	*	*	*
USGS	341.0	3216600	11/5/2003	120	0.008	0.68	21.2	59.2	<0.2
USGS	341.0	3216600	12/17/2003	110	0.008	0.93	24.5	51.5	<0.2
USGS	341.0	3216600	1/15/2004	100	0.009	1.09	16.9	55.6	<0.2
USGS	341.0	3216600	2/24/2004	130	0.015	1.04	28.5	70.3	<0.2
USGS	341.0	3216600	3/11/2004	80	0.010	0.93	15.4	46.9	<0.2
USGS	341.0	3216600	3/23/2004	100	0.014	0.90	21.6	55.8	<0.2
USGS	341.0	3216600	4/28/2004	110	0.012	0.80	16.4	57.8	<0.2
USGS	341.0	3216600	5/3/2004	110	0.014	0.82	19.0	60.9	<0.2
USGS	341.0	3216600	5/11/2004	130	0.014	0.86	21.0	69.0	<0.2
USGS	341.0	3216600	5/26/2004	110	0.016	0.94	17.4	52.4	<0.2
USGS	341.0	3216600	6/8/2004	85	0.011	0.76	8.8	44.1	<0.2
USGS	341.0	3216600	6/29/2004	130	0.013	1.07	16.2	63.8	<0.2
USGS	341.0	3216600	7/20/2004	160	0.020	0.89	29.5	86.8	0.2
USGS	341.0	3216600	8/24/2004	110	0.010	0.74	20.3	50.9	<0.2
USGS	341.0	3216600	9/21/2004	80	0.019	0.82	13.3	40.1	0.2
USGS	341.0	3216600	11/15/2004	*110*	*E.005*	*0.64*	*16.2*	*65.7*	*0.1*
USGS	341.0	3216600	12/15/2004	*94*	*E.006*	*0.68*	*10.5*	*48.8*	*E 0.1*
USGS	341.0	3216600	1/11/2005	*83*	*E.006*	*0.80*	*10.2*	*42.5*	*0.1*
USGS	341.0	3216600	1/26/2005	*110*	*0.011*	*0.93*	*17.4*	*58.4*	*E 0.1*
USGS	341.0	3216600	3/10/2005	*110*	*0.008*	*0.81*	*25.9*	*57.1*	*E 0.1*
USGS	341.0	3216600	3/31/2005	*94*	*0.008*	*0.70*	*17.5*	*51.7*	*0.1*
USGS	341.0	3216600	4/21/2005	*110*	*E.005*	*0.72*	*17.5*	*62.1*	*0.1*
USGS	341.0	3216600	5/11/2005	*120*	*E.004*	*0.72*	*18.2*	*68.8*	*0.1*
USGS	341.0	3216600	5/24/2005	*130*	*0.008*	*0.66*	*21.8*	*73.7*	*0.1*
USGS	341.0	3216600	6/8/2005	*140*	*0.011*	*0.56*	*24.5*	*83.8*	*0.1*
USGS	341.0	3216600	6/22/2005	*150*	*0.013*	*0.57*	*26.0*	*93.0*	*0.2*
USGS	341.0	3216600	7/14/2005	*150*	*0.018*	*0.66*	*29.3*	*84.9*	*0.2*
USGS	341.0	3216600	8/5/2005	*160*	*0.014*	*0.54*	*36.8*	*95.3*	*0.2*
USGS	341.0	3216600	9/20/2005	*	*0.053*	*0.87*	*38.5*	*110.0*	*0.2*

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
USGS	720.7	3303280	11/4/2003	150	0.015	1.16	27.1	58.3	0.2
USGS	720.7	3303280	12/16/2003	130	0.008	1.13	16.6	48.5	<0.2
USGS	720.7	3303280	1/8/2004	110	0.019	0.93	14.7	35.4	<0.2
USGS	720.7	3303280	1/14/2004	120	0.009	1.20	14.2	39.0	<0.2
USGS	720.7	3303280	2/12/2004	110	E.007	0.89	23.1	52.3	<0.2
USGS	720.7	3303280	3/9/2004	140	0.015	1.23	28.2	54.8	<0.2
USGS	720.7	3303280	3/25/2004	120	0.015	1.13	24.4	50.1	<0.2
USGS	720.7	3303280	4/16/2004	130	0.016	1.05	21.3	48.8	<0.2
USGS	720.7	3303280	4/27/2004	130	0.024	1.00	15.9	41.8	<0.2
USGS	720.7	3303280	5/13/2004	150	0.022	1.33	19.8	52.1	<0.2
USGS	720.7	3303280	5/25/2004	160	0.020	1.38	24.5	60.2	0.2
USGS	720.7	3303280	6/3/2004	110	E.004	1.22	9.6	30.7	<0.2
USGS	720.7	3303280	7/1/2004	140	E.004	1.66	18.4	55.9	0.2
USGS	720.7	3303280	8/26/2004	150	0.024	1.17	28.8	71.0	0.2
USGS	720.7	3303280	9/23/2004	76	<.008	0.60	8.0	32.6	<0.2
USGS	720.7	3303280	11/17/2004	*140*	*0.016*	*0.84*	*17.3*	*59.5*	*0.1*
USGS	720.7	3303280	12/13/2004	*130*	*0.014*	*0.97*	*12.8*	*47.9*	*0.1*
USGS	720.7	3303280	1/13/2005	*110*	*0.012*	*1.06*	*13.9*	*39.8*	*0.1*
USGS	720.7	3303280	1/25/2004	*120*	*0.012*	*1.07*	*15.2*	*41.6*	*0.1*
USGS	720.7	3303280	3/8/2005	*130*	*0.010*	*1.04*	*21.0*	*57.7*	*0.1*
USGS	720.7	3303280	4/25/2005	*140*	*0.008*	*0.95*	*20.0*	*54.0*	*0.2*
USGS	720.7	3303280	5/9/2005	*120*	*0.018*	*1.06*	*14.6*	*48.4*	*0.1*
USGS	720.7	3303280	5/23/2005	*130*	*0.024*	*1.10*	*15.8*	*45.4*	*0.2*
USGS	720.7	3303280	6/7/2005	*160*	*0.014*	*0.88*	*24.3*	*70.0*	*0.2*
USGS	720.7	3303280	6/24/2005	*150*	*0.022*	*0.87*	*23.9*	*60.3*	*0.2*
USGS	720.7	3303280	7/13/2005	*170*	*0.032*	*0.85*	*31.7*	*76.8*	*0.2*
USGS	720.7	3303280	8/9/2005	*180*	*0.026*	*0.56*	*37.1*	*91.3*	*0.2*
USGS	720.7	3303280	9/22/2005	*	*0.116*	*0.93*	*34.6*	*80.1*	*0.3*
USGS	962.6	3612500	11/5/2003	130	0.008	0.89	16.6	42.4	<0.2
USGS	962.6	3612500	12/3/2003	130	0.009	1.25	11.6	31.9	<0.2
USGS	962.6	3612500	1/21/2004	140	0.009	1.48	13.2	36.3	<0.2
USGS	962.6	3612500	2/4/2004	140	0.008	1.15	12.9	37.8	<0.2
USGS	962.6	3612500	3/10/2004	130	0.018	1.23	20.4	43.9	<0.2
USGS	962.6	3612500	3/24/2004	120	0.014	1.13	14.2	38.0	<0.2
USGS	962.6	3612500	4/20/2004	130	0.024	1.00	19.8	48.8	<0.2
USGS	962.6	3612500	4/27/2004	120	0.024	0.92	13.4	40.9	<0.2
USGS	962.6	3612500	5/19/2004	130	0.015	1.03	14.6	37.3	<0.2
USGS	962.6	3612500	5/26/2004	160	E.006	1.28	22.6	60.8	<0.2
USGS	962.6	3612500	6/8/2004	110	0.011	1.38	9.2	28.7	<0.2
USGS	962.6	3612500	6/23/2004	130	<.008	1.89	12.5	34.6	<0.2
USGS	962.6	3612500	7/21/2004	120	0.014	0.86	13.9	35.5	<0.2
USGS	962.6	3612500	8/25/2004	140	0.009	0.50	19.3	47.6	<0.2
USGS	962.6	3612500	9/1/2004	110	0.030	0.52	13.7	33.6	<0.2
USGS	962.6	3612500	11/16/2004	*130*	*E.005*	*0.94*	*14.2*	*46.3*	*0.1*
USGS	962.6	3612500	12/14/2004	*100*	*0.008*	*0.98*	*7.9*	*27.6*	*0.1*
USGS	962.6	3612500	1/19/2005	*83*	*0.012*	*1.29*	*10.7*	*29.6*	*0.1*
USGS	962.6	3612500	1/25/2005	*110*	*0.008*	*1.19*	*9.9*	*29.3*	*0.1*
USGS	962.6	3612500	3/23/2005	*140*	*E.007*	*0.93*	*20.1*	*42.9*	*0.1*
USGS	962.6	3612500	4/6/2005	*120*	*0.009*	*1.00*	*18.1*	*47.1*	*0.1*
USGS	962.6	3612500	4/12/2005	*110*	*0.011*	*0.87*	*11.6*	*34.4*	*0.1*
USGS	962.6	3612500	4/19/2005	*130*	*0.013*	*0.94*	*13.8*	*37.8*	*0.1*
USGS	962.6	3612500	5/12/2005	*130*	*0.010*	*1.07*	*11.7*	*39.0*	*0.1*
USGS	962.6	3612500	5/25/2005	*140*	*0.016*	*1.32*	*16.5*	*47.0*	*0.1*
USGS	962.6	3612500	6/8/2005	*120*	*0.008*	*0.59*	*14.7*	*35.7*	*0.1*
USGS	962.6	3612500	6/22/2005	*140*	*0.061*	*1.70*	*16.5*	*43.5*	*0.2*
USGS	962.6	3612500	8/12/2005	*96*	*0.017*	*0.18*	*14.7*	*29.7*	*0.1*
USGS	962.6	3612500	9/8/2005	*	*0.010*	*0.34*	*14.3*	*33.6*	*0.14*

< - Actual value is known to be less than the
E - Estimated value
* - Results unavailable as of 11/02/05
Provisional data (10/1/04-9/30/05)

					CLEAN METALS (TOTAL)		
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Lindane (ug/L)**	**Ni (ug/L)**	**Cu (ug/L)**	**Zn (ug/L)**
CRITERIA				**0.019ug/L (HH)**	**610 ug/L (HH)**	**1300 ug/L (HH)**	**7400 ug/L (HH)**
USGS	12.0	3086000	10/28/2003	< .004			
USGS	12.0	3086000	11/20/2003	< .004			
USGS	12.0	3086000	11/25/2003	< .004			
USGS	12.0	3086000	12/22/2003				
USGS	12.0	3086000	12/30/2003	< .004			
USGS	12.0	3086000	1/5/2004	< .004			
USGS	12.0	3086000	2/12/2004	< .004			
USGS	12.0	3086000	3/29/2004	< .004			
USGS	12.0	3086000	4/14/2004	< .004			
USGS	12.0	3086000	4/26/2004	< .004			
USGS	12.0	3086000	5/25/2004	< .004			
USGS	12.0	3086000	6/30/2004	< .004			
USGS	12.0	3086000	7/23/2004	< .004			
USGS	12.0	3086000	7/28/2004	< .004			
USGS	12.0	3086000	8/16/2004	< .004			
USGS	12.0	3086000	9/10/2004	< .004			
USGS	12.0	3086000	10/28/2004	*< .004*			
USGS	12.0	3086000	11/29/2004	*< .004*			
USGS	12.0	3086000	12/16/2004	*< .004*			
USGS	12.0	3086000	1/6/2005	*< .004*			
USGS	12.0	3086000	1/20/2005	*< .004*			
USGS	12.0	3086000	1/31/2005	*< .004*			
USGS	12.0	3086000	3/29/2005	*< .004*			
USGS	12.0	3086000	4/26/2005	*< .004*			
USGS	12.0	3086000	5/16/2005	*< .004*			
USGS	12.0	3086000	6/8/2005	*< .004*			
USGS	12.0	3086000	6/30/2005	*< .004*			
USGS	12.0	3086000	7/27/2005	*< .004*			
USGS	12.0	3086000	8/1/2005	*< .004*			
USGS	12.0	3086000	9/1/2005	*< .004*			
USGS	341.0	3216600	11/5/2003	<.004			
USGS	341.0	3216600	12/17/2003	<.004			
USGS	341.0	3216600	1/15/2004	<.004			
USGS	341.0	3216600	2/24/2004	<.004			
USGS	341.0	3216600	3/11/2004	<.004			
USGS	341.0	3216600	3/23/2004	<.004			
USGS	341.0	3216600	4/28/2004	<.004			
USGS	341.0	3216600	5/3/2004	<.004			
USGS	341.0	3216600	5/11/2004	<.004			
USGS	341.0	3216600	5/26/2004	<.004			
USGS	341.0	3216600	6/8/2004	<.004			
USGS	341.0	3216600	6/29/2004	<.004			
USGS	341.0	3216600	7/20/2004	<.004			
USGS	341.0	3216600	8/24/2004	<.004			
USGS	341.0	3216600	9/21/2004	<.004			
USGS	341.0	3216600	11/15/2004	*<.004*			
USGS	341.0	3216600	12/15/2004	*<.004*			
USGS	341.0	3216600	1/11/2005	*<.004*			
USGS	341.0	3216600	1/26/2005	*<.004*			
USGS	341.0	3216600	3/10/2005	*<.004*			
USGS	341.0	3216600	3/31/2005	*<.004*			
USGS	341.0	3216600	4/21/2005	*<.004*			
USGS	341.0	3216600	5/11/2005	*<.004*			
USGS	341.0	3216600	5/24/2005	*<.004*			
USGS	341.0	3216600	6/8/2005	*<.004*			
USGS	341.0	3216600	6/22/2005	*<.004*			
USGS	341.0	3216600	7/14/2005	*<.004*			
USGS	341.0	3216600	8/5/2005	*			
USGS	341.0	3216600	9/20/2005	*			

					CLEAN METALS (TOTAL)		
Data Source	Mile Point	USGS Site Number	Date	Lindane (ug/L)	Ni (ug/L)	Cu (ug/L)	Zn (ug/L)
CRITERIA				0.019ug/L (HH)	610 ug/L (HH)	1300 ug/L (HH)	7400 ug/L (HH)
USGS	720.7	3303280	11/4/2003	<.004			
USGS	720.7	3303280	12/16/2003	<.004			
USGS	720.7	3303280	1/8/2004	<.004			
USGS	720.7	3303280	1/14/2004	<.004			
USGS	720.7	3303280	2/12/2004	<.004			
USGS	720.7	3303280	3/9/2004	<.004			
USGS	720.7	3303280	3/25/2004	<.004			
USGS	720.7	3303280	4/16/2004	<.004			
USGS	720.7	3303280	4/27/2004	<.004			
USGS	720.7	3303280	5/13/2004	<.004			
USGS	720.7	3303280	5/25/2004	<.004			
USGS	720.7	3303280	6/3/2004	<.004			
USGS	720.7	3303280	7/1/2004	<.004			
USGS	720.7	3303280	8/26/2004	<.004			
USGS	720.7	3303280	9/23/2004	<.004			
USGS	720.7	3303280	11/17/2004	*<.004*			
USGS	720.7	3303280	12/13/2004				
USGS	720.7	3303280	1/13/2005	*<.004*			
USGS	720.7	3303280	1/25/2004	*<.004*			
USGS	720.7	3303280	3/8/2005	*<.004*			
USGS	720.7	3303280	4/25/2005	*<.004*			
USGS	720.7	3303280	5/9/2005	*<.004*			
USGS	720.7	3303280	5/23/2005	*<.004*			
USGS	720.7	3303280	6/7/2005	*<.004*			
USGS	720.7	3303280	6/24/2005	*<.004*			
USGS	720.7	3303280	7/13/2005	*<.004*			
USGS	720.7	3303280	8/9/2005	*			
USGS	720.7	3303280	9/22/2005	*			
USGS	962.6	3612500	11/5/2003	<.004			
USGS	962.6	3612500	12/3/2003	<.004			
USGS	962.6	3612500	1/21/2004	<.004			
USGS	962.6	3612500	2/4/2004	<.004			
USGS	962.6	3612500	3/10/2004	<.004			
USGS	962.6	3612500	3/24/2004	<.004			
USGS	962.6	3612500	4/20/2004	<.004			
USGS	962.6	3612500	4/27/2004	<.004			
USGS	962.6	3612500	5/19/2004	<.004			
USGS	962.6	3612500	5/26/2004	<.004			
USGS	962.6	3612500	6/8/2004	<.004			
USGS	962.6	3612500	6/23/2004	<.004			
USGS	962.6	3612500	7/21/2004	<.004			
USGS	962.6	3612500	8/25/2004	<.004			
USGS	962.6	3612500	9/1/2004	<.004			
USGS	962.6	3612500	11/16/2004	*<.004*			
USGS	962.6	3612500	12/14/2004	*<.004*			
USGS	962.6	3612500	1/19/2005	*<.004*			
USGS	962.6	3612500	1/25/2005	*<.004*			
USGS	962.6	3612500	3/23/2005	*<.004*			
USGS	962.6	3612500	4/6/2005	*<.004*			
USGS	962.6	3612500	4/12/2005	*<.004*			
USGS	962.6	3612500	4/19/2005	*<.004*			
USGS	962.6	3612500	5/12/2005	*<.004*			
USGS	962.6	3612500	5/25/2005	*<.004*			
USGS	962.6	3612500	6/8/2005	*<.004*			
USGS	962.6	3612500	6/22/2005	*<.004*			
USGS	962.6	3612500	8/12/2005	*			
USGS	962.6	3612500	9/8/2005	*			

< - Actual value is known to be less than the
E - Estimated value
* - Results unavailable as of 11/02/05
Provisional data (10/1/04-9/30/05)

				CLEAN METALS (DISSOLVED)							
Data Source	Mile Point	USGS Site Number	Date	Arsenic (mg/L)	Cd (ug/L)	Cd criteria	Cr (ug/L)	Cu (ug/L)	Cu criteria	Pb (ug/L)	Pb criteria
CRITERIA				150 ug/L (AL)		(AL)	11 ug/L (AL)		(AL)		(AL)
USGS	12.0	3086000	10/28/2003	0.3	< .04	3.98	< .8	1.7	11.37	< .08	2.49
USGS	12.0	3086000	11/20/2003	0.3	< .04		< .8	1.3		< .08	
USGS	12.0	3086000	11/25/2003	0.3	< .04		< .8	1.1		E .05	
USGS	12.0	3086000	12/22/2003			3.95			11.28		2.46
USGS	12.0	3086000	12/30/2003	E .2	0.11		< .8	2.2		< .08	
USGS	12.0	3086000	1/5/2004	0.2	E .03		< .8	1.4		0.1	
USGS	12.0	3086000	2/12/2004	< .2		3.80			10.78		2.33
USGS	12.0	3086000	3/29/2004	E .2							
USGS	12.0	3086000	4/14/2004	0.3							
USGS	12.0	3086000	4/26/2004	0.2		3.98			11.37		2.49
USGS	12.0	3086000	5/25/2004	0.3							
USGS	12.0	3086000	6/30/2004	0.3							
USGS	12.0	3086000	7/23/2004	0.5							
USGS	12.0	3086000	7/28/2004	0.5							
USGS	12.0	3086000	8/16/2004	0.4		4.30			12.45		2.79
USGS	12.0	3086000	9/10/2004	0.5							
USGS	12.0	3086000	10/28/2004								
USGS	12.0	3086000	11/29/2004								
USGS	12.0	3086000	12/16/2004								
USGS	12.0	3086000	1/6/2005								
USGS	12.0	3086000	1/20/2005								
USGS	12.0	3086000	1/31/2005								
USGS	12.0	3086000	3/29/2005								
USGS	12.0	3086000	4/26/2005								
USGS	12.0	3086000	5/16/2005								
USGS	12.0	3086000	6/8/2005								
USGS	12.0	3086000	6/30/2005								
USGS	12.0	3086000	7/27/2005								
USGS	12.0	3086000	8/1/2005								
USGS	12.0	3086000	9/1/2005								
USGS	341.0	3216600	11/5/2003	0.4		4.59			13.41		3.07
USGS	341.0	3216600	12/17/2003	0.4		4.30			12.45		2.79
USGS	341.0	3216600	1/15/2004	0.3		4.01			11.47		2.52
USGS	341.0	3216600	2/24/2004	0.2		4.87			14.36		3.34
USGS	341.0	3216600	3/11/2004	0.2		3.40			9.48		1.97
USGS	341.0	3216600	3/23/2004	E.2		4.01			11.47		2.52
USGS	341.0	3216600	4/28/2004	0.4		4.30			12.45		2.79
USGS	341.0	3216600	5/3/2004	0.4		4.30			12.45		2.79
USGS	341.0	3216600	5/11/2004	0.4		4.87			14.36		3.34
USGS	341.0	3216600	5/26/2004	0.6		4.30			12.45		2.79
USGS	341.0	3216600	6/8/2004	0.4		3.56			9.98		2.11
USGS	341.0	3216600	6/29/2004	0.6		4.87			14.36		3.34
USGS	341.0	3216600	7/20/2004	0.7		5.67			17.14		4.18
USGS	341.0	3216600	8/24/2004	0.6		4.30			12.45		2.79
USGS	341.0	3216600	9/21/2004	0.5		3.40			9.48		1.97
USGS	341.0	3216600	11/15/2004	*0.3*		4.30			12.45		2.79
USGS	341.0	3216600	12/15/2004	*0.3*		3.83			10.88		2.35
USGS	341.0	3216600	1/11/2005	*0.4*		3.49			9.78		2.05
USGS	341.0	3216600	1/26/2005	*0.2*		4.30			12.45		2.79
USGS	341.0	3216600	3/10/2005	*E.1*		4.30			12.45		2.79
USGS	341.0	3216600	3/31/2005	*0.4*		3.83			10.88		2.35
USGS	341.0	3216600	4/21/2005	*0.3*		4.30			12.45		2.79
USGS	341.0	3216600	5/11/2005	*0.3*		4.59			13.41		3.07
USGS	341.0	3216600	5/24/2005	*0.4*		4.87			14.36		3.34
USGS	341.0	3216600	6/8/2005	*0.3*		5.14			15.29		3.62
USGS	341.0	3216600	6/22/2005	*0.6*		5.41			16.22		3.90
USGS	341.0	3216600	7/14/2005	*0.6*		5.41			16.22		3.90
USGS	341.0	3216600	8/5/2005	*0.7*		5.67			17.14		4.18
USGS	341.0	3216600	9/20/2005	*							

				CLEAN METALS (DISSOLVED)							
Data Source	Mile Point	USGS Site Number	Date	Arsenic (mg/L)	Cd (ug/L)	Cd criteria	Cr (ug/L)	Cu (ug/L)	Cu criteria	Pb (ug/L)	Pb criteria
CRITERIA				150 ug/L (AL)		(AL)	11 ug/L (AL)		(AL)		(AL)
USGS	720.7	3303280	11/4/2003	0.7		5.41			16.22		3.90
USGS	720.7	3303280	12/16/2003	0.5		4.87			14.36		3.34
USGS	720.7	3303280	1/8/2004	0.5		4.30			12.45		2.79
USGS	720.7	3303280	1/14/2004	0.5		4.59			13.41		3.07
USGS	720.7	3303280	2/12/2004	0.3		4.30			12.45		2.79
USGS	720.7	3303280	3/9/2004	0.5		5.14			15.29		3.62
USGS	720.7	3303280	3/25/2004	0.3		4.59			13.41		3.07
USGS	720.7	3303280	4/16/2004	0.4		4.87			14.36		3.34
USGS	720.7	3303280	4/27/2004	0.6		4.87			14.36		3.34
USGS	720.7	3303280	5/13/2004	0.5		5.41			16.22		3.90
USGS	720.7	3303280	5/25/2004	0.8		5.67			17.14		4.18
USGS	720.7	3303280	6/3/2004	0.6		4.30			12.45		2.79
USGS	720.7	3303280	7/1/2004	0.7		5.14			15.29		3.62
USGS	720.7	3303280	8/26/2004	0.9		5.41			16.22		3.90
USGS	720.7	3303280	9/23/2004	0.5		3.27			9.07		1.86
USGS	720.7	3303280	11/17/2004	*0.6*		5.14			15.29		3.62
USGS	720.7	3303280	12/13/2004	*0.5*		4.87			14.36		3.34
USGS	720.7	3303280	1/13/2005	*0.6*		4.30			12.45		2.79
USGS	720.7	3303280	1/25/2004	*0.4*		4.59			13.41		3.07
USGS	720.7	3303280	3/8/2005	*0.2*		4.87			14.36		3.34
USGS	720.7	3303280	4/25/2005	*0.5*		5.14			15.29		3.62
USGS	720.7	3303280	5/9/2005	*0.3*		4.59			13.41		3.07
USGS	720.7	3303280	5/23/2005	*0.5*		4.87			14.36		3.34
USGS	720.7	3303280	6/7/2005	*0.4*		5.67			17.14		4.18
USGS	720.7	3303280	6/24/2005	*0.7*		5.41			16.22		3.90
USGS	720.7	3303280	7/13/2005	*0.8*		5.93			18.05		4.46
USGS	720.7	3303280	8/9/2005	*1*		6.19			18.96		4.74
USGS	720.7	3303280	9/22/2005	*							
USGS	962.6	3612500	11/5/2003	0.8	<.04	4.87	<.8	1.4	14.36	<.08	3.34
USGS	962.6	3612500	12/3/2003	0.6		4.87			14.36		3.34
USGS	962.6	3612500	1/21/2004	0.6	<.04	5.14	<.8	1.4	15.29	<.08	3.62
USGS	962.6	3612500	2/4/2004	0.5	<.04	5.14	<.8	1	15.29	<.08	3.62
USGS	962.6	3612500	3/10/2004	0.4	<.04	4.87	<.8	1.2	14.36	<.08	3.34
USGS	962.6	3612500	3/24/2004	0.4	<.04	4.59	<.8	1.1	13.41	<.08	3.07
USGS	962.6	3612500	4/20/2004	0.4	<.04	4.87	<.8	1.3	14.36	<.08	3.34
USGS	962.6	3612500	4/27/2004	0.4		4.59			13.41		3.07
USGS	962.6	3612500	5/19/2004	0.6	<.04	4.87	<.8	1.4	14.36	E.07	3.34
USGS	962.6	3612500	5/26/2004	0.7	E.02	5.67	<.8	1.8	17.14	<.08	4.18
USGS	962.6	3612500	6/8/2004	0.7	<.04	4.30	E.4	2.1	12.45	<.08	2.79
USGS	962.6	3612500	6/23/2004	0.7	<.04	4.87	<.8	1.8	14.36	<.08	3.34
USGS	962.6	3612500	7/21/2004	1	<.04	4.59	<.8	1.6	13.41	<.08	3.07
USGS	962.6	3612500	8/25/2004	0.9	<.04	5.14	<.8	1.7	15.29	<.08	3.62
USGS	962.6	3612500	9/1/2004	1.1	<.04	4.30	<.8	1.6	12.45	<.08	2.79
USGS	962.6	3612500	11/16/2004	*0.7*	*<.04*	4.87	*<.8*	*1.7*	14.36	*E.06*	3.34
USGS	962.6	3612500	12/14/2004	*0.9*		4.01			11.47		2.52
USGS	962.6	3612500	1/19/2005	*0.5*		3.49			9.78		2.05
USGS	962.6	3612500	1/25/2005	*0.5*		4.30			12.45		2.79
USGS	962.6	3612500	3/23/2005	*0.4*		5.14			15.29		3.62
USGS	962.6	3612500	4/6/2005	*0.5*		4.59			13.41		3.07
USGS	962.6	3612500	4/12/2005	*0.4*		4.30			12.45		2.79
USGS	962.6	3612500	4/19/2005	*0.5*		4.87			14.36		3.34
USGS	962.6	3612500	5/12/2005	*0.5*		4.87			14.36		3.34
USGS	962.6	3612500	5/25/2005	*0.6*	*E.02*	5.14	*<.8*	*1.4*	15.29	*<.08*	3.62
USGS	962.6	3612500	6/8/2005	*0.6*		4.59			13.41		3.07
USGS	962.6	3612500	6/22/2005	*0.9*	*E.02*	5.14	*<.8*	*1.7*	15.29	*<.08*	3.62
USGS	962.6	3612500	8/12/2005	*1.2*	*<.04*	3.89	*<.8*	*1.4*	11.08	*<.08*	2.41
USGS	962.6	3612500	9/8/2005	*8*	*<.04*		*	*		*<.08*	

< - Actual value is known to be less than the
E - Estimated value
* - Results unavailable as of 11/02/05
Provisional data (10/1/04-9/30/05)

				CLEAN METALS (DISSOLVED)					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Ni (ug/L)**	**Ni criteria (AL)**	**Ag (ug/L)**	**Ag criteria (AL)**	**Zn (ug/L) 7400 ug/L (HH)**	**Sb (ug/L) 5.6 ug/L (HH)**
CRITERIA									
USGS	12.0	3086000	10/28/2003	3.93	51.10	< .2	3.39	2.7	< .20
USGS	12.0	3086000	11/20/2003	2.28		< .2		0.9	E .12
USGS	12.0	3086000	11/25/2003	2.6		< .2		1.3	< .20
USGS	12.0	3086000	12/22/2003		50.67		3.33		
USGS	12.0	3086000	12/30/2003	5.01		< .2		7.9	< .20
USGS	12.0	3086000	1/5/2004	3.69		< .2		2.3	< .20
USGS	12.0	3086000	2/12/2004		48.47		3.05		
USGS	12.0	3086000	3/29/2004						
USGS	12.0	3086000	4/14/2004						
USGS	12.0	3086000	4/26/2004		51.10		3.39		
USGS	12.0	3086000	5/25/2004						
USGS	12.0	3086000	6/30/2004						
USGS	12.0	3086000	7/23/2004						
USGS	12.0	3086000	7/28/2004						
USGS	12.0	3086000	8/16/2004		55.87		4.06		
USGS	12.0	3086000	9/10/2004						
USGS	12.0	3086000	10/28/2004						
USGS	12.0	3086000	11/29/2004						
USGS	12.0	3086000	12/16/2004						
USGS	12.0	3086000	1/6/2005						
USGS	12.0	3086000	1/20/2005						
USGS	12.0	3086000	1/31/2005						
USGS	12.0	3086000	3/29/2005						
USGS	12.0	3086000	4/26/2005						
USGS	12.0	3086000	5/16/2005						
USGS	12.0	3086000	6/8/2005						
USGS	12.0	3086000	6/30/2005						
USGS	12.0	3086000	7/27/2005						
USGS	12.0	3086000	8/1/2005						
USGS	12.0	3086000	9/1/2005						
USGS	341.0	3216600	11/5/2003		60.14		4.72		
USGS	341.0	3216600	12/17/2003		55.87		4.06		
USGS	341.0	3216600	1/15/2004		51.54		3.45		
USGS	341.0	3216600	2/24/2004		64.35		5.42		
USGS	341.0	3216600	3/11/2004		42.67		2.35		
USGS	341.0	3216600	3/23/2004		51.54		3.45		
USGS	341.0	3216600	4/28/2004		55.87		4.06		
USGS	341.0	3216600	5/3/2004		55.87		4.06		
USGS	341.0	3216600	5/11/2004		64.35		5.42		
USGS	341.0	3216600	5/26/2004		55.87		4.06		
USGS	341.0	3216600	6/8/2004		44.92		2.61		
USGS	341.0	3216600	6/29/2004		64.35		5.42		
USGS	341.0	3216600	7/20/2004		76.71		7.74		
USGS	341.0	3216600	8/24/2004		55.87		4.06		
USGS	341.0	3216600	9/21/2004		42.67		2.35		
USGS	341.0	3216600	11/15/2004		55.87		4.06		
USGS	341.0	3216600	12/15/2004		48.91		3.10		
USGS	341.0	3216600	1/11/2005		44.02		2.50		
USGS	341.0	3216600	1/26/2005		55.87		4.06		
USGS	341.0	3216600	3/10/2005		55.87		4.06		
USGS	341.0	3216600	3/31/2005		48.91		3.10		
USGS	341.0	3216600	4/21/2005		55.87		4.06		
USGS	341.0	3216600	5/11/2005		60.14		4.72		
USGS	341.0	3216600	5/24/2005		64.35		5.42		
USGS	341.0	3216600	6/8/2005		68.51		6.15		
USGS	341.0	3216600	6/22/2005		72.63		6.93		
USGS	341.0	3216600	7/14/2005		72.63		6.93		
USGS	341.0	3216600	8/5/2005		76.71		7.74		
USGS	341.0	3216600	9/20/2005						

				CLEAN METALS (DISSOLVED)					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Ni (ug/L)**	**Ni criteria (AL)**	**Ag (ug/L)**	**Ag criteria (AL)**	**Zn (ug/L)**	**Sb (ug/L)**
CRITERIA								**7400 ug/L (HH)**	**5.6 ug/L (HH)**
USGS	720.7	3303280	11/4/2003		72.63		6.93		
USGS	720.7	3303280	12/16/2003		64.35		5.42		
USGS	720.7	3303280	1/8/2004		55.87		4.06		
USGS	720.7	3303280	1/14/2004		60.14		4.72		
USGS	720.7	3303280	2/12/2004		55.87		4.06		
USGS	720.7	3303280	3/9/2004		68.51		6.15		
USGS	720.7	3303280	3/25/2004		60.14		4.72		
USGS	720.7	3303280	4/16/2004		64.35		5.42		
USGS	720.7	3303280	4/27/2004		64.35		5.42		
USGS	720.7	3303280	5/13/2004		72.63		6.93		
USGS	720.7	3303280	5/25/2004		76.71		7.74		
USGS	720.7	3303280	6/3/2004		55.87		4.06		
USGS	720.7	3303280	7/1/2004		68.51		6.15		
USGS	720.7	3303280	8/26/2004		72.63		6.93		
USGS	720.7	3303280	9/23/2004		40.86		2.15		
USGS	720.7	3303280	11/17/2004		68.51		6.15		
USGS	720.7	3303280	12/13/2004		64.35		5.42		
USGS	720.7	3303280	1/13/2005		55.87		4.06		
USGS	720.7	3303280	1/25/2004		60.14		4.72		
USGS	720.7	3303280	3/8/2005		64.35		5.42		
USGS	720.7	3303280	4/25/2005		68.51		6.15		
USGS	720.7	3303280	5/9/2005		60.14		4.72		
USGS	720.7	3303280	5/23/2005		64.35		5.42		
USGS	720.7	3303280	6/7/2005		76.71		7.74		
USGS	720.7	3303280	6/24/2005		72.63		6.93		
USGS	720.7	3303280	7/13/2005		80.74		8.59		
USGS	720.7	3303280	8/9/2005		84.74		9.48		
USGS	720.7	3303280	9/22/2005						
USGS	962.6	3612500	11/5/2003	1.41	64.35	<0.2	5.42	<.6	E.16
USGS	962.6	3612500	12/3/2003		64.35		5.42		
USGS	962.6	3612500	1/21/2004	1.92	68.51	<0.2	6.15	0.7	E.10
USGS	962.6	3612500	2/4/2004	1.49	68.51	<0.2	6.15	E.5	E.10
USGS	962.6	3612500	3/10/2004	1.74	64.35	<0.2	5.42	E.5	E.10
USGS	962.6	3612500	3/24/2004	1.4	60.14	<0.2	4.72	1.9	<0.20
USGS	962.6	3612500	4/20/2004	1.24	64.35	<0.2	5.42	E.5	E.11
USGS	962.6	3612500	4/27/2004		60.14		4.72		
USGS	962.6	3612500	5/19/2004	1.22	64.35	<0.2	5.42	0.6	E.10
USGS	962.6	3612500	5/26/2004	1.83	76.71	<0.2	7.74	0.7	E.13
USGS	962.6	3612500	6/8/2004	1.73	55.87	<0.2	4.06	E.4	E.12
USGS	962.6	3612500	6/23/2004	1.5	64.35	<0.2	5.42	0.6	E.14
USGS	962.6	3612500	7/21/2004	1.34	60.14	<0.2	4.72	E.4	E.18
USGS	962.6	3612500	8/25/2004	1.87	68.51	<0.2	6.15	0.7	E.16
USGS	962.6	3612500	9/1/2004	1.22	55.87	<0.2	4.06	E.4	E.15
USGS	962.6	3612500	11/16/2004	*1.01*	64.35	*<0.2*	5.42	*0.8*	*<0.20*
USGS	962.6	3612500	12/14/2004		51.54		3.45		
USGS	962.6	3612500	1/19/2005		44.02		2.50		
USGS	962.6	3612500	1/25/2005		55.87		4.06		
USGS	962.6	3612500	3/23/2005		68.51		6.15		
USGS	962.6	3612500	4/6/2005		60.14		4.72		
USGS	962.6	3612500	4/12/2005		55.87		4.06		
USGS	962.6	3612500	4/19/2005		64.35		5.42		
USGS	962.6	3612500	5/12/2005		64.35		5.42		
USGS	962.6	3612500	5/25/2005	*2.35*	68.51	*<0.2*	6.15	*0.7*	*E.12*
USGS	962.6	3612500	6/8/2005		60.14		4.72		
USGS	962.6	3612500	6/22/2005	*2.68*	68.51	*<0.2*	6.15	*1.4*	*E.15*
USGS	962.6	3612500	8/12/2005	*1.64*	49.79	*<0.2*	3.22	*0.6*	*0.21*
USGS	962.6	3612500	9/8/2005	*		*		*	*

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
Bayer	121.5		10/2/2003						
Bayer	121.5		11/6/2003						
Bayer	121.5		12/4/2003						
Bayer	121.5		1/8/2004						
Bayer	121.5		2/5/2004						
Bayer	121.5		3/4/2004						
Bayer	121.5		4/1/2004						
Bayer	121.5		5/6/2004						
Bayer	121.5		6/3/2004						
Bayer	121.5		7/1/2004						
Bayer	121.5		8/5/2004						
Bayer	121.5		9/2/2004						
Bayer	121.5		10/7/2004						
Bayer	121.5		11/4/2004						
Bayer	121.5		12/2/2004						
Bayer	121.5		1/6/2005						
Bayer	121.5		2/3/2005						
Bayer	121.5		3/3/2005						
Bayer	121.5		4/7/2005						
Bayer	121.5		5/5/2005						
Bayer	121.5		6/2/2005						
Bayer	121.5		7/7/2005						
Bayer	121.5		8/4/2005						
Weirton Steel	61.7		1/13/2004	78.4					
Weirton Steel	61.7		3/22/2004	-					
Weirton Steel	61.7		3/29/2004	-					
Weirton Steel	61.7		4/5/2004	83.2					
Weirton Steel	61.7		4/12/2004	-					
Weirton Steel	61.7		4/19/2004	-					
Weirton Steel	61.7		4/26/2004	-					
Weirton Steel	61.7		7/8/2004	140.0					
Weirton Steel	61.7		10/4/2004	102.0					
Weirton Steel	61.7		1/3/2005	86.0					
Weirton Steel	61.7		4/4/2005	82.0					
Weirton Steel	61.7		4/12/2005	70.0					
Weirton Steel	61.7		7/6/2005	86.0					
Evansville Water Utility	792.0		10/1/2003				19	50	
Evansville Water Utility	792.0		10/2/2003				17	55	
Evansville Water Utility	792.0		10/3/2003				16	45	
Evansville Water Utility	792.0		10/4/2003				19	66	
Evansville Water Utility	792.0		10/5/2003				20	67	
Evansville Water Utility	792.0		10/6/2003				23	58	
Evansville Water Utility	792.0		10/7/2003				17	45	
Evansville Water Utility	792.0		10/8/2003				28	59	
Evansville Water Utility	792.0		10/9/2003				24	64	
Evansville Water Utility	792.0		10/10/2003				20	59	
Evansville Water Utility	792.0		10/11/2003				23	66	
Evansville Water Utility	792.0		10/12/2003				25	79	
Evansville Water Utility	792.0		10/13/2003				24	70	
Evansville Water Utility	792.0		10/14/2003				21	65	
Evansville Water Utility	792.0		10/15/2003				20	59	
Evansville Water Utility	792.0		10/16/2003				22	56	
Evansville Water Utility	792.0		10/17/2003				19	56	
Evansville Water Utility	792.0		10/18/2003				21	68	
Evansville Water Utility	792.0		10/19/2003				23	65	
Evansville Water Utility	792.0		10/20/2003				20	60	
Evansville Water Utility	792.0		10/21/2003				24	76	
Evansville Water Utility	792.0		10/22/2003				22	67	
Evansville Water Utility	792.0		10/23/2003				24	63	
Evansville Water Utility	792.0		10/24/2003				36	88	
Evansville Water Utility	792.0		10/25/2003				25	69	
Evansville Water Utility	792.0		10/26/2003				25	71	
Evansville Water Utility	792.0		10/27/2003				23	57	
Evansville Water Utility	792.0		10/28/2003				26	64	
Evansville Water Utility	792.0		10/29/2003				24	59	
Evansville Water Utility	792.0		10/30/2003				23	62	
Evansville Water Utility	792.0		10/31/2003				24	63	
Evansville Water Utility	792.0		11/1/2003				26	67	
Evansville Water Utility	792.0		11/2/2003				24	70	
Evansville Water Utility	792.0		11/3/2003				28	75	

					CLEAN METALS (TOTAL)		
Data Source	Mile Point	USGS Site Number	Date	Lindane (ug/L)	Ni (ug/L)	Cu (ug/L)	Zn (ug/L)
CRITERIA				0.019ug/L (HH)	610 ug/L (HH)	1300 ug/L (HH)	7400 ug/L (HH)
Bayer	121.5		10/2/2003		<5.00	12.90	9.91
Bayer	121.5		11/6/2003		<5.00	<5.00	36.10
Bayer	121.5		12/4/2003		<5.00	<5.00	<5.00
Bayer	121.5		1/8/2004		12.20	28.50	88.10
Bayer	121.5		2/5/2004		10.30	<5.00	30.40
Bayer	121.5		3/4/2004		7.18	19.20	23.20
Bayer	121.5		4/1/2004		<5.00	6.07	9.55
Bayer	121.5		5/6/2004		<5.00	23.90	5.52
Bayer	121.5		6/3/2004		<5.00	62.90	<5.00
Bayer	121.5		7/1/2004		<5.00	8.62	<5.00
Bayer	121.5		8/5/2004		<5.00	12.90	<5.00
Bayer	121.5		9/2/2004		<5.00	<5.00	<5.00
Bayer	121.5		10/7/2004		<5.00	6.40	<5.00
Bayer	121.5		11/4/2004		<5.00	<5.00	<5.00
Bayer	121.5		12/2/2004		5.59	<5.00	16.50
Bayer	121.5		1/6/2005		14.90	17.10	65.10
Bayer	121.5		2/3/2005		6.51	16.90	14.70
Bayer	121.5		3/3/2005		5.07	<5.00	8.51
Bayer	121.5		4/7/2005		5.27	9.25	14.70
Bayer	121.5		5/5/2005		5.04	14.20	5.85
Bayer	121.5		6/2/2005		<5.00	48.30	<5.00
Bayer	121.5		7/7/2005		<5.00	9.20	<5.00
Bayer	121.5		8/4/2005		<5.00	7.75	<5.00
Weirton Steel	61.7		1/13/2004			4.50	22.80
Weirton Steel	61.7		3/22/2004			-	-
Weirton Steel	61.7		3/29/2004			-	-
Weirton Steel	61.7		4/5/2004			4.40	26.80
Weirton Steel	61.7		4/12/2004			-	-
Weirton Steel	61.7		4/19/2004			-	-
Weirton Steel	61.7		4/26/2004			-	-
Weirton Steel	61.7		7/8/2004			136.00	20.00
Weirton Steel	61.7		10/4/2004			1.00	8.00
Weirton Steel	61.7		1/3/2005			0.60	7.40
Weirton Steel	61.7		4/4/2005			0.60	23.70
Weirton Steel	61.7		4/12/2005			0.77	7.80
Weirton Steel	61.7		7/6/2005			4.90	22.10
Evansville Water Utility	792.0		10/1/2003				
Evansville Water Utility	792.0		10/2/2003				
Evansville Water Utility	792.0		10/3/2003				
Evansville Water Utility	792.0		10/4/2003				
Evansville Water Utility	792.0		10/5/2003				
Evansville Water Utility	792.0		10/6/2003				
Evansville Water Utility	792.0		10/7/2003				
Evansville Water Utility	792.0		10/8/2003				
Evansville Water Utility	792.0		10/9/2003				
Evansville Water Utility	792.0		10/10/2003				
Evansville Water Utility	792.0		10/11/2003				
Evansville Water Utility	792.0		10/12/2003				
Evansville Water Utility	792.0		10/13/2003				
Evansville Water Utility	792.0		10/14/2003				
Evansville Water Utility	792.0		10/15/2003				
Evansville Water Utility	792.0		10/16/2003				
Evansville Water Utility	792.0		10/17/2003				
Evansville Water Utility	792.0		10/18/2003				
Evansville Water Utility	792.0		10/19/2003				
Evansville Water Utility	792.0		10/20/2003				
Evansville Water Utility	792.0		10/21/2003				
Evansville Water Utility	792.0		10/22/2003				
Evansville Water Utility	792.0		10/23/2003				
Evansville Water Utility	792.0		10/24/2003				
Evansville Water Utility	792.0		10/25/2003				
Evansville Water Utility	792.0		10/26/2003				
Evansville Water Utility	792.0		10/27/2003				
Evansville Water Utility	792.0		10/28/2003				
Evansville Water Utility	792.0		10/29/2003				
Evansville Water Utility	792.0		10/30/2003				
Evansville Water Utility	792.0		10/31/2003				
Evansville Water Utility	792.0		11/1/2003				
Evansville Water Utility	792.0		11/2/2003				
Evansville Water Utility	792.0		11/3/2003				

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		11/4/2003				24	61	
Evansville Water Utility	792.0		11/5/2003				25	67	
Evansville Water Utility	792.0		11/6/2003				28	65	
Evansville Water Utility	792.0		11/7/2003				22	59	
Evansville Water Utility	792.0		11/8/2003				26	68	
Evansville Water Utility	792.0		11/9/2003				26	77	
Evansville Water Utility	792.0		11/10/2003				25	72	
Evansville Water Utility	792.0		11/11/2003				27	66	
Evansville Water Utility	792.0		11/12/2003				28	78	
Evansville Water Utility	792.0		11/13/2003				25	69	
Evansville Water Utility	792.0		11/14/2003				17	51	
Evansville Water Utility	792.0		11/15/2003				21	75	
Evansville Water Utility	792.0		11/16/2003				17	72	
Evansville Water Utility	792.0		11/17/2003				21	65	
Evansville Water Utility	792.0		11/18/2003				14	56	
Evansville Water Utility	792.0		11/19/2003				15	46	
Evansville Water Utility	792.0		11/20/2003				14	44	
Evansville Water Utility	792.0		11/21/2003				13	38	
Evansville Water Utility	792.0		11/22/2003				14	39	
Evansville Water Utility	792.0		11/23/2003				14	43	
Evansville Water Utility	792.0		11/24/2003				14	47	
Evansville Water Utility	792.0		11/25/2003				14	48	
Evansville Water Utility	792.0		11/26/2003				10	47	
Evansville Water Utility	792.0		11/27/2003				12	46	
Evansville Water Utility	792.0		11/28/2003				13	44	
Evansville Water Utility	792.0		11/29/2003				14	52	
Evansville Water Utility	792.0		11/30/2003				14	53	
Evansville Water Utility	792.0		12/1/2003				15	41	
Evansville Water Utility	792.0		12/2/2003				15	42	
Evansville Water Utility	792.0		12/3/2003				17	47	
Evansville Water Utility	792.0		12/4/2003				16	38	
Evansville Water Utility	792.0		12/5/2003				17	55	
Evansville Water Utility	792.0		12/6/2003				13	50	
Evansville Water Utility	792.0		12/7/2003				14	58	
Evansville Water Utility	792.0		12/8/2003				16	49	
Evansville Water Utility	792.0		12/9/2003				12	50	
Evansville Water Utility	792.0		12/10/2003				16	56	
Evansville Water Utility	792.0		12/11/2003				17	52	
Evansville Water Utility	792.0		12/12/2003				15	49	
Evansville Water Utility	792.0		12/13/2003				20	49	
Evansville Water Utility	792.0		12/14/2003				17	55	
Evansville Water Utility	792.0		12/15/2003				16	47	
Evansville Water Utility	792.0		12/16/2003				19	58	
Evansville Water Utility	792.0		12/17/2003				18	57	
Evansville Water Utility	792.0		12/18/2003				14	54	
Evansville Water Utility	792.0		12/19/2003				15	56	
Evansville Water Utility	792.0		12/20/2003				15	50	
Evansville Water Utility	792.0		12/21/2003				18	63	
Evansville Water Utility	792.0		12/22/2003				22	59	
Evansville Water Utility	792.0		12/23/2003				19	56	
Evansville Water Utility	792.0		12/24/2003				19	57	
Evansville Water Utility	792.0		12/25/2003				27	69	
Evansville Water Utility	792.0		12/26/2003				27	67	
Evansville Water Utility	792.0		12/27/2003				19	51	
Evansville Water Utility	792.0		12/28/2003				20	62	
Evansville Water Utility	792.0		12/29/2003				22	61	
Evansville Water Utility	792.0		12/30/2003				19	51	
Evansville Water Utility	792.0		12/31/2003				23	62	
Evansville Water Utility	792.0		01/01/04				23	59	
Evansville Water Utility	792.0		01/02/04				24	58	
Evansville Water Utility	792.0		01/03/04				19	66	
Evansville Water Utility	792.0		01/04/04				22	62	
Evansville Water Utility	792.0		01/05/04				20	52	
Evansville Water Utility	792.0		01/06/04				22	65	
Evansville Water Utility	792.0		01/07/04				22	48	
Evansville Water Utility	792.0		01/08/04				30	45	
Evansville Water Utility	792.0		01/09/04				16	40	
Evansville Water Utility	792.0		01/10/04				16	52	
Evansville Water Utility	792.0		01/11/04				14	45	
Evansville Water Utility	792.0		01/12/04				17	54	
Evansville Water Utility	792.0		01/13/04				16	49	
Evansville Water Utility	792.0		01/14/04				15	39	
Evansville Water Utility	792.0		01/15/04				16	47	
Evansville Water Utility	792.0		01/16/04				19	54	
Evansville Water Utility	792.0		01/17/04				15	49	

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		01/18/04				16	48	
Evansville Water Utility	792.0		01/19/04				18	67	
Evansville Water Utility	792.0		01/20/04				18	58	
Evansville Water Utility	792.0		01/21/04				12	39	
Evansville Water Utility	792.0		01/22/04				21	70	
Evansville Water Utility	792.0		01/23/04				18	68	
Evansville Water Utility	792.0		01/24/04				21	62	
Evansville Water Utility	792.0		01/25/04				22	57	
Evansville Water Utility	792.0		01/26/04				21	57	
Evansville Water Utility	792.0		01/27/04				25	57	
Evansville Water Utility	792.0		01/28/04				20	65	
Evansville Water Utility	792.0		01/29/04				18	63	
Evansville Water Utility	792.0		01/30/04				17	56	
Evansville Water Utility	792.0		01/31/04				16	60	
Evansville Water Utility	792.0		02/01/04				18	70	
Evansville Water Utility	792.0		02/02/04				18	65	
Evansville Water Utility	792.0		02/03/04				19	60	
Evansville Water Utility	792.0		02/04/04				17	65	
Evansville Water Utility	792.0		02/05/04				24	64	
Evansville Water Utility	792.0		02/06/04				22	54	
Evansville Water Utility	792.0		02/07/04				26	53	
Evansville Water Utility	792.0		02/08/04				28	63	
Evansville Water Utility	792.0		02/09/04				28	59	
Evansville Water Utility	792.0		02/10/04				32	62	
Evansville Water Utility	792.0		02/11/04				25	64	
Evansville Water Utility	792.0		02/12/04				25	64	
Evansville Water Utility	792.0		02/13/04				23	52	
Evansville Water Utility	792.0		02/14/04				21	68	
Evansville Water Utility	792.0		02/15/04				25	61	
Evansville Water Utility	792.0		02/16/04				33	77	
Evansville Water Utility	792.0		02/17/04				26	61	
Evansville Water Utility	792.0		02/18/04				27	50	
Evansville Water Utility	792.0		02/19/04				25	57	
Evansville Water Utility	792.0		02/20/04				25	52	
Evansville Water Utility	792.0		02/21/04				30	71	
Evansville Water Utility	792.0		02/22/04				30	54	
Evansville Water Utility	792.0		02/23/04				30	52	
Evansville Water Utility	792.0		02/24/04				25	47	
Evansville Water Utility	792.0		02/25/04				25	54	
Evansville Water Utility	792.0		02/26/04				27	59	
Evansville Water Utility	792.0		02/27/04				22	52	
Evansville Water Utility	792.0		02/28/04				25	57	
Evansville Water Utility	792.0		02/29/04				29	62	
Evansville Water Utility	792.0		03/01/04				34	58	
Evansville Water Utility	792.0		03/02/04				25	60	
Evansville Water Utility	792.0		03/03/04				25	62	
Evansville Water Utility	792.0		03/04/04				24	65	
Evansville Water Utility	792.0		03/05/04				21	60	
Evansville Water Utility	792.0		03/06/04				26	68	
Evansville Water Utility	792.0		03/07/04				30	59	
Evansville Water Utility	792.0		03/08/04				26	60	
Evansville Water Utility	792.0		03/09/04				29	65	
Evansville Water Utility	792.0		03/10/04				25	60	
Evansville Water Utility	792.0		03/11/04				25	64	
Evansville Water Utility	792.0		03/12/04				23	71	
Evansville Water Utility	792.0		03/13/04				20	53	
Evansville Water Utility	792.0		03/14/04				19	56	
Evansville Water Utility	792.0		03/15/04				21	56	
Evansville Water Utility	792.0		03/16/04				22	56	
Evansville Water Utility	792.0		03/17/04				19	57	
Evansville Water Utility	792.0		03/18/04				16	61	
Evansville Water Utility	792.0		03/19/04				14	43	
Evansville Water Utility	792.0		03/20/04				15	52	
Evansville Water Utility	792.0		03/21/04				16	62	
Evansville Water Utility	792.0		03/22/04				16	56	
Evansville Water Utility	792.0		03/23/04				15	52	
Evansville Water Utility	792.0		03/24/04				23	47	
Evansville Water Utility	792.0		03/25/04				19	42	
Evansville Water Utility	792.0		03/26/04				20	49	
Evansville Water Utility	792.0		03/27/04				23	64	
Evansville Water Utility	792.0		03/28/04				22	55	
Evansville Water Utility	792.0		03/29/04				19	54	
Evansville Water Utility	792.0		03/30/04				17	50	
Evansville Water Utility	792.0		03/31/04				19	57	
Evansville Water Utility	792.0		04/01/04				22	71	

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
Evansville Water Utility	792.0		04/02/04				21	53	
Evansville Water Utility	792.0		04/03/04				25	67	
Evansville Water Utility	792.0		04/04/04				32	61	
Evansville Water Utility	792.0		04/05/04				31	58	
Evansville Water Utility	792.0		04/06/04				29	56	
Evansville Water Utility	792.0		04/07/04				21	49	
Evansville Water Utility	792.0		04/08/04				25	50	
Evansville Water Utility	792.0		04/09/04				25	67	
Evansville Water Utility	792.0		04/10/04				24	56	
Evansville Water Utility	792.0		04/11/04				16	56	
Evansville Water Utility	792.0		04/12/04				16	52	
Evansville Water Utility	792.0		04/13/04				19	52	
Evansville Water Utility	792.0		04/14/04				19	49	
Evansville Water Utility	792.0		04/15/04				18	61	
Evansville Water Utility	792.0		04/16/04				19	51	
Evansville Water Utility	792.0		04/17/04				18	50	
Evansville Water Utility	792.0		04/18/04				17	52	
Evansville Water Utility	792.0		04/19/04				14	52	
Evansville Water Utility	792.0		04/20/04				13	51	
Evansville Water Utility	792.0		04/21/04				17	50	
Evansville Water Utility	792.0		04/22/04				14	50	
Evansville Water Utility	792.0		04/23/04				9	32	
Evansville Water Utility	792.0		04/24/04				16	49	
Evansville Water Utility	792.0		04/25/04				15	59	
Evansville Water Utility	792.0		04/26/04				15	50	
Evansville Water Utility	792.0		04/27/04				11	46	
Evansville Water Utility	792.0		04/28/04				12	45	
Evansville Water Utility	792.0		04/29/04				13	45	
Evansville Water Utility	792.0		04/30/04				15	46	
Evansville Water Utility	792.0		05/01/04				14	46	
Evansville Water Utility	792.0		05/02/04				13	52	
Evansville Water Utility	792.0		05/03/04				13	42	
Evansville Water Utility	792.0		05/04/04				13	44	
Evansville Water Utility	792.0		05/05/04				15	57	
Evansville Water Utility	792.0		05/06/04				15	52	
Evansville Water Utility	792.0		05/07/04				17	51	
Evansville Water Utility	792.0		05/08/04				15	45	
Evansville Water Utility	792.0		05/09/04				14	50	
Evansville Water Utility	792.0		05/10/04				14	51	
Evansville Water Utility	792.0		05/11/04				25	51	
Evansville Water Utility	792.0		05/12/04				9	46	
Evansville Water Utility	792.0		05/13/04				9	50	
Evansville Water Utility	792.0		05/14/04				9	52	
Evansville Water Utility	792.0		05/15/04				14	53	
Evansville Water Utility	792.0		05/16/04				16	62	
Evansville Water Utility	792.0		05/17/04				9	63	
Evansville Water Utility	792.0		05/18/04				12	59	
Evansville Water Utility	792.0		05/19/04				8	59	
Evansville Water Utility	792.0		05/20/04				10	61	
Evansville Water Utility	792.0		05/21/04				12	59	
Evansville Water Utility	792.0		05/22/04				16	56	
Evansville Water Utility	792.0		05/23/04				17	62	
Evansville Water Utility	792.0		05/24/04				11	66	
Evansville Water Utility	792.0		05/25/04				12	62	
Evansville Water Utility	792.0		05/26/04				17	58	
Evansville Water Utility	792.0		05/27/04				10	56	
Evansville Water Utility	792.0		05/28/04				12	54	
Evansville Water Utility	792.0		05/29/04				14	55	
Evansville Water Utility	792.0		05/30/04				14	49	
Evansville Water Utility	792.0		05/31/04				8	41	
Evansville Water Utility	792.0		06/01/04				7	43	
Evansville Water Utility	792.0		06/02/04				10	58	
Evansville Water Utility	792.0		06/03/04				9	62	
Evansville Water Utility	792.0		06/04/04				8	42	
Evansville Water Utility	792.0		06/05/04				10	41	
Evansville Water Utility	792.0		06/06/04				9	41	
Evansville Water Utility	792.0		06/07/04				7	34	
Evansville Water Utility	792.0		06/08/04				7	34	
Evansville Water Utility	792.0		06/09/04				8	44	
Evansville Water Utility	792.0		06/10/04				8	44	
Evansville Water Utility	792.0		06/11/04				8	44	
Evansville Water Utility	792.0		06/12/04				8	59	
Evansville Water Utility	792.0		06/13/04				9	41	
Evansville Water Utility	792.0		06/14/04				9	43	
Evansville Water Utility	792.0		06/15/04				11	38	

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
Evansville Water Utility	792.0		06/16/04				8	49	
Evansville Water Utility	792.0		06/17/04				9	46	
Evansville Water Utility	792.0		06/18/04				9	45	
Evansville Water Utility	792.0		06/19/04				10	51	
Evansville Water Utility	792.0		06/20/04				12	51	
Evansville Water Utility	792.0		06/21/04				9	53	
Evansville Water Utility	792.0		06/22/04				6	51	
Evansville Water Utility	792.0		06/23/04				12	47	
Evansville Water Utility	792.0		06/24/04				11	45	
Evansville Water Utility	792.0		06/25/04				11	46	
Evansville Water Utility	792.0		06/26/04				11	48	
Evansville Water Utility	792.0		06/27/04				10	51	
Evansville Water Utility	792.0		06/28/04				11	50	
Evansville Water Utility	792.0		06/29/04				7	52	
Evansville Water Utility	792.0		06/30/04				10	51	
Evansville Water Utility	792.0		07/01/04				12	53	
Evansville Water Utility	792.0		07/02/04				20	56	
Evansville Water Utility	792.0		07/03/04				16	56	
Evansville Water Utility	792.0		07/04/04				13	62	
Evansville Water Utility	792.0		07/05/04				11	66	
Evansville Water Utility	792.0		07/06/04				10	52	
Evansville Water Utility	792.0		07/07/04				11	55	
Evansville Water Utility	792.0		07/08/04				12	57	
Evansville Water Utility	792.0		07/09/04				10	61	
Evansville Water Utility	792.0		07/10/04				13	58	
Evansville Water Utility	792.0		07/11/04				14	59	
Evansville Water Utility	792.0		07/12/04				13	59	
Evansville Water Utility	792.0		07/13/04				12	57	
Evansville Water Utility	792.0		07/14/04				13	56	
Evansville Water Utility	792.0		07/15/04				14	56	
Evansville Water Utility	792.0		07/16/04				10	63	
Evansville Water Utility	792.0		07/17/04				14	56	
Evansville Water Utility	792.0		07/18/04				14	62	
Evansville Water Utility	792.0		07/19/04				12	53	
Evansville Water Utility	792.0		07/20/04				12	50	
Evansville Water Utility	792.0		07/21/04				12	55	
Evansville Water Utility	792.0		07/22/04				16	59	
Evansville Water Utility	792.0		07/23/04				11	54	
Evansville Water Utility	792.0		07/24/04				16	56	
Evansville Water Utility	792.0		07/25/04				16	57	
Evansville Water Utility	792.0		07/26/04				10	51	
Evansville Water Utility	792.0		07/27/04				12	48	
Evansville Water Utility	792.0		07/28/04				13	50	
Evansville Water Utility	792.0		07/29/04				13	59	
Evansville Water Utility	792.0		07/30/04				13	57	
Evansville Water Utility	792.0		07/31/04				15	64	
Evansville Water Utility	792.0		08/01/04				19	64	
Evansville Water Utility	792.0		08/02/04				16	63	
Evansville Water Utility	792.0		08/03/04				19	63	
Evansville Water Utility	792.0		08/04/04				17	68	
Evansville Water Utility	792.0		08/05/04				20	63	
Evansville Water Utility	792.0		08/06/04				21	71	
Evansville Water Utility	792.0		08/07/04				22	73	
Evansville Water Utility	792.0		08/08/04				18	71	
Evansville Water Utility	792.0		08/09/04				17	69	
Evansville Water Utility	792.0		08/10/04				15	60	
Evansville Water Utility	792.0		08/11/04				14	55	
Evansville Water Utility	792.0		08/12/04				15	66	
Evansville Water Utility	792.0		08/13/04				14	62	
Evansville Water Utility	792.0		08/14/04				15	62	
Evansville Water Utility	792.0		08/15/04				17	63	
Evansville Water Utility	792.0		08/16/04				22	63	
Evansville Water Utility	792.0		08/17/04				15	62	
Evansville Water Utility	792.0		08/18/04				17	68	
Evansville Water Utility	792.0		08/19/04				16	69	
Evansville Water Utility	792.0		08/20/04				11	71	
Evansville Water Utility	792.0		08/21/04				12	79	
Evansville Water Utility	792.0		08/22/04				14	100	
Evansville Water Utility	792.0		08/23/04				14	75	
Evansville Water Utility	792.0		08/24/04				14	69	
Evansville Water Utility	792.0		08/25/04				15	64	
Evansville Water Utility	792.0		08/26/04				18	78	
Evansville Water Utility	792.0		08/27/04				13	63	
Evansville Water Utility	792.0		08/28/04				17	75	
Evansville Water Utility	792.0		08/29/04				18	78	

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		08/30/04				14	67	
Evansville Water Utility	792.0		08/31/04				16	71	
Evansville Water Utility	792.0		09/01/04				15	70	
Evansville Water Utility	792.0		09/02/04				16	73	
Evansville Water Utility	792.0		09/03/04				13	74	
Evansville Water Utility	792.0		09/04/04				18	72	
Evansville Water Utility	792.0		09/05/04				17	69	
Evansville Water Utility	792.0		09/06/04				14	79	
Evansville Water Utility	792.0		09/07/04				12	73	
Evansville Water Utility	792.0		09/08/04				16	72	
Evansville Water Utility	792.0		09/09/04				13	70	
Evansville Water Utility	792.0		09/10/04				16	71	
Evansville Water Utility	792.0		09/11/04				13	78	
Evansville Water Utility	792.0		09/12/04				16	82	
Evansville Water Utility	792.0		09/13/04				17	55	
Evansville Water Utility	792.0		09/14/04				13	50	
Evansville Water Utility	792.0		09/15/04				13	43	
Evansville Water Utility	792.0		09/16/04				12	41	
Evansville Water Utility	792.0		09/17/04				12	45	
Evansville Water Utility	792.0		09/18/04				13	76	
Evansville Water Utility	792.0		09/19/04				11	72	
Evansville Water Utility	792.0		09/20/04				11	48	
Evansville Water Utility	792.0		09/21/04				9	55	
Evansville Water Utility	792.0		09/22/04				8	52	
Evansville Water Utility	792.0		09/23/04				8	42	
Evansville Water Utility	792.0		09/24/04				8	39	
Evansville Water Utility	792.0		09/25/04				6	39	
Evansville Water Utility	792.0		09/26/04				9	43	
Evansville Water Utility	792.0		09/27/04				11	45	
Evansville Water Utility	792.0		09/28/04				11	47	
Evansville Water Utility	792.0		09/29/04				9	46	
Evansville Water Utility	792.0		09/30/04				9	46	
Evansville Water Utility	792.0		10/01/04				9	45	
Evansville Water Utility	792.0		10/02/04				9	47	
Evansville Water Utility	792.0		10/03/04				8	46	
Evansville Water Utility	792.0		10/04/04				9	47	
Evansville Water Utility	792.0		10/05/04				10	46	
Evansville Water Utility	792.0		10/06/04				9	48	
Evansville Water Utility	792.0		10/07/04				5	46	
Evansville Water Utility	792.0		10/08/04				7	45	
Evansville Water Utility	792.0		10/09/04				10	48	
Evansville Water Utility	792.0		10/10/04				10	50	
Evansville Water Utility	792.0		10/11/04				9	47	
Evansville Water Utility	792.0		10/12/04				10	47	
Evansville Water Utility	792.0		10/13/04				10	48	
Evansville Water Utility	792.0		10/14/04				10	48	
Evansville Water Utility	792.0		10/15/04				12	51	
Evansville Water Utility	792.0		10/16/04				9	48	
Evansville Water Utility	792.0		10/17/04				12	49	
Evansville Water Utility	792.0		10/18/04				9	48	
Evansville Water Utility	792.0		10/19/04				10	50	
Evansville Water Utility	792.0		10/20/04				12	55	
Evansville Water Utility	792.0		10/21/04				11	41	
Evansville Water Utility	792.0		10/22/04				12	37	
Evansville Water Utility	792.0		10/23/04				9	46	
Evansville Water Utility	792.0		10/24/04				10	45	
Evansville Water Utility	792.0		10/25/04				12	51	
Evansville Water Utility	792.0		10/26/04				11	45	
Evansville Water Utility	792.0		10/27/04				12	47	
Evansville Water Utility	792.0		10/28/04				12	50	
Evansville Water Utility	792.0		10/29/04				12	32	
Evansville Water Utility	792.0		10/30/04				10	52	
Evansville Water Utility	792.0		10/31/04				11	56	
Evansville Water Utility	792.0		11/01/04				11	54	
Evansville Water Utility	792.0		11/02/04				9	45	
Evansville Water Utility	792.0		11/03/04				10	59	
Evansville Water Utility	792.0		11/04/04				10	55	
Evansville Water Utility	792.0		11/05/04				9	61	
Evansville Water Utility	792.0		11/06/04				11	55	
Evansville Water Utility	792.0		11/07/04				10	55	
Evansville Water Utility	792.0		11/08/04				11	63	
Evansville Water Utility	792.0		11/09/04				9	50	
Evansville Water Utility	792.0		11/10/04				11	56	
Evansville Water Utility	792.0		11/11/04				10	57	
Evansville Water Utility	792.0		11/12/04				9	61	

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		11/13/04				11	57	
Evansville Water Utility	792.0		11/14/04				11	56	
Evansville Water Utility	792.0		11/15/04				11	42	
Evansville Water Utility	792.0		11/16/04				11	52	
Evansville Water Utility	792.0		11/17/04				10	52	
Evansville Water Utility	792.0		11/18/04				10	51	
Evansville Water Utility	792.0		11/19/04				12	54	
Evansville Water Utility	792.0		11/20/04				12	64	
Evansville Water Utility	792.0		11/21/04				9	51	
Evansville Water Utility	792.0		11/22/04				8	50	
Evansville Water Utility	792.0		11/23/04				10	56	
Evansville Water Utility	792.0		11/24/04				11	56	
Evansville Water Utility	792.0		11/25/04				10	54	
Evansville Water Utility	792.0		11/26/04				11	53	
Evansville Water Utility	792.0		11/27/04				10	54	
Evansville Water Utility	792.0		11/28/04				12	52	
Evansville Water Utility	792.0		11/29/04				10	52	
Evansville Water Utility	792.0		11/30/04				9	51	
Evansville Water Utility	792.0		12/01/04				9	46	
Evansville Water Utility	792.0		12/02/04				12	54	
Evansville Water Utility	792.0		12/03/04				9	51	
Evansville Water Utility	792.0		12/04/04				9	47	
Evansville Water Utility	792.0		12/05/04				9	47	
Evansville Water Utility	792.0		12/06/04				7	50	
Evansville Water Utility	792.0		12/07/04				10	52	
Evansville Water Utility	792.0		12/08/04				11	57	
Evansville Water Utility	792.0		12/09/04				11	54	
Evansville Water Utility	792.0		12/10/04				10	55	
Evansville Water Utility	792.0		12/11/04				8	48	
Evansville Water Utility	792.0		12/12/04				9	47	
Evansville Water Utility	792.0		12/13/04				10	53	
Evansville Water Utility	792.0		12/14/04				10	48	
Evansville Water Utility	792.0		12/15/04				10	42	
Evansville Water Utility	792.0		12/16/04				10	52	
Evansville Water Utility	792.0		12/17/04				9	51	
Evansville Water Utility	792.0		12/18/04				8	52	
Evansville Water Utility	792.0		12/19/04				11	48	
Evansville Water Utility	792.0		12/20/04				10	45	
Evansville Water Utility	792.0		12/21/04				10	50	
Evansville Water Utility	792.0		12/22/04				8	45	
Evansville Water Utility	792.0		12/23/04				9	45	
Evansville Water Utility	792.0		12/24/04				9	45	
Evansville Water Utility	792.0		12/25/04				8	49	
Evansville Water Utility	792.0		12/26/04				9	46	
Evansville Water Utility	792.0		12/27/04				8	46	
Evansville Water Utility	792.0		12/28/04				10	44	
Evansville Water Utility	792.0		12/29/04				10	47	
Evansville Water Utility	792.0		12/30/04				12	47	
Evansville Water Utility	792.0		12/31/04				11	50	
Evansville Water Utility	792.0		01/01/05				11	50	
Evansville Water Utility	792.0		01/02/05				12	48	
Evansville Water Utility	792.0		01/03/05				11	47	
Evansville Water Utility	792.0		01/04/05				13	45	
Evansville Water Utility	792.0		01/05/05				15	47	
Evansville Water Utility	792.0		01/06/05				15	40	
Evansville Water Utility	792.0		01/07/05				12	45	
Evansville Water Utility	792.0		01/08/05				11	37	
Evansville Water Utility	792.0		01/09/05				14	34	
Evansville Water Utility	792.0		01/10/05				14	35	
Evansville Water Utility	792.0		01/11/05				13	37	
Evansville Water Utility	792.0		01/12/05				12	40	
Evansville Water Utility	792.0		01/13/05				11	40	
Evansville Water Utility	792.0		01/14/05				11	37	
Evansville Water Utility	792.0		01/15/05				10	36	
Evansville Water Utility	792.0		01/16/05				12	37	
Evansville Water Utility	792.0		01/17/05				10	33	
Evansville Water Utility	792.0		01/18/05				11	39	
Evansville Water Utility	792.0		01/19/05				10	38	
Evansville Water Utility	792.0		01/20/05				10	37	
Evansville Water Utility	792.0		01/21/05				14	41	
Evansville Water Utility	792.0		01/22/05				10	37	
Evansville Water Utility	792.0		01/23/05				9	37	
Evansville Water Utility	792.0		01/24/05				8	31	
Evansville Water Utility	792.0		01/25/05				12	39	
Evansville Water Utility	792.0		01/26/05				13	40	

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		01/27/05				10	42	
Evansville Water Utility	792.0		01/28/05				14	37	
Evansville Water Utility	792.0		01/29/05				11	42	
Evansville Water Utility	792.0		01/30/05				12	45	
Evansville Water Utility	792.0		01/31/05				14	43	
Evansville Water Utility	792.0		02/01/05				14	51	
Evansville Water Utility	792.0		02/02/05				14	51	
Evansville Water Utility	792.0		02/03/05				12	50	
Evansville Water Utility	792.0		02/04/05				15	47	
Evansville Water Utility	792.0		02/05/05				12	48	
Evansville Water Utility	792.0		02/06/05				15	54	
Evansville Water Utility	792.0		02/07/05				11	47	
Evansville Water Utility	792.0		02/08/05				15	52	
Evansville Water Utility	792.0		02/09/05				15	48	
Evansville Water Utility	792.0		02/10/05				15	50	
Evansville Water Utility	792.0		02/11/05				15	52	
Evansville Water Utility	792.0		02/12/05				16	54	
Evansville Water Utility	792.0		02/13/05				12	50	
Evansville Water Utility	792.0		02/14/05				16	51	
Evansville Water Utility	792.0		02/15/05				13	48	
Evansville Water Utility	792.0		02/16/05				14	52	
Evansville Water Utility	792.0		02/17/05				13	48	
Evansville Water Utility	792.0		02/18/05				12	55	
Evansville Water Utility	792.0		02/19/05				16	51	
Evansville Water Utility	792.0		02/20/05				18	55	
Evansville Water Utility	792.0		02/21/05				19	64	
Evansville Water Utility	792.0		02/22/05				18	56	
Evansville Water Utility	792.0		02/23/05				20	54	
Evansville Water Utility	792.0		02/24/05				17	46	
Evansville Water Utility	792.0		02/25/05				16	50	
Evansville Water Utility	792.0		02/26/05				14	52	
Evansville Water Utility	792.0		02/27/05				17	50	
Evansville Water Utility	792.0		02/28/05				17	57	
Evansville Water Utility	792.0		03/01/05				15	55	
Evansville Water Utility	792.0		03/02/05				12	58	
Evansville Water Utility	792.0		03/03/05				13	54	
Evansville Water Utility	792.0		03/04/05				13	57	
Evansville Water Utility	792.0		03/05/05				12	52	
Evansville Water Utility	792.0		03/06/05				17	52	
Evansville Water Utility	792.0		03/07/05				12	51	
Evansville Water Utility	792.0		03/08/05				15	55	
Evansville Water Utility	792.0		03/09/05				14	54	
Evansville Water Utility	792.0		03/10/05				13	58	
Evansville Water Utility	792.0		03/11/05				17	49	
Evansville Water Utility	792.0		03/12/05				19	46	
Evansville Water Utility	792.0		03/13/05				17	46	
Evansville Water Utility	792.0		03/14/05				15	49	
Evansville Water Utility	792.0		03/15/05				13	52	
Evansville Water Utility	792.0		03/16/05				14	53	
Evansville Water Utility	792.0		03/17/05				14	51	
Evansville Water Utility	792.0		03/18/05				19	50	
Evansville Water Utility	792.0		03/19/05				19	48	
Evansville Water Utility	792.0		03/20/05				19	49	
Evansville Water Utility	792.0		03/21/05				20	52	
Evansville Water Utility	792.0		03/22/05				17	49	
Evansville Water Utility	792.0		03/23/05				19	52	
Evansville Water Utility	792.0		03/24/05				17	50	
Evansville Water Utility	792.0		03/25/05				18	60	
Evansville Water Utility	792.0		03/26/05				50	17	
Evansville Water Utility	792.0		03/27/05				19	53	
Evansville Water Utility	792.0		03/28/05				18	58	
Evansville Water Utility	792.0		03/29/05				13	51	
Evansville Water Utility	792.0		03/30/05				15	49	
Evansville Water Utility	792.0		03/31/05				19	44	
Evansville Water Utility	792.0		04/01/05				19	33	
Evansville Water Utility	792.0		04/02/05				12	34	
Evansville Water Utility	792.0		04/03/05				15	44	
Evansville Water Utility	792.0		04/04/05				16	52	
Evansville Water Utility	792.0		04/05/05				15	52	
Evansville Water Utility	792.0		04/06/05				14	41	
Evansville Water Utility	792.0		04/07/05				15	48	
Evansville Water Utility	792.0		04/08/05				12	43	
Evansville Water Utility	792.0		04/09/05				10	39	
Evansville Water Utility	792.0		04/10/05				13	39	
Evansville Water Utility	792.0		04/11/05				9	42	

				BIMONTHLY PARAMETERS					
Data Source	Mile Point	USGS Site Number	Date	Hardness (mg/L CaCO3)	Nitrite (mg/L)	Nitrate + Nitrite (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)
CRITERIA					1.0 mg/L (HH)	10.0 mg/L (HH)	250 mg/L (HH)	250 mg/L (HH)	1.0 mg/L (HH)
Evansville Water Utility	792.0		04/12/05				12	43	
Evansville Water Utility	792.0		04/13/05				13	45	
Evansville Water Utility	792.0		04/14/05				11	46	
Evansville Water Utility	792.0		04/15/05				12	46	
Evansville Water Utility	792.0		04/16/05				13	41	
Evansville Water Utility	792.0		04/17/05				13	40	
Evansville Water Utility	792.0		04/18/05				14	44	
Evansville Water Utility	792.0		04/19/05				14	39	
Evansville Water Utility	792.0		04/20/05				10	46	
Evansville Water Utility	792.0		04/21/05				16	46	
Evansville Water Utility	792.0		04/22/05				14	49	
Evansville Water Utility	792.0		04/23/05				16	43	
Evansville Water Utility	792.0		04/24/05				16	45	
Evansville Water Utility	792.0		04/25/05				12	49	
Evansville Water Utility	792.0		04/26/05				14	50	
Evansville Water Utility	792.0		04/27/05				11	49	
Evansville Water Utility	792.0		04/28/05				17	47	
Evansville Water Utility	792.0		04/29/05				15	49	
Evansville Water Utility	792.0		04/30/05				10	42	
Evansville Water Utility	792.0		05/01/05				16	45	
Evansville Water Utility	792.0		05/02/05				15	49	
Evansville Water Utility	792.0		05/03/05				16	48	
Evansville Water Utility	792.0		05/04/05				15	48	
Evansville Water Utility	792.0		05/05/05				12	56	
Evansville Water Utility	792.0		05/06/05				13	49	
Evansville Water Utility	792.0		05/07/05				10	47	
Evansville Water Utility	792.0		05/08/05				9	48	
Evansville Water Utility	792.0		05/09/05				9	46	
Evansville Water Utility	792.0		05/10/05				11	48	
Evansville Water Utility	792.0		05/11/05				11	44	
Evansville Water Utility	792.0		05/12/05				11	39	
Evansville Water Utility	792.0		05/13/05				15	48	
Evansville Water Utility	792.0		05/14/05				14	44	
Evansville Water Utility	792.0		05/15/05				13	50	
Evansville Water Utility	792.0		05/16/05				12	55	
Evansville Water Utility	792.0		05/17/05				6	54	
Evansville Water Utility	792.0		05/18/05				11	50	
Evansville Water Utility	792.0		05/19/05				12	57	
Evansville Water Utility	792.0		05/20/05				13	58	
Evansville Water Utility	792.0		05/21/05				13	48	
Evansville Water Utility	792.0		05/22/05				13	50	
Evansville Water Utility	792.0		05/23/05				14	58	
Evansville Water Utility	792.0		05/24/05				11	50	
Evansville Water Utility	792.0		05/25/05				10	52	
Evansville Water Utility	792.0		05/26/05				9	56	
Evansville Water Utility	792.0		05/27/05				10	57	
Evansville Water Utility	792.0		05/28/05				13	55	
Evansville Water Utility	792.0		05/29/05				15	55	
Evansville Water Utility	792.0		05/30/05				17	60	
Evansville Water Utility	792.0		05/31/05				18	60	
Evansville Water Utility	792.0		06/01/05				15	58	
Evansville Water Utility	792.0		06/02/05				12	68	
Evansville Water Utility	792.0		06/03/05				15	67	
Evansville Water Utility	792.0		06/04/05				14	60	
Evansville Water Utility	792.0		06/05/05				16	62	
Evansville Water Utility	792.0		06/06/05				15	65	
Evansville Water Utility	792.0		06/07/05				13	76	
Evansville Water Utility	792.0		06/08/05				16	67	
Evansville Water Utility	792.0		06/09/05				13	77	
Evansville Water Utility	792.0		06/10/05				15	65	
Evansville Water Utility	792.0		06/11/05				16	63	
Evansville Water Utility	792.0		06/12/05				14	61	
Evansville Water Utility	792.0		06/13/05				14	51	
Evansville Water Utility	792.0		06/14/05				15	60	
Evansville Water Utility	792.0		06/15/05				21	61	
Evansville Water Utility	792.0		06/16/05				13	60	
Evansville Water Utility	792.0		06/17/05				17	64	
Evansville Water Utility	792.0		06/18/05				17	60	
Evansville Water Utility	792.0		06/19/05				14	60	
Evansville Water Utility	792.0		06/20/05				18	60	
Evansville Water Utility	792.0		06/21/05				13	61	
Evansville Water Utility	792.0		06/22/05				12	59	
Evansville Water Utility	792.0		06/23/05				15	56	
Evansville Water Utility	792.0		06/24/05				19	56	
Evansville Water Utility	792.0		06/25/05				14	54	

				BIMONTHLY PARAMETERS					
Data Source	**Mile Point**	**USGS Site Number**	**Date**	**Hardness (mg/L CaCO3)**	**Nitrite (mg/L)**	**Nitrate + Nitrite (mg/L)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Fluoride (mg/L)**
CRITERIA					**1.0 mg/L (HH)**	**10.0 mg/L (HH)**	**250 mg/L (HH)**	**250 mg/L (HH)**	**1.0 mg/L (HH)**
Evansville Water Utility	792.0		06/26/05				17	55	
Evansville Water Utility	792.0		06/27/05				14	59	
Evansville Water Utility	792.0		06/28/05				16	58	
Evansville Water Utility	792.0		06/29/05				14	57	
Evansville Water Utility	792.0		06/30/05				13	58	
Evansville Water Utility	792.0		07/01/05				15	56	
Evansville Water Utility	792.0		07/02/05				20	56	
Evansville Water Utility	792.0		07/03/05				19	56	
Evansville Water Utility	792.0		07/04/05				22	59	
Evansville Water Utility	792.0		07/05/05				22	61	
Evansville Water Utility	792.0		07/06/05				15	60	
Evansville Water Utility	792.0		07/07/05				13	63	
Evansville Water Utility	792.0		07/08/05				14	64	
Evansville Water Utility	792.0		07/09/05				21	62	
Evansville Water Utility	792.0		07/10/05				22	63	
Evansville Water Utility	792.0		07/11/05				25	70	
Evansville Water Utility	792.0		07/12/05				11	74	
Evansville Water Utility	792.0		07/13/05				21	69	
Evansville Water Utility	792.0		07/14/05				18	71	
Evansville Water Utility	792.0		07/15/05				19	71	
Evansville Water Utility	792.0		07/16/05				23	76	
Evansville Water Utility	792.0		07/17/05				22	73	
Evansville Water Utility	792.0		07/18/05				23	77	
Evansville Water Utility	792.0		07/19/05				20	73	
Evansville Water Utility	792.0		07/20/05				14	77	
Evansville Water Utility	792.0		07/21/05				21	74	
Evansville Water Utility	792.0		07/22/05				20	73	
Evansville Water Utility	792.0		07/23/05				17	76	
Evansville Water Utility	792.0		07/24/05				21	70	
Evansville Water Utility	792.0		07/25/05				19	69	
Evansville Water Utility	792.0		07/26/05				20	68	
Evansville Water Utility	792.0		07/27/05				19	65	
Evansville Water Utility	792.0		07/28/05				16	68	
Evansville Water Utility	792.0		07/29/05				15	70	
Evansville Water Utility	792.0		07/30/05				16	70	
Evansville Water Utility	792.0		07/31/05				22	71	