Appendix A:

Locks and Dams, Tributaries, Flow, and Ohio River Discharges

Appendix A: 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	Bellville	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

Enters Ohio River at Mile Point	Stream Name	State	Stream Length (Miles)	Drainage Area (Sq. Miles)	Enters Ohio River at Mile Point	Stream Mile	State	Stream Length (Miles)	Drainage Area (Sq. Miles)
0.1	ALLEGHENY RIVER	PA	325	11,700	150.0	LEITHS RUN	OH		
0.1	MONONGAHELA RIVER	PA	128	7,400	150.2	SPRING RUN	WV		
2.1	CHARTIERS CREEK	PA		277	151.0	REAS RUN	OH		
9.5	MONTOUR RUN	PA			154.0	MIDDLE ISLAND CREEK	WV	70	560
13.7	LITTLE SEWICKLEY CREEK	PA			156.9	DENAS RUN	OH		
15.5	BIG SEWICKLEY CREEK	PA			157.7	FRENCH RUN	WV		
25.4	BEAVER RIVER	PA	21	3,130	168.6	LITTLE MUSKINGUM RIVER	OH		315
29.6	RACCOON CREEK	PA		200	170.2	DUCK CREEK	OH	52	228
40.1	LITTLE BEAVER CREEK	PA	51	510	172.2	MUSKINGUM RIVER	OH	112	8,040
47.3	LITTLE YELLOW CREEK	OH			174.3	WILLIAMS CREEK	WV		
47.6	CONGO RUN	WV			184.8	LITTLE KANAWHA RIVER	WV	160	2,320
50.6	YELLOW CREEK	OH	34	240	188.7	DAVIS RUN	OH		
60.1	KINGS CREEK	WV			192.0	LITTLE HOCKING RIVER	OH	18	103
61.7	ISLAND RUN	OH			192.5	SAWER RUN	OH		
65.3	WILLS CREEK	OH			194.0	LITTLE SAND CREEK	WV		
66.5	HARMAN CREEK	WV			199.3	HOCKING RIVER	OH	100	1,190
71.6	CROSS CREEK	OH	27	128	200.4	INDIAN RUN	OH		
75.2	BUFFALO CREEK	WV		160	201.8	LEE CREEK	WV		
81.4	SHORT CREEK	OH	29	147	203.4	ROCK RUN	OH		
90.2	WHEELING CREEK	OH	30	108	210.2	SHADE RIVER	OH		221
90.2	WHEELING CREEK	WV		300	217.0	LITTLE SANDY CREEK	WV		
94.9	MCMAHON CREEK	OH	28	91	218.6	GROUNDHOG CREEK	OH		
101.6	LITTLE GRAVE CREEK	WV			220.9	SANDY CREEK	WV		115
102.4	BIG GRAVE CREEK	WV		75	223.4	CEDAR RUN	WV		
105.0	PIPE CREEK	OH			226.2	OLD TOWN CREEK	OH		
109.5	CAPTINA CREEK	OH	39	181	227.8	TANNERS RUN	OH		
113.7	FISH CREEK	WV		250	231.4	MILL CREEK	WV		230
117.5	SUNFISH CREEK	OH	31	114	231.5	LITTLE MILL CREEK	WV		
119.8	OPOSSUM CREEK	OH			232.3	JOHNS RUN	OH		
122.2	PROCTOR CREEK	WV			234.9	TOMBLESON RUN	WV		
128.6	FISHING CREEK	WV		220	235.8	SPRING RUN	WV		
137.7	MILLER RUN	OH			236.7	VIVIAN RUN	WV		
141.3	MILL CREEK	OH			240.6	WEST CREEK	WV		
148.8	BENS RUN	WV			241.0	DUNHAM RUN	OH		
149.0	SHEETS RUN	OH			245.0	BROAD CREEK	WV		

Appendix A: Selected Tributaries to the Ohio River

Enters Ohio River at Mile Point	Stream Name	State	Stream Length (Miles)	Drainage Area (Sq. Miles)	Enters Ohio River at Mile Point	Stream Mile	State	Stream Length (Miles)	Drainage Area (Sq. Miles)
253.7	LEADING CREEK	OH	30	151	336.2	LITTLE SANDY RIVER	KY		724
255.0	STORES RUN	OH			337.4	COAL BRANCH	KY		
255.9	TEN MILE CREEK	WV			338.6	SMITH BRANCH	KY		
258.7	MILL CREEK	WV			338.9	GINAT RUN	OH		
260.6	KYGER CREEK	OH			340.8	FRANKLIN RUN	OH		
262.5	CAMPAIGN CREEK	OH			345.6	PINE CREEK	OH	48	185
263.2	OLD TOWN CREEK	WV			349.2	LITTLE SCIOTO RIVER	OH	41	233
264.2	GEORGES CREEK	OH			353.2	TYGARTS CREEK	KY		336
265.5	KANAWHA RIVER	WV	97	12200	356.4	SCIOTO RIVER	OH	237	6,510
267.3	TWO MILE CREEK	WV			361.5	TURKEY CREEK	OH		
276.0	CRAB CREEK	WV			363.2	NACE RUN	OH		
276.1	RACCOON CREEK	OH	109	684	368.4	KINNICONICK CREEK	KY		253
277.4	BURRELS RUN	OH			373.4	UPPER TWIN CREEK	OH		
279.0	TEENS RUN	OH			373.6	LOWER TWIN CREEK	OH		
282.3	SIXTEENMILE CREEK	WV			378.4	SALT LICK CREEK	KY		
284.3	EIGHTEEN MILE CREEK	WV			388.0	OHIO BRUSH CREEK	OH	57	435
287.4	LITTLE GUYANDOT RIVER	WV			389.4	SPRING RUN	OH		
296.7	TWO MILE CREEK	OH			391.0	LOWER SISTER CREEK	OH		
299.0	NINE MILE CREEK	WV			392.3	DONALDSON CREEK	OH		
303.9	PADDYS CREEK	OH			395.3	ISLAND CREEK	OH		
305.2	GUYANDOTTE RIVER	WV	66	1670	398.4	ISAACS CREEK	OH		
306.9	INDIAN GUYAN CREEK	OH			401.6	CROOKED CREEK	KY		
309.7	SYMMES CREEK	OH	70	356	402.3	ELK RUN	OH		
310.7	BUFFALO CREEK	OH			403.0	CABIN CREEK	KY		
314.0	TWELVEPOLE CREEK	WV		440	405.6	LITTLE THREE MILE CREEK	OH		
317.1	BIG SANDY RIVER	WV	27	4280	406.9	SLEEPY HOLLOW CREEK	KY		
317.4	CATLETTS CREEK	KY			409.0	FISH GUT CREEK	OH		
319.4	KEYES CREEK	KY			412.1	THREE MILE CREEK	OH		
320.1	SALLIDAY CREEK	OH			414.8	LAWRENCE CREEK	KY		
324.0	HOOD CREEK	KY			415.2	EAGLE CREEK	OH	31	154
324.3	ICE CREEK	OH			417.1	RED OAK CREEK	OH		
328.1	STORMS CREEK	OH			419.1	LEES CREEK	KY		
331.1	POND RUN	KY			422.6	STRAIGHT CREEK	OH		
332.8	UHLANDS RUND	KY			423.6	WHITE OAK CREEK	OH	49	234

Appendix A: Selected Tributaries to the Ohio River

Enters Ohio River at Mile Point	Stream Name	State	Stream Length (Miles)	Drainage Area (Sq. Miles)	Enters Ohio River at Mile Point	Stream Mile	State	Stream Length (Miles)	Drainage Area (Sq. Miles)
425.1	HOG RUN	OH			521.4	PAINT LICK CREEK	KY		
426.4	BRACKEN CREEK	KY			522.7	LITTLE SUGAR CREEK	KY		
428.6	BIG TURTLE CREEK	KY			522.9	BIG SUGAR CREEK	KY		
430.5	WRANGLING RUN	KY			527.2	BRYANT CREEK	IN		
431.6	BULL SKIN CREEK	OH			529.1	TURTLE CREEK	IN		
431.7	BYERS RUN	KY			530.3	DAN CREEK	IN		
432.5	LITTLE LOCUST CREEK	KY			530.3	CRAIGS CREEK	KY		
432.8	BIG LOCUST CREEK	KY			532.0	STEPHENS CREEK	KY		
433.2	PATTERSONS RUN	OH			535.7	PLUM CREEK	IN		
433.6	CROOKED CREEK	OH			545.8	KENTUCKY RIVER	KY	255	6970
434.4	LITTLE SNAG CREEK	KY			546.4	GREEN VALLEY CREEK	IN		
435.7	BIG SNAG CREEK	KY			546.6	LITTLE KENTUCKY RIVER	KY	35	147
443.8	LITTLE INDIAN CREEK	OH			549.6	LOCUST CREEK	KY		
445.3	BIG INDIAN CREEK	OH			550.5	INDIAN KENTUCK CREEK	IN		150
451.5	TWELVEMILE CREEK	KY			553.2	BEE CAMP CREEK	IN		
455.1	TEN MILE CREEK	OH			555.5	EAGLE HALLOW	IN		
455.3	NINE MILE CREEK	OH			556.4	MARILYN CREEK	IN		
456.5	EIGHT MILE CREEK	OH			559.5	CROOKED CREEK	IN		
463.3	LITTLE MIAMI RIVER	OH	90	1670	560.3	BIG CLIFTY CREEK	IN		
470.1	LICKING RIVER	KY	320	3670	563.6	CHAIN MILL CREEK	IN		
472.5	MILL CREEK	OH	28	166	569.5	SALUDA CREEK	IN		
484.2	MUDDY CREEK	OH			570.6	CORN CREEK	KY		
491.1	GREAT MIAMI RIVER	OH	161	5400	573.2	BAREBONE CREEK	KY		
494.8	TANNERS CREEK	IN		136	574.4	MIDDLE CREEK	KY		
498.7	LAUGHERY CREEK	IN	39	350	574.4	KNOB CREEK	IN		
499.8	WOOLPER CREEK	KY			578.4	CAMP CREEK	IN		
501.5	ISLAND BRANCH	IN			580.7	EIGHTEEN MILE CREEK	KY		
504.6	MIDDLE CREEK	KY			584.4	BULL CREEK	IN		
508.7	ARNOLD CREEK	IN			585.6	OWEN CREEK	IN		
509.9	GRANT CREEK	IN			592.8	POND CREEK	KY		
512.2	LICK CREEK	KY			595.9	HARRODS CREEK	KY		
513.6	GUNPOWDER CREEK	KY			596.9	GOOSE CREEK	KY		
514.7	LANDING CREEK	KY			602.2	SOUTH FORK BEARGRASS CREEK	KY		
517.0	BIG BONE CREEK	KY			606.5	SILVER CREEK	IN		225

Enters Ohio River at Mile Point	Stream Name	State	Stream Length (Miles)	Drainage Area (Sq. Miles)	Enters Ohio River at Mile Point	Stream Mile	State	Stream Length (Miles)	Drainage Area (Sq. Miles)
616.3	MILL CREEK CUTOFF	KY			706.3	SAMPLE RUN	IN		
617.5	KNOB CREEK	IN			707.4	ADAMS RUN	IN		
623.5	BRINLEY CREEK	IN			707.5	TOWN CREEK	KY		
624.4	EVERSOLE CREEK	IN			707.7	BULL CREEK	KY		
625.0	MILLS CREEK	KY			709.0	GOEHAGAN CREEK	KY		
629.2	FOURMILE CREEK	IN			710.6	SLICK CREEK	KY		
629.7	SALT RIVER	KY	125	2,890	710.8	CLOVER CREEK	KY		
633.3	ABRAHAMS RUN	KY			712.4	FAUCETT CREEK	KY		
634.6	MOSQUITO CREEK	IN			714.6	POND RUN	IN		
636.3	OTTER CREEK	KY			716.3	SANDY BRANCH	IN		
641.2	BIG RUN	IN			717.4	MILLSTONE CREEK	IN		
642.2	DOE RUN	KY			718.9	DEER CREEK	IN		
645.9	FLIPPINS RUN	KY			720.2	BLUE WELLS HOLLOW	IN		
647.3	BUCK CREEK	IN			721.4	INDIAN CREEK	KY		
648.1	LICK RUN	IN			724.0	CASSELBURY CREEK	IN		
651.5	FRENCH CREEK	KY			724.1	LEAD CREEK	KY		
656.9	New Amsterdam City Trib	IN			729.8	WINDY CREEK	IN		
657.0	BIG INDIAN CREEK	IN		253	731.3	ANDERSON RIVER	IN		234
659.9	COLD FRIDAY HOLLOW	KY			731.7	MUDDY GUT CREEK	KY		
661.3	POTATO RUN	IN			733.1	CROOKED CREEK	IN		
662.8	BLUE RIVER	IN		435	736.6	YELLOW CREEK	KY		
672.3	CEDAR BRANCH	KY			740.8	BIG SLOUGH	KY		
678.6	LITTLE BLUE RIVER	IN			741.3	LITTLE SANDY CREEK	IN		
684.8	BOONE HALLOW	KY			742.0	BLACKFORD CREEK	KY		124
686.3	WATSON RUN	KY			742.0	SANDY CREEK	IN		
686.5	SPRING CREEK	KY			744.2	HONEY CREEK	IN		
688.3	MILL CREEK	IN			746.8	HUFFMAN DITCH	IN		
692.5	KNOB CREEK	IN			750.5	PUP CREEK	KY		
698.6	LICK RUN	KY			752.0	YELLOW CREEK	KY		
700.8	SINKING CREEK	KY		154	757.7	PERSIMMONS DITCH	KY		
703.1	BEAR CREEK	IN			763.6	COWHIDE SLOUGH TRIB	KY		
703.9	FANNY CREEK	IN			765.2	COWHIDE SLOUGH			
704.3	BUCK CREEK	IN			769.4	FULKERSON DITCH	KY		
705.3	KINGLEY CREEK	IN			772.8	LITTLE PIGEON CREEK	IN		415

Appendix A: Selected Tributaries to the Ohio River

Enters Ohio River at Mile Point	Stream Name	State	Stream Length (Miles)	Drainage Area (Sq. Miles)	Enters Ohio River at Mile Point	Stream Mile	State	Stream Length (Miles)	Drainage Area (Sq. Miles)
784.0	GREEN RIVER	KY	370	9,230	897.8	BIG GRAND PIERRE CREEK	IL		
787.2	WALKER SLOUGH				901.9	GIVENS CREEK	KY		
792.9	PIGEON CREEK			375	902.3	LUSK CREEK	IL		
796.8	BAYOU CREEK	IN			903.5	MC GILLIGAN CREEK	KY		
800.7	MOUND SLOUGH				910.1	BIG BAY CREEK	IL		
806.6	CANOE CREEK	KY			910.8	BARREN CREEK	IL		
813.2	LOGSDEN-STROOD BRANCH	IN			911.9	BAYOU CREEK	KY		
815.0	BAYOU CREEK	IN			913.7	PHELPS CREEK	KY		
827.7	CYPRESS SLOUGH				919.8	DYER HILL CREEK	KY		
827.8	MCFADDEN CREEK	IN			920.3	CUMBERLAND RIVER	KY	693	17920
832.4	SMITH CREEK	IN			923.2	DAVIS CREEK	KY		
833.6	BEAVERDAMN CREEK	IN			926.0	GOODLOW SLOUGH	KY		
840.7	BAYOU DRAIN	IN			927.6	DRAKE BRANCH			
841.9	HIGHLAND CREEK	KY			932.5	TENNESSEE RIVER	KY	652	40910
843.0	LOST CREEK	KY			933.3	ISLAND CREEK	KY		
846.9	SIBLEY CREEK	KY			935.8	BALLARD LAKE	IL		
847.8	WABASH RIVER	IL	474	33100	939.4	PERKINS CREEK	KY		
850.7	RUNNING SLOUGH	IL			940.4	SEVENMILE CREEK	IL		
867.2	SALINE RIVER	IL	27	1170	941.9	MASSAC CREEK	IL		
868.2	CANE CREEK	IL			942.7	MASSAC CREEK	KY		
868.7	DENNIS O'NAN DITCH	KY			947.5	BAYOU CREEK	KY		
873.4	TRADEWATER RIVER	KY	110	1000	947.5	ROCKY BRANCH	IL		
875.9	CAMP CREEK	KY			951.0	BAYOU CREEK			
877.0	CORNSTALK CREEK	KY			953.0	NEWTONS CREEK	IL		
877.6	HANEY CREEK	IL			953.3	BEAN BRANCH	KY		
877.7	ANTHONY CREEK	IL			956.2	REDSTONE CREEK	KY		
886.1	HURRICANE CREEK	KY			957.7	POST CREEK CUTOFF	IL		
886.4	PETERS CREEK	IL			962.9	GAR CREEK	KY		
887.3	FRANKLIN BRANCH				967.6	HUMPHREY'S CREEK	KY		
887.6	HOSICK CREEK	IL			968.9	HODGES BAYOU	IL		
889.5	BIG CREEK	IL			971.9	HESS BAYOU	IL		
892.9	DEER CREEK	KY			973.3	CACHE ISLAND	KY		
893.5	BUCK CREEK	KY			974.7	CACHE RIVER	IL		720
895.8	THREEMILE CREEK	IL			977.7	CROOKED CREEK			

Appendix A: Hydrologic Data for Water Years 2006-2011 Flows in Cubic Feet per Second (CFS)

	Ohio River Mile 84.2				Ohio River Mile 531.5				Ohio River Mile 918.5			
Month and Year	Maximum	Minimum	Average	% long-term Average	Maximum	Minimum	Average	% long-term Average	Maximum	Minimum	Average	% long-term Average
June 2006	3,890	71,220	27,225	96%	25,357	169,873	70,888	83%	62,220	196,585	122,014	75%
July 2006	14,343	56,077	31,221	152%	48,127	181,307	84,974	153%	65,495	207,754	127,401	131%
August 2006	5,625	54,697	17,573	103%	22,261	81,123	37,282	87%	37,979	92,641	62,306	90%
September 2006	13,417	54,111	31,283	151%	38,607	113,175	68,203	151%	35,514	320,157	131,820	193%
October 2006	19,439	122,340	58,087	269%	53,251	258,488	122,433	256%	60,694	298,386	167,061	220%
November 2006	29,203	139,763	66,974	193%	64,935	260,259	147,765	197%	152,359	364,725	261,172	224%
December 2006	24,335	62,648	37,245	71%	47,268	158,403	95,859	80%	112,828	328,265	196,089	101%
January 2007	32,491	183,606	85,276	147%	94,461	369,745	213,594	146%	261,614	604,793	422,671	175%
February 2007	9,808	73,366	29,105	52%	45,603	209,667	87,747	57%	79,598	268,721	158,961	61%
March 2007	49,048	208,948	109,194	153%	122,327	389,112	259,469	138%	214,959	501,705	368,628	119%
April 2007	38,927	120,619	68,087	109%	81,188	351,990	167,485	105%	173,083	428,787	291,695	108%
May 2007	8,286	62,197	26,387	56%	22,452	132,636	67,341	50%	33,688	208,265	120,589	49%
June 2007	4,994	21,780	12,089	43%	14,905	56,509	31,969	38%	2,810	104,873	49,638	31%
July 2007	3,206	26,553	10,936	53%	11,861	58,720	30,641	55%	2,781	82,930	48,268	50%
August 2007	5,765	77,692	23,054	134%	5,535	95,792	41,962	97%	9,737	97,507	54,890	79%
September 2007	4,145	16,322	9,106	44%	12,459	37,326	25,785	57%	10,097	73,505	35,988	53%
October 2007	4,001	29,310	10,754	50%	12,246	73,611	30,396	64%	3,162	203,534	58,505	77%
November 2007	9,853	84,254	28,281	81%	21,100	141,296	51,744	69%	26,532	139,298	66,699	57%
December 2007	39,940	195,596	91,162	175%	88,182	368,498	185,541	156%	153,213	532,655	299,856	154%
January 2008	18,483	108,295	52,792	91%	45,548	288,128	120,965	83%	88,827	411,419	232,012	96%
February 2008	46,117	220,879	93,697	167%	120,566	407,862	214,601	140%	120,812	605,857	383,156	146%
March 2008	34,295	194,295	103,055	144%	132,945	454,952	303,637	161%	230,804	782,811	520,982	169%
April 2008	21,856	83,693	48,174	77%	68,246	320,860	154,114	96%	131,703	652,477	409,451	152%
May 2008	20,549	87,723	54,658	116%	55,883	244,600	145,718	109%	121,147	387,981	246,714	101%
June 2008	11,073	96,942	29,205	103%	33,886	302,248	97,060	114%	90,345	352,308	218,706	134%
July 2008	8,909	47,216	24,237	118%	19,484	96,356	62,687	113%	51,075	156,111	111,442	115%
August 2008	3,967	23,045	11,643	68%	10,376	45,124	27,228	63%	2,213	84,969	50,103	72%
September 2008	3,499	21,802	9,330	45%	2,092	50,111	23,568	52%	8,022	72,037	39,806	58%
October 2008	5,755	15,294	9,178	43%	10,414	35,794	23,333	49%	9,648	80,972	38,243	50%
November 2008	4,752	32,376	14,309	41%	13,507	55,404	29,949	40%	23,615	73,854	47,306	41%
December 2008	19,243	141,693	76,768	147%	38,216	259,794	131,700	111%	39,833	362,184	158,645	82%

* % Long-Term Average calculated by dividing the harmonic mean flow by the median flow for each location

Appendix A: Hydrologic Data for Water Years 2006-2011 Flows in Cubic Feet per Second (CFS)

	Ohio River Mile 84.2				Ohio River Mile 531.5				Ohio River Mile 918.5			
Month and Year	Maximum	Minimum	Average	% long-term Average	Maximum	Minimum	Average	% long-term Average	Maximum	Minimum	Average	% long-term Average
February 2009	28,324	153,988	68,315	122%	75,843	271,220	151,334	99%	156,104	393,042	281,220	107%
March 2009	22,742	111,121	50,112	70%	52,792	152,606	106,936	57%	142,861	239,330	189,813	61%
April 2009	23,430	84,102	50,078	80%	69,815	188,734	139,574	87%	211,653	345,134	283,630	105%
May 2009	14,439	117,238	44,440	94%	45,382	302,562	141,585	106%	193,300	497,321	301,688	124%
June 2009	10,998	56,358	28,467	101%	43,971	119,835	88,732	104%	132,881	226,250	182,691	112%
July 2009	8,133	28,329	16,246	79%	2,313	80,744	39,285	71%	33,241	123,212	75,265	78%
August 2009	7,129	41,878	24,196	141%	11,616	147,129	67,125	156%	37,987	236,455	114,773	165%
September 2009	2,918	19,276	9,941	48%	9,002	84,980	33,263	74%	9,345	147,196	53,645	79%
October 2009	9,895	46,681	20,996	97%	28,795	93,207	53,100	111%	24,993	192,639	118,730	157%
November 2009	12,524	43,519	21,903	63%	36,537	113,472	62,907	84%	72,144	242,906	132,321	113%
December 2009	15,286	92,168	47,642	91%	41,982	285,316	127,560	107%	64,298	357,374	206,232	106%
January 2010	12,153	195,378	58,837	102%	42,659	407,410	148,734	102%	72,089	456,050	198,002	82%
February 2010	16,003	84,722	37,183	66%	59,656	254,498	122,267	80%	113,024	498,392	248,983	95%
March 2010	25,010	183,701	79,501	111%	82,355	426,795	209,014	111%	129,627	469,711	276,898	90%
April 2010	12,659	52,256	26,202	42%	40,908	182,885	78,082	49%	74,410	341,803	164,063	61%
May 2010	15,417	67,369	44,090	94%	65,228	345,223	149,751	112%	149,298	576,807	303,336	124%
June 2010	11,412	70,967	28,604	101%	36,772	174,647	93,746	110%	110,425	244,925	167,191	103%
July 2010	3,169	24,963	12,283	60%	28,218	102,375	47,919	86%	56,547	177,515	105,165	109%
August 2010	3,631	19,160	10,544	62%	10,128	52,316	30,997	72%	33,443	88,805	56,062	81%
September 2010	2,882	13,564	7,953	38%	9,154	37,820	23,971	53%	4,581	85,646	37,316	55%
October 2010	6,603	22,456	13,769	64%	7,188	44,766	27,133	57%	8,493	67,815	36,727	48%
November 2010	6,794	69,918	22,794	66%	21,856	123,874	45,001	60%	4,374	152,816	56,158	48%
December 2010	12,017	211,820	60,163	115%	30,844	333,718	110,963	93%	48,204	344,755	156,015	80%
January 2011	14,238	75,003	29,629	51%	32,582	156,797	68,709	47%	35,321	214,356	101,171	42%
February 2011	17,628	127,543	58,935	105%	50,471	369,454	139,010	91%	76,637	399,839	163,663	62%
March 2011	45,298	263,573	144,884	203%	154,680	542,895	373,214	198%	349,386	834,361	626,186	203%
April 2011	34,160	169,117	119,642	191%	90,968	470,089	329,709	206%	149,443	892,829	477,100	177%
May 2011	53,038	147,825	85,094	180%	188,755	401,002	249,458	186%	359,972	946,103	614,651	252%
June 2011	8,516	55,860	22,831	81%	32,199	165,495	76,737	90%	74,481	371,190	199,402	123%
July 2011	3,253	20,673	11,750	57%	19,257	69,165	42,575	76%	65,698	205,243	115,591	119%

* % Long-Term Average calculated by dividing the harmonic mean flow by the median flow for each location

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ORMP	Permit Number	Type	Corporation Name	Plant Name
0.0	PA0217611	M	CITY OF PITTSBURGH CSOS	CITY OF PITTSBURGH CSO OUTFALLS
1.9	PA0031933	I	ORION POWER MID WEST, L.P.	BRUNOT ISLAND POWER STATION
3.1	PA0025984	M	ALLEGHENY COUNTY SANITARY AUTHORITY	ALCOSAN WWTP
4.0	WV0076538	I	E. I. DUPONT DE NEMOURS AND COMPANY	LOCAL LANDFILL
4.6	PA0217689	M	MUNICIPAL AUTHORITY OF THE BOROUGH OF WEST VIEW	JOSEPH A. BERKLEY WATER TREATMENT PLANT
5.1	PA0027928	I	GULF OIL LIMITED PARTNERSHIP	NEVILLE ISLAND PLANT
5.3	PA0091227	I	CALGON CARBON CORPORATION	NEVILLE ISLAND PLANT
6.4	PA0041602	I	EXXON COMPANY, U.S.A.	NEVILLE ISLAND TERMINAL
6.6	PA0004979	I	NEVILLE CHEMICAL COMPANY	
6.7	PA0204030	I	CALGON CARBON CORPORATION	NEVILLE ISLAND WEST PLANT
6.8	PA0003832	I	ASHLAND CHEMICAL CORPORATION	NEVILLE ISLAND PLANT
7.0	PA0094722	I	TAPCO, INC.	
8.0	PA0002437	I	SHENANGO, INC.	SHENANGO COKE DIVISION
8.6	PA0093706	M	MUNICIPAL AUTHORITY OF THE TOWNSHIP OF ROBINSON	ROBINSON TOWNSHIP WTP
9.3	PA0028801	M	MOON TOWNSHIP MUNICIPAL AUTHORITY	MONTOUR RUN WWTP
10.9	PA0002984	I	STAR ENTERPRISE	PITTSBURGH SALES TERMINAL
11.2	PA0003816	I	BP PRODUCTS NORTH AMERICA INC.	CORAOPOLIS TERMINAL
11.2	PA0217751	M	BOROUGH OF OSBORNE AND SEWICKLEY	SEWICKLEY WATER AUTHORITY WTP
11.2	PA0026352	M	RIVERVIEW SANITARY AUTHORITY	RIVERVIEW SANITARY AUTHORITY WASTEWATER TREATMENT PLANT
11.6	PA0205991	M	MOON TOWNSHIP MUNICIPAL AUTHORITY	MOON TOWNSHIP MUNICIPAL AUTHORITY WTP
12.3	PA0020681	M	BOROUGH OF SEWICKLEY	SEWICKLEY WWTP
12.8	PA0203718	M	MUNICIPAL AUTHORITY OF THE BOROUGH OF EDGEWORTH	EDGEWORTH WTP
14.0	PA0023159	M	CRESCENT-SOUTH HEIGHTS MUNICIPAL AUTHORITY	CRESCENT-SOUTH HEIGHTS STP
14.2	PA0046906	M	MOON TOWNSHIP MUNICIPAL AUTHORITY	FLAUGHERTY RUN STP
14.2	PA0024589	M	MUNICIPAL AUTHORITY OF THE BOROUGH OF LEETSDALE	LEETSDALE STP
14.5	PA0253138	I	ALMATIS, INC	ALMATIS, INC. LEETSDALE OPERATIONS
15.0	PA0001619	I	DUQUESNE LIGHT	F.R. PHILIPS POWER STATION
15.5	PA0000566	I	HUSSEY COPPER LTD	
16.0	PA0006335	I	KOPPEL STEEL CORPORATION	AMBRIDGE PLANT
17.5	PA0006114	I	LTV STEEL COMPANY, INC.	ALIQUIPPA WORKS
17.5	PA0003000	I	CENTRIA	AMBRIDGE PLANT
17.5	PA0027146	M	BOROUGH OF AMBRIDGE MUNICIPAL AUTHORITY	AMBRIDGE BOROUGH STP
17.6	PA0090522	I	SACCO DISPOSAL SITE	AMBRIDGE LANDFILL
18.9	PA0204315	I	J & L STRUCTURAL, INC.	14" PRODUCTS MILL
20.3	PA0028410	M	MUNICIPAL AUTHORITY OF THE BOROUGH OF BADEN	BADEN STP
20.6	PA0025968	M	MUNICIPAL WATER AUTHORITY OF ALIQUIPPA	ALIQUIPPA WWTP
22.0	PA0036609	M	CONWAY BOROUGH MUNICIPAL AUTHORITY	CONWAY BOROUGH WWTP
22.7	PA0037940	M	CENTER TOWNSHIP SEWER AUTHORITY	ELKHORN RUN WWTP

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ORMP	Permit Number	Type	Corporation Name	Plant Name
22.8	PA0037958	M	CENTER TOWNSHIP SEWER AUTHORITY	MOON RUN STP
23.8	PA0095796	I	PITTSBURGH TUBE COMPANY	MONACA DIVISION
24.0	PA0001295	I	ASHLAND PETROLEUM COMPANY	FREEDOM REFINERY
24.2	PA0034665	I	BEAVER VALLEY HEATING, INC.	MONACA PLANT
25.0	PA0218553	I	BEAVER CONCRETE AND GRAVEL COMPANY	
25.3	PA0026140	M	ROCHESTER AREA JOINT SEWER AUTHORITY	ROCHESTER AREA JOINT SEWER AUTHORITY WWTP
25.6	PA0020125	M	BOROUGH OF MONACA	MONACA WWTP AND CSOS
25.6	PA0002046	I	PITTSBURGH TOOL STEEL, INC.	
26.2	PA0024694	M	BEAVER BOROUGH MUNICIPAL AUTHORITY	BEAVER BOROUGH WWTP
27.5	PA0204528	M	VANPORT TOWNSHIP MUNICIPAL AUTHORITY	VANPORT WATER TREATMENT PLANT
28.1	PA0023698	M	VANPORT TOWNSHIP MUNICIPAL AUTHORITY	VANPORT WWTP
28.3	PA0036684	I	SUN REFINING AND MARKETING COMPANY	BEAVER MARKETING TERMINAL
28.5	PA0002208	I	ZINC CORPORATION OF AMERICA	MONACA SMELTING DIVISION
29.3	PA0218154	I	LOCK 6 LANDING RESTAURANT AND LOUNGE	LOCK 6 WWTP
29.4	PA0001236	I	WESTINGHOUSE ELECTRIC CORPORATION	BEAVER PLANT
29.6	PA0006254	I	NOVA CHEMICALS	BEAVER VALLEY PLANT
30.7	PA0253545	I	PENNSYLVANIA BIODIESEL, INC	KOBUTA YARD
33.3	PA0027481	I	FIRST ENERGY GENERATION CORPORATION	BRUCE MANSFIELD PLANT
34.5	PA0252492	M	SHIPPINGPORT BOROUGH	SHIPPINGPORT STP
34.9	PA0025615	I	FIRST ENERGY NUCLEAR OPERATING COMPANY	BEAVER VALLEY POWER STATION
35.0	PA0027707	I	DUQUESNE LIGHT COMPANY	BEAVER VALLEY UNIT NO.2
35.7	PA0005754	I	JEWEL ACQUISITION, LLC	MIDLAND PLANT
36.4	PA0097870	I	LTV STEEL COMPANY	MIDLAND WORKS
37.0	PA0005754	I	J&L SPECIALTY STEEL, INC.	MIDLAND PLANT
37.4	PA0023701	M	MIDLAND BOROUGH MUNICIPAL AUTHORITY	MIDLAND BOROUGH MUNICIPAL AUTHORITY STP
38.7	PA0218219	I	C&C MARINE MAINTENANCE CO.	C&C MARINE MAINTENANCE CO.
40.0	PA0027481	I	PENNSYLVANIA POWER COMPANY	BRUCE MANSFIELD PLANT
40.1	OH0011410	I	THE HALL CHINA COMPANY	HALL CHINA COMPANY WWTP
40.3	OH0107298	I	HERITAGE-WTI, INC.	
42.1	WV0116505	I	CONGO CORP	
43.0	WV0021768	M	CITY OF CHESTER	CHESTER WWTP
44.6	OH0024970	M	CITY OF EAST LIVERPOOL	EAST LIVERPOOL WWTP
44.8	OH0123617	I	BP OIL COMPANY	EAST LIVERPOOL BULK PLANT WWTP
45.0	WV0005754	I	DIXON TICONDEROGA D.B.A. NEW CASTLE REFRACTORIES	
45.3	OH0133447	I	DALE RUFENER	FARR HILL MOBILE HOME PARK
45.5	WV0004774	I	GLOBE REFRACTORIES, INC.	
45.7	WV0027502	I	THE NEWELL COMPANY	
46.2	OH0030341	M	CITY OF EAST LIVERPOOL	CITY OF EAST LIVERPOOL WTP
47.3	WV0112941	I	DTC ENVIRONMENTAL SERVICES, INC.	

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ORMP	Permit Number	Type	Corporation Name	Plant Name
47.4	WV0004626	I	ERGON-WEST VIRGINIA INC	CONGO PLANT
48.0	OH0012327	I	STERLING CHINA COMPANY	WWTP
48.5	OH0028045	M	VILLAGE OF WELLSVILLE	WELLSVILLE WWTP
49.2	OH0029068	I	MARATHON ASHLAND PETROLEUM LLC	WELLSVILLE TERMINAL
49.6	OH0064157	I	WELLSVILLE STORAGE & TRANSPORTATION TERMINAL	
49.7	OH0140546	I	BUCKEYE INDUSTRIAL MINING COMPANY	COLUMBIANA
49.8	OH0140597	I	OHIO RIVER CLEAN FUELS. LLC	
50.4	WV0101729	M	HANCOCK COUNTY PSD	HANCOCK COUNTY
51.6	WV0049361	I	BOC GASSES	NEWELL PLANT
53.9	OH0011525	I	FIRST ENERGY GENERATION CORP	W.H. SAMMIS PLANT
55.1	OH0022225	M	VILLAGE OF STRATTON	STRATTON WWTP
55.6	OH0050539	M	VILLAGE OF EMPIRE	EMPIRE WWTP
57.5	OH0011568	I	OHIO EDISON COMPANY	TORONTO PLANT
57.6	WV0025119	M	CITY OF NEW CUMBERLAND	NEW CUMBERLAND WWTP
59.1	OH0059234	M	CITY OF TORONTO	TORONTO WTP
59.2	OH0011738	I	VALLEY CONVERTING COMPANTY, INC.	
60.2	OH0020214	M	CITY OF TORONTO	TORONTO WWTP
60.5	OH0010910	I	TITANIUM METALS CORPORATION	TIMET-TORONTO PLANT
62.0	WV0003336	I	ARCELORMITTAL WEIRTON INC.	
64.3	OH0108014	I	MARATHON ASHLAND PETROLEUM LLC	
65.2	WV0070971	M	CITY OF WEIRTON	WEIRTON WTP
65.8	WV0003425	I	SIGNODE CONSUMABLE PRODUCTS OPERATION	
66.0	WV0091367	I	WEIRTON ICE AND COAL SUPPLY COMPANY	
66.2	WV0023108	M	CITY OF WEIRTON	WEIRTON WWTP
68.0	OH0027511	M	CITY OF STEUBENVILLE	STEUBENVILLE WWTP
68.7	OH0011347	I	WHEELING PITTSBURGH STEEL CORPORATION	STEUBENVILLE NORTH PLANT
68.9	WV0004499	I	MOUNTAIN STATE CARBON, LLC	STEUBENVILLE EAST COKE PLANT
69.4	WV0004588	I	KOPPERS INDUSTRIES, INC.	FOLLANSBEE PLANT
69.7	WV0023281	I	SEVERSTAL WHEELING, INC.	STUEBENVILLE EAST SINTER PLANT
70.4	WV0004502	I	WHEELING - NISSHIN INC.	
70.5	WV0020273	M	CITY OF FOLLANSBEE	FOLLANSBEE WWTP
70.7	OH0011355	I	WHEELING PITTSBURGH STEEL CORPORATION	MINGO JUNCTION SOUTH PLANT
71.6	OH0026565	M	VILLAGE OF MINGO JUNCTION	MINGO JUNCTION WWTP
72.5	WV1002554	I	STARVAGGI INDUSTRIES, INC.	WELLSBURG DOCK AND STOCKPILE FACILITY
73.0	WV0071196	I	EAGLE MANUFACTURING COMPANY	
73.6	WV0070289	I	GENPAK CORPORATION	
74.5	OH0099333	M	VILLAGE OF BRILLIANT WATER PLANT	BRILLIANT WTP
74.7	WV0026832	M	CITY OF WELLSBURG, WATER & SEWER BOARD	WELLSBURG WWTP
75.5	OH0021270	M	BRILLAIANT WATER & SEWER DISTRICT WWTP	BRILLIANT WWTP

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ORMP	Permit Number	Type	Corporation Name	Plant Name
76.5	OH0012581	I	CARDINAL OPERATING COMPANY (AMERICAN ELECTRIC POWER)	CARDINAL POWER PLANT COMPLEX (BRILLIANT PLANT)
78.5	WV0084182	M	BROOKE COUNTY PUBLIC SERVICE DISTRICT	BEECH BOTTOM WWTP
79.0	WV0114375	I	ARROW CONCRETE COMPANY	
79.4	WV0004511	I	SEVERSTAL WHEELING, INC	
80.7	OH0090891	M	VILLAGE OF TILTONSVILLE	TILTONSVILLE WWTP
81.0	OH0076597	I	WARRENTON RIVER TERMINAL LTD	
83.7	OH0011371	I	RG STEEL, LLC	YORKVILLE PLANT
84.5	OH0120588	I	OHIO COATINGS COMPANY	
86.4	WV0039764	I	WARWOOD TOOL COMPANY	
87.8	OH0011339	I	WHEELING - PITTSBURGH STEEL CORPORATION	MARTINS FERRY PLANT
88.3	WV0026387	I	UNO - VEN COMPANY	
90.2	OH0032433	M	CITY OF BRIDGEPORT	BRIDGEPORT WTP
90.6	WV0005282	I	L. NIEBERGALL ICE AND FREEZER STORAGE	
90.8	WV0023230	M	CITY OF WHEELING	WHEELING WWTP
92.7	OH0059889	I	OXFORD MINING COMPANY, INC.	BELLAIRE DOCK
93.1	OH0076864	I	MARIETTA COAL COMPANY	BELLAIRE REFUSE DISPOSAL SITE
93.2	WV0020648	M	CITY OF BENWOOD	BENWOOD WWTP
94.0	OH0049999	M	EASTERN OHIO REGIONAL WASTEWATER AUTHORITY	EASTERN OHIO REGIONAL WASTEWATER AUTHORITY WWTP
94.7	WV0116033	I	AUTOMATIC RECYCLING, INC.	
96.5	WV0020141	M	CITY OF MCMECHEN	McMECHEN WWTP
97.0	WV0103110	I	ARROW CONCRETE COMPANY	
97.6	OH0027383	M	VILLAGE OF SHADYSIDE	SHADYSIDE WWTP
99.3	WV0020036	M	CITY OF GLEN DALE	GLEN DALE WWTP
100.5	WV0004693	I	TRIANGLE WIRE AND CABLE, INC.	GLEN DALE FACILITY
102.4	OH0011592	I	FIRST ENERGY GENERATING CORP	R.E. BURGER PLANT
102.5	WV0023264	M	CITY OF MOUNDSVILLE	MOUNDSVILLE WWTP
106.5	OH0076040	I	TONKOVICH TRUCKING COMPANY	FLYASH DISPOSAL FACILITY
107.6	WV0081612	M	MARSHALL COUNTY SEWER DISTRICT	MARSHALL COUNTY WWTP
109.5	OH0027219	M	VILLAGE OF POWHATAN POINT	POWHATAN POINT WWTP
110.6	OH0099660	I	OHIO VALLEY TRASLOADING CO	
110.9	WV0005291	I	OHIO POWER CO.	KRAMMER PLANT
111.2	OH0011681	I	BELLAIRE CORPORATION	POWHATAN MINE NO. 1
111.8	WV0004642	I	VENCO L.L.C.	
112.0	WV0005304	I	OHIO POWER CO.	C/O AEP-MITCHELL PLANT
112.4	WV0005304	I	AMERICAN ELECTRIC POWER	OHIO POWER COMPANY MITCHELL PLANT
114.5	WV0076660	I	COLUMBIAN CHEMICALS COMPANY	
115.0	WV0116271	I	CNX GAS COMPANY LLC	
115.5	OH0012211	I	CONSOL ENERGY-CONSOLIDATION COAL CO.	POWHATAN MINE NO. 4

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ORMP	Permit Number	Type	Corporation Name	Plant Name
119.7	WV0004359	I	PPG INDUSTRIES, INC.	NATRIUM PLANT
121.0	WV0004383	I	AIR PRODUCTS AND CHEMICALS, INC.	GEG EH & S FIELD SUPPORT
121.7	WV0005169	I	BAYER CORPORATION	
122.3	WV0077429	I	GRANDVIEW-DOOLIN PUBLIC SERVICE DISTRICT	
123.5	OH0011550	I	ORMET PRIMARY ALUMINUM CORPORATION	HANNIBAL REDUCTION DIVISION FACILITIES
124.7	OH0124991	I	MARIETTA INDUSTRIAL ENTERPRISES, INC.	HANNIBAL DOCKSIDE WASTEWATER TREATMENT WORKS
126.0	WV0114367	I	ARROW CONCRETE COMPANY	
126.4	WV0114499	I	CITY OF NEW MARTINSVILLE	HYDROELECTRIC POWER PLANT
127.8	OH0091103	M	OHIO DEPARTMENT OF TRANSPORTATION	DUFFEY OUTPOST BUILDING
128.7	WV0027472	M	CITY OF NEW MARTINSVILLE	
129.0	WV0109185	I	WETZEL COUNTY LANDFILL	WETZEL COUNTY LANDFILL
133.0	WV0078352	I	PAUL WISSMACH GLASS COMPANY, INC	
133.2	WV0020613	M	CITY OF PADEN CITY	PADEN CITY WWTP
138.2	WV0021814	M	CITY OF SISTERSVILLE	SISTERSVILLE WWTP
142.0	WV0048861	M	FRIENDLY PUBLIC SERVICE DISTRICT	FRIENDLY PSD
142.8	OH0059323	M	FRONTIER BOARD OF EDUCATION	FRONTIER HIGH SCHOOL WWTP
145.0	WV0000094	I	MPM SILICONES, LLC	SISTERSVILLE PLANT
147.0	WV0048861	M	FRIENDLY PUBLIC SERVICE DISTRICT	FRIENDLY WWTP
150.9	WV0051268	M	WEST VIRGINIA DIVISION OF CORRECTIONS	ST. MARYS CORRECTIONAL CENTER
155.1	WV0020168	M	CITY OF ST. MARYS	ST. MARYS WWTP
155.5	WV0111490	I	ST MARYS REFINING COMPANY	
155.6	WV0111635	I	WATSON-HAAS LUMBER CORPORATION	
157.8	WV0024490	M	CITY OF BELMONT	BELMONT WWTP
159.5	OH0099449	I	OHIO OIL GATHERING CORP	BELLS RUN TERMINAL WWT WORKS
160.0	WV0023248	I	ALLEGHENY ENERGY SUPPLY COMPANY, LLC	WILLOW ISLAND POWER STATION
160.6	WV0000787	I	CYTEC INDUSTRIES	WILLOW ISLAND FACILITY
162.9	WV0112640	I	LAMBERT ENTERPRISES, INC.	
164.0	WV0001210	I	CABOT CORPORATION	OHIO RIVER VALLEY PLANT
166.0	WV0112089	I	CARR CONCRETE CORPORATION	
166.8	WV0101443	M	UNION-WILLIAMS PSD	
168.8	OH0127621	I	ERGON TRUCKING, INC.	MARIETTA TERMINAL
171.0	OH0026344	M	CITY OF MARIETTA	MARIETTA WWTP
172.1	WV0022071	M	CITY OF WILLIAMSTOWN	WILLIAMSTOWN WWTP
172.2	OH0104035	I	SUPER AMERICA, INC.	STATION NO. 5237
172.7	WV0054259	I	FENTON ART GLASS COMPANY	
174.9	OH0048747	I	MARATHON ASHLAND PETROLEUM LLC	MARIETTA TERMINALS NOS. 1 AND 2
175.0	OH0005070	I	ASPHALT MATERIALS, INC.	MARIETTA PLANT 2
175.7	OH0003905	I	SOLVAY ADVANCED POLYMERS, LLC	SOLVAY MARIETTA PLANT

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ORMP	Permit Number	Type	Corporation Name	Plant Name
175.7	WV0084221	M	CENTRAL BOAZ PSD	CENTRAL BOAZ PSD
176.7	OH0099252	I	PRAXAIR, INCORPORATED	MARIETTA PLANT
176.8	OH0099538	I	AMERICAN MUNICIPAL POWER-OHIO, INC.	RH GORSUSH STATION WWTP
176.9	OH0004006	I	ELKEM METALS COMPANY	MARIETTA PLANT
179.2	OH0006751	I	CHEVRON ASPHALT COMPANY	MARIETTA TERMINAL
180.3	WV0001422	I	MANVILLE BUILDING MATERIALS CORPORATION	
181.4	WV0023221	M	CITY OF VIENNA	VIENNA WWTP
182.1	OH0005665	I	DEGUSSA ENGINEERED CARBONS, LLC	BELPRE OHIO CARBON BLACK FACILITY
183.2	WV0025011	M	CITY OF PARKERSBURG	PARKERSBURG WTP
183.4	WV0023213	M	PARKERSBURG UTILITY BOARD	PARKERSBURG WWTP
185.7	OH0020621	M	CITY OF BELPRE	BELPRE WWTP
189.7	OH0041335	I	SHELLY MATERIALS INC.	PRICE ISLAND TERMINAL
190.1	WV0001279	I	E.I. DU PONT DE NEMOURS AND COMPANY	WASHINGTON WORKS
191.5	WV0000841	I	SABIC INNOVATIVE PLASTICS	
192.8	WV0076546	I	SENTINEL TRANSPORTATION CO.	PERMIT ISSUED TO CONOCO, INC. (NOW DUPONT COMPANY)
193.0	WV0001775	I	AGA GAS INC.	
195.5	WV0032590	M	LUBECK PSD	LUBECK PSD
210.8	OH0030643	I	TUPPERS PLAINS	CHESTER WATER PLANT
220.8	WV0021989	M	CITY OF RAVENSWOOD	RAVENSWOOD WWTP
226.9	WV0000779	I	CENTURY ALUMINUM OF WV, INC.	
227.3	WV0115932	I	ALCAN ROLLED PRODUCTS, LLC	
229.0	WV0110175	I	PLASMA PROCESSING CORPORATION	
229.4	WV0116661	I	ARMSTRONG WORLD INDUSTRIES	
231.5	WV0046434	I	McCOY DEVELOPMENT CORP.	MILLWOOD SUBDIVISION WWTP
232.0	OH0005983	I	MARTIN MARIETTA AGGREGATES	APPLE GROVE PLANT
234.2	OH0004413	I	THE SHELLY COMPANY, RICHARDS AND SON, INC	
235.7	WV0092100	I	JESCO CORPORATION	SAND AND GRAVEL MINING
237.5	OH0059561	I	OHIO POWER COMPANY	RACINE HYDROELECTRIC PLANT
241.6	WV0000426	I	FELMAN PRODUCTION, INC	
241.9	WV0001058	I	APPALACHIAN POWER COMPANY	AEP - PHILLIP SPORN PLANT
242.0	WV0048500	I	APPALACHIAN POWER COMPANY	AEP - MOUNTAINEER PLANT
243.0	OH0050661	M	SYRACUSE - RACINE REGIONAL SEWER DISTRICT	SYRACUSE - RACINE WWTP
245.0	WV0032531	M	TOWN OF NEW HAVEN	NEW HAVEN WWTP
247.1	OH0114944	I	ASHLAND BRANDED MARKETING INC.	BULK PLANT #490
247.2	OH0127680	I	G & M FUEL COMPANY	BULK TERMINAL
250.2	OH0021725	M	VILLAGE OF POMEROY	POMEROY WWTP
250.7	WV0021849	M	TOWN OF MASON	MASON WWTP
255.0	OH0026514	M	VILLAGE OF MIDDLEPORT	MIDDLEPORT WWTP

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ORMP	Permit Number	Type	Corporation Name	Plant Name
256.4	WV0105619	M	MASON COUNTY PSD	
258.1	OH0028762	I	OHIO POWER COMPANY	GENERAL JAMES GAVIN PLANT
260.0	OH0005282	I	OHIO VALLEY ELECTRIC COPORATION	KYGER CREEK
260.0	WV0075736	M	POINT PLEASANT WATER WORKS	POINT PLEASANT WTP
260.3	WV0086886	M	CAMP CONLEY PUBLIC SERVICE DISTRICT	MASON COUNTY
262.0	OH0051063	I	GALLIPOLIS HOSPITALITY, INC.	HOLIDAY INN - GALLIPOLIS WWTP
262.9	OH0139947	I	CUSTOM FUEL SERVICES	
263.0	OH0059692	I	MCCARTY CONSTRUCTION INC.	RIVER DOCK WASTEWATER TREATMENT WORKS
264.1	OH0060003	I	WATERLOO COAL COMPANY, INC	WATERLOO RIVER DOCK FACILITY #1
265.0	OH0060151	I	SANDS HILL COAL COMPANY, INC.	ZINN COAL DOCK WWTP
265.4	WV0112046	I	CUSTOM FUEL SERVICES	CUSTOM FUEL SERVICES
265.7	WV0022039	M	CITY OF POINT PLEASANT	POINT PLEASANT WWTP
266.2	OH0125016	I	O-KAN MARINE REPAIR INC.	
266.9	WV0114642	I	KANAWHA RIVER TOWING, INC.	
268.5	OH0006416	M	GALLIA COUNTY RURAL WATER ASSOCIATION	GALLIA COUNTY WTP
268.8	OH0120863	I	BP OIL COMPANY	GALLIPOLIS BULK PLANT
269.8	OH0020478	M	CITY OF GALLIPOLIS	GALLIPOLIS WWTP
273.0	WV0002496	I	ICL SUPRESTA, INC	
274.5	WV0074799	M	MASON COUNTY PUBLIC SERVICE DISTRICT	MASON COUNTY WTP
280.2	WV0000132	I	M & G POLYMERS USA LLC	POINT PLEASANT POLYSTER PLANT-MASON COUNTY
282.1	WV0079138	I	APPLE GROVE LANDFILL	
300.0	WV0114383	I	ARROW CONCRETE COMPANY	
300.5	WV0115398	M	ALCON RESEARCH, LTD	
301.0	WV0104647	I	YMCA GLENBRIER	
303.5	WV0032484	I	CHEVRON HUNTINGTON LIGHT OIL	HUNTINGTON TERMINAL
304.6	WV0023159	M	CITY OF HUNTINGTON SANITARY BOARD	HUNTINGTON WWTP
313.1	OH0094684	M	LAWRENCE COUNTY, BOARD OF COMMISSIONERS	UNION-ROME TOWNSHIPS SUBSEWER DISTRICT WWTP
314.7	WV0064238	I	OGLEBAY NORTON COMPANY	
315.0	WV0115380	I	KOSMOS CEMENT CO	KOSMOS CEMENT CO
315.4	WV0027090	I	SUN OIL COMPANY	
316.0	WV0116432	I	KANAWHA RIVER TERMINAL LLC	
316.1	WV0035912	M	CITY OF KENOVA	KENOVA WWTP
317.0	OH0021814	M	VILLAGE OF SOUTH POINT	SOUTH POINT WWTP
317.1	KY0000388	I	ASHLAND PETROLEUM COMPANY	CATLETTSBURG REFINERY
317.1	KY0035467	M	CITY OF CATLETTSBURG	CATLETTSBURG WWTP
318.4	OH0076392	I	ASHLAND SERVICES COMPANY	FORMER SOUTH POINT ETHANOL SITE
320.3	KY0000558	I	AK STEEL CORPORATION	AK STEEL CORPORATION - COKE PLANT
321.0	KY0060399	I	AK STEEL CORPORATION - WEST WORKS	NORTON LANDFILL
321.1	KY0099651	I	PROGRESS METALS RECLAMATION CO.	

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ORMP	Permit Number	Type	Corporation Name	Plant Name
321.3	KY0022373	M	CITY OF ASHLAND	ASHLAND WWTP
322.7	KY0094005	I	PACTIV CORPORATION	
323.5	KY0000485	I	AK STEEL CORPORATION	ASHLAND WORKS
323.8	OH0060097	I	OLIVER M. ELAM JR. COMPANY, INC.	
324.0	OH0029432	M	VILLAGE OF COAL GROVE	COAL GROVE WWTP
324.4	OH0076619	I	IRONTON COAL COMPANY, ADDINGTON INCORPORATED	IRONTON COAL LOADING FACILITY
324.9	OH0059897	I	RAIL RIVER TERMINAL	
326.4	KY0000124	I	CSX TRANSPORTATION	RUSSELL YARD
327.1	OH0008516	M	CITY OF IRONTON	IRONTON WTP
327.2	OH0025852	M	CITY OF IRONTON	IRONTON WWTP
327.4	KY0109479	M	CITY OF RUSSELL	RUSSELL WTP
327.5	KY0048348	M	GREENUP COUNTY ENVIRONMENTAL COMMISSION	GREENUP COUNTY WWTP
328.5	KY0022926	M	CITY OF WORTHINGTON	WORTHINGTON WWTP
332.3	KY0033553	M	CITY OF WURTLAND	WURTLAND WWTP
332.5	KY0000493	I	E.I. DU PONT DE NEMOURS AND COMPANY	WURTLAND PLANT
332.6	KY0094790	I	SUN CHEMICAL PCI, INCORPORATED	
332.6	KY0000493	I	E.I. DU PONT DE NEMOURS AND COMPANY	WURTLAND PLANT
333.3	OH017931	I	DUKE ENERGY	HANGING ROCK ENERGY FACILIITY
333.5	OH0099309	I	DOW CHEMICAL CO., USA	HANGING ROCK PLANT
336.1	OH0007391	I	SUNOCO CHEMICALS	HAVERHILL PLANT
336.4	KY0026450	M	CITY OF GREENUP	GREENUP WWTP
347.2	OH0060089	I	STANDARD LAFARGE COMPANY	WHEELERSBURG DOCK
349.0	OH0027201	M	CITY OF PORTSMOUTH	SCIOTOVILLE WWTP
349.2	OH0050962	I	BP AMOCO PLC	BP AMOCO SCIOTOVILLE TERMINAL
350.8	OH0008621	M	CITY OF PORTSMOUTH	PORTSMOUTH WTP
351.8	OH0020613	M	VILLAGE OF NEW BOSTON	NEW BOSTON WWTP
353.6	OH0027197	M	CITY OF PORTSMOUTH	PORTSMOUTH WWTP
353.8	KY0026131	M	CITY OF SOUTH SHORE	SOUTH SHORE WWTP
358.0	KY0075914	I	SAXONY VILLAGE APARTMENTS	
363.2	OH0048305	M	OHIO DEPARTMENT OF NATURAL RESOURCES	SHAWNEE STATE PARK MARINA WWTP
375.5	KY0092061	I	ELECTRIC PLANT BOARD	VANCEBURG LEWIS COUNTY INDUSTRIAL AUTHORITY
375.7	KY0100528	I	SUPERIOR FIBERS, LLC	
378.4	KY0021512	M	ELECTRIC PLANT BOARD	VANCEBURG WWTP
397.8	OH0020842	M	VILLAGE OF MANCHESTER	MANCHESTER WWTP
400.0	OH0023825	M	VILLAGE OF ABERDEEN	ABERDEEN WWTP
405.7	OH0004316	I	DAYTON POWER AND LIGHT COMPANY	J.M. STUART STATION
405.9	KY0105091	M	WESTERN LEWIS RECTORVILLE WATER COOPERATIVE	WESTERN LEWIS RECTORVILLE WATER COOP, MUN. WATER SUPPLY WELL
407.2	KY0100196	I	EPT, DRIVES AND COMPONENTS	EMERSON POWER TRANSMISSION

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ORMP	Permit Number	Type	Corporation Name	Plant Name
408.5	KY0000477	I	WALD MANUFACTURING COMPANY, INC.	
409.8	KY0091359	I	HARPER OIL PRODUCTS, INC.	HARPER OIL PRODUCTS, INCORPORATED
411.2	KY0020257	M	MAYSVILLE UTILITY COMMISSION	MAYSVILLE STP
413.2	KY0094463	I	TEMPLE-INLAND	MAYSVILLE MILL
413.2	KY0022250	I	EAST KENTUCKY POWER COOPERATIVE	HUGH L. SPURLOCK POWER STATION
417.1	OH0020966	M	VILLAGE OF RIPLEY	RIPLEY WWTP
417.2	OH0127175	M	BROWN COUNTY RURAL WATER ASSOCIATION, INC.	RURAL WATER WELLFIELD WTP
424.5	OH0134091	M	VILLAGE OF HIGGINSPORT	HIGGINSPORT WWTP
427.7	KY0021261	M	CITY OF AUGUSTA	AUGUSTA WWTP
441.5	KY0045284	I	DRAVO LIME COMPANY	BLACK RIVER DIVISION
442.7	OH0096571	M	VILLAGE OF MOSCOW	MOSCOW WWTP
443.2	OH0048836	I	DUKE ENERGY OHIO, INC	WILLIAM H. ZIMMER POWER STATION
445.0	KY0090603	I	SPANGLER APARTMENTS	
447.7	OH0010677	M	TATE MONROE WATER ASSOCIATION INC.	TATE MONROE WTP
449.9	OH0021156	M	VILLAGE OF NEW RICHMOND	NEW RICHMOND WWTP
451.4	KY0105031	M	SANITATION DISTRICT NO. 1	EASTERN REGIONAL WWTP
453.0	OH0009865	I	DUKE ENERGY OHIO, INC	W.C. BECKJORD STATION
455.1	OH0049361	M	CLERMONT COUNTY BOARD OF COMMISSIONERS	NINE MILE CREEK WWTP
457.3	KY0088749	I	PRESTRESS SERVICES, INCORPORATED	
462.8	OH0009083	M	GREATER CINCINNATI WATERWORKS	RICHARD MILLER WTP
465.2	OH0025453	M	HAMILTON COUNTY BOARD OF COMMISSIONERS-METROPOLTIAN SEWER	LITTLE MIAMI WWTP - MSD OF GREATER CINCINNATI
465.7	OH0085936	I	QUEEN CITY TERMINALS, INC.	
470.0	0H0010031	I	HILLTOP BASIC RESOURCES, INC.	RIVER TERMINAL PLANT
472.5	OH0025461	M	HAMILTON COUNTY COMMISSIONERS	MILL CREEK WWTP
474.4	OH0010120	I	PETER CREMER NORTH AMERICA LP	
474.5	KY0001406	I	BP OIL PIPELINE CO., BROMLEY	BROMLEY TERMINAL
475.6	KY0063274	I	TRANSMONTAIGNE, INCORPORATED	TRANSMONTAIGNE PRODUCT SERVICE, INC.
475.8	OH0047457	I	THE VALVOLINE COMPANY	WWTP
477.0	OH0009598	I	MARATHON ASHLAND PETROLEUM LLC	CINCINNATI LIGHT OIL TERMINAL
477.4	KY0021466	M	SANITATION DISTRICT NO.1 OF CAMPBELL & KENTON COUNTIES	DRY CREEK WWTP
479.4	OH0105716	I	KINDER MORGAN RIVER TRANSPORTATION TERMINAL	
482.0	KY0099694	I	McGINNIS, INCORPORATED	HEBRON DIVISION
482.2	OH0025470	M	HAMILTON COUNTY COMMISSIONERS METRO SEWER DIST	MUDDY CREEK WWTP
483.8	KY0094072	M	SANITATION DISTRICT NO. 1	RIVERSHORE FARMS SUBDIVISION WWTP
484.4	OH0009946	I	INEOS ABS	ADDYSTON FACILITY, PORT PLASTICS PLANT
486.0	OH0024678	M	BOARD OF COMMISSIONERS HAMILTON COUNTY	INDIAN CREEK WWTP
489.7	OH001006	I	MARATHON PETROLEUM CO LLC	NORTH BEND ASPHALT
489.8	OH0009571	I	AGRIUM U.S., INC.	NORTH BEND NITROGEN OPERATIONS
490.0	OH0009873	I	DUKE ENERGY OHIO, INC	MIAMI FORT STATION

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ORMP	Permit Number	Type	Corporation Name	Plant Name
493.0	IN0024538	M	SOUTH DEARBORN REGIONAL SEWER DISTRICT	SOUTH DEARBORN REGIONAL WWTP
494.2	IN0060950	I	PSEG LAWRENCEBURG ENERGY CO.	PSEG
495.0	IN0003131	I	LAWRENCEBURG DISTILLERS INDIANA, LLC	
495.5	IN0002160	I	INDIANA & MICHIGAN POWER (AEP)	TANNERS CREEK PLANT
497.0	IN0050903	M	CITY OF AURORA	CSO OVERFLOW POINTS
502.4	KY0075639	I	RIVER RIDGE PARK, INCORPORATED	RIVER RIDGE PARK WWTP
502.6	KY0080691	M	BOONE COUNTY WATER AND SEWER DISTRICT, SANITATION DISTRICT 1	CHARLES H. KELLY ELEMENTARY SCHOOL
503.0	KY0077917	I	ARLINGHAUS PROPERTIES	ARLINGHAUS PROPERTIES, RIVERSIDE DRIVE
506.0	IN0024431	M	CITY OF RISING SUN	RISING SUN WWTP
510.4	KY0040444	I	DUKE ENERGY KENTUCKY, INC	CINCINNATI GAS & ELECTRIC COMPANY-EAST BEND STATION
516.6	KY0004243	M	KENTUCKY DEPARTMENT OF PARKS	BIG BONE LICK STATE PARK WTP
519.5	IN0056391	M	PATRIOT, TOWN OF	PATRIOT WWTP
529.9	KY0075825	I	CHARLOTTE LOWENDICK SCOTT	RIVER'S EDGE CAMPGROUND
530.0	KY0028118	M	CITY OF WARSAW	WARSAW STP
533.1	KY0100153	I	STEEL TECHNOLOGIES, LP	GHENT FACILITY
534.8	KY0098221	I	GALLATIN STEEL COMPANY	GALLATIN COUNTY STEEL PLANT
535.0	KY0082686	I	GALLATIN TERMINAL COMPANY	
535.3	KY0002038	I	KENTUCKY UTILITIES COMPANY	GHENT GENERATING STATION
537.5	IN0020231	M	TOWN OF VEVAY	VEVAY WWTP
537.9	KY0096890	M	CITY OF GHENT	GHENT WTP
538.7	KY0095877	I	NORTH AMERICAN STAINLESS, LP	
540.5	KY0001279	I	DOW CORNING CORPORATION	CARROLLTON PLANT
543.6	KY0001431	I	ARKEMA INC.	
543.7	KY0071757	I	HARPER OIL PRODUCTS, INC.	
550.5	IN0060470	M	TOWN OF BROOKSBURG WASTEWATER TREATMENT PLANT	BROOKSBURG WWTP
552.0	KY0102920	I	NUGENT SAND COMPANY	MILTON PLANT
552.4	KY0001732	I	AMERIFORM MANUFACTURING, INCORPORATED	
556.6	KY0088625	M	CITY OF MILTON	MILTON WWTP
558.6	IN0025666	M	CITY OF MADISON	MADISON WWTP
560.0	IN0001759	I	INDIANA - KENTUCKY ELECTRIC CORPORATION	CLIFTY CREEK STATION
562.5	IN0020702	M	TOWN COUNCIL OF HANOVER	HANOVER WWTP
571.3	KY0041971	I	LOUISVILLE GAS AND ELECTRIC COMPANY	TRIMBLE COUNTY GENERATING STATION
586.0	IN0053571	I	MULZER CRUSHED STONE, INC.	CHARLESTOWN QUARRY
589.5	KY0038580	M	OLDHAM COUNTY SANITATION DISTRICT	CARDINAL HARBOUR WWTP
592.0	IN0020508	M	CITY OF CHARLESTOWN	CHARLESTOWN WWTP
593.5	IN0001163	I	U.S. DEPARTMENT OF THE ARMY	INDIANA ARMY AMMUNITION PLANT
596.9	KY0044261	M	LOUISVILLE & JEFFERSON COUNTY MSD	GLENVIEW BLUFF SUBDIVISION WWTP
600.0	IN0060224	M	INDIANA-AMERICAN WATER CO., INC./SIOTC	JEFFERSONVILLE SOUTHERN INDIANA OPERATIONS & TREATMENT CNTR

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ORMP	Permit Number	Type	Corporation Name	Plant Name
600.5	KY0097241	I	RIVER ROAD TERMINAL, INC.	
600.7	KYG640139	M	LOUISVILLE WATER COMPANY	B.E. PAYNE WTP
600.8	KY0001830	M	LOUISVILLE WATER COMPANY	ZORN AVENUE WTP
601.1	KY0095702	I	LOUISIANA DOCK COMPANY LLC	
601.2	KY0098710	I	NUGENT SAND COMPANY	NUGENT SAND COMPANY EXTRUSION MILL
602.0	IN0023965	M	OAK PARK CONSERVANCY DISTRICT	OAK PARK CONSERVANCY DISTRICT WWTP
603.0	KY0046027	I	MISSOURI PORTLAND CEMENT COMPANY	LOUISVILLE PLANT
603.0	KY0105236	I	MUHAMMAD ALI CENTER	MUHAMMAD ALI CENTER
603.0	KY0054771	I	MARATHON ASHLAND PETROLEUM LLC	LOUISVILLE RIVER ROAD ASPHALT TERMINAL
603.3	KY0002101	I	LOUISVILLE GAS AND ELECTRIC COMPANY	WATERSIDE STATION
603.5	KY0069809	I	HUMANA, INC.	HUMANA BUILDING
603.5	KY0053783	I	JEFFERSON COUNTY MEDICAL CENTER	MEDICAL CENTER STEAM AND CHILLED WATER PLANT
603.5	KY0080675	I	AL J. SCHNEIDER CO.	GALT HOUSE HOTEL
604.1	IN0023302	M	CITY OF JEFFERSONVILLE & ENVIRONMENTAL MANAGEMENT CORP.	JEFFERSONVILLE WWTP
604.4	IN0060186	I	NATIONWIDE TRUCK SERVICE	
604.5	IN0025313	I	MARATHON ASHLAND PETROLEUM COMPANY	CLARKSVILLE TERMINAL
606.0	KY0002089	I	LOUISVILLE GAS AND ELECTRIC COMPANY	OHIO FALLS GENERATING STATION
606.0	IN0047058	M	TOWN OF CLARKSVILLE	CLARKSVILLE WWTP
606.2	KY0020320	M	U.S. ARMY CORPS OF ENGINEERS-LOUISVILLE	LOUISVILLE REPAIR STATION
606.4	IN0002666	I	CALDWELL-MOSER LEATHER CO., INC.	
606.8	KY0105163	I	TGM CONSTRUCTORS, DBA	MCALPINE LOCK & DAM
609.5	IN0023884	M	CITY OF NEW ALBANY	NEW ALBANY WWTP
610.0	IN0002798	I	PUBLIC SERVICE COMPANY OF INDIANA	GALLAGHER GENERATING STATION
610.5	KY0070301	I	HEYBURN PARTNERSHIP	HEYBURN BUILDING
611.2	KY0002291	I	MARATHON ASHLAND PETROLEUM , LLC	LOUISVILLE-ALGONQUIN TERMINAL
611.6	KY0089711	I	BP PRODUCTS NORTH AMERICA, INCORPORATED	BP LOUISVILLE TERMINAL
612.0	KY0021610	I	ASHLAND INCORPORATED	
612.0	KY0022411	M	LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT	MORRIS FORMAN WWTP
612.3	KY0097179	I	CARBIDE/GRAPHITE GROUP, INC	LOUISVILLE PLANT
612.5	KY0101257	I	FIVE M TRANSPORTATION	
612.9	KY0002305	I	ROHM AND HAAS COMPANY	
613.0	KY0002071	I	LOUISVILLE GAS AND ELECTRIC COMPANY	PADDY'S RUN STATION
613.1	KY0001007	I	REYNOLDS METALS COMPANY	LOUISVILLE PLANT NO. 3
613.1	KY0001589	I	AMERICAN SYNTHETIC RUBBER COMPANY, LLC	
613.1	KY0001457	I	OXY VINYLS, LP	BF GOODRICH COMPANY
613.4	KY0001350	I	E.I. DU PONT DE NUMOURS AND COMPANY, INC.	
613.6	KY0002976	I	CITGO PETROLEUM CORPORATION	LOUISVILLE TERMINAL
614.1	KY0064629	I	MARATHON OIL COMPANY	
614.4	KY0002780	I	ASTRAZENECA	ATKEMIX TEN, INCORPORATED

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ORMP	Permit Number	Type	Corporation Name	Plant Name
614.8	KY0001112	I	HEXION SPECIALITY CHEMICALS, INC.	
617.4	IN0059781	M	RDI / CAESARS RIVERBOAT CASINO, L.L.C.	CAESARS INDIANA GAMING FACILITY WWTP
617.4	KY0002062	I	LOUISVILLE GAS AND ELECTRIC COMPANY	CANE RUN GENERATING STATION
617.6	KY0097659	I	ELG METALS, INCORPORATED	
619.2	KY0090875	I	LOUISVILLE AND JEFFERSON COUNTY RIVERPORT AUTHORITY	
619.7	KY0086665	I	INTERPOLYMER CORPORATION	
619.8	KY0103993	I	THORNTON TRANSPORTATION	THORNTON TRANSPORTATION TERMINAL
620.1	KY0021881	I	MARATHON ASHLAND PETROLEUM, LLC	LOUISVILLE CANE RUN ROAD ASHALT TERMINAL
620.1	KY0096504	I	DJ/NYPRO	DJ/NYPRO LOUISVILLE
620.5	KY0021881	I	MARATHON ASHLAND PETROLEUM LLC	LOUISVILLE ASPHALT TERMINAL
621.3	KY0100803	I	JOHNSTOWN ROAD ELEMENTARY SCHOOL	JOHNSTOWN SCHOOL WWTP
621.5	IN0054852	I	US SILICA COMPANY	
622.9	KY0078956	M	LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT	WEST COUNTY WWTP
626.0	KY0003221	I	LOUISVILLE GAS AND ELECTRIC COMPANY	MILL CREEK STATION
627.3	KY0001210	I	KOSMOS CEMENT COMPANY	KOSMOS CEMENT COMPANY-LOUISVILLE PLANT
627.8	KY0087386	I	LOUISVILLE ENVIRONMENTAL SERVICES	WEST POINT FACILITY
630.5	KY0022152	M	CITY OF WEST POINT	WEST POINT WWTP
637.4	KY0074268	M	OTTER CREEK PARK LODGE	OTTER CREEK PARK WWTP
642.3	KY0043478	I	DOE VALLEY UTILITIES, INC.-	DOE VALLEY WWTP
642.9	KY0021474	M	CITY OF BRANDENBURG	BRANDENBURG WWTP
643.7	KY0002119	I	ARCH CHEMICALS INC.	ARCH CHEMICALS INC.
648.0	IN0060895	I	MULZER CRUSHED STONE, INC.	NEW AMSTERDAM QUARRY
664.0	IN0021121	M	TOWN OF LEAVENWORTH	LEAVENWORTH WWTP
674.0	IN0001139	I	MULZER CRUSHED STONE, INC.	CAPE SANDY QUARRY
710.0	KY0023272	I	CLOVER CREEK BRICK AND TILE	
711.3	KY0026701	M	CITY OF CLOVERPORT	CLOVERPORT WWTP
719.9	KY0001716	I	WEYERHAEUSER COMPANY	HAWESVILLE OPERATION-BLEACHED PULP MILL
725.6	KY0092118	I	ROLL COATER, INCORPORATED	
726.1	KY0101141	I	ALCOA AUTOMOTIVE CASTINGS	KENTUCKY CASTING CENTER
726.1	KY0065838	M	HANCOCK RIVERPORT PROPERTIES	
726.2	IN0001406	I	MAXON MARINE, INC.	
726.3	KY0101206	I	ALCOA	HAWESVILLE WORKS
726.5	IN0043460	M	TELL CITY WATER DEPARTMENT	TELL CITY WTP
726.6	IN0021016	M	CITY OF TELL CITY	TELL CITY WWTP
727.0	KY0001821	I	CENTURY ALUMINUM OF KENTUCKY, LLC	DIVISION OF SOUTHWIRE COMPANY
727.1	KY0002747	I	SOUTHWIRE COMPANY	
728.0	IN0059692	I	MULZER CRUSHED STONE, INC.	CAPE SANDY BARGE WATER DISCHARGE
728.1	KY0001937	I	BIG RIVERS ELECTRIC CO	KENNETH C. COLEMAN STATION
737.7	KY0052744	M	CITY OF LEWISPORT	LEWISPORT WTP

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ORMP	Permit Number	Type	Corporation Name	Plant Name
738.1	KY0023281	I	DAL-TILE INTERNATIONAL	
738.6	KY0025241	M	CITY OF LEWISPORT	LEWISPORT WWTP
743.5	IN0038300	M	TOWN OF GRANDVIEW	GRANDVIEW WWTP
744.7	IN0051845	I	INDIANA & MICHIGAN POWER (AEP)	ROCKPORT GENERATING FACILITY
746.2	IN0021067	M	CITY OF ROCKPORT	ROCKPORT WWTP
749.2	IN0055620	I	ROCKPORT RIVER TERMINAL, INC.	ROCKPORT RIVER TERMINAL
749.7	KY0104566	I	KINDER MORGAN BULK TERMINALS, INC.	OWENSBORO GATEWAY TERMINAL
751.4	KY0100471	I	EVANSVILLE MARINE SERVICE, INC.	EMS OWENSBORO BARGE WASH
751.9	KY0101109	I	POLYPORE INTERNATIONAL, LLC	DARAMIC, INC
752.0	KY0099911	I	SPECIALTY PAPERBOARD, INC.	ENDURA PRODUCTS DIVISION
752.0	KY0001953	I	OWENSBORO SPECIALITY POLYMERS, LLC	
752.8	KY0001295	M	OWENSBORO MUNICIPAL UTILITIES	ELMER SMITH ELECTRIC GENERATING STATION
753.0	KY0083771	I	KENTUCKY FRIED CHICKEN	KENTUCKY FRIED CHICKEN WWTP
753.2	KY0095711	I	SOUTHERN STATES COOPERATIVE, INCORPORATED	SOUTHERN STATES RIVER TERMINAL COMPANY
753.5	KY0001571	I	GREEN RIVER STEEL CORPORATION	
753.9	KY0076147	I	BUEHLER-RUCKRIEGEL	LONG JOHN SILVER'S SEAFOOD RESTAURANT, NO.3 WWTP
754.0	KY0033421	I	BROOKHAVEN EAST 60 APARTMENTS	EAST 60 APARTMENTS WWTP
754.5	KY0023817	I	WYNDALL'S CENTER	WYNDALL'S CENTER WWTP
754.5	KY0071684	I	KROGER COMPANY	KROGER FOOD STORE L-336
754.6	KY0056103	I	OSCAR HORNSBY, INC.	SUPER TEST FOOD MART #22
754.6	KY0073377	M	CITY OF OWENSBORO	OWENSBORO WWTP EAST
754.9	KY0069752	I	MCDONALD'S CORPORATION	MCDONALD'S WWTP
755.3	KY0046019	I	LAFARGE CORPORATION	
755.5	KY0090280	I	OWENSBORO GRAIN COMPANY, INCORPORATED	
755.5	KY0001031	I	SARERAC NORTH AMERICA, INC	
756.0	KY0095729	I	OWENSBORO GRAIN COMPANY - GROUNDWATER REMEDIATION	
757.5	KY0001520	I	SPECIALITY FOOD GROUP	
757.8	KY0020095	M	REGIONAL WATER RESOURCE AGENCY	OWENSBORO - WEST WWTP
757.9	KY0101184	I	DES-BROTHERS MOTEL ASSOCIATES	HOLIDAY INN - OWENSBORO
759.0	KY0093734	I	DART POLYMERS, INCORPORATED	
759.5	KY0099724	I	EAST/WEST MARINE TERMINALS	
768.7	KY0095192	I	KIMBERLY CLARK CORPORATION	OWENSBORO FACILITY
772.5	IN0048429	I	YANKEETOWN DOCK CORPORATION	
773.1	IN0002259	I	SIGECO	F.B. CULLEY SATION
773.5	IN0001155	I	ALUMINUM COMPANY OF AMERICA (ALCOA)	WARRICK OPERATIONS
778.0	IN0023892	M	TOWN OF NEWBURGH	NEWBURGH WWTP
779.0	IN0062839	I	MULZER CRUSHED STONE, INC	NEWBURGH FACILITY
784.2	IN0062243	I	PEABODY MIDWEST MINING, L.L.C.	OHIO RIVER TERMINAL

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ORMP	Permit Number	Type	Corporation Name	Plant Name
784.9	KY0099422	I	OHIO VALLEY MARINE SERVICES, INC.	
790.0	IN0025348	I	MARATHON ASHLAND PETROLEUM COMPANY	EVANSVILLE TERMINAL
791.5	IN0043117	M	CITY OF EVANSVILLE	EVANSVILLE WTP
792.5	IN0033073	M	CITY OF EVANSVILLE & ENVIRONMENTAL MANAGEMENT CORP.	EVANSVILLE EAST WWTP
793.5	IN0002241	I	SOUTHERN INDIANA GAS AND ELECTRIC COMPANY	OHIO RIVER GENERATING STATION
793.6	IN0047091	I	EVANSVILLE TERMINAL CORPORATION	BLACK BEAUTY COAL CO.
794.0	IN0032956	M	CITY OF EVANSVILLE & ENVIRONMENTAL MANAGEMENT CORP.	EVANSVILLE WEST WWTP
794.5	KY0099511	I	EVANSVILLE MARINE SERVICE, INCORPORATED	EVANSVILLE MARINE SERVICE
801.0	KY0095435	I	TRANSMONTAIGNE TERMINALING, INC.	
804.0	KY0002178	I	HENDERSON MUNICIPAL POWER AND LIGHT	
805.6	KY0020711	M	HENDERSON WATER UTILITY	HENDERSON WWTP #1
807.3	KY0002534	I	IMC-AGRICO CHEMICAL COMPANY	IMC-AGRICO CHEMICAL COMPANY
807.5	KY0100277	I	CONSOLIDATED GRAIN & BARGE MARINE SERVICES	CGB MARINE SERVICES
807.5	KY0092126	I	HENDERSON COUNTY RIVERPORT AUTHORITY	
807.5	KY0024643	I	CUSTOM RESINS, INCORPORATED	CUSTOM RESINS, INCORPORATED
808.0	KY0026514	I	HENDERSON TEMINALING CO.	HENDERSON TERMINALING COMPANY
817.0	IN0052191	I	SOUTHERN INDIANA GAS AND ELECTRIC COMPANY	A.B. BROWN GENERATING STATION
828.2	KY0100773	I	MT. VERNON BARGE SERVICE, INC.	MT. VERNON BARGE SERVICE INC
829.3	IN0035696	M	CITY OF MOUNT VERNON	MT. VERNON WWTP
829.3	IN0003921	M	CITY OF MOUNT VERNON WATER WORKS	MOUNT VERNON WATER WORKS
829.7	IN0002470	I	COUNTRYMARK CO-OP INC.	INDIANA FARM BUREAU REFINERY
830.1	IN0001970	I	MG INDUSTRIES	
830.4	IN0049948	I	MARATHON PETROLEUM COMPANY	MT VERNON TERMINAL
830.8	IN0002895	I	BABCOCK AND WILCOX COMPANY	
831.1	IN0059773	I	CF INDUSTRIES, INC.	MT VERNON TERMINAL
831.2	IN0002101	I	GENERAL ELECTRIC COMPANY	
842.1	KY0025844	M	CITY OF UNIONTOWN	UNIONTOWN WWTP
852.7	KY0001996	I	ISLAND CREEK COAL COMPANY	MORGANFIELD PLANT
859.5	IL0021776	M	CITY OF SHAWNEETOWN	CITY OF SHAWNEETOWN STP
880.5	IL0055581	M	VILLAGE OF CAVE IN ROCK	CAVE IN ROCK STP
889.0	IL0028690	M	VILLAGE OF ELIZABETHTOWN	ELIZABETHTOWN WWTP
891.5	IL0034207	M	CITY OF ROSICLARE	CITY OF ROSICLARE STP
891.7	IL0004251	I	OZARK - MAHONING COMPANY	JOHNSON WORKS, ROSICLARE TAILINGS PONDS
903.0	IL0028991	M	CITY OF GOLCONDA	GOLCONDA WWTP
929.1	KY0096776	I	MCGINNIS, INCORPORATED, DBA	NATIONAL MAINTENANCE & REPAIR OF KENTUCKY, INCORPORATED
934.3	KY0073113	M	PADUCAH WATER WORKS	PADUCAH WTP
934.6	KY0021695	I	MID WEST TERMINAL, INC.	
936.0	KY0022799	M	PADUCAH-McCRACKEN COUNTY JOINT SEWER AGENCY	PADUCAH WWTP

Appendix A: Ohio River Discharge Information

ORMP	Permit Number	Type	Corporation Name	Plant Name
937.5	IL0027782	M	CITY OF BROOKPORT	BROOKPORT STP
942.9	IL0073717	I	U.S. INITED BARGE LINE	METROPOLIS LOCATION
943.5	KY0099368	I	TECO BARGE COMPANY	PADUCAH LOCATION
943.8	KY0042838	I	TYLER MOUNTAIN WATER COMPANY	RAINBOW DIVISION
944.0	IL0029874	M	CITY OF METROPOLIS	METROPOLIS WWTP
944.5	IL0076252	M	CITY OF METROPOLIS	METROPOLIS WATER TREATMENT PLANT
945.0	IL0004421	I	HONEYWELL INTERNATIONAL INCORPORATED	METROPOLIS WORKS
946.0	KY0004049	I	DEPARTMENT OF ENERGY	PADUCAH GASEOUS DIFFUSION PLANT
946.0	KY0004219	I	TENNESSEE VALLEY AUTHORITY	SHAWNEE FOSSIL PLANT
949.5	IL0004081	I	LAFARGE CORPORATION	CEMENT GROUP/ JOPPA PLANT
952.0	IL0004171	I	ELECTRIC ENERGY, INC.	JOPPA GENERATING STATION
952.0	ILG580156	M	JOPPA SANITARY DISTRICT	JOPPA STP
952.5	IL0042773	I	OHIO POWER COMPANY	COOK COAL TERMINAL
973.0	IL0071439	I	CGB WATERFRONT SERVICES	CONSOLIDATED GRAIN & BAGE WATERFRONT SERVICES
973.9	IL0041891	M	CITY OF MOUND CITY	MOUND CITY STP
974.0	IL0077674	I	MOUNDS PRODUCTION COMPANY, LLC	MOUNDS PRODUCTION COMPANY, LLC
975.9	IL0069205	I	AMERICAN COMMERCIAL MARINE SERVICE COMAPANY	LOUISIANA DOCK COMPANY, LLC
979.0	IL0023825	M	CITY OF CAIRO	CAIRO STP

Appendix B:
Monitoring Locations

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	341.0	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	846.0	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	Mile point 84.2, Ohio Fishing Pier at Pike Island
		A grab sample is collected from the park downstream of Pike Island Dam
		on the right descending bank
	Site 2	Milepoint 86.8, at the Wheeling Water Department Intake
		A grab sample is collected from the raw water intake
	Site 3	Mile point 91.4, below Wheeling Island
		A surface grab sample is collected from the right descending bank
	Site 4	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 463.9, at AquaRamp Harbor and Marina
		A surface grab sample is collected from a dock on the left descending bank
	Site 3	Mile point 469.9, at Who-Dey Shuttle Dock
		A surface grab sample is collected from a dock on the left descending bank
	Site 4	Mile point 470.0, at the Serpentine Wall
		A surface grab sample is collected on the right descending bank
	Site 5	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	Ohio River 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 B: Longitudinal Sampling Locations

Mile Point	River
1.0	Monongahela
1.0	Allegheny
1.5	Ohio
3.3	Ohio
6.2	Emsworth L&D
6.4	Ohio
9.5	Ohio
11.4	Ohio
12.5	Ohio
13.2	Dashields L&D
14.4	Ohio
17.7	Ohio
20.5	Ohio
20.8	Ohio
21.8	Ohio
22.9	Ohio
25.5	Ohio
1.0	Beaver
25.8	Ohio
26.4	Ohio
28.3	Ohio
31.7	Montgomery L&D
32.9	Ohio
37.6	Ohio
41.2	Ohio
44.8	Ohio
48.7	Ohio
52.5	Ohio
54.4	New Cumberland L&D
56.4	Ohio
60.3	Ohio
66.4	Ohio
68.2	Ohio
70.7	Ohio
71.8	Ohio
74.9	Ohio
80.2	Ohio
84.2	Pike Island L&D
85.6	Ohio
91.2	Ohio
94.2	Ohio
97.8	Ohio
102.6	Ohio
107.7	Ohio
113	Ohio
118.3	Ohio
123.7	Ohio
124.9	Ohio
126.4	Hannibal L&D
129.1	Ohio
133.4	Ohio
138.7	Ohio
144.2	Ohio
149.6	Ohio
155	Ohio
160.4	Ohio
161.7	Willow Island L&D
165.8	Ohio
171.2	Ohio
1	Muskingum
175.1	Ohio
179.4	Ohio
183.5	Ohio
1	L. Kanawha
185.9	Ohio
190.8	Ohio
195.7	Ohio
1	Hocking
200.7	Ohio
203.9	Belleville L&D

Mile Point	River
205.7	Ohio
210.7	Ohio
215.7	Ohio
220.4	Ohio
225.4	Ohio
230.4	Ohio
235.6	Ohio
237.5	Racine L&D
240.4	Ohio
245.4	Ohio
250.4	Ohio
255.5	Ohio
260.6	Ohio
265.7	0.7
1.3	Kanawha
269.8	Ohio
275.2	Ohio
279.2	R.C. Byrd L&D
280.8	Ohio
285.9	Ohio
291.4	Ohio
296.6	Ohio
279.2	R.C. Byrd L&D
280.8	Ohio
285.9	Ohio
291.4	Ohio
296.6	Ohio
302.0	Ohio
1.0	Guyandotte
307.7	Ohio
313.3	Ohio
0.5	Big Sandy
1.0	Big Sandy
317.2	Ohio
321.5	Ohio
327.4	Ohio
327.7	Ohio
328.0	Ohio
332.5	Ohio
1.0	Little Sandy
338.1	Ohio
341.0	Greenup L&D
343.5	Ohio
349.2	Ohio
352.0	Ohio
353.8	Ohio
0.5	Scioto
359.3	Ohio
364.6	Ohio
369.8	Ohio
375.0	Ohio
380.4	Ohio
385.4	Ohio
390.6	Ohio
395.0	Ohio
400.4	Ohio
405.8	Ohio
411.4	Ohio
416.4	Ohio
421.6	Ohio
426.4	Ohio
431.4	Ohio
436.2	Meldahl L&D
436.8	Ohio
441.5	Ohio
446.5	Ohio
451.6	Ohio
455.3	Ohio
460.0	Ohio
1.0	Little Miami

Mile Point	River
465.4	Ohio
468.7	Ohio
1.0	Licking
0.3	Mill Creek
472.7	Ohio
477.6	Ohio
482.2	Ohio
486.2	Ohio
489.7	Ohio
1.0	Great Miami
493.2	Ohio
498.0	Ohio
503.1	Ohio
508.3	Ohio
513.4	Ohio
518.5	Ohio
523.4	Ohio
528.4	Ohio
531.7	Markland L&D
533.2	Ohio
538.5	Ohio
543.5	Ohio
1.5	Kentucky
548.3	Ohio
553.6	Ohio
558.8	Ohio
562.7	Ohio
567.6	Ohio
572.5	Ohio
577.4	Ohio
582.9	Ohio
587.8	Ohio
592.2	Ohio
597.1	Ohio
602.2	Ohio
604.3	Ohio
606.8	McAlpine L&D
607.5	Ohio
609.7	Ohio
612.2	Ohio
617.6	Ohio
623.1	Ohio
628.1	Ohio
1.5	Salt
631.6	Ohio
637.6	Ohio
643.1	Ohio
648.9	Ohio
607.5	Ohio
609.7	Ohio
612.2	Ohio
617.6	Ohio
623.1	Ohio
628.1	Ohio
1.5	Salt
631.6	Ohio
637.6	Ohio
643.1	Ohio
648.9	Ohio
654.0	Ohio
659.2	Ohio
664.2	Ohio
669.1	Ohio
674.5	Ohio
680.4	Ohio
684.9	Ohio
690.7	Ohio
695.6	Ohio
700.9	Ohio
706.2	Ohio

Mile Point	River
711.5	Ohio
717.2	Ohio
720.7	Cannelton L&D
721.5	Ohio
727.0	Ohio
732.5	Ohio
739.2	Ohio
742.4	Ohio
746.4	Ohio
750.6	Ohio
754.8	Ohio
758.0	Ohio
763.2	Ohio
769.1	Ohio
773.6	Ohio
776.1	Newburgh L&D
778.2	Ohio
782.8	Ohio
2.3	Green
787.0	Ohio
792.7	Ohio
794.2	Ohio
799.5	Ohio
805.8	Ohio
811.3	Ohio
817.0	Ohio
823.2	Ohio
829.5	Ohio
832.2	Ohio
837.2	Ohio
842.3	Ohio
846.0	J.T. Meyers
846.5	Ohio
2.0	Wabash
851.3	Ohio
855.5	Ohio
859.7	Ohio
864.4	Ohio
1.4	Saline
869.8	Ohio
1.2	Tradewater
875.7	Ohio
880.7	Ohio
885.0	Ohio
889.2	Ohio
891.7	Ohio
897.5	Ohio
903.2	Ohio
908.0	Ohio
912.6	Ohio
917.6	Ohio
918.5	Smithland L&D
3.3	Cumberland
923.4	Ohio
927.9	Ohio
932.2	Ohio
4.3	Tennessee
936.2	Ohio
937.7	Ohio
938.9	L&D 52
940.9	Ohio
944.2	Ohio
947.5	Ohio
952.2	Ohio
957.7	Ohio
962.6	L&D 53
963.0	Ohio
969.2	Ohio
974.1	Ohio
979.2	Ohio

Appendix C:

Clean Metals

Sampling Results

Total Metals			
	Human Health Protection	Aquatic Life Protection	
Constituent	Criteria (µ/L)	Acute (µ/L)	Chronic (µ/L)
Antimony	5.6		
Arsenic	10		
Barium	1000		
Copper	1300		
Iron	1500 (WV); 2340 (IN); 3500 (KY)		
Mercury	0.012		
Nickel	610		
Selenium	170	20	5
Silver	50		
Thallium	1.7		
Zinc	7400		

Dissolved Metals Aquatic Life Protection				
Constituent	**Acute (µ/L)**	**Acute Dissolved Criterion Conversion Factor**	**Chronic (µ/L)**	**Chronic Dissolved Criterion Conversion Factor**
Arsenic	340		150	
Mercury	1.4		0.77	
Cadmium	$e^{(1.28(\ln Hard)-3.6867)}$	1.136672-[ln(Hard)*0.041838]	$e^{(0.7852(\ln Hard)-2.715)}$	1.101672-[ln(Hard)*0.041838]
Chromium	16		11	
Copper	$e^{(0.9422(\ln Hard)-1.7)}$	0.96	$e^{(0.8545(\ln Hard)-1.702)}$	0.96
Lead	$e^{(1.273(\ln Hard)-1.460)}$	1.46203-[ln(Hard)*0.145712]	$e^{(1.273(\ln Hard)-4.705)}$	1.46203-[ln(Hard)*0.145712]
Nickel	$e^{(0.846(\ln Hard)+2.255)}$	0.998	$e^{(0.846(\ln Hard)+0.0584)}$	0.997
Silver	$e^{(1.72(\ln Hard)-6.52)}$	0.85		
Zinc	$e^{(0.8473(\ln Hard)+0.884)}$	0.978	$e^{(0.8473(\ln Hard)+0.884)}$	0.986

Appendix C: Clean Metals Sampling Results

Total Recoverable Metals Summary Statistics 2012 305b July 2006 - June 2011

Mile Point	Site Name	Statistic	Ag (ug/L)	Al (ug/L)	As (ug/L)	Ba (ug/L)	Ca (mg/L)	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Fe (ug/L)	Hg (ng/L)	Mg (mg/L)	Mn (ug/L)	Ni (ug/L)	Pb (ug/L)	Sb (ug/L)	Se (ug/L)	Tl (ug/L)	Zn (ug/L)
54.4	ew Cumberla	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	2	29	30	30	20	30	30	30	29	0	21	3	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	757	1.3	91.8	44.7	0.13	2.5	8.7	1,716	7.7	12.2	282	6.2	2.5	<0.5	1.6	0.14	18.7
		75th Percen	<0.1	326	0.75	52.2	36.2	<0.1	1.6	5.1	692	2.7	9.8	141	4.0	0.77	<0.5	0.77	<0.1	9.2
		Median	<0.1	157	0.55	45.3	27.1	<0.1	1.3	3.5	367	1.9	7.5	77.4	3.1	0.51	<0.5	0.57	<0.1	6.2
		25th Percen	<0.1	87.9	0.43	39.5	25.5	<0.1	1.1	2.5	189	<1.5	6.7	51.1	2.2	0.36	<0.5	<0.5	<0.1	5.0
84.2	Pike Island	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	3	30	30	30	23	30	30	30	30	0	21	5	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	1,660	1.3	89.4	49.2	0.21	4.4	5.1	3,297	10.0	14.1	347	7.7	4.7	<0.5	1.8	0.17	23.8
		75th Percen	<0.1	429	0.98	56.5	38.3	<0.1	2.1	3.3	936	4.9	10.5	167	4.4	1.2	<0.5	0.89	<0.1	10.8
		Median	<0.1	151	0.64	47.3	30.3	<0.1	1.5	2.6	334	3.0	7.9	86.7	3.1	0.53	<0.5	0.64	<0.1	5.1
		25th Percen	<0.1	99.6	0.48	39.6	25.4	<0.1	1.2	1.9	182	1.5	6.6	40.4	2.1	0.39	<0.5	<0.5	<0.1	3.1
126.4	Hannibal	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	29	30	30	6	30	30	30	22	30	30	30	30	0	25	1	30
		# Violations	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Maximum	<0.1	1,530	1.6	75.0	44.6	0.18	3.3	4.8	3,335	50.8	12.9	371	9.4	4.1	<0.5	1.5	0.10	36.6
		75th Percen	<0.1	441	0.79	57.9	36.4	<0.1	1.6	3.3	939	3.7	10.0	131	4.4	1.2	<0.5	0.94	<0.1	9.1
		Median	<0.1	169	0.63	46.6	29.7	<0.1	1.4	2.6	438	2.6	7.9	87.7	3.2	0.50	<0.5	0.65	<0.1	5.9
		25th Percen	<0.1	97.9	0.48	39.8	27.8	<0.1	1.1	1.9	183	<1.5	7.2	40.5	2.2	0.32	<0.5	0.52	<0.1	3.3
161.8	Willow Island	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	5	30	30	30	21	30	30	30	29	0	22	0	30
		# Violations	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
		Maximum	<0.1	998	1.1	84.5	47.6	0.15	2.9	4.8	2,068	27.1	14.3	283	7.0	2.8	<0.5	2.2	<0.1	21.0
		75th Percen	<0.1	518	0.81	53.9	37.5	<0.1	1.8	3.1	1,207	6.0	10.0	160	4.7	1.4	<0.5	0.91	<0.1	10.5
		Median	<0.1	159	0.65	48.5	30.3	<0.1	1.5	2.6	406	3.7	8.2	90.9	3.3	0.50	<0.5	0.69	<0.1	6.2
		25th Percen	<0.1	107	0.51	41.4	26.5	<0.1	1.2	2.2	200	<1.5	7.0	39.5	2.2	0.30	<0.5	<0.5	<0.1	2.6
203.9	Belleville	# Samples	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		# Detects	0	29	29	29	29	3	29	29	29	23	29	29	29	29	1	22	2	29
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	1,315	1.2	72.2	45.5	0.14	3.3	3.5	2,482	10.8	15.4	235	5.8	2.4	0.76	1.7	0.13	15.5
		75th Percen	<0.1	590	0.98	53.7	42.0	<0.1	2.0	2.7	1,064	5.4	12.3	144	4.2	1.3	<0.5	0.85	<0.1	9.5
		Median	<0.1	258	0.85	48.0	35.8	<0.1	1.6	2.4	499	2.8	9.9	76.9	3.1	0.67	<0.5	0.62	<0.1	4.6
		25th Percen	<0.1	111	0.66	43.5	31.9	<0.1	1.4	2.1	202	1.8	8.7	45.0	2.3	0.32	<0.5	0.51	<0.1	2.4
279.2	R.C. Byrd	# Samples	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		# Detects	0	30	29	30	30	2	30	30	30	25	30	30	30	30	0	18	0	30
		# Violations	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Maximum	<0.1	947	1.2	66.5	40.1	0.12	2.8	3.5	1,823	12.9	13.6	353	5.0	2.2	<0.5	1.4	<0.1	12.1
		75th Percen	<0.1	574	0.90	53.9	36.0	<0.1	1.8	2.6	972	4.1	11.1	118	3.1	1.1	<0.5	0.83	<0.1	6.4
		Median	<0.1	393	0.65	46.5	28.8	<0.1	1.6	2.3	733	2.9	8.3	99.3	2.8	0.90	<0.5	0.59	<0.1	5.5
		25th Percen	<0.1	278	0.50	38.7	24.1	<0.1	1.3	1.9	508	2.0	7.0	78.0	2.4	0.58	<0.5	<0.5	<0.1	4.1
341	Greenup	# Samples	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
		# Detects	0	30	29	30	30	3	30	30	30	22	30	30	30	30	0	26	1	30
		# Violations	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
		Maximum	<0.1	4,166	1.7	78.0	42.2	0.17	5.3	8.8	7,576	16.5	15.0	402	11.5	7.5	<0.5	1.2	0.11	49.3
		75th Percen	<0.1	452	0.87	55.3	36.2	<0.1	2.2	2.9	977	5.4	11.2	110	3.7	1.4	<0.5	0.91	<0.1	15.0
		Median	<0.1	285	0.60	47.6	29.5	<0.1	1.5	2.1	538	2.0	9.8	65.8	2.8	0.60	<0.5	0.73	<0.1	5.8
		25th Percen	<0.1	197	0.51	37.9	26.6	<0.1	1.2	1.8	336	<1.5	8.5	47.4	2.2	0.37	<0.5	0.58	<0.1	3.4
436.2	Meldahl	# Samples	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	4	30	30	30	21	30	30	30	30	0	26	2	30
		# Violations	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Maximum	<0.1	3,089	1.6	71.1	44.8	0.22	4.3	6.9	5,984	17.6	16.5	478	10.4	6.7	<0.5	1.5	0.11	32.1
		75th Percen	<0.1	702	0.95	57.8	38.0	<0.1	2.0	3.2	1,182	4.5	12.4	105	3.5	1.5	<0.5	0.93	<0.1	9.8
		Median	<0.1	293	0.79	50.2	32.0	<0.1	1.5	2.3	577	2.2	10.2	44.4	2.7	0.74	<0.5	0.70	<0.1	4.8
		25th Percen	<0.1	163	0.52	40.6	28.8	<0.1	1.3	1.9	321	<1.5	9.0	34.5	2.2	0.44	<0.5	0.56	<0.1	3.2
477.5	nderson Ferr	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	1	30	30	30	30	8	30	30	30	24	30	30	30	30	0	25	1	30
		# Violations	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
		Maximum	0.11	5,117	3.0	115	47.9	0.44	9.8	15.8	11,817	33.9	16.4	1,132	22.3	19.0	<0.5	1.7	0.16	90.1
		75th Percen	<0.1	1,211	1.2	57.7	38.8	0.10	2.6	3.8	2,345	8.5	13.6	185	5.3	2.5	<0.5	0.82	<0.1	15.7
		Median	<0.1	434	0.94	51.9	34.9	<0.1	1.8	2.9	805	3.5	10.6	77.4	3.1	1.2	<0.5	0.73	<0.1	7.1
		25th Percen	<0.1	204	0.75	45.0	30.3	<0.1	1.3	2.4	385	2.0	9.4	44.4	2.5	0.49	<0.5	0.59	<0.1	4.1

Appendix C: Clean Metals Sampling Results

531.5	Markland	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	7	30	30	30	22	29	30	30	30	0	24	1	30
		# Violations	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
		Maximum	<0.1	3,821	1.5	77.9	46.0	0.22	5.0	7.3	6,780	19.4	16.7	497	10.4	7.3	<0.5	1.5	0.11	34.6
		75th Percen	<0.1	982	1.2	57.5	40.0	<0.1	2.1	3.5	1,784	6.6	14.2	160	4.4	2.4	<0.5	0.86	<0.1	13.4
		Median	<0.1	358	0.90	48.9	36.2	<0.1	1.7	2.6	534	2.8	11.5	57.9	2.9	0.65	<0.5	0.62	<0.1	5.0
		25th Percen	<0.1	170	0.71	43.6	31.5	<0.1	1.3	2.1	286	<1.5	10.0	37.7	2.0	0.38	<0.5	0.54	<0.1	2.9
600.6	Louisville	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	6	30	30	30	24	30	30	30	30	0	24	5	30
		# Violations	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
		Maximum	<0.1	5,926	2.4	98.0	62.0	0.31	8.1	9.3	8,827	28.5	17.4	921	13.4	9.3	<0.5	2.1	0.16	61.0
		75th Percen	<0.1	1,474	1.3	66.8	41.6	<0.1	2.9	4.3	2,379	6.6	14.9	147	5.2	2.2	<0.5	1.1	<0.1	11.9
		Median	<0.1	604	0.94	53.2	38.0	<0.1	1.8	2.7	994	4.7	11.6	75.2	3.0	1.1	<0.5	0.76	<0.1	7.0
		25th Percen	<0.1	349	0.73	46.8	34.8	<0.1	1.6	2.2	513	2.0	10.7	40.7	2.3	0.41	<0.5	0.52	<0.1	3.5
606.8	McAlpine	# Samples	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		# Detects	0	7	7	7	7	2	7	7	7	5	7	7	7	7	0	7	0	6
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	2,440	1.6	67.2	47.4	0.14	3.5	5.5	4,608	9.9	17.6	278	7.8	4.0	<0.5	1.5	<0.1	19.8
		75th Percen	<0.1	2,290	1.3	62.7	45.9	0.12	3.1	4.7	3,796	9.1	15.3	238	6.6	3.2	<0.5	1.5	<0.1	16.7
		Median	<0.1	761	1.1	58.5	40.7	<0.1	2.3	3.0	1,191	4.5	13.8	87.6	3.2	1.1	<0.5	0.85	<0.1	6.0
		25th Percen	<0.1	299	0.70	52.5	37.7	<0.1	1.8	2.2	510	<1.5	11.4	39.2	3.0	0.50	<0.5	0.72	<0.1	2.7
625.9	West Point	# Samples	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		# Detects	1	30	30	30	30	15	30	30	30	29	30	30	30	30	0	29	9	30
		# Violations	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0
		Maximum	0.10	9,006	4.4	150	74.5	0.76	18.0	20.5	19,591	71.1	21.2	1,237	35.3	23.2	0.50	6.1	0.25	114
		75th Percen	<0.1	1,990	1.4	64.6	52.7	0.16	3.3	5.6	3,611	30.9	16.4	291	6.9	3.9	<0.5	2.6	0.11	19.9
		Median	<0.1	835	1.2	56.9	45.4	<0.1	2.1	3.9	1,556	22.1	13.3	122	4.2	1.6	<0.5	1.6	<0.1	11.1
		25th Percen	<0.1	323	0.94	50.3	38.0	<0.1	1.7	3.3	536	14.7	11.1	66.5	3.3	0.70	<0.5	0.94	<0.1	5.7
720.7	Cannelton	# Samples	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		# Detects	0	30	30	30	30	4	30	30	30	24	30	30	30	30	0	25	3	30
		# Violations	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
		Maximum	<0.1	4,678	2.5	95.1	50.1	0.19	7.5	10.9	9,319	29.5	19.0	719	15.8	9.9	<0.5	1.7	0.16	47.5
		75th Percen	<0.1	1,332	1.1	57.1	40.9	<0.1	2.4	3.7	2,683	9.7	13.7	175	5.3	2.6	<0.5	0.96	<0.1	12.8
		Median	<0.1	343	0.91	48.6	36.6	<0.1	1.9	2.4	550	2.9	10.7	38.8	2.8	0.61	<0.5	0.71	<0.1	4.1
		25th Percen	<0.1	213	0.78	43.4	33.5	<0.1	1.5	2.0	322	1.7	9.7	30.2	2.1	0.36	<0.5	0.52	<0.1	2.7
776	Newburgh	# Samples	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		# Detects	0	29	28	29	29	6	29	29	29	25	29	29	29	28	0	26	3	29
		# Violations	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
		Maximum	<0.1	5,487	2.1	85.6	51.8	0.22	6.3	8.2	8,877	24.7	18.3	483	12.0	7.3	<0.5	2.2	0.12	33.6
		75th Percen	<0.1	1,495	1.2	55.2	42.2	<0.1	2.9	4.0	2,887	9.2	14.2	212	5.8	2.6	<0.5	0.98	<0.1	13.1
		Median	<0.1	528	1.0	50.1	37.2	<0.1	1.9	2.8	775	4.4	11.4	57.8	3.1	0.85	<0.5	0.75	<0.1	5.0
		25th Percen	<0.1	271	0.80	45.9	35.0	<0.1	1.6	2.3	399	2.5	10.7	32.3	2.2	0.37	<0.5	0.62	<0.1	2.6
846	J.T. Myers	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	6	30	30	30	24	30	30	30	30	0	25	6	29
		# Violations	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
		Maximum	<0.1	8,208	2.0	121	50.9	0.46	10.2	14.2	14,327	43.8	16.6	1,011	20.7	13.8	<0.5	1.8	0.19	60.0
		75th Percen	<0.1	2,039	1.4	57.0	40.9	<0.1	3.3	5.3	3,643	9.5	13.2	225	6.1	3.7	<0.5	0.98	<0.1	16.9
		Median	<0.1	638	1.0	50.8	37.6	<0.1	2.3	2.9	841	4.0	11.8	72.9	3.4	0.96	<0.5	0.74	<0.1	5.9
		25th Percen	<0.1	245	0.91	45.0	35.2	<0.1	1.6	2.1	338	2.3	10.0	33.0	2.1	0.34	<0.5	0.57	<0.1	2.6
918.5	Smithland	# Samples	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	6	30	30	30	20	30	30	30	30	0	25	0	30
		# Violations	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
		Maximum	<0.1	3,059	2.1	64.1	53.5	0.16	4.4	5.9	4,803	33.9	18.9	351	7.4	4.6	<0.5	1.6	<0.1	23.5
		75th Percen	<0.1	1,788	1.4	56.0	45.0	<0.1	3.2	4.1	2,889	9.1	15.5	181	5.2	3.0	<0.5	0.87	<0.1	14.9
		Median	<0.1	676	1.0	51.7	42.1	<0.1	2.5	2.7	1,009	5.1	13.1	73.7	3.1	0.97	<0.5	0.71	<0.1	5.6
		25th Percen	<0.1	206	0.87	44.8	39.1	<0.1	1.6	1.9	320	<1.5	11.7	35.1	2.1	0.35	<0.5	0.56	<0.1	2.9
938.9	L&D 52	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	7	30	30	30	26	30	30	30	30	0	26	3	30
		# Violations	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
		Maximum	<0.1	5,762	2.6	98.2	50.4	0.22	8.6	10.5	9,875	36.0	16.9	713	15.7	10.5	<0.5	1.4	0.16	48.6
		75th Percen	<0.1	2,104	1.5	58.2	43.9	<0.1	3.5	4.4	3,030	13.0	14.1	219	6.0	3.6	<0.5	0.87	<0.1	16.4
		Median	<0.1	1,058	1.3	49.5	40.8	<0.1	2.3	3.2	1,584	5.9	12.5	101	3.5	1.6	<0.5	0.69	<0.1	8.9
		25th Percen	<0.1	366	0.94	47.2	36.1	<0.1	1.7	1.8	555	2.6	11.4	53.5	2.1	0.52	<0.5	0.55	<0.1	3.3

Appendix C: Clean Metals Sampling Results

Dissolved Metals Summary Statistics 2012 305b July 2006 - June 2011																					
Mile Point	Site Name	Statistic	Ag (ug/L)	Al (ug/L)	As (ug/L)	Ba (ug/L)	Ca (mg/L)	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Fe (ug/L)	Hg (ng/L)	Mg (mg/L)	Mn (ug/L)	Ni (ug/L)	Pb (ug/L)	Sb (ug/L)	Se (ug/L)	Tl (ug/L)	Zn (ug/L)
54.4	ew Cumberla	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	29	30	2	2	30	30	30	2	0	12	1	29
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	28.7	0.93	91.0	42.5	<0.1	2.4	7.3	61.1	1.9	11.3	136	4.1	0.13	<0.5	1.2	0.10	4.9
		75th Percen	<0.1	17.8	0.66	50.0	34.9	<0.1	1.1	4.0	<50	<1.5	9.3	73.3	3.1	<0.1	<0.5	0.74	<0.1	3.8
		Median	<0.1	14.5	0.50	40.7	26.5	<0.1	0.73	2.6	<50	<1.5	7.4	39.4	2.5	<0.1	<0.5	<0.5	<0.1	3.0
		25th Percen	<0.1	11.2	0.35	34.1	23.5	<0.1	0.47	1.7	<50	<1.5	6.2	6.6	2.0	<0.1	<0.5	<0.5	<0.1	2.0
84.2	Pike Island	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	29	26	0	3	30	30	30	0	0	18	2	23
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	30.3	1.3	82.4	42.3	<0.1	1.7	3.3	<50	3.3	11.8	153	4.0	<0.1	<0.5	1.6	0.12	4.9
		75th Percen	<0.1	17.8	0.74	48.2	37.7	<0.1	1.1	2.3	<50	<1.5	10.4	71.7	3.0	<0.1	<0.5	0.81	<0.1	2.8
		Median	<0.1	13.8	0.49	38.4	26.8	<0.1	0.76	1.6	<50	<1.5	7.2	33.1	2.2	<0.1	<0.5	0.59	<0.1	1.8
		25th Percen	<0.1	10.6	0.33	34.3	23.1	<0.1	0.52	1.0	<50	<1.5	6.1	8.1	1.9	<0.1	<0.5	<0.5	<0.1	1.3
126.4	Hannibal	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	28	28	1	4	30	30	30	0	0	19	0	22
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	29.9	1.1	78.7	43.6	<0.1	2.0	4.3	61.9	5.3	12.4	130	3.9	<0.1	<0.5	1.4	<0.1	4.5
		75th Percen	<0.1	16.1	0.76	51.2	35.0	<0.1	0.77	2.5	<50	<1.5	9.3	82.6	3.1	<0.1	<0.5	1.0	<0.1	2.3
		Median	<0.1	13.2	0.43	40.0	29.1	<0.1	0.56	1.8	<50	<1.5	7.6	23.6	2.4	<0.1	<0.5	0.55	<0.1	1.8
		25th Percen	<0.1	9.7	0.30	35.0	24.7	<0.1	0.41	1.3	<50	<1.5	6.5	4.0	1.8	<0.1	<0.5	<0.5	<0.1	1.0
161.8	Willow Island	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	28	30	1	5	30	30	30	0	0	22	0	26
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	29.5	0.89	79.5	43.3	<0.1	2.0	5.1	50.5	2.3	14.2	113	3.8	<0.1	<0.5	1.8	<0.1	3.8
		75th Percen	<0.1	16.2	0.68	49.1	35.5	<0.1	0.93	2.2	<50	<1.5	9.8	73.2	3.0	<0.1	<0.5	0.86	<0.1	2.1
		Median	<0.1	12.1	0.43	40.2	28.2	<0.1	0.46	1.5	<50	<1.5	7.7	16.4	2.4	<0.1	<0.5	0.62	<0.1	1.7
		25th Percen	<0.1	9.0	0.31	35.7	24.0	<0.1	0.27	1.2	<50	<1.5	6.5	4.0	1.7	<0.1	<0.5	<0.5	<0.1	1.2
203.9	Belleville	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	1	29	30	2	4	30	30	30	3	1	16	1	20
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	21.5	1.4	76.8	45.6	0.30	2.4	5.6	58.2	3.4	14.4	105	4.1	0.40	0.67	1.8	0.39	4.1
		75th Percen	<0.1	13.6	0.86	48.6	37.0	<0.1	1.2	2.1	<50	<1.5	11.4	48.3	2.5	<0.1	<0.5	0.79	<0.1	1.9
		Median	<0.1	10.5	0.54	38.5	33.7	<0.1	0.75	1.6	<50	<1.5	9.3	11.8	2.1	<0.1	<0.5	0.54	<0.1	1.4
		25th Percen	<0.1	6.6	0.36	33.3	28.8	<0.1	0.42	1.3	<50	<1.5	8.2	4.4	1.7	<0.1	<0.5	<0.5	<0.1	<1
279.2	R.C. Byrd	# Samples	33	33	33	32	33	33	33	33	32	33	33	33	33	33	33	33	33	33
		# Detects	0	30	30	30	30	1	26	28	2	5	30	30	30	1	0	17	1	20
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	16.0	1.3	58.0	39.9	0.42	2.0	2.6	61.1	5.4	13.4	262	3.4	0.43	<0.5	1.7	0.44	2.1
		75th Percen	<0.1	11.3	0.78	46.9	33.7	<0.1	0.93	1.8	<50	<1.5	10.9	70.8	2.0	<0.1	<0.5	0.75	<0.1	1.6
		Median	<0.1	9.6	0.52	36.9	27.1	<0.1	0.61	1.3	<50	<1.5	7.6	47.8	1.7	<0.1	<0.5	0.52	<0.1	1.1
		25th Percen	<0.1	7.4	0.32	31.5	22.1	<0.1	0.29	1.0	<50	<1.5	6.7	33.1	1.4	<0.1	<0.5	<0.5	<0.1	<1
341	Greenup	# Samples	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
		# Detects	0	30	30	30	30	0	27	28	0	3	30	30	30	1	0	21	0	22
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	16.2	1.1	71.1	41.6	<0.1	2.8	3.0	<50	6.4	15.3	56.1	7.6	0.10	<0.5	1.2	<0.1	5.0
		75th Percen	<0.1	11.2	0.69	46.4	33.8	<0.1	1.3	1.9	<50	<1.5	10.6	28.4	2.2	<0.1	<0.5	0.82	<0.1	2.3
		Median	<0.1	8.9	0.45	36.3	28.0	<0.1	0.56	1.4	<50	<1.5	9.1	15.8	1.9	<0.1	<0.5	0.60	<0.1	1.6
		25th Percen	<0.1	7.2	0.31	32.0	24.5	<0.1	0.22	1.1	<50	<1.5	8.2	7.6	1.4	<0.1	<0.5	<0.5	<0.1	<1
436.2	Meldahl	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	28	29	1	4	30	30	30	1	0	16	1	15
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	14.5	1.1	67.6	42.6	<0.1	2.6	2.3	52.3	4.9	15.6	25.2	2.8	0.12	<0.5	1.5	0.11	6.9
		75th Percen	<0.1	10.2	0.77	46.4	34.8	<0.1	1.1	1.8	<50	<1.5	11.3	8.9	2.0	<0.1	<0.5	0.84	<0.1	1.5
		Median	<0.1	8.0	0.51	35.9	29.4	<0.1	0.61	1.5	<50	<1.5	9.0	4.2	1.8	<0.1	<0.5	0.51	<0.1	1.1
		25th Percen	<0.1	6.0	0.36	31.3	26.4	<0.1	0.19	1.1	<50	<1.5	8.0	2.4	1.5	<0.1	<0.5	<0.5	<0.1	<1
477.5	nderson Ferr	# Samples	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	29	28	1	3	30	30	29	2	0	20	0	20
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	14.3	1.1	72.3	47.1	<0.1	2.8	2.9	59.3	5.4	16.1	128	2.9	0.13	<0.5	1.4	<0.1	6.8
		75th Percen	<0.1	11.2	0.79	48.1	37.4	<0.1	1.0	1.9	<50	<1.5	12.6	29.6	2.0	<0.1	<0.5	0.78	<0.1	2.0
		Median	<0.1	9.6	0.60	38.6	32.8	<0.1	0.70	1.6	<50	<1.5	9.9	9.6	1.7	<0.1	<0.5	0.61	<0.1	1.5
		25th Percen	<0.1	6.7	0.42	32.9	28.2	<0.1	0.29	1.3	<50	<1.5	8.9	5.1	1.5	<0.1	<0.5	<0.5	<0.1	<1

Appendix C: Clean Metals Sampling Results

531.5	Markland	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	29	30	30	30	0	29	29	1	5	29	30	30	3	0	19	1	24
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	14.8	1.5	68.8	45.7	<0.1	2.7	3.2	67.9	2.5	17.1	31.4	4.6	0.17	<0.5	1.6	0.10	13.7
		75th Percen	<0.1	9.2	0.98	45.8	38.1	<0.1	0.97	1.9	<50	<1.5	12.1	12.8	2.0	<0.1	<0.5	0.80	<0.1	1.9
		Median	<0.1	7.6	0.64	35.9	32.4	<0.1	0.61	1.6	<50	<1.5	10.3	6.7	1.7	<0.1	<0.5	0.57	<0.1	1.6
		25th Percen	<0.1	6.2	0.44	32.6	28.2	<0.1	0.36	1.4	<50	<1.5	8.8	2.9	1.3	<0.1	<0.5	<0.5	<0.1	1.1
600.6	Louisville	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	29	28	2	3	30	30	30	4	0	22	2	15
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	72.6	1.2	67.1	59.9	<0.1	2.9	3.4	113	2.4	16.7	605	3.2	0.18	<0.5	2.1	0.12	12.1
		75th Percen	<0.1	8.8	1.0	52.5	42.0	<0.1	1.2	2.1	<50	<1.5	14.8	23.1	2.1	<0.1	<0.5	0.89	<0.1	1.6
		Median	<0.1	7.7	0.66	42.5	36.8	<0.1	0.66	1.8	<50	<1.5	10.9	12.7	1.5	<0.1	<0.5	0.67	<0.1	1.0
		25th Percen	<0.1	6.7	0.54	32.0	32.7	<0.1	0.35	1.2	<50	<1.5	9.6	9.2	1.3	<0.1	<0.5	<0.5	<0.1	<1
606.8	McAlpine	# Samples	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		# Detects	0	6	7	7	7	1	7	5	0	1	7	7	7	2	0	6	1	4
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	12.7	1.7	67.9	47.2	0.46	1.2	1.9	<50	1.6	17.5	20.8	4.2	0.47	<0.5	2.2	0.54	2.7
		75th Percen	<0.1	11.9	1.1	58.1	43.9	<0.1	1.2	1.7	<50	<1.5	14.6	5.2	2.7	0.11	<0.5	1.3	<0.1	2.0
		Median	<0.1	8.7	0.65	40.7	39.9	<0.1	0.76	1.6	<50	<1.5	12.6	4.0	2.4	<0.1	<0.5	0.76	<0.1	1.7
		25th Percen	<0.1	6.0	0.57	35.6	32.9	<0.1	0.45	1.6	<50	<1.5	9.9	3.1	1.8	<0.1	<0.5	0.61	<0.1	<1
625.9	West Point	# Samples	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		# Detects	0	30	30	30	30	4	29	30	1	19	30	30	30	2	0	26	5	23
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	37.1	2.0	68.3	68.3	1.0	2.0	5.1	67.4	9.2	18.8	91.0	4.5	0.12	<0.5	6.0	0.22	7.8
		75th Percen	<0.1	11.8	1.1	50.0	49.0	<0.1	1.2	2.5	<50	4.1	16.4	32.9	2.8	<0.1	<0.5	2.6	<0.1	2.4
		Median	<0.1	8.6	0.72	40.0	42.2	<0.1	0.58	1.9	<50	2.2	12.1	11.6	2.1	<0.1	<0.5	1.6	<0.1	1.6
		25th Percen	<0.1	7.8	0.55	32.0	35.9	<0.1	0.37	1.4	<50	<1.5	9.8	4.8	1.6	<0.1	<0.5	0.69	<0.1	1.0
720.7	Cannelton	# Samples	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		# Detects	0	30	30	30	30	0	27	29	1	1	30	30	30	0	0	17	0	15
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	12.9	1.1	63.2	47.5	<0.1	2.9	2.6	51.5	1.9	18.0	13.2	2.9	<0.1	<0.5	1.7	<0.1	2.4
		75th Percen	<0.1	8.9	0.91	47.0	39.5	<0.1	1.2	1.8	<50	<1.5	13.8	4.9	1.9	<0.1	<0.5	0.96	<0.1	1.4
		Median	<0.1	7.1	0.69	35.7	34.0	<0.1	0.62	1.6	<50	<1.5	10.1	2.8	1.4	<0.1	<0.5	0.58	<0.1	1.0
		25th Percen	<0.1	5.8	0.39	31.5	32.1	<0.1	0.39	1.4	<50	<1.5	9.0	1.5	1.3	<0.1	<0.5	<0.5	<0.1	<1
776	Newburgh	# Samples	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		# Detects	0	30	30	30	30	0	29	30	1	5	30	30	30	0	0	23	0	14
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	10.6	1.1	64.9	49.5	<0.1	2.4	2.4	68.9	12.9	17.6	43.3	3.1	<0.1	<0.5	1.6	<0.1	2.3
		75th Percen	<0.1	7.5	0.93	45.1	40.7	<0.1	1.1	2.1	<50	<1.5	12.8	9.5	2.2	<0.1	<0.5	0.92	<0.1	1.4
		Median	<0.1	6.5	0.65	37.1	35.9	<0.1	0.49	1.6	<50	<1.5	11.0	4.5	1.7	<0.1	<0.5	0.63	<0.1	<1
		25th Percen	<0.1	5.5	0.49	31.3	34.0	<0.1	0.17	1.4	<50	<1.5	10.0	1.1	1.3	<0.1	<0.5	0.53	<0.1	<1
846	J.T. Myers	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	30	30	0	4	30	30	30	0	0	20	0	12
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	20.6	1.2	60.6	46.4	<0.1	2.8	2.3	<50	4.7	16.8	15.3	2.8	<0.1	<0.5	1.3	<0.1	2.6
		75th Percen	<0.1	7.8	0.86	43.8	40.1	<0.1	0.88	1.8	<50	<1.5	13.0	2.7	2.0	<0.1	<0.5	0.76	<0.1	1.3
		Median	<0.1	6.4	0.70	35.7	37.3	<0.1	0.56	1.6	<50	<1.5	11.2	1.6	1.4	<0.1	<0.5	0.62	<0.1	<1
		25th Percen	<0.1	5.8	0.52	31.1	34.9	<0.1	0.25	1.4	<50	<1.5	9.3	0.70	1.2	<0.1	<0.5	<0.5	<0.1	<1
918.5	Smithland	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	28	29	1	5	30	30	30	2	0	21	1	10
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	7.0	1.3	57.2	49.8	<0.1	2.9	3.5	57.4	3.3	18.1	22.3	3.1	0.11	<0.5	1.7	0.12	2.6
		75th Percen	<0.1	5.3	1.0	44.5	43.9	<0.1	0.77	1.8	<50	<1.5	14.6	4.9	2.1	<0.1	<0.5	0.82	<0.1	1.1
		Median	<0.1	4.4	0.87	38.5	41.1	<0.1	0.47	1.7	<50	<1.5	12.4	2.6	1.5	<0.1	<0.5	0.55	<0.1	<1
		25th Percen	<0.1	3.2	0.65	34.7	37.4	<0.1	0.28	1.5	<50	<1.5	10.9	1.2	1.2	<0.1	<0.5	<0.5	<0.1	<1
938.9	L&D 52	# Samples	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		# Detects	0	30	30	30	30	0	29	30	1	4	30	30	30	0	0	20	0	11
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	<0.1	17.4	1.6	52.5	49.9	<0.1	3.5	2.6	85.8	2.3	16.9	260	3.4	<0.1	<0.5	1.1	<0.1	2.3
		75th Percen	<0.1	5.7	1.1	43.6	43.0	<0.1	1.0	1.7	<50	<1.5	14.0	11.6	1.9	<0.1	<0.5	0.76	<0.1	1.2
		Median	<0.1	4.4	0.82	38.6	38.7	<0.1	0.63	1.6	<50	<1.5	11.7	4.1	1.5	<0.1	<0.5	0.57	<0.1	<1
		25th Percen	<0.1	3.4	0.62	34.9	35.0	<0.1	0.32	1.3	<50	<1.5	10.1	1.0	1.3	<0.1	<0.5	<0.5	<0.1	<1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Ag	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	<0.1	<0.1
			17-Sep-07	<0.1	<0.1
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	<0.1
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	<0.1
			26-May-11	<0.1	<0.1
Pike Island	84.2	Ag	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	<0.1	<0.1
			17-Sep-07	<0.1	<0.1
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	<0.1
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	<0.1
			26-May-11	<0.1	<0.1
Hannibal	126.4	Ag	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	<0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			21-Jul-10	<0.1	<0.1
			14-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	<0.1
			25-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Ag	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	<0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			27-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	<0.1
			25-Jan-11	<0.1	<0.1
			22-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
Belleville	203.9	Ag	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	<0.1
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	<0.1
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			29-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			25-May-11	<0.1	<0.1
R.C. Byrd	279.2	Ag	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	<0.1
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	<0.1
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			29-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			25-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Ag	25-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	
			26-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			29-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			29-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			18-Nov-10	<0.1	<0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			11-May-11	<0.1	<0.1
Meldahl	436.2	Ag	12-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			28-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			04-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			29-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			23-Nov-10	<0.1	<0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			11-May-11	<0.1	<0.1
Anderson Ferry	477.5	Ag	12-Jul-06	<0.1	<0.1
			11-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	0.11
			27-Mar-07	<0.1	<0.1
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	<0.1
			13-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			23-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			14-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			21-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			23-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Ag	13-Jul-06	<0.1	<0.1
			13-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	<0.1
			27-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	<0.1
			13-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			22-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			23-Mar-10	<0.1	<0.1
			26-May-10	<0.1	<0.1
			14-Jul-10	<0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
Louisville	600.6	Ag	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			26-Nov-07	<0.1	<0.1
			15-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			20-May-08	<0.1	<0.1
			14-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	<0.1
			16-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			18-May-11	<0.1	<0.1
McAlpine	606.8	Ag	20-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			18-May-11	<0.1	<0.1
West Point	625.9	Ag	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			19-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			26-Nov-07	<0.1	<0.1
			15-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			20-May-08	<0.1	<0.1
			14-Jul-08	<0.1	0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	<0.1
			16-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			18-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Ag	27-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			18-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			21-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			11-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			30-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
Newburgh	776	Ag	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	<0.1
			25-Mar-08	<0.1	
			21-May-08	<0.1	<0.1
			15-Jul-08	<0.1	<0.1
			29-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			20-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			11-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
J.T. Myers	846	Ag	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			22-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			14-Jul-10	<0.1	<0.1
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	<0.1
			23-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Ag	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	<0.1
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	<0.1
			22-Jul-08	<0.1	<0.1
			30-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			15-Jul-10	<0.1	<0.1
			09-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	<0.1
			23-May-11	<0.1	<0.1
L&D 52	938.9	Ag	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	<0.1
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			16-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			11-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			14-Jul-10	<0.1	<0.1
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			16-Mar-11	<0.1	<0.1
			23-May-11	<0.1	<0.1
New Cumberland	54.4	Al	13-Jul-06	14.54	14.92
			14-Sep-06	12.78	226.11
			01-Nov-06	14.79	757.08
			12-Jan-07	16.7	433.38
			12-Mar-07	14.86	325.67
			07-May-07	28.71	156.73
			10-Jul-07	15.68	125.98
			17-Sep-07	11.21	72.28
			05-Nov-07	10.07	72
			08-Jan-08	13.95	260.64
			18-Mar-08	14.43	382.85
			28-May-08	25.27	179.98
			16-Jul-08	21.42	167.61
			24-Sep-08	9.64	73.39
			12-Nov-08	14.07	303.89
			09-Feb-09	10.15	629.78
			16-Mar-09	14.2	697.44
			18-May-09	18.59	141.17
			15-Jul-09	17.5	126.39
			08-Sep-09	10.8	87.92
			16-Nov-09	11.14	65.46
			18-Jan-10	17.81	115.71
			17-Mar-10	18.79	562.88
			12-May-10	18.73	146.79
			20-Jul-10	13.43	78.47
			23-Sep-10	8.98	98
			02-Nov-10	9.42	73.09
			18-Jan-11	14.3	157.64
			21-Mar-11	16.41	511.66
			26-May-11	27.34	259.67

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Al	13-Jul-06	16.14	144.62
			14-Sep-06	8.6	253.36
			01-Nov-06	13.9	976.64
			12-Jan-07	14.91	766.09
			12-Mar-07	15.04	364.78
			07-May-07	30.32	135.22
			10-Jul-07	16.2	67.04
			17-Sep-07	10.11	49.06
			05-Nov-07	9.91	69.7
			08-Jan-08	12.16	282.73
			18-Mar-08	13.7	429.05
			28-May-08	29.28	199.74
			16-Jul-08	27.64	127.2
			24-Sep-08	11.86	60.13
			12-Nov-08	9.58	62.05
			09-Feb-09	10.8	700.15
			16-Mar-09	13.88	778.22
			18-May-09	22.27	125.8
			15-Jul-09	11.97	99.56
			08-Sep-09	11.99	63.95
			16-Nov-09	10.61	107.56
			18-Jan-10	10.33	456.98
			17-Mar-10	18.94	1660.24
			12-May-10	16.31	157.22
			20-Jul-10	17.86	74.69
			23-Sep-10	9.29	136.02
			02-Nov-10	6.64	100.97
			18-Jan-11	12.73	234.66
			21-Mar-11	17.78	580.64
			26-May-11	27.08	355.38
Hannibal	126.4	Al	18-Jul-06	13.26	91.88
			06-Sep-06	11.98	336.54
			07-Nov-06	15.57	250.74
			02-Jan-07	13.59	139.87
			13-Mar-07	15.85	338.25
			10-May-07	29.91	133.5
			12-Jul-07	14.26	51.95
			24-Sep-07	9.22	85.4
			28-Nov-07	8.74	713.03
			09-Jan-08	13.36	250.33
			26-Mar-08	18.52	531.16
			15-May-08	20.44	376.62
			17-Jul-08	21.94	79.77
			17-Sep-08	13.32	131.86
			19-Nov-08	9.97	110.52
			10-Feb-09	11.34	346.29
			10-Mar-09	13.15	1530.3
			19-May-09	18.01	184.57
			22-Jul-09	8.87	97.87
			15-Sep-09	6.91	72.27
			12-Nov-09	9.69	143.32
			20-Jan-10	11.2	587.92
			18-Mar-10	16.08	594.08
			19-May-10	13.23	1115.39
			21-Jul-10	12.27	91.99
			14-Sep-10	9.65	92.62
			08-Nov-10	7.17	102.05
			25-Jan-11	8.87	154.08
			29-Mar-11	25.95	466.03
			24-May-11	27.46	441.16
Willow Island	161.8	Al	18-Jul-06	11.92	101.03
			06-Sep-06	9.79	329.79
			07-Nov-06	12.08	299.09
			02-Jan-07	12.61	154.47
			13-Mar-07	16.98	496.95
			10-May-07	29.54	105.73
			12-Jul-07	9.8	81.28
			24-Sep-07	6.2	52.68
			28-Nov-07	7.68	663.79
			09-Jan-08	13.9	564.53
			26-Mar-08	17.16	614.42
			15-May-08	14.03	454.14
			17-Jul-08	19.62	83.54
			08-Sep-08	9.18	83.85
			19-Nov-08	8.92	163.29
			10-Feb-09	12.94	515.11
			10-Mar-09	14.66	998.18
			19-May-09	17.03	143.54
			22-Jul-09	4.43	145.31
			15-Sep-09	8.71	116.21
			12-Nov-09	8.99	114.46
			20-Jan-10	11.29	517.65
			18-Mar-10	16.17	769.81
			19-May-10	13.08	728.77
			27-Jul-10	12.05	106.68
			27-Sep-10	7.42	136.03
			08-Nov-10	6.59	77.75
			25-Jan-11	11.88	131.24
			22-Mar-11	18.64	707.09
			24-May-11	24.19	484.17

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Al	12-Jul-06	9.28	150.79
			19-Sep-06	7.2	396.21
			24-Nov-06	12.48	535.61
			04-Jan-07	10.96	151.26
			15-Mar-07	15.61	589.61
			09-May-07	18.64	270.61
			17-Jul-07	5.77	34.12
			19-Sep-07	5.48	62.95
			08-Nov-07	6.04	102.96
			07-Jan-08	10.04	258.39
			13-Mar-08	13.13	1314.91
			19-May-08	20.09	981.09
			23-Jul-08	13.1	104.45
			08-Sep-08	7.06	69.81
			13-Nov-08	4.65	142.83
			22-Jan-09	13.03	
			09-Mar-09	13.59	639.41
			13-May-09	13.37	466.28
			13-Jul-09	7.75	85.15
			09-Sep-09	6.6	111.31
			09-Nov-09	5.81	136.87
			19-Jan-10	12.58	1148.79
			24-Mar-10	20.03	995.02
			13-May-10	17.37	373.35
			22-Jul-10	7.66	164.01
			29-Sep-10	5.06	250.9
			17-Nov-10	4.23	51.7
			02-Feb-11	9.19	268.64
			28-Mar-11	17.33	793.16
			25-May-11	21.55	977.53
R.C. Byrd	279.2	Al	12-Jul-06	7.51	647.33
			19-Sep-06	5.2	706.24
			24-Nov-06	7.45	338.26
			04-Jan-07	8.56	145.51
			15-Mar-07	10.4	855.32
			09-May-07	12.36	661.81
			17-Jul-07	9.83	182.56
			19-Sep-07	7.86	158.22
			08-Nov-07	7.24	423.68
			07-Jan-08	11.24	219.44
			13-Mar-08	10.27	946.87
			19-May-08	12.27	512.95
			23-Jul-08	12.38	397.07
			17-Sep-08	6.24	190.28
			13-Nov-08	5.48	388.16
			22-Jan-09	9.49	277.62
			09-Mar-09	12.56	293.41
			13-May-09	6.87	411.39
			13-Jul-09	10.07	287.33
			09-Sep-09	9.63	108.09
			09-Nov-09	5.57	381.78
			19-Jan-10	8.37	343.3
			24-Mar-10	11.33	428.35
			13-May-10	14.58	747.56
			22-Jul-10	10.8	444.67
			29-Sep-10	7.41	213.08
			17-Nov-10	4.07	291.99
			02-Feb-11	8.88	607.68
			28-Mar-11	12.62	573.95
			25-May-11	15.96	513.1
Greenup	341	Al	25-Jul-06	9.08	261.76
			12-Sep-06	6.99	332.72
			28-Nov-06	8.66	223.2
			30-Jan-07	9.14	340.58
			15-Mar-07	13.67	609.45
			09-May-07	11.21	
			26-Jul-07	7.33	89.06
			13-Sep-07	6.89	113.07
			29-Nov-07	4.5	605.03
			29-Jan-08	10.36	241.82
			20-Mar-08	7.99	1452.35
			29-May-08	13.58	224.38
			21-Jul-08	8.28	105.31
			25-Sep-08	7.18	197.14
			15-Nov-08	4.88	428.65
			22-Jan-09	9.7	306.64
			09-Mar-09	11.7	283.9
			28-May-09	8.48	311.82
			15-Jul-09	9.31	353.75
			28-Sep-09	8.43	172.24
			09-Nov-09	4.29	286.54
			13-Jan-10	6.79	110.32
			24-Mar-10	10.57	654.94
			19-May-10	9.53	2432.56
			29-Jul-10	8.26	90.35
			27-Sep-10	11.93	237.48
			18-Nov-10	2.75	88.58
			10-Jan-11	11.56	452.49
			08-Mar-11	14.21	2740.39
			11-May-11	16.16	4166.43

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Al	12-Jul-06	6.66	180.8
			12-Sep-06	6.18	450.63
			28-Nov-06	8.43	264.45
			30-Jan-07	8.19	337.8
			15-Mar-07	9.01	702.33
			09-May-07	10.21	440.69
			25-Jul-07	5.85	58.86
			13-Sep-07	5.31	100.52
			29-Nov-07	3.24	544.01
			28-Jan-08	11.08	223.23
			26-Mar-08	10.29	1763.3
			29-May-08	12.34	163.27
			21-Jul-08	5.49	93.47
			25-Sep-08	9.48	123.71
			15-Nov-08	5.42	254.96
			22-Jan-09	8.97	296.1
			09-Mar-09	9.68	231.88
			28-May-09	7.16	192.26
			29-Jul-09	7.9	152.81
			28-Sep-09	5.99	526.08
			04-Nov-09	4.27	663.57
			13-Jan-10	7.08	111.14
			24-Mar-10	11.58	737.02
			19-May-10	7.26	1414.22
			29-Jul-10	7.36	787.27
			27-Sep-10	10.78	289.45
			23-Nov-10	2.42	150.97
			10-Jan-11	8.65	1424.24
			08-Mar-11	13.71	3089.28
			11-May-11	14.49	996.21
Anderson Ferry	477.5	Al	12-Jul-06	10.06	204.48
			11-Sep-06	5.03	327.27
			09-Nov-06	9.2	654.37
			24-Jan-07	7.21	5117.31
			27-Mar-07	13.18	1426.05
			08-May-07	14.34	541.14
			24-Jul-07	10.97	107.2
			18-Sep-07	6.28	104.05
			28-Nov-07	4.14	351.79
			09-Jan-08	10.28	518.61
			24-Mar-08	9.88	2837.73
			13-May-08	3.57	1507.98
			17-Jul-08	9.52	396.91
			23-Sep-08	11.82	123.81
			19-Nov-08	8.21	80.73
			14-Jan-09	7.76	1059.16
			09-Mar-09	11.17	433.12
			28-May-09	9.81	374.67
			29-Jul-09	9.68	249.12
			21-Sep-09	8.47	434.6
			03-Nov-09	5.1	1129.71
			12-Jan-10	5.99	1210.8
			23-Mar-10	11.68	982.43
			20-May-10	6.69	1592.52
			13-Jul-10	6.68	163.11
			20-Sep-10	12.34	197.13
			19-Nov-10	3.21	199.06
			18-Jan-11	10.18	250.75
			08-Mar-11	12.5	2827.57
			24-May-11	11.73	1344.54
Markland	531.5	Al	13-Jul-06	6.33	169.85
			13-Sep-06	5.52	599.97
			09-Nov-06	7.96	394.68
			24-Jan-07	9.22	1104.74
			27-Mar-07	14.82	1511.53
			22-May-07	10.98	176.47
			25-Jul-07	6.84	53.62
			18-Sep-07	6.39	99.59
			28-Nov-07	3.19	281.75
			09-Jan-08	11.55	387.25
			24-Mar-08	6.51	3389.98
			13-May-08	8.32	995.05
			21-Jul-08	8.06	165.58
			24-Sep-08	7.76	126.75
			19-Nov-08	5.58	396.97
			02-Feb-09	6.15	981.64
			09-Mar-09	10.03	594.28
			28-May-09	7.81	241.38
			16-Jul-09	7.67	144.38
			22-Sep-09	5.55	177.24
			18-Nov-09	4.39	310.9
			12-Jan-10	6.9	1212.35
			23-Mar-10	12.46	852.31
			26-May-10	R	943.66
			14-Jul-10	5.49	328.24
			20-Sep-10	7.31	157.73
			19-Nov-10	3.17	147.78
			18-Jan-11	7.57	206.89
			08-Mar-11	12.4	3821.19
			24-May-11	13.41	1206.53

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Al	12-Jul-06	6.59	254.96
			20-Sep-06	5.83	593.72
			15-Nov-06	8.14	524.81
			31-Jan-07	9.95	542.98
			22-Mar-07	10.96	3623.05
			22-May-07	14.62	1858.89
			24-Jul-07	8.24	93.33
			18-Sep-07	7.87	122.19
			26-Nov-07	3.6	149.16
			15-Jan-08	7.55	1080.63
			20-Mar-08	6.66	5926.45
			20-May-08	8.8	697.71
			14-Jul-08	14.14	2721.17
			24-Sep-08	6.95	89.46
			19-Nov-08	6.84	1001.23
			22-Jan-09	7.59	348.54
			12-Mar-09	72.64	614.79
			28-May-09	9.77	735.45
			16-Jul-09	8.04	548.18
			23-Sep-09	5.09	218.98
			18-Nov-09	4.37	384.91
			26-Jan-10	7.69	1957.75
			16-Mar-10	7.7	1080.37
			20-May-10	6.99	1473.74
			22-Jul-10	6.67	477.29
			16-Sep-10	12.68	373.33
			17-Nov-10	3.57	149.61
			26-Jan-11	7.68	821.45
			28-Mar-11	5.34	3572.07
			18-May-11	8.45	3518.03
McAlpine	606.8	Al	20-May-10	8.03	2289.63
			22-Jul-10	5.97	760.9
			16-Sep-10	12.68	390.7
			17-Nov-10	<1	92.19
			26-Jan-11	8.75	299.07
			28-Mar-11	11.86	1294.96
			18-May-11	10.07	2440.41
West Point	625.9	Al	12-Jul-06	11.35	322.97
			20-Sep-06	6.4	586.11
			15-Nov-06	9.74	895.32
			19-Jan-07	9.25	1116.32
			22-Mar-07	7.55	3826.81
			22-May-07	14.25	436.08
			25-Jul-07	11.76	97.88
			18-Sep-07	14.81	110.97
			26-Nov-07	7.23	329.99
			15-Jan-08	7.76	1887.68
			20-Mar-08	7.5	4651.04
			20-May-08	7.77	9006.45
			14-Jul-08	8.44	8167.55
			24-Sep-08	13.7	91.32
			19-Nov-08	8.82	514.03
			22-Jan-09	7.84	775.5
			12-Mar-09	9.75	941.98
			28-May-09	9.08	1225.72
			16-Jul-09	11.87	317.95
			09-Sep-09	12.86	294.91
			18-Nov-09	5.54	1013.84
			26-Jan-10	7.55	1989.58
			16-Mar-10	7.81	2621.98
			20-May-10	6.96	3518.95
			22-Jul-10	8.45	733.33
			16-Sep-10	37.12	234.42
			17-Nov-10	7.83	140.25
			26-Jan-11	12.8	336.11
			28-Mar-11	10.01	1173.38
			18-May-11	8.25	2435.25
Cannelton	720.7	Al	27-Jul-06	7.05	264.45
			14-Sep-06	7.49	488.6
			01-Nov-06	5.95	2880.02
			31-Jan-07	9.88	712.01
			22-Mar-07	10.67	4677.99
			08-May-07	8.56	343.57
			24-Jul-07	6.64	62.26
			19-Sep-07	7.63	115.66
			27-Nov-07	3.76	231.15
			23-Jan-08	7.13	572.72
			18-Mar-08	9.91	1835.33
			21-May-08	7.4	1706.09
			23-Jul-08	5.16	142.53
			18-Sep-08	9.03	205.85
			18-Nov-08	4.84	201.83
			03-Feb-09	6.26	1368.73
			10-Mar-09	8.21	1293.16
			21-May-09	6.17	838.74
			22-Jul-09	7.09	268.06
			23-Sep-09	4.92	210.35
			18-Nov-09	3.56	343.04
			12-Jan-10	4.45	242.45
			24-Mar-10	10.94	1331.74
			11-May-10	7.37	1330.01
			13-Jul-10	4.95	102.7
			07-Sep-10	12.89	266.1
			02-Nov-10	5.79	212.66
			26-Jan-11	6.43	264
			30-Mar-11	9.94	1423.14
			24-May-11	8.91	2553.02

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Al	12-Jul-06	6.49	658.61
			20-Sep-06	6.02	430.54
			15-Nov-06	9.97	640.79
			31-Jan-07	8.56	1495.39
			22-Mar-07	7.22	3197.74
			22-May-07	5.11	425.25
			24-Jul-07	7.57	45.59
			19-Sep-07	6.53	60.06
			27-Nov-07	3.78	277.94
			23-Jan-08	6.68	2442.66
			25-Mar-08	7.53	
			21-May-08	7.06	1904.49
			15-Jul-08	8.09	111.18
			29-Sep-08	10.64	70.33
			18-Nov-08	5.65	527.63
			03-Feb-09	4.62	1801.42
			10-Mar-09	7.32	793.98
			20-May-09	5.02	1165.66
			22-Jul-09	6.44	310.97
			15-Sep-09	4.71	106.49
			02-Nov-09	3.71	2376.73
			12-Jan-10	5.45	388.35
			24-Mar-10	7.23	802.88
			11-May-10	5.98	2011.23
			13-Jul-10	5.54	48.55
			07-Sep-10	5.3	379.64
			02-Nov-10	6.59	169.85
			26-Jan-11	5.52	270.87
			01-Mar-11	7.88	5487.17
			24-May-11	9.07	1108.77
J.T. Myers	846	Al	11-Jul-06	6.44	571.6
			19-Sep-06	4.99	518.59
			15-Nov-06	6.4	1279.07
			30-Jan-07	7.82	2039.18
			22-Mar-07	6.9	2416.66
			21-May-07	4.42	350.41
			25-Jul-07	6.43	93.15
			20-Sep-07	6.79	135.13
			28-Nov-07	5.47	704.19
			24-Jan-08	6.3	1060.54
			18-Mar-08	8.36	1690.32
			21-May-08	5.81	2440.66
			22-Jul-08	8.05	64.17
			17-Sep-08	10.83	264.96
			17-Nov-08	7.12	245.48
			02-Feb-09	6.18	2924.19
			10-Mar-09	6.08	1303.16
			19-May-09	4.61	1941.24
			21-Jul-09	8.47	210.37
			15-Sep-09	3.57	226.53
			02-Nov-09	3.76	2501.28
			13-Jan-10	5.82	327.58
			25-Mar-10	6.58	1643.4
			12-May-10	8.78	2440.79
			14-Jul-10	6.36	155.71
			08-Sep-10	20.56	252.49
			03-Nov-10	7.02	127.15
			26-Jan-11	8.4	274.59
			01-Mar-11	6.73	8207.56
			23-May-11	5.95	3194.86
Smithland	918.5	Al	11-Jul-06	4.97	302.18
			19-Sep-06	3.27	431.15
			14-Nov-06	5.21	847.4
			30-Jan-07	4.65	1963.53
			21-Mar-07	7.04	2718.38
			21-May-07	2.23	100.89
			25-Jul-07	3.96	206.46
			20-Sep-07	2.38	45.69
			28-Nov-07	4.03	234.62
			24-Jan-08	3.59	1769.03
			17-Mar-08	5.21	1601.33
			22-May-08	5.76	3059.1
			22-Jul-08	3.92	375.5
			30-Sep-08	3.16	196.17
			17-Nov-08	1.14	125.23
			02-Feb-09	5.21	2012.37
			10-Mar-09	4.83	1561.34
			19-May-09	4.17	1809.28
			21-Jul-09	5.02	174.65
			16-Sep-09	3.07	183.94
			02-Nov-09	6.01	1787.64
			13-Jan-10	3.44	1072.16
			25-Mar-10	6.34	1559.15
			13-May-10	5.3	2486.25
			15-Jul-10	2.89	285.15
			09-Sep-10	6.51	504.55
			03-Nov-10	3.09	150.77
			27-Jan-11	3.11	281.23
			29-Mar-11	5.96	1750.8
			23-May-11	5.75	1986.98

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Al	11-Jul-06	5.65	937.72
			19-Sep-06	2.99	4495.52
			14-Nov-06	6.98	1178.01
			30-Jan-07	4.69	2537.9
			21-Mar-07	6.97	2968.71
			21-May-07	4.52	227.65
			25-Jul-07	4.09	208.15
			20-Sep-07	3.12	84.83
			28-Nov-07	3.4	703.87
			24-Jan-08	3.82	2516.76
			17-Mar-08	4.84	1553.62
			22-May-08	4.91	5761.81
			21-Jul-08	3.92	273.81
			16-Sep-08	4.31	500.41
			17-Nov-08	1.97	366.27
			02-Feb-09	4.97	2395.04
			11-Mar-09	4.36	2838.06
			19-May-09	3.31	1388.92
			21-Jul-09	7.1	353.96
			16-Sep-09	2.18	123.57
			03-Nov-09	2.84	2104.22
			12-Jan-10	3.6	921.36
			25-Mar-10	6.36	1352.6
			12-May-10	17.37	1945.95
			14-Jul-10	4.27	484.65
			08-Sep-10	5.99	484.47
			03-Nov-10	3.16	269.35
			27-Jan-11	4.83	379.35
			16-Mar-11	5.58	1249.56
			23-May-11	6.04	1762.64
New Cumberland	54.4	As	13-Jul-06	0.63	0.56
			14-Sep-06	0.65	0.83
			01-Nov-06	0.5	1.27
			12-Jan-07	0.42	0.99
			12-Mar-07	0.41	0.6
			07-May-07	0.32	0.46
			10-Jul-07	0.85	0.43
			17-Sep-07	0.7	0.65
			05-Nov-07	0.62	0.41
			08-Jan-08	0.25	0.49
			18-Mar-08	0.28	0.33
			28-May-08	0.35	0.38
			16-Jul-08	0.62	0.62
			24-Sep-08	0.75	0.75
			12-Nov-08	0.82	1.01
			09-Feb-09	0.28	0.55
			16-Mar-09	0.38	0.91
			18-May-09	0.36	0.54
			15-Jul-09	0.6	0.47
			08-Sep-09	0.66	0.81
			16-Nov-09	0.51	0.41
			18-Jan-10	0.32	0.35
			17-Mar-10	0.33	0.66
			12-May-10	0.49	0.48
			20-Jul-10	0.78	0.65
			23-Sep-10	0.93	0.89
			02-Nov-10	0.76	0.52
			18-Jan-11	0.38	0.23
			21-Mar-11	0.29	0.43
			26-May-11	0.64	0.74
Pike Island	84.2	As	13-Jul-06	0.53	0.68
			14-Sep-06	0.56	0.85
			01-Nov-06	0.52	1.33
			12-Jan-07	0.31	0.99
			12-Mar-07	0.35	0.49
			07-May-07	0.34	0.54
			10-Jul-07	0.74	0.4
			17-Sep-07	0.73	0.67
			05-Nov-07	0.83	0.48
			08-Jan-08	0.19	0.22
			18-Mar-08	0.27	0.48
			28-May-08	0.19	0.25
			16-Jul-08	0.75	0.66
			24-Sep-08	1.27	1.34
			12-Nov-08	0.74	0.56
			09-Feb-09	0.22	0.54
			16-Mar-09	0.42	1.03
			18-May-09	0.33	0.62
			15-Jul-09	0.82	0.78
			08-Sep-09	1.29	1.32
			16-Nov-09	0.62	0.58
			18-Jan-10	0.31	0.59
			17-Mar-10	0.35	1.15
			12-May-10	0.46	0.43
			20-Jul-10	0.91	0.84
			23-Sep-10	1.04	1.02
			02-Nov-10	0.66	0.66
			18-Jan-11	0.43	0.24
			21-Mar-11	0.16	0.37
			26-May-11	0.42	0.98

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	As	18-Jul-06	0.55	0.57
			06-Sep-06	0.73	1
			07-Nov-06	0.3	0.73
			02-Jan-07	0.4	0.64
			13-Mar-07	0.4	0.48
			10-May-07	0.3	0.7
			12-Jul-07	0.76	0.45
			24-Sep-07	0.72	0.69
			28-Nov-07	0.65	0.63
			09-Jan-08	0.32	0.23
			26-Mar-08	0.25	0.53
			15-May-08	0.44	0.56
			17-Jul-08	0.55	0.45
			17-Sep-08	1.1	1.13
			19-Nov-08	0.82	0.92
			10-Feb-09	0.21	0.44
			10-Mar-09	0.2	1.59
			19-May-09	0.29	0.58
			22-Jul-09	0.88	0.54
			15-Sep-09	1.05	1.06
			12-Nov-09	0.41	0.61
			20-Jan-10	0.33	0.41
			18-Mar-10	0.16	0.73
			19-May-10	0.42	0.76
			21-Jul-10	0.9	0.69
			14-Sep-10	0.8	0.83
			08-Nov-10	0.85	0.79
			25-Jan-11	0.36	0.12
			29-Mar-11	0.2	<0.1
			24-May-11	0.47	0.8
Willow Island	161.8	As	18-Jul-06	0.7	0.8
			06-Sep-06	0.76	0.99
			07-Nov-06	0.43	0.86
			02-Jan-07	0.37	0.81
			13-Mar-07	0.28	0.65
			10-May-07	0.36	0.35
			12-Jul-07	0.59	0.35
			24-Sep-07	0.54	0.55
			28-Nov-07	0.64	0.81
			09-Jan-08	0.34	0.51
			26-Mar-08	0.25	0.55
			15-May-08	0.31	0.43
			17-Jul-08	0.52	0.35
			08-Sep-08	0.89	0.78
			19-Nov-08	0.68	0.91
			10-Feb-09	0.23	0.64
			10-Mar-09	0.31	1.05
			19-May-09	0.26	0.37
			22-Jul-09	0.63	0.68
			15-Sep-09	0.87	1.03
			12-Nov-09	0.45	0.55
			20-Jan-10	0.38	0.55
			18-Mar-10	0.36	0.75
			19-May-10	0.44	0.73
			27-Jul-10	0.83	0.65
			27-Sep-10	0.86	0.95
			08-Nov-10	0.82	0.54
			25-Jan-11	0.4	0.14
			22-Mar-11	0.3	0.44
			24-May-11	0.27	1.03
Belleville	203.9	As	12-Jul-06	0.86	1.2
			19-Sep-06	0.82	1.13
			24-Nov-06	0.39	0.92
			04-Jan-07	0.54	1
			15-Mar-07	0.3	0.9
			09-May-07	0.49	0.85
			17-Jul-07	0.76	0.37
			19-Sep-07	0.82	0.86
			08-Nov-07	1.02	0.83
			07-Jan-08	0.31	0.13
			13-Mar-08	0.32	0.86
			19-May-08	0.36	0.8
			23-Jul-08	0.81	0.61
			08-Sep-08	0.86	0.98
			13-Nov-08	0.93	1.01
			22-Jan-09	0.18	
			09-Mar-09	0.34	0.9
			13-May-09	0.43	0.59
			13-Jul-09	0.7	0.69
			09-Sep-09	1.04	1.06
			09-Nov-09	0.5	0.71
			19-Jan-10	0.32	0.8
			24-Mar-10	0.46	0.96
			13-May-10	0.54	0.52
			22-Jul-10	0.92	0.82
			29-Sep-10	1.08	1.02
			17-Nov-10	1.44	0.5
			02-Feb-11	0.45	0.22
			28-Mar-11	0.34	0.66
			25-May-11	0.55	1.09

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	As	12-Jul-06	0.59	1.25
			19-Sep-06	0.71	1.18
			24-Nov-06	0.31	0.72
			04-Jan-07	0.32	0.46
			15-Mar-07	0.18	0.89
			09-May-07	0.45	0.9
			17-Jul-07	0.82	0.4
			19-Sep-07	0.73	1.03
			08-Nov-07	0.86	1.01
			07-Jan-08	0.35	0.59
			13-Mar-08	0.27	0.57
			19-May-08	0.28	0.37
			23-Jul-08	0.78	0.58
			17-Sep-08	0.93	1.04
			13-Nov-08	0.66	0.82
			22-Jan-09	0.21	0.5
			09-Mar-09	0.34	0.55
			13-May-09	0.37	0.47
			13-Jul-09	0.67	0.72
			09-Sep-09	0.81	0.99
			09-Nov-09	0.59	0.62
			19-Jan-10	0.23	0.69
			24-Mar-10	0.28	0.41
			13-May-10	0.58	0.7
			22-Jul-10	0.88	1.17
			29-Sep-10	0.78	0.88
			17-Nov-10	1.31	0.59
			02-Feb-11	0.33	<0.1
			28-Mar-11	0.38	0.12
			25-May-11	0.38	0.52
Greenup	341	As	25-Jul-06	0.68	0.77
			12-Sep-06	0.55	0.95
			28-Nov-06	0.33	0.46
			30-Jan-07	0.3	0.52
			15-Mar-07	0.19	0.78
			09-May-07	0.36	
			26-Jul-07	0.68	0.3
			13-Sep-07	1.08	0.96
			29-Nov-07	0.69	0.87
			29-Jan-08	0.3	<0.1
			20-Mar-08	0.23	0.83
			29-May-08	0.31	0.38
			21-Jul-08	0.56	0.27
			25-Sep-08	0.77	0.55
			15-Nov-08	0.74	1.2
			22-Jan-09	0.22	0.51
			09-Mar-09	0.35	0.7
			28-May-09	0.42	0.59
			15-Jul-09	0.63	0.55
			28-Sep-09	0.82	0.87
			09-Nov-09	0.5	0.61
			13-Jan-10	0.28	0.3
			24-Mar-10	0.28	0.61
			19-May-10	0.44	1.34
			29-Jul-10	0.73	0.53
			27-Sep-10	0.9	0.74
			18-Nov-10	0.76	0.54
			10-Jan-11	0.45	0.58
			08-Mar-11	0.31	1.35
			11-May-11	0.45	1.66
Meldahl	436.2	As	12-Jul-06	0.61	0.75
			12-Sep-06	0.77	1.2
			28-Nov-06	0.36	0.65
			30-Jan-07	0.35	0.8
			15-Mar-07	0.36	0.91
			09-May-07	0.37	0.67
			25-Jul-07	0.82	0.31
			13-Sep-07	0.97	0.81
			29-Nov-07	0.83	0.84
			28-Jan-08	0.31	0.4
			26-Mar-08	0.34	1.08
			29-May-08	0.36	0.45
			21-Jul-08	0.65	0.47
			25-Sep-08	0.93	0.5
			15-Nov-08	0.65	0.78
			22-Jan-09	0.21	0.52
			09-Mar-09	0.41	0.51
			28-May-09	0.46	0.8
			29-Jul-09	0.63	0.66
			28-Sep-09	0.94	0.95
			04-Nov-09	0.71	0.95
			13-Jan-10	0.27	0.4
			24-Mar-10	0.33	0.73
			19-May-10	0.39	1.18
			29-Jul-10	0.81	1.07
			27-Sep-10	1.11	1.14
			23-Nov-10	0.74	0.74
			10-Jan-11	0.37	1.16
			08-Mar-11	0.38	1.55
			11-May-11	0.55	0.95

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	As	12-Jul-06	0.78	0.73
			11-Sep-06	0.78	1.21
			09-Nov-06	0.55	0.96
			24-Jan-07	0.47	2.97
			27-Mar-07	0.39	1.25
			08-May-07	0.42	0.75
			24-Jul-07	0.79	0.48
			18-Sep-07	1.1	1
			28-Nov-07	0.81	0.85
			09-Jan-08	0.42	0.78
			24-Mar-08	0.4	1.21
			13-May-08	0.53	1.28
			17-Jul-08	0.81	0.81
			23-Sep-08	1.03	0.69
			19-Nov-08	0.73	0.71
			14-Jan-09	0.22	0.93
			09-Mar-09	0.37	0.67
			28-May-09	0.6	0.65
			29-Jul-09	0.66	0.75
			21-Sep-09	0.78	1.11
			03-Nov-09	0.75	1.15
			12-Jan-10	0.37	0.8
			23-Mar-10	0.51	1.05
			20-May-10	0.52	1.08
			13-Jul-10	1.06	0.89
			20-Sep-10	0.93	0.95
			19-Nov-10	0.87	1.07
			18-Jan-11	0.52	0.2
			08-Mar-11	0.39	1.55
			24-May-11	0.6	1.3
Markland	531.5	As	13-Jul-06	0.71	0.9
			13-Sep-06	0.64	1.2
			09-Nov-06	0.49	0.91
			24-Jan-07	0.41	1.19
			27-Mar-07	0.34	1.27
			22-May-07	0.37	0.8
			25-Jul-07	0.87	0.61
			18-Sep-07	1.16	1.16
			28-Nov-07	0.86	0.65
			09-Jan-08	0.45	0.3
			24-Mar-08	0.38	1.44
			13-May-08	0.52	0.85
			21-Jul-08	1.53	1.5
			24-Sep-08	1.09	0.74
			19-Nov-08	0.99	1.14
			02-Feb-09	0.24	0.81
			09-Mar-09	0.39	0.71
			28-May-09	0.49	0.55
			16-Jul-09	0.66	0.63
			22-Sep-09	0.75	1.19
			18-Nov-09	0.76	0.74
			12-Jan-10	0.32	1.05
			23-Mar-10	0.44	0.82
			26-May-10	0.65	0.89
			14-Jul-10	1.01	1.02
			20-Sep-10	1.12	1.07
			19-Nov-10	1.02	0.59
			18-Jan-11	0.45	0.26
			08-Mar-11	0.98	1.45
			24-May-11	0.62	1.4
Louisville	600.6	As	12-Jul-06	0.67	1.13
			20-Sep-06	0.8	1.23
			15-Nov-06	0.62	0.96
			31-Jan-07	0.49	0.86
			22-Mar-07	0.48	2.04
			22-May-07	0.6	1.5
			24-Jul-07	1.16	0.73
			18-Sep-07	1.11	1.04
			26-Nov-07	0.98	0.7
			15-Jan-08	0.52	0.63
			20-Mar-08	0.58	1.43
			20-May-08	0.58	0.87
			14-Jul-08	1.07	1.98
			24-Sep-08	1.17	0.73
			19-Nov-08	1.01	1.57
			22-Jan-09	0.32	0.41
			12-Mar-09	0.51	0.67
			28-May-09	0.64	0.87
			16-Jul-09	0.76	0.68
			23-Sep-09	0.8	0.93
			18-Nov-09	0.73	0.81
			26-Jan-10	0.4	0.98
			16-Mar-10	0.54	0.81
			20-May-10	0.51	0.95
			22-Jul-10	1.19	1.37
			16-Sep-10	1.06	1.25
			17-Nov-10	1.2	0.88
			26-Jan-11	0.54	0.46
			28-Mar-11	0.58	1.24
			18-May-11	0.94	2.39

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
McAlpine	606.8	As	20-May-10	0.65	1.32
			22-Jul-10	1.1	1.14
			16-Sep-10	0.99	1.19
			17-Nov-10	1.71	0.7
			26-Jan-11	0.57	0.17
			28-Mar-11	0.5	0.77
			18-May-11	0.64	1.61
West Point	625.9	As	12-Jul-06	0.91	1.28
			20-Sep-06	1.07	1.64
			15-Nov-06	0.69	1.3
			19-Jan-07	0.58	1.23
			22-Mar-07	0.32	2.08
			22-May-07	0.63	1.08
			25-Jul-07	1.11	0.64
			18-Sep-07	1.09	1.18
			26-Nov-07	1.07	0.89
			15-Jan-08	0.57	1.18
			20-Mar-08	0.55	1.23
			20-May-08	0.57	2.94
			14-Jul-08	0.96	4.41
			24-Sep-08	1.25	0.86
			19-Nov-08	1.13	1.19
			22-Jan-09	0.43	0.87
			12-Mar-09	0.54	0.94
			28-May-09	0.69	1.37
			16-Jul-09	0.93	0.92
			09-Sep-09	0.86	1.04
			18-Nov-09	0.81	1.05
			26-Jan-10	0.45	0.94
			16-Mar-10	0.52	1.55
			20-May-10	0.71	1.9
			22-Jul-10	1.19	1.29
			16-Sep-10	1.96	2.13
			17-Nov-10	1.24	0.95
			26-Jan-11	0.74	0.6
			28-Mar-11	0.42	0.68
			18-May-11	0.44	1.43
Cannelton	720.7	As	27-Jul-06	0.77	0.79
			14-Sep-06	0.92	1.3
			01-Nov-06	0.79	1.91
			31-Jan-07	0.39	0.91
			22-Mar-07	0.35	2.47
			08-May-07	0.44	0.74
			24-Jul-07	0.9	0.57
			19-Sep-07	1.05	0.92
			27-Nov-07	0.91	0.59
			23-Jan-08	0.47	0.55
			18-Mar-08	0.39	1.26
			21-May-08	0.57	1.01
			23-Jul-08	0.86	0.86
			18-Sep-08	1.08	1.16
			18-Nov-08	0.97	0.91
			03-Feb-09	0.36	0.95
			10-Mar-09	0.46	1.03
			21-May-09	0.59	0.82
			22-Jul-09	0.88	0.95
			23-Sep-09	0.76	0.85
			18-Nov-09	0.77	0.8
			12-Jan-10	0.25	0.46
			24-Mar-10	0.35	1.05
			11-May-10	0.63	0.89
			13-Jul-10	1.05	0.76
			07-Sep-10	1	0.97
			02-Nov-10	1.06	1.3
			26-Jan-11	0.36	0.36
			30-Mar-11	0.29	0.78
			24-May-11	0.62	1.99
Newburgh	776	As	12-Jul-06	0.77	1.24
			20-Sep-06	0.96	1.4
			15-Nov-06	0.66	1.08
			31-Jan-07	0.48	1.45
			22-Mar-07	0.37	2.15
			22-May-07	0.49	0.94
			24-Jul-07	1.07	0.47
			19-Sep-07	0.87	0.96
			27-Nov-07	0.93	0.81
			23-Jan-08	0.54	1.75
			25-Mar-08	0.54	
			21-May-08	0.6	0.95
			15-Jul-08	0.81	0.64
			29-Sep-08	1.04	0.67
			18-Nov-08	0.99	1.15
			03-Feb-09	0.37	0.97
			10-Mar-09	0.45	0.77
			20-May-09	0.48	1.04
			22-Jul-09	0.91	0.94
			15-Sep-09	0.75	0.8
			02-Nov-09	0.62	1.23
			12-Jan-10	0.45	0.5
			24-Mar-10	0.49	0.68
			11-May-10	0.77	1.33
			13-Jul-10	1.07	1.02
			07-Sep-10	0.99	1.04
			02-Nov-10	1.05	1.17
			26-Jan-11	0.51	<0.1
			01-Mar-11	0.58	1.62
			24-May-11	0.65	1.36

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	As	11-Jul-06	0.73	1.07
			19-Sep-06	0.81	1.35
			15-Nov-06	0.7	1.4
			30-Jan-07	0.44	1.62
			22-Mar-07	0.69	1.6
			21-May-07	0.52	0.97
			25-Jul-07	0.92	0.39
			20-Sep-07	1.16	1.05
			28-Nov-07	0.9	0.91
			24-Jan-08	0.53	0.94
			18-Mar-08	0.43	1.21
			21-May-08	0.68	0.94
			22-Jul-08	0.86	0.53
			17-Sep-08	1.12	1.16
			17-Nov-08	0.77	0.94
			02-Feb-09	0.39	1.41
			10-Mar-09	0.35	0.99
			19-May-09	0.54	1.19
			21-Jul-09	0.72	0.68
			15-Sep-09	0.71	1.01
			02-Nov-09	0.73	1.5
			13-Jan-10	0.25	0.42
			25-Mar-10	0.47	1.1
			12-May-10	0.64	1.34
			14-Jul-10	1.08	0.82
			08-Sep-10	0.94	0.93
			03-Nov-10	0.99	0.88
			26-Jan-11	0.5	0.1
			01-Mar-11	0.62	2.04
			23-May-11	0.69	1.52
Smithland	918.5	As	11-Jul-06	0.88	1.18
			19-Sep-06	1.01	1.19
			14-Nov-06	0.83	1.22
			30-Jan-07	0.65	1.51
			21-Mar-07	0.73	1.76
			21-May-07	0.64	0.69
			25-Jul-07	1.11	0.62
			20-Sep-07	1.27	1.3
			28-Nov-07	1.16	0.84
			24-Jan-08	0.75	1.12
			17-Mar-08	0.56	0.98
			22-May-08	0.74	1.78
			22-Jul-08	1	0.87
			30-Sep-08	1.2	0.96
			17-Nov-08	0.99	0.92
			02-Feb-09	0.37	1.35
			10-Mar-09	0.59	0.97
			19-May-09	0.84	1.43
			21-Jul-09	0.85	0.69
			16-Sep-09	0.9	0.94
			02-Nov-09	0.94	1.48
			13-Jan-10	0.46	0.8
			25-Mar-10	0.67	1.02
			13-May-10	0.92	1.53
			15-Jul-10	1.26	1.01
			09-Sep-10	1.14	1.2
			03-Nov-10	1.01	0.83
			27-Jan-11	0.3	0.14
			29-Mar-11	0.62	0.94
			23-May-11	0.95	2.11
L&D 52	938.9	As	11-Jul-06	1	1.38
			19-Sep-06	1.02	2.56
			14-Nov-06	0.77	1.4
			30-Jan-07	0.62	1.66
			21-Mar-07	0.55	1.87
			21-May-07	0.69	0.94
			25-Jul-07	1.09	0.63
			20-Sep-07	1.63	1.45
			28-Nov-07	1.12	1.06
			24-Jan-08	0.84	1.55
			17-Mar-08	0.54	0.94
			22-May-08	0.68	2.15
			21-Jul-08	0.86	0.84
			16-Sep-08	1.2	1.19
			17-Nov-08	1.01	1.08
			02-Feb-09	0.37	1.32
			11-Mar-09	0.59	1.64
			19-May-09	0.86	1.53
			21-Jul-09	0.8	0.92
			16-Sep-09	1	1.22
			03-Nov-09	0.8	1.35
			12-Jan-10	0.48	0.8
			25-Mar-10	0.7	1.2
			12-May-10	0.54	1.31
			14-Jul-10	1.42	1.23
			08-Sep-10	1.27	1.33
			03-Nov-10	1.12	1
			27-Jan-11	0.51	0.34
			16-Mar-11	0.74	0.84
			23-May-11	1.4	1.97

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Ba	13-Jul-06	31.01	34.65
			14-Sep-06	34.46	38.06
			01-Nov-06	31.11	44.05
			12-Jan-07	33.54	38.79
			12-Mar-07	31.09	37.23
			07-May-07	34.07	38.75
			10-Jul-07	51.48	54.69
			17-Sep-07	49.06	50.81
			05-Nov-07	44.87	45.31
			08-Jan-08	35.11	39.42
			18-Mar-08	32.81	37.23
			28-May-08	36.98	40.64
			16-Jul-08	40.79	45.67
			24-Sep-08	50.22	51.28
			12-Nov-08	58.59	56.57
			09-Feb-09	42.46	51.8
			16-Mar-09	30.74	39.48
			18-May-09	37.95	43.6
			15-Jul-09	49.12	52.88
			08-Sep-09	50.03	52.16
			16-Nov-09	43.2	45.95
			18-Jan-10	50.47	52.28
			17-Mar-10	33.15	43.7
			12-May-10	40.59	45.25
			20-Jul-10	62.34	70.81
			23-Sep-10	90.98	91.84
			02-Nov-10	57.9	57.15
			18-Jan-11	43.39	52.19
			21-Mar-11	35.66	44.3
			26-May-11	36.44	40.09
Pike Island	84.2	Ba	13-Jul-06	31.09	35.42
			14-Sep-06	32.82	37.8
			01-Nov-06	30.41	47.49
			12-Jan-07	34.81	40.98
			12-Mar-07	33.56	39.35
			07-May-07	29.73	37.33
			10-Jul-07	54.02	56.89
			17-Sep-07	45.99	46.72
			05-Nov-07	48.07	47.85
			08-Jan-08	35.24	39.5
			18-Mar-08	33.09	38.72
			28-May-08	35.29	38.82
			16-Jul-08	43.56	48.21
			24-Sep-08	50.41	51.32
			12-Nov-08	52.67	58.3
			09-Feb-09	44.78	52.2
			16-Mar-09	29.56	39.58
			18-May-09	35.93	41.57
			15-Jul-09	48.22	52.48
			08-Sep-09	63.62	68.05
			16-Nov-09	38.49	43.35
			18-Jan-10	47.11	56.46
			17-Mar-10	34.29	61.12
			12-May-10	40.95	47.15
			20-Jul-10	58.05	67.25
			23-Sep-10	82.37	89.36
			02-Nov-10	58.26	61.42
			18-Jan-11	38.32	48.42
			21-Mar-11	36.79	46.97
			26-May-11	35.1	43.1
Hannibal	126.4	Ba	18-Jul-06	33.34	37.09
			06-Sep-06	41.83	46.33
			07-Nov-06	30.9	35.11
			02-Jan-07	35.55	38.48
			13-Mar-07	34.93	39.28
			10-May-07	27.25	37.77
			12-Jul-07	55.28	57.9
			24-Sep-07	47.21	48.49
			28-Nov-07	36.53	47.48
			09-Jan-08	36.24	39.83
			26-Mar-08	31.98	36.04
			15-May-08	34.83	40.21
			17-Jul-08	39.51	48.84
			17-Sep-08	51.16	51.83
			19-Nov-08	54.99	58.81
			10-Feb-09	42.22	46.92
			10-Mar-09	34.98	58.61
			19-May-09	36.37	42.14
			22-Jul-09	51.44	55.9
			15-Sep-09	59.69	60.82
			12-Nov-09	43.04	44.86
			20-Jan-10	50.91	39.36
			18-Mar-10	30.85	43.21
			19-May-10	40.4	61.57
			21-Jul-10	62.55	66.79
			14-Sep-10	78.74	75
			08-Nov-10	58.48	62
			25-Jan-11	42.92	53.99
			29-Mar-11	36.63	41.53
			24-May-11	36.21	42.99

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Ba	18-Jul-06	32.1	35.54
			06-Sep-06	45.46	49.2
			07-Nov-06	31.06	35.99
			02-Jan-07	40.67	41.34
			13-Mar-07	35.63	41.43
			10-May-07	31.5	38.95
			12-Jul-07	57.85	61.24
			24-Sep-07	46.84	48.27
			28-Nov-07	39.67	47.14
			09-Jan-08	35.74	44.44
			26-Mar-08	32.61	37.55
			15-May-08	29.46	41.3
			17-Jul-08	50.5	53.92
			08-Sep-08	49.16	50.63
			19-Nov-08	54.44	58.96
			10-Feb-09	42.64	49.9
			10-Mar-09	38.64	52.66
			19-May-09	36.21	40.74
			22-Jul-09	49.07	56.12
			15-Sep-09	46.13	50.09
			12-Nov-09	41.67	47.7
			20-Jan-10	44.9	52.37
			18-Mar-10	32.18	47.4
			19-May-10	37.87	54.19
			27-Jul-10	60.07	66.54
			27-Sep-10	79.51	84.5
			08-Nov-10	67.16	69.66
			25-Jan-11	36.34	48.7
			22-Mar-11	36.62	46.53
			24-May-11	36.02	43.69
Belleville	203.9	Ba	12-Jul-06	33.94	38.55
			19-Sep-06	32.77	35.14
			24-Nov-06	30.76	38.53
			04-Jan-07	36.85	39.83
			15-Mar-07	33.94	42.2
			09-May-07	34.07	42.55
			17-Jul-07	48.69	58.91
			19-Sep-07	44.77	46.46
			08-Nov-07	48.52	48.04
			07-Jan-08	32.05	35.64
			13-Mar-08	29.54	44.58
			19-May-08	33.77	46.31
			23-Jul-08	47.61	50.23
			08-Sep-08	52.65	53.72
			13-Nov-08	51.75	55.33
			22-Jan-09	31.72	
			09-Mar-09	34.15	43.48
			13-May-09	33.34	43.46
			13-Jul-09	48.59	50.03
			09-Sep-09	45.09	48.28
			09-Nov-09	45.53	50.35
			19-Jan-10	40.15	56.3
			24-Mar-10	31.78	48.21
			13-May-10	43.64	50.87
			22-Jul-10	49.95	56.74
			29-Sep-10	76.82	72.2
			17-Nov-10	61.44	62.54
			02-Feb-11	48.96	55.59
			28-Mar-11	35.46	46.36
			25-May-11	30.54	47.69
R.C. Byrd	279.2	Ba	12-Jul-06	35.03	43.43
			19-Sep-06	36.98	42.57
			24-Nov-06	28.33	35.47
			04-Jan-07	31.49	33.82
			15-Mar-07	30.48	42.38
			09-May-07	37.87	52.15
			17-Jul-07	54.66	58.57
			19-Sep-07	44.01	47.36
			08-Nov-07	50.23	51.49
			07-Jan-08	34.12	37.95
			13-Mar-08	28.66	41.06
			19-May-08	30.55	38.66
			23-Jul-08	46.85	53.21
			17-Sep-08	46.14	55.72
			13-Nov-08	50.27	54.53
			22-Jan-09	31.45	33.9
			09-Mar-09	33.55	37.7
			13-May-09	29.98	38.04
			13-Jul-09	46.85	52.03
			09-Sep-09	47.26	49.81
			09-Nov-09	44.04	49.02
			19-Jan-10	32.62	56.21
			24-Mar-10	27.53	39.8
			13-May-10	43.83	53.9
			22-Jul-10	53.62	66.53
			29-Sep-10	57.98	65.71
			17-Nov-10	56.72	62.45
			02-Feb-11	36.85	45.71
			28-Mar-11	31.48	38.55
			25-May-11	28.61	41.02

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Ba	25-Jul-06	34.43	39.12
			12-Sep-06	41.02	46.25
			28-Nov-06	29.27	35.96
			30-Jan-07	32	35.87
			15-Mar-07	32.51	41.28
			09-May-07	28.09	
			26-Jul-07	52.65	58.15
			13-Sep-07	46.36	49
			29-Nov-07	40.08	50.09
			29-Jan-08	31.95	37.2
			20-Mar-08	29.94	46.45
			29-May-08	34.45	37.93
			21-Jul-08	41.54	47.07
			25-Sep-08	53.02	58.36
			15-Nov-08	50.79	55.28
			22-Jan-09	32.29	35.66
			09-Mar-09	33.08	37.45
			28-May-09	32.77	43.86
			15-Jul-09	42.87	50.8
			28-Sep-09	51.2	54.23
			09-Nov-09	40.61	48.59
			13-Jan-10	33.27	36.12
			24-Mar-10	29.64	44.06
			19-May-10	38.15	66.95
			29-Jul-10	46.68	48.08
			27-Sep-10	71.1	69.14
			18-Nov-10	60.38	61.12
			10-Jan-11	44.79	55.14
			08-Mar-11	31.78	65.08
			11-May-11	29.38	77.99
Meldahl	436.2	Ba	12-Jul-06	35.72	40.63
			12-Sep-06	39.05	44.62
			28-Nov-06	31.35	37.34
			30-Jan-07	30.68	35.76
			15-Mar-07	29.53	41.26
			09-May-07	29.75	45.4
			25-Jul-07	52.73	58.74
			13-Sep-07	49.27	56.97
			29-Nov-07	42.86	50.93
			28-Jan-08	31.41	36.09
			26-Mar-08	31.26	49.87
			29-May-08	35.06	37.98
			21-Jul-08	43.11	50.47
			25-Sep-08	58.29	57.8
			15-Nov-08	54.44	60.86
			22-Jan-09	29.76	34.61
			09-Mar-09	36.1	38.48
			28-May-09	33.45	42.95
			29-Jul-09	43.7	51.46
			28-Sep-09	46.42	53.9
			04-Nov-09	50.55	59.35
			13-Jan-10	33.73	36.29
			24-Mar-10	31.83	46.28
			19-May-10	30.94	55.05
			29-Jul-10	41.8	53.26
			27-Sep-10	67.57	71.11
			23-Nov-10	58.63	60.4
			10-Jan-11	39.84	59.22
			08-Mar-11	30.98	69.99
			11-May-11	33.46	47.83
Anderson Ferry	477.5	Ba	12-Jul-06	35.81	41.13
			11-Sep-06	37.33	44.7
			09-Nov-06	31.16	42.06
			24-Jan-07	30.32	114.53
			27-Mar-07	33.62	56.36
			08-May-07	37.23	44.79
			24-Jul-07	52.71	57.21
			18-Sep-07	52.12	56.3
			28-Nov-07	42.66	46.26
			09-Jan-08	34.71	41.73
			24-Mar-08	28.55	62.99
			13-May-08	40.79	57.74
			17-Jul-08	46.84	52.02
			23-Sep-08	57.47	57.9
			19-Nov-08	50.53	51.79
			14-Jan-09	30.47	45.94
			09-Mar-09	32.91	39.43
			28-May-09	39.64	44.78
			29-Jul-09	48.12	51.85
			21-Sep-09	57.6	63.69
			03-Nov-09	45.85	55.42
			12-Jan-10	35.48	51.95
			23-Mar-10	31.77	49.64
			20-May-10	37.51	56.51
			13-Jul-10	47.79	51.65
			20-Sep-10	72.29	70.14
			19-Nov-10	72.12	72.04
			18-Jan-11	47.41	50.7
			08-Mar-11	32.64	64.37
			24-May-11	30.56	44.97

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Ba	13-Jul-06	37.87	43.63
			13-Sep-06	35.43	47.56
			09-Nov-06	31.04	39.59
			24-Jan-07	29.14	46.21
			27-Mar-07	32.62	57.02
			22-May-07	31.32	44.8
			25-Jul-07	45.76	57.92
			18-Sep-07	55.77	57.55
			28-Nov-07	43.02	48.71
			09-Jan-08	35.59	40.75
			24-Mar-08	31.45	68.2
			13-May-08	37.9	51
			21-Jul-08	37.78	39.79
			24-Sep-08	56.06	57.18
			19-Nov-08	61.21	66.42
			02-Feb-09	30.42	42.12
			09-Mar-09	33.25	40.92
			28-May-09	35.58	43.23
			16-Jul-09	45.03	48.56
			22-Sep-09	53.81	57.99
			18-Nov-09	43.55	50.05
			12-Jan-10	34.49	49.27
			23-Mar-10	31.74	48.48
			26-May-10	32.98	42.24
			14-Jul-10	45.77	54.71
			20-Sep-10	65.61	69.95
			19-Nov-10	68.84	68.07
			18-Jan-11	36.2	46.71
			08-Mar-11	31.92	77.9
			24-May-11	33.27	49.18
Louisville	600.6	Ba	12-Jul-06	36.44	40.43
			20-Sep-06	42.24	46.78
			15-Nov-06	32.31	38.51
			31-Jan-07	30.42	36.05
			22-Mar-07	29.29	82.9
			22-May-07	43.82	67.19
			24-Jul-07	58.41	59.37
			18-Sep-07	66.21	68.24
			26-Nov-07	46.74	48.43
			15-Jan-08	28.76	40.35
			20-Mar-08	17.76	66.75
			20-May-08	29.55	37.17
			14-Jul-08	52.46	80.02
			24-Sep-08	57.74	57.16
			19-Nov-08	58.12	65.88
			22-Jan-09	28.78	31.95
			12-Mar-09	33.14	38.02
			28-May-09	37.17	48.09
			16-Jul-09	44.4	50.07
			23-Sep-09	48.1	50.38
			18-Nov-09	48.88	51.19
			26-Jan-10	27.58	49.16
			16-Mar-10	41.46	56.89
			20-May-10	32.02	50.35
			22-Jul-10	48.73	55.28
			16-Sep-10	58.93	60.07
			17-Nov-10	67.08	67.28
			26-Jan-11	41.17	57.61
			28-Mar-11	57.96	98.01
			18-May-11	42.86	80.83
McAlpine	606.8	Ba	20-May-10	37.93	58.8
			22-Jul-10	48.33	56.23
			16-Sep-10	58.12	58.52
			17-Nov-10	67.9	67.16
			26-Jan-11	40.68	52.51
			28-Mar-11	34.18	52.15
			18-May-11	35.59	62.67
West Point	625.9	Ba	12-Jul-06	38.62	41.75
			20-Sep-06	42.14	46.78
			15-Nov-06	33.09	42.64
			19-Jan-07	34.99	48.04
			22-Mar-07	25.39	79.48
			22-May-07	38	50.54
			25-Jul-07	58.18	58.92
			18-Sep-07	66.83	68.25
			26-Nov-07	50.51	50.15
			15-Jan-08	29.99	52.92
			20-Mar-08	21.19	61.2
			20-May-08	29.39	150.12
			14-Jul-08	47.78	146.2
			24-Sep-08	57.01	58.19
			19-Nov-08	56.89	63.48
			22-Jan-09	30.66	39.36
			12-Mar-09	33.86	42.76
			28-May-09	39.46	55.92
			16-Jul-09	49.98	53.83
			09-Sep-09	47.96	53.47
			18-Nov-09	49.04	57.92
			26-Jan-10	29.02	51.69
			16-Mar-10	43.72	80.29
			20-May-10	34.16	74.92
			22-Jul-10	46.48	57.82
			16-Sep-10	66.98	64.6
			17-Nov-10	68.28	68.45
			26-Jan-11	40.52	51.47
			28-Mar-11	31.03	50.35
			18-May-11	31.97	63.01

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Ba	27-Jul-06	37.03	41.1
			14-Sep-06	38.98	46.23
			01-Nov-06	31.82	71.86
			31-Jan-07	31.53	39.31
			22-Mar-07	31.44	95.11
			08-May-07	31.79	41.49
			24-Jul-07	54.22	54.91
			19-Sep-07	62.57	64.59
			27-Nov-07	48.77	48.8
			23-Jan-08	31.66	38.37
			18-Mar-08	29.54	47.04
			21-May-08	28.8	47.51
			23-Jul-08	47.05	49.42
			18-Sep-08	56.35	57.07
			18-Nov-08	55.74	58.66
			03-Feb-09	29.53	45.54
			10-Mar-09	30.59	41.83
			21-May-09	32.57	43.38
			22-Jul-09	46.79	49.98
			23-Sep-09	46.38	52.04
			18-Nov-09	45.97	48.45
			12-Jan-10	29.47	31.69
			24-Mar-10	33.06	57.82
			11-May-10	30.14	40.29
			13-Jul-10	46.04	48.42
			07-Sep-10	53.32	53.67
			02-Nov-10	63.22	67.33
			26-Jan-11	35.26	43.78
			30-Mar-11	33.32	52.96
			24-May-11	36.18	71.95
Newburgh	776	Ba	12-Jul-06	34.76	42.06
			20-Sep-06	39.5	42.49
			15-Nov-06	33.74	41.37
			31-Jan-07	33.1	49.22
			22-Mar-07	26.64	71.2
			22-May-07	36.82	47.34
			24-Jul-07	53.07	53.15
			19-Sep-07	62.4	62.08
			27-Nov-07	45	50.14
			23-Jan-08	33.85	66.1
			25-Mar-08	24.86	
			21-May-08	29.87	51.35
			15-Jul-08	47.75	50.56
			29-Sep-08	56.02	55.17
			18-Nov-08	57.73	61.73
			03-Feb-09	28.86	51.62
			10-Mar-09	29.7	36.44
			20-May-09	30.79	46.44
			22-Jul-09	42.5	45.9
			15-Sep-09	39.67	44.55
			02-Nov-09	38.22	57.42
			12-Jan-10	31.28	33.88
			24-Mar-10	32.16	48.57
			11-May-10	30.62	46.94
			13-Jul-10	45.12	46.82
			07-Sep-10	48.17	52.03
			02-Nov-10	64.87	67.19
			26-Jan-11	39.09	43.99
			01-Mar-11	36.5	85.62
			24-May-11	37.42	52.95
J.T. Myers	846	Ba	11-Jul-06	37.51	42.58
			19-Sep-06	39.5	43.26
			15-Nov-06	32.49	46.89
			30-Jan-07	33.19	55.83
			22-Mar-07	31.08	67.45
			21-May-07	36.24	44.82
			25-Jul-07	51.48	52.28
			20-Sep-07	60.64	60.33
			28-Nov-07	43.8	50.67
			24-Jan-08	32.13	45.91
			18-Mar-08	29.63	45.66
			21-May-08	30.59	56.96
			22-Jul-08	50.29	51
			17-Sep-08	52.51	54.03
			17-Nov-08	51.05	52.88
			02-Feb-09	26.75	68.01
			10-Mar-09	28.89	38.66
			19-May-09	29.23	53.16
			21-Jul-09	40.33	43.91
			15-Sep-09	35.89	44.98
			02-Nov-09	33.83	52.2
			13-Jan-10	30.89	34.15
			25-Mar-10	35.53	62.21
			12-May-10	28.95	49.33
			14-Jul-10	42.27	46.16
			08-Sep-10	44.52	48.96
			03-Nov-10	56.01	61.29
			26-Jan-11	35.61	43.23
			01-Mar-11	37.39	121.46
			23-May-11	34.4	75.59

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Ba	11-Jul-06	38.71	42.62
			19-Sep-06	38.88	42.64
			14-Nov-06	35.49	43.79
			30-Jan-07	37.7	54.58
			21-Mar-07	32.44	64.14
			21-May-07	38.74	43.84
			25-Jul-07	47.84	50.48
			20-Sep-07	50.28	54.75
			28-Nov-07	46.13	47.54
			24-Jan-08	38.32	55.85
			17-Mar-08	32.59	47.81
			22-May-08	34.29	63.44
			22-Jul-08	43.16	46.61
			30-Sep-08	52.22	53.44
			17-Nov-08	51.82	53
			02-Feb-09	28.74	56.03
			10-Mar-09	32.12	44.75
			19-May-09	33.11	54.64
			21-Jul-09	42.41	45.56
			16-Sep-09	38.88	42.89
			02-Nov-09	35.27	48.26
			13-Jan-10	34.65	43.56
			25-Mar-10	39.14	62.92
			13-May-10	34.77	57.36
			15-Jul-10	44.47	49.39
			09-Sep-10	53.31	54.94
			03-Nov-10	57.2	60.99
			27-Jan-11	19.27	44.84
			29-Mar-11	36.55	56.18
			23-May-11	37.05	58.31
L&D 52	938.9	Ba	11-Jul-06	38.75	49.23
			19-Sep-06	37.19	73.86
			14-Nov-06	36.21	50.31
			30-Jan-07	35.44	61.95
			21-Mar-07	33.88	66.71
			21-May-07	39.02	47.38
			25-Jul-07	47.7	49.81
			20-Sep-07	43.57	43.79
			28-Nov-07	45.69	52.56
			24-Jan-08	37.34	67.63
			17-Mar-08	29.18	46.45
			22-May-08	34.88	98.22
			21-Jul-08	44.35	47.17
			16-Sep-08	52.54	55.61
			17-Nov-08	42.99	47.23
			02-Feb-09	28.21	60.93
			11-Mar-09	33.05	58.9
			19-May-09	32.75	49.03
			21-Jul-09	43.74	47.29
			16-Sep-09	31.51	37.73
			03-Nov-09	36.35	53.23
			12-Jan-10	33.54	42.05
			25-Mar-10	38.51	58.22
			12-May-10	43.64	48.23
			14-Jul-10	44.39	49.8
			08-Sep-10	41.66	47.64
			03-Nov-10	40.98	45.72
			27-Jan-11	39.1	45.93
			16-Mar-11	35.7	46.42
			23-May-11	39.17	56.95
New Cumberland	54.4	Ca	13-Jul-06	28.24	33.13
			14-Sep-06	23.67	25.88
			01-Nov-06	18.87	20.83
			12-Jan-07	21.01	21.05
			12-Mar-07	23.48	26.42
			07-May-07	25.27	25.72
			10-Jul-07	38.61	39.9
			17-Sep-07	35.22	36.89
			05-Nov-07	34.85	36.19
			08-Jan-08	23.98	25.2
			18-Mar-08	22.26	24.88
			28-May-08	25.87	26.66
			16-Jul-08	31.96	33.19
			24-Sep-08	36.32	37.82
			12-Nov-08	36.36	39.59
			09-Feb-09	33.12	34.01
			16-Mar-09	16.95	17.35
			18-May-09	23.21	25.47
			15-Jul-09	27.59	27.53
			08-Sep-09	26.5	27.24
			16-Nov-09	25.95	27.01
			18-Jan-10	34.22	34.77
			17-Mar-10	18.95	19.76
			12-May-10	30.62	29.88
			20-Jul-10	36.67	44.71
			23-Sep-10	42.53	42.95
			02-Nov-10	38.13	38.1
			18-Jan-11	23.46	25.89
			21-Mar-11	22.32	23.06
			26-May-11	26.48	26.37

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Ca	13-Jul-06	29.71	31.9
			14-Sep-06	23.12	25.68
			01-Nov-06	17.77	20.31
			12-Jan-07	20.89	21.34
			12-Mar-07	24.94	26.39
			07-May-07	23.84	26.5
			10-Jul-07	40.84	42.37
			17-Sep-07	34.26	35.36
			05-Nov-07	37.75	38.3
			08-Jan-08	23.33	24.02
			18-Mar-08	22.67	25.39
			28-May-08	24.89	25.4
			16-Jul-08	39.04	41.29
			24-Sep-08	39.59	41.07
			12-Nov-08	37.67	40.44
			09-Feb-09	34.61	35.08
			16-Mar-09	16.21	16.96
			18-May-09	23.21	24.87
			15-Jul-09	28.2	28.65
			08-Sep-09	30.38	32.11
			16-Nov-09	24.47	27.16
			18-Jan-10	36.24	31.98
			17-Mar-10	20.48	32.66
			12-May-10	30.38	32.96
			20-Jul-10	40.18	49.24
			23-Sep-10	42.34	44.31
			02-Nov-10	40.06	41.3
			18-Jan-11	22.27	25.6
			21-Mar-11	22.66	24.55
			26-May-11	25.46	26.22
Hannibal	126.4	Ca	18-Jul-06	29.3	33.23
			06-Sep-06	31.85	32.81
			07-Nov-06	21.23	22.24
			02-Jan-07	27.08	29.75
			13-Mar-07	27.14	28.23
			10-May-07	23.73	28.41
			12-Jul-07	42.87	44.61
			24-Sep-07	32.63	33.4
			28-Nov-07	32.65	33.85
			09-Jan-08	24.47	24.35
			26-Mar-08	22.96	25.24
			15-May-08	28.13	28.85
			17-Jul-08	32.58	38.52
			17-Sep-08	38.35	39.39
			19-Nov-08	40.91	40.73
			10-Feb-09	34.99	36.39
			10-Mar-09	23.48	26.42
			19-May-09	26.24	27.83
			22-Jul-09	30.34	30.39
			15-Sep-09	31.67	32.86
			12-Nov-09	28.99	29.01
			20-Jan-10	35.28	24.14
			18-Mar-10	18.57	21.01
			19-May-10	24.03	27.85
			21-Jul-10	43.55	40.72
			14-Sep-10	42.43	41.08
			08-Nov-10	40.68	42.24
			25-Jan-11	24.71	29.68
			29-Mar-11	25.97	25.84
			24-May-11	26.88	28.14
Willow Island	161.8	Ca	18-Jul-06	30.43	32.27
			06-Sep-06	35.48	37.5
			07-Nov-06	20.37	20.9
			02-Jan-07	28.45	30.46
			13-Mar-07	25.88	28.12
			10-May-07	26.98	28.64
			12-Jul-07	42.77	44.64
			24-Sep-07	31.82	32.59
			28-Nov-07	31.45	32.47
			09-Jan-08	23.88	24.72
			26-Mar-08	22.7	24.47
			15-May-08	24.02	30.06
			17-Jul-08	41.45	41.5
			08-Sep-08	32.41	33.17
			19-Nov-08	41.55	41.44
			10-Feb-09	36.31	37.46
			10-Mar-09	25.67	26.42
			19-May-09	24.96	25.88
			22-Jul-09	30.19	30.88
			15-Sep-09	26.12	26.52
			12-Nov-09	28.03	27.58
			20-Jan-10	35.55	35.41
			18-Mar-10	20.48	21.4
			19-May-10	22.38	28.29
			27-Jul-10	41.48	47.62
			27-Sep-10	43.28	45.73
			08-Nov-10	40.98	42.18
			25-Jan-11	22.53	27.88
			22-Mar-11	23.17	24.59
			24-May-11	27.89	28.33

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Ca	12-Jul-06	34.51	42.51
			19-Sep-06	29.43	31.89
			24-Nov-06	25.11	25.83
			04-Jan-07	31.93	37.57
			15-Mar-07	32.12	33.91
			09-May-07	33.25	33.46
			17-Jul-07	37.23	44.86
			19-Sep-07	34.54	35.84
			08-Nov-07	41.61	43
			07-Jan-08	22.99	23.41
			13-Mar-08	26.49	29.58
			19-May-08	30.94	32.43
			23-Jul-08	44.59	44.81
			08-Sep-08	36.97	37.82
			13-Nov-08	44.62	45.29
			22-Jan-09	29.93	
			09-Mar-09	28.55	31.11
			13-May-09	27.82	30.06
			13-Jul-09	34.09	34.18
			09-Sep-09	28.85	30.57
			09-Nov-09	36.17	39.1
			19-Jan-10	34.57	36.34
			24-Mar-10	25.61	27.74
			13-May-10	40.07	41.96
			22-Jul-10	36.81	40.31
			29-Sep-10	42.43	44.21
			17-Nov-10	45.6	45.48
			02-Feb-11	34.16	36.46
			28-Mar-11	33.21	34.34
			25-May-11	28.5	35.68
R.C. Byrd	279.2	Ca	12-Jul-06	23.91	26.59
			19-Sep-06	27.11	27.98
			24-Nov-06	21.47	20.13
			04-Jan-07	22.1	24.08
			15-Mar-07	24.66	26.54
			09-May-07	29.03	29.24
			17-Jul-07	34.94	36.09
			19-Sep-07	30.3	30.98
			08-Nov-07	39.94	40.11
			07-Jan-08	27.16	28.34
			13-Mar-08	18.23	20.34
			19-May-08	18.8	19.21
			23-Jul-08	35.67	36.02
			17-Sep-08	29.95	35.61
			13-Nov-08	33.69	37.99
			22-Jan-09	23.87	24.28
			09-Mar-09	25.39	26.64
			13-May-09	15.03	14.95
			13-Jul-09	32.88	31.1
			09-Sep-09	29.41	30.47
			09-Nov-09	35.06	35.02
			19-Jan-10	22.91	36.19
			24-Mar-10	15.77	17.82
			13-May-10	31.87	33.92
			22-Jul-10	34.07	37.16
			29-Sep-10	34.72	37.55
			17-Nov-10	38.96	39.77
			02-Feb-11	24.03	23.87
			28-Mar-11	21.28	21.92
			25-May-11	21.93	26.03
Greenup	341	Ca	25-Jul-06	29.49	32.89
			12-Sep-06	33.76	37.78
			28-Nov-06	21.92	22.39
			30-Jan-07	23.07	24.36
			15-Mar-07	27.7	28.79
			09-May-07	23.84	
			26-Jul-07	33.88	37.06
			13-Sep-07	35.44	36.23
			29-Nov-07	34.55	37.34
			29-Jan-08	33.04	26.6
			20-Mar-08	23.97	26.42
			29-May-08	25.46	25.31
			21-Jul-08	31.29	32.97
			25-Sep-08	34.8	37.08
			15-Nov-08	35.36	36.84
			22-Jan-09	24.46	31.31
			09-Mar-09	25.49	27.36
			28-May-09	22.43	27.4
			15-Jul-09	31.16	32.75
			28-Sep-09	31.19	32.33
			09-Nov-09	30.54	35.96
			13-Jan-10	26.79	29.54
			24-Mar-10	19.67	22.18
			19-May-10	26.65	29.38
			29-Jul-10	27.42	26.92
			27-Sep-10	41.59	41.09
			18-Nov-10	41.09	42.17
			10-Jan-11	28.34	29.25
			08-Mar-11	23.52	23.76
			11-May-11	26.3	27.6

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Ca	12-Jul-06	30.28	36.88
			12-Sep-06	30.96	31.93
			28-Nov-06	26.44	28.82
			30-Jan-07	25.5	26.63
			15-Mar-07	27.34	30.41
			09-May-07	26.81	32.02
			25-Jul-07	34.8	37.98
			13-Sep-07	36.78	42.04
			29-Nov-07	36.44	38.43
			28-Jan-08	28.51	29.44
			26-Mar-08	26.29	28.4
			29-May-08	28.1	27.99
			21-Jul-08	31.71	35.34
			25-Sep-08	38.25	38.3
			15-Nov-08	39.05	40.29
			22-Jan-09	24.39	25.54
			09-Mar-09	30.25	30
			28-May-09	24.08	28.91
			29-Jul-09	30.25	33.3
			28-Sep-09	34.06	35.16
			04-Nov-09	38.03	40.26
			13-Jan-10	27.83	33.93
			24-Mar-10	25.69	26
			19-May-10	22.95	31.37
			29-Jul-10	28.38	31.54
			27-Sep-10	42.63	44.8
			23-Nov-10	41.17	41.42
			10-Jan-11	27.65	28.24
			08-Mar-11	24.76	25.25
			11-May-11	33.42	34.01
Anderson Ferry	477.5	Ca	12-Jul-06	31.93	37.62
			11-Sep-06	30.79	35.32
			09-Nov-06	26.26	28.62
			24-Jan-07	25.53	30.11
			27-Mar-07	27.77	30.28
			08-May-07	32.21	31.43
			24-Jul-07	34.11	36.76
			18-Sep-07	39.47	42.5
			28-Nov-07	37.46	38.85
			09-Jan-08	29.67	29.65
			24-Mar-08	24.19	27.83
			13-May-08	34.84	35.98
			17-Jul-08	35.16	34.52
			23-Sep-08	40.27	40.42
			19-Nov-08	37.28	37.75
			14-Jan-09	23.24	23.43
			09-Mar-09	28.2	31.07
			28-May-09	29.96	30.33
			29-Jul-09	33.23	33.57
			21-Sep-09	41.6	42.59
			03-Nov-09	39.53	40.96
			12-Jan-10	34.16	36.48
			23-Mar-10	26.11	27.4
			20-May-10	29	32.37
			13-Jul-10	37.4	40.86
			20-Sep-10	44.78	43.07
			19-Nov-10	47.12	47.94
			18-Jan-11	32.41	33.13
			08-Mar-11	28.03	29.47
			24-May-11	34.62	35.9
Markland	531.5	Ca	13-Jul-06	33.14	41.43
			13-Sep-06	29.03	34.83
			09-Nov-06	26.75	31.11
			24-Jan-07	26.06	30.68
			27-Mar-07	26.28	30.83
			22-May-07	29.06	36.31
			25-Jul-07	29.86	37.81
			18-Sep-07	40.58	42.56
			28-Nov-07	38.05	41.47
			09-Jan-08	31.69	32
			24-Mar-08	25.97	28.32
			13-May-08	35.53	37.63
			21-Jul-08	39.76	38.82
			24-Sep-08	38.52	38.83
			19-Nov-08	45.18	44.64
			02-Feb-09	26.88	27.67
			09-Mar-09	29.97	32.16
			28-May-09	28.17	31.55
			16-Jul-09	35.37	36.52
			22-Sep-09	39.03	39.96
			18-Nov-09	36	35.92
			12-Jan-10	34.49	37.47
			23-Mar-10	25.98	28.5
			26-May-10	30.13	31.37
			14-Jul-10	35.22	42.31
			20-Sep-10	43.62	44.02
			19-Nov-10	45.72	45.96
			18-Jan-11	27.57	33.3
			08-Mar-11	30.16	34.01
			24-May-11	34.46	36.02

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Ca	12-Jul-06	32.73	37.62
			20-Sep-06	37.67	38.46
			15-Nov-06	34.98	33.37
			31-Jan-07	29.67	33.65
			22-Mar-07	28.42	31.94
			22-May-07	37.77	34.95
			24-Jul-07	39.16	39.27
			18-Sep-07	45.78	45.38
			26-Nov-07	43.97	44.55
			15-Jan-08	34.24	34.67
			20-Mar-08	25.99	36.64
			20-May-08	32.19	32.2
			14-Jul-08	39.2	41.45
			24-Sep-08	40.9	40.9
			19-Nov-08	42	41.6
			22-Jan-09	29.21	29.03
			12-Mar-09	34.53	34.84
			28-May-09	31.05	33.87
			16-Jul-09	36.51	35.85
			23-Sep-09	36.3	37.51
			18-Nov-09	46.47	46
			26-Jan-10	35.79	37.01
			16-Mar-10	37.13	39.68
			20-May-10	30.68	36.98
			22-Jul-10	44.23	45.8
			16-Sep-10	41.67	41.33
			17-Nov-10	47.67	47.83
			26-Jan-11	35.66	39.27
			28-Mar-11	59.93	61.98
			18-May-11	46.45	50.33
McAlpine	606.8	Ca	20-May-10	36.52	37.77
			22-Jul-10	43.89	45.9
			16-Sep-10	41.72	41.64
			17-Nov-10	47.23	47.44
			26-Jan-11	32.74	37.69
			28-Mar-11	32.85	35.13
			18-May-11	39.92	40.68
West Point	625.9	Ca	12-Jul-06	42.93	53.11
			20-Sep-06	42.36	43.21
			15-Nov-06	35.5	38.02
			19-Jan-07	33.92	32.17
			22-Mar-07	24.62	32.02
			22-May-07	45.36	46.41
			25-Jul-07	42.23	42.06
			18-Sep-07	55.86	56.06
			26-Nov-07	53.07	52.71
			15-Jan-08	34.43	35.78
			20-Mar-08	28.23	35.89
			20-May-08	32.89	58.3
			14-Jul-08	47	74.46
			24-Sep-08	49.98	50.84
			19-Nov-08	50.02	48.98
			22-Jan-09	36.42	36.67
			12-Mar-09	36.74	36.77
			28-May-09	38.17	39.81
			16-Jul-09	46.27	45.29
			09-Sep-09	49.04	51.47
			18-Nov-09	56.7	55.91
			26-Jan-10	38.53	41.29
			16-Mar-10	40.04	43.75
			20-May-10	35.94	47.16
			22-Jul-10	44.59	46.85
			16-Sep-10	68.33	68.08
			17-Nov-10	58	57.65
			26-Jan-11	42.18	45.47
			28-Mar-11	28.59	35.3
			18-May-11	40.17	42.17
Cannelton	720.7	Ca	27-Jul-06	35.99	40.54
			14-Sep-06	34.75	38.42
			01-Nov-06	32.36	36.07
			31-Jan-07	32.5	31.63
			22-Mar-07	29.92	32.77
			08-May-07	32.35	34.23
			24-Jul-07	37.11	37.47
			19-Sep-07	42.46	43.09
			27-Nov-07	40.72	40.97
			23-Jan-08	33.27	33.51
			18-Mar-08	31.55	34.48
			21-May-08	32.13	33.54
			23-Jul-08	39.47	38.02
			18-Sep-08	45.55	45.63
			18-Nov-08	40.7	40.91
			03-Feb-09	33.33	33.78
			10-Mar-09	31.9	33.21
			21-May-09	31.39	32.23
			22-Jul-09	37.87	37.17
			23-Sep-09	36.59	37.76
			18-Nov-09	47.44	46.49
			12-Jan-10	33.13	32.88
			24-Mar-10	28.27	30.55
			11-May-10	32.87	34.04
			13-Jul-10	41.63	47.28
			07-Sep-10	38.45	38.32
			02-Nov-10	47.55	50.12
			26-Jan-11	30.49	34.88
			30-Mar-11	31.68	33.36
			24-May-11	37.91	41.44

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Ca	12-Jul-06	34.43	43.01
			20-Sep-06	37.45	37.91
			15-Nov-06	34.61	40.75
			31-Jan-07	35.81	35.82
			22-Mar-07	26.39	34.31
			22-May-07	40.69	36.8
			24-Jul-07	35	34.64
			19-Sep-07	40.3	39.76
			27-Nov-07	38.54	42.24
			23-Jan-08	35.54	37.44
			25-Mar-08	27.33	
			21-May-08	34.73	35.64
			15-Jul-08	41.61	41.77
			29-Sep-08	46.32	46.15
			18-Nov-08	45.27	44.42
			03-Feb-09	33.38	34.55
			10-Mar-09	33.97	34.39
			20-May-09	29.08	31.41
			22-Jul-09	36.04	35.52
			15-Sep-09	31.83	34.98
			02-Nov-09	46.85	47.73
			12-Jan-10	36.06	36.21
			24-Mar-10	28.83	20.64
			11-May-10	33.08	34.69
			13-Jul-10	41.15	45.24
			07-Sep-10	38.27	37.25
			02-Nov-10	49.54	51.83
			26-Jan-11	34.45	35.73
			01-Mar-11	41.98	44.66
			24-May-11	37.33	38.53
J.T. Myers	846	Ca	11-Jul-06	37.81	43.62
			19-Sep-06	38.48	38.71
			15-Nov-06	35.49	32.73
			30-Jan-07	35.27	33.99
			22-Mar-07	35.42	37.31
			21-May-07	40.87	37.85
			25-Jul-07	36.55	36.32
			20-Sep-07	39.54	39.06
			28-Nov-07	39.43	40.75
			24-Jan-08	35.01	35.74
			18-Mar-08	31.74	33.6
			21-May-08	35.04	36.88
			22-Jul-08	43.43	42.34
			17-Sep-08	43.01	43.22
			17-Nov-08	40.7	40.33
			02-Feb-09	28.81	32.93
			10-Mar-09	34.91	35.16
			19-May-09	28.42	28.85
			21-Jul-09	37.27	36.76
			15-Sep-09	31.94	37.9
			02-Nov-09	42.56	43.25
			13-Jan-10	37.42	37.42
			25-Mar-10	31.69	32.69
			12-May-10	30.82	31.35
			14-Jul-10	40.13	42.91
			08-Sep-10	39.44	40.91
			03-Nov-10	46.42	50.88
			26-Jan-11	32.68	36.44
			01-Mar-11	41.36	47.83
			23-May-11	37.29	39.62
Smithland	918.5	Ca	11-Jul-06	41.05	48.7
			19-Sep-06	38.8	39.63
			14-Nov-06	39.55	44.58
			30-Jan-07	41.38	40.78
			21-Mar-07	37.74	39.14
			21-May-07	47.57	48.4
			25-Jul-07	36.11	36.02
			20-Sep-07	40.1	39.92
			28-Nov-07	43.77	43.95
			24-Jan-08	43.53	44.64
			17-Mar-08	34.52	35.73
			22-May-08	37.43	40.53
			22-Jul-08	43.91	42.89
			30-Sep-08	45.12	44.95
			17-Nov-08	46.82	45.69
			02-Feb-09	33.01	34.21
			10-Mar-09	40.88	41.72
			19-May-09	32.51	32.99
			21-Jul-09	43.15	42.47
			16-Sep-09	35.09	37.43
			02-Nov-09	43.6	45.75
			13-Jan-10	49.31	48.02
			25-Mar-10	37.8	38.47
			13-May-10	36.87	38.87
			15-Jul-10	46.42	53.48
			09-Sep-10	45.19	44.47
			03-Nov-10	49.83	52.29
			27-Jan-11	19.63	42.18
			29-Mar-11	41.12	41.38
			23-May-11	43.66	42.04

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Ca	11-Jul-06	40.53	49.94
			19-Sep-06	38	40.84
			14-Nov-06	37.93	43.37
			30-Jan-07	37.44	36.39
			21-Mar-07	39.65	40.16
			21-May-07	49.85	50.41
			25-Jul-07	35.54	35.49
			20-Sep-07	33.08	32.75
			28-Nov-07	43.4	43.95
			24-Jan-08	24.63	45.72
			17-Mar-08	30.23	35.07
			22-May-08	37.73	44.04
			21-Jul-08	42.04	40.82
			16-Sep-08	42.99	43.25
			17-Nov-08	39.57	38.63
			02-Feb-09	32.68	34.05
			11-Mar-09	40.27	41.64
			19-May-09	33.12	33.71
			21-Jul-09	43.24	41.99
			16-Sep-09	29.91	34.07
			03-Nov-09	45.8	45.62
			12-Jan-10	45.43	44.44
			25-Mar-10	36.74	37.82
			12-May-10	40.07	36.06
			14-Jul-10	45.18	50.32
			08-Sep-10	35.84	37.26
			03-Nov-10	34.97	36.77
			27-Jan-11	39.48	41.46
			16-Mar-11	33.42	32.69
			23-May-11	45.07	43.75
New Cumberland	54.4	Cd	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	0.13
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	<0.1	<0.1
			17-Sep-07	<0.1	<0.1
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	<0.1
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	0.11
			26-May-11	<0.1	<0.1
Pike Island	84.2	Cd	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	<0.1	<0.1
			17-Sep-07	<0.1	<0.1
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	0.21
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	0.15
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	<0.1
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	0.13
			26-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	Cd	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	<0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	0.13
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	0.17
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	0.18
			19-May-10	<0.1	0.11
			21-Jul-10	<0.1	<0.1
			14-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	0.11
			25-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	<0.1
			24-May-11	<0.1	0.16
Willow Island	161.8	Cd	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	<0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	0.12
			26-Mar-08	<0.1	0.1
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	0.15
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	0.13
			19-May-10	<0.1	<0.1
			27-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	<0.1
			25-Jan-11	<0.1	<0.1
			22-Mar-11	<0.1	0.12
			24-May-11	<0.1	<0.1
Belleville	203.9	Cd	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	<0.1
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	0.1
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			29-Sep-10	<0.1	<0.1
			17-Nov-10	0.3	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	0.11
			25-May-11	<0.1	0.14

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	Cd	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	<0.1
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	0.11
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			29-Sep-10	<0.1	<0.1
			17-Nov-10	0.42	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			25-May-11	<0.1	0.12
Greenup	341	Cd	25-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	
			26-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			29-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	0.12
			29-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			18-Nov-10	<0.1	<0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	0.17
			11-May-11	<0.1	0.11
Meldahl	436.2	Cd	12-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	0.12
			09-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			28-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	0.11
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			04-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	0.1
			29-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			23-Nov-10	<0.1	<0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	0.22
			11-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	Cd	12-Jul-06	<0.1	<0.1
			11-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	0.44
			27-Mar-07	<0.1	0.12
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	<0.1
			13-May-08	<0.1	<0.1
			17-Jul-08	<0.1	0.1
			23-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			14-Jan-09	<0.1	0.13
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			21-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	0.1
			23-Mar-10	<0.1	0.12
			20-May-10	<0.1	0.12
			13-Jul-10	<0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	0.17
			24-May-11	<0.1	<0.1
Markland	531.5	Cd	13-Jul-06	<0.1	<0.1
			13-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	<0.1
			27-Mar-07	<0.1	0.14
			22-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	0.13
			13-May-08	<0.1	0.12
			21-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			22-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	0.11
			23-Mar-10	<0.1	0.14
			26-May-10	<0.1	<0.1
			14-Jul-10	<0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	0.22
			24-May-11	<0.1	0.11
Louisville	600.6	Cd	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.17
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			26-Nov-07	<0.1	<0.1
			15-Jan-08	<0.1	0.12
			20-Mar-08	<0.1	0.14
			20-May-08	<0.1	<0.1
			14-Jul-08	<0.1	0.18
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	<0.1
			16-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	0.31
			18-May-11	<0.1	0.2
McAlpine	606.8	Cd	20-May-10	<0.1	0.14
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	0.46	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	0.12
			18-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
West Point	625.9	Cd	12-Jul-06	0.11	0.12
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			19-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.23
			22-May-07	0.12	0.17
			25-Jul-07	<0.1	0.12
			18-Sep-07	<0.1	0.1
			26-Nov-07	<0.1	0.15
			15-Jan-08	<0.1	0.17
			20-Mar-08	<0.1	<0.1
			20-May-08	<0.1	0.48
			14-Jul-08	<0.1	0.76
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	0.16
			16-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	0.15
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	0.16
			16-Mar-10	<0.1	0.13
			20-May-10	<0.1	0.28
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	0.12
			17-Nov-10	0.11	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	1	<0.1
			18-May-11	<0.1	<0.1
Cannelton	720.7	Cd	27-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	0.17
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.19
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			18-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			21-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			11-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			30-Mar-11	<0.1	0.1
			24-May-11	<0.1	0.19
Newburgh	776	Cd	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.11
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	0.15
			25-Mar-08	<0.1	
			21-May-08	<0.1	<0.1
			15-Jul-08	<0.1	<0.1
			29-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	0.11
			10-Mar-09	<0.1	<0.1
			20-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	0.12
			11-May-10	<0.1	0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	0.22
			24-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	Cd	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	0.11
			22-Mar-07	<0.1	0.15
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			22-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	0.17
			12-May-10	<0.1	0.15
			14-Jul-10	<0.1	<0.1
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	0.46
			23-May-11	<0.1	0.29
Smithland	918.5	Cd	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	0.11
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	0.11
			22-Jul-08	<0.1	<0.1
			30-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	0.1
			25-Mar-10	<0.1	<0.1
			13-May-10	<0.1	0.16
			15-Jul-10	<0.1	<0.1
			09-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	0.15
			23-May-11	<0.1	0.1
L&D 52	938.9	Cd	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	0.22
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	0.11
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	0.13
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	0.14
			21-Jul-08	<0.1	<0.1
			16-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	0.13
			11-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			12-May-10	<0.1	0.13
			14-Jul-10	<0.1	<0.1
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			16-Mar-11	<0.1	<0.1
			23-May-11	<0.1	0.13

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Cr	13-Jul-06	<0.1	<0.1
			14-Sep-06	0.29	0.45
			01-Nov-06	0.62	2.53
			12-Jan-07	0.67	1.53
			12-Mar-07	0.78	1.47
			07-May-07	0.8	1.43
			10-Jul-07	1.12	1.54
			17-Sep-07	0.75	1.06
			05-Nov-07	0.91	1.94
			08-Jan-08	0.46	1.29
			18-Mar-08	1.02	1.81
			28-May-08	0.3	0.92
			16-Jul-08	1.05	1.57
			24-Sep-08	1.62	2.26
			12-Nov-08	0.52	1.29
			09-Feb-09	1.05	1.34
			16-Mar-09	0.27	1.31
			18-May-09	0.54	1.94
			15-Jul-09	1.18	1.07
			08-Sep-09	0.71	0.45
			16-Nov-09	0.47	0.89
			18-Jan-10	1.15	0.92
			17-Mar-10	0.46	1.61
			12-May-10	1.12	1.15
			20-Jul-10	0.64	1.33
			23-Sep-10	2.42	1.37
			02-Nov-10	0.77	1.55
			18-Jan-11	1.06	1.68
			21-Mar-11	0.34	1.08
			26-May-11	0.52	0.84
Pike Island	84.2	Cr	13-Jul-06	<0.1	0.87
			14-Sep-06	0.15	0.94
			01-Nov-06	0.68	2.94
			12-Jan-07	0.72	2.06
			12-Mar-07	0.89	1.68
			07-May-07	0.77	1.19
			10-Jul-07	1.09	1.67
			17-Sep-07	1.24	0.65
			05-Nov-07	1.59	2.56
			08-Jan-08	0.43	1.3
			18-Mar-08	1.03	2.18
			28-May-08	0.74	1.71
			16-Jul-08	1.54	1.66
			24-Sep-08	1.36	2.57
			12-Nov-08	0.29	1.32
			09-Feb-09	0.94	1.61
			16-Mar-09	0.26	1.5
			18-May-09	0.52	1.23
			15-Jul-09	1.17	1.17
			08-Sep-09	0.75	0.86
			16-Nov-09	0.87	0.92
			18-Jan-10	1.02	1.48
			17-Mar-10	0.63	4.37
			12-May-10	1.03	1.04
			20-Jul-10	0.61	1.23
			23-Sep-10	1.71	1.66
			02-Nov-10	1.18	2.06
			18-Jan-11	0.71	2.06
			21-Mar-11	0.21	1.19
			26-May-11	0.48	0.96
Hannibal	126.4	Cr	18-Jul-06	<0.1	0.76
			06-Sep-06	0.78	0.9
			07-Nov-06	0.23	1.47
			02-Jan-07	1.57	2.19
			13-Mar-07	0.74	1.49
			10-May-07	0.41	1.42
			12-Jul-07	0.76	1.14
			24-Sep-07	0.14	0.49
			28-Nov-07	0.46	2.7
			09-Jan-08	0.45	1.23
			26-Mar-08	0.55	1.22
			15-May-08	0.12	1.65
			17-Jul-08	0.76	1.56
			17-Sep-08	1.95	3.28
			19-Nov-08	0.51	1.12
			10-Feb-09	1.09	1.33
			10-Mar-09	0.24	2.99
			19-May-09	0.57	1.56
			22-Jul-09	1.23	0.89
			15-Sep-09	0.48	0.48
			12-Nov-09	1.39	0.95
			20-Jan-10	0.7	1.39
			18-Mar-10	0.52	1.47
			19-May-10	0.39	1.8
			21-Jul-10	0.46	1.46
			14-Sep-10	1.85	1.43
			08-Nov-10	0.74	1.64
			25-Jan-11	0.77	1.91
			29-Mar-11	<0.1	1.37
			24-May-11	0.69	0.99

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Cr	18-Jul-06	0.27	1.25
			06-Sep-06	0.23	0.75
			07-Nov-06	0.2	1.49
			02-Jan-07	1.77	2.41
			13-Mar-07	0.16	1.54
			10-May-07	0.26	1.3
			12-Jul-07	0.18	1.57
			24-Sep-07	<0.1	0.58
			28-Nov-07	0.59	2.34
			09-Jan-08	0.47	1.93
			26-Mar-08	0.47	1.51
			15-May-08	0.4	1.77
			17-Jul-08	0.93	1.58
			08-Sep-08	1.97	2.88
			19-Nov-08	0.22	1.36
			10-Feb-09	1.12	1.28
			10-Mar-09	R	2.03
			19-May-09	0.41	1.23
			22-Jul-09	1.08	0.98
			15-Sep-09	0.35	0.59
			12-Nov-09	1.12	0.61
			20-Jan-10	1.13	1.43
			18-Mar-10	0.43	2.03
			19-May-10	0.46	1.49
			27-Jul-10	0.3	0.79
			27-Sep-10	1.95	1.35
			08-Nov-10	0.71	1.76
			25-Jan-11	0.75	1.72
			22-Mar-11	0.27	1.43
			24-May-11	0.72	1.15
Belleville	203.9	Cr	12-Jul-06	0.26	0.88
			19-Sep-06	0.41	1.51
			24-Nov-06	<0.1	1.62
			04-Jan-07	1.44	1.94
			15-Mar-07	0.85	1.87
			09-May-07	1.1	2.39
			17-Jul-07	0.95	1.49
			19-Sep-07	0.25	0.73
			08-Nov-07	0.96	2
			07-Jan-08	0.42	1.89
			13-Mar-08	1.29	3.31
			19-May-08	0.43	2.5
			23-Jul-08	0.73	1.47
			08-Sep-08	2.41	2.46
			13-Nov-08	0.3	1.32
			22-Jan-09	0.61	
			09-Mar-09	0.95	1.71
			13-May-09	0.63	1.63
			13-Jul-09	1.82	1.41
			09-Sep-09	0.77	0.87
			09-Nov-09	0.6	0.82
			19-Jan-10	1.5	2.03
			24-Mar-10	0.2	2.16
			13-May-10	1.19	1.39
			22-Jul-10	0.58	1.22
			29-Sep-10	1.83	1.49
			17-Nov-10	1.16	1.63
			02-Feb-11	0.55	2.09
			28-Mar-11	0.13	1.61
			25-May-11	0.9	1.6
R.C. Byrd	279.2	Cr	12-Jul-06	0.2	1.4
			19-Sep-06	<0.1	1.71
			24-Nov-06	<0.1	1.33
			04-Jan-07	1.32	1.85
			15-Mar-07	0.61	1.9
			09-May-07	0.94	2.21
			17-Jul-07	0.76	1.51
			19-Sep-07	<0.1	0.87
			08-Nov-07	0.93	2.29
			07-Jan-08	0.36	1.74
			13-Mar-08	0.93	2.82
			19-May-08	0.35	1.32
			23-Jul-08	0.7	1.85
			17-Sep-08	1.74	2.27
			13-Nov-08	0.31	1.65
			22-Jan-09	0.48	1.46
			09-Mar-09	0.84	1.27
			13-May-09	0.13	1.81
			13-Jul-09	1.91	1.56
			09-Sep-09	0.72	0.65
			09-Nov-09	0.62	1.11
			19-Jan-10	1.26	0.87
			24-Mar-10	0.11	1.33
			13-May-10	0.95	1.56
			22-Jul-10	0.29	1.52
			29-Sep-10	2.03	1.58
			17-Nov-10	0.78	1.63
			02-Feb-11	0.33	2.07
			28-Mar-11	<0.1	1.39
			25-May-11	0.6	0.97

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Cr	25-Jul-06	0.35	0.9
			12-Sep-06	<0.1	1.63
			28-Nov-06	<0.1	1.38
			30-Jan-07	1.96	2.86
			15-Mar-07	0.32	2.01
			09-May-07	0.59	
			26-Jul-07	<0.1	1.37
			13-Sep-07	2.76	2.17
			29-Nov-07	0.25	2
			29-Jan-08	0.36	1
			20-Mar-08	0.74	2.84
			29-May-08	0.23	1.14
			21-Jul-08	0.58	1.54
			25-Sep-08	1.35	2.47
			15-Nov-08	0.54	1.58
			22-Jan-09	0.69	1.68
			09-Mar-09	0.87	1.28
			28-May-09	0.15	1.22
			15-Jul-09	1.47	1.2
			28-Sep-09	1.29	0.89
			09-Nov-09	0.69	0.83
			13-Jan-10	1.42	0.97
			24-Mar-10	0.11	1.56
			19-May-10	0.21	3.54
			29-Jul-10	0.22	1.42
			27-Sep-10	1.92	1.48
			18-Nov-10	0.11	1.63
			10-Jan-11	1.98	2.3
			08-Mar-11	0.4	3.81
			11-May-11	0.83	5.28
Meldahl	436.2	Cr	12-Jul-06	0.16	0.83
			12-Sep-06	<0.1	1.5
			28-Nov-06	<0.1	1.47
			30-Jan-07	1.73	1.82
			15-Mar-07	0.27	1.85
			09-May-07	0.71	2.04
			25-Jul-07	0.19	1.42
			13-Sep-07	2.17	1.11
			29-Nov-07	0.47	1.68
			28-Jan-08	0.4	0.89
			26-Mar-08	0.55	3.19
			29-May-08	0.18	0.99
			21-Jul-08	0.71	1.75
			25-Sep-08	1.23	2.67
			15-Nov-08	0.7	1.13
			22-Jan-09	0.16	1.4
			09-Mar-09	1.12	1.48
			28-May-09	0.19	1.28
			29-Jul-09	0.66	0.98
			28-Sep-09	1.57	1.21
			04-Nov-09	0.69	1.72
			13-Jan-10	1.19	1.32
			24-Mar-10	0.84	2.3
			19-May-10	0.44	2.28
			29-Jul-10	0.19	1.92
			27-Sep-10	2.63	2.91
			23-Nov-10	0.44	1.58
			10-Jan-11	1.2	3.12
			08-Mar-11	0.4	4.34
			11-May-11	1.02	1.41
Anderson Ferry	477.5	Cr	12-Jul-06	0.2	0.97
			11-Sep-06	<0.1	1.53
			09-Nov-06	0.16	1.96
			24-Jan-07	0.29	9.85
			27-Mar-07	0.23	2.57
			08-May-07	0.94	1.95
			24-Jul-07	0.78	1.47
			18-Sep-07	1.07	1.5
			28-Nov-07	0.75	0.97
			09-Jan-08	0.15	1.22
			24-Mar-08	0.65	4.18
			13-May-08	0.74	3.29
			17-Jul-08	1.01	2.04
			23-Sep-08	1.72	3.16
			19-Nov-08	0.56	1.14
			14-Jan-09	0.62	2.46
			09-Mar-09	0.38	0.94
			28-May-09	0.39	1.35
			29-Jul-09	0.88	0.84
			21-Sep-09	0.32	0.82
			03-Nov-09	0.82	1.37
			12-Jan-10	2.62	2.75
			23-Mar-10	1.1	2.68
			20-May-10	0.51	2.42
			13-Jul-10	1.25	1.26
			20-Sep-10	2.76	2.01
			19-Nov-10	0.29	1.58
			18-Jan-11	1.64	1.73
			08-Mar-11	0.28	3.59
			24-May-11	0.8	2.25

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Cr	13-Jul-06	0.14	1.18
			13-Sep-06	<0.1	1.6
			09-Nov-06	0.21	1.62
			24-Jan-07	0.42	2.33
			27-Mar-07	0.26	3
			22-May-07	0.39	1.48
			25-Jul-07	0.17	1.42
			18-Sep-07	0.71	1.08
			28-Nov-07	0.66	0.89
			09-Jan-08	0.54	1.69
			24-Mar-08	0.58	4.94
			13-May-08	0.5	2.66
			21-Jul-08	0.88	2.13
			24-Sep-08	1.5	1.99
			19-Nov-08	0.97	1.76
			02-Feb-09	0.59	2.15
			09-Mar-09	0.87	1.7
			28-May-09	0.36	1.32
			16-Jul-09	1.63	1.21
			22-Sep-09	1.03	0.43
			18-Nov-09	2.04	1
			12-Jan-10	2.68	3.41
			23-Mar-10	0.63	2.28
			26-May-10	0.24	1.54
			14-Jul-10	0.16	1.53
			20-Sep-10	1.49	1.24
			19-Nov-10	0.84	1.58
			18-Jan-11	1.13	2.04
			08-Mar-11	0.5	5.03
			24-May-11	0.76	1.7
Louisville	600.6	Cr	12-Jul-06	0.22	0.94
			20-Sep-06	0.25	1.75
			15-Nov-06	0.15	1.76
			31-Jan-07	2.9	1.85
			22-Mar-07	0.19	6.13
			22-May-07	0.13	2.9
			24-Jul-07	1.34	1.4
			18-Sep-07	0.61	0.99
			26-Nov-07	1.09	2.85
			15-Jan-08	0.45	1.61
			20-Mar-08	0.79	8.08
			20-May-08	0.37	1.93
			14-Jul-08	1.76	4.56
			24-Sep-08	1.59	3.29
			19-Nov-08	0.69	2.25
			22-Jan-09	0.61	1.05
			12-Mar-09	0.64	1.57
			28-May-09	0.58	1.84
			16-Jul-09	1.14	1.41
			23-Sep-09	0.59	0.94
			18-Nov-09	1.34	1
			26-Jan-10	1.48	3.22
			16-Mar-10	1.22	2.91
			20-May-10	0.3	1.95
			22-Jul-10	0.69	1.8
			16-Sep-10	1.16	1.79
			17-Nov-10	0.35	1.79
			26-Jan-11	2.33	2.64
			28-Mar-11	<0.1	5.02
			18-May-11	1.12	5.79
McAlpine	606.8	Cr	20-May-10	0.45	3.13
			22-Jul-10	0.67	1.78
			16-Sep-10	0.76	1.85
			17-Nov-10	1.25	1.74
			26-Jan-11	0.83	2.69
			28-Mar-11	0.21	2.27
			18-May-11	1.21	3.52
West Point	625.9	Cr	12-Jul-06	0.16	1.03
			20-Sep-06	0.55	1.94
			15-Nov-06	0.25	2.17
			19-Jan-07	0.39	2.43
			22-Mar-07	0.16	6.04
			22-May-07	0.31	1.66
			25-Jul-07	1.05	1.65
			18-Sep-07	0.96	1.02
			26-Nov-07	1.16	3.08
			15-Jan-08	0.43	3.39
			20-Mar-08	0.46	6.59
			20-May-08	0.4	16.03
			14-Jul-08	1.51	18
			24-Sep-08	1.78	2.59
			19-Nov-08	0.37	1.75
			22-Jan-09	0.62	2.02
			12-Mar-09	0.58	1.92
			28-May-09	0.35	3.26
			16-Jul-09	1.85	1.73
			09-Sep-09	0.46	0.94
			18-Nov-09	1.98	1.66
			26-Jan-10	1.6	2.71
			16-Mar-10	1.21	4.71
			20-May-10	0.62	5.37
			22-Jul-10	0.3	1.89
			16-Sep-10	1.43	2.63
			17-Nov-10	0.58	1.93
			26-Jan-11	0.91	2.06
			28-Mar-11	<0.1	1.9
			18-May-11	0.79	3.33

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Cr	27-Jul-06	<0.1	1.03
			14-Sep-06	<0.1	1.71
			01-Nov-06	0.83	5.41
			31-Jan-07	1.32	1.81
			22-Mar-07	0.12	7.49
			08-May-07	1.19	2.42
			24-Jul-07	0.29	1.47
			19-Sep-07	0.48	0.69
			27-Nov-07	0.91	0.76
			23-Jan-08	0.36	1.65
			18-Mar-08	0.85	3.48
			21-May-08	0.39	3.26
			23-Jul-08	0.54	0.41
			18-Sep-08	2.89	2.48
			18-Nov-08	0.4	1.29
			03-Feb-09	1.92	2.39
			10-Mar-09	0.77	2.3
			21-May-09	0.47	1.75
			22-Jul-09	0.45	1.46
			23-Sep-09	0.89	0.25
			18-Nov-09	2.07	1.26
			12-Jan-10	1.95	1.69
			24-Mar-10	0.18	2.75
			11-May-10	0.92	2.08
			13-Jul-10	1.61	1.77
			07-Sep-10	1.39	2.18
			02-Nov-10	0.53	2.36
			26-Jan-11	0.6	2.29
			30-Mar-11	<0.1	2.38
			24-May-11	0.64	4.02
Newburgh	776	Cr	12-Jul-06	0.14	1.48
			20-Sep-06	0.16	1.81
			15-Nov-06	0.17	1.95
			31-Jan-07	1.52	2.86
			22-Mar-07	0.22	4.81
			22-May-07	0.38	1.65
			24-Jul-07	0.29	1.62
			19-Sep-07	0.15	0.58
			27-Nov-07	0.89	2.14
			23-Jan-08	0.48	4.35
			25-Mar-08	0.44	
			21-May-08	0.37	3.39
			15-Jul-08	1.82	1.93
			29-Sep-08	1.2	1.99
			18-Nov-08	0.5	1.49
			03-Feb-09	1.38	2.92
			10-Mar-09	0.57	1.72
			20-May-09	0.36	2.61
			22-Jul-09	0.55	1.46
			15-Sep-09	<0.1	0.13
			02-Nov-09	0.53	3.07
			12-Jan-10	2.41	1.77
			24-Mar-10	0.17	1.78
			11-May-10	1.1	2.86
			13-Jul-10	0.7	1.88
			07-Sep-10	1.09	2.26
			02-Nov-10	0.13	1.48
			26-Jan-11	0.79	1.63
			01-Mar-11	0.1	6.34
			24-May-11	1.12	2.11
J.T. Myers	846	Cr	11-Jul-06	0.3	1.12
			19-Sep-06	0.15	1.9
			15-Nov-06	0.22	2.63
			30-Jan-07	1.47	3.55
			22-Mar-07	0.18	4.32
			21-May-07	0.64	1.74
			25-Jul-07	0.13	1.58
			20-Sep-07	0.25	0.64
			28-Nov-07	0.5	1.98
			24-Jan-08	0.44	2.32
			18-Mar-08	0.81	3.32
			21-May-08	0.39	3.64
			22-Jul-08	0.57	1.44
			17-Sep-08	2.75	3.08
			17-Nov-08	0.88	1.37
			02-Feb-09	1.46	4.48
			10-Mar-09	0.24	2.23
			19-May-09	0.35	3.12
			21-Jul-09	0.43	1.52
			15-Sep-09	0.85	1.31
			02-Nov-09	0.58	3.53
			13-Jan-10	1.51	1.48
			25-Mar-10	0.16	2.51
			12-May-10	0.16	2.95
			14-Jul-10	0.69	1.66
			08-Sep-10	0.85	2.44
			03-Nov-10	1.33	2.09
			26-Jan-11	0.56	2.23
			01-Mar-11	1.02	10.15
			23-May-11	1.2	3.97

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Cr	11-Jul-06	0.28	0.92
			19-Sep-06	<0.1	1.63
			14-Nov-06	0.17	2
			30-Jan-07	2.78	3.32
			21-Mar-07	0.33	4.16
			21-May-07	0.61	1.47
			25-Jul-07	0.23	1.59
			20-Sep-07	0.16	0.49
			28-Nov-07	0.28	1.3
			24-Jan-08	0.43	3.18
			17-Mar-08	0.37	3.54
			22-May-08	0.31	4.42
			22-Jul-08	0.26	1.76
			30-Sep-08	1.03	3.29
			17-Nov-08	0.59	1.19
			02-Feb-09	0.77	3.5
			10-Mar-09	0.68	2.57
			19-May-09	0.36	2.79
			21-Jul-09	0.4	0.99
			16-Sep-09	0.74	1.09
			02-Nov-09	0.5	2.96
			13-Jan-10	2.85	2.58
			25-Mar-10	0.22	2.53
			13-May-10	1.36	3.82
			15-Jul-10	1.34	2.11
			09-Sep-10	0.66	2.46
			03-Nov-10	1.5	1.83
			27-Jan-11	0.56	1.84
			29-Mar-11	<0.1	2.81
			23-May-11	1.25	3.17
L&D 52	938.9	Cr	11-Jul-06	0.32	1.59
			19-Sep-06	<0.1	5.86
			14-Nov-06	0.13	2.43
			30-Jan-07	0.94	4.26
			21-Mar-07	0.29	4.44
			21-May-07	0.43	1.49
			25-Jul-07	0.11	1.67
			20-Sep-07	0.16	0.6
			28-Nov-07	0.84	1.87
			24-Jan-08	0.33	4.13
			17-Mar-08	0.95	3.49
			22-May-08	0.37	8.62
			21-Jul-08	0.63	1.79
			16-Sep-08	1.74	2.91
			17-Nov-08	1.65	1.62
			02-Feb-09	1.09	3.76
			11-Mar-09	0.64	4.38
			19-May-09	0.4	3
			21-Jul-09	0.29	1.58
			16-Sep-09	0.92	1.38
			03-Nov-09	0.51	2.37
			12-Jan-10	3.52	2.28
			25-Mar-10	0.19	2.64
			12-May-10	1.19	2.89
			14-Jul-10	1	2.03
			08-Sep-10	0.74	2.02
			03-Nov-10	0.32	2
			27-Jan-11	1.9	1.7
			16-Mar-11	0.73	1.79
			23-May-11	1.35	2.9
New Cumberland	54.4	Cu	13-Jul-06	2.65	2.83
			14-Sep-06	2.44	3.47
			01-Nov-06	1.67	4.7
			12-Jan-07	1.46	2.79
			12-Mar-07	2.54	2.4
			07-May-07	2.65	3.62
			10-Jul-07	5.92	8.37
			17-Sep-07	7.28	8.28
			05-Nov-07	6.93	5.65
			08-Jan-08	1.79	2.51
			18-Mar-08	1.42	2.31
			28-May-08	2.23	3.14
			16-Jul-08	3.43	5.22
			24-Sep-08	6.61	8.72
			12-Nov-08	3.91	4.82
			09-Feb-09	1.44	3.46
			16-Mar-09	1.49	2.59
			18-May-09	2.55	3.47
			15-Jul-09	3.34	4.15
			08-Sep-09	3.97	4.42
			16-Nov-09	2.6	2.5
			18-Jan-10	1.37	1.81
			17-Mar-10	1.11	2.15
			12-May-10	2.59	2.98
			20-Jul-10	5.11	5.77
			23-Sep-10	5.7	7.24
			02-Nov-10	4.78	5.12
			18-Jan-11	1.93	2.43
			21-Mar-11	1.38	2.39
			26-May-11	1.87	2.72

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Cu	13-Jul-06	1.7	2.25
			14-Sep-06	1.69	2.93
			01-Nov-06	2.11	3.9
			12-Jan-07	0.82	2.47
			12-Mar-07	1.04	1.72
			07-May-07	0.96	1.45
			10-Jul-07	2.66	3.03
			17-Sep-07	R	3.3
			05-Nov-07	3.34	3.46
			08-Jan-08	1.42	1.88
			18-Mar-08	0.92	1.93
			28-May-08	1.3	1.68
			16-Jul-08	2.34	3.12
			24-Sep-08	2.99	3.41
			12-Nov-08	R	3.32
			09-Feb-09	1.08	2.99
			16-Mar-09	R	2.14
			18-May-09	1.56	1.85
			15-Jul-09	2.35	2.65
			08-Sep-09	2.32	2.69
			16-Nov-09	1.72	1.85
			18-Jan-10	0.95	2.45
			17-Mar-10	1.01	5.09
			12-May-10	1.61	2.07
			20-Jul-10	R	3.46
			23-Sep-10	3.03	3.83
			02-Nov-10	2.46	3.27
			18-Jan-11	1.25	1.93
			21-Mar-11	1	2.05
			26-May-11	1.44	2.44
Hannibal	126.4	Cu	18-Jul-06	2.39	2.54
			06-Sep-06	1.89	3.29
			07-Nov-06	1.24	2.14
			02-Jan-07	1.05	1.4
			13-Mar-07	1.15	1.73
			10-May-07	1.26	1.6
			12-Jul-07	4.31	3.52
			24-Sep-07	3.95	3.52
			28-Nov-07	2.54	4.85
			09-Jan-08	R	2.08
			26-Mar-08	0.99	2.22
			15-May-08	1.87	2.4
			17-Jul-08	2.39	2.56
			17-Sep-08	3	3.9
			19-Nov-08	2.95	3.4
			10-Feb-09	R	1.94
			10-Mar-09	1.51	4.77
			19-May-09	1.33	1.67
			22-Jul-09	2.5	2.64
			15-Sep-09	2.12	2.62
			12-Nov-09	1.75	1.9
			20-Jan-10	1.21	1.85
			18-Mar-10	0.8	2.53
			19-May-10	1.35	3.2
			21-Jul-10	2.52	3.09
			14-Sep-10	3.22	3.56
			08-Nov-10	3.1	3.3
			25-Jan-11	1.41	1.92
			29-Mar-11	1.02	1.99
			24-May-11	1.76	2.56
Willow Island	161.8	Cu	18-Jul-06	2.19	2.66
			06-Sep-06	2.05	3.2
			07-Nov-06	1.47	2.1
			02-Jan-07	1.05	1.54
			13-Mar-07	1.03	1.91
			10-May-07	1.1	1.38
			12-Jul-07	5.09	3.06
			24-Sep-07	3.76	3.07
			28-Nov-07	2.04	4.82
			09-Jan-08	1.46	3.67
			26-Mar-08	1.26	2.18
			15-May-08	1.06	2.58
			17-Jul-08	2.19	2.19
			08-Sep-08	2.52	2.93
			19-Nov-08	2.47	3.15
			10-Feb-09	1.15	2.31
			10-Mar-09	1.09	3.47
			19-May-09	1.37	1.5
			22-Jul-09	2.35	2.56
			15-Sep-09	1.85	2.36
			12-Nov-09	1.62	1.74
			20-Jan-10	1.23	2.63
			18-Mar-10	1.21	3.22
			19-May-10	1.42	2.86
			27-Jul-10	2.41	2.65
			27-Sep-10	2.15	2.88
			08-Nov-10	2.57	2.92
			25-Jan-11	1.37	1.69
			22-Mar-11	1.08	2.54
			24-May-11	1.69	2.65

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Cu	12-Jul-06	2.07	2.19
			19-Sep-06	1.75	2.74
			24-Nov-06	1.45	2.33
			04-Jan-07	1.23	1.54
			15-Mar-07	1.1	2
			09-May-07	1.6	1.94
			17-Jul-07	2.64	2.61
			19-Sep-07	4.28	2.7
			08-Nov-07	3.74	3.47
			07-Jan-08	1.28	2.03
			13-Mar-08	0.77	3.31
			19-May-08	1.24	3.41
			23-Jul-08	1.68	2.13
			08-Sep-08	2.04	2.39
			13-Nov-08	2.63	2.68
			22-Jan-09	1.59	
			09-Mar-09	1.28	2.31
			13-May-09	1.37	2.46
			13-Jul-09	1.65	2.01
			09-Sep-09	1.86	2.32
			09-Nov-09	5.59	1.92
			19-Jan-10	1.3	3.14
			24-Mar-10	1.53	3.24
			13-May-10	1.35	2.13
			22-Jul-10	1.94	2.4
			29-Sep-10	2.27	2.62
			17-Nov-10	3.13	2.59
			02-Feb-11	1.31	1.76
			28-Mar-11	1.13	2.61
			25-May-11	1.61	3.48
R.C. Byrd	279.2	Cu	12-Jul-06	1.5	2.73
			19-Sep-06	1.83	3.11
			24-Nov-06	1.12	1.83
			04-Jan-07	0.94	1.14
			15-Mar-07	0.96	2.26
			09-May-07	0.88	2.32
			17-Jul-07	1.86	2.7
			19-Sep-07	R	2.82
			08-Nov-07	2.34	3.51
			07-Jan-08	R	2
			13-Mar-08	0.81	2.98
			19-May-08	0.82	1.89
			23-Jul-08	1.97	2.57
			17-Sep-08	1.8	2.66
			13-Nov-08	2.18	2.63
			22-Jan-09	0.9	1.53
			09-Mar-09	1.07	1.51
			13-May-09	1.12	1.54
			13-Jul-09	1.5	2.47
			09-Sep-09	2.39	1.92
			09-Nov-09	1.42	2.05
			19-Jan-10	1.12	2.33
			24-Mar-10	1.27	1.78
			13-May-10	1.17	2.35
			22-Jul-10	2.55	2.32
			29-Sep-10	1.73	2.14
			17-Nov-10	1.67	2.51
			02-Feb-11	1.07	1.95
			28-Mar-11	0.74	1.77
			25-May-11	1.26	2.28
Greenup	341	Cu	25-Jul-06	1.73	2.31
			12-Sep-06	1.91	2.83
			28-Nov-06	1.14	1.55
			30-Jan-07	0.89	1.62
			15-Mar-07	1.05	2.07
			09-May-07	2.7	
			26-Jul-07	2.36	2.93
			13-Sep-07	3.05	2.89
			29-Nov-07	2.27	4.18
			29-Jan-08	1.91	2.13
			20-Mar-08	1.04	3.43
			29-May-08	0.87	1.46
			21-Jul-08	1.56	1.98
			25-Sep-08	1.83	2.49
			15-Nov-08	2.35	3.42
			22-Jan-09	1.06	1.79
			09-Mar-09	0.9	1.4
			28-May-09	1.09	1.94
			15-Jul-09	1.61	2.23
			28-Sep-09	R	2.02
			09-Nov-09	R	1.7
			13-Jan-10	0.78	1.18
			24-Mar-10	1	2.68
			19-May-10	1.17	5.59
			29-Jul-10	1.52	1.99
			27-Sep-10	1.72	1.92
			18-Nov-10	1.72	2.08
			10-Jan-11	1.2	2.11
			08-Mar-11	1.14	5.35
			11-May-11	1.27	8.83

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Cu	12-Jul-06	1.58	2.03
			12-Sep-06	2.3	3.53
			28-Nov-06	1.23	1.93
			30-Jan-07	1.15	1.6
			15-Mar-07	1.12	2.38
			09-May-07	1.13	2.31
			25-Jul-07	2.01	2.27
			13-Sep-07	2.24	2.63
			29-Nov-07	2.17	3.76
			28-Jan-08	1.8	1.93
			26-Mar-08	1.08	4.31
			29-May-08	R	1.51
			21-Jul-08	1.55	1.97
			25-Sep-08	1.83	2.21
			15-Nov-08	2.21	2.77
			22-Jan-09	0.87	1.53
			09-Mar-09	1	1.44
			28-May-09	1.11	1.61
			29-Jul-09	1.8	2.3
			28-Sep-09	1.69	2.34
			04-Nov-09	1.38	2.44
			13-Jan-10	0.98	1.29
			24-Mar-10	1.09	2.92
			19-May-10	2.1	3.56
			29-Jul-10	1.81	3.2
			27-Sep-10	1.75	2.2
			23-Nov-10	1.63	2.09
			10-Jan-11	1.17	3.6
			08-Mar-11	1.36	6.91
			11-May-11	1.38	3.33
Anderson Ferry	477.5	Cu	12-Jul-06	1.88	2.41
			11-Sep-06	1.81	2.88
			09-Nov-06	1.36	2.98
			24-Jan-07	0.97	15.76
			27-Mar-07	1.45	4.26
			08-May-07	1.36	2.32
			24-Jul-07	1.76	2.38
			18-Sep-07	2.93	2.85
			28-Nov-07	1.99	3.41
			09-Jan-08	R	3.84
			24-Mar-08	1.21	5.62
			13-May-08	1.49	4.76
			17-Jul-08	1.97	2.98
			23-Sep-08	1.94	2.43
			19-Nov-08	2.24	2.61
			14-Jan-09	R	3.33
			09-Mar-09	0.79	1.84
			28-May-09	1.31	2.1
			29-Jul-09	1.91	2.63
			21-Sep-09	1.69	2.91
			03-Nov-09	1.67	2.8
			12-Jan-10	1.11	3.51
			23-Mar-10	1.31	3.81
			20-May-10	1.38	3.87
			13-Jul-10	1.93	2.29
			20-Sep-10	1.96	2.46
			19-Nov-10	2.02	2.58
			18-Jan-11	1.4	1.91
			08-Mar-11	1.32	5.67
			24-May-11	1.6	3.89
Markland	531.5	Cu	13-Jul-06	1.98	2.35
			13-Sep-06	1.82	3.6
			09-Nov-06	1.36	2.52
			24-Jan-07	1.01	3.53
			27-Mar-07	1.33	4.62
			22-May-07	2.86	1.68
			25-Jul-07	1.67	2.26
			18-Sep-07	3.19	2.76
			28-Nov-07	2.26	3.54
			09-Jan-08	1.89	2.39
			24-Mar-08	1.48	6.71
			13-May-08	1.49	3.67
			21-Jul-08	1.56	2.06
			24-Sep-08	1.91	2.21
			19-Nov-08	2.36	2.85
			02-Feb-09	R	2.92
			09-Mar-09	0.94	1.95
			28-May-09	1.22	1.79
			16-Jul-09	1.38	1.74
			22-Sep-09	1.5	1.97
			18-Nov-09	1.41	1.94
			12-Jan-10	0.9	3.21
			23-Mar-10	1.27	3.56
			26-May-10	1.57	2.62
			14-Jul-10	1.68	2.55
			20-Sep-10	1.76	2.12
			19-Nov-10	1.94	2.85
			18-Jan-11	1.34	1.79
			08-Mar-11	2.93	7.29
			24-May-11	1.65	3.87

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Cu	12-Jul-06	1.82	2.1
			20-Sep-06	2.08	3.19
			15-Nov-06	1.36	2.21
			31-Jan-07	1.06	1.92
			22-Mar-07	1.26	9.28
			22-May-07	1.16	4.34
			24-Jul-07	2.23	2.3
			18-Sep-07	2.87	2.73
			26-Nov-07	3.44	2.78
			15-Jan-08	2.6	4.91
			20-Mar-08	2.06	7.72
			20-May-08	1.91	2.43
			14-Jul-08	1.85	6.97
			24-Sep-08	2.08	2.32
			19-Nov-08	2.24	3.76
			22-Jan-09	R	1.64
			12-Mar-09	1.06	1.88
			28-May-09	1.34	2.6
			16-Jul-09	1.4	2.25
			23-Sep-09	1.88	1.84
			18-Nov-09	R	1.91
			26-Jan-10	0.95	4.44
			16-Mar-10	1.14	3.14
			20-May-10	1.22	3.28
			22-Jul-10	1.86	2.44
			16-Sep-10	1.87	2.21
			17-Nov-10	2.18	2.43
			26-Jan-11	1.54	3.1
			28-Mar-11	1.03	7.83
			18-May-11	1.5	8.08
McAlpine	606.8	Cu	20-May-10	1.33	4.67
			22-Jul-10	1.85	3.01
			16-Sep-10	1.71	2.06
			17-Nov-10	R	2.3
			26-Jan-11	1.59	2.2
			28-Mar-11	R	3.5
			18-May-11	1.55	5.51
West Point	625.9	Cu	12-Jul-06	1.89	2.62
			20-Sep-06	2.49	3.68
			15-Nov-06	1.55	3.23
			19-Jan-07	1.16	3.57
			22-Mar-07	1.06	9.03
			22-May-07	1.91	3.19
			25-Jul-07	5.1	5.58
			18-Sep-07	4.37	4.64
			26-Nov-07	4.36	3.65
			15-Jan-08	1.54	4.96
			20-Mar-08	2.37	6.8
			20-May-08	1.35	18.58
			14-Jul-08	2.14	20.52
			24-Sep-08	4.18	4.88
			19-Nov-08	2.45	3.35
			22-Jan-09	1.29	3.29
			12-Mar-09	1.21	2.74
			28-May-09	1.77	5.02
			16-Jul-09	1.99	3.06
			09-Sep-09	4.79	4.98
			18-Nov-09	1.99	3.91
			26-Jan-10	1	3.93
			16-Mar-10	1.35	6.81
			20-May-10	1.67	7.35
			22-Jul-10	1.97	3.57
			16-Sep-10	4.95	5.07
			17-Nov-10	2.35	2.68
			26-Jan-11	1.9	2.51
			28-Mar-11	1.22	3.45
			18-May-11	1.45	5.74
Cannelton	720.7	Cu	27-Jul-06	1.75	2.18
			14-Sep-06	1.5	2.51
			01-Nov-06	1.87	8.76
			31-Jan-07	1.37	2.32
			22-Mar-07	1.21	10.88
			08-May-07	1.08	1.77
			24-Jul-07	1.59	1.93
			19-Sep-07	2.64	2.26
			27-Nov-07	2.28	3.63
			23-Jan-08	2.07	2.95
			18-Mar-08	2.12	3.93
			21-May-08	1.42	4.19
			23-Jul-08	1.85	2.07
			18-Sep-08	1.81	0.89
			18-Nov-08	1.86	2.33
			03-Feb-09	1	3.73
			10-Mar-09	1.16	2.79
			21-May-09	1.59	3.01
			22-Jul-09	1.51	2.32
			23-Sep-09	1.55	1.84
			18-Nov-09	R	1.87
			12-Jan-10	0.93	1.48
			24-Mar-10	1.19	4.8
			11-May-10	1.7	2.99
			13-Jul-10	1.8	2.11
			07-Sep-10	1.8	1.96
			02-Nov-10	1.86	2.46
			26-Jan-11	1.39	1.72
			30-Mar-11	1.11	3.73
			24-May-11	1.58	6.51

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Cu	12-Jul-06	1.52	2.42
			20-Sep-06	2.36	2.83
			15-Nov-06	2.11	2.87
			31-Jan-07	1.17	4.09
			22-Mar-07	0.99	6.96
			22-May-07	1.31	2.07
			24-Jul-07	1.79	2.02
			19-Sep-07	2.1	2.34
			27-Nov-07	2.33	3.06
			23-Jan-08	1.6	6.49
			25-Mar-08	1.19	
			21-May-08	1.53	4.55
			15-Jul-08	1.93	2.26
			29-Sep-08	2.22	2.48
			18-Nov-08	2.15	3
			03-Feb-09	1.03	4.63
			10-Mar-09	1.18	2.17
			20-May-09	1.56	3.51
			22-Jul-09	1.63	2.32
			15-Sep-09	1.56	1.87
			02-Nov-09	1.45	4.05
			12-Jan-10	1.1	1.89
			24-Mar-10	1.69	2.85
			11-May-10	1.8	3.98
			13-Jul-10	2.1	2.34
			07-Sep-10	2.07	2.47
			02-Nov-10	1.86	2.52
			26-Jan-11	1.4	1.92
			01-Mar-11	1.56	8.19
			24-May-11	1.61	3.92
J.T. Myers	846	Cu	11-Jul-06	1.72	2.32
			19-Sep-06	2.02	2.79
			15-Nov-06	1.56	5.26
			30-Jan-07	1.63	5.4
			22-Mar-07	1.31	6.31
			21-May-07	1.28	1.91
			25-Jul-07	2.02	2.13
			20-Sep-07	1.97	2.32
			28-Nov-07	2.29	3.79
			24-Jan-08	1.61	3.36
			18-Mar-08	1.95	3.7
			21-May-08	1.8	5.32
			22-Jul-08	1.72	1.99
			17-Sep-08	1.83	2.38
			17-Nov-08	1.54	2.09
			02-Feb-09	0.97	7.04
			10-Mar-09	1.2	2.61
			19-May-09	1.39	4.74
			21-Jul-09	1.51	1.76
			15-Sep-09	1.31	2.06
			02-Nov-09	1.5	4.04
			13-Jan-10	0.83	1.56
			25-Mar-10	1.41	5.35
			12-May-10	1.53	4.3
			14-Jul-10	1.81	2.24
			08-Sep-10	1.55	2.12
			03-Nov-10	1.67	2.92
			26-Jan-11	1.54	1.9
			01-Mar-11	1.57	14.21
			23-May-11	1.57	7.45
Smithland	918.5	Cu	11-Jul-06	1.88	2.11
			19-Sep-06	1.81	2.45
			14-Nov-06	1.66	2.78
			30-Jan-07	1.31	4.05
			21-Mar-07	1.48	5.43
			21-May-07	1.25	1.47
			25-Jul-07	1.71	1.82
			20-Sep-07	1.72	1.92
			28-Nov-07	2.6	2.97
			24-Jan-08	2.51	3.92
			17-Mar-08	2.08	3.49
			22-May-08	1.66	5.88
			22-Jul-08	1.74	2.28
			30-Sep-08	1.86	2.1
			17-Nov-08	1.47	1.7
			02-Feb-09	0.95	5.31
			10-Mar-09	1.27	2.91
			19-May-09	1.79	4.46
			21-Jul-09	1.37	1.54
			16-Sep-09	1.24	1.86
			02-Nov-09	R	3.59
			13-Jan-10	3.47	2.64
			25-Mar-10	1.78	5.02
			13-May-10	1.68	4.57
			15-Jul-10	1.7	2.27
			09-Sep-10	1.51	1.96
			03-Nov-10	1.54	1.89
			27-Jan-11	0.85	1.85
			29-Mar-11	1.52	4.03
			23-May-11	1.7	4.59

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Cu	11-Jul-06	1.87	2.93
			19-Sep-06	1.93	8.19
			14-Nov-06	1.64	3.83
			30-Jan-07	1.35	5.4
			21-Mar-07	1.56	5.72
			21-May-07	1.45	1.68
			25-Jul-07	1.6	1.75
			20-Sep-07	1.73	1.57
			28-Nov-07	2.29	3.46
			24-Jan-08	2.6	5.65
			17-Mar-08	1.57	3.45
			22-May-08	1.65	10.52
			21-Jul-08	1.57	2.12
			16-Sep-08	1.53	2.05
			17-Nov-08	1.3	1.76
			02-Feb-09	1.21	6.23
			11-Mar-09	1.33	4.76
			19-May-09	1.62	3.99
			21-Jul-09	1.33	1.83
			16-Sep-09	1.1	1.52
			03-Nov-09	2.24	4.22
			12-Jan-10	1.16	2.38
			25-Mar-10	1.68	4.35
			12-May-10	1.35	3.89
			14-Jul-10	1.57	2.22
			08-Sep-10	1.36	1.75
			03-Nov-10	1.19	1.56
			27-Jan-11	1.36	1.95
			16-Mar-11	1.84	2.88
			23-May-11	1.59	4.32
New Cumberland	54.4	Fe	13-Jul-06	61.1	60.2
			14-Sep-06	<50	451.5
			01-Nov-06	50.6	1716.4
			12-Jan-07	<50	1059.3
			12-Mar-07	<50	691.8
			07-May-07	<50	394
			10-Jul-07	<50	200.42
			17-Sep-07	<50	123.71
			05-Nov-07	<50	124.69
			08-Jan-08	<50	587.52
			18-Mar-08	<50	809.66
			28-May-08	<50	351.02
			16-Jul-08	<50	383.45
			24-Sep-08	<50	125.79
			12-Nov-08	<50	212.55
			09-Feb-09	<50	1395.06
			16-Mar-09	<50	1252.7
			18-May-09	<50	347.27
			15-Jul-09	<50	215
			08-Sep-09	<50	146.82
			16-Nov-09	<50	205.39
			18-Jan-10	<50	386.4
			17-Mar-10	<50	1259.66
			12-May-10	<50	301.58
			20-Jul-10	<50	151.2
			23-Sep-10	<50	189.16
			02-Nov-10	<50	151.87
			18-Jan-11	<50	398.05
			21-Mar-11	<50	1092.29
			26-May-11	<50	553.91
Pike Island	84.2	Fe	13-Jul-06	<50	316.5
			14-Sep-06	<50	535.5
			01-Nov-06	<50	2338.6
			12-Jan-07	<50	1792.5
			12-Mar-07	<50	797
			07-May-07	<50	336
			10-Jul-07	<50	96.67
			17-Sep-07	<50	82.76
			05-Nov-07	<50	123.88
			08-Jan-08	<50	650.42
			18-Mar-08	<50	935.68
			28-May-08	<50	456.4
			16-Jul-08	<50	259.99
			24-Sep-08	<50	83.03
			12-Nov-08	<50	147.21
			09-Feb-09	<50	1450.72
			16-Mar-09	<50	1431.59
			18-May-09	<50	299.4
			15-Jul-09	<50	181.8
			08-Sep-09	<50	107.67
			16-Nov-09	<50	298.43
			18-Jan-10	<50	1029.16
			17-Mar-10	<50	3296.61
			12-May-10	<50	331.78
			20-Jul-10	<50	157.65
			23-Sep-10	<50	261.91
			02-Nov-10	<50	191.86
			18-Jan-11	<50	526.66
			21-Mar-11	<50	1269.99
			26-May-11	<50	780.55

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	Fe	18-Jul-06	<50	183.4
			06-Sep-06	<50	702.2
			07-Nov-06	61.9	679.8
			02-Jan-07	<50	442.9
			13-Mar-07	<50	721.1
			10-May-07	<50	261
			12-Jul-07	<50	80.53
			24-Sep-07	<50	164.95
			28-Nov-07	<50	1484.6
			09-Jan-08	<50	569.67
			26-Mar-08	<50	1076.97
			15-May-08	<50	847.83
			17-Jul-08	<50	155.31
			17-Sep-08	<50	237.92
			19-Nov-08	<50	225.35
			10-Feb-09	<50	709.99
			10-Mar-09	<50	3334.75
			19-May-09	<50	380.84
			22-Jul-09	<50	168
			15-Sep-09	<50	130.98
			12-Nov-09	<50	349.39
			20-Jan-10	<50	1073.88
			18-Mar-10	<50	1353.32
			19-May-10	<50	1748.4
			21-Jul-10	<50	155.38
			14-Sep-10	<50	150.77
			08-Nov-10	<50	220.74
			25-Jan-11	<50	432.16
			29-Mar-11	<50	940.47
			24-May-11	<50	938.62
Willow Island	161.8	Fe	18-Jul-06	<50	157.7
			06-Sep-06	<50	631.3
			07-Nov-06	50.5	823.6
			02-Jan-07	<50	445.3
			13-Mar-07	<50	954.9
			10-May-07	<50	200
			12-Jul-07	<50	146.54
			24-Sep-07	<50	96.12
			28-Nov-07	<50	1319.76
			09-Jan-08	<50	1289
			26-Mar-08	<50	1244.75
			15-May-08	<50	986.04
			17-Jul-08	<50	147.08
			08-Sep-08	<50	140.13
			19-Nov-08	<50	286.25
			10-Feb-09	<50	1117.04
			10-Mar-09	<50	2067.91
			19-May-09	<50	329.91
			22-Jul-09	<50	232
			15-Sep-09	<50	208.05
			12-Nov-09	<50	255.13
			20-Jan-10	<50	1206.6
			18-Mar-10	<50	1803.63
			19-May-10	<50	1268.19
			27-Jul-10	<50	182.78
			27-Sep-10	<50	211.4
			08-Nov-10	<50	157.79
			25-Jan-11	<50	366.71
			22-Mar-11	<50	1538.75
			24-May-11	<50	1047.45
Belleville	203.9	Fe	12-Jul-06	<50	308.1
			19-Sep-06	58.2	679
			24-Nov-06	57.5	1057.3
			04-Jan-07	<50	437.9
			15-Mar-07	<50	1063.6
			09-May-07	<50	499
			17-Jul-07	<50	55.41
			19-Sep-07	<50	110.8
			08-Nov-07	<50	155.72
			07-Jan-08	<50	574.37
			13-Mar-08	<50	2481.65
			19-May-08	<50	1962.59
			23-Jul-08	<50	201.96
			08-Sep-08	<50	85.74
			13-Nov-08	<50	225.25
			22-Jan-09	<50	
			09-Mar-09	<50	1210.24
			13-May-09	<50	988.84
			13-Jul-09	<50	127.8
			09-Sep-09	<50	174.15
			09-Nov-09	<50	294.28
			19-Jan-10	<50	2190.99
			24-Mar-10	<50	1951.87
			13-May-10	<50	624.92
			22-Jul-10	<50	269.81
			29-Sep-10	<50	338.83
			17-Nov-10	<50	96.71
			02-Feb-11	<50	610.62
			28-Mar-11	<50	1624.35
			25-May-11	<50	1877

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	Fe	12-Jul-06	<50	1042
			19-Sep-06	61.1	1064.4
			24-Nov-06	<50	702.5
			04-Jan-07	52.1	368.3
			15-Mar-07	<50	1408.4
			09-May-07	<50	1206
			17-Jul-07	<50	358.25
			19-Sep-07	<50	325.77
			08-Nov-07	<50	680.77
			07-Jan-08	<50	508.16
			13-Mar-08	<50	1823.12
			19-May-08	<50	958.97
			23-Jul-08	<50	777.23
			17-Sep-08	<50	321.98
			13-Nov-08	<50	532.25
			22-Jan-09	<50	534.39
			09-Mar-09	<50	537.26
			13-May-09	<50	764.35
			13-Jul-09	<50	501
			09-Sep-09	<50	181.13
			09-Nov-09	<50	643.43
			19-Jan-10	<50	883.91
			24-Mar-10	<50	910.34
			13-May-10	<50	1185.92
			22-Jul-10	<50	930.81
			29-Sep-10	<50	303.48
			17-Nov-10	<50	586.88
			02-Feb-11	<50	970.67
			28-Mar-11	<50	1088.36
			25-May-11	<50	972.31
Greenup	341	Fe	25-Jul-06	<50	424.9
			12-Sep-06	<50	523.6
			28-Nov-06	<50	542.4
			30-Jan-07	<50	737
			15-Mar-07	<50	1111.9
			09-May-07	<50	
			26-Jul-07	<50	156.69
			13-Sep-07	<50	197.76
			29-Nov-07	<50	1096.24
			29-Jan-08	<50	548.38
			20-Mar-08	<50	2730.57
			29-May-08	<50	437.52
			21-Jul-08	<50	215.09
			25-Sep-08	<50	318.15
			15-Nov-08	<50	651.18
			22-Jan-09	<50	580.46
			09-Mar-09	<50	551.78
			28-May-09	<50	600.89
			15-Jul-09	<50	534
			28-Sep-09	<50	335.96
			09-Nov-09	<50	439.96
			13-Jan-10	<50	361.8
			24-Mar-10	<50	1513.12
			19-May-10	<50	4374.34
			29-Jul-10	<50	141.66
			27-Sep-10	<50	332.46
			18-Nov-10	<50	189.5
			10-Jan-11	<50	977.05
			08-Mar-11	<50	5315.24
			11-May-11	<50	7575.65
Meldahl	436.2	Fe	12-Jul-06	<50	320.9
			12-Sep-06	52.3	724.4
			28-Nov-06	<50	609
			30-Jan-07	<50	611.2
			15-Mar-07	<50	1182
			09-May-07	<50	952
			25-Jul-07	<50	98.55
			13-Sep-07	<50	172.83
			29-Nov-07	<50	868.59
			28-Jan-08	<50	434.37
			26-Mar-08	<50	3249.47
			29-May-08	<50	336.41
			21-Jul-08	<50	183.83
			25-Sep-08	<50	197.55
			15-Nov-08	<50	374.18
			22-Jan-09	<50	545.87
			09-Mar-09	<50	443.81
			28-May-09	<50	358.56
			29-Jul-09	<50	243
			28-Sep-09	<50	750.37
			04-Nov-09	<50	990.68
			13-Jan-10	<50	295.33
			24-Mar-10	<50	1526.24
			19-May-10	<50	2508.02
			29-Jul-10	<50	1328.23
			27-Sep-10	<50	398.14
			23-Nov-10	<50	291.1
			10-Jan-11	<50	2468.47
			08-Mar-11	<50	5983.9
			11-May-11	<50	1823.24

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	Fe	12-Jul-06	<50	385.4
			11-Sep-06	<50	493.1
			09-Nov-06	59.3	1217
			24-Jan-07	<50	11816.6
			27-Mar-07	<50	2588.2
			08-May-07	<50	984
			24-Jul-07	<50	181.25
			18-Sep-07	<50	187.48
			28-Nov-07	<50	538.28
			09-Jan-08	<50	1065.8
			24-Mar-08	<50	4829.77
			13-May-08	<50	2744.91
			17-Jul-08	<50	813.4
			23-Sep-08	<50	211.77
			19-Nov-08	<50	136.4
			14-Jan-09	<50	2095.43
			09-Mar-09	<50	680.84
			28-May-09	<50	725.53
			29-Jul-09	<50	408
			21-Sep-09	<50	797.37
			03-Nov-09	<50	1621.26
			12-Jan-10	<50	2424.11
			23-Mar-10	<50	2029.93
			20-May-10	<50	2609.54
			13-Jul-10	<50	295.57
			20-Sep-10	<50	298.8
			19-Nov-10	<50	322.59
			18-Jan-11	<50	495.27
			08-Mar-11	<50	5291.97
			24-May-11	<50	2345.33
Markland	531.5	Fe	13-Jul-06	<50	311.4
			13-Sep-06	<50	932.3
			09-Nov-06	67.9	782.4
			24-Jan-07	<50	2264.8
			27-Mar-07	<50	2917.2
			22-May-07	<50	255
			25-Jul-07	<50	77.7
			18-Sep-07	<50	155.6
			28-Nov-07	<50	440
			09-Jan-08	<50	806.48
			24-Mar-08	<50	5535.88
			13-May-08	<50	1765.54
			21-Jul-08	<50	371.7
			24-Sep-08	<50	186.31
			19-Nov-08	<50	558.96
			02-Feb-09	<50	1909.82
			09-Mar-09	<50	949.92
			28-May-09	<50	446.78
			16-Jul-09	<50	219
			22-Sep-09	<50	286.07
			18-Nov-09	<50	489.58
			12-Jan-10	<50	2307.13
			23-Mar-10	<50	1784.18
			26-May-10	<50	1384.45
			14-Jul-10	<50	509.44
			20-Sep-10	<50	265.1
			19-Nov-10	<50	239.99
			18-Jan-11	<50	401.13
			08-Mar-11	<50	6780.37
			24-May-11	<50	2143.33
Louisville	600.6	Fe	12-Jul-06	<50	415.1
			20-Sep-06	<50	900.6
			15-Nov-06	73.3	982.8
			31-Jan-07	<50	974.6
			22-Mar-07	<50	7294.1
			22-May-07	<50	3309
			24-Jul-07	<50	176.47
			18-Sep-07	<50	216.07
			26-Nov-07	<50	196.41
			15-Jan-08	<50	1670.13
			20-Mar-08	<50	8826.89
			20-May-08	<50	1121.65
			14-Jul-08	<50	4840.79
			24-Sep-08	<50	140.17
			19-Nov-08	<50	1577.14
			22-Jan-09	<50	679.82
			12-Mar-09	113.17	1005.62
			28-May-09	<50	1342.13
			16-Jul-09	<50	921
			23-Sep-09	<50	332.32
			18-Nov-09	<50	526.73
			26-Jan-10	<50	3421.9
			16-Mar-10	<50	1843.86
			20-May-10	<50	2379.4
			22-Jul-10	<50	740.58
			16-Sep-10	<50	513.44
			17-Nov-10	<50	264.04
			26-Jan-11	<50	1635.36
			28-Mar-11	<50	6510.15
			18-May-11	<50	7131.81
McAlpine	606.8	Fe	20-May-10	<50	3795.86
			22-Jul-10	<50	1191.49
			16-Sep-10	<50	509.65
			17-Nov-10	<50	148.62
			26-Jan-11	<50	620.16
			28-Mar-11	<50	2582.36
			18-May-11	<50	4608

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
West Point	625.9	Fe	12-Jul-06	<50	544
			20-Sep-06	<50	844.1
			15-Nov-06	67.4	1599.9
			19-Jan-07	<50	2155.4
			22-Mar-07	<50	7028.4
			22-May-07	<50	750
			25-Jul-07	<50	147.3
			18-Sep-07	<50	178.33
			26-Nov-07	<50	453.12
			15-Jan-08	<50	3162.25
			20-Mar-08	<50	7172.52
			20-May-08	<50	19590.9
			14-Jul-08	<50	18721.05
			24-Sep-08	<50	147.92
			19-Nov-08	<50	742.87
			22-Jan-09	<50	1525.44
			12-Mar-09	<50	1586.32
			28-May-09	<50	2464.47
			16-Jul-09	<50	536
			09-Sep-09	<50	438.6
			18-Nov-09	<50	1642.49
			26-Jan-10	<50	3611.28
			16-Mar-10	<50	4755.01
			20-May-10	<50	6864.42
			22-Jul-10	<50	1257.25
			16-Sep-10	<50	255.5
			17-Nov-10	<50	256.53
			26-Jan-11	<50	623.29
			28-Mar-11	<50	2354.83
			18-May-11	<50	4578.92
Cannelton	720.7	Fe	27-Jul-06	<50	390.4
			14-Sep-06	<50	719.6
			01-Nov-06	51.5	5854.5
			31-Jan-07	<50	753.4
			22-Mar-07	<50	9318.9
			08-May-07	<50	602
			24-Jul-07	<50	96.12
			19-Sep-07	<50	176.68
			27-Nov-07	<50	315.06
			23-Jan-08	<50	974.07
			18-Mar-08	<50	3062.48
			21-May-08	<50	2871.92
			23-Jul-08	<50	272.43
			18-Sep-08	<50	304.85
			18-Nov-08	<50	238.47
			03-Feb-09	<50	2706.47
			10-Mar-09	<50	1972.12
			21-May-09	<50	1427.74
			22-Jul-09	<50	397
			23-Sep-09	<50	339.04
			18-Nov-09	<50	496.07
			12-Jan-10	<50	467.92
			24-Mar-10	<50	2710.1
			11-May-10	<50	1951.36
			13-Jul-10	<50	199.72
			07-Sep-10	<50	352.2
			02-Nov-10	<50	321.85
			26-Jan-11	<50	498.01
			30-Mar-11	<50	2683.26
			24-May-11	<50	5034.73
Newburgh	776	Fe	12-Jul-06	<50	914.6
			20-Sep-06	<50	606.4
			15-Nov-06	68.9	1136.9
			31-Jan-07	<50	2886.6
			22-Mar-07	<50	6082.1
			22-May-07	<50	775
			24-Jul-07	<50	67.06
			19-Sep-07	<50	95.2
			27-Nov-07	<50	398.8
			23-Jan-08	<50	4424.78
			25-Mar-08	<50	
			21-May-08	<50	3169.07
			15-Jul-08	<50	183.2
			29-Sep-08	<50	96.28
			18-Nov-08	<50	703.64
			03-Feb-09	<50	3592.23
			10-Mar-09	<50	1196.46
			20-May-09	<50	2007.45
			22-Jul-09	<50	503
			15-Sep-09	<50	154.83
			02-Nov-09	<50	3483.39
			12-Jan-10	<50	710
			24-Mar-10	<50	1835.6
			11-May-10	<50	2921.42
			13-Jul-10	<50	80.31
			07-Sep-10	<50	437.61
			02-Nov-10	<50	263.13
			26-Jan-11	<50	529.62
			01-Mar-11	<50	8876.83
			24-May-11	<50	2126.9

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	Fe	11-Jul-06	<50	723.6
			19-Sep-06	<50	727.8
			15-Nov-06	<50	2287.9
			30-Jan-07	<50	3988.4
			22-Mar-07	<50	4803.4
			21-May-07	<50	591
			25-Jul-07	<50	153.29
			20-Sep-07	<50	223.81
			28-Nov-07	<50	953.85
			24-Jan-08	<50	1854.17
			18-Mar-08	<50	2874.03
			21-May-08	<50	4045.42
			22-Jul-08	<50	121.8
			17-Sep-08	<50	374.93
			17-Nov-08	<50	337.78
			02-Feb-09	<50	5734.2
			10-Mar-09	<50	1854.59
			19-May-09	<50	3473.12
			21-Jul-09	<50	279
			15-Sep-09	<50	358.22
			02-Nov-09	<50	3666.91
			13-Jan-10	<50	625
			25-Mar-10	<50	3224.09
			12-May-10	<50	3643.2
			14-Jul-10	<50	245.32
			08-Sep-10	<50	320.25
			03-Nov-10	<50	183.14
			26-Jan-11	<50	528.64
			01-Mar-11	<50	14326.59
			23-May-11	<50	6408.17
Smithland	918.5	Fe	11-Jul-06	<50	497.3
			19-Sep-06	<50	796
			14-Nov-06	57.4	1222.3
			30-Jan-07	<50	2974.5
			21-Mar-07	<50	4791.8
			21-May-07	<50	175
			25-Jul-07	<50	321
			20-Sep-07	<50	69.51
			28-Nov-07	<50	319.62
			24-Jan-08	<50	2411.07
			17-Mar-08	<50	2431.3
			22-May-08	<50	4803.42
			22-Jul-08	<50	547.42
			30-Sep-08	<50	259.82
			17-Nov-08	<50	174.36
			02-Feb-09	<50	3898.35
			10-Mar-09	<50	2040.54
			19-May-09	<50	3017.03
			21-Jul-09	<50	228
			16-Sep-09	<50	291.47
			02-Nov-09	<50	2408.52
			13-Jan-10	<50	1637.61
			25-Mar-10	<50	2773.14
			13-May-10	<50	3586.76
			15-Jul-10	<50	398.24
			09-Sep-10	<50	631.58
			03-Nov-10	<50	227.75
			27-Jan-11	<50	518.85
			29-Mar-11	<50	2888.86
			23-May-11	<50	3492.84
L&D 52	938.9	Fe	11-Jul-06	<50	1385.3
			19-Sep-06	<50	8445
			14-Nov-06	85.8	2121.6
			30-Jan-07	<50	4521.8
			21-Mar-07	<50	4886.2
			21-May-07	<50	362
			25-Jul-07	<50	360
			20-Sep-07	<50	150.91
			28-Nov-07	<50	1176.11
			24-Jan-08	<50	3805.88
			17-Mar-08	<50	2350.82
			22-May-08	<50	9874.8
			21-Jul-08	<50	436.45
			16-Sep-08	<50	709.36
			17-Nov-08	<50	555.04
			02-Feb-09	<50	4644.04
			11-Mar-09	<50	4105.89
			19-May-09	<50	2338.42
			21-Jul-09	<50	534
			16-Sep-09	<50	201.43
			03-Nov-09	<50	3030.09
			12-Jan-10	<50	1486.36
			25-Mar-10	<50	2407.25
			12-May-10	<50	2677.85
			14-Jul-10	<50	700.34
			08-Sep-10	<50	616.34
			03-Nov-10	<50	389.03
			27-Jan-11	<50	732.86
			16-Mar-11	<50	1680.67
			23-May-11	<50	2867.03

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Hg	13-Jul-06	<1.5	<1.5
			14-Sep-06	<1.5	2.28
			01-Nov-06	<1.5	7.65
			12-Jan-07	<1.5	2.74
			12-Mar-07	<1.5	1.7
			07-May-07	<1.5	<1.5
			10-Jul-07	1.91	2.45
			17-Sep-07	R	5.71
			05-Nov-07	<1.5	1.84
			08-Jan-08	1.54	2.09
			18-Mar-08	<1.5	3.21
			28-May-08	<1.5	<1.5
			16-Jul-08	<1.5	<1.5
			24-Sep-08	<1.5	<1.5
			12-Nov-08	<1.5	2.22
			09-Feb-09	<1.5	6.19
			16-Mar-09	<1.5	3.83
			18-May-09	<1.5	1.86
			15-Jul-09	<1.5	<1.5
			08-Sep-09	<1.5	<1.5
			16-Nov-09	<1.5	1.63
			18-Jan-10	<1.5	1.98
			17-Mar-10	<1.5	5.11
			12-May-10	<1.5	1.82
			20-Jul-10	R	<1.5
			23-Sep-10	<1.5	<1.5
			02-Nov-10	<1.5	<1.5
			18-Jan-11	<1.5	1.74
			21-Mar-11	<1.5	3.15
			26-May-11	<1.5	2.34
Pike Island	84.2	Hg	13-Jul-06	<1.5	2.26
			14-Sep-06	<1.5	4.12
			01-Nov-06	<1.5	9.78
			12-Jan-07	<1.5	5.23
			12-Mar-07	<1.5	2.41
			07-May-07	<1.5	1.67
			10-Jul-07	3.34	5.26
			17-Sep-07	R	4.94
			05-Nov-07	<1.5	<1.5
			08-Jan-08	<1.5	2.18
			18-Mar-08	<1.5	3.27
			28-May-08	<1.5	<1.5
			16-Jul-08	<1.5	<1.5
			24-Sep-08	<1.5	<1.5
			12-Nov-08	<1.5	<1.5
			09-Feb-09	<1.5	7.64
			16-Mar-09	<1.5	4.98
			18-May-09	<1.5	3.45
			15-Jul-09	2.56	2.75
			08-Sep-09	<1.5	1.51
			16-Nov-09	<1.5	<1.5
			18-Jan-10	<1.5	4.75
			17-Mar-10	<1.5	10.04
			12-May-10	<1.5	<1.5
			20-Jul-10	<1.5	9.33
			23-Sep-10	1.54	4.01
			02-Nov-10	<1.5	2.02
			18-Jan-11	<1.5	1.63
			21-Mar-11	<1.5	3.64
			26-May-11	<1.5	3.15
Hannibal	126.4	Hg	18-Jul-06	<1.5	1.97
			06-Sep-06	5.27	7.68
			07-Nov-06	<1.5	2.8
			02-Jan-07	<1.5	1.53
			13-Mar-07	<1.5	2.35
			10-May-07	<1.5	<1.5
			12-Jul-07	<1.5	2.25
			24-Sep-07	2.97	50.82
			28-Nov-07	<1.5	6.26
			09-Jan-08	<1.5	1.98
			26-Mar-08	3.94	3.56
			15-May-08	<1.5	3.45
			17-Jul-08	<1.5	<1.5
			17-Sep-08	<1.5	<1.5
			19-Nov-08	<1.5	<1.5
			10-Feb-09	2.52	4.4
			10-Mar-09	<1.5	2.9
			19-May-09	<1.5	3.33
			22-Jul-09	<1.5	<1.5
			15-Sep-09	<1.5	<1.5
			12-Nov-09	R	2.91
			20-Jan-10	<1.5	4.18
			18-Mar-10	<1.5	5.32
			19-May-10	<1.5	3.65
			21-Jul-10	<1.5	<1.5
			14-Sep-10	<1.5	<1.5
			08-Nov-10	<1.5	1.8
			25-Jan-11	<1.5	1.91
			29-Mar-11	<1.5	3.94
			24-May-11	<1.5	3.02

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Hg	18-Jul-06	<1.5	<1.5
			06-Sep-06	<1.5	4.73
			07-Nov-06	<1.5	2.03
			02-Jan-07	<1.5	2
			13-Mar-07	<1.5	2.95
			10-May-07	<1.5	<1.5
			12-Jul-07	2.31	8.62
			24-Sep-07	1.89	27.09
			28-Nov-07	1.93	9.28
			09-Jan-08	<1.5	5.99
			26-Mar-08	<1.5	4.21
			15-May-08	<1.5	13.1
			17-Jul-08	1.98	<1.5
			08-Sep-08	<1.5	<1.5
			19-Nov-08	<1.5	<1.5
			10-Feb-09	<1.5	5.78
			10-Mar-09	<1.5	5.53
			19-May-09	<1.5	2.12
			22-Jul-09	<1.5	5.77
			15-Sep-09	<1.5	<1.5
			12-Nov-09	1.63	9.38
			20-Jan-10	<1.5	5.95
			18-Mar-10	<1.5	7.33
			19-May-10	<1.5	4.06
			27-Jul-10	<1.5	<1.5
			27-Sep-10	<1.5	<1.5
			08-Nov-10	<1.5	<1.5
			25-Jan-11	<1.5	1.89
			22-Mar-11	<1.5	5.26
			24-May-11	<1.5	3.39
Belleville	203.9	Hg	12-Jul-06	2.63	2.19
			19-Sep-06	<1.5	3.14
			24-Nov-06	1.91	3.7
			04-Jan-07	<1.5	1.97
			15-Mar-07	<1.5	3.29
			09-May-07	<1.5	2.09
			17-Jul-07	3.4	5.62
			19-Sep-07	<1.5	2.24
			08-Nov-07	<1.5	3.19
			07-Jan-08	<1.5	2.79
			13-Mar-08	<1.5	7.7
			19-May-08	<1.5	6.2
			23-Jul-08	2.01	3.08
			08-Sep-08	<1.5	<1.5
			13-Nov-08	<1.5	<1.5
			22-Jan-09	<1.5	
			09-Mar-09	<1.5	10.82
			13-May-09	<1.5	5.43
			13-Jul-09	<1.5	2.61
			09-Sep-09	<1.5	<1.5
			09-Nov-09	<1.5	<1.5
			19-Jan-10	<1.5	6.79
			24-Mar-10	<1.5	7.49
			13-May-10	<1.5	2.22
			22-Jul-10	<1.5	1.73
			29-Sep-10	<1.5	<1.5
			17-Nov-10	<1.5	<1.5
			02-Feb-11	<1.5	1.8
			28-Mar-11	<1.5	7.01
			25-May-11	<1.5	4.3
R.C. Byrd	279.2	Hg	12-Jul-06	<1.5	3.17
			19-Sep-06	<1.5	4.07
			24-Nov-06	2.12	2.72
			04-Jan-07	2.17	1.57
			15-Mar-07	3.18	4.45
			09-May-07	<1.5	3.94
			17-Jul-07	5.4	12.95
			19-Sep-07	<1.5	2.82
			08-Nov-07	<1.5	2.54
			07-Jan-08	<1.5	2.3
			13-Mar-08	<1.5	7.91
			19-May-08	<1.5	3.05
			23-Jul-08	2.04	5.14
			17-Sep-08	<1.5	<1.5
			13-Nov-08	<1.5	<1.5
			22-Jan-09	<1.5	2.12
			09-Mar-09	<1.5	1.61
			13-May-09	<1.5	3.77
			13-Jul-09	<1.5	<1.5
			09-Sep-09	<1.5	<1.5
			09-Nov-09	<1.5	3.68
			19-Jan-10	<1.5	4.4
			24-Mar-10	<1.5	4.08
			13-May-10	<1.5	3.13
			22-Jul-10	<1.5	2.53
			29-Sep-10	<1.5	<1.5
			17-Nov-10	<1.5	2.02
			02-Feb-11	<1.5	3.08
			28-Mar-11	<1.5	4.19
			25-May-11	<1.5	2.55

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Hg	25-Jul-06	2.64	4.18
			12-Sep-06	<1.5	1.51
			28-Nov-06	<1.5	1.86
			30-Jan-07	<1.5	1.61
			15-Mar-07	<1.5	4.85
			09-May-07	<1.5	
			26-Jul-07	3.5	6.96
			13-Sep-07	<1.5	<1.5
			29-Nov-07	<1.5	5.36
			29-Jan-08	<1.5	1.94
			20-Mar-08	<1.5	7.58
			29-May-08	6.44	11.79
			21-Jul-08	<1.5	<1.5
			25-Sep-08	<1.5	2.04
			15-Nov-08	<1.5	1.87
			22-Jan-09	<1.5	2.48
			09-Mar-09	<1.5	1.76
			28-May-09	<1.5	2.92
			15-Jul-09	<1.5	<1.5
			28-Sep-09	<1.5	1.55
			09-Nov-09	<1.5	<1.5
			13-Jan-10	<1.5	<1.5
			24-Mar-10	<1.5	6.52
			19-May-10	<1.5	11.64
			29-Jul-10	<1.5	<1.5
			27-Sep-10	<1.5	<1.5
			18-Nov-10	<1.5	<1.5
			10-Jan-11	<1.5	3.45
			08-Mar-11	<1.5	13.38
			11-May-11	<1.5	16.51
Meldahl	436.2	Hg	12-Jul-06	<1.5	1.59
			12-Sep-06	<1.5	2.28
			28-Nov-06	<1.5	2.24
			30-Jan-07	<1.5	3.75
			15-Mar-07	<1.5	5.92
			09-May-07	<1.5	3.46
			25-Jul-07	<1.5	1.6
			13-Sep-07	<1.5	<1.5
			29-Nov-07	2.66	3.5
			28-Jan-08	<1.5	1.83
			26-Mar-08	<1.5	7.19
			29-May-08	4.87	9.18
			21-Jul-08	<1.5	<1.5
			25-Sep-08	<1.5	<1.5
			15-Nov-08	<1.5	<1.5
			22-Jan-09	<1.5	2.67
			09-Mar-09	<1.5	<1.5
			28-May-09	2.01	1.87
			29-Jul-09	<1.5	<1.5
			28-Sep-09	<1.5	2.93
			04-Nov-09	<1.5	1.7
			13-Jan-10	<1.5	1.57
			24-Mar-10	<1.5	5.14
			19-May-10	<1.5	
			29-Jul-10	<1.5	4.53
			27-Sep-10	<1.5	<1.5
			23-Nov-10	<1.5	<1.5
			10-Jan-11	<1.5	7.27
			08-Mar-11	<1.5	17.6
			11-May-11	1.82	5.28
Anderson Ferry	477.5	Hg	12-Jul-06	<1.5	1.6
			11-Sep-06	<1.5	<1.5
			09-Nov-06	<1.5	12.99
			24-Jan-07	<1.5	33.89
			27-Mar-07	<1.5	10.07
			08-May-07	<1.5	3.07
			24-Jul-07	2.3	2.78
			18-Sep-07	R	3.43
			28-Nov-07	<1.5	2.5
			09-Jan-08	<1.5	6.21
			24-Mar-08	<1.5	13.89
			13-May-08	<1.5	8.36
			17-Jul-08	<1.5	2.5
			23-Sep-08	<1.5	<1.5
			19-Nov-08	<1.5	13.04
			14-Jan-09	2.15	8.83
			09-Mar-09	<1.5	1.98
			28-May-09	<1.5	3.25
			29-Jul-09	<1.5	2.76
			21-Sep-09	<1.5	6.93
			03-Nov-09	<1.5	3.51
			12-Jan-10	<1.5	8.48
			23-Mar-10	<1.5	8.52
			20-May-10	<1.5	6.4
			13-Jul-10	<1.5	<1.5
			20-Sep-10		<1.5
			19-Nov-10	<1.5	<1.5
			18-Jan-11	<1.5	<1.5
			08-Mar-11	<1.5	13.42
			24-May-11	5.39	6.05

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Hg	13-Jul-06	<1.5	<1.5
			13-Sep-06	<1.5	2.96
			09-Nov-06	2.45	3.21
			24-Jan-07	<1.5	6.89
			27-Mar-07	1.85	8.55
			22-May-07	<1.5	5.11
			25-Jul-07	<1.5	<1.5
			18-Sep-07	<1.5	4.69
			28-Nov-07	<1.5	1.89
			09-Jan-08	2.51	3.76
			24-Mar-08	<1.5	15.37
			13-May-08	<1.5	8.85
			21-Jul-08	<1.5	2.24
			24-Sep-08	<1.5	<1.5
			19-Nov-08	R	2.58
			02-Feb-09	2.12	6.64
			09-Mar-09	<1.5	1.95
			28-May-09	<1.5	1.75
			16-Jul-09	<1.5	<1.5
			22-Sep-09	<1.5	<1.5
			18-Nov-09	1.56	1.93
			12-Jan-10	<1.5	7.77
			23-Mar-10	<1.5	6.56
			26-May-10	<1.5	4.23
			14-Jul-10	<1.5	<1.5
			20-Sep-10	<1.5	<1.5
			19-Nov-10	<1.5	<1.5
			18-Jan-11	<1.5	1.5
			08-Mar-11	<1.5	19.37
			24-May-11	<1.5	5.96
Louisville	600.6	Hg	12-Jul-06	<1.5	<1.5
			20-Sep-06	<1.5	2.61
			15-Nov-06	<1.5	3.7
			31-Jan-07	<1.5	3.48
			22-Mar-07	<1.5	28.5
			22-May-07	<1.5	9.83
			24-Jul-07	<1.5	<1.5
			18-Sep-07	<1.5	<1.5
			26-Nov-07	<1.5	6.12
			15-Jan-08	<1.5	5.79
			20-Mar-08	2.42	21.46
			20-May-08	<1.5	5.12
			14-Jul-08	<1.5	7.46
			24-Sep-08	<1.5	<1.5
			19-Nov-08	<1.5	6.63
			22-Jan-09	<1.5	3.7
			12-Mar-09	1.52	4.72
			28-May-09	<1.5	3.78
			16-Jul-09	<1.5	4.78
			23-Sep-09	1.77	2.59
			18-Nov-09	<1.5	2.01
			26-Jan-10	<1.5	13.27
			16-Mar-10	<1.5	5.54
			20-May-10	<1.5	5.57
			22-Jul-10	<1.5	1.77
			16-Sep-10	<1.5	<1.5
			17-Nov-10	<1.5	<1.5
			26-Jan-11	<1.5	5.88
			28-Mar-11	<1.5	20.61
			18-May-11	<1.5	18.59
McAlpine	606.8	Hg	20-May-10	<1.5	9.89
			22-Jul-10	<1.5	3.07
			16-Sep-10	<1.5	<1.5
			17-Nov-10	<1.5	<1.5
			26-Jan-11	<1.5	4.53
			28-Mar-11	1.59	8.54
			18-May-11	<1.5	9.1
West Point	625.9	Hg	12-Jul-06	2.63	28.22
			20-Sep-06	2.38	22.14
			15-Nov-06	1.55	3.65
			19-Jan-07	<1.5	8.19
			22-Mar-07	<1.5	25.62
			22-May-07	4.67	59.24
			25-Jul-07	9.23	26.88
			18-Sep-07	5.49	59.23
			26-Nov-07	2.73	30.15
			15-Jan-08	2.44	19.43
			20-Mar-08	<1.5	21.26
			20-May-08	<1.5	71.14
			14-Jul-08	<1.5	R
			24-Sep-08	6.62	34.66
			19-Nov-08	4.1	30.93
			22-Jan-09	5.07	19.62
			12-Mar-09	<1.5	14
			28-May-09	1.96	30.01
			16-Jul-09	3.54	32.68
			09-Sep-09	5.72	58.54
			18-Nov-09	3	20.64
			26-Jan-10	1.95	14.68
			16-Mar-10	<1.5	21.62
			20-May-10	<1.5	24.51
			22-Jul-10	<1.5	7.81
			16-Sep-10	9.04	42.41
			17-Nov-10	<1.5	5.67
			26-Jan-11	4.11	18
			28-Mar-11	<1.5	7.26
			18-May-11	1.86	10.76

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Hg	27-Jul-06	<1.5	10.01
			14-Sep-06	<1.5	2.33
			01-Nov-06	<1.5	15.92
			31-Jan-07	<1.5	5.53
			22-Mar-07	<1.5	26.39
			08-May-07	<1.5	2.21
			24-Jul-07	<1.5	<1.5
			19-Sep-07	<1.5	1.67
			27-Nov-07	<1.5	1.61
			23-Jan-08	<1.5	4.24
			18-Mar-08	<1.5	10.68
			21-May-08	R	29.46
			23-Jul-08	R	<1.5
			18-Sep-08	1.87	2.95
			18-Nov-08	<1.5	<1.5
			03-Feb-09	<1.5	7.78
			10-Mar-09	<1.5	5.58
			21-May-09	<1.5	9.65
			22-Jul-09	<1.5	2.04
			23-Sep-09	<1.5	1.77
			18-Nov-09	<1.5	2.8
			12-Jan-10	<1.5	2.43
			24-Mar-10	<1.5	11.58
			11-May-10	<1.5	3.57
			13-Jul-10	<1.5	<1.5
			07-Sep-10	<1.5	<1.5
			02-Nov-10	<1.5	<1.5
			26-Jan-11	<1.5	2.84
			30-Mar-11	<1.5	7.55
			24-May-11	<1.5	11.8
Newburgh	776	Hg	12-Jul-06	<1.5	3.15
			20-Sep-06	<1.5	2.18
			15-Nov-06	<1.5	5.76
			31-Jan-07	1.74	9.18
			22-Mar-07	2.42	15.71
			22-May-07	<1.5	3.28
			24-Jul-07	<1.5	1.58
			19-Sep-07	<1.5	<1.5
			27-Nov-07	<1.5	4.36
			23-Jan-08	1.8	17.71
			25-Mar-08	R	
			21-May-08	R	24.68
			15-Jul-08	12.87	17.13
			29-Sep-08	R	7.39
			18-Nov-08	1.84	3.8
			03-Feb-09	<1.5	13.69
			10-Mar-09	<1.5	3.72
			20-May-09	<1.5	5.69
			22-Jul-09	<1.5	2.5
			15-Sep-09	<1.5	1.65
			02-Nov-09	<1.5	8.39
			12-Jan-10	<1.5	3.48
			24-Mar-10	<1.5	13.1
			11-May-10	<1.5	6.3
			13-Jul-10	<1.5	<1.5
			07-Sep-10	<1.5	<1.5
			02-Nov-10	<1.5	<1.5
			26-Jan-11	<1.5	3.42
			01-Mar-11	<1.5	17.82
			24-May-11	<1.5	6.09
J.T. Myers	846	Hg	11-Jul-06	<1.5	3.56
			19-Sep-06	<1.5	2.8
			15-Nov-06	4.75	9.5
			30-Jan-07	<1.5	15.76
			22-Mar-07	<1.5	15.23
			21-May-07	<1.5	2.4
			25-Jul-07	1.53	1.98
			20-Sep-07	<1.5	<1.5
			28-Nov-07	<1.5	4.49
			24-Jan-08	<1.5	7.72
			18-Mar-08	<1.5	9.11
			21-May-08	R	29.03
			22-Jul-08	R	2.4
			17-Sep-08	<1.5	<1.5
			17-Nov-08	<1.5	<1.5
			02-Feb-09	<1.5	43.76
			10-Mar-09	<1.5	4.52
			19-May-09	<1.5	9.33
			21-Jul-09	<1.5	<1.5
			15-Sep-09	<1.5	2.43
			02-Nov-09	1.56	8.89
			13-Jan-10	<1.5	2.9
			25-Mar-10	<1.5	13.41
			12-May-10	<1.5	9.15
			14-Jul-10	<1.5	<1.5
			08-Sep-10	<1.5	3.11
			03-Nov-10	<1.5	<1.5
			26-Jan-11	<1.5	2.33
			01-Mar-11	<1.5	40.64
			23-May-11	2.74	17.39

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Hg	11-Jul-06	<1.5	<1.5
			19-Sep-06	<1.5	2.21
			14-Nov-06	<1.5	4.07
			30-Jan-07	2.62	9.07
			21-Mar-07	2.37	24.44
			21-May-07	<1.5	<1.5
			25-Jul-07	3.25	33.87
			20-Sep-07	<1.5	<1.5
			28-Nov-07	1.71	2.26
			24-Jan-08	<1.5	8.61
			17-Mar-08	<1.5	7.27
			22-May-08	R	29.69
			22-Jul-08	R	4.06
			30-Sep-08	R	9.84
			17-Nov-08	<1.5	<1.5
			02-Feb-09	<1.5	15.67
			10-Mar-09	<1.5	5.07
			19-May-09	<1.5	11.48
			21-Jul-09	<1.5	<1.5
			16-Sep-09	<1.5	<1.5
			02-Nov-09	<1.5	5.47
			13-Jan-10	<1.5	4.3
			25-Mar-10	<1.5	10.3
			13-May-10	<1.5	8.99
			15-Jul-10	<1.5	<1.5
			09-Sep-10	<1.5	<1.5
			03-Nov-10	<1.5	<1.5
			27-Jan-11	<1.5	
			29-Mar-11	<1.5	8.53
			23-May-11	2.82	7.85
L&D 52	938.9	Hg	11-Jul-06	<1.5	4.48
			19-Sep-06	<1.5	18.43
			14-Nov-06	<1.5	7.96
			30-Jan-07	<1.5	12.96
			21-Mar-07	<1.5	3.13
			21-May-07	<1.5	1.66
			25-Jul-07	<1.5	1.59
			20-Sep-07	<1.5	<1.5
			28-Nov-07	2.27	3.94
			24-Jan-08	1.75	15.3
			17-Mar-08	<1.5	8.36
			22-May-08	R	36
			21-Jul-08	R	14
			16-Sep-08	<1.5	<1.5
			17-Nov-08	R	15.73
			02-Feb-09	1.87	25.38
			11-Mar-09	<1.5	13.1
			19-May-09	<1.5	10.59
			21-Jul-09	<1.5	<1.5
			16-Sep-09	<1.5	3.63
			03-Nov-09	<1.5	7.38
			12-Jan-10	<1.5	4.4
			25-Mar-10	<1.5	8.69
			12-May-10	<1.5	6.27
			14-Jul-10	<1.5	1.62
			08-Sep-10	<1.5	3.25
			03-Nov-10	<1.5	<1.5
			27-Jan-11	<1.5	2.61
			16-Mar-11	1.85	5.52
			23-May-11	<1.5	7.83
New Cumberland	54.4	Mg	13-Jul-06	8.18	8.29
			14-Sep-06	6.77	6.45
			01-Nov-06	4.87	5.39
			12-Jan-07	5.18	5.29
			12-Mar-07	6.39	6.69
			07-May-07	6.19	6.31
			10-Jul-07	11.07	11.27
			17-Sep-07	9.41	9.85
			05-Nov-07	9.3	9.82
			08-Jan-08	6.27	6.73
			18-Mar-08	6.45	7.07
			28-May-08	7.36	7.38
			16-Jul-08	8.13	8.47
			24-Sep-08	9.79	10.64
			12-Nov-08	9.94	10.28
			09-Feb-09	8.72	8.95
			16-Mar-09	4.4	4.59
			18-May-09	6.19	6.82
			15-Jul-09	7.4	7.63
			08-Sep-09	6.84	7.07
			16-Nov-09	6.31	6.72
			18-Jan-10	9.19	9.39
			17-Mar-10	5.02	5.28
			12-May-10	7.98	7.72
			20-Jul-10	9.96	12.17
			23-Sep-10	11.29	11.48
			02-Nov-10	10.14	10.26
			18-Jan-11	6.1	6.76
			21-Mar-11	6.11	6.46
			26-May-11	7.57	7.54

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Mg	13-Jul-06	8.45	8.34
			14-Sep-06	6.1	6.33
			01-Nov-06	4.58	5.22
			12-Jan-07	5.16	5.2
			12-Mar-07	6.38	6.66
			07-May-07	5.8	6.38
			10-Jul-07	11.5	11.99
			17-Sep-07	9.55	9.75
			05-Nov-07	10.45	10.51
			08-Jan-08	6.07	6.4
			18-Mar-08	6.49	7.11
			28-May-08	6.87	6.91
			16-Jul-08	10.49	11.06
			24-Sep-08	11.11	11.71
			12-Nov-08	10.35	11.06
			09-Feb-09	8.94	9.24
			16-Mar-09	4.21	4.52
			18-May-09	6.2	6.63
			15-Jul-09	7.55	7.85
			08-Sep-09	8.03	8.53
			16-Nov-09	6.13	6.84
			18-Jan-10	8.96	8.01
			17-Mar-10	5.19	10.21
			12-May-10	7.78	8.56
			20-Jul-10	11.41	14.08
			23-Sep-10	11.75	12.31
			02-Nov-10	10.94	10.94
			18-Jan-11	5.92	6.6
			21-Mar-11	5.96	6.54
			26-May-11	6.81	7.03
Hannibal	126.4	Mg	18-Jul-06	7.43	8.42
			06-Sep-06	8.79	8.66
			07-Nov-06	5.21	5.85
			02-Jan-07	7.42	7.48
			13-Mar-07	7.18	7.19
			10-May-07	6.05	7.09
			12-Jul-07	12.36	12.92
			24-Sep-07	9.32	10.05
			28-Nov-07	8.79	9.07
			09-Jan-08	6.43	6.6
			26-Mar-08	6.52	7.15
			15-May-08	7.78	7.73
			17-Jul-08	8.52	10.29
			17-Sep-08	11.24	11.85
			19-Nov-08	11.51	10.97
			10-Feb-09	9.05	9.39
			10-Mar-09	6.43	7.21
			19-May-09	6.97	7.29
			22-Jul-09	8.35	8.17
			15-Sep-09	8.35	8.7
			12-Nov-09	7.44	7.57
			20-Jan-10	9.44	8.65
			18-Mar-10	4.86	5.41
			19-May-10	6.51	7.61
			21-Jul-10	12.27	11.61
			14-Sep-10	11.87	11.86
			08-Nov-10	11.23	11.17
			25-Jan-11	6.29	7.57
			29-Mar-11	7.07	7.03
			24-May-11	7.31	7.69
Willow Island	161.8	Mg	18-Jul-06	7.95	8.33
			06-Sep-06	9.61	9.57
			07-Nov-06	5.16	5.66
			02-Jan-07	8.1	8.7
			13-Mar-07	7.04	7.19
			10-May-07	6.88	7.22
			12-Jul-07	14.17	14.29
			24-Sep-07	10.68	11.09
			28-Nov-07	8.31	8.6
			09-Jan-08	6.29	6.63
			26-Mar-08	6.36	6.79
			15-May-08	6.49	8.04
			17-Jul-08	11.29	11.35
			08-Sep-08	9.77	10.02
			19-Nov-08	11.96	11.79
			10-Feb-09	9.37	9.53
			10-Mar-09	7.01	7.29
			19-May-09	6.64	6.67
			22-Jul-09	8.37	8.67
			15-Sep-09	6.95	7.03
			12-Nov-09	7.26	7.04
			20-Jan-10	9.13	9.25
			18-Mar-10	5.31	5.47
			19-May-10	5.86	7.29
			27-Jul-10	12.37	13.9
			27-Sep-10	12.55	13.49
			08-Nov-10	11.22	11.95
			25-Jan-11	5.81	7.29
			22-Mar-11	6.26	6.64
			24-May-11	7.44	7.67

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Mg	12-Jul-06	9.73	9.95
			19-Sep-06	8.19	8.41
			24-Nov-06	6.55	7.12
			04-Jan-07	8.76	9.88
			15-Mar-07	9.28	9.62
			09-May-07	9.3	9.28
			17-Jul-07	13.22	15.39
			19-Sep-07	10.06	10.32
			08-Nov-07	12.59	12.57
			07-Jan-08	6.59	6.88
			13-Mar-08	7.65	8.46
			19-May-08	9	9.65
			23-Jul-08	12.88	13.03
			08-Sep-08	12.36	12.65
			13-Nov-08	14.42	14.18
			22-Jan-09	8.13	
			09-Mar-09	7.79	8.67
			13-May-09	7.47	8.03
			13-Jul-09	9.82	9.92
			09-Sep-09	8.23	8.68
			09-Nov-09	10.05	10.94
			19-Jan-10	9.54	9.96
			24-Mar-10	7.03	7.75
			13-May-10	11.45	11.86
			22-Jul-10	11.24	12.28
			29-Sep-10	13.69	14.96
			17-Nov-10	12.84	12.92
			02-Feb-11	9.32	10.04
			28-Mar-11	9.23	9.5
			25-May-11	8.4	10.61
R.C. Byrd	279.2	Mg	12-Jul-06	7.4	6.42
			19-Sep-06	7.45	7.57
			24-Nov-06	5.58	6.19
			04-Jan-07	6.39	6.98
			15-Mar-07	6.95	7.22
			09-May-07	7.67	8.7
			17-Jul-07	12.94	12.99
			19-Sep-07	9.29	9.58
			08-Nov-07	13.36	13.29
			07-Jan-08	7.39	7.89
			13-Mar-08	5.61	6.27
			19-May-08	6.08	6.29
			23-Jul-08	10.94	11.14
			17-Sep-08	10.89	13.2
			13-Nov-08	11.47	12.72
			22-Jan-09	6.76	7.03
			09-Mar-09	7.45	7.88
			13-May-09	4.56	4.65
			13-Jul-09	10.17	9.46
			09-Sep-09	9.48	9.82
			09-Nov-09	10.43	10.49
			19-Jan-10	8.23	9.56
			24-Mar-10	5.46	6.19
			13-May-10	9.71	10.61
			22-Jul-10	11.69	12.87
			29-Sep-10	12.82	13.34
			17-Nov-10	13.04	13.57
			02-Feb-11	7.58	7.68
			28-Mar-11	6.68	6.94
			25-May-11	6.5	7.75
Greenup	341	Mg	25-Jul-06	9.12	9.44
			12-Sep-06	9.86	10.25
			28-Nov-06	6.73	7.28
			30-Jan-07	8.08	9.2
			15-Mar-07	8.88	8.99
			09-May-07	7.19	
			26-Jul-07	12.72	13.52
			13-Sep-07	10.61	10.86
			29-Nov-07	10.25	10.89
			29-Jan-08	8.99	8.43
			20-Mar-08	7.66	8.5
			29-May-08	8.22	8.26
			21-Jul-08	9.92	10.23
			25-Sep-08	13.17	14.11
			15-Nov-08	12.55	12.88
			22-Jan-09	8.26	8.54
			09-Mar-09	8.56	9.34
			28-May-09	7.59	9.12
			15-Jul-09	10.94	11.22
			28-Sep-09	11.86	12.28
			09-Nov-09	9.58	11.48
			13-Jan-10	9.08	10.28
			24-Mar-10	6.38	7.18
			19-May-10	8.97	10.24
			29-Jul-10	9.72	9.42
			27-Sep-10	15.26	14.74
			18-Nov-10	14.76	15
			10-Jan-11	9.16	9.4
			08-Mar-11	7.33	7.8
			11-May-11	9.24	10.46

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Mg	12-Jul-06	8.94	10.73
			12-Sep-06	9.3	9.52
			28-Nov-06	7.46	9.02
			30-Jan-07	7.81	9.5
			15-Mar-07	8.34	9.02
			09-May-07	7.5	9.77
			25-Jul-07	13.42	14.69
			13-Sep-07	10.96	12.52
			29-Nov-07	11.23	11.94
			28-Jan-08	8.16	8.74
			26-Mar-08	8.02	8.93
			29-May-08	8.76	8.66
			21-Jul-08	10.08	11.32
			25-Sep-08	14.35	14.21
			15-Nov-08	14.45	14.55
			22-Jan-09	7.54	8.05
			09-Mar-09	9.58	9.68
			28-May-09	8.15	9.62
			29-Jul-09	11.25	12.44
			28-Sep-09	11.36	11.85
			04-Nov-09	12.85	13.64
			13-Jan-10	9.04	11.05
			24-Mar-10	7.99	8.33
			19-May-10	7.45	10.21
			29-Jul-10	8.91	10.11
			27-Sep-10	15.6	16.5
			23-Nov-10	14.86	15.28
			10-Jan-11	8.37	9.23
			08-Mar-11	6.95	7.78
			11-May-11	10.69	10.87
Anderson Ferry	477.5	Mg	12-Jul-06	9.65	10.78
			11-Sep-06	9.42	10.52
			09-Nov-06	7.25	9.21
			24-Jan-07	7.3	9.39
			27-Mar-07	8.29	8.45
			08-May-07	9.79	9.96
			24-Jul-07	13.91	14.74
			18-Sep-07	12.64	13.08
			28-Nov-07	11.2	11.75
			09-Jan-08	8.94	8.95
			24-Mar-08	7.03	8.39
			13-May-08	11.12	11.52
			17-Jul-08	10.76	10.7
			23-Sep-08	14.93	14.72
			19-Nov-08	13.67	13.8
			14-Jan-09	7.15	7.37
			09-Mar-09	8.91	9.85
			28-May-09	9.54	9.65
			29-Jul-09	11.58	11.83
			21-Sep-09	13.4	13.91
			03-Nov-09	13.33	13.72
			12-Jan-10	10.92	12.19
			23-Mar-10	7.64	8.45
			20-May-10	9.24	10.37
			13-Jul-10	12.33	13.74
			20-Sep-10	14.93	13.63
			19-Nov-10	16.15	16.39
			18-Jan-11	10.04	10.3
			08-Mar-11	8.05	8.83
			24-May-11	9.14	9.63
Markland	531.5	Mg	13-Jul-06	10.27	11.46
			13-Sep-06	9.13	10.52
			09-Nov-06	R	R
			24-Jan-07	7.36	15.86
			27-Mar-07	8.28	8.93
			22-May-07	9.53	11.88
			25-Jul-07	12.09	15.2
			18-Sep-07	13.72	14.24
			28-Nov-07	12	13.02
			09-Jan-08	9.42	10.03
			24-Mar-08	7.44	8.64
			13-May-08	11.29	12.22
			21-Jul-08	10.81	10.72
			24-Sep-08	14.52	14.56
			19-Nov-08	17.07	16.72
			02-Feb-09	8.41	8.82
			09-Mar-09	9.15	9.98
			28-May-09	9.48	10.45
			16-Jul-09	11.67	12.29
			22-Sep-09	12.79	13.48
			18-Nov-09	11.79	11.52
			12-Jan-10	11.02	11.96
			23-Mar-10	7.79	8.74
			26-May-10	8.85	9.28
			14-Jul-10	12.61	15.06
			20-Sep-10	15.8	16.16
			19-Nov-10	16.4	16.49
			18-Jan-11	8.49	10.26
			08-Mar-11	8.11	9.94
			24-May-11	10	10.79

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Mg	12-Jul-06	10.48	11.12
			20-Sep-06	10.93	10.76
			15-Nov-06	9.56	10.8
			31-Jan-07	9.25	10.74
			22-Mar-07	8.35	9.52
			22-May-07	11.9	11.57
			24-Jul-07	15.65	15.61
			18-Sep-07	14.87	14.95
			26-Nov-07	14.71	14.81
			15-Jan-08	8.86	9.46
			20-Mar-08	6.01	9.64
			20-May-08	9.54	9.72
			14-Jul-08	11.51	12.83
			24-Sep-08	15.35	15.19
			19-Nov-08	15.89	15.5
			22-Jan-09	8.48	8.51
			12-Mar-09	10.22	10.71
			28-May-09	10.14	11.22
			16-Jul-09	10.77	10.84
			23-Sep-09	12.05	12.55
			18-Nov-09	14.77	14.72
			26-Jan-10	9.64	10.19
			16-Mar-10	10.92	12.08
			20-May-10	9.03	11.21
			22-Jul-10	14.83	15.51
			16-Sep-10	13.83	13.83
			17-Nov-10	16.7	17.35
			26-Jan-11	10.39	11.73
			28-Mar-11	14.84	16.02
			18-May-11	14.02	15.77
McAlpine	606.8	Mg	20-May-10	10.85	11.51
			22-Jul-10	14.58	15.34
			16-Sep-10	14.01	13.86
			17-Nov-10	17.53	17.6
			26-Jan-11	9.58	11.36
			28-Mar-11	9.85	10.78
			18-May-11	12.57	13.8
West Point	625.9	Mg	12-Jul-06	14.02	15.62
			20-Sep-06	11.68	11.58
			15-Nov-06	9.81	11.07
			19-Jan-07	8.64	8.96
			22-Mar-07	6.88	9.26
			22-May-07	13.2	13.32
			25-Jul-07	16.94	16.03
			18-Sep-07	16.62	16.83
			26-Nov-07	16.52	16.2
			15-Jan-08	9.23	10.07
			20-Mar-08	6.93	9.47
			20-May-08	9.74	19.52
			14-Jul-08	13.69	21.24
			24-Sep-08	16.36	17.15
			19-Nov-08	17.03	16.63
			22-Jan-09	9.7	10
			12-Mar-09	10.78	10.98
			28-May-09	11.44	12.24
			16-Jul-09	12.72	12.76
			09-Sep-09	13.12	13.79
			18-Nov-09	16.36	16.37
			26-Jan-10	10.53	11.71
			16-Mar-10	11.67	13.3
			20-May-10	9.87	13.1
			22-Jul-10	14.39	15.19
			16-Sep-10	17.17	17.52
			17-Nov-10	18.83	18.3
			26-Jan-11	11.21	12.26
			28-Mar-11	8.5	10.51
			18-May-11	12.52	14.06
Cannelton	720.7	Mg	27-Jul-06	10.33	10.74
			14-Sep-06	10.59	11.13
			01-Nov-06	7.3	10.12
			31-Jan-07	8.75	9.73
			22-Mar-07	8.61	9.61
			08-May-07	9.37	10
			24-Jul-07	15.33	15.22
			19-Sep-07	15.77	15.99
			27-Nov-07	13.83	13.83
			23-Jan-08	9.03	9.42
			18-Mar-08	8.72	9.66
			21-May-08	9.42	9.58
			23-Jul-08	11.95	11.32
			18-Sep-08	15.6	15.87
			18-Nov-08	14.93	14.84
			03-Feb-09	9.4	9.8
			10-Mar-09	9.12	9.76
			21-May-09	8.45	8.72
			22-Jul-09	11.1	11.03
			23-Sep-09	12.11	12.48
			18-Nov-09	13.81	13.62
			12-Jan-10	9.89	10.39
			24-Mar-10	8.05	8.98
			11-May-10	7.8	8.15
			13-Jul-10	12.96	14.93
			07-Sep-10	13.75	13.74
			02-Nov-10	17.96	18.98
			26-Jan-11	9.51	10.71
			30-Mar-11	9.24	10.06
			24-May-11	11.34	13.26

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Mg	12-Jul-06	12.34	14.61
			20-Sep-06	10.85	10.69
			15-Nov-06	10.45	10.84
			31-Jan-07	9.95	10.7
			22-Mar-07	7.14	9.77
			22-May-07	11.2	11.33
			24-Jul-07	14.69	14.5
			19-Sep-07	15.19	15.32
			27-Nov-07	12.81	14.25
			23-Jan-08	9.96	10.98
			25-Mar-08	7.55	
			21-May-08	9.62	10.35
			15-Jul-08	12.94	12.9
			29-Sep-08	16.34	16.57
			18-Nov-08	16.74	16.15
			03-Feb-09	10.39	10.72
			10-Mar-09	9.54	9.88
			20-May-09	7.69	8.36
			22-Jul-09	11.17	11.03
			15-Sep-09	10.36	11.41
			02-Nov-09	12.52	13.39
			12-Jan-10	11.96	11.56
			24-Mar-10	8.87	5.34
			11-May-10	9	9.7
			13-Jul-10	13.13	14.35
			07-Sep-10	12.04	11.9
			02-Nov-10	17.58	18.31
			26-Jan-11	10.8	11.28
			01-Mar-11	10.55	12.1
			24-May-11	11.68	12.18
J.T. Myers	846	Mg	11-Jul-06	13.02	13.5
			19-Sep-06	11.31	11.11
			15-Nov-06	9.59	9.99
			30-Jan-07	9.03	9.63
			22-Mar-07	9.76	10.81
			21-May-07	11.13	11.09
			25-Jul-07	15.69	14.71
			20-Sep-07	16.77	16.56
			28-Nov-07	13.21	13.54
			24-Jan-08	9.45	10.14
			18-Mar-08	8.41	9.05
			21-May-08	9.11	10.29
			22-Jul-08	13.25	13.18
			17-Sep-08	15.35	15.51
			17-Nov-08	14.01	13.04
			02-Feb-09	7.99	9.83
			10-Mar-09	9.25	9.53
			19-May-09	7.1	7.57
			21-Jul-09	11.67	11.6
			15-Sep-09	10.73	12.64
			02-Nov-09	11.61	12.1
			13-Jan-10	11.88	12
			25-Mar-10	9.32	9.87
			12-May-10	7.34	7.69
			14-Jul-10	12.14	12.96
			08-Sep-10	11.99	12.26
			03-Nov-10	15.68	16.64
			26-Jan-11	10.13	11.07
			01-Mar-11	10.4	13.72
			23-May-11	11.28	12.55
Smithland	918.5	Mg	11-Jul-06	15.79	15.6
			19-Sep-06	11.45	11.18
			14-Nov-06	10.51	11.63
			30-Jan-07	11.18	11.92
			21-Mar-07	10.88	11.45
			21-May-07	14.18	13.6
			25-Jul-07	16.85	16.58
			20-Sep-07	12.58	17.21
			28-Nov-07	14.59	14.42
			24-Jan-08	12.44	13.38
			17-Mar-08	9.67	9.99
			22-May-08	10.76	12.23
			22-Jul-08	13.66	13.15
			30-Sep-08	16.65	16.66
			17-Nov-08	17.47	16.53
			02-Feb-09	9.38	9.91
			10-Mar-09	11.28	11.71
			19-May-09	9.37	9.86
			21-Jul-09	14.39	14.4
			16-Sep-09	11.72	12.32
			02-Nov-09	12.36	13.09
			13-Jan-10	15.59	15.18
			25-Mar-10	11.41	11.85
			13-May-10	10.28	10.82
			15-Jul-10	14.26	16.53
			09-Sep-10	15.14	15.48
			03-Nov-10	18.06	18.91
			27-Jan-11	6.13	12.83
			29-Mar-11	11.63	12.14
			23-May-11	13.12	13.17

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Mg	11-Jul-06	14.64	16.73
			19-Sep-06	11.39	12.45
			14-Nov-06	9.98	11.88
			30-Jan-07	10.09	11
			21-Mar-07	10.82	11.4
			21-May-07	14.23	13.74
			25-Jul-07	16.78	16.23
			20-Sep-07	12.61	12.53
			28-Nov-07	13.98	14.27
			24-Jan-08	7.61	13.33
			17-Mar-08	8.48	9.78
			22-May-08	11.02	14.1
			21-Jul-08	13.06	12.68
			16-Sep-08	16.92	16.9
			17-Nov-08	14.22	13.56
			02-Feb-09	9.14	9.89
			11-Mar-09	11.11	11.88
			19-May-09	9.49	9.91
			21-Jul-09	14.29	14.11
			16-Sep-09	9.7	11.08
			03-Nov-09	12.92	13.01
			12-Jan-10	14.41	14.13
			25-Mar-10	10.82	11.67
			12-May-10	11.45	9.61
			14-Jul-10	13.46	14.88
			08-Sep-10	11.26	11.99
			03-Nov-10	12.13	12.87
			27-Jan-11	11.98	12.32
			16-Mar-11	8.61	8.45
			23-May-11	11.96	11.61
New Cumberland	54.4	Mn	13-Jul-06	13.98	14.47
			14-Sep-06	2.11	66.82
			01-Nov-06	52.42	282.07
			12-Jan-07	56.87	140.86
			12-Mar-07	107.72	147.68
			07-May-07	63.58	114.43
			10-Jul-07	0.78	52.28
			17-Sep-07	11.57	39.11
			05-Nov-07	27.95	52.6
			08-Jan-08	110.64	148.28
			18-Mar-08	128.6	157.89
			28-May-08	67.15	99.07
			16-Jul-08	0.75	55.11
			24-Sep-08	1.63	31.79
			12-Nov-08	36.93	47.92
			09-Feb-09	135.6	222.01
			16-Mar-09	52.12	117.52
			18-May-09	64.39	99.65
			15-Jul-09	1.73	39.99
			08-Sep-09	15.41	44.14
			16-Nov-09	41.74	51.74
			18-Jan-10	119.27	134.62
			17-Mar-10	75.05	174.73
			12-May-10	35.64	73.82
			20-Jul-10	3.17	67.84
			23-Sep-10	1.37	51.1
			02-Nov-10	6.61	25.57
			18-Jan-11	73.29	93.29
			21-Mar-11	118.15	193.3
			26-May-11	37.14	80.88
Pike Island	84.2	Mn	13-Jul-06	30.91	50.53
			14-Sep-06	4.16	94.46
			01-Nov-06	43.41	347.18
			12-Jan-07	40.96	203.09
			12-Mar-07	113.96	166.72
			07-May-07	35.21	92.16
			10-Jul-07	0.45	40.38
			17-Sep-07	16.46	39.37
			05-Nov-07	9.77	33.15
			08-Jan-08	107.79	156.98
			18-Mar-08	128.02	171.91
			28-May-08	52.53	92.75
			16-Jul-08	1.35	40.1
			24-Sep-08	1.36	26.95
			12-Nov-08	28.74	51.39
			09-Feb-09	153.01	228.35
			16-Mar-09	50.48	137.78
			18-May-09	48.91	81.28
			15-Jul-09	0.95	36.73
			08-Sep-09	19.75	46.82
			16-Nov-09	39.75	56.58
			18-Jan-10	103.23	187.12
			17-Mar-10	71.74	321.94
			12-May-10	16.85	61.4
			20-Jul-10	0.58	37.64
			23-Sep-10	3.53	57.8
			02-Nov-10	8.08	34.93
			18-Jan-11	83.22	111.29
			21-Mar-11	118.07	219.11
			26-May-11	24.3	103.31

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	Mn	18-Jul-06	0.61	24.76
			06-Sep-06	2.69	131.34
			07-Nov-06	37.99	100.37
			02-Jan-07	82.58	106.58
			13-Mar-07	116.78	158.08
			10-May-07	2.2	64.28
			12-Jul-07	0.51	26.75
			24-Sep-07	74.69	107.62
			28-Nov-07	15.2	207.16
			09-Jan-08	105.72	141.18
			26-Mar-08	83.52	129.85
			15-May-08	3.23	85.52
			17-Jul-08	0.55	27.1
			17-Sep-08	25.04	59.53
			19-Nov-08	14.4	40.51
			10-Feb-09	130.17	173.62
			10-Mar-09	99.97	370.92
			19-May-09	33.09	68.32
			22-Jul-09	5.12	28.83
			15-Sep-09	23.04	57.41
			12-Nov-09	24.19	42.68
			20-Jan-10	108.13	86.54
			18-Mar-10	62.02	186.23
			19-May-10	16.03	114.72
			21-Jul-10	3.97	35.69
			14-Sep-10	2.15	32.04
			08-Nov-10	9.54	35.41
			25-Jan-11	76.71	101.22
			29-Mar-11	114.3	157.64
			24-May-11	13.21	88.83
Willow Island	161.8	Mn	18-Jul-06	0.66	17.65
			06-Sep-06	15.96	99.95
			07-Nov-06	30.39	109.84
			02-Jan-07	86.24	110.09
			13-Mar-07	109.09	166.09
			10-May-07	3.96	53.52
			12-Jul-07	0.98	39.45
			24-Sep-07	67.05	90.47
			28-Nov-07	15.29	173.38
			09-Jan-08	93.26	231.82
			26-Mar-08	73.22	137.07
			15-May-08	1.46	86.6
			17-Jul-08	0.41	25.04
			08-Sep-08	1.02	30.22
			19-Nov-08	9.24	40.97
			10-Feb-09	113.02	179.23
			10-Mar-09	108.77	282.72
			19-May-09	24.73	59.44
			22-Jul-09	16.6	44.31
			15-Sep-09	17.61	53.94
			12-Nov-09	16.15	34.05
			20-Jan-10	70.66	160.19
			18-Mar-10	56.52	238.27
			19-May-10	13.63	109.73
			27-Jul-10	0.43	33.34
			27-Sep-10	1.6	36.15
			08-Nov-10	6.09	22.53
			25-Jan-11	74.97	97.41
			22-Mar-11	104.24	217.34
			24-May-11	6.63	91.33
Belleville	203.9	Mn	12-Jul-06	11.34	32.9
			19-Sep-06	10.66	86.11
			24-Nov-06	9.16	113.34
			04-Jan-07	54.94	81.8
			15-Mar-07	72.89	146.49
			09-May-07	6.99	63.88
			17-Jul-07	1.77	26.58
			19-Sep-07	35.12	61.97
			08-Nov-07	40.48	62.89
			07-Jan-08	55.83	95.35
			13-Mar-08	44.85	183.96
			19-May-08	3.75	182.43
			23-Jul-08	0.7	34.76
			08-Sep-08	3.53	25.84
			13-Nov-08	30.15	47.57
			22-Jan-09	72.03	
			09-Mar-09	104.83	173.82
			13-May-09	4.42	85.98
			13-Jul-09	4.17	33.56
			09-Sep-09	6.07	55.76
			09-Nov-09	12.32	34.17
			19-Jan-10	55.6	234.95
			24-Mar-10	22.03	205.46
			13-May-10	6.24	76.86
			22-Jul-10	2.96	44.97
			29-Sep-10	3.28	51.85
			17-Nov-10	12.75	23.93
			02-Feb-11	89.63	114.57
			28-Mar-11	48.35	195.99
			25-May-11	4.39	144.05

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	Mn	12-Jul-06	73.49	118.19
			19-Sep-06	33.06	111.39
			24-Nov-06	20.59	60.75
			04-Jan-07	30.93	52.67
			15-Mar-07	83.79	169.53
			09-May-07	261.77	352.88
			17-Jul-07	33.74	80.56
			19-Sep-07	57.32	101.71
			08-Nov-07	60.14	109.14
			07-Jan-08	65.67	99.87
			13-Mar-08	70.78	154.2
			19-May-08	44.03	108.43
			23-Jul-08	37.32	80
			17-Sep-08	34.96	70.71
			13-Nov-08	48.13	78.01
			22-Jan-09	75.11	100.59
			09-Mar-09	72.44	98.8
			13-May-09	58.66	97.97
			13-Jul-09	47.42	87.59
			09-Sep-09	18.99	44.19
			09-Nov-09	26.35	58.77
			19-Jan-10	34.3	172.64
			24-Mar-10	25.74	97.71
			13-May-10	99.59	173.91
			22-Jul-10	149.88	222.18
			29-Sep-10	3.61	37.75
			17-Nov-10	32.32	68.9
			02-Feb-11	66.3	98.65
			28-Mar-11	57.52	131.14
			25-May-11	41.86	100.1
Greenup	341	Mn	25-Jul-06	5.59	34.83
			12-Sep-06	4.14	72.35
			28-Nov-06	14.4	47.94
			30-Jan-07	42.23	76.39
			15-Mar-07	34.55	126.92
			09-May-07	8.33	
			26-Jul-07	19.1	47.38
			13-Sep-07	27.45	57.24
			29-Nov-07	18.81	170.18
			29-Jan-08	56.1	98.6
			20-Mar-08	23.53	162.25
			29-May-08	13.58	55.49
			21-Jul-08	0.66	27.56
			25-Sep-08	1.82	55.45
			15-Nov-08	7.58	86.12
			22-Jan-09	47.4	96.96
			09-Mar-09	42.48	71.35
			28-May-09	10.64	51.03
			15-Jul-09	1.72	34.95
			28-Sep-09	21.9	53.46
			09-Nov-09	11.02	40.46
			13-Jan-10	47.71	62.79
			24-Mar-10	10.64	160.96
			19-May-10	11.3	290.19
			29-Jul-10	1.77	19.92
			27-Sep-10	1.52	46.67
			18-Nov-10	17.63	37.72
			10-Jan-11	41.51	109.7
			08-Mar-11	17.21	402.46
			11-May-11	28.42	375.38
Meldahl	436.2	Mn	12-Jul-06	8.92	29.89
			12-Sep-06	19.85	104.63
			28-Nov-06	3.42	40.03
			30-Jan-07	7.71	42.51
			15-Mar-07	7.38	95.35
			09-May-07	2.39	96.17
			25-Jul-07	1.37	22.96
			13-Sep-07	17.08	47.11
			29-Nov-07	2.58	117.31
			28-Jan-08	19.73	39.71
			26-Mar-08	4.88	184.1
			29-May-08	6.18	26.94
			21-Jul-08	0.32	17.72
			25-Sep-08	3.73	30.87
			15-Nov-08	3.99	45.44
			22-Jan-09	13.59	40.46
			09-Mar-09	20.17	39.86
			28-May-09	4.39	40.51
			29-Jul-09	1.36	34.01
			28-Sep-09	1.41	73.75
			04-Nov-09	3.41	49.66
			13-Jan-10	25.18	34.48
			24-Mar-10	3.78	139.08
			19-May-10	3.66	141.39
			29-Jul-10	16.84	71.04
			27-Sep-10	1.12	43.44
			23-Nov-10	1.64	30.47
			10-Jan-11	8.72	170.83
			08-Mar-11	8.53	477.95
			11-May-11	2.06	125.12

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	Mn	12-Jul-06	29.55	44.37
			11-Sep-06	2.89	45.86
			09-Nov-06	30.34	120.69
			24-Jan-07	127.72	1132.09
			27-Mar-07	6.95	238.19
			08-May-07	5.77	88.7
			24-Jul-07	13.42	35.32
			18-Sep-07	4.57	39.83
			28-Nov-07	18.82	68.51
			09-Jan-08	36.77	117.57
			24-Mar-08	2.54	272.26
			13-May-08	8.47	217.76
			17-Jul-08	23.57	62.11
			23-Sep-08	3.42	35.2
			19-Nov-08	6.82	16.27
			14-Jan-09	3.11	185.46
			09-Mar-09	33.99	60.29
			28-May-09	29.7	74.26
			29-Jul-09	10.82	48.42
			21-Sep-09	10.16	102.61
			03-Nov-09	3.04	80.62
			12-Jan-10	32.4	267.07
			23-Mar-10	21.56	209.49
			20-May-10	5.11	152.03
			13-Jul-10	7.07	41.23
			20-Sep-10	2.06	31.56
			19-Nov-10	9.01	32.86
			18-Jan-11	32.82	50.79
			08-Mar-11	6.69	362.67
			24-May-11	22.81	164.55
Markland	531.5	Mn	13-Jul-06	20.55	37.75
			13-Sep-06	12.83	103.38
			09-Nov-06	5.7	57.86
			24-Jan-07	1.66	194.22
			27-Mar-07	7.27	238.03
			22-May-07	1.31	35.81
			25-Jul-07	2.51	22.42
			18-Sep-07	2.86	38.67
			28-Nov-07	3.04	48.45
			09-Jan-08	10.4	79.27
			24-Mar-08	19.73	342.53
			13-May-08	2.38	164.22
			21-Jul-08	8.93	64.89
			24-Sep-08	1.24	28.08
			19-Nov-08	13.33	72.86
			02-Feb-09	6.12	102.99
			09-Mar-09	10.39	57.86
			28-May-09	14.64	56.14
			16-Jul-09	2.5	29.06
			22-Sep-09	31.41	59.09
			18-Nov-09	8	36.17
			12-Jan-10	9.23	216.35
			23-Mar-10	3.72	174.03
			26-May-10	3.05	48.09
			14-Jul-10	5.15	39.79
			20-Sep-10	12.31	39.32
			19-Nov-10	3.65	26.73
			18-Jan-11	13.6	31.6
			08-Mar-11	18.5	497.47
			24-May-11	1.22	159.54
Louisville	600.6	Mn	12-Jul-06	18.28	40.64
			20-Sep-06	17.75	74.47
			15-Nov-06	9.38	75.98
			31-Jan-07	10.24	70.22
			22-Mar-07	4.54	639.68
			22-May-07	203.61	433.51
			24-Jul-07	23.12	40.72
			18-Sep-07	22.96	50.9
			26-Nov-07	6.11	26.29
			15-Jan-08	13.75	93.02
			20-Mar-08	1.86	360.33
			20-May-08	25.02	89.79
			14-Jul-08	130.84	373.96
			24-Sep-08	2.43	20.33
			19-Nov-08	18.34	91.93
			22-Jan-09	9.19	43.74
			12-Mar-09	16.89	57.35
			28-May-09	35.07	100.97
			16-Jul-09	21.04	74.19
			23-Sep-09	11.71	37.34
			18-Nov-09	10.15	32.44
			26-Jan-10	4.91	252.22
			16-Mar-10	10.9	130.46
			20-May-10	10.17	128.09
			22-Jul-10	3.62	54.34
			16-Sep-10	8.13	40.61
			17-Nov-10	10.94	26.52
			26-Jan-11	38.75	146.97
			28-Mar-11	604.83	921.07
			18-May-11	214.65	609.36
McAlpine	606.8	Mn	20-May-10	3.98	221.52
			22-Jul-10	0.48	87.58
			16-Sep-10	3.94	39.18
			17-Nov-10	5.04	18.87
			26-Jan-11	20.8	67.52
			28-Mar-11	5.16	237.68
			18-May-11	3.13	277.84

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
West Point	625.9	Mn	12-Jul-06	91.04	100.72
			20-Sep-06	24.78	86.22
			15-Nov-06	22.35	138.64
			19-Jan-07	7.5	172.79
			22-Mar-07	3.66	610.51
			22-May-07	10.64	114.45
			25-Jul-07	33.87	54.56
			18-Sep-07	12.41	49.56
			26-Nov-07	32.86	65.56
			15-Jan-08	1.16	245.67
			20-Mar-08	1.79	330.53
			20-May-08	10.7	1236.94
			14-Jul-08	24.18	1052.27
			24-Sep-08	5.93	34.39
			19-Nov-08	39.89	78.98
			22-Jan-09	49.9	140.81
			12-Mar-09	15.4	101.13
			28-May-09	39.11	176.33
			16-Jul-09	22.04	66.54
			09-Sep-09	6.23	58.5
			18-Nov-09	42.97	123.98
			26-Jan-10	4.42	290.91
			16-Mar-10	3.59	400.91
			20-May-10	2.7	398.45
			22-Jul-10	4.79	120.25
			16-Sep-10	7.17	29.06
			17-Nov-10	26.86	41.82
			26-Jan-11	38.19	71.65
			28-Mar-11	8.78	208.12
			18-May-11	4.54	292.75
Cannelton	720.7	Mn	27-Jul-06	3.06	28.81
			14-Sep-06	7.03	66.16
			01-Nov-06	3.81	582
			31-Jan-07	1.96	110.35
			22-Mar-07	2.01	718.76
			08-May-07	1.53	35.08
			24-Jul-07	5.71	18.52
			19-Sep-07	6.85	33.37
			27-Nov-07	4.95	32.57
			23-Jan-08	1.23	62.83
			18-Mar-08	1.47	175.4
			21-May-08	0.77	188.55
			23-Jul-08	0.76	39.46
			18-Sep-08	13.22	38.05
			18-Nov-08	7.12	21.65
			03-Feb-09	3.09	198.09
			10-Mar-09	1.33	99.74
			21-May-09	2.23	66.78
			22-Jul-09	0.85	38.23
			23-Sep-09	5.06	36.14
			18-Nov-09	3.13	25.79
			12-Jan-10	4.82	24.3
			24-Mar-10	1.89	273.2
			11-May-10	3.2	56.16
			13-Jul-10	2.24	18.45
			07-Sep-10	4.8	30.57
			02-Nov-10	2.5	28.75
			26-Jan-11	7.75	30.2
			30-Mar-11	1.55	222.75
			24-May-11	0.79	463
Newburgh	776	Mn	12-Jul-06	12.12	57.84
			20-Sep-06	4.36	39.26
			15-Nov-06	13.61	113.7
			31-Jan-07	14.56	234.72
			22-Mar-07	1.54	385.18
			22-May-07	0.28	87.11
			24-Jul-07	8.4	20.76
			19-Sep-07	9.51	30.86
			27-Nov-07	5.67	37.95
			23-Jan-08	5.71	403.25
			25-Mar-08	4.64	
			21-May-08	1.41	256.55
			15-Jul-08	0.46	18.59
			29-Sep-08	0.15	11.51
			18-Nov-08	8.08	50.34
			03-Feb-09	7.41	299.22
			10-Mar-09	8.87	59.73
			20-May-09	2.62	94.32
			22-Jul-09	1.13	42.6
			15-Sep-09	0.29	18.8
			02-Nov-09	0.57	212.16
			12-Jan-10	12.15	45.99
			24-Mar-10	12.35	244.92
			11-May-10	43.31	145.41
			13-Jul-10	0.91	13.81
			07-Sep-10	0.55	32.25
			02-Nov-10	2	24.57
			26-Jan-11	15.26	38.18
			01-Mar-11	2.55	482.86
			24-May-11	2.38	209.75

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	Mn	11-Jul-06	0.88	50.13
			19-Sep-06	1.44	45.78
			15-Nov-06	1.6	213.12
			30-Jan-07	6.45	325.45
			22-Mar-07	0.9	356.29
			21-May-07	0.44	71.62
			25-Jul-07	1.03	26.57
			20-Sep-07	2.17	32.97
			28-Nov-07	1.83	98.09
			24-Jan-08	2.64	157.07
			18-Mar-08	1.82	171.11
			21-May-08	0.7	290.22
			22-Jul-08	0.54	18.21
			17-Sep-08	0.43	34.99
			17-Nov-08	5.72	28.62
			02-Feb-09	2.65	541.31
			10-Mar-09	4.51	74.18
			19-May-09	0.85	162.26
			21-Jul-09	0.44	30.24
			15-Sep-09	0.35	39.02
			02-Nov-09	0.87	225.42
			13-Jan-10	15.33	43.06
			25-Mar-10	1.62	312.31
			12-May-10	2.64	162.9
			14-Jul-10	5.14	26.62
			08-Sep-10	0.22	32.71
			03-Nov-10	0.45	21.18
			26-Jan-11	10.85	36.57
			01-Mar-11	1.89	1011.19
			23-May-11	9.69	523.18
Smithland	918.5	Mn	11-Jul-06	2.5	32.1
			19-Sep-06	2.09	39.88
			14-Nov-06	2.77	76.94
			30-Jan-07	4.88	165.9
			21-Mar-07	1.72	256.38
			21-May-07	0.33	25.31
			25-Jul-07	7.27	70.55
			20-Sep-07	1.98	20.9
			28-Nov-07	2.9	40.23
			24-Jan-08	4.32	106.43
			17-Mar-08	2.37	131.61
			22-May-08	3.45	275.62
			22-Jul-08	0.2	26.44
			30-Sep-08	0.43	25.3
			17-Nov-08	6.04	17.74
			02-Feb-09	2.68	350.63
			10-Mar-09	1.79	78.25
			19-May-09	0.67	180.54
			21-Jul-09	0.19	35.08
			16-Sep-09	8.12	57.52
			02-Nov-09	1.41	113.39
			13-Jan-10	14.42	85
			25-Mar-10	3.91	233.67
			13-May-10	22.28	208.97
			15-Jul-10	1.23	30.44
			09-Sep-10	0.61	49.63
			03-Nov-10	0.35	45.74
			27-Jan-11	9.07	39.12
			29-Mar-11	4.7	212.32
			23-May-11	8.15	263.55
L&D 52	938.9	Mn	11-Jul-06	1.35	85.73
			19-Sep-06	1.08	493.7
			14-Nov-06	73.94	218.79
			30-Jan-07	11.58	229.14
			21-Mar-07	4.13	254.6
			21-May-07	0.49	57.51
			25-Jul-07	0.74	48.99
			20-Sep-07	0.43	39.28
			28-Nov-07	5.67	100.96
			24-Jan-08	6.59	231.61
			17-Mar-08	2.88	119.13
			22-May-08	3.62	712.82
			21-Jul-08	20.71	48.5
			16-Sep-08	9.83	70.78
			17-Nov-08	4.54	52.08
			02-Feb-09	4.12	395.41
			11-Mar-09	19.31	192.41
			19-May-09	0.71	164.9
			21-Jul-09	0.89	58.42
			16-Sep-09	0.21	48.36
			03-Nov-09	1.02	162.47
			12-Jan-10	48.84	101.5
			25-Mar-10	2.5	191.66
			12-May-10	6.24	120.1
			14-Jul-10	12.57	55.33
			08-Sep-10	0.44	56.1
			03-Nov-10	1.09	53.38
			27-Jan-11	17.77	53.5
			16-Mar-11	7.88	43.73
			23-May-11	260.46	433.58

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Ni	13-Jul-06	1.59	1.57
			14-Sep-06	1.38	2.25
			01-Nov-06	2.46	6.15
			12-Jan-07	2.3	4.1
			12-Mar-07	3.85	4.41
			07-May-07	2.49	3.23
			10-Jul-07	2.27	2.3
			17-Sep-07	1.89	2.24
			05-Nov-07	2.21	2.23
			08-Jan-08	3.56	4.51
			18-Mar-08	4.07	5.1
			28-May-08	2.52	3.29
			16-Jul-08	1.21	2.21
			24-Sep-08	1.98	2.24
			12-Nov-08	2.69	2.83
			09-Feb-09	3.24	5.21
			16-Mar-09	2.26	3.55
			18-May-09	2.18	2.73
			15-Jul-09	1.45	1.85
			08-Sep-09	1.76	2.11
			16-Nov-09	2.05	1.59
			18-Jan-10	3.8	3.66
			17-Mar-10	2.87	3.99
			12-May-10	2.74	3.18
			20-Jul-10	1.78	2.11
			23-Sep-10	2.59	2.96
			02-Nov-10	2.78	3.01
			18-Jan-11	3.11	3.24
			21-Mar-11	3.9	5.53
			26-May-11	3.22	3.93
Pike Island	84.2	Ni	13-Jul-06	1.41	1.89
			14-Sep-06	1.44	2.86
			01-Nov-06	2.18	7.21
			12-Jan-07	2.14	5.16
			12-Mar-07	3.67	4.83
			07-May-07	2.06	2.93
			10-Jul-07	1.86	2.02
			17-Sep-07	1.68	1.81
			05-Nov-07	2.16	2.46
			08-Jan-08	3.36	4.38
			18-Mar-08	4.03	5.78
			28-May-08	2.19	3.12
			16-Jul-08	1.47	2.1
			24-Sep-08	2.06	2.21
			12-Nov-08	2.34	2.76
			09-Feb-09	3.99	6.63
			16-Mar-09	2.6	4.09
			18-May-09	2.03	2.51
			15-Jul-09	1.55	1.87
			08-Sep-09	1.54	2.09
			16-Nov-09	1.65	1.87
			18-Jan-10	2.95	4.4
			17-Mar-10	2.74	7.66
			12-May-10	2.6	3.26
			20-Jul-10	1.92	2.12
			23-Sep-10	2.62	3.2
			02-Nov-10	2.51	3.18
			18-Jan-11	3.01	3.7
			21-Mar-11	3.74	5.8
			26-May-11	3.05	4.44
Hannibal	126.4	Ni	18-Jul-06	1.45	1.69
			06-Sep-06	1.4	2.94
			07-Nov-06	2.15	3.27
			02-Jan-07	3.13	3.8
			13-Mar-07	3.86	4.37
			10-May-07	1.58	2.6
			12-Jul-07	2.22	2.36
			24-Sep-07	1.84	2.16
			28-Nov-07	2.31	5.31
			09-Jan-08	3.27	4.07
			26-Mar-08	3.08	4.75
			15-May-08	1.76	3.4
			17-Jul-08	1.18	1.75
			17-Sep-08	2	2.62
			19-Nov-08	2.9	3.1
			10-Feb-09	3.89	4.98
			10-Mar-09	3.2	9.41
			19-May-09	1.68	2.14
			22-Jul-09	1.76	1.51
			15-Sep-09	1.78	2.04
			12-Nov-09	1.85	2.21
			20-Jan-10	3.76	2.68
			18-Mar-10	2.39	5.17
			19-May-10	2.54	4.73
			21-Jul-10	2.51	2.16
			14-Sep-10	2.17	2.97
			08-Nov-10	2.68	3.3
			25-Jan-11	2.73	3.41
			29-Mar-11	3.53	4.81
			24-May-11	3.35	4.42

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Ni	18-Jul-06	1.31	1.68
			06-Sep-06	1.67	2.93
			07-Nov-06	2.12	3.47
			02-Jan-07	2.97	3.73
			13-Mar-07	2.83	4.6
			10-May-07	1.96	2.27
			12-Jul-07	2.27	2.54
			24-Sep-07	1.87	2.18
			28-Nov-07	2.51	5.24
			09-Jan-08	3.02	5.6
			26-Mar-08	2.82	4.77
			15-May-08	1.32	3.4
			17-Jul-08	1.35	1.7
			08-Sep-08	1.93	2.06
			19-Nov-08	2.56	3.04
			10-Feb-09	3.83	5.15
			10-Mar-09	3.54	6.99
			19-May-09	1.65	2.15
			22-Jul-09	1.72	2.21
			15-Sep-09	1.46	1.98
			12-Nov-09	1.66	2.12
			20-Jan-10	2.97	4.48
			18-Mar-10	2.49	6.65
			19-May-10	2.3	4.33
			27-Jul-10	2.14	2.67
			27-Sep-10	2.48	3.29
			08-Nov-10	2.65	2.99
			25-Jan-11	3.07	3.4
			22-Mar-11	3.47	5.81
			24-May-11	3.09	4.7
Belleville	203.9	Ni	12-Jul-06	1.73	1.82
			19-Sep-06	1.36	2.6
			24-Nov-06	1.99	3.97
			04-Jan-07	2.46	3.19
			15-Mar-07	2.92	4.21
			09-May-07	1.82	2.83
			17-Jul-07	2.07	2.32
			19-Sep-07	1.66	1.95
			08-Nov-07	2.3	2.52
			07-Jan-08	1.84	2.85
			13-Mar-08	2.08	5.8
			19-May-08	1.5	5.3
			23-Jul-08	1.13	1.6
			08-Sep-08	1.92	2.18
			13-Nov-08	2.53	2.78
			22-Jan-09	2.23	
			09-Mar-09	2.82	4.36
			13-May-09	1.23	3.23
			13-Jul-09	1.29	1.43
			09-Sep-09	1.74	2.27
			09-Nov-09	1.93	2.39
			19-Jan-10	2.43	4.95
			24-Mar-10	2.37	5.45
			13-May-10	2.47	3.19
			22-Jul-10	1.5	1.77
			29-Sep-10	2.76	3.22
			17-Nov-10	4.07	3.11
			02-Feb-11	2.75	3.38
			28-Mar-11	2.85	4.97
			25-May-11	3.17	5.6
R.C. Byrd	279.2	Ni	12-Jul-06	1.71	2.55
			19-Sep-06	1.41	2.7
			24-Nov-06	1.37	2.26
			04-Jan-07	1.15	1.66
			15-Mar-07	1.85	3.79
			09-May-07	1.3	3.49
			17-Jul-07	2	2.32
			19-Sep-07	1.43	2.25
			08-Nov-07	1.95	3.1
			07-Jan-08	2.23	3.11
			13-Mar-08	1.42	4.04
			19-May-08	1.02	2.5
			23-Jul-08	1.13	2.35
			17-Sep-08	1.72	2.41
			13-Nov-08	2.03	3.08
			22-Jan-09	1.84	2.52
			09-Mar-09	1.96	2.75
			13-May-09	1.13	2.19
			13-Jul-09	1.25	2.08
			09-Sep-09	1.45	1.66
			09-Nov-09	1.96	2.77
			19-Jan-10	1.8	4.99
			24-Mar-10	1.49	3.13
			13-May-10	1.81	3.6
			22-Jul-10	1.64	2.91
			29-Sep-10	2.29	2.71
			17-Nov-10	3.43	3.36
			02-Feb-11	2.11	2.95
			28-Mar-11	1.67	3.06
			25-May-11	2.11	3.32

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Ni	25-Jul-06	1.18	1.76
			12-Sep-06	1.53	2.32
			28-Nov-06	1.45	2.23
			30-Jan-07	7.62	9.46
			15-Mar-07	1.89	3.62
			09-May-07	1.05	
			26-Jul-07	1.89	2.33
			13-Sep-07	1.9	2.31
			29-Nov-07	1.89	4.17
			29-Jan-08	1.99	2.86
			20-Mar-08	1.82	5.26
			29-May-08	1.02	1.81
			21-Jul-08	0.87	1.47
			25-Sep-08	2.19	2.8
			15-Nov-08	2.59	3.65
			22-Jan-09	1.94	3.4
			09-Mar-09	1.92	2.64
			28-May-09	1.34	2.07
			15-Jul-09	1.39	2.2
			28-Sep-09	1.9	2.2
			09-Nov-09	1.41	2.03
			13-Jan-10	2.28	2.88
			24-Mar-10	1.91	4.2
			19-May-10	1.96	7.82
			29-Jul-10	1.31	1.48
			27-Sep-10	2.44	2.82
			18-Nov-10	3.07	3.33
			10-Jan-11	2.55	3.56
			08-Mar-11	2	8.5
			11-May-11	2.29	11.48
Meldahl	436.2	Ni	12-Jul-06	1.14	1.55
			12-Sep-06	1.65	3.48
			28-Nov-06	1.47	2.34
			30-Jan-07	1.31	2.46
			15-Mar-07	1.58	3.53
			09-May-07	1.01	2.82
			25-Jul-07	2.18	2.3
			13-Sep-07	1.76	2.31
			29-Nov-07	1.8	3.6
			28-Jan-08	1.95	2.25
			26-Mar-08	1.53	6.34
			29-May-08	1.01	1.62
			21-Jul-08	0.93	1.43
			25-Sep-08	1.95	2.21
			15-Nov-08	2.26	3.09
			22-Jan-09	1.42	2.21
			09-Mar-09	1.91	2.43
			28-May-09	1.04	1.66
			29-Jul-09	1.55	1.89
			28-Sep-09	1.82	2.52
			04-Nov-09	1.5	3.04
			13-Jan-10	1.85	1.74
			24-Mar-10	1.79	4.92
			19-May-10	1.84	5.16
			29-Jul-10	1.54	3.37
			27-Sep-10	2.83	3.31
			23-Nov-10	2.81	3.21
			10-Jan-11	1.96	5.03
			08-Mar-11	2.24	10.37
			11-May-11	2.36	5.16
Anderson Ferry	477.5	Ni	12-Jul-06	1.49	1.87
			11-Sep-06	1.53	2.37
			09-Nov-06	1.39	3.41
			24-Jan-07	1.25	22.31
			27-Mar-07	1.69	6.01
			08-May-07	1.19	2.73
			24-Jul-07	1.87	2.38
			18-Sep-07	2	2.53
			28-Nov-07	1.82	2.77
			09-Jan-08	1.66	3.75
			24-Mar-08	1.41	8.45
			13-May-08	1.65	5.88
			17-Jul-08	1.26	2.55
			23-Sep-08	2.03	2.16
			19-Nov-08	2.57	2.77
			14-Jan-09	1.45	4.71
			09-Mar-09	1.55	2.51
			28-May-09	1.27	2.23
			29-Jul-09	1.38	1.94
			21-Sep-09	1.95	3.07
			03-Nov-09	1.58	3.11
			12-Jan-10	1.97	4.86
			23-Mar-10	1.98	5.65
			20-May-10	R	5.33
			13-Jul-10	1.57	2.12
			20-Sep-10	2.81	3.62
			19-Nov-10	2.92	3.49
			18-Jan-11	2.35	2.67
			08-Mar-11	2.27	8.4
			24-May-11	2.66	5.37

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Ni	13-Jul-06	1.46	1.8
			13-Sep-06	1.43	3.14
			09-Nov-06	1.3	2.59
			24-Jan-07	1.15	5.02
			27-Mar-07	1.47	6.59
			22-May-07	0.83	1.5
			25-Jul-07	1.96	2.15
			18-Sep-07	2.39	2.68
			28-Nov-07	1.87	2.82
			09-Jan-08	1.6	2.93
			24-Mar-08	1.77	9.55
			13-May-08	1.33	4.48
			21-Jul-08	1.09	1.73
			24-Sep-08	1.87	2.02
			19-Nov-08	2.85	3.35
			02-Feb-09	1.46	4.1
			09-Mar-09	1.36	2.94
			28-May-09	1.1	1.8
			16-Jul-09	1.04	1.44
			22-Sep-09	1.66	2.53
			18-Nov-09	1.73	1.84
			12-Jan-10	1.81	4.36
			23-Mar-10	1.72	5.06
			26-May-10	2	3.6
			14-Jul-10	1.28	1.98
			20-Sep-10	2.97	3.07
			19-Nov-10	2.97	3.29
			18-Jan-11	2.15	2.43
			08-Mar-11	4.59	10.41
			24-May-11	2.64	5.26
Louisville	600.6	Ni	12-Jul-06	1.23	1.84
			20-Sep-06	1.62	2.94
			15-Nov-06	1.28	2.66
			31-Jan-07	1.21	2.58
			22-Mar-07	1.51	13.12
			22-May-07	1.05	5.79
			24-Jul-07	1.83	2.34
			18-Sep-07	2.71	3.03
			26-Nov-07	2.12	2.46
			15-Jan-08	1.47	4.09
			20-Mar-08	0.91	10.89
			20-May-08	1.26	2.97
			14-Jul-08	1.46	8.7
			24-Sep-08	1.77	2.08
			19-Nov-08	2.52	4.6
			22-Jan-09	1.32	2.19
			12-Mar-09	1.54	2.57
			28-May-09	1.12	2.86
			16-Jul-09	1.14	2.08
			23-Sep-09	1.46	2.16
			18-Nov-09	1.6	1.88
			26-Jan-10	1.56	5.94
			16-Mar-10	2.05	5.23
			20-May-10	1.83	4.58
			22-Jul-10	1.5	2.36
			16-Sep-10	2.39	2.08
			17-Nov-10	3.18	3.4
			26-Jan-11	2.42	4.5
			28-Mar-11	2.54	11.87
			18-May-11	3.04	13.43
McAlpine	606.8	Ni	20-May-10	1.82	6.58
			22-Jul-10	1.42	2.8
			16-Sep-10	2.44	3.03
			17-Nov-10	4.2	3.23
			26-Jan-11	2.64	3.13
			28-Mar-11	1.97	5.66
			18-May-11	2.7	7.83
West Point	625.9	Ni	12-Jul-06	2.68	3.04
			20-Sep-06	2.05	3.32
			15-Nov-06	1.68	3.85
			19-Jan-07	1.42	5.21
			22-Mar-07	1.38	12.83
			22-May-07	2.24	3.29
			25-Jul-07	2.8	3.23
			18-Sep-07	3.57	3.86
			26-Nov-07	3.16	3.96
			15-Jan-08	1.51	6.94
			20-Mar-08	1.15	9.96
			20-May-08	1.48	35.29
			14-Jul-08	1.64	33.69
			24-Sep-08	2.79	2.89
			19-Nov-08	3.6	4.32
			22-Jan-09	1.83	4.25
			12-Mar-09	1.69	3.93
			28-May-09	1.63	5.5
			16-Jul-09	1.91	2.7
			09-Sep-09	2.14	3.12
			18-Nov-09	2.36	4.22
			26-Jan-10	1.81	5.97
			16-Mar-10	2.34	10.43
			20-May-10	2.11	12.3
			22-Jul-10	1.56	3.24
			16-Sep-10	4.48	5.06
			17-Nov-10	3.98	4.16
			26-Jan-11	3.44	3.98
			28-Mar-11	1.71	5.22
			18-May-11	2.38	8.19

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Ni	27-Jul-06	1.13	1.69
			14-Sep-06	1.35	2.5
			01-Nov-06	1.54	10.68
			31-Jan-07	1.22	3.26
			22-Mar-07	1.42	15.82
			08-May-07	0.98	2.04
			24-Jul-07	1.83	2.08
			19-Sep-07	2.56	2.77
			27-Nov-07	1.94	2.35
			23-Jan-08	1.37	2.87
			18-Mar-08	1.27	5.36
			21-May-08	1.16	5.54
			23-Jul-08	1.24	1.54
			18-Sep-08	1.97	2.22
			18-Nov-08	2.52	2.65
			03-Feb-09	1.29	5.3
			10-Mar-09	1.31	3.77
			21-May-09	1.06	3.31
			22-Jul-09	1.28	2.19
			23-Sep-09	1.34	2.06
			18-Nov-09	1.4	1.77
			12-Jan-10	1.45	1.61
			24-Mar-10	1.72	6.8
			11-May-10	2.05	4.21
			13-Jul-10	1.32	1.52
			07-Sep-10	1.92	2.83
			02-Nov-10	2.87	3.44
			26-Jan-11	1.83	2.31
			30-Mar-11	1.82	5.61
			24-May-11	2.89	10.06
Newburgh	776	Ni	12-Jul-06	1.17	2.28
			20-Sep-06	1.71	2.47
			15-Nov-06	1.78	3.33
			31-Jan-07	1.34	5.88
			22-Mar-07	1.16	9.87
			22-May-07	1.06	2.22
			24-Jul-07	2.22	2.01
			19-Sep-07	2.32	2.49
			27-Nov-07	1.87	2.77
			23-Jan-08	1.55	8.92
			25-Mar-08	1.25	
			21-May-08	1.16	5.92
			15-Jul-08	1.18	1.5
			29-Sep-08	1.77	1.95
			18-Nov-08	3.07	3.65
			03-Feb-09	1.3	6.21
			10-Mar-09	1.32	2.72
			20-May-09	1.13	4.06
			22-Jul-09	1.32	2.19
			15-Sep-09	1.23	1.28
			02-Nov-09	1.79	4.62
			12-Jan-10	1.59	2.14
			24-Mar-10	2.03	5.76
			11-May-10	2.38	5.55
			13-Jul-10	1.32	1.35
			07-Sep-10	2.22	3.05
			02-Nov-10	2.94	3.64
			26-Jan-11	2.24	2.59
			01-Mar-11	2.5	11.98
			24-May-11	2.76	5.82
J.T. Myers	846	Ni	11-Jul-06	1.18	2.25
			19-Sep-06	1.42	2.7
			15-Nov-06	1.34	5.24
			30-Jan-07	1.24	7.56
			22-Mar-07	1.34	9.04
			21-May-07	1.06	2.02
			25-Jul-07	1.69	2.09
			20-Sep-07	2.62	2.88
			28-Nov-07	2.15	3.57
			24-Jan-08	1.43	4.29
			18-Mar-08	1.19	5.37
			21-May-08	1.29	7.08
			22-Jul-08	1.03	1.4
			17-Sep-08	1.56	2.03
			17-Nov-08	1.84	2.4
			02-Feb-09	1.05	10.11
			10-Mar-09	1.1	3.25
			19-May-09	1.14	5.65
			21-Jul-09	1.04	1.47
			15-Sep-09	1.46	2.01
			02-Nov-09	1.18	5.56
			13-Jan-10	1.48	1.85
			25-Mar-10	1.43	7.14
			12-May-10	2	6.15
			14-Jul-10	1.17	1.37
			08-Sep-10	2.05	2.84
			03-Nov-10	2.73	3.48
			26-Jan-11	2.25	2.71
			01-Mar-11	2.48	20.72
			23-May-11	2.8	11.45

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Ni	11-Jul-06	1.25	1.69
			19-Sep-06	1.54	2.43
			14-Nov-06	1.43	2.98
			30-Jan-07	1.23	5.15
			21-Mar-07	1.39	7.1
			21-May-07	1.05	1.24
			25-Jul-07	1.63	2.17
			20-Sep-07	2.09	2.1
			28-Nov-07	2.17	2.53
			24-Jan-08	1.5	4.3
			17-Mar-08	1.25	4.39
			22-May-08	1.23	7.41
			22-Jul-08	1.04	1.73
			30-Sep-08	1.67	1.87
			17-Nov-08	1.87	2.23
			02-Feb-09	1.07	6.89
			10-Mar-09	1.21	3.36
			19-May-09	1.33	5.23
			21-Jul-09	1.83	2.02
			16-Sep-09	1.53	1.38
			02-Nov-09	2.08	4.01
			13-Jan-10	1.95	3.07
			25-Mar-10	2.22	6.67
			13-May-10	2.23	6.6
			15-Jul-10	1.19	1.61
			09-Sep-10	2.26	3.08
			03-Nov-10	2.71	3.11
			27-Jan-11	1.43	2.58
			29-Mar-11	2.11	5.68
			23-May-11	3.12	6.72
L&D 52	938.9	Ni	11-Jul-06	1.9	2.85
			19-Sep-06	1.57	11.16
			14-Nov-06	1.48	4.56
			30-Jan-07	1.24	7.31
			21-Mar-07	1.32	6.89
			21-May-07	1.1	1.61
			25-Jul-07	1.65	2.09
			20-Sep-07	1.42	1.57
			28-Nov-07	2.1	3.62
			24-Jan-08	1.47	6.51
			17-Mar-08	1.1	4.14
			22-May-08	1.25	15.72
			21-Jul-08	0.98	1.71
			16-Sep-08	1.44	2.22
			17-Nov-08	1.48	2.12
			02-Feb-09	1.11	8.38
			11-Mar-09	1.26	6.05
			19-May-09	1.35	4.73
			21-Jul-09	0.91	1.75
			16-Sep-09	1.29	1.46
			03-Nov-09	1.4	4.65
			12-Jan-10	1.92	2.67
			25-Mar-10	2.23	6.02
			12-May-10	2.47	5.19
			14-Jul-10	1.1	2.02
			08-Sep-10	1.71	2.7
			03-Nov-10	1.96	2.37
			27-Jan-11	2.42	2.86
			16-Mar-11	2.24	3.42
			23-May-11	3.43	5.79
New Cumberland	54.4	Pb	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	0.85
			01-Nov-06	<0.1	2.53
			12-Jan-07	<0.1	1.11
			12-Mar-07	<0.1	0.62
			07-May-07	<0.1	0.55
			10-Jul-07	<0.1	0.53
			17-Sep-07	<0.1	0.39
			05-Nov-07	<0.1	0.36
			08-Jan-08	<0.1	0.61
			18-Mar-08	<0.1	0.76
			28-May-08	<0.1	0.43
			16-Jul-08	<0.1	0.71
			24-Sep-08	<0.1	0.18
			12-Nov-08	<0.1	0.43
			09-Feb-09	<0.1	1.52
			16-Mar-09	<0.1	1.25
			18-May-09	<0.1	0.54
			15-Jul-09	<0.1	0.4
			08-Sep-09	<0.1	0.36
			16-Nov-09	<0.1	0.26
			18-Jan-10	<0.1	0.32
			17-Mar-10	0.11	1.46
			12-May-10	<0.1	0.48
			20-Jul-10	<0.1	0.38
			23-Sep-10	<0.1	0.36
			02-Nov-10	<0.1	0.39
			18-Jan-11	<0.1	0.32
			21-Mar-11	<0.1	1.17
			26-May-11	0.13	0.77

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Pb	13-Jul-06	<0.1	0.44
			14-Sep-06	<0.1	1.25
			01-Nov-06	<0.1	3.51
			12-Jan-07	<0.1	1.82
			12-Mar-07	<0.1	0.85
			07-May-07	<0.1	0.49
			10-Jul-07	<0.1	0.26
			17-Sep-07	<0.1	0.25
			05-Nov-07	<0.1	0.35
			08-Jan-08	<0.1	0.73
			18-Mar-08	<0.1	1.19
			28-May-08	<0.1	0.56
			16-Jul-08	<0.1	0.47
			24-Sep-08	<0.1	0.11
			12-Nov-08	<0.1	0.12
			09-Feb-09	<0.1	1.66
			16-Mar-09	<0.1	1.48
			18-May-09	<0.1	0.45
			15-Jul-09	<0.1	0.39
			08-Sep-09	<0.1	0.27
			16-Nov-09	<0.1	0.41
			18-Jan-10	<0.1	1.24
			17-Mar-10	<0.1	4.72
			12-May-10	<0.1	0.59
			20-Jul-10	<0.1	0.39
			23-Sep-10	<0.1	0.5
			02-Nov-10	<0.1	0.62
			18-Jan-11	<0.1	0.48
			21-Mar-11	<0.1	1.44
			26-May-11	<0.1	1.18
Hannibal	126.4	Pb	18-Jul-06	<0.1	0.27
			06-Sep-06	<0.1	1.41
			07-Nov-06	<0.1	0.94
			02-Jan-07	<0.1	0.47
			13-Mar-07	<0.1	0.93
			10-May-07	<0.1	0.46
			12-Jul-07	<0.1	0.21
			24-Sep-07	<0.1	0.4
			28-Nov-07	<0.1	2.77
			09-Jan-08	<0.1	0.76
			26-Mar-08	<0.1	1.25
			15-May-08	<0.1	1.15
			17-Jul-08	<0.1	0.32
			17-Sep-08	<0.1	0.3
			19-Nov-08	<0.1	0.35
			10-Feb-09	<0.1	0.95
			10-Mar-09	<0.1	4.15
			19-May-09	<0.1	0.54
			22-Jul-09	<0.1	0.17
			15-Sep-09	<0.1	0.17
			12-Nov-09	<0.1	0.41
			20-Jan-10	<0.1	1.09
			18-Mar-10	<0.1	1.92
			19-May-10	<0.1	1.59
			21-Jul-10	<0.1	0.26
			14-Sep-10	<0.1	0.21
			08-Nov-10	<0.1	0.41
			25-Jan-11	<0.1	0.43
			29-Mar-11	<0.1	0.87
			24-May-11	<0.1	1.24
Willow Island	161.8	Pb	18-Jul-06	<0.1	0.2
			06-Sep-06	<0.1	1.15
			07-Nov-06	<0.1	1.13
			02-Jan-07	<0.1	0.5
			13-Mar-07	<0.1	0.89
			10-May-07	<0.1	0.38
			12-Jul-07	<0.1	0.32
			24-Sep-07	<0.1	0.24
			28-Nov-07	<0.1	2.54
			09-Jan-08	<0.1	1.87
			26-Mar-08	<0.1	1.42
			15-May-08	<0.1	1.39
			17-Jul-08	<0.1	0.29
			08-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	0.4
			10-Feb-09	<0.1	1.26
			10-Mar-09	<0.1	2.47
			19-May-09	<0.1	0.49
			22-Jul-09	<0.1	0.3
			15-Sep-09	<0.1	0.33
			12-Nov-09	<0.1	0.39
			20-Jan-10	<0.1	1.26
			18-Mar-10	<0.1	2.81
			19-May-10	<0.1	1.44
			27-Jul-10	<0.1	0.3
			27-Sep-10	<0.1	0.27
			08-Nov-10	<0.1	0.28
			25-Jan-11	<0.1	0.39
			22-Mar-11	<0.1	1.82
			24-May-11	<0.1	1.32

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Pb	12-Jul-06	<0.1	0.34
			19-Sep-06	<0.1	0.89
			24-Nov-06	<0.1	1.28
			04-Jan-07	0.13	0.52
			15-Mar-07	<0.1	1.13
			09-May-07	0.1	0.67
			17-Jul-07	<0.1	0.18
			19-Sep-07	<0.1	0.19
			08-Nov-07	<0.1	0.37
			07-Jan-08	<0.1	0.85
			13-Mar-08	<0.1	2.36
			19-May-08	<0.1	2.3
			23-Jul-08	<0.1	0.32
			08-Sep-08	<0.1	0.15
			13-Nov-08	<0.1	0.23
			22-Jan-09	<0.1	
			09-Mar-09	<0.1	1.23
			13-May-09	<0.1	1.49
			13-Jul-09	<0.1	0.22
			09-Sep-09	<0.1	0.38
			09-Nov-09	<0.1	0.33
			19-Jan-10	<0.1	1.97
			24-Mar-10	<0.1	2.32
			13-May-10	<0.1	0.74
			22-Jul-10	<0.1	0.44
			29-Sep-10	<0.1	0.23
			17-Nov-10	0.4	0.2
			02-Feb-11	<0.1	0.99
			28-Mar-11	<0.1	1.75
			25-May-11	<0.1	1.86
R.C. Byrd	279.2	Pb	12-Jul-06	<0.1	1.08
			19-Sep-06	<0.1	1.09
			24-Nov-06	<0.1	0.87
			04-Jan-07	<0.1	0.4
			15-Mar-07	<0.1	1.57
			09-May-07	<0.1	1.54
			17-Jul-07	<0.1	0.58
			19-Sep-07	<0.1	0.51
			08-Nov-07	<0.1	0.99
			07-Jan-08	<0.1	0.62
			13-Mar-08	<0.1	2.18
			19-May-08	<0.1	1.14
			23-Jul-08	<0.1	0.93
			17-Sep-08	<0.1	0.33
			13-Nov-08	<0.1	0.52
			22-Jan-09	<0.1	0.65
			09-Mar-09	<0.1	0.58
			13-May-09	<0.1	1.17
			13-Jul-09	<0.1	0.66
			09-Sep-09	<0.1	0.27
			09-Nov-09	<0.1	0.68
			19-Jan-10	<0.1	1.08
			24-Mar-10	<0.1	1.38
			13-May-10	<0.1	1.2
			22-Jul-10	<0.1	1.09
			29-Sep-10	<0.1	0.32
			17-Nov-10	0.43	0.82
			02-Feb-11	<0.1	0.78
			28-Mar-11	<0.1	1.11
			25-May-11	<0.1	1.07
Greenup	341	Pb	25-Jul-06	<0.1	0.37
			12-Sep-06	<0.1	0.6
			28-Nov-06	<0.1	0.61
			30-Jan-07	<0.1	0.79
			15-Mar-07	<0.1	1.43
			09-May-07	<0.1	
			26-Jul-07	<0.1	0.28
			13-Sep-07	<0.1	0.38
			29-Nov-07	<0.1	1.81
			29-Jan-08	<0.1	0.71
			20-Mar-08	<0.1	2.64
			29-May-08	<0.1	0.59
			21-Jul-08	<0.1	0.37
			25-Sep-08	<0.1	0.37
			15-Nov-08	<0.1	1.28
			22-Jan-09	<0.1	0.64
			09-Mar-09	<0.1	0.48
			28-May-09	0.1	1.45
			15-Jul-09	<0.1	0.48
			28-Sep-09	<0.1	0.35
			09-Nov-09	<0.1	0.39
			13-Jan-10	<0.1	0.45
			24-Mar-10	<0.1	2.19
			19-May-10	<0.1	4.21
			29-Jul-10	<0.1	0.3
			27-Sep-10	<0.1	0.33
			18-Nov-10	<0.1	0.28
			10-Jan-11	<0.1	1.05
			08-Mar-11	<0.1	5.28
			11-May-11	<0.1	7.51

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Pb	12-Jul-06	<0.1	0.31
			12-Sep-06	<0.1	0.95
			28-Nov-06	<0.1	0.72
			30-Jan-07	<0.1	0.73
			15-Mar-07	<0.1	1.51
			09-May-07	<0.1	1.29
			25-Jul-07	<0.1	0.75
			13-Sep-07	<0.1	0.3
			29-Nov-07	<0.1	1.39
			28-Jan-08	<0.1	0.49
			26-Mar-08	<0.1	3.86
			29-May-08	<0.1	0.51
			21-Jul-08	<0.1	0.28
			25-Sep-08	<0.1	0.16
			15-Nov-08	<0.1	0.61
			22-Jan-09	<0.1	0.63
			09-Mar-09	<0.1	0.43
			28-May-09	<0.1	0.48
			29-Jul-09	<0.1	1.09
			28-Sep-09	<0.1	0.84
			04-Nov-09	<0.1	0.77
			13-Jan-10	<0.1	0.34
			24-Mar-10	<0.1	2.17
			19-May-10	<0.1	2.31
			29-Jul-10	0.12	1.5
			27-Sep-10	<0.1	0.3
			23-Nov-10	<0.1	0.44
			10-Jan-11	<0.1	2.39
			08-Mar-11	<0.1	6.65
			11-May-11	<0.1	1.92
Anderson Ferry	477.5	Pb	12-Jul-06	<0.1	0.49
			11-Sep-06	<0.1	0.69
			09-Nov-06	<0.1	1.7
			24-Jan-07	<0.1	18.96
			27-Mar-07	<0.1	4.04
			08-May-07	<0.1	1.21
			24-Jul-07	<0.1	0.33
			18-Sep-07	<0.1	0.39
			28-Nov-07	<0.1	0.86
			09-Jan-08	<0.1	1.7
			24-Mar-08	<0.1	4.67
			13-May-08	0.13	3.63
			17-Jul-08	<0.1	1.13
			23-Sep-08	<0.1	0.41
			19-Nov-08	<0.1	0.14
			14-Jan-09	<0.1	2.52
			09-Mar-09	<0.1	0.82
			28-May-09	0.11	0.97
			29-Jul-09	<0.1	0.8
			21-Sep-09	<0.1	2.02
			03-Nov-09	<0.1	1.5
			12-Jan-10	<0.1	2.89
			23-Mar-10	<0.1	3.36
			20-May-10	<0.1	2.46
			13-Jul-10	<0.1	0.47
			20-Sep-10	<0.1	0.26
			19-Nov-10	<0.1	0.38
			18-Jan-11	<0.1	0.49
			08-Mar-11	<0.1	5.2
			24-May-11	<0.1	2.46
Markland	531.5	Pb	13-Jul-06	<0.1	0.34
			13-Sep-06	<0.1	1.23
			09-Nov-06	<0.1	1.07
			24-Jan-07	<0.1	3.1
			27-Mar-07	0.13	3.9
			22-May-07	<0.1	0.38
			25-Jul-07	<0.1	0.2
			18-Sep-07	<0.1	0.26
			28-Nov-07	<0.1	0.69
			09-Jan-08	<0.1	1.08
			24-Mar-08	<0.1	5.74
			13-May-08	<0.1	2.47
			21-Jul-08	<0.1	0.49
			24-Sep-08	<0.1	0.16
			19-Nov-08	<0.1	0.52
			02-Feb-09	<0.1	2.12
			09-Mar-09	<0.1	0.92
			28-May-09	<0.1	0.61
			16-Jul-09	<0.1	0.18
			22-Sep-09	<0.1	0.38
			18-Nov-09	<0.1	0.4
			12-Jan-10	<0.1	2.38
			23-Mar-10	0.11	2.78
			26-May-10	<0.1	1.23
			14-Jul-10	<0.1	0.55
			20-Sep-10	<0.1	0.31
			19-Nov-10	<0.1	0.29
			18-Jan-11	<0.1	0.39
			08-Mar-11	0.17	7.31
			24-May-11	<0.1	2.44

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Pb	12-Jul-06	<0.1	0.41
			20-Sep-06	<0.1	0.99
			15-Nov-06	<0.1	1.12
			31-Jan-07	<0.1	1.04
			22-Mar-07	0.14	9.28
			22-May-07	<0.1	3.22
			24-Jul-07	<0.1	0.33
			18-Sep-07	<0.1	0.36
			26-Nov-07	<0.1	0.32
			15-Jan-08	<0.1	1.95
			20-Mar-08	<0.1	7.41
			20-May-08	<0.1	1.33
			14-Jul-08	<0.1	5.37
			24-Sep-08	<0.1	0.14
			19-Nov-08	<0.1	1.45
			22-Jan-09	<0.1	0.83
			12-Mar-09	0.18	0.88
			28-May-09	0.12	1.42
			16-Jul-09	<0.1	0.77
			23-Sep-09	<0.1	0.32
			18-Nov-09	<0.1	0.4
			26-Jan-10	<0.1	3.56
			16-Mar-10	<0.1	2.21
			20-May-10	<0.1	1.91
			22-Jul-10	0.11	0.75
			16-Sep-10	<0.1	0.45
			17-Nov-10	<0.1	0.38
			26-Jan-11	<0.1	1.67
			28-Mar-11	<0.1	6.94
			18-May-11	<0.1	7.8
McAlpine	606.8	Pb	20-May-10	<0.1	3.25
			22-Jul-10	<0.1	1.14
			16-Sep-10	<0.1	0.5
			17-Nov-10	0.47	0.21
			26-Jan-11	0.11	0.6
			28-Mar-11	<0.1	2.68
			18-May-11	<0.1	3.96
West Point	625.9	Pb	12-Jul-06	<0.1	0.64
			20-Sep-06	<0.1	1.08
			15-Nov-06	<0.1	1.91
			19-Jan-07	<0.1	2.82
			22-Mar-07	<0.1	8.94
			22-May-07	0.12	0.96
			25-Jul-07	<0.1	0.29
			18-Sep-07	<0.1	0.33
			26-Nov-07	<0.1	0.76
			15-Jan-08	<0.1	3.95
			20-Mar-08	<0.1	6.62
			20-May-08	<0.1	23.23
			14-Jul-08	<0.1	22.23
			24-Sep-08	<0.1	0.17
			19-Nov-08	<0.1	0.86
			22-Jan-09	<0.1	1.92
			12-Mar-09	<0.1	1.51
			28-May-09	<0.1	3.03
			16-Jul-09	<0.1	0.71
			09-Sep-09	<0.1	0.58
			18-Nov-09	<0.1	1.65
			26-Jan-10	<0.1	3.43
			16-Mar-10	<0.1	6.3
			20-May-10	<0.1	6.97
			22-Jul-10	<0.1	1.43
			16-Sep-10	<0.1	0.3
			17-Nov-10	0.11	0.3
			26-Jan-11	<0.1	0.7
			28-Mar-11	<0.1	2.47
			18-May-11	<0.1	3.99
Cannelton	720.7	Pb	27-Jul-06	<0.1	0.36
			14-Sep-06	<0.1	0.85
			01-Nov-06	<0.1	7.62
			31-Jan-07	<0.1	1.49
			22-Mar-07	<0.1	9.93
			08-May-07	<0.1	0.69
			24-Jul-07	<0.1	0.18
			19-Sep-07	<0.1	0.27
			27-Nov-07	<0.1	0.42
			23-Jan-08	<0.1	1.15
			18-Mar-08	<0.1	3
			21-May-08	<0.1	3.25
			23-Jul-08	<0.1	0.42
			18-Sep-08	<0.1	0.29
			18-Nov-08	<0.1	0.26
			03-Feb-09	<0.1	2.84
			10-Mar-09	<0.1	1.75
			21-May-09	<0.1	1.73
			22-Jul-09	<0.1	0.54
			23-Sep-09	<0.1	0.35
			18-Nov-09	<0.1	0.38
			12-Jan-10	<0.1	0.51
			24-Mar-10	<0.1	4.34
			11-May-10	<0.1	1.47
			13-Jul-10	<0.1	0.27
			07-Sep-10	<0.1	0.27
			02-Nov-10	<0.1	0.39
			26-Jan-11	<0.1	0.38
			30-Mar-11	<0.1	2.61
			24-May-11	<0.1	5.97

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Pb	12-Jul-06	<0.1	0.85
			20-Sep-06	<0.1	0.7
			15-Nov-06	<0.1	1.52
			31-Jan-07	<0.1	3.17
			22-Mar-07	<0.1	5.98
			22-May-07	<0.1	0.93
			24-Jul-07	<0.1	0.12
			19-Sep-07	<0.1	0.19
			27-Nov-07	<0.1	0.49
			23-Jan-08	<0.1	5.24
			25-Mar-08	<0.1	
			21-May-08	<0.1	3.78
			15-Jul-08	<0.1	0.27
			29-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	0.68
			03-Feb-09	<0.1	3.98
			10-Mar-09	<0.1	1
			20-May-09	<0.1	2.05
			22-Jul-09	<0.1	0.54
			15-Sep-09	<0.1	0.16
			02-Nov-09	<0.1	2.57
			12-Jan-10	<0.1	0.72
			24-Mar-10	<0.1	2.61
			11-May-10	<0.1	2.2
			13-Jul-10	<0.1	0.19
			07-Sep-10	<0.1	0.37
			02-Nov-10	<0.1	0.3
			26-Jan-11	<0.1	0.74
			01-Mar-11	<0.1	7.25
			24-May-11	<0.1	2.56
J.T. Myers	846	Pb	11-Jul-06	<0.1	0.84
			19-Sep-06	<0.1	0.85
			15-Nov-06	<0.1	2.96
			30-Jan-07	<0.1	4.81
			22-Mar-07	<0.1	6.15
			21-May-07	<0.1	0.78
			25-Jul-07	<0.1	0.24
			20-Sep-07	<0.1	0.33
			28-Nov-07	<0.1	1.07
			24-Jan-08	<0.1	2.23
			18-Mar-08	<0.1	3.1
			21-May-08	<0.1	4.49
			22-Jul-08	<0.1	0.19
			17-Sep-08	<0.1	0.32
			17-Nov-08	<0.1	0.41
			02-Feb-09	<0.1	6.64
			10-Mar-09	<0.1	1.36
			19-May-09	<0.1	3.73
			21-Jul-09	<0.1	0.31
			15-Sep-09	<0.1	0.38
			02-Nov-09	<0.1	2.66
			13-Jan-10	<0.1	0.61
			25-Mar-10	<0.1	4.86
			12-May-10	<0.1	3.08
			14-Jul-10	<0.1	0.25
			08-Sep-10	<0.1	0.34
			03-Nov-10	<0.1	0.27
			26-Jan-11	<0.1	0.53
			01-Mar-11	<0.1	13.78
			23-May-11	<0.1	6.53
Smithland	918.5	Pb	11-Jul-06	<0.1	0.42
			19-Sep-06	<0.1	0.69
			14-Nov-06	<0.1	1.26
			30-Jan-07	<0.1	3.05
			21-Mar-07	<0.1	4.56
			21-May-07	0.11	0.23
			25-Jul-07	<0.1	0.45
			20-Sep-07	<0.1	0.14
			28-Nov-07	<0.1	0.35
			24-Jan-08	<0.1	2.28
			17-Mar-08	<0.1	2.64
			22-May-08	<0.1	4.64
			22-Jul-08	<0.1	0.48
			30-Sep-08	<0.1	0.15
			17-Nov-08	<0.1	0.14
			02-Feb-09	<0.1	4.42
			10-Mar-09	<0.1	1.55
			19-May-09	<0.1	2.97
			21-Jul-09	<0.1	0.2
			16-Sep-09	<0.1	0.5
			02-Nov-09	<0.1	1.79
			13-Jan-10	<0.1	1.29
			25-Mar-10	0.11	3.78
			13-May-10	<0.1	3.27
			15-Jul-10	<0.1	0.35
			09-Sep-10	<0.1	0.41
			03-Nov-10	<0.1	0.3
			27-Jan-11	<0.1	0.46
			29-Mar-11	<0.1	2.67
			23-May-11	<0.1	3.09

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Pb	11-Jul-06	<0.1	1.29
			19-Sep-06	<0.1	7.24
			14-Nov-06	<0.1	2.5
			30-Jan-07	<0.1	4.77
			21-Mar-07	<0.1	5.22
			21-May-07	<0.1	0.42
			25-Jul-07	<0.1	0.46
			20-Sep-07	<0.1	0.22
			28-Nov-07	<0.1	1.42
			24-Jan-08	<0.1	4.26
			17-Mar-08	<0.1	2.64
			22-May-08	<0.1	10.48
			21-Jul-08	<0.1	0.45
			16-Sep-08	<0.1	0.55
			17-Nov-08	<0.1	0.45
			02-Feb-09	<0.1	5.97
			11-Mar-09	<0.1	3.63
			19-May-09	<0.1	2.41
			21-Jul-09	<0.1	0.53
			16-Sep-09	<0.1	0.38
			03-Nov-09	<0.1	2.37
			12-Jan-10	<0.1	1.37
			25-Mar-10	<0.1	3.47
			12-May-10	<0.1	2.28
			14-Jul-10	<0.1	0.64
			08-Sep-10	<0.1	0.52
			03-Nov-10	<0.1	0.45
			27-Jan-11	<0.1	0.65
			16-Mar-11	<0.1	1.7
			23-May-11	<0.1	4.11
New Cumberland	54.4	Sb	13-Jul-06	<0.5	<0.5
			14-Sep-06	<0.5	<0.5
			01-Nov-06	<0.5	<0.5
			12-Jan-07	<0.5	<0.5
			12-Mar-07	<0.5	<0.5
			07-May-07	<0.5	<0.5
			10-Jul-07	<0.5	<0.5
			17-Sep-07	<0.5	<0.5
			05-Nov-07	<0.5	<0.5
			08-Jan-08	<0.5	<0.5
			18-Mar-08	<0.5	<0.5
			28-May-08	<0.5	<0.5
			16-Jul-08	<0.5	<0.5
			24-Sep-08	<0.5	<0.5
			12-Nov-08	<0.5	<0.5
			09-Feb-09	<0.5	<0.5
			16-Mar-09	<0.5	<0.5
			18-May-09	<0.5	<0.5
			15-Jul-09	<0.5	<0.5
			08-Sep-09	<0.5	<0.5
			16-Nov-09	<0.5	<0.5
			18-Jan-10	<0.5	<0.5
			17-Mar-10	<0.5	<0.5
			12-May-10	<0.5	<0.5
			20-Jul-10	<0.5	<0.5
			23-Sep-10	<0.5	<0.5
			02-Nov-10	<0.5	<0.5
			18-Jan-11	<0.5	<0.5
			21-Mar-11	<0.5	<0.5
			26-May-11	<0.5	<0.5
Pike Island	84.2	Sb	13-Jul-06	<0.5	<0.5
			14-Sep-06	<0.5	<0.5
			01-Nov-06	<0.5	<0.5
			12-Jan-07	<0.5	<0.5
			12-Mar-07	<0.5	<0.5
			07-May-07	<0.5	<0.5
			10-Jul-07	<0.5	<0.5
			17-Sep-07	<0.5	<0.5
			05-Nov-07	<0.5	<0.5
			08-Jan-08	<0.5	<0.5
			18-Mar-08	<0.5	<0.5
			28-May-08	<0.5	<0.5
			16-Jul-08	<0.5	<0.5
			24-Sep-08	<0.5	<0.5
			12-Nov-08	<0.5	<0.5
			09-Feb-09	<0.5	<0.5
			16-Mar-09	<0.5	<0.5
			18-May-09	<0.5	<0.5
			15-Jul-09	<0.5	<0.5
			08-Sep-09	<0.5	<0.5
			16-Nov-09	<0.5	<0.5
			18-Jan-10	<0.5	<0.5
			17-Mar-10	<0.5	<0.5
			12-May-10	<0.5	<0.5
			20-Jul-10	<0.5	<0.5
			23-Sep-10	<0.5	<0.5
			02-Nov-10	<0.5	<0.5
			18-Jan-11	<0.5	<0.5
			21-Mar-11	<0.5	<0.5
			26-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	Sb	18-Jul-06	<0.5	<0.5
			06-Sep-06	<0.5	<0.5
			07-Nov-06	<0.5	<0.5
			02-Jan-07	<0.5	<0.5
			13-Mar-07	<0.5	<0.5
			10-May-07	<0.5	<0.5
			12-Jul-07	<0.5	<0.5
			24-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			09-Jan-08	<0.5	<0.5
			26-Mar-08	<0.5	<0.5
			15-May-08	<0.5	<0.5
			17-Jul-08	<0.5	<0.5
			17-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			10-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			19-May-09	<0.5	<0.5
			22-Jul-09	<0.5	<0.5
			15-Sep-09	<0.5	<0.5
			12-Nov-09	<0.5	<0.5
			20-Jan-10	<0.5	<0.5
			18-Mar-10	<0.5	<0.5
			19-May-10	<0.5	<0.5
			21-Jul-10	<0.5	<0.5
			14-Sep-10	<0.5	<0.5
			08-Nov-10	<0.5	<0.5
			25-Jan-11	<0.5	<0.5
			29-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5
Willow Island	161.8	Sb	18-Jul-06	<0.5	<0.5
			06-Sep-06	<0.5	<0.5
			07-Nov-06	<0.5	<0.5
			02-Jan-07	<0.5	<0.5
			13-Mar-07	<0.5	<0.5
			10-May-07	<0.5	<0.5
			12-Jul-07	<0.5	<0.5
			24-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			09-Jan-08	<0.5	<0.5
			26-Mar-08	<0.5	<0.5
			15-May-08	<0.5	<0.5
			17-Jul-08	<0.5	<0.5
			08-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			10-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			19-May-09	<0.5	<0.5
			22-Jul-09	<0.5	<0.5
			15-Sep-09	<0.5	<0.5
			12-Nov-09	<0.5	<0.5
			20-Jan-10	<0.5	<0.5
			18-Mar-10	<0.5	<0.5
			19-May-10	<0.5	<0.5
			27-Jul-10	<0.5	<0.5
			27-Sep-10	<0.5	<0.5
			08-Nov-10	<0.5	<0.5
			25-Jan-11	<0.5	<0.5
			22-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5
Belleville	203.9	Sb	12-Jul-06	<0.5	<0.5
			19-Sep-06	<0.5	<0.5
			24-Nov-06	<0.5	<0.5
			04-Jan-07	<0.5	<0.5
			15-Mar-07	<0.5	<0.5
			09-May-07	<0.5	<0.5
			17-Jul-07	<0.5	<0.5
			19-Sep-07	<0.5	<0.5
			08-Nov-07	<0.5	<0.5
			07-Jan-08	<0.5	<0.5
			13-Mar-08	<0.5	<0.5
			19-May-08	<0.5	<0.5
			23-Jul-08	<0.5	<0.5
			08-Sep-08	<0.5	<0.5
			13-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	
			09-Mar-09	<0.5	<0.5
			13-May-09	<0.5	<0.5
			13-Jul-09	<0.5	<0.5
			09-Sep-09	0.67	0.76
			09-Nov-09	<0.5	<0.5
			19-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			13-May-10	<0.5	<0.5
			22-Jul-10	<0.5	<0.5
			29-Sep-10	<0.5	<0.5
			17-Nov-10	<0.5	<0.5
			02-Feb-11	<0.5	<0.5
			28-Mar-11	<0.5	<0.5
			25-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	Sb	12-Jul-06	<0.5	<0.5
			19-Sep-06	<0.5	<0.5
			24-Nov-06	<0.5	<0.5
			04-Jan-07	<0.5	<0.5
			15-Mar-07	<0.5	<0.5
			09-May-07	<0.5	<0.5
			17-Jul-07	<0.5	<0.5
			19-Sep-07	<0.5	<0.5
			08-Nov-07	<0.5	<0.5
			07-Jan-08	<0.5	<0.5
			13-Mar-08	<0.5	<0.5
			19-May-08	<0.5	<0.5
			23-Jul-08	<0.5	<0.5
			17-Sep-08	<0.5	<0.5
			13-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	<0.5
			09-Mar-09	<0.5	<0.5
			13-May-09	<0.5	<0.5
			13-Jul-09	<0.5	<0.5
			09-Sep-09	<0.5	<0.5
			09-Nov-09	<0.5	<0.5
			19-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			13-May-10	<0.5	<0.5
			22-Jul-10	<0.5	<0.5
			29-Sep-10	<0.5	<0.5
			17-Nov-10	<0.5	<0.5
			02-Feb-11	<0.5	<0.5
			28-Mar-11	<0.5	<0.5
			25-May-11	<0.5	<0.5
Greenup	341	Sb	25-Jul-06	<0.5	<0.5
			12-Sep-06	<0.5	<0.5
			28-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			15-Mar-07	<0.5	<0.5
			09-May-07	<0.5	
			26-Jul-07	<0.5	<0.5
			13-Sep-07	<0.5	<0.5
			29-Nov-07	<0.5	<0.5
			29-Jan-08	<0.5	<0.5
			20-Mar-08	<0.5	<0.5
			29-May-08	<0.5	<0.5
			21-Jul-08	<0.5	<0.5
			25-Sep-08	<0.5	<0.5
			15-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	<0.5
			09-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			15-Jul-09	<0.5	<0.5
			28-Sep-09	<0.5	<0.5
			09-Nov-09	<0.5	<0.5
			13-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			19-May-10	<0.5	<0.5
			29-Jul-10	<0.5	<0.5
			27-Sep-10	<0.5	<0.5
			18-Nov-10	<0.5	<0.5
			10-Jan-11	<0.5	<0.5
			08-Mar-11	<0.5	<0.5
			11-May-11	<0.5	<0.5
Meldahl	436.2	Sb	12-Jul-06	<0.5	<0.5
			12-Sep-06	<0.5	<0.5
			28-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			15-Mar-07	<0.5	<0.5
			09-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			13-Sep-07	<0.5	<0.5
			29-Nov-07	<0.5	<0.5
			28-Jan-08	<0.5	<0.5
			26-Mar-08	<0.5	<0.5
			29-May-08	<0.5	<0.5
			21-Jul-08	<0.5	<0.5
			25-Sep-08	<0.5	<0.5
			15-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	<0.5
			09-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			29-Jul-09	<0.5	<0.5
			28-Sep-09	<0.5	<0.5
			04-Nov-09	<0.5	<0.5
			13-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			19-May-10	<0.5	<0.5
			29-Jul-10	<0.5	<0.5
			27-Sep-10	<0.5	<0.5
			23-Nov-10	<0.5	<0.5
			10-Jan-11	<0.5	<0.5
			08-Mar-11	<0.5	<0.5
			11-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	Sb	12-Jul-06	<0.5	<0.5
			11-Sep-06	<0.5	<0.5
			09-Nov-06	<0.5	<0.5
			24-Jan-07	<0.5	<0.5
			27-Mar-07	<0.5	<0.5
			08-May-07	<0.5	<0.5
			24-Jul-07	<0.5	<0.5
			18-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			09-Jan-08	<0.5	<0.5
			24-Mar-08	<0.5	<0.5
			13-May-08	<0.5	<0.5
			17-Jul-08	<0.5	<0.5
			23-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			14-Jan-09	<0.5	<0.5
			09-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			29-Jul-09	<0.5	<0.5
			21-Sep-09	<0.5	<0.5
			03-Nov-09	<0.5	<0.5
			12-Jan-10	<0.5	<0.5
			23-Mar-10	<0.5	<0.5
			20-May-10	<0.5	<0.5
			13-Jul-10	<0.5	<0.5
			20-Sep-10	<0.5	<0.5
			19-Nov-10	<0.5	<0.5
			18-Jan-11	<0.5	<0.5
			08-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5
Markland	531.5	Sb	13-Jul-06	<0.5	<0.5
			13-Sep-06	<0.5	<0.5
			09-Nov-06	<0.5	<0.5
			24-Jan-07	<0.5	<0.5
			27-Mar-07	<0.5	<0.5
			22-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			18-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			09-Jan-08	<0.5	<0.5
			24-Mar-08	<0.5	<0.5
			13-May-08	<0.5	<0.5
			21-Jul-08	<0.5	<0.5
			24-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			02-Feb-09	<0.5	<0.5
			09-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			16-Jul-09	<0.5	<0.5
			22-Sep-09	<0.5	<0.5
			18-Nov-09	<0.5	<0.5
			12-Jan-10	<0.5	<0.5
			23-Mar-10	<0.5	<0.5
			26-May-10	<0.5	<0.5
			14-Jul-10	<0.5	<0.5
			20-Sep-10	<0.5	<0.5
			19-Nov-10	<0.5	<0.5
			18-Jan-11	<0.5	<0.5
			08-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5
Louisville	600.6	Sb	12-Jul-06	<0.5	<0.5
			20-Sep-06	<0.5	<0.5
			15-Nov-06	<0.5	<0.5
			31-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	<0.5
			22-May-07	<0.5	<0.5
			24-Jul-07	<0.5	<0.5
			18-Sep-07	<0.5	<0.5
			26-Nov-07	<0.5	<0.5
			15-Jan-08	<0.5	<0.5
			20-Mar-08	<0.5	<0.5
			20-May-08	<0.5	<0.5
			14-Jul-08	<0.5	<0.5
			24-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	<0.5
			12-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			16-Jul-09	<0.5	<0.5
			23-Sep-09	<0.5	<0.5
			18-Nov-09	<0.5	<0.5
			26-Jan-10	<0.5	<0.5
			16-Mar-10	<0.5	<0.5
			20-May-10	<0.5	<0.5
			22-Jul-10	<0.5	<0.5
			16-Sep-10	<0.5	<0.5
			17-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			28-Mar-11	<0.5	<0.5
			18-May-11	<0.5	<0.5
McAlpine	606.8	Sb	20-May-10	<0.5	<0.5
			22-Jul-10	<0.5	<0.5
			16-Sep-10	<0.5	<0.5
			17-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			28-Mar-11	<0.5	<0.5
			18-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
West Point	625.9	Sb	12-Jul-06	<0.5	<0.5
			20-Sep-06	<0.5	<0.5
			15-Nov-06	<0.5	<0.5
			19-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	<0.5
			22-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			18-Sep-07	<0.5	<0.5
			26-Nov-07	<0.5	<0.5
			15-Jan-08	<0.5	<0.5
			20-Mar-08	<0.5	<0.5
			20-May-08	<0.5	<0.5
			14-Jul-08	<0.5	<0.5
			24-Sep-08	<0.5	<0.5
			19-Nov-08	<0.5	<0.5
			22-Jan-09	<0.5	<0.5
			12-Mar-09	<0.5	<0.5
			28-May-09	<0.5	<0.5
			16-Jul-09	<0.5	<0.5
			09-Sep-09	<0.5	<0.5
			18-Nov-09	<0.5	<0.5
			26-Jan-10	<0.5	<0.5
			16-Mar-10	<0.5	<0.5
			20-May-10	<0.5	<0.5
			22-Jul-10	<0.5	<0.5
			16-Sep-10	<0.5	0.5
			17-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			28-Mar-11	<0.5	<0.5
			18-May-11	<0.5	<0.5
Cannelton	720.7	Sb	27-Jul-06	<0.5	<0.5
			14-Sep-06	<0.5	<0.5
			01-Nov-06	<0.5	<0.5
			31-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	<0.5
			08-May-07	<0.5	<0.5
			24-Jul-07	<0.5	<0.5
			19-Sep-07	<0.5	<0.5
			27-Nov-07	<0.5	<0.5
			23-Jan-08	<0.5	<0.5
			18-Mar-08	<0.5	<0.5
			21-May-08	<0.5	<0.5
			23-Jul-08	<0.5	<0.5
			18-Sep-08	<0.5	<0.5
			18-Nov-08	<0.5	<0.5
			03-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			21-May-09	<0.5	<0.5
			22-Jul-09	<0.5	<0.5
			23-Sep-09	<0.5	<0.5
			18-Nov-09	<0.5	<0.5
			12-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			11-May-10	<0.5	<0.5
			13-Jul-10	<0.5	<0.5
			07-Sep-10	<0.5	<0.5
			02-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			30-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5
Newburgh	776	Sb	12-Jul-06	<0.5	<0.5
			20-Sep-06	<0.5	<0.5
			15-Nov-06	<0.5	<0.5
			31-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	<0.5
			22-May-07	<0.5	<0.5
			24-Jul-07	<0.5	<0.5
			19-Sep-07	<0.5	<0.5
			27-Nov-07	<0.5	<0.5
			23-Jan-08	<0.5	<0.5
			25-Mar-08	<0.5	
			21-May-08	<0.5	<0.5
			15-Jul-08	<0.5	<0.5
			29-Sep-08	<0.5	<0.5
			18-Nov-08	<0.5	<0.5
			03-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			20-May-09	<0.5	<0.5
			22-Jul-09	<0.5	<0.5
			15-Sep-09	<0.5	<0.5
			02-Nov-09	<0.5	<0.5
			12-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			11-May-10	<0.5	<0.5
			13-Jul-10	<0.5	<0.5
			07-Sep-10	<0.5	<0.5
			02-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			01-Mar-11	<0.5	<0.5
			24-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	Sb	11-Jul-06	<0.5	<0.5
			19-Sep-06	<0.5	<0.5
			15-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	<0.5
			21-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			20-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			24-Jan-08	<0.5	<0.5
			18-Mar-08	<0.5	<0.5
			21-May-08	<0.5	<0.5
			22-Jul-08	<0.5	<0.5
			17-Sep-08	<0.5	<0.5
			17-Nov-08	<0.5	<0.5
			02-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			19-May-09	<0.5	<0.5
			21-Jul-09	<0.5	<0.5
			15-Sep-09	<0.5	<0.5
			02-Nov-09	<0.5	<0.5
			13-Jan-10	<0.5	<0.5
			25-Mar-10	<0.5	<0.5
			12-May-10	<0.5	<0.5
			14-Jul-10	<0.5	<0.5
			08-Sep-10	<0.5	<0.5
			03-Nov-10	<0.5	<0.5
			26-Jan-11	<0.5	<0.5
			01-Mar-11	<0.5	<0.5
			23-May-11	<0.5	<0.5
Smithland	918.5	Sb	11-Jul-06	<0.5	<0.5
			19-Sep-06	<0.5	<0.5
			14-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			21-Mar-07	<0.5	<0.5
			21-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			20-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			24-Jan-08	<0.5	<0.5
			17-Mar-08	<0.5	<0.5
			22-May-08	<0.5	<0.5
			22-Jul-08	<0.5	<0.5
			30-Sep-08	<0.5	<0.5
			17-Nov-08	<0.5	<0.5
			02-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	<0.5
			19-May-09	<0.5	<0.5
			21-Jul-09	<0.5	<0.5
			16-Sep-09	<0.5	<0.5
			02-Nov-09	<0.5	<0.5
			13-Jan-10	<0.5	<0.5
			25-Mar-10	<0.5	<0.5
			13-May-10	<0.5	<0.5
			15-Jul-10	<0.5	<0.5
			09-Sep-10	<0.5	<0.5
			03-Nov-10	<0.5	<0.5
			27-Jan-11	<0.5	<0.5
			29-Mar-11	<0.5	<0.5
			23-May-11	<0.5	<0.5
L&D 52	938.9	Sb	11-Jul-06	<0.5	<0.5
			19-Sep-06	<0.5	<0.5
			14-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			21-Mar-07	<0.5	<0.5
			21-May-07	<0.5	<0.5
			25-Jul-07	<0.5	<0.5
			20-Sep-07	<0.5	<0.5
			28-Nov-07	<0.5	<0.5
			24-Jan-08	<0.5	<0.5
			17-Mar-08	<0.5	<0.5
			22-May-08	<0.5	<0.5
			21-Jul-08	<0.5	<0.5
			16-Sep-08	<0.5	<0.5
			17-Nov-08	<0.5	<0.5
			02-Feb-09	<0.5	<0.5
			11-Mar-09	<0.5	<0.5
			19-May-09	<0.5	<0.5
			21-Jul-09	<0.5	<0.5
			16-Sep-09	<0.5	<0.5
			03-Nov-09	<0.5	<0.5
			12-Jan-10	<0.5	<0.5
			25-Mar-10	<0.5	<0.5
			12-May-10	<0.5	<0.5
			14-Jul-10	<0.5	<0.5
			08-Sep-10	<0.5	<0.5
			03-Nov-10	<0.5	<0.5
			27-Jan-11	<0.5	<0.5
			16-Mar-11	<0.5	<0.5
			23-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
New Cumberland	54.4	Se	13-Jul-06	0.53	0.63
			14-Sep-06	0.53	0.53
			01-Nov-06	<0.5	0.53
			12-Jan-07	<0.5	<0.5
			12-Mar-07	<0.5	0.59
			07-May-07	<0.5	<0.5
			10-Jul-07	0.89	0.77
			17-Sep-07	0.74	0.77
			05-Nov-07	0.69	0.77
			08-Jan-08	<0.5	0.61
			18-Mar-08	<0.5	<0.5
			28-May-08	<0.5	<0.5
			16-Jul-08	<0.5	0.67
			24-Sep-08	0.8	0.8
			12-Nov-08	0.97	1.21
			09-Feb-09	<0.5	<0.5
			16-Mar-09	<0.5	<0.5
			18-May-09	<0.5	0.53
			15-Jul-09	0.92	<0.5
			08-Sep-09	<0.5	0.55
			16-Nov-09	<0.5	<0.5
			18-Jan-10	<0.5	0.58
			17-Mar-10	<0.5	<0.5
			12-May-10	<0.5	0.75
			20-Jul-10	0.87	0.93
			23-Sep-10	1.23	1.56
			02-Nov-10	1.07	1.15
			18-Jan-11	<0.5	0.67
			21-Mar-11	<0.5	0.56
			26-May-11	0.59	0.57
Pike Island	84.2	Se	13-Jul-06	<0.5	<0.5
			14-Sep-06	0.59	0.61
			01-Nov-06	0.58	<0.5
			12-Jan-07	<0.5	<0.5
			12-Mar-07	0.69	<0.5
			07-May-07	<0.5	<0.5
			10-Jul-07	0.81	0.85
			17-Sep-07	0.75	0.63
			05-Nov-07	1.1	1.11
			08-Jan-08	<0.5	0.89
			18-Mar-08	0.85	0.65
			28-May-08	<0.5	<0.5
			16-Jul-08	0.63	1.05
			24-Sep-08	1.03	1.8
			12-Nov-08	1.04	1.23
			09-Feb-09	0.6	<0.5
			16-Mar-09	<0.5	<0.5
			18-May-09	<0.5	0.57
			15-Jul-09	0.75	0.59
			08-Sep-09	0.79	0.71
			16-Nov-09	<0.5	0.52
			18-Jan-10	0.53	0.65
			17-Mar-10	<0.5	<0.5
			12-May-10	<0.5	0.64
			20-Jul-10	1.13	1.04
			23-Sep-10	1.6	1.81
			02-Nov-10	0.93	1.23
			18-Jan-11	<0.5	0.7
			21-Mar-11	<0.5	0.54
			26-May-11	0.59	0.67
Hannibal	126.4	Se	18-Jul-06	0.53	0.72
			06-Sep-06	0.75	0.84
			07-Nov-06	<0.5	0.52
			02-Jan-07	0.57	0.51
			13-Mar-07	0.75	<0.5
			10-May-07	<0.5	0.6
			12-Jul-07	1.08	1.08
			24-Sep-07	0.93	0.94
			28-Nov-07	0.73	<0.5
			09-Jan-08	<0.5	0.67
			26-Mar-08	<0.5	<0.5
			15-May-08	0.56	0.78
			17-Jul-08	0.53	0.63
			17-Sep-08	1.11	1.42
			19-Nov-08	1.01	1.25
			10-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	0.72
			19-May-09	<0.5	<0.5
			22-Jul-09	1.1	0.63
			15-Sep-09	1.09	0.99
			12-Nov-09	<0.5	0.58
			20-Jan-10	0.53	0.56
			18-Mar-10	<0.5	0.52
			19-May-10	<0.5	0.77
			21-Jul-10	1.25	1.27
			14-Sep-10	1.37	1.5
			08-Nov-10	1.15	1.48
			25-Jan-11	0.56	0.89
			29-Mar-11	<0.5	0.55
			24-May-11	0.52	0.52

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Willow Island	161.8	Se	18-Jul-06	0.64	0.69
			06-Sep-06	0.96	0.9
			07-Nov-06	<0.5	0.51
			02-Jan-07	0.53	0.81
			13-Mar-07	0.56	0.69
			10-May-07	<0.5	<0.5
			12-Jul-07	0.91	0.96
			24-Sep-07	0.78	1.13
			28-Nov-07	0.89	0.98
			09-Jan-08	0.66	0.73
			26-Mar-08	<0.5	<0.5
			15-May-08	<0.5	0.91
			17-Jul-08	0.6	0.73
			08-Sep-08	0.62	0.8
			19-Nov-08	1.34	1.36
			10-Feb-09	0.53	<0.5
			10-Mar-09	<0.5	0.56
			19-May-09	<0.5	0.56
			22-Jul-09	0.86	<0.5
			15-Sep-09	<0.5	0.72
			12-Nov-09	0.61	<0.5
			20-Jan-10	0.63	<0.5
			18-Mar-10	<0.5	<0.5
			19-May-10	0.51	0.68
			27-Jul-10	1.39	1.19
			27-Sep-10	1.8	2.25
			08-Nov-10	1.13	1.38
			25-Jan-11	0.71	0.56
			22-Mar-11	0.53	0.55
			24-May-11	0.69	<0.5
Belleville	203.9	Se	12-Jul-06	0.61	0.52
			19-Sep-06	0.6	0.62
			24-Nov-06	<0.5	<0.5
			04-Jan-07	<0.5	0.58
			15-Mar-07	<0.5	0.77
			09-May-07	<0.5	0.59
			17-Jul-07	1	1.18
			19-Sep-07	0.65	0.86
			08-Nov-07	0.91	1.41
			07-Jan-08	<0.5	0.52
			13-Mar-08	<0.5	<0.5
			19-May-08	<0.5	<0.5
			23-Jul-08	0.65	0.73
			08-Sep-08	0.96	1.65
			13-Nov-08	1.35	1.39
			22-Jan-09	<0.5	
			09-Mar-09	0.52	0.64
			13-May-09	<0.5	0.51
			13-Jul-09	0.79	<0.5
			09-Sep-09	<0.5	<0.5
			09-Nov-09	<0.5	0.64
			19-Jan-10	<0.5	<0.5
			24-Mar-10	<0.5	<0.5
			13-May-10	0.64	0.73
			22-Jul-10	0.9	0.85
			29-Sep-10	1.71	1.64
			17-Nov-10	1.75	1.21
			02-Feb-11	0.57	0.83
			28-Mar-11	<0.5	0.55
			25-May-11	0.64	0.55
R.C. Byrd	279.2	Se	12-Jul-06	<0.5	0.61
			19-Sep-06	0.5	0.51
			24-Nov-06	<0.5	<0.5
			04-Jan-07	<0.5	<0.5
			15-Mar-07	0.54	<0.5
			09-May-07	<0.5	0.57
			17-Jul-07	0.81	0.78
			19-Sep-07	<0.5	0.76
			08-Nov-07	1.25	1.25
			07-Jan-08	<0.5	<0.5
			13-Mar-08	<0.5	<0.5
			19-May-08	<0.5	<0.5
			23-Jul-08	0.75	0.64
			17-Sep-08	0.75	0.96
			13-Nov-08	0.9	1.11
			22-Jan-09	0.55	<0.5
			09-Mar-09	<0.5	0.59
			13-May-09	<0.5	<0.5
			13-Jul-09	0.74	0.6
			09-Sep-09	0.66	0.91
			09-Nov-09	0.58	<0.5
			19-Jan-10	<0.5	0.61
			24-Mar-10	0.51	<0.5
			13-May-10	0.62	0.78
			22-Jul-10	0.87	0.83
			29-Sep-10	1.15	1.35
			17-Nov-10	1.74	1.18
			02-Feb-11	0.53	0.83
			28-Mar-11	<0.5	<0.5
			25-May-11	<0.5	<0.5

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Greenup	341	Se	25-Jul-06	0.55	0.86
			12-Sep-06	0.86	0.95
			28-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	0.58
			15-Mar-07	<0.5	0.53
			09-May-07	<0.5	
			26-Jul-07	0.82	0.96
			13-Sep-07	0.83	0.94
			29-Nov-07	0.55	0.7
			29-Jan-08	0.61	0.65
			20-Mar-08	<0.5	0.69
			29-May-08	0.78	0.87
			21-Jul-08	<0.5	0.63
			25-Sep-08	1.02	0.97
			15-Nov-08	1.09	1.12
			22-Jan-09	0.57	0.59
			09-Mar-09	0.6	0.79
			28-May-09	0.82	<0.5
			15-Jul-09	0.78	0.64
			28-Sep-09	0.64	0.89
			09-Nov-09	0.56	<0.5
			13-Jan-10	0.51	0.51
			24-Mar-10	0.6	<0.5
			19-May-10	<0.5	0.76
			29-Jul-10	0.84	0.76
			27-Sep-10	1.23	1.24
			18-Nov-10	1.07	1.13
			10-Jan-11	0.72	0.91
			08-Mar-11	<0.5	0.58
			11-May-11	<0.5	0.84
Meldahl	436.2	Se	12-Jul-06	0.64	0.72
			12-Sep-06	0.88	0.93
			28-Nov-06	<0.5	0.51
			30-Jan-07	<0.5	0.56
			15-Mar-07	<0.5	<0.5
			09-May-07	<0.5	<0.5
			25-Jul-07	0.85	0.9
			13-Sep-07	0.95	1.07
			29-Nov-07	0.68	1.13
			28-Jan-08	<0.5	0.77
			26-Mar-08	<0.5	<0.5
			29-May-08	<0.5	<0.5
			21-Jul-08	0.7	0.64
			25-Sep-08	1.16	1.34
			15-Nov-08	0.74	1.21
			22-Jan-09	0.51	0.54
			09-Mar-09	<0.5	0.56
			28-May-09	0.51	0.73
			29-Jul-09	0.89	1.36
			28-Sep-09	0.84	0.67
			04-Nov-09	0.54	0.72
			13-Jan-10	<0.5	0.69
			24-Mar-10	<0.5	0.54
			19-May-10	<0.5	0.66
			29-Jul-10	0.71	0.76
			27-Sep-10	1.54	1.53
			23-Nov-10	1.21	1.25
			10-Jan-11	<0.5	0.64
			08-Mar-11	<0.5	0.66
			11-May-11	<0.5	0.78
Anderson Ferry	477.5	Se	12-Jul-06	0.62	0.82
			11-Sep-06	0.65	0.97
			09-Nov-06	<0.5	<0.5
			24-Jan-07	<0.5	0.58
			27-Mar-07	<0.5	0.59
			08-May-07	0.71	0.7
			24-Jul-07	0.65	0.85
			18-Sep-07	0.96	1.05
			28-Nov-07	0.95	0.74
			09-Jan-08	0.52	0.81
			24-Mar-08	<0.5	<0.5
			13-May-08	<0.5	<0.5
			17-Jul-08	0.77	0.67
			23-Sep-08	1.03	1.66
			19-Nov-08	0.78	1.17
			14-Jan-09	<0.5	<0.5
			09-Mar-09	0.53	0.72
			28-May-09	<0.5	0.61
			29-Jul-09	0.99	0.63
			21-Sep-09	0.92	0.73
			03-Nov-09	0.64	0.76
			12-Jan-10	<0.5	0.5
			23-Mar-10	0.58	<0.5
			20-May-10	0.53	0.81
			13-Jul-10	0.77	0.75
			20-Sep-10	1.31	1.63
			19-Nov-10	1.36	1.74
			18-Jan-11	0.6	0.81
			08-Mar-11	<0.5	0.65
			24-May-11	<0.5	0.7

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Markland	531.5	Se	13-Jul-06	0.56	0.86
			13-Sep-06	0.74	0.8
			09-Nov-06	0.51	0.62
			24-Jan-07	<0.5	<0.5
			27-Mar-07	<0.5	<0.5
			22-May-07	<0.5	0.97
			25-Jul-07	0.8	0.83
			18-Sep-07	0.98	1.27
			28-Nov-07	0.77	0.92
			09-Jan-08	0.52	0.56
			24-Mar-08	<0.5	<0.5
			13-May-08	<0.5	0.58
			21-Jul-08	<0.5	0.64
			24-Sep-08	1.04	0.99
			19-Nov-08	1.5	1.17
			02-Feb-09	<0.5	0.52
			09-Mar-09	0.51	0.6
			28-May-09	<0.5	<0.5
			16-Jul-09	0.68	0.63
			22-Sep-09	0.69	0.56
			18-Nov-09	0.59	0.61
			12-Jan-10	<0.5	<0.5
			23-Mar-10	<0.5	<0.5
			26-May-10	0.57	0.54
			14-Jul-10	0.71	0.74
			20-Sep-10	1.5	1.12
			19-Nov-10	1.56	1.53
			18-Jan-11	0.8	0.58
			08-Mar-11	0.84	0.62
			24-May-11	<0.5	0.63
Louisville	600.6	Se	12-Jul-06	0.56	0.52
			20-Sep-06	0.64	0.78
			15-Nov-06	<0.5	<0.5
			31-Jan-07	<0.5	0.54
			22-Mar-07	<0.5	<0.5
			22-May-07	<0.5	0.86
			24-Jul-07	0.89	0.92
			18-Sep-07	1.16	1.16
			26-Nov-07	0.85	1.06
			15-Jan-08	0.77	0.77
			20-Mar-08	<0.5	<0.5
			20-May-08	<0.5	0.53
			14-Jul-08	0.69	0.68
			24-Sep-08	1.29	1.4
			19-Nov-08	1.08	1.41
			22-Jan-09	<0.5	<0.5
			12-Mar-09	0.64	0.71
			28-May-09	0.66	0.7
			16-Jul-09	0.73	0.51
			23-Sep-09	0.78	0.9
			18-Nov-09	0.63	0.61
			26-Jan-10	<0.5	<0.5
			16-Mar-10	0.57	<0.5
			20-May-10	0.52	0.74
			22-Jul-10	0.98	1.06
			16-Sep-10	1.36	1.73
			17-Nov-10	1.83	1.56
			26-Jan-11	0.76	1.06
			28-Mar-11	2.06	2.09
			18-May-11	0.76	1.09
McAlpine	606.8	Se	20-May-10	0.61	0.85
			22-Jul-10	0.92	1.02
			16-Sep-10	1.33	1.45
			17-Nov-10	2.19	1.55
			26-Jan-11	0.76	0.65
			28-Mar-11	0.62	0.72
			18-May-11	<0.5	0.8
West Point	625.9	Se	12-Jul-06	2.91	3.14
			20-Sep-06	1.55	1.65
			15-Nov-06	0.81	1.01
			19-Jan-07	<0.5	<0.5
			22-Mar-07	<0.5	0.83
			22-May-07	2.55	3.08
			25-Jul-07	1.49	1.52
			18-Sep-07	2.86	3.19
			26-Nov-07	2.43	2.63
			15-Jan-08	<0.5	0.65
			20-Mar-08	0.65	0.71
			20-May-08	0.63	1.06
			14-Jul-08	2.01	2.48
			24-Sep-08	2.59	2.49
			19-Nov-08	3.22	2.88
			22-Jan-09	1.69	1.59
			12-Mar-09	1.37	1.3
			28-May-09	1.61	1.58
			16-Jul-09	2.53	2.93
			09-Sep-09	2.83	3.02
			18-Nov-09	1.74	1.69
			26-Jan-10	0.63	0.65
			16-Mar-10	0.78	0.74
			20-May-10	1.37	1.52
			22-Jul-10	1.36	1.51
			16-Sep-10	5.99	6.06
			17-Nov-10	2.84	2.35
			26-Jan-11	1.91	1.71
			28-Mar-11	<0.5	0.78
			18-May-11	0.69	0.94

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Cannelton	720.7	Se	27-Jul-06	0.56	0.69
			14-Sep-06	0.81	0.89
			01-Nov-06	<0.5	0.5
			31-Jan-07	0.52	<0.5
			22-Mar-07	<0.5	<0.5
			08-May-07	<0.5	0.62
			24-Jul-07	0.96	0.91
			19-Sep-07	1.24	1.17
			27-Nov-07	1.15	0.87
			23-Jan-08	<0.5	<0.5
			18-Mar-08	<0.5	0.6
			21-May-08	<0.5	<0.5
			23-Jul-08	0.77	0.53
			18-Sep-08	1.24	1.18
			18-Nov-08	1.36	1.25
			03-Feb-09	0.61	0.52
			10-Mar-09	0.63	0.63
			21-May-09	<0.5	0.8
			22-Jul-09	0.96	0.87
			23-Sep-09	1.31	0.96
			18-Nov-09	0.68	0.72
			12-Jan-10	<0.5	0.59
			24-Mar-10	<0.5	<0.5
			11-May-10	<0.5	0.51
			13-Jul-10	0.81	0.7
			07-Sep-10	1.18	1.24
			02-Nov-10	1.67	1.69
			26-Jan-11	<0.5	1.18
			30-Mar-11	<0.5	0.74
			24-May-11	<0.5	0.98
Newburgh	776	Se	12-Jul-06	0.59	0.71
			20-Sep-06	0.67	0.96
			15-Nov-06	0.63	0.56
			31-Jan-07	<0.5	0.61
			22-Mar-07	<0.5	0.83
			22-May-07	0.6	0.72
			24-Jul-07	1	0.84
			19-Sep-07	0.89	1.17
			27-Nov-07	1.02	1.22
			23-Jan-08	0.9	1.21
			25-Mar-08	<0.5	
			21-May-08	<0.5	0.56
			15-Jul-08	0.92	0.59
			29-Sep-08	1.42	1.39
			18-Nov-08	1.49	1.19
			03-Feb-09	<0.5	<0.5
			10-Mar-09	0.54	0.62
			20-May-09	0.59	<0.5
			22-Jul-09	0.86	0.87
			15-Sep-09	1.1	0.77
			02-Nov-09	<0.5	0.71
			12-Jan-10	0.56	0.66
			24-Mar-10	<0.5	<0.5
			11-May-10	0.53	0.63
			13-Jul-10	0.86	0.82
			07-Sep-10	1.01	1.18
			02-Nov-10	1.6	2.17
			26-Jan-11	0.9	0.98
			01-Mar-11	0.54	0.75
			24-May-11	0.62	0.7
J.T. Myers	846	Se	11-Jul-06	0.66	1
			19-Sep-06	0.81	0.92
			15-Nov-06	0.63	0.59
			30-Jan-07	<0.5	0.52
			22-Mar-07	<0.5	0.63
			21-May-07	0.56	0.87
			25-Jul-07	0.87	0.9
			20-Sep-07	1.09	1.1
			28-Nov-07	0.74	1.05
			24-Jan-08	<0.5	0.52
			18-Mar-08	<0.5	0.98
			21-May-08	<0.5	0.57
			22-Jul-08	0.63	0.84
			17-Sep-08	0.87	1.38
			17-Nov-08	0.89	1.43
			02-Feb-09	<0.5	<0.5
			10-Mar-09	<0.5	0.67
			19-May-09	0.53	<0.5
			21-Jul-09	0.71	0.72
			15-Sep-09	0.61	0.69
			02-Nov-09	<0.5	0.59
			13-Jan-10	<0.5	<0.5
			25-Mar-10	0.53	<0.5
			12-May-10	<0.5	<0.5
			14-Jul-10	0.76	0.84
			08-Sep-10	0.87	1.13
			03-Nov-10	1.34	1.83
			26-Jan-11	0.68	0.77
			01-Mar-11	0.61	0.77
			23-May-11	0.67	0.61

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Smithland	918.5	Se	11-Jul-06	0.71	0.81
			19-Sep-06	0.83	0.69
			14-Nov-06	<0.5	0.52
			30-Jan-07	<0.5	<0.5
			21-Mar-07	<0.5	<0.5
			21-May-07	0.57	0.56
			25-Jul-07	1.07	0.93
			20-Sep-07	0.85	0.93
			28-Nov-07	1.07	0.87
			24-Jan-08	0.61	0.91
			17-Mar-08	<0.5	0.79
			22-May-08	<0.5	<0.5
			22-Jul-08	0.56	0.63
			30-Sep-08	1.02	1.06
			17-Nov-08	1.06	1.23
			02-Feb-09	0.53	0.54
			10-Mar-09	0.54	0.85
			19-May-09	0.53	<0.5
			21-Jul-09	0.77	0.86
			16-Sep-09	<0.5	0.63
			02-Nov-09	<0.5	<0.5
			13-Jan-10	<0.5	0.71
			25-Mar-10	0.5	0.71
			13-May-10	0.56	0.66
			15-Jul-10	0.68	0.59
			09-Sep-10	0.82	0.95
			03-Nov-10	1.7	1.59
			27-Jan-11	<0.5	0.65
			29-Mar-11	0.53	0.75
			23-May-11	0.53	0.81
L&D 52	938.9	Se	11-Jul-06	0.7	0.63
			19-Sep-06	0.8	0.87
			14-Nov-06	<0.5	<0.5
			30-Jan-07	<0.5	<0.5
			21-Mar-07	0.54	0.5
			21-May-07	0.71	0.73
			25-Jul-07	0.94	0.8
			20-Sep-07	0.76	0.66
			28-Nov-07	1.1	1.43
			24-Jan-08	0.73	0.87
			17-Mar-08	0.6	<0.5
			22-May-08	<0.5	0.98
			21-Jul-08	<0.5	0.76
			16-Sep-08	1.07	1.03
			17-Nov-08	0.77	0.95
			02-Feb-09	<0.5	0.59
			11-Mar-09	0.57	0.74
			19-May-09	<0.5	<0.5
			21-Jul-09	<0.5	0.87
			16-Sep-09	<0.5	0.54
			03-Nov-09	0.57	0.55
			12-Jan-10	<0.5	0.58
			25-Mar-10	0.56	0.66
			12-May-10	0.64	0.6
			14-Jul-10	0.57	0.57
			08-Sep-10	0.78	0.92
			03-Nov-10	1	1.36
			27-Jan-11	0.62	0.88
			16-Mar-11	<0.5	0.53
			23-May-11	0.53	0.85
New Cumberland	54.4	Tl	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	<0.1	<0.1
			17-Sep-07	0.1	0.12
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	0.11
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	<0.1
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	0.14
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	<0.1
			26-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Pike Island	84.2	Tl	13-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			12-Jan-07	<0.1	<0.1
			12-Mar-07	<0.1	<0.1
			07-May-07	<0.1	<0.1
			10-Jul-07	0.11	0.14
			17-Sep-07	0.12	<0.1
			05-Nov-07	<0.1	<0.1
			08-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	0.17
			28-May-08	<0.1	<0.1
			16-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			12-Nov-08	<0.1	<0.1
			09-Feb-09	<0.1	<0.1
			16-Mar-09	<0.1	<0.1
			18-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			08-Sep-09	<0.1	<0.1
			16-Nov-09	<0.1	<0.1
			18-Jan-10	<0.1	<0.1
			17-Mar-10	<0.1	0.1
			12-May-10	<0.1	<0.1
			20-Jul-10	<0.1	0.14
			23-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	0.11
			18-Jan-11	<0.1	<0.1
			21-Mar-11	<0.1	<0.1
			26-May-11	<0.1	<0.1
Hannibal	126.4	Tl	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			21-Jul-10	<0.1	<0.1
			14-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	<0.1
			25-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
Willow Island	161.8	Tl	18-Jul-06	<0.1	<0.1
			06-Sep-06	<0.1	<0.1
			07-Nov-06	<0.1	<0.1
			02-Jan-07	<0.1	<0.1
			13-Mar-07	<0.1	<0.1
			10-May-07	<0.1	<0.1
			12-Jul-07	<0.1	<0.1
			24-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			15-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			10-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			12-Nov-09	<0.1	<0.1
			20-Jan-10	<0.1	<0.1
			18-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			27-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			08-Nov-10	<0.1	<0.1
			25-Jan-11	<0.1	<0.1
			22-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Belleville	203.9	Tl	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	0.13
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	<0.1
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			08-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	0.12
			29-Sep-10	<0.1	<0.1
			17-Nov-10	0.39	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			25-May-11	<0.1	<0.1
R.C. Byrd	279.2	Tl	12-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			24-Nov-06	<0.1	<0.1
			04-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			17-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			08-Nov-07	<0.1	<0.1
			07-Jan-08	<0.1	<0.1
			13-Mar-08	<0.1	<0.1
			19-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			13-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			13-May-09	<0.1	<0.1
			13-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			19-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			29-Sep-10	<0.1	<0.1
			17-Nov-10	0.44	<0.1
			02-Feb-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			25-May-11	<0.1	<0.1
Greenup	341	Tl	25-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	
			26-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			29-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			15-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			09-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			29-Jul-10	<0.1	<0.1
			27-Sep-10	<0.1	<0.1
			18-Nov-10	<0.1	<0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			11-May-11	<0.1	0.11

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Meldahl	436.2	Tl	12-Jul-06	<0.1	<0.1
			12-Sep-06	<0.1	<0.1
			28-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			15-Mar-07	<0.1	<0.1
			09-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			13-Sep-07	<0.1	<0.1
			29-Nov-07	<0.1	<0.1
			28-Jan-08	<0.1	<0.1
			26-Mar-08	<0.1	<0.1
			29-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			25-Sep-08	<0.1	<0.1
			15-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			28-Sep-09	<0.1	<0.1
			04-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	<0.1
			19-May-10	<0.1	<0.1
			29-Jul-10	0.11	<0.1
			27-Sep-10	<0.1	<0.1
			23-Nov-10	<0.1	0.1
			10-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	0.11
			11-May-11	<0.1	<0.1
Anderson Ferry	477.5	Tl	12-Jul-06	<0.1	<0.1
			11-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	0.16
			27-Mar-07	<0.1	<0.1
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	<0.1
			13-May-08	<0.1	<0.1
			17-Jul-08	<0.1	<0.1
			23-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			14-Jan-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			29-Jul-09	<0.1	<0.1
			21-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			23-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1
Markland	531.5	Tl	13-Jul-06	<0.1	<0.1
			13-Sep-06	<0.1	<0.1
			09-Nov-06	<0.1	<0.1
			24-Jan-07	<0.1	<0.1
			27-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	0.11
			09-Jan-08	<0.1	<0.1
			24-Mar-08	<0.1	<0.1
			13-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			09-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			22-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			23-Mar-10	<0.1	<0.1
			26-May-10	<0.1	<0.1
			14-Jul-10	0.1	<0.1
			20-Sep-10	<0.1	<0.1
			19-Nov-10	<0.1	<0.1
			18-Jan-11	<0.1	<0.1
			08-Mar-11	<0.1	<0.1
			24-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Louisville	600.6	Tl	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	0.11	0.12
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			18-Sep-07	<0.1	<0.1
			26-Nov-07	<0.1	<0.1
			15-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	0.1
			20-May-08	<0.1	<0.1
			14-Jul-08	<0.1	<0.1
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	<0.1
			16-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	<0.1
			16-Mar-10	<0.1	<0.1
			20-May-10	<0.1	<0.1
			22-Jul-10	0.12	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	<0.1	0.15
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	0.1
			18-May-11	<0.1	0.16
McAlpine	606.8	Tl	20-May-10	<0.1	<0.1
			22-Jul-10	<0.1	<0.1
			16-Sep-10	<0.1	<0.1
			17-Nov-10	0.54	<0.1
			26-Jan-11	<0.1	<0.1
			28-Mar-11	<0.1	<0.1
			18-May-11	<0.1	<0.1
West Point	625.9	Tl	12-Jul-06	0.11	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			19-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.13
			22-May-07	0.11	<0.1
			25-Jul-07	<0.1	0.11
			18-Sep-07	<0.1	0.12
			26-Nov-07	<0.1	0.11
			15-Jan-08	<0.1	<0.1
			20-Mar-08	<0.1	<0.1
			20-May-08	<0.1	0.15
			14-Jul-08	<0.1	0.25
			24-Sep-08	<0.1	<0.1
			19-Nov-08	<0.1	<0.1
			22-Jan-09	<0.1	<0.1
			12-Mar-09	<0.1	<0.1
			28-May-09	<0.1	0.14
			16-Jul-09	<0.1	<0.1
			09-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			26-Jan-10	<0.1	<0.1
			16-Mar-10	<0.1	<0.1
			20-May-10	<0.1	0.13
			22-Jul-10	<0.1	<0.1
			16-Sep-10	0.22	0.25
			17-Nov-10	0.18	<0.1
			26-Jan-11	0.13	<0.1
			28-Mar-11	<0.1	<0.1
			18-May-11	<0.1	<0.1
Cannelton	720.7	Tl	27-Jul-06	<0.1	<0.1
			14-Sep-06	<0.1	<0.1
			01-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.16
			08-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			23-Jul-08	<0.1	<0.1
			18-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			21-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			23-Sep-09	<0.1	<0.1
			18-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			24-Mar-10	<0.1	0.1
			11-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			30-Mar-11	<0.1	<0.1
			24-May-11	<0.1	0.13

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Newburgh	776	Tl	12-Jul-06	<0.1	<0.1
			20-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			31-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	<0.1
			22-May-07	<0.1	<0.1
			24-Jul-07	<0.1	<0.1
			19-Sep-07	<0.1	<0.1
			27-Nov-07	<0.1	<0.1
			23-Jan-08	<0.1	<0.1
			25-Mar-08	<0.1	
			21-May-08	<0.1	<0.1
			15-Jul-08	<0.1	<0.1
			29-Sep-08	<0.1	<0.1
			18-Nov-08	<0.1	<0.1
			03-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			20-May-09	<0.1	<0.1
			22-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	0.1
			24-Mar-10	<0.1	0.1
			11-May-10	<0.1	<0.1
			13-Jul-10	<0.1	<0.1
			07-Sep-10	<0.1	<0.1
			02-Nov-10	<0.1	<0.1
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	0.12
			24-May-11	<0.1	<0.1
J.T. Myers	846	Tl	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			15-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			22-Mar-07	<0.1	0.14
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			18-Mar-08	<0.1	<0.1
			21-May-08	<0.1	<0.1
			22-Jul-08	<0.1	<0.1
			17-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			15-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	0.18
			12-May-10	<0.1	0.11
			14-Jul-10	<0.1	<0.1
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	0.13
			26-Jan-11	<0.1	<0.1
			01-Mar-11	<0.1	0.19
			23-May-11	<0.1	0.11
Smithland	918.5	Tl	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	<0.1
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	<0.1
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	<0.1
			22-Jul-08	<0.1	<0.1
			30-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			10-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			02-Nov-09	<0.1	<0.1
			13-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			13-May-10	<0.1	<0.1
			15-Jul-10	0.12	<0.1
			09-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			29-Mar-11	<0.1	<0.1
			23-May-11	<0.1	<0.1

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
L&D 52	938.9	Tl	11-Jul-06	<0.1	<0.1
			19-Sep-06	<0.1	0.16
			14-Nov-06	<0.1	<0.1
			30-Jan-07	<0.1	<0.1
			21-Mar-07	<0.1	<0.1
			21-May-07	<0.1	<0.1
			25-Jul-07	<0.1	<0.1
			20-Sep-07	<0.1	<0.1
			28-Nov-07	<0.1	<0.1
			24-Jan-08	<0.1	<0.1
			17-Mar-08	<0.1	<0.1
			22-May-08	<0.1	<0.1
			21-Jul-08	<0.1	<0.1
			16-Sep-08	<0.1	<0.1
			17-Nov-08	<0.1	<0.1
			02-Feb-09	<0.1	<0.1
			11-Mar-09	<0.1	<0.1
			19-May-09	<0.1	<0.1
			21-Jul-09	<0.1	<0.1
			16-Sep-09	<0.1	<0.1
			03-Nov-09	<0.1	<0.1
			12-Jan-10	<0.1	<0.1
			25-Mar-10	<0.1	<0.1
			12-May-10	<0.1	0.11
			14-Jul-10	<0.1	0.11
			08-Sep-10	<0.1	<0.1
			03-Nov-10	<0.1	<0.1
			27-Jan-11	<0.1	<0.1
			16-Mar-11	<0.1	<0.1
			23-May-11	<0.1	<0.1
New Cumberland	54.4	Zn	13-Jul-06	2.03	1.51
			14-Sep-06	2.63	7.67
			01-Nov-06	1.5	18.69
			12-Jan-07	2.03	11.23
			12-Mar-07	4.94	9.01
			07-May-07	1.53	4.86
			10-Jul-07	3.02	6.99
			17-Sep-07	3.31	4.98
			05-Nov-07	3.75	5.21
			08-Jan-08	4.23	9.18
			18-Mar-08	4	10.86
			28-May-08	3.73	6.14
			16-Jul-08	<1	4.89
			24-Sep-08	2.75	4.04
			12-Nov-08	4.02	8.7
			09-Feb-09	3.96	13.68
			16-Mar-09	2.11	9.39
			18-May-09	3.15	5.97
			15-Jul-09	1.15	3.81
			08-Sep-09	2.14	5.01
			16-Nov-09	1.72	2.98
			18-Jan-10	4.52	6.52
			17-Mar-10	2.45	10.76
			12-May-10	2.08	3.92
			20-Jul-10	3.25	4.97
			23-Sep-10	2.97	6.17
			02-Nov-10	3.61	5.01
			18-Jan-11	3.92	6.4
			21-Mar-11	3.14	10.93
			26-May-11	1.59	5.19
Pike Island	84.2	Zn	13-Jul-06	1.4	3.54
			14-Sep-06	1.16	8.39
			01-Nov-06	1.83	23.83
			12-Jan-07	1.57	15.06
			12-Mar-07	3.53	10.93
			07-May-07	<1	4.72
			10-Jul-07	1.38	3.38
			17-Sep-07	1.5	3.09
			05-Nov-07	1.93	3.57
			08-Jan-08	R	9.41
			18-Mar-08	3.8	12.97
			28-May-08	1.78	6.11
			16-Jul-08	<1	2.9
			24-Sep-08	1.51	2.5
			12-Nov-08	2.6	4.05
			09-Feb-09	4.89	19.37
			16-Mar-09	R	11.54
			18-May-09	2.09	5.45
			15-Jul-09	<1	1.94
			08-Sep-09	<1	2.32
			16-Nov-09	1.97	2.87
			18-Jan-10	3.04	10.03
			17-Mar-10	1.83	23.65
			12-May-10	3.51	4.34
			20-Jul-10	<1	2.78
			23-Sep-10	1.18	2.57
			02-Nov-10	2.03	4.19
			18-Jan-11	3.09	7.07
			21-Mar-11	3.19	10.85
			26-May-11	1.55	8.4

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Hannibal	126.4	Zn	18-Jul-06	1.32	2.89
			06-Sep-06	<1	7.39
			07-Nov-06	1.03	6.44
			02-Jan-07	2	5.81
			13-Mar-07	1.37	8.81
			10-May-07	2.11	3.49
			12-Jul-07	2.6	3.1
			24-Sep-07	1.9	4.02
			28-Nov-07	1.79	17
			09-Jan-08	2.32	9.08
			26-Mar-08	2.12	11.65
			15-May-08	1.76	8.84
			17-Jul-08	<1	2.26
			17-Sep-08	1.19	3.53
			19-Nov-08	2.34	3.89
			10-Feb-09	4.23	11.16
			10-Mar-09	4.52	36.58
			19-May-09	1.34	3.95
			22-Jul-09	<1	2
			15-Sep-09	<1	1.99
			12-Nov-09	<1	3.25
			20-Jan-10	2.77	5.97
			18-Mar-10	1.44	12.63
			19-May-10	2.41	9.56
			21-Jul-10	<1	1.85
			14-Sep-10	<1	2.23
			08-Nov-10	1.81	4.48
			25-Jan-11	3.52	6.04
			29-Mar-11	R	10.85
			24-May-11	1.11	8.25
Willow Island	161.8	Zn	18-Jul-06	1.06	2.34
			06-Sep-06	1.16	7.35
			07-Nov-06	1.92	8.61
			02-Jan-07	1.95	6.86
			13-Mar-07	2.14	8.9
			10-May-07	<1	2.85
			12-Jul-07	2	3.6
			24-Sep-07	1.26	2.44
			28-Nov-07	1.4	15.17
			09-Jan-08	2.49	16.38
			26-Mar-08	1.76	11.8
			15-May-08	1.14	10.46
			17-Jul-08	<1	2.36
			08-Sep-08	1.37	2.09
			19-Nov-08	1.74	3.75
			10-Feb-09	3.39	11.69
			10-Mar-09	3.76	20.96
			19-May-09	1.51	5.56
			22-Jul-09	<1	3.4
			15-Sep-09	<1	1.99
			12-Nov-09	3.2	2.32
			20-Jan-10	1.73	9.6
			18-Mar-10	1.16	17.96
			19-May-10	1.36	8.71
			27-Jul-10	2.08	2.6
			27-Sep-10	1.22	3.19
			08-Nov-10	2.29	2.31
			25-Jan-11	3.02	5.06
			22-Mar-11	2.76	13.35
			24-May-11	2	8.58
Belleville	203.9	Zn	12-Jul-06	1.17	2.33
			19-Sep-06	1.23	5.7
			24-Nov-06	<1	8.94
			04-Jan-07	1.7	4.71
			15-Mar-07	2.67	9.38
			09-May-07	1.14	4.61
			17-Jul-07	1.88	2.15
			19-Sep-07	1.46	2.14
			08-Nov-07	1.73	3.97
			07-Jan-08	<1	5.85
			13-Mar-08	<1	15.54
			19-May-08	1.24	13.71
			23-Jul-08	<1	2.21
			08-Sep-08	R	1.46
			13-Nov-08	1.72	3.06
			22-Jan-09	2.92	
			09-Mar-09	4.15	9.45
			13-May-09	1.51	10.01
			13-Jul-09	<1	1.91
			09-Sep-09	<1	3.05
			09-Nov-09	1	2.44
			19-Jan-10	2.14	14.47
			24-Mar-10	1.84	13.51
			13-May-10	2.26	4.81
			22-Jul-10	<1	2.36
			29-Sep-10	1.03	3.07
			17-Nov-10	3.42	2.58
			02-Feb-11	3.35	4.63
			28-Mar-11	1.45	10.89
			25-May-11	<1	11.87

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
R.C. Byrd	279.2	Zn	12-Jul-06	1.64	6.28
			19-Sep-06	<1	5.32
			24-Nov-06	1.11	5.34
			04-Jan-07	1.69	3.84
			15-Mar-07	1.08	10.63
			09-May-07	<1	9.75
			17-Jul-07	1.22	4.07
			19-Sep-07	<1	3.36
			08-Nov-07	1.49	6.15
			07-Jan-08	1.5	5.77
			13-Mar-08	<1	12.1
			19-May-08	1.12	7.3
			23-Jul-08	<1	4.81
			17-Sep-08	R	3
			13-Nov-08	1.09	4.68
			22-Jan-09	1.09	4.62
			09-Mar-09	2.09	5.41
			13-May-09	<1	5.8
			13-Jul-09	1.2	3.12
			09-Sep-09	1.04	3.18
			09-Nov-09	<1	4.08
			19-Jan-10	1.68	9.52
			24-Mar-10	1.89	7.75
			13-May-10	<1	6.64
			22-Jul-10	1	5.65
			29-Sep-10	<1	2.7
			17-Nov-10	1.96	4.86
			02-Feb-11	2.1	6.06
			28-Mar-11	1.01	6.36
			25-May-11	1.84	5.61
Greenup	341	Zn	25-Jul-06	1.12	2.78
			12-Sep-06	<1	4.41
			28-Nov-06	<1	4.59
			30-Jan-07	2.35	49.33
			15-Mar-07	1.59	8.84
			09-May-07	4.21	
			26-Jul-07	<1	2.37
			13-Sep-07	1.56	3.89
			29-Nov-07	4.85	15.85
			29-Jan-08	1.95	7.9
			20-Mar-08	1.75	18.82
			29-May-08	<1	5.81
			21-Jul-08	<1	2.59
			25-Sep-08	2.4	5.82
			15-Nov-08	4.96	14.99
			22-Jan-09	2.25	5.95
			09-Mar-09	1.43	4.12
			28-May-09	2.88	9.2
			15-Jul-09	<1	9.26
			28-Sep-09	1.42	3.43
			09-Nov-09	<1	2.69
			13-Jan-10	1.62	3.69
			24-Mar-10	1.61	17.76
			19-May-10	1.4	21.9
			29-Jul-10	<1	1.8
			27-Sep-10	1.18	3.23
			18-Nov-10	1.28	2.13
			10-Jan-11	2.15	8.84
			08-Mar-11	3.31	27.38
			11-May-11	4.11	35.33
Meldahl	436.2	Zn	12-Jul-06	<1	2.48
			12-Sep-06	<1	5.19
			28-Nov-06	1.08	4.31
			30-Jan-07	<1	3.47
			15-Mar-07	<1	7.47
			09-May-07	1.55	8.03
			25-Jul-07	6.89	10.98
			13-Sep-07	1.34	2.65
			29-Nov-07	2.32	9.75
			28-Jan-08	1.91	4.53
			26-Mar-08	<1	19.15
			29-May-08	R	3.29
			21-Jul-08	<1	2.1
			25-Sep-08	R	2.8
			15-Nov-08	2.76	6.63
			22-Jan-09	<1	3.94
			09-Mar-09	1.13	3.4
			28-May-09	<1	3.24
			29-Jul-09	2.5	5.81
			28-Sep-09	<1	3.75
			04-Nov-09	<1	5.07
			13-Jan-10	1.55	2.64
			24-Mar-10	1.29	14.59
			19-May-10	<1	15.17
			29-Jul-10	<1	5.85
			27-Sep-10	<1	2.73
			23-Nov-10	1.03	2.91
			10-Jan-11	1.85	15.67
			08-Mar-11	1.41	32.09
			11-May-11	1.25	11.11

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
Anderson Ferry	477.5	Zn	12-Jul-06	3.01	3.88
			11-Sep-06	<1	4.39
			09-Nov-06	1.04	9.93
			24-Jan-07	<1	90.06
			27-Mar-07	<1	20.43
			08-May-07	1.39	7.12
			24-Jul-07	1.93	4.15
			18-Sep-07	1.42	2.79
			28-Nov-07	2.24	5.98
			09-Jan-08	1.48	9.96
			24-Mar-08	<1	20.29
			13-May-08	2.73	21.71
			17-Jul-08	<1	6.47
			23-Sep-08	1.91	3.32
			19-Nov-08	1.63	3.37
			14-Jan-09	<1	13.37
			09-Mar-09	2.16	5.99
			28-May-09	1.33	5.55
			29-Jul-09	2.88	7.05
			21-Sep-09	1.13	9.28
			03-Nov-09	<1	7.27
			12-Jan-10	1.88	15.75
			23-Mar-10	6.83	16.18
			20-May-10	R	17.56
			13-Jul-10	<1	2.49
			20-Sep-10	<1	2.62
			19-Nov-10	1.74	4.14
			18-Jan-11	1.97	4.23
			08-Mar-11	2.95	28.07
			24-May-11	1.66	14.61
Markland	531.5	Zn	13-Jul-06	1.08	2.84
			13-Sep-06	1.53	8.54
			09-Nov-06	13.69	6.54
			24-Jan-07	1.1	16.9
			27-Mar-07	<1	20.68
			22-May-07	1.69	2.88
			25-Jul-07	1.57	2.08
			18-Sep-07	2.19	3
			28-Nov-07	1.39	4.73
			09-Jan-08	<1	7.09
			24-Mar-08	2.28	25.74
			13-May-08	R	18.6
			21-Jul-08	2.98	3.58
			24-Sep-08	1.42	2.39
			19-Nov-08	2.21	5.26
			02-Feb-09	1.85	12.76
			09-Mar-09	1.07	6.46
			28-May-09	1.3	4.03
			16-Jul-09	1.69	1.73
			22-Sep-09	<1	2.28
			18-Nov-09	<1	3.08
			12-Jan-10	1.71	13.57
			23-Mar-10	1.94	15.9
			26-May-10	<1	6.64
			14-Jul-10	1.1	3.77
			20-Sep-10	1.66	2.27
			19-Nov-10	1.47	2.77
			18-Jan-11	1.89	3.79
			08-Mar-11	2.36	34.6
			24-May-11	2.03	13.37
Louisville	600.6	Zn	12-Jul-06	3.24	2.73
			20-Sep-06	<1	5.98
			15-Nov-06	<1	5.99
			31-Jan-07	R	7.01
			22-Mar-07	1	46.23
			22-May-07	<1	16.83
			24-Jul-07	1.29	2.76
			18-Sep-07	1.52	3.29
			26-Nov-07	2.18	3.31
			15-Jan-08	<1	10.98
			20-Mar-08	<1	27.74
			20-May-08	<1	9.43
			14-Jul-08	<1	23.62
			24-Sep-08	1.2	1.88
			19-Nov-08	1.64	8.68
			22-Jan-09	<1	3.92
			12-Mar-09	1.32	5.41
			28-May-09	1.25	7.46
			16-Jul-09	<1	4.59
			23-Sep-09	<1	1.79
			18-Nov-09	4.18	6.93
			26-Jan-10	<1	13.66
			16-Mar-10	<1	10.78
			20-May-10	1.23	10.36
			22-Jul-10	<1	3.97
			16-Sep-10	<1	3.52
			17-Nov-10	2.16	2.88
			26-Jan-11	1.81	11.93
			28-Mar-11	5.06	39.46
			18-May-11	12.08	60.99
McAlpine	606.8	Zn	20-May-10	<1	16.67
			22-Jul-10	<1	6.02
			16-Sep-10	<1	2.72
			17-Nov-10	1.75	<1
			26-Jan-11	1.99	5.4
			28-Mar-11	1.69	16.62
			18-May-11	2.65	19.8

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
West Point	625.9	Zn	12-Jul-06	3.68	5.67
			20-Sep-06	1.35	6.69
			15-Nov-06	1.61	10.96
			19-Jan-07	<1	13.98
			22-Mar-07	<1	45.65
			22-May-07	3.72	7.25
			25-Jul-07	1.71	2.79
			18-Sep-07	2.27	3.85
			26-Nov-07	4.08	7.35
			15-Jan-08	<1	19.86
			20-Mar-08	1.36	24.75
			20-May-08	<1	113.68
			14-Jul-08	<1	102.62
			24-Sep-08	1.87	3.34
			19-Nov-08	2.69	7.25
			22-Jan-09	1.76	13.41
			12-Mar-09	1.29	9.5
			28-May-09	1.37	16.27
			16-Jul-09	1.78	5.15
			09-Sep-09	<1	4.13
			18-Nov-09	2.55	11.28
			26-Jan-10	1.18	15.42
			16-Mar-10	1.42	29.88
			20-May-10	1.04	34.4
			22-Jul-10	1.03	7.45
			16-Sep-10	1.6	3.63
			17-Nov-10	3.66	3.87
			26-Jan-11	7.76	12.06
			28-Mar-11	R	17.87
			18-May-11	2.4	21.23
Cannelton	720.7	Zn	27-Jul-06	<1	2.78
			14-Sep-06	<1	4.71
			01-Nov-06	<1	35.34
			31-Jan-07	<1	9.36
			22-Mar-07	<1	47.46
			08-May-07	<1	3.95
			24-Jul-07	1.26	1.74
			19-Sep-07	1.99	2.7
			27-Nov-07	1.41	3.51
			23-Jan-08	1.3	7.93
			18-Mar-08	1	17.13
			21-May-08	<1	16.83
			23-Jul-08	<1	1.93
			18-Sep-08	<1	2.79
			18-Nov-08	1.37	2.74
			03-Feb-09	<1	14.76
			10-Mar-09	2.03	11.63
			21-May-09	1.4	8.53
			22-Jul-09	2.39	2.34
			23-Sep-09	<1	1.58
			18-Nov-09	2.17	4.35
			12-Jan-10	1.46	2.51
			24-Mar-10	R	20.1
			11-May-10	<1	7.42
			13-Jul-10	<1	1.94
			07-Sep-10	<1	3.16
			02-Nov-10	1.21	2.67
			26-Jan-11	2.23	3.82
			30-Mar-11	2.29	12.8
			24-May-11	1.4	27.98
Newburgh	776	Zn	12-Jul-06	1.02	5.19
			20-Sep-06	1.39	5.16
			15-Nov-06	1.07	8.96
			31-Jan-07	<1	18.22
			22-Mar-07	<1	33.6
			22-May-07	<1	4.89
			24-Jul-07	<1	1.5
			19-Sep-07	1.43	2.71
			27-Nov-07	1.4	3.61
			23-Jan-08	1.06	25.3
			25-Mar-08	<1	
			21-May-08	<1	2.14
			15-Jul-08	1.4	1.44
			29-Sep-08	<1	1.64
			18-Nov-08	1.36	5.03
			03-Feb-09	<1	18.19
			10-Mar-09	<1	5.87
			20-May-09	2.31	10.87
			22-Jul-09	<1	3.65
			15-Sep-09	<1	1.32
			02-Nov-09	<1	12.1
			12-Jan-10	<1	4.37
			24-Mar-10	1.99	16.44
			11-May-10	1.69	15.75
			13-Jul-10	<1	1.38
			07-Sep-10	<1	2.56
			02-Nov-10	R	2.55
			26-Jan-11	1.24	4.42
			01-Mar-11	1.21	31.92
			24-May-11	1.2	13.14

Appendix C: Clean Metals Sampling Results

SiteName	Mile Point	Parameter	Date	Dissolved	Total
J.T. Myers	846	Zn	11-Jul-06	1.43	4.29
			19-Sep-06	<1	4.38
			15-Nov-06	1.01	16.54
			30-Jan-07	<1	24.83
			22-Mar-07	<1	28.69
			21-May-07	<1	4.06
			25-Jul-07	<1	2.05
			20-Sep-07	1.26	2.52
			28-Nov-07	1.5	7.32
			24-Jan-08	1.47	13.28
			18-Mar-08	<1	16.88
			21-May-08	<1	21.05
			22-Jul-08	<1	<1
			17-Sep-08	<1	1.67
			17-Nov-08	1.14	2.59
			02-Feb-09	<1	31.37
			10-Mar-09	1.03	8.08
			19-May-09	1.48	15.74
			21-Jul-09	<1	2.08
			15-Sep-09	1.62	3.53
			02-Nov-09	<1	13.93
			13-Jan-10	<1	4.25
			25-Mar-10	<1	21.68
			12-May-10	<1	16.93
			14-Jul-10	<1	1.85
			08-Sep-10	<1	2.31
			03-Nov-10	1.41	3.83
			26-Jan-11	2.56	3.83
			01-Mar-11	<1	59.98
			23-May-11	1.15	38.01
Smithland	918.5	Zn	11-Jul-06	1.61	2.87
			19-Sep-06	<1	4.66
			14-Nov-06	<1	6.59
			30-Jan-07	2.56	16.9
			21-Mar-07	<1	23.2
			21-May-07	<1	1.36
			25-Jul-07	<1	3.14
			20-Sep-07	1.85	1.24
			28-Nov-07	1.08	3.61
			24-Jan-08	<1	12.51
			17-Mar-08	1	14.93
			22-May-08	<1	23.51
			22-Jul-08	<1	3.1
			30-Sep-08	1.36	1.66
			17-Nov-08	<1	1.15
			02-Feb-09	<1	21.94
			10-Mar-09	<1	8.86
			19-May-09	<1	14.6
			21-Jul-09	<1	1.48
			16-Sep-09	1.59	3.87
			02-Nov-09	<1	9.36
			13-Jan-10	<1	7.28
			25-Mar-10	1.77	19.55
			13-May-10	<1	16.57
			15-Jul-10	<1	2.08
			09-Sep-10	<1	2.99
			03-Nov-10	1.04	2.42
			27-Jan-11	<1	3.66
			29-Mar-11	2.38	14.05
			23-May-11	<1	15.25
L&D 52	938.9	Zn	11-Jul-06	1.15	7.58
			19-Sep-06	1.08	40.43
			14-Nov-06	<1	12.24
			30-Jan-07	<1	22.15
			21-Mar-07	<1	23.81
			21-May-07	<1	2.28
			25-Jul-07	<1	2.38
			20-Sep-07	<1	1.4
			28-Nov-07	1.11	6.68
			24-Jan-08	1.44	18.92
			17-Mar-08	<1	12.48
			22-May-08	<1	48.55
			21-Jul-08	<1	2.19
			16-Sep-08	<1	3.02
			17-Nov-08	<1	3.07
			02-Feb-09	1.85	23.86
			11-Mar-09	<1	18.98
			19-May-09	1.03	13.66
			21-Jul-09	<1	3.74
			16-Sep-09	<1	2.38
			03-Nov-09	<1	11.68
			12-Jan-10	<1	7.11
			25-Mar-10	1.31	16.36
			12-May-10	2.26	11.75
			14-Jul-10	<1	3.28
			08-Sep-10	<1	3.27
			03-Nov-10	<1	6.25
			27-Jan-11	1.32	4.18
			16-Mar-11	2.05	10.18
			23-May-11	1.42	15.66

Appendix D:

Bimonthly

Sampling Results

Appendix D: Bimonthly Sampling Results

Bimonthly Sampling Summary Statistics 2012 305b July 2006 - June 2011

Mile Point	Site Name	Statistic	Cl- (mg/L)	CN (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	OrthoPhosphate (Dissolved mg/L)	Phenols (ug/L)	SO4 (mg/L)	TKN (mg/L)	TOC (mg/L)	TP (mg/L)	TSS (mg/L)
54.4	New Cumberland	# Samples	30	16	30	30	30	2	30	30	30	30	30	30
		# Detects	30	0	30	27	30	1	0	30	30	29	30	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	62.0	<5	164	0.31	1.2	0.12	<5	146	2.0	4.5	0.12	38.3
		75th Percentile	46.0	<5	136	0.11	0.92	0.12	<5	87.8	0.54	3.5	0.06	11.5
		Median	29.0	<5	102	0.07	0.81	0.06	<5	63.0	0.50	2.9	0.04	7.4
		25th Percentile	26.0	<5	88.0	0.05	0.68	<0.01	<5	52.0	0.42	2.3	0.03	4.6
84.2	Pike Island	# Samples	30	16	30	30	30	2	30	30	30	30	30	30
		# Detects	30	0	30	26	30	2	0	30	30	30	30	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	62.0	<5	176	0.18	1.3	0.07	<5	124	1.4	4.4	0.15	52.7
		75th Percentile	42.0	<5	144	0.10	0.93	0.07	<5	92.0	0.61	3.2	0.08	20.5
		Median	30.0	<5	110	0.06	0.77	0.04	<5	68.0	0.45	2.8	0.05	6.5
		25th Percentile	22.0	<5	88.0	0.05	0.66	0.01	<5	51.0	0.37	2.2	0.03	4.8
126.4	Hannibal	# Samples	30	16	31	31	31	2	31	30	31	31	31	30
		# Detects	30	0	31	30	31	0	0	30	31	31	29	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	66.0	<5	184	0.20	1.3	<0.01	<5	134	0.80	5.7	0.21	45.8
		75th Percentile	52.0	<5	136	0.10	0.95	<0.01	<5	104	0.51	3.4	0.07	16.0
		Median	35.0	<5	112	0.07	0.79	<0.01	<5	73.0	0.46	2.8	0.04	8.0
		25th Percentile	28.0	<5	92.0	0.05	0.58	<0.01	<5	63.0	0.37	2.3	0.03	5.2
161.8	Willow Island	# Samples	30	16	31	31	31	2	31	30	31	31	31	30
		# Detects	30	0	31	27	31	0	0	30	31	31	29	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	70.0	<5	180	0.20	1.3	<0.01	<5	134	1.1	3.7	0.20	34.0
		75th Percentile	46.0	<5	132	0.10	0.89	<0.01	<5	96.0	0.54	3.2	0.07	21.0
		Median	34.0	<5	104	0.06	0.81	<0.01	<5	72.0	0.47	2.9	0.03	8.0
		25th Percentile	28.0	<5	96.0	0.04	0.63	<0.01	<5	63.4	0.41	2.2	0.02	4.0
203.9	Belleville	# Samples	30	16	30	30	30	2	30	30	30	30	30	30
		# Detects	30	0	30	27	30	0	0	30	30	30	29	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	68.0	<5	192	0.16	1.7	<0.01	<5	130	0.68	4.8	0.58	76.7
		75th Percentile	48.0	<5	148	0.10	0.96	<0.01	<5	98.0	0.59	3.6	0.09	21.0
		Median	36.0	<5	130	0.07	0.83	<0.01	<5	74.0	0.52	3.2	0.06	9.0
		25th Percentile	26.0	<5	108	0.04	0.71	<0.01	<5	63.0	0.40	2.7	0.04	5.1
279.2	R.C. Byrd	# Samples	30	16	30	30	30	2	30	30	30	30	30	30
		# Detects	30	0	30	29	30	1	1	30	30	30	30	30
		# Violations	0	0	0	0	0	0	0	0	0	0	0	0
		Maximum	52.0	<5	164	0.19	1.2	0.01	7.8	148	0.88	5.8	0.17	55.3
		75th Percentile	38.0	<5	124	0.08	0.86	0.01	<5	90.0	0.52	3.3	0.08	30.7
		Median	28.0	<5	110	0.06	0.76	<0.01	<5	62.0	0.47	2.9	0.06	22.3
		25th Percentile	20.0	<5	92.0	0.04	0.63	<0.01	<5	50.0	0.39	2.4	0.04	12.0
341	Greenup	# Samples	36		36	36	36	2	36	36	36	35	36	36
		# Detects	36		36	28	36	1	0	36	36	35	35	36
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	56.0		168	0.57	1.2	0.01	<5	138	1.3	5.2	0.35	325
		75th Percentile	36.0		142	0.08	0.88	0.01	<5	83.0	0.69	3.5	0.11	39.6
		Median	26.0		114	0.05	0.76	<0.01	<5	67.0	0.53	3.1	0.05	13.0
		25th Percentile	20.0		102	0.03	0.63	<0.01	<5	58.0	0.41	2.6	0.04	9.9
436.2	Meldahl	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	30		30	21	30	2	1	30	30	29	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	52.0		192	0.36	1.3	0.02	8.8	150	0.90	5.6	0.95	146
		75th Percentile	34.0		148	0.07	0.99	0.02	<5	93.0	0.65	3.7	0.09	31.8
		Median	28.0		122	0.05	0.85	0.02	<5	69.0	0.55	2.9	0.06	12.6
		25th Percentile	22.0		112	<0.03	0.66	0.02	<5	60.0	0.40	2.4	0.04	8.7
477.5	Anderson Ferry	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	30		30	28	30	2	1	30	30	29	30	29
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	62.0		188	0.42	1.3	0.02	10.0	138	1.6	5.9	0.31	168
		75th Percentile	42.0		152	0.15	1.0	0.02	<5	100.0	0.95	4.2	0.12	73.0
		Median	34.0		126	0.11	0.90	0.02	<5	67.0	0.68	3.4	0.08	24.4
		25th Percentile	26.0		116	0.05	0.78	0.01	<5	53.0	0.59	3.0	0.06	9.0

Appendix D: Bimonthly Sampling Results

Mile Point	Site Name	Statistic	Cl- (mg/L)	CN (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	OrthoPhosphate (Dissolved mg/L)	Phenols (ug/L)	SO4 (mg/L)	TKN (mg/L)	TOC (mg/L)	TP (mg/L)	TSS (mg/L)
531.5	Markland	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	30		30	26	30	2	0	30	30	29	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	62.0		188	0.19	1.4	0.02	<5	130	1.5	5.5	0.45	238
		75th Percentile	40.0		154	0.12	1.1	0.02	<5	88.0	0.81	4.0	0.14	57.0
		Median	32.0		132	0.08	1.0	0.02	<5	66.5	0.66	3.3	0.08	15.2
		25th Percentile	26.0		124	0.04	0.82	0.02	<5	50.0	0.55	2.8	0.06	7.8
600.6	Louisville	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	29		29	23	29	1	0	29	28	28	29	29
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	60.0		204	0.43	1.5	0.03	<5	144	1.7	6.8	0.53	290
		75th Percentile	38.0		164	0.08	1.3	0.03	<5	89.6	0.79	3.9	0.18	81.5
		Median	30.0		144	0.06	1.0	0.02	<5	68.5	0.66	3.4	0.09	27.5
		25th Percentile	20.0		140	0.04	0.91	<0.01	<5	54.0	0.50	2.7	0.08	10.6
606.8	McAlpine	# Samples	7		7	7	7		7	7	7	7	7	7
		# Detects	7		7	5	7		0	7	7	7	7	7
		# Violations	0		0	0	0		0	0	0	0	0	0
		Maximum	58.0		184	0.23	1.3		<5	103	0.91	3.7	0.25	146
		75th Percentile	44.0		168	0.07	1.2		<5	87.3	0.89	3.5	0.19	136
		Median	30.0		152	0.04	1.0		<5	68.2	0.77	3.0	0.14	37.4
		25th Percentile	22.0		112	<0.03	0.85		<5	53.5	0.48	2.8	0.10	6.9
625.9	West Point	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	30		30	29	30	1	0	30	30	29	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	66.0		248	0.42	1.6	0.06	<5	168	1.3	6.0	0.58	243
		75th Percentile	42.0		200	0.21	1.2	0.06	<5	128	1.0	4.4	0.25	129
		Median	31.0		172	0.17	1.1	0.03	<5	73.6	0.88	3.6	0.14	45.5
		25th Percentile	24.0		136	0.07	0.94	<0.01	<5	54.0	0.68	3.2	0.10	15.8
720.7	Cannelton	# Samples	37		36	36	37	2	36	36	37	35	36	37
		# Detects	36		36	29	36	2	0	36	36	35	36	36
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	68.0		200	0.16	1.5	0.03	<5	120	2.8	5.8	0.45	294
		75th Percentile	40.0		160	0.08	1.3	0.03	<5	78.0	0.71	4.1	0.18	74.1
		Median	28.0		147	0.05	1.0	0.03	<5	60.0	0.58	3.2	0.10	22.2
		25th Percentile	20.0		130	0.03	0.94	0.03	<5	52.0	0.48	2.7	0.07	9.2
776	Newburgh	# Samples	30		30	30	30	1	30	30	30	30	30	30
		# Detects	30		30	22	30	1	1	30	30	30	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	54.0		200	0.18	10.4	0.03	6.3	114	1.5	5.5	0.61	234
		75th Percentile	34.0		160	0.08	1.4	0.03	<5	80.0	0.70	4.4	0.18	77.0
		Median	26.0		148	0.05	1.2	0.03	<5	69.5	0.59	3.7	0.10	34.2
		25th Percentile	22.0		136	<0.03	0.96	0.03	<5	60.0	0.51	3.1	0.07	10.0
846	J.T. Myers	# Samples	30		30	30	31	1	30	30	30	31	31	31
		# Detects	30		30	21	30	1	1	30	30	30	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	48.0		200	0.14	2.0	0.02	10.0	117	1.4	5.5	0.55	267
		75th Percentile	32.0		156	0.06	1.2	0.02	<5	82.0	0.90	4.2	0.19	92.0
		Median	26.0		142	0.04	1.0	0.02	<5	64.0	0.65	3.5	0.12	30.0
		25th Percentile	18.0		128	<0.03	0.90	0.02	<5	58.0	0.51	3.1	0.07	9.8
918.5	Smithland	# Samples	31		30	30	31	2	30	30	31	29	30	31
		# Detects	30		30	24	30	2	1	30	30	29	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	86.0		260	0.20	2.9	0.03	12.7	104	1.1	7.3	0.48	302
		75th Percentile	40.0		176	0.09	1.7	0.03	<5	74.4	0.96	4.6	0.22	86.0
		Median	26.0		164	0.05	1.2	0.03	<5	61.0	0.68	3.9	0.11	33.0
		25th Percentile	20.0		148	0.03	1.0	0.03	<5	48.0	0.52	3.4	0.07	9.5
938.9	L&D 52	# Samples	30		30	30	30	2	30	30	30	29	30	30
		# Detects	30		30	22	30	2	2	30	30	29	30	30
		# Violations	0		0	0	0	0	0	0	0	0	0	0
		Maximum	52.0		288	1.1	3.0	0.03	10.0	148	2.2	6.1	1.3	513
		75th Percentile	34.0		172	0.09	1.6	0.03	<5	66.0	0.99	5.0	0.27	83.2
		Median	24.0		154	0.05	1.2	0.03	<5	58.0	0.77	4.2	0.14	42.2
		25th Percentile	20.0		144	<0.03	0.91	0.03	<5	50.0	0.61	3.6	0.09	15.2

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
New Cumberland	54.4	13-Jul-06	25.5	26		108	0.05	0.84	<5	66	0.52	2.53	0.048	8.0
		14-Sep-06	42.4	28		88	0.05	0.81	<5	52	0.34	3.48	0.054	12.4
		1-Nov-06	98.8	20	<0.005	76	0.05	0.60	<5	48	0.51	3.46	0.060	38.3
		12-Jan-07	86.2	18	<0.005	92	<0.03	0.83	<5	48	0.54	<0.5	0.043	13.6
		12-Mar-07	61.4	40	<0.005	100	0.13	1.22	<5	56	0.31	2.30	0.023	7.7
		7-May-07	39.1	22		96	0.04	0.68	<5	58	0.42	2.10	0.029	9.0
		10-Jul-07	12.6	52		164	0.11	1.20	<5	126	0.53	2.80	0.038	8.3
		17-Sep-07	8.2	32		112	0.28	1.06	<5	92	0.53	3.52	0.033	4.2
		5-Nov-07	9.9	26	<0.005	132	0.09	0.88	<5	102	0.50	2.78	0.025	2.8
		8-Jan-08	55.3	28	<0.005	148	0.1	0.90	<6	56	0.45	2.20	0.028	10.2
		18-Mar-08	84.8	32	<0.005	84	0.07	0.84	<5	53	0.30	2.07	0.028	16.5
		28-May-08	34.3	16		88	0.06	0.58	<5	60	1.96	2.29	0.024	6.7
		16-Jul-08	18.1	28		148	0.31	0.80	<5	76	0.56	4.45	0.024	9.5
		24-Sep-08	3.9	40		136	0.07	0.77	<5	146	0.43	2.90	0.031	3.2
		12-Nov-08	9.0	52	<0.005	148	0.12	0.92	<5	68	0.51	2.50	0.053	5.8
		9-Feb-09	66.4	50	<0.005	120	0.17	1.10	<5	80	0.53	3.62	0.124	36.0
		16-Mar-09	62.7	22	<0.005	68	0.09	0.70	<5	34	0.44	2.91	0.076	24.5
		18-May-09	27.3	26		104	0.07	0.53	<5	74	0.35	2.19	0.043	7.2
		15-Jul-09	12.0	32		108	0.06	0.57	<5	92	0.13	2.76	0.029	7.1
		8-Sep-09	9.8	30		88	0.06	0.79	<5	60	0.54	3.66	0.044	4.4
		16-Nov-09	13.1	26	<0.005	88	<0.03	0.67	<5	51	0.47	3.09	0.022	2.6
		18-Jan-10	49.7	54	<0.005	128	0.17	0.98	<5	70	0.42	1.91	0.056	4.6
		17-Mar-10	128.6	26	<0.005	72	0.05	0.81	<5	42	0.61	3.23	0.087	26.6
		12-May-10	36.5	32		100	0.04	0.62	<5	66	0.50	3.10	0.065	4.9
		20-Jul-10	7.8	54		148	0.08	0.82	<5	94.6	0.49	3.10	0.087	5.7
		23-Sep-10	13.0	62		156	0.07	1.10	<5	87.8	1.09	3.26	0.078	5.4
		2-Nov-10	16.9	46	<0.005	136	0.07	1.09	<5	90.2	0.24	4.48	0.055	3.3
		18-Jan-11		48	<0.005	92	0.13	0.78	<5	57	0.59	2.50	0.061	4.4
		21-Mar-11		24	<0.005	76	0.05	0.68	<5	47.9	0.61	1.77	0.035	11.5
		26-May-11		18		92	<0.03	0.49	<5	49.7	0.42	3.50	0.065	10.3

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Pike Island	84.2	13-Jul-06	29.0	24		108	0.07	0.81	<5	72	1.35	2.26	0.116	4.8
		14-Sep-06	40.4	24		80	0.06	0.71	<5	50	0.29	3.42	0.055	14.0
		1-Nov-06	95.9	18	<0.005	76	0.05	0.57	<5	50	0.65	3.47	0.093	49.3
		12-Jan-07	90.4	20	<0.005	88	<0.03	0.74	<5	44	0.61	1.80	0.054	25.6
		12-Mar-07	65.1	38	<0.005	104	<0.03	1.19	<5	62	0.35	2.20	0.023	12.5
		7-May-07	40.6	22		96	0.03	0.63	<5	60	0.34	1.86	0.041	6.5
		10-Jul-07	11.4	52		172	0.05	1.25	<5	124	0.61	3.25	0.030	5.8
		17-Sep-07	8.9	34		128	0.17	1.04	<5	104	0.41	3.93	0.031	3.8
		5-Nov-07	10.4	32	<0.005	144	0.1	0.91	<5	110	0.37	2.69	0.019	2.8
		8-Jan-08	62.8	26	<0.005	104	<0.03	0.86	<6	56	0.43	2.20	0.031	11.2
		18-Mar-08	86.4	34	<0.005	112	0.09	0.79	<5	67	0.40	1.96	0.043	23.3
		28-May-08	28.5	14		80	0.06	0.55	<5	62	0.87	2.32	0.032	5.7
		16-Jul-08	19.3	22		176	0.18	0.66	<5	112	0.64	4.40	0.079	6.5
		24-Sep-08	7.2	42		144	0.06	1.22	<5	100	0.32	2.90	0.041	2.8
		12-Nov-08	8.0	48	<0.005	156	0.12	1.16	<5	64	0.30	2.67	0.067	2.3
		9-Feb-09	63.9	52	<0.005	124	0.17	0.93	<5	76	0.53	2.23	0.098	45.1
		16-Mar-09	61.9	26	<0.005	60	0.09	0.64	<5	24	0.45	2.90	0.088	22.5
		18-May-09	30.2	24		104	0.06	0.51	<5	84	0.38	2.16	0.037	5.4
		15-Jul-09	11.4	28		116	0.05	0.73	<5	84	0.21	2.96	0.030	5.1
		8-Sep-09	7.9	40		128	0.06	0.88	<5	70	0.51	3.46	0.041	3.8
		16-Nov-09	13.7	22	<0.005	88	0.07	0.62	<5	50	0.57	3.07	0.048	3.4
		18-Jan-10	41.5	54	<0.005	120	0.18	0.92	<5	69	0.52	2.31	0.102	22.6
		17-Mar-10	124.8	26	<0.005	72	0.06	0.76	<5	43	0.64	3.17	0.147	52.7
		12-May-10	34.9	36		116	0.03	0.67	<5	76	0.36	2.69	0.063	5.5
		20-Jul-10	9.1	54		160	0.1	0.79	<5	98	0.48	2.81	0.133	7.3
		23-Sep-10	7.7	62		160	0.06	1.08	<5	92	0.47	3.22	0.078	7.0
		2-Nov-10	14.3	48	<0.005	152	0.07	1.08	<5	105	0.43	3.72	0.045	4.5
		18-Jan-11	18.5	36	<0.005	92	0.14	0.75	<5	58.2	0.73	2.83	0.070	5.9
		21-Mar-11	99.8	22	<0.005	76	0.05	0.71	<5	47.6	0.40	1.73	0.040	20.5
		26-May-11	69.8	20		92	<0.03	0.49	<5	51	0.45	3.10	0.027	10.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Hannibal	126.4	18-Jul-06	35.2	28		112	0.07	0.88	<5	66	0.44	3.39	0.209	4.0
		14-Sep-06	40.6	28		80	0.05	0.73	<5	56	0.37	3.82	0.044	10.8
		7-Nov-06	54.1		<0.005	92	0.04	0.64	<5		0.43	2.82	0.073	
		2-Jan-07	50.1	32	<0.005	124	0.07	0.78	<5	80	0.50	2.25	0.057	4.6
		13-Mar-07	65.6	42	<0.005	112	0.15	1.20	<5	68	0.35	2.30	0.017	10.5
		10-May-07	25.8	24		96	<0.03	0.58	<5	62	0.31	1.71	0.027	7.6
		12-Jul-07	10.7	64		184	0.08	1.04	<5	132	0.46	3.36	0.045	3.0
		24-Sep-07	6.3	42		136	0.05	0.96	<5	90	0.27	3.50	0.011	5.2
		28-Nov-07	82.5	32	<0.005	124	0.07	0.79	<5	90	0.80	3.62	0.117	35.7
		9-Jan-08	59.0	28	<0.005	104	0.1	0.82	<5	60	0.42	2.30	0.032	11.2
		26-Mar-08	84.2	24	<0.005	88	0.05	0.82	<5	63	0.25	2.10	<0.01	25.3
		15-May-08	73.1	48		92	0.05	0.56	<5	72	0.49	2.56	0.028	8.3
		17-Jul-08	17.9	28		104	0.05	0.61	<5	110	0.36	4.17	<0.01	5.2
		17-Sep-08	15.1	52		156	0.15	1.03	<5	104	0.59	5.72	0.024	5.2
		19-Nov-08	19.5	56	<0.005	156	0.14	1.29	<5	134	0.37	2.51	0.040	4.9
		10-Feb-09	73.3	56	<0.005	132	0.18	0.92	<5	72	0.39	2.26	0.088	19.0
		10-Mar-09	109.2	34	<0.005	96	0.2	0.95	<5	74	0.51	2.22	0.067	24.3
		19-May-09	27.9	26		108	0.07	0.50	<5	86	0.46	2.21	0.037	10.2
		22-Jul-09	10.5	36		140	0.09	0.73	<5	110	0.45	2.76	0.029	4.4
		15-Sep-09	7.9	48		118	0.08	0.77	<5	78	0.55	3.60	0.040	4.5
		12-Nov-09	13.9	28	<0.005	92	0.06	0.52	<5	63	0.51	2.94	0.034	6.3
		20-Jan-10	71.7	52	<0.005	120	0.17	1.02	<5	72	0.28	2.18	0.067	16.0
		18-Mar-10	122.2	26	<0.005	76	0.05	0.79	<5	44	0.56	3.04	0.098	35.1
		19-May-10	67.3	24		60	0.03	0.54	<5	64	0.76	2.80	0.075	45.8
		21-Jul-10	12.3	62		164	0.07	0.81	<5	106	0.50	2.93	0.129	5.2
		14-Sep-10	9.6	66		156	0.03	0.80	<5	116	0.44	3.11	0.018	5.2
		8-Nov-10	16.3	50	<0.005	148	0.05	1.05	<5	104	0.57	3.31	0.043	4.7
		25-Jan-11	18.3	54	<0.005	104	0.14	0.95	<5	61	0.51	3.14	0.058	5.3
		29-Mar-11	73.0	24	<0.005	80	0.07	0.57	<5	54.5	0.44	1.94	0.038	12.8
		24-May-11	74.2	18		100	0.04	0.49	<5	54.5	0.59	2.59	0.030	21.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Willow Island	161.8	18-Jul-06	35.6	24		128	0.04	0.90	<5	66	0.41	3.68	0.074	3.2
		19-Sep-06	33.0	34		96	0.05	0.87	<5	56	0.37	3.02	0.013	7.0
		7-Nov-06	54.6	26	<0.005	92	0.06	0.63	<5	42	0.39	3.18	0.037	14.2
		2-Jan-07	53.8	32	<0.005	128	0.07	0.77	<5	88	0.46	2.08	0.018	3.0
		13-Mar-07	67.1	40	<0.005	104	0.15	1.10	<5	72	0.48	2.10	0.052	14.0
		10-May-07	26.2	24		100	<0.03	0.61	<5	65	0.31	1.75	0.011	5.8
		12-Jul-07	10.9	50		180	0.05	0.84	<5	116	0.48	3.17	0.027	1.8
		24-Sep-07	6.4	42		132	<0.03	0.93	<5	90	0.44	3.41	<0.01	3.0
		28-Nov-07	77.6		<0.005	120	0.19	0.84	<5		0.48	3.30	0.029	
		9-Jan-08	60.7	28	<0.005	88	0.13	0.83	<5	64	0.48	2.10	0.021	15.6
		26-Mar-08	86.6	30	<0.005	88	0.06	0.83	<5	61	0.40	2.12	0.012	28.0
		15-May-08	75.1	34		96	0.05	0.58	<5	78	0.44	2.53	0.017	14.5
		17-Jul-08	18.4	26		164	0.04	0.59	<5	130	0.62	3.64	0.022	8.0
		8-Sep-08	6.4	40		96	0.1	0.73	<5	96	0.70	3.60	<0.01	2.8
		19-Nov-08	19.7	64	<0.005	156	0.08	1.31	<5	134	0.27	2.23	0.055	3.1
		10-Feb-09	75.7	56	<0.005	132	0.19	0.87	<5	72	0.42	2.25	0.075	29.0
		10-Mar-09	101.8	34	<0.005	100	0.2	0.98	<5	72	0.53	2.32	0.167	26.7
		19-May-09	29.4	30		100	0.06	0.50	<5	76	0.42	2.19	0.022	8.0
		22-Jul-09	10.6	40		128	0.09	0.81	<5	110	0.44	2.99	0.026	6.3
		15-Sep-09	8.0	35		96	0.06	0.63	<5	62	0.42	3.68	0.042	6.2
		12-Nov-09	16.9	28	<0.005	104	0.06	0.52	<5	69	0.47	2.86	0.032	5.8
		20-Jan-10	73.1	56	<0.005	116	0.15	0.98	<5	68	0.41	2.15	0.197	27.6
		18-Mar-10	125.7	28	<0.005	80	0.05	0.81	<5	43	0.57	3.03	0.101	34.0
		19-May-10	78.4	24		100	<0.03	0.55	<5	65	1.09	2.89	0.051	28.8
		27-Jul-10	18.2	54		172	<0.03	0.67	<5	106	0.53	3.27	0.026	8.0
		27-Sep-10	7.0	70		172	0.03	0.89	<5	115	0.41	3.24	0.017	5.2
		8-Nov-10	21.3	56	<0.005	144	0.04	0.94	<5	107	0.54	3.05	0.078	4.0
		25-Jan-11	19.9	40	<0.005	96	0.14	0.85	<5	63.4	0.49	2.99	0.050	3.6
		22-Mar-11	100.0	22	<0.005	80	0.05	0.67	<5	49.8	0.63	1.88	0.066	20.7
		24-May-11	75.0	18		88	0.03	0.53	<5	52.1	0.67	2.87	0.039	23.1

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Belleville	203.9	12-Jul-06	37.9	24		140	0.07	1.27	<5	78	0.52	3.22	0.066	6.0
		19-Sep-06	37.1	32		104	0.06	0.88	<5	60	0.39	3.72	0.044	13.5
		9-Nov-06	59.0	24	<0.005	108	0.07	0.80	<5	60	0.40	3.00	0.044	9.0
		4-Jan-07	60.9	28	<0.005	140	0.04	0.89	<5	84	0.53	2.70	0.046	4.7
		15-Mar-07	113.5	42	<0.005	124	0.16	1.17	<5	64	0.40	1.90	0.034	21.0
		9-May-07	40.6	26		132	0.03	0.90	<5	74	0.43	2.62	0.060	10.5
		17-Jul-07	11.6	50		192	0.08	0.71	<5	116	0.63	3.33	0.013	2.5
		19-Sep-07	10.8	40		136	0.06	0.96	<5	94	0.34	4.79	0.087	3.0
		8-Nov-07	15.3	50	<0.005	148	<0.03	1.67	<5	98	0.60	3.61	0.050	4.6
		7-Jan-08	67.0	34	<0.005	99	0.14	0.99	<6	62	0.43	2.40	0.033	9.0
		13-Mar-08	138.0	30	<0.005	104	0.07	1.00	<5	63	0.59	2.94	0.106	65.0
		19-May-08	121.7	12		108	0.04	0.67	<5	70	0.42	2.74	0.043	28.6
		23-Jul-08	25.2	30		160	0.11	0.77	<5	106	0.53	3.88	0.032	8.5
		8-Sep-08	8.2	48		144	0.1	0.58	<5	120	0.57	3.39	<0.01	1.5
		13-Nov-08	10.3	56	<0.005	176	0.09	1.24	<5	70	0.21	2.20	0.054	3.7
		22-Jan-09	31.8	36	<0.005	116	0.11	0.84	<5	76	0.48	3.04	0.045	9.3
		9-Mar-09	70.4	48	<0.005	124	0.13	0.92	<5	60	0.48	2.30	0.061	18.4
		13-May-09	71.3	18		108	0.03	0.58	<5	68	0.33	2.94	0.068	22.0
		13-Jul-09	12.2	40		132	0.09	0.78	<5	130	0.57	2.92	0.038	5.8
		9-Sep-09	11.1	38		120	0.12	0.65	<5	74	0.56	4.03	0.059	5.2
		9-Nov-09	25.5	36	<0.005	128	0.06	0.74	<5	88	0.51	3.22	0.217	5.7
		19-Jan-10	107.1	38	<0.005	120	0.1	0.84	<5	68	0.46	3.24	0.137	62.7
		24-Mar-10	141.5	24	<0.005	100	0.04	0.81	<5	56	0.68	3.85	0.581	76.7
		13-May-10		30		148	<0.03	0.49	<5	120	0.59	2.83	0.066	15.6
		22-Jul-10	17.3	40		148	0.06	0.56	<5	80	0.63	3.59	0.106	9.2
		29-Sep-10	12.8	68		168	0.06	0.73	<5	115	0.26	3.52	0.028	5.1
		17-Nov-10	14.9	58	<0.005	164	0.04	1.04	<5	105	0.29	3.46	0.121	3.0
		2-Feb-11	47.5	52	<0.005	132	0.14	0.94	<5	70.4	0.62	3.30	0.060	7.6
		28-Mar-11	124.0	26	<0.005	104	0.06	0.82	<5	57.3	0.55	1.86	0.089	34.0
		25-May-11	96.5	20		112	<0.03	0.61	<5	56.8	0.66	3.60	0.078	44.9

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
R.C. Byrd	279.2	12-Jul-06	44.0	16		104	0.04	0.87	<5	62	0.50	2.74	0.051	22.5
		19-Sep-06	47.6	26		96	0.08	0.78	**7.77**	52	0.51	4.49	0.062	26.0
		9-Nov-06	83.3	18	<0.005	92	0.06	0.74	<5	56	0.52	3.29	0.109	55.3
		4-Jan-07	99.5	22	<0.005	108	0.03	0.79	<5	64	0.30	2.38	0.037	4.0
		15-Mar-07	118.6	36	<0.005	104	0.14	1.23	<5	26	0.42	1.80	0.031	24.7
		9-May-07	58.3	22		116	0.05	0.73	<5	62	0.38	2.13	0.063	35.7
		17-Jul-07	15.8	42		156	0.07	0.56	<5	94	0.57	3.10	0.063	12.0
		19-Sep-07	14.6	26		120	0.05	0.93	<5	76	0.50	4.25	0.014	9.2
		8-Nov-07	20.3	50	<0.005	112	0.03	1.18	<5	100	0.54	3.11	0.051	22.0
		7-Jan-08	76.4	22	<0.005	92	0.09	0.91	<6	50	0.39	2.10	0.036	12.8
		13-Mar-08	178.6	26	<0.005	72	0.06	0.80	<5	43	0.46	2.98	0.084	48.3
		19-May-08	165.4	30		68	0.04	0.44	<5	148	0.48	2.34	0.039	32.0
		23-Jul-08	29.1	20		116	0.1	0.72	<5	58	0.59	4.44	0.073	23.0
		17-Sep-08	23.6	40		136	0.19	0.73	<5	98	0.47	5.81	0.171	7.8
		13-Nov-08	13.1	52	<0.005	164	0.08	1.09	<5	76	0.30	2.23	0.047	14.2
		22-Jan-09	45.1	30	<0.005	104	0.12	0.74	<5	62	0.33	2.67	0.040	11.7
		9-Mar-09	72.9	38	<0.005	116	0.1	0.79	<5	60	0.46	2.26	0.062	8.6
		13-May-09	119.5	8		64	<0.03	0.43	<5	32	0.38	2.92	0.057	24.8
		13-Jul-09	19.6	44		124	0.07	0.87	<5	90	0.52	3.33	0.054	20.0
		9-Sep-09	15.3	32		140	0.05	0.56	<5	76	0.46	2.97	0.042	6.6
		9-Nov-09	44.1	34	<0.005	120	0.04	0.79	<5	90	0.49	2.73	0.065	16.8
		19-Jan-10	183.2	18	<0.005	88	0.06	0.86	<5	44	0.43	2.46	0.089	36.2
		24-Mar-10	199.0	14	<0.005	72	0.04	0.74	<5	39	0.50	2.39	0.075	37.3
		13-May-10		24		120	0.04	0.45	<5	82	0.80	3.19	0.110	31.2
		22-Jul-10	58.1	34		144	0.06	0.63	<5	82.4	0.88	3.20	0.149	30.7
		29-Sep-10	16.4	50		152	0.04	0.66	<5	102	0.30	3.32	0.031	8.7
		17-Nov-10	31.9	46	<0.005	152	0.03	0.79	<5	103	0.38	3.65	0.039	15.4
		2-Feb-11	69.1	34	<0.005	100	0.1	0.83	<5	54	0.72	2.65	0.082	20.9
		28-Mar-11	172.2	14	<0.005	72	0.05	0.61	<5	42	0.41	1.45	0.050	22.6
		25-May-11	126.6	14		84	0.03	0.53	<5	44.4	0.62	3.00	0.054	24.6

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Greenup	341	25-Jul-06	63.3	18		116	0.04	0.89	<5	56	0.26	3.09	0.063	13.2
		12-Sep-06	36.8	36		148	<0.03	0.93	<5	80	0.52	3.66	0.051	12.5
		28-Nov-06	73.4	20		100	0.1	0.65	<5	54	0.30	2.57	<0.01	10.0
		30-Jan-07	94.4	20		112	0.05	0.84	<5	62	0.49		0.047	13.0
		15-Mar-07	119.4	36		132	0.14	1.24	<5	58	0.43	1.80	0.043	31.3
		9-May-07	72.1	18		112	<0.03	0.65	<5	66	0.35	1.82	0.033	15.6
		26-Jul-07	18.4	48		156	0.03	0.69	<5	118	0.41	3.14	0.016	4.0
		13-Sep-07	31.4	40		160	0.07	1.11	<5	106	0.54	4.26	0.017	10.0
		29-Nov-07	113.2	56		140	0.1	0.87	<5	138	0.61	3.00	0.116	36.6
		29-Jan-08	45.4	24		100	<0.03	1.03	<6	66	0.41	2.30	0.058	9.3
		20-Mar-08	268.5	24		92	0.05	0.86	<5	57	0.60	3.72	0.107	76.0
		29-May-08	74.2	16		84	0.06	0.53	<5	64	0.71	2.72	0.047	10.6
		21-Jul-08	16.2	20		136	0.57	0.68	<5	74	1.15	3.75	0.028	6.4
		25-Sep-08	13.4	48		156	0.05	0.62	<5	124	0.42	3.20	0.044	12.6
		5-Nov-08	16.5	52		152	0.04	0.98	<5	116	0.66	3.07	0.093	29.0
		22-Jan-09	52.1	26		100	0.08	0.74	<5	68	0.36	2.79	0.034	11.2
		9-Mar-09	69.6	32		104	0.08	0.88	<5	84	0.44	2.08	0.060	9.7
		28-May-09	82.1	22		104	0.07	0.55	<5	68	0.45	2.60	0.025	15.0
		15-Jul-09	22.8	28		144	0.1	0.88	<5	66	0.56	3.48	0.063	11.8
		28-Sep-09	40.4	26		132	0.08	0.71	<5	84	0.73	3.61	0.102	18.4
		9-Nov-09	50.0	34		120	0.07	0.74	<5	82	0.44	2.61	0.047	13.0
		13-Jan-10	41.2	26		104	0.07	0.88	<5	62	0.34	2.12	0.042	4.6
		24-Mar-10	191.0	20		84	0.04	0.83	<5	52	0.64	2.87	0.329	42.5
		19-May-10	203.7	20		112	<0.03	0.57	<5	78	0.71	3.12	0.130	125.0
		29-Jul-10	26.2	28		136	<0.03	0.55	<5	63.4	0.76	3.73	0.046	7.0
		27-Sep-10	13.7	50		168	<0.03	0.60	<5	91.5	0.37	2.80	0.033	10.0
		18-Nov-10	29.2	48		164	0.03	0.80	<5	118	0.25	3.06	0.041	5.8
		10-Jan-11	69.1	32		108	0.08	0.82	<5	63.3	0.67	2.92	0.063	14.2
		8-Mar-11	327.8	18		84	0.06	0.76	<5	48.2	1.34	3.39	0.212	133.0
		11-May-11	183.3	14		124	0.05	0.45	<5	54.4	1.13	5.17	0.354	325.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Meldahl	436.2	12-Jul-06	50.0	30		132	<0.03	1.11	<5	70	0.54	2.18	0.051	8.0
		12-Sep-06	40.2	34		128	<0.03	0.87	<5	66	0.58	4.07	0.080	18.3
		28-Nov-06	84.3	26		112	0.1	0.80	**8.8**	60	0.44	2.92	0.024	10.7
		31-Jan-07	98.1	20		120	0.03	1.09	<5	59	0.47		0.059	18.0
		15-Mar-07	121.8	34		132	0.12	1.27	<5	52	0.47	2.10	0.065	31.7
		9-May-07	88.9	24		116	<0.03	0.77	<5	68	0.36	1.96	0.042	11.2
		25-Jul-07	21.7	42		192	0.03	0.50	<5	114	0.57	3.07	0.010	3.4
		13-Sep-07	33.0	38		160	0.05	1.18	<5	80	0.62	4.72	0.059	7.0
		29-Nov-07	120.4	32		152	0.07	0.93	<5	150	0.61	2.90	0.954	43.6
		28-Jan-08	46.8	24		96	0.05	0.88	<6	68	0.45	2.10	0.067	14.0
		26-Mar-08	242.4	28		124	<0.03	0.90	<5	50	0.65	3.68	0.109	90.8
		29-May-08	79.7	14		96	0.05	0.65	<5	146	0.18	2.92	0.058	8.7
		21-Jul-08	26.8	22		140	0.36	0.88	<5	70	0.90	3.76	0.018	7.0
		25-Sep-08	15.7	30		148	0.06	0.68	<5	132	0.37	2.90	0.024	4.8
		5-Nov-08	17.9	50		172	0.05	0.86	<5	124	0.21	2.39	0.030	2.8
		22-Jan-09	58.1	28		112	0.1	0.75	<5	62	0.44	2.86	0.048	15.5
		9-Mar-09	68.7	32		116	0.06	1.12	<5	74	0.32	2.05	0.057	8.3
		28-May-09	58.8	20		112	0.09	0.60	<5	66	0.54	2.86	0.032	10.4
		29-Jul-09	49.0	30		140	0.07	0.63	<5	120	0.57	3.07	0.036	10.3
		28-Sep-09	52.9	28		130	0.08	0.57	<5	78	0.80	4.76	0.124	28.2
		4-Nov-09	98.1	38		148	0.04	0.76	<5	80	0.58	3.51	0.128	31.8
		13-Jan-10	44.2	38		112	0.07	1.07	<5	60	0.40	2.34	0.064	8.8
		24-Mar-10	179.4	22		100	0.04	0.99	<5	45	0.69	3.87	0.922	53.2
		19-May-10	172.8	22		116	<0.03	0.66	<5	72	0.72	3.86	0.118	80.5
		29-Jul-10	36.4	20		116	<0.03	0.61	<5	53.2	0.75	5.61	0.087	32.6
		27-Sep-10	14.8	52		188	<0.03	0.61	<5	93	0.19	3.12	0.027	10.6
		23-Nov-10	40.5	48		160	<0.03	0.84	<5	111	0.27	2.34	0.049	10.7
		10-Jan-11	72.7	28		108	0.12	0.85	<5	62.6	0.70	2.38	0.079	16.0
		8-Mar-11	342.6	22		88	0.05	0.99	<5	44.3	0.71	3.39	0.253	146.0
		11-May-11	202.4	18		116	<0.03	0.73	<5	53.2	0.57	3.68	0.093	42.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Anderson Ferry	477.5	12-Jul-06	54.0	34		132	0.04	1.15	<5	72	0.57	2.50	0.044	9.0
		11-Sep-06	46.3	34		128	0.05	0.91	<5	72	0.64	4.39	0.079	19.8
		9-Nov-06	107.2	26		116	0.1	0.81	**10**	50	0.52	3.47	0.090	30.3
		24-Jan-07	210.0	30		120	<0.03	0.93	<5	53	1.55		0.309	160.0
		27-Mar-07	297.1	42		104	0.05	1.25	<5	62	0.57	2.50	0.116	74.0
		8-May-07	110.5	22		120	0.08	0.89	<5	70	0.73	2.33	0.045	24.3
		17-Jul-07	20.2	44		156	0.2	0.66	<5	104	0.59	3.39	0.044	7.8
		18-Sep-07	18.2	44		164	0.19	1.02	<5	100	0.59	4.54	0.042	8.4
		28-Nov-07	110.8	54		152	0.15	0.95	<5	138	0.61	3.40	0.082	23.2
		9-Jan-08	112.1	34		144	0.11	1.06	<6	58	0.55	2.70	0.063	33.8
		24-Mar-08	409.7	28		108	0.05	0.82	<5	45	0.96	4.53	0.181	168.0
		13-May-08	225.9	46		128	0.1	0.58	<5	78	0.81	3.12	0.105	73.2
		17-Jul-08	43.5	24		108	0.15	0.80	<5	64	0.59	3.92	0.059	16.5
		23-Sep-08	14.7	38		164	0.22	1.03	<5	112	0.81	5.16	0.035	6.4
		19-Nov-08	41.4	50		156	0.17	1.21	<5	8	0.37	3.26	0.057	<1
		14-Jan-09	220.6	22		100	0.1	0.84	<5	48	0.65	5.88	0.176	74.0
		9-Mar-09	73.4	36		124	0.18	0.93	<5	64	0.46	2.54	0.062	14.3
		28-May-09	67.4	24		108	0.17	0.64	<5	60	0.61	3.00	0.056	24.4
		29-Jul-09	56.5	30		144	0.14	0.78	<5	110	0.70	3.35	0.084	13.4
		21-Sep-09	23.3	38		166	0.42	0.73	<5	110	1.50	4.27	0.100	31.5
		3-Nov-09	100.6	40		144	0.14	0.80	<5	78	1.03	4.39	0.121	47.7
		12-Jan-10	47.0	36		120	0.11	1.09	<5	60	0.73	2.79	0.132	60.3
		23-Mar-10	190.9	28		104	0.07	1.01	<5	44	1.12	4.20	0.195	73.0
		20-May-10	216.4	22		120	0.04	0.66	<5	78	0.75	3.54	0.091	72.0
		13-Jul-10	23.4	30		152	0.12	0.96	<5	61.5	1.18	3.49	0.063	11.7
		20-Sep-10	18.1	48		172	0.03	0.78	<5	107	0.39	2.65	0.094	8.6
		9-Nov-10	36.2	62		188	0.06	0.87	<5	126	0.89	2.96	0.033	8.2
		18-Jan-11	43.1	36		124	0.15	0.94	<5	70.8	0.65	3.36	0.077	8.9
		8-Mar-11	368.8	26		96	0.07	1.15	<5	43	1.60	4.05	0.245	109.0
		24-May-11	241.9	22		120	<0.03	0.60	<5	50.8	0.95	2.98	0.184	76.6

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Markland	531.5	13-Jul-06	66.9	34		132	0.07	1.32	<5	70	0.50	2.52	0.072	7.8
		13-Sep-06	94.4	32		132	0.03	0.88	<5	64	0.67	4.06	0.080	24.0
		9-Nov-06	112.4	20		120	0.08	0.95	<5	44	0.51	3.77	0.074	18.8
		24-Jan-07	223.8	30		128	<0.03	1.02	<5	47	0.78		0.164	72.0
		27-Mar-07	314.8	32		120	0.03	1.39	<5	46	0.58	2.50	0.293	90.1
		22-May-07	68.8	24		140	<0.03	0.72	<5	71	0.69	2.83	0.041	15.0
		25-Jul-07	25.2	42		176	0.12	0.66	<5	108	0.71	3.28	0.452	4.6
		18-Sep-07	19.1	56		168	0.14	1.33	<5	130	0.47	4.67	0.063	4.8
		28-Nov-07	109.9	50		144	0.17	1.18	<5	104	0.55	3.40	0.073	16.0
		9-Jan-08	128.8	38		144	0.11	1.11	<6	56	0.58	2.60	0.038	16.4
		24-Mar-08	440.6	32		124	0.04	0.86	<5	44	0.94	4.98	0.202	238.0
		13-May-08	247.5	42		128	0.07	1.00	<5	68	0.87	3.37	0.100	54.9
		21-Jul-08	31.5	24		148	0.12	0.44	<5	50	0.86	5.50	0.131	9.5
		24-Sep-08	14.0	40		156	0.13	0.96	<5	88	0.59	3.60	0.040	2.4
		19-Nov-08	43.6	62		188	0.18	1.11	<5	120	0.42	2.43	0.065	5.5
		2-Feb-09	139.5	32		132	0.16	1.03	<5	68	0.70	3.98	0.150	75.2
		9-Mar-09	79.0	38		100	0.12	1.04	<5	72	0.54	2.54	0.071	15.3
		28-May-09	75.3	24		116	0.06	0.80	<5	52	0.42	2.89	0.029	13.2
		16-Jul-09	28.4	26		148	0.1	1.01	<5	92	1.03	3.14	0.062	9.5
		22-Sep-09	26.2	35		154	0.05	0.79	<5	100	0.57	3.87	0.057	10.3
		18-Nov-09	49.1	30		144	0.09	0.82	<5	82	0.63	2.69	0.054	12.8
		12-Jan-10	49.2	32		128	0.08	1.09	<5	56	0.80	3.07	0.138	58.8
		23-Mar-10	212.8	26		116	0.05	1.32	<5	42	1.00	4.16	0.159	57.0
		26-May-10	136.4	16		112	0.04	1.04	<5	52	0.81	4.61	0.105	40.7
		14-Jul-10	70.7	30		164	0.14	0.89	<5	59.5	0.65	3.71	0.088	12.8
		20-Sep-10	18.5	50		176	<0.03	0.91	<5	86.2	0.31	2.51	0.088	7.3
		9-Nov-10	37.1	58		180	0.08	0.82	<5	110	0.69	3.08	0.054	7.8
		18-Jan-11	56.8	40		124	0.19	1.03	<5	65	0.64	2.91	0.066	6.8
		8-Mar-11	408.9	24		84	0.06	1.34	<5	40.4	1.50	4.56	0.319	155.0
		25-May-11	249.6	20		132	<0.03	0.75	<5	49.1	1.04	3.26	0.137	70.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Louisville	600.6	26-Jul-06	78.0	18		140	<0.03	1.15	<5	60	0.47	3.42	0.092	10.6
		25-Sep-06	216.0	20		140	0.03	0.94	<5	54	0.83	4.86	0.308	79.3
		27-Nov-06	122.1	20		140	0.43	1.10	<5	60	0.38	2.69	0.104	40.8
		22-Jan-07	307.6	20		124	<0.03	1.02	<5	46	0.91		0.254	142.0
		22-Mar-07	342.8	30		124	0.08	1.26	<5	46	0.67	2.50	0.118	81.5
		8-May-07	131.2	20		144	0.06	0.91	<5	67	0.46	2.33	0.062	21.0
		18-Jul-07	21.1	36		140	<0.03	0.88	<5	78	0.59	3.16	0.047	5.6
		18-Sep-07	19.9	50		180	<0.03	1.30	<5	144	0.70	4.36	0.054	7.2
		26-Nov-07	61.2	60		168	0.05	1.32	<5	98	<0.1	3.79	0.033	6.0
		15-Jan-08	304.0	22		116	0.04	1.49	<6	50	0.55	4.00	0.177	60.0
		20-Mar-08	523.1	20		116	0.05	0.94	<5	25	1.73	6.80	0.534	252.0
		20-May-08	259.9	**R**		R	R	**R**	<5	**R**	R	R	R	R
		14-Jul-08	77.9	24		192	0.23	1.25	<5	70	1.11	3.76	0.339	290.0
		24-Sep-08	14.7	38		168	0.05	1.06	<5	104	0.48	3.00	0.083	2.4
		19-Nov-08	42.2	56		168	0.11	1.19	<5	114	0.38	2.64	0.075	9.8
		22-Jan-09	68.3	36		132	0.09	1.01	<5	50	1.12	4.82	0.224	117.0
		12-Mar-09	145.2	30		128	0.11	1.30	<5	82	0.43	2.39	0.090	27.5
		28-May-09	80.4	18		128	0.06	1.00	<5	58	0.55	3.23	0.083	45.6
		16-Jul-09	30.7	24		140	0.05	0.85	<5	92	0.58	3.38	0.081	27.4
		23-Sep-09	43.7	33		144	0.07	0.89	<5	84	0.68	3.87	0.092	22.3
		18-Nov-09	55.8	30		164	0.07	0.90	<5	92	0.66	2.91	0.067	13.0
		26-Jan-10	323.0	24		152	0.06	0.86	<5	49	1.04	6.35	0.269	161.0
		16-Mar-10	414.4	54		148	0.06	1.08	<5	64	0.78	4.58	0.208	73.0
		20-May-10	222.0	22		140	<0.03	1.04	<5	75	0.71	3.49	0.129	85.5
		22-Jul-10	137.1	30		172	<0.03	1.18	<5	73	0.69	3.46	0.134	19.4
		16-Sep-10	15.5	44		156	0.04	0.76	<5	89.6	0.57	3.17	0.074	13.2
		17-Nov-10	31.5	56		204	0.1	0.93	<5	114	0.50	3.73	0.033	9.6
		26-Jan-11	67.6	42		140	0.19	1.32	<5	68.5	0.50	2.75	0.082	8.7
		28-Mar-11	268.3	22		152	0.07	1.38	<5	55.1	0.79	2.48	0.109	47.6
		18-May-11	247.8	16		148	0.04	0.89	<5	54	0.92	2.54	0.168	172.0
McAlpine	606.8	20-May-10		22		92	<0.03	1.03	<5	75	0.91	3.49	0.188	136.0
		22-Jul-10		30		168	<0.03	1.17	<5	68.2	0.85	3.47	0.132	37.4
		16-Sep-10		44		160	0.04	0.74	<5	87.3	0.48	2.95	0.253	10.8
		17-Nov-10		58		184	0.07	0.94	<5	103	0.46	3.70	0.028	4.6
		26-Jan-11		44		136	0.23	1.32	<5	65.4	0.62	2.80	0.102	6.9
		28-Mar-11		24		112	0.04	1.03	<5	53.4	0.77	2.15	0.136	64.9
		18-May-11		18		152	0.04	0.85	<5	53.5	0.89	2.92	0.181	146.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
West Point	625.9	26-Jul-06	78.0	22		172	0.16	1.11	<5	72	0.76	3.22	0.247	117.0
		25-Sep-06	216.0	26		140	0.05	0.83	<5	54	1.06	4.87	0.444	131.0
		27-Nov-06	122.1	22		132	0.17	0.86	<5	58	0.54	2.86	0.114	33.1
		22-Jan-07	307.6	16		128	<0.03	0.96	<5	47	0.81		0.186	95.6
		22-Mar-07	342.8	26		204	0.17	1.26	<5	48	0.91	2.40	0.579	243.0
		8-May-07	131.2	20		132	0.14	0.92	<5	66	0.42	2.37	0.092	28.0
		18-Jul-07	21.1	40		164	0.22	0.78	<5	86	0.84	3.96	0.091	5.0
		18-Sep-07	19.9	66		216	0.21	1.21	<5	168	0.54	3.79	0.064	7.4
		26-Nov-07	61.2	52		212	0.21	1.24	<5	134	1.08	4.40	0.105	15.8
		15-Jan-08	304.0	28		136	0.18	1.55	<6	52	0.93	3.50	0.280	124.0
		20-Mar-08	523.1	16		116	0.04	1.03	<5	35	1.19	5.48	0.469	204.0
		20-May-08	259.9	14		96	0.06	0.83	<5	52	0.98	4.54	0.245	171.0
		14-Jul-08	77.9	26		180	0.41	1.39	<5	86	0.77	4.54	0.123	27.0
		24-Sep-08	14.7	42		188	0.09	1.07	<5	134	0.40	3.30	0.054	4.2
		19-Nov-08	42.2	66		200	0.31	1.36	<5	146	0.68	2.93	0.097	22.5
		22-Jan-09	68.3	34		160	0.27	1.00	<5	74	0.99	4.08	0.159	50.0
		12-Mar-09	145.2	34		140	0.18	1.32	<5	76	0.52	2.47	0.121	40.5
		28-May-09	80.4	24		148	0.18	1.07	<5	70	0.81	3.32	0.176	70.0
		16-Jul-09	30.7	38		204	0.19	1.06	<5	130	0.82	3.51	0.118	18.0
		9-Sep-09	34.7	38		180	0.07	0.92	<5	140	0.54	3.43	0.070	15.8
		18-Nov-09	55.8	36		204	0.36	1.17	<5	110	1.29	4.44	0.185	75.6
		26-Jan-10	323.0	26		132	0.07	0.94	<5	54	0.92	5.98	0.208	129.0
		16-Mar-10	414.4	60		172	0.08	1.14	<5	72	1.19	5.98	0.390	169.0
		20-May-10	222.0	28		172	0.04	1.01	<5	84	1.05	3.72	0.349	226.0
		22-Jul-10	137.1	34		176	0.07	1.25	<5	73.2	0.98	3.60	0.145	46.1
		16-Sep-10	15.5	50		248	0.04	0.95	<5	135	0.43	3.54	0.061	6.8
		17-Nov-10	31.5	62		220	0.27	1.04	<5	128	0.93	3.70	0.093	7.4
		26-Jan-11	67.6	48		172	0.42	1.38	<5	88.2	1.00	3.18	0.140	14.7
		28-Mar-11	268.3	24		112	0.05	1.05	<5	52.9	0.83	2.23	0.122	44.9
		18-May-11	247.8	18		164	0.08	0.81	<5	54.8	1.27	3.76	0.307	234.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Cannelton	720.7	27-Jul-06	72.8	20		140	0.03	1.10	<5	66	0.52	3.15	0.131	7.2
		14-Sep-06	99.4	34		140	0.04	0.86	<5	68	0.43	2.96	0.093	22.2
		1-Nov-06	311.7	20		152	0.03	0.89	<5	56	1.20	4.30	0.383	212.0
		31-Jan-07	134.1	22		140	0.05	1.24	<5	50	0.57		0.094	28.4
		13-Mar-07	161.1	40		168	0.1	1.26	<5	44	0.57	2.70	0.104	67.0
		8-May-07	143.7	20		132	0.05	1.03	<5	55	0.48	2.50	0.069	25.1
		24-Jul-07	34.8	42		156	0.06	0.92	<5	84	0.57	3.12	0.028	3.0
		19-Sep-07	19.8	54		180	0.03	0.90	<5	120	0.47	3.81	0.031	6.4
		27-Nov-07	93.8	52		160	0.13	1.23	<5	98	0.66	2.68	0.066	9.8
		23-Jan-08	114.6	24		124	<0.03	1.49	<6	58	0.50	2.70	0.093	25.6
		18-Mar-08	320.1	38		152	<0.03	1.34	<5	42	0.54	3.29	0.195	83.0
		21-May-08	272.3	16		112	0.04	0.90	<5	46	2.77	4.12	0.174	96.3
		23-Jul-08	35.4	28		136	0.04	1.09	<5	70	0.40	4.28	0.057	8.0
		18-Sep-08	27.6	40		184	0.08	1.43	<5	88	0.45	5.84	0.035	4.8
		18-Nov-08	26.9	44		168	0.07	1.39	<5	112	0.36	2.68	0.064	4.5
		3-Feb-09	177.5	40		128	0.15	1.22	<5	64	0.64	4.12	0.244	106.0
		10-Mar-09	83.5	30		124	0.11	1.30	<5	62	0.43	2.58	0.070	15.3
		20-May-09	135.4	18		168	0.06	0.99	<5	58	0.64	4.30	0.276	42.8
		22-Jul-09	24.5	40		148	0.08	1.06	<5	120	0.59	2.97	0.072	10.5
		23-Sep-09	62.7	32		146	0.03	0.82	<5	78	0.70	3.34	0.099	15.4
		18-Nov-09	63.8	28		160	0.08	0.96	<5	78	0.58	3.23	0.078	9.2
		12-Jan-10	59.6	22		116	0.06	1.08	<5	56	0.45	2.75	0.076	10.2
		24-Mar-10	234.7	24		112	0.03	1.11	<5	47	0.95	5.08	0.239	108.0
		11-May-10	145.6	14		116	<0.03	0.67	<5	44	0.68	5.26	0.135	35.5
		13-Jul-10	23.1	26		164	0.05	1.38	<5	58	0.71	3.74	0.059	6.9
		7-Sep-10	14.8	32		160	<0.03	0.65	<5	83.8	0.79	3.76	0.446	8.5
		2-Nov-10	32.7	52		200	<0.03	1.02	<5	113	0.47	3.13	0.063	7.8
		26-Jan-11	51.2	50		132	0.16	1.31	<5	58.8	0.66	2.54	0.086	10.0
		30-Mar-11	256.7	20		116	0.04	0.97	<5	52	0.51	2.38	0.128	61.2
		24-May-11	317.9	20		140	<0.03	0.82	<5	60.6	0.83	2.30	0.163	96.6

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Newburgh	776	13-Jul-06	71.0	22		136	0.04	1.44	<5	72	0.66	2.29	0.098	26.8
		14-Sep-06	101.5	34		148	<0.03	0.96	<5	76	0.65	4.26	0.117	31.3
		9-Nov-06	176.0	16		128	0.03	0.95	**6.3**	62	0.63	4.36	0.166	77.0
		11-Jan-07	317.7	24		180	<0.03	1.25	<5	56	1.04	3.91	0.257	122.0
		8-Mar-07	411.0	36		140	0.12	1.10	<5	54	1.45	3.70	0.502	219.0
		3-May-07	141.8	18		136	<0.03	1.10	<5	70	0.37	2.94	0.084	42.5
		19-Jul-07	21.6	30		152	0.04	0.93	<5	80	0.46	3.32	0.014	2.8
		13-Sep-07	26.8	46		176	0.18	1.19	<5	110	0.38	3.10	0.046	3.6
		8-Nov-07	33.0	32		144	0.05	1.70	<5	98	0.69	4.72	0.078	4.4
		10-Jan-08	181.9	34		128	0.17	1.44	<6	68	0.67	3.00	0.137	76.3
		6-Mar-08	358.3	32		136	0.05	1.25	<5	56	0.70	3.70	0.259	173.0
		1-May-08	98.7	34		152	<0.03	0.88	<5	72	0.52	2.31	0.045	22.6
		10-Jul-08	78.7	18		200	0.14	1.23	<5	74	0.58	3.54	0.047	16.5
		4-Sep-08	20.6	26		164	0.06	1.28	<5	80	0.71	4.25	0.033	9.3
		6-Nov-08	25.0	46		184	0.05	1.51	<5	114	0.26	3.14	0.086	4.2
		8-Jan-09	121.1	24		128	0.13	1.37	<5	60	0.51	4.38	0.134	43.7
		5-Mar-09	180.0	26		124	0.1	1.41	<5	68	0.59	4.36	0.235	94.0
		7-May-09	239.3	10		160	0.06	1.21	<5	66	0.52	3.55	0.161	57.7
		23-Jul-09	56.4	22		120	0.06	1.12	<5	100	0.56	2.94	0.075	14.0
		3-Sep-09	34.7	22		156	0.04	0.79	<5	74	0.57	3.72	0.074	9.2
		12-Nov-09	61.1	26		160	0.04	1.00	<5	76	0.59	3.94	0.087	10.0
		28-Jan-10		22		136	0.07	**10.40**	<5	52	0.40	4.46	0.408	211.0
		4-Mar-10	132.9	32		148	0.08	0.97	<5	69	0.60	2.43	0.105	37.1
		6-May-10	441.7	22		152	<0.03	0.67	<5	54	1.16	5.52	0.614	234.0
		8-Jul-10	29.7	24		160	<0.03	1.20	<5	62	1.39	5.25	0.100	12.7
		16-Sep-10	18.7	40		160	<0.03	0.64	<5	85.8	0.44	2.95	0.073	11.2
		4-Nov-10	31.9	54		196	0.04	1.05	<5	110	0.25	3.15	0.056	5.9
		6-Jan-11	192.3	34		144	0.08	1.20	<5	64.4	1.01	4.15	0.182	93.3
		10-Mar-11	572.9	28		116	0.05	1.44	<5	49.8	0.82	3.79	0.283	67.3
		12-May-11	445.7	16		132	<0.03	0.89	<5	50.4	0.52	4.47	0.162	68.4

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
J.T. Myers	846	13-Jul-06	81.7	30		144	0.03	1.21	<5	76	0.65	1.89	0.106	14.4
		14-Sep-06	100.4	42		148	<0.03	1.03	<5	70	0.27	3.36	0.118	30.0
		9-Nov-06	229.0	16		124	<0.03	0.96	**10**	64	0.90	3.47	0.185	92.0
		11-Jan-07	396.6	24		172	0.03	1.28	<5	60	0.58	3.33	0.152	64.0
		8-Mar-07	499.6	36		140	<0.03	1.06	<5	50	1.38	3.80	0.458	243.0
		3-May-07	194.1	16		160	0.04	1.00	<5	64	0.39	2.15	0.087	49.1
		19-Jul-07	29.4	32		144	0.03	0.92	<5	84	0.47	3.13	0.014	4.6
		13-Sep-07	32.2	36		176	0.05	0.85	<5	96	0.32	2.72	0.012	7.6
		8-Nov-07	38.9	32		124	0.05	1.99	<5	104	0.66	4.44	0.089	6.2
		10-Jan-08	191.8	34		128	0.05	1.59	<6	58	0.62	2.90	0.158	104.0
		6-Mar-08	373.4	34		116	0.03	1.14	<5	86	1.07	3.39	0.225	102.0
		1-May-08	125.8	16		144	<0.03	0.90	<5	58	0.46	2.28	0.036	12.8
		10-Jul-08	120.4	20		144	0.14	1.61	<5	74	0.51	3.76	0.044	10.4
		4-Sep-08	31.1	14		164	0.1	0.87	<5	82	0.91	4.51	0.025	9.0
		6-Nov-08	33.0	38		184	0.05	0.98	<5	112	0.51	3.04	0.082	6.9
		8-Jan-09	190.8	22		116	0.12	1.30	<5	56	0.85	5.23	0.177	79.6
		5-Mar-09	233.0	30		120	0.12	1.44	<5	56	0.58	4.05	0.201	84.0
		7-May-09	311.7	10		132	0.06	1.10	<5	70	0.60	3.53	0.124	59.7
		23-Jul-09	69.2	22		156	0.03	1.13	<5	98	0.68	3.24	0.088	22.0
		3-Sep-09	46.5	16		136	0.04	0.79	<5	64	0.63	4.07	0.066	9.8
		12-Nov-09	69.2	24		156	<0.03	0.93	<5	74	0.61	4.18	0.084	15.1
		28-Jan-10		24		128	0.05	0.98	<5	57	0.89	5.13	0.304	163.0
		4-Mar-10	182.1	32		140	0.07	0.98	<5	62	0.73	3.51	0.127	38.8
		6-May-10	460.2	18		152	<0.03	0.68	<5	55	1.23	5.48	0.546	267.0
		8-Jul-10	104.0	22		152	0.07	1.13	<5	62	0.79	3.74	0.046	6.8
		16-Sep-10	26.0	32		140	<0.03	0.69	<5	60.2	1.00	3.30	0.444	11.0
		3-Nov-10	39.0	48		200	<0.03	1.06	<5	117	0.41	3.16	0.058	8.2
		6-Jan-11	221.0	32		128	0.1	1.11	<5	59.4	0.87	4.78	0.133	65.2
		10-Mar-11	705.4	28		112	0.04	1.42	<5	40.4	0.97	3.20	0.281	112.0
		23-May-11	368.9	18		132	<0.03	0.85	<5	56.9	1.16	2.61	0.190	110.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
Smithland	918.5	10-Jul-06	162.6	86		168	0.05	1.50	<5	80	0.53	2.52	0.092	9.2
		19-Sep-06	129.2	34		148	0.04	1.03	<5	66	0.46	3.62	0.084	21.4
		14-Nov-06	196.2	18		156	<0.03	1.27	**12.7**	56	0.51	3.77	0.105	33.0
		30-Jan-07	399.2	20		172	<0.03	2.07	<5	47	0.98		0.215	81.0
		21-Mar-07	327.6	30		260	0.06	1.73	<5	42	0.98	3.30	0.483	302.0
		21-May-07	71.4	46		164	0.05	1.12	<5	71	0.47	3.16	0.040	7.8
		25-Jul-07	47.2	32		168	0.2	0.61	<5	82	0.59	3.41	0.024	1.8
		20-Sep-07	29.6	44		180	0.09	0.61	<5	88	0.50	2.68	0.032	3.2
		28-Nov-07	121.7	50		172	0.07	1.20	<5	88	0.64	4.56	0.083	10.8
		24-Jan-08	215.3	20		164	<0.03	2.87	<6	52	0.66	4.10	0.227	86.0
		17-Mar-08	617.8	86		184	0.03	1.84	<5	40	0.50	4.36	0.207	68.0
		22-May-08	443.9	16		144	0.08	1.65	<5	42	1.13	4.77	0.375	239.0
		22-Jul-08	81.1	16		164	<0.03	1.61	<5	52	0.57	4.62	0.110	19.3
		17-Sep-08	46.2	30		176	0.18	0.78	<5	74	1.06	5.71	0.036	6.8
		17-Nov-08	42.2	40		192	0.13	1.01	<5	100	0.47	2.92	0.098	3.3
		2-Feb-09	243.1	26		140	0.15	1.39	<5	56	0.91	4.76	0.271	185.0
		10-Mar-09	141.0	30		152	0.11	2.03	<5	66	0.63	3.81	0.188	59.0
		19-May-09	407.8	14		136	0.05	1.03	<5	62	0.78	6.60	0.209	111.0
		21-Jul-09	59.8	22		172	0.08	1.06	<5	82	0.70	3.33	0.069	11.4
		16-Sep-09	33.1	20		146	0.11	0.68	<5	67	0.68	3.96	0.070	8.5
		2-Nov-09	237.4	24		156	<0.03	1.09	<5	60	0.98	5.72	0.334	51.2
		13-Jan-10	92.0	22		156	0.05	1.57	<5	58	0.68	4.40	0.155	49.8
		25-Mar-10	461.1	26		148	0.04	1.86	<5	48	0.86	7.29	0.279	119.0
		13-May-10		18		140	0.04	1.23	<5	42	0.96	6.73	0.294	108.0
		15-Jul-10	89.6	24		196	0.08	1.22	<5	46.2	1.04	3.86	0.100	15.5
		9-Sep-10	25.8	26		180	<0.03	0.58	<5	74.4	0.52	4.21	0.031	12.6
		3-Nov-10	42.9	48		196	0.04	0.80	<5	104	0.69	3.43	0.043	9.5
		27-Jan-11	70.4	40		148	0.1	1.70	<5	73.4	0.49	2.53	0.099	11.8
		29-Mar-11	392.9	20		136	0.04	1.48	<5	47.2	0.81	3.58	0.193	74.7
		23-May-11	363.9	18		144	0.03	1.12	<5	49.4	0.89	3.89	0.184	116.0

Station Name	River Mile	Date	Flow (kcfs)	Chloride (mg/L)	Cyanide (ug/L)	Hardness (mg/L)	NH3-N (mg/L)	NO2-NO3-N (mg/L)	Phenols (ug/L)	Sulfate (mg/L)	TKN (mg/L)	TOC (mg/L)	TPhos (mg/L)	TSS (mg/L)
Criteria				250 mg/L (HH)	700 ug/L (HH)			10 mg/L (HH)	5 ug/L (HH)	250 mg/L (HH)				
L&D 52	938.9	10-Jul-06	146.3	52		184	<0.03	1.59	<5	78	0.67	2.76	0.128	13.4
		19-Sep-06	179.4	32		136	0.03	1.01	**6.44**	66	0.78	3.56	0.088	42.7
		14-Nov-06	243.9	18		144	<0.03	1.17	**10**	50	0.63	4.65	0.178	76.0
		30-Jan-07	488.0	16		148	0.03	1.84	<5	39	0.99		0.259	96.5
		21-Mar-07	375.2			288	0.04	1.72	<5		0.86	3.30	0.285	
		21-May-07	117.8	36		172	0.05	1.32	<5	65	0.57	3.24	0.058	15.2
		25-Jul-07	94.1	34		164	0.06	0.55	<5	66	0.61	3.49	0.040	15.8
		20-Sep-07	61.9	32		152	<0.03	0.45	<5	64	0.52	3.86	0.034	7.4
		28-Nov-07	194.1	42		172	0.09	1.27	<5	98	0.58	4.48	0.115	45.0
		24-Jan-08	249.7	20		164	<0.03	3.02	<6	42	0.96	3.90	0.305	124.0
		17-Mar-08	633.5	38		104	<0.03	1.71	<5	40	0.55	4.96	0.200	64.0
		22-May-08	402.7	12		176	0.1	1.47	<5	148	1.85	5.14	0.518	513.0
		21-Jul-08	134.4	22		164	0.04	1.48	<5	60	0.53	4.32	0.118	28.8
		16-Sep-08	76.8	28		180	1.05	1.00	<5	74	2.20	6.00	0.061	17.5
		17-Nov-08	46.1	34		160	0.1	0.72	<5	82	0.55	3.17	0.089	14.7
		2-Feb-09	433.8	22		164	0.15	1.40	<5	56	0.99	4.80	0.310	248.0
		11-Mar-09	259.3	34		148	0.12	2.01	<5	58	0.71	4.66	0.296	131.0
		19-May-09	628.4	16		116	0.05	1.03	<5	52	0.76	5.85	0.152	83.2
		21-Jul-09	148.6	22		156	0.09	0.95	<5	70	0.71	3.58	0.092	9.5
		16-Sep-09	80.9	16		130	0.1	0.45	<5	50	0.63	3.79	0.074	9.7
		3-Nov-09	307.7	24		220	<0.03	1.04	<5	56	0.90	6.11	0.224	91.1
		12-Jan-10		24		160	0.07	1.56	<5	58	0.72	4.10	0.146	42.2
		25-Mar-10		28		148	0.04	1.75	<5	56	0.92	6.00	1.320	92.0
		12-May-10		18		132	<0.03	0.91	<5	46	0.79	6.01	0.266	74.8
		14-Jul-10		22		180	0.06	1.00	<5	38.2	1.04	3.64	0.095	24.7
		8-Sep-10		20		144	<0.03	0.44	<5	61.4	1.22	4.22	0.029	19.0
		3-Nov-10		30		140	0.05	0.46	<5	54.6	0.82	3.04	0.075	11.0
		27-Jan-11		38		152	0.1	1.62	<5	73.2	0.55	2.54	0.099	15.8
		16-Mar-11		20		104	0.07	1.63	<5	34.9	1.08	4.93	0.192	14.4
		23-May-11		14		144	0.09	0.85	<5	42	1.83	5.15	0.287	77.0

Appendix E: Dissolved Oxygen and Temperature Sampling Results

Ohio River Station	Mile Point	2007 % Days Exceeding	2008 % Days Exceeding	2009 % Days Exceeding	2010 % Days Exceeding	2011 % Days Exceeding	2007-2011 % Days Exceeding	Impairment Indicated
Montgomery	31.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	None
Hannibal	126.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	None
Racine	237.5	0.0%	0.88%	0.0%	1.9%	7.6%	2.10%	None
Kyger	260	0.0%	0.0%	3.6%	5.5%	14.4%	5.3%	None
Greenup	341							
Upstream		6.6%	13.0%	4.7%	13.7%	2.7%	8.1%	None
Downstream		0.0%	0.88%	1.9%	6.3%	9.7%	5.00%	None
Markland	531.5							
DO #1-DS Hydro		0.0%	1.1%	13.8%	27.7%	17.7%	12.6%	Partially Supporting
DO #2-US Hydro		0.0%	0.0%	0.0%	NA	3.3%	0.80%	None
DO #3-DS Lock		NA	NA	NA	NA	0.0%	0.0%	None
DO #4-US Lock		NA	NA	NA	NA	0.0%	0.0%	None
McAlpine	606.8	NA	NA	NA	NA	0.0%	0.0%	None
Cannelton	720.7	29.9%	33.0%	0.0%	11.7%	NA	18.7%	Partially Supporting
Newburgh	776.1	19.0%	0.0%	0.0%	0.0%	NA	4.8%	None
John T. Myers	846	18.7%	4.7%	0.0%	12.9%	0.0%	7.3%	None
Smithland	919	NA	22.4%	5.0%	4.7%	36.8%	17.2%	Partially Supporting

Daily Dissovled Oxygen May 2007

CALENDAR DAY JULIAN DAY		1-May 121	2-May 122	3-May 123	7-May 127	8-May 128	9-May 129	10-May 130	11-May 131	14-May 134	15-May 135	16-May 136	17-May 137	18-May 138	21-May 141	22-May 142	23-May 143	24-May 144	25-May 145	29-May 149	30-May 150	31-May 151	Monthly % Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	8.31	8.34	8.28	7.88	7.82	7.85	8.70	13.88	7.67	7.55	7.38	7.73	7.70	7.70	7.71	7.71	8.43	8.21	8.43	8.61	8.61	
MP 126.4	MIN	7.71	7.82	8.04	7.61	7.62	7.62	6.92	2.42	6.68	7.28	7.11	7.16	7.44	7.56	7.56	7.55	7.61	8.04	8.30	8.45	8.51	
UPSTREAM	AVG	8.17	8.13	8.17	7.71	7.70	7.70	7.79	7.61	7.48	7.44	7.24	7.44	7.58	7.62	7.64	7.63	8.13	8.11	8.35	8.54	8.56	0.00%
RACINE***	MAX	10.71	10.61	10.58	No	10.35	10.24	10.20	10.14	11.15	11.54	11.18	10.56	10.31	69.42	10.51	10.68	11.07	11.21	10.40	10.12	9.74	
MP 237.5	MIN	10.57	10.47	10.38	Data	10.11	9.90	9.90	9.95	10.58	10.57	10.54	10.12	9.75	68.79	9.92	9.90	10.45	10.72	10.05	9.74	9.07	
	AVG	10.66	10.55	10.50	Available	10.20	10.08	10.03	10.05	10.86	10.91	10.91	10.40	10.10	69.15	10.18	10.15	10.73	10.95	10.19	9.95	9.43	0.00%
KYGER	MAX	10.30	10.25	10.15	No	9.74	9.94	10.03	9.96	10.58	10.99	11.04	10.51	10.13	10.44	10.08	10.32	10.97	9.72	9.84	9.46	9.29	
MP 260.0	MIN	9.96	9.72	9.74	Data	9.50	5.86	9.70	9.65	9.82	10.03	10.15	9.89	9.53	9.79	9.53	9.65	9.41	9.38	9.38	9.00	8.88	
	AVG	10.23	9.92	9.93	Available	9.65	7.38	9.85	9.80	10.28	10.65	10.67	10.22	9.85	10.15	9.82	9.96	9.85	9.58	9.62	9.17	9.05	0.00%
GREENUP***	MAX	9.12	9.79	8.78	9.07	8.81	8.93	9.19	9.50	9.60	9.74	9.65	9.41	9.48	10.68	10.97	11.18	11.54	11.52	9.79	9.72	9.14	
MP 341.0	MIN	8.76	8.59	8.59	8.38	8.64	8.71	8.88	9.07	9.00	8.90	8.64	8.59	8.98	9.41	9.67	9.72	10.10	10.25	9.00	8.83	8.18	
UPSTREAM	AVG	8.95	8.77	8.68	8.65	8.73	8.84	9.05	9.26	9.28	9.28	9.12	9.07	9.23	10.04	10.35	10.37	10.87	10.81	9.39	9.21	8.71	0.00%
DOWNSTREAM	MAX	10.10	9.74	9.65	9.50	9.34	9.00	8.78	9.82	10.37	10.63	10.34	10.15	10.56	11.93	12.48	10.46	12.41	11.35	9.02	9.14	8.23	
	MIN	9.70	9.36	8.62	9.17	8.98	8.71	8.38	8.16	7.97	9.86	8.88	8.81	10.03	10.44	10.15	9.29	9.58	10.44	8.50	7.97	7.25	
	AVG	9.88	9.64	9.15	9.38	9.22	8.87	8.57	8.89	9.68	10.17	10.01	9.57	10.28	11.21	11.22	9.82	11.49	10.87	8.72	8.47	7.82	0.00%
MARKLAND***	MAX	7.37	7.97	5.74	8.81	8.86	8.93	9.05	9.31	9.60	10.97	9.89	9.26	8.74	10.63	10.87	10.49	10.22	9.89	9.26	9.02	9.67	
MP 531.5	MIN	3.19	5.11	4.80	8.64	8.62	8.86	8.88	8.86	9.07	8.98	9.05	8.74	8.40	8.74	9.10	9.22	9.31	8.71	8.50	8.09	8.14	
D.O. #1	AVG	4.84**	6.52	5.35	8.74	8.74	8.89	8.99	9.06	9.27	9.66	9.48	9.01	8.59	9.58	9.81	9.75	9.79	9.38	8.96	8.57	9.03	0.00%
D.O. #2	MAX	8.57	8.42	6.50	9.00	9.10	9.14	9.36	9.60	9.82	11.16	10.25	9.53	8.78	10.44	10.97	10.68	10.37	9.82	9.12	8.88	9.62	
	MIN	5.74	5.76	4.94	8.83	8.86	9.05	9.12	9.12	9.22	9.17	9.24	8.86	8.54	8.66	9.22	9.34	9.41	8.90	8.42	8.09	8.11	
	AVG	7.16	7.74	5.99	8.92	8.98	9.10	9.27	9.33	9.45	9.84	9.79	9.31	8.66	9.53	9.87	9.83	9.94	9.51	8.85	8.48	9.02	0.00%
CANNELTON	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	9.89	11.21	10.07	9.31	9.58	
MP 720.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	9.47	9.36	9.40	8.81	8.25	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	9.69	9.99	9.75	9.14	8.93	0.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	9.57	10.25	No	No	No	
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	8.86	9.18	Data	Data	Data	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	9.24	9.55	Available	Available	Available	0.00%
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	10.76	9.73	9.33	9.46	8.88	
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	8.00	8.39	8.35	8.32	7.22	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	9.66	9.00	8.70	8.87	8.01	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen June 2007

CALENDAR DAY		1-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	Monthly
JULIAN DAY		152	155	156	157	158	159	162	163	164	165	166	169	170	171	172	173	176	177	178	179	180	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	9.32	9.05	8.76	9.85	10.74	8.95	8.62	9.39	7.99	7.92	7.82	8.13	10.14	10.94	10.97	9.73	
MP 31.7	MIN	Data	Data	Data	Data	Data	7.39	7.81	7.69	7.26	7.97	7.60	7.07	6.70	7.12	6.54	6.21	7.16	7.10	9.41	7.99	7.98	
	AVG	Available	Available	Available	Available	Available	8.28	8.42	8.33	8.49	9.15	8.20	7.72	8.23	7.48	7.34	7.22	7.77	8.86	9.97	9.36	8.82	0.00%
HANNIBAL***	MAX	8.69	8.85	8.93	9.03	9.12	9.08	8.90	9.12	9.08	9.18	9.38	7.26	8.60	8.09	6.72	8.01	7.44	8.43	8.73	9.05	7.68	
MP 126.4	MIN	8.57	8.75	8.79	8.82	8.85	8.78	8.75	8.75	8.96	9.00	9.11	7.02	6.96	6.71	5.94	5.55	5.60	6.65	8.09	7.20	6.99	
UPSTREAM	AVG	8.64	8.79	8.86	8.95	8.94	8.88	8.82	8.93	9.04	9.10	9.28	7.13	7.55	7.12	6.29	6.57	6.36	7.36	8.45	7.98	7.36	0.00%
RACINE***	MAX	8.94	7.79	7.28	6.51	5.99	6.69	6.57	6.71	No	7.35	7.50	8.68	8.58	8.10	8.19	8.06	7.19	7.58	7.24	7.88	7.61	
MP 237.5	MIN	8.34	7.27	6.43	5.86	5.55	5.52	6.30	6.37	Data	6.51	6.89	7.63	7.82	7.64	7.63	6.90	6.17	6.90	6.90	7.09	7.18	
	AVG	8.65	7.62	6.80	6.21	5.72	6.28	6.43	6.52	Available	6.88	7.15	8.02	8.05	7.86	7.94	7.36	6.62	7.28	7.03	7.51	7.39	0.00%
KYGER	MAX	10.27	7.39	10.56	7.34	7.03	6.72	7.78	6.29	6.41	6.34	7.20	6.86	7.99	7.58	7.25	6.94	*	*	*	*	7.99	
MP 260.0	MIN	8.40	6.79	6.96	6.98	6.53	6.38	5.98	5.93	5.88	5.98	6.19	6.43	7.20	6.72	6.31	5.11	*	*	*	*	7.06	
	AVG	8.97	7.10	7.33	7.12	6.72	6.55	6.49	6.08	6.15	6.14	6.42	6.61	7.61	7.25	6.72	5.69	*	*	*	*	7.50	0.00%
GREENUP***	MAX	8.26	10.73	10.06	6.77	6.86	6.84	8.35	6.62	6.65	No	No	No	8.81	6.38	6.50	6.98	No	6.05	6.19	9.10	5.59	
MP 341.0	MIN	7.78	9.24	6.36	6.07	6.05	6.19	6.53	6.36	6.24	Data	Data	Data	6.07	5.26	5.59	6.17	Data	4.61	4.54	4.70	4.42	
UPSTREAM	AVG	8.06	9.86	7.82	6.39	6.42	6.44	7.08	6.51	6.41	Available	Available	Available	6.65	5.74	6.20	6.49	Available	5.29	5.58	5.98	5.14	0.00%
DOWNSTREAM	MAX	7.61	8.52	8.33	7.94	8.30	7.75	11.98	6.74	6.60	No	No	No	8.45	6.43	6.67	6.96	No	8.86	10.34	16.54	11.16	
	MIN	7.13	5.81	7.85	7.32	7.44	5.28	6.60	6.41	6.22	Data	Data	Data	4.61	5.64	5.71	6.31	Data	7.01	7.15	9.89	10.44	
	AVG	7.33	7.74	8.09	7.61	7.81	6.52	7.10	6.59	6.40	Available	Available	Available	6.56	6.09	6.31	6.59	Available	7.86	8.77	10.52	10.89	0.00%
MARKLAND***	MAX	9.24	7.03	6.82	6.70	6.38	6.10	6.02	7.90	7.30	8.02	7.70	5.38	5.76	5.98	5.54	4.94	5.90	5.98	6.19	No	6.60	
MP 531.5	MIN	7.54	6.24	4.94	5.57	5.33	5.33	4.68	5.26	5.71	6.02	5.23	4.22	4.87	4.99	4.42	4.25	4.80	4.70	4.61	Data	5.18	
D.O. #1	AVG	8.62	6.67	5.70	6.02	5.89	5.73	5.38	6.60	6.61	6.74	6.45	4.86**	5.29	5.59	4.97**	4.52**	5.23	5.32	5.32	Available	5.87	0.00%
D.O. #2	MAX	9.10	7.13	6.22	7.10	6.17	5.71	*	8.11	7.56	8.11	7.80	4.61	4.87	4.92	4.51	3.46	5.81	5.98	6.29	No	7.22	
	MIN	7.49	6.26	5.23	5.57	5.11	5.06	*	4.30	5.98	5.98	5.14	3.72	3.91	4.49	3.31	3.02	4.75**	4.75**	4.66**	Data	5.74	
	AVG	8.52	6.73	5.54	6.09	5.72	5.39	*	6.57	6.82	6.77	6.41	4.24**	4.49**	4.69**	4.04**	3.22**	5.18	5.40	5.38	Available	6.36	0.00%
CANNELTON	MAX	8.78	7.43	6.84	6.92	6.41	6.51	6.22	6.13	6.43	6.21	7.42	9.15	6.20	5.90	6.65	8.57	6.34	6.62	6.77	6.28	7.42	
MP 720.7	MIN	8.14	6.55	6.14	6.15	5.59	5.97	5.37	5.42	5.49	5.65	5.21	5.31	5.15	5.07	5.63	5.76	5.75	5.66	5.33	5.31	4.88	
	AVG	8.44	6.95	6.46	6.54	5.99	6.19	5.72	5.69	5.85	6.02	6.13	7.23	5.62	5.38	5.98	7.08	6.01	6.00	5.91	5.65	6.08	0.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
JOHN T. MYERS	MAX	7.90	7.01	6.58	6.86	6.77	6.77	6.46	6.57	7.23	8.04	9.88	8.83	7.43	7.00	7.41	7.77	6.87	6.62	6.08	5.81	5.38	
MP 846.0	MIN	7.27	6.26	5.88	6.31	5.92	5.68	5.28	5.69	5.46	6.50	7.43	6.43	5.99	6.35	6.71	6.37	5.95	5.14	5.03	5.17	4.17	
	AVG	7.67	6.58	6.21	6.55	6.25	6.40	5.96	6.09	6.23	7.08	8.24	7.41	6.62	6.62	6.97	7.04	6.46	5.79	5.56	5.46	4.98**	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen July 2007

CALENDAR DAY JULIAN DAY		2-Jul 183	3-Jul 184	5-Jul 186	6-Jul 187	9-Jul 190	10-Jul 191	11-Jul 192	12-Jul 193	13-Jul 194	16-Jul 197	17-Jul 198	18-Jul 199	19-Jul 200	20-Jul 201	23-Jul 204	24-Jul 205	25-Jul 206	26-Jul 207	31-Jul 212	Monthly % Exceedance
MONTGOMERY	MAX	10.77	9.96	8.97	7.63	8.61	No	9.52	9.72	7.86	10.67	10.15	9.54	9.22	8.16	8.46	8.82	8.75	8.42	8.34	
MP 31.7	MIN	9.55	7.55	5.28	6.67	7.35	Data	6.64	7.09	6.36	8.63	6.69	5.25	6.31	5.51	6.19	8.20	7.89	7.14	5.55	
	AVG	10.08	8.61	6.89	7.21	8.14	Available	8.36	8.22	7.30	9.50	8.76	8.00	7.98	6.90	7.34	8.56	8.39	7.96	7.59	0.00%
HANNIBAL***	MAX	8.06	8.43	8.33	8.19	8.36	9.14	8.45	8.03	8.87	8.34	8.42	7.14	7.89	8.10	9.74	9.42	8.24	8.99	8.24	
MP 126.4	MIN	7.02	7.25	7.86	7.14	7.68	7.89	7.28	7.04	7.50	7.73	6.89	6.65	6.44	6.75	9.05	7.94	7.91	8.39	7.35	
UPSTREAM	AVG	7.44	7.93	8.15	7.68	8.05	8.65	7.93	7.55	8.16	7.94	7.65	6.95	6.84	7.70	9.28	8.96	8.05	8.68	7.78	0.00%
RACINE***	MAX	7.34	8.63	8.80	8.20	7.23	No	No	No	No	No	No	No	No	7.20	7.22	7.13	7.14	7.04	7.05	
MP 237.5	MIN	6.25	6.58	7.81	7.68	6.61	Data	Data	Data	Data	Data	Data	Data	Data	6.46	6.79	6.76	6.75	6.62	6.37	
	AVG	7.04	7.74	8.28	7.92	6.93	Available	Available	Available	Available	Available	Available	Available	Available	6.90	6.98	6.94	6.89	6.82	6.81	0.00%
KYGER	MAX	7.85	8.06	7.20	7.25	6.55	6.48	6.60	6.72	7.51	7.37	7.37	6.89	6.98	6.72	5.86	6.19	6.17	5.64	6.84	
MP 260.0	MIN	6.77	7.13	6.89	6.53	6.02	5.90	5.86	6.22	6.55	6.29	6.14	5.40	2.50	5.98	5.23	4.82	5.59	4.15	4.39	
	AVG	7.14	7.60	7.03	6.94	6.27	6.09	6.14	6.51	6.95	6.71	6.84	6.49	5.94	6.41	5.54	5.52	5.85	4.75**	5.57	0.00%
GREENUP***	MAX	9.72	7.51	9.58	7.58	No	8.42	6.86	5.16	6.82	6.91	6.58	6.65	6.26	6.05	5.83	5.42	6.41	6.31	6.24	
MP 341.0	MIN	4.22	4.75	6.79	6.72	Data	6.29	5.26	4.66	6.02	6.10	5.45	5.64	4.49	4.42	5.09	4.94	5.06	5.26	4.73	
UPSTREAM	AVG	5.30	6.37	7.22	7.06	Available	7.19	6.36	4.87**	6.28	6.42	5.99	6.08	5.24	5.39	5.38	5.15	5.60	5.77	5.42	0.00%
DOWNSTREAM	MAX	8.09	7.32	13.03	7.27	No	8.83	6.86	6.58	6.65	6.43	6.38	6.65	7.99	7.25	6.72	7.22	7.06	7.08	9.07	
	MIN	4.94	4.70	6.84	6.38	Data	6.50	6.14	6.12	5.57	5.45	5.59	5.54	6.74	6.60	5.54	5.52	6.17	6.19	6.70	
	AVG	6.27	6.08	7.52	6.87	Available	7.32	6.51	6.34	6.05	5.83	5.96	5.91	7.30	6.91	5.99	6.00	6.48	6.62	7.78	0.00%
MARKLAND***	MAX	5.59	5.83	5.88	5.93	7.68	6.02	5.95	5.28	6.02	5.28	6.70	6.17	4.44	No	6.07	5.66	7.20	6.05	7.68	
MP 531.5	MIN	5.16	5.23	3.55	4.13	5.18	5.09	4.87	4.54	4.44	4.87	4.97	4.51	3.58	Data	5.21	4.85	4.94	4.54	6.07	
D.O. #1	AVG	5.40	5.53	4.40**	5.49	6.25	5.39	5.35	4.83**	5.55	5.08	5.87	5.25	4.04**	Available	5.56	5.23	6.04	5.26	6.77	0.00%
D.O. #2	MAX	5.64	5.83	6.05	5.74	7.34	5.86	5.38	5.06	5.71	5.45	6.89	6.22	5.54	No	6.62	6.65	7.85	6.72	7.27	
	MIN	5.21	5.26	3.53	4.15	4.92	4.70	4.63	4.20	**4.25**	5.11	5.30	5.09	4.94	Data	5.83	5.71	5.69	3.17	4.49	
	AVG	5.46	5.53	4.40**	5.32	6.02	5.11	5.00	4.54**	5.20	5.25	6.10	5.61	5.18	Available	6.14	6.02	6.66	5.53	6.23	0.00%
CANNELTON	MAX	5.81	6.28	6.13	No	No	No	No	6.23	7.37	7.20	7.60	8.46	7.49	6.87	7.42	7.73	8.10	7.14	5.34	
MP 720.7	MIN	5.13	5.42	5.66	Data	Data	Data	Data	5.89	6.13	5.93	5.78	5.94	6.03	5.66	5.73	5.58	5.92	5.70	4.56	
	AVG	5.44	5.85	5.85	Available	Available	Available	Available	6.05	6.91	6.35	6.65	7.34	6.79	6.17	6.21	6.18	6.37	6.43	**4.94**	7.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
JOHN T. MYERS	MAX	5.93	6.87	7.30	6.77	5.71	6.53	6.19	6.97	7.41	6.56	7.24	6.92	6.49	6.71	7.17	6.32	5.95	6.53	6.81	
MP 846.0	MIN	5.15	5.91	6.45	5.52	4.78	5.15	5.36	6.19	5.63	5.58	5.42	5.07	5.42	5.07	5.75	5.05	4.89	5.04	5.37	
	AVG	5.54	6.25	6.89	6.10	5.27	5.58	5.77	6.60	6.52	5.86	6.23	5.90	5.78	5.54	6.42	5.67	5.54	5.83	6.06	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissovled Oxygen August 2007

CALENDAR DAY JULIAN DAY		1-Aug 213	2-Aug 214	3-Aug 215	6-Aug 218	7-Aug 219	8-Aug 220	9-Aug 221	10-Aug 222	13-Aug 225	14-Aug 226	15-Aug 227	16-Aug 228	21-Aug 229	20-Aug 232	21-Aug 233	22-Aug 234	23-Aug 235	24-Aug 236	27-Aug 239	28-Aug 240	29-Aug 241	30-Aug 242	31-Aug 243	Monthly % Exceedance
MONTGOMERY	MAX	8.34	9.57	No	9.83	8.05	6.85	7.19	7.74	7.48	7.47	7.91	8.33	No	No	7.96	7.98	7.90	8.28	8.54	8.62	8.76	8.80	8.99	
MP 31.7	MIN	5.55	6.58	Data	7.66	6.95	6.22	6.60	7.16	7.35	7.29	7.43	7.87	Data	Data	7.53	7.23	7.42	8.19	8.43	8.35	8.53	8.38	8.30	
	AVG	7.10	8.17	Available	8.98	7.44	6.58	7.05	7.46	7.40	7.39	7.74	8.07	Available	Available	7.73	7.61	7.66	8.23	8.49	8.43	8.62	8.54	8.51	0.00%
HANNIBAL***	MAX	8.79	9.47	8.99	7.52	7.65	8.19	8.31	8.79	7.64	8.13	8.39	9.35	8.93	7.92	8.55	9.59	8.85	8.67	8.69	9.45	9.06	9.38	9.21	
MP 126.4	MIN	7.14	7.17	7.59	7.32	6.99	7.29	6.54	7.22	6.99	7.32	7.52	8.13	8.36	6.20	5.96	7.02	8.28	7.88	7.10	1.34	8.22	8.91	8.49	
UPSTREAM	AVG	7.79	8.02	8.24	7.43	7.23	7.79	7.60	8.11	7.39	7.84	8.05	8.67	8.67	7.15	7.52	7.71	8.58	8.33	8.09	6.35	8.75	9.16	8.89	0.00%
RACINE***	MAX	7.78	9.95	10.27	10.18	9.65	6.65	6.47	6.96	6.11	6.15	6.12	6.25	7.08	7.32	8.58	6.97	6.00	5.65	6.74	6.50	6.42	6.41	6.47	
MP 237.5	MIN	6.67	7.33	9.51	9.44	6.70	5.72	5.54	6.38	5.75	5.81	5.53	5.76	6.02	6.68	6.79	5.80	5.48	5.15	6.42	6.35	5.64	6.08	6.22	
	AVG	7.16	8.53	9.84	9.77	8.66	6.14	6.00	6.62	5.96	5.94	5.81	5.92	6.35	6.94	7.34	6.18	5.71	5.47	6.56	6.44	6.10	6.30	6.35	0.00%
KYGER	MAX	6.62	8.64	7.68	8.42	7.18	7.10	6.41	5.18	5.16	5.23	9.55	5.81	6.17	6.86	7.03	6.48	6.67	5.64	5.40	5.64	6.89	5.78	5.69	
MP 260.0	MIN	5.14	5.95	6.38	7.27	5.86	6.05	5.02	4.39	4.73	4.87	4.87	4.58	5.35	5.54	5.81	4.10	3.70	4.37	4.80	5.40	5.28	5.35	5.28	
	AVG	5.64	7.47	7.44	7.72	6.18	6.35	5.55	**4.66**	**4.90**	**4.97**	5.28	5.29	5.84	6.11	6.52	5.56	**4.94**	**4.84**	5.22	5.54	5.50	5.51	5.49	22.00%
GREENUP***	MAX	6.38	7.61	8.45	6.07	6.43	6.58	6.48	5.69	5.71	5.81	7.20	6.07	6.07	5.88	5.93	6.24	4.63	5.18	7.56	4.58	6.72	4.87	*	
MP 341.0	MIN	5.09	5.06	6.60	4.13	3.62	5.30	5.23	4.92	4.10	5.09	5.40	5.02	5.23	4.92	4.85	4.44	3.79	3.89	4.08	4.01	4.03	4.08	*	
UPSTREAM	AVG	5.87	6.66	7.59	5.26	5.03	5.77	5.74	5.28	**4.90**	5.41	5.99	5.54	5.66	5.31	5.56	5.29	**4.15**	**4.50**	**4.51**	**4.25**	**4.64**	**4.42**	*	32.00%
DOWNSTREAM	MAX	8.21	8.54	10.32	7.34	7.13	7.58	7.46	6.38	6.24	6.43	7.08	7.15	6.05	7.54	13.46	7.80	6.31	5.88	5.90	6.22	6.19	6.41	6.58	
	MIN	6.77	6.79	7.63	6.00	6.29	6.29	5.78	4.92	5.50	5.50	5.54	5.23	4.51	5.81	6.48	6.17	5.57	4.70	4.92	4.13	5.54	5.64	5.64	
	AVG	7.46	7.72	8.78	6.96	6.66	6.69	6.45	5.67	5.80	5.85	6.01	5.81	5.23	6.39	7.45	6.85	5.91	5.32	5.51	5.69	5.83	5.97	5.90	0.00%
MARKLAND***	MAX	7.85	8.88	8.45	6.77	7.10	6.17	5.04	6.98	6.02	6.62	6.29	6.19	6.17	5.64	5.18	5.09	5.04	5.14	4.61	5.62	6.24	6.19	6.50	
MP 531.5	MIN	6.00	6.02	6.14	6.34	6.19	4.70	3.74	5.26	4.73	4.63	4.70	4.87	5.09	4.08	3.94	4.80	4.42	4.51	4.34	4.39	4.85	4.90	5.30	
D.O. #1	AVG	6.76	6.90	6.99	6.53	6.59	5.74	4.53*	6.45	5.39	5.31	5.34	5.67	5.45	4.89**	4.63**	4.97**	4.67**	4.75**	4.46**	5.02	5.33	5.69	5.80	0.00%
D.O. #2	MAX	7.78	8.38	8.45	6.94	7.94	7.13	5.83	7.75	6.53	7.03	6.65	6.70	6.36	4.61	4.90	4.63	4.06	4.15	4.56	6.41	6.72	6.74	6.79	
	MIN	5.95	6.10	6.19	6.46	6.53	5.50	4.42	6.02	5.14	5.02	4.97	5.23	5.02	3.96	4.01	3.91	3.72	3.84	3.62	3.72	4.80	4.94	5.74	
	AVG	6.69	6.78	7.08	6.70	7.25	6.55	5.27	6.95	5.83	5.67	5.66	6.05	5.54	4.33**	4.45**	4.01**	3.87**	3.98**	3.79**	4.93**	5.22	5.70	6.23	0.00%
CANNELTON	MAX	5.34	4.93	No	7.04	7.25	7.49	8.15	6.74	5.27	5.61	7.22	6.86	No	No	5.03	5.06	5.31	4.82	4.78	5.00	4.30	4.07	4.20	
MP 720.7	MIN	4.56	4.05	Data	4.16	5.02	4.43	4.61	4.49	4.28	4.12	3.97	4.54	Data	Data	4.30	4.11	4.67	4.25	4.49	4.58	3.86	4.01	3.91	
	AVG	**4.94**	**4.46**	Available	5.45	6.28	5.41	5.70	5.34	**4.79**	**4.64**	5.27	5.60	Available	Available	**4.67**	**4.63**	**4.96**	**4.53**	**4.64**	**4.73**	**4.05**	**4.04**	**3.97**	65.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	6.06	
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	5.20	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	5.64	0.00%
JOHN T. MYERS	MAX	6.81	7.75	No	6.38	6.89	6.68	6.72	6.35	7.48	7.30	8.29	11.65	No	No	5.73	5.24	6.13	5.82	4.80	5.41	6.46	6.26	6.04	
MP 846.0	MIN	5.25	5.57	Data	4.54	5.42	5.73	5.74	4.72**	5.76	6.24	6.26	6.16	Data	Data	4.89	4.77	5.46	4.79	4.59	5.02	5.75	5.80	5.43	
	AVG	5.96	6.48	Available	5.49	6.22	6.24	6.14	5.75	6.40	6.67	6.88	7.30	Available	Available	5.27	4.97**	5.93	5.22	4.73**	5.18	6.11	5.93	5.75	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectric dam

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CALENDAR DAY JULIAN DAY		4-Sep 247	5-Sep 248	6-Sep 249	7-Sep 250	10-Sep 253	11-Sep 254	12-Sep 255	13-Sep 256	14-Sep 257	17-Sep 260	18-Sep 261	19-Sep 262	20-Sep 263	21-Sep 264	24-Sep 267	25-Sep 268	26-Sep 269	27-Sep 270	28-Sep 271	Monthly % Exceedance
MONTGOMERY	MAX	9.86	9.40	9.72	8.94	6.98	6.95	7.01	7.33	7.90	8.80	9.25	9.05	9.41	10.22	9.23	9.08	8.43	No	No	
MP 31.7	MIN	8.90	8.82	8.86	8.35	6.48	6.23	6.38	6.86	7.41	8.20	8.47	8.56	8.91	9.11	8.30	7.73	8.10	Data	Data	
	AVG	9.26	9.12	9.30	8.71	6.68	6.79	6.74	7.15	7.65	8.54	8.82	8.79	9.11	9.57	8.72	8.17	8.27	Available	Available	0.00%
HANNIBAL***	MAX	9.27	8.54	8.69	9.08	8.78	8.90	8.60	8.09	8.22	8.75	9.24	8.69	8.85	9.12	9.00	8.57	8.18	7.89	7.52	
MP 126.4	MIN	7.92	7.10	7.47	7.82	6.48	5.19	4.82	6.12	7.55	8.33	8.45	8.39	8.51	8.42	8.22	8.12	7.88	7.47	7.28	
UPSTREAM	AVG	8.88	7.87	8.00	8.61	7.79	7.59	6.83	7.67	7.80	8.45	8.95	8.51	8.69	8.75	8.63	8.30	8.06	7.69	7.39	0.00%
RACINE***	MAX	6.86	7.24	7.23	7.12	7.18	6.99	6.76	6.96	6.70	6.58	7.87	6.98	7.18	7.56	6.47	6.55	6.44	6.54	6.46	
MP 237.5	MIN	6.33	6.58	6.69	6.78	6.78	6.64	6.55	6.56	6.28	6.33	6.37	6.42	6.65	6.51	6.16	6.11	6.13	5.70	6.22	
	AVG	6.50	6.79	6.92	6.94	6.94	6.79	6.67	6.71	6.47	6.44	6.60	6.70	6.90	6.82	6.32	6.24	6.28	6.33	6.31	0.00%
KYGER	MAX	5.33	*	*	*	8.21	7.68	7.20	6.82	7.06	7.22	7.49	7.78	7.92	9.02	8.59	7.63	7.75	7.01	7.75	
MP 260.0	MIN	4.73	*	*	*	7.54	7.25	6.70	6.60	6.60	6.96	6.94	7.13	7.39	7.51	7.56	7.27	6.98	6.74	6.65	
	AVG	5.03	*	*	*	7.96	7.42	6.94	6.70	6.84	7.10	7.18	7.38	7.59	8.07	8.01	7.46	7.36	6.89	6.85	0.00%
GREENUP***	MAX	5.90	5.09	5.47	5.62	5.90	5.40	No	5.23	5.14	5.76	6.53	6.53	5.52	6.02	5.90	6.86	7.63	6.86	5.71	
MP 341.0	MIN	3.19	4.20	4.18	4.54	4.75	4.90	Data	4.82	4.30	4.39	5.09	5.11	4.70	4.63	2.26	5.42	5.38	5.38	5.30	
UPSTREAM	AVG	5.23	**4.70**	**4.76**	**4.91**	5.29	5.18	Available	**4.97**	**4.76**	**4.99**	5.64	5.59	5.09	5.23	**4.98**	5.95	6.16	6.02	5.52	39.00%
DOWNSTREAM	MAX	8.18	7.25	7.46	7.99	6.53	6.22	6.24	6.53	6.05	6.22	5.78	6.29	5.86	6.72	7.58	7.39	7.66	7.20	6.82	
	MIN	6.34	6.10	5.90	6.91	6.19	5.98	5.69	5.81	4.42	4.51	4.97	5.35	5.59	4.78	6.74	6.91	6.91	6.74	6.46	
	AVG	7.16	6.64	6.78	7.33	6.30	6.11	6.09	6.06	5.42	5.42	5.42	5.79	5.68	6.13	7.04	7.11	7.19	6.96	6.71	0.00%
MARKLAND***	MAX	6.50	6.31	6.77	6.41	5.28	6.00	5.95	6.10	5.83	5.59	6.07	6.00	5.83	6.07	6.07	5.93	5.90	5.86	5.50	
MP 531.5	MIN	5.16	3.72	5.16	5.69	3.84	5.21	5.40	4.87	3.58	4.94	5.71	5.81	5.57	5.57	5.57	5.54	5.59	5.42	5.18	
D.O. #1	AVG	5.92	5.23	5.87	6.10	4.69**	5.72	5.71	5.60	4.90**	5.23	5.89	5.90	5.68	5.77	5.79	5.70	5.74	5.59	5.35	0.00%
D.O. #2	MAX	6.62	6.72	7.08	6.48	6.50	6.00	5.98	6.00	5.66	5.26	5.83	5.64	5.50	5.54	5.54	5.57	5.64	5.57	5.26	
	MIN	5.42	**4.87**	5.66	6.00	4.61	5.40	5.54	5.28	4.25	4.70	5.54	5.52	5.16	5.14	5.14	5.23	5.38	5.23	5.02	
	AVG	6.17	5.84	6.30	6.24	5.24	5.76	5.77	5.66	5.15	4.87**	5.66	5.56	5.30	5.31	5.33	5.38	5.53	5.42	5.16	0.00%
CANNELTON	MAX	5.03	5.61	5.52	4.15	4.07	3.95	3.47	3.54	3.73	4.23	3.77	4.20	3.96	4.69	3.77	6.20	5.63	5.49	5.78	
MP 720.7	MIN	4.13	4.17	4.43	3.97	3.86	3.52	3.35	3.26	3.52	3.58	3.35	3.37	3.43	3.27	3.05	5.52	5.31	5.30	5.60	
	AVG	**4.55**	**4.77**	**4.72**	**4.04**	**3.99**	**3.72**	**3.42**	**3.44**	**3.61**	**3.75**	**3.55**	**3.67**	**3.68**	**3.82**	**3.28**	5.77	5.45	5.38	5.68	79.00%
NEWBURGH	MAX	8.46	8.15	8.58	6.32	5.63	5.86	4.58	4.58	4.61	4.97	4.70	5.34	5.23	5.70	4.31	8.48	7.18	7.06	6.51	
MP 776.1	MIN	6.17	6.23	6.00	5.08	4.50	4.90	4.09	3.84	4.01	4.14	3.92	4.24	4.22	4.46	3.74	6.73	6.56	6.30	5.97	
	AVG	7.00	6.90	7.12	5.74	5.17	5.28	**4.26**	**4.13**	**4.23**	**4.34**	**4.28**	**4.54**	**4.54**	5.22	**3.96**	7.36	6.89	6.55	6.26	42.00%
JOHN T. MYERS	MAX	6.23	7.21	5.95	5.77	5.04	6.51	4.49	5.00	4.60	4.24	4.38	4.32	4.29	4.35	4.95	6.66	5.77	5.53	5.32	
MP 846.0	MIN	5.37	5.54	5.38	5.23	4.85	4.32	4.28	4.39	4.15	3.79	3.68	3.73	3.93	4.02	4.39	5.74	5.43	5.21	5.07	
	AVG	5.82	6.01	5.63	5.40	**4.97**	5.38	**4.38**	**4.52**	**4.32**	**3.97**	**3.94**	**3.88**	**4.08**	**4.17**	**4.65**	6.05	5.59	5.34	5.21	53.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectri dam

Daily Dissolved Oxygen October 2007

CALENDAR DAY JULIAN DAY		1-Oct 274	2-Oct 275	3-Oct 276	4-Oct 277	5-Oct 278	8-Oct 281	9-Oct 282	10-Oct 283	11-Oct 284	12-Oct 285	15-Oct 288	16-Oct 289	17-Oct 290	18-Oct 291	19-Oct 292	22-Oct 295	23-Oct 296	24-Oct 297	25-Oct 298	26-Oct 299	29-Oct 302	30-Oct 303	31-Oct 304	Monthly % Exceedance
MONTGOMERY	MAX	7.53	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 31.7	MIN	7.31	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	7.43	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%
HANNIBAL***	MAX	7.55	8.51	8.57	12.48	8.72	8.79	8.58	8.69	8.51	8.37	8.39	8.73	9.08	9.29	9.15	8.96	8.94	9.29	8.99	9.39	9.68	10.01	10.14	
MP 126.4	MIN	7.11	7.40	8.21	8.27	8.24	7.97	8.07	8.12	7.94	7.91	7.98	8.00	8.70	8.73	8.78	8.70	8.82	8.88	8.70	8.94	9.51	9.56	9.53	
UPSTREAM	AVG	7.45	8.36	8.37	8.58	8.42	8.50	8.27	8.49	8.23	8.11	8.25	8.24	8.92	9.04	8.97	8.84	8.88	9.06	8.86	9.12	9.59	9.81	9.83	0.00%
RACINE***	MAX	6.60	6.80	6.47	6.67	7.24	7.23	7.09	6.93	*	*	*	10.51	7.49	7.44	7.48	7.67	7.52	7.47	7.25	7.19	7.69	7.87	8.27	
MP 237.5	MIN	6.21	6.34	6.27	6.22	6.37	6.30	6.57	6.57	*	*	*	7.03	7.35	7.31	7.32	7.23	7.23	7.12	6.99	6.84	7.40	7.65	7.77	
	AVG	6.37	6.53	6.37	6.41	6.78	6.74	6.79	6.72	*	*	*	8.02	7.43	7.37	7.39	7.36	7.34	7.29	7.16	7.01	7.52	7.75	8.09	0.00%
KYGER	MAX	7.10	No	7.80	7.80	8.04	9.82	9.79	10.51	11.04	10.99	7.34	7.46	7.63	7.73	7.63	7.70	7.78	7.73	7.66	8.38	7.78	8.54	*	
MP 260.0	MIN	6.79	Data	6.91	7.25	7.58	9.02	9.24	9.48	8.76	9.53	7.15	7.15	7.25	7.25	7.27	7.44	7.56	7.51	7.51	7.15	7.61	7.06	*	
	AVG	6.97	Available	7.41	7.64	7.78	9.38	9.44	9.64	9.63	10.15	7.27	7.33	7.46	7.59	7.50	7.60	7.66	7.63	7.58	7.77	7.70	7.93	*	0.00%
GREENUP***	MAX	5.62	5.57	6.14	5.81	6.07	6.24	5.50	5.45	5.42	5.57	5.64	5.95	5.86	6.36	6.02	6.65	6.55	6.07	6.31	5.83	8.45	6.70	7.15	
MP 341.0	MIN	5.18	5.16	5.26	4.87	5.28	3.36	4.92	4.94	5.26	5.18	4.94	4.94	5.47	5.78	5.78	5.83	6.07	5.78	4.87	4.13**	6.43	6.55	6.60	
UPSTREAM	AVG	5.32	5.35	5.54	5.47	5.77	5.03	5.17	5.19	5.37	5.36	5.30	5.61	5.70	5.99	5.88	6.14	6.23	5.92	5.68	**4.77**	6.83	6.62	6.90	4.00%
DOWNSTREAM	MAX	6.60	6.77	7.30	6.65	7.34	7.01	6.53	6.98	6.98	6.86	7.08	7.10	7.03	7.22	7.18	7.54	7.51	7.03	7.08	6.96	7.63	7.51	7.61	
	MIN	6.29	6.41	6.53	6.38	6.43	6.46	6.31	6.46	6.72	6.72	6.77	6.77	6.84	6.86	6.91	7.25	6.98	4.22	3.34	6.00	5.93	7.49	7.49	
	AVG	6.42	6.57	6.73	6.52	6.80	6.72	6.41	6.65	6.82	6.79	6.90	6.87	6.92	7.01	7.07	7.43	7.17	6.26	5.99	6.86	7.31	7.50	7.55	0.00%
MARKLAND***	MAX	5.86	5.38	5.40	5.18	5.57	5.33	5.30	4.34	4.68	4.94	5.06	7.20	7.58	5.62	5.47	5.76	No	6.29	6.48	6.70	7.06	No	8.06	
MP 531.5	MIN	5.40	5.11	5.02	4.97	4.78	4.39	4.34	3.94	3.91	4.61	4.66	4.63	4.94	5.30	5.06	5.30	Data	6.12	6.24	6.29	6.53	Data	7.73	
D.O. #1	AVG	5.58	5.25	5.15	5.10	4.94**	4.95**	4.86**	4.13**	4.31**	4.84**	4.83**	4.89**	5.71	5.42	5.26	5.53	Available	6.20	6.39	6.55	6.84	Available	7.96	0.00%
D.O. #2	MAX	5.83	5.40	5.45	5.18	5.62	5.76	5.64	4.56	4.51	4.87	4.99	5.04	7.32	5.52	5.23	5.57	No	6.38	6.36	6.60	6.96	No	7.63	
	MIN	5.42	5.11	5.06	4.99	4.87	4.87	4.56	3.94	3.96	4.44	4.61	4.61	5.21	5.06	4.85	5.33	Data	6.12	6.17	6.22	6.46	Data	7.27	
	AVG	5.61	5.26	5.19	5.11	5.01	5.39	5.16	4.22**	4.25**	4.72**	4.78**	4.77**	5.83	5.28	5.04	5.46	Available	6.23	6.28	6.45	6.73	Available	7.49	0.00%
CANNELTON	MAX	5.97	6.00	6.54	6.02	6.35	6.45	5.95	5.56	No	No	No	6.70	6.73	No	6.53	6.70	6.69	7.06	7.37	No	7.29	7.41	No	
MP 720.7	MIN	5.79	5.79	5.92	5.80	5.88	5.43	5.28	5.31	Data	Data	Data	6.33	6.14	Data	5.65	6.37	6.40	6.61	6.93	Data	7.11	7.17	Data	
	AVG	5.87	5.89	6.17	5.91	6.10	5.92	5.53	5.45	Available	Available	Available	6.50	6.33	Available	6.02	6.60	6.52	6.78	7.15	Available	7.20	7.28	Available	0.00%
NEWBURGH	MAX	7.02	6.95	7.33	7.21	7.18	10.71	11.13	9.26	8.34	7.78	8.06	7.90	8.39	8.23	8.00	8.10	7.39	8.06	No	8.47	No	8.05	7.97	
MP 776.1	MIN	6.45	6.34	6.60	6.37	6.12	7.97	7.85	7.12	7.27	7.05	7.16	6.98	7.37	7.64	7.09	7.07	6.86	7.81	Data	7.73	Data	7.53	7.25	
	AVG	6.61	6.73	6.86	6.73	6.60	8.99	9.54	8.07	7.82	7.48	7.64	7.45	7.82	7.95	7.55	7.48	7.00	7.94	Available	8.22	Available	7.90	7.58	0.00%
JOHN T. MYERS	MAX	5.29	5.35	5.46	6.08	5.29	5.93	7.26	6.52	6.90	6.72	5.74	5.00	4.48	4.22	4.51	4.63	4.10	4.10	4.43	4.41	5.12	5.24	5.30	
MP 846.0	MIN	4.95	5.07	5.03	4.79	4.81	4.94	5.47	6.07	6.10	5.92	4.67	4.51	3.85	3.83	4.41	4.18	3.72	3.95	4.13	4.27	4.87	5.02	5.19	
	AVG	5.09	5.20	5.26	5.19	5.01	5.41	6.11	6.33	6.43	6.39	5.17	**4.76**	**4.23**	**4.07**	**4.46**	**4.45**	**3.91**	**4.02**	**4.29**	**4.34**	**4.94**	5.12	5.25	43.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**Indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen May 2008

CALENDAR DAY JULIAN DAY		1-May 122	2-May 123	5-May 126	6-May 127	7-May 128	8-May 129	9-May 130	14-May 134	15-May 135	16-May 136	16-May 137	19-May 140	20-May 141	21-May 142	22-May 143	23-May 144	24-May 144	29-May 150	30-May 151	Monthly % Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	9.38	8.96	10.49	10.82	12.09	9.98	10.14	10.11	10.34	11.01	10.94	10.88	10.31	10.25	10.14	10.05	8.43	10.01	9.98	
MP 126.4	MIN	8.24	8.43	9.45	10.22	9.83	9.69	9.48	7.68	9.29	9.84	10.11	10.02	9.60	9.56	9.96	9.93	7.61	9.83	9.84	
UPSTREAM	AVG	8.78	8.74	9.92	10.57	10.82	9.83	9.93	9.39	10.05	10.14	10.35	10.40	9.90	10.01	10.04	9.98	8.13	9.92	9.91	0.00%
RACINE***	MAX	10.33	10.13	10.74	11.19	11.42	11.81	11.11	8.58	No	8.60	8.63	No	8.94	8.99	9.07	9.12	11.07	10.43	11.18	
MP 237.5	MIN	9.84	9.83	10.01	10.47	11.00	10.94	10.13	7.95	Data	8.28	7.99	Data	8.66	8.75	8.78	8.81	10.45	9.64	10.14	
	AVG	10.13	9.97	10.49	10.92	11.26	11.42	10.77	8.13	Available	8.39	8.35	Available	8.74	8.84	8.89	8.95	10.73	10.14	10.77	0.00%
KYGER	MAX	10.87	10.59	11.12	11.38	11.36	11.63	11.46	9.07	No	8.57	8.52	7.85	9.25	9.37	9.17	9.33	10.97	10.35	11.14	
MP 260.0	MIN	10.13	10.19	10.25	10.77	10.80	11.20	10.76	7.09	Data	6.70	7.09	7.21	7.70	8.91	8.75	8.87	9.41	9.49	10.06	
	AVG	10.59	10.44	10.82	11.12	11.18	11.42	11.14	7.92	Available	8.21	7.51	7.50	9.02	9.27	8.95	9.07	9.85	10.00	10.85	0.00%
GREENUP***	MAX	7.78	6.41	8.52	8.71	9.46	8.52	7.94	6.19	6.46	7.20	8.52	8.45	8.23	8.21	7.90	8.57	11.54	8.71	8.66	
MP 341.0	MIN	5.95	5.95	6.34	7.85	8.50	7.87	7.06	5.04	5.16	5.62	6.17	7.66	7.99	7.70	7.30	7.66	10.10	8.42	7.20	
UPSTREAM	AVG	7.06	6.14	7.91	8.48	9.01	8.26	7.31	5.80	5.75	6.33	7.72	8.22	8.07	7.99	7.70	8.29	10.87	8.56	7.77	0.00%
DOWNSTREAM	MAX	6.34	7.90	9.55	9.24	9.19	9.05	8.98	8.11	7.30	8.71	7.44	8.78	8.59	8.74	8.38	8.35	12.41	7.01	7.01	
	MIN	5.54	6.41	7.51	9.00	9.02	8.93	8.78	6.58	6.05	6.29	7.13	7.54	8.47	8.33	8.21	8.02	9.58	6.86	6.82	
	AVG	5.84	7.34	8.77	9.09	9.10	9.00	8.89	7.30	6.49	7.94	7.34	8.52	8.52	8.43	8.31	8.18	11.49	6.94	6.88	0.00%
MARKLAND***	MAX	10.66	10.27	10.01	9.89	10.42	10.42	9.79	8.66	8.18	7.61	7.61	8.21	*	8.52	8.50	8.38	10.22	8.90	9.05	
MP 531.5	MIN	9.91	9.91	9.70	9.65	9.79	8.98	8.98	8.14	7.56	7.27	6.72	4.70	*	8.09	8.11	7.68	9.31	8.71	8.81	
D.O. #1	AVG	10.38	10.07	9.89	9.81	10.09	9.79	9.39	8.40	7.82	7.48	7.16	6.90	*	8.32	8.31	7.97	9.79	8.82	8.95	0.00%
D.O. #2	MAX	10.39	10.01	9.60	9.55	9.98	10.06	9.58	8.69	8.26	7.85	8.09	8.45	*	8.76	8.69	8.59	10.37	8.93	9.34	
	MIN	9.84	9.62	9.31	9.34	9.48	8.86	8.86	8.21	7.70	7.56	7.75	6.29	*	8.23	8.45	8.09	9.41	8.78	8.78	
	AVG	10.12	9.81	9.49	9.46	9.77	9.56	9.16	8.41	7.94	7.73	7.90	7.62	*	8.48	8.58	8.30	9.94	8.86	9.14	0.00%
CANNELTON	MAX	No	No	No	No	No	No	No	No	8.25	7.85	7.68	7.68	7.73	8.01	8.37	8.17	9.89	8.12	8.01	
MP 720.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	7.79	7.45	7.31	7.17	7.44	7.51	7.84	7.99	9.47	7.65	7.59	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	7.98	7.62	7.55	7.35	7.56	7.79	8.03	8.06	9.69	7.86	7.80	0.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	8.29	8.27	7.97	7.87	7.74	7.92	8.25	8.51	9.57	8.29	8.33	
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	7.91	7.96	7.79	7.80	7.61	7.78	8.08	8.37	8.86	8.14	8.19	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	8.12	8.07	7.90	7.84	7.66	7.84	8.19	8.43	9.24	8.22	8.26	0.00%
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	8.06	7.64	7.30	7.40	7.20	7.33	7.67	10.76	5.20	5.12	
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	7.60	7.38	7.08	7.06	6.99	7.20	7.37	8.00	*	*	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	7.82	7.50	7.20	7.21	7.11	7.26	7.53	9.66	5.10	5.01	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric

Daily Dissolved Oxygen June 2008

CALENDAR DAY JULIAN DAY		2-Jun 154	3-Jun 155	4-Jun 156	5-Jun 157	6-Jun 158	9-Jun 161	10-Jun 162	11-Jun 163	12-Jun 164	14-Jun 165	16-Jun 168	17-Jun 169	18-Jun 170	19-Jun 171	20-Jun 172	23-Jun 175	24-Jun 176	25-Jun 177	26-Jun 178	27-Jun 179	Monthly % Exceedance
MONTGOMERY	MAX	10.00	9.79	9.49	9.24	8.96	*	6.71	8.73	8.80	8.87	8.22	8.23	8.18	7.89	7.78	8.47	8.91	8.74	8.50	8.54	No
MP 31.7	MIN	9.43	8.87	8.59	8.78	8.49	*	5.15	8.32	8.23	8.12	7.56	7.29	7.41	7.53	6.62	7.37	7.33	7.71	7.65	7.63	Data
	AVG	9.59	9.32	9.17	9.03	8.75	*	5.93	8.55	8.53	8.46	7.89	7.72	7.74	7.73	7.31	8.13	8.23	8.23	8.00	8.09	Available
HANNIBAL***	MAX	9.54	9.63	9.39	9.08	7.94	8.75	8.87	10.71	8.69	9.05	9.09	9.11	8.51	8.34	8.07	9.17	9.65	9.30	9.72	8.78	
MP 126.4	MIN	8.81	8.22	8.73	7.61	7.43	7.47	7.17	7.61	6.99	6.96	8.46	8.43	6.41	7.98	7.70	7.73	8.66	8.45	8.58	8.25	
UPSTREAM	AVG	9.31	9.10	8.97	8.52	7.64	8.06	7.84	8.69	7.86	8.56	8.79	8.92	7.31	8.20	7.88	8.53	9.10	8.96	9.25	8.56	0.00%
RACINE***	MAX	9.84	9.56	9.18	8.49	6.76	6.72	6.93	6.99	7.18	7.32	6.56	6.37	6.41	6.35	5.89	6.45	6.79	7.33	7.39	7.26	
MP 237.5	MIN	8.92	8.98	8.28	4.90	***3.73***	6.46	6.64	6.75	6.87	6.97	6.15	5.99	6.16	5.84	5.48	5.89	6.35	6.71	6.68	6.24	
	AVG	9.29	9.31	8.81	7.36	6.16	6.57	6.77	6.86	7.05	7.09	6.40	6.14	6.31	6.08	5.75	6.23	6.62	6.97	6.99	6.86	0.00%
KYGER	MAX	10.76	9.62	10.04	9.23	8.67	6.73	6.75	7.30	7.32	7.33	6.84	6.84	6.83	6.85	6.84	6.46	6.69	7.16	8.23	8.61	
MP 260.0	MIN	9.36	9.25	9.30	8.05	6.63	6.24	6.44	6.91	6.99	7.02	6.39	6.59	6.26	6.49	6.27	5.82	6.11	6.54	6.93	7.56	
	AVG	10.28	9.44	9.61	8.79	7.32	6.49	6.63	7.20	7.17	7.18	6.68	6.72	6.55	6.67	6.59	6.32	6.44	6.93	7.79	8.09	0.00%
GREENUP***	MAX	8.88	8.33	7.73	6.67	*	*	5.26	5.21	5.23	5.62	6.12	5.59	5.93	6.26	6.72	7.80	6.84	6.94	6.89	7.32	
MP 341.0	MIN	7.73	7.20	6.62	4.66	*	*	4.87	4.92	4.85	4.92	5.18	5.18	5.57	5.83	6.12	6.14	6.02	6.00	6.10	6.10	
UPSTREAM	AVG	8.39	7.80	7.32	5.90	*	*	5.04	5.02	5.04	5.22	5.68	5.44	5.74	5.98	6.37	6.66	6.29	6.31	6.36	6.56	0.00%
DOWNSTREAM	MAX	10.44	9.96	9.48	8.69	7.63	6.12	5.86	5.76	6.14	6.67	6.91	6.24	6.12	6.46	6.38	7.94	7.54	7.42	7.06	7.44	
	MIN	5.11	9.24	8.64	7.49	6.26	4.80	5.64	5.64	5.54	5.95	6.43	5.78	5.57	5.93	5.93	5.74	6.55	6.31	6.07	6.07	
	AVG	9.84	9.72	9.06	7.97	7.05	5.90	5.74	5.71	5.83	6.11	6.69	5.98	5.83	6.24	6.18	6.98	6.91	6.74	6.35	6.66	0.00%
MARKLAND***	MAX	9.36	9.10	8.62	8.30	6.29	No	5.52	5.57	5.71	5.90	6.60	6.07	6.22	6.02	6.31	5.64	6.79	7.61	7.56	7.75	
MP 531.5	MIN	8.76	8.59	8.04	6.36	4.68	Data	5.38	5.45	5.28	5.66	5.95	5.78	5.86	5.74	5.78	5.02	6.36	6.72	6.55	6.55	
D.O. #1	AVG	9.08	8.83	8.45	7.74	5.34	Available	5.45	5.52	5.55	5.80	6.34	5.96	6.01	5.85	5.96	5.34	6.60	7.23	7.10	7.28	0.00%
D.O. #2	MAX	10.01	9.50	9.12	8.76	6.55	No	5.30	5.38	5.62	5.86	6.94	6.36	6.53	6.29	6.74	6.24	6.79	7.44	7.32	7.58	
	MIN	9.17	8.95	8.66	6.17	5.45	Data	5.18	5.26	5.30	5.59	6.24	6.05	6.00	6.02	6.17	5.90	6.31	6.58	6.43	6.60	
	AVG	9.65	9.17	8.94	8.17	5.96	Available	5.25	5.33	5.47	5.73	6.61	6.23	6.23	6.19	6.42	6.07	6.54	7.11	6.90	7.17	0.00%
CANNELTON	MAX	7.95	7.98	8.14	8.04	No	No	No	No	5.99	5.84	5.99	5.79	5.83	6.07	6.15	6.98	7.03	7.59	7.47	No	
MP 720.7	MIN	7.49	7.67	7.70	7.47	Data	Data	Data	Data	5.57	5.50	5.71	5.46	5.41	5.64	5.84	6.02	6.17	6.29	5.94	Data	
	AVG	7.73	7.80	7.88	7.74	Available	Available	Available	Available	5.83	5.68	5.88	5.68	5.69	5.85	5.99	6.31	6.61	6.70	6.45	Available	0.00%
NEWBURGH	MAX	8.43	8.48	8.44	8.45	8.45	5.78	6.05	6.22	5.84	6.23	6.17	No	6.53	6.37	6.62	7.18	7.03	8.58	8.13	7.29	
MP 776.1	MIN	8.16	8.18	8.22	8.27	8.09	5.72	5.91	6.06	5.75	6.08	5.92	Data	6.30	6.21	6.39	6.51	6.36	6.88	7.22	6.83	
	AVG	8.28	8.31	8.31	8.35	8.33	5.76	5.99	6.14	5.80	6.15	5.99	Available	6.43	6.27	6.46	6.79	6.65	7.52	7.46	6.97	0.00%
JOHN T. MYERS	MAX	5.03	5.04	5.03	5.16	5.27	4.60	3.69	5.36	5.45	5.47	5.77	5.75	5.77	5.66	5.90	6.05	6.37	6.71	6.65	6.87	
MP 846.0	MIN	4.83	4.75	4.74	4.95	5.09	4.23	***3.56***	5.27	5.28	5.36	5.53	5.47	5.54	5.47	5.57	5.72	5.84	5.74	6.12	6.26	
	AVG	***4.91***	***4.89***	***4.90***	5.06	5.16	***4.41***	***3.63***	5.31	5.37	5.41	5.67	5.63	5.67	5.58	5.74	5.87	5.95	6.16	6.37	6.50	40.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen July 2008

CALENDAR DAY JULIAN DAY		1-Jul 183	2-Jul 184	3-Jul 185	7-Jul 189	8-Jul 190	9-Jul 191	10-Jul 192	11-Jul 193	14-Jul 196	15-Jul 197	16-Jul 198	17-Jul 199	18-Jul 200	21-Jul 203	22-Jul 204	23-Jul 205	24-Jul 206	25-Jul 207	28-Jul 210	29-Jul 211	30-Jul 212	31-Jul 213	Monthly % Exceedance
MONTGOMERY	MAX	7.91	7.90	No	7.99	8.02	8.11	7.98	8.15	8.15	8.74	9.31	8.62	8.95	7.73	7.69	7.50	7.97	7.82	7.82	7.80	8.20	8.38	
MP 31.7	MIN	7.54	7.55	Data	7.57	7.22	7.59	7.64	7.48	7.40	7.47	7.61	7.58	7.77	6.71	6.32	5.58	7.03	6.73	7.12	6.77	5.46	7.08	
	AVG	7.69	7.65	Available	7.79	7.84	7.87	7.81	7.80	7.80	8.09	8.44	8.15	8.19	7.20	6.99	6.78	7.45	7.43	7.63	7.34	7.66	7.74	0.00%
HANNIBAL***	MAX	8.67	8.16	No	10.56	9.14	9.71	9.63	8.93	9.51	9.06	9.03	12.26	9.51	10.11	9.80	8.61	8.46	8.88	9.83	8.75	8.90	8.57	
MP 126.4	MIN	7.79	7.67	Data	8.55	8.82	8.34	7.55	8.33	8.39	8.12	6.93	6.09	8.33	9.02	8.00	7.82	7.50	7.98	6.33	7.47	7.46	8.10	
UPSTREAM	AVG	8.24	7.90	Available	9.37	9.04	8.95	8.33	8.62	8.87	8.59	8.46	8.78	8.89	9.46	9.10	8.21	7.97	8.44	8.42	8.07	8.30	8.28	0.00%
RACINE***	MAX	6.07	6.31	No	6.66	6.77	6.84	6.94	6.82	6.80	6.83	7.22	7.26	7.41	6.91	6.75	6.78	6.24	6.00	5.47	5.77	5.90	5.89	
MP 237.5	MIN	5.79	5.89	Data	6.24	6.36	6.69	6.74	6.41	6.59	6.65	6.28	6.95	7.05	6.51	6.46	6.16	5.95	5.43	5.33	5.36	5.55	5.57	
	AVG	5.91	6.04	Available	6.46	6.53	6.75	6.84	6.64	6.70	6.76	6.95	7.07	7.25	6.75	6.60	6.44	6.07	5.75	5.40	5.61	5.67	5.72	0.00%
KYGER	MAX	5.75	8.49	No	6.90	6.97	6.99	7.04	7.16	6.72	6.84	7.02	7.45	7.30	7.96	8.03	7.58	7.53	7.04	6.47	6.50	6.70	6.64	
MP 260.0	MIN	5.03	5.53	Data	5.95	6.75	6.72	6.75	6.88	6.51	6.51	6.60	6.97	6.90	7.52	7.36	7.13	7.04	6.71	6.25	5.98	5.95	6.08	
	AVG	5.51	6.52	Available	6.44	6.90	6.87	6.95	7.02	6.60	6.70	6.86	7.15	7.05	7.74	7.62	7.36	7.30	6.86	6.35	6.27	6.39	6.42	0.00%
GREENUP***	MAX	6.46	5.90	No	No	5.04	5.11	5.45	5.40	5.76	5.59	5.26	5.74	6.50	6.55	6.79	6.84	6.48	7.18	7.32	5.76	6.10	6.91	
MP 341.0	MIN	5.83	5.28	Data	Data	4.80	4.87	5.06	5.06	4.18	5.30	4.99	5.02	5.35	5.52	5.90	5.90	6.02	6.02	5.74	5.50	5.21	5.21	
UPSTREAM	AVG	6.23	5.60	Available	Available	***4.91***	5.03	5.37	5.21	5.44	5.44	5.14	5.34	5.78	6.12	6.32	6.20	6.20	6.58	6.13	5.65	5.75	6.12	5.00%
DOWNSTREAM	MAX	6.72	6.89	No	No	6.05	6.00	6.19	6.07	9.91	6.17	6.00	6.02	7.25	7.18	7.90	7.58	7.51	7.90	6.70	6.31	6.70	7.25	
	MIN	4.15	4.30	Data	Data	5.81	5.81	5.88	5.50	5.62	5.88	5.69	5.59	5.59	6.41	6.74	6.86	6.86	6.89	***3.94***	5.64	5.62	5.66	
	AVG	5.24	6.43	Available	Available	5.94	5.87	6.05	5.72	6.24	6.00	5.85	5.72	6.48	6.84	7.14	7.09	7.12	7.44	6.15	5.93	5.95	6.75	0.00%
MARKLAND***	MAX	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	
MP 531.5	MIN																							
D.O. #1	AVG	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	0.00%
D.O. #2	MAX	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	
	MIN																							
	AVG	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	Issues	0.00%
CANNELTON	MAX	No	No	No	No	No	No	5.15	5.14	5.18	5.23	5.25	5.26	5.48	5.46	5.40	5.67	5.20	5.02	4.38	5.76	5.70	5.91	
MP 720.7	MIN	Data	Data	Data	Data	Data	Data	4.72	4.76	4.77	4.68	4.83	4.71	4.23	4.96	4.66	5.04	4.88	4.18	***3.86***	5.11	4.80	4.60	
	AVG	Available	Available	Available	Available	Available	Available	***4.91***	***4.94***	5.02	***4.96***	***4.98***	***4.95***	***4.84***	5.21	5.03	5.28	5.03	***4.66***	***4.10***	5.37	5.15	5.25	50.00%
NEWBURGH **	MAX	No	No	No	No	No	No	No	No	No	8.81	8.44	9.08	10.14	13.48	14.69	10.03	9.15	8.73	8.89	9.18	8.79	8.26	
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	8.03	7.63	7.65	7.68	8.56	8.55	8.66	8.51	7.69	7.16	7.36	7.43	7.37	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	8.44	7.92	8.14	8.56	10.24	10.61	9.30	8.82	8.35	7.88	7.98	8.07	7.67	0.00%
JOHN T. MYERS**	MAX	7.3	7.42	7.42	8	8.14	8	7.5	7.52	7.39	7.48	7.57	7.78	8.8	8.78	8.3	8.39	7.46	7.37	7.04	6.99	7.16	7	
MP 846.0	MIN	6.99	6.96	7.1	7.06	7.78	7.4	7.23	7.08	7.07	6.92	6.83	6.78	7.13	6.69	6.99	7.25	7	6.69	5.96	6.2	6.18	5.96	
	AVG	7.14	7.17	7.23	7.56	7.95	7.70	7.35	7.33	7.29	7.16	7.17	7.23	7.73	7.77	7.49	7.70	7.24	7.07	6.51	6.54	6.55	6.47	0.00%
SMITHLAND**	MAX	7.41	7.39	6.97	6.51	7.03	7.12	7	7.57	7.29	8.1	8.44	9.05	8.42	6.64	6.43	5.71	6.13	6.64	9.05	8.42	8.42	7.22	
MP 919.0	MIN	6.69	6.96	6.25	6.2	6.37	6.89	6.7	6.1	6.44	6.55	6.83	6.59	6.47	5.78	5.03	4.52	4.92	4.96	6.59	6.47	6.76	6.29	
	AVG	7.02	7.15	6.49	6.34	6.70	6.99	6.83	6.77	6.76	7.16	7.31	7.30	7.34	6.24	5.83	5.12	5.34	5.66	7.30	7.30	7.30	6.70	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen August 2008

CALENDAR DAY JULIAN DAY		4-Aug 217	5-Aug 218	6-Aug 219	7-Aug 220	8-Aug 221	11-Aug 224	12-Aug 225	13-Aug 226	14-Aug 227	15-Aug 228	18-Aug 231	19-Aug 232	20-Aug 233	21-Aug 234	22-Aug 235	25-Aug 238	26-Aug 239	27-Aug 240	29-Aug 242	Monthly % Exceedance
MONTGOMERY	MAX	8.17	8.94	8.55	8.62	8.08	No	7.45	8.32	No	8.30	8.78	8.67	8.49	8.04	10.05	7.44	7.18	No	6.41	
MP 31.7	MIN	6.46	8.04	7.75	7.30	7.04	Data	6.84	6.96	Data	7.47	7.27	7.14	6.13	6.53	8.09	7.05	6.65	Data	6.07	
	AVG	7.48	8.44	8.19	7.95	7.51	Available	7.17	7.50	Available	7.80	7.79	7.56	7.49	7.37	8.69	7.23	6.94	Available	6.19	0.00%
HANNIBAL***	MAX	9.18	9.00	8.69	8.45	8.85	8.70	9.24	8.72	8.73	7.86	9.81	9.65	8.97	9.15	9.11	8.87	8.82	7.80	8.15	
MP 126.4	MIN	8.48	8.28	8.24	8.10	8.18	7.70	8.09	7.77	7.67	7.52	8.36	8.07	8.07	7.53	7.56	8.06	7.61	6.90	7.52	
UPSTREAM	AVG	8.86	8.72	8.42	8.27	8.47	8.27	8.59	8.23	7.97	7.71	9.14	8.94	8.60	8.25	8.48	8.57	8.23	7.48	7.79	0.00%
RACINE***	MAX	5.58	5.74	5.72	5.53	5.65	6.05	6.10	5.94	5.93	5.89	5.30	5.66	7.10	7.21	7.10	6.47	6.60	5.93	7.64	
MP 237.5	MIN	5.21	5.43	5.30	5.26	5.32	5.74	5.63	5.53	5.53	5.40	4.94	5.02	5.27	6.30	5.92	5.61	5.60	5.16	4.83	
	AVG	5.41	5.57	5.53	5.39	5.45	5.92	5.83	5.75	5.69	5.60	5.15	5.41	6.73	6.79	6.39	6.16	5.99	5.58	6.30	0.00%
KYGER	MAX	6.37	6.52	6.80	6.46	7.99	8.33	8.32	8.38	8.06	7.24	7.03	6.81	7.04	7.63	7.91	7.62	7.73	8.88	7.28	
MP 260.0	MIN	5.93	6.04	6.11	6.30	6.32	6.93	7.55	7.45	7.24	6.92	6.63	6.23	6.28	6.90	6.93	7.11	7.26	7.34	6.81	
	AVG	6.21	6.28	6.58	6.37	6.75	7.51	7.96	7.81	7.69	7.07	6.84	6.48	6.80	7.17	7.43	7.35	7.50	8.64	7.04	0.00%
GREENUP***	MAX	5.90	5.42	4.49	4.92	5.35	4.92	7.70	8.47	7.99	7.25	6.43	6.89	3.70	3.36	3.22	7.63	4.44	4.68	4.61	
MP 341.0	MIN	4.56	4.32	3.86	3.89	4.13	4.13	4.13	6.82	6.60	6.12	5.74	3.65	3.38	3.10	2.88	2.23	4.06	4.39	4.37	
UPSTREAM	AVG	5.09	***4.65***	***4.22***	***4.27***	***4.93***	***4.44***	6.04	7.57	7.34	6.73	6.14	***4.83***	***3.56***	***3.22***	***3.09***	***4.45***	***4.30***	***4.52***	***4.47***	68.00%
DOWNSTREAM	MAX	7.27	6.58	6.82	7.01	7.15	5.16	8.90	9.82	9.98	8.71	8.33	7.80	6.77	6.60	6.17	5.83	5.62	6.07	5.74	
	MIN	5.50	5.54	5.26	5.98	5.64	0.17	1.66	7.82	8.06	7.49	7.58	6.79	6.46	5.90	5.50	4.94	5.30	5.38	5.52	
	AVG	6.21	6.07	6.22	6.42	6.30	2.30	7.01	8.96	8.77	8.07	7.92	7.31	6.61	6.35	5.90	5.46	5.45	5.65	5.63	0.00%
MARKLAND**	MAX	6.11	6.02	6.14	6.36	6.04	6.68	6.59	6.70	6.81	8.17	6.44	6.52	6.57	6.45	6.90	6.52	6.33	6.40	6.28	
MP 531.5	MIN	5.75	5.75	5.63	5.92	5.58	5.87	6.20	6.42	6.33	6.47	6.12	5.99	5.67	5.32	5.38	6.04	5.35	5.29	5.93	
D.O. #1	AVG	5.93	5.91	5.93	6.14	5.85	6.25	6.42	6.56	6.52	6.89	6.25	6.21	6.15	6.01	6.35	6.25	5.89	5.97	6.10	0.00%
D.O. #2	MAX	6.05	5.97	6.08	6.19	6.01	6.62	6.65	6.57	6.89	7.94	6.38	6.46	6.45	6.35	6.74	6.26	6.10	6.00	6.12	
	MIN	5.45	5.49	5.26	5.45	5.21	5.88	6.03	6.19	6.06	6.20	5.84	5.79	5.54	4.85	4.90	5.71	4.71	4.69	5.50	
	AVG	5.78	5.75	5.75	5.95	5.72	6.24	6.36	6.44	6.41	6.76	6.02	6.03	5.99	5.68	6.09	5.97	5.55	5.55	5.78	0.00%
CANNELTON	MAX	5.30	5.51	5.16	5.01	5.17	5.61	***3.90***	***4.03***	***3.75***	***3.70***	***3.53***	***3.57***	***3.55***	***3.56***	***3.34***	***3.80***	6.06	No	6.23	
MP 720.7	MIN	4.89	4.98	4.85	4.59	4.86	4.86	***3.50***	***4.03***	***3.30***	***3.55***	***3.34***	***3.33***	***3.12***	***3.21***	***3.09***	***3.23***	5.43	Data	5.85	
	AVG	5.03	5.22	4.97	4.82	5.00	5.09	***3.67***	***4.03***	***3.56***	***3.63***	***3.39***	***3.44***	***3.32***	***3.38***	***3.21***	***3.48***	5.71	Available	6.03	56.00%
NEWBURGH **	MAX	8.19	7.91	7.99	7.44	8.19	10.06	11.60	10.94	10.40	13.88	13.72	13.8	11.87	9.29	10.78	9.9	9.07	No	No	
MP 776.1	MIN	6.81	6.66	6.68	6.64	6.89	7.82	7.78	7.99	8.20	8.16	7.55	7.77	7.35	7.3	7.16	7.01	6.86	Data	Data	
	AVG	7.20	7.13	7.09	6.93	7.48	8.64	8.98	9.23	8.98	9.58	8.99	9.98	9.41	8.25	8.52	8.42	7.89	Available	Available	0.00%
JOHN T. MYERS**	MAX	7.65	9	7.51	6.93	7.6	8.82	8.23	7.9	7.83	7.95	11.17	12.23	8.19	7.29	7.24	6.72	6.46	No	No	
MP 846.0	MIN	6.14	6.65	6.1	6.05	5.79	6.26	6.58	6.37	6.62	6.64	6.92	7.28	6.7	6.39	6.41	5.79	5.82	Data	Data	
	AVG	6.96	7.47	6.79	6.40	6.52	7.17	7.19	6.82	7.29	7.08	8.18	8.86	7.33	6.90	6.78	6.26	6.10	Available	Available	0.00%
SMITHLAND**	MAX	6.13	6.64	6.66	7.42	8.04	7.66	7.12	7.33	7.28	6.5	6.97	7.51	6.11	5.21	5.5	***4.68***	***4.64***	***4.24***	No	
MP 919.0	MIN	4.92	4.96	5.17	5.04	5.78	5.6	6.06	4.98	5.34	5.03	5.42	5.17	4.34	4.28	4.21	***3.54***	***3.68***	***3.49***	Data	
	AVG	5.34	5.66	5.93	6.29	6.83	6.60	6.58	6.17	6.12	5.68	6.03	6.02	5.18	***4.81***	***4.86***	***4.09***	***4.28***	***4.00***	Available	28.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen September 2008

CALENDAR DAY JULIAN DAY		2-Sep 246	3-Sep 247	4-Sep 248	5-Sep 249	8-Sep 252	9-Sep 253	10-Sep 254	11-Sep 255	12-Sep 256	22-Sep 266	23-Sep 267	24-Sep 268	25-Sep 269	26-Sep 270	29-Sep 273	30-Sep 274	Monthly % Exceedance
MONTGOMERY	MAX	7.29	7.26	7.93	7.68	6.99	6.83	6.67	6.78	6.89	9.46	9.24	9.19	8.66	8.61	7.97	7.91	No
MP 31.7	MIN	6.79	6.71	6.85	6.75	6.13	6.37	6.25	6.35	6.45	8.37	7.77	7.57	5.88	7.71	4.88	7.62	Data
	AVG	6.96	7.03	7.29	7.15	6.50	6.61	6.46	6.56	6.66	8.70	8.44	8.36	8.21	8.10	7.30	7.78	Available
HANNIBAL***	MAX	8.78	8.58	8.72	8.39	8.51	8.76	8.72	9.74	9.87	9.83	9.47	8.69	9.36	9.54	9.29	9.47	
MP 126.4	MIN	8.03	7.80	8.28	7.17	7.88	7.83	8.06	8.79	8.21	8.37	8.06	7.92	8.58	9.18	8.96	8.70	
UPSTREAM	AVG	8.34	8.22	8.45	7.97	8.24	8.28	8.46	9.42	8.95	8.79	8.71	8.31	9.07	9.30	9.16	9.16	0.00%
RACINE***	MAX	7.62	8.69	8.96	7.32	5.14	7.31	No	No	No	7.46	7.00	6.92	8.45	8.33	8.00	7.79	
MP 237.5	MIN	6.99	6.82	7.41	5.89	4.18	4.32	Data	Data	Data	7.08	5.90	6.12	7.73	8.07	7.80	7.25	
	AVG	7.34	7.71	8.14	6.34	***4.70***	6.56	Available	Available	Available	7.27	6.40	6.55	8.19	8.19	7.91	7.58	8.00%
KYGER	MAX	8.23	9.65	8.38	8.39	8.31	9.51	8.85	9.63	8.60	6.45	6.73	6.13	6.08	9.45	7.43	7.48	
MP 260.0	MIN	6.91	7.60	7.55	7.58	7.51	7.47	8.18	7.80	7.80	5.94	5.71	5.51	5.62	5.65	7.00	7.05	
	AVG	7.60	8.53	7.88	8.02	7.86	8.52	8.52	8.68	8.28	6.14	6.18	5.88	5.88	8.47	7.28	7.26	0.00%
GREENUP***	MAX	7.22	8.42	7.87	9.17	6.70	5.93	*	5.30	5.59	6.70	6.60	7.01	6.74	6.34	8.14	6.00	
MP 341.0	MIN	6.02	6.67	6.53	6.02	5.52	4.49	*	4.90	5.28	6.26	6.22	6.31	6.10	5.93	5.83	5.35	
UPSTREAM	AVG	6.77	7.40	7.18	6.87	5.88	5.02	*	5.18	5.45	6.49	6.38	6.62	6.35	6.16	6.33	5.65	0.00%
DOWNSTREAM	MAX	6.74	5.93	5.64	*	7.85	9.82	7.85	11.52	11.02	*	*	*	*	*	*	*	
	MIN	5.95	5.57	5.04	*	*	7.32	7.37	7.56	7.56	*	*	*	*	*	*	*	
	AVG	6.36	5.77	5.42	*	6.25	7.67	7.47	7.85	7.79	*	*	*	*	*	*	*	0.00%
MARKLAND**	MAX	5.83	6.41	5.98	5.81	*	6.00	5.83	5.81	5.45	4.68	6.48	6.07	6.05	5.95	23.74	6.41	
MP 531.5	MIN	4.87	5.04	5.06	4.97	*	5.47	*	5.23	4.99	4.08	4.08	5.76	5.52	5.74	5.69	6.07	
D.O. #1	AVG	5.28	5.67	5.49	5.38	*	5.71	5.33	5.44	5.21	***4.38***	6.11	5.92	5.84	5.82	6.56	6.30	7.00%
D.O. #2	MAX	6.98	7.73	7.37	7.32	5.90	6.34	18.55	7.01	6.62	6.26	6.77	6.38	6.02	6.00	23.09	22.58	
	MIN	5.76	6.02	6.00	6.02	4.61	5.38	5.95	6.19	5.98	5.30	5.40	5.86	5.54	5.62	6.00	6.07	
	AVG	6.30	6.80	6.61	6.63	5.51	5.93	6.70	6.55	6.32	5.81	6.42	6.14	5.82	5.77	6.82	6.92	0.00%
CANNELTON	MAX	6.82	7.44	5.57	5.32	5.28	6.37	5.37	4.65	4.42	5.16	5.22	5.43	5.38	5.20	5.41	5.46	
MP 720.7	MIN	5.44	5.53	4.96	5.02	4.75	5.18	5.13	4.32	4.22	4.57	4.78	5.02	5.11	5.06	5.06	5.16	
	AVG	6.06	6.54	5.32	5.15	***4.94***	5.53	5.24	***4.44***	***4.31***	***4.79***	***4.89***	5.14	5.18	5.12	5.26	5.28	31.00%
NEWBURGH **	MAX	10.68	12.24	9.67	7.71	8.87	9.03	8.96	8.10	8.88	10.46	10.62	11.25	11.49	9.78	No	No	
MP 776.1	MIN	7.18	6.83	6.90	7.01	6.81	6.66	6.88	6.58	7.04	7.72	7.68	7.92	8.16	8.30	Data	Data	
	AVG	8.33	8.88	7.72	7.34	7.53	7.38	7.73	7.44	7.80	8.96	9.00	9.53	9.46	8.88	Available	Available	0.00%
JOHN T. MYERS**	MAX	9.22	8.42	8.5	8	7.26	6.75	7.07	7.15	7.91	10.45	10.12	12.3	9.85	11.12	9.74	No	
MP 846.0	MIN	7.78	7.47	7.68	6.57	6.47	6.12	6.14	6.48	6.46	7.49	7.6	7.91	8.21	8.38	8.54	Data	
	AVG	8.33	8.04	8.02	7.35	6.85	6.57	6.54	6.74	7.07	8.26	8.39	8.83	8.84	9.69	9.01	Available	0.00%
SMITHLAND**	MAX	4.53	4.93	4.82	4.52	4.98	4.90	5.29	5.00	4.59	6.91	7.45	7.95	7.52	7.14	8.71	8.17	
MP 919.0	MIN	***3.60***	***3.70***	***3.83***	***3.83***	***3.74***	***3.85***	4.13	4.07	***3.84***	5.33	6.06	6.16	5.86	6.13	6.51	7.22	
	AVG	***4.03***	***4.17***	***4.32***	***4.30***	***4.13***	***4.53***	***4.64***	***4.49***	***4.19***	5.91	6.48	6.84	6.58	6.62	7.35	7.50	56.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen October 2008

CALENDAR DAY JULIAN DAY		1-Oct 275	2-Oct 276	3-Oct 277	6-Oct 280	7-Oct 281	8-Oct 282	9-Oct 283	10-Oct 284	13-Oct 287	14-Oct 288	15-Oct 289	16-Oct 290	17-Oct 291	20-Oct 294	21-Oct 295	22-Oct 296	23-Oct 297	24-Oct 298	27-Oct 301	28-Oct 302	29-Oct 303	30-Oct 304	31-Oct 305	Monthly % Exceedance
MONTGOMERY	MAX	7.66	7.62	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	7.48	7.54	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	7.55	7.57	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	8.76	8.88	9.05	9.14	9.39	9.65	9.36	9.53	9.84	10.11	9.80	9.68	9.38	10.04	9.77	9.75	9.74	9.75	9.69	9.87	12.45	10.26	10.25	
MP 126.4	MIN	8.42	8.31	8.54	8.73	9.14	9.27	9.05	9.23	9.48	9.57	9.53	9.21	9.20	9.47	9.50	9.50	9.32	9.17	9.32	9.66	9.68	10.05	9.62	
UPSTREAM	AVG	8.61	8.71	8.81	8.96	9.27	9.44	9.22	9.42	9.71	9.90	9.64	9.40	9.26	9.71	9.61	9.58	9.52	9.50	9.51	9.75	10.00	10.15	9.95	0.00%
RACINE***	MAX	7.73	8.14	8.63	8.75	8.84	8.37	10.38	9.38	8.96	9.60	9.17	8.96	8.79	8.74	8.66	9.57	9.68	9.64	9.71	9.36	9.56	9.41	9.47	
MP 237.5	MIN	7.15	7.45	8.15	8.18	8.33	7.86	9.24	9.00	8.56	8.71	8.80	8.50	8.57	8.52	8.24	8.27	9.53	9.43	9.26	9.13	9.24	9.17	9.25	
	AVG	7.51	7.88	8.32	8.44	8.60	8.08	9.73	9.13	8.78	9.19	8.97	8.77	8.69	8.60	8.47	9.34	9.60	9.56	9.53	9.28	9.36	9.31	9.37	0.00%
KYGER	MAX	7.59	7.70	8.03	8.81	8.50	9.25	8.37	8.02	8.42	8.22	8.35	70.38	7.97	8.47	8.24	8.10	8.54	8.57	8.76	8.14	8.43	8.48	8.90	
MP 260.0	MIN	7.20	7.47	7.29	7.80	7.87	8.34	7.88	7.77	7.44	7.45	7.00	68.85	7.26	7.38	7.28	7.47	7.45	7.57	6.33	6.89	8.09	8.15	8.24	
	AVG	7.44	7.57	7.59	8.25	8.28	8.71	8.21	7.90	7.61	7.72	7.68	69.53	7.51	7.66	7.58	7.72	7.72	7.99	7.70	7.43	8.23	8.29	8.58	0.00%
GREENUP***	MAX	7.68	5.90	6.07	6.14	6.89	6.91	6.58	6.38	6.74	6.67	6.77	5.90	5.59	5.95	7.15	7.27	7.34	7.61	7.46	7.73	7.94	8.40	8.40	
MP 341.0	MIN	5.52	5.02	5.69	5.66	5.74	6.10	5.98	6.05	6.19	6.07	5.76	5.57	5.42	5.74	5.50	6.96	7.15	7.25	7.22	7.42	7.63	7.92	8.04	
UPSTREAM	AVG	5.81	5.53	5.87	5.78	6.33	6.41	6.38	6.25	6.44	6.41	6.05	5.73	5.52	5.81	6.83	7.17	7.24	7.38	7.35	7.61	7.81	8.06	8.17	0.00%
DOWNSTREAM	MAX	*	*	*	7.44	8.06	8.21	7.18	7.70	7.68	7.27	6.50	6.46	6.29	6.05	7.56	8.02	8.38	8.74	8.52	8.40	8.81	8.86	8.42	
	MIN	*	*	*	6.07	6.43	7.18	6.72	6.84	6.67	6.46	5.95	5.88	6.12	5.78	6.00	7.46	7.94	8.09	8.16	8.06	8.30	7.94	7.61	
	AVG	*	*	*	6.60	7.26	7.40	6.95	7.16	6.89	6.81	6.28	6.29	6.18	5.93	7.19	7.86	8.10	8.39	8.32	8.28	8.64	8.37	8.09	0.00%
MARKLAND**	MAX	6.79	7.03	6.84	6.26	6.29	6.29	No	6.05	5.52	5.74	No	No	No	6.74	6.82	15.70	17.30	6.77	7.03	7.68	7.63	7.63	7.68	
MP 531.5	MIN	6.36	6.79	6.41	5.90	5.88	5.90	Data	5.86	4.63	5.16	Data	Data	Data	6.31	6.43	6.22	6.29	6.17	6.82	6.98	7.44	7.46	7.37	
D.O. #1	AVG	6.61	6.92	6.70	6.07	6.03	6.06	Available	5.97	5.19	5.45	Available	Available	Available	6.49	6.61	6.96	6.87	6.48	6.92	7.44	7.52	7.56	7.53	0.00%
D.O. #2	MAX	7.22	7.63	7.34	5.71	No	No	No	No	5.71	5.78	No	No	No	6.82	6.84	11.04	11.06	6.74	6.67	7.85	7.99	8.06	8.14	
	MIN	6.38	7.30	6.12	4.30	Data	Data	Data	Data	5.16	5.54	Data	Data	Data	6.48	6.58	6.31	6.36	6.17	6.53	6.67	7.80	7.87	7.80	
	AVG	6.91	7.50	6.69	5.15	Available	Available	Available	Available	5.44	5.68	Available	Available	Available	6.62	6.71	6.82	6.67	6.50	6.61	7.74	7.88	7.99	7.97	0.00%
CANNELTON	MAX	5.39	5.40	5.26	5.53	5.44	5.21	4.92	5.12	5.12	4.91	5.09	5.24	5.02	4.73	4.69	5.05	5.09	5.04	5.23	5.45	5.45	5.53	5.87	
MP 720.7	MIN	5.23	5.17	5.05	5.14	4.97	4.99	4.77	4.81	4.76	4.73	4.73	4.91	4.85	4.40	4.48	4.78	4.92	4.86	5.03	5.30	5.27	5.31	5.56	
	AVG	5.30	5.25	5.15	5.32	5.13	5.13	***4.85***	***4.93***	***4.95***	***4.82***	***4.91***	5.10	***4.94***	***4.52***	***4.61***	***4.96***	5.00	***4.96***	5.11	5.39	5.34	5.41	5.69	43.00%
NEWBURGH **	MAX	9.29	9.71	10.96	11.05	9.59	8.44	8.51	8.88	8.66	8.94	8.59	7.88	8.13	8.48	8.38	8.40	8.49	8.65	8.99	9.28	9.41	10.64	No	
MP 776.1	MIN	8.57	8.45	8.18	8.33	8.41	7.66	7.35	7.51	6.60	7.43	7.18	6.88	7.00	7.57	7.28	7.54	7.97	7.80	8.58	8.80	8.77	9.15	Data	
	AVG	8.95	8.86	9.27	9.42	8.83	8.01	7.92	8.15	7.93	8.10	7.92	7.50	7.73	7.92	7.92	8.09	8.22	8.34	8.80	9.02	9.14	9.59	Available	0.00%
JOHN T. MYERS**	MAX	8.61	8.65	8.80	8.51	7.89	7.88	8.28	8.42	8.67	8.61	8.87	8.26	8.56	8.89	8.56	9.23	8.78	9.01	9.41	9.16	9.28	No	No	
MP 846.0	MIN	8.07	7.95	8.00	7.35	7.30	7.42	7.30	7.31	7.68	7.74	7.63	7.39	7.52	7.58	7.46	8.08	8.34	8.14	8.82	8.60	8.50	Data	Data	
	AVG	8.37	8.19	8.22	7.77	7.63	7.64	7.63	7.84	8.16	8.17	8.22	7.81	7.90	8.03	7.96	8.66	8.62	8.54	9.10	8.87	8.83	Available	Available	0.00%
SMITHLAND**	MAX	7.70	8.10	8.05	7.32	7.78	7.55	7.52	7.01	6.43	6.32	5.80	6.42	6.67	6.96	6.99	6.91	6.99	7.02	7.66	7.75	7.70	No	No	
MP 919.0	MIN	7.10	6.98	6.49	6.59	6.98	6.83	6.82	6.02	5.59	5.24	5.07	6.02	5.93	5.96	6.18	6.23	6.62	6.39	7.00	7.16	7.24	Data	Data	
	AVG	7.46	7.32	6.89	6.96	7.54	7.31	7.17	6.60	5.95	5.63	5.36	6.24	6.26	6.32	6.60	6.60	6.81	6.69	7.31	7.47	7.44	Available	Available	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen May 2009

CALENDAR DAY JULIAN DAY		1-May 121	4-May 124	5-May 125	6-May 126	7-May 127	8-May 128	11-May 131	12-May 132	13-May 133	14-May 134	15-May 135	18-May 138	19-May 139	20-May 140	21-May 141	22-May 142	26-May 146	27-May 147	28-May 148	29-May 149	Monthly % Exceedance
MONTGOMERY	MAX	10.76	10.00	9.98	9.66	10.24	10.53	11.03	10.51	10.53	10.50	10.32	10.34	10.75	10.61	10.70	10.94	10.63	9.92	9.54	9.78	
MP 31.7	MIN	10.52	9.82	9.89	9.49	9.73	10.29	10.58	10.32	10.38	10.43	10.19	10.21	10.22	10.26	10.20	10.28	9.42	9.11	8.87	8.79	
	AVG	10.65	9.92	9.93	9.53	9.95	10.41	10.94	10.46	10.43	10.46	10.27	10.27	10.54	10.48	10.44	10.61	9.94	9.42	9.16	9.35	0.00%
HANNIBAL***	MAX	10.37	10.94	12.68	9.84	10.46	10.94	14.79	11.66	11.94	11.66	10.17	9.93	10.02	10.94	10.44	10.91	No	9.68	9.48	10.08	
MP 126.4	MIN	9.54	9.23	8.93	5.28	4.43	9.83	7.08	9.90	11.49	10.16	9.93	9.63	9.62	9.93	9.62	10.34	Data	9.21	8.90	8.85	
UPSTREAM	AVG	10.12	9.99	10.75	8.14	8.13	10.34	9.89	10.96	11.68	11.26	10.05	9.84	9.87	10.41	10.14	10.62	Available	9.43	9.17	9.28	0.00%
RACINE***	MAX	64.23	9.11	8.50	8.45	7.19	7.22	6.08	8.72	8.64	8.63	8.58	8.48	8.46	8.37	8.63	8.74	9.16	8.86	7.95	7.15	
MP 237.5	MIN	63.29	8.41	8.26	6.80	5.57	6.61	4.86	5.58	8.47	8.51	8.50	8.33	8.29	8.01	8.05	8.47	8.90	7.95	7.13	6.48	
	AVG	63.86	8.72	8.37	7.92	6.82	6.85	5.43	8.22	8.56	8.56	8.54	8.40	8.36	8.19	8.36	8.61	9.06	8.53	7.53	6.83	0.00%
KYGER	MAX	9.80	8.82	8.11	8.01	8.23	8.22	7.90	7.99	7.99	6.74	*	8.52	9.13	9.09	9.09	9.08	No	7.67	7.58	*	
MP 260.0	MIN	9.20	8.11	7.72	6.86	6.52	7.88	7.66	7.61	5.55	5.27	*	8.27	4.67	7.55	7.67	7.53	Data	7.51	7.49	*	
	AVG	9.52	8.43	7.97	7.79	7.92	7.99	7.76	7.80	6.89	6.17	*	8.39	7.66	8.26	8.08	7.89	Available	7.59	7.53	*	0.00%
GREENUP***	MAX	7.92	8.35	7.61	6.31	6.02	5.83	7.58	7.73	7.70	8.11	8.45	8.21	7.61	7.56	8.26	8.28	7.13	7.68	6.79	6.65	
MP 341.0	MIN	7.70	7.25	5.95	5.74	5.45	5.52	5.30	7.10	7.30	7.39	7.70	7.54	7.15	7.18	7.56	7.82	6.50	6.36	6.12	5.90	
UPSTREAM	AVG	7.78	7.75	6.90	5.98	5.77	5.67	6.70	7.35	7.51	7.74	8.19	7.86	7.31	7.33	7.77	8.15	6.77	6.85	6.60	6.35	0.00%
DOWNSTREAM	MAX	7.30	7.34	7.20	6.74	5.95	*	8.42	7.70	8.11	7.90	7.94	7.92	8.50	9.31	9.24	8.76	7.03	6.77	6.38	6.48	
	MIN	6.12	6.12	6.05	5.74	5.66	*	5.38	7.46	7.37	7.03	7.37	7.10	7.13	6.96	6.79	6.65	6.07	5.71	5.35	5.02	
	AVG	6.50	6.60	6.45	5.99	5.77	*	6.81	7.57	7.61	7.47	7.66	7.35	7.41	7.23	7.13	6.96	6.28	5.96	5.70	5.40	0.00%
MARKLAND**	MAX	9.19	8.66	No	8.54	8.47	7.90	7.39	7.70	*	*	*	*	8.45	8.47	8.33	8.28	8.18	8.71	8.09	7.99	
MP 531.5	MIN	8.95	8.33	Data	*	7.22	4.63	6.17	5.57	*	*	*	*	*	8.30	8.18	7.73	7.78	7.78	7.66	7.46	
D.O. #1	AVG	9.08	8.47	Available	5.09	7.96	5.86	6.80	7.01	*	*	*	*	7.65	8.39	8.24	8.09	7.99	8.26	7.83	7.72	0.00%
CANNELTON	MAX	No	No	No	8.89	8.55	8.63	7.73	7.97	8.16	8.33	8.26	No	No	7.37	7.37	7.44	No	7.46	7.42	7.38	
MP 720.7	MIN	Data	Data	Data	8.72	8.46	8.52	7.66	7.77	8.11	8.29	8.15	Data	Data	7.25	7.09	*	Data	7.18	7.23	7.12	
	AVG	Available	Available	Available	8.81	8.49	8.58	7.71	7.87	8.13	8.31	8.20	Available	Available	7.31	7.28	6.06	Available	7.32	7.30	7.30	0.00%
NEWBURGH	MAX	No	No	No	9.00	8.94	8.34	7.54	7.34	7.58	7.92	7.81	7.74	8.34	8.54	8.52	8.37	7.98	8.08	8.16	8.00	
MP 776.1	MIN	Data	Data	Data	8.88	8.71	8.20	7.33	7.28	7.38	7.80	7.58	7.59	8.13	8.46	8.42	8.20	7.92	7.89	7.92	7.75	
	AVG	Available	Available	Available	8.95	8.81	8.26	7.42	7.31	7.50	7.85	7.69	7.67	8.25	8.50	8.46	8.27	7.94	7.97	8.07	7.94	0.00%
JOHN T. MYERS	MAX	No	No	No	No	8.31	8.17	7.38	6.74	6.63	6.94	7.03	6.71	7.35	7.55	7.82	7.89	7.65	7.86	7.57	7.44	
MP 846.0	MIN	Data	Data	Data	Data	8.17	8.08	6.97	6.52	6.56	6.71	6.90	6.58	7.08	7.25	7.64	7.70	7.38	7.34	7.35	7.20	
	AVG	Available	Available	Available	Available	8.24	8.12	7.22	6.67	6.59	6.85	6.95	6.66	7.19	7.38	7.74	7.77	7.53	7.58	7.48	7.33	0.00%
SMITHLAND	MAX	No	No	No	No	7.07	7.18	7.04	7.02	6.72	6.99	7.06	6.80	6.42	6.19	6.14	6.34	6.07	6.03	6.07	6.13	
MP 919.0	MIN	Data	Data	Data	Data	6.95	7.12	6.99	6.87	6.66	6.90	6.98	6.60	6.25	6.01	6.02	6.19	5.88	5.92	5.99	5.96	
	AVG	Available	Available	Available	Available	7.02	7.14	7.01	6.94	6.69	6.94	7.02	6.71	6.34	6.09	6.07	6.26	6.00	5.96	6.02	6.06	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen June 2009

CALENDAR DAY JULIAN DAY		1-Jun 152	2-Jun 153	3-Jun 154	4-Jun 155	5-Jun 156	8-Jun 159	9-Jun 160	10-Jun 161	11-Jun 162	12-Jun 163	15-Jun 166	16-Jun 167	17-Jun 168	18-Jun 169	19-Jun 170	22-Jun 173	23-Jun 174	24-Jun 175	25-Jun 176	26-Jun 177	30-Jun 181	Monthly % Exceedance
MONTGOMERY	MAX	9.19	9.45	9.04	9.16	9.23	9.26	9.09	9.12	9.29	8.88	9.41	9.77	10.33	9.62	No	*	7.17	*	*	8.82	8.64	
MP 31.7	MIN	8.84	8.76	8.80	8.85	8.86	8.79	7.87	7.18	8.19	8.49	8.99	9.12	8.92	9.00	Data	*	4.00	*	*	8.34	8.27	
	AVG	8.99	9.05	8.92	9.00	9.04	9.12	8.65	8.46	8.83	8.63	9.19	9.39	9.64	9.29	Available	*	6.28	*	*	8.66	8.44	0.00%
HANNIBAL***	MAX	9.59	9.77	9.98	9.20	9.33	9.54	10.29	10.04	10.22	9.72	9.93	9.90	9.18	9.23	9.08	9.29	9.00	9.26	11.16	9.78	8.67	
MP 126.4	MIN	9.11	9.27	8.70	8.55	8.49	8.78	8.75	9.15	9.42	9.39	9.17	9.02	8.54	8.99	7.49	8.55	7.53	7.92	5.63	8.49	8.33	
UPSTREAM	AVG	9.41	9.53	9.22	8.77	9.01	9.21	9.41	9.61	10.02	9.58	9.47	9.37	8.89	9.10	8.40	8.97	8.01	8.77	8.15	9.00	8.49	0.00%
RACINE***	MAX	5.99	7.79	7.92	7.54	7.43	7.24	7.17	6.97	6.61	6.37	6.33	6.62	6.17	5.96	5.98	6.20	5.80	5.74	5.58	5.80	5.96	
MP 237.5	MIN	5.51	5.58	7.45	7.38	7.18	7.04	6.95	6.58	6.27	6.21	5.87	5.87	5.96	5.41	5.41	5.72	5.32	5.35	5.47	5.47	5.50	
	AVG	5.76	7.40	7.69	7.46	7.30	7.14	7.06	6.79	6.44	6.29	6.12	6.13	6.07	5.60	5.80	6.04	5.44	5.57	5.53	5.61	5.71	0.00%
KYGER	MAX	7.53	7.51	6.91	6.95	6.75	7.80	7.70	7.67	*	6.68	6.50	6.28	6.07	5.90	5.63	5.89	5.83	5.33	5.79	5.79	5.74	
MP 260.0	MIN	7.36	5.66	6.41	6.62	6.63	6.42	7.20	7.38	*	6.39	6.19	5.77	5.54	5.18	4.87	5.38	5.22	4.94	5.19	5.59	5.38	
	AVG	7.45	6.69	6.71	6.76	6.69	6.73	7.51	7.51	*	6.51	6.30	5.93	5.78	5.42	5.12	5.55	5.48	5.10	5.62	5.64	5.54	0.00%
GREENUP***	MAX	6.84	6.79	6.98	7.18	6.84	7.34	7.03	6.60	7.34	7.32	5.28	5.62	5.74	5.66	No	6.24	6.10	5.71	5.52	No	6.07	
MP 341.0	MIN	6.26	6.60	6.70	6.60	6.60	4.01	6.50	6.07	5.81	6.58	4.90	4.78	4.90	4.87	Data	5.74	5.33	5.09	5.26	Data	5.47	
UPSTREAM	AVG	6.58	6.69	6.87	6.81	6.70	6.66	6.65	6.35	6.81	6.86	5.01	5.16	5.30	5.38	Available	6.02	5.89	5.50	5.38	Available	5.75	0.00%
DOWNSTREAM	MAX	8.45	9.89	10.39	6.22	8.52	10.01	6.46	*	6.58	6.58	6.22	6.19	6.24	6.17	No	6.48	6.62	6.38	5.66	No	9.82	
	MIN	4.39	6.50	6.17	5.88	5.62	5.16	5.09	*	4.70	6.38	6.12	6.05	6.00	5.95	Data	6.12	6.34	5.62	4.73	Data	5.14	
	AVG	6.60	6.94	7.00	6.07	5.99	6.54	5.49	*	5.88	6.48	6.17	6.12	6.12	6.04	Available	6.33	6.48	5.90	5.08	Available	5.96	0.00%
MARKLAND**	MAX	7.49	7.38	7.36	7.12	6.66	7.05	7.15	7.03	6.90	6.80	6.48	6.66	6.51	6.50	6.43	6.50	7.04	6.77	6.91	6.91	5.57	
MP 531.5	MIN	7.17	7.25	7.10	6.47	6.27	6.72	6.96	6.81	6.78	6.41	6.25	6.27	6.32	6.33	5.98	6.35	6.42	6.55	6.64	6.29	4.85	
D.O. #1	AVG	7.28	7.30	7.22	6.96	6.47	6.90	7.05	6.90	6.84	6.60	6.39	6.38	6.42	6.43	6.21	6.41	6.73	6.69	6.73	6.56	5.19	0.00%
CANNELTON	MAX	7.37	7.12	7.14	7.02	6.92	6.91	6.78	6.51	6.46	6.53	6.18	6.25	6.29	*	No	*	*	*	*	*	*	
MP 720.7	MIN	7.01	6.82	6.94	6.91	6.76	6.59	6.60	6.32	6.34	6.34	6.01	6.14	6.15	*	Data	*	*	*	*	*	*	
	AVG	7.15	7.01	7.04	6.95	6.86	6.78	6.72	6.43	6.41	6.45	6.10	6.20	6.21	*	Available	*	*	*	*	*	*	0.00%
NEWBURGH**	MAX	8.20	8.27	8.14	8.21	8.02	7.97	7.91	7.60	7.47	7.35	7.12	7.14	7.21	7.14	7.12	7.06	6.70	6.90	7.21	7.22	7.32	
MP 776.1	MIN	8.00	8.11	8.00	8.00	7.76	7.83	7.75	7.48	7.28	7.07	6.96	6.98	7.08	7.00	6.84	6.49	6.64	6.38	7.06	6.89	7.05	
	AVG	8.09	8.18	8.06	8.09	7.92	7.89	7.86	7.55	7.36	7.21	7.04	7.04	7.15	7.07	7.02	6.77	6.67	6.57	7.12	7.11	7.18	0.00%
JOHN T. MYERS**	MAX	7.63	7.09	7.04	7.03	6.93	6.96	6.98	7.79	7.72	7.52	7.15	7.13	6.85	6.90	6.93	7.01	6.91	6.90	*	*	6.83	
MP 846.0	MIN	7.50	6.95	6.93	6.87	6.78	6.75	6.83	7.60	7.50	7.28	7.02	6.80	6.76	6.75	6.78	6.81	6.64	6.38	*	*	6.26	
	AVG	7.56	7.04	6.99	6.97	6.89	6.87	6.90	7.70	7.61	7.40	7.09	6.95	6.81	6.83	6.85	6.92	6.83	6.57	*	*	6.52	0.00%
SMITHLAND**	MAX	5.83	5.72	5.90	6.18	6.30	6.90	6.87	6.67	7.30	7.19	6.27	6.25	6.37	6.26	6.22	6.00	5.79	5.74	5.66	5.43	6.90	
MP 919.0	MIN	5.59	5.57	5.81	6.06	6.25	6.71	6.75	6.55	7.09	6.93	6.03	5.97	6.21	6.10	6.10	5.71	5.67	5.51	5.56	5.33	6.66	
	AVG	5.74	5.65	5.85	6.12	6.27	6.81	6.80	6.62	7.23	7.09	6.17	6.09	6.30	6.16	6.15	5.87	5.73	5.60	5.61	5.40	6.79	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen July 2009

CALENDAR DAY JULIAN DAY		1-Jul 182	2-Jul 183	6-Jul 187	7-Jul 188	8-Jul 189	9-Jul 190	10-Jul 191	13-Jul 194	14-Jul 195	15-Jul 196	16-Jul 197	17-Jul 198	21-Jul 202	22-Jul 203	23-Jul 204	24-Jul 205	28-Jul 209	29-Jul 210	30-Jul 211	31-Jul 212	Monthly % Exceedance
MONTGOMERY	MAX	9.20	8.68	8.90	8.82	8.98	9.02	9.67	9.33	9.47	9.83	8.79	8.42	7.05	7.34	7.46	7.78	8.27	8.57	8.33	8.36	
MP 31.7	MIN	8.09	8.04	8.51	8.19	8.43	8.42	8.73	8.56	8.36	8.57	8.24	7.82	6.69	6.95	7.09	7.34	7.73	8.00	7.84	6.89	
	AVG	8.58	8.47	8.70	8.60	8.66	8.74	9.20	8.89	8.90	9.02	8.59	8.01	6.86	7.14	7.36	7.62	8.05	8.30	8.15	7.99	0.00%
HANNIBAL***	MAX	8.72	13.74	8.12	7.74	8.88	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 126.4	MIN	7.17	6.03	7.56	6.96	7.65	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
UPSTREAM	AVG	7.95	8.21	7.92	7.34	8.32	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%
RACINE***	MAX	5.84	5.53	5.62	5.59	5.56	5.56	5.93	6.04	6.13	No	5.80	5.64	5.76	5.42	5.32	5.43	5.32	5.25	5.11	6.04	
MP 237.5	MIN	5.53	5.34	5.28	5.36	5.34	5.34	5.61	5.65	5.65	Data	5.31	5.30	5.38	5.03	4.74	4.76	4.65	4.97	4.61	4.77	
	AVG	5.64	5.46	5.53	5.49	5.44	5.42	5.77	5.80	5.85	Available	5.61	5.42	5.58	5.17	5.03	5.11	5.08	5.08	***4.92***	5.89	5.00%
KYGER	MAX	5.59	5.59	5.43	5.44	5.46	5.95	5.75	5.77	5.64	No	6.30	6.72	5.76	5.89	6.01	5.55	*	*	5.36	5.38	
MP 260.0	MIN	5.14	5.27	5.21	5.14	5.13	5.37	5.37	4.86	5.23	Data	5.76	6.18	5.18	5.61	5.51	4.70	*	*	4.82	4.87	
	AVG	5.36	5.42	5.33	5.32	5.30	5.64	5.60	5.29	5.45	Available	6.19	6.36	5.64	5.71	5.66	5.14	*	*	5.09	5.24	0.00%
GREENUP***	MAX	6.53	6.10	6.07	6.72	6.50	6.24	6.12	No	No	No	No	No	No	No	5.14	5.02	6.53	7.18	6.67	8.74	
MP 341.0	MIN	5.95	5.88	5.47	6.10	5.86	5.62	5.40	Data	Data	Data	Data	Data	Data	Data	4.97	4.82	5.28	5.86	5.74	5.81	
UPSTREAM	AVG	6.20	5.97	5.77	6.31	6.04	5.91	5.61	Available	Available	Available	Available	Available	Available	Available	5.04	***4.92***	5.48	6.17	6.02	6.40	8.00%
DOWNSTREAM	MAX	6.19	5.95	9.82	6.53	6.24	6.55	6.34	No	No	No	No	No	No	No	5.78	5.76	6.00	5.93	5.76	5.95	
	MIN	5.78	5.76	5.38	6.19	6.00	5.93	5.86	Data	Data	Data	Data	Data	Data	Data	5.47	5.45	5.33	5.33	5.38	5.57	
	AVG	5.93	5.87	5.99	6.35	6.12	6.10	6.07	Available	Available	Available	Available	Available	Available	Available	5.63	5.65	5.64	5.67	5.61	5.73	0.00%
MARKLAND**	MAX	5.81	6.14	6.25	6.18	6.21	6.70	6.23	6.40	6.02	6.06	6.09	5.86	5.79	5.80	5.62	5.67	6.64	6.36	6.21	6.19	
MP 531.5	MIN	5.38	5.72	5.71	5.94	5.88	5.61	5.59	5.42	5.47	5.44	5.63	5.30	5.30	5.11	5.02	5.48	5.62	5.99	5.99	5.58	
D.O. #1	AVG	5.55	5.90	5.96	6.06	6.04	5.98	5.92	5.91	5.70	5.71	5.94	5.62	5.51	5.40	5.28	5.59	6.09	6.15	6.12	5.94	0.00%
CANNELTON	MAX	5.76	6.10	6.59	6.65	6.54	6.41	7.79	6.49	*	*	7.05	7.47	7.62	7.88	7.08	6.96	6.60	11.16	8.06	8.03	
MP 720.7	MIN	5.57	5.70	6.33	6.37	5.99	6.05	6.09	5.92	*	*	6.67	6.58	6.87	6.80	6.83	6.61	6.35	8.39	7.75	7.52	
	AVG	5.64	5.92	6.43	6.51	6.29	6.20	6.62	6.22	*	*	6.87	7.14	7.08	7.26	6.95	6.78	6.46	9.78	7.93	7.73	0.00%
NEWBURGH**	MAX	8.37	8.93	8.36	7.98	8.00	8.26	10.08	8.57	9.32	8.12	7.58	7.35	8.30	7.34	7.36	7.82	7.85	7.53	7.41	7.13	
MP 776.1	MIN	7.39	7.82	7.30	7.18	7.21	7.32	7.44	7.35	7.26	7.10	6.72	6.89	6.57	7.01	6.62	7.17	6.71	6.81	7.05	6.85	
	AVG	7.84	8.30	7.77	7.49	7.57	7.74	8.11	7.86	8.01	7.58	7.11	7.10	7.41	7.19	7.00	7.39	7.20	7.08	7.21	6.92	0.00%
JOHN T. MYERS**	MAX	7.67	7.93	8.30	8.03	7.70	8.71	9.22	7.86	8.49	8.67	8.97	8.89	9.60	6.53	5.57	6.00	5.92	6.00	6.63	5.88	
MP 846.0	MIN	6.89	7.41	7.76	7.26	6.90	7.02	7.43	6.65	7.09	7.32	7.34	7.60	8.84	5.56	5.12	5.62	5.45	5.40	6.13	5.36	
	AVG	7.25	7.64	8.02	7.72	7.30	7.74	7.94	7.15	7.66	7.96	8.07	8.23	9.14	6.02	5.31	5.81	5.78	5.69	6.42	5.55	0.00%
SMITHLAND**	MAX	6.57	6.74	7.36	7.38	8.14	8.37	8.88	7.78	7.42	6.47	5.86	6.73	8.59	7.58	7.03	6.75	6.32	7.51	7.23	6.41	
MP 919.0	MIN	6.10	6.09	6.65	6.80	6.98	7.57	7.20	6.49	5.75	5.56	5.37	5.41	7.49	7.08	6.16	5.74	5.79	6.39	6.42	5.72	
	AVG	6.31	6.43	6.95	7.09	7.35	7.82	7.78	7.10	6.69	5.91	5.59	6.07	8.00	7.25	6.59	6.43	6.17	7.01	6.87	6.02	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen August 2009

CALENDAR DAY JULIAN DAY		3-Aug 215	4-Aug 216	5-Aug 217	6-Aug 218	7-Aug 219	10-Aug 222	11-Aug 223	12-Aug 224	13-Aug 225	14-Aug 226	17-Aug 229	18-Aug 230	19-Aug 231	20-Aug 232	21-Aug 233	24-Aug 236	25-Aug 237	26-Aug 238	27-Aug 239	28-Aug 240	31-Aug 243	Monthly % Exceedance
MONTGOMERY	MAX	7.95	8.31	8.24	8.26	8.31	8.61	8.60	8.75	8.58	8.24	8.40	8.38	8.24	8.37	8.40	7.60	7.70	7.85	8.43	9.02	7.52	
MP 31.7	MIN	7.77	7.97	8.11	8.14	8.02	8.19	8.27	8.18	7.94	8.09	7.98	7.81	5.42	5.17	7.43	7.35	7.34	7.57	7.76	7.66	7.01	
	AVG	7.87	8.09	8.18	8.19	8.17	8.37	8.46	8.50	8.22	8.18	8.20	8.19	7.56	7.50	7.86	7.50	7.54	7.73	8.13	8.21	7.31	0.00%
HANNIBAL***	MAX	No	No	No	No	No	No	9.87	9.06	10.76	13.86	*	*	8.55	8.31	8.39	9.17	9.65	8.58	8.82	8.66	8.52	
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	7.71	8.28	5.00	4.43	*	*	7.94	7.67	7.55	8.01	8.12	8.30	8.42	8.07	7.80	
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	8.48	8.70	9.70	10.65	*	*	8.27	8.03	8.04	8.44	8.55	8.42	8.67	8.42	8.18	0.00%
RACINE***	MAX	5.79	5.54	5.35	5.27	5.21	*	*	*	*	*	*	*	*	*	*	8.38	8.38	8.22	6.27	6.18	5.67	
MP 237.5	MIN	5.54	5.16	5.16	5.05	4.95	*	*	*	*	*	*	*	*	*	*	8.10	7.94	6.23	6.13	5.93	5.48	
	AVG	5.67	5.37	5.25	5.17	5.08	*	*	*	*	*	*	*	*	*	*	8.23	8.11	6.96	6.18	6.07	5.58	0.00%
KYGER	MAX	5.32	5.27	*	*	*	*	*	*	*	*	*	*	*	*	*	6.80	6.85	6.89	No	6.75	6.59	
MP 260.0	MIN	5.06	4.94	*	*	*	*	*	*	*	*	*	*	*	*	*	6.46	6.55	6.53	Data	6.40	6.27	
	AVG	5.18	5.14	*	*	*	*	*	*	*	*	*	*	*	*	*	6.63	6.70	6.71	Available	6.53	6.43	0.00%
GREENUP***	MAX	7.85	No	No	6.36	No	No	6.62	9.12	7.32	7.56	8.14	No	No	No	No	No	No	5.54	5.28	5.98	*	
MP 341.0	MIN	4.80	Data	Data	4.97	Data	Data	4.82	5.42	5.18	5.26	5.06	Data	Data	Data	Data	Data	Data	4.68	4.49	4.27	*	
UPSTREAM	AVG	5.37	Available	Available	5.22	Available	Available	5.40	5.89	5.55	5.59	5.46	Available	Available	Available	Available	Available	Available	***4.86***	***4.64***	***4.48***	*	30.00%
DOWNSTREAM	MAX	*	No	No	*	No	No	*	5.47	5.09	*	8.74	No	No	No	No	No	No	6.12	5.78	6.02	*	
	MIN	*	Data	Data	*	Data	Data	*	4.03	4.44	*	6.07	Data	Data	Data	Data	Data	Data	5.45	5.33	5.06	*	
	AVG	*	Available	Available	*	Available	Available	*	***4.87***	***4.73***	*	6.72	Available	Available	Available	Available	Available	Available	5.80	5.52	5.53	*	33.00%
MARKLAND**	MAX	5.39	5.48	5.43	5.36	5.39	5.80	5.81	5.97	6.08	6.48	6.74	6.75	6.49	6.51	6.27	5.48	5.72	5.87	6.00	5.97	5.78	
MP 531.5	MIN	5.11	5.25	4.98	5.00	5.29	5.48	5.50	5.60	5.78	5.98	6.32	6.27	6.27	6.12	5.86	5.12	5.25	5.50	5.44	5.30	5.57	
D.O. #1	AVG	5.26	5.36	5.14	5.21	5.33	5.59	5.64	5.74	5.95	6.21	6.50	6.44	6.39	6.28	6.03	5.27	5.50	5.63	5.79	5.60	5.69	0.00%
CANNELTON	MAX	7.19	6.92	6.83	6.72	6.92	6.82	7.03	6.81	7.97	7.72	5.59	5.75	5.82	5.94	5.48	6.18	6.48	6.32	6.56	7.73	No	
MP 720.7	MIN	6.76	6.72	6.41	6.44	6.66	6.68	6.82	6.62	7.71	6.34	5.44	5.53	5.53	5.43	5.35	5.94	6.23	5.92	6.02	5.97	Data	
	AVG	6.99	6.81	6.61	6.58	6.76	6.75	6.96	6.71	7.83	7.51	5.53	5.65	5.69	5.68	5.41	6.03	6.32	6.12	6.30	6.39	Available	0.00%
NEWBURGH **	MAX	6.24	6.50	6.73	6.39	5.82	6.80	6.85	6.54	6.46	6.55	7.21	8.02	8.04	7.64	8.21	7.48	7.14	7.54	7.79	10.00	7.18	
MP 776.1	MIN	5.97	6.19	6.43	5.79	5.52	6.42	6.46	6.33	6.26	6.25	6.42	6.78	7.01	6.94	7.02	6.89	6.77	6.64	6.94	7.28	6.10	
	AVG	6.07	6.30	6.56	6.14	5.70	6.56	6.65	6.42	6.35	6.38	6.77	7.24	7.42	7.14	7.57	7.22	6.94	7.08	7.33	8.30	6.51	0.00%
JOHN T. MYERS**	MAX	5.46	*	6.24	6.45	6.35	6.13	6.32	6.46	6.60	6.55	6.81	7.16	7.36	7.44	6.63	7.58	8.39	8.39	7.88	7.66	6.38	
MP 846.0	MIN	4.96	*	6.14	6.26	5.87	5.83	6.00	6.16	6.41	6.44	6.44	6.49	6.58	6.65	6.06	6.91	7.66	7.26	6.61	6.12	5.69	
	AVG	5.21	*	6.18	6.36	6.10	5.97	6.18	6.31	6.49	6.50	6.56	6.76	6.89	6.90	6.46	7.19	7.99	7.92	7.28	6.59	6.07	0.00%
SMITHLAND**	MAX	6.99	6.21	5.79	5.76	6.16	5.63	5.64	5.81	5.64	5.69	6.18	6.27	6.15	6.16	5.84	*	6.45	6.70	7.09	7.16	5.70	
MP 919.0	MIN	6.20	5.60	5.46	5.55	5.68	5.25	4.99	4.96	5.11	5.13	5.67	4.85	4.74	4.90	4.94	*	4.97	5.44	5.06	5.27	5.19	
	AVG	6.71	5.82	5.66	5.66	5.91	5.47	5.43	5.45	5.38	5.37	5.93	5.85	5.68	5.52	5.39	*	5.65	5.89	5.82	6.21	5.39	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen September 2009

CALENDAR DAY JULIAN DAY		1-Sep 244	2-Sep 245	3-Sep 246	4-Sep 247	8-Sep 251	9-Sep 252	10-Sep 253	11-Sep 254	14-Sep 257	15-Sep 258	16-Sep 259	17-Sep 260	18-Sep 261	21-Sep 264	22-Sep 265	23-Sep 266	24-Sep 267	25-Sep 268	28-Sep 271	29-Sep 272	30-Sep 273	Monthly % Exceedance
MONTGOMERY	MAX	7.73	8.61	9.17	9.14	9.20	9.19	8.57	8.15	8.08	8.06	8.19	8.25	8.06	8.68	9.11	8.10	7.77	7.88	7.85	7.89	8.06	
MP 31.7	MIN	7.43	8.33	8.38	8.64	8.20	8.32	7.96	7.59	7.68	7.44	7.77	7.70	7.61	7.81	7.64	7.62	7.52	7.41	7.44	7.56	7.11	
	AVG	7.57	8.48	8.68	8.94	8.76	8.63	8.17	7.82	7.83	7.81	7.98	8.00	7.79	8.13	7.96	7.85	7.65	7.67	7.66	7.70	7.74	0.00%
HANNIBAL***	MAX	8.48	8.07	8.27	8.99	8.58	8.79	8.58	8.79	*	*	*	*	*	*	*	8.60	8.84	8.81	8.42	8.34	8.31	
MP 126.4	MIN	7.91	6.80	7.22	8.13	8.30	8.42	8.28	8.40	*	*	*	*	*	*	*	7.43	8.36	8.34	7.25	8.15	8.09	
UPSTREAM	AVG	8.24	7.42	7.97	8.50	8.45	8.64	8.43	8.59	*	*	*	*	*	*	*	8.41	8.64	8.58	8.24	8.26	8.19	0.00%
RACINE***	MAX	5.98	5.81	5.92	5.96	6.07	5.77	5.61	5.36	6.83	6.88	7.49	7.40	7.12	6.52	6.39	6.28	5.96	6.14	6.42	6.57	6.79	
MP 237.5	MIN	5.44	5.63	5.65	5.76	5.75	5.56	5.26	5.12	6.26	6.47	6.65	6.82	6.56	6.15	6.26	5.92	5.69	5.74	6.16	6.25	6.56	
	AVG	5.76	5.73	5.75	5.84	5.91	5.68	5.42	5.28	6.57	6.73	7.00	7.16	6.77	6.33	6.33	6.11	5.80	5.89	6.28	6.45	6.71	0.00%
KYGER	MAX	6.36	6.23	6.32	6.09	*	*	*	*	6.67	7.18	8.33	8.32	8.35	8.35	7.31	7.02	6.48	6.20	6.10	6.29	6.51	
MP 260.0	MIN	6.15	5.95	6.02	5.68	*	*	*	*	6.40	6.46	7.00	7.38	7.51	7.30	6.58	6.26	6.13	5.95	5.31	5.74	5.95	
	AVG	6.23	6.09	6.12	5.85	*	*	*	*	6.52	6.84	7.52	7.82	7.82	7.86	6.99	6.61	6.30	6.05	5.68	5.99	6.09	0.00%
GREENUP***	MAX	5.64	5.52	5.59	6.17	9.17	5.59	24.60	6.10	6.10	6.50	5.98	5.66	5.64	5.57	5.54	5.76	5.57	5.16	4.82	5.66	6.00	
MP 341.0	MIN	5.35	5.09	4.97	4.99	4.56	4.97	5.52	6.10	6.10	5.33	5.28	5.28	5.06	5.30	5.16	5.18	4.97	4.87	4.68	4.39	5.76	
UPSTREAM	AVG	5.50	5.25	5.22	5.43	5.73	5.34	6.77	6.10	6.10	6.09	5.66	5.44	5.38	5.43	5.40	5.53	5.35	5.06	***4.74***	5.22	5.86	5.00%
DOWNSTREAM	MAX	10.49	7.68	7.37	7.75	7.66	5.86	6.70	6.10	6.10	*	*	*	*	*	*	*	6.36	6.24	5.71	6.34	6.94	
	MIN	6.29	6.55	6.94	7.06	5.40	5.26	5.23	6.10	6.10	*	*	*	*	*	*	*	6.00	5.88	5.45	5.54	5.62	
	AVG	7.02	6.92	7.10	7.31	5.96	5.36	5.89	6.10	6.10	*	*	*	*	*	*	*	6.16	6.07	5.59	5.91	6.65	0.00%
MARKLAND**	MAX	5.73	5.96	5.78	5.15	5.20	5.43	5.29	5.24	5.06	4.37	4.44	4.59	5.43	4.88	4.92	5.06	4.86	4.83	5.87	6.20	6.09	
MP 531.5	MIN	4.89	4.80	4.88	4.33	4.31	4.96	4.81	4.72	4.37	***3.43***	***3.62***	4.10	4.31	4.67	4.55	4.80	4.71	4.35	5.21	5.80	5.74	
D.O. #1	AVG	5.40	5.57	5.23	***4.67***	***4.92***	5.18	5.03	***4.97***	***4.65***	***3.88***	***3.88***	***4.28***	***4.93***	***4.77***	***4.72***	***4.96***	***4.78***	***4.53***	5.45	6.04	5.85	62.00%
CANNELTON	MAX	No	7.19	7.49	7.11	6.86	6.80	6.83	6.51	6.16	6.66	7.06	7.46	7.88	7.46	6.94	6.55	6.28	6.29	6.12	6.72	6.91	
MP 720.7	MIN	Data	7.01	7.09	6.79	6.58	6.44	6.24	6.13	5.91	6.41	6.82	7.13	7.39	6.95	6.64	6.23	6.13	6.10	5.77	6.36	6.54	
	AVG	Available	7.13	7.19	6.92	6.68	6.52	6.42	6.33	6.06	6.52	6.97	7.26	7.56	7.22	6.80	6.41	6.20	6.20	5.91	6.56	6.73	0.00%
NEWBURGH **	MAX	9.12	11.53	8.78	8.47	7.96	8.14	8.10	8.72	8.96	8.67	8.87	8.57	8.54	7.84	7.93	7.83	7.37	7.38	7.30	7.37	9.39	
MP 776.1	MIN	8.04	8.03	7.83	7.59	7.19	7.27	7.22	7.12	7.39	7.52	7.82	7.64	7.57	7.33	7.41	6.92	6.95	6.65	6.56	7.09	7.31	
	AVG	8.51	9.33	8.32	7.94	7.53	7.64	7.55	7.63	7.95	8.02	8.14	7.95	7.89	7.56	7.63	7.41	7.17	6.93	6.92	7.24	8.03	0.00%
JOHN T. MYERS**	MAX	7.91	9.24	8.50	7.93	7.71	8.57	7.59	7.65	7.69	7.58	7.64	7.64	7.65	7.43	7.38	7.07	7.03	6.88	7.15	7.26	8.69	
MP 846.0	MIN	7.33	7.54	7.39	7.12	6.96	7.47	6.82	6.41	6.61	6.57	6.76	6.88	6.81	6.95	7.02	6.83	6.76	6.49	6.67	7.06	7.10	
	AVG	7.67	8.13	7.97	7.54	7.35	7.90	7.21	6.86	7.08	7.09	7.12	7.16	7.21	7.23	7.26	6.99	6.89	6.73	6.87	7.16	7.19	0.00%
SMITHLAND**	MAX	5.12	5.45	5.92	6.02	4.89	4.77	5.03	5.52	5.02	7.96	7.84	7.77	7.81	7.22	7.21	7.27	7.20	7.05	6.70	6.12	5.76	
MP 919.0	MIN	4.65	4.90	4.86	5.17	4.39	***3.91***	***3.75***	***3.82***	***3.42***	7.84	7.68	7.53	7.42	7.14	7.12	7.07	7.02	6.88	6.14	5.77	5.34	
	AVG	***4.92***	5.19	5.46	5.46	***4.69***	***4.40***	***4.47***	***4.66***	***4.30***	7.92	7.78	7.62	7.59	7.17	7.17	7.13	7.09	6.96	6.40	5.89	5.53	29.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Daily Dissolved Oxygen October 2009

CALENDAR DAY JULIAN DAY		1-Oct 274	2-Oct 275	5-Oct 278	6-Oct 279	7-Oct 280	8-Oct 281	9-Oct 282	12-Oct 285	13-Oct 286	14-Oct 287	15-Oct 288	16-Oct 289	19-Oct 292	20-Oct 293	22-Oct 295	23-Oct 296	26-Oct 299	27-Oct 300	28-Oct 301	29-Oct 302	30-Oct 303	Monthly % Exceedance
MONTGOMERY	MAX	8.44	8.86	9.38	9.50	9.46	9.54	9.52	10.34	10.21	10.25	10.33	10.42	11.00	11.28	11.55	11.68	11.69	11.12	11.19	11.12	11.17	
MP 31.7	MIN	8.18	8.16	9.10	8.04	7.27	8.84	8.91	9.97	9.55	10.04	9.98	9.73	10.80	11.18	11.41	11.50	11.45	10.84	11.08	11.04	10.89	
	AVG	8.30	8.66	9.29	9.20	8.61	9.35	9.35	10.20	9.94	10.17	10.22	10.26	10.91	11.23	11.50	11.60	11.58	10.93	11.12	11.08	11.00	0.00%
HANNIBAL***	MAX	8.28	8.45	8.94	9.06	9.17	9.33	9.47	9.84	10.19	10.29	10.01	9.98	10.25	10.50	10.83	10.88	10.88	10.97	11.57	11.13	11.06	
MP 126.4	MIN	8.13	7.91	8.70	8.73	8.87	9.02	9.29	9.54	9.80	9.60	9.72	9.69	10.04	10.16	10.40	10.43	10.59	10.53	10.71	10.70	10.68	
UPSTREAM	AVG	8.22	8.28	8.83	8.88	9.03	9.20	9.38	9.68	10.02	9.93	9.88	9.84	10.14	10.36	10.53	10.55	10.73	10.65	11.21	10.89	10.88	0.00%
RACINE***	MAX	6.72	7.03	7.45	7.66	7.75	7.95	7.87	8.09	8.25	8.16	8.22	8.08	7.98	7.96	8.16	8.32	8.68	8.94	9.90	9.07	9.03	
MP 237.5	MIN	6.51	6.42	7.18	7.33	7.58	7.71	7.71	7.82	7.96	7.93	7.99	7.91	7.76	7.78	7.93	8.13	8.30	8.63	8.81	8.85	8.89	
	AVG	6.64	6.54	7.35	7.55	7.67	7.84	7.79	7.93	8.10	8.03	8.11	8.03	7.88	7.88	8.09	8.19	8.52	8.80	8.95	8.97	8.95	0.00%
KYGER	MAX	6.46	6.60	6.70	6.65	6.83	6.89	7.12	No	No	8.00	7.91	7.80	7.89	8.03	8.00	8.00	8.64	8.75	8.84	8.86	9.05	
MP 260.0	MIN	5.99	6.07	6.25	6.27	6.28	6.61	6.71	Data	Data	7.21	7.45	7.29	7.39	7.37	7.37	7.42	8.31	8.44	8.70	8.53	8.85	
	AVG	6.12	6.22	6.43	6.41	6.56	6.70	6.87	Available	Available	7.47	7.62	7.45	7.53	7.57	7.53	7.56	8.38	8.55	8.78	8.69	8.97	0.00%
GREENUP***	MAX	6.07	6.36	6.19	6.48	6.02	6.74	7.15	7.42	7.15	7.20	6.77	6.84	7.75	11.57	8.04	7.90	8.02	7.99	8.06	8.04	8.35	
MP 341.0	MIN	5.57	5.76	6.00	5.83	5.90	5.95	6.70	7.06	6.74	6.77	6.50	6.58	7.20	7.80	7.70	7.51	7.73	7.61	7.66	7.82	7.99	
UPSTREAM	AVG	5.82	6.10	6.06	6.10	5.97	6.62	6.91	7.22	6.89	6.94	6.70	6.74	7.52	8.01	7.90	7.70	7.93	7.76	7.89	7.93	8.21	0.00%
DOWNSTREAM	MAX	7.08	7.32	7.44	7.10	6.86	7.80	7.94	8.16	8.06	8.09	7.82	7.78	*	*	8.76	8.21	8.88	8.66	8.57	8.76	9.29	
	MIN	6.43	7.06	7.01	6.65	6.34	6.41	7.63	7.90	7.73	7.75	7.70	7.13	*	*	7.78	7.70	8.64	8.45	8.45	8.57	8.78	
	AVG	6.80	7.19	7.20	6.95	6.63	7.63	7.83	8.03	7.89	7.85	7.78	7.36	*	*	8.18	8.00	8.79	8.55	8.50	8.68	8.98	0.00%
MARKLAND**	MAX	5.81	5.83	6.17	6.25	6.41	6.55	6.92	7.05	6.85	6.90	6.91	6.75	7.31	7.72	8.10	8.22	8.18	8.07	8.59	8.60	8.53	
MP 531.5	MIN	5.61	5.57	5.77	5.86	6.21	6.01	6.54	6.78	6.39	6.44	6.69	6.62	6.99	7.24	7.92	8.03	7.83	7.61	8.06	8.52	8.32	
D.O. #1	AVG	5.70	5.67	6.04	6.07	6.33	6.23	6.80	6.93	6.58	6.67	6.79	6.68	7.14	7.44	8.00	8.12	7.98	7.85	8.33	8.56	8.45	0.00%
CANNELTON	MAX	6.97	7.02	7.50	7.53	7.40	7.41	7.40	7.69	7.51	7.76	7.84	7.97	8.78	8.75	8.75	8.77	9.16	8.90	8.79	9.31	9.57	
MP 720.7	MIN	6.64	6.76	7.34	7.39	7.23	7.19	7.22	7.49	7.41	7.60	7.67	7.86	8.65	8.60	8.58	8.52	9.03	8.65	8.65	9.16	9.32	
	AVG	6.86	6.94	7.44	7.46	7.31	7.28	7.32	7.62	7.45	7.67	7.77	7.93	8.72	8.67	8.68	8.61	9.08	8.79	8.72	9.23	9.44	0.00%
NEWBURGH **	MAX	7.59	8.02	8.13	7.90	8.38	8.43	8.41	7.97	7.97	8.01	8.24	8.20	8.73	9.02	9.10	9.22	9.11	9.26	9.24	9.29	9.68	
MP 776.1	MIN	7.06	7.58	7.69	7.68	7.85	8.03	7.86	7.32	7.72	7.71	7.86	8.10	8.55	8.68	8.94	9.07	8.68	9.09	9.01	8.91	0.06	
	AVG	7.32	7.80	7.89	7.79	8.08	8.19	8.16	7.73	7.84	7.86	8.07	8.15	8.63	8.85	9.00	9.14	8.93	9.19	9.13	9.06	9.36	0.00%
JOHN T. MYERS**	MAX	7.34	7.74	8.21	8.12	8.32	8.21	8.35	7.52	7.34	7.81	7.87	8.16	8.65	8.91	8.93	9.23	9.30	9.21	8.99	9.27	9.16	
MP 846.0	MIN	7.05	7.30	7.91	7.92	7.96	7.96	7.96	7.10	7.09	7.37	7.76	7.83	8.38	8.58	8.82	8.86	9.16	8.94	8.86	9.01	8.98	
	AVG	7.16	7.49	8.02	8.02	8.10	8.09	8.18	7.22	7.19	7.66	7.83	7.97	8.49	8.76	8.88	9.08	9.24	9.06	8.91	9.17	9.07	0.00%
SMITHLAND**	MAX	6.57	6.64	7.40	7.37	7.82	7.50	7.73	6.71	6.45	6.43	6.91	7.30	7.95	8.23	8.38	8.50	8.56	8.48	8.28	7.88	8.19	
MP 919.0	MIN	0.00	6.41	6.95	7.13	7.16	7.22	7.41	6.28	6.16	6.17	6.40	6.91	7.66	7.93	8.22	8.38	8.36	8.30	7.82	7.61	7.86	
	AVG	5.73	6.52	7.18	7.27	7.41	7.36	7.57	6.44	6.26	6.29	6.64	7.13	7.76	8.09	8.29	8.44	8.45	8.37	8.09	7.72	8.05	0.00%

*Indicates problem with instrument
**indicates ORSANCO data
***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen May 2010

CALENDAR DAY JULIAN DAY		3-May 123	4-May 124	5-May 125	6-May 126	10-May 130	11-May 131	12-May 132	13-May 133	14-May 134	18-May 138	19-May 139	20-May 140	21-May 141	24-May 144	25-May 145	26-May 146	27-May 147	28-May 148	Monthly % Exceedance
MONTGOMERY	MAX	10.51	10.56	10.05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	10.15	10.25	9.54	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	10.37	10.38	9.70	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	10.71	10.16	9.54	9.36	9.12	9.36	9.20	9.60	9.48	9.33	9.66	9.42	11.13	9.83	9.87	9.77	8.96	8.99	
MP 126.4	MIN	10.23	9.44	9.17	9.18	8.88	8.96	8.94	8.99	9.32	8.37	9.24	8.82	8.87	8.88	9.26	8.61	8.61	8.55	
UPSTREAM	AVG	10.45	9.76	9.32	9.28	9.01	9.11	9.08	9.49	9.40	8.65	9.44	9.03	10.13	9.07	9.47	8.86	8.79	8.82	0.00%
RACINE***	MAX	7.29	6.99	7.47	7.59	8.87	9.21	9.67	No	8.83	8.14	8.08	7.77	*	8.07	8.02	7.76	7.60	7.54	
MP 237.5	MIN	6.54	5.65	5.65	7.36	8.22	8.65	8.88	Data	8.38	7.90	7.66	5.59	*	7.93	7.67	7.61	7.42	7.40	
	AVG	7.04	6.37	6.62	7.46	8.50	8.94	9.30	Available	8.61	8.03	7.82	7.56	*	8.02	7.85	7.67	7.52	7.46	0.00%
KYGER	MAX	7.87	7.38	6.30	6.61	7.46	7.58	7.69	No	6.84	6.43	6.42	6.18	6.65	6.35	6.05	5.62	5.37	*	
MP 260.0	MIN	7.12	5.46	4.34	4.34	6.67	7.15	7.11	Data	5.53	4.36	5.79	4.69	4.79	5.50	5.09	4.97	4.60	*	
	AVG	7.56	6.68	5.20	5.85	7.05	7.43	7.43	Available	6.29	5.37	6.06	5.39	5.89	5.96	5.51	5.26	5.08	*	0.00%
GREENUP***	MAX	8.02	6.55	*	*	6.38	6.55	6.48	7.75	7.54	6.10	5.90	6.79	*	7.22	7.18	6.84	6.74	6.38	
MP 341.0	MIN	6.58	5.23	*	*	6.00	6.43	6.26	6.07	6.72	4.18	5.11	5.02	*	6.43	6.74	5.78	6.34	6.10	
UPSTREAM	AVG	7.39	5.81	*	*	6.23	6.48	6.40	6.88	7.10	5.81	5.63	6.20	*	6.82	6.98	6.55	6.56	6.22	0.00%
DOWNSTREAM	MAX	9.77	10.13	10.32	8.83	7.34	7.13	6.74	*	7.51	*	*	*	*	7.80	7.92	7.68	8.02	7.63	
	MIN	8.83	8.76	8.69	7.56	6.84	6.70	6.36	*	5.64	*	*	*	*	7.34	7.51	7.34	7.39	7.39	
	AVG	9.05	9.07	8.94	8.12	6.95	6.87	6.55	*	5.86	*	*	*	*	7.50	7.65	7.53	7.59	7.48	0.00%
MARKLAND***	MAX	No	No	No	No	6.45	7.12	7.40	7.27	7.34	6.83	6.80	6.90	6.97	No	6.65	6.66	6.63	6.67	
MP 531.5	MIN	Data	Data	Data	Data	6.32	6.39	7.10	6.93	7.08	6.72	6.66	6.62	6.81	Data	5.67	6.44	6.41	6.49	
D.O. #1	AVG	Available	Available	Available	Available	6.39	6.75	7.24	7.14	7.19	6.77	6.76	6.76	6.91	Available	6.41	6.56	6.53	6.56	0.00%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	No	No	No	No	No	No	No	No	No	7.61	7.57	7.56	7.94	7.42	7.38	7.24	7.10	7.04	
MP 720.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	7.40	7.44	7.33	7.64	7.23	7.31	7.21	6.92	6.79	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	7.51	7.49	7.46	7.80	7.33	7.36	7.22	6.97	6.90	0.00%
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	8.13	8.22	8.32	7.71	7.76	7.71	7.87	7.90	
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	7.99	8.04	7.98	7.57	7.54	7.56	7.67	7.74	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	8.05	8.14	8.08	7.61	7.62	7.63	7.75	7.82	0.00%
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	7.33	7.23	7.25	7.67	7.57	7.37	7.31	7.27	7.26	
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	7.11	6.99	6.98	7.45	7.27	7.19	7.10	7.04	7.12	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	7.19	7.12	7.13	7.52	7.42	7.27	7.18	7.12	7.19	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	6.55	6.57	6.68	6.95	7.10	6.74	6.49	6.48	
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	6.42	6.41	6.56	6.87	6.92	6.44	6.34	6.26	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	6.49	6.49	6.64	6.93	6.99	6.58	6.43	6.35	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen June 2010

CALENDAR DAY JULIAN DAY		1-Jun 152	2-Jun 153	3-Jun 154	4-Jun 155	7-Jun 158	8-Jun 159	9-Jun 160	11-Jun 162	14-Jun 165	15-Jun 166	16-Jun 167	17-Jun 168	18-Jun 169	21-Jun 172	22-Jun 173	23-Jun 174	24-Jun 175	25-Jun 176	28-Jun 179	29-Jun 180	30-Jun 181	Monthly % Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	7.43	9.53	9.17	8.87	9.24	9.14	10.65	9.81	8.78	8.76	8.75	8.51	8.75	9.54	8.85	7.85	8.16	8.40	6.83	8.00	7.86	
MP 126.4	MIN	6.29	6.30	8.40	7.88	6.80	7.70	7.38	5.75	8.45	8.33	8.28	8.07	8.37	8.22	7.88	7.34	7.32	7.82	6.60	6.57	7.11	
UPSTREAM	AVG	7.05	8.38	8.69	8.34	8.80	8.83	7.77	8.62	8.61	8.58	8.45	8.36	8.58	9.08	8.31	7.58	7.96	8.02	6.75	7.69	7.41	0.00%
RACINE***	MAX	7.48	7.14	No	*	*	*	5.94	6.14	6.16	6.26	5.95	6.12	6.22	6.14	6.03	5.98	6.12	81.17	5.44	6.45	6.24	
MP 237.5	MIN	7.13	6.13	Data	*	*	*	5.15	5.76	5.91	5.84	5.55	5.85	6.03	5.89	5.85	5.76	5.60	80.77	5.06	4.78	5.87	
	AVG	7.32	6.73	Available	*	*	*	5.63	5.92	6.02	6.06	5.77	5.97	6.13	6.02	5.93	5.87	5.94	80.95	5.23	5.73	6.06	0.00%
KYGER	MAX	5.79	5.82	No	5.59	*	*	*	6.06	6.57	6.46	6.32	6.07	6.04	5.83	5.80	5.92	5.79	79.55	6.08	6.05	5.95	
MP 260.0	MIN	5.32	5.49	Data	5.25	*	*	*	5.54	6.31	6.31	6.00	5.81	5.85	5.63	5.65	5.61	5.54	78.89	5.79	5.78	5.60	
	AVG	5.58	5.62	Available	5.42	*	*	*	5.84	6.47	6.39	6.13	5.92	5.97	5.72	5.71	5.74	5.64	79.19	5.89	5.90	5.77	0.00%
GREENUP***	MAX	6.79	7.34	7.10	7.22	6.07	5.71	5.50	5.26	5.69	6.05	5.88	5.93	6.02	5.93	6.19	6.10	5.45	5.64	No	No	No	
MP 341.0	MIN	6.36	6.19	6.67	6.34	5.69	5.35	4.70	4.80	5.35	5.78	5.54	5.66	3.31	5.47	5.66	5.52	4.46	4.63	Data	Data	Data	
UPSTREAM	AVG	6.61	6.70	6.85	6.71	5.90	5.54	5.07	5.05	5.50	5.91	5.68	5.83	5.53	5.65	5.99	5.82	4.86	5.12	Available	Available	Available	5.50%
DOWNSTREAM	MAX	8.50	8.35	8.71	9.19	*	*	*	*	5.62	5.66	5.45	5.47	5.66	5.18	5.78	5.71	5.42	5.52	No	No	No	
	MIN	7.75	7.94	8.18	8.18	*	*	*	*	5.42	5.40	5.33	4.73	4.25	4.80	5.02	5.23	4.97	4.97	Data	Data	Data	
	AVG	7.98	8.10	8.33	8.62	*	*	*	*	5.50	5.51	5.39	5.01	5.55	5.00	5.57	5.44	5.22	5.16	Available	Available	Available	0.00%
MARKLAND***	MAX	7.04	7.04	7.49	7.26	6.48	6.51	6.11	5.50	5.23	5.28	5.42	5.11	5.26	5.44	5.32	5.76	5.86	5.76	5.98	5.92	5.88	
MP 531.5	MIN	6.73	6.73	7.20	7.08	6.31	6.27	5.99	5.18	5.06	5.17	5.16	4.99	5.07	5.29	5.09	5.28	5.51	5.62	5.50	5.57	5.69	
D.O. #1	AVG	6.88	6.88	7.35	7.18	6.39	6.42	6.05	5.31	5.14	5.24	5.25	5.07	5.15	5.36	5.19	5.53	5.70	5.69	5.80	5.68	5.78	0.00%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	6.63	6.73	*	*	*	7.07	7.04	7.09	6.44	6.69	6.17	5.80	5.91	6.06	5.58	5.34	5.26	5.26	5.70	5.94	6.18	
MP 720.7	MIN	6.29	6.41	*	*	*	6.65	6.76	6.76	6.18	6.36	6.03	5.67	5.83	5.88	4.94	5.03	5.06	4.98	5.42	5.58	5.72	
	AVG	6.47	6.55	*	*	*	6.91	6.91	6.94	6.33	6.56	6.09	5.72	5.87	6.01	5.34	5.21	5.18	5.14	5.55	5.80	6.02	0.00%
NEWBURGH	MAX	7.43	7.38	7.20	7.51	7.53	7.72	7.73	7.57	7.29	7.25	7.43	7.25	6.86	7.31	7.35	7.28	7.57	7.28	8.59	8.43	6.99	
MP 776.1	MIN	7.12	7.02	6.98	7.24	7.31	7.39	7.51	7.37	7.13	6.83	7.05	7.07	6.72	7.12	7.14	7.11	6.82	6.89	7.63	7.50	6.50	
	AVG	7.33	7.16	7.09	7.33	7.43	7.55	7.61	7.48	7.23	7.03	7.24	7.19	6.80	7.22	7.24	7.18	7.17	7.07	7.97	7.85	6.76	0.00%
JOHN T. MYERS	MAX	6.90	6.99	7.00	6.97	7.23	7.00	7.40	7.27	7.19	4.77	4.72	4.46	4.59	4.33	4.40	4.42	4.52	4.56	5.26	7.95	8.54	
MP 846.0	MIN	6.37	6.79	6.76	6.56	6.91	6.60	6.56	6.96	6.89	4.54	4.45	4.31	4.36	4.20	4.12	4.27	4.27	4.45	4.64	7.47	7.54	
	AVG	6.64	6.92	6.89	6.78	7.00	6.85	7.04	7.10	7.08	***4.71***	***4.60***	***4.40***	***4.44***	***4.25***	***4.26***	***4.32***	***4.44***	***4.50***	***4.92***	7.68	8.04	42.80%
SMITHLAND	MAX	6.25	6.49	6.16	6.38	6.47	6.66	6.47	6.56	6.50	6.67	6.67	6.62	6.21	5.52	5.48	5.39	5.39	5.54	5.73	6.12	5.98	
MP 919.0	MIN	5.76	5.60	5.59	5.85	6.08	6.13	5.99	6.15	6.15	6.13	6.20	6.32	5.84	5.19	5.10	4.91	4.90	5.04	5.01	5.69	5.62	
	AVG	6.07	6.12	5.88	6.10	6.23	6.39	6.21	6.35	6.35	6.45	6.49	6.47	6.07	5.36	5.37	5.24	5.20	5.29	5.44	5.93	5.79	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen July 2010

CALENDAR DAY		1-Jul	2-Jul	6-Jul	7-Jul	8-Jul	9-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	Monthly
JULIAN DAY		182	183	187	188	189	190	193	194	195	196	197	200	201	202	203	204	207	208	209	210	211	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	8.45	8.45	8.16	8.57	8.16	7.68	6.63	7.76	7.83	8.15	7.52	8.22	8.09	7.85	8.39	8.72	9.42	9.95	11.33	7.86	8.16	
MP 126.4	MIN	7.35	8.07	7.44	8.04	7.58	6.99	5.63	5.45	7.01	7.32	7.13	7.53	7.50	7.08	7.47	8.19	7.59	8.75	7.50	6.78	7.17	
UPSTREAM	AVG	7.59	8.27	7.83	8.31	7.94	7.34	6.22	6.41	7.53	7.82	7.31	7.88	7.76	7.62	8.06	8.53	8.65	9.25	8.68	7.23	7.69	0.00%
RACINE***	MAX	5.71	5.48	5.16	5.04	5.16	No	No	No	7.96	7.90	6.66	8.97	9.78	11.03	10.28	9.63	No	10.29	10.32	10.99	9.07	
MP 237.5	MIN	5.38	5.19	4.87	4.78	4.58	Data	Data	Data	4.55	6.02	5.54	3.10	7.86	8.48	8.16	8.87	Data	8.47	8.11	8.90	7.03	
	AVG	5.55	5.35	5.03	4.89	4.90	Available	Available	Available	5.91	7.05	5.89	8.01	8.69	9.12	9.01	9.17	Available	9.11	9.14	9.80	8.35	11.70%
KYGER	MAX	5.74	5.53	5.80	6.03	5.80	No	No	No	6.13	8.30	8.57	8.42	8.28	8.21	7.95	7.17	No	9.71	8.38	6.93	7.27	
MP 260.0	MIN	5.46	5.22	5.26	5.36	5.20	Data	Data	Data	4.33	5.49	7.32	7.30	7.46	7.55	6.84	6.84	Data	7.57	6.23	6.03	6.06	
	AVG	5.59	5.40	5.43	5.60	5.39	Available	Available	Available	5.12	7.09	7.70	7.75	7.78	7.78	7.29	6.98	Available	8.91	7.38	6.48	6.63	0.00%
GREENUP***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	7.90	6.58	No	
MP 341.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	0.82	5.14	Data	
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	5.46	5.85	Available	5.50%
DOWNSTREAM	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	6.84	6.58	No	
	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	5.06	5.59	Data	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	6.24	6.00	Available	0.00%
MARKLAND***	MAX	5.74	5.48	6.50	7.71	7.77	7.57	5.53	5.21	4.75	4.29	4.47	5.79	5.98	6.74	6.57	5.77	4.86	4.69	4.58	4.63	4.54	
MP 531.5	MIN	4.98	4.85	5.66	5.93	6.20	6.28	4.40	4.38	4.20	3.78	3.73	4.91	5.47	5.25	5.73	4.89	3.92	4.17	4.20	4.03	3.92	
D.O. #1	AVG	5.31	5.16	6.01	6.79	7.10	6.90	4.82	4.71	4.45	4.02	4.06	5.23	5.67	5.82	6.14	5.30	4.28	4.40	4.38	4.30	4.19	47.60%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	6.35	6.53	8.86	10.87	8.95	9.74	10.19	7.67	6.95	6.97	6.83	5.04	4.92	5.73	5.67	5.15	5.40	5.72	5.50	5.40	5.46	
MP 720.7	MIN	5.88	6.02	6.37	6.86	7.67	7.42	6.20	6.30	5.92	5.81	5.69	4.34	4.30	5.19	4.86	4.71	4.89	4.91	5.15	4.79	5.12	
	AVG	6.13	6.28	7.57	8.73	8.52	8.33	7.80	6.79	6.58	6.49	6.23	4.70	4.66	5.42	5.22	5.01	5.15	5.27	5.35	5.12	5.32	9.50%
NEWBURGH	MAX	7.65	9.02	11.01	10.24	10.96	8.81	7.80	7.45	10.85	9.46	7.57	7.09	6.85	7.43	5.86	6.10	6.71	9.27	8.88	8.95	9.15	
MP 776.1	MIN	6.99	7.60	8.25	8.35	7.32	6.70	6.57	5.34	7.26	7.13	7.03	6.08	6.37	5.47	5.41	5.87	6.13	7.80	8.41	7.99	8.23	
	AVG	7.24	8.00	9.15	9.27	9.40	7.76	7.09	6.86	8.78	8.06	7.24	6.43	6.54	6.42	5.61	5.99	6.41	8.12	8.74	8.49	8.61	0.00%
JOHN T. MYERS	MAX	9.50	9.26	13.48	13.24	13.12	9.63	8.57	7.81	8.43	7.42	8.11	7.53	7.28	6.91	7.10	7.17	7.77	7.71	7.35	7.09	No	
MP 846.0	MIN	7.71	8.12	9.25	9.45	8.55	8.14	7.56	6.71	6.14	6.41	7.23	6.53	6.73	6.33	0.50	0.50	0.52	6.47	6.98	6.69	Data	
	AVG	8.61	8.74	10.97	10.99	9.97	8.89	8.03	7.24	7.22	6.95	7.62	6.92	7.08	6.60	6.31	6.05	6.50	6.95	7.09	6.93	Available	0.00%
SMITHLAND	MAX	7.23	7.17	6.96	6.76	6.26	6.39	6.94	7.08	6.84	6.63	7.05	6.79	6.62	6.30	6.26	6.60	6.58	6.48	6.09	No	No	
MP 919.0	MIN	6.28	6.64	6.59	6.07	5.91	5.67	6.37	6.17	6.07	5.91	6.30	5.95	6.27	5.63	5.77	6.02	5.23	5.70	5.74	Data	Data	
	AVG	6.68	6.89	6.75	6.38	6.06	5.94	6.69	6.64	6.32	6.29	6.53	6.37	6.45	5.89	6.02	6.27	5.62	5.91	5.89	Available	Available	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen August 2010

CALENDAR DAY		2-Aug	3-Aug	4-Aug	5-Aug	6-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	16-Aug	17-Aug	19-Aug	20-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	30-Aug	31-Aug	Monthly
JULIAN DAY		214	215	216	217	218	221	222	223	224	225	228	229	231	232	235	236	237	238	239	242	243	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	8.15	8.61	8.04	7.73	7.52	8.39	9.24	8.48	8.81	8.61	7.91	8.04	7.82	7.92	7.58	7.08	7.92	8.12	8.97	8.18	8.76	
MP 126.4	MIN	6.27	6.92	6.78	7.02	6.50	7.38	7.38	8.03	7.80	7.83	7.28	7.25	7.20	7.28	6.95	6.71	6.68	7.52	7.47	6.86	7.35	
UPSTREAM	AVG	7.31	7.54	7.40	7.30	7.05	7.79	8.25	8.18	8.39	8.37	7.67	7.60	7.51	7.58	7.21	6.96	7.39	7.74	7.94	7.57	7.99	0.00%
RACINE***	MAX	7.06	6.41	*	*	No	8.13	9.21	9.44	11.01	10.59	10.00	9.18	7.68	*	*	No	9.53	9.63	10.02	8.98	8.96	
MP 237.5	MIN	6.41	4.66	*	*	Data	7.20	7.20	5.88	5.88	9.43	8.26	7.82	4.36	*	*	Data	9.11	9.15	9.41	8.19	8.16	
	AVG	6.85	5.72	*	*	Available	7.61	8.32	8.41	9.68	9.95	8.99	8.20	5.95	*	*	Available	9.33	9.37	9.73	8.59	8.44	0.00%
KYGER	MAX	9.30	11.00	9.07	8.66	7.97	5.27	5.16	4.93	5.23	4.18	4.48	8.56	7.73	7.67	8.13	No	7.24	7.00	7.61	8.20	9.61	
MP 260.0	MIN	7.19	8.30	7.34	5.31	4.82	3.78	3.96	2.91	3.02	2.24	2.56	3.52	7.19	5.42	7.33	Data	6.82	6.49	5.90	5.86	7.08	
	AVG	8.27	9.16	8.24	7.44	6.09	4.49	4.53	4.34	4.19	3.06	3.58	6.58	7.48	6.85	7.76	Available	7.02	6.80	7.05	7.07	8.70	30.00%
GREENUP***	MAX	No	No	No	4.90	6.50	No	5.42	No	5.47	No	No	5.88	No	No	No	5.23	No	4.92	5.26	4.66	No	
MP 341.0	MIN	Data	Data	Data	4.37	6.41	Data	4.82	Data	5.14	Data	Data	4.22	Data	Data	Data	4.37	Data	4.18	4.30	3.79	Data	
UPSTREAM	AVG	Available	Available	Available	4.59	6.46	Available	5.01	Available	5.32	Available	Available	4.99	Available	Available	Available	4.64	Available	4.49	4.74	4.16	Available	66.60%
DOWNSTREAM	MAX	No	No	No	6.17	6.79	No	5.52	No	4.75	No	No	6.86	No	No	No	5.64	No	5.47	5.35	5.09	No	
	MIN	Data	Data	Data	5.40	6.43	Data	4.13	Data	3.98	Data	Data	5.45	Data	Data	Data	5.18	Data	5.06	4.92	4.15	Data	
	AVG	Available	Available	Available	5.67	6.55	Available	4.68	Available	4.25	Available	Available	5.98	Available	Available	Available	5.51	Available	5.27	5.08	4.54	Available	33.30%
MARKLAND**	MAX	4.68	5.58	4.38	5.11	5.15	3.86	3.98	4.10	3.88	3.60	4.03	4.24	4.31	4.38	5.07	4.97	4.81	4.99	5.12	5.94	5.21	
MP 531.5	MIN	3.71	4.27	4.12	4.13	3.60	3.49	3.53	3.59	2.99	2.94	3.65	3.52	3.60	3.79	4.28	4.34	4.07	3.92	4.30	4.19	3.84	
D.O. #1	AVG	4.17	4.48	4.24	4.59	4.22	3.64	3.68	3.82	3.42	3.24	3.81	3.78	3.89	4.01	4.65	4.64	4.32	4.26	4.60	5.12	4.79	95.20%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	14.79	14.49	14.28	14.04	13.57	14.92	14.46	13.96	14.84	13.58	5.55	4.88	5.72	6.78	6.20	5.88	5.43	5.89	5.57	5.49	5.42	
MP 720.7	MIN	13.21	13.21	13.07	4.45	12.93	12.94	13.06	13.17	13.35	13.37	4.92	4.65	4.59	5.35	5.34	5.30	5.20	5.32	5.44	4.99	5.16	
	AVG	13.51	13.62	13.59	13.20	13.18	13.44	13.43	13.49	13.68	13.43	5.26	4.75	5.07	5.67	5.60	5.53	5.30	5.49	5.50	5.22	5.27	4.70%
NEWBURGH **	MAX	10.04	13.26	10.26	11.03	10.60	10.15	9.30	10.38	9.71	8.45	7.38	6.70	7.32	8.28	7.20	7.82	7.67	8.37	9.77	8.48	8.64	
MP 776.1	MIN	7.57	8.76	8.94	8.74	8.78	8.33	8.16	8.36	8.36	7.35	6.40	6.23	6.21	6.32	6.40	6.87	6.96	7.06	7.41	6.74	6.28	
	AVG	8.29	10.28	9.45	9.30	9.42	9.08	8.80	9.03	9.06	7.87	6.84	6.42	6.76	7.13	6.72	7.29	7.27	7.66	8.18	7.54	7.27	0.00%
JOHN T. MYERS**	MAX	11.65	10.83	9.42	9.25	9.82	10.32	9.64	8.91	8.83	9.00	8.21	8.45	10.30	9.94	6.14	9.49	8.22	*	*	*	*	
MP 846.0	MIN	8.26	8.84	8.31	8.28	7.80	7.40	7.86	7.59	7.44	7.56	7.28	7.52	7.22	7.78	5.43	7.23	7.57	*	*	*	*	
	AVG	9.31	9.44	8.78	8.67	8.66	8.56	8.44	8.04	7.99	8.20	7.57	7.91	8.28	8.78	5.75	7.91	7.79	*	*	*	*	0.00%
SMITHLAND**	MAX	9.95	9.53	9.40	8.54	8.80	8.17	7.36	7.93	6.91	6.75	5.92	5.48	6.76	7.44	5.45	5.86	6.65	6.72	7.40	6.06	5.90	
MP 919.0	MIN	6.64	6.09	6.92	7.50	6.62	5.89	6.24	5.85	5.72	5.63	4.85	4.92	5.30	5.18	4.59	4.45	5.87	5.99	6.26	5.55	5.53	
	AVG	7.72	7.20	7.79	7.95	7.94	7.09	6.67	6.64	6.23	6.03	5.25	5.15	5.80	5.87	4.96	5.10	6.19	6.26	6.62	5.90	5.75	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Daily Dissolved Oxygen September 2010

CALENDAR DAY		1-Sep	2-Sep	3-Sep	7-Sep	8-Sep	9-Sep	10-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	27-Sep	28-Sep	29-Sep	30-Sep	Monthly
JULIAN DAY		244	245	246	250	251	252	253	256	257	258	259	260	263	264	265	266	267	270	271	272	273	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	7.95	8.57	8.00	9.42	9.33	9.06	10.80	7.83	8.06	8.07	8.13	8.09	7.95	8.06	8.25	8.16	8.37	8.34	8.12	8.10	7.74	
MP 126.4	MIN	7.19	7.46	7.38	7.77	8.67	8.49	6.81	7.19	7.17	7.50	7.44	7.68	7.59	7.67	7.76	7.92	8.01	7.91	7.94	7.53	7.53	
UPSTREAM	AVG	7.58	8.07	7.70	8.82	8.98	8.90	8.18	7.44	7.68	7.77	7.87	7.93	7.77	7.88	8.03	8.03	8.17	8.18	8.02	7.89	7.67	0.00%
RACINE***	MAX	8.76	8.73	8.41	7.50	7.04	10.23	9.73	8.16	7.89	7.11	7.11	7.21	No	11.27	11.20	11.14	10.96	9.38	11.87	11.57	No	
MP 237.5	MIN	7.90	7.80	7.43	6.84	6.56	6.69	8.61	6.91	6.24	5.84	5.97	5.97	Data	5.97	10.59	10.36	10.28	8.41	8.29	11.50	Data	
	AVG	8.24	8.18	7.70	7.14	6.81	8.80	9.23	7.54	7.15	6.58	6.61	6.74	Available	9.37	10.97	10.65	10.60	8.95	10.40	11.53	Available	0.00%
KYGER	MAX	9.26	8.39	8.99	8.43	8.94	11.08	10.82	11.00	10.44	9.86	9.14	8.87	No	8.15	8.46	7.77	7.44	6.75	6.54	6.35	No	
MP 260.0	MIN	7.69	7.53	7.75	7.75	7.72	8.23	8.87	8.36	6.34	5.65	5.42	5.59	Data	7.32	7.03	6.48	6.22	5.10	5.23	4.87	Data	
	AVG	8.48	7.88	8.20	8.05	8.33	9.23	9.57	9.90	9.47	8.62	8.35	7.89	Available	7.85	7.63	7.08	6.83	6.06	5.98	5.49	Available	0.00%
GREENUP***	MAX	No	No	No	6.38	No	8.18	No	No	6.26	No	7.27	6.38	No	6.14	No	No	6.70	No	No	No	No	
MP 341.0	MIN	Data	Data	Data	4.78	Data	5.64	Data	Data	5.54	Data	6.24	5.42	Data	5.81	Data	Data	5.76	Data	Data	Data	Data	
UPSTREAM	AVG	Available	Available	Available	5.46	Available	6.42	Available	Available	5.80	Available	6.75	5.97	Available	5.95	Available	Available	6.19	Available	Available	Available	Available	0.00%
DOWNSTREAM	MAX	No	No	No	6.24	No	7.06	No	No	7.25	No	7.99	7.78	No	7.87	No	No	7.58	No	No	No	No	
	MIN	Data	Data	Data	5.54	Data	5.95	Data	Data	6.86	Data	6.74	6.65	Data	6.17	Data	Data	5.93	Data	Data	Data	Data	
	AVG	Available	Available	Available	5.83	Available	6.29	Available	Available	6.99	Available	7.05	6.90	Available	6.46	Available	Available	6.16	Available	Available	Available	Available	0.00%
MARKLAND**	MAX	5.66	5.73	6.09	5.18	5.36	4.74	4.56	5.05	4.67	4.54	5.11	4.87	5.67	5.32	5.05	5.11	5.60	5.85	5.85	6.09	6.89	
MP 531.5	MIN	4.89	5.19	4.25	4.01	4.43	4.09	2.73	4.25	3.62	3.24	2.70	3.93	4.49	4.22	4.60	4.63	4.83	4.83	4.83	5.51	5.47	
D.O. #1	AVG	5.23	5.46	5.34	4.60	4.85	4.56	3.67	4.66	4.30	4.12	3.83	4.58	4.91	4.76	4.82	4.93	5.28	5.36	5.36	5.85	6.07	61.90%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	5.19	5.87	6.16	6.13	5.93	3.94	3.83	3.62	3.86	3.59	3.78	3.54	5.35	5.14	4.61	4.98	5.13	5.41	5.79	5.65	6.00	
MP 720.7	MIN	4.87	5.35	5.98	5.69	5.45	3.77	3.65	3.49	3.53	3.41	3.47	3.38	4.83	4.80	4.43	4.62	4.88	5.28	5.52	5.55	5.78	
	AVG	5.06	5.56	6.07	5.94	5.69	3.87	3.73	3.55	3.70	3.50	3.63	3.45	5.03	4.97	4.53	4.82	5.02	5.36	5.68	5.59	5.88	47.60%
NEWBURGH **	MAX	8.28	8.51	7.79	9.01	9.09	10.41	10.03	9.42	10.16	9.98	9.60	7.94	8.79	8.52	9.25	7.80	7.43	6.52	6.85	6.68	7.36	
MP 776.1	MIN	6.61	7.16	7.28	7.71	7.64	8.51	8.18	7.88	8.45	7.81	7.82	7.40	7.79	7.43	7.35	7.07	6.83	6.04	6.22	5.97	6.88	
	AVG	7.35	7.70	7.53	8.33	8.53	9.26	8.97	8.63	9.44	8.82	8.41	7.67	8.18	7.90	8.14	7.38	7.17	6.32	6.49	6.26	7.11	0.00%
JOHN T. MYERS**	MAX	4.57	4.29	4.00	4.21	7.45	8.01	7.43	6.85	7.05	7.39	7.64	8.24	7.12	6.77	7.06	6.55	6.45	5.81	6.19	6.91	7.03	
MP 846.0	MIN	3.87	3.86	3.77	3.63	7.00	6.99	7.04	6.44	6.77	6.48	7.20	7.59	6.36	6.53	6.45	6.22	6.02	5.62	5.97	6.13	6.10	
	AVG	4.20	4.03	3.90	3.84	7.23	7.31	7.19	6.59	6.90	6.81	7.38	7.91	6.70	6.65	6.77	6.35	6.25	5.70	6.11	6.42	6.45	19.00%
SMITHLAND**	MAX	5.91	5.46	5.35	5.41	4.83	5.42	5.14	5.59	5.50	6.81	5.33	5.27	5.48	6.14	7.98	8.17	6.52	6.61	6.57	6.50	6.77	
MP 919.0	MIN	5.14	4.88	4.66	5.03	4.57	4.79	4.90	4.98	4.41	4.62	4.45	4.41	4.50	5.38	6.15	6.56	5.61	5.97	5.94	5.75	5.86	
	AVG	5.60	5.14	5.03	5.29	***4.70***	5.07	5.03	5.25	***4.92***	5.71	***4.86***	***4.89***	***4.93***	5.73	7.17	7.62	5.99	6.35	6.17	6.03	6.18	23.80%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen October 2010

CALENDAR DAY		1-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	Monthly
JULIAN DAY		274	277	278	279	280	281	284	285	286	287	288	291	292	293	294	295	298	299	300	301	302	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	7.74	7.97	No	No	No	8.13	54.00	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 126.4	MIN	7.55	7.56	Data	Data	Data	8.03	8.64	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
UPSTREAM	AVG	7.64	7.81	Available	Available	Available	8.10	10.72	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%
RACINE***	MAX	11.67	11.07	11.69	11.47	11.47	11.33	11.81	11.50	12.29	11.76	11.45	10.83	11.08	11.55	11.53	10.48	10.19	12.29	12.16	12.26	12.17	
MP 237.5	MIN	11.26	10.84	10.84	11.10	11.06	10.99	11.34	11.23	11.27	10.95	10.77	10.23	10.36	10.25	10.24	9.75	9.70	9.77	11.84	12.00	11.98	
	AVG	11.47	10.98	11.12	11.27	11.26	11.19	11.54	11.35	11.62	11.26	10.98	10.55	10.70	10.91	10.71	10.05	9.97	11.12	11.98	12.11	12.08	0.00%
KYGER	MAX	*	*	*	9.58	9.68	9.74	13.30	11.29	11.50	11.56	11.51	11.90	11.90	11.69	11.69	11.79	12.01	11.92	11.74	11.57	11.64	
MP 260.0	MIN	*	*	*	7.23	9.36	9.36	10.19	10.49	10.87	11.09	10.99	11.13	11.24	11.19	11.27	11.47	11.42	11.39	11.19	11.05	10.96	
	AVG	*	*	*	8.86	9.52	9.58	10.51	10.86	11.13	11.32	11.27	11.56	11.52	11.38	11.51	11.61	11.71	11.70	11.45	11.27	11.20	0.00%
GREENUP***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	6.00	No	No	No	No	No	No	No	6.67	
MP 341.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	5.76	Data	Data	Data	Data	Data	Data	Data	6.46	
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	5.85	Available	Available	Available	Available	Available	Available	Available	6.53	0.00%
DOWNSTREAM	MAX	No	No	No	No	No	No	No	No	No	No	No	No	8.47	No	No	No	No	No	No	No	9.17	
	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	5.16	Data	Data	Data	Data	Data	Data	Data	5.23	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	5.58	Available	Available	Available	Available	Available	Available	Available	5.70	0.00%
MARKLAND**	MAX	7.02	5.93	6.21	6.24	6.77	6.99	6.79	6.86	7.62	7.82	7.15	6.97	6.89	7.00	7.08	7.17	6.87	7.36	7.36	7.70	7.85	
MP 531.5	MIN	5.52	5.54	5.66	5.69	5.92	6.06	6.34	6.58	6.67	6.25	6.46	6.14	6.12	6.21	6.19	6.33	6.60	6.27	6.27	6.26	7.61	
D.O. #1	AVG	6.20	5.76	5.92	6.01	6.15	6.59	6.57	6.70	6.79	6.98	6.79	6.59	6.45	6.60	6.76	6.68	6.75	6.85	7.04	7.28	7.73	0.00%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	5.78	6.35	6.47	6.46	6.42	6.57	6.93	6.73	6.74	6.59	6.83	7.02	7.28	6.98	6.88	6.91	6.74	6.89	6.87	7.17	7.27	
MP 720.7	MIN	5.53	6.23	6.21	6.20	6.12	6.16	6.50	6.38	6.35	6.19	6.42	6.59	6.58	6.60	6.64	6.59	6.55	6.57	6.54	6.75	6.80	
	AVG	5.69	6.29	6.33	6.36	6.27	6.35	6.70	6.59	6.51	6.43	6.59	6.81	6.89	6.80	6.75	6.77	6.66	6.75	6.69	6.97	7.01	0.00%
NEWBURGH **	MAX	7.32	8.37	8.48	8.75	8.78	8.62	9.98	9.07	9.01	8.36	8.51	9.04	9.28	9.04	9.20	9.22	8.51	8.51	8.25	8.57	8.55	
MP 776.1	MIN	6.97	8.04	8.00	8.11	8.20	7.91	8.93	8.07	8.08	7.87	7.98	8.30	8.37	8.54	8.68	8.80	8.13	8.29	8.00	8.30	8.34	
	AVG	7.12	8.11	8.14	8.29	8.44	8.32	9.28	8.50	8.39	8.05	8.24	8.66	8.82	8.69	8.91	9.01	8.33	8.39	8.10	8.39	8.46	0.00%
JOHN T. MYERS**	MAX	6.45	6.40	6.66	6.70	6.61	6.97	6.97	6.82	6.96	6.44	6.41	6.54	6.57	6.49	7.12	6.73	6.97	7.05	6.89	6.99	No	
MP 846.0	MIN	6.19	6.16	6.42	6.21	6.24	6.41	6.55	6.34	5.90	6.08	6.00	6.17	6.09	6.01	6.38	6.25	6.55	6.87	6.52	6.68	Data	
	AVG	6.27	6.30	6.57	6.47	6.42	6.72	6.73	6.50	6.41	6.26	6.21	6.40	6.36	6.28	6.63	6.51	6.79	6.98	6.72	6.86	Available	0.00%
SMITHLAND**	MAX	6.37	7.72	8.29	9.20	8.03	8.71	7.32	7.84	7.92	8.67	8.49	9.43	9.55	8.70	8.12	8.55	No	No	No	No	No	
MP 919.0	MIN	5.74	7.13	7.53	7.39	6.92	7.09	6.23	6.88	7.18	7.77	8.06	8.19	7.98	8.00	7.61	8.05	Data	Data	Data	Data	Data	
	AVG	5.99	7.35	7.81	8.09	7.48	7.67	6.77	7.27	7.61	8.13	8.28	8.68	8.58	8.29	7.83	8.27	Available	Available	Available	Available	Available	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Daily Dissolved Oxygen May 2011

CALENDAR DAY JULIAN DAY		2-May 122	3-May 123	4-May 124	5-May 125	6-May 126	9-May 129	10-May 130	12-May 132	13-May 133	16-May 136	17-May 137	18-May 138	19-May 139	20-May 140	23-May 143	24-May 144	25-May 145	26-May 146	27-May 147	31-May 151	Monthly % Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	No	No	59.75	8.95	9.11	9.13	9.11	9.03	9.00	65.10	8.05	7.56	7.26	7.83	7.85	7.88	7.84	7.82	7.74	7.66	
MP 237.5	MIN	Data	Data	59.42	8.87	8.91	8.95	4.81	8.90	8.85	64.37	7.52	7.17	7.01	7.00	7.63	7.76	7.68	7.63	7.65	7.45	
	AVG	Available	Available	59.64	8.92	9.04	9.05	7.74	8.97	8.90	64.68	7.74	7.39	7.16	7.50	7.75	7.83	7.78	7.76	7.69	7.54	0.00%
KYGER	MAX	No	No	No	No	9.11	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 260.0	MIN	Data	Data	Data	Data	8.91	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	Available	Available	Available	Available	9.04	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%
GREENUP***	MAX	8.23	8.26	8.35	8.59	8.59	8.59	8.11	7.66	7.39	7.39	6.58	6.58	5.64	5.30	5.30	5.16	5.35	5.54	5.76	7.42	
MP 341.0	MIN	8.02	8.09	8.09	8.35	8.38	8.09	7.94	7.42	6.74	6.58	6.00	5.62	5.30	4.92	4.78	4.87	5.11	5.04	5.52	7.15	
UPSTREAM	AVG	8.15	8.23	8.26	8.53	8.52	8.39	8.04	7.46	7.04	6.95	6.35	6.13	5.47	5.09	5.02	5.04	5.24	5.36	5.58	7.30	0.00%
DOWNSTREAM	MAX	12.05	9.17	9.70	14.38	13.03	13.03	12.72	11.40	11.40	11.40	7.85	7.85	7.82	7.68	7.68	7.66	7.49	7.34	7.18	7.54	
	MIN	8.26	6.84	6.24	9.14	12.29	10.75	12.10	11.04	9.10	7.63	7.42	7.42	7.32	7.51	7.34	7.49	7.32	7.06	7.06	6.46	
	AVG	10.87	8.25	8.12	13.00	12.60	12.45	12.33	11.25	10.49	9.62	7.63	7.63	7.63	7.61	7.58	7.55	7.41	7.20	7.11	6.85	0.00%
MARKLAND***	US-Lock	No	No	7.80	8.00	8.10	8.30	8.30	8.30	8.30	7.30	8.40	8.60	8.60	8.70	8.20	8.20	8.20	8.00	7.70	7.90	0.00%
MP 531.5	DS-Lock	Data	Data	8.90	9.00	9.00	9.20	9.20	9.20	9.20	8.40	8.60	8.80	8.80	8.90	8.30	8.50	8.40	8.10	7.80	8.10	0.00%
	US-Hydro	Available	Available	9.00	9.10	9.00	9.20	9.20	9.10	9.10	8.20	8.40	8.60	8.60	8.70	8.10	8.10	8.10	8.00	7.60	7.80	0.00%
	DS-Hydro			8.70	8.80	8.80	8.90	8.90	8.80	8.80		8.40	8.70	8.60	8.70	8.20	8.20	8.10	8.00	7.60	7.80	0.00%
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen June 2011

CALENDAR DAY		1-Jun	2-Jun	3-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	27-Jun	28-Jun	29-Jun	30-Jun	Monthly
JULIAN DAY		152	153	154	157	158	159	160	161	164	165	166	167	168	171	172	173	174	175	178	179	180	181	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	7.53	7.37	7.51	7.36	7.63	7.55	7.61	7.52	6.26	6.15	5.69	5.56	5.46	5.97	5.95	5.84	5.52	5.25	5.36	5.46	5.22	5.24	
MP 237.5	MIN	7.20	7.11	7.11	7.23	7.23	6.99	7.13	6.78	5.95	5.60	5.46	5.35	5.34	5.73	5.73	5.23	5.17	5.08	4.82	5.12	4.84	4.84	
	AVG	7.41	7.22	7.30	7.28	7.41	7.21	7.40	7.02	6.09	5.89	5.59	5.46	5.41	5.86	5.84	5.64	5.26	5.17	5.12	5.21	5.06	5.11	0.00%
KYGER	MAX	6.53	6.31	6.50	6.36	6.27	6.43	6.17	6.14	5.56	5.66	5.66	5.41	5.44	5.56	5.76	5.76	5.51	5.32	5.17	5.17	5.08	5.03	
MP 260.0	MIN	6.40	6.31	6.22	6.12	6.08	6.07	5.91	5.79	5.29	5.29	5.25	5.17	5.16	5.25	5.25	5.38	5.17	5.06	4.92	4.97	4.79	4.79	
	AVG	6.46	6.31	6.31	6.23	6.17	6.20	6.03	6.02	5.40	5.46	5.47	5.30	5.32	5.40	5.43	5.51	5.37	5.17	5.09	5.06	4.95	4.92	9.50%
GREENUP***	MAX	7.42	7.87	9.12	9.12	6.79	6.79	5.74	5.42	5.83	7.08	7.25	6.62	7.61	No	No	No	No	No	5.86	5.66	5.90	6.62	
MP 341.0	MIN	7.10	7.15	7.94	6.24	5.45	5.11	5.11	5.16	5.16	5.83	5.83	6.41	6.38	Data	Data	Data	Data	Data	5.52	5.47	5.47	5.66	
UPSTREAM	AVG	7.27	7.57	8.49	7.78	5.93	5.72	5.32	5.31	5.40	6.69	6.70	6.56	6.71	Available	Available	Available	Available	Available	5.64	5.57	5.63	6.22	0.00%
DOWNSTREAM	MAX	7.54	6.79	6.79	7.82	7.20	7.20	6.89	6.67	6.67	7.82	7.82	6.58	6.65	6.65	6.24	No	5.93	5.93	5.47	5.09	5.09	4.94	
	MIN	6.41	6.17	6.22	6.22	7.03	6.89	6.41	6.50	5.54	5.47	5.47	6.48	5.76	5.76	5.98	Data	5.66	5.50	5.04	4.34	4.34	4.08	
	AVG	6.75	6.46	6.37	6.71	7.11	7.07	6.62	6.58	6.30	6.22	6.35	6.53	6.20	6.19	6.05	Available	5.85	5.74	5.27	4.75	4.78	4.60	14.20%
MARKLAND***	US-Lock	7.80	7.70	7.70	8.20	8.30	8.70	8.90	9.30	6.50	6.40	6.90	6.70	6.30	6.50	6.80	6.30	6.20	6.10	6.30	6.60	5.90	6.00	0.00%
MP 531.5	DS-Lock	8.00	7.90	7.90	8.40	8.50	8.80	9.00	9.30	6.90	6.30	7.00	7.10	7.10	7.10	7.10	6.90	6.70	6.80	6.90	6.80	6.80	6.30	0.00%
D.O. #1	US-Hydro	7.70	7.70	7.70	8.20	8.30	8.60	8.80	9.20	6.70	6.30	6.90	7.20	7.10	7.20	7.40	6.80	6.80	6.70	7.00	7.10	7.00	6.50	0.00%
	DS-Hydro	7.70	7.70	7.70	8.20	8.30	8.60	8.90	93.00	6.60	6.40	7.00	7.00	7.00	7.00	7.10	6.70	6.60	6.50	6.80	6.90	6.80	6.40	0.00%
McALPINE***	MAX	No	No	No	No	No	No	No	8.82	7.47	7.09	6.50	5.86	5.75	6.66	6.57	6.63	6.66	6.56	6.29	6.08	No	No	
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	8.24	7.01	6.57	5.96	5.50	5.12	6.26	5.68	6.31	6.45	6.29	6.06	5.53	Data	Data	
	AVG	Available	Available	Available	Available	Available	Available	Available	8.50	7.22	6.86	6.28	5.64	5.48	6.47	6.26	6.43	6.55	6.47	6.18	5.80	Available	Available	0.00%
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	6.59	6.61	
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	6.40	6.21	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	6.49	6.41	0.00%
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	5.88	5.84	
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	5.81	5.70	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	5.84	5.76	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen July 2011

CALENDAR DAY		1-Jul	5-Jul	6-Jul	7-Jul	8-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	19-Jul	20-Jul	21-Jul	22-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	Monthly
JULIAN DAY		182	186	187	188	189	192	193	194	195	196	200	201	202	203	206	207	208	209	210	% Exceedance
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	8.60	No	9.10	8.90	7.60	7.30	7.70	7.70	
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	6.30	Data	6.60	6.60	6.60	6.60	6.50	6.50	
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	7.30	Available	7.30	7.50	7.10	7.00	7.10	7.10	0.00%
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	5.25	3.86	5.15	5.14	5.61	3.12	No	No	5.56	5.56	5.26	4.92	11.25	5.37	4.58	4.99	7.25	8.54	8.54	
MP 237.5	MIN	4.92	3.61	3.61	4.94	5.03	2.84	Data	Data	3.20	5.01	4.70	4.55	4.53	4.67	4.43	4.53	4.53	5.61	5.61	
	AVG	5.13	3.72	4.45	5.01	5.26	3.02	Available	Available	4.75	5.24	5.03	4.67	5.31	5.02	4.50	4.66	5.81	6.77	6.77	41.10%
KYGER	MAX	4.99	4.91	4.37	4.57	4.56	4.78	No	No	5.11	5.45	5.10	4.91	5.75	5.90	5.71	5.52	5.58	7.54	7.54	
MP 260.0	MIN	4.85	4.19	4.07	4.22	4.39	4.69	Data	Data	4.64	4.98	4.66	4.62	4.64	5.36	5.24	5.05	4.97	5.52	5.52	
	AVG	4.91	4.54	4.23	4.39	4.47	4.74	Available	Available	4.89	5.18	4.91	4.72	5.13	5.58	5.47	5.23	5.16	6.50	6.50	52.90%
GREENUP***	MAX	8.90	6.84	6.89	8.06	7.73	5.83	5.83	5.83	5.95	5.78	6.48	6.48	6.46	7.80	6.24	5.28	5.59	6.55	6.55	
MP 341.0	MIN	5.86	6.17	6.17	6.36	6.48	4.63	4.63	4.63	4.68	5.04	4.82	4.82	5.18	5.59	4.78	4.73	4.68	5.11	5.11	
UPSTREAM	AVG	6.33	6.57	6.58	6.94	7.09	5.24	5.18	5.18	5.29	5.45	5.49	5.43	5.80	6.90	5.52	5.05	5.09	5.88	5.88	0.00%
DOWNSTREAM	MAX	7.03	6.50	6.50	7.01	7.30	5.38	5.38	5.38	5.23	5.18	7.39	7.39	8.21	10.51	6.86	5.98	5.81	7.22	7.22	
	MIN	4.49	5.57	5.57	5.76	5.57	*	4.44	4.44	4.32	4.30	5.64	5.64	6.96	7.34	5.52	5.02	4.94	5.40	5.40	
	AVG	6.16	6.07	6.05	6.49	6.27	5.38	4.70	4.70	4.63	4.72	6.59	6.66	7.27	8.26	6.09	5.62	5.39	5.91	5.91	21.05%
MARKLAND***	US-Lock	6.20	6.50	6.00	5.80	6.20	5.10	5.10	5.10	5.10	6.70	6.00	6.00	N / A	5.80	5.70	5.60	5.20	5.40	5.40	0.00%
MP 531.5	DS-Lock	6.60	6.90	6.90	6.20	6.30	5.60	6.10	6.10	5.30	6.60	6.20	6.20	5.70	5.80	6.00	5.10	5.60	5.30	5.30	0.00%
D.O. #1	US-Hydro	6.90	7.30	7.10	6.50	7.20	6.40	6.30	6.30	5.90	6.30	6.20	6.00	5.80	5.70	5.60	5.40	5.10	5.40	5.40	0.00%
	DS-Hydro	6.70	7.10	6.90	6.70	6.90	6.30	6.40	6.40	6.10	6.20	6.20	6.00	6.00	N / A	*	*	*	*	*	0.00%
McALPINE***	MAX	8.66	6.11	6.11	No	No	No	No	No	No	No	No	No	8.12	7.90	8.11	8.00	6.83	7.53	No	
MP 606.8	MIN	6.69	5.72	6.11	Data	Data	Data	Data	Data	Data	Data	Data	Data	6.11	6.53	6.45	6.01	5.57	6.35	Data	
	AVG	7.37	6.00	6.11	Available	Available	Available	Available	Available	Available	Available	Available	Available	6.78	7.13	7.04	6.75	6.15	6.87	Available	0.00%
JOHN T. MYERS	MAX	7.00	7.91	8.92	7.95	7.60	7.28	7.05	7.34	6.48	7.01	7.87	6.94	7.72	7.76	7.87	8.20	7.95	9.21	8.67	
MP 846.0	MIN	6.31	6.56	6.87	6.78	6.29	6.29	5.65	5.78	5.82	5.65	6.21	6.21	6.20	6.16	6.60	6.06	6.36	7.04	7.85	
	AVG	6.72	7.04	7.47	7.34	6.89	6.83	6.28	6.48	6.11	6.24	6.73	6.54	6.81	6.99	7.20	7.19	7.23	7.85	8.29	0.00%
SMITHLAND	MAX	5.90	6.18	6.06	6.41	6.88	6.52	6.39	7.85	6.78	6.71	6.93	7.58	7.17	7.03	7.94	8.58	8.89	8.09	7.23	
MP 919.0	MIN	5.69	5.78	5.49	5.51	6.04	5.88	5.73	5.60	6.04	5.66	6.09	6.59	6.62	6.31	6.53	6.98	7.46	6.72	6.14	
	AVG	5.79	5.94	5.74	5.86	6.39	6.15	6.01	6.00	6.37	6.12	6.48	7.00	6.89	6.65	7.11	7.51	7.95	7.24	6.83	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen August 2011

CALENDAR DAY		1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	30-Aug	31-Aug	Monthly
JULIAN DAY		213	214	215	216	217	220	221	222	223	224	227	228	229	230	231	234	235	236	237	238	241	242	% Exceedance
MONTGOMERY	MAX	7.70	8.50	9.90	9.60	8.70	8.60	8.00	7.60	7.90	8.20	8.50	8.30	7.90	8.50	8.60	7.80	7.80	7.80	7.40	7.50	7.60	7.90	
MP 31.7	MIN	6.20	6.80	7.00	7.50	7.10	6.80	6.90	7.00	6.70	6.90	7.50	7.10	7.60	6.80	7.10	6.40	6.30	6.20	6.20	5.90	6.20	6.40	
	AVG	6.90	7.40	7.90	8.20	7.10	7.60	7.20	7.30	7.30	7.40	7.90	7.70	7.70	7.40	7.70	7.10	7.00	6.90	6.80	6.80	6.90	7.20	0.00%
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	5.40	6.59	6.65	6.57	6.00	6.65	6.65	5.89	6.62	7.57	6.59	6.91	6.77	7.03	7.03	6.61	6.45	6.79	6.54	6.51	5.98	5.52	
MP 237.5	MIN	4.76	4.78	6.06	5.79	5.60	6.20	5.17	5.05	5.24	6.01	6.06	6.23	6.41	6.41	6.49	6.09	6.07	6.08	6.18	6.11	5.45	5.18	
	AVG	5.03	6.01	6.33	6.18	5.81	6.38	6.04	5.32	5.88	6.71	6.30	6.50	6.57	6.60	6.75	6.26	6.23	6.50	6.33	6.29	5.61	5.38	0.00%
KYGER	MAX	6.21	6.07	6.48	6.09	5.80	5.46	5.34	5.75	5.60	5.96	6.02	5.96	6.57	7.46	7.25	6.40	6.07	5.65	5.65	5.51	No	No	
MP 260.0	MIN	5.52	5.30	5.38	5.60	5.44	4.82	4.99	5.03	3.93	3.79	4.83	4.13	4.08	6.43	6.61	5.76	5.37	5.27	5.27	4.87	Data	Data	
	AVG	5.87	5.57	5.80	5.84	5.60	5.18	5.13	5.33	5.03	4.87	5.34	4.84	5.89	6.84	6.87	6.10	5.72	5.46	5.42	5.24	Available	Available	10.00%
GREENUP***	MAX	7.15	8.16	8.16	5.83	6.26	6.24	No	5.50	6.91	6.86	No	6.02	6.05	6.60	6.46	5.33	5.57	5.57	5.09	5.26	No	6.46	
MP 341.0	MIN	5.57	5.66	5.66	5.02	4.85	4.01	Data	4.66	5.02	5.62	Data	4.85	4.85	5.42	5.11	4.61	4.58	4.58	4.68	4.61	Data	5.64	
UPSTREAM	AVG	6.41	6.85	6.65	5.43	5.46	5.22	Available	5.13	5.71	6.16	Available	5.55	5.64	5.81	5.75	5.03	5.08	5.00	4.91	4.88	Available	6.00	15.70%
DOWNSTREAM	MAX	8.69	8.11	8.11	6.34	6.00	6.50	No	5.81	6.70	7.63	No	7.13	7.13	7.01	6.72	6.41	5.95	5.95	5.52	6.14	No	6.96	
	MIN	*	6.14	6.14	5.35	5.40	5.45	Data	5.21	5.54	5.57	Data	6.05	6.05	6.17	5.90	5.64	5.50	5.45	4.92	5.26	Data	6.65	
	AVG	7.23	6.62	6.63	5.99	5.64	5.96	Available	5.42	5.98	6.30	Available	6.66	6.68	6.48	6.32	5.91	5.67	5.63	5.28	5.71	Available	6.85	0.00%
MARKLAND***	US-Lock	5.90	5.50	6.20	6.10	5.70	6.30	5.90	5.40	6.30	6.30	6.60	6.60	7.10	7.40	7.50	6.40	6.20	5.90	6.40	6.80	5.30	4.90	0.00%
MP 531.5	DS-Lock	5.40	5.10	5.80	5.70	5.30	5.20	6.00	4.90	5.10	*	*	*	*	7.00	6.90	5.80	5.70	5.20	5.60	6.10	*	*	0.00%
D.O. #1	US-Hydro	6.00	6.20	6.10	6.00	5.70	6.20	5.70	5.30	5.90	5.90	5.20	5.90	6.60	6.90	6.90	5.70	5.20	5.30	5.90	6.40	5.50	4.80	4.50%
	DS-Hydro	*	*	5.30	4.90	4.90	4.50	4.50	5.30	5.10	*	*	5.40	5.50	5.50	5.50	5.10	4.50	4.70	5.00	5.40	4.40	4.00	44.40%
McALPINE***	MAX	No	No	No	No	6.89	6.11	7.06	7.64	7.65	7.83	6.59	6.63	6.59	6.67	6.23	6.87	7.05	6.01	6.22	No	No	No	
MP 606.8	MIN	Data	Data	Data	Data	6.13	5.38	5.20	6.49	6.06	6.10	5.78	5.81	5.77	5.68	5.73	5.44	5.69	5.08	5.77	Data	Data	Data	
	AVG	Available	Available	Available	Available	6.43	5.66	6.12	6.91	6.77	6.85	6.08	6.15	6.10	6.17	5.93	5.91	6.22	5.59	5.90	Available	Available	Available	0.00%
JOHN T. MYERS**	MAX	7.85	9.88	7.74	8.15	8.28	7.07	7.02	6.49	7.57	7.53	7.37	7.94	No	No	No	No	No	8.70	7.28	7.31	9.54	9.08	
MP 846.0	MIN	6.64	6.84	6.45	6.79	6.87	6.31	6.18	6.15	6.20	6.00	6.45	6.50	Data	Data	Data	Data	Data	6.74	6.23	6.47	7.74	7.19	
	AVG	7.20	7.82	7.11	7.39	7.40	6.69	6.48	6.32	6.66	6.51	6.78	7.05	Available	Available	Available	Available	Available	7.32	6.68	6.80	8.37	7.87	0.00%
SMITHLAND**	MAX	7.69	8.19	8.48	7.16	6.27	4.86	5.26	4.65	5.80	6.23	5.02	5.33	5.62	5.04	4.87	7.14	5.05	4.96	6.80	5.40	7.22	5.64	
MP 919.0	MIN	6.38	6.16	5.87	6.06	4.93	4.24	4.00	4.20	4.24	4.12	3.83	3.84	3.85	4.04	4.00	4.44	4.06	4.08	4.30	4.44	4.88	4.48	
	AVG	6.86	6.71	6.88	6.48	5.45	***4.46***	***4.54***	***4.37***	***4.84***	***4.73***	***4.46***	***4.47***	***4.44***	***4.55***	***4.42***	5.09	***4.54***	***4.51***	5.23	***4.90***	5.72	5.01	59.09%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen September 2011

CALENDAR DAY		1-Sep	2-Sep	6-Sep	7-Sep	8-Sep	9-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	26-Sep	28-Sep	29-Sep	30-Sep	Monthly
JULIAN DAY		244	245	249	250	251	252	255	256	257	258	259	262	263	264	265	266	269	271	272	273	% Exceedance
MONTGOMERY	MAX	8.20	8.10	7.30	7.70	7.80	7.40	7.80	8.70	8.70	8.90	9.00	9.40	9.30	9.60	9.70	9.70	9.20	9.20	9.10	9.30	
MP 31.7	MIN	6.30	7.20	6.80	7.00	6.80	6.90	5.70	5.00	8.60	8.60	8.70	8.60	8.80	9.10	9.10	8.90	6.00	7.60	8.90	9.00	
	AVG	7.30	7.60	7.00	7.30	7.30	7.10	6.90	7.40	8.60	8.70	8.80	9.10	9.10	9.40	9.40	9.40	8.10	8.80	9.00	9.10	0.00%
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	8.46	8.57	14.27	8.93	8.54	No	8.69	
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	8.27	8.22	7.02	8.66	8.15	Data	8.21	
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	8.40	8.43	8.47	8.84	8.29	Available	8.57	0.00%
RACINE***	MAX	5.33	5.33	3.77	6.64	6.55	6.17	6.37	6.58	6.82	7.74	7.68	8.31	8.49	8.25	8.13	7.92	6.92	7.89	7.48	7.38	
MP 237.5	MIN	4.96	4.74	3.17	3.35	5.94	5.69	5.92	6.18	6.41	6.58	7.57	7.94	8.02	7.97	7.81	7.67	6.07	7.32	7.24	7.16	
	AVG	5.06	4.99	3.45	5.42	6.20	5.94	6.10	6.36	6.61	7.34	7.63	8.08	8.20	8.11	7.96	7.80	6.44	7.62	7.33	7.25	10.00%
KYGER	MAX	6.38	6.18	5.49	5.91	6.15	6.05	6.03	6.17	6.22	6.31	6.15	6.40	6.36	6.00	6.07	6.08	5.84	5.45	5.31	5.88	
MP 260.0	MIN	5.51	5.51	5.24	5.45	5.73	5.76	5.84	5.92	5.99	6.07	6.19	6.15	5.81	5.46	5.60	5.42	5.20	4.64	4.15	4.89	
	AVG	5.80	5.87	5.36	5.66	5.94	5.91	5.93	6.01	6.12	6.17	6.14	6.30	6.04	5.74	5.85	5.84	5.50	5.12	4.88	5.43	5.00%
GREENUP***	MAX	6.60	6.53	6.46	6.46	5.64	5.38	5.95	6.10	6.12	6.34	6.48	6.38	6.29	6.29	6.29	6.29	6.29	6.98	6.07	5.45	
MP 341.0	MIN	5.69	5.54	5.66	5.38	5.04	4.97	5.14	5.74	5.66	5.66	5.76	6.02	6.00	5.81	5.81	5.81	5.81	6.10	5.47	5.18	
UPSTREAM	AVG	6.05	6.00	6.13	5.94	5.36	5.28	5.73	6.00	5.96	5.96	5.95	6.18	6.13	6.06	6.06	6.06	6.06	6.67	5.78	5.31	0.00%
DOWNSTREAM	MAX	7.18	7.18	7.15	7.15	6.26	*	6.55	6.53	6.84	6.79	6.70	5.64	5.28	5.28	5.28	5.28	5.28	6.74	6.26	8.33	
	MIN	5.76	6.48	6.53	5.88	5.35	*	4.70	6.34	6.31	6.53	5.93	5.28	4.97	3.96	3.96	3.96	3.96	6.12	5.93	5.88	
	AVG	6.90	6.81	6.96	6.76	5.92	*	6.02	6.42	6.49	6.68	6.54	5.44	5.12	4.98	4.98	4.98	4.98	6.51	6.06	6.12	21.00%
MARKLAND***	US-Lock	*	*	*	*	6.10	6.30	6.60	6.80	7.00	6.70	6.80	7.40	7.20	7.40	7.50	7.40	7.40	7.50	6.90	7.40	0.00%
MP 531.5	DS-Lock	5.40	4.90	5.90	5.40	5.40	5.80	*	*	7.00	6.80	6.70	7.00	7.10	7.00	6.70	7.40	7.80	7.80	6.90	7.20	0.00%
D.O. #1	US-Hydro	3.90	4.20	5.60	5.20	5.50	5.60	6.20	6.30	6.20	6.20	6.10	5.60	5.10	4.10	*	*	7.10	7.40	6.60	7.20	16.60%
	DS-Hydro	3.90	4.20	3.10	*	2.20	3.40	4.50	4.90	4.50	5.20	5.90	4.20	*	*	*	4.60	7.10	7.20	6.60	7.00	56.25%
McALPINE***	MAX	No	No	No	No	5.69	5.23	6.13	6.65	7.05	7.55	7.84	9.05	8.78	7.90	7.61	7.37	7.20	6.98	7.02	7.27	
MP 606.8	MIN	Data	Data	Data	Data	5.23	4.88	5.78	6.09	6.55	7.01	7.47	8.52	7.87	7.51	6.93	6.83	6.80	6.87	6.82	6.72	
	AVG	Available	Available	Available	Available	5.44	5.11	5.98	6.35	6.80	7.27	7.66	8.83	8.35	7.66	7.23	7.06	7.05	6.92	6.90	7.02	0.00%
JOHN T. MYERS**	MAX	9.35	10.72	7.56	8.49	9.42	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
MP 846.0	MIN	6.62	7.22	7.02	7.18	8.14	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	7.66	8.41	7.25	7.56	8.87	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	0.00%
SMITHLAND**	MAX	5.61	11.60	6.47	6.44	7.17	7.81	8.56	8.49	7.85	8.55	8.72	8.18	No	No	No	No	No	No	No	No	
MP 919.0	MIN	4.33	4.57	5.82	6.18	5.53	7.19	7.61	7.27	7.22	7.76	7.82	7.82	Data	Data	Data	Data	Data	Data	Data	Data	
	AVG	***4.84***	6.35	6.04	6.33	6.24	7.48	8.14	7.66	7.53	8.12	8.27	8.04	Available	Available	Available	Available	Available	Available	Available	Available	8.30%

*Indicates problem with instrument

***Indicates hydroelectric dam

Appendix E: Daily Dissolved Oxygen Readings

Daily Dissolved Oxygen October 2011

CALENDAR DAY JULIAN DAY		3-Oct 276	4-Oct 277	5-Oct 278	6-Oct 279	7-Oct 280	10-Oct 283	11-Oct 284	12-Oct 285	13-Oct 286	14-Oct 287	17-Oct 290	18-Oct 291	19-Oct 292	20-Oct 293	21-Oct 294	24-Oct 297	25-Oct 298	26-Oct 299	27-Oct 300	28-Oct 301	31-Oct 304	Monthly % Exceedance
MONTGOMERY	MAX	9.40	9.80	9.90	10.10	9.80	10.30	10.32	10.40	10.50	10.60	10.20	10.10	10.10	10.00	9.80	10.40	10.70	10.80	10.90	11.00	11.10	
MP 31.7	MIN	9.10	9.40	9.60	8.40	7.60	10.10	10.20	10.20	10.30	10.30	9.50	9.50	9.20	8.20	8.20	6.80	7.80	7.30	10.70	10.80	10.80	
	AVG	9.30	9.70	9.70	9.70	9.10	10.20	10.20	10.30	10.40	10.40	9.90	9.90	9.80	9.50	9.30	8.80	8.90	9.70	10.80	10.90	11.00	0.00%
HANNIBAL***	MAX	9.32	9.44	10.10	10.04	9.50	9.48	9.41	9.36	9.59	9.20	9.59	10.10	9.72	11.30	10.10	10.53	10.56	10.53	10.49	10.67	11.19	
MP 126.4	MIN	9.03	9.08	9.32	9.41	9.36	9.17	9.17	9.06	8.75	8.19	9.30	9.36	9.44	9.54	9.63	10.23	10.14	10.29	10.25	10.05	10.41	
UPSTREAM	AVG	9.14	9.25	9.67	9.69	9.43	9.31	9.29	9.21	9.19	8.91	9.44	9.58	9.66	10.06	9.87	10.31	10.33	10.40	10.35	10.36	11.01	0.00%
RACINE***	MAX	7.55	7.54	7.92	8.07	8.15	8.84	No	No	9.89	9.78	8.87	8.90	8.90	9.11	9.11	8.69	8.61	8.67	8.60	8.87	8.54	
MP 237.5	MIN	7.23	7.33	7.38	7.80	7.95	8.68	Data	Data	9.62	9.39	8.59	8.65	8.59	8.76	8.22	8.33	8.44	8.45	8.45	8.49	8.13	
	AVG	7.41	7.41	7.64	7.93	8.02	8.74	Available	Available	9.74	9.62	8.73	8.77	8.74	8.90	8.68	8.47	8.50	8.56	8.52	8.69	8.32	0.00%
KYGER	MAX	5.54	5.66	5.89	5.96	6.03	7.58	No	No	No	7.68	7.47	7.46	7.46	6.93	8.11	8.13	8.13	8.18	8.23	8.20	8.39	
MP 260.0	MIN	5.05	4.96	5.04	5.14	5.26	7.15	Data	Data	Data	4.79	7.08	7.05	6.43	5.64	5.64	7.59	7.87	7.90	8.02	7.97	7.87	
	AVG	5.37	5.40	5.45	5.59	5.61	7.37	Available	Available	Available	7.35	7.22	7.27	7.06	6.43	7.28	7.87	8.02	8.04	8.12	8.11	8.12	0.00%
GREENUP***	MAX	6.86	6.79	6.79	6.50	6.26	7.34	7.37	7.37	7.27	7.44	7.44	6.53	6.53	6.07	5.88	7.97	7.78	7.78	No	8.35	8.90	
MP 341.0	MIN	6.79	6.67	6.50	6.29	6.14	6.14	7.32	7.27	7.20	7.18	6.50	6.24	5.93	5.88	5.76	7.58	7.46	7.46	Data	8.23	8.45	
UPSTREAM	AVG	6.84	6.75	6.69	6.39	6.20	6.40	7.34	7.32	7.24	7.26	7.03	6.39	6.27	5.96	5.82	7.84	7.66	7.67	Available	8.31	8.58	0.00%
DOWNSTREAM	MAX	8.30	16.51	16.51	7.90	14.98	8.14	12.55	14.21	11.93	10.51	10.51	9.36	9.36	7.82	7.56	7.75	7.56	7.75	No	8.18	8.04	
	MIN	7.44	7.30	7.15	7.15	7.13	7.13	7.54	7.49	7.34	7.37	7.37	7.32	7.08	6.77	6.67	7.44	7.34	7.34	Data	7.92	7.80	
	AVG	7.57	8.17	7.85	7.25	7.56	7.32	7.84	7.99	7.87	7.73	7.82	7.67	7.55	7.09	6.94	7.61	7.46	7.48	Available	8.05	7.92	0.00%
MARKLAND***	US-Lock	7.50	7.80	8.20	8.40	8.50	8.20	8.10	8.10	8.00	7.90	8.50	8.60	8.60	8.80	8.60	8.50	8.50	8.60	8.80	8.90	9.00	0.00%
MP 531.5	DS-Lock	4.60	6.50	7.30	5.80	5.00	*	0.30	7.90	7.60	7.90	8.50	9.00	8.80	9.10	8.90	8.40	7.80	8.10	8.60	9.20	5.50	0.00%
D.O. #1	US-Hydro	7.30	7.60	7.20	8.00	8.10	8.20	8.10	8.00	7.70	7.70	7.70	8.00	8.20	8.20	8.10	8.00	8.20	8.20	8.20	8.70	8.70	0.00%
	DS-Hydro	6.50	6.50	7.10	8.00	7.80	5.40	6.80	5.80	5.90	7.10	4.20	8.20	8.30	8.30	8.30	8.20	7.90	4.50	8.40	8.60	8.60	9.50%
McALPINE***	MAX	7.45	7.68	7.62	7.79	8.13	8.32	8.20	8.16	8.00	8.01	8.07	8.16	8.45	8.56	8.63	8.61	8.38	8.62	8.76	No	No	
MP 606.8	MIN	7.09	7.41	7.49	7.48	7.77	8.12	8.05	8.01	7.85	7.79	7.88	7.84	8.21	8.45	8.45	8.23	8.17	8.51	8.54	Data	Data	
	AVG	7.27	7.56	7.55	7.61	7.95	8.22	8.11	8.07	7.91	7.88	7.95	7.95	8.38	8.52	8.54	8.47	8.25	8.55	8.67	Available	Available	0.00%

*Indicates problem with instrument

***Indicates hydroelectric dam

2007-2011 Temperature Data

Ohio River Station	Mile Point	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
Montgomery	31.7	32	1	3.1%	0	0.0%	None
Hannibal	126.4	42	2	4.7%	0	0.0%	None
Racine	237.5	50	2	4.0%	0	0.0%	None
Kyger	260.0	49	3	6.1%	8	1.5%	None
Greenup	341.0	49	1	2.0%	0	0.0%	None
Markland	531.5	40	2	5.0%	0	0.0%	None
McAlpine	606.8	8	1	12.5%	0	0.0%	Partial Support
Cannelton	720.7	38	4	10.5%	5	1.2%	Partial Support
Newburgh	776.1	33	6	18.1%	21	5.6%	Partial Support
John T. Myers	846.0	41	7	17.0%	24	4.9%	Partial Support
Smithland	919.0	41	5	12.1%	19	4.0%	Partial Support

2007 Temperature Data

Ohio River Station	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
MONTGOMERY MP 31.7	7	0	0.0%	0	0.0%	None
HANNIBAL MP 126.4	10	0	0.0%	0	0.0%	None
RACINE MP 237.5	10	0	0.0%	0	0.0%	None
KYGER MP 260.0	10	0	0.0%	0	0.0%	None
GREENUP MP 341.0	10	0	0.0%	0	0.0%	None
MARKLAND MP 531.5	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	None
CANNELTON MP 720.7	9	2	22.2%	0	0.0%	None
NEWBURGH MP 776.1	4	3	75.0%	2	4.5%	None
JOHN T. MYERS MP 846.0	8	2	25.0%	5	4.6%	None
SMITHLAND MP 919.0	8	1	12.5%	0	0.0%	None

2008 Temperature Data

Ohio River Station	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
MONTGOMERY MP 31.7	8	0	0.0%	0	0.0%	None
HANNIBAL MP 126.4	10	0	0.0%	0	0.0%	None
RACINE MP 237.5	10	0	0.0%	0	0.0%	None
KYGER MP 260.0	10	0	0.0%	0	0.0%	None
GREENUP MP 341.0	10	0	0.0%	0	0.0%	None
MARKLAND MP 531.5	10	0	0.0%	0	0.0%	None
CANNELTON MP 720.7	10	0	0.0%	0	0.0%	None
NEWBURGH MP 776.1	10	1	10.0%	6	7.4%	None
JOHN T. MYERS MP 846.0	10	1	10.0%	0	0.0%	None
SMITHLAND MP 919.0	9	0	0.0%	0	0.0%	None

2009 Temperature Data

Ohio River Station	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
MONTGOMERY MP 31.7	10	0	0.0%	0	0.0%	None
HANNIBAL MP 126.4	10	0	0.0%	0	0.0%	None
RACINE MP 237.5	10	0	0.0%	0	0.0%	None
KYGER MP 260.0	10	1	10.0%	8	5.7%	None
GREENUP MP 341.0	10	0	0.0%	0	0.0%	None
MARKLAND MP 531.5	10	0	0.0%	0	0.0%	None
CANNELTON MP 720.7	10	0	0.0%	0	0.0%	None
NEWBURGH MP 776.1	10	0	0.0%	0	0.0%	None
JOHN T. MYERS MP 846.0	10	0	0.0%	0	0.0%	None
SMITHLAND MP 919.0	10	0	0.0%	0	0.0%	None

2010 Temperature Data

Ohio River Station	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
MONTGOMERY MP 31.7	1	0	0.0%	0	0.0%	None
HANNIBAL MP 126.4	9	2	22.2%	0	0.0%	None
RACINE MP 237.5	10	1	0.0%	0	0.0%	None
KYGER MP 260.0	10	1	0.0%	0	0.0%	None
GREENUP MP 341.0	9	0	0.0%	0	0.0%	None
MARKLAND MP 531.5	10	1	10.0%	0	0.0%	None
CANNELTON MP 720.7	9	2	22.0%	5	4.5%	None
NEWBURGH MP 776.1	9	2	22.0%	13	11.5%	Partial Support
JOHN T. MYERS MP 846.0	9	2	22.0%	8	7.4%	None
SMITHLAND MP 919.0	9	2	22.0%	6	5.6%	None

2011 Temperature Data

Ohio River Station	# Periods	# Periods Exceeding Period Average	% Periods Exceeding Period Average	# Days Exceeds Max Criteria	% Days Exceed Max Criteria	Impairment Indicated
MONTGOMERY MP 31.7	6	1	16.6%	0	0.0%	None
HANNIBAL MP 126.4	3	0	0.0%	0	0.0%	None
RACINE MP 237.5	10	1	10.0%	0	0.0%	None
KYGER MP 260.0	9	1	11.0%	0	0.0%	None
GREENUP MP 341.0	10	1	10.0%	0	0.0%	None
MARKLAND MP 531.5	10	1	12.5%	0	0.0%	None
MCALPINE MP 606.8	8	1	12.50%	0	0.0%	None
CANNELTON MP 720.7	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	None
NEWBURGH MP 776.1	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	None
JOHN T. MYERS MP 846.0	4	2	50%	11	25.50%	Not Supporting
SMITHLAND MP 919.0	5	2	40%	13	23.20%	Partial Support

Temperature Data May 2007

CALENDAR DAY JULIAN DAY		1-May 121	2-May 122	3-May 123	7-May 127	8-May 128	9-May 129	10-May 130	11-May 131	14-May 134	15-May 135	16-May 136	17-May 137	18-May 138	21-May 141	22-May 142	23-May 143	24-May 144	25-May 145	29-May 149	30-May 150	31-May 151	May 1-15 Period Avg	May 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY MP 31.7	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
HANNIBAL*** MP 126.4 UPSTREAM	MAX MIN AVG	55.99 54.46 55.49	57.74 55.87 57.16	58.57 57.51 58.05	60.31 59.74 60.09	60.55 59.97 60.33	61.48 60.55 61.18	63.12 61.61 62.77	63.95 63.01 63.53	66.16 64.53 65.63	66.29 65.82 66.06	67.46 66.06 67.00	67.93 66.87 67.38	67.69 66.87 67.18	66.16 64.99 65.65	67.23 66.16 66.90	67.80 66.87 67.45	69.21 67.46 68.73	63.12 61.61 62.77	72.72 71.78 72.49	74.35 72.84 73.84	74.95 74.12 74.65	61.03	68.55	0	0.00%
RACINE*** MP 237.5	MAX MIN AVG	61.28 59.85 60.49	61.74 61.23 61.51	62.15 61.44 61.80	No Data Available	65.55 64.80 65.17	65.86 64.96 65.44	66.63 65.33 66.27	66.86 65.94 66.55	68.73 67.83 68.31	69.32 68.42 68.75	69.73 68.65 69.34	69.85 69.42 69.66	70.03 69.12 69.73	10.24 9.78 10.04	69.28 68.73 69.04	70.24 69.10 69.46	70.87 69.83 70.43	66.63 65.33 66.27	73.66 73.41 73.54	74.72 74.01 74.36	75.21 74.41 74.87	64.92	65.16	0	0.00%
KYGER MP 260.0	MAX MIN AVG	58.90 57.60 58.50	60.00 58.40 59.58	59.80 59.60 59.68	No Data Available	62.40 61.70 62.23	72.00 62.20 67.85	63.20 62.50 63.01	65.40 63.20 64.66	67.10 66.00 66.60	67.60 66.20 66.99	68.60 57.10 67.67	68.00 67.80 67.94	68.00 67.20 67.65	67.80 67.10 67.46	68.20 67.20 67.78	68.60 67.70 68.10	69.10 55.70 68.08	63.20 62.50 63.01	72.50 71.40 71.93	72.70 71.50 72.15	73.70 72.40 73.10	63.23	68.62	0	0.00%
GREENUP*** MP 341.0 UPSTREAM	MAX MIN AVG	60.80 59.30 60.44	62.40 60.80 61.97	62.90 62.00 62.65	64.30 63.10 63.83	64.30 63.50 64.05	64.80 63.80 64.45	65.90 64.30 65.37	67.40 65.50 66.47	68.50 67.60 68.03	69.60 67.70 68.84	70.40 68.90 69.81	69.60 68.30 69.05	69.10 68.20 68.61	70.00 67.90 69.10	71.60 68.90 70.04	72.40 69.70 71.05	72.20 70.20 71.32	65.90 64.30 65.37	75.80 73.80 74.85	76.00 74.30 75.21	76.80 74.80 75.72	64.61	70.92	0	0.00%
MARKLAND*** MP 531.5	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
CANNELTON MP 720.7	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	71.35 71.20 71.28	No Data Available	74.84 73.96 74.34	75.31 74.52 74.81	76.64 75.42 75.93	No Data Available	74.09	0	No Data Available
NEWBURGH MP 776.1	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	74.08 73.11 73.46	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	73.46	0	No Data Available
JOHN T. MYERS MP 846.0	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	72.79 72.59 72.71	No Data Available	76.44 75.25 75.85	76.59 76.15 76.33	77.45 76.14 76.62	No Data Available	No Data Available	0	No Data Available
SMITHLAND MP 919.0	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	76.51 74.84 75.85	76.41 75.96 76.16	76.62 76.46 76.55	No Data Available	No Data Available	0	0.00%

Period Average for May 1-15 is 68°F and the Max is 73°F
Period Average for May 16-31 is 75°F and the Max is 80°F

Temperature Data June 2007

CALENDAR DAY JULIAN DAY		1-Jun 152	4-Jun 155	5-Jun 156	6-Jun 157	7-Jun 158	8-Jun 159	11-Jun 162	12-Jun 163	13-Jun 164	14-Jun 165	15-Jun 166	18-Jun 169	19-Jun 170	20-Jun 171	21-Jun 172	22-Jun 173	25-Jun 176	26-Jun 177	27-Jun 178	28-Jun 179	29-Jun 180	June 1-15 Period Avg	June 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	76.33	78.13	78.60	78.98	80.19	77.86	79.72	80.83	79.68	79.70	79.27	77.77	79.11	80.13	80.15	80.20			0	0.00%
MP 31.7	MIN	Data	Data	Data	Data	Data	74.86	76.64	77.36	77.02	77.23	77.16	78.37	79.00	78.98	78.51	78.71	76.93	77.56	78.82	78.82	78.89				
	AVG	Available	Available	Available	Available	Available	75.34	77.69	77.96	77.90	78.45	77.56	78.88	79.88	79.34	79.05	78.92	77.53	78.40	79.41	79.59	79.67	77.48	79.07		
HANNIBAL***	MAX	75.76	77.52	78.10	77.86	77.52	77.63	78.93	79.16	79.39	79.74	80.20	80.67	80.80	81.37	82.54	82.31	81.37	81.84	82.78	82.90	83.14			0	0.00%
MP 126.4	MIN	74.59	76.93	77.05	77.05	76.46	76.69	77.99	78.10	78.33	78.93	79.16	79.86	79.97	80.67	81.27	81.27	81.03	81.03	81.84	82.31	82.31				
UPSTREAM	AVG	75.44	77.17	77.65	77.48	77.01	77.21	78.51	78.71	79.01	79.47	79.79	80.24	80.53	81.10	82.09	81.83	81.24	81.62	82.47	82.62	82.84	77.95	81.66		
RACINE***	MAX	76.02	77.53	77.73	77.24	77.61	77.71	78.43	78.04	No	79.00	79.40	80.10	80.52	80.83	81.30	81.22	80.40	80.71	80.83	81.32	81.52			0	0.00%
MP 237.5	MIN	75.11	77.28	76.88	76.67	76.80	76.90	78.00	77.81	Data	78.18	78.69	79.57	79.81	80.28	80.56	80.67	80.28	80.28	80.46	80.79	81.20				
	AVG	75.55	77.45	77.34	77.02	77.03	77.34	78.13	77.92	Available	78.60	78.97	79.79	80.17	80.55	80.93	80.84	80.37	80.50	80.63	81.04	81.37	77.54	80.47		
KYGER	MAX	73.90	74.40	74.40	74.00	74.40	74.30	75.70	75.20	75.50	76.60	76.10	77.50	77.20	78.10	77.60	79.60	76.80	76.30	77.40	78.40	78.10			0	9.00%
MP 260.0	MIN	58.90	73.70	58.70	73.40	73.20	73.40	72.10	74.40	74.40	75.00	58.10	76.40	56.50	76.70	73.00	73.10	75.50	75.50	76.10	77.30	77.50				
	AVG	72.85	74.13	73.38	73.78	73.85	73.82	74.60	74.73	75.07	75.83	74.61	76.89	75.85	77.68	76.71	76.78	76.21	75.98	76.98	77.69	77.88	74.24	76.66		
GREENUP***	MAX	76.70	76.80	77.00	76.80	76.70	78.00	79.80	78.50	78.80	No	No	No	82.30	82.00	81.10	82.40	No	80.90	81.40	83.40	81.40			0	0.00%
MP 341.0	MIN	75.20	70.00	75.50	75.50	75.50	75.80	77.00	77.90	77.90	Data	Data	Data	79.60	80.00	79.90	80.00	Data	76.60	79.20	79.70	79.90				
UPSTREAM	AVG	75.98	76.05	76.15	76.18	76.17	77.10	78.58	78.21	78.40	Available	Available	Available	80.94	80.79	80.46	81.28	Available	79.09	80.36	81.04	80.61	76.98	80.57		
MARKLAND***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 531.5	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	75.49	77.23	76.60	77.47	77.45	77.81	78.75	79.00	79.18	79.50	81.00	82.09	81.07	80.17	80.65	82.13	80.78	81.63	82.31	82.22	83.07			0	0.00%
MP 720.7	MIN	75.27	76.68	76.35	76.68	77.13	77.74	78.55	78.15	78.49	78.69	79.16	80.55	80.64	79.75	79.95	80.40	80.53	80.92	81.09	81.66	81.73				
	AVG	75.39	76.92	76.46	76.98	77.23	77.78	78.68	78.50	78.81	78.99	79.83	81.28	80.90	79.95	80.20	81.33	80.66	81.23	81.69	81.97	82.41	77.78	81.16		
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
JOHN T. MYERS	MAX	76.59	77.97	77.94	77.94	78.04	78.42	79.18	78.84	79.43	81.18	81.52	83.43	82.94	81.68	82.85	83.30	82.13	82.74	82.72	82.42	83.19			0	0.00%
MP 846.0	MIN	76.15	77.52	77.40	77.29	77.43	78.01	78.26	77.97	78.57	79.36	79.83	81.16	81.32	81.36	80.96	81.77	81.72	81.72	81.36	82.00	82.09				
	AVG	76.40	77.67	77.67	77.57	77.64	78.16	78.64	78.39	78.90	80.14	80.35	82.03	81.81	81.54	81.63	82.22	81.96	82.18	81.76	82.17	82.46	78.32	81.98		
SMITHLAND	MAX	76.50	78.12	No	77.81	78.22	78.31	78.62	78.24	78.98	79.25	80.20	81.59	80.44	81.90	81.82	83.39	81.97	82.26	82.47	83.08	83.55			0	0.00%
MP 919.0	MIN	76.35	77.85	Data	77.34	77.61	77.97	77.86	77.56	77.88	78.30	79.07	80.44	80.20	80.56	81.18	81.79	81.79	81.84	81.91	82.18	82.29				
	AVG	76.41	77.99	Available	77.50	77.89	78.19	78.17	77.90	78.43	78.85	79.65	80.91	80.32	81.14	81.47	82.53	81.86	82.04	82.11	82.42	82.87	78.10	81.77		

Period Average for June 1-15 is 80°F and the Max is 85°F
Period Average for June 16-30 is 83°F and the Max is 87°F

Temperature Data July 2007

CALENDAR DAY JULIAN DAY		2-Jul 183	3-Jul 184	5-Jul 186	6-Jul 187	9-Jul 190	10-Jul 191	11-Jul 192	12-Jul 193	13-Jul 194	16-Jul 197	17-Jul 198	18-Jul 199	19-Jul 200	20-Jul 201	23-Jul 204	24-Jul 205	25-Jul 206	26-Jul 207	31-Jul 212	July 1-31 Period Avg 84°F	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	80.42	79.79	77.85	77.72	79.77	No	81.73	81.70	80.58	81.07	80.69	80.47	80.53	79.86	79.00	78.80	78.73	78.67	80.44		0	0.00%
MP 31.7	MIN	79.50	77.79	77.47	77.04	78.96	Data	81.00	81.01	79.77	79.95	80.33	80.02	79.74	79.56	78.24	78.24	78.10	78.03	78.57			
	AVG	79.85	78.73	77.64	77.25	79.39	Available	81.40	81.36	80.13	80.50	80.51	80.25	80.20	79.68	78.63	78.61	78.46	78.31	79.37	79.46		
HANNIBAL***	MAX	83.37	82.54	81.61	80.91	81.61	83.01	83.48	83.61	83.71	83.48	83.37	83.37	82.78	82.44	82.44	81.50	81.27	81.50	83.37		0	0.00%
MP 126.4	MIN	81.97	81.50	80.91	80.67	80.80	81.14	83.01	82.78	82.78	82.44	82.54	82.54	82.20	81.84	81.27	80.91	80.80	80.91	82.44			
UPSTREAM	AVG	82.72	82.04	81.30	80.82	81.19	82.26	83.28	83.28	83.23	82.86	82.90	82.84	82.47	82.21	81.85	81.18	81.03	81.21	82.90	82.19		
RACINE***	MAX	81.11	81.46	81.42	81.01	82.01	No	No	No	No	No	No	No	No	82.60	81.42	81.20	80.99	81.01	81.91		0	0.00%
MP 237.5	MIN	80.38	80.38	80.81	80.79	81.28	Data	Data	Data	Data	Data	Data	Data	Data	81.68	80.77	80.81	80.56	80.48	81.11			
	AVG	80.89	80.84	81.06	80.88	81.65	Available	Available	Available	Available	Available	Available	Available	Available	82.21	81.11	81.00	80.83	80.78	81.55	81.16		
KYGER	MAX	78.10	78.00	78.10	77.50	78.10	78.10	78.80	78.70	78.40	78.20	77.80	78.50	79.80	78.10	77.50	77.00	76.60	77.20	77.80		0	0.00%
MP 260.0	MIN	76.60	75.80	76.90	75.80	77.20	77.30	78.10	77.50	77.30	77.20	77.20	77.50	77.60	77.40	76.70	76.20	75.70	75.20	76.40			
	AVG	77.61	76.61	77.64	76.67	77.64	77.79	78.35	78.25	77.81	77.60	77.50	78.05	78.14	77.83	77.10	76.67	76.13	76.36	77.29	77.42		
GREENUP***	MAX	79.90	80.80	81.60	81.80	No	84.50	83.90	83.40	82.90	83.20	82.10	81.80	82.30	81.70	81.40	81.00	82.10	81.60	82.60		0	0.00%
MP 341.0	MIN	78.60	79.30	81.00	80.90	Data	81.80	82.80	81.70	82.30	82.00	80.60	80.80	80.80	80.60	80.20	80.20	79.80	79.80	80.20			
UPSTREAM	AVG	79.46	80.34	81.21	81.31	Available	83.09	83.28	82.80	82.67	82.40	81.29	81.31	81.42	81.13	80.70	80.53	80.59	80.67	81.39	81.42		
MARKLAND***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 531.5	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	82.36	82.63	82.29	No	No	No	No	83.50	83.61	84.27	84.97	84.85	84.74	84.40	83.86	84.33	83.80	84.06	83.14		0	0.00%
MP 720.7	MIN	82.04	81.77	82.04	Data	Data	Data	Data	83.10	83.32	83.73	83.88	84.06	84.34	83.93	82.98	82.80	82.98	83.21	82.58			
	AVG	82.25	82.19	82.14	Available	Available	Available	Available	83.27	83.47	83.99	84.39	84.48	84.51	84.24	83.36	83.17	83.17	83.70	82.70	83.40		
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
JOHN T. MYERS	MAX	82.49	82.42	82.81	82.47	85.71	85.50	85.51	85.05	84.87	84.87	88.00	86.00	86.32	85.64	84.65	84.34	84.16	84.56	84.36		0	0.00%
MP 846.0	MIN	81.79	81.79	82.15	81.91	83.66	84.70	84.79	84.58	84.06	84.29	84.76	84.67	84.70	84.90	83.44	83.46	83.32	83.57	83.61			
	AVG	82.14	82.06	82.49	82.18	84.14	84.95	85.13	84.90	84.50	84.56	85.60	85.11	85.24	85.19	83.94	83.87	83.69	83.97	83.93	***84.09***		
SMITHLAND	MAX	82.02	82.51	82.65	81.90	81.54	82.56	82.96	83.80	83.98	85.01	84.79	85.71	85.19	85.39	84.09	84.51	84.04	84.09	84.29		0	0.00%
MP 919.0	MIN	81.50	81.72	82.15	81.79	80.80	81.52	82.67	83.12	83.48	84.15	84.31	84.61	84.74	84.47	83.44	83.17	82.90	83.17	83.46			
	AVG	81.74	82.11	82.40	81.82	81.13	82.04	82.78	83.41	83.65	84.52	84.54	85.03	84.93	84.92	83.78	83.73	83.40	83.57	83.87	83.33		

Period Average for July 1-31 is 84°F and Max is 89°F

Temperature Data August 2007

CALENDAR DAY JULIAN DAY		1-Aug 213	2-Aug 214	3-Aug 215	6-Aug 218	7-Aug 219	8-Aug 220	9-Aug 221	10-Aug 222	13-Aug 225	14-Aug 226	15-Aug 227	16-Aug 228	21-Aug 229	20-Aug 232	21-Aug 233	22-Aug 234	23-Aug 235	24-Aug 236	27-Aug 239	28-Aug 240	29-Aug 241	30-Aug 242	31-Aug 243	Aug 1-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	80.02	81.37	No	82.92	82.22	81.72	81.54	81.43	80.49	80.74	80.22	80.17	No	No	78.40	75.54	74.88	74.88	77.13	76.93	77.05	76.42	76.30		0	0.00%
MP 31.7	MIN	78.48	79.50	Data	82.02	81.12	80.98	80.24	80.83	79.95	79.86	79.81	79.75	Data	Data	74.32	74.68	74.12	74.39	75.83	76.03	75.58	75.78	75.81			
	AVG	78.94	80.21	Available	82.42	81.41	81.37	81.01	81.19	80.13	80.17	80.03	79.90	Available	Available	77.22	75.16	74.48	74.68	76.42	76.30	75.95	75.95	76.04	78.45		
HANNIBAL***	MAX	83.14	83.37	84.07	84.78	86.05	86.05	86.18	87.22	86.18	84.88	84.54	84.18	84.07	83.61	83.61	83.37	81.37	77.99	79.50	79.63	79.63	80.33	80.91		0	0.00%
MP 126.4	MIN	82.31	82.31	83.25	84.07	83.95	85.48	85.48	85.59	84.65	84.07	83.61	83.61	83.25	83.01	82.20	79.74	78.10	76.35	78.69	78.57	79.03	79.63	80.20			
UPSTREAM	AVG	82.69	82.98	83.74	84.33	85.33	85.75	85.72	86.71	85.67	84.50	84.07	83.89	83.72	83.33	82.89	81.75	79.61	76.98	79.12	79.25	79.48	80.13	80.57	82.70		
RACINE***	MAX	82.19	82.32	82.42	83.13	83.90	84.49	84.60	85.61	86.19	86.21	86.00	85.66	85.61	84.84	85.21	84.52	83.39	83.50	82.52	81.32	80.42	80.91	80.91		0	0.00%
MP 237.5	MIN	81.68	81.99	82.07	82.89	82.91	83.58	83.70	84.47	85.80	85.78	85.49	85.41	85.17	84.58	84.27	83.54	82.48	82.50	80.89	80.20	80.07	80.05	80.48			
	AVG	81.95	82.12	82.23	83.03	83.58	83.77	84.16	85.18	85.99	85.98	85.83	85.55	85.37	84.73	84.77	84.16	82.90	83.07	81.92	80.86	80.27	80.49	80.73	83.42		
KYGER	MAX	78.70	78.40	79.20	79.20	80.20	80.20	81.20	82.10	81.20	81.20	80.50	80.60	80.90	80.00	80.00	80.60	80.80	78.80	78.50	77.60	77.20	77.20	76.80		0	0.00%
MP 260.0	MIN	77.20	77.40	77.90	78.60	78.60	78.60	79.20	79.90	80.00	79.70	79.70	79.60	80.00	78.80	78.80	78.50	78.20	77.90	77.30	76.60	76.10	76.20	76.00			
	AVG	77.85	77.99	78.67	78.78	79.36	79.59	80.30	81.04	80.78	80.61	80.11	80.30	80.41	79.46	79.35	79.44	79.28	78.38	78.08	77.17	76.74	76.75	76.45	78.99		
GREENUP***	MAX	82.30	89.20	84.60	83.80	85.00	85.80	85.80	86.40	86.50	86.40	85.80	85.70	85.40	84.10	84.60	84.50	85.60	86.30	83.90	84.20	84.50	84.70	61.40		0	0.00%
MP 341.0	MIN	80.40	81.10	82.40	83.40	83.40	84.00	84.20	84.40	84.60	84.80	84.20	84.10	84.20	83.00	83.20	83.50	83.60	84.50	79.10	82.80	79.00	82.90	59.00			
UPSTREAM	AVG	81.38	83.55	83.36	83.60	84.02	84.95	84.98	85.53	85.48	85.61	84.93	84.88	84.75	83.56	83.75	83.88	84.87	85.07	83.13	83.57	83.05	83.74	59.28	83.08		
MARKLAND***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 531.5	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	83.14	84.67	No	85.62	86.52	86.63	87.12	87.15	88.09	88.09	88.32	88.30	No	No	86.54	86.58	86.38	86.27	85.68	86.09	85.82	85.59	85.30		0	0.00%
MP 720.7	MIN	82.58	82.92	Data	84.65	85.19	85.15	86.05	85.80	87.19	87.21	87.01	87.28	Data	Data	86.22	86.00	85.71	85.82	85.26	85.14	85.48	85.14	84.74			
	AVG	82.70	83.51	Available	85.14	85.81	85.60	86.48	86.43	87.58	87.52	87.54	87.66	Available	Available	86.40	86.33	86.03	86.09	85.45	85.43	85.66	85.42	84.95	***85.89***		
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	86.67	No	0	0.00%
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	85.71	Data		
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	86.23	Available		
JOHN T. MYERS	MAX	84.36	86.00	No	86.99	87.12	87.57	88.38	89.47	89.22	89.13	89.78	91.38	No	No	86.70	86.67	86.36	86.36	86.20	86.11	86.23	85.98	85.77		**5**	25.00%
MP 846.0	MIN	83.61	84.49	Data	85.73	86.20	86.61	87.40	87.69	88.52	88.03	88.12	87.89	Data	Data	86.18	85.75	85.73	86.22	85.73	85.44	85.64	85.68	84.90			
	AVG	83.86	85.00	Available	86.00	86.51	86.94	87.73	88.17	88.70	88.47	88.68	88.59	Available	Available	86.48	86.17	86.02	86.30	85.97	85.72	85.90	85.81	85.38	***86.62***		
SMITHLAND	MAX	84.29	84.94	No	85.51	86.47	86.27	86.52	86.99	88.38	87.94	88.39	88.47	No	No	86.88	86.88	86.58	86.20	85.37	85.60	85.33	85.51	85.80		0	0.00%
MP 919.0	MIN	83.46	83.55	Data	84.83	84.99	84.96	86.04	86.14	87.46	87.39	87.58	87.91	Data	Data	86.61	86.45	86.18	85.73	84.56	84.96	84.79	84.99	84.76			
	AVG	83.87	84.15	Available	85.18	85.81	85.74	86.25	86.51	87.79	87.63	87.94	88.20	Available	Available	86.76	86.62	86.41	86.01	85.04	85.28	85.13	85.29	85.31	***86.05***		

Period Average for August 1-31 is 84°F and the Max is 89°F

Temperature Data September 2007

CALENDAR DAY JULIAN DAY		4-Sep 247	5-Sep 248	6-Sep 249	7-Sep 250	10-Sep 253	11-Sep 254	12-Sep 255	13-Sep 256	14-Sep 257	17-Sep 260	18-Sep 261	19-Sep 262	20-Sep 263	21-Sep 264	24-Sep 267	25-Sep 268	26-Sep 269	27-Sep 270	28-Sep 271	Sept 1-15 Period Avg	Sept 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	77.34	77.63	78.01	78.93	79.09	79.38	78.40	77.61	77.22	74.66	73.78	73.35	72.72	73.04	74.23	74.25	74.88	75.52	No			0	0.00%
MP 31.7	MIN	76.10	76.66	77.43	77.63	78.64	78.78	77.58	77.18	76.46	73.69	73.17	72.57	72.41	72.28	73.65	73.42	74.14	74.52	Data				
	AVG	76.85	77.09	77.71	78.31	78.88	78.99	78.09	77.35	76.79	74.19	73.51	72.86	72.56	72.67	73.89	73.88	74.40	74.92	Available	77.78	73.65		
HANNIBAL***	MAX	80.67	80.80	80.91	81.03	81.50	81.84	82.08	81.84	81.50	78.33	77.63	77.76	77.40	77.29	77.29	77.16	77.29	77.52	77.76			0	0.00%
MP 126.4	MIN	79.86	79.86	80.10	80.20	81.14	81.27	81.27	81.14	80.44	76.69	76.69	76.35	76.69	76.69	76.12	76.12	76.46	76.82	77.05				
UPSTREAM	AVG	80.28	80.35	80.57	80.76	81.35	81.68	81.72	81.55	81.03	77.70	77.24	77.32	77.10	76.93	76.75	76.65	76.98	77.15	77.29	81.03	77.11		
RACINE***	MAX	81.11	81.11	81.30	81.50	81.70	81.58	81.52	81.11	80.69	78.61	77.90	77.51	77.22	77.47	77.51	78.02	78.51	78.18	78.10			0	0.00%
MP 237.5	MIN	80.67	80.95	80.97	81.17	81.48	81.38	80.58	79.97	79.97	77.59	77.43	77.18	76.98	76.82	77.10	77.41	77.88	78.00	77.59				
	AVG	80.88	81.00	81.16	81.36	81.58	81.47	81.19	80.55	80.25	78.30	77.68	77.40	77.15	77.12	77.31	77.70	78.22	78.05	77.88	81.05	77.68		
KYGER	MAX	77.40	77.40	77.40	77.90	78.00	77.90	77.40	77.00	76.60	74.80	74.00	74.30	74.50	75.00	76.30	75.70	75.80	76.40	75.70			0	0.00%
MP 260.0	MIN	76.10	76.10	76.70	76.80	77.40	77.30	76.30	76.20	75.70	73.40	73.30	73.20	73.30	73.70	74.60	74.30	74.20	75.60	74.00				
	AVG	76.71	76.87	77.04	77.42	77.74	77.55	77.05	76.63	76.25	74.23	73.68	73.75	73.96	74.31	75.57	75.03	75.30	75.93	75.26	77.03	74.70		
GREENUP***	MAX	82.60	82.70	83.30	79.40	81.50	81.50	79.70	81.50	81.00	78.50	78.60	79.40	78.60	79.30	79.00	80.50	79.90	79.80	78.10			0	0.00%
MP 341.0	MIN	80.60	81.20	76.40	76.20	81.00	81.10	58.80	79.70	79.40	77.30	76.80	76.90	76.90	77.40	77.60	77.90	78.20	78.10	77.90				
UPSTREAM	AVG	81.86	82.01	80.12	76.98	81.17	81.35	59.69	80.50	80.13	77.81	77.64	77.86	77.87	78.25	78.45	79.14	78.99	78.88	78.00	78.20	78.29		
MARKLAND***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 531.5	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	85.06	85.10	84.58	83.88	83.75	83.88	82.69	82.44	82.33	80.65	80.24	80.46	80.10	81.37	81.64	80.85	80.13	79.74	79.34			0	0.00%
MP 720.7	MIN	83.89	83.97	84.09	83.53	82.99	83.01	82.42	82.04	81.91	79.59	79.27	79.61	79.65	79.48	79.52	79.95	79.90	79.29	78.93				
	AVG	84.31	84.48	84.27	83.76	83.25	83.32	82.55	82.20	82.05	79.91	79.68	79.95	79.82	80.29	80.21	80.25	79.99	79.50	79.10	83.35	79.87		
NEWBURGH	MAX	86.72	86.45	87.15	85.12	84.85	86.83	83.73	82.90	83.50	80.74	80.40	81.09	82.36	82.63	81.86	83.26	82.35	82.11	80.71			**1**	5.00%
MP 776.1	MIN	84.78	85.44	86.11	84.78	83.12	84.20	81.93	81.32	81.66	78.73	79.16	79.11	79.48	80.96	80.64	82.15	81.70	80.67	80.22				
	AVG	85.71	85.85	86.60	85.00	84.07	85.18	82.78	81.95	82.35	79.39	79.69	80.06	80.33	81.81	81.14	82.71	82.04	81.52	80.43	***84.39***	80.91		
JOHN T. MYERS	MAX	84.54	85.42	84.06	83.25	82.58	85.42	82.24	82.20	81.63	78.48	79.02	79.23	79.16	79.20	79.79	79.66	79.14	79.05	79.09			0	0.00%
MP 846.0	MIN	83.89	83.89	83.61	82.90	82.17	82.54	81.55	80.89	80.53	77.81	77.86	78.01	78.08	78.21	79.05	79.05	78.94	78.71	78.69				
	AVG	84.21	84.32	83.85	83.10	82.42	83.55	81.90	81.35	81.00	78.10	78.29	78.36	78.49	78.57	79.36	79.31	79.05	78.89	78.97	82.85	78.74		
SMITHLAND	MAX	84.04	84.11	83.28	82.63	81.52	81.64	81.25	81.36	80.46	78.57	78.03	77.95	78.22	78.28	78.10	78.33	78.62	77.85	77.83			0	0.00%
MP 919.0	MIN	83.52	83.41	82.89	82.17	81.27	81.16	80.53	80.47	80.13	77.76	77.45	77.58	77.59	77.56	77.79	77.90	77.90	77.45	77.41				
	AVG	83.81	83.67	83.07	82.37	81.41	81.41	80.93	80.82	80.28	78.01	77.72	77.78	77.88	77.83	77.94	78.13	78.20	77.63	77.58	81.97	77.87		

Period Average for September 1-15 is 84°F and the Max is 87°F
Perios Average for September 16-30 is 82°F and the Max is 86°F

Temperature Data October 2007

CALENDAR DAY JULIAN DAY		1-Oct 274	2-Oct 275	3-Oct 276	4-Oct 277	5-Oct 278	8-Oct 281	9-Oct 282	10-Oct 283	11-Oct 284	12-Oct 285	15-Oct 288	16-Oct 289	17-Oct 290	18-Oct 291	19-Oct 292	22-Oct 295	23-Oct 296	24-Oct 297	25-Oct 298	26-Oct 299	29-Oct 302	30-Oct 303	31-Oct 304	Oct 1-15 Period Avg	Oct 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	73.24	73.06	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		No	0	0.00%
MP 31.7	MIN	72.72	72.45	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		Data		
	AVG	72.96	72.72	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	72.84	Available		
HANNIBAL***	MAX	77.16	76.69	76.93	76.69	76.93	77.63	77.76	77.76	77.52	76.46	73.31	73.08	72.48	72.14	72.61	71.31	70.74	70.14	70.14	69.67	67.23	66.29	65.46				0	0.00%
MP 126.4	MIN	76.12	76.12	75.88	75.88	75.88	77.05	77.29	77.16	76.46	74.71	72.61	72.25	71.91	71.91	71.91	70.50	70.14	69.80	69.57	68.16	65.93	65.23	63.36					
UPSTREAM	AVG	76.68	76.40	76.36	76.26	76.54	77.44	77.58	77.45	77.08	75.76	73.03	72.69	72.19	72.00	72.34	70.95	70.47	70.03	69.85	69.18	66.63	65.79	64.58		76.42	69.73		
RACINE***	MAX	76.49	76.51	76.41	76.41	76.59	77.18	76.98	76.90	76.80	70.91	71.42	72.52	72.11	71.93	71.93	71.42	71.13	70.93	69.93	68.81	67.73	67.20	66.53				0	0.00%
MP 237.5	MIN	76.08	76.06	75.90	75.80	75.90	76.39	76.51	76.20	70.12	68.91	68.34	68.91	71.60	71.60	71.60	70.83	70.83	70.01	68.49	68.49	66.53	66.04	65.72					
	AVG	76.26	76.23	76.13	76.04	76.28	76.78	76.76	76.63	73.87	70.15	69.86	71.60	71.86	71.71	71.74	71.20	70.98	70.61	69.14	68.62	67.19	66.79	66.00		75.00	69.79		
KYGER	MAX	73.40	No	73.20	73.70	73.40	74.90	74.90	75.20	73.60	69.00	69.40	69.50	69.10	69.70	70.20	68.90	68.20	68.20	67.70	66.60	65.30	64.70	64.70				0	0.00%
MP 260.0	MIN	72.20	Data	72.10	72.40	72.40	73.30	73.30	72.80	68.50	66.40	68.40	68.40	68.80	68.90	69.50	67.40	67.40	67.70	66.50	64.80	63.20	63.00	62.80					
	AVG	72.83	Available	72.73	73.10	73.07	74.08	74.19	74.18	71.50	67.92	68.86	68.98	69.02	69.52	69.85	68.27	67.93	67.90	67.36	65.95	64.40	63.96	63.71		72.25	67.24		
GREENUP***	MAX	78.10	77.60	77.80	77.50	77.20	78.80	79.70	78.40	76.70	75.60	73.30	73.80	72.70	73.30	72.40	71.50	70.80	70.90	70.00	69.60	77.80	67.00	66.70				0	0.00%
MP 341.0	MIN	76.40	76.70	76.20	76.20	76.20	77.20	77.40	76.70	75.10	74.20	72.10	72.10	71.90	72.40	71.80	70.10	69.70	70.20	68.60	68.20	65.60	65.40	64.40					
UPSTREAM	AVG	77.14	77.12	76.90	77.00	76.79	77.85	78.20	77.67	76.15	75.16	72.69	73.10	72.30	72.70	72.15	70.88	70.33	70.52	69.34	68.90	67.31	66.22	65.45		76.61	69.93		
MARKLAND***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 531.5	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	78.08	77.58	77.40	76.86	77.56	79.81	77.70	77.45	No	76.89	No	74.68	74.25	No	74.03	72.50	71.74	70.52	68.81	No	63.68	63.28	No				0	0.00%
MP 720.7	MIN	77.74	77.38	77.11	76.60	76.77	77.45	77.40	77.14	Data	75.47	Data	74.43	74.05	Data	73.11	71.80	71.51	69.46	67.55	Data	63.07	62.78	Data					
	AVG	77.96	77.47	77.24	76.71	77.13	78.28	77.57	77.29	Available	75.88	Available	74.61	74.15	Available	73.35	72.03	71.66	70.01	68.37	Available	63.41	62.98	Available	***77.28***		70.06		
NEWBURGH	MAX	80.31	79.41	79.56	78.49	79.65	80.98	82.18	79.18	77.59	75.96	74.62	75.33	75.13	75.24	75.09	72.84	72.14	70.05	No	69.24	No	63.88	64.29				**1**	5.00%
MP 776.1	MIN	78.87	78.85	78.24	78.04	78.87	79.20	79.75	77.86	76.68	75.49	74.16	74.77	74.14	74.03	74.08	71.87	71.22	69.06	Data	67.32	Data	63.19	63.57					
	AVG	79.51	79.09	78.94	78.24	79.17	79.77	80.68	78.53	77.15	75.75	74.35	75.18	74.67	74.81	74.53	72.49	71.88	69.56	Available	67.87	Available	63.51	63.78	***78.29***		70.83		
JOHN T. MYERS	MAX	78.33	77.76	77.45	77.94	77.45	79.02	79.07	77.99	77.07	75.63	73.74	72.93	72.75	72.50	73.08	70.90	69.76	68.63	67.21	66.63	64.76	63.90	62.82				0	0.00%
MP 846.0	MIN	77.34	77.05	76.77	76.78	76.77	77.86	77.85	77.45	76.17	75.13	72.81	72.70	72.48	72.16	72.34	70.14	69.39	68.02	66.94	66.54	64.24	63.27	62.26					
	AVG	77.85	77.39	77.11	77.13	77.07	78.28	78.30	77.78	76.57	75.41	73.17	72.81	72.59	72.36	72.64	70.49	69.61	68.24	67.08	66.58	64.57	63.57	62.52		76.92	68.59		
SMITHLAND	MAX	77.07	76.73	76.46	76.53	76.53	77.41	79.39	77.27	76.05	74.86	73.49	73.26	73.26	73.35	73.49	70.23	69.64	67.93	66.47	64.69	64.13	63.66	63.16				0	0.00%
MP 919.0	MIN	76.57	76.48	76.06	76.05	76.15	76.87	76.93	76.42	74.93	74.19	73.26	73.13	72.99	73.26	73.13	69.84	69.06	67.51	64.62	64.40	63.52	63.10	62.67					
	AVG	76.82	76.63	76.28	76.16	76.29	77.12	77.56	76.82	75.49	74.53	73.36	73.19	73.10	73.30	73.31	70.00	69.38	67.75	65.56	64.59	63.87	63.47	62.95		76.10	68.37		

Period Average for October 1-15 is 77°F and the Max is 82°F
Period Average for October 16-31 is 72°F and the Max is 77°F

Temperature Data May 2008

CALENDAR DAY JULIAN DAY		1-May 122	2-May 123	5-May 126	6-May 127	7-May 128	8-May 129	9-May 130	11-May 134	14-May 134	15-May 135	16-May 136	17-May 137	19-May 140	20-May 141	21-May 142	22-May 143	24-May 144	29-May 150	30-May 151	May 1-15 Period Avg	May 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY MP 31.7	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
HANNIBAL*** MP 126.4 UPSTREAM	MAX MIN AVG	60.67 60.31 60.56	61.72 60.55 61.33	62.08 61.25 61.63	61.72 61.38 61.54	61.84 61.38 61.65	62.19 61.72 61.87	62.78 61.84 62.51	63.95 63.01 63.53	60.08 58.91 59.50	59.50 58.91 59.26	59.04 58.10 58.42	58.21 57.97 58.07	57.16 56.34 56.88	56.34 55.29 55.79	55.63 55.29 55.47	55.53 55.29 55.40	56.10 55.29 55.84	60.67 59.14 60.07	61.02 59.97 60.60	61.34	57.39	0	0.00%
RACINE*** MP 237.5	MAX MIN AVG	63.31 62.82 63.14	63.43 62.82 63.15	64.53 63.90 64.32	65.41 64.51 65.08	65.84 65.31 65.64	66.45 65.72 66.20	66.45 66.12 66.29	66.86 65.94 66.55	64.72 62.82 63.91	No Data Available	62.23 61.70 61.97	62.11 61.64 61.91	65.43 63.13 64.80	63.03 60.52 61.33	60.83 59.91 60.49	60.07 59.03 59.71	59.95 59.03 59.60	64.62 63.33 64.10	65.12 64.11 64.67	64.92	62.06	0	0.00%
KYGER MP 260.0	MAX MIN AVG	63.56 61.58 63.06	63.84 62.58 63.34	65.25 64.05 64.67	66.10 63.98 65.54	66.98 64.17 66.13	67.57 65.15 66.98	67.16 66.51 66.85	65.40 63.20 64.66	65.94 64.43 65.35	No Data Available	66.22 63.07 63.53	65.65 63.25 64.90	65.02 63.37 64.36	63.45 60.38 61.40	62.05 60.44 60.82	62.46 60.58 61.59	62.66 60.73 61.63	65.78 64.53 65.08	66.86 64.27 65.88	65.17	63.24	0	0.00%
GREENUP*** MP 341.0 UPSTREAM	MAX MIN AVG	64.30 62.00 63.19	65.60 64.10 65.18	65.20 63.70 64.33	65.00 63.50 64.66	65.40 64.20 65.03	66.50 65.30 66.15	66.80 66.40 66.70	67.40 65.50 66.47	65.30 64.20 64.80	64.40 63.70 64.12	63.60 62.00 62.92	62.60 60.80 61.48	61.30 60.70 61.05	61.20 60.70 61.04	61.70 61.00 61.46	61.70 60.50 61.28	61.00 60.00 60.67	64.90 63.70 64.55	66.10 64.40 65.40	65.06	62.21	0	0.00%
MARKLAND*** MP 531.5	MAX MIN AVG	62.90 62.50 62.70	63.00 62.60 62.86	64.00 63.00 63.61	64.20 63.60 64.05	65.30 64.00 64.93	66.20 65.30 65.84	68.90 65.90 66.26	69.10 67.40 68.38	64.70 64.10 64.39	64.80 64.00 64.55	64.80 64.10 64.58	64.10 62.80 63.58	67.60 61.10 63.79	* * *	61.90 61.10 61.51	61.90 61.10 61.55	62.90 61.20 62.50	64.10 63.50 63.78	64.70 63.70 64.30	64.76	63.20	0	0.00%
CANNELTON MP 720.7	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	64.40 64.00 64.23	64.08 63.88 63.99	63.39 63.16 63.32	62.28 61.57 61.94	61.23 60.96 61.07	61.03 60.53 60.82	60.87 60.66 60.77	61.27 61.14 61.23	64.53 63.93 64.24	65.17 64.94 65.08	64.23	62.50	0	0.00%
NEWBURGH MP 776.1	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	64.54 63.88 64.31	63.73 63.39 63.59	63.32 63.03 63.23	63.03 62.11 62.57	61.79 61.07 61.53	61.05 60.53 60.79	61.07 60.60 60.90	60.60 60.44 60.48	64.96 64.04 64.59	65.98 65.57 65.77	63.23	62.61	0	0.00%
JOHN T. MYERS MP 846.0	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	64.94 64.78 64.86	64.15 63.64 63.94	64.38 63.86 64.19	63.61 62.98 63.36	62.83 62.35 62.63	62.33 61.97 62.19	61.97 61.79 61.89	65.12 65.05 65.10	66.25 66.11 66.19	No Data Available	63.82	0	0.00%
SMITHLAND MP 919.0	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	63.23 62.91 63.05	63.30 62.98 63.17	63.84 63.57 63.74	64.13 63.70 64.00	64.11 63.30 63.75	63.73 63.14 63.44	63.28 62.98 63.10	67.03 66.90 66.97	67.86 67.46 67.66	No Data Available	64.32	0	0.00%

Period Average for May 1-15 is 68°F and the Max is 73°F
Period Average for May 16-31 is 75°F and the Max is 80°F

Temperature Data June 2008

CALENDAR DAY JULIAN DAY		2-Jun 154	3-Jun 155	4-Jun 156	5-Jun 157	6-Jun 158	9-Jun 161	10-Jun 162	11-Jun 163	12-Jun 164	13-Jun 165	16-Jun 168	17-Jun 169	18-Jun 170	19-Jun 171	20-Jun 172	23-Jun 175	24-Jun 176	25-Jun 177	26-Jun 178	27-Jun 179	June 1-15 Period Avg	June 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	66.49	67.23	66.76	67.17	67.48	70.29	71.98	72.84	75.25	75.81	77.04	77.61	76.93	75.16	74.25	74.44	74.53	74.97	75.47	76.06			0	
MP 31.7	MIN	65.95	66.63	66.15	66.52	67.03	69.69	70.90	72.45	74.10	75.04	76.32	76.75	75.33	74.57	73.90	73.56	73.78	74.19	74.53	75.07				
	AVG	66.12	66.98	66.44	66.85	67.29	69.99	71.69	72.63	74.46	75.44	76.80	77.26	76.15	74.95	74.03	73.99	73.94	74.65	74.86	75.55	69.79	75.22		
HANNIBAL***	MAX	65.12	65.93	66.76	67.33	68.63	71.67	72.37	72.84	74.01	74.59	77.40	77.16	76.93	77.63	76.46	77.76	77.76	77.29	77.52	77.86			0	0.00%
MP 126.4	MIN	63.48	64.76	65.82	65.46	65.70	70.38	71.44	72.14	72.14	73.54	76.12	76.46	76.46	76.23	75.99	77.05	76.93	76.82	76.82	76.82				
UPSTREAM	AVG	64.35	65.56	66.53	66.50	67.75	71.35	72.10	72.40	73.36	74.22	77.08	76.90	76.68	76.92	76.28	77.36	77.38	77.12	77.16	77.42	69.41	77.03		
RACINE***	MAX	68.02	68.95	69.24	69.42	70.40	73.41	74.47	75.33	76.10	76.90	79.00	78.91	78.61	78.30	77.92	77.51	77.41	78.00	78.61	79.20			0	0.00%
MP 237.5	MIN	67.02	67.87	68.63	68.20	67.20	71.24	73.31	74.56	75.39	75.78	77.67	78.30	77.77	77.18	77.16	76.98	76.98	77.08	77.57	78.20				
	AVG	67.59	68.64	68.98	68.69	68.43	72.50	73.85	75.11	75.87	76.49	78.34	78.65	78.20	77.76	77.45	77.23	77.22	77.58	78.17	78.68	71.62	77.93		
KYGER	MAX	70.22	70.46	70.36	69.24	70.24	75.23	77.18	75.72	77.53	77.63	78.81	79.24	78.61	78.34	78.43	78.02	77.61	78.43	79.22	80.01			0	0.00%
MP 260.0	MIN	67.89	68.67	68.73	67.94	67.81	73.86	74.68	74.05	75.35	75.35	76.39	76.78	76.08	75.51	76.08	76.51	76.47	76.31	76.75	77.43				
	AVG	69.16	69.73	69.32	68.55	69.39	74.72	76.45	75.23	76.66	76.85	78.06	78.14	77.73	77.16	77.23	77.28	77.01	77.47	78.28	78.86	72.61	77.72		
GREENUP***	MAX	68.60	69.40	69.10	69.20	69.40	70.70	72.50	73.90	74.20	76.40	78.80	78.10	78.40	77.60	77.50	79.40	78.50	79.80	79.80	80.20			0	0.00%
MP 341.0	MIN	67.80	68.30	68.40	68.20	68.30	69.50	70.80	72.50	72.70	73.60	76.30	77.20	76.70	76.70	76.70	77.00	77.30	77.40	78.20	78.40				
UPSTREAM	AVG	68.35	69.08	68.72	68.69	68.98	70.38	72.12	72.91	73.45	75.18	77.47	77.53	77.39	77.05	77.10	77.77	77.69	78.17	78.73	79.05	70.78	77.79		
MARKLAND***	MAX	68.50	69.50	70.10	70.20	70.90	No	72.50	73.00	73.40	74.80	76.60	76.60	76.40	76.60	78.10	76.70	76.90	78.00	78.60	78.80			0	0.00%
MP 531.5	MIN	67.20	68.30	69.50	69.70	70.00	Data	71.40	72.20	72.60	73.20	74.90	75.70	75.70	76.00	76.30	76.30	76.40	76.70	77.80	77.80				
	AVG	67.98	68.93	69.84	69.90	70.53	Available	72.10	72.70	73.16	73.85	75.85	76.10	76.03	76.33	76.95	76.50	76.77	77.53	78.16	78.40	71.00	76.86		
CANNELTON	MAX	68.85	68.76	69.55	71.06	No	No	No	No	73.17	73.90	75.92	76.55	76.48	76.86	77.31	77.88	78.19	80.47	79.81	No			0	0.00%
MP 720.7	MIN	67.73	68.65	69.15	70.56	Data	Data	Data	Data	72.88	73.53	75.52	76.08	76.21	76.60	76.89	76.82	77.11	77.59	77.74	Data				
	AVG	68.07	68.68	69.40	70.79	Available	Available	Available	Available	72.95	73.68	75.62	76.28	76.38	76.69	77.06	77.12	77.69	78.29	78.34	Available	70.60	77.05		
NEWBURGH	MAX	69.67	70.90	70.70	71.02	72.21	72.14	72.59	72.43	73.27	74.68	77.38	No	76.60	76.95	77.95	79.09	79.21	82.38	81.52	81.21			0	0.00%
MP 776.1	MIN	68.81	69.46	69.91	70.68	71.56	71.62	72.10	72.00	72.97	73.76	76.03	Data	75.97	76.51	77.05	77.47	77.43	78.75	79.38	79.57				
	AVG	69.12	70.10	70.27	70.89	71.99	71.88	72.41	72.25	73.10	74.24	76.26	Available	76.29	76.68	77.41	78.21	78.17	80.18	80.46	80.30	71.62	78.22		
JOHN T. MYERS	MAX	70.18	70.95	72.01	72.75	73.29	74.12	73.80	73.80	73.81	75.02	76.37	77.18	76.73	77.22	77.32	77.77	78.84	80.04	79.93	79.50			0	0.00%
MP 846.0	MIN	69.80	70.74	71.73	72.50	72.95	73.47	73.08	73.49	73.58	74.75	76.08	76.98	76.44	76.86	76.95	77.45	77.79	78.08	78.67	78.78				
	AVG	69.97	70.89	71.87	72.64	73.09	73.87	73.41	73.67	73.68	74.91	76.17	77.14	76.59	77.12	77.11	77.57	78.17	78.89	78.99	79.06	72.80	77.68		
SMITHLAND	MAX	70.75	71.62	72.91	73.94	74.82	75.60	75.43	75.24	75.54	76.41	79.14	79.97	79.77	79.16	78.93	77.68	78.48	78.46	78.40	78.69			0	0.00%
MP 919.0	MIN	70.61	71.38	72.39	73.71	74.77	75.25	75.00	74.71	75.43	76.14	79.02	79.25	78.96	78.53	78.58	77.38	77.65	78.17	78.17	78.39				
	AVG	70.70	71.55	72.67	73.82	74.80	75.43	75.25	74.92	75.49	76.27	79.12	79.68	79.47	78.86	78.78	77.50	78.11	78.36	78.33	78.56	74.09	78.68		

Period Average for June 1-15 is 80°F and the Max is 85°F

Period Average for June 16-30 is 83°F and the Max is 87°F

Temperature Data July 2008

CALENDAR DAY JULIAN DAY		1-Jul 183	2-Jul 184	7-Jul 189	8-Jul 190	9-Jul 191	10-Jul 192	11-Jul 193	14-Jul 196	15-Jul 197	16-Jul 198	17-Jul 199	18-Jul 200	21-Jul 203	22-Jul 204	23-Jul 205	24-Jul 206	25-Jul 207	28-Jul 210	29-Jul 211	30-Jul 212	31-Jul 213	July 1-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	75.16	75.31	75.31	75.72	75.65	76.46	78.39	78.17	79.25	79.27	79.52	80.04	82.06	82.65	82.53	82.67	81.55	80.37	80.67	80.92	81.28		0	0.00%
MP 31.7	MIN	74.70	74.89	74.97	75.04	75.29	75.81	77.11	77.65	78.06	77.70	78.35	78.94	81.37	82.15	81.82	81.28	80.62	79.54	80.01	80.24	80.46			
	AVG	74.98	75.08	75.14	75.33	75.35	76.31	77.53	77.95	78.80	78.48	79.14	79.65	81.85	82.44	82.22	81.99	81.08	79.90	80.31	80.52	80.85	78.81		
HANNIBAL***	MAX	77.29	75.65	75.88	76.69	77.52	77.63	78.22	79.74	79.97	79.97	80.44	81.27	83.37	83.71	84.18	84.42	83.61	85.12	83.84	83.61	83.48		0	0.00%
MP 126.4	MIN	75.42	74.95	73.78	75.76	76.46	76.82	76.82	78.93	78.93	79.50	79.63	80.20	82.54	83.25	83.61	83.61	83.14	83.61	82.90	82.90	82.67			
UPSTREAM	AVG	76.34	75.29	75.21	76.29	77.13	77.23	77.72	79.36	79.65	79.72	80.22	80.96	83.04	83.50	84.04	84.07	83.39	84.40	83.50	83.32	82.92	80.35		
RACINE***	MAX	77.49	77.28	74.60	74.92	75.61	76.51	77.20	78.49	78.77	79.59	79.97	80.69	82.30	82.70	83.68	83.60	83.52	83.99	83.66	83.80	83.70		0	0.00%
MP 237.5	MIN	76.59	76.53	74.11	74.47	74.80	75.29	76.39	77.79	78.18	78.49	79.28	79.79	81.70	81.77	82.60	82.76	82.99	83.39	83.19	83.07	83.31			
	AVG	76.98	76.99	74.38	74.73	75.33	75.90	76.82	78.21	78.56	79.18	79.66	80.28	81.93	82.20	83.27	83.22	83.30	83.71	83.41	83.46	83.55	79.77		
KYGER	MAX	77.79	77.00	77.30	75.31	75.70	75.41	76.57	78.38	78.91	79.52	80.83	81.44	82.38	83.25	84.03	83.37	83.62	83.60	83.52	84.13	83.62		0	0.00%
MP 260.0	MIN	75.49	75.19	73.84	74.07	74.96	74.49	74.64	77.16	77.30	77.67	78.10	79.10	81.11	81.03	81.40	81.66	82.01	81.95	81.95	82.40	82.56			
	AVG	76.61	76.32	75.24	74.96	75.28	75.08	75.97	77.84	78.22	78.70	79.63	80.41	81.71	82.40	82.65	82.61	82.62	82.77	82.91	83.28	83.22	79.45		
GREENUP***	MAX	78.70	78.40	No	77.80	77.90	77.40	76.60	78.40	78.70	78.70	80.80	81.70	81.70	82.30	83.00	81.60	82.60	83.40	82.10	84.00	83.20		0	0.00%
MP 341.0	MIN	77.50	77.40	Data	76.60	76.90	76.20	75.70	77.50	77.80	77.90	78.00	78.20	80.00	80.00	80.90	80.60	80.60	35.30	81.70	81.80	82.20			
UPSTREAM	AVG	78.16	77.91	Available	77.06	77.39	76.77	76.23	77.92	78.27	78.16	78.87	79.70	80.66	81.33	81.56	81.22	81.60	80.43	81.96	82.95	82.57	79.54		
MARKLAND***	MAX	79.80	79.80	79.30	80.00	80.50	79.90	80.80	81.40	82.10	82.70	82.70	82.00	81.00	82.40	82.90	82.80	82.80	83.60	83.00	84.00	83.30		0	0.00%
MP 531.5	MIN	79.10	79.00	78.40	79.20	79.80	79.70	79.80	80.50	80.60	80.60	80.00	80.20	80.40	81.00	82.00	82.00	82.00	82.40	82.40	82.60	82.80			
	AVG	79.49	79.36	79.00	79.80	80.09	79.79	80.41	80.82	81.16	81.31	81.00	81.11	80.72	81.81	82.52	82.36	82.40	82.93	82.68	83.37	83.07	81.20		
CANNELTON	MAX	No	No	No	No	No	79.00	79.56	81.50	81.50	81.82	82.22	83.53	83.80	85.35	84.29	84.07	83.64	84.38	84.29	85.14	84.61		0	0.00%
MP 720.7	MIN	Data	Data	Data	Data	Data	78.57	79.09	80.78	80.91	81.21	81.46	82.04	83.12	83.48	83.64	83.41	83.17	83.48	83.64	83.91	83.39			
	AVG	Available	Available	Available	Available	Available	78.80	79.41	81.17	81.20	81.41	81.66	82.45	83.45	84.37	83.95	83.64	83.35	83.79	83.84	84.30	83.81	82.54		
NEWBURGH	MAX	78.22	79.39	80.24	79.34	79.34	80.38	80.62	81.75	82.38	85.30	86.02	85.95	No	91.18	89.37	86.50	86.41	87.57	86.90	88.39	88.43		**2**	10.00%
MP 776.1	MIN	77.77	79.11	79.34	78.49	79.03	79.54	79.84	80.91	81.99	82.80	83.26	83.61	Data	86.86	85.82	85.17	84.34	84.85	85.23	85.86	86.13			
	AVG	77.95	79.23	79.61	78.85	79.16	79.93	80.30	81.31	82.26	83.32	84.01	84.26	Available	89.22	87.14	85.79	84.88	85.99	86.14	87.23	87.10	83.18		
JOHN T. MYERS	MAX	79.21	78.93	79.50	79.77	80.24	79.68	79.83	81.50	81.73	82.40	83.50	84.09	85.87	87.96	85.64	85.75	84.67	85.33	85.33	85.89	No		0	0.00%
MP 846.0	MIN	78.78	78.39	79.32	79.48	79.74	79.03	79.70	80.80	81.30	81.79	82.44	83.37	84.83	85.39	84.99	84.74	84.24	84.36	84.29	85.08	Data			
	AVG	79.09	78.75	79.44	79.63	80.02	79.38	79.76	81.11	81.61	82.01	82.78	83.57	85.14	86.39	85.33	85.03	84.42	84.71	84.64	85.38	Available	82.41		
SMITHLAND	MAX	78.71	78.87	79.14	79.27	79.66	79.72	79.79	81.36	81.32	81.73	82.27	82.67	83.89	84.11	84.43	84.51	84.63	85.35	84.85	85.03	86.16		0	0.00%
MP 919.0	MIN	78.35	78.39	78.94	79.09	79.27	79.20	79.43	80.65	80.83	81.52	81.99	82.38	83.44	83.79	83.97	83.79	83.64	83.73	83.61	84.31	84.61			
	AVG	78.54	78.71	79.08	79.19	79.47	79.45	79.65	81.00	81.11	81.62	82.12	82.52	83.59	84.00	84.17	84.15	84.27	84.31	84.07	84.51	85.26	81.94		

Period Average for July 1-31 is 84°F and the Max is 89°F

Temperature Data August 2008

CALENDAR DAY JULIAN DAY		4-Aug 217	5-Aug 218	6-Aug 219	7-Aug 220	8-Aug 221	11-Aug 224	12-Aug 225	13-Aug 226	14-Aug 227	15-Aug 228	18-Aug 231	19-Aug 232	20-Aug 233	21-Aug 234	22-Aug 235	25-Aug 238	26-Aug 239	27-Aug 240	29-Aug 242	Aug 1-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	81.50	80.89	80.47	81.18	80.47	No	78.10	78.26	No	76.96	76.86	77.50	77.81	78.08	78.98	79.54	81.00	No	76.68		0	0.00%
MP 31.7	MIN	80.10	79.92	80.11	79.90	79.68	Data	76.69	76.84	Data	76.14	76.08	76.57	76.51	76.59	76.64	77.94	78.15	Data	76.06			
	AVG	80.84	80.50	80.31	80.57	80.10	Available	77.29	77.44	Available	76.51	76.52	76.90	77.22	77.18	77.32	78.68	79.58	Available	76.33	78.33		
HANNIBAL***	MAX	84.07	84.31	83.84	83.84	84.18	83.37	82.78	82.31	81.61	81.50	81.50	81.97	81.84	81.97	81.97	82.20	82.54	82.08	81.37		0	0.00%
MP 126.4	MIN	83.48	83.48	83.14	83.14	83.37	82.08	81.61	81.14	80.91	81.03	80.67	81.03	81.14	81.03	81.14	81.37	81.50	81.37	80.80			
UPSTREAM	AVG	83.72	83.89	83.48	83.54	83.78	82.73	82.20	81.76	81.23	81.35	81.22	81.48	81.50	81.56	81.58	81.86	82.01	81.86	81.18	82.21		
RACINE***	MAX	84.21	84.52	83.80	83.80	83.97	83.09	82.17	82.11	82.01	81.89	81.70	81.58	80.95	80.60	80.99	80.99	81.09	80.89	79.57		0	0.00%
MP 237.5	MIN	83.39	83.66	83.37	83.29	83.29	82.07	81.56	81.38	81.38	80.95	81.17	81.09	80.01	80.16	80.46	80.77	80.26	80.36	78.97			
	AVG	83.78	84.03	83.60	83.57	83.71	82.65	81.91	81.86	81.74	81.56	81.47	81.36	80.15	80.36	80.69	80.85	80.82	80.67	79.26	81.79		
KYGER	MAX	84.13	84.39	83.42	83.78	84.11	83.13	83.44	82.38	82.99	82.21	81.95	82.36	81.81	81.62	80.81	82.03	82.09	81.13	79.42		0	0.00%
MP 260.0	MIN	82.46	82.54	82.30	82.64	80.30	79.28	81.72	81.32	81.01	81.13	80.44	80.48	79.91	80.07	79.95	81.05	79.93	77.61	78.57			
	AVG	83.36	83.51	82.91	83.33	83.19	82.16	82.49	81.88	82.15	81.73	81.31	81.62	80.84	80.94	80.39	81.65	80.82	79.22	78.97	81.71		
GREENUP***	MAX	84.20	84.00	83.60	83.50	83.90	81.80	*	81.60	81.10	80.90	81.20	80.60	81.70	80.80	82.10	82.20	81.10	81.20	80.40		0	0.00%
MP 341.0	MIN	82.40	82.40	82.70	82.40	82.20	80.50	*	80.00	79.70	79.60	78.80	79.10	79.40	79.80	80.00	80.90	80.40	80.40	79.70			
UPSTREAM	AVG	83.20	83.35	82.93	82.93	83.00	81.21	*	80.66	80.41	80.12	80.00	79.90	80.37	80.27	81.10	81.51	80.88	80.79	79.94	81.25		
MARKLAND***	MAX	84.54	84.52	84.06	84.15	84.02	83.88	83.19	83.03	82.83	82.72	82.58	82.26	82.20	82.04	81.82	81.97	81.77	81.32	81.90		0	0.00%
MP 531.5	MIN	84.06	83.97	83.84	83.62	83.66	82.42	82.22	82.22	82.29	82.09	80.94	81.52	81.61	81.61	81.07	81.77	81.23	81.00	81.59			
	AVG	84.29	84.18	83.93	83.85	83.81	83.10	82.64	82.64	82.51	82.38	81.95	81.80	81.89	81.81	81.57	81.86	81.44	81.10	81.74	82.55		
CANNELTON	MAX	85.05	86.09	85.51	85.57	85.23	85.26	84.74	84.61	83.57	83.41	83.17	84.25	83.95	82.87	82.60	82.87	82.42	No	82.69		0	0.00%
MP 720.7	MIN	84.42	84.76	85.03	85.14	84.60	84.04	83.62	83.37	83.17	82.99	82.04	82.15	82.02	82.22	82.38	82.44	82.09	Data	81.79			
	AVG	84.64	85.26	85.18	85.35	84.91	84.43	84.07	83.79	83.32	83.12	82.38	82.66	82.78	82.48	82.46	82.62	82.24	Available	82.05	83.54		
NEWBURGH **	MAX	89.65	90.16	89.35	87.30	86.27	86.99	86.49	86.18	85.96	86.13	88.21	88.18	86.22	84.47	86.47	85.44	85.24	No	No		**3**	18.00%
MP 776.1	MIN	85.98	86.09	86.11	85.75	85.06	84.04	83.86	84.83	83.62	83.05	82.87	83.01	83.68	83.01	83.46	83.97	65.91	Data	Data			
	AVG	87.45	87.62	87.04	86.27	85.67	85.00	84.94	85.31	84.30	83.68	84.35	84.88	84.78	83.62	84.60	84.69	83.94	Available	Available	***85.18***		
JOHN T. MYERS**	MAX	86.99	88.09	87.17	86.40	86.09	85.68	85.12	84.94	84.16	84.51	84.47	84.76	83.41	82.78	83.50	83.19	82.71	No	No		0	0.00%
MP 846.0	MIN	85.64	86.05	86.23	85.84	85.23	84.11	83.70	83.37	82.89	82.78	82.13	82.53	82.45	82.18	81.95	82.71	82.26	Data	Data			
	AVG	86.28	86.77	86.61	86.07	85.55	84.71	84.08	83.72	83.56	83.32	82.96	83.33	82.82	82.46	82.51	82.90	82.48	Available	Available	***84.12***		
SMITHLAND**	MAX	85.95	85.96	85.89	85.87	86.16	85.62	85.06	84.69	84.70	83.46	83.43	83.32	82.02	81.57	82.54	82.54	82.36	82.18	No		0	0.00%
MP 919.0	MIN	83.88	84.51	84.83	80.46	84.63	84.36	83.77	83.68	83.26	82.63	81.90	81.66	81.39	81.21	81.36	81.79	81.70	81.82	Data			
	AVG	84.42	85.06	85.43	85.29	85.40	84.89	84.35	84.01	83.81	83.05	82.39	82.30	81.59	81.41	81.57	82.10	82.06	82.03	Available	83.40		

Period Average for August 1-31 is 84°F and the Max is 89°F

Temperature Data September 2008

CALENDAR DAY JULIAN DAY		2-Sep 246	3-Sep 247	4-Sep 248	5-Sep 249	8-Sep 252	9-Sep 253	10-Sep 254	11-Sep 255	12-Sep 256	22-Sep 266	23-Sep 267	24-Sep 268	25-Sep 269	26-Sep 270	29-Sep 273	30-Sep 274	Sept 1-15 Period Avg	Sept 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	78.22	78.15	79.02	78.22	77.54	77.34	76.68	75.97	75.36	73.51	73.49	73.38	72.41	72.16	71.47	71.29			0	0.00%
MP 31.7	MIN	76.59	76.95	77.34	77.31	77.00	76.78	75.88	74.70	74.70	72.68	72.36	72.12	72.14	71.46	70.77	70.74				
	AVG	77.32	77.37	78.07	77.69	77.28	77.01	76.46	75.29	74.99	73.10	72.73	72.57	72.26	71.79	71.14	70.99	76.83	73.13		
HANNIBAL***	MAX	80.80	83.14	81.03	81.27	81.27	81.03	80.44	80.10	79.39	76.82	76.82	77.05	76.59	75.76	75.42	75.18			0	0.00%
MP 126.4	MIN	79.97	79.97	80.33	80.56	80.56	80.56	79.86	78.93	78.80	76.12	75.99	76.12	75.52	74.82	74.71	74.01				
UPSTREAM	AVG	80.45	80.70	80.75	81.01	80.93	80.75	80.25	79.49	79.14	76.54	76.45	76.52	76.20	75.39	75.13	74.66	80.39	75.73		
RACINE***	MAX	79.30	80.10	80.36	7.32	79.89	79.81	No	No	No	77.00	76.98	76.98	76.49	76.29	74.90	74.82			0	0.00%
MP 237.5	MIN	78.95	79.08	79.87	5.89	79.36	79.36	Data	Data	Data	76.65	76.69	76.39	76.10	75.47	74.27	74.21				
	AVG	79.16	79.62	80.00	6.34	79.69	79.56	Available	Available	Available	76.91	76.86	76.77	76.32	75.87	74.67	74.62	67.39	76.00		
KYGER	MAX	80.32	81.38	80.16	80.60	80.44	80.40	79.24	79.02	79.99	77.51	77.12	76.02	76.33	75.70	75.63	75.13			0	0.00%
MP 260.0	MIN	78.63	79.75	78.95	78.91	79.30	79.18	78.10	77.92	78.10	76.12	75.31	75.31	75.25	71.03	74.15	73.84				
	AVG	79.70	80.58	79.60	79.91	80.07	79.81	78.77	78.56	79.34	77.05	76.14	75.66	75.96	73.18	75.28	74.50	79.59	75.40		
GREENUP***	MAX	81.50	82.20	82.70	82.40	80.60	81.10	80.40	80.20	80.00	77.80	77.40	77.90	77.40	76.40	75.60	76.20			0	0.00%
MP 341.0	MIN	79.20	79.90	79.80	80.40	79.70	79.60	79.30	79.00	78.80	76.80	76.80	76.30	76.20	75.60	74.80	74.60				
UPSTREAM	AVG	80.28	80.80	81.15	81.13	80.03	80.48	79.97	79.54	79.63	77.28	77.11	77.09	76.74	76.07	75.27	75.39	80.33	76.42		
MARKLAND***	MAX	83.30	82.90	82.80	82.60	81.60	81.50	81.00	80.50	80.40	76.90	76.90	76.90	76.60	76.30	75.10	74.60			0	0.00%
MP 531.5	MIN	82.00	82.20	82.30	82.10	81.00	80.90	76.30	79.90	79.90	76.00	75.80	76.00	75.80	75.70	70.30	74.30				
	AVG	82.60	82.38	82.50	82.33	81.37	81.10	80.41	80.22	80.22	76.34	76.36	76.36	76.18	76.00	74.74	74.47	81.46	75.78		
CANNELTON	MAX	84.43	84.34	82.92	82.35	81.66	82.31	81.25	80.94	80.29	78.76	78.80	78.64	78.51	77.77	77.04	76.66			0	0.00%
MP 720.7	MIN	82.45	82.85	82.42	81.99	81.14	81.41	80.64	80.17	80.19	77.95	77.86	77.70	77.68	77.11	76.42	76.28				
	AVG	82.97	83.46	82.62	82.16	81.35	81.70	80.98	80.46	80.23	78.19	78.16	78.07	78.02	77.48	76.68	76.46	81.77	77.58		
NEWBURGH **	MAX	86.88	88.39	85.89	84.29	84.60	83.39	82.58	81.86	83.88	81.50	80.24	81.75	80.56	78.84	No	No			**1**	7.00%
MP 776.1	MIN	83.91	84.25	83.57	81.97	81.79	81.01	80.11	79.72	80.31	78.44	77.61	78.10	78.55	77.29	Data	Data				
	AVG	84.92	85.83	84.27	82.85	82.76	81.92	81.05	80.58	81.61	79.37	78.73	79.62	79.19	77.83	Available	Available	82.86	78.95		
JOHN T. MYERS**	MAX	83.84	83.30	83.05	82.71	82.08	80.94	80.17	79.72	80.53	79.23	78.62	78.85	77.67	76.96	76.96	No			0	0.00%
MP 846.0	MIN	82.62	82.62	82.45	81.66	80.60	79.93	79.34	78.84	79.07	77.02	76.87	76.82	76.84	76.32	75.74	Data				
	AVG	83.21	82.91	82.73	82.19	81.02	80.34	79.74	79.28	79.58	77.54	77.48	77.35	77.07	76.61	76.06	Available	81.22	77.02		
SMITHLAND**	MAX	82.56	82.96	82.87	81.97	82.02	81.63	81.36	80.49	80.53	77.79	77.27	77.94	77.13	76.32	77.74	76.08			0	0.00%
MP 919.0	MIN	82.15	82.33	82.00	80.91	80.67	80.35	79.75	79.84	79.52	75.83	75.97	76.08	76.05	75.69	75.34	75.34				
	AVG	82.29	82.56	82.34	81.41	81.01	80.65	80.42	80.13	79.80	76.32	76.33	76.73	76.46	75.97	75.91	75.58	81.18	76.19		

Period Average for September 1-15 is 84°F and the Max is 87°F

Period Average for September 16-30 is 82°F and the Max is 86°F

Temperature Data October 2008

CALENDAR DAY JULIAN DAY		1-Oct 275	2-Oct 276	3-Oct 277	6-Oct 280	7-Oct 281	8-Oct 282	9-Oct 283	10-Oct 284	13-Oct 287	14-Oct 288	15-Oct 289	16-Oct 290	17-Oct 291	20-Oct 294	21-Oct 295	22-Oct 296	23-Oct 297	24-Oct 298	27-Oct 301	28-Oct 302	29-Oct 303	30-Oct 304	31-Oct 305	Oct 1-15 Period Avg	Oct 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	70.63	70.20	68.92	66.90	65.98	65.57	64.83	64.80	65.68	65.23	65.52	65.91	65.80	63.81	No	No	No	62.01	59.07	57.88	56.98	56.07	55.29			0	0.00%
MP 31.7	MIN	70.30	69.26	68.23	65.98	65.25	65.05	64.54	64.44	64.65	64.81	64.98	65.41	65.30	62.91	Data	Data	Data	60.93	58.44	57.13	56.43	54.99	54.59				
	AVG	70.48	69.71	68.56	66.43	65.63	65.25	64.75	64.60	65.09	65.02	65.25	65.63	65.56	63.41	Available	Available	Available	61.48	58.84	57.48	56.74	55.55	54.97	66.43	59.96		
HANNIBAL***	MAX	74.25	73.54	72.72	71.08	70.27	69.67	69.33	69.21	69.44	69.33	68.97	69.21	69.10	67.57	66.99	65.35	64.89	63.82	61.84	60.91	60.31	58.91	58.57			0	0.00%
MP 126.4	MIN	73.54	72.72	71.67	70.14	69.57	69.10	68.97	68.63	68.63	68.63	68.63	68.63	68.50	66.52	65.23	64.42	63.59	63.01	60.67	60.21	59.04	57.74	57.51				
UPSTREAM	AVG	73.99	73.21	72.25	70.69	69.97	69.43	69.17	68.92	69.02	69.04	68.81	69.00	68.90	67.18	66.23	65.01	64.39	63.39	61.32	60.59	59.91	58.35	58.03	70.41	63.53		
RACINE***	MAX	74.47	73.90	72.84	71.42	71.40	70.73	70.62	70.52	70.12	69.69	69.50	69.61	69.44	67.34	66.92	66.51	65.41	65.55	64.13	63.52	61.74	60.95	60.13			0	0.00%
MP 237.5	MIN	73.72	72.91	71.81	70.83	70.34	70.12	70.22	69.99	69.20	69.24	69.10	69.10	68.40	66.43	66.31	65.02	64.41	64.53	63.52	61.72	60.95	59.75	58.93				
	AVG	74.15	73.53	72.41	71.27	70.98	70.50	70.45	70.31	69.77	69.46	69.31	69.36	68.95	67.00	66.63	65.89	64.97	65.05	63.79	62.81	61.41	60.49	59.59	71.10	63.76		
KYGER	MAX	73.74	73.54	72.76	71.13	69.93	70.05	69.54	69.26	70.44	69.75	70.73	8.14	68.97	65.88	65.65	64.78	63.76	65.15	65.29	60.18	58.79	58.57	58.16			0	0.00%
MP 260.0	MIN	72.72	72.74	70.34	69.32	69.06	68.95	68.65	68.30	67.18	66.86	67.37	7.47	66.86	62.05	61.89	59.75	60.09	61.48	59.99	57.39	57.77	54.55	54.47				
	AVG	73.21	73.16	71.70	70.28	69.51	69.57	69.17	68.82	68.93	68.43	69.14	7.77	67.77	64.06	64.11	63.17	62.36	63.58	62.40	59.01	58.48	57.04	56.67	70.17	57.20		
GREENUP***	MAX	75.80	74.00	72.80	73.00	73.30	73.90	72.70	72.80	73.10	72.80	73.30	73.30	72.60	69.50	68.90	67.80	67.10	66.60	65.30	63.80	63.00	61.40	61.10			0	0.00%
MP 341.0	MIN	74.20	72.80	71.80	72.10	72.00	72.40	72.00	71.90	71.50	71.60	71.90	72.00	70.90	68.50	67.90	66.60	66.00	65.90	64.10	62.50	61.40	60.10	59.90				
UPSTREAM	AVG	74.95	73.54	72.49	72.57	72.70	73.23	72.13	72.38	72.07	72.26	72.41	72.78	71.82	69.03	68.26	67.35	66.62	66.29	64.82	63.18	62.22	60.86	60.39	72.79	66.14		
MARKLAND***	MAX	74.30	73.80	73.00	72.60	72.80	72.40	No	71.30	73.00	72.50	No	No	72.60	69.40	68.60	68.40	68.40	67.20	66.10	64.90	63.70	62.90	62.40			0	0.00%
MP 531.5	MIN	73.80	73.10	72.50	72.10	72.10	71.80	Data	70.80	71.60	71.60	Data	Data	71.40	68.30	68.30	62.50	62.00	66.60	65.00	63.70	62.90	62.00	61.80				
	AVG	74.15	73.55	72.82	72.34	72.38	72.05	Available	71.07	72.30	72.06	Available	Available	72.16	68.85	68.41	68.03	67.60	66.93	65.75	64.35	63.31	62.41	62.01	72.53	66.35		
CANNELTON	MAX	76.46	75.43	74.64	74.17	74.26	73.45	72.81	73.00	73.17	72.64	72.70	72.37	72.01	70.81	69.96	69.69	68.50	67.98	66.65	65.16	64.72	63.95	63.01			0	0.00%
MP 720.7	MIN	75.97	74.91	74.30	73.60	73.69	73.04	72.55	72.23	72.43	72.41	72.23	72.03	71.65	70.16	69.78	68.81	67.93	67.41	65.97	64.76	64.31	63.39	62.87				
	AVG	76.26	75.23	74.47	73.85	73.93	73.21	72.68	72.58	72.71	72.51	72.40	72.22	71.86	70.43	69.91	69.25	68.19	67.75	66.37	64.95	64.58	63.71	62.93	73.62	67.68		
NEWBURGH **	MAX	76.73	75.58	76.15	75.72	74.71	74.19	74.61	74.66	75.27	76.03	75.33	74.52	74.03	71.38	70.79	69.66	68.58	67.62	64.652	62.80	61.43	61.27	No			0	0.00%
MP 776.1	MIN	74.84	74.35	73.62	73.38	73.65	72.50	72.25	72.84	73.67	73.56	73.17	73.00	72.59	70.25	69.66	68.67	66.36	66.11	63.77	61.27	60.15	52.90	Data				
	AVG	75.89	74.69	74.51	74.29	74.08	73.22	73.10	73.79	74.36	74.63	74.04	73.56	73.13	70.89	70.29	69.11	67.08	67.12	64.30	62.00	60.84	58.75	Available	74.24	67.01		
JOHN T. MYERS**	MAX	75.40	74.50	74.68	73.89	73.06	72.25	72.64	72.37	72.91	72.36	73.22	72.81	71.74	69.78	69.17	68.20	67.42	65.89	64.13	61.95	60.89	No	No			0	0.00%
MP 846.0	MIN	74.57	73.67	73.11	72.43	72.19	71.94	71.49	71.47	71.85	71.62	72.05	71.71	71.11	68.86	68.22	67.17	65.91	65.25	62.94	60.69	60.15	Data	Data				
	AVG	74.84	74.01	73.50	72.93	72.57	72.08	71.84	71.74	72.18	71.97	72.55	72.23	71.34	69.22	68.71	67.60	66.53	65.59	63.64	61.16	60.47	Available	Available	72.75	66.65		
SMITHLAND**	MAX	75.18	75.13	76.12	73.24	72.84	72.55	73.56	71.87	71.98	72.41	72.39	72.16	70.84	69.39	69.30	68.92	68.23	67.37	64.94	63.28	61.59	No	No			0	0.00%
MP 919.0	MIN	74.39	73.80	73.74	72.70	72.50	72.10	71.64	71.04	71.58	71.46	71.56	70.81	70.14	68.97	68.76	67.95	67.35	66.51	63.70	61.72	60.94	Data	Data				
	AVG	74.74	74.39	74.10	72.89	72.66	72.31	72.11	71.36	71.70	71.70	71.83	71.37	70.45	69.12	68.97	68.37	67.72	66.92	64.40	62.24	61.20	Available	Available	72.71	67.08		

Period Average for October 1-15 is 77°F and the Max is 82°F
Period Average for October 16-31 is 72°F and the Max is 77°F

Temperature Data May 2009

CALENDAR DAY JULIAN DAY		1-May 121	4-May 124	5-May 125	6-May 126	7-May 127	8-May 128	11-May 131	12-May 132	13-May 133	14-May 134	15-May 135	18-May 138	19-May 139	20-May 140	21-May 141	22-May 142	26-May 146	27-May 147	28-May 148	29-May 149	May 1-15 Period Avg	May 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	60.71	61.93	61.45	58.39	56.71	57.38	58.59	59.27	59.49	59.68	60.46	63.03	62.96	63.27	64.40	66.09	70.27	69.49	69.78	70.90			0	0.00%
MP 31.7	MIN	60.12	61.56	58.87	56.61	56.37	57.15	58.23	58.69	59.00	59.52	60.13	62.33	62.20	62.51	63.55	64.72	68.76	68.83	69.44	70.09				
	AVG	60.41	61.83	60.28	57.52	56.53	57.26	58.34	59.09	59.29	59.61	60.33	62.81	62.53	62.87	63.87	65.18	69.20	69.07	69.59	70.49	59.14	66.18		
HANNIBAL***	MAX	59.61	60.91	60.44	60.21	60.08	57.63	57.97	57.97	58.44	59.38	60.08	62.19	62.42	63.12	63.59	64.76	No	69.21	70.14	70.38			0	0.00%
MP 126.4	MIN	58.91	60.31	59.38	59.61	57.51	57.04	57.63	57.40	57.51	58.10	58.80	61.25	61.38	61.38	62.55	63.36	Data	68.50	69.21	69.80				
UPSTREAM	AVG	59.37	60.53	59.92	59.96	58.91	57.33	57.88	57.73	58.17	58.90	59.44	61.74	61.88	62.56	63.23	64.05	Available	69.05	69.77	70.08	58.92	65.29		
RACINE***	MAX	*	65.61	64.84	70.60	71.93	69.91	71.32	70.14	64.05	64.33	64.72	66.31	67.14	67.32	67.81	67.89	72.09	72.82	73.21	73.90			0	0.00%
MP 237.5	MIN	*	64.60	63.80	63.80	68.59	66.82	69.81	62.93	62.90	63.82	64.33	65.80	66.10	66.10	66.20	67.30	71.19	71.95	72.80	73.19				
	AVG	*	65.13	64.41	65.64	69.43	68.32	70.42	64.01	63.54	64.00	64.49	66.07	66.59	66.74	67.19	67.52	71.65	72.50	73.01	73.67	65.94	69.44		
KYGER	MAX	64.47	65.80	65.49	66.16	67.37	64.07	64.78	64.88	73.94	74.84	80.65	78.43	76.53	77.51	79.14	80.75	No	84.21	84.13	84.90			**7**	50.00%
MP 260.0	MIN	63.15	65.25	64.66	64.41	63.15	63.15	63.96	64.15	64.07	68.87	74.84	75.04	67.28	67.28	68.44	69.14	Data	82.72	83.19	83.33				
	AVG	63.86	65.52	65.15	64.95	63.57	63.63	64.52	64.55	68.65	71.64	79.10	77.03	71.95	74.55	75.89	77.36	Available	83.32	83.65	84.14	66.83	***78.49***		
GREENUP***	MAX	65.90	66.40	66.60	66.50	65.30	65.00	64.90	63.10	63.80	64.00	64.80	66.00	66.70	66.80	67.20	68.50	72.60	73.90	73.30	73.30			0	0.00%
MP 341.0	MIN	65.00	65.60	66.00	64.90	64.40	63.80	61.80	61.60	61.60	62.60	63.50	64.90	65.20	65.30	65.50	66.10	72.20	72.20	72.60	72.80				
UPSTREAM	AVG	65.58	66.08	66.28	65.94	64.90	64.40	63.07	62.27	62.72	63.38	63.86	65.45	65.95	66.20	66.60	67.41	72.48	72.99	72.98	73.15	64.40	69.25		
MARKLAND***	MAX	62.20	63.60	No	*	64.60	*	63.00	63.00	72.40	73.80	74.00	75.10	74.50	64.40	65.40	66.40	69.80	72.20	71.30	71.30			0	0.00%
MP 531.5	MIN	61.40	63.40	Data	*	63.80	*	62.00	62.00	62.60	72.20	73.40	74.60	63.20	63.40	64.30	65.30	69.10	69.70	70.70	70.20				
	AVG	61.88	63.53	Available	*	64.15	*	62.43	62.70	66.60	73.31	73.81	74.92	64.93	64.08	65.00	66.02	69.47	70.83	70.83	70.68	66.05	68.53		
CANNELTON	MAX	No	No	No	63.84	64.31	64.74	63.07	62.82	62.58	62.65	62.76	No	No	64.06	64.76	65.80	No	69.55	70.23	70.63			0	0.00%
MP 720.7	MIN	Data	Data	Data	63.66	64.08	64.42	62.55	62.29	62.37	62.62	62.51	Data	Data	63.84	64.51	65.41	Data	69.40	69.87	70.52				
	AVG	Available	Available	Available	63.73	64.17	64.60	62.78	62.57	62.46	62.63	62.65	Available	Available	63.92	64.60	65.60	Available	69.50	70.03	70.56	63.20	67.37		
NEWBURGH	MAX	No	No	No	64.13	63.70	64.71	64.60	63.39	63.19	63.00	63.50	63.75	64.17	65.14	65.88	66.67	69.71	70.54	71.13	71.96			0	0.00%
MP 776.1	MIN	Data	Data	Data	63.63	63.57	64.38	63.55	62.85	62.56	62.76	63.25	63.10	63.79	64.51	65.12	66.15	69.26	70.09	70.52	70.68				
	AVG	Available	Available	Available	63.88	63.63	64.51	64.17	63.12	62.97	62.89	63.40	63.44	63.99	64.82	65.46	66.42	69.46	70.26	70.89	71.12	63.57	67.32		
JOHN T. MYERS	MAX	No	No	No	No	64.33	64.54	65.08	64.78	63.93	63.91	64.31	64.98	64.85	65.37	66.24	66.97	69.42	69.91	70.90	71.22			0	0.00%
MP 846.0	MIN	Data	Data	Data	Data	64.09	64.49	64.45	63.72	63.72	63.82	64.15	64.45	64.58	65.21	66.02	66.74	69.19	69.80	70.68	70.86				
	AVG	Available	Available	Available	Available	64.21	64.51	64.73	64.27	63.81	63.87	64.23	64.73	64.76	65.33	66.15	66.87	69.33	69.85	70.81	71.01	64.23	67.65		
SMITHLAND	MAX	No	No	No	No	64.74	65.19	66.02	65.95	65.89	65.43	65.64	66.40	66.25	66.20	66.69	67.68	71.92	72.27	73.15	73.62			0	0.00%
MP 919.0	MIN	Data	Data	Data	Data	64.65	65.05	65.59	65.46	65.25	65.28	65.39	65.88	65.73	66.06	66.47	67.41	71.62	72.25	72.95	73.15				
	AVG	Available	Available	Available	Available	64.70	65.12	65.79	65.65	65.55	65.33	65.51	66.12	65.98	66.12	66.56	67.51	71.76	72.25	73.04	73.32	65.38	69.19		

Period Average for May 1-15 is 68°F and the Max is 73°F

Period Average for May 16-31 is 75°F and the Max is 80°F

Temperature Data June 2009

CALENDAR DAY JULIAN DAY		1-Jun 152	2-Jun 153	3-Jun 154	4-Jun 155	5-Jun 156	8-Jun 159	9-Jun 160	10-Jun 161	11-Jun 162	12-Jun 163	15-Jun 166	16-Jun 167	17-Jun 168	18-Jun 169	19-Jun 170	22-Jun 173	23-Jun 174	24-Jun 175	25-Jun 176	26-Jun 177	30-Jun 181	June 1-15 Period Avg	June 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	70.74	70.00	70.93	70.00	69.46	69.33	69.80	70.99	70.57	70.59	71.11	72.09	72.36	71.96	No	72.25	73.33	74.43	73.67	74.44	75.20			0	0.00%
MP 31.7	MIN	69.35	69.58	70.21	69.08	68.81	68.85	69.42	70.03	70.02	70.00	70.72	70.84	71.44	71.15	Data	71.24	72.73	73.42	73.00	73.76	74.89				
	AVG	70.06	69.87	70.58	69.61	69.17	69.15	69.57	70.47	70.27	70.27	70.91	71.32	71.90	71.56	Available	71.84	73.17	73.92	73.30	74.13	75.04	69.99	72.91		
HANNIBAL***	MAX	71.08	71.55	72.48	71.55	70.84	71.31	71.67	72.14	72.01	71.78	72.48	73.18	73.54	74.25	73.42	73.65	74.01	74.01	74.12	75.52	77.76			0	0.00%
MP 126.4	MIN	69.67	70.50	70.84	70.97	69.91	69.44	71.20	71.20	71.44	71.44	71.31	72.25	72.84	72.95	71.44	73.18	73.08	73.18	73.31	74.12	76.93				
UPSTREAM	AVG	70.48	71.15	71.79	71.29	70.51	70.71	71.48	71.83	71.77	71.63	72.26	72.88	73.11	73.60	72.01	73.46	73.64	73.62	73.82	75.11	77.37	71.36	73.86		
RACINE***	MAX	74.41	74.11	75.02	74.43	73.68	72.82	72.84	73.90	73.88	74.60	76.31	76.82	77.16	77.16	77.71	78.18	78.10	78.49	79.81	79.38	80.36			0	0.00%
MP 237.5	MIN	73.19	73.19	73.80	73.19	72.68	71.99	71.99	72.68	73.70	73.88	75.29	75.59	76.49	76.59	76.65	77.59	77.65	77.77	78.47	78.87	79.77				
	AVG	73.96	73.77	74.45	73.91	73.25	72.35	72.56	73.61	73.74	74.36	75.75	76.22	76.75	76.85	77.32	77.91	77.78	78.27	79.05	79.12	80.01	73.79	77.93		
KYGER	MAX	85.92	83.74	75.72	75.84	74.35	78.32	82.82	83.90	80.85	74.23	76.14	77.33	77.55	78.55	78.85	79.55	79.42	79.04	79.63	*	80.75			**1**	9.00%
MP 260.0	MIN	83.01	74.51	74.51	74.35	73.25	73.54	78.12	80.44	73.43	73.54	74.64	75.63	76.63	77.10	78.00	78.40	78.40	78.53	78.63	*	79.91				
	AVG	84.56	76.32	75.32	75.28	73.75	75.17	80.73	82.42	74.26	73.88	75.70	76.82	77.16	77.92	78.48	79.01	78.96	78.80	79.17	*	80.41	77.04	78.52		
GREENUP***	MAX	72.70	72.60	73.60	73.30	72.70	71.90	72.50	74.20	73.80	73.00	73.70	74.40	75.20	75.80	No	77.20	78.60	79.40	80.40	No	80.00			0	0.00%
MP 341.0	MIN	71.90	71.90	72.00	72.40	71.40	71.00	71.50	72.40	72.50	72.00	73.00	72.70	73.70	74.20	Data	76.00	77.20	78.40	78.50	Data	78.40				
UPSTREAM	AVG	72.26	72.28	72.66	72.95	72.11	71.52	72.22	73.11	73.02	72.61	73.32	73.69	74.51	75.10	Available	76.84	78.21	78.90	79.35	Available	79.03	72.55	76.95		
MARKLAND***	MAX	72.66	73.22	73.49	73.29	72.55	72.21	72.86	72.81	72.95	73.17	73.22	73.17	73.54	73.44	74.19	76.96	78.08	78.94	79.61	80.19	79.70			0	0.00%
MP 531.5	MIN	71.83	72.43	72.86	72.59	71.89	71.44	71.94	72.64	72.73	72.48	72.50	73.00	72.81	72.97	73.15	76.26	76.71	78.01	78.73	79.02	79.09				
	AVG	72.15	72.78	73.15	72.84	72.12	71.81	72.31	72.72	72.85	72.90	72.81	73.07	73.06	73.12	73.57	76.56	77.19	78.36	79.04	79.56	79.28	72.59	76.28		
CANNELTON	MAX	72.61	73.18	73.76	73.89	73.20	73.40	73.72	74.57	74.86	74.98	74.57	74.48	74.61	74.88	No	77.29	77.61	78.01	78.64	79.11	81.19			0	0.00%
MP 720.7	MIN	72.14	72.84	73.47	73.69	72.82	73.24	73.53	74.37	74.41	74.35	74.44	74.41	74.32	74.46	Data	77.04	77.56	77.68	78.24	78.91	80.65				
	AVG	72.34	72.99	73.58	73.76	73.00	73.30	73.59	74.45	74.62	74.69	74.51	74.46	74.46	74.67	Available	77.18	77.59	77.77	78.41	79.02	80.94	73.71	77.17		
NEWBURGH	MAX	73.13	73.69	74.82	74.89	73.47	74.70	74.55	76.41	76.59	75.85	75.67	75.47	76.05	77.40	77.54	78.57	78.64	79.30	79.95	80.83	81.63			0	0.00%
MP 776.1	MIN	72.79	73.29	74.25	74.16	72.55	74.14	73.78	75.45	75.43	75.00	74.98	74.95	74.80	75.63	76.24	77.43	78.40	78.87	79.32	79.95	80.85				
	AVG	72.97	73.50	74.58	74.57	73.10	74.44	74.19	75.97	75.78	75.29	75.29	75.15	75.32	76.16	76.81	77.95	78.53	79.04	79.66	80.35	81.21	74.52	78.02		
JOHN T. MYERS	MAX	72.21	73.26	74.50	74.50	73.76	74.21	74.52	75.78	75.83	75.94	76.32	75.88	75.54	76.15	77.04	78.85	79.32	79.88	80.28	80.69	81.75			0	0.00%
MP 846.0	MIN	71.98	73.08	74.14	74.08	73.04	74.10	74.34	75.40	75.25	75.27	75.76	74.91	74.80	75.40	75.97	78.21	78.57	79.00	80.08	80.58	81.36				
	AVG	72.08	73.14	74.27	74.27	73.43	74.14	74.41	75.54	75.51	75.51	76.02	75.23	75.12	75.71	76.45	78.49	78.92	79.25	80.22	80.63	81.58	74.39	78.16		
SMITHLAND	MAX	72.97	73.40	74.01	74.68	74.01	74.10	74.08	74.53	76.01	76.10	76.46	75.97	77.33	76.60	77.25	79.12	79.79	80.49	81.19	80.85	83.19			0	0.00%
MP 919.0	MIN	72.45	73.02	73.76	74.37	73.63	73.71	73.65	74.39	75.45	75.70	76.01	75.72	72.25	75.72	76.21	78.96	78.93	79.38	80.11	80.69	82.83				
	AVG	72.71	73.20	73.85	74.50	73.86	73.91	73.88	74.46	75.83	75.87	76.33	75.86	74.79	76.09	76.64	79.02	79.31	79.91	80.60	80.74	83.08	74.40	78.61		

Period Average for June 1-15 is 80°F and the Max is 85°F
Period Average for June 16-30 is 83°F and the Max is 87°F

Temperature Data July 2009

CALENDAR DAY JULIAN DAY		1-Jul 182	2-Jul 183	6-Jul 187	7-Jul 188	8-Jul 189	9-Jul 190	10-Jul 191	13-Jul 194	14-Jul 195	15-Jul 196	16-Jul 197	17-Jul 198	21-Jul 202	22-Jul 203	23-Jul 204	24-Jul 205	28-Jul 209	29-Jul 210	30-Jul 211	31-Jul 212	July 1-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	75.34	75.47	75.42	75.76	75.92	76.44	76.84	76.91	77.09	76.84	77.09	77.63	76.41	76.24	76.06	74.80	76.42	76.66	76.26	76.21		0	0.00%
MP 31.7	MIN	74.84	74.88	74.10	74.88	74.84	74.75	75.11	75.79	76.05	75.94	76.14	76.60	75.42	75.31	74.86	74.55	75.47	75.97	75.40	75.76			
	AVG	75.07	75.11	74.45	75.25	75.55	75.23	75.96	76.49	76.62	76.44	76.53	77.19	75.85	75.72	75.22	74.71	75.96	76.31	75.89	75.98	75.78		
HANNIBAL***	MAX	77.52	77.16	76.35	76.93	77.40	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		0	0.00%
MP 126.4	MIN	76.82	76.82	75.76	75.88	76.35	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data			
UPSTREAM	AVG	77.28	77.00	76.02	76.52	76.92	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	76.75		
RACINE***	MAX	80.48	80.07	78.69	78.89	78.69	78.89	79.28	79.97	79.99	No	80.87	80.97	80.67	80.69	80.69	80.52	80.48	80.58	80.38	80.79		0	0.00%
MP 237.5	MIN	79.77	79.38	78.26	78.16	78.16	78.38	78.77	79.34	79.77	Data	80.18	80.46	80.34	80.34	80.38	80.05	79.87	80.18	80.16	80.18			
	AVG	80.08	79.79	78.41	78.54	78.45	78.58	78.98	79.58	79.87	Available	80.60	80.69	80.47	80.48	80.57	80.32	80.18	80.39	80.25	80.43	79.83		
KYGER	MAX	80.85	80.24	78.93	79.46	80.03	80.03	79.63	81.34	81.54	No	81.44	82.23	81.15	81.81	81.81	81.72	84.13	82.84	81.54	81.34		0	0.00%
MP 260.0	MIN	80.24	79.44	78.22	78.20	78.53	78.71	79.20	79.91	80.20	Data	80.42	81.03	79.97	80.32	80.91	80.77	81.72	80.83	81.03	80.62			
	AVG	80.49	79.95	78.54	78.93	79.38	79.39	79.36	80.58	80.85	Available	81.08	81.45	80.63	81.11	81.25	81.26	83.42	81.74	81.26	80.97	80.61		
GREENUP***	MAX	80.20	79.00	80.00	79.10	78.70	78.50	79.00	No	No	No	No	No	No	No	79.30	80.20	81.70	80.20	79.20	77.50		0	0.00%
MP 341.0	MIN	78.70	78.40	78.40	76.40	76.70	76.60	77.30	Data	Data	Data	Data	Data	Data	Data	79.20	78.80	79.30	79.10	77.00	77.00			
	AVG	79.38	78.75	79.05	77.26	77.28	77.64	78.19	Available	Available	Available	Available	Available	Available	Available	79.29	79.39	80.46	79.47	78.41	77.22	78.60		
MARKLAND***	MAX	79.56	79.36	78.48	78.24	78.21	78.62	78.17	79.11	79.21	79.03	79.34	79.57	79.23	79.27	78.71	78.80	78.87	79.16	79.61	79.50		0	0.00%
MP 531.5	MIN	79.36	79.16	77.56	77.36	77.61	77.86	77.05	77.90	78.06	78.49	78.62	79.32	78.67	78.37	78.26	78.40	78.44	78.55	78.64	78.12			
	AVG	79.45	79.24	77.92	77.67	77.85	78.10	77.57	78.31	78.57	78.64	78.90	79.45	78.97	78.83	78.43	78.58	78.67	78.80	79.13	78.89	78.60		
CANNELTON	MAX	80.92	80.74	79.81	79.70	79.75	79.43	82.17	80.44	80.60	81.41	80.69	82.04	81.25	80.87	79.09	79.16	79.03	*	*	*		0	0.00%
MP 720.7	MIN	80.69	80.53	79.12	79.25	79.16	79.07	79.75	79.59	80.02	80.44	80.56	80.80	79.75	79.54	78.85	78.85	78.89	*	*	*			
	AVG	80.82	80.67	79.46	79.41	79.45	79.23	80.53	79.85	80.25	80.68	80.62	81.41	80.22	80.07	78.98	79.03	78.95	*	*	*	79.98		
NEWBURGH**	MAX	81.86	82.36	83.35	84.24	84.97	86.41	86.52	84.79	84.25	83.84	84.74	83.39	82.29	80.73	79.65	81.95	82.90	82.20	80.73	79.65		0	0.00%
MP 776.1	MIN	80.69	80.40	79.18	79.81	80.94	81.05	82.24	81.16	82.04	81.48	81.66	81.21	80.35	79.68	79.00	79.95	80.06	79.72	79.47	78.98			
	AVG	81.27	81.18	80.30	81.42	82.14	82.63	83.55	82.55	82.77	82.23	82.63	81.86	81.28	80.05	79.29	81.13	81.05	80.65	80.07	79.21	81.36		
JOHN T. MYERS**	MAX	81.03	80.42	79.84	80.96	82.08	83.26	83.26	83.77	83.14	82.78	83.21	82.71	80.47	80.38	79.29	79.29	81.18	80.80	80.64	80.53		0	0.00%
MP 846.0	MIN	80.37	79.75	78.39	79.11	79.48	80.35	81.46	81.41	82.04	81.82	81.88	81.48	79.92	79.77	78.85	78.82	80.76	80.11	80.51	80.11			
	AVG	80.61	80.06	79.03	79.70	80.40	81.45	82.06	82.24	82.35	82.19	82.40	81.89	80.26	80.07	79.12	79.01	80.99	80.40	80.58	80.24	80.78		
SMITHLAND**	MAX	82.69	82.29	80.17	80.10	79.79	82.33	81.39	81.82	81.16	81.70	81.72	81.72	80.83	79.52	78.33	78.22	79.74	80.13	80.15	79.95		0	0.00%
MP 919.0	MIN	82.13	81.82	79.02	79.02	78.44	79.20	80.38	80.38	80.29	80.31	80.71	80.62	79.74	79.03	78.12	77.88	79.43	79.75	79.97	79.72			
	AVG	82.28	82.02	79.47	79.34	78.93	79.90	80.63	80.94	80.63	80.77	81.04	81.19	80.23	79.30	78.22	78.14	79.54	79.98	80.06	79.82	80.12		

Period Average for July 1-31 is 84°F and the Max is 89°F

Temperature Data August 2009

CALENDAR DAY JULIAN DAY		3-Aug 215	4-Aug 216	5-Aug 217	6-Aug 218	7-Aug 219	10-Aug 222	11-Aug 223	12-Aug 224	13-Aug 225	14-Aug 226	17-Aug 229	18-Aug 230	19-Aug 231	20-Aug 232	21-Aug 233	24-Aug 236	25-Aug 237	26-Aug 238	27-Aug 239	28-Aug 240	31-Aug 243	Aug 1-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	76.06	76.08	75.20	75.92	76.24	76.48	76.75	77.22	77.23	77.04	78.48	77.90	77.41	77.56	78.39	77.85	78.08	77.56	77.81	78.10	75.52		0	0.00%
MP 31.7	MIN	75.45	75.45	75.06	75.07	75.06	75.76	76.21	76.41	76.75	76.41	77.18	76.82	76.95	76.91	77.11	77.29	76.86	76.68	77.04	76.91	74.71			
	AVG	75.85	75.71	75.09	75.54	75.55	76.16	76.54	76.88	77.05	76.64	77.81	77.46	77.20	77.15	77.61	77.65	77.41	77.12	77.47	77.54	75.20	76.70		
HANNIBAL***	MAX	No	No	No	No	No	No	78.69	79.16	79.39	80.44	80.91	81.61	81.27	81.84	81.84	81.14	80.56	79.86	79.39	79.63	78.93		0	0.00%
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	77.86	78.33	79.16	79.03	79.74	80.56	80.67	80.67	80.91	80.10	79.39	79.16	78.93	79.03	78.10			
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	78.47	78.89	79.27	79.95	80.53	81.05	80.90	81.39	81.29	80.58	80.15	79.55	79.13	79.33	78.51	79.93		
RACINE***	MAX	79.99	79.67	79.81	79.28	80.05	80.87	81.30	81.97	81.38	81.77	No	84.17	83.29	83.27	84.11	80.97	81.79	82.66	82.68	82.89	82.48		0	0.00%
MP 237.5	MIN	78.67	78.67	78.95	78.95	78.95	80.20	80.56	80.75	80.85	80.85	Data	82.66	82.78	79.77	78.67	77.49	77.41	77.10	82.03	82.46	81.20			
	AVG	79.51	79.29	79.39	79.12	79.61	80.56	80.95	81.16	81.09	81.34	Available	83.25	83.11	82.52	82.53	79.58	79.89	81.16	82.43	82.66	82.04	81.24		
KYGER	MAX	81.24	80.54	79.85	80.32	82.34	85.02	84.90	83.54	83.29	83.01	No	84.92	84.52	87.43	86.92	80.52	80.01	80.14	No	80.62	79.61		0	0.00%
MP 260.0	MIN	79.75	79.75	79.52	79.89	79.83	82.32	82.30	82.40	82.72	82.11	Data	83.82	83.72	83.92	80.73	79.91	79.52	79.22	Data	79.91	78.53			
	AVG	80.66	80.18	79.74	80.07	81.09	***84.17***	83.00	82.95	82.90	82.57	Available	***84.29***	***84.13***	***85.71***	82.15	80.30	79.76	79.72	Available	80.18	79.19	81.72		
GREENUP***	MAX	77.30	No	No	75.00	No	No	80.50	74.40	74.80	74.50	79.80	No	No	No	No	No	No	78.00	77.80	76.70	80.30		0	0.00%
MP 341.0	MIN	76.60	Data	Data	73.80	Data	Data	68.00	71.50	70.80	70.30	71.80	Data	Data	Data	Data	Data	Data	75.20	75.40	75.10	73.40			
UPSTREAM	AVG	76.98	Available	Available	74.55	Available	Available	71.98	73.76	73.29	71.86	77.64	Available	Available	Available	Available	Available	Available	76.61	76.18	75.96	78.27	75.19		
MARKLAND***	MAX	78.03	76.46	76.35	74.98	75.29	76.62	76.98	77.79	79.18	79.50	80.58	80.89	81.19	81.46	81.72	80.31	80.15	80.17	80.49	80.42	79.70		0	0.00%
MP 531.5	MIN	76.37	76.17	74.75	74.34	74.62	75.92	75.76	76.46	77.20	78.69	79.83	80.42	80.87	81.07	81.34	79.65	79.45	79.66	79.93	79.84	79.36			
	AVG	77.08	76.35	75.78	74.65	74.93	76.23	76.23	76.95	78.19	79.00	80.16	80.58	81.03	81.26	81.52	79.88	79.79	79.83	80.12	80.03	79.49	78.53		
CANNELTON	MAX	86.74	88.32	88.12	80.74	76.35	77.63	77.68	77.61	78.04	*	*	*	*	*	*	83.48	81.82	81.54	81.37	83.07	No		0	0.00%
MP 720.7	MIN	86.27	87.96	86.77	77.32	75.54	77.00	77.14	77.41	77.92	*	*	*	*	*	*	82.26	80.91	80.78	80.76	80.82	Data			
	AVG	86.56	88.13	87.48	78.94	75.90	77.27	77.41	77.54	78.01	*	*	*	*	*	*	82.77	81.34	81.13	80.92	81.31	Available	81.05		
NEWBURGH **	MAX	78.19	79.11	78.93	78.91	78.15	82.44	83.07	80.65	81.54	81.68	84.83	85.86	85.21	83.91	83.86	80.51	79.93	82.00	84.33	86.02	81.95		0	0.00%
MP 776.1	MIN	76.59	77.99	77.99	77.41	76.53	78.37	79.34	78.96	78.44	78.82	81.25	81.84	82.47	82.45	82.00	79.54	79.48	80.82	81.57	82.09	80.80			
	AVG	77.39	78.54	78.33	78.09	77.01	79.61	80.85	79.60	79.21	79.75	82.49	83.31	83.77	82.79	82.84	80.08	79.72	81.38	82.61	83.34	81.24	80.57		
JOHN T. MYERS**	MAX	79.99	78.80	78.75	79.07	79.07	78.96	78.58	79.32	80.04	80.74	81.84	82.65	83.10	82.76	82.51	79.95	79.90	80.46	81.03	81.88	80.73		0	0.00%
MP 846.0	MIN	79.09	78.53	78.42	78.49	77.94	78.08	78.15	78.35	79.09	79.88	80.87	81.37	81.88	81.77	81.64	79.61	79.57	79.84	80.20	80.37	79.90			
	AVG	79.65	78.64	78.62	78.76	78.54	78.41	78.38	78.76	79.52	80.28	81.30	81.85	82.32	82.09	82.00	79.69	79.76	80.01	80.47	80.75	80.26	79.99		
SMITHLAND**	MAX	79.84	79.81	79.11	78.89	79.45	79.93	79.97	80.33	80.11	80.15	82.04	83.39	82.17	82.11	81.86	80.74	81.36	81.07	81.90	81.19	80.87		0	0.00%
MP 919.0	MIN	79.36	79.11	78.49	78.08	78.76	79.11	79.70	79.57	79.27	79.29	81.63	81.79	81.66	81.70	81.63	80.49	79.93	79.68	79.88	79.88	80.11			
	AVG	79.58	79.63	78.82	78.45	79.13	79.38	79.82	79.90	79.60	79.62	81.75	82.06	81.90	81.86	81.76	80.64	80.65	80.02	80.75	80.42	80.51	80.30		

Period Average for August 1-31 is 84°F and the Max is 89°F

Temperature Data Septmeber 2009

CALENDAR DAY JULIAN DAY		1-Sep 244	2-Sep 245	3-Sep 246	4-Sep 247	8-Sep 251	9-Sep 252	10-Sep 253	11-Sep 254	14-Sep 257	15-Sep 258	16-Sep 259	17-Sep 260	18-Sep 261	21-Sep 264	22-Sep 265	23-Sep 266	24-Sep 267	25-Sep 268	28-Sep 271	29-Sep 272	30-Sep 273	Sept 1-15 Period Avg	Sept 16-30 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	75.06	74.79	75.18	75.02	74.01	73.98	74.28	73.96	73.96	73.45	74.52	73.49	73.09	72.97	73.36	73.13	73.26	73.22	71.91	70.63	68.68			0	0.00%
MP 31.7	MIN	74.16	73.56	73.56	73.42	73.22	73.20	73.31	72.97	73.04	72.50	73.24	72.43	72.41	72.05	72.43	72.43	72.54	72.84	71.10	69.76	67.44				
	AVG	74.74	74.06	74.09	73.94	73.64	73.54	73.75	73.36	73.51	73.12	73.48	72.82	72.73	72.43	72.80	72.75	72.95	72.99	71.61	70.28	67.87	73.77	72.06		
HANNIBAL***	MAX	78.33	77.99	77.63	77.40	76.69	77.16	77.05	76.35	75.99	75.99	75.88	75.88	75.52	74.95	74.82	74.95	74.95	75.29	74.48	73.31	72.01			0	0.00%
MP 126.4	MIN	77.52	76.93	76.69	76.69	76.35	76.46	75.99	75.52	75.18	75.29	75.18	74.82	74.71	74.59	74.59	74.59	74.48	74.82	73.31	72.01	71.20				
UPSTREAM	AVG	77.99	77.53	77.15	77.01	76.53	76.81	76.58	76.03	75.63	75.65	75.59	75.36	75.17	74.76	74.74	74.74	74.71	75.03	74.05	72.82	71.74	76.69	74.43		
RACINE***	MAX	81.68	81.28	80.97	80.89	80.05	79.77	79.50	79.48	77.98	78.10	78.18	77.88	77.57	77.49	77.10	76.98	76.98	77.10	75.90	75.31	73.88			0	0.00%
MP 237.5	MIN	80.67	80.48	80.28	80.36	79.48	79.38	79.18	78.95	77.67	77.67	77.67	77.47	77.26	76.98	76.78	76.65	76.78	76.67	75.29	73.88	72.42				
	AVG	81.35	80.92	80.69	80.59	79.85	79.58	79.37	79.19	77.75	77.90	77.94	77.67	77.42	77.30	76.95	76.82	76.83	76.92	75.70	74.78	73.17	79.72	76.50		
KYGER	MAX	78.83	78.34	78.26	78.04	78.04	78.43	79.14	77.83	76.33	76.33	76.86	76.73	77.04	76.16	76.04	76.84	76.73	76.92	74.86	74.43	72.86			0	0.00%
MP 260.0	MIN	78.02	77.51	77.22	77.22	77.51	77.12	76.82	76.61	75.72	75.53	75.63	75.84	75.72	75.61	75.61	75.72	76.23	76.23	74.03	72.76	71.56				
	AVG	78.42	77.93	77.82	77.80	77.92	77.76	77.67	77.22	76.11	76.01	76.23	76.31	76.41	75.94	75.84	76.37	76.51	76.68	74.48	73.80	72.12	77.47	75.52		
GREENUP***	MAX	78.70	78.60	78.70	78.40	85.30	83.30	*	*	*	*	75.50	70.30	69.60	68.50	68.50	80.50	74.50	72.60	68.80	74.30	72.40			0	0.00%
MP 341.0	MIN	76.70	75.40	75.60	62.00	66.40	76.60	*	*	*	*	70.40	68.90	68.80	67.60	66.20	65.50	72.60	70.80	67.30	67.30	71.00				
UPSTREAM	AVG	77.98	76.85	77.11	70.61	76.82	79.50	*	*	*	*	72.80	69.63	69.19	68.08	67.30	73.33	73.66	71.91	68.10	71.10	71.68	76.48	70.62		
MARKLAND***	MAX	79.81	79.84	79.92	79.81	78.51	78.69	78.35	78.57	78.44	78.26	78.21	77.76	77.52	76.87	77.00	77.09	76.64	76.42	74.71	73.08	71.37			0	0.00%
MP 531.5	MIN	79.30	79.16	79.29	79.30	78.15	77.99	77.67	77.72	77.56	77.77	77.76	77.23	76.30	76.39	76.77	76.64	76.41	76.08	72.93	71.38	70.21				
	AVG	79.51	79.47	79.56	79.51	78.36	78.28	77.91	78.04	77.90	77.98	77.93	77.49	77.26	76.59	76.85	76.86	76.51	76.20	73.89	72.35	70.66	78.65	75.69		
CANNELTON	MAX	No	79.61	79.88	79.47	79.66	79.86	79.83	79.54	79.20	78.78	78.73	78.49	78.17	78.12	77.88	77.74	77.49	76.44	74.14	73.85	72.46			0	0.00%
MP 720.7	MIN	Data	79.32	79.23	79.20	78.98	79.03	79.02	78.73	78.33	78.42	78.30	77.88	77.85	77.88	77.58	77.58	77.09	75.88	73.56	73.22	72.09				
	AVG	Available	79.45	79.39	79.33	79.25	79.25	79.27	79.07	78.56	78.54	78.49	78.15	77.94	78.03	77.75	77.66	77.30	76.16	73.80	73.55	72.30	79.12	76.47		
NEWBURGH **	MAX	81.64	84.36	80.91	83.14	81.12	82.29	81.88	84.18	81.81	80.94	80.47	79.79	79.39	78.80	79.25	79.97	78.73	78.75	74.88	72.86	74.62			0	0.00%
MP 776.1	MIN	79.56	78.57	78.62	78.53	78.80	79.36	79.21	79.18	78.76	79.14	78.73	78.22	77.81	77.13	76.82	77.23	77.36	77.31	72.79	71.76	65.16				
	AVG	80.27	80.32	79.45	79.91	79.87	80.61	80.19	80.84	79.81	79.77	79.41	78.78	78.29	77.84	77.74	78.29	77.90	77.63	73.79	72.08	71.83	80.11	76.69		
JOHN T. MYERS**	MAX	79.38	80.69	79.95	79.83	79.92	80.15	80.20	80.44	79.99	79.16	79.03	78.31	78.53	77.50	77.72	77.70	77.74	76.98	76.42	74.23	72.07			0	0.00%
MP 846.0	MIN	78.91	78.96	78.80	78.46	78.84	78.58	78.76	78.66	78.64	78.55	78.21	77.70	77.38	76.89	77.14	77.32	77.00	76.60	74.28	72.10	71.46				
	AVG	79.17	79.62	79.24	78.93	79.31	79.17	79.19	79.26	79.12	78.75	78.47	77.99	77.75	77.22	77.37	77.46	77.28	76.75	75.43	73.11	71.69	79.18	76.41		
SMITHLAND**	MAX	79.81	80.31	81.64	81.16	79.88	80.08	81.00	81.05	79.54	79.25	78.96	78.78	78.87	77.38	77.36	77.52	77.32	76.93	76.01	74.43	73.40			0	0.00%
MP 919.0	MIN	78.85	78.75	78.96	78.64	78.17	78.04	78.73	78.75	78.24	78.60	78.57	78.17	77.90	77.16	77.14	77.00	76.87	76.48	74.48	73.42	72.18				
	AVG	79.36	79.46	79.49	79.36	78.80	78.84	79.38	79.52	78.69	78.92	78.81	78.40	78.32	77.26	77.26	77.15	77.05	76.70	75.20	73.76	72.74	79.18	76.60		

Period Average for September 1-15 is 84°F and the Max is 87°F
Period Average for September 16-30 is 82°F and the Max is 86°F

Temperature Data October 2009

CALENDAR DAY JULIAN DAY		1-Oct 274	2-Oct 275	5-Oct 278	6-Oct 279	7-Oct 280	8-Oct 281	9-Oct 282	12-Oct 285	13-Oct 286	14-Oct 287	15-Oct 288	16-Oct 289	19-Oct 292	20-Oct 293	22-Oct 295	23-Oct 296	26-Oct 299	27-Oct 300	28-Oct 301	29-Oct 302	30-Oct 303	Oct 1-15 Period Avg	Oct 16-31 Period Avg	# of Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	67.71	66.74	64.20	63.99	63.63	62.69	62.26	60.55	59.34	59.47	58.32	57.18	54.46	53.82	54.01	54.12	53.28	55.62	54.63	54.09	54.55			0	0.00%
MP 31.7	MIN	66.90	65.62	63.25	63.37	62.96	61.90	61.83	59.63	59.09	58.86	57.49	56.23	53.67	53.49	53.42	53.83	52.72	53.92	54.01	53.87	54.36				
	AVG	67.41	66.16	63.72	63.59	63.12	62.28	62.05	60.09	59.24	59.16	57.86	56.67	54.03	53.67	53.66	53.99	53.05	54.98	54.23	53.97	54.48	62.24	54.27		
HANNIBAL***	MAX	71.31	70.27	67.93	67.80	67.10	66.40	65.82	64.42	62.65	62.31	60.91	60.08	56.46	55.63	54.70	54.93	54.70	54.36	53.29	52.95	52.59			0	0.00%
MP 126.4	MIN	69.67	69.21	67.10	66.76	66.63	65.46	65.23	62.55	62.31	60.91	59.85	59.14	55.40	54.70	54.12	54.59	54.23	53.29	52.59	52.48	52.12				
UPSTREAM	AVG	70.74	69.67	67.54	67.34	66.90	66.03	65.60	63.57	62.51	61.75	60.22	59.71	56.05	55.23	54.46	54.73	54.47	53.80	52.94	52.76	52.38	65.62	54.65		
RACINE***	MAX	72.42	72.01	70.01	69.42	69.12	68.63	68.20	67.89	67.12	66.84	66.22	65.33	62.62	61.93	61.44	61.03	60.85	60.73	60.22	59.97	59.75			0	0.00%
MP 237.5	MIN	71.70	71.19	68.99	68.79	68.63	68.10	67.71	67.04	66.61	66.43	65.19	64.80	61.54	61.21	60.64	60.42	60.34	59.91	59.71	59.52	59.42				
	AVG	72.11	71.72	69.69	69.16	68.93	68.38	67.97	67.62	66.90	66.65	65.65	65.13	62.31	61.69	61.15	60.85	60.69	60.46	60.02	59.71	59.62	68.62	61.16		
KYGER	MAX	71.64	70.34	68.14	68.26	67.37	66.57	66.00	No	No	64.78	63.37	62.38	60.09	59.97	60.40	60.07	58.38	58.38	57.75	57.77	57.45			0	0.00%
MP 260.0	MIN	70.09	69.04	67.30	66.86	66.57	65.55	65.49	Data	Data	63.86	61.99	61.97	59.08	57.59	58.16	58.28	57.28	57.14	57.36	56.98	56.86				
	AVG	70.92	69.69	67.86	67.53	67.09	66.17	65.70	Available	Available	64.51	62.62	62.13	59.65	59.05	59.26	59.43	57.84	57.84	57.51	57.50	57.12	66.90	58.73		
GREENUP***	MAX	71.40	69.50	67.20	68.00	67.90	67.30	64.30	64.00	63.80	62.20	61.20	61.90	63.00	54.70	59.40	62.80	64.20	62.30	61.00	59.50	55.80			0	0.00%
MP 341.0	MIN	69.20	65.80	66.10	66.00	67.00	64.20	63.10	62.60	59.50	58.40	59.90	59.90	57.20	50.90	53.20	56.20	62.60	60.10	59.40	52.90	53.80				
UPSTREAM	AVG	70.35	67.30	66.81	66.98	67.51	64.74	63.90	63.17	61.21	60.08	60.70	61.41	59.39	51.80	55.55	60.54	63.32	60.92	60.13	55.86	54.31	64.80	58.32		
MARKLAND***	MAX	70.20	69.62	68.83	68.40	68.02	67.35	66.94	63.72	63.32	63.19	62.71	62.19	60.96	60.31	59.50	60.04	60.03	59.56	58.98	59.29	59.32			0	0.00%
MP 531.5	MIN	69.62	69.30	68.14	68.04	67.33	66.94	65.57	62.73	63.09	62.69	62.20	61.41	60.28	59.88	59.22	59.50	59.45	58.96	58.82	58.89	58.89				
	AVG	69.78	69.42	68.37	68.14	67.64	67.10	66.14	62.97	63.24	62.89	62.45	61.82	60.50	60.08	59.34	59.72	59.62	59.19	58.89	59.16	59.15	66.19	59.75		
CANNELTON	MAX	71.47	70.65	69.10	69.03	68.56	68.11	67.42	63.57	63.61	62.58	61.93	61.77	60.39	60.01	58.77	59.05	59.23	59.68	59.59	59.22	58.89			0	0.00%
MP 720.7	MIN	70.66	70.25	68.65	68.70	68.18	67.68	66.88	63.18	62.91	62.15	61.79	61.32	59.99	59.50	58.62	59.00	59.00	59.56	59.38	59.05	58.75				
	AVG	71.02	70.46	68.88	68.86	68.39	67.90	67.19	63.32	63.26	62.37	61.87	61.58	60.17	59.73	58.68	59.03	59.09	59.61	59.47	59.14	58.80	66.68	59.53		
NEWBURGH **	MAX	72.28	72.09	71.38	69.48	70.41	69.22	68.90	63.81	63.68	63.19	62.71	61.29	61.39	61.03	61.41	61.38	60.40	60.06	59.70	59.74	60.03			0	0.00%
MP 776.1	MIN	71.67	70.81	68.25	68.85	68.45	68.14	66.43	63.28	63.05	62.04	61.21	59.92	59.34	59.95	60.30	60.60	59.05	59.45	59.29	59.27	59.23				
	AVG	71.90	71.36	69.30	69.15	68.94	68.46	67.49	63.59	63.30	62.65	61.75	60.47	60.09	60.38	60.70	60.95	59.51	59.74	59.49	59.47	59.62	67.08	60.04		
JOHN T. MYERS**	MAX	71.40	70.99	69.26	68.76	68.27	67.51	66.54	64.58	63.77	62.96	61.92	61.12	58.89	59.18	59.81	60.46	59.77	59.36	59.20	59.22	59.72			0	0.00%
MP 846.0	MIN	70.93	70.57	68.38	67.95	67.21	66.51	66.00	63.66	62.98	61.93	61.18	60.28	58.33	58.64	59.40	59.83	59.27	59.14	58.98	59.05	59.18				
	AVG	71.08	70.78	68.62	68.28	67.67	67.06	66.27	63.89	63.43	62.45	61.49	60.74	58.66	58.93	59.58	60.15	59.44	59.27	59.09	59.11	59.49	66.46	59.45		
SMITHLAND**	MAX	72.14	71.06	68.07	67.78	69.06	67.28	66.97	63.82	63.14	61.56	60.66	59.56	57.00	56.59	57.31	57.92	58.62	58.55	58.57	58.21	58.69			0	0.00%
MP 919.0	MIN	71.08	70.47	67.35	67.44	67.03	66.78	65.26	63.12	61.57	60.67	59.61	58.30	56.43	56.19	56.68	57.31	58.26	58.44	58.23	57.92	58.12				
	AVG	71.55	70.68	67.67	67.63	67.56	67.07	66.34	63.39	62.33	61.12	60.11	58.93	56.62	56.41	56.95	57.65	58.40	58.51	58.46	58.02	58.43	65.95	57.84		

Period Average for October 1-15 is 77°F and the Max is 82°F
Period Average for October 16-30 is 72°F and the Max is 77°F

Temperature Data May 2010

CALENDAR DAY JULIAN DAY		3-May 123	4-May 124	5-May 125	6-May 126	10-May 130	11-May 131	12-May 132	13-May 133	14-May 134	18-May 138	19-May 139	20-May 140	21-May 141	24-May 144	25-May 145	26-May 146	27-May 147	28-May 148	May 1-15 Period Avg	May 16-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	60.75	61.52	64.13	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		No	0	0.00%
MP 31.7	MIN	60.51	61.11	62.80	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		Data		
	AVG	60.64	61.26	63.64	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	61.85	Available		
HANNIBAL***	MAX	60.31	60.55	61.14	62.31	64.29	63.48	62.89	62.65	62.89	61.02	59.50	59.04	59.50	63.12	63.82	64.53	65.35	66.76			0	0.00%
MP 126.4	MIN	59.74	60.08	60.21	61.14	63.12	62.65	62.19	61.25	61.25	59.50	59.04	58.44	58.44	61.38	63.12	63.36	64.53	65.35				
UPSTREAM	AVG	60.03	60.41	60.80	62.00	63.85	63.09	62.51	62.05	62.29	60.33	59.29	58.70	58.95	62.44	63.52	64.18	65.00	66.40	61.89	62.09		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	65.41	65.21	64.62	65.59	66.71	67.04	66.61	No	68.00	68.32	67.53	68.93	71.32	65.39	66.80	67.79	69.32	70.50			0	0.00%
MP 237.5	MIN	64.80	63.60	63.60	64.09	65.82	65.82	65.92	Data	66.20	67.89	65.31	65.23	63.58	64.39	65.29	66.77	67.98	69.28				
	AVG	65.11	64.32	64.11	64.67	66.28	66.31	66.25	Available	67.26	68.12	66.42	65.63	65.02	64.97	66.03	67.36	68.99	70.07	65.54	66.96		
KYGER	MAX	66.18	67.08	72.86	71.56	67.18	66.98	67.65	No	68.44	70.03	68.59	67.34	66.67	67.57	68.57	69.65	70.87	72.46			0	0.00%
MP 260.0	MIN	65.57	65.47	65.84	63.96	65.17	65.17	66.25	Data	66.69	67.98	66.67	66.27	64.96	65.86	66.88	67.83	69.32	70.75				
	AVG	65.94	65.95	69.01	66.96	66.45	66.19	66.76	Available	67.76	69.01	67.70	66.71	65.75	66.93	67.72	68.76	70.27	71.80	66.88	68.29		
GREENUP***	MAX	69.70	74.80	79.80	77.00	70.00	68.00	68.90	69.70	70.10	76.70	77.60	77.80	83.00	70.80	68.90	72.20	69.80	70.70			0	0.00%
MP 341.0	MIN	61.10	70.00	65.30	74.40	67.00	66.70	67.40	65.00	67.10	67.40	75.20	71.80	72.00	61.90	66.70	68.30	68.80	68.40				
UPSTREAM	AVG	64.50	72.65	73.06	75.54	68.35	67.53	68.30	67.70	68.94	74.86	76.53	73.98	72.90	65.53	67.80	69.39	69.49	69.68	69.62	71.13		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	64.27	64.08	64.22	65.12	64.63	64.13	64.42	65.32	65.61	66.67	66.38	65.91	66.60	66.61	67.12	67.95	69.01	69.57			0	0.00%
MP 531.5	MIN	63.61	63.55	62.67	64.17	64.11	63.90	63.88	64.17	64.53	66.38	65.93	65.64	65.84	66.00	66.31	67.05	67.80	69.03				
D.O. #1	AVG	63.91	63.81	63.41	64.58	64.28	64.00	64.16	64.74	65.14	66.54	66.21	65.74	66.24	66.24	66.62	67.44	68.24	69.16	64.23	66.94		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	No	No	No	No	No	No	No	No	No	66.25	66.11	66.11	65.95	67.42	68.50	69.13	69.53	69.67	No		0	0.00%
MP 720.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	65.86	66.00	65.70	65.80	67.19	68.40	68.94	69.28	69.58	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	66.02	66.06	65.91	65.88	67.33	68.44	69.02	69.39	69.63	Available	67.52		
NEWBURGH	MAX	No	No	No	No	No	No	No	No	No	No	66.40	66.18	65.89	67.96	68.67	69.93	70.81	70.68	No		0	0.00%
MP 776.1	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	65.73	65.93	65.59	67.62	68.45	69.69	70.66	70.21	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	66.06	66.04	65.74	67.82	68.56	69.78	70.72	70.41	Available	68.14		
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	66.96	66.31	66.27	65.64	68.11	68.77	69.06	70.38	71.20	No		0	0.00%
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	66.31	66.24	65.93	65.59	68.04	68.59	68.90	70.30	71.01	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	66.62	66.27	66.13	65.61	68.09	68.71	68.98	70.34	71.14	Available	67.99		
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	67.30	66.92	66.11	68.05	68.79	69.57	70.27	71.51	No		0	0.00%
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	66.81	66.43	65.95	67.62	68.27	69.48	70.11	71.04	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	67.11	66.62	66.00	67.90	68.56	69.53	70.18	71.25	Available	68.39		

Period Average for May 1-15 is 68°F and the Max is 73°F

Period Average for May 16-31 is 75°F and the Max is 80°F

Temperature Data June 2010

CALENDAR DAY JULIAN DAY		1-Jun 152	2-Jun 153	3-Jun 154	4-Jun 155	7-Jun 158	8-Jun 159	9-Jun 160	11-Jun 162	14-Jun 165	15-Jun 166	16-Jun 167	17-Jun 168	18-Jun 169	21-Jun 172	22-Jun 173	23-Jun 174	24-Jun 175	25-Jun 176	28-Jun 179	29-Jun 180	30-Jun 181	June 1-15 Period Avg	June 16-30 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	72.84	73.65	74.59	75.42	72.01	72.48	71.78	72.72	72.95	73.54	74.71	75.29	75.65	77.52	78.46	79.27	79.97	80.44	81.73	81.61	81.73			0	0.00%
MP 126.4	MIN	71.44	72.61	73.31	74.35	70.74	70.61	71.31	71.55	72.37	72.37	73.42	74.59	75.06	76.35	77.40	77.99	79.27	79.74	80.67	81.03	81.03				
UPSTREAM	AVG	72.40	73.20	74.25	74.96	71.46	71.69	71.60	72.28	72.68	72.98	74.30	75.02	75.43	77.29	78.05	78.77	79.61	80.11	81.28	81.34	81.36	72.75	78.41		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	74.86	75.68	No	76.98	78.38	77.30	75.63	73.88	75.21	75.90	76.59	76.98	77.79	79.67	79.59	79.87	80.87	5.95	82.87	83.19	83.21			0	0.00%
MP 237.5	MIN	73.80	74.56	Data	75.74	77.08	75.59	74.31	73.29	74.72	75.11	75.78	76.08	76.67	78.36	78.87	79.28	79.67	5.43	82.07	82.66	82.74				
	AVG	74.43	75.17	Available	76.40	77.67	76.74	75.26	73.61	75.01	75.59	76.15	76.60	77.34	79.05	79.22	79.55	80.46	81.30	82.30	82.94	82.95	75.54	79.80		
KYGER	MAX	76.43	77.22	No	77.20	78.34	77.73	76.53	72.52	73.54	74.15	75.13	75.04	75.70	78.24	78.63	79.02	79.75	5.84	81.05	81.13	81.40			0	0.00%
MP 260.0	MIN	75.13	75.86	Data	75.84	77.33	75.63	75.23	71.34	72.62	72.84	73.74	74.51	74.64	76.88	77.10	77.53	78.40	5.53	80.20	80.81	80.89				
	AVG	75.89	76.65	Available	76.65	77.94	77.17	75.85	71.91	73.17	73.62	74.39	74.75	75.28	77.53	77.94	78.32	79.19	80.29	80.49	80.98	81.10	75.43	78.21		
GREENUP***	MAX	67.10	64.30	69.80	74.50	81.20	76.10	81.60	87.60	82.70	78.10	78.50	82.10	No	No	No	No	No	No	No	No	No			0	0.00%
MP 341.0	MIN	58.40	56.30	57.40	61.20	70.70	69.20	70.30	49.60	76.10	63.20	62.00	77.00	Data	Data	Data	Data	Data	Data	Data	Data	Data				
UPSTREAM	AVG	62.47	60.18	63.53	67.77	74.41	73.13	75.01	62.45	78.23	73.93	69.98	79.24	Available	Available	Available	Available	Available	Available	Available	Available	Available	69.11	74.61		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	73.69	74.19	75.25	75.54	77.05	77.31	76.96	76.95	76.95	76.77	76.42	76.46	77.09	78.91	79.43	80.31	80.17	79.61	80.85	81.70	81.84			0	0.00%
MP 531.5	MIN	72.46	73.36	74.05	74.80	76.77	76.93	76.73	76.60	76.51	76.17	75.87	76.12	76.46	78.31	78.35	79.43	79.43	78.48	79.93	80.98	80.96				
D.O. #1	AVG	73.08	73.90	74.73	75.29	76.94	77.15	76.85	76.77	76.74	76.54	76.25	76.38	76.88	78.60	78.96	79.86	79.70	79.14	80.56	81.36	81.35	75.80	79.00		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	72.16	73.36	73.42	74.35	76.84	77.52	77.72	78.24	79.59	79.92	79.77	79.16	78.89	79.38	80.58	80.89	81.50	81.54	83.30	83.19	83.14			0	0.00%
MP 720.7	MIN	71.89	72.99	73.06	73.94	76.62	77.22	77.27	78.21	79.32	79.16	79.36	78.62	78.46	79.18	80.19	80.60	81.00	80.67	82.83	82.99	82.51				
	AVG	72.01	73.09	73.21	74.11	76.72	77.39	77.46	78.22	79.52	79.58	79.57	78.88	78.67	79.29	80.34	80.71	81.17	81.08	83.10	83.14	82.90	76.44	80.80		
NEWBURGH	MAX	74.25	75.76	75.09	78.94	77.11	77.56	78.26	79.27	80.67	80.44	80.92	80.69	79.84	81.09	82.56	82.74	84.15	84.76	No	No	84.18			0	0.00%
MP 776.1	MIN	73.63	74.43	74.05	75.07	76.57	77.20	77.88	78.53	79.90	80.17	80.06	80.19	79.36	80.42	81.86	82.24	82.85	82.89	Data	Data	83.43				
	AVG	73.90	74.75	74.53	76.26	76.91	77.38	78.07	78.88	80.37	80.28	80.52	80.49	79.59	80.75	82.14	82.49	83.26	83.48	Available	Available	83.83	77.13	81.84		
JOHN T. MYERS	MAX	73.83	74.57	74.73	75.65	76.77	76.71	76.75	78.60	80.37	80.80	80.96	81.23	80.33	81.16	82.00	82.47	82.90	83.28	84.54	84.24	84.29			0	0.00%
MP 846.0	MIN	73.65	74.48	74.64	75.25	76.24	76.23	76.53	78.22	80.20	80.40	80.37	80.80	80.11	81.12	81.68	82.35	82.78	82.81	83.95	83.91	83.37				
	AVG	73.77	74.53	74.69	75.38	76.58	76.52	76.63	78.43	80.28	80.68	80.60	81.07	80.26	81.14	81.90	82.40	82.83	83.06	84.17	84.08	83.84	77.10	82.31		
SMITHLAND	MAX	75.45	76.55	76.68	77.41	78.71	78.51	77.99	78.22	80.76	81.27	81.63	81.43	81.21	81.45	82.26	83.19	83.75	84.07	84.47	84.38	84.09			0	0.00%
MP 919.0	MIN	75.06	76.12	76.53	76.98	78.24	77.86	77.72	77.92	80.44	80.96	81.00	81.30	80.96	81.19	81.95	82.72	83.41	83.44	84.27	84.11	83.41				
	AVG	75.31	76.42	76.58	77.26	78.51	78.24	77.90	78.09	80.59	81.14	81.22	81.37	81.10	81.28	82.14	83.05	83.62	83.70	84.40	84.27	83.83	78.00	82.72		

Period Average for June 1-15 is 80°F and the Max is 85°F

Period Average for June 16-30 is 83°F and the Max is 87°F

Temperature Data July 2010

CALENDAR DAY JULIAN DAY		1-Jul 182	2-Jul 183	6-Jul 187	7-Jul 188	8-Jul 189	9-Jul 190	12-Jul 193	13-Jul 194	14-Jul 195	15-Jul 196	16-Jul 197	19-Jul 200	20-Jul 201	21-Jul 202	22-Jul 203	23-Jul 204	26-Jul 207	27-Jul 208	28-Jul 209	29-Jul 210	30-Jul 211	July 1-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	82.44	82.08	81.84	82.44	83.37	83.84	84.88	84.54	83.95	85.12	85.71	85.35	85.71	85.82	86.18	86.18	87.35	88.05	87.82	87.35	87.93		0	0.00%
MP 126.4	MIN	81.03	80.67	80.91	81.50	82.44	83.25	83.95	83.84	83.61	83.61	84.88	84.65	85.01	85.35	85.59	85.71	86.88	86.99	86.65	86.52	86.99			
UPSTREAM	AVG	81.65	81.46	81.41	82.20	82.88	83.52	84.55	84.19	83.83	84.65	85.33	84.97	85.46	85.68	85.89	85.99	87.06	87.43	87.31	86.91	87.43	**84.75**		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	82.99	82.40	82.46	82.93	83.50	No	84.49	84.49	84.21	84.29	84.29	84.35	83.82	84.21	83.52	83.80	No	85.17	85.00	85.29	85.59		0	0.00%
MP 237.5	MIN	82.15	81.68	82.25	82.68	83.17	Data	84.09	84.29	83.07	83.37	83.66	82.99	82.95	82.76	82.72	82.97	Data	83.88	83.78	84.45	84.98			
	AVG	82.46	82.01	82.37	82.79	83.37	Available	84.32	84.38	83.97	83.78	83.97	83.53	83.21	83.26	83.05	83.21	Available	84.36	84.42	84.84	85.33	83.61		
KYGER	MAX	81.44	81.20	81.64	82.93	82.72	No	83.80	83.13	83.11	82.54	83.29	83.03	83.03	82.74	82.13	82.25	No	83.90	84.03	84.09	84.03		0	0.00%
MP 260.0	MIN	80.71	80.22	80.73	81.52	82.09	Data	82.72	82.72	82.52	81.72	81.70	82.30	82.52	82.01	81.72	81.60	Data	82.62	82.52	82.80	83.01			
	AVG	81.02	80.67	81.01	81.84	82.40	Available	83.18	82.87	82.69	82.14	82.34	82.65	82.69	82.42	81.92	81.80	Available	83.47	83.20	83.45	83.57	82.39		
GREENUP***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	81.40	81.40	No		0	0.00%
MP 341.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	81.40	81.40	Data			
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	81.40	81.40	Available	81.40		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	81.32	80.42	81.46	82.69	84.40	82.58	82.56	84.52	85.86	86.43	85.55	85.69	85.68	85.89	85.62	85.33	85.10	84.94	84.79	84.54	83.73		0	0.00%
MP 531.5	MIN	80.46	79.59	80.71	81.27	81.40	82.04	82.22	84.22	84.40	85.06	84.83	84.38	85.15	84.99	85.05	84.36	84.00	84.38	84.49	83.61	83.26			
D.O. #1	AVG	80.93	79.99	81.12	81.91	82.73	82.32	82.38	84.35	84.89	85.61	85.02	85.15	85.39	85.39	85.37	84.78	84.51	84.58	84.64	83.95	83.50	83.74		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	83.34	82.99	83.57	84.43	83.70	84.52	85.39	83.77	84.27	85.12	86.41	86.05	86.20	85.80	85.86	86.27	86.88	86.86	86.97	87.13	87.30		0	0.00%
MP 720.7	MIN	82.81	82.31	82.51	82.60	83.21	83.55	83.35	83.55	83.95	84.85	85.60	85.87	85.55	85.59	85.51	85.98	86.50	86.49	86.85	86.76	86.79			
	AVG	83.05	82.66	83.01	83.69	83.41	83.99	84.17	83.71	84.09	84.96	86.04	85.95	85.88	85.71	85.67	86.13	86.73	86.67	86.90	86.94	86.97	**85.06**		
NEWBURGH	MAX	83.86	83.88	87.55	88.95	88.93	***91.09***	88.09	87.89	***90.72***	87.98	86.63	88.65	88.29	88.77	86.11	86.76	88.74	***89.85***	87.76	87.94	88.90		3	14.20%
MP 776.1	MIN	83.43	82.58	84.51	86.25	86.25	86.68	86.29	85.69	85.53	85.80	85.78	86.94	87.26	86.22	85.51	86.36	87.80	87.75	87.28	87.39	87.98			
	AVG	83.67	83.06	86.12	87.22	87.47	87.87	86.91	86.64	88.09	86.55	86.20	87.64	87.60	87.35	85.76	86.56	88.38	88.38	87.54	87.65	88.26	**86.90**		
JOHN T. MYERS	MAX	83.19	82.72	85.68	87.40	87.24	85.60	85.86	86.41	88.29	87.08	88.02	87.85	86.11	85.98	86.31	86.58	88.90	88.21	87.93	87.31	No		0	0.00%
MP 846.0	MIN	82.56	82.18	83.08	83.77	84.43	84.88	85.19	85.28	85.50	86.07	86.54	85.84	85.64	85.28	85.39	85.87	86.99	87.12	87.26	86.85	Data			
	AVG	82.88	82.43	84.21	85.03	85.09	85.19	85.44	85.71	86.37	86.54	87.10	86.37	85.91	85.61	85.87	86.19	87.46	87.48	87.55	87.14	Available	**85.78**		
SMITHLAND	MAX	83.16	82.53	82.69	83.01	83.41	83.95	84.60	84.97	85.08	85.28	86.58	86.76	86.56	86.27	85.89	85.82	87.35	86.99	86.86	No	No		0	0.00%
MP 919.0	MIN	82.44	81.59	81.77	82.18	82.58	83.17	83.77	84.00	84.18	84.24	85.26	86.14	86.11	85.84	85.32	84.92	86.02	86.32	86.32	Data	Data			
	AVG	82.76	82.03	82.04	82.44	82.92	83.45	84.16	84.22	84.45	84.84	85.88	86.44	86.27	85.99	85.50	85.31	86.41	86.55	86.53	Available	Available	**84.64**		

Period Average for July 1-31 is 84°F and the Max is 89°F

Temperature Data August 2010

CALENDAR DAY JULIAN DAY		2-Aug 214	3-Aug 215	4-Aug 216	5-Aug 217	6-Aug 218	9-Aug 221	10-Aug 222	11-Aug 223	12-Aug 224	13-Aug 225	16-Aug 228	17-Aug 229	19-Aug 231	20-Aug 232	23-Aug 235	24-Aug 236	25-Aug 237	26-Aug 238	27-Aug 239	30-Aug 242	31-Aug 243	Aug 1-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	87.22	87.35	86.41	86.18	85.95	86.18	86.18	86.05	86.18	86.65	87.22	87.69	86.88	86.88	86.41	85.95	85.01	84.54	84.78	83.95	83.84		0	0.00%
MP 126.4	MIN	86.41	86.41	85.82	85.35	85.24	84.88	85.24	85.24	85.71	86.05	86.65	86.52	86.18	85.82	85.59	84.88	84.42	84.07	83.71	82.90	82.90			
UPSTREAM	AVG	86.98	86.82	86.13	85.64	85.61	85.75	85.74	85.77	85.98	86.43	87.05	87.18	86.55	86.35	85.97	85.57	84.69	84.40	84.36	83.40	83.39	**86.09**		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	85.21	85.72	86.00	85.88	No	81.85	84.78	85.21	85.72	85.66	86.19	86.37	86.19	85.70	85.00	No	84.41	84.19	83.80	83.19	83.29		0	0.00%
MP 237.5	MIN	84.66	84.98	85.45	83.48	Data	79.73	80.56	84.17	84.58	85.27	85.49	85.86	85.19	85.15	84.39	Data	83.88	83.50	82.87	82.76	82.89			
	AVG	84.96	85.37	85.73	85.15	Available	80.96	83.20	84.70	85.33	85.45	85.91	86.13	85.66	85.38	84.64	Available	84.15	83.84	83.38	82.96	83.14	**84.54**		
KYGER	MAX	83.90	84.49	84.43	84.49	84.74	85.29	85.23	85.53	85.51	85.78	85.61	86.10	84.90	85.33	85.02	No	83.88	83.90	83.31	85.82	84.41		0	0.00%
MP 260.0	MIN	82.99	83.19	83.29	83.52	83.78	83.60	83.82	84.13	84.21	84.13	84.31	84.49	83.80	83.60	84.11	Data	82.82	82.50	82.32	82.03	82.21			
	AVG	83.50	83.79	83.85	83.94	84.30	84.39	84.48	84.84	84.80	84.95	85.07	85.40	84.26	84.49	84.45	Available	83.22	83.17	82.88	84.00	83.20	**84.28**		
GREENUP***	MAX	No	No	No	82.70	83.50	No	83.50	No	83.50	No	No	85.00	No	No	No	85.00	No	85.00	85.00	84.40	No		0	0.00%
MP 341.0	MIN	Data	Data	Data	82.60	83.50	Data	83.40	Data	83.50	Data	Data	84.80	Data	Data	Data	84.80	Data	84.80	84.80	83.30	Data			
UPSTREAM	AVG	Available	Available	Available	82.66	83.50	Available	83.49	Available	83.50	Available	Available	84.95	Available	Available	Available	84.89	Available	84.92	84.83	83.71	Available	83.29		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	84.99	84.83	85.14	85.71	85.66	85.41	85.87	86.45	86.81	87.49	87.33	87.19	86.76	86.70	86.45	85.68	85.17	84.94	84.61	84.13	83.60		0	0.00%
MP 531.5	MIN	83.82	84.49	84.69	84.90	85.06	84.83	85.24	85.96	86.16	86.43	85.93	86.65	86.22	86.04	85.46	85.17	84.81	84.42	83.95	79.52	83.20			
D.O. #1	AVG	84.56	84.68	84.89	85.19	85.21	85.11	85.52	86.18	86.42	86.83	86.91	86.90	86.48	86.39	85.92	85.36	84.97	84.62	84.26	81.58	83.42	**85.46**		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	***89.78***	***89.28***	88.92	88.50	87.66	***90.01***	***89.20***	88.34	***89.87***	87.67	88.05	87.30	87.21	87.76	87.03	86.40	85.98	85.69	85.14	85.26	84.69		5	23.80%
MP 720.7	MIN	87.01	87.01	86.86	87.06	86.50	86.52	86.74	86.95	87.26	87.30	87.64	86.79	86.68	86.90	86.38	85.84	85.59	85.15	84.85	84.72	84.29			
	AVG	87.55	87.74	87.69	87.67	86.97	87.42	87.40	87.51	87.84	87.40	87.78	87.00	86.84	87.14	86.56	86.08	85.80	85.34	85.02	84.94	84.48	**87.52**		
NEWBURGH	MAX	***89.38***	***93.72***	***92.16***	***91.53***	***89.80***	***92.55***	***93.36***	***91.99***	***90.55***	***90.19***	***91.15***	***89.60***	88.70	***89.65***	87.42	88.03	86.94	86.45	86.56	86.34	86.88		13	61.90%
MP 776.1	MIN	87.15	88.38	89.31	89.67	89.08	88.63	88.66	89.58	89.91	88.90	89.15	87.98	87.57	87.37	86.49	86.99	86.27	85.55	84.78	84.78	84.47			
	AVG	87.72	90.18	90.26	90.34	89.48	90.11	91.05	90.62	90.24	89.62	90.00	88.66	88.11	88.50	87.03	87.39	86.51	85.90	85.34	85.55	85.31	**89.96**		
JOHN T. MYERS	MAX	88.65	***89.55***	88.52	88.45	88.32	***89.42***	***90.91***	***90.12***	***90.34***	***90.41***	***89.62***	88.79	***89.47***	88.81	87.55	87.44	86.63	86.38	85.50	84.33	84.27		8	38.09%
MP 846.0	MIN	86.13	86.61	86.77	87.93	87.37	87.39	88.02	88.57	88.86	88.66	88.65	87.91	87.21	87.21	86.59	86.43	86.09	85.44	84.45	83.71	83.39			
	AVG	86.77	87.27	87.43	88.08	87.80	88.16	88.84	89.05	89.30	89.35	89.20	88.38	87.85	87.80	87.01	86.78	86.33	85.99	84.94	84.01	83.78	**88.21**		
SMITHLAND	MAX	***89.28***	88.66	88.39	87.93	87.80	88.02	88.12	***89.76***	***89.28***	***89.01***	***89.64***	88.88	88.48	***89.08***	88.07	87.87	86.72	86.54	86.16	84.49	83.80		6	28.50%
MP 919.0	MIN	86.52	86.56	86.85	86.97	86.95	87.03	87.37	87.78	88.14	87.69	87.94	87.87	87.12	87.12	86.94	86.83	86.36	85.53	85.17	84.06	83.48			
	AVG	87.37	87.03	87.37	87.40	87.40	87.34	87.64	88.29	88.44	88.08	88.27	88.39	87.51	87.68	87.50	87.31	86.55	85.95	85.63	84.32	83.67	**87.64**		

Period Average for August 1-31 is 84°F and the Max is 89°F

Temperature Data September 2010

CALENDAR DAY JULIAN DAY		1-Sep 244	2-Sep 245	3-Sep 246	7-Sep 250	8-Sep 251	9-Sep 252	10-Sep 253	13-Sep 256	14-Sep 257	15-Sep 258	16-Sep 259	17-Sep 260	20-Sep 263	21-Sep 264	22-Sep 265	23-Sep 266	24-Sep 267	27-Sep 270	28-Sep 271	29-Sep 272	30-Sep 273	Sept 1-15 Period Avg	Sept 16-30 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	83.61	83.95	83.84	81.50	81.27	80.80	80.20	78.46	77.99	77.29	76.93	76.12	75.88	76.12	76.35	76.23	76.35	75.76	75.65	75.29	74.59			0	0.00%
MP 126.4	MIN	83.01	83.25	83.25	80.67	80.56	79.50	79.27	77.40	76.82	76.46	76.23	75.76	75.42	75.29	75.52	75.76	75.88	75.52	75.18	74.48	74.12				
UPSTREAM	AVG	83.47	83.59	83.57	81.17	80.83	80.23	79.78	78.06	77.41	76.96	76.64	75.93	75.70	75.79	75.91	76.01	76.05	75.67	75.46	74.93	74.29	80.51	75.67		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	83.35	83.50	83.50	81.28	81.20	80.97	80.38	78.89	78.40	78.34	77.88	77.59	No	76.37	76.29	76.49	77.08	76.49	75.57	75.00	No			0	0.00%
MP 237.5	MIN	82.99	82.99	82.97	80.56	80.48	79.79	79.16	77.57	77.49	77.41	77.16	76.75	Data	75.78	75.59	75.98	76.16	75.19	74.70	74.39	Data				
	AVG	83.19	83.19	83.16	80.94	80.89	80.48	79.78	78.34	78.02	77.99	77.49	77.35	Available	76.04	75.98	76.19	76.58	75.79	75.11	74.73	Available	80.60	76.14		
KYGER	MAX	83.90	84.05	84.70	82.40	82.80	82.32	80.01	78.61	78.32	78.04	78.53	78.04	No	76.33	76.90	77.43	77.83	76.71	74.23	73.94	No			0	0.00%
MP 260.0	MIN	82.23	82.03	82.80	79.32	79.52	79.04	78.26	76.73	76.51	76.20	76.00	76.53	Data	75.00	74.80	75.63	76.31	73.84	73.64	73.15	Data				
	AVG	83.25	83.12	83.89	80.72	81.38	80.70	79.21	77.73	77.47	77.28	77.17	77.36	Available	75.83	75.69	76.42	76.81	74.91	73.89	73.66	Available	80.47	75.75		
GREENUP***	MAX	No	No	No	83.00	No	83.00	No	No	81.40	No	81.40	81.40	No	78.70	No	No	78.70	No	No	No	No			0	0.00%
MP 341.0	MIN	Data	Data	Data	82.90	Data	83.00	Data	Data	81.40	Data	81.40	81.40	Data	78.60	Data	Data	78.60	Data	Data	Data	Data				
UPSTREAM	AVG	Available	Available	Available	83.00	Available	83.00	Available	Available	81.40	Available	81.40	81.40	Available	78.61	Available	Available	78.68	Available	Available	Available	Available	82.47	80.02		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	83.61	83.55	83.52	81.21	81.14	80.94	80.10	79.59	79.18	79.09	78.91	78.57	80.64	77.85	77.49	77.50	77.63	76.80	75.69	75.52	75.31			0	0.00%
MP 531.5	MIN	83.26	83.37	82.62	80.40	80.82	80.06	79.43	77.76	78.82	78.57	78.31	78.03	77.00	77.04	77.22	77.20	77.34	75.69	75.27	75.06	74.73				
D.O. #1	AVG	83.46	83.46	83.18	80.86	80.98	80.51	79.75	79.22	79.00	78.82	78.70	78.26	77.89	77.43	77.31	77.36	77.49	76.19	75.48	75.29	75.02	80.93	76.95		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	84.47	84.36	84.00	82.35	81.70	81.55	80.87	79.77	79.77	79.65	80.24	79.45	79.25	80.46	78.89	79.34	78.85	77.36	76.73	76.41	76.19			0	0.00%
MP 720.7	MIN	84.16	84.09	83.75	81.82	81.48	81.09	80.29	79.36	79.23	79.20	79.50	79.09	78.60	78.89	78.73	78.91	78.64	77.07	76.55	76.17	75.85				
	AVG	84.31	84.24	83.87	82.08	81.59	81.37	80.63	79.56	79.42	79.42	79.85	79.29	78.84	79.56	78.78	79.13	78.77	77.20	76.66	76.27	76.05	81.65	78.22		
NEWBURGH	MAX	86.99	85.55	84.83	83.23	80.67	81.91	80.40	80.06	80.22	81.10	80.67	79.81	79.81	83.34	82.56	82.56	81.05	78.39	77.79	75.60	77.45			0	0.00%
MP 776.1	MIN	84.56	84.60	83.19	80.69	79.84	80.83	79.41	79.29	78.98	79.29	79.52	79.30	79.05	81.32	81.54	80.69	80.22	77.54	75.67	74.88	75.45				
	AVG	85.78	85.05	84.14	82.28	80.31	81.44	79.86	79.75	79.59	79.74	80.12	79.57	79.40	82.30	82.04	81.77	80.64	77.97	76.44	75.08	76.13	81.80	79.22		
JOHN T. MYERS	MAX	84.40	84.29	83.37	81.79	80.17	80.44	79.27	78.80	78.93	78.57	78.21	77.83	78.49	78.64	79.90	78.69	79.21	77.58	76.17	75.54	75.52			0	0.00%
MP 846.0	MIN	83.35	83.14	82.94	80.26	79.79	79.86	78.71	78.24	77.76	77.65	77.47	77.50	77.81	78.37	78.94	78.39	78.71	76.87	75.06	74.61	74.57				
	AVG	83.77	83.54	83.17	80.89	79.98	80.08	78.96	78.42	78.21	78.03	77.82	77.69	78.08	78.50	79.39	78.53	78.96	77.26	75.81	74.93	74.85	80.51	77.44		
SMITHLAND	MAX	83.48	83.28	83.12	80.49	80.76	81.28	79.95	79.61	79.29	79.36	79.12	78.17	78.98	79.25	79.45	79.00	78.44	77.11	75.99	76.14	75.88			0	0.00%
MP 919.0	MIN	83.23	83.05	82.94	80.42	80.62	80.28	79.56	78.75	78.33	78.37	78.03	77.59	77.74	77.86	77.72	78.04	77.95	76.01	75.43	75.02	74.89				
	AVG	83.39	83.13	83.08	80.47	80.68	80.79	79.75	79.09	78.61	78.95	78.50	77.92	78.22	78.41	78.55	78.57	78.15	76.60	75.70	75.42	75.35	80.79	77.40		

Period Average for September 1-15 is 84°F and the Max is 87°F

Period Average for September 16-30 is 82°F and the Max is 86°F

Temperature Data October 2010

CALENDAR DAY JULIAN DAY		1-Oct 274	4-Oct 277	5-Oct 278	6-Oct 279	7-Oct 280	8-Oct 281	11-Oct 284	12-Oct 285	13-Oct 286	14-Oct 287	15-Oct 288	18-Oct 291	19-Oct 292	20-Oct 293	21-Oct 294	22-Oct 295	25-Oct 298	26-Oct 299	27-Oct 300	28-Oct 301	29-Oct 302	Oct 1-15 Period Avg	Oct 16-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	74.01	71.08	No	No	No	68.16	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		No	0	0.00%
MP 126.4	MIN	73.42	70.50	Data	Data	Data	67.69	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		Data		
UPSTREAM	AVG	73.75	70.83	Available	Available	Available	67.94	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	70.84	Available		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	73.88	72.38	71.19	70.71	69.61	69.63	69.30	69.42	69.71	69.69	69.50	68.32	67.89	67.63	67.20	66.57	66.51	66.31	66.71	66.41	66.10			0	0.00%
MP 237.5	MIN	72.80	70.89	70.30	69.10	68.97	68.30	68.20	68.49	68.69	69.30	68.30	67.10	67.00	66.00	65.82	65.39	65.51	65.80	65.51	65.39	64.90				
	AVG	73.58	71.55	70.79	69.97	69.23	69.07	68.85	68.94	69.23	69.49	68.95	67.63	67.49	67.10	66.48	66.23	65.95	66.05	66.06	65.86	65.68	70.07	66.68		
KYGER	MAX	73.35	71.26	69.46	69.26	68.47	68.47	68.06	68.16	68.34	68.08	67.67	65.88	65.59	65.80	65.27	64.88	63.96	63.47	63.98	64.17	63.47			0	0.00%
MP 260.0	MIN	72.44	67.45	66.75	67.94	67.75	67.00	66.84	67.06	67.08	67.26	67.06	65.19	64.94	64.74	64.27	63.39	62.86	63.07	63.15	63.23	62.29				
	AVG	72.88	68.88	68.94	68.63	68.04	67.83	67.49	67.56	67.69	67.75	67.28	65.58	65.33	65.14	64.88	64.26	63.26	63.26	63.50	63.67	62.95	68.57	64.47		
GREENUP***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	68.30	No	No	No	No	No	No	No	68.30	No		0	0.00%
MP 341.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	68.30	Data	Data	Data	Data	Data	Data	Data	68.30	Data			
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	68.30	Available	Available	Available	Available	Available	Available	Available	68.30	Available	68.30		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	MAX	74.97	72.73	71.40	70.72	69.75	69.35	68.99	68.63	68.22	68.00	67.57	67.69	67.62	67.42	66.97	66.33	65.64	65.57	65.57	65.30	64.40			0	0.00%
MP 531.5	MIN	74.41	71.40	70.74	69.76	69.21	68.83	68.56	68.18	68.00	67.48	67.44	67.41	67.32	66.99	66.33	65.79	65.41	65.41	65.26	64.40	63.50				
D.O. #1	AVG	74.69	72.17	70.94	70.20	69.38	69.10	68.72	68.39	68.10	67.71	67.53	67.60	67.48	67.15	66.61	66.00	65.50	65.49	65.44	64.98	64.02	69.94	66.16		
McALPINE***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CANNELTON	MAX	76.05	73.63	72.81	71.92	71.60	71.78	70.43	70.41	69.82	69.58	69.17	68.02	68.34	67.82	67.39	67.26	66.79	66.63	66.47	65.82	65.08			0	0.00%
MP 720.7	MIN	75.58	73.08	72.14	71.60	71.44	71.31	70.30	70.23	69.66	69.28	68.61	67.89	67.89	67.39	67.15	66.58	66.61	66.54	66.15	65.50	64.69				
	AVG	75.76	73.46	72.51	71.76	71.51	71.53	70.37	70.29	69.71	69.45	68.87	67.96	68.09	67.63	67.29	66.97	66.71	66.59	66.33	65.67	64.91	71.64	67.00		
NEWBURGH	MAX	74.79	71.42	71.24	70.83	71.01	70.43	74.43	73.54	72.73	71.87	71.24	69.96	70.99	69.55	68.83	67.48	67.55	68.67	68.29	67.01	65.07			0	0.00%
MP 776.1	MIN	74.12	70.99	70.48	69.73	70.27	69.91	71.69	71.96	71.94	71.38	70.65	69.22	69.26	68.36	68.38	66.88	66.88	67.87	67.64	65.55	64.58				
	AVG	74.45	71.31	70.67	70.03	70.71	70.08	73.03	72.49	72.53	71.67	70.93	69.52	70.00	68.92	68.51	67.28	67.29	68.25	67.97	66.07	64.71	71.70	68.13		
JOHN T. MYERS	MAX	74.52	71.13	70.20	69.69	69.57	69.84	69.82	70.09	71.01	70.25	69.94	68.52	68.95	68.56	68.56	67.39	66.38	66.47	66.20	65.84	No			0	0.00%
MP 846.0	MIN	74.28	70.36	69.42	69.33	68.95	69.26	69.28	69.66	69.98	69.75	69.46	68.22	68.56	68.07	67.41	67.08	66.00	66.29	65.84	65.41	Data				
	AVG	74.41	70.74	69.82	69.56	69.28	69.43	69.49	69.82	70.19	69.99	69.77	68.37	68.70	68.28	67.84	67.22	66.16	66.38	66.02	65.62	Available	70.27	67.43		
SMITHLAND	MAX	75.65	72.12	70.65	70.56	69.73	71.60	69.57	69.04	69.10	69.24	68.92	68.79	68.95	67.89	67.48	67.44	No	No	No	No	No			0	0.00%
MP 919.0	MIN	74.75	71.22	69.87	69.39	69.21	69.22	68.36	68.49	68.67	68.79	68.56	67.86	67.78	67.59	67.17	66.99	Data	Data	Data	Data	Data				
	AVG	75.16	71.73	70.26	69.89	69.38	70.05	68.83	68.80	68.88	68.92	68.77	68.26	68.14	67.73	67.30	67.19	Available	Available	Available	Available	Available	70.19	67.90		

Period Average for October 1-15 is 77°F and the Max is 82°F

Period Average for October 16-31 is 72°F and the Max is 77°F

Temperature Data May 2011

CALENDAR DAY JULIAN DAY		2-May 122	3-May 123	4-May 124	5-May 125	6-May 126	9-May 129	10-May 130	12-May 132	13-May 133	16-May 136	17-May 137	18-May 138	19-May 139	20-May 140	23-May 143	24-May 144	25-May 145	26-May 146	27-May 147	31-May 151	May 1-15 Period Avg	May 16-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY MP 31.7	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
HANNIBAL*** MP 126.4 UPSTREAM	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
BELLEVILLE MP 203.9	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
RACINE*** MP 237.5	MAX MIN AVG	No Data Available	No Data Available	9.05 8.88 8.96	59.61 58.40 59.20	59.01 57.91 58.44	58.69 57.79 58.17	68.49 58.02 62.56	61.52 59.89 60.69	63.01 61.07 61.96	8.47 7.90 8.18	65.00 64.31 64.65	64.53 64.11 64.28	64.49 64.09 64.31	64.41 61.80 62.99	63.50 62.29 62.95	64.62 63.25 63.97	65.12 64.39 64.77	66.33 64.78 65.64	67.53 67.18 67.40	71.30 69.48 70.38	52.85	59.96	0	0.00%
KYGER MP 260.0	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	59.01 57.91 58.44	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	58.44	No Data Available	0	0.00%
GREENUP*** MP 341.0 UPSTREAM	MAX MIN AVG	60.40 59.50 60.05	61.00 60.00 60.50	61.00 59.80 60.31	59.80 58.30 58.71	59.50 58.20 58.86	59.50 58.20 58.88	59.60 58.70 59.27	60.70 59.50 60.49	62.60 60.70 62.08	64.30 60.70 62.68	64.40 63.70 64.01	64.40 63.40 63.90	63.40 62.90 63.18	63.60 62.80 63.42	63.70 62.80 63.44	64.40 63.40 64.02	64.80 64.30 64.58	66.80 64.80 65.34	65.60 65.20 65.50	69.80 68.80 69.53	59.90	64.51	0	0.00%
DOWNSTREAM	MAX MIN AVG	No Data Available	No Data Available	63.60 61.20 62.70	61.20 58.90 59.45	59.60 58.80 59.33	59.90 58.80 59.30	60.00 59.00 59.70	61.30 60.00 60.97	63.50 61.40 62.66	64.10 61.40 63.07	63.80 63.60 63.73	63.80 63.40 63.65	63.40 62.80 63.12	62.90 62.80 62.88	62.90 62.30 62.76	64.00 62.60 63.52	64.40 63.70 64.18	65.80 64.60 65.35	66.20 65.50 66.03	70.30 69.10 69.99	60.59	64.39	0	0.00%
MELDAHL MP 436.2	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
MARKLAND*** MP 531.5	US-Lock DS-Lock US-Hydro DS-Hydro	No Data Available	No Data Available	61.16 57.20 57.20 57.20	58.82 56.12 56.12 56.12	58.64 56.84 56.84 56.84	59.90 58.64 58.64 58.64	60.08 58.82 58.82 58.82	61.88 60.44 60.44 60.44	62.78 61.52 61.52 61.52	64.94 62.96 62.96 62.96	63.32 62.24 62.24 62.24	62.96 61.88 61.88 61.70	62.78 61.70 61.52 61.52	63.32 62.24 62.06 62.06	65.12 64.04 64.04 64.22	65.48 64.40 64.40 64.58	65.66 64.58 64.58 64.76	66.56 65.48 65.48 65.48	66.92 65.84 65.84 65.84	70.16 69.08 69.08 69.08	61.28 59.42 59.42 59.42	65.44 64.36 64.32 64.36	0	0.00%
McALPINE*** MP 606.8	MAX MIN AVG	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available

Period Average for May 1-15 is 68°F and the Max is 73°F
Period Average for May 16-31 is 75°F and the Max is 80°F

Temperature Data June 2011

CALENDAR DAY		1-Jun	2-Jun	3-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	27-Jun	28-Jun	29-Jun	30-Jun	June 1-15	June 16-30	# Days	Monthly
JULIAN DAY		152	153	154	157	158	159	160	161	164	165	166	167	168	171	172	173	174	175	178	179	180	181	Period Avg	Period Avg	Max Exceeded	% Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	72.40	73.11	73.52	75.17	76.20	76.18	76.90	77.10	78.18	78.10	77.79	77.37	77.26	77.59	77.49	77.88	78.28	78.30	77.18	76.67	77.10	77.47			0	0.00%
MP 237.5	MIN	70.79	72.09	72.80	74.09	74.98	75.37	75.96	76.39	77.26	77.37	76.86	76.86	76.88	77.08	76.88	77.26	77.47	77.85	76.18	76.08	76.27	76.57				
	AVG	71.57	72.51	73.23	74.65	75.54	75.84	76.40	76.76	77.75	77.88	77.39	77.06	77.06	77.36	77.16	77.54	77.86	78.08	76.69	76.40	76.63	76.96	75.41	77.18		
KYGER	MAX	72.25	73.35	73.74	75.27	76.08	76.55	77.12	78.14	77.75	77.39	77.85	77.33	77.14	77.24	77.04	77.14	77.26	77.14	75.84	75.96	76.47	76.45			0	0.00%
MP 260.0	MIN	71.83	71.83	72.34	74.03	74.78	75.51	75.51	76.71	76.82	76.51	76.51	76.43	76.10	76.65	75.15	75.15	76.23	76.23	74.25	74.25	74.82	74.82				
	AVG	71.98	72.62	73.17	74.71	75.40	75.97	76.23	77.19	77.33	77.01	77.09	76.86	76.51	76.95	76.22	76.08	76.68	76.66	75.15	75.23	75.72	75.62	75.34	76.21		
GREENUP***	MAX	70.90	71.20	71.50	75.00	75.60	75.70	76.70	77.00	77.20	79.30	79.30	78.70	79.20	79.20	78.50	No	79.00	79.00	78.20	78.60	78.60	79.30			0	0.00%
MP 341.0	MIN	68.80	70.60	70.60	70.60	74.90	74.90	73.80	76.10	76.10	76.70	76.70	78.10	77.90	77.90	78.10	Data	78.40	78.40	77.80	77.80	77.80	78.00				
UPSTREAM	AVG	69.87	70.83	71.12	72.34	75.28	75.38	75.99	76.48	76.63	78.64	78.68	78.50	78.37	78.30	78.30	Available	78.59	78.56	78.01	78.32	78.26	78.61	74.66	78.36		
DOWNSTREAM	MAX	71.60	72.60	73.10	74.80	75.70	75.80	77.00	77.90	78.20	79.90	79.90	78.80	79.20	79.20	78.40	No	79.00	79.00	78.20	78.20	78.20	79.30			0	0.00%
	MIN	69.10	71.60	72.10	72.10	74.50	74.50	75.70	76.80	76.80	78.00	78.00	78.10	77.80	77.80	78.00	Data	78.10	78.10	77.50	77.60	77.60	78.00				
	AVG	70.38	72.30	72.76	73.31	75.18	75.35	76.58	77.28	77.53	79.21	79.13	78.54	78.31	78.24	78.21	Available	78.52	78.52	77.84	78.00	78.01	78.57	75.36	78.24		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0	0.00%
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available		
MARKLAND***	US-Lock	71.60	72.68	73.04	75.20	75.74	76.28	77.18	78.26	77.90	78.08	78.44	78.80	78.80	78.80	78.44	78.26	78.08	77.36	77.72	75.38	78.08	76.82	75.85	77.97	0	0.00%
MP 531.5	DS-Lock	70.52	71.60	71.96	74.12	74.84	75.38	76.28	77.36	77.18	77.18	77.72	77.36	77.36	77.36	77.36	76.46	76.10	75.38	75.20	75.74	76.64	75.74	74.92	76.50		
	US-Hydro	70.52	71.60	71.96	74.12	74.84	75.38	76.28	77.36	77.18	77.36	77.72	77.00	77.00	76.82	76.64	76.28	76.10	75.38	75.20	75.92	76.46	75.56	74.94	76.28		
	DS-Hydro	70.52	71.60	71.96	74.12	74.84	75.38	76.28	77.18	77.18	77.36	77.72	77.00	77.00	77.00	76.46	76.28	76.10	75.38	75.20	75.92	76.46	75.74	74.92	76.28		
McALPINE***	MAX	No	No	No	No	No	No	No	77.83	78.04	77.65	77.34	76.94	77.27	77.77	77.23	76.50	76.11	75.86	75.20	74.96	No	No			0	0.00%
MP 606.8	MIN	Data	Data	Data	Data	Data	Data	Data	76.57	77.24	77.34	76.46	76.19	76.44	76.97	76.61	75.86	75.46	75.32	74.72	74.53	Data	Data				
	AVG	Available	Available	Available	Available	Available	Available	Available	77.18	77.60	77.48	76.96	76.59	76.79	77.28	76.98	76.07	75.78	75.58	74.88	74.79	Available	Available	77.31	76.08		
JOHN T. MYERS	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	77.34	77.97	No		0	0.00%
MP 846.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	77.00	77.02	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	77.25	77.48	Available	77.25		
SMITHLAND	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	76.55	77.20	No		0	0.00%
MP 919.0	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	76.39	76.15	Data			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	76.47	76.61	Available	76.54		

Period Average for June 1-15 is 80°F and the Max is 85°F

Period Average for June 16-30 is 83°F and the Max is 87°F

Temperature Data July 2011

CALENDAR DAY		1-Jul	5-Jul	6-Jul	7-Jul	8-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	19-Jul	20-Jul	21-Jul	22-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	July 1-31	# Days	Monthly
JULIAN DAY		182	186	187	188	189	192	193	194	195	196	200	201	202	203	206	207	208	209	210	Period Avg	Max Exceeded	% Exceedance of Max
MONTGOMERY	MAX	No	No	No	No	No	No	No	No	No	No	No	83.12	No	84.74	86.00	85.82	85.28	86.18	86.00		0	0.00%
MP 31.7	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	81.86	Data	82.94	84.74	85.82	84.74	84.74	84.92			
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	82.40	Available	83.48	85.28	85.46	84.92	85.28	85.28	**84.59**		
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	77.79	78.28	79.30	79.59	80.56	81.68	81.79	No	83.19	83.15	83.21	83.58	83.80	84.56	85.59	86.02	87.06	87.39	87.39		0	0.00%
MP 237.5	MIN	76.80	77.45	77.98	79.06	79.36	80.97	81.48	Data	82.66	82.66	82.74	83.05	83.07	83.66	84.84	85.27	85.66	86.86	86.86			
	AVG	77.27	77.87	78.67	79.24	79.88	81.36	81.57	Available	82.93	82.85	83.00	83.28	83.44	84.13	85.22	85.55	86.48	87.13	87.04	82.61		
KYGER	MAX	77.06	78.85	77.94	79.18	79.85	81.26	80.67	No	81.87	82.36	82.76	82.64	83.74	84.45	84.17	84.78	85.17	86.16	86.88		0	0.00%
MP 260.0	MIN	75.15	76.94	76.65	76.84	77.81	78.77	80.05	Data	80.85	80.85	81.36	81.72	82.05	82.36	83.05	83.66	84.07	84.25	85.04			
	AVG	76.04	77.92	77.29	77.91	78.85	79.98	80.31	Available	81.32	81.56	81.97	82.14	82.65	83.26	83.70	84.13	84.54	85.17	86.00	81.37		
GREENUP***	MAX	79.70	80.50	80.50	81.20	81.40	81.40	82.00	82.00	81.10	82.00	83.90	83.90	84.70	85.10	85.30	85.60	85.90	85.90	86.30		0	0.00%
MP 341.0	MIN	74.60	79.60	79.60	79.90	79.20	79.20	80.50	80.50	80.60	80.80	82.30	82.30	82.40	82.70	83.90	84.50	84.80	84.80	85.10			
UPSTREAM	AVG	78.73	79.97	79.97	80.54	80.68	80.76	81.05	80.98	80.89	81.23	82.95	82.81	83.22	83.87	84.63	84.98	85.22	85.25	85.65	82.28		
DOWNSTREAM	MAX	79.70	80.40	80.90	81.70	82.80	82.80	83.80	83.80	83.20	83.90	83.30	83.30	83.30	85.10	85.70	86.60	86.30	86.30	88.10		0	0.00%
	MIN	78.50	79.90	79.90	80.50	57.70	57.70	61.80	61.80	81.60	81.80	80.20	80.20	82.10	82.30	83.80	84.80	85.30	85.30	85.70			
	AVG	78.95	80.13	80.27	81.01	80.67	81.18	80.66	81.11	82.19	82.71	82.22	82.18	82.51	83.30	84.82	85.59	85.69	85.81	86.41	82.49		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	US-Lock	78.44	80.78	80.78	82.58	82.94	84.38	85.64	85.64	85.64	84.92	84.56	84.56	N / A	85.46	85.28	85.64	85.46	86.72	86.72	**84.23**	0	0.00%
MP 531.5	DS-Lock	77.18	79.34	80.24	80.96	81.50	83.30	83.66	84.20	84.02	83.84	84.74	84.92	85.28	85.46	85.46	85.64	85.64	86.72	86.72	83.62		
	US-Hydro	77.18	79.52	80.24	80.60	81.86	83.12	84.38	84.02	84.02	83.84	84.56	84.92	85.28	84.56	85.28	85.64	85.46	86.72	86.54	83.57		
	DS-Hydro	77.18	79.52	80.24	80.96	81.68	83.12	83.84	84.20	84.02	83.84	84.74	84.92	85.28	N / A	85.46	85.64	85.46	86.54	86.72	83.52		
McALPINE***	MAX	79.89	80.60	80.58	No	No	No	No	No	No	No	No	No	86.63	86.89	87.71	88.39	86.64	86.80	No		0	0.00%
MP 606.8	MIN	76.86	78.00	78.58	Data	Data	Data	Data	Data	Data	Data	Data	Data	84.90	85.29	86.42	86.21	85.83	85.81	Data			
	AVG	77.88	78.87	79.43	Available	Available	Available	Available	Available	Available	Available	Available	Available	85.52	85.86	86.88	86.96	86.26	86.27	Available	83.77		
JOHN T. MYERS	MAX	78.89	82.42	82.53	82.47	81.68	84.07	97.39	84.42	84.56	85.59	86.09	86.97	87.91	***89.37***	88.90	***90.07***	***89.42***	***89.76***	***89.71***		5	26.30%
MP 846.0	MIN	77.67	79.25	79.97	80.53	80.58	81.86	80.28	74.16	83.91	83.89	84.85	85.53	85.98	86.90	87.87	87.84	88.27	88.50	88.75			
	AVG	78.19	80.09	80.71	81.26	81.15	82.83	84.70	81.86	84.18	84.55	85.52	86.05	86.74	87.78	88.38	88.69	88.77	89.01	89.22	**84.72**		
SMITHLAND	MAX	78.24	80.44	80.67	81.43	81.77	83.25	84.04	84.13	85.06	85.60	86.05	86.83	87.21	87.75	***89.42***	***89.33***	***89.71***	***89.62***	***89.31***		5	26.30%
MP 919.0	MIN	76.89	79.65	79.79	80.28	81.09	81.90	83.17	83.19	84.02	84.22	85.21	86.04	86.25	86.76	87.80	88.61	88.77	88.79	88.92			
	AVG	77.45	79.88	80.09	80.72	81.41	82.30	83.48	83.88	84.41	84.76	85.68	86.29	86.67	87.15	88.39	88.84	89.10	89.22	89.12	**84.67**		

Period Average for July 1-31 is 84°F and the Max is 89°F

Temperature Data August 2011

CALENDAR DAY JULIAN DAY		1-Aug 213	2-Aug 214	3-Aug 215	4-Aug 216	5-Aug 217	8-Aug 220	9-Aug 221	10-Aug 222	11-Aug 223	12-Aug 224	15-Aug 227	16-Aug 228	17-Aug 229	18-Aug 230	19-Aug 231	22-Aug 234	23-Aug 235	24-Aug 236	25-Aug 237	26-Aug 238	30-Aug 241	31-Aug 242	Aug 1-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	84.74	84.92	84.92	84.92	85.28	84.74	84.56	86.72	83.66	83.84	80.78	80.60	80.42	79.88	79.52	78.98	78.98	78.98	78.44	78.80	79.16	78.26		0	0.00%
MP 31.7	MIN	83.66	83.48	77.72	83.84	83.84	83.84	83.48	86.72	82.94	82.58	80.42	79.16	78.62	78.62	78.44	78.08	77.90	77.72	77.72	77.72	77.54	77.36			
	AVG	83.84	84.02	83.84	84.38	84.20	84.38	83.84	86.72	83.12	82.94	80.60	79.70	79.16	78.98	78.80	78.44	78.26	78.08	77.90	78.26	78.08	77.72	81.15		
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0	0.00%
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	87.39	87.29	86.96	86.90	86.49	86.37	86.61	86.27	85.80	85.49	84.88	84.27	83.70	83.35	83.58	83.50	83.07	82.64	82.46	82.38	82.07	81.17		0	0.00%
MP 237.5	MIN	86.76	86.65	86.65	86.27	86.14	85.96	85.76	85.47	85.19	84.98	83.90	83.35	82.48	82.48	82.87	82.68	82.30	82.07	81.99	81.97	80.79	79.81			
	AVG	87.09	86.93	86.79	86.61	86.33	86.20	86.18	85.79	85.54	85.29	84.40	83.79	83.24	82.96	83.23	83.09	82.75	82.39	82.27	82.17	81.44	80.60	**84.32**		
KYGER	MAX	86.78	87.16	87.08	86.45	86.49	85.66	86.12	85.55	85.04	84.29	83.35	82.54	82.76	83.35	83.15	82.95	82.48	82.15	81.58	81.68	No	No		0	0.00%
MP 260.0	MIN	85.02	85.31	85.35	84.96	84.96	84.25	84.15	83.35	81.87	80.85	80.97	79.26	79.24	81.44	81.85	81.60	81.24	80.89	80.83	80.95	Data	Data			
	AVG	85.81	85.94	86.09	85.60	85.54	84.88	84.93	84.52	83.87	82.69	82.38	81.19	81.41	82.24	82.35	82.32	81.89	81.48	81.17	81.17	Available	Available	83.37		
GREENUP***	MAX	86.90	87.00	87.00	86.00	86.50	87.10	No	86.50	86.50	86.00	No	84.70	84.70	84.80	84.70	84.20	83.60	83.60	83.50	83.40	No	82.60		0	0.00%
MP 341.0	MIN	85.60	85.90	85.90	85.80	85.90	86.30	Data	85.90	85.70	85.20	Data	84.00	83.60	83.50	83.50	82.90	82.90	82.80	82.90	82.70	Data	81.50			
UPSTREAM	AVG	86.12	86.45	86.34	85.88	86.19	86.58	Available	86.12	86.13	85.66	Available	84.45	84.27	84.03	84.05	83.47	83.16	83.12	83.26	83.10	Available	82.07	**84.76**		
DOWNSTREAM	MAX	86.80	86.80	86.80	85.80	86.00	87.20	No	87.10	86.90	86.90	No	84.60	84.60	84.40	84.40	84.60	84.20	84.20	83.60	83.80	No	82.20		0	0.00%
	MIN	82.80	85.60	85.60	85.40	85.40	86.40	Data	86.20	85.80	85.30	Data	83.60	83.30	83.00	83.00	83.40	83.30	83.20	83.00	82.80	Data	81.50			
	AVG	85.72	85.97	85.99	85.54	85.72	86.74	Available	86.41	86.43	85.97	Available	84.29	84.04	83.55	83.52	83.69	83.64	83.56	83.30	83.18	Available	81.89	**84.69**		
MELDAHL	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0	0.00%
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available		
MARKLAND***	US-Lock	87.26	87.62	87.80	87.44	87.44	87.08	87.08	86.72	86.18	85.82	84.38	84.02	84.02	84.20	84.02	83.66	83.66	83.48	83.48	83.84	83.30	83.12	**85.26**	0	0.00%
MP 531.5	DS-Lock	87.26	87.44	87.62	87.44	87.44	87.08	87.08	86.72	86.18	85.64	84.38	84.02	84.56	84.20	84.02	83.66	83.66	83.30	83.48	83.84	83.30	82.94	**85.24**		
	US-Hydro	87.26	87.62	87.80	87.44	87.44	87.08	87.08	86.72	86.18	85.82	84.38	84.20	84.02	84.20	83.84	83.66	83.66	83.48	83.66	83.84	83.30	82.94	**85.26**		
	DS-Hydro	87.26	87.62	87.80	87.44	87.44	87.08	87.08	86.72	86.18	85.64	84.38	84.20	84.02	84.20	83.84	83.66	83.66	83.30	83.66	83.84	83.30	82.94	**85.24**		
McALPINE***	MAX	No	No	No	No	86.89	86.42	86.06	86.04	85.74	85.56	83.80	83.56	83.65	83.64	83.02	84.13	84.45	83.25	83.68	No	No	No		0	0.00%
MP 606.8	MIN	Data	Data	Data	Data	86.16	85.64	85.19	85.10	84.60	83.99	82.67	82.36	82.28	82.66	82.45	82.51	82.47	82.25	82.52	Data	Data	Data			
	AVG	Available	Available	Available	Available	86.50	85.95	85.55	85.53	85.12	84.70	83.21	82.98	82.90	83.11	82.74	83.16	83.23	82.75	82.91	Available	Available	Available	**84.02**		
JOHN T. MYERS	MAX	***91.22***	***92.34***	***90.43***	***90.30***	***90.77***	88.72	88.68	87.87	87.96	88.75	85.44	86.63	No	No	No	No	No	86.92	85.59	85.32	85.59	85.06		5	38.09%
MP 846.0	MIN	89.42	90.01	89.49	89.65	89.13	87.93	87.51	87.22	86.81	86.38	84.70	84.36	Data	Data	Data	Data	Data	85.44	84.61	84.45	83.43	83.28			
	AVG	90.04	90.76	89.98	89.99	89.65	88.36	87.94	87.52	87.26	87.08	85.01	85.03	Available	Available	Available	Available	Available	86.06	85.06	84.85	84.05	83.93	**87.21**		
SMITHLAND	MAX	***91.13***	***90.84***	***91.17***	***90.72***	***90.10***	***89.20***	***90.00***	87.98	88.11	88.32	85.53	86.50	85.62	85.10	84.81	86.00	84.88	84.83	86.11	85.68	84.79	83.62		7	28.50%
MP 919.0	MIN	88.95	89.13	89.51	89.64	89.33	88.27	87.69	87.06	86.23	86.14	84.92	84.61	84.58	84.58	84.16	84.43	84.22	84.31	84.27	84.34	83.48	83.25			
	AVG	89.61	89.65	90.06	90.10	89.67	88.57	88.35	87.38	86.84	86.51	85.29	85.19	84.87	84.82	84.37	85.01	84.50	84.55	84.94	84.98	83.85	83.38	**86.48**		

Period Average for August 1-31 is 84°F and the Max is 89°F

Temperature Data September 2011

CALENDAR DAY JULIAN DAY		1-Sep 244	2-Sep 245	6-Sep 249	7-Sep 250	8-Sep 251	9-Sep 252	12-Sep 255	13-Sep 256	14-Sep 257	15-Sep 258	16-Sep 259	19-Sep 262	20-Sep 263	21-Sep 264	22-Sep 265	23-Sep 266	26-Sep 269	28-Sep 271	29-Sep 272	30-Sep 273	Sept 1-15 Period Avg	Sept 16-30 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	78.26	78.08	78.80	78.08	77.00	73.58	72.68	72.68	72.68	72.86	72.14	68.36	67.82	67.46	67.82	68.54	69.62	69.44	68.90	68.54			0	0.00%
MP 31.7	MIN	77.18	77.00	78.08	77.00	73.58	71.24	72.14	71.96	71.78	72.14	70.34	67.82	67.28	66.92	66.92	67.28	68.36	68.54	68.36	68.00				
	AVG	77.54	77.54	78.26	77.54	75.56	72.32	72.32	72.32	72.14	72.50	71.42	68.18	67.64	67.10	67.10	67.64	68.72	69.08	68.72	68.36	74.80	68.40		
HANNIBAL***	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	70.84	70.84	70.97	70.38	69.44	No	68.63	No		0	0.00%
MP 126.4	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	70.38	70.50	70.61	69.67	68.63	Data	67.93	Data			
UPSTREAM	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	70.62	70.67	70.72	69.91	69.04	Available	68.38	Available	69.89		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	80.07	80.28	80.81	79.59	78.69	78.28	76.82	76.88	77.10	77.39	77.28	74.11	73.80	73.11	72.52	72.64	72.99	72.40	72.19	71.62			0	0.00%
MP 237.5	MIN	79.85	79.85	79.20	78.16	77.57	76.67	76.29	76.18	76.27	76.47	75.59	73.48	72.78	72.27	72.19	72.19	72.15	71.99	71.30	70.81				
	AVG	79.94	80.02	80.05	78.79	78.33	77.38	76.57	76.49	76.67	76.92	76.39	73.81	73.32	72.71	72.32	72.42	72.58	72.23	71.81	71.26	78.11	72.88		
KYGER	MAX	80.95	80.97	79.67	78.34	76.67	76.67	75.57	75.66	75.86	76.08	76.06	73.37	72.86	72.40	72.27	72.13	71.48	71.38	71.03	70.69			0	0.00%
MP 260.0	MIN	79.36	79.22	77.55	76.23	76.20	75.55	74.53	74.90	74.94	75.04	76.04	72.25	72.17	71.95	71.34	71.21	70.34	70.64	70.30	69.36				
	AVG	80.09	80.18	78.87	77.00	76.46	76.25	75.04	75.24	75.34	75.55	75.84	72.75	72.51	72.21	71.90	71.59	70.87	70.98	70.69	70.27	77.00	71.96		
GREENUP***	MAX	82.60	82.70	82.20	82.20	80.30	78.60	78.80	78.80	78.80	79.70	78.50	77.40	77.20	77.30	77.30	77.30	77.30	73.80	73.10	73.30			0	0.00%
MP 341.0	MIN	82.00	82.20	81.10	80.30	78.60	78.00	78.10	78.10	78.10	78.50	77.50	76.80	76.80	76.80	76.80	76.80	76.80	72.70	72.70	72.70				
UPSTREAM	AVG	82.27	82.43	81.79	81.41	79.38	78.12	78.49	78.57	78.59	78.80	78.14	77.06	77.05	77.09	77.09	77.09	77.09	73.22	72.92	73.05	79.98	75.98		
DOWNSTREAM	MAX	82.20	82.60	82.10	82.10	79.20	76.90	76.80	76.90	76.90	77.20	76.70	74.60	74.30	77.80	77.80	77.80	77.80	73.40	72.70	72.80			0	0.00%
	MIN	81.80	82.00	80.80	79.30	76.90	74.90	76.20	76.30	76.30	76.70	75.70	74.00	74.00	74.00	74.00	74.00	74.00	72.50	72.40	72.40				
	AVG	82.08	82.21	81.46	80.96	77.98	75.73	76.52	76.67	76.69	76.83	76.28	74.35	74.24	74.39	74.39	74.39	74.39	72.96	72.59	72.62	78.71	74.06		
MELDAHL	MAX	No	No	No	No	No	No	55.58	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	Data	Data	Data	Data	Data	Data	55.22	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	55.48	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	US-Lock					78.80	77.72	76.46	76.64	76.28	75.74	74.84	73.94	73.58	73.22	73.04	73.22	72.50	70.52	69.44	69.98	76.94	72.43	0	0.00%
MP 531.5	DS-Lock	82.76	82.76	81.68	79.88	78.80	77.72	76.46	76.64	76.28	75.74	74.66	73.94	73.58	73.40	73.04	73.22	72.68	70.70	69.26	69.80	78.87	72.43		
	US-Hydro	82.76	82.94	81.68	79.70	78.62	77.72	76.46	76.64	76.28	75.74	74.84	73.94	73.58	73.22	73.04	73.22	72.50	70.52	69.98	69.80	78.85	72.46		
	DS-Hydro	82.76	82.94	81.68	79.88	78.80	77.72	76.28	76.64	76.28	75.74	74.66	73.94	73.58	73.22	73.04	73.22	72.68	70.70	69.44	69.80	78.87	72.43		
McALPINE***	MAX	No	No	No	No	76.26	76.39	76.16	76.16	76.05	75.40	74.08	72.48	72.31	72.42	72.59	72.02	70.81	70.15	69.69	69.07			0	0.00%
MP 606.8	MIN	Data	Data	Data	Data	75.64	75.56	75.50	75.49	75.44	74.21	73.22	72.05	71.84	71.80	71.87	71.41	69.91	69.77	69.08	67.95				
	AVG	Available	Available	Available	Available	75.89	76.08	75.78	75.79	75.76	74.76	73.61	72.33	72.01	72.07	72.14	71.74	70.16	70.04	69.43	68.45	75.68	71.20		
JOHN T. MYERS	MAX	86.27	***89.11***	81.81	79.66	75.72	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		No	1	20.00%
MP 846.0	MIN	83.21	83.46	79.11	72.54	58.30	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data		Data		
	AVG	84.26	84.97	80.42	78.54	64.95	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	78.63	Available		
SMITHLAND	MAX	84.18	***89.49***	81.19	79.61	79.72	77.20	76.35	77.97	77.38	76.82	76.06	74.14	78.49	No	No	No	No	No	No	No			1	7.60%
MP 919.0	MIN	83.19	83.70	79.32	78.44	77.29	75.61	75.65	76.03	76.80	75.70	75.04	73.72	77.81	Data	Data	Data	Data	Data	Data	Data				
	AVG	83.51	85.01	80.25	78.98	78.70	76.18	75.97	76.64	77.06	76.10	75.59	73.93	78.08	Available	Available	Available	Available	Available	Available	Available	78.84	75.87		

Period Average for September 1-15 is 84°F and the Max is 87°F

Period Average for September 16-30 is 82°F and the Max is 86°F

Temperature Data October 2011

CALENDAR DAY JULIAN DAY		3-Oct 276	4-Oct 277	5-Oct 278	6-Oct 279	7-Oct 280	10-Oct 283	11-Oct 284	12-Oct 285	13-Oct 286	14-Oct 287	17-Oct 290	18-Oct 291	19-Oct 292	20-Oct 293	21-Oct 294	24-Oct 297	25-Oct 298	26-Oct 299	27-Oct 300	28-Oct 301	31-Oct 304	Oct 1-15 Period Avg	Oct 16-31 Period Avg	# Days Max Exceeded	Monthly % Exceedance of Max
MONTGOMERY	MAX	65.84	63.50	62.42	61.16	61.34	61.34	61.34	61.34	61.52	61.70	60.80	59.90	59.90	59.90	59.90	55.94	55.58	55.22	55.04	55.04	53.60			0	0.00%
MP 31.7	MIN	63.50	62.42	60.80	60.44	60.80	60.98	60.98	60.98	60.98	61.16	59.90	59.36	59.36	59.54	58.46	55.40	55.04	54.68	54.86	54.68	51.80				
	AVG	64.94	62.96	61.52	60.80	61.16	61.34	61.16	60.98	61.16	61.34	60.26	59.54	59.72	59.72	59.36	55.58	55.22	54.86	55.04	54.86	52.70	61.74	56.99		
HANNIBAL***	MAX	65.59	64.76	62.42	62.31	61.84	61.48	61.95	61.95	61.95	62.19	59.38	60.21	58.80	58.80	58.10	56.23	56.34	55.76	54.59	54.23	51.08			0	0.00%
MP 126.4	MIN	63.82	62.42	61.95	61.61	61.25	61.25	61.48	61.72	61.84	61.48	58.57	58.44	58.44	58.10	56.34	55.40	55.63	54.46	54.12	52.95	50.61				
UPSTREAM	AVG	64.72	63.22	62.18	62.00	61.64	61.43	61.77	61.87	61.92	61.88	58.92	58.73	58.63	58.56	57.19	55.87	56.04	55.24	54.41	53.67	50.83	62.26	55.23		
BELLEVILLE	MAX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 203.9	MIN	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RACINE***	MAX	68.32	67.63	66.20	65.51	65.29	65.61	No	No	65.72	65.61	62.90	63.52	63.21	63.11	62.29	61.01	61.03	60.83	60.73	60.83	59.63			0	0.00%
MP 237.5	MIN	67.30	65.61	64.90	64.90	64.90	65.06	Data	Data	65.29	64.82	8.59	62.70	62.62	61.70	60.91	60.09	60.24	60.03	60.32	59.50	58.91				
	AVG	67.82	66.75	65.30	65.15	65.02	65.32	Available	Available	65.51	65.28	10.37	63.11	62.93	62.65	61.66	60.58	60.74	60.50	60.56	60.04	59.36	65.77	56.59		
KYGER	MAX	66.98	66.04	65.27	64.09	64.57	68.16	No	No	67.87	68.18	61.99	61.66	61.48	61.19	60.26	56.57	56.22	56.16	55.76	55.96	54.07			0	0.00%
MP 260.0	MIN	65.45	64.92	63.17	63.07	63.41	63.56	Data	Data	65.94	66.04	61.23	60.93	60.77	59.67	57.45	55.63	55.94	55.53	55.51	55.02	53.01				
	AVG	66.31	65.44	64.41	63.57	63.75	66.02	Available	Available	66.80	67.29	61.63	61.34	61.12	60.64	58.94	56.13	56.04	55.79	55.62	55.60	53.61	65.45	57.86		
GREENUP***	MAX	69.80	69.40	69.40	69.10	68.60	68.60	67.30	67.30	66.50	66.60	66.60	65.40	65.40	64.90	63.70	59.40	59.80	59.80	No	59.00	57.20			0	0.00%
MP 341.0	MIN	69.10	68.90	68.50	68.20	67.80	7.70	66.50	66.40	66.40	66.40	64.90	64.80	64.40	63.80	62.20	59.00	59.00	59.00	Data	58.40	56.60				
UPSTREAM	AVG	69.62	69.15	69.03	68.64	68.32	66.02	66.70	66.63	66.45	66.49	66.01	65.30	65.26	64.36	62.84	59.30	59.30	59.25	Available	58.75	56.95	67.71	61.73		
DOWNSTREAM	MAX	69.00	68.20	68.20	67.40	67.00	67.00	66.00	66.00	65.30	65.30	65.30	63.20	63.20	62.90	61.30	58.20	58.10	58.10	No	57.70	56.40			0	0.00%
	MIN	68.20	67.60	67.30	67.00	66.20	65.30	65.30	65.20	65.00	64.80	63.00	62.90	62.80	61.40	59.60	57.80	57.60	57.60	Data	57.00	56.00				
	AVG	68.65	67.88	67.76	67.24	66.73	66.51	65.52	65.42	65.20	65.10	64.46	63.09	63.03	62.28	60.42	58.07	57.81	57.77	Available	57.42	56.27	66.60	60.06		
MELDAHL	MAX	55.58	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
MP 436.2	MIN	55.04	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data
	AVG	55.42	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
MARKLAND***	US-Lock	68.18	67.28	66.56	67.64	67.82	67.64	67.64	68.00	67.82	67.64	64.76	64.76	64.04	62.60	61.52	59.00	58.64	58.46	58.28	57.92	55.94	67.62	60.54	0	0.00%
MP 531.5	DS-Lock	68.18	67.46	66.38	67.64	67.82	67.64	67.64	68.00	67.82	67.64	64.76	64.76	63.86	62.60	61.52	59.00	58.64	58.46	58.28	58.10	55.94	67.62	60.54		
D.O. #1	US-Hydro	68.18	67.28	66.56	67.64	67.82	67.64	67.64	68.00	67.82	67.64	64.76	64.76	63.86	62.60	61.52	59.00	58.64	58.46	58.28	58.10	55.94	67.62	60.54		
	DS-Hydro	68.18	67.64	66.56	67.64	67.82	67.64	67.64	68.00	67.82	67.64	64.76	64.94	64.04	62.78	61.52	32.00	58.64	58.46	58.28	58.10	55.94	67.66	58.13		
McALPINE***	MAX	66.01	66.66	67.27	67.53	66.96	67.82	67.68	67.31	67.09	66.73	66.16	65.54	63.11	62.01	60.48	60.27	59.93	58.38	58.08	No	No			0	0.00%
MP 606.8	MIN	65.56	65.73	66.56	67.00	66.33	67.14	67.15	67.01	66.76	66.19	65.50	64.57	62.09	60.60	59.72	59.56	59.04	58.07	57.40	Data	Data				
	AVG	65.80	66.22	66.91	67.25	66.62	67.43	67.34	67.19	66.88	66.44	65.70	64.90	62.57	61.31	59.98	59.88	59.31	58.18	57.82	Available	Available	66.81	64.09		

Period Average for October 1-15 is 77°F and the Max is 82°F

Period Average for October 16-31 is 72°F and the Max is 77°F

Appendix F: Longitudinal Bacteria Sampling Results

Survey F: Longitudional Bacteria Survey 2003 - 2006

Longitudinal Bacteria Survey Logistics and Details								
Round	**Survey**	**Reach**	**Year**	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**
1	**A**	Upper	2003	Jul 28-31	Aug 4-7	Aug 11-14	Aug 18-21	Aug 25-28
1	**B**	Mid	2003	Sept 29 - Oct 2	Oct 6-9	Oct 13-16	Oct 20-23	Oct 27-30
1	**C**	Lower	2004	May 3-6	May 10-13	May 17-20	May 24-27	June 7-10
2	**D**	Upper	2004	July 26-29	Aug 2-5	Aug 9-12	Aug 16-19	Aug 23-26
2	**F**	Mid	2005	May 9-12	May 16-19	May 23-26	May 30 - Jun 2	Jun 6-9
2	**E**	Lower	2004	Sept 13-16	Sept 20-23	Sept 27-30	Oct 4-7	Oct 11-14
3	**I**	Upper	2006	Sep 11-14	Sep 18-21	Sep 25-28	Oct 2-5	Oct 9-12
3	**G**	Mid	2006	May 22-25	May 30 - Jun 2	Jun 5-8	Jun 12-15	Jun 19-22
3	**H**	Lower	2006	Jul 24-27	Jul 31 - Aug 3	Aug 7-10	Aug 14-17	Aug 21-24
4	**L**	Upper	2007	Sep 24-27				
4	**L**	Mid	2007		Oct 1-4			
4	**L**	Lower	2007			Oct 8-11		

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

Mile Point		Round 1 Monthly Geometric Mean	Round 1 Percent Individual Exceedences		Round 2 Monthly Geometric Mean	Round 2 Percent Individual Exceedences		Round 3 Monthly Geometric Mean	Round 3 Percent Individual Exceedences	Geometric Mean Exceedences
1.5	A	**196**	**46.7**	D	**532**	**53.3**	I	54	0	**exceeds**
3.3	A	**213**	**53.3**	D	**418**	**46.7**	I	88	**20.0**	**exceeds**
6.4	A	**308**	**53.3**	D	**289**	**40.0**	I	59	0	**exceeds**
9.5	A	**198**	**60.0**	D	**381**	**60.0**	I	48	0	**exceeds**
11.4	A	**172**	**53.3**	D	**297**	**53.3**	I	50	6.7	**exceeds**
12.5	A	**180**	**60.0**	D	**238**	**53.3**	I	60	6.7	**exceeds**
14.4	A	**200**	**53.3**	D	**313**	**46.7**	I	56	6.7	**exceeds**
17.7	A	**155**	**60.0**	D	**312**	**46.7**	I	64	**13.3**	**exceeds**
20.5	A	**203**	**60.0**	D	**353**	**66.7**	I	51	0	**exceeds**
20.8	A	**181**	**53.3**	D	**261**	**46.7**	I	50	0	**exceeds**
21.8	A	**161**	**60.0**	D	**226**	**46.7**	I	40	0	**exceeds**
22.9	A	**214**	**60.0**	D	**357**	**66.7**	I	120	**33.3**	**exceeds**
25.5	A	**131**	**40.0**	D	**208**	**46.7**	I	48	0	**exceeds**
25.8	A	**177**	**46.7**	D	**203**	**46.7**	I	55	**13.3**	**exceeds**
26.4	A	**160**	**46.7**	D	**191**	**46.7**	I	59	6.7	**exceeds**
28.3	A	**144**	**46.7**	D	**150**	**46.7**	I	73	**20.0**	**exceeds**
32.9	A	**151**	**60.0**	D	**132**	**40.0**	I	55	**20.0**	**exceeds**
37.6	A	**164**	**64.3**	D	95	**40.0**	I	55	**20.0**	**exceeds**
41.2	A	125	**60.0**	D	94	**40.0**	I	51	**20.0**	
44.8	A	**145**	**60.0**	D	106	**40.0**	I	52	**20.0**	**exceeds**
48.7	A	**135**	**46.7**	D	78	**40.0**	I	54	**20.0**	**exceeds**
52.5	A	103	**53.3**	D	54	7.7	I	36	**20.0**	
56.4	A	**139**	**60.0**	D	58	7.1	I	37	**20.0**	**exceeds**
60.3	A	128	**60.0**	D	69	**13.3**	I	74	**40.0**	
66.4	A	**237**	**66.7**	D	94	**13.3**	I	88	**20.0**	**exceeds**
66.9	A	**194**	**60.0**	D	104	**14.3**	-	-	-	**exceeds**
68.2	-	-	-	-	-	-	I	99	**20.0**	**exceeds**
70.7	A	**170**	**53.3**	D	104	**13.3**	I	73	**20.0**	**exceeds**
71.8	A	**176**	**60.0**	D	**132**	**26.7**	I	74	**20.0**	**exceeds**
74.9	A	110	**40.0**	D	71	6.7	I	48	6.7	
80.2	A	99	**46.7**	D	65	**13.3**	I	36	0	
85.6	A	84	**33.3**	D	46	0	I	31	0	
91.2	A	**151**	**40.0**	D	81	**26.7**	I	48	0	**exceeds**
94.2	A	**228**	**53.3**	D	78	**13.3**	I	36	0	**exceeds**
97.8	A	**202**	**33.3**	D	124	**20.0**	I	40	0	**exceeds**
102.6	A	**154**	**33.3**	D	76	6.7	I	32	0	**exceeds**
107.7	A	121	**20.0**	D	43	0	I	26	0	
113.0	A	67	**20.0**	D	50	0	I	22	0	
118.3	A	49	**20.0**	D	35	0	I	15	0	
123.7	A	55	**20.0**	D	28	0	I	13	0	
124.9	A	44	**20.0**	D	27	0	I	12	0	
129.1	A	65	**20.0**	D	48	6.7	I	15	0	
133.4	A	68	**20.0**	D	47	0	I	21	0	
138.7	A	63	**13.3**	D	51	6.7	I	13	0	
144.2	A	44	**20.0**	D	29	0	I	14	0	
149.6	A	34	**13.3**	D	21	0	I	12	0	
155.0	A	36	**13.3**	D	15	0	I	9	0	
160.4	A	53	0	D	23	0	I	14	0	
165.8	A	70	**13.3**	D	16	0	I	16	6.7	
171.2	A	66	**13.3**	D	15	0	I	12	0	
175.1	A	80	**13.3**	D	18	0	I	19	0	
179.4	A	113	**33.3**	D	16	0	I	17	0	
183.5	A	114	**20.0**	D	18	0	I	16	0	
185.9	A	85	0	D	22	0	I	27	0	
190.8	A	70	0	D	18	0	I	30	6.7	

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 F: E. coli Concentration Data in colonies per 100 mL

Mile Point		Round 1 Monthly Geometric Mean	Round 1 Percent Individual Exceedences		Round 2 Monthly Geometric Mean	Round 2 Percent Individual Exceedences		Round 3 Monthly Geometric Mean	Round 3 Percent Individual Exceedences	Geometric Mean Exceedences
195.7	A	46	0	D	15	0	I	22	0	
200.7	A	43	0	D	16	0	I	17	0	
205.7	A	50	0	D	17	0	I	**157**	**53.3**	**exceeds**
210.7	A	43	0	D	11	0	I	**162**	**53.3**	**exceeds**
215.7	A	42	0	D	10	0	I	**179**	**46.7**	**exceeds**
220.4	A	42	0	D	11	0	I	**176**	**53.3**	**exceeds**
225.4	A	35	0	D	12	0	I	**156**	**40.0**	**exceeds**
230.4	A	30	0	D	11	0	I	113	**40.0**	
235.6	A	28	0	D	14	0	I	**132**	**40.0**	**exceeds**
240.4	A	39	0	D	16	0	I	129	**40.0**	
245.4	A	45	0	D	14	0	I	**150**	**46.7**	**exceeds**
250.4	A	62	6.7	D	30	6.7	I	**213**	**60.0**	**exceeds**
255.5	A	54	0	D	31	6.7	I	**288**	**60.0**	**exceeds**
260.6	A	44	0	D	22	0	I	**256**	**60.0**	**exceeds**
265.7	A	47	0	D	28	0	I	**294**	**60.0**	**exceeds**
269.8	A	74	6.7	D	47	**13.3**	I	**227**	**46.7**	**exceeds**
275.2	A	53	0	D	26	0	I	**148**	**20.0**	**exceeds**
280.8	B	40	0	F	28	0	G	14	0	**exceeds**
280.8	-	-	-	-	-	-	I	**164**	**33.3**	**exceeds**
285.9	B	40	0	F	24	0	G	9	0	**exceeds**
285.9	-	-	-	-	-	-	I	**195**	**46.7**	**exceeds**
291.4	B	38	0	F	20	0	G	8	0	**exceeds**
291.4	-	-	-	-	-	-	I	**175**	**46.7**	**exceeds**
296.6	B	34	0	F	18	0	G	8	0	**exceeds**
296.6	-	-	-	-	-	-	I	**145**	**40.0**	**exceeds**
302.0	B	40	6.7	F	16	0	G	5	0	
307.7	B	57	**20.0**	F	39	6.7	G	24	0	
313.3	B	68	**20.0**	F	58	6.7	G	48	**20.0**	
317.2	B	77	**13.3**	F	53	6.7	G	51	**20.0**	
321.5	B	68	**13.3**	F	36	0	G	58	6.7	
327.4	B	51	**13.3**	F	24	0	G	35	7.1	
327.7	B	67	**20.0**	F	30	0	G	37	**20.0**	
328.0	B	79	**13.3**	F	28	0	G	44	**13.3**	
332.5	B	55	6.7	F	19	0	G	31	0	
338.1	B	49	**13.3**	F	21	0	G	20	0	
343.5	B	45	6.7	F	19	0	G	25	0	
349.2	B	65	**13.3**	F	22	0	G	23	0	
352.0	B	67	**20.0**	F	18	0	G	23	0	
353.8	B	55	6.7	F	18	0	G	26	0	
359.3	B	84	**26.7**	F	19	0	G	41	6.7	
364.6	B	54	**13.3**	F	17	0	G	29	0	
369.8	B	60	**20.0**	F	14	0	G	19	0	
375.0	B	58	**13.3**	F	16	0	G	18	0	
380.4	B	66	**13.3**	F	12	0	G	20	0	
385.4	B	58	**26.7**	F	11	0	G	12	0	
390.6	B	50	**13.3**	F	9	0	G	14	0	
395.0	B	57	**20.0**	F	9	0	G	11	0	
400.4	B	37	6.7	F	11	0	G	8	0	
405.8	B	46	**13.3**	F	13	0	G	16	0	
411.4	B	34	0	F	11	0	G	13	0	
416.4	B	24	0	F	9	0	G	9	0	
421.6	B	21	0	F	8	0	G	7	0	
426.4	B	27	0	F	8	0	G	7	0	
431.4	B	21	0	F	7	0	G	6	0	
436.8	B	24	0	F	7	0	G	13	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 F: E. coli Concentration Data in colonies per 100 mL

Mile Point	Round 1			Round 2			Round 3			
		Monthly Geometric Mean	Percent Individual Exceedences		Monthly Geometric Mean	Percent Individual Exceedences		Monthly Geometric Mean	Percent Individual Exceedences	Geometric Mean Exceedences
441.5	B	24	0	F	7	0	G	6	0	
446.5	B	23	0	F	8	0	G	7	0	
451.6	B	29	0	F	6	0	G	6	0	
455.3	B	32	0	F	6	0	G	22	**13.3**	
460.0	B	25	0	F	5	0	G	14	**13.3**	
465.0	B	42	**13.3**	F	8	0	G	10	0	
468.7	B	65	**20.0**	F	8	0	G	13	0	
472.7	B	84	**26.7**	F	36	6.7	G	40	0	
477.6	B	103	**20.0**	F	42	6.7	G	34	0	
482.2	B	130	**26.7**	F	36	6.7	G	66	**20.0**	
486.2	B	**169**	**20.0**	F	30	0	G	61	**20.0**	**exceeds**
489.7	B	96	**20.0**	F	27	0	G	27	0	
493.2	B	**147**	25	F	28	0	G	34	0	**exceeds**
498.0	B	**134**	**20.0**	F	23	0	G	30	0	**exceeds**
503.1	B	59	0	F	12	0	G	21	0	
508.3	B	52	0	F	10	0	G	13	0	
513.4	B	50	0	F	7	0	G	11	0	
518.5	B	39	6.7	F	8	0	G	10	0	
523.4	B	37	**20.0**	F	5	0	G	9	0	
528.4	B	34	**20.0**	F	5	0	G	8	0	
533.2	B	39	**20.0**	F	6	0	G	8	0	
538.5	B	47	**20.0**	F	7	0	G	8	0	
543.5	B	34	0	F	8	0	G	7	0	
548.3	B	41	0	F	8	0	G	8	0	
553.6	B	41	0	F	7	0	G	6	0	
558.8	B	42	**13.3**	F	8	0	G	6	0	
562.7	B	39	**13.3**	F	6	0	G	10	0	
567.6	B	35	0	F	7	0	G	6	0	
572.5	B	31	0	F	4	0	G	7	0	
577.4	B	31	0	F	5	0	G	5	0	
582.9	B	28	0	F	5	0	G	5	0	
587.8	B	19	0	F	4	0	G	5	0	
592.2	B	21	0	F	5	0	G	7	0	
597.1	B	19	0	F	4	0	G	8	0	
602.2	B	17	0	F	5	0	G	18	6.7	
604.3	B	17	0	F	6	0	G	47	**20.0**	
607.5	B	40	6.7	F	11	0	G	51	**20.0**	**exceeds**
607.5	-	-	-	-	-	-	H	23	0	**exceeds**
609.7	B	39	6.7	F	13	0	G	123	**40.0**	**exceeds**
609.7	-	-	-	-	-	-	H	23	0	**exceeds**
612.2	B	26	0	F	16	0	G	**157**	**20.0**	**exceeds**
612.2	-	-	-	-	-	-	H	26	6.7	**exceeds**
617.6	B	51	**13.3**	F	32	6.7	G	**280**	**60.0**	**exceeds**
617.6	-	-	-	-	-	-	H	63	**20.0**	**exceeds**
623.1	B	57	**13.3**	F	20	6.7	G	**146**	**40.0**	**exceeds**
623.1	-	-	-	-	-	-	H	49	**20.0**	**exceeds**
628.1	B	49	**13.3**	F	30	6.7	G	**209**	**46.7**	**exceeds**
628.1	-	-	-	-	-	-	H	49	**13.3**	**exceeds**
630.0	C	**155**	**40.0**	E	104	**40.0**	-	-	-	**exceeds**
631.6	C	**156**	**40.0**	E	111	**40.0**	G	**819**	66.7	**exceeds**
631.6	-	-	-	-	-	-	H	54	**20.0**	**exceeds**
637.6	C	**180**	**46.7**	E	107	**46.7**	G	**2301**	91.7	**exceeds**
637.6	-	-	-	-	-	-	H	45	**20.0**	**exceeds**
643.1	C	**218**	**60.0**	E	101	**40.0**	G	**472**	58.3	**exceeds**
643.1	-	-	-	-	-	-	H	30	0	**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 F: E. coli Concentration Data in colonies per 100 mL

Mile Point		Round 1 Monthly Geometric Mean	Round 1 Percent Individual Exceedences		Round 2 Monthly Geometric Mean	Round 2 Percent Individual Exceedences		Round 3 Monthly Geometric Mean	Round 3 Percent Individual Exceedences	Geometric Mean Exceedences
648.9	C	**228**	**60.0**	E	95	**33.3**	G	91	11.1	**exceeds**
648.9	-	-	-	-	-	-	H	21	0	**exceeds**
654.0	C	**229**	**53.3**	E	85	**26.7**	H	15	0	**exceeds**
659.2	C	**227**	**53.3**	E	65	**13.3**	H	15	0	**exceeds**
664.2	C	**254**	**60.0**	E	75	**20.0**	H	10	0	**exceeds**
669.1	C	**216**	**60.0**	E	77	**26.7**	H	16	6.7	**exceeds**
674.5	C	**174**	**46.7**	E	66	**26.7**	H	9	**13.3**	**exceeds**
680.4	C	**181**	**53.3**	E	61	**13.3**	H	9	0	**exceeds**
685.6	C	**166**	**46.7**	E	60	0	H	7	0	**exceeds**
690.7	C	**185**	**60.0**	E	52	0	H	6	0	**exceeds**
695.6	C	**148**	**40.0**	E	49	0	H	3	0	**exceeds**
700.9	C	**162**	**46.7**	E	44	0	H	8	0	**exceeds**
706.2	C	**143**	**46.7**	E	35	0	H	5	0	**exceeds**
711.5	C	90	**40.0**	E	33	0	H	6	0	
717.4	C	104	**40.0**	E	34	0	H	4	0	
721.5	C	**200**	**46.7**	E	66	**13.3**	H	3	0	**exceeds**
727.0	C	**182**	**60.0**	E	59	**13.3**	H	5	0	**exceeds**
732.5	C	**182**	**60.0**	E	66	**13.3**	H	14	6.7	**exceeds**
738.8	C	**180**	**40.0**	E	43	0	H	10	0	**exceeds**
742.4	C	**182**	**53.3**	E	44	0	H	8	0	**exceeds**
746.4	C	**167**	**46.7**	E	42	0	H	5	0	**exceeds**
750.6	C	**162**	**46.7**	E	39	0	H	9	0	**exceeds**
754.8	C	**166**	**40.0**	E	44	0	H	9	0	**exceeds**
758.0	C	**158**	**40.0**	E	64	6.7	H	26	**20.0**	**exceeds**
763.2	C	**144**	**40.0**	E	35	0	H	56	**20.0**	**exceeds**
769.1	C	**156**	**40.0**	E	33	0	H	16	0	**exceeds**
773.6	C	**156**	**40.0**	E	30	6.7	H	11	0	**exceeds**
778.2	C	**141**	**33.3**	E	35	0	H	15	0	**exceeds**
782.8	C	**136**	**40.0**	E	39	0	H	18	0	**exceeds**
787.0	C	124	**33.3**	E	35	0	H	10	0	
792.7	C	**135**	**26.7**	E	36	0	H	14	6.7	**exceeds**
794.2	C	**153**	**33.3**	E	53	6.7	H	25	6.7	**exceeds**
799.5	-	-	-	-	-	-	H	31	**20.0**	**exceeds**
800.0	C	**152**	**40.0**	E	92	**20.0**	-	-	-	**exceeds**
805.8	C	**144**	**33.3**	E	43	0	H	34	**20.0**	**exceeds**
811.3	C	**177**	**40.0**	E	59	0	H	45	6.7	**exceeds**
817.0	C	**222**	**53.3**	E	70	6.7	H	19	0	**exceeds**
823.2	C	**257**	**73.3**	E	69	0	H	17	0	**exceeds**
829.5	C	**204**	**53.3**	E	60	0	H	12	0	**exceeds**
832.2	C	**162**	**26.7**	E	45	0	H	29	0	**exceeds**
837.2	C	**137**	**40.0**	E	41	0	H	20	0	**exceeds**
842.3	C	**140**	**26.7**	E	40	0	H	12	0	**exceeds**
846.5	C	120	**26.7**	E	49	6.7	H	14	0	
851.3	C	115	**13.3**	E	46	0	H	13	0	
855.5	C	120	**20.0**	E	40	0	H	10	0	
859.7	C	118	**20.0**	E	42	0	H	7	0	
864.4	C	106	**26.7**	E	42	0	H	5	0	
869.8	C	113	**26.7**	E	43	0	H	4	0	
875.7	C	78	**20.0**	E	36	0	H	5	0	
880.7	C	65	**20.0**	E	25	0	H	4	0	
885.0	C	66	6.7	E	26	0	H	3	0	
889.2	C	51	6.7	E	32	0	H	3	0	
891.7	C	48	6.7	E	27	0	H	2	0	
897.5	C	82	**33.3**	E	17	0	H	3	0	
903.2	C	80	**40.0**	E	16	0	H	2	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 F: E. coli Concentration Data in colonies per 100 mL

Mile Point		Round 1 Monthly Geometric Mean	Round 1 Percent Individual Exceedences		Round 2 Monthly Geometric Mean	Round 2 Percent Individual Exceedences		Round 3 Monthly Geometric Mean	Round 3 Percent Individual Exceedences	Geometric Mean Exceedences
908.0	C	72	**26.7**	E	19	0	H	2	0	
912.6	C	46	6.7	E	14	0	H	2	0	
917.6	C	58	**20.0**	E	14	0	H	2	0	
923.4	C	53	**20.0**	E	15	0	H	2	0	
928.2	C	43	6.7	E	13	0	H	4	0	
932.2	C	36	0	E	12	0	H	2	0	
936.2	C	31	0	E	16	0	H	5	0	
937.7	C	31	0	E	15	0	H	4	0	
940.9	C	32	0	E	16	0	H	6	0	
944.2	C	28	0	E	15	0	H	4	0	
947.5	C	32	6.7	E	17	0	H	4	0	
952.2	C	33	6.7	E	21	0	H	4	0	
957.7	C	39	6.7	E	16	0	H	4	0	
963.0	C	33	6.7	E	18	0	H	3	0	
969.2	C	34	7.1	E	21	0	H	5	0	
974.1	C	32	6.7	E	18	0	H	6	0	
979.2	C	34	6.7	E	19	0	H	11	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey A																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
1.5	**400**	**320**	**710**	178	238	**267**	**750**	**820**	**790**	191	119	152	24	25	24	196	7
3.3	**430**	**370**	**400**	**285**	235	**445**	**960**	**750**	**1330**	185	144	162	22	19	26	213	8
6.4	**270**	**340**	**370**	222	**432**	**421**	**1110**	**960**	**1040**	108	185	139	172	148	194	308	8
9.5	**690**	173	**720**	**335**	**450**	**490**	**800**	**960**	**1010**	**242**	172	146	3	21	16	198	9
11.4	**370**	218	**670**	**386**	**345**	**380**	**540**	**820**	**880**	228	125	99	12	10	9	172	8
12.5	**490**	**264**	**810**	**378**	**309**	**386**	**620**	**930**	**990**	194	173	147	5	12	8	180	9
14.4	**890**	200	**440**	**435**	**357**	**740**	**645**	**720**	**500**	192	143	238	14	15	11	200	8
17.7	**610**	**410**	**630**	**502**	**450**	**930**	**459**	**760**	**480**	99	93	89	3	5	12	155	9
20.5	**990**	**680**	**660**	**770**	**700**	**1040**	**535**	**635**	**770**	98	111	114	3	6	26	203	9
20.8	**1220**	**1300**	109	**1110**	**750**	**750**	**465**	**504**	**580**	93	98	199	6	7	6	181	8
21.8	**1190**	**640**	**1190**	**1260**	**960**	**990**	**380**	**496**	**500**	46	105	115	2	5	2	161	9
22.9	**1220**	**1210**	**880**	**1350**	**1080**	**606**	**1350**	**565**	**469**	108	80	228	6	5	4	214	9
25.5	240	200	173	**1150**	**770**	**647**	**599**	**410**	**479**	50	73	82	14	7	4	131	6
25.8	170	**1190**	**1660**	193	**379**	**1300**	**561**	**385**	**520**	67	78	87	10	14	24	177	7
26.4	200	200	**1470**	**365**	**276**	**521**	**526**	**518**	**540**	96	93	131	11	14	14	160	7
28.3	**264**	**350**	**1560**	223	**324**	**600**	214	**383**	**504**	70	89	86	14	11	12	144	7
32.9	**255**	**560**	**1920**	**450**	**512**	**395**	**419**	**580**	**511**	74	80	75	5	8	8	151	9
37.6	**420**	**700**	**1300**	**486**	**547**	**620**	**455**	**299**	**328**	51	53	47	6	5	-	164	9
41.2	**440**	**580**	**910**	**518**	**500**	**526**	**260**	**337**	**288**	64	50	47	10	5	5	125	9
44.8	**1020**	**1050**	**1470**	**529**	**540**	**580**	**248**	**253**	**244**	28	73	68	7	11	6	145	9
48.7	**1790**	**1080**	**680**	**448**	**605**	**562**	214	**325**	192	33	34	53	5	9	13	135	7
52.5	**530**	**720**	**650**	**534**	**493**	**368**	**285**	**248**	240	34	28	22	9	7	3	103	8
56.4	**930**	**1330**	**1020**	**630**	**640**	**572**	**533**	**253**	**294**	33	29	38	9	6	6	139	9
60.3	**1240**	**810**	**880**	**660**	**534**	**399**	**341**	**408**	**386**	28	29	19	7	8	7	128	9
66.4	**1173**	**860**	**1970**	**660**	**505**	**534**	**385**	**296**	**247**	70	34	32	50	34	**320**	237	10
66.9	**1370**	**1350**	**1550**	**670**	**430**	**559**	**566**	**278**	**295**	74	25	26	33	28	21	194	9
70.7	**1350**	**1682**	**1670**	**437**	**495**	**445**	**260**	**422**	234	42	35	29	24	23	13	170	8
71.8	**1660**	**1500**	**1700**	**417**	**328**	**381**	**425**	**406**	**405**	46	26	45	8	24	30	176	9
74.9	**1150**	**3080**	**2280**	**326**	**266**	**264**	201	158	238	41	17	12	6	5	12	110	6
80.2	**1110**	**2190**	**1790**	192	**492**	**345**	**276**	210	**243**	21	15	24	4	5	3	99	7
85.6	**630**	**340**	**560**	167	**249**	**262**	152	167	126	24	28	26	12	10	9	84	5
91.2	**575**	**480**	**655**	**274**	236	150	118	**330**	162	21	27	52	221	6	**1080**	151	6
94.2	**630**	**558**	**750**	**249**	208	**291**	162	153	166	21	30	70	**498**	**402**	**1609**	228	8
97.8	**585**	**385**	**583**	166	178	155	139	128	147	29	34	118	**910**	148	**1550**	202	5
102.6	**466**	**461**	**580**	172	147	**276**	135	132	172	21	38	35	**515**	173	102	154	5
107.7	**1020**	**655**	**641**	147	112	150	114	162	115	34	32	22	155	55	40	121	3
113.0	**545**	**910**	**648**	126	114	152	91	140	67	20	13	34	12	5	7	67	3
118.3	**327**	**519**	**568**	93	68	114	142	93	104	20	10	16	6	3	4	49	3

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 F: E. coli Concentration Data in Colonies per 100 mL

Survey A																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
123.7	**408**	**590**	**830**	68	99	112	73	93	86	20	19	26	8	9	2	55	3
124.9	**295**	**367**	**582**	84	91	102	86	99	93	28	13	5	5	5	2	44	3
129.1	**555**	**610**	**447**	105	90	89	99	131	102	17	19	21	15	8	10	65	3
133.4	**365**	**487**	**435**	26	69	131	127	96	86	51	26	24	42	7	18	68	3
138.7	**326**	235	**285**	111	77	47	91	58	36	147	25	22	25	17	17	63	2
144.2	**447**	**345**	**309**	86	82	56	93	63	43	19	10	8	12	8	6	44	3
149.6	**344**	**244**	218	73	108	120	46	51	88	10	7	8	1	3	13	34	2
155.0	**342**	233	**269**	93	105	86	53	52	50	16	19	12	7	2	2	36	2
160.4	205	169	238	91	114	102	66	135	58	25	31	17	7	15	13	53	0
165.8	**337**	**365**	205	179	119	115	108	101	79	25	26	24	95	5	13	70	2
171.2	**291**	178	**308**	148	148	144	111	96	127	17	14	31	20	20	**<10**	76	2
175.1	144	**250**	194	167	178	**306**	122	105	172	17	16	58	**<10**	30	55	93	2
179.4	179	140	**249**	113	**261**	**522**	75	98	**281**	18	18	42	36	**300**	200	113	5
183.5	167	172	170	**260**	172	**619**	210	69	79	13	21	34	**500**	100	**<100**	115	3
185.9	236	178	127	142	125	135	40	96	96	45	34	52	68	38	93	85	0
190.8	184	156	156	105	142	127	99	84	89	38	29	26	44	30	21	70	0
195.7	-	60	179	113	102	184	80	69	33	33	28	13	18	18	12	46	0
200.7	69	88	91	115	107	122	70	114	79	23	23	19	8	12	7	43	0
205.7	231	140	121	117	163	147	118	91	138	19	25	16	7	6	6	50	0
210.7	121	144	104	148	140	153	76	166	56	17	12	16	5	8	6	43	0
215.7	115	135	98	141	128	167	75	117	99	6	20	15	10	6	6	42	0
220.4	138	108	96	161	161	127	108	99	86	23	21	9	3	7	6	42	0
225.4	114	86	84	124	126	116	101	70	86	14	14	8	7	4	4	35	0
230.4	90	53	59	126	114	114	73	58	47	11	8	8	6	5	7	30	0
235.6	82	62	56	75	71	166	47	58	38	13	13	8	6	3	6	28	0
240.4	118	105	156	225	172	185	53	33	70	13	16	**<10**	6	3	11	43	0
245.4	72	114	105	138	220	128	79	108	93	12	17	15	7	10	10	45	0
250.4	93	102	**1420**	150	199	140	86	91	146	11	22	16	12	19	13	62	1
255.5	78	107	154	132	173	238	79	102	116	10	22	23	14	8	26	54	0
260.6	15	88	109	133	138	179	73	93	127	24	15	21	8	13	15	44	0
265.7	140	91	68	155	238	172	56	39	39	17	19	9	46	12	15	47	0
269.8	**249**	79	231	115	118	124	46	78	111	15	50	73	93	15	46	74	1
275.2	77	83	178	155	206	135	42	78	50	16	21	17	49	16	21	53	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey B																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
280.8	101	89	70	25	18	17	6	14	14	60	79	61	74	83	115	40	0
285.9	93	99	64	28	18	25	11	14	14	66	66	56	61	34	156	40	0
291.4	162	111	98	15	16	19	8	19	7	68	68	44	114	24	118	38	0
296.6	153	118	120	26	24	32	6	5	10	75	50	70	24	12	91	34	0
302.0	162	153	91	19	26	31	4	6	6	35	79	65	**1020**	15	83	40	1
307.7	**336**	162	96	**244**	23	24	24	7	5	118	82	78	**560**	11	84	57	3
313.3	**452**	85	111	52	30	21	27	5	30	84	93	82	**1310**	29	**256**	68	3
317.2	**503**	105	114	57	30	37	20	11	24	137	122	75	**1470**	79	72	77	2
321.5	**378**	184	108	33	27	51	8	17	19	47	83	69	**1250**	196	56	68	2
327.4	168	96	105	41	25	17	7	5	13	49	105	51	**375**	**285**	99	51	2
327.7	**305**	120	80	67	32	17	7	12	10	70	64	58	**2220**	**397**	109	67	3
328.0	**304**	132	74	69	35	54	9	8	68	73	53	56	**1470**	227	214	79	2
332.5	196	210	88	24	35	23	16	13	5	42	59	43	**547**	126	220	55	1
338.1	**276**	135	89	39	18	19	14	15	5	36	51	44	**446**	108	119	49	2
343.5	102	111	126	24	22	29	8	15	1	81	67	41	**424**	213	128	45	1
349.2	131	125	138	30	28	45	12	11	29	52	55	35	**325**	210	**642**	65	2
352.0	186	102	152	28	32	52	55	6	10	54	75	62	**252**	**264**	**315**	67	3
353.8	118	91	96	36	29	38	12	6	12	60	68	66	236	163	**402**	55	1
359.3	130	**242**	**530**	26	55	57	9	29	32	47	56	77	190	**469**	**358**	84	4
364.6	84	98	**429**	32	40	53	1	17	24	43	60	76	131	140	**294**	54	2
369.8	179	**337**	**473**	24	37	37	4	12	21	37	50	57	130	130	**265**	60	3
375.0	133	**363**	**640**	26	40	43	5	10	11	50	74	39	101	129	201	58	2
380.4	205	**406**	**575**	34	27	21	15	17	11	60	73	58	64	201	236	66	2
385.4	**345**	**638**	**420**	20	35	19	7	7	4	36	53	60	111	223	**356**	58	4
390.6	172	**429**	**485**	47	29	26	8	6	12	27	25	40	89	112	156	50	2
395.0	**449**	**387**	**269**	30	28	28	8	5	10	47	34	51	196	132	201	57	3
400.4	131	199	**249**	28	15	26	1	9	8	23	49	36	112	139	112	37	1
405.8	190	**244**	**365**	24	26	23	7	10	16	25	31	26	135	114	96	46	2
411.4	75	133	186	29	27	33	23	7	8	36	20	16	50	69	38	34	0
416.4	166	96	93	27	28	20	6	12	5	19	17	26	13	30	15	24	0
421.6	145	115	91	17	12	11	10	5	4	34	25	23	19	23	15	21	0
426.4	125	126	192	11	7	93	11	8	5	30	25	15	33	23	30	27	0
431.4	140	102	105	11	24	12	5	5	5	31	16	28	43	14	17	21	0
436.8	127	141	49	15	15	13	9	13	18	24	32	17	35	12	21	24	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey B																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
441.5	105	138	72	18	15	15	7	7	8	34	25	25	26	26	22	24	0
446.5	147	96	89	26	15	19	7	3	7	22	25	17	37	25	18	23	0
451.6	156	135	102	14	14	20	30	26	13	22	16	15	34	29	23	29	0
455.3	105	54	84	15	26	10	78	17	46	27	28	22	28	35	25	32	0
460.0	102	88	79	16	23	14	24	5	24	32	19	26	16	36	14	25	0
465.0	105	93	101	17	16	15	60	**245**	**277**	28	13	26	28	14	39	42	2
468.7	73	91	147	9	19	30	**830**	**800**	**910**	24	24	29	29	16	58	65	3
472.7	61	73	81	24	26	12	**1150**	**577**	**620**	21	20	25	118	**630**	82	84	4
477.6	96	76	80	20	16	17	**2910**	**2490**	**1660**	19	30	59	200	40	145	103	3
482.2	75	60	101	22	15	33	**8660**	**2490**	**7700**	20	38	38	127	64	**260**	130	4
486.2	68	89	132	11	20	51	**4880**	**15530**	**15530**	20	29	76	209	120	227	169	3
489.7	105	99	190	16	36	58	**475**	**760**	**810**	24	45	84	36	127	70	96	3
493.2	108	144	199	21	30	76	**880**	**780**	**1040**	-	-	-	50	86	225	147	3
498.0	125	232	226	14	25	93	**1080**	**960**	**610**	42	40	93	105	179	214	134	3
503.1	93	91	132	12	37	37	34	68	26	59	26	41	162	214	169	59	0
508.3	79	119	96	11	10	33	40	47	69	23	28	50	181	190	112	52	0
513.4	79	50	59	28	26	40	41	26	29	32	36	35	156	199	126	50	0
518.5	50	75	68	17	25	17	9	22	12	28	30	32	148	150	**260**	39	1
523.4	57	46	68	11	13	26	5	7	15	26	28	29	**356**	**318**	**435**	37	3
528.4	53	44	116	12	7	8	8	13	13	16	15	26	**451**	**354**	**334**	34	3
533.2	55	101	90	14	20	24	10	4	8	13	28	19	**561**	**418**	**436**	39	3
538.5	88	96	93	20	27	22	10	11	12	24	24	19	**510**	**333**	**477**	47	3
543.5	84	99	74	15	17	15	13	9	20	12	24	11	214	142	166	34	0
548.3	96	66	101	41	20	33	68	6	24	15	15	8	194	110	213	41	0
553.6	101	84	122	14	18	21	42	8	46	15	6	24	197	210	228	41	0
558.8	99	72	64	14	17	15	19	7	194	14	10	36	**276**	**261**	171	42	2
562.7	80	84	88	16	23	20	19	7	63	10	8	15	**249**	220	**265**	39	2
567.6	108	86	60	17	17	12	12	26	40	10	8	15	150	222	166	35	0
572.5	86	81	64	9	23	12	16	23	33	11	12	5	105	201	167	31	0
577.4	102	91	71	11	11	12	12	23	37	11	12	10	86	148	155	31	0
582.9	75	88	91	11	18	13	24	12	22	8	17	14	31	140	66	28	0
587.8	68	79	48	3	8	6	26	15	29	12	11	7	18	58	46	19	0
592.2	81	86	63	5	11	6	14	19	40	13	13	14	23	55	20	21	0
597.1	79	86	62	11	8	13	68	61	15	11	9	5	8	17	6	19	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey B																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
602.2	75	70	54	12	50	9	12	11	12	9	7	11	7	16	20	17	0
604.3	86	72	108	58	5	12	11	7	14	9	5	13	14	12	15	17	0
607.5	165	138	125	203	14	24	**422**	39	14	18	14	15	25	19	17	40	1
609.7	119	133	98	119	31	15	**250**	162	15	26	12	14	20	12	15	39	1
612.2	140	100	60	101	19	15	76	11	15	11	8	17	12	18	16	26	0
617.6	136	136	110	161	31	24	**1420**	20	24	20	14	15	**350**	12	16	51	2
623.1	200	100	110	185	33	11	**1860**	35	30	19	17	12	**624**	15	20	57	2
628.1	192	93	108	**447**	43	7	**1010**	22	34	24	15	7	89	28	15	49	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey C																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
630.0	**1110**	**790**	**561**	63	22	36	**2280**	24	15	138	105	111	**516**	**272**	162	155	6
631.6	**3650**	**630**	**628**	54	27	31	**1920**	22	10	68	104	184	**511**	167	**260**	156	6
637.6	**1440**	**1140**	**525**	40	58	20	75	57	**570**	79	178	86	**423**	**425**	**317**	180	7
643.1	**1020**	**1010**	**780**	38	42	24	**412**	**406**	**640**	73	108	74	**345**	**450**	**387**	218	9
648.9	**1200**	**1140**	**780**	47	22	28	**539**	**690**	**603**	91	104	125	**282**	**355**	**291**	228	9
654.0	**1220**	**930**	**790**	39	35	33	**790**	**510**	**900**	127	96	81	161	**317**	**329**	229	8
659.2	**1190**	**990**	**990**	22	34	26	**720**	**921**	**1310**	114	73	93	**323**	**322**	142	227	8
664.2	**1120**	**820**	**2010**	60	27	37	**459**	**601**	**530**	228	84	78	**548**	**332**	**273**	254	9
669.1	**1090**	**780**	**1370**	38	25	26	**346**	**495**	**428**	100	75	70	**392**	**442**	**533**	216	9
674.5	**1120**	**960**	**930**	23	21	25	**247**	**341**	198	86	133	91	**285**	**304**	231	174	7
680.4	**1220**	**1440**	**790**	36	22	16	**305**	216	**276**	114	82	72	**252**	**375**	**365**	181	8
685.6	**866**	**1120**	**910**	23	19	15	**252**	233	194	98	82	101	**341**	**388**	**288**	166	7
690.7	**990**	**1130**	**990**	26	26	19	**248**	**337**	**261**	74	133	117	**311**	**325**	**291**	185	9
695.6	**720**	**580**	**561**	18	20	13	185	166	238	80	117	64	**472**	**384**	**424**	148	6
700.9	**780**	**780**	**652**	23	28	16	**260**	127	179	100	88	58	**505**	**414**	**554**	162	7
706.2	**690**	**630**	**652**	20	10	25	192	**248**	93	70	50	48	**413**	**700**	**727**	143	7
711.5	**537**	**548**	**490**	27	15	11	61	60	41	24	40	25	**440**	**575**	**370**	90	6
717.4	**500**	**620**	**577**	20	22	16	42	59	38	34	58	43	**410**	**710**	**572**	104	6
721.5	**682**	**840**	**910**	19	18	18	120	108	84	**1020**	**1170**	**710**	**274**	201	199	200	7
727.0	**760**	**622**	**830**	20	17	15	71	91	86	**524**	**730**	**590**	**420**	**268**	**275**	182	9
732.5	**800**	**580**	**658**	18	12	113	48	50	166	**303**	**481**	**249**	**396**	**328**	**590**	182	9
738.8	**780**	**615**	**710**	27	28	117	105	50	95	205	196	236	**346**	**306**	**440**	180	6
742.4	**680**	**750**	**480**	18	24	91	70	38	**313**	**337**	152	202	**573**	**341**	**498**	182	8
746.4	**670**	**573**	**614**	16	14	46	81	72	144	**445**	185	144	**525**	**506**	**336**	167	7
750.6	**680**	**690**	**730**	11	22	50	101	45	147	**314**	125	131	**353**	**605**	**485**	162	7
754.8	**560**	**730**	**710**	22	27	49	116	91	99	104	162	204	**370**	**514**	**361**	166	6
758.0	**860**	**480**	**910**	17	23	22	104	70	167	108	119	233	**630**	**370**	**349**	158	6
763.2	**770**	**840**	**677**	10	15	19	81	67	172	170	93	185	**433**	**434**	**365**	144	6
769.1	**661**	**1070**	**680**	15	19	38	117	101	93	115	91	101	**620**	**414**	**507**	156	6
773.6	**820**	**830**	**1140**	20	20	12	104	96	201	151	77	135	**482**	**388**	**372**	156	6
778.2	**600**	**840**	**1080**	16	19	33	120	105	93	130	77	98	**327**	**353**	225	141	5
782.8	**700**	**545**	**650**	19	17	28	108	105	91	144	111	83	**283**	**331**	**326**	136	6
787.0	**780**	**680**	**612**	30	15	27	48	76	96	132	91	99	185	**305**	**260**	124	5
792.7	**590**	**437**	**700**	36	20	32	156	192	123	118	64	52	214	**391**	172	135	4

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 F: E. coli Concentration Data in Colonies per 100 mL

Survey C																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
794.2	**605**	**539**	**540**	52	16	116	147	201	141	158	82	42	198	**245**	**328**	153	5
800.0	**580**	**580**	**660**	22	22	46	192	140	155	71	133	82	**310**	**460**	**250**	152	6
805.8	**501**	**491**	**475**	24	30	49	102	162	126	79	70	86	234	**481**	**528**	144	5
811.3	**431**	**547**	**575**	99	35	41	**375**	228	135	199	65	88	**275**	**327**	225	177	6
817.0	**461**	**623**	**352**	133	41	28	220	101	61	**299**	**597**	**1350**	231	**269**	**517**	222	8
823.2	**385**	**529**	**553**	**378**	102	24	**295**	240	31	**427**	**441**	**980**	**318**	**398**	**272**	257	11
829.5	**340**	**330**	**365**	127	120	35	228	214	58	**585**	**308**	**294**	**295**	**299**	154	204	8
832.2	**346**	**399**	**494**	56	41	28	185	162	76	**575**	206	132	201	228	201	162	4
837.2	**372**	**540**	**287**	39	31	18	79	98	52	**383**	**248**	228	**339**	222	133	137	6
842.3	**580**	**503**	**423**	61	15	21	43	66	67	**2360**	240	150	88	217	229	140	4
846.5	**600**	**567**	**321**	30	17	36	82	82	53	91	172	228	196	**265**	113	120	4
851.3	**585**	**423**	225	52	34	49	60	56	32	132	172	186	120	219	135	115	2
855.5	**476**	**350**	219	42	37	30	68	79	52	**345**	126	178	173	167	152	120	3
859.7	**495**	**540**	**345**	51	40	19	55	96	42	229	108	172	179	161	121	118	3
864.4	**352**	**383**	200	36	29	38	46	57	36	**285**	131	**244**	170	91	161	106	4
869.8	**530**	**358**	**283**	28	26	20	73	49	24	**1940**	152	119	133	185	102	113	4
875.7	**360**	**295**	**275**	28	16	15	47	47	28	147	101	127	135	101	82	78	3
880.7	**263**	**359**	201	20	10	10	52	28	13	**533**	39	111	124	98	72	65	3
885.0	220	**308**	172	10	17	22	38	38	25	122	57	145	131	124	80	66	1
889.2	**357**	238	233	11	12	15	35	29	17	20	53	60	120	86	91	51	1
891.7	**255**	144	190	7	12	20	26	25	16	57	34	52	140	121	74	48	1
897.5	172	**249**	166	17	6	9	26	43	10	**596**	**572**	**281**	**270**	170	140	82	5
903.2	172	**241**	126	13	9	10	17	17	13	**670**	**631**	**441**	**303**	**249**	114	80	6
908.0	222	196	**387**	12	6	9	17	13	12	**600**	**401**	**249**	185	210	93	72	4
912.6	131	158	116	13	5	6	5	18	8	203	**274**	228	98	114	91	46	1
917.6	238	214	167	12	8	7	14	16	5	**256**	**381**	**333**	133	122	75	58	3
923.4	137	167	**291**	11	12	10	5	10	17	129	**403**	**261**	135	75	91	53	3
928.2	70	**261**	111	6	10	9	7	15	15	107	238	86	102	113	74	43	1
932.2	102	160	96	9	12	7	10	10	9	93	75	99	74	79	52	36	0
936.2	47	150	88	20	3	11	-	5	23	64	73	48	104	15	53	31	0
937.7	96	130	142	10	4	12	7	4	14	118	74	38	41	65	70	31	0
940.9	68	108	84	12	6	6	11	11	28	93	54	75	33	53	55	32	0
944.2	45	91	111	20	5	11	7	6	13	96	34	121	26	53	36	28	0
947.5	83	118	99	8	5	16	13	9	6	**328**	59	53	33	70	43	32	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey C																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
952.2	66	58	82	25	10	6	3	9	15	**377**	70	44	96	44	57	33	1
957.7	41	77	81	38	9	19	8	9	19	**524**	40	132	56	48	35	39	1
963.0	68	77	75	8	13	12	7	6	32	60	44	**305**	40	50	56	33	1
969.2	30	55	74	5	8	25	3	7	-	**273**	112	191	47	71	41	34	1
974.1	39	64	62	6	4	20	14	6	24	166	64	**299**	40	40	50	32	1
979.2	66	65	72	17	4	**309**	8	12	11	47	31	112	51	36	44	34	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey D																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
1.5	**8160**	**12030**	**4880**	**387**	188	**326**	206	145	158	137	147	158	**1190**	**539**	**698**	532	8
3.3	**6490**	**7700**	**2380**	186	138	**242**	140	172	158	172	180	59	**720**	**580**	**960**	418	7
6.4	**470**	**680**	**1140**	214	197	156	78	178	114	89	190	110	**1090**	**710**	**1480**	289	6
9.5	**6300**	**2360**	**3450**	**247**	148	**425**	132	72	35	**281**	60	60	**1080**	**1080**	**1660**	381	9
11.4	**2600**	**273**	**497**	197	186	215	**421**	135	66	**365**	161	53	**640**	**880**	**670**	297	8
12.5	**1280**	**534**	**2060**	**344**	119	**294**	96	93	87	69	69	20	**820**	**780**	**560**	238	8
14.4	**2760**	**1310**	**1720**	230	**250**	233	152	124	77	141	65	39	**600**	**1020**	**1010**	313	7
17.7	**2250**	**2600**	**2720**	221	201	**493**	114	96	93	55	82	36	**750**	**670**	**880**	312	7
20.5	**1370**	**608**	**2380**	**325**	**259**	**572**	89	98	180	34	64	**500**	**830**	**1310**	**930**	353	10
20.8	**1560**	**523**	**1780**	238	172	**339**	30	78	198	46	46	93	**810**	**910**	**1330**	261	7
21.8	**1973**	**477**	**2720**	195	214	**410**	50	75	84	27	38	34	**690**	**540**	**1180**	226	7
22.9	**1850**	**960**	**1780**	**520**	**346**	**561**	48	118	169	**269**	46	18	**1290**	**1660**	**1350**	357	10
25.5	**1010**	**1530**	**1530**	178	173	**455**	101	82	99	26	23	13	**466**	**602**	**1040**	208	7
25.8	**1120**	**1290**	**1410**	122	201	**332**	115	67	122	28	17	20	**539**	**640**	**800**	203	7
26.4	**930**	**1370**	**3040**	132	204	**261**	88	88	99	15	19	20	**425**	**480**	**700**	191	7
28.3	**470**	**930**	**1790**	130	**248**	227	73	82	56	17	15	12	**450**	**445**	**388**	150	7
32.9	**620**	**770**	**930**	143	167	210	62	50	49	13	12	11	**485**	**458**	**505**	132	6
37.6	**444**	**614**	**930**	107	219	107	15	32	35	8	8	8	**422**	**423**	**465**	95	6
41.2	**481**	**515**	**630**	118	119	107	33	26	28	10	8	10	**502**	**386**	**425**	94	6
44.8	**480**	**639**	**514**	150	147	201	41	31	38	6	11	30	**400**	**295**	**313**	106	6
48.7	**260**	**345**	**255**	186	156	127	37	48	20	5	13	3	**290**	**320**	**450**	78	6
52.5	150	167	**320**	108	-	-	32	38	19	4	10	6	179	173	222	54	1
56.4	133	144	137	-	201	105	31	24	24	23	5	5	225	**275**	152	58	1
60.3	**357**	161	**279**	99	162	192	28	22	49	5	10	7	205	190	190	69	2
66.4	**318**	228	166	205	125	143	38	35	48	34	20	21	**298**	209	150	94	2
66.9	**437**	167	130	228	135	117	63	-	70	26	17	25	237	**304**	145	104	2
70.7	**246**	173	231	**730**	124	179	142	51	53	14	20	26	150	115	238	104	2
71.8	**429**	158	192	**305**	206	198	**552**	**422**	47	18	28	26	147	172	113	132	4
74.9	222	144	**608**	153	93	175	120	25	25	13	8	12	80	120	153	71	1
80.2	**432**	**247**	178	185	219	162	32	55	24	6	5	7	98	86	133	65	2
85.6	178	219	166	140	153	147	19	25	12	7	7	4	108	54	64	46	0
91.2	**256**	206	153	86	84	96	**254**	11	**860**	10	10	24	68	78	**260**	81	4
94.2	184	180	**304**	99	101	67	82	210	**272**	5	7	20	101	61	143	78	2
97.8	222	125	138	121	105	127	**590**	**331**	**602**	93	21	19	127	83	84	124	3

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 F: E. coli Concentration Data in Colonies per 100 mL

Survey D																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
102.6	**354**	96	152	96	119	118	150	75	96	16	9	21	98	84	78	76	1
107.7	129	202	219	137	116	82	10	12	19	7	6	10	72	96	64	43	0
113.0	236	236	236	144	108	116	47	13	13	8	10	5	122	63	57	50	0
118.3	137	236	225	72	121	99	12	9	4	5	7	6	47	93	56	35	0
123.7	133	137	166	75	111	96	12	9	4	2	4	3	46	64	74	28	0
124.9	128	135	121	80	105	80	10	7	4	5	3	3	65	62	55	27	0
129.1	123	112	117	99	104	88	**277**	26	41	8	5	6	64	48	52	48	1
133.4	119	74	117	65	65	72	147	75	101	6	6	6	131	51	24	47	0
138.7	123	91	80	84	75	86	124	11	8	**614**	3	14	231	50	30	51	1
144.2	96	101	114	73	50	54	22	20	3	12	7	6	58	26	32	29	0
149.6	91	88	62	38	52	57	6	4	7	14	6	2	28	23	79	21	0
155.0	47	89	51	40	48	46	3	3	1	3	3	5	120	21	29	15	0
160.4	25	35	23	41	72	53	26	20	19	5	3	11	35	32	63	23	0
165.8	29	17	15	44	63	49	25	7	6	2	3	2	56	59	31	16	0
171.2	10	15	15	21	50	30	14	17	9	**<1**	3	3	53	71	60	18	0
175.1	17	20	21	24	60	65	11	6	12	4	5	1	93	119	59	18	0
179.4	15	18	26	16	34	56	8	5	15	1	6	5	62	64	93	16	0
183.5	26	36	11	24	26	44	11	5	16	3	5	5	77	69	91	18	0
185.9	32	30	14	21	27	37	38	21	19	7	6	5	40	61	60	22	0
190.8	18	15	17	20	40	26	20	19	19	5	5	3	61	50	56	18	0
195.7	17	11	7	14	22	28	30	20	15	1	10	2	70	74	55	15	0
200.7	17	16	10	20	27	31	35	38	34	**<1**	2	4	48	50	34	20	0
205.7	24	24	11	20	21	21	17	23	17	10	2	4	56	42	38	17	0
210.7	15	10	14	17	19	20	8	15	13	**<1**	1	4	45	35	40	13	0
215.7	12	15	38	26	11	29	5	6	5	**<1**	1	2	44	49	38	12	0
220.4	18	12	24	29	20	16	6	2	13	**<1**	**<1**	4	48	52	39	15	0
225.4	19	20	14	20	13	13	11	4	5	10	**<1**	2	51	44	47	14	0
230.4	16	11	15	36	26	13	5	5	5	2	2	1	56	54	45	11	0
235.6	34	11	33	31	24	20	3	2	5	10	4	5	57	52	62	14	0
240.4	24	24	32	37	60	54	4	5	2	5	2	5	64	63	99	16	0
245.4	31	26	26	31	33	23	6	1	2	3	2	7	84	74	160	14	0
250.4	26	25	99	36	30	23	5	5	36	8	3	**2360**	51	54	80	30	1
255.5	22	31	56	32	35	60	5	2	56	15	28	21	40	96	**543**	31	1
260.6	24	22	26	21	23	36	11	13	8	3	9	8	64	219	158	22	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey D																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
265.7	34	28	36	46	23	38	13	6	23	17	14	31	89	53	52	28	0
269.8	133	25	28	**308**	39	30	26	23	56	4	6	50	**360**	101	202	47	2
275.2	60	38	28	79	91	60	18	22	34	1	**<1**	9	71	96	68	33	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey E																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
630.0	194	**242**	108	**324**	**249**	234	**261**	**329**	**276**	38	44	26	76	22	11	104	6
631.6	**284**	219	91	**302**	**595**	**272**	**342**	221	**248**	44	44	31	58	23	12	111	6
637.6	198	228	**264**	**337**	**387**	**409**	**248**	**266**	**401**	62	30	28	18	11	16	107	7
643.1	**377**	**340**	221	**365**	**335**	**378**	214	180	**272**	59	36	35	15	7	11	101	6
648.9	**261**	141	**250**	**335**	196	**260**	206	185	**263**	39	53	54	15	13	14	95	5
654.0	200	228	**461**	**282**	**505**	192	192	178	**260**	25	38	33	7	13	5	85	4
659.2	148	162	126	**302**	**254**	180	194	141	204	21	32	17	11	12	5	65	2
664.2	125	**242**	141	**305**	**302**	238	236	219	196	14	32	31	9	12	9	75	3
669.1	238	**249**	185	**245**	**337**	227	237	153	**276**	31	24	24	9	11	5	77	4
674.5	152	**248**	84	**319**	**363**	152	170	**354**	143	18	26	18	7	7	9	66	4
680.4	124	120	84	**354**	238	101	185	**313**	135	15	18	35	10	6	13	61	2
685.6	88	108	77	185	194	199	199	215	148	20	19	24	13	7	18	60	0
690.7	88	105	82	135	133	105	154	117	228	26	17	29	7	14	7	52	0
695.6	43	91	61	122	142	107	179	221	142	13	17	15	15	16	13	49	0
700.9	53	47	33	62	112	93	190	156	204	19	19	12	16	15	14	44	0
706.2	32	44	30	82	86	58	126	147	172	24	16	19	7	6	7	35	0
711.5	21	31	34	79	131	84	153	115	114	15	17	12	9	6	9	33	0
717.4	36	28	24	96	77	79	142	127	194	12	23	15	7	8	9	34	0
721.5	147	102	162	**293**	234	**330**	119	123	114	31	25	20	14	8	14	66	2
727.0	119	96	178	214	**308**	**249**	130	79	161	25	19	15	10	13	8	59	2
732.5	166	178	118	**291**	**313**	162	145	110	108	22	27	27	11	7	16	66	2
738.8	71	50	63	162	236	192	82	131	93	20	23	16	5	11	5	43	0
742.4	93	111	68	130	152	162	149	137	86	26	12	12	4	6	11	44	0
746.4	76	82	44	84	135	162	111	105	147	25	20	24	5	6	6	42	0
750.6	67	65	50	93	140	156	101	114	143	28	15	15	6	4	7	39	0
754.8	29	53	68	49	113	133	184	238	196	22	23	24	7	8	11	44	0
758.0	55	70	43	120	99	110	128	120	166	24	28	15	**2480**	10	8	64	1
763.2	39	29	40	84	54	109	214	83	179	23	23	18	15	3	5	35	0
769.1	34	34	33	121	73	84	228	112	153	21	23	18	2	4	7	33	0
773.6	15	27	22	82	78	82	148	148	**259**	11	15	15	10	3	6	30	1
778.2	31	26	29	93	127	93	89	117	123	26	33	23	7	6	5	35	0
782.8	22	20	31	63	107	105	178	133	197	25	22	25	7	7	25	39	0
787.0	22	22	34	38	64	122	140	153	172	23	12	20	16	9	9	35	0
792.7	17	17	11	89	84	60	161	225	140	25	39	25	10	6	24	36	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey E																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
794.2	43	23	20	137	86	114	33	206	120	20	19	50	12	14	**1120**	53	1
800.0	110	30	22	99	99	91	236	186	**331**	14	25	19	62	**560**	**1350**	92	3
805.8	24	27	31	76	115	76	148	192	185	24	18	24	15	12	26	43	0
811.3	81	34	24	82	120	45	185	124	96	140	34	23	229	19	11	59	0
817.0	82	41	32	84	114	118	84	77	81	**260**	108	10	74	48	68	70	1
823.2	79	59	49	133	122	96	86	78	55	130	117	15	86	54	24	69	0
829.5	81	55	25	76	133	74	133	129	72	43	44	24	60	39	41	60	0
832.2	62	37	28	102	109	69	71	105	75	19	17	18	46	34	21	45	0
837.2	46	41	25	109	101	78	140	108	69	20	12	4	31	41	31	41	0
842.3	45	37	37	62	99	61	47	67	64	19	25	14	43	32	28	40	0
846.5	28	36	28	91	121	32	201	**261**	128	19	25	25	36	23	35	49	1
851.3	46	38	22	118	147	118	131	124	84	41	19	15	17	26	17	46	0
855.5	44	26	29	96	49	88	118	70	96	34	25	13	30	19	17	40	0
859.7	54	34	15	120	96	47	186	126	86	17	26	13	25	25	18	42	0
864.4	24	42	31	111	118	64	86	178	84	26	26	16	22	15	19	42	0
869.8	40	36	31	104	82	118	124	101	91	17	25	15	38	15	16	43	0
875.7	24	49	24	52	59	86	120	119	60	17	17	12	18	36	16	36	0
880.7	32	30	19	99	33	66	46	50	50	28	14	8	10	7	12	25	0
885.0	37	26	19	47	64	57	82	155	45	13	8	9	8	11	11	26	0
889.2	34	24	24	126	55	68	96	99	57	26	17	15	13	8	10	32	0
891.7	26	20	23	54	39	105	60	39	86	17	13	14	11	12	12	27	0
897.5	34	28	17	51	45	96	17	13	24	15	8	11	5	3	7	17	0
903.2	23	30	16	53	82	59	12	16	12	14	10	5	3	7	7	16	0
908.0	34	15	21	53	52	36	27	15	24	16	10	15	5	5	30	19	0
912.6	23	25	19	50	55	43	9	9	10	11	10	8	5	2	11	14	0
917.6	15	25	11	61	44	38	13	12	7	8	11	11	14	4	5	14	0
923.4	8	28	18	58	99	82	11	23	28	2	15	20	1	6	6	15	0
928.2	22	13	26	32	69	145	9	14	36	2	3	12	2	5	8	13	0
932.2	15	18	20	28	35	19	13	22	26	5	7	7	5	5	4	12	0
936.2	52	17	25	42	36	46	24	5	67	2	4	9	48	5	5	16	0
937.7	9	23	22	30	57	46	15	12	23	2	5	14	21	19	8	15	0
940.9	21	11	21	21	33	35	20	18	50	4	5	13	15	15	6	16	0
944.2	21	25	14	31	33	34	13	8	19	4	5	13	29	21	6	15	0
947.5	29	12	13	67	33	29	18	15	31	6	3	7	32	15	15	17	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey E																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
952.2	24	12	25	39	26	70	26	34	31	6	10	46	26	13	7	21	0
957.7	13	8	27	31	33	40	37	20	36	5	4	12	14	10	14	16	0
963.0	29	9	32	24	29	48	54	36	45	2	3	9	26	15	14	18	0
969.2	5	16	30	29	39	46	58	60	34	10	6	15	22	13	18	21	0
974.1	12	10	33	57	62	37	11	44	37	5	20	7	10	7	11	18	0
979.2	8	8	17	30	21	33	27	21	34	4	2	13	114	26	93	19	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey F																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
280.8	11	12	20	210	102	101	206	166	141	12	12	5	7	7	5	28	0
285.9	17	10	14	79	91	53	185	132	90	17	16	9	4	4	7	24	0
291.4	11	22	15	93	88	77	156	131	85	6	5	11	3	3	3	20	0
296.6	19	14	9	82	70	47	101	129	78	11	12	11	3	2	1	18	0
302.0	6	9	7	120	96	70	122	91	77	6	6	6	3	4	2	16	0
307.7	82	11	14	111	86	89	**276**	57	84	31	14	7	50	28	10	39	1
313.3	185	43	86	187	66	70	**424**	93	113	72	10	12	34	15	24	58	1
317.2	105	27	18	**308**	192	47	131	119	51	34	14	39	24	46	34	53	1
321.5	96	53	24	138	76	46	139	56	84	39	21	9	14	26	2	36	0
327.4	47	36	19	81	46	38	120	126	72	13	14	13	3	3	4	24	0
327.7	57	31	42	70	38	41	142	132	81	28	13	14	10	5	4	30	0
328.0	34	20	36	74	56	37	108	104	63	21	11	18	9	4	10	28	0
332.5	18	23	12	50	46	39	82	91	69	18	8	12	5	2	5	19	0
338.1	61	20	8	38	59	36	105	99	53	22	10	17	17	**<1**	2	26	0
343.5	60	25	18	45	40	44	63	36	52	12	5	9	4	5	5	19	0
349.2	54	29	48	55	46	38	54	55	41	11	7	12	4	11	5	22	0
352.0	39	35	28	35	45	44	55	46	44	13	10	13	1	4	4	18	0
353.8	40	27	33	42	53	46	47	61	75	7	6	9	4	4	2	18	0
359.3	26	34	28	44	45	45	66	52	66	5	7	15	3	2	11	19	0
364.6	38	19	46	32	28	63	46	53	82	6	5	15	4	1	4	17	0
369.8	15	13	38	24	35	33	36	20	93	10	10	15	10	1	1	14	0
375.0	19	23	42	24	37	30	70	75	82	2	12	12	3	1	5	16	0
380.4	24	22	25	26	34	20	46	67	66	9	4	6	**<1**	**<1**	2	18	0
385.4	17	32	21	21	23	22	68	37	42	5	5	3	2	3	**<1**	13	0
390.6	26	13	15	10	24	29	35	23	39	6	4	8	1	1	**<1**	11	0
395.0	21	13	12	22	37	19	81	56	28	4	4	4	**<1**	**<1**	**<1**	16	0
400.4	14	22	21	13	14	10	50	35	47	6	10	11	**<1**	1	4	12	0
405.8	21	15	15	16	10	13	17	36	192	4	8	22	5	2	6	13	0
411.4	26	26	8	7	5	21	36	34	45	7	6	10	2	3	10	11	0
416.4	46	27	14	7	7	6	30	28	35	2	5	6	**<1**	1	10	10	0
421.6	30	19	12	5	6	5	32	38	45	5	5	9	3	1	**<1**	10	0
426.4	12	28	15	6	4	7	25	19	20	5	7	5	6	**<1**	3	9	0
431.4	17	13	**<10**	7	7	3	21	17	19	8	3	5	4	**<1**	10	9	0
436.8	23	14	21	7	3	**<1**	23	18	31	7	10	1	7	5	3	9	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey F																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
441.5	21	16	15	3	3	5	35	22	29	7	6	4	**<1**	3	1	8	0
446.5	24	16	9	3	7	3	26	32	24	2	5	5	5	6	5	8	0
451.6	11	5	**<10**	6	6	13	19	15	21	4	1	4	5	**<1**	6	7	0
455.3	10	14	5	9	5	5	16	19	16	7	8	3	2	1	3	6	0
460.0	11	15	10	1	2	7	22	15	32	5	6	4	2	**<1**	1	6	0
465.4	17	11	13	13	4	15	11	29	31	**<1**	4	13	3	1	15	9	0
468.7	11	9	12	5	3	25	19	33	24	2	4	10	14	1	2	8	0
472.7	70	66	14	34	12	19	66	44	45	59	14	6	29	8	**2910**	36	1
477.6	33	24	44	14	13	35	46	49	36	30	18	86	42	175	**434**	42	1
482.2	46	39	41	11	30	24	54	34	48	13	10	15	58	**261**	181	36	1
486.2	50	36	34	18	16	35	34	47	53	11	11	35	7	148	64	30	0
489.7	41	46	49	11	15	13	31	70	44	12	18	18	15	45	68	27	0
493.2	33	41	50	14	17	25	42	54	39	15	20	27	11	46	41	28	0
498.0	28	22	47	18	6	43	22	19	33	19	25	44	2	30	91	23	0
503.1	24	21	20	14	18	15	21	21	13	24	40	28	**<1**	2	3	15	0
508.3	9	13	24	6	5	16	21	14	20	13	11	12	1	20	5	10	0
513.4	20	17	18	10	6	12	9	11	13	3	5	6	1	2	3	7	0
518.5	13	24	6	5	3	16	17	9	14	6	15	7	5	**<1**	10	9	0
523.4	12	12	9	11	5	11	9	13	7	3	2	2	**<1**	**<1**	4	6	0
528.4	4	12	11	10	5	15	13	7	11	7	4	3	**<1**	1	2	6	0
533.2	19	24	11	7	10	7	10	5	12	4	5	4	**<1**	5	2	7	0
538.5	19	9	17	11	12	11	8	8	10	3	5	6	3	**<1**	10	8	0
543.5	15	7	15	10	6	10	7	11	18	5	5	12	2	2	11	8	0
548.3	36	9	10	13	5	6	119	12	11	12	5	**<1**	5	**<1**	7	11	0
553.6	28	12	6	9	6	6	75	10	8	16	4	7	3	2	1	7	0
558.8	10	5	13	8	7	11	52	11	13	6	5	5	6	3	2	8	0
562.7	15	7	9	4	7	3	30	10	7	13	6	5	4	3	2	6	0
567.6	7	5	5	11	5	5	26	6	5	10	5	6	6	5	4	7	0
572.5	15	6	6	5	4	7	30	10	6	6	1	2	2	**<1**	2	5	0
577.4	6	24	6	5	4	9	36	7	10	7	2	5	**<1**	3	1	6	0
582.9	5	6	1	15	4	6	31	13	14	6	2	4	3	**<1**	**<1**	6	0
587.8	6	2	5	7	2	6	28	13	21	7	2	3	**<1**	1	**<1**	5	0
592.2	4	5	6	7	5	2	28	8	14	3	3	1	3	1	10	5	0
597.1	7	3	8	3	7	8	36	11	8	4	1	2	1	**<1**	1	4	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey F																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
602.2	13	4	7	5	5	5	21	9	15	7	3	5	2	3	**<1**	6	0
604.3	17	2	7	34	10	3	20	22	17	17	2	5	1	3	1	6	0
607.5	20	6	9	15	6	7	30	12	21	41	10	30	3	2	10	11	0
609.7	52	7	3	11	13	7	21	12	16	24	25	28	6	10	14	13	0
612.2	20	4	11	84	8	8	24	15	14	58	29	56	12	4	8	16	0
617.6	36	7	10	21	7	8	42	20	16	**13000**	162	16	81	67	5	32	1
623.1	18	13	7	17	10	5	44	15	26	**326**	35	19	46	17	10	20	1
628.1	23	11	12	60	10	11	57	19	15	**2760**	17	16	184	19	20	30	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey G																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
280.8	36	24	31	11	15	12	55	44	43	8	13	5	7	1	5	14	0
285.9	11	24	15	11	15	8	36	33	32	5	8	10	1	1	3	9	0
291.4	26	30	19	4	4	5	18	24	25	2	6	4	10	3	3	8	0
296.6	19	13	21	5	5	12	19	28	26	6	7	6	2	1	3	8	0
302.0	11	11	14	5	10	7	14	24	16	1	3	**<1**	**<1**	1	**<1**	7	0
307.7	21	19	12	126	24	5	37	22	25	162	2	6	139	135	7	24	0
313.3	12	10	6	**286**	22	28	114	22	59	**245**	**247**	96	28	55	98	48	3
317.2	56	11	7	234	12	7	147	55	29	**502**	**367**	**291**	84	27	17	51	3
321.5	59	15	16	93	89	34	199	144	53	**241**	201	230	25	23	7	58	1
327.4	7	12	26	56	-	27	118	64	43	179	**361**	204	5	7	7	35	1
327.7	16	11	15	79	46	24	138	50	36	**423**	**260**	**273**	7	5	5	37	3
328.0	22	13	14	63	53	54	96	105	51	**282**	**248**	167	11	6	17	44	2
332.5	26	13	75	15	44	59	111	99	69	138	108	86	3	5	2	31	0
338.1	12	24	11	46	34	25	66	67	76	104	121	77	1	1	**<1**	25	0
343.5	21	29	29	26	39	29	58	52	38	68	84	60	8	2	3	25	0
349.2	17	16	36	40	28	28	80	47	50	50	67	47	2	1	17	23	0
352.0	18	18	28	24	32	24	46	43	68	69	68	45	5	2	6	23	0
353.8	18	16	35	22	25	30	63	53	77	58	54	83	6	2	11	26	0
359.3	23	10	32	24	29	26	52	130	**340**	53	52	84	9	38	61	41	1
364.6	21	23	24	24	30	35	62	58	155	42	50	39	4	18	8	29	0
369.8	15	12	28	11	25	29	93	86	130	65	44	23	3	1	3	19	0
375.0	11	14	40	19	13	13	58	88	114	20	12	14	10	6	4	18	0
380.4	12	23	28	8	12	15	58	84	115	8	15	25	6	13	15	20	0
385.4	23	16	12	8	8	2	88	118	56	16	20	7	1	3	6	12	0
390.6	13	17	17	6	6	10	93	56	82	3	14	14	8	7	5	14	0
395.0	14	24	17	9	4	5	55	96	60	21	21	16	**<1**	4	1	14	0
400.4	12	11	12	3	3	5	42	31	46	16	37	17	**<1**	**<1**	2	12	0
405.8	14	15	9	2	5	14	110	34	84	14	19	25	7	10	22	16	0
411.4	13	9	7	5	12	2	40	34	58	32	18	16	13	8	8	13	0
416.4	7	10	10	5	3	5	50	31	46	12	12	18	4	3	2	9	0
421.6	11	8	3	11	3	4	54	71	40	13	14	8	**<1**	**<1**	1	10	0
426.4	15	14	5	1	1	3	50	44	29	20	11	11	4	**<1**	4	8	0
431.4	2	4	4	3	5	2	34	47	15	14	10	6	2	1	10	6	0
436.8	11	9	9	5	5	4	76	72	24	-	-	-	-	-	-	13	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey G																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
441.5	6	8	4	3	3	2	76	44	44	-	-	-	2	3	2	6	0
446.5	9	10	12	3	4	3	62	91	43	6	14	5	1	2	1	7	0
451.6	4	3	6	2	2	3	58	68	34	6	14	32	1	1	3	6	0
455.3	4	5	6	**1610**	131	**1350**	42	55	40	10	13	7	4	4	4	22	2
460.0	4	6	6	3	**1260**	**390**	26	52	26	11	13	3	3	2	10	14	2
465.4	5	5	46	5	4	34	44	53	37	14	13	12	1	1	8	10	0
468.7	6	3	28	16	1	10	51	37	56	14	10	11	18	18	13	13	0
472.7	13	5	92	19	13	64	66	52	54	24	56	34	96	60	199	40	0
477.6	19	15	98	9	10	28	42	39	49	29	20	61	67	68	96	34	0
482.2	41	66	199	13	15	14	50	34	28	34	108	75	**510**	**544**	**364**	66	3
486.2	34	53	76	14	8	33	34	55	55	25	53	30	**595**	**580**	**880**	61	3
489.7	27	70	36	8	6	17	41	66	32	19	40	24	38	40	26	27	0
493.2	32	47	46	13	68	88	46	52	64	18	17	24	18	29	26	34	0
498.0	12	15	86	13	33	46	49	46	36	24	33	27	38	36	23	30	0
503.1	24	28	28	10	7	9	58	42	46	33	28	14	11	17	18	21	0
508.3	10	9	38	3	3	5	40	42	43	20	17	18	3	6	36	13	0
513.4	16	21	25	6	10	4	28	24	29	24	32	19	2	1	3	11	0
518.5	10	18	37	2	6	12	32	43	18	12	24	11	2	1	11	10	0
523.4	15	16	28	5	4	6	23	20	23	7	19	23	3	1	2	9	0
528.4	10	13	15	12	3	2	32	27	25	18	13	11	5	2	**<1**	10	0
533.2	6	14	15	4	5	2	26	28	46	15	17	22	4	2	1	8	0
538.5	13	15	14	1	5	3	26	29	35	6	13	15	**<1**	5	3	9	0
543.5	10	12	12	5	4	3	38	36	45	6	10	3	**<1**	**<1**	2	9	0
548.3	12	10	11	5	20	2	16	29	13	44	12	2	5	1	3	8	0
553.6	2	6	10	1	3	4	13	17	23	22	16	6	46	1	2	6	0
558.8	5	15	9	1	1	1	16	28	20	12	14	3	4	10	**<10**	6	0
562.7	10	21	214	7	7	2	17	24	19	10	11	10	3	2	5	10	0
567.6	9	56	19	1	6	3	16	20	10	11	8	5	1	1	1	6	0
572.5	5	13	8	2	2	6	11	17	17	11	10	4	28	20	1	7	0
577.4	8	5	5	3	1	1	16	25	20	17	5	11	2	4	2	5	0
582.9	17	8	4	1	**<1**	2	18	10	14	11	12	5	29	1	**<1**	7	0
587.8	5	5	4	2	**<1**	1	7	11	10	11	3	12	14	8	12	6	0
592.2	4	5	7	1	**<1**	27	24	19	18	10	3	5	32	6	3	8	0
597.1	5	10	11	44	1	2	16	15	18	1	3	9	22	10	15	8	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey G																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
602.2	12	5	19	**3650**	4	4	29	28	14	5	10	9	22	28	29	18	1
604.3	**293**	6	15	**2280**	3	214	**620**	21	26	69	5	9	200	43	37	47	3
607.5	**840**	64	17	**1010**	93	150	**411**	42	31	15	6	3	49	41	13	51	3
609.7	**460**	**356**	52	**528**	**467**	**1080**	**249**	93	150	11	17	14	162	86	82	123	6
612.2	**17330**	156	53	**890**	119	**4350**	231	30	192	43	8	11	185	56	240	157	3
617.6	**3080**	**498**	161	**>24192**	**1280**	**276**	**1240**	99	74	12	18	6	**680**	**710**	**411**	204	8
623.1	**4350**	148	180	**790**	**276**	162	**860**	80	115	23	6	2	**1260**	**415**	68	146	6
628.1	**13000**	161	214	**9210**	104	**1200**	**1860**	93	**291**	15	7	2	**541**	**465**	44	209	7
631.6	**15530**	**1670**	133	**9800**	**1790**	132	**3970**	**279**	178	-	-	-	**545**	**568**	186	819	8
637.6	**9800**	**7700**	**800**	**8160**	**7700**	**4610**	**4610**	**1260**	98	-	-	-	**1120**	**1520**	**1300**	2301	11
643.1	93	**553**	98	**1050**	**2760**	**780**	**3450**	**2810**	**2380**	-	-	-	46	155	65	472	7
648.9	-	-	-	178	232	**375**	59	49	31	-	-	-	66	131	35	91	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey H																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
607.5	40	39	34	24	8	7	7	10	10	15	14	20	162	122	51	23	0
609.7	50	37	30	16	16	15	4	4	8	19	14	19	219	114	75	23	0
612.2	41	30	46	20	7	29	6	6	6	17	15	34	**307**	144	86	26	1
617.6	144	24	16	32	9	15	10	15	16	72	81	93	**1780**	**1520**	**1310**	63	3
623.1	66	22	12	48	13	20	8	7	7	150	36	30	**4160**	**1150**	**346**	49	3
628.1	79	14	11	55	19	11	9	6	8	210	35	44	**3650**	**1990**	179	49	2
631.6	130	11	8	75	13	16	12	13	5	98	82	37	**1350**	**1470**	**1410**	54	3
637.6	140	30	64	26	16	15	4	2	3	60	73	46	**880**	**930**	**990**	45	3
643.1	52	79	108	23	25	18	1	2	2	33	52	114	148	210	140	30	0
648.9	59	127	50	14	15	15	18	1	4	60	45	36	26	26	15	21	0
654.0	154	57	53	6	9	11	4	3	3	26	27	40	10	17	15	15	0
659.2	78	54	194	12	9	15	1	2	7	23	25	26	8	12	12	15	0
664.2	158	135	192	13	8	13	**<1**	1	3	36	25	24	1	1	4	12	0
669.1	**387**	204	220	22	19	12	**<1**	2	3	31	34	21	4	7	3	19	1
674.5	153	**319**	**325**	10	12	14	**<1**	2	**<1**	6	6	12	5	2	2	13	2
680.4	70	225	142	15	19	12	1	3	1	11	4	9	3	2	2	9	0
685.6	126	141	73	18	30	15	1	2	**<1**	5	3	5	3	1	1	8	0
690.7	107	74	76	10	25	8	**<1**	1	4	3	**<1**	4	3	1	2	8	0
695.6	-	24	20	7	5	4	2	**<1**	**<1**	3	1	1	**<1**	3	3	4	0
700.9	96	167	84	12	15	16	3	2	3	4	6	6	4	1	2	8	0
706.2	64	63	77	4	5	6	**<1**	**<1**	2	9	6	5	3	1	1	7	0
711.5	41	32	37	7	5	3	4	10	20	4	2	5	3	2	2	6	0
717.4	15	22	22	5	3	20	3	1	1	2	1	5	3	**<1**	1	4	0
721.5	-	-	-	6	11	5	2	2	3	8	12	5	2	**<1**	**<1**	4	0
727.0	34	30	20	3	3	3	6	2	2	10	5	16	**<1**	3	2	6	0
732.5	26	25	23	7	5	3	6	5	6	15	**424**	194	8	9	7	14	1
738.8	15	17	28	7	5	10	3	2	3	28	66	61	5	9	5	10	0
742.4	28	25	30	6	4	10	**<1**	10	1	10	25	28	4	9	3	9	0
746.4	19	19	28	7	5	9	1	1	3	2	5	6	2	4	9	5	0
750.6	51	34	102	7	5	5	4	3	4	3	3	12	13	11	14	9	0
754.8	73	30	96	6	3	7	**<1**	1	3	91	7	6	10	8	10	11	0
758.0	44	28	45	11	2	3	91	2	6	**1100**	**550**	**890**	9	10	8	26	3
763.2	58	26	59	99	19	13	**910**	**890**	**960**	124	93	80	4	5	5	56	3
769.1	219	57	61	172	22	12	5	3	12	44	30	6	4	6	1	16	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey H																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
773.6	110	70	34	44	96	21	3	**<1**	1	7	10	15	15	1	3	13	0
778.2	67	76	45	15	26	15	5	2	3	30	33	28	4	10	7	15	0
782.8	70	50	48	5	13	12	5	3	11	93	166	238	2	5	7	18	0
787.0	63	40	45	8	9	17	3	**<1**	2	23	17	30	**<1**	4	14	14	0
792.7	135	99	54	6	9	7	3	2	2	116	102	**249**	4	1	5	14	1
794.2	73	81	84	10	6	13	4	1	25	31	42	**840**	44	13	44	25	1
799.5	61	77	72	13	13	9	3	1	5	**600**	**3450**	**1250**	12	12	9	31	3
805.8	84	80	46	7	5	12	10	3	5	**1250**	**860**	**1550**	13	12	17	34	3
811.3	51	45	66	154	5	3	126	12	3	188	84	34	234	**365**	93	45	1
817.0	20	28	29	33	13	5	17	9	4	46	43	27	32	24	27	19	0
823.2	156	46	50	19	15	7	8	7	10	27	11	22	6	18	8	17	0
829.5	101	78	46	7	5	8	8	1	10	11	8	16	9	19	13	12	0
832.2	49	46	59	16	18	22	12	21	29	25	28	86	29	26	33	29	0
837.2	79	55	34	8	8	12	18	15	29	36	72	73	4	5	12	20	0
842.3	49	53	24	10	3	15	15	11	8	14	24	25	5	3	3	12	0
846.5	33	51	30	9	10	8	7	13	8	46	50	35	5	2	12	14	0
851.3	33	51	30	3	6	4	6	**<1**	5	133	162	178	4	5	5	15	0
855.5	29	29	15	5	2	3	4	4	4	93	50	72	5	3	5	10	0
859.7	34	26	14	2	4	7	3	1	5	21	14	17	4	2	8	7	0
864.4	30	52	13	9	2	1	**<1**	**<1**	2	13	15	19	5	1	1	6	0
869.8	39	24	17	5	3	1	1	**<1**	1	4	6	8	3	3	1	4	0
875.7	30	26	11	**<1**	3	2	1	1	2	8	4	5	7	5	5	5	0
880.7	24	15	12	2	**<1**	2	**<1**	2	**<1**	4	3	4	7	5	4	5	0
885.0	24	8	5	3	3	3	2	**<1**	**<1**	3	5	**<1**	10	4	2	4	0
889.2	22	7	9	**<1**	1	4	1	**<1**	**<1**	2	10	3	2	**<1**	**<1**	4	0
891.7	31	13	6	**<1**	3	1	**<1**	**<1**	1	2	2	3	1	1	1	3	0
897.5	14	8	11	3	1	1	12	4	2	2	2	**<1**	11	3	2	4	0
903.2	17	4	4	2	1	1	**<1**	**<1**	**<1**	1	3	1	1	**<1**	1	2	0
908.0	11	5	3	1	**<1**	**<1**	1	4	1	**<1**	**<1**	10	**<1**	1	1	2	0
912.6	16	5	4	2	**<1**	**<1**	1	2	2	**<1**	1	3	1	**<1**	**<1**	2	0
917.6	6	7	3	1	1	2	2	**<1**	**<1**	**<1**	2	2	1	**<1**	**<1**	2	0
923.4	7	10	5	6	2	1	5	1	3	3	**<1**	**<1**	1	2	**<1**	3	0
928.2	4	7	5	13	4	1	3	3	1	3	**<10**	10	4	2	2	3	0
932.2	5	5	2	10	8	1	1	**<1**	1	2	**<1**	1	5	2	1	2	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey H																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
936.2	40	4	15	10	1	5	18	**<1**	5	3	2	2	22	25	1	6	0
937.7	8	11	6	2	3	5	10	2	5	2	2	1	18	7	4	4	0
940.9	20	11	11	3	4	4	6	6	6	15	2	5	7	7	4	6	0
944.2	40	3	5	2	3	4	6	6	3	4	3	4	2	2	6	4	0
947.5	15	4	5	7	1	1	13	5	3	2	3	3	7	5	7	4	0
952.2	14	11	8	3	3	1	7	4	10	3	3	**<1**	7	5	3	5	0
957.7	5	5	11	7	3	7	4	8	3	2	**<1**	**<1**	5	4	3	5	0
963.0	-	-	-	4	2	2	10	5	3	4	1	2	4	6	4	3	0
969.2	-	-	-	3	5	4	4	5	4	3	5	5	17	7	8	5	0
974.1	-	-	-	7	4	1	5	12	5	5	11	3	12	22	5	6	0
979.2	-	-	-	9	1	24	151	3	41	14	1	37	15	12	11	11	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey I																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
1.5	31	46	34	104	79	108	39	33	30	63	51	162	46	54	43	54	0
3.3	34	21	**500**	108	86	**620**	34	30	141	88	67	**276**	46	33	211	88	3
6.4	28	32	53	128	144	154	25	26	39	64	98	56	62	91	49	59	0
9.5	20	24	40	66	96	104	25	33	67	116	68	75	20	37	51	48	0
11.4	25	18	38	52	75	**313**	34	39	29	82	55	77	44	44	57	50	1
12.5	24	32	81	125	147	**480**	18	45	46	84	59	79	33	28	70	60	1
14.4	31	20	31	99	75	**397**	27	37	71	79	68	84	32	40	67	56	1
17.7	24	31	47	187	**304**	**277**	31	25	39	93	86	120	26	40	73	64	2
20.5	27	25	50	105	112	192	28	16	39	78	84	108	35	38	31	51	0
20.8	18	30	44	112	126	199	29	24	28	88	73	75	26	54	33	50	0
21.8	19	30	30	83	96	153	15	23	24	64	64	124	15	31	25	40	0
22.9	219	**404**	**263**	107	78	**291**	28	21	**363**	**570**	98	156	50	36	82	120	5
25.5	15	24	70	69	62	209	22	28	50	137	70	107	30	20	37	48	0
25.8	14	24	51	108	55	**443**	24	22	47	81	58	**740**	25	29	45	55	2
26.4	19	26	56	120	76	**309**	36	44	60	82	162	186	25	30	28	59	1
28.3	28	34	53	114	118	**283**	31	46	47	**429**	119	**342**	34	28	40	73	3
32.9	12	21	24	61	70	84	47	46	35	**360**	**370**	**522**	18	26	23	55	3
37.6	17	21	29	50	59	34	45	50	34	**435**	**437**	**607**	27	31	16	55	3
41.2	19	18	30	55	44	147	28	47	34	**370**	**383**	**611**	16	10	16	51	3
44.8	22	15	26	57	39	83	20	34	22	**566**	**527**	**1130**	18	15	29	52	3
48.7	19	44	26	68	51	78	16	23	15	**910**	**740**	**960**	30	13	13	54	3
52.5	19	15	24	46	33	39	10	8	11	**1170**	**1140**	**1140**	5	7	12	36	3
56.4	18	27	15	39	23	20	19	16	11	**1090**	**1200**	**720**	14	5	11	37	3
60.3	20	15	**572**	20	36	**261**	10	13	**312**	**860**	**1140**	**730**	13	5	166	74	6
66.4	37	27	147	47	62	199	51	30	39	**535**	**466**	**547**	186	23	48	88	3
68.2	86	28	114	86	45	124	56	32	67	**478**	**506**	**535**	76	28	187	99	3
70.7	70	37	34	62	60	42	43	55	49	**453**	**400**	**536**	40	33	43	73	3
71.8	58	34	93	64	81	66	37	24	52	**397**	**348**	**408**	25	43	61	74	3
74.9	30	21	26	60	91	86	29	18	30	**258**	178	178	30	21	24	48	1
80.2	20	22	29	51	31	50	25	17	18	141	156	133	22	18	25	36	0
85.6	19	11	11	44	25	49	18	26	18	84	147	114	28	25	18	31	0
91.2	118	46	45	28	28	93	27	17	15	86	133	108	33	17	179	48	0
94.2	11	21	53	34	27	138	13	11	33	126	78	107	25	28	51	36	0
97.8	13	21	44	99	66	78	15	24	14	125	107	96	32	22	37	40	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey I																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
102.6	10	17	16	107	71	42	18	11	16	96	101	60	28	26	26	32	0
107.7	36	32	29	27	41	22	8	10	14	63	61	57	24	25	14	26	0
113.0	19	8	15	67	44	46	7	5	10	55	49	35	24	33	22	22	0
118.3	14	5	8	31	34	26	16	6	11	17	26	17	15	15	12	15	0
123.7	13	9	6	16	15	15	13	14	5	16	30	15	10	10	16	13	0
124.9	13	12	10	22	26	19	4	7	11	8	14	14	13	10	11	12	0
129.1	10	12	26	18	19	18	10	6	20	13	17	15	16	14	17	15	0
133.4	23	22	25	28	15	24	22	22	14	26	15	12	52	20	14	21	0
138.7	25	25	12	19	18	12	11	11	6	26	11	5	12	12	17	13	0
144.2	32	7	12	13	16	14	8	19	11	26	25	10	16	9	12	14	0
149.6	12	11	24	17	15	8	5	2	10	38	15	8	20	18	9	12	0
155.0	28	13	13	5	6	8	9	4	4	20	14	12	15	5	10	9	0
160.4	191	24	24	9	12	8	10	11	10	10	7	10	13	9	11	14	0
165.8	**5736**	48	19	22	15	9	5	9	9	8	9	3	10	11	5	16	1
171.2	115	26	46	8	12	13	6	5	15	7	8	12	5	5	10	12	0
175.1	41	35	78	16	11	13	16	14	10	16	29	16	13	15	15	19	0
179.4	57	43	47	12	13	18	15	23	12	7	16	14	11	7	17	17	0
183.5	41	21	22	11	10	9	22	22	15	13	20	16	9	15	13	16	0
185.9	186	31	128	17	5	15	18	17	22	17	23	29	31	23	41	27	0
190.8	140	110	**310**	13	12	23	25	24	31	20	15	15	20	18	22	30	1
195.7	47	48	30	24	23	27	15	18	23	15	14	10	25	15	23	22	0
200.7	14	18	24	12	14	15	24	19	25	12	12	8	13	27	34	17	0
205.7	**680**	**490**	**419**	15	17	21	27	20	19	**1370**	**1380**	**520**	**960**	**509**	228	157	8
210.7	**910**	**647**	**500**	15	17	12	16	29	27	**2360**	**1210**	**373**	**910**	210	**590**	162	8
215.7	**960**	**500**	**1370**	16	12	16	34	23	20	**2280**	**3080**	**2100**	215	104	**600**	179	7
220.4	**1550**	**990**	**1300**	8	15	13	26	18	19	**1660**	**1470**	**1670**	**649**	236	**276**	176	8
225.4	**1250**	**1080**	**1480**	16	8	8	31	15	34	**2190**	**3080**	**3450**	108	72	126	156	6
230.4	**830**	**1020**	**930**	14	15	16	41	31	34	**770**	**332**	**550**	86	59	80	113	6
235.6	**2190**	**1200**	**2380**	9	12	8	25	28	34	**2100**	**1300**	**1290**	91	75	21	132	6
240.4	**1080**	**1550**	**2100**	15	18	15	25	25	28	**900**	**810**	**1200**	83	55	45	129	6
245.4	**1660**	**1400**	**1610**	13	16	19	34	19	31	**820**	**820**	**840**	**306**	84	104	150	7
250.4	**1400**	**1260**	**1500**	17	20	13	27	44	28	**2140**	**660**	**527**	**1620**	**395**	**471**	213	9
255.5	**1660**	**1491**	**1520**	13	13	15	38	30	38	**2060**	**2010**	**2490**	**960**	**1420**	**1350**	288	9
260.6	**1720**	**1610**	**1860**	15	12	24	39	41	38	**1550**	**2380**	**1780**	**610**	**526**	**461**	256	9

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 F: E. coli Concentration Data in Colonies per 100 mL

Survey I																Geometric	
Mile Point	Week 1			Week 2			Week 3			Week 4			Week 5			Mean	# > SS Max
	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB	LDB	MID	RDB		
265.7	**1940**	**1680**	**1990**	15	14	21	63	67	43	**2480**	**990**	**910**	**1160**	**880**	**910**	294	9
269.8	**3080**	**1400**	**1300**	36	46	24	59	64	82	96	175	**700**	**487**	**1120**	**494**	227	7
275.2	**3260**	**1480**	**1560**	21	25	16	48	73	58	153	166	152	228	144	212	148	3
280.8	**1990**	**2480**	**1080**	25	25	30	77	67	63	115	115	**433**	173	141	**382**	164	5
285.9	**1550**	**1520**	**1300**	22	32	29	73	88	65	**515**	72	**601**	**278**	200	**700**	195	7
291.4	**1520**	**1550**	**910**	21	18	22	46	74	57	**599**	199	**295**	**369**	186	**510**	175	7
296.6	**1500**	**1520**	**1120**	35	20	19	56	47	52	**365**	41	210	**487**	**275**	130	145	6

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 F: E. coli Concentration Data in Colonies per 100 mL

Survey L				
Mile Point	LDB	MID	RDB	#> SS Max
1.5	6	6	3	0
3.3	20	15	12	0
12.5	16	8	2	0
22.9	172	6	21	0
25.5	14	6	2	0
25.8	16	15	21	0
26.4	14	16	16	0
28.3	12	13	11	0
32.9	5	9	3	0
37.6	2	4	5	0
41.2	3	<1	<1	0
48.7	2	5	10	0
52.5	2	1	3	0
66.4	37	38	28	0
68.2	24	43	133	0
74.9	9	15	5	0
80.2	3	5	3	0
85.6	13	11	8	0
91.2	5	3	6	0
94.2	5	1	3	0
97.8	4	2	3	0
102.6	7	7	10	0
107.7	1	2	<1	0
113	2	3	2	0
118.3	1	2	1	0
123.7	<1	2	3	0
129.1	30	6	1	0
138.7	2	1	1	0
149.6	2	2	1	0
155	<1	1	2	0
165.8	5	5	5	0
171.2	1	2	5	0
175.1	3	7	5	0
183.5	2	<1	1	0
185.9	1	4	7	0
190.8	1	3	10	0
195.7	3	1	<1	0
200.7	<1	1	2	0
205.7	8	1	3	0
210.7	1	<1	2	0
215.7	3	3	4	0
220.4	1	1	<1	0
225.4	<1	6	2	0
230.4	4	<1	1	0
235.6	<1	3	<1	0
245.4	3	4	2	0
250.4	3	5	223	0
255.5	7	5	8	0
260.6	7	2	3	0
265.7	5	4	10	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey L				
Mile Point	LDB	MID	RDB	#> SS Max
269.8	2	9	50	0
275.2	5	1	4	0
280.8	15	6	14	0
285.9	2	3	3	0
291.4	<1	1	2	0
302	1	2	12	0
302	2	2	3	0
307.7	26	31	18	0
313.3	223	**269**	12	1
317.2	37	29	34	0
321.5	30	35	31	0
328	24	15	13	0
332.5	3	7	5	0
338.1	4	2	5	0
343.5	1	1	2	0
349.2	3	2	2	0
352	2	3	2	0
353.8	24	3	18	0
359.3	7	10	8	0
364.6	3	8	5	0
369.8	2	2	4	0
375	1	1	2	0
380.4	3	1	1	0
385.4	3	2	1	0
390.6	2	10	1	0
400.4	1	2	1	0
405.8	2	4	6	0
411.4	6	1	3	0
416.4	6	8	4	0
421.6	4	3	1	0
426.4	<1	3	10	0
431.4	2	1	2	0
436.8	2	1	3	0
446.5	1	<1	4	0
451.6	<1	<1	2	0
460	1	<1	4	0
465.4	5	5	8	0
468.7	5	7	4	0
472.7	13	21	10	0
477.6	19	17	19	0
482.2	35	38	25	0
486.2	35	25	15	0
489.7	36	25	16	0
493.2	15	24	17	0
498	50	35	24	0
503.1	21	17	21	0
508.3	8	12	10	0
513.4	21	23	15	0
518.5	1	<10	1	0
528.4	108	<10	-	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey L				
Mile Point	LDB	MID	RDB	#> SS Max
533.2	10	3	2	0
538.5	2	<1	1	0
543.5	5	5	2	0
548.3	1	4	1	0
553.6	<1	1	<1	0
567.6	2	<1	3	0
572.5	<1	<1	<1	0
587.8	1	<1	<1	0
592.2	<1	<1	2	0
597.1	<1	<1	<1	0
602.2	1	1	6	0
604.3	3	<1	6	0
607.5	4	4	3	0
609.7	2	11	6	0
612.2	3	2	1	0
617.6	5	8	3	0
623.1	8	6	4	0
628.1	13	13	15	0
631.6	16	6	5	0
637.6	1	3	1	0
643.1	<1	5	2	0
648.9	3	<1	2	0
654	1	<1	<1	0
659.2	2	<1	2	0
664.2	<1	<1	<1	0
669.1	1	<1	<1	0
674.5	2	1	<1	0
680.4	<1	<1	<1	0
690.7	<1	3	1	0
695.6	<1	<1	<1	0
700.9	<1	10	2	0
706.2	1	2	<1	0
711.5	<1	<1	2	0
727	1	10	3	0
732.5	2	10	5	0
742.4	4	1	<1	0
746.4	1	<1	15	0
750.6	10	15	8	0
754.8	<1	1	10	0
758	**500**	28	2	1
769.1	10	8	8	0
773.6	1	1	1	0
778.2	2	1	<1	0
782.8	<1	<1	4	0
787	<1	1	<1	0
792.7	<1	2	2	0
794.2	6	1	69	0
805.8	9	6	3	0
811.3	11	10	4	0
817	5	4	7	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 F: E. coli Concentration Data in Colonies per 100 mL

Survey L				
Mile Point	LDB	MID	RDB	#> SS Max
823.2	2	<1	2	0
829.5	2	1	<1	0
837.2	8	3	<1	0
842.3	3	<1	2	0
846.5	4	10	4	0
851.3	3	2	1	0
864.4	2	2	2	0
869.8	3	1	2	0
875.7	2	1	<1	0
880.7	<1	<1	<1	0
885	1	1	<1	0
889.2	2	<1	<1	0
891.7	2	2	1	0
897.5	3	<1	<1	0
903.2	<1	1	<1	0
908	2	<1	1	0
912.6	1	<1	2	0
917.6	<1	<1	2	0
923.4	25	9	2	0
932.2	1	3	<1	0
936.2	1	7	3	0
937.7	4	6	4	0
940.9	2	4	4	0
944.2	2	2	15	0
947.5	4	4	2	0
952.2	2	1	4	0
957.7	2	5	5	0
963	2	4	1	0
969.2	2	5	5	0
974.1	7	7	1	0
979.2	10	15	15	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:

Contact Recreation

Sampling Results

2007 Fecal Coliform and E. Coil Single Sample Criteria Violations

City	Mile Point	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations
		May		June		July		August		September		Ocotober		Annual Summary	
Pittsburgh	1.4 LDB	0	0%	1	25%	1	20%	4	80%	4	67%	1	20%	11	37%
	1.4 MID	0	0%	1	25%	0	0%	5	100%	4	67%	1	20%	11	37%
	1.4 RDB	0	0%	1	25%	0	0%	4	80%	4	67%	1	20%	10	33%
	4.3	0	0%	1	25%	0	0%	5	100%	3	50%	1	20%	10	33%
Total		0	0%	4	25%	1	5%	18	90%	15	63%	4	20%	42	35%
Wheeling	84.2	0	0%	4	80%	0	0%	4	80%	2	33%	3	60%	13	43%
	86.8	0	0%	3	60%	0	0%	1	20%	0	0%	0	0%	4	13%
	91.4	2	33%	3	60%	0	0%	2	40%	2	33%	0	0%	9	30%
	92.8	1	17%	4	80%	0	0%	3	60%	1	17%	3	60%	12	40%
Total		3	13%	14	70%	0	0%	10	50%	5	21%	6	30%	38	32%
Huntington	305.1	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%
	308.1	3	50%	1	20%	2	29%	4	80%	2	33%	0	0%	12	40%
	314.8	2	33%	0	0%	0	0%	1	20%	0	0%	0	0%	3	10%
Total		6	33%	1	7%	2	10%	5	33%	2	11%	0	0%	16	18%
Cincinnati	462.6	0	0%	1	20%	0	0%	0	0%	0	0%	1	20%	2	7%
	463.9	0	0%	0	0%	0	0%	0	0%	0	0%	1	20%	1	3%
	469.9	0	0%	0	0%	0	0%	0	0%	2	33%	2	40%	4	13%
	470	0	0%	0	0%	0	0%	1	20%	3	50%	2	40%	6	20%
	477.5	0	0%	1	20%	0	0%	0	0%	0	0%	1	20%	2	7%
Total		0	0%	2	8%	0	0%	1	4%	5	17%	7	28%	15	10%
Louisville	594	0	0%	0	0%	0	0%	1	20%	0	0%	2	40%	3	10%
	608.7	0	0%	0	0%	1	14%	2	40%	0	0%	0	0%	3	10%
	619.3	4	67%	3	60%	1	14%	3	60%	3	50%	2	40%	16	53%
Total		4	22%	3	20%	2	10%	6	40%	3	17%	4	27%	22	24%
Evansville	791.5	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	2	7%
	793.7	2	33%	2	40%	2	29%	4	80%	4	67%	3	60%	17	57%
	797.3	0	0%	0	0%	0	0%	0	0%	1	17%	0	0%	1	3%
Total		2	11%	2	13%	2	10%	6	40%	5	28%	3	20%	20	22%

2008 Fecal Coliform and E. Coil Single Sample Criteria Violations

City	Mile Point	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations
		May		June		July		August		September		Ocotober		Annual Summary	
Pittsburgh	1.4 LDB	3	60%	5	100%	3	60%	3	60%	2	40%	2	40%	18	60%
	1.4 MID	5	100%	4	80%	3	60%	2	40%	2	40%	3	60%	19	63%
	1.4 RDB	3	60%	5	100%	3	60%	2	40%	2	40%	1	20%	16	53%
	4.3	4	80%	5	100%	4	80%	1	20%	1	20%	2	40%	17	57%
Total		15	75%	19	95%	13	65%	8	40%	7	35%	8	40%	70	58%
Wheeling	84.2	3	60%	2	40%	1	20%	0	0%	0	0%	0	0%	6	20%
	86.8	3	60%	2	40%	1	20%	0	0%	0	0%	0	0%	6	20%
	91.4	3	60%	3	60%	2	40%	0	0%	0	0%	1	20%	9	30%
	92.8	3	60%	4	80%	3	60%	1	20%	3	60%	1	20%	15	50%
Total		12	60%	11	55%	7	35%	1	5%	3	15%	2	10%	36	30%
Huntington	305.1	1	20%	1	20%	1	20%	0	0%	0	0%	0	0%	3	10%
	308.1	2	40%	0	0%	4	80%	2	40%	0	0%	0	0%	8	27%
	314.8	3	60%	2	40%	0	0%	0	0%	0	0%	0	0%	5	17%
Total		6	40%	3	20%	5	33%	2	13%	0	0%	0	0%	16	18%
Cincinnati	462.6	2	40%	1	20%	0	0%	0	0%	0	0%	0	0%	3	10%
	463.9	2	40%	1	20%	0	0%	0	0%	0	0%	0	0%	3	10%
	469.9	2	40%	0	0%	1	20%	1	20%	1	20%	0	0%	5	17%
	470	2	40%	2	40%	1	20%	1	20%	1	20%	0	0%	7	23%
	477.5	3	60%	1	20%	1	20%	0	0%	2	40%	0	0%	7	23%
Total		11	44%	5	20%	3	12%	2	8%	4	16%	0	0%	25	17%
Louisville	594	2	40%	3	60%	0	0%	0	0%	0	0%	0	0%	5	17%
	608.7	1	20%	3	60%	0	0%	0	0%	0	0%	0	0%	4	13%
	619.3	2	40%	2	40%	1	20%	2	40%	3	60%	3	50%	13	43%
Total		5	33%	8	53%	1	7%	2	13%	3	20%	3	17%	22	24%
Evansville	791.5	2	40%	1	20%	0	0%	0	0%	0	0%	0	0%	3	10%
	793.7	2	40%	1	20%	2	40%	0	0%	2	40%	1	20%	8	27%
	797.3	2	40%	3	60%	1	20%	0	0%	0	0%	0	0%	6	20%
Total		6	40%	5	33%	3	20%	0	0%	2	13%	1	7%	17	19%

2009 Fecal Coliform and E. Coil Single Sample Criteria Violations

City	Mile Point	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations
		May		June		July		August		September		Ocotober		Annual Summary	
Pittsburgh	1.4 LDB	2	40%	2	40%	3	60%	2	40%	4	80%	2	67%	15	50%
	1.4 MID	3	60%	2	40%	4	80%	2	40%	4	80%	2	67%	17	57%
	1.4 RDB	3	60%	2	40%	4	80%	2	40%	4	80%	1	33%	16	53%
	4.3	3	60%	1	20%	3	60%	2	40%	4	80%	2	67%	15	50%
Total		11	55%	7	35%	14	70%	8	40%	16	80%	7	58%	63	53%
Wheeling	84.2	1	20%	1	20%	1	20%	1	20%	0	0%	1	20%	5	17%
	86.8	1	20%	2	40%	0	0%	0	0%	0	0%	0	0%	3	10%
	91.4	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	1	3%
	92.8	3	60%	4	80%	2	40%	1	20%	0	0%	1	20%	11	37%
Total		5	25%	8	40%	3	15%	2	10%	0	0%	2	10%	20	17%
Huntington	305.1	1	20%	0	0%	0	0%	1	20%	0	0%	0	0%	2	7%
	308.1	1	20%	2	40%	1	20%	3	60%	0	0%	0	0%	7	23%
	314.8	3	60%	0	0%	1	20%	2	40%	0	0%	0	0%	6	20%
Total		5	33%	2	13%	2	13%	6	40%	0	0%	0	0%	15	17%
Cincinnati	462.6	1	20%	0	0%	1	20%	1	20%	1	20%	0	0%	4	13%
	463.9	1	20%	0	0%	0	0%	0	0%	1	20%	1	20%	3	10%
	469.9	1	20%	1	20%	2	40%	2	40%	2	40%	1	20%	9	30%
	470	1	20%	1	20%	1	20%	2	40%	3	60%	0	0%	8	27%
	477.5	1	20%	1	20%	3	60%	2	40%	3	60%	1	20%	11	37%
Total		5	20%	3	12%	7	28%	7	28%	10	40%	3	12%	35	23%
Louisville	594	0	0%	2	40%	0	0%	1	20%	1	20%	2	40%	6	20%
	608.7	0	0%	1	20%	1	20%	2	40%	1	20%	1	20%	6	20%
	619.3	0	0%	3	60%	2	40%	2	40%	2	33%	3	60%	12	40%
Total		0	0%	6	40%	3	20%	5	33%	4	24%	6	40%	24	27%
Evansville	791.5	1	20%	0	0%	0	0%	1	20%	1	20%	1	20%	4	13%
	793.7	2	40%	1	20%	2	40%	2	40%	2	40%	1	20%	10	33%
	797.3	1	20%	0	0%	1	20%	2	40%	1	20%	1	20%	6	20%
Total		4	27%	1	7%	3	20%	5	33%	4	27%	3	20%	20	22%

2010 Fecal Coliform and E. Coil Single Sample Criteria Violations

City	Mile Point	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations
		May		June		July		August		September		Ocotober		Annual Summary	
Pittsburgh	1.4 MID	4	80%	5	100%	2	40%	2	40%	3	60%	2	40%	20	67%
	4.3	4	80%	5	100%	2	40%	2	40%	3	60%	4	80%	18	60%
Total		8	80%	10	100%	4	40%	4	40%	6	60%	6	60%	38	63%
Wheeling	86.8	1	20%	3	60%	0	0%	1	20%	0	0%	0	0%	5	17%
	92.8	3	60%	5	100%	4	80%	2	40%	2	40%	1	20%	16	53%
Total		4	40%	8	80%	4	40%	3	30%	2	20%	1	10%	21	35%
Huntington	305.1	2	40%	2	40%	0	0%	0	0%	0	0%	0	0%	4	13%
	314.8	2	40%	3	60%	2	40%	0	0%	0	0%	0	0%	7	23%
Total		4	40%	5	50%	2	20%	0	0%	0	0%	0	0%	11	18%
Cincinnati	462.6	1	20%	3	60%	1	20%	0	0%	0	0%	0	0%	5	17%
	463.9	4	80%	2	40%	1	20%	0	0%	0	0%	0	0%	7	23%
	469.9	4	80%	3	60%	1	20%	0	0%	0	0%	0	0%	8	27%
	470	4	80%	3	60%	1	20%	0	0%	0	0%	0	0%	8	27%
	477.5	3	60%	4	80%	1	20%	0	0%	0	0%	0	0%	8	27%
Total		16	64%	15	60%	5	20%	0	0%	0	0%	0	0%	36	24%
Louisville	594	1	20%	1	20%	1	20%	0	0%	1	20%	0	0%	4	13%
	619.3	3	60%	4	80%	2	40%	2	40%	1	20%	0	0%	12	40%
Total		4	40%	5	50%	3	30%	2	20%	2	20%	0	0%	16	27%
Evansville	791.5	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%
	793.7	1	20%	1	20%	2	40%	0	0%	1	20%	1	20%	6	20%
Total		2	20%	1	10%	2	20%	0	0%	1	10%	1	10%	7	12%

2011 Fecal Coliform and E. Coil Single Sample Criteria Violations

City	Mile Point	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations	No. of Violations	Percent Violations
		May		June		July		August		September		Ocotober		Annual Summary	
Pittsburgh	1.4 MID	1	20%	3	60%	5	100%	4	80%	5	100%	3	60%	21	70%
	4.3	1	20%	3	60%	5	100%	3	60%	5	100%	4	80%	21	70%
Total		2	20%	6	60%	10	100%	7	70%	10	100%	7	70%	42	70%
Wheeling	86.8	3	60%	1	20%	0	0%	2	40%	3	60%	1	20%	10	33%
	92.8	2	40%	4	80%	3	60%	3	60%	5	100%	3	60%	20	67%
Total		5	50%	5	50%	3	30%	5	50%	8	80%	4	40%	30	50%
Huntington	305.1	0	20%	1	0%	0	0%	0	20%	1	0%	0	0%	2	7%
	314.8	2	60%	1	0%	2	20%	0	40%	1	0%	1	0%	7	23%
Total		2	40%	2	0%	2	10%	0	30%	2	0%	1	0%	9	15%
Cincinnati	462.6	2	40%	3	60%	0	0%	0	0%	0	0%	0	0%	5	17%
	463.9	1	20%	2	40%	0	0%	0	0%	0	0%	0	0%	3	10%
	469.9	2	40%	3	60%	1	20%	1	20%	1	20%	0	0%	8	27%
	470	3	60%	3	60%	0	0%	1	20%	1	20%	1	20%	9	30%
	477.5	2	40%	3	60%	1	20%	1	20%	3	60%	1	20%	11	37%
Total		10	40%	14	56%	2	8%	3	12%	5	20%	2	8%	36	24%
Louisville	594	1	20%	1	20%	1	20%	0	0%	0	0%	0	0%	3	10%
	619.3	2	40%	1	20%	0	0%	0	0%	3	60%	1	20%	7	23%
Total		3	30%	2	20%	1	10%	0	0%	3	30%	1	10%	10	17%
Evansville	791.5	1	20%	0	0%	0	0%	0	0%	1	20%	0	0%	2	7%
	793.7	1	20%	2	40%	1	20%	0	0%	2	40%	0	0%	6	20%
Total		2	20%	2	20%	1	10%	0	0%	3	30%	0	0%	8	14%

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4R	Pittsburgh	15-May-07		60	8	
1.4R	Pittsburgh	22-May-07		130	90	
1.4R	Pittsburgh	24-May-07		40	32	
1.4R	Pittsburgh	29-May-07		128	51	
1.4R	Pittsburgh	31-May-07		69	31	
			Geometric Mean	77	33	
1.4M	Pittsburgh	15-May-07		20	8	
1.4M	Pittsburgh	22-May-07		100	74	
1.4M	Pittsburgh	24-May-07		57	40	
1.4M	Pittsburgh	29-May-07		68	80	
1.4M	Pittsburgh	31-May-07		51	24	
			Geometric Mean	52	34	
1.4L	Pittsburgh	15-May-07		56	20	
1.4L	Pittsburgh	22-May-07		120	210	
1.4L	Pittsburgh	24-May-07		71	37	
1.4L	Pittsburgh	29-May-07		116	52	
1.4L	Pittsburgh	31-May-07		108	96	
			Geometric Mean	90	60	
4.3	Pittsburgh	15-May-07		76	20	
4.3	Pittsburgh	22-May-07		43	48	
4.3	Pittsburgh	24-May-07		52	37	
4.3	Pittsburgh	29-May-07		188	16	
4.3	Pittsburgh	31-May-07		84	32	
			Geometric Mean	77	28	
1.4R	Pittsburgh	12-Jun-07		132	80	
1.4R	Pittsburgh	19-Jun-07		48	40	
1.4R	Pittsburgh	21-Jun-07		450	180	**EXCEEDS**
1.4R	Pittsburgh	26-Jun-07		80	84	
1.4M	Pittsburgh	12-Jun-07		84	100	
1.4M	Pittsburgh	19-Jun-07		50	31	
1.4M	Pittsburgh	21-Jun-07		800	600	**EXCEEDS**
1.4M	Pittsburgh	26-Jun-07		51	34	
1.4L	Pittsburgh	12-Jun-07		108	70	
1.4L	Pittsburgh	19-Jun-07		80	36	
1.4L	Pittsburgh	21-Jun-07		580	270	**EXCEEDS**
1.4L	Pittsburgh	26-Jun-07		57	20	
4.3	Pittsburgh	12-Jun-07		176	88	
4.3	Pittsburgh	19-Jun-07		51	40	
4.3	Pittsburgh	21-Jun-07		700	500	**EXCEEDS**
4.3	Pittsburgh	26-Jun-07		330	209	
1.4R	Pittsburgh	02-Jul-07		118	80	
1.4R	Pittsburgh	19-Jul-07		188	118	
1.4R	Pittsburgh	24-Jul-07		70	8	
1.4R	Pittsburgh	26-Jul-07		60	20	
1.4R	Pittsburgh	31-Jul-07		116	50	
			Geometric Mean	102	38	
1.4M	Pittsburgh	02-Jul-07		120	90	
1.4M	Pittsburgh	19-Jul-07		180	118	
1.4M	Pittsburgh	24-Jul-07		24	4	
1.4M	Pittsburgh	26-Jul-07		100	150	
1.4M	Pittsburgh	31-Jul-07		92	46	
			Geometric Mean	86	49	
1.4L	Pittsburgh	02-Jul-07		92	60	
1.4L	Pittsburgh	19-Jul-07		500	218	**EXCEEDS**
1.4L	Pittsburgh	24-Jul-07		160	4	
1.4L	Pittsburgh	26-Jul-07		20	4	
1.4L	Pittsburgh	31-Jul-07		66	63	
			Geometric Mean	99	27	
4.3	Pittsburgh	02-Jul-07		172	120	
4.3	Pittsburgh	19-Jul-07		64	140	
4.3	Pittsburgh	24-Jul-07		69	40	
4.3	Pittsburgh	26-Jul-07		28	4	
4.3	Pittsburgh	31-Jul-07		36	4	
			Geometric Mean	60	25	
1.4R	Pittsburgh	07-Aug-07		2800	1,700	**EXCEEDS**
1.4R	Pittsburgh	16-Aug-07		2800	4,800	**EXCEEDS**
1.4R	Pittsburgh	21-Aug-07		3500	600	**EXCEEDS**
1.4R	Pittsburgh	28-Aug-07		473	236	**EXCEEDS**
1.4R	Pittsburgh	30-Aug-07		300	155	
			Geometric Mean	1,312	709	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4M	Pittsburgh	07-Aug-07		3,800	1,300	**EXCEEDS**
1.4M	Pittsburgh	16-Aug-07		2,900	1,900	**EXCEEDS**
1.4M	Pittsburgh	21-Aug-07		20,000	1,200	**EXCEEDS**
1.4M	Pittsburgh	28-Aug-07		364	1,600	**EXCEEDS**
1.4M	Pittsburgh	30-Aug-07		450	500	**EXCEEDS**
			Geometric Mean	2,049	1,188	**EXCEEDS**
1.4L	Pittsburgh	07-Aug-07		2,500	800	**EXCEEDS**
1.4L	Pittsburgh	16-Aug-07		2,400	1,300	**EXCEEDS**
1.4L	Pittsburgh	21-Aug-07		3,500	6,000	**EXCEEDS**
1.4L	Pittsburgh	28-Aug-07		210	164	
1.4L	Pittsburgh	30-Aug-07		745	155	**EXCEEDS**
			Geometric Mean	1,269	692	**EXCEEDS**
4.3	Pittsburgh	07-Aug-07		2,800	800	**EXCEEDS**
4.3	Pittsburgh	16-Aug-07		1,100	2,100	**EXCEEDS**
4.3	Pittsburgh	21-Aug-07		6,000	6,000	**EXCEEDS**
4.3	Pittsburgh	28-Aug-07		490	200	**EXCEEDS**
4.3	Pittsburgh	30-Aug-07		500	200	**EXCEEDS**
			Geometric Mean	1,353	834	**EXCEEDS**
1.4R	Pittsburgh	04-Sep-07		2000	400	**EXCEEDS**
1.4R	Pittsburgh	18-Sep-07		2200	1,600	**EXCEEDS**
1.4R	Pittsburgh	20-Sep-07		104	44	
1.4R	Pittsburgh	25-Sep-07		40	70	
1.4R	Pittsburgh	27-Sep-07		1700	745	**EXCEEDS**
			Geometric Mean	500	271	**EXCEEDS**
1.4M	Pittsburgh	04-Sep-07		1,400	300	**EXCEEDS**
1.4M	Pittsburgh	18-Sep-07		2,500	340	**EXCEEDS**
1.4M	Pittsburgh	20-Sep-07		140	54	
1.4M	Pittsburgh	25-Sep-07		80	70	
1.4M	Pittsburgh	27-Sep-07		1,500	280	**EXCEEDS**
			Geometric Mean	567	161	**EXCEEDS**
1.4L	Pittsburgh	04-Sep-07		1,100	400	**EXCEEDS**
1.4L	Pittsburgh	18-Sep-07		3,900	1,300	**EXCEEDS**
1.4L	Pittsburgh	20-Sep-07		96	74	
1.4L	Pittsburgh	25-Sep-07		36	40	
1.4L	Pittsburgh	27-Sep-07		2,000	727	**EXCEEDS**
			Geometric Mean	495	257	**EXCEEDS**
4.3	Pittsburgh	04-Sep-07		100	160	
4.3	Pittsburgh	18-Sep-07		450	300	**EXCEEDS**
4.3	Pittsburgh	20-Sep-07		70	74	
4.3	Pittsburgh	25-Sep-07		20	4	
4.3	Pittsburgh	27-Sep-07		1,600	900	**EXCEEDS**
			Geometric Mean	159	105	
1.4R	Pittsburgh	02-Oct-07		100	54	
1.4R	Pittsburgh	09-Oct-07		157	100	
1.4R	Pittsburgh	16-Oct-07		100	210	
1.4R	Pittsburgh	23-Oct-07		168	63	
1.4R	Pittsburgh	30-Oct-07		280	818	**EXCEEDS**
			Geometric Mean	149	142	**EXCEEDS**
1.4M	Pittsburgh	02-Oct-07		140	40	
1.4M	Pittsburgh	09-Oct-07		92	120	
1.4M	Pittsburgh	16-Oct-07		269	40	
1.4M	Pittsburgh	23-Oct-07		116	100	
1.4M	Pittsburgh	30-Oct-07		3,400	230	**EXCEEDS**
			Geometric Mean	267	85	**EXCEEDS**
1.4L	Pittsburgh	02-Oct-07		170	63	
1.4L	Pittsburgh	09-Oct-07		260	90	
1.4L	Pittsburgh	16-Oct-07		140	100	
1.4L	Pittsburgh	23-Oct-07		260	124	
1.4L	Pittsburgh	30-Oct-07		520	280	**EXCEEDS**
			Geometric Mean	242	115	**EXCEEDS**
4.3	Pittsburgh	02-Oct-07		140	136	
4.3	Pittsburgh	09-Oct-07		63	40	
4.3	Pittsburgh	16-Oct-07		243	91	
4.3	Pittsburgh	23-Oct-07		96	68	
4.3	Pittsburgh	30-Oct-07		664	240	**EXCEEDS**
			Geometric Mean	169	96	
84.2	Wheeling	01-May-07		80	40	
84.2	Wheeling	08-May-07		48	20	
84.2	Wheeling	15-May-07		4	8	
84.2	Wheeling	22-May-07		210	152	
84.2	Wheeling	29-May-07		8	4	
			Geometric Mean	30	21	
86.8	Wheeling	01-May-07		54	36	
86.8	Wheeling	08-May-07		28	20	
86.8	Wheeling	15-May-07		4	16	
86.8	Wheeling	22-May-07		24	16	
86.8	Wheeling	29-May-07		20	4	
			Geometric Mean	20	15	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
91.4	Wheeling	01-May-07		108	34	
91.4	Wheeling	08-May-07		52	20	
91.4	Wheeling	15-May-07		12	16	
91.4	Wheeling	22-May-07		500	24	**EXCEEDS**
91.4	Wheeling	29-May-07		3,100	20	**EXCEEDS**
			Geometric Mean	160	22	
92.8	Wheeling	01-May-07		96	36	
92.8	Wheeling	08-May-07		200	172	
92.8	Wheeling	15-May-07		57	49	
92.8	Wheeling	22-May-07		156	52	
92.8	Wheeling	29-May-07		890	24	**EXCEEDS**
			Geometric Mean	172	52	
84.2	Wheeling	05-Jun-07		20,000	20,000	**EXCEEDS**
84.2	Wheeling	12-Jun-07		780	96	**EXCEEDS**
84.2	Wheeling	19-Jun-07		148	391	**EXCEEDS**
84.2	Wheeling	20-Jun-07		9,800	20,000	**EXCEEDS**
84.2	Wheeling	21-Jun-07		20,000	180	**EXCEEDS**
84.2	Wheeling	26-Jun-07		132	60	
			Geometric Mean	1,977	738	**EXCEEDS**
86.8	Wheeling	05-Jun-07		184	20,000	**EXCEEDS**
86.8	Wheeling	12-Jun-07		116	28	
86.8	Wheeling	19-Jun-07		300	280	**EXCEEDS**
86.8	Wheeling	20-Jun-07		204	64	
86.8	Wheeling	21-Jun-07		4,600	32	**EXCEEDS**
86.8	Wheeling	26-Jun-07		1,000	103	**EXCEEDS**
			Geometric Mean	426	179	**EXCEEDS**
91.4	Wheeling	05-Jun-07		200	20,000	**EXCEEDS**
91.4	Wheeling	12-Jun-07		308	20	
91.4	Wheeling	19-Jun-07		1,400	246	**EXCEEDS**
91.4	Wheeling	20-Jun-07		10,300	57	**EXCEEDS**
91.4	Wheeling	21-Jun-07		20,000	20,000	**EXCEEDS**
91.4	Wheeling	26-Jun-07		100	54	
			Geometric Mean	1,101	427	**EXCEEDS**
92.8	Wheeling	05-Jun-07		20,000	20,000	**EXCEEDS**
92.8	Wheeling	12-Jun-07		152	40	
92.8	Wheeling	19-Jun-07		580	250	**EXCEEDS**
92.8	Wheeling	20-Jun-07		20,000	540	**EXCEEDS**
92.8	Wheeling	21-Jun-07		20,000	20,000	**EXCEEDS**
92.8	Wheeling	26-Jun-07		500	320	**EXCEEDS**
			Geometric Mean	2,658	940	**EXCEEDS**
84.2	Wheeling	02-Jul-07		28	16	
84.2	Wheeling	10-Jul-07		60	20	
84.2	Wheeling	17-Jul-07		308	4	
84.2	Wheeling	24-Jul-07		1	66	
84.2	Wheeling	31-Jul-07		16	12	
			Geometric Mean	24	16	
86.8	Wheeling	02-Jul-07		20	12	
86.8	Wheeling	10-Jul-07		16	4	
86.8	Wheeling	17-Jul-07		48	4	
86.8	Wheeling	24-Jul-07		4	32	
86.8	Wheeling	31-Jul-07		4	4	
			Geometric Mean	12	8	
91.4	Wheeling	02-Jul-07		48	16	
91.4	Wheeling	10-Jul-07		72	28	
91.4	Wheeling	17-Jul-07		8	4	
91.4	Wheeling	24-Jul-07		56	40	
91.4	Wheeling	31-Jul-07		46	24	
			Geometric Mean	37	18	
92.8	Wheeling	02-Jul-07		80	136	
92.8	Wheeling	10-Jul-07		66	28	
92.8	Wheeling	17-Jul-07		240	44	
92.8	Wheeling	24-Jul-07		100	86	
92.8	Wheeling	31-Jul-07		180	32	
			Geometric Mean	118	54	
84.2	Wheeling	07-Aug-07		148	54	
84.2	Wheeling	14-Aug-07		1,000	360	**EXCEEDS**
84.2	Wheeling	21-Aug-07		670	290	**EXCEEDS**
84.2	Wheeling	23-Aug-07		470	390	**EXCEEDS**
84.2	Wheeling	28-Aug-07		236	242	**EXCEEDS**
			Geometric Mean	406	221	**EXCEEDS**
86.8	Wheeling	07-Aug-07		4	4	
86.8	Wheeling	14-Aug-07		30	10	
86.8	Wheeling	21-Aug-07		310	200	
86.8	Wheeling	23-Aug-07		580	390	**EXCEEDS**
86.8	Wheeling	28-Aug-07		84	84	
			Geometric Mean	71	48	
91.4	Wheeling	07-Aug-07		28	36	
91.4	Wheeling	14-Aug-07		124	36	
91.4	Wheeling	21-Aug-07		480	128	**EXCEEDS**
91.4	Wheeling	23-Aug-07		1,100	228	**EXCEEDS**
91.4	Wheeling	28-Aug-07		52	88	
			Geometric Mean	157	80	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
92.8	Wheeling	07-Aug-07		280	84	
92.8	Wheeling	14-Aug-07		280	92	
92.8	Wheeling	21-Aug-07		1,600	440	**EXCEEDS**
92.8	Wheeling	23-Aug-07		1,200	570	**EXCEEDS**
92.8	Wheeling	28-Aug-07		540	350	**EXCEEDS**
			Geometric Mean	605	232	**EXCEEDS**
84.2	Wheeling	04-Sep-07		490	450	**EXCEEDS**
84.2	Wheeling	11-Sep-07		144	36	
84.2	Wheeling	18-Sep-07		250	64	
84.2	Wheeling	20-Sep-07		92	76	
84.2	Wheeling	25-Sep-07		12	52	
			Geometric Mean	114	84	
86.8	Wheeling	04-Sep-07		24	32	
86.8	Wheeling	11-Sep-07		12	4	
86.8	Wheeling	18-Sep-07		69	4	
86.8	Wheeling	20-Sep-07		32	16	
86.8	Wheeling	25-Sep-07		12	24	
			Geometric Mean	24	11	
91.4	Wheeling	04-Sep-07		182	84	
91.4	Wheeling	11-Sep-07		700	4,500	**EXCEEDS**
91.4	Wheeling	18-Sep-07		12	4	
91.4	Wheeling	20-Sep-07		12	4	
91.4	Wheeling	25-Sep-07		4	10	
			Geometric Mean	37	36	
92.8	Wheeling	04-Sep-07		36	96	
92.8	Wheeling	11-Sep-07		1,410	709	**EXCEEDS**
92.8	Wheeling	18-Sep-07		216	92	
92.8	Wheeling	20-Sep-07		28	88	
92.8	Wheeling	25-Sep-07		20	12	
			Geometric Mean	91	92	
84.2	Wheeling	02-Oct-07		230	116	
84.2	Wheeling	09-Oct-07		800	340	**EXCEEDS**
84.2	Wheeling	16-Oct-07		20,000	572	**EXCEEDS**
84.2	Wheeling	23-Oct-07		474	1,000	**EXCEEDS**
84.2	Wheeling	30-Oct-07		52	54	
			Geometric Mean	619	261	**EXCEEDS**
86.8	Wheeling	02-Oct-07		170	56	
86.8	Wheeling	09-Oct-07		46	24	
86.8	Wheeling	16-Oct-07		211	20	
86.8	Wheeling	23-Oct-07		252	16	
86.8	Wheeling	30-Oct-07		240	50	
			Geometric Mean	158	29	
91.4	Wheeling	02-Oct-07		60	32	
91.4	Wheeling	09-Oct-07		108	8	
91.4	Wheeling	16-Oct-07		96	148	
91.4	Wheeling	23-Oct-07		282	52	
91.4	Wheeling	30-Oct-07		128	44	
			Geometric Mean	118	39	
92.8	Wheeling	02-Oct-07		71	180	
92.8	Wheeling	09-Oct-07		2,000	260	**EXCEEDS**
92.8	Wheeling	16-Oct-07		76	2,200	**EXCEEDS**
92.8	Wheeling	23-Oct-07		370	104	
92.8	Wheeling	30-Oct-07		1,180	49	**EXCEEDS**
			Geometric Mean	342	221	**EXCEEDS**

Ohio River Bacteria levels were unusually elevated in Wheeling during the month of June. The samples taken on June 19, 20, and 21 showed signs of "confluent growth" (CG) on the plates. Duplicate samples were taken on June 26 and were analyzed by TraDet Laboratories in Wheeling, WV and Cardinal Environmental Laboratories in Youngstown, OH to eliminate the possibility of laboratory error. Wheeling Water Pollution Control Division also had a set of samples they took on June 26 analyzed to help figure out what might be going on. All three laboratories showed similar results, including CG for June 26. One possibility for the CG may be due to the low flow on the Ohio River, We are still investingating the cause of the unusual levels detected, but it appears to be surface water related.

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
305.1	Huntington	01-May-07		5,000	3,300	**EXCEEDS**
305.1	Huntington	08-May-07		28	36	
305.1	Huntington	15-May-07		16	4	
305.1	Huntington	22-May-07		8	4	
305.1	Huntington	29-May-07		4	8	
			Geometric Mean	37	27	
308.1	Huntington	01-May-07		86	63	
308.1	Huntington	08-May-07		489	450	**EXCEEDS**
308.1	Huntington	15-May-07		3,200	1,055	**EXCEEDS**
308.1	Huntington	22-May-07		84	74	
308.1	Huntington	29-May-07		40	32	
			Geometric Mean	214	148	**EXCEEDS**
314.8	Huntington	01-May-07		149	103	
314.8	Huntington	08-May-07		420	310	**EXCEEDS**
314.8	Huntington	15-May-07		156	80	
314.8	Huntington	22-May-07		104	69	
314.8	Huntington	29-May-07		36	36	
			Geometric Mean	130	91	
305.1	Huntington	05-Jun-07		266	191	
305.1	Huntington	12-Jun-07		12	4	
305.1	Huntington	19-Jun-07		20	20	
305.1	Huntington	21-Jun-07		4	4	
305.1	Huntington	26-Jun-07		12	4	
			Geometric Mean	20	12	
308.1	Huntington	05-Jun-07		114	60	
308.1	Huntington	12-Jun-07		192	140	
308.1	Huntington	19-Jun-07		100	69	
308.1	Huntington	21-Jun-07		49	4	
308.1	Huntington	26-Jun-07		410	84	**EXCEEDS**
			Geometric Mean	134	45	
314.8	Huntington	05-Jun-07		220	217	
314.8	Huntington	12-Jun-07		68	28	
314.8	Huntington	19-Jun-07		77	4	
314.8	Huntington	21-Jun-07		108	12	
314.8	Huntington	26-Jun-07		108	20	
			Geometric Mean	106	23	
305.1	Huntington	02-Jul-07		4	4	
305.1	Huntington	10-Jul-07		4	4	
305.1	Huntington	17-Jul-07		4	4	
305.1	Huntington	24-Jul-07		4	8	
305.1	Huntington	31-Jul-07		4	4	
			Geometric Mean	4	5	
308.1	Huntington	02-Jul-07		88	24	
308.1	Huntington	10-Jul-07		96	28	
308.1	Huntington	17-Jul-07		440	420	**EXCEEDS**
308.1	Huntington	24-Jul-07		370	132	
308.1	Huntington	31-Jul-07		570	257	**EXCEEDS**
			Geometric Mean	239	99	**EXCEEDS**
314.8	Huntington	02-Jul-07		180	80	
314.8	Huntington	10-Jul-07		191	77	
314.8	Huntington	17-Jul-07		66	36	
314.8	Huntington	24-Jul-07		136	60	
314.8	Huntington	31-Jul-07		380	12	
			Geometric Mean	164	44	
305.1	Huntington	07-Aug-07		20	12	
305.1	Huntington	14-Aug-07		8	4	
305.1	Huntington	21-Aug-07		12	12	
305.1	Huntington	23-Aug-07		80	32	
305.1	Huntington	28-Aug-07		16	8	
			Geometric Mean	19	11	
308.1	Huntington	07-Aug-07		623	540	**EXCEEDS**
308.1	Huntington	14-Aug-07		1,455	590	**EXCEEDS**
308.1	Huntington	21-Aug-07		5,400	1,409	**EXCEEDS**
308.1	Huntington	23-Aug-07		3,200	1,064	**EXCEEDS**
308.1	Huntington	28-Aug-07		40	40	
			Geometric Mean	911	453	**EXCEEDS**
314.8	Huntington	07-Aug-07		230	66	
314.8	Huntington	14-Aug-07		203	83	
314.8	Huntington	21-Aug-07		420	104	**EXCEEDS**
314.8	Huntington	23-Aug-07		88	66	
314.8	Huntington	28-Aug-07		240	114	
			Geometric Mean	211	84	**EXCEEDS**
305.1	Huntington	04-Sep-07		8	8	
305.1	Huntington	11-Sep-07		16	4	
305.1	Huntington	18-Sep-07		4	4	
305.1	Huntington	20-Sep-07		4	4	
305.1	Huntington	25-Sep-07		4	4	
			Geometric Mean	6	5	
308.1	Huntington	04-Sep-07		136	92	
308.1	Huntington	11-Sep-07		2,000	470	**EXCEEDS**
308.1	Huntington	18-Sep-07		180	106	
308.1	Huntington	20-Sep-07		32	24	
308.1	Huntington	25-Sep-07		68	32	
			Geometric Mean	161	81	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
314.8	Huntington	04-Sep-07		77	32	
314.8	Huntington	11-Sep-07		120	40	
314.8	Huntington	18-Sep-07		37	20	
314.8	Huntington	20-Sep-07		51	32	
314.8	Huntington	25-Sep-07		68	16	
			Geometric Mean	65	27	
305.1	Huntington	02-Oct-07		20	16	
305.1	Huntington	09-Oct-07		20	4	
305.1	Huntington	16-Oct-07		4	4	
305.1	Huntington	23-Oct-07		4	4	
305.1	Huntington	30-Oct-07		12	4	
			Geometric Mean	9	5	
308.1	Huntington	02-Oct-07		16	12	
308.1	Huntington	09-Oct-07		32	12	
308.1	Huntington	16-Oct-07		28	8	
308.1	Huntington	23-Oct-07		116	69	
308.1	Huntington	30-Oct-07		40	20	
			Geometric Mean	37	17	
314.8	Huntington	02-Oct-07		74	28	
314.8	Huntington	09-Oct-07		77	4	
314.8	Huntington	16-Oct-07		100	60	
314.8	Huntington	23-Oct-07		66	63	
314.8	Huntington	30-Oct-07		176	69	
			Geometric Mean	92	31	
462.6	Cincinnati	01-May-07		56	56	
462.6	Cincinnati	08-May-07		20	24	
462.6	Cincinnati	15-May-07		20	4	
462.6	Cincinnati	22-May-07		16	20	
462.6	Cincinnati	29-May-07		28	28	
			Geometric Mean	25	20	
463.9	Cincinnati AquaRamp	01-May-07		92	46	
463.9	Cincinnati AquaRamp	08-May-07		16	8	
463.9	Cincinnati AquaRamp	15-May-07		4	12	
463.9	Cincinnati AquaRamp	22-May-07		4	8	
463.9	Cincinnati AquaRamp	29-May-07		4	4	
			Geometric Mean	10	11	
469.9	Cincinnati Who-Day Dock	01-May-07		63	57	
469.9	Cincinnati Who-Day Dock	08-May-07		24	24	
469.9	Cincinnati Who-Day Dock	15-May-07		90	12	
469.9	Cincinnati Who-Day Dock	22-May-07		43	28	
469.9	Cincinnati Who-Day Dock	29-May-07		20	34	
			Geometric Mean	41	27	
470	Cincinnati	01-May-07		129	86	
470	Cincinnati	08-May-07		97	74	
470	Cincinnati	15-May-07		12	10	
470	Cincinnati	22-May-07		40	8	
470	Cincinnati	29-May-07		46	32	
			Geometric Mean	49	28	
477.5	Cincinnati	01-May-07		92	92	
477.5	Cincinnati	08-May-07		20	40	
477.5	Cincinnati	15-May-07		164	16	
477.5	Cincinnati	22-May-07		16	8	
477.5	Cincinnati	29-May-07		16	16	
			Geometric Mean	38	24	
462.6	Cincinnati	05-Jun-07		76	50	
462.6	Cincinnati	12-Jun-07		20	10	
462.6	Cincinnati	19-Jun-07		24	16	
462.6	Cincinnati	21-Jun-07		40	12	
462.6	Cincinnati	26-Jun-07		791	764	**EXCEEDS**
			Geometric Mean	65	37	
463.9	Cincinnati AquaRamp	05-Jun-07		24	4	
463.9	Cincinnati AquaRamp	12-Jun-07		10	4	
463.9	Cincinnati AquaRamp	19-Jun-07		4	4	
463.9	Cincinnati AquaRamp	21-Jun-07		4	4	
463.9	Cincinnati AquaRamp	26-Jun-07		46	16	
			Geometric Mean	11	5	
469.9	Cincinnati Who-Day Dock	05-Jun-07		150	66	
469.9	Cincinnati Who-Day Dock	12-Jun-07		52	8	
469.9	Cincinnati Who-Day Dock	19-Jun-07		12	20	
469.9	Cincinnati Who-Day Dock	21-Jun-07		32	24	
469.9	Cincinnati Who-Day Dock	26-Jun-07		160	56	
			Geometric Mean	54	27	
470	Cincinnati	05-Jun-07		288	112	
470	Cincinnati	12-Jun-07		38	29	
470	Cincinnati	19-Jun-07		168	96	
470	Cincinnati	21-Jun-07		69	57	
470	Cincinnati	26-Jun-07		223	63	
			Geometric Mean	123	65	
477.5	Cincinnati	05-Jun-07		1,327	670	**EXCEEDS**
477.5	Cincinnati	12-Jun-07		53	38	
477.5	Cincinnati	19-Jun-07		28	16	
477.5	Cincinnati	21-Jun-07		71	28	
477.5	Cincinnati	26-Jun-07		71	8	
			Geometric Mean	100	39	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
462.6	Cincinnati	02-Jul-07		24	8	
462.6	Cincinnati	10-Jul-07		16	4	
462.6	Cincinnati	17-Jul-07		44	28	
462.6	Cincinnati	24-Jul-07		4	8	
462.6	Cincinnati	31-Jul-07		32	8	
			Geometric Mean	18	9	
463.9	Cincinnati AquaRamp	02-Jul-07		32	16	
463.9	Cincinnati AquaRamp	10-Jul-07		4	4	
463.9	Cincinnati AquaRamp	17-Jul-07		24	4	
463.9	Cincinnati AquaRamp	24-Jul-07		4	4	
463.9	Cincinnati AquaRamp	31-Jul-07		12	4	
			Geometric Mean	11	5	
469.9	Cincinnati Who-Day Dock	02-Jul-07		96	48	
469.9	Cincinnati Who-Day Dock	10-Jul-07		20	16	
469.9	Cincinnati Who-Day Dock	17-Jul-07		92	44	
469.9	Cincinnati Who-Day Dock	24-Jul-07		54	4	
469.9	Cincinnati Who-Day Dock	31-Jul-07		20	12	
			Geometric Mean	45	17	
470	Cincinnati	02-Jul-07		32	12	
470	Cincinnati	10-Jul-07		217	117	
470	Cincinnati	17-Jul-07		40	28	
470	Cincinnati	24-Jul-07		28	4	
470	Cincinnati	31-Jul-07		32	31	
			Geometric Mean	48	22	
477.5	Cincinnati	02-Jul-07		104	44	
477.5	Cincinnati	10-Jul-07		183	77	
477.5	Cincinnati	17-Jul-07		168	60	
477.5	Cincinnati	24-Jul-07		52	12	
477.5	Cincinnati	31-Jul-07		84	16	
			Geometric Mean	107	33	
462.6	Cincinnati	07-Aug-07		240	108	
462.6	Cincinnati	14-Aug-07		16	12	
462.6	Cincinnati	21-Aug-07		152	148	
462.6	Cincinnati	23-Aug-07		290	150	
462.6	Cincinnati	28-Aug-07		36	12	
			Geometric Mean	91	51	
463.9	Cincinnati AquaRamp	07-Aug-07		8	4	
463.9	Cincinnati AquaRamp	14-Aug-07		4	4	
463.9	Cincinnati AquaRamp	21-Aug-07		24	16	
463.9	Cincinnati AquaRamp	23-Aug-07		60	44	
463.9	Cincinnati AquaRamp	28-Aug-07		4	4	
			Geometric Mean	11	9	
469.9	Cincinnati Who-Day Dock	07-Aug-07		290	172	
469.9	Cincinnati Who-Day Dock	14-Aug-07		32	20	
469.9	Cincinnati Who-Day Dock	21-Aug-07		24	16	
469.9	Cincinnati Who-Day Dock	23-Aug-07		163	104	
469.9	Cincinnati Who-Day Dock	28-Aug-07		16	8	
			Geometric Mean	57	34	
470	Cincinnati	07-Aug-07		280	116	
470	Cincinnati	14-Aug-07		20	8	
470	Cincinnati	21-Aug-07		3,000	150	**EXCEEDS**
470	Cincinnati	23-Aug-07		92	44	
470	Cincinnati	28-Aug-07		40	56	
			Geometric Mean	144	51	
477.5	Cincinnati	07-Aug-07		54	36	
477.5	Cincinnati	14-Aug-07		76	12	
477.5	Cincinnati	21-Aug-07		164	80	
477.5	Cincinnati	23-Aug-07		44	24	
477.5	Cincinnati	28-Aug-07		4	12	
			Geometric Mean	41	25	
462.6	Cincinnati	04-Sep-07		20	8	
462.6	Cincinnati	11-Sep-07		28	12	
462.6	Cincinnati	18-Sep-07		12	4	
462.6	Cincinnati	20-Sep-07		12	4	
462.6	Cincinnati	26-Sep-07		28	4	
			Geometric Mean	19	6	
463.9	Cincinnati AquaRamp	04-Sep-07		4	4	
463.9	Cincinnati AquaRamp	11-Sep-07		4	4	
463.9	Cincinnati AquaRamp	18-Sep-07		4	4	
463.9	Cincinnati AquaRamp	20-Sep-07		4	4	
463.9	Cincinnati AquaRamp	26-Sep-07		4	4	
			Geometric Mean	4	4	
469.9	Cincinnati Who-Day Dock	04-Sep-07		8	16	
469.9	Cincinnati Who-Day Dock	11-Sep-07		2,100	1,200	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	18-Sep-07		48	36	
469.9	Cincinnati Who-Day Dock	20-Sep-07		56	4	
469.9	Cincinnati Who-Day Dock	26-Sep-07		148	88	
			Geometric Mean	92	48	
470	Cincinnati	04-Sep-07		77	28	
470	Cincinnati	11-Sep-07		2,200	973	**EXCEEDS**
470	Cincinnati	18-Sep-07		52	12	
470	Cincinnati	20-Sep-07		96	80	
470	Cincinnati	26-Sep-07		49	330	**EXCEEDS**
			Geometric Mean	133	97	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
477.5	Cincinnati	04-Sep-07		4	20	
477.5	Cincinnati	11-Sep-07		254	112	
477.5	Cincinnati	18-Sep-07		8	20	
477.5	Cincinnati	20-Sep-07		44	4	
477.5	Cincinnati	26-Sep-07		8	8	
			Geometric Mean	20	17	
462.6	Cincinnati	02-Oct-07		16	8	
462.6	Cincinnati	09-Oct-07		8	12	
462.6	Cincinnati	16-Oct-07		124	100	
462.6	Cincinnati	23-Oct-07		460	400	**EXCEEDS**
462.6	Cincinnati	30-Oct-07		120	50	
			Geometric Mean	61	45	
463.9	Cincinnati AquaRamp	02-Oct-07		4	4	
463.9	Cincinnati AquaRamp	09-Oct-07		4	4	
463.9	Cincinnati AquaRamp	16-Oct-07		4	8	
463.9	Cincinnati AquaRamp	23-Oct-07		700	410	**EXCEEDS**
463.9	Cincinnati AquaRamp	30-Oct-07		63	20	
			Geometric Mean	20	16	
469.9	Cincinnati Who-Day Dock	02-Oct-07		34	24	
469.9	Cincinnati Who-Day Dock	09-Oct-07		60	34	
469.9	Cincinnati Who-Day Dock	16-Oct-07		8,700	4,800	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	23-Oct-07		6,200	2,700	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	30-Oct-07		4	8	
			Geometric Mean	213	153	**EXCEEDS**
470	Cincinnati	02-Oct-07		60	24	
470	Cincinnati	09-Oct-07		24	16	
470	Cincinnati	16-Oct-07		350	836	**EXCEEDS**
470	Cincinnati	23-Oct-07		6,400	5,100	**EXCEEDS**
470	Cincinnati	30-Oct-07		56	12	
			Geometric Mean	178	114	
477.5	Cincinnati	02-Oct-07		71	64	
477.5	Cincinnati	09-Oct-07		171	16	
477.5	Cincinnati	16-Oct-07		132	71	
477.5	Cincinnati	23-Oct-07		10,800	5,700	**EXCEEDS**
477.5	Cincinnati	30-Oct-07		96	24	
			Geometric Mean	278	100	**EXCEEDS**
594	Louisville	01-May-07		54	31	
594	Louisville	08-May-07		52	4	
594	Louisville	15-May-07		20	4	
594	Louisville	23-May-07		100	108	
594	Louisville	30-May-07		40	20	
			Geometric Mean	47	16	
608.7	Louisville	01-May-07		69	49	
608.7	Louisville	08-May-07		12	4	
608.7	Louisville	15-May-07		20	12	
608.7	Louisville	23-May-07		183	20	
608.7	Louisville	30-May-07		17	8	
			Geometric Mean	35	13	
619.3	Louisville	01-May-07		2,000	129	**EXCEEDS**
619.3	Louisville	08-May-07		3,900	3,000	**EXCEEDS**
619.3	Louisville	15-May-07		2,400	80	**EXCEEDS**
619.3	Louisville	23-May-07		3,100	2,900	**EXCEEDS**
619.3	Louisville	30-May-07		63	40	
			Geometric Mean	1,296	324	**EXCEEDS**
594	Louisville	05-Jun-07		125	12	
594	Louisville	12-Jun-07		330	8	
594	Louisville	14-Jun-07		54	28	
594	Louisville	19-Jun-07		8	12	
594	Louisville	21-Jun-07		32	20	
			Geometric Mean	56	15	
608.7	Louisville	05-Jun-07		280	28	
608.7	Louisville	12-Jun-07		283	4	
608.7	Louisville	14-Jun-07		229	183	
608.7	Louisville	19-Jun-07		120	60	
608.7	Louisville	21-Jun-07		24	9	
			Geometric Mean	139	26	
619.3	Louisville	05-Jun-07		845	112	**EXCEEDS**
619.3	Louisville	12-Jun-07		764	20	**EXCEEDS**
619.3	Louisville	14-Jun-07		16	30	
619.3	Louisville	19-Jun-07		80	4	
619.3	Louisville	21-Jun-07		2,700	250	**EXCEEDS**
			Geometric Mean	295	37	**EXCEEDS**
594	Louisville	02-Jul-07		96	24	
594	Louisville	10-Jul-07		91	20	
594	Louisville	18-Jul-07		51	28	
594	Louisville	24-Jul-07		28	24	
594	Louisville	31-Jul-07		80	12	
			Geometric Mean	63	21	
608.7	Louisville	02-Jul-07		66	32	
608.7	Louisville	10-Jul-07		32	4	
608.7	Louisville	18-Jul-07		32	8	
608.7	Louisville	24-Jul-07		37	16	
608.7	Louisville	31-Jul-07		700	40	**EXCEEDS**
			Geometric Mean	71	15	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
619.3	Louisville	02-Jul-07		48	16	
619.3	Louisville	10-Jul-07		36	8	
619.3	Louisville	18-Jul-07		4,900	4,400	**EXCEEDS**
619.3	Louisville	24-Jul-07		88	74	
619.3	Louisville	31-Jul-07		192	51	
			Geometric Mean	170	73	
594	Louisville	07-Aug-07		54	4	
594	Louisville	14-Aug-07		37	4	
594	Louisville	21-Aug-07		2,100	200	**EXCEEDS**
594	Louisville	23-Aug-07		148	32	
594	Louisville	28-Aug-07		24	8	
			Geometric Mean	108	15	
608.7	Louisville	07-Aug-07		257	28	
608.7	Louisville	14-Aug-07		16	4	
608.7	Louisville	21-Aug-07		709	63	**EXCEEDS**
608.7	Louisville	23-Aug-07		745	360	**EXCEEDS**
608.7	Louisville	28-Aug-07		166	16	
			Geometric Mean	205	33	**EXCEEDS**
619.3	Louisville	07-Aug-07		590	84	**EXCEEDS**
619.3	Louisville	14-Aug-07		200	32	
619.3	Louisville	21-Aug-07		1,100	600	**EXCEEDS**
619.3	Louisville	23-Aug-07		1,330	240	**EXCEEDS**
619.3	Louisville	28-Aug-07		203	92	
			Geometric Mean	512	129	**EXCEEDS**
594	Louisville	04-Sep-07		12	4	
594	Louisville	11-Sep-07		12	4	
594	Louisville	18-Sep-07		4	4	
594	Louisville	25-Sep-07		8	8	
594	Louisville	27-Sep-07		80	44	
			Geometric Mean	13	7	
608.7	Louisville	04-Sep-07		8	12	
608.7	Louisville	11-Sep-07		148	83	
608.7	Louisville	18-Sep-07		48	8	
608.7	Louisville	25-Sep-07		194	116	
608.7	Louisville	27-Sep-07		370	80	
			Geometric Mean	84	37	
619.3	Louisville	04-Sep-07		12	12	
619.3	Louisville	11-Sep-07		350	340	**EXCEEDS**
619.3	Louisville	18-Sep-07		32	16	
619.3	Louisville	25-Sep-07		32	8	
619.3	Louisville	27-Sep-07		520	400	**EXCEEDS**
			Geometric Mean	74	46	
594	Louisville	02-Oct-07		4	4	
594	Louisville	09-Oct-07		71	16	
594	Louisville	16-Oct-07		460	330	**EXCEEDS**
594	Louisville	22-Oct-07		8	12	
594	Louisville	30-Oct-07		460	340	**EXCEEDS**
			Geometric Mean	54	39	
608.7	Louisville	02-Oct-07		48	12	
608.7	Louisville	09-Oct-07		63	32	
608.7	Louisville	16-Oct-07		320	60	
608.7	Louisville	22-Oct-07		171	49	
608.7	Louisville	30-Oct-07		63	16	
			Geometric Mean	101	28	
619.3	Louisville	02-Oct-07		217	211	
619.3	Louisville	09-Oct-07		460	69	**EXCEEDS**
619.3	Louisville	16-Oct-07		80	104	
619.3	Louisville	22-Oct-07		186	320	**EXCEEDS**
619.3	Louisville	30-Oct-07		68	32	
			Geometric Mean	159	109	
791.5	Evansville	01-May-07		136	52	
791.5	Evansville	08-May-07		70	16	
791.5	Evansville	15-May-07		12	4	
791.5	Evansville	22-May-07		40	10	
791.5	Evansville	29-May-07		44	17	
			Geometric Mean	46	14	
793.7	Evansville	01-May-07		137	4	
793.7	Evansville	08-May-07		800	300	**EXCEEDS**
793.7	Evansville	15-May-07		43	30	
793.7	Evansville	22-May-07		74	28	
793.7	Evansville	29-May-07		340	234	
			Geometric Mean	164	47	
797.3	Evansville	01-May-07		112	30	
797.3	Evansville	08-May-07		156	48	
797.3	Evansville	15-May-07		80	40	
797.3	Evansville	22-May-07		24	28	
797.3	Evansville	29-May-07		20	12	
			Geometric Mean	58	29	
791.5	Evansville	05-Jun-07		16	4	
791.5	Evansville	12-Jun-07		28	8	
791.5	Evansville	19-Jun-07		12	4	
791.5	Evansville	21-Jun-07		88	100	
791.5	Evansville	26-Jun-07		40	4	
			Geometric Mean	29	9	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2007

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
793.7	Evansville	05-Jun-07		240	40	
793.7	Evansville	12-Jun-07		216	34	
793.7	Evansville	19-Jun-07		650	51	**EXCEEDS**
793.7	Evansville	21-Jun-07		68	12	
793.7	Evansville	26-Jun-07		460	183	**EXCEEDS**
			Geometric Mean	254	43	**EXCEEDS**
797.3	Evansville	05-Jun-07		310	32	
797.3	Evansville	12-Jun-07		16	12	
797.3	Evansville	19-Jun-07		66	16	
797.3	Evansville	21-Jun-07		30	4	
797.3	Evansville	26-Jun-07		88	20	
			Geometric Mean	61	14	
791.5	Evansville	02-Jul-07		8	4	
791.5	Evansville	10-Jul-07		12	8	
791.5	Evansville	17-Jul-07		8	4	
791.5	Evansville	24-Jul-07		20	8	
791.5	Evansville	31-Jul-07		16	12	
			Geometric Mean	12	7	
793.7	Evansville	02-Jul-07		300	80	
793.7	Evansville	10-Jul-07		28	12	
793.7	Evansville	17-Jul-07		4	4	
793.7	Evansville	24-Jul-07		470	224	**EXCEEDS**
793.7	Evansville	31-Jul-07		410	144	**EXCEEDS**
			Geometric Mean	92	42	
797.3	Evansville	02-Jul-07		100	30	
797.3	Evansville	10-Jul-07		16	16	
797.3	Evansville	17-Jul-07		44	8	
797.3	Evansville	24-Jul-07		12	4	
797.3	Evansville	31-Jul-07		40	28	
			Geometric Mean	32	13	
791.5	Evansville	07-Aug-07		8	4	
791.5	Evansville	14-Aug-07		7	4	
791.5	Evansville	21-Aug-07		4	4	
791.5	Evansville	23-Aug-07		470	24	**EXCEEDS**
791.5	Evansville	28-Aug-07		500	71	**EXCEEDS**
			Geometric Mean	35	10	
793.7	Evansville	07-Aug-07		600	191	**EXCEEDS**
793.7	Evansville	14-Aug-07		230	180	
793.7	Evansville	21-Aug-07		650	280	**EXCEEDS**
793.7	Evansville	23-Aug-07		1,040	92	**EXCEEDS**
793.7	Evansville	28-Aug-07		457	136	**EXCEEDS**
			Geometric Mean	532	164	**EXCEEDS**
797.3	Evansville	07-Aug-07		28	8	
797.3	Evansville	14-Aug-07		12	4	
797.3	Evansville	21-Aug-07		390	24	
797.3	Evansville	23-Aug-07		230	37	
797.3	Evansville	28-Aug-07		210	36	
			Geometric Mean	91	16	
791.5	Evansville	04-Sep-07		10	28	
791.5	Evansville	11-Sep-07		24	4	
791.5	Evansville	18-Sep-07		4	10	
791.5	Evansville	20-Sep-07		4	4	
791.5	Evansville	25-Sep-07		20	4	
			Geometric Mean	9	7	
793.7	Evansville	04-Sep-07		520	160	**EXCEEDS**
793.7	Evansville	11-Sep-07		470	191	**EXCEEDS**
793.7	Evansville	18-Sep-07		300	108	
793.7	Evansville	20-Sep-07		216	120	
793.7	Evansville	25-Sep-07		10,100	84	**EXCEEDS**
			Geometric Mean	693	127	**EXCEEDS**
797.3	Evansville	04-Sep-07		92	12	
797.3	Evansville	11-Sep-07		60	40	
797.3	Evansville	18-Sep-07		32	4	
797.3	Evansville	20-Sep-07		4	8	
797.3	Evansville	25-Sep-07		6,200	16	**EXCEEDS**
			Geometric Mean	85	12	
791.5	Evansville	02-Oct-07		12	8	
791.5	Evansville	09-Oct-07		24	10	
791.5	Evansville	16-Oct-07		8	4	
791.5	Evansville	23-Oct-07		192	60	
791.5	Evansville	30-Oct-07		130	24	
			Geometric Mean	36	14	
793.7	Evansville	02-Oct-07		600	560	**EXCEEDS**
793.7	Evansville	09-Oct-07		192	84	
793.7	Evansville	16-Oct-07		500	223	**EXCEEDS**
793.7	Evansville	23-Oct-07		12,400	7,500	**EXCEEDS**
793.7	Evansville	30-Oct-07		156	57	
			Geometric Mean	645	339	**EXCEEDS**
797.3	Evansville	02-Oct-07		52	20	
797.3	Evansville	09-Oct-07		56	20	
797.3	Evansville	16-Oct-07		60	50	
797.3	Evansville	23-Oct-07		80	32	
797.3	Evansville	30-Oct-07		136	57	
			Geometric Mean	72	33	

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

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4R	Pittsburgh	06-May-08		120	30	
1.4R	Pittsburgh	13-May-08		2300	1,000	**EXCEEDS**
1.4R	Pittsburgh	20-May-08		1000	350	**EXCEEDS**
1.4R	Pittsburgh	22-May-08		1300	300	**EXCEEDS**
1.4R	Pittsburgh	27-May-08		270	100	
			Geometric Mean	627	199	**EXCEEDS**
1.4M	Pittsburgh	06-May-08		450	60	**EXCEEDS**
1.4M	Pittsburgh	13-May-08		1,800	1,900	**EXCEEDS**
1.4M	Pittsburgh	20-May-08		1,000	400	**EXCEEDS**
1.4M	Pittsburgh	22-May-08		709	500	**EXCEEDS**
1.4M	Pittsburgh	27-May-08		673	90	**EXCEEDS**
			Geometric Mean	827	290	**EXCEEDS**
1.4L	Pittsburgh	06-May-08		240	92	
1.4L	Pittsburgh	13-May-08		2,800	1,100	**EXCEEDS**
1.4L	Pittsburgh	20-May-08		1,273	300	**EXCEEDS**
1.4L	Pittsburgh	22-May-08		400	400	**EXCEEDS**
1.4L	Pittsburgh	27-May-08		300	88	
			Geometric Mean	634	255	**EXCEEDS**
4.3	Pittsburgh	06-May-08		430	60	**EXCEEDS**
4.3	Pittsburgh	13-May-08		3,300	1,100	**EXCEEDS**
4.3	Pittsburgh	20-May-08		800	200	**EXCEEDS**
4.3	Pittsburgh	22-May-08		750	80	**EXCEEDS**
4.3	Pittsburgh	27-May-08		230	71	
			Geometric Mean	722	150	**EXCEEDS**
1.4R	Pittsburgh	03-Jun-08		1136	400	**EXCEEDS**
1.4R	Pittsburgh	10-Jun-08		570	300	**EXCEEDS**
1.4R	Pittsburgh	17-Jun-08		1500	700	**EXCEEDS**
1.4R	Pittsburgh	19-Jun-08		900	60	**EXCEEDS**
1.4R	Pittsburgh	24-Jun-08		3300	1,700	**EXCEEDS**
			Geometric Mean	1236	386	**EXCEEDS**
1.4M	Pittsburgh	03-Jun-08		1,091	400	**EXCEEDS**
1.4M	Pittsburgh	10-Jun-08		400	140	
1.4M	Pittsburgh	17-Jun-08		2,100	900	**EXCEEDS**
1.4M	Pittsburgh	19-Jun-08		1,000	340	**EXCEEDS**
1.4M	Pittsburgh	24-Jun-08		2,900	500	**EXCEEDS**
			Geometric Mean	1216	386	**EXCEEDS**
1.4L	Pittsburgh	03-Jun-08		1,000	800	**EXCEEDS**
1.4L	Pittsburgh	10-Jun-08		550	260	**EXCEEDS**
1.4L	Pittsburgh	17-Jun-08		1,800	1,100	**EXCEEDS**
1.4L	Pittsburgh	19-Jun-08		1,000	360	**EXCEEDS**
1.4L	Pittsburgh	24-Jun-08		3,100	1,200	**EXCEEDS**
			Geometric Mean	1251	629	**EXCEEDS**
4.3	Pittsburgh	03-Jun-08		973	600	**EXCEEDS**
4.3	Pittsburgh	10-Jun-08		500	130	**EXCEEDS**
4.3	Pittsburgh	17-Jun-08		2,300	1,300	**EXCEEDS**
4.3	Pittsburgh	19-Jun-08		1,500	450	**EXCEEDS**
4.3	Pittsburgh	24-Jun-08		3,500	900	**EXCEEDS**
			Geometric Mean	1425	528	**EXCEEDS**
1.4R	Pittsburgh	01-Jul-08		6500	800	**EXCEEDS**
1.4R	Pittsburgh	08-Jul-08		7400	1,300	**EXCEEDS**
1.4R	Pittsburgh	15-Jul-08		310	200	
1.4R	Pittsburgh	22-Jul-08		3500	800	**EXCEEDS**
1.4R	Pittsburgh	29-Jul-08		210	40	
			Geometric Mean	1614	367	**EXCEEDS**
1.4M	Pittsburgh	01-Jul-08		3,500	700	**EXCEEDS**
1.4M	Pittsburgh	08-Jul-08		8,300	1,200	**EXCEEDS**
1.4M	Pittsburgh	15-Jul-08		236	82	
1.4M	Pittsburgh	22-Jul-08		2,600	600	**EXCEEDS**
1.4M	Pittsburgh	29-Jul-08		230	30	
			Geometric Mean	1326	262	**EXCEEDS**
1.4L	Pittsburgh	01-Jul-08		5,600	500	**EXCEEDS**
1.4L	Pittsburgh	08-Jul-08		8,900	1,200	**EXCEEDS**
1.4L	Pittsburgh	15-Jul-08		170	73	
1.4L	Pittsburgh	22-Jul-08		4,500	600	**EXCEEDS**
1.4L	Pittsburgh	29-Jul-08		191	50	
			Geometric Mean	1487	265	**EXCEEDS**
4.3	Pittsburgh	01-Jul-08		5,000	500	**EXCEEDS**
4.3	Pittsburgh	08-Jul-08		7,000	1,000	**EXCEEDS**
4.3	Pittsburgh	15-Jul-08		200	600	**EXCEEDS**
4.3	Pittsburgh	22-Jul-08		3,800	1,100	**EXCEEDS**
4.3	Pittsburgh	29-Jul-08		130	4	
			Geometric Mean	1282	266	**EXCEEDS**
1.4R	Pittsburgh	05-Aug-08		1200	400	**EXCEEDS**
1.4R	Pittsburgh	12-Aug-08		270	90	
1.4R	Pittsburgh	21-Aug-08		189	40	
1.4R	Pittsburgh	26-Aug-08		270	80	
1.4R	Pittsburgh	28-Aug-08		4500	1700	**EXCEEDS**
			Geometric Mean	595	181	**EXCEEDS**
1.4M	Pittsburgh	05-Aug-08		5900	1000	**EXCEEDS**
1.4M	Pittsburgh	12-Aug-08		220	60	
1.4M	Pittsburgh	21-Aug-08		171	80	
1.4M	Pittsburgh	26-Aug-08		152	60	
1.4M	Pittsburgh	28-Aug-08		4600	1600	**EXCEEDS**
			Geometric Mean	689	215	**EXCEEDS**
1.4L	Pittsburgh	05-Aug-08		500	200	**EXCEEDS**
1.4L	Pittsburgh	12-Aug-08		190	70	
1.4L	Pittsburgh	21-Aug-08		420	100	**EXCEEDS**
1.4L	Pittsburgh	26-Aug-08		150	80	
1.4L	Pittsburgh	28-Aug-08		2000	700	**EXCEEDS**
			Geometric Mean	413	151	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
4.3	Pittsburgh	05-Aug-08		209	60	
4.3	Pittsburgh	12-Aug-08		210	100	
4.3	Pittsburgh	21-Aug-08		92	30	
4.3	Pittsburgh	26-Aug-08		190	80	
4.3	Pittsburgh	28-Aug-08		2200	500	**EXCEEDS**
			Geometric Mean	279	94	**EXCEEDS**
1.4R	Pittsburgh	02-Sep-08		3600	600	**EXCEEDS**
1.4R	Pittsburgh	09-Sep-08		174	4	
1.4R	Pittsburgh	16-Sep-08		800	250	**EXCEEDS**
1.4R	Pittsburgh	23-Sep-08		269	60	
1.4R	Pittsburgh	30-Sep-08		270	30	
			Geometric Mean	515	64	**EXCEEDS**
1.4M	Pittsburgh	02-Sep-08		2400	1000	**EXCEEDS**
1.4M	Pittsburgh	09-Sep-08		163	4	
1.4M	Pittsburgh	16-Sep-08		680	220	**EXCEEDS**
1.4M	Pittsburgh	23-Sep-08		217	80	
1.4M	Pittsburgh	30-Sep-08		270	4	
			Geometric Mean	435	49	**EXCEEDS**
1.4L	Pittsburgh	02-Sep-08		3500	500	**EXCEEDS**
1.4L	Pittsburgh	09-Sep-08		152	4	
1.4L	Pittsburgh	16-Sep-08		818	200	**EXCEEDS**
1.4L	Pittsburgh	23-Sep-08		205	100	
1.4L	Pittsburgh	30-Sep-08		230	30	
			Geometric Mean	460	65	**EXCEEDS**
4.3	Pittsburgh	02-Sep-08		110	4	
4.3	Pittsburgh	09-Sep-08		92	16	
4.3	Pittsburgh	16-Sep-08		618	50	**EXCEEDS**
4.3	Pittsburgh	23-Sep-08		190	80	
4.3	Pittsburgh	30-Sep-08		120	80	
			Geometric Mean	170	29	
1.4R	Pittsburgh	07-Oct-08		160	70	
1.4R	Pittsburgh	14-Oct-08		140	71	
1.4R	Pittsburgh	21-Oct-08		164	71	
1.4R	Pittsburgh	23-Oct-08		189	40	
1.4R	Pittsburgh	28-Oct-08		4000	1800	**EXCEEDS**
			Geometric Mean	308	121	**EXCEEDS**
1.4M	Pittsburgh	07-Oct-08		200	31	
1.4M	Pittsburgh	14-Oct-08		140	81	
1.4M	Pittsburgh	21-Oct-08		530	170	**EXCEEDS**
1.4M	Pittsburgh	23-Oct-08		228	254	**EXCEEDS**
1.4M	Pittsburgh	28-Oct-08		3200	1600	**EXCEEDS**
			Geometric Mean	404	177	**EXCEEDS**
1.4L	Pittsburgh	07-Oct-08		250	43	
1.4L	Pittsburgh	14-Oct-08		240	129	
1.4L	Pittsburgh	21-Oct-08		570	186	**EXCEEDS**
1.4L	Pittsburgh	23-Oct-08		88	46	
1.4L	Pittsburgh	28-Oct-08		1900	900	**EXCEEDS**
			Geometric Mean	356	134	**EXCEEDS**
4.3	Pittsburgh	07-Oct-08		223	46	
4.3	Pittsburgh	14-Oct-08		63	37	
4.3	Pittsburgh	21-Oct-08		420	190	**EXCEEDS**
4.3	Pittsburgh	23-Oct-08		96	110	
4.3	Pittsburgh	28-Oct-08		3400	800	**EXCEEDS**
			Geometric Mean	286	123	**EXCEEDS**
84.2	Wheeling	06-May-08		112	16	
84.2	Wheeling	13-May-08		2,100	1,800	**EXCEEDS**
84.2	Wheeling	20-May-08		1,245	570	**EXCEEDS**
84.2	Wheeling	22-May-08		681	168	**EXCEEDS**
84.2	Wheeling	27-May-08		203	80	
			Geometric Mean	527	186	**EXCEEDS**
86.8	Wheeling	06-May-08		40	8	
86.8	Wheeling	13-May-08		5,100	2,500	**EXCEEDS**
86.8	Wheeling	20-May-08		3,500	1,030	**EXCEEDS**
86.8	Wheeling	22-May-08		468	437	**EXCEEDS**
86.8	Wheeling	27-May-08		60	20	
			Geometric Mean	458	178	**EXCEEDS**
91.4	Wheeling	06-May-08		80	4	
91.4	Wheeling	13-May-08		3,000	1,000	**EXCEEDS**
91.4	Wheeling	20-May-08		4,100	990	**EXCEEDS**
91.4	Wheeling	22-May-08		972	230	**EXCEEDS**
91.4	Wheeling	27-May-08		177	32	
			Geometric Mean	701	124	**EXCEEDS**
92.8	Wheeling	06-May-08		146	76	
92.8	Wheeling	13-May-08		3,400	980	**EXCEEDS**
92.8	Wheeling	20-May-08		10,100	6,600	**EXCEEDS**
92.8	Wheeling	22-May-08		570	450	**EXCEEDS**
92.8	Wheeling	27-May-08		200	216	
			Geometric Mean	894	544	**EXCEEDS**
84.2	Wheeling	03-Jun-08		40	20	
84.2	Wheeling	10-Jun-08		72	10,200	**EXCEEDS**
84.2	Wheeling	17-Jun-08		306	232	
84.2	Wheeling	19-Jun-08		144	2,000	**EXCEEDS**
84.2	Wheeling	24-Jun-08		7	20	
			Geometric Mean	62	285	**EXCEEDS**
86.8	Wheeling	03-Jun-08		32	4	
86.8	Wheeling	10-Jun-08		210	491	**EXCEEDS**
86.8	Wheeling	17-Jun-08		140	80	
86.8	Wheeling	19-Jun-08		72	460	**EXCEEDS**
86.8	Wheeling	24-Jun-08		36	40	
			Geometric Mean	75	78	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
91.4	Wheeling	03-Jun-08		1,820	36	**EXCEEDS**
91.4	Wheeling	10-Jun-08		5,400	3,100	**EXCEEDS**
91.4	Wheeling	17-Jun-08		76	92	
91.4	Wheeling	19-Jun-08		44	1,045	**EXCEEDS**
91.4	Wheeling	24-Jun-08		200	76	
			Geometric Mean	366	241	**EXCEEDS**
92.8	Wheeling	03-Jun-08		132	116	
92.8	Wheeling	10-Jun-08		18,500	20,000	**EXCEEDS**
92.8	Wheeling	17-Jun-08		188	350	**EXCEEDS**
92.8	Wheeling	19-Jun-08		231	3,500	**EXCEEDS**
92.8	Wheeling	24-Jun-08		520	172	**EXCEEDS**
			Geometric Mean	560	867	**EXCEEDS**
84.2	Wheeling	01-Jul-08		1,800	380	**EXCEEDS**
84.2	Wheeling	08-Jul-08		188	92	
84.2	Wheeling	15-Jul-08		36	36	
84.2	Wheeling	22-Jul-08		120	120	
84.2	Wheeling	29-Jul-08		4	28	
			Geometric Mean	90	84	
86.8	Wheeling	01-Jul-08		1,400	709	**EXCEEDS**
86.8	Wheeling	08-Jul-08		208	56	
86.8	Wheeling	15-Jul-08		32	24	
86.8	Wheeling	22-Jul-08		328	36	
86.8	Wheeling	29-Jul-08		4	8	
			Geometric Mean	104	49	
91.4	Wheeling	01-Jul-08		900	681	**EXCEEDS**
91.4	Wheeling	08-Jul-08		460	257	**EXCEEDS**
91.4	Wheeling	15-Jul-08		24	16	
91.4	Wheeling	22-Jul-08		271	84	
91.4	Wheeling	29-Jul-08		8	4	
			Geometric Mean	117	62	
92.8	Wheeling	01-Jul-08		8,600	2,600	**EXCEEDS**
92.8	Wheeling	08-Jul-08		228	310	**EXCEEDS**
92.8	Wheeling	15-Jul-08		80	74	
92.8	Wheeling	22-Jul-08		13,800	4,800	**EXCEEDS**
92.8	Wheeling	29-Jul-08		204	112	
			Geometric Mean	849	503	**EXCEEDS**
84.2	Wheeling	05-Aug-08		36	32	
84.2	Wheeling	12-Aug-08		28	4	
84.2	Wheeling	19-Aug-08		16	28	
84.2	Wheeling	21-Aug-08		40	4	
84.2	Wheeling	26-Aug-08		4	32	
			Geometric Mean	19	14	
86.8	Wheeling	05-Aug-08		240	88	
86.8	Wheeling	12-Aug-08		4	4	
86.8	Wheeling	19-Aug-08		12	8	
86.8	Wheeling	21-Aug-08		12	4	
86.8	Wheeling	26-Aug-08		4	16	
			Geometric Mean	14	11	
91.4	Wheeling	05-Aug-08		120	64	
91.4	Wheeling	12-Aug-08		12	4	
91.4	Wheeling	19-Aug-08		10	4	
91.4	Wheeling	21-Aug-08		8	10	
91.4	Wheeling	26-Aug-08		4	8	
			Geometric Mean	14	10	
92.8	Wheeling	05-Aug-08		4,000	2,800	**EXCEEDS**
92.8	Wheeling	12-Aug-08		331	36	
92.8	Wheeling	19-Aug-08		52	16	
92.8	Wheeling	21-Aug-08		52	8	
92.8	Wheeling	26-Aug-08		8	8	
			Geometric Mean	123	40	
84.2	Wheeling	02-Sep-08		40	20	
84.2	Wheeling	09-Sep-08		92	176	
84.2	Wheeling	16-Sep-08		320	88	
84.2	Wheeling	23-Sep-08		60	84	
84.2	Wheeling	30-Sep-08		96	12	
			Geometric Mean	93	50	
86.8	Wheeling	02-Sep-08		60	10	
86.8	Wheeling	09-Sep-08		4	8	
86.8	Wheeling	16-Sep-08		160	60	
86.8	Wheeling	23-Sep-08		28	16	
86.8	Wheeling	30-Sep-08		12	8	
			Geometric Mean	26	14	
91.4	Wheeling	02-Sep-08		4	4	
91.4	Wheeling	09-Sep-08		350	100	
91.4	Wheeling	16-Sep-08		128	120	
91.4	Wheeling	23-Sep-08		20	12	
91.4	Wheeling	30-Sep-08		317	16	
			Geometric Mean	65	25	
92.8	Wheeling	02-Sep-08		32	12	
92.8	Wheeling	09-Sep-08		420	208	**EXCEEDS**
92.8	Wheeling	16-Sep-08		420	374	**EXCEEDS**
92.8	Wheeling	23-Sep-08		28	4	
92.8	Wheeling	30-Sep-08		870	20	**EXCEEDS**
			Geometric Mean	169	38	
84.2	Wheeling	07-Oct-08		56	168	
84.2	Wheeling	14-Oct-08		28	32	
84.2	Wheeling	21-Oct-08		32	8	
84.2	Wheeling	23-Oct-08		44	12	
84.2	Wheeling	28-Oct-08		52	12	
			Geometric Mean	41	23	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
86.8	Wheeling	07-Oct-08		28	40	
86.8	Wheeling	14-Oct-08		12	8	
86.8	Wheeling	21-Oct-08		20	12	
86.8	Wheeling	23-Oct-08		36	8	
86.8	Wheeling	28-Oct-08		16	8	
			Geometric Mean	21	12	
91.4	Wheeling	07-Oct-08		470	7,300	**EXCEEDS**
91.4	Wheeling	14-Oct-08		24	8	
91.4	Wheeling	21-Oct-08		16	8	
91.4	Wheeling	23-Oct-08		8	4	
91.4	Wheeling	28-Oct-08		8	4	
			Geometric Mean	26	24	
92.8	Wheeling	07-Oct-08		44	710	**EXCEEDS**
92.8	Wheeling	14-Oct-08		8	4	
92.8	Wheeling	21-Oct-08		40	20	
92.8	Wheeling	23-Oct-08		32	16	
92.8	Wheeling	28-Oct-08		20	20	
			Geometric Mean	25	28	
305.1	Huntington	06-May-08		240	30	
305.1	Huntington	13-May-08		600	553	**EXCEEDS**
305.1	Huntington	20-May-08		176	104	
305.1	Huntington	22-May-08		330	220	
305.1	Huntington	27-May-08		48	32	
			Geometric Mean	209	104	**EXCEEDS**
308.1	Huntington	06-May-08		200	36	
308.1	Huntington	13-May-08		664	510	**EXCEEDS**
308.1	Huntington	20-May-08		782	520	**EXCEEDS**
308.1	Huntington	22-May-08		283	237	
308.1	Huntington	27-May-08		96	44	
			Geometric Mean	309	158	**EXCEEDS**
314.8	Huntington	06-May-08		310	66	
314.8	Huntington	13-May-08		370	310	**EXCEEDS**
314.8	Huntington	20-May-08		673	480	**EXCEEDS**
314.8	Huntington	22-May-08		430	410	**EXCEEDS**
314.8	Huntington	27-May-08		251	220	
			Geometric Mean	384	245	**EXCEEDS**
305.1	Huntington	03-Jun-08		234	174	
305.1	Huntington	10-Jun-08		440	226	**EXCEEDS**
305.1	Huntington	17-Jun-08		88	71	
305.1	Huntington	19-Jun-08		112	46	
305.1	Huntington	24-Jun-08		177	63	
			Geometric Mean	178	96	
308.1	Huntington	03-Jun-08		152	76	
308.1	Huntington	10-Jun-08		220	164	
308.1	Huntington	17-Jun-08		290	156	
308.1	Huntington	19-Jun-08		152	28	
308.1	Huntington	24-Jun-08		189	94	
			Geometric Mean	195	87	
314.8	Huntington	03-Jun-08		540	243	**EXCEEDS**
314.8	Huntington	10-Jun-08		818	550	**EXCEEDS**
314.8	Huntington	17-Jun-08		320	120	
314.8	Huntington	19-Jun-08		189	88	
314.8	Huntington	24-Jun-08		154	60	
			Geometric Mean	333	153	**EXCEEDS**
305.1	Huntington	01-Jul-08		820	420	**EXCEEDS**
305.1	Huntington	08-Jul-08		120	52	
305.1	Huntington	15-Jul-08		32	16	
305.1	Huntington	22-Jul-08		8	4	
305.1	Huntington	29-Jul-08		8	4	
			Geometric Mean	46	22	
308.1	Huntington	01-Jul-08		12,100	9,200	**EXCEEDS**
308.1	Huntington	08-Jul-08		570	231	**EXCEEDS**
308.1	Huntington	15-Jul-08		540	237	**EXCEEDS**
308.1	Huntington	22-Jul-08		1,445	773	**EXCEEDS**
308.1	Huntington	29-Jul-08		52	24	
			Geometric Mean	775	393	**EXCEEDS**
314.8	Huntington	01-Jul-08		214	128	
314.8	Huntington	08-Jul-08		144	116	
314.8	Huntington	15-Jul-08		186	54	
314.8	Huntington	22-Jul-08		143	48	
314.8	Huntington	29-Jul-08		32	8	
			Geometric Mean	121	50	
305.1	Huntington	05-Aug-08		32	4	
305.1	Huntington	12-Aug-08		4	4	
305.1	Huntington	19-Aug-08		4	4	
305.1	Huntington	21-Aug-08		4	4	
305.1	Huntington	26-Aug-08		4	4	
			Geometric Mean	6	4	
308.1	Huntington	05-Aug-08		991	645	**EXCEEDS**
308.1	Huntington	12-Aug-08		1,600	243	**EXCEEDS**
308.1	Huntington	19-Aug-08		183	80	
308.1	Huntington	21-Aug-08		126	114	
308.1	Huntington	26-Aug-08		149	86	
			Geometric Mean	353	165	**EXCEEDS**
314.8	Huntington	05-Aug-08		12	4	
314.8	Huntington	12-Aug-08		20	16	
314.8	Huntington	19-Aug-08		57	20	
314.8	Huntington	21-Aug-08		32	4	
314.8	Huntington	26-Aug-08		12	4	
			Geometric Mean	22	7	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
305.1	Huntington	02-Sep-08		12	4	
305.1	Huntington	09-Sep-08		4	4	
305.1	Huntington	16-Sep-08		4	4	
305.1	Huntington	23-Sep-08		20	8	
305.1	Huntington	30-Sep-08		4	4	
			Geometric Mean	7	5	
308.1	Huntington	02-Sep-08		84	63	
308.1	Huntington	09-Sep-08		350	186	
308.1	Huntington	16-Sep-08		16	4	
308.1	Huntington	23-Sep-08		57	40	
308.1	Huntington	30-Sep-08		86	100	
			Geometric Mean	75	45	
314.8	Huntington	02-Sep-08		128	80	
314.8	Huntington	09-Sep-08		4	4	
314.8	Huntington	16-Sep-08		48	32	
314.8	Huntington	23-Sep-08		49	40	
314.8	Huntington	30-Sep-08		40	4	
			Geometric Mean	34	17	
305.1	Huntington	07-Oct-08		8	8	
305.1	Huntington	14-Oct-08		4	4	
305.1	Huntington	21-Oct-08		4	4	
305.1	Huntington	23-Oct-08		8	4	
305.1	Huntington	28-Oct-08		4	4	
			Geometric Mean	5	5	
308.1	Huntington	07-Oct-08		54	20	
308.1	Huntington	14-Oct-08		103	16	
308.1	Huntington	21-Oct-08		28	20	
308.1	Huntington	23-Oct-08		46	12	
308.1	Huntington	28-Oct-08		24	8	
			Geometric Mean	44	14	
314.8	Huntington	07-Oct-08		100	74	
314.8	Huntington	14-Oct-08		4	4	
314.8	Huntington	21-Oct-08		32	12	
314.8	Huntington	23-Oct-08		12	4	
314.8	Huntington	28-Oct-08		66	20	
			Geometric Mean	25	12	
462.6	Cincinnati	06-May-08		16	4	
462.6	Cincinnati	13-May-08		188	120	
462.6	Cincinnati	20-May-08		654	460	**EXCEEDS**
462.6	Cincinnati	22-May-08		170	250	**EXCEEDS**
462.6	Cincinnati	27-May-08		56	44	
			Geometric Mean	113	75	
463.9	Cincinnati AquaRamp	06-May-08		4	4	
463.9	Cincinnati AquaRamp	13-May-08		160	116	
463.9	Cincinnati AquaRamp	20-May-08		550	212	**EXCEEDS**
463.9	Cincinnati AquaRamp	22-May-08		480	300	**EXCEEDS**
463.9	Cincinnati AquaRamp	27-May-08		44	44	
			Geometric Mean	94	66	
469.9	Cincinnati Who-Dey Dock	06-May-08		4	4	
469.9	Cincinnati Who-Dey Dock	13-May-08		210	130	
469.9	Cincinnati Who-Dey Dock	20-May-08		500	460	**EXCEEDS**
469.9	Cincinnati Who-Dey Dock	22-May-08		360	290	**EXCEEDS**
469.9	Cincinnati Who-Dey Dock	27-May-08		116	31	
			Geometric Mean	112	74	
470	Cincinnati	06-May-08		100	36	
470	Cincinnati	13-May-08		260	208	
470	Cincinnati	20-May-08		2,000	745	**EXCEEDS**
470	Cincinnati	22-May-08		460	430	**EXCEEDS**
470	Cincinnati	27-May-08		104	80	
			Geometric Mean	301	181	**EXCEEDS**
477.5	Cincinnati	06-May-08		24	8	
477.5	Cincinnati	13-May-08		470	220	**EXCEEDS**
477.5	Cincinnati	20-May-08		2,200	800	**EXCEEDS**
477.5	Cincinnati	22-May-08		780	580	**EXCEEDS**
477.5	Cincinnati	27-May-08		228	66	
			Geometric Mean	338	140	**EXCEEDS**
462.6	Cincinnati	03-Jun-08		32	60	
462.6	Cincinnati	10-Jun-08		827	650	**EXCEEDS**
462.6	Cincinnati	17-Jun-08		71	100	
462.6	Cincinnati	19-Jun-08		63	64	
462.6	Cincinnati	24-Jun-08		46	40	
			Geometric Mean	89	100	
463.9	Cincinnati AquaRamp	03-Jun-08		48	12	
463.9	Cincinnati AquaRamp	10-Jun-08		410	380	**EXCEEDS**
463.9	Cincinnati AquaRamp	17-Jun-08		43	60	
463.9	Cincinnati AquaRamp	19-Jun-08		48	24	
463.9	Cincinnati AquaRamp	24-Jun-08		40	20	
			Geometric Mean	70	42	
469.9	Cincinnati Who-Dey Dock	03-Jun-08		20	16	
469.9	Cincinnati Who-Dey Dock	10-Jun-08		274	200	
469.9	Cincinnati Who-Dey Dock	17-Jun-08		80	88	
469.9	Cincinnati Who-Dey Dock	19-Jun-08		71	48	
469.9	Cincinnati Who-Dey Dock	24-Jun-08		112	68	
			Geometric Mean	81	62	
470	Cincinnati	03-Jun-08		140	52	
470	Cincinnati	10-Jun-08		954	709	**EXCEEDS**
470	Cincinnati	17-Jun-08		84	76	
470	Cincinnati	19-Jun-08		620	270	**EXCEEDS**
470	Cincinnati	24-Jun-08		80	20	
			Geometric Mean	223	109	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
477.5	Cincinnati	03-Jun-08		34	12	
477.5	Cincinnati	10-Jun-08		5,200	400	**EXCEEDS**
477.5	Cincinnati	17-Jun-08		144	124	
477.5	Cincinnati	19-Jun-08		136	80	
477.5	Cincinnati	24-Jun-08		80	40	
			Geometric Mean	194	72	
462.6	Cincinnati	01-Jul-08		120	52	
462.6	Cincinnati	08-Jul-08		60	40	
462.6	Cincinnati	15-Jul-08		36	36	
462.6	Cincinnati	22-Jul-08		140	77	
462.6	Cincinnati	29-Jul-08		24	40	
			Geometric Mean	61	47	
463.9	Cincinnati AquaRamp	01-Jul-08		12	12	
463.9	Cincinnati AquaRamp	08-Jul-08		63	8	
463.9	Cincinnati AquaRamp	18-Jul-08		24	8	
463.9	Cincinnati AquaRamp	22-Jul-08		24	4	
463.9	Cincinnati AquaRamp	29-Jul-08		4	4	
			Geometric Mean	18	7	
469.9	Cincinnati Who-Dey Dock	01-Jul-08		104	34	
469.9	Cincinnati Who-Dey Dock	08-Jul-08		124	48	
469.9	Cincinnati Who-Dey Dock	15-Jul-08		144	112	
469.9	Cincinnati Who-Dey Dock	22-Jul-08		6,400	2,500	**EXCEEDS**
469.9	Cincinnati Who-Dey Dock	29-Jul-08		80	84	
			Geometric Mean	249	131	**EXCEEDS**
470	Cincinnati	01-Jul-08		108	54	
470	Cincinnati	08-Jul-08		68	44	
470	Cincinnati	15-Jul-08		144	40	
470	Cincinnati	22-Jul-08		736	271	**EXCEEDS**
470	Cincinnati	29-Jul-08		32	16	
			Geometric Mean	120	53	
477.5	Cincinnati	01-Jul-08		64	4	
477.5	Cincinnati	08-Jul-08		112	46	
477.5	Cincinnati	15-Jul-08		56	44	
477.5	Cincinnati	22-Jul-08		1,300	420	**EXCEEDS**
477.5	Cincinnati	29-Jul-08		220	68	
			Geometric Mean	163	47	
462.6	Cincinnati	05-Aug-08		20	16	
462.6	Cincinnati	12-Aug-08		4	8	
462.6	Cincinnati	19-Aug-08		32	24	
462.6	Cincinnati	21-Aug-08		8	4	
462.6	Cincinnati	26-Aug-08		4	8	
			Geometric Mean	10	10	
463.9	Cincinnati AquaRamp	05-Aug-08		8	4	
463.9	Cincinnati AquaRamp	12-Aug-08		4	4	
463.9	Cincinnati AquaRamp	19-Aug-08		180	203	
463.9	Cincinnati AquaRamp	21-Aug-08		12	4	
463.9	Cincinnati AquaRamp	26-Aug-08		31	16	
			Geometric Mean	18	12	
469.9	Cincinnati Who-Dey Dock	05-Aug-08		3,800	1,800	**EXCEEDS**
469.9	Cincinnati Who-Dey Dock	12-Aug-08		4	16	
469.9	Cincinnati Who-Dey Dock	19-Aug-08		4	4	
469.9	Cincinnati Who-Dey Dock	21-Aug-08		4	4	
469.9	Cincinnati Who-Dey Dock	26-Aug-08		8	8	
			Geometric Mean	18	21	
470	Cincinnati	05-Aug-08		7,000	4,700	**EXCEEDS**
470	Cincinnati	12-Aug-08		8	20	
470	Cincinnati	19-Aug-08		8	24	
470	Cincinnati	21-Aug-08		4	4	
470	Cincinnati	26-Aug-08		32	4	
			Geometric Mean	36	32	
477.5	Cincinnati	05-Aug-08		60	12	
477.5	Cincinnati	12-Aug-08		40	24	
477.5	Cincinnati	19-Aug-08		40	12	
477.5	Cincinnati	21-Aug-08		12	8	
477.5	Cincinnati	26-Aug-08		52	4	
			Geometric Mean	36	10	
462.6	Cincinnati	02-Sep-08		4	8	
462.6	Cincinnati	09-Sep-08		4	4	
462.6	Cincinnati	16-Sep-08		4	8	
462.6	Cincinnati	23-Sep-08		12	4	
462.6	Cincinnati	30-Sep-08		8	16	
			Geometric Mean	6	7	
463.9	Cincinnati AquaRamp	02-Sep-08		192	96	
463.9	Cincinnati AquaRamp	09-Sep-08		4	4	
463.9	Cincinnati AquaRamp	16-Sep-08		4	4	
463.9	Cincinnati AquaRamp	23-Sep-08		8	4	
463.9	Cincinnati AquaRamp	30-Sep-08		24	16	
			Geometric Mean	14	10	
469.9	Cincinnati Who-Dey Dock	02-Sep-08		12	16	
469.9	Cincinnati Who-Dey Dock	09-Sep-08		16	12	
469.9	Cincinnati Who-Dey Dock	16-Sep-08		12	12	
469.9	Cincinnati Who-Dey Dock	23-Sep-08		4	12	
469.9	Cincinnati Who-Dey Dock	30-Sep-08		670	300	
			Geometric Mean	23	24	
470	Cincinnati	02-Sep-08		150	80	
470	Cincinnati	09-Sep-08		28	16	
470	Cincinnati	16-Sep-08		28	12	
470	Cincinnati	23-Sep-08		12	4	
470	Cincinnati	30-Sep-08		3,200	1,020	**EXCEEDS**
			Geometric Mean	85	36	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
477.5	Cincinnati	02-Sep-08		188	28	
477.5	Cincinnati	09-Sep-08		56	12	
477.5	Cincinnati	16-Sep-08		6,500	1,200	**EXCEEDS**
477.5	Cincinnati	23-Sep-08		88	4	
477.5	Cincinnati	30-Sep-08		882	320	**EXCEEDS**
			Geometric Mean	351	55	**EXCEEDS**
462.6	Cincinnati	07-Oct-08		4	4	
462.6	Cincinnati	14-Oct-08		40	8	
462.6	Cincinnati	21-Oct-08		4	12	
462.6	Cincinnati	28-Oct-08		4	4	
462.6	Cincinnati	30-Oct-08		4	4	
			Geometric Mean	6	6	
463.9	Cincinnati AquaRamp	07-Oct-08		4	4	
463.9	Cincinnati AquaRamp	14-Oct-08		4	4	
463.9	Cincinnati AquaRamp	21-Oct-08		4	4	
463.9	Cincinnati AquaRamp	28-Oct-08		4	8	
463.9	Cincinnati AquaRamp	30-Oct-08		4	4	
			Geometric Mean	4	5	
469.9	Cincinnati Who-Dey Dock	07-Oct-08		8	8	
469.9	Cincinnati Who-Dey Dock	14-Oct-08		8	4	
469.9	Cincinnati Who-Dey Dock	21-Oct-08		16	16	
469.9	Cincinnati Who-Dey Dock	28-Oct-08		16	36	
469.9	Cincinnati Who-Dey Dock	30-Oct-08		54	86	
			Geometric Mean	15	17	
470	Cincinnati	07-Oct-08		36	20	
470	Cincinnati	14-Oct-08		48	24	
470	Cincinnati	21-Oct-08		36	8	
470	Cincinnati	28-Oct-08		32	40	
470	Cincinnati	30-Oct-08		20	8	
			Geometric Mean	33	17	
477.5	Cincinnati	07-Oct-08		40	4	
477.5	Cincinnati	14-Oct-08		24	4	
477.5	Cincinnati	21-Oct-08		132	96	
477.5	Cincinnati	28-Oct-08		248	124	
477.5	Cincinnati	30-Oct-08		168	57	
			Geometric Mean	88	26	
594	Louisville	06-May-08		530	270	**EXCEEDS**
594	Louisville	13-May-08		136	75	
594	Louisville	20-May-08		390	350	**EXCEEDS**
594	Louisville	27-May-08		80	112	
594	Louisville	29-May-08		28	16	
			Geometric Mean	144	105	
608.7	Louisville	06-May-08		116	54	
608.7	Louisville	13-May-08		220	210	
608.7	Louisville	20-May-08		370	360	**EXCEEDS**
608.7	Louisville	27-May-08		74	60	
608.7	Louisville	29-May-08		48	12	
			Geometric Mean	127	78	
619.3	Louisville	06-May-08		200	36	
619.3	Louisville	13-May-08		200	150	
619.3	Louisville	20-May-08		1,010	1,150	**EXCEEDS**
619.3	Louisville	27-May-08		124	156	
619.3	Louisville	29-May-08		764	182	**EXCEEDS**
			Geometric Mean	329	178	**EXCEEDS**
594	Louisville	03-Jun-08		4	4	
594	Louisville	10-Jun-08		3,700	2,100	**EXCEEDS**
594	Louisville	12-Jun-08		550	190	**EXCEEDS**
594	Louisville	17-Jun-08		340	244	**EXCEEDS**
594	Louisville	19-Jun-08		183	49	
			Geometric Mean	219	114	**EXCEEDS**
608.7	Louisville	03-Jun-08		28	4	
608.7	Louisville	10-Jun-08		5,200	4,000	**EXCEEDS**
608.7	Louisville	12-Jun-08		2,000	610	**EXCEEDS**
608.7	Louisville	17-Jun-08		4,200	4,200	**EXCEEDS**
608.7	Louisville	19-Jun-08		92	29	
			Geometric Mean	646	260	**EXCEEDS**
619.3	Louisville	03-Jun-08		16	8	
619.3	Louisville	10-Jun-08		3,800	2,400	**EXCEEDS**
619.3	Louisville	12-Jun-08		3,200	1,600	**EXCEEDS**
619.3	Louisville	17-Jun-08		194	74	
619.3	Louisville	19-Jun-08		151	80	
			Geometric Mean	356	179	**EXCEEDS**
594	Louisville	01-Jul-08		16	8	
594	Louisville	09-Jul-08		184	156	
594	Louisville	15-Jul-08		66	32	
594	Louisville	23-Jul-08		8	4	
594	Louisville	29-Jul-08		12	4	
			Geometric Mean	28	14	
608.7	Louisville	01-Jul-08		92	16	
608.7	Louisville	09-Jul-08		226	16	
608.7	Louisville	15-Jul-08		28	20	
608.7	Louisville	23-Jul-08		43	8	
608.7	Louisville	29-Jul-08		20	10	
			Geometric Mean	55	13	
619.3	Louisville	01-Jul-08		220	40	
619.3	Louisville	09-Jul-08		96	28	
619.3	Louisville	15-Jul-08		6,500	4,000	**EXCEEDS**
619.3	Louisville	23-Jul-08		246	88	
619.3	Louisville	29-Jul-08		317	120	
			Geometric Mean	404	136	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
594	Louisville	05-Aug-08		32	4	
594	Louisville	12-Aug-08		4	4	
594	Louisville	19-Aug-08		4	4	
594	Louisville	26-Aug-08		48	20	
594	Louisville	28-Aug-08		6	4	
			Geometric Mean	11	6	
608.7	Louisville	05-Aug-08		28	4	
608.7	Louisville	12-Aug-08		17	14	
608.7	Louisville	19-Aug-08		8	4	
608.7	Louisville	26-Aug-08		6	12	
608.7	Louisville	28-Aug-08		4	8	
			Geometric Mean	10	7	
619.3	Louisville	05-Aug-08		3,400	200	**EXCEEDS**
619.3	Louisville	12-Aug-08		92	66	
619.3	Louisville	19-Aug-08		20	4	
619.3	Louisville	26-Aug-08		1,700	1,100	**EXCEEDS**
619.3	Louisville	28-Aug-08		154	100	
			Geometric Mean	277	90	**EXCEEDS**
594	Louisville	02-Sep-08		112	43	
594	Louisville	10-Sep-08		48	4	
594	Louisville	16-Sep-08		8	10	
594	Louisville	23-Sep-08		6	4	
594	Louisville	30-Sep-08		16	4	
			Geometric Mean	21	8	
608.7	Louisville	02-Sep-08		20	16	
608.7	Louisville	10-Sep-08		180	128	
608.7	Louisville	16-Sep-08		40	10	
608.7	Louisville	23-Sep-08		9	9	
608.7	Louisville	30-Sep-08		77	12	
			Geometric Mean	40	19	
619.3	Louisville	02-Sep-08		13,200	10,700	**EXCEEDS**
619.3	Louisville	10-Sep-08		100	71	
619.3	Louisville	16-Sep-08		918	57	**EXCEEDS**
619.3	Louisville	23-Sep-08		11	8	
619.3	Louisville	30-Sep-08		20,000	19,000	**EXCEEDS**
			Geometric Mean	768	366	**EXCEEDS**
594	Louisville	09-Oct-08		4	12	
594	Louisville	15-Oct-08		71	4	
594	Louisville	21-Oct-08		50	40	
594	Louisville	28-Oct-08		24	4	
594	Louisville	30-Oct-08		22	9	
			Geometric Mean	24	9	
608.7	Louisville	09-Oct-08		8	8	
608.7	Louisville	15-Oct-08		20	4	
608.7	Louisville	21-Oct-08		214	223	
608.7	Louisville	28-Oct-08		132	140	
608.7	Louisville	30-Oct-08		60	20	
			Geometric Mean	49	29	
619.3	Louisville	09-Oct-08		23,000	13,000	**EXCEEDS**
619.3	Louisville	15-Oct-08		168	28	
619.3	Louisville	21-Oct-08		228	217	
619.3	Louisville	28-Oct-08		257	211	
619.3	Louisville	30-Oct-08		410	330	**EXCEEDS**
			Geometric Mean	622	353	**EXCEEDS**
791.5	Evansville	06-May-08		250	148	
791.5	Evansville	13-May-08		250	68	
791.5	Evansville	20-May-08		480	176	**EXCEEDS**
791.5	Evansville	22-May-08		104	32	
791.5	Evansville	27-May-08		480	150	**EXCEEDS**
			Geometric Mean	272	97	**EXCEEDS**
793.7	Evansville	06-May-08		310	92	
793.7	Evansville	13-May-08		340	92	
793.7	Evansville	20-May-08		600	211	**EXCEEDS**
793.7	Evansville	22-May-08		144	80	
793.7	Evansville	27-May-08		982	531	**EXCEEDS**
			Geometric Mean	389	150	**EXCEEDS**
797.3	Evansville	06-May-08		140	104	
797.3	Evansville	13-May-08		230	70	
797.3	Evansville	20-May-08		440	330	**EXCEEDS**
797.3	Evansville	22-May-08		160	20	
797.3	Evansville	27-May-08		1,036	590	**EXCEEDS**
			Geometric Mean	298	123	**EXCEEDS**
791.5	Evansville	03-Jun-08		104	60	
791.5	Evansville	10-Jun-08		609	200	**EXCEEDS**
791.5	Evansville	17-Jun-08		211	164	
791.5	Evansville	19-Jun-08		112	72	
791.5	Evansville	24-Jun-08		20	36	
			Geometric Mean	125	87	
793.7	Evansville	03-Jun-08		177	60	
793.7	Evansville	10-Jun-08		600	410	**EXCEEDS**
793.7	Evansville	17-Jun-08		220	231	
793.7	Evansville	19-Jun-08		164	80	
793.7	Evansville	24-Jun-08		196	140	
			Geometric Mean	237	145	**EXCEEDS**
797.3	Evansville	03-Jun-08		480	290	**EXCEEDS**
797.3	Evansville	10-Jun-08		425	470	**EXCEEDS**
797.3	Evansville	17-Jun-08		430	230	**EXCEEDS**
797.3	Evansville	19-Jun-08		180	84	
797.3	Evansville	24-Jun-08		100	57	
			Geometric Mean	275	172	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2008

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
791.5	Evansville	01-Jul-08		66	28	
791.5	Evansville	08-Jul-08		180	36	
791.5	Evansville	15-Jul-08		24	16	
791.5	Evansville	22-Jul-08		46	4	
791.5	Evansville	29-Jul-08		88	16	
			Geometric Mean	65	16	
793.7	Evansville	01-Jul-08		745	420	**EXCEEDS**
793.7	Evansville	08-Jul-08		1,000	580	**EXCEEDS**
793.7	Evansville	15-Jul-08		210	124	
793.7	Evansville	22-Jul-08		140	60	
793.7	Evansville	29-Jul-08		12	4	
			Geometric Mean	192	94	
797.3	Evansville	01-Jul-08		160	28	
797.3	Evansville	08-Jul-08		1,130	420	**EXCEEDS**
797.3	Evansville	15-Jul-08		72	44	
797.3	Evansville	22-Jul-08		12	4	
797.3	Evansville	29-Jul-08		18	28	
			Geometric Mean	78	36	
791.5	Evansville	05-Aug-08		16	8	
791.5	Evansville	12-Aug-08		4	12	
791.5	Evansville	19-Aug-08		4	4	
791.5	Evansville	21-Aug-08		4	4	
791.5	Evansville	26-Aug-08		4	4	
			Geometric Mean	5	6	
793.7	Evansville	05-Aug-08		48	50	
793.7	Evansville	12-Aug-08		20	10	
793.7	Evansville	19-Aug-08		20	28	
793.7	Evansville	21-Aug-08		148	20	
793.7	Evansville	26-Aug-08		104	64	
			Geometric Mean	49	28	
797.3	Evansville	05-Aug-08		24	4	
797.3	Evansville	12-Aug-08		12	60	
797.3	Evansville	19-Aug-08		4	4	
797.3	Evansville	21-Aug-08		60	8	
797.3	Evansville	26-Aug-08		24	20	
			Geometric Mean	18	11	
791.5	Evansville	02-Sep-08		4	12	
791.5	Evansville	09-Sep-08		4	4	
791.5	Evansville	16-Sep-08		4	12	
791.5	Evansville	23-Sep-08		10	4	
791.5	Evansville	30-Sep-08		4	4	
			Geometric Mean	5	6	
793.7	Evansville	02-Sep-08		84	68	
793.7	Evansville	09-Sep-08		370	80	
793.7	Evansville	16-Sep-08		660	660	**EXCEEDS**
793.7	Evansville	23-Sep-08		28	28	
793.7	Evansville	30-Sep-08		11,400	9,400	**EXCEEDS**
			Geometric Mean	366	248	**EXCEEDS**
797.3	Evansville	02-Sep-08		8	8	
797.3	Evansville	09-Sep-08		20	4	
797.3	Evansville	16-Sep-08		24	24	
797.3	Evansville	23-Sep-08		4	4	
797.3	Evansville	30-Sep-08		24	8	
			Geometric Mean	13	8	
791.5	Evansville	07-Oct-08		4	20	
791.5	Evansville	14-Oct-08		4	8	
791.5	Evansville	21-Oct-08		4	4	
791.5	Evansville	23-Oct-08		16	24	
791.5	Evansville	28-Oct-08		10	8	
			Geometric Mean	6	10	
793.7	Evansville	07-Oct-08		28	20	
793.7	Evansville	14-Oct-08		48	48	
793.7	Evansville	21-Oct-08		200	260	**EXCEEDS**
793.7	Evansville	23-Oct-08		12	8	
793.7	Evansville	28-Oct-08		12	16	
			Geometric Mean	33	32	
797.3	Evansville	07-Oct-08		4	12	
797.3	Evansville	14-Oct-08		20	4	
797.3	Evansville	21-Oct-08		32	12	
797.3	Evansville	23-Oct-08		4	8	
797.3	Evansville	28-Oct-08		10	4	
			Geometric Mean	10	7	

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

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4R	Pittsburgh	12-May-09		1100	500	**EXCEEDS**
1.4R	Pittsburgh	19-May-09		257	89	
1.4R	Pittsburgh	21-May-09		80	45	
1.4R	Pittsburgh	26-May-09		600	300	**EXCEEDS**
1.4R	Pittsburgh	28-May-09		520	220	**EXCEEDS**
			Geometric Mean	371	168	**EXCEEDS**
1.4M	Pittsburgh	12-May-09		1,600	500	**EXCEEDS**
1.4M	Pittsburgh	19-May-09		380	194	
1.4M	Pittsburgh	21-May-09		189	120	
1.4M	Pittsburgh	26-May-09		700	450	**EXCEEDS**
1.4M	Pittsburgh	28-May-09		550	140	**EXCEEDS**
			Geometric Mean	536	236	**EXCEEDS**
1.4L	Pittsburgh	12-May-09		1,500	700	**EXCEEDS**
1.4L	Pittsburgh	19-May-09		390	230	
1.4L	Pittsburgh	21-May-09		189	120	
1.4L	Pittsburgh	26-May-09		430	264	**EXCEEDS**
1.4L	Pittsburgh	28-May-09		340	209	
			Geometric Mean	438	254	**EXCEEDS**
4.3	Pittsburgh	12-May-09		2,400	1,100	**EXCEEDS**
4.3	Pittsburgh	19-May-09		390	140	
4.3	Pittsburgh	21-May-09		132	86	
4.3	Pittsburgh	26-May-09		470	200	**EXCEEDS**
4.3	Pittsburgh	28-May-09		520	200	**EXCEEDS**
			Geometric Mean	497	221	**EXCEEDS**
1.4R	Pittsburgh	02-Jun-09		718	220	**EXCEEDS**
1.4R	Pittsburgh	09-Jun-09		290	80	
1.4R	Pittsburgh	16-Jun-09		250	90	
1.4R	Pittsburgh	23-Jun-09		673	410	**EXCEEDS**
1.4R	Pittsburgh	30-Jun-09		400	100	
			Geometric Mean	426	145	**EXCEEDS**
1.4M	Pittsburgh	02-Jun-09		170	110	
1.4M	Pittsburgh	09-Jun-09		380	180	
1.4M	Pittsburgh	16-Jun-09		200	50	
1.4M	Pittsburgh	23-Jun-09		1,500	800	**EXCEEDS**
1.4M	Pittsburgh	30-Jun-09		430	90	**EXCEEDS**
			Geometric Mean	384	148	**EXCEEDS**
1.4L	Pittsburgh	02-Jun-09		430	145	**EXCEEDS**
1.4L	Pittsburgh	09-Jun-09		280	120	
1.4L	Pittsburgh	16-Jun-09		220	60	
1.4L	Pittsburgh	23-Jun-09		2,100	400	**EXCEEDS**
1.4L	Pittsburgh	30-Jun-09		200	140	
			Geometric Mean	407	142	**EXCEEDS**
4.3	Pittsburgh	02-Jun-09		240	200	
4.3	Pittsburgh	09-Jun-09		240	130	
4.3	Pittsburgh	16-Jun-09		230	36	
4.3	Pittsburgh	23-Jun-09		1,400	700	**EXCEEDS**
4.3	Pittsburgh	30-Jun-09		260	110	
			Geometric Mean	344	148	**EXCEEDS**
1.4R	Pittsburgh	07-Jul-09		390	110	
1.4R	Pittsburgh	14-Jul-09		850	100	**EXCEEDS**
1.4R	Pittsburgh	21-Jul-09		4000	1,600	**EXCEEDS**
1.4R	Pittsburgh	23-Jul-09		6100	1,900	**EXCEEDS**
1.4R	Pittsburgh	28-Jul-09		450	130	**EXCEEDS**
			Geometric Mean	1295	337	**EXCEEDS**
1.4M	Pittsburgh	07-Jul-09		310	90	
1.4M	Pittsburgh	14-Jul-09		530	80	**EXCEEDS**
1.4M	Pittsburgh	21-Jul-09		5,000	3,400	**EXCEEDS**
1.4M	Pittsburgh	23-Jul-09		5,600	3,200	**EXCEEDS**
1.4M	Pittsburgh	28-Jul-09		470	190	**EXCEEDS**
			Geometric Mean	1167	431	**EXCEEDS**
1.4L	Pittsburgh	07-Jul-09		250	50	
1.4L	Pittsburgh	14-Jul-09		350	60	
1.4L	Pittsburgh	21-Jul-09		5,900	2,900	**EXCEEDS**
1.4L	Pittsburgh	23-Jul-09		5,800	2,700	**EXCEEDS**
1.4L	Pittsburgh	28-Jul-09		570	300	**EXCEEDS**
			Geometric Mean	1113	371	**EXCEEDS**
4.3	Pittsburgh	07-Jul-09		350	140	
4.3	Pittsburgh	14-Jul-09		390	120	
4.3	Pittsburgh	21-Jul-09		5,500	2,400	**EXCEEDS**
4.3	Pittsburgh	23-Jul-09		6,400	1,400	**EXCEEDS**
4.3	Pittsburgh	28-Jul-09		150	430	**EXCEEDS**
			Geometric Mean	937	475	**EXCEEDS**
1.4R	Pittsburgh	04-Aug-09		390	180	
1.4R	Pittsburgh	11-Aug-09		7200	3,200	**EXCEEDS**
1.4R	Pittsburgh	18-Aug-09		220	90	
1.4R	Pittsburgh	20-Aug-09		8100	4,700	**EXCEEDS**
1.4R	Pittsburgh	25-Aug-09		250	150	
			Geometric Mean	1046	516	**EXCEEDS**
1.4M	Pittsburgh	04-Aug-09		360	210	
1.4M	Pittsburgh	11-Aug-09		8,500	2,800	**EXCEEDS**
1.4M	Pittsburgh	18-Aug-09		180	100	
1.4M	Pittsburgh	20-Aug-09		6,300	3,300	**EXCEEDS**
1.4M	Pittsburgh	25-Aug-09		280	120	
			Geometric Mean	994	471	**EXCEEDS**
1.4L	Pittsburgh	11-Aug-09		8,000	3,500	**EXCEEDS**
1.4L	Pittsburgh	18-Aug-09		260	90	
1.4L	Pittsburgh	18-Aug-09		230	90	
1.4L	Pittsburgh	20-Aug-09		9,400	3,700	**EXCEEDS**
1.4L	Pittsburgh	25-Aug-09		230	110	
			Geometric Mean	1007	410	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
4.3	Pittsburgh	04-Aug-09		300	140	
4.3	Pittsburgh	11-Aug-09		8,800	3,600	**EXCEEDS**
4.3	Pittsburgh	18-Aug-09		160	50	
4.3	Pittsburgh	20-Aug-09		9,800	6,500	**EXCEEDS**
4.3	Pittsburgh	25-Aug-09		400	130	
			Geometric Mean	1106	463	**EXCEEDS**
1.4R	Pittsburgh	01-Sep-09		940	500	**EXCEEDS**
1.4R	Pittsburgh	08-Sep-09		5500	2,500	**EXCEEDS**
1.4R	Pittsburgh	15-Sep-09		170	100	
1.4R	Pittsburgh	29-Sep-09		7800	4,800	**EXCEEDS**
1.4R	Pittsburgh	30-Sep-09		1100	470	**EXCEEDS**
			Geometric Mean	1498	776	**EXCEEDS**
1.4M	Pittsburgh	01-Sep-09		710	250	**EXCEEDS**
1.4M	Pittsburgh	08-Sep-09		4,400	2,000	**EXCEEDS**
1.4M	Pittsburgh	15-Sep-09		160	100	
1.4M	Pittsburgh	29-Sep-09		8,000	5,200	**EXCEEDS**
1.4M	Pittsburgh	30-Sep-09		1,500	350	**EXCEEDS**
			Geometric Mean	1431	619	**EXCEEDS**
1.4L	Pittsburgh	01-Sep-09		730	100	**EXCEEDS**
1.4L	Pittsburgh	08-Sep-09		3,800	2,100	**EXCEEDS**
1.4L	Pittsburgh	15-Sep-09		160	90	
1.4L	Pittsburgh	29-Sep-09		7,200	3,200	**EXCEEDS**
1.4L	Pittsburgh	30-Sep-09		1,200	370	**EXCEEDS**
			Geometric Mean	1308	468	**EXCEEDS**
4.3	Pittsburgh	01-Sep-09		670	180	**EXCEEDS**
4.3	Pittsburgh	08-Sep-09		500	210	**EXCEEDS**
4.3	Pittsburgh	15-Sep-09		150	50	
4.3	Pittsburgh	29-Sep-09		6,300	3,500	**EXCEEDS**
4.3	Pittsburgh	30-Sep-09		1,000	310	**EXCEEDS**
			Geometric Mean	795	290	**EXCEEDS**
1.4R	Pittsburgh	06-Oct-09		370	170	
1.4R	Pittsburgh	13-Oct-09		530	180	**EXCEEDS**
1.4R	Pittsburgh	20-Oct-09		360	170	
1.4M	Pittsburgh	06-Oct-09		480	60	**EXCEEDS**
1.4M	Pittsburgh	13-Oct-09		570	280	**EXCEEDS**
1.4M	Pittsburgh	20-Oct-09		270	180	
1.4L	Pittsburgh	06-Oct-09		420	120	**EXCEEDS**
1.4L	Pittsburgh	13-Oct-09		660	340	**EXCEEDS**
1.4L	Pittsburgh	20-Oct-09		370	140	
4.3	Pittsburgh	06-Oct-09		530	140	**EXCEEDS**
4.3	Pittsburgh	13-Oct-09		620	280	**EXCEEDS**
4.3	Pittsburgh	20-Oct-09		390	120	
84.2	Wheeling	05-May-09		520	274	**EXCEEDS**
84.2	Wheeling	12-May-09		144	64	
84.2	Wheeling	19-May-09		66	48	
84.2	Wheeling	21-May-09		148	32	
84.2	Wheeling	26-May-09		76	56	
			Geometric Mean	141	69	
86.8	Wheeling	05-May-09		700	280	**EXCEEDS**
86.8	Wheeling	12-May-09		168	68	
86.8	Wheeling	19-May-09		36	32	
86.8	Wheeling	21-May-09		88	72	
86.8	Wheeling	26-May-09		20	100	
			Geometric Mean	94	85	
91.4	Wheeling	05-May-09		240	240	
91.4	Wheeling	12-May-09		250	160	
91.4	Wheeling	19-May-09		77	132	
91.4	Wheeling	21-May-09		150	72	
91.4	Wheeling	26-May-09		88	16	
			Geometric Mean	144	90	
92.8	Wheeling	05-May-09		870	1,020	**EXCEEDS**
92.8	Wheeling	12-May-09		360	88	
92.8	Wheeling	19-May-09		220	430	**EXCEEDS**
92.8	Wheeling	21-May-09		400	690	**EXCEEDS**
92.8	Wheeling	26-May-09		220	72	
			Geometric Mean	360	286	**EXCEEDS**
84.2	Wheeling	02-Jun-09		450	520	**EXCEEDS**
84.2	Wheeling	09-Jun-09		200	156	
84.2	Wheeling	16-Jun-09		200	64	
84.2	Wheeling	23-Jun-09		350	176	
84.2	Wheeling	30-Jun-09		32	56	
			Geometric Mean	182	139	**EXCEEDS**
86.8	Wheeling	02-Jun-09		36	108	
86.8	Wheeling	09-Jun-09		44	20	
86.8	Wheeling	16-Jun-09		1,300	28	**EXCEEDS**
86.8	Wheeling	23-Jun-09		228	246	**EXCEEDS**
86.8	Wheeling	30-Jun-09		40	40	
			Geometric Mean	113	57	
91.4	Wheeling	02-Jun-09		152	171	
91.4	Wheeling	09-Jun-09		92	36	
91.4	Wheeling	16-Jun-09		172	56	
91.4	Wheeling	23-Jun-09		470	108	**EXCEEDS**
91.4	Wheeling	30-Jun-09		350	214	
			Geometric Mean	209	96	**EXCEEDS**
92.8	Wheeling	02-Jun-09		2,100	1,100	**EXCEEDS**
92.8	Wheeling	09-Jun-09		128	68	
92.8	Wheeling	16-Jun-09		3,000	1,900	**EXCEEDS**
92.8	Wheeling	23-Jun-09		550	132	**EXCEEDS**
92.8	Wheeling	30-Jun-09		430	148	**EXCEEDS**
			Geometric Mean	718	308	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
84.2	Wheeling	07-Jul-09		108	32	
84.2	Wheeling	21-Jul-09		16	8	
84.2	Wheeling	23-Jul-09		72	64	
84.2	Wheeling	28-Jul-09		188	24	
84.2	Wheeling	30-Jul-09		1,000	1,400	**EXCEEDS**
			Geometric Mean	119	56	
86.8	Wheeling	07-Jul-09		68	8	
86.8	Wheeling	21-Jul-09		8	4	
86.8	Wheeling	23-Jul-09		212	52	
86.8	Wheeling	28-Jul-09		88	44	
86.8	Wheeling	30-Jul-09		20	28	
			Geometric Mean	46	18	
91.4	Wheeling	07-Jul-09		194	24	
91.4	Wheeling	21-Jul-09		8	12	
91.4	Wheeling	23-Jul-09		340	171	
91.4	Wheeling	28-Jul-09		192	52	
91.4	Wheeling	30-Jul-09		116	28	
			Geometric Mean	103	37	
92.8	Wheeling	07-Jul-09		190	52	
92.8	Wheeling	21-Jul-09		52	48	
92.8	Wheeling	23-Jul-09		6,700	2,700	**EXCEEDS**
92.8	Wheeling	28-Jul-09		490	380	**EXCEEDS**
92.8	Wheeling	30-Jul-09		280	28	
			Geometric Mean	391	148	**EXCEEDS**
84.2	Wheeling	04-Aug-09		920	64	**EXCEEDS**
84.2	Wheeling	11-Aug-09		20	4	
84.2	Wheeling	18-Aug-09		86	28	
84.2	Wheeling	20-Aug-09		180	24	
84.2	Wheeling	25-Aug-09		104	20	
			Geometric Mean	124	20	
86.8	Wheeling	04-Aug-09		210	36	
86.8	Wheeling	11-Aug-09		4	4	
86.8	Wheeling	18-Aug-09		48	16	
86.8	Wheeling	20-Aug-09		16	24	
86.8	Wheeling	25-Aug-09		4	4	
			Geometric Mean	19	12	
91.4	Wheeling	04-Aug-09		188	24	
91.4	Wheeling	11-Aug-09		4	4	
91.4	Wheeling	18-Aug-09		44	16	
91.4	Wheeling	20-Aug-09		196	52	
91.4	Wheeling	25-Aug-09		12	8	
			Geometric Mean	38	14	
92.8	Wheeling	04-Aug-09		530	84	**EXCEEDS**
92.8	Wheeling	11-Aug-09		350	36	
92.8	Wheeling	18-Aug-09		92	36	
92.8	Wheeling	20-Aug-09		254	230	
92.8	Wheeling	25-Aug-09		120	20	
			Geometric Mean	220	55	**EXCEEDS**
84.2	Wheeling	01-Sep-09		40	8	
84.2	Wheeling	08-Sep-09		12	4	
84.2	Wheeling	15-Sep-09		4	4	
84.2	Wheeling	22-Sep-09		4	4	
84.2	Wheeling	29-Sep-09		14	36	
			Geometric Mean	10	7	
86.8	Wheeling	01-Sep-09		20	12	
86.8	Wheeling	08-Sep-09		4	4	
86.8	Wheeling	15-Sep-09		12	4	
86.8	Wheeling	22-Sep-09		24	12	
86.8	Wheeling	29-Sep-09		104	44	
			Geometric Mean	19	10	
91.4	Wheeling	01-Sep-09		32	40	
91.4	Wheeling	08-Sep-09		174	120	
91.4	Wheeling	15-Sep-09		100	88	
91.4	Wheeling	22-Sep-09		12	12	
91.4	Wheeling	29-Sep-09		36	12	
			Geometric Mean	47	36	
92.8	Wheeling	01-Sep-09		290	16	
92.8	Wheeling	08-Sep-09		168	60	
92.8	Wheeling	15-Sep-09		176	72	
92.8	Wheeling	22-Sep-09		68	52	
92.8	Wheeling	29-Sep-09		216	92	
			Geometric Mean	166	51	
84.2	Wheeling	06-Oct-09		12	12	
84.2	Wheeling	13-Oct-09		360	12	
84.2	Wheeling	20-Oct-09		16	16	
84.2	Wheeling	22-Oct-09		28	28	
84.2	Wheeling	27-Oct-09		560	16	**EXCEEDS**
			Geometric Mean	64	16	
86.8	Wheeling	06-Oct-09		32	16	
86.8	Wheeling	13-Oct-09		4	4	
86.8	Wheeling	20-Oct-09		4	12	
86.8	Wheeling	22-Oct-09		8	4	
86.8	Wheeling	27-Oct-09		36	12	
			Geometric Mean	11	8	
91.4	Wheeling	06-Oct-09		28	32	
91.4	Wheeling	13-Oct-09		80	100	
91.4	Wheeling	20-Oct-09		8	12	
91.4	Wheeling	22-Oct-09		12	4	
91.4	Wheeling	27-Oct-09		32	16	
			Geometric Mean	23	19	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
92.8	Wheeling	06-Oct-09		20	32	
92.8	Wheeling	13-Oct-09		670	290	**EXCEEDS**
92.8	Wheeling	20-Oct-09		257	185	
92.8	Wheeling	22-Oct-09		40	52	
92.8	Wheeling	27-Oct-09		100	60	
			Geometric Mean	107	88	
305.1	Huntington	05-May-09		800	310	**EXCEEDS**
305.1	Huntington	12-May-09		217	157	
305.1	Huntington	19-May-09		80	69	
305.1	Huntington	21-May-09		24	20	
305.1	Huntington	26-May-09		4	4	
			Geometric Mean	67	49	
308.1	Huntington	05-May-09		3,700	1,290	**EXCEEDS**
308.1	Huntington	12-May-09		400	226	
308.1	Huntington	19-May-09		180	146	
308.1	Huntington	21-May-09		84	60	
308.1	Huntington	26-May-09		134	57	
			Geometric Mean	313	171	**EXCEEDS**
314.8	Huntington	05-May-09		1,500	450	**EXCEEDS**
314.8	Huntington	12-May-09		440	234	**EXCEEDS**
314.8	Huntington	19-May-09		169	96	
314.8	Huntington	21-May-09		160	144	
314.8	Huntington	26-May-09		440	240	**EXCEEDS**
			Geometric Mean	379	204	**EXCEEDS**
305.1	Huntington	02-Jun-09		74	54	
305.1	Huntington	09-Jun-09		32	4	
305.1	Huntington	16-Jun-09		16	12	
305.1	Huntington	23-Jun-09		84	63	
305.1	Huntington	30-Jun-09		24	4	
			Geometric Mean	38	15	
308.1	Huntington	02-Jun-09		500	260	**EXCEEDS**
308.1	Huntington	09-Jun-09		720	540	**EXCEEDS**
308.1	Huntington	16-Jun-09		257	132	
308.1	Huntington	23-Jun-09		152	120	
308.1	Huntington	30-Jun-09		243	166	
			Geometric Mean	321	206	**EXCEEDS**
314.8	Huntington	02-Jun-09		340	229	
314.8	Huntington	09-Jun-09		206	144	
314.8	Huntington	16-Jun-09		214	163	
314.8	Huntington	23-Jun-09		92	63	
314.8	Huntington	30-Jun-09		180	132	
			Geometric Mean	190	135	**EXCEEDS**
305.1	Huntington	07-Jul-09		20	4	
305.1	Huntington	14-Jul-09		63	4	
305.1	Huntington	21-Jul-09		4	4	
305.1	Huntington	23-Jul-09		8	4	
305.1	Huntington	28-Jul-09		20	8	
			Geometric Mean	15	5	
308.1	Huntington	07-Jul-09		160	124	
308.1	Huntington	14-Jul-09		108	20	
308.1	Huntington	21-Jul-09		112	54	
308.1	Huntington	23-Jul-09		243	151	
308.1	Huntington	28-Jul-09		510	246	**EXCEEDS**
			Geometric Mean	189	87	
314.8	Huntington	07-Jul-09		112	54	
314.8	Huntington	14-Jul-09		4	4	
314.8	Huntington	21-Jul-09		54	8	
314.8	Huntington	23-Jul-09		500	229	**EXCEEDS**
314.8	Huntington	28-Jul-09		160	71	
			Geometric Mean	72	31	
305.1	Huntington	04-Aug-09		120	69	
305.1	Huntington	11-Aug-09		410	100	**EXCEEDS**
305.1	Huntington	18-Aug-09		8	8	
305.1	Huntington	20-Aug-09		12	8	
305.1	Huntington	25-Aug-09		8	8	
			Geometric Mean	33	20	
308.1	Huntington	04-Aug-09		280	156	
308.1	Huntington	11-Aug-09		3,200	594	**EXCEEDS**
308.1	Huntington	18-Aug-09		6,000	691	**EXCEEDS**
308.1	Huntington	20-Aug-09		2,900	2,200	**EXCEEDS**
308.1	Huntington	25-Aug-09		124	96	
			Geometric Mean	1141	423	**EXCEEDS**
314.8	Huntington	04-Aug-09		370	249	**EXCEEDS**
314.8	Huntington	11-Aug-09		1,500	430	**EXCEEDS**
314.8	Huntington	18-Aug-09		148	24	
314.8	Huntington	20-Aug-09		290	84	
314.8	Huntington	25-Aug-09		100	40	
			Geometric Mean	299	97	**EXCEEDS**
305.1	Huntington	01-Sep-09		12	8	
305.1	Huntington	08-Sep-09		12	4	
305.1	Huntington	15-Sep-09		4	4	
305.1	Huntington	22-Sep-09		4	4	
305.1	Huntington	29-Sep-09		28	20	
			Geometric Mean	9	6	
308.1	Huntington	01-Sep-09		144	71	
308.1	Huntington	08-Sep-09		36	24	
308.1	Huntington	15-Sep-09		36	28	
308.1	Huntington	22-Sep-09		63	12	
308.1	Huntington	29-Sep-09		226	104	
			Geometric Mean	77	36	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
314.8	Huntington	01-Sep-09		60	20	
314.8	Huntington	08-Sep-09		152	108	
314.8	Huntington	15-Sep-09		24	12	
314.8	Huntington	22-Sep-09		44	20	
314.8	Huntington	29-Sep-09		140	100	
			Geometric Mean	67	35	
305.1	Huntington	06-Oct-09		4	4	
305.1	Huntington	13-Oct-09		32	24	
305.1	Huntington	20-Oct-09		12	4	
305.1	Huntington	23-Oct-09		4	4	
305.1	Huntington	27-Oct-09		24	8	
			Geometric Mean	11	7	
308.1	Huntington	06-Oct-09		60	32	
308.1	Huntington	13-Oct-09		120	60	
308.1	Huntington	20-Oct-09		12	8	
308.1	Huntington	23-Oct-09		89	12	
308.1	Huntington	27-Oct-09		92	48	
			Geometric Mean	59	25	
314.8	Huntington	06-Oct-09		64	20	
314.8	Huntington	13-Oct-09		97	20	
314.8	Huntington	20-Oct-09		66	12	
314.8	Huntington	23-Oct-09		4	4	
314.8	Huntington	27-Oct-09		74	40	
			Geometric Mean	41	15	
462.6	Cincinnati	05-May-09		184	32	
462.6	Cincinnati	12-May-09		3,800	1,800	**EXCEEDS**
462.6	Cincinnati	19-May-09		60	76	
462.6	Cincinnati	21-May-09		63	36	
462.6	Cincinnati	26-May-09		57	80	
			Geometric Mean	172	105	
463.9	Cincinnati AquaRamp	05-May-09		50	16	
463.9	Cincinnati AquaRamp	12-May-09		1,500	800	**EXCEEDS**
463.9	Cincinnati AquaRamp	19-May-09		40	20	
463.9	Cincinnati AquaRamp	21-May-09		52	52	
463.9	Cincinnati AquaRamp	26-May-09		4	8	
			Geometric Mean	57	40	
469.9	Cincinnati Who-Day Dock	05-May-09		130	28	
469.9	Cincinnati Who-Day Dock	12-May-09		4,600	1,800	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	19-May-09		136	104	
469.9	Cincinnati Who-Day Dock	21-May-09		290	223	
469.9	Cincinnati Who-Day Dock	26-May-09		76	100	
			Geometric Mean	282	164	**EXCEEDS**
470	Cincinnati	05-May-09		184	48	
470	Cincinnati	12-May-09		600	1,100	**EXCEEDS**
470	Cincinnati	19-May-09		50	60	
470	Cincinnati	21-May-09		48	43	
470	Cincinnati	26-May-09		176	108	
			Geometric Mean	136	108	
477.5	Cincinnati	05-May-09		50	40	
477.5	Cincinnati	12-May-09		600	400	**EXCEEDS**
477.5	Cincinnati	19-May-09		60	36	
477.5	Cincinnati	21-May-09		16	28	
477.5	Cincinnati	26-May-09		146	157	
			Geometric Mean	84	76	
462.6	Cincinnati	02-Jun-09		120	148	
462.6	Cincinnati	09-Jun-09		**208**	**43**	
462.6	Cincinnati	16-Jun-09		380	110	
462.6	Cincinnati	23-Jun-09		128	124	
462.6	Cincinnati	30-Jun-09		20	12	
			Geometric Mean	119	64	
463.9	Cincinnati AquaRamp	02-Jun-09		50	92	
463.9	Cincinnati AquaRamp	09-Jun-09		**146**	**160**	
463.9	Cincinnati AquaRamp	16-Jun-09		400	192	
463.9	Cincinnati AquaRamp	23-Jun-09		92	88	
463.9	Cincinnati AquaRamp	30-Jun-09		16	8	
			Geometric Mean	84	72	
469.9	Cincinnati Who-Day Dock	02-Jun-09		88	52	
469.9	Cincinnati Who-Day Dock	09-Jun-09		**909**	**2,000**	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	16-Jun-09		231	200	
469.9	Cincinnati Who-Day Dock	23-Jun-09		88	100	
469.9	Cincinnati Who-Day Dock	30-Jun-09		84	92	
			Geometric Mean	169	180	**EXCEEDS**
470	Cincinnati	02-Jun-09		40	50	
470	Cincinnati	09-Jun-09		**2,200**	**40**	**EXCEEDS**
470	Cincinnati	16-Jun-09		250	210	
470	Cincinnati	23-Jun-09		60	62	
470	Cincinnati	30-Jun-09		92	40	
			Geometric Mean	165	64	
477.5	Cincinnati	02-Jun-09		80	36	
477.5	Cincinnati	09-Jun-09		**2,900**	**146**	**EXCEEDS**
477.5	Cincinnati	16-Jun-09		210	68	
477.5	Cincinnati	23-Jun-09		88	96	
477.5	Cincinnati	30-Jun-09		112	48	
			Geometric Mean	217	70	**EXCEEDS**
Possible Lab contamination-Blanks had positive results on June 9, 2009 samples.						
462.6	Cincinnati	07-Jul-09		51	40	
462.6	Cincinnati	14-Jul-09		43	8	
462.6	Cincinnati	21-Jul-09		40	24	
462.6	Cincinnati	23-Jul-09		1,200	490	**EXCEEDS**
462.6	Cincinnati	28-Jul-09		100	43	
			Geometric Mean	101	44	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
463.9	Cincinnati AquaRamp	07-Jul-09		63	20	
463.9	Cincinnati AquaRamp	14-Jul-09		8	12	
463.9	Cincinnati AquaRamp	21-Jul-09		12	8	
463.9	Cincinnati AquaRamp	23-Jul-09		50	60	
463.9	Cincinnati AquaRamp	28-Jul-09		8	28	
			Geometric Mean	19	20	
469.9	Cincinnati Who-Day Dock	07-Jul-09		66	64	
469.9	Cincinnati Who-Day Dock	14-Jul-09		4	4	
469.9	Cincinnati Who-Day Dock	21-Jul-09		17,000	14,200	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	23-Jul-09		460	280	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	28-Jul-09		70	71	
			Geometric Mean	171	149	**EXCEEDS**
470	Cincinnati	07-Jul-09		60	34	
470	Cincinnati	14-Jul-09		8	4	
470	Cincinnati	21-Jul-09		128	54	
470	Cincinnati	23-Jul-09		460	360	**EXCEEDS**
470	Cincinnati	28-Jul-09		36	12	
			Geometric Mean	63	32	
477.5	Cincinnati	07-Jul-09		600	50	**EXCEEDS**
477.5	Cincinnati	14-Jul-09		32	8	
477.5	Cincinnati	21-Jul-09		891	400	**EXCEEDS**
477.5	Cincinnati	23-Jul-09		10,500	5,900	**EXCEEDS**
477.5	Cincinnati	28-Jul-09		36	48	
			Geometric Mean	365	135	**EXCEEDS**
462.6	Cincinnati	04-Aug-09		211	168	
462.6	Cincinnati	11-Aug-09		250	290	**EXCEEDS**
462.6	Cincinnati	18-Aug-09		24	12	
462.6	Cincinnati	20-Aug-09		68	12	
462.6	Cincinnati	25-Aug-09		52	20	
			Geometric Mean	85	43	
463.9	Cincinnati AquaRamp	04-Aug-09		214	140	
463.9	Cincinnati AquaRamp	11-Aug-09		24	24	
463.9	Cincinnati AquaRamp	18-Aug-09		24	12	
463.9	Cincinnati AquaRamp	20-Aug-09		8	4	
463.9	Cincinnati AquaRamp	25-Aug-09		16	16	
			Geometric Mean	28	19	
469.9	Cincinnati Who-Day Dock	04-Aug-09		360	228	
469.9	Cincinnati Who-Day Dock	11-Aug-09		1,020	530	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	18-Aug-09		800	600	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	20-Aug-09		92	54	
469.9	Cincinnati Who-Day Dock	25-Aug-09		36	20	
			Geometric Mean	250	151	**EXCEEDS**
470	Cincinnati	04-Aug-09		220	186	
470	Cincinnati	11-Aug-09		1,200	890	**EXCEEDS**
470	Cincinnati	18-Aug-09		510	350	**EXCEEDS**
470	Cincinnati	20-Aug-09		86	76	
470	Cincinnati	25-Aug-09		50	32	
			Geometric Mean	225	170	**EXCEEDS**
477.5	Cincinnati	04-Aug-09		208	154	
477.5	Cincinnati	11-Aug-09		954	500	**EXCEEDS**
477.5	Cincinnati	18-Aug-09		540	280	**EXCEEDS**
477.5	Cincinnati	20-Aug-09		226	164	
477.5	Cincinnati	25-Aug-09		24	4	
			Geometric Mean	225	107	**EXCEEDS**
462.6	Cincinnati	01-Sep-09		4	16	
462.6	Cincinnati	08-Sep-09		16	4	
462.6	Cincinnati	15-Sep-09		4	24	
462.6	Cincinnati	22-Sep-09		28	8	
462.6	Cincinnati	29-Sep-09		570	283	**EXCEEDS**
			Geometric Mean	21	20	
463.9	Cincinnati AquaRamp	01-Sep-09		4	4	
463.9	Cincinnati AquaRamp	08-Sep-09		8	12	
463.9	Cincinnati AquaRamp	15-Sep-09		4	4	
463.9	Cincinnati AquaRamp	22-Sep-09		4	4	
463.9	Cincinnati AquaRamp	29-Sep-09		440	400	**EXCEEDS**
			Geometric Mean	12	13	
469.9	Cincinnati Who-Day Dock	01-Sep-09		16	4	
469.9	Cincinnati Who-Day Dock	08-Sep-09		1,800	709	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	15-Sep-09		60	40	
469.9	Cincinnati Who-Day Dock	22-Sep-09		290	192	
469.9	Cincinnati Who-Day Dock	29-Sep-09		320	370	**EXCEEDS**
			Geometric Mean	174	96	
470	Cincinnati	01-Sep-09		4	4	
470	Cincinnati	08-Sep-09		764	420	**EXCEEDS**
470	Cincinnati	15-Sep-09		16	12	
470	Cincinnati	22-Sep-09		1,900	5,000	**EXCEEDS**
470	Cincinnati	29-Sep-09		370	370	**EXCEEDS**
			Geometric Mean	128	130	**EXCEEDS**
477.5	Cincinnati	01-Sep-09		8	4	
477.5	Cincinnati	08-Sep-09		1,300	700	**EXCEEDS**
477.5	Cincinnati	15-Sep-09		28	16	
477.5	Cincinnati	22-Sep-09		736	136	**EXCEEDS**
477.5	Cincinnati	29-Sep-09		350	277	**EXCEEDS**
			Geometric Mean	150	70	
462.6	Cincinnati	08-Oct-09		40	16	
462.6	Cincinnati	13-Oct-09		320	223	
462.6	Cincinnati	20-Oct-09		40	28	
462.6	Cincinnati	22-Oct-09		44	24	
462.6	Cincinnati	27-Oct-09		168	164	
			Geometric Mean	82	52	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
463.9	Cincinnati AquaRamp	08-Oct-09		12	8	
463.9	Cincinnati AquaRamp	13-Oct-09		292	290	**EXCEEDS**
463.9	Cincinnati AquaRamp	20-Oct-09		24	16	
463.9	Cincinnati AquaRamp	22-Oct-09		20	24	
463.9	Cincinnati AquaRamp	27-Oct-09		220	231	
			Geometric Mean	52	46	
469.9	Cincinnati Who-Day Dock	08-Oct-09		74	24	
469.9	Cincinnati Who-Day Dock	13-Oct-09		370	440	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	20-Oct-09		92	64	
469.9	Cincinnati Who-Day Dock	22-Oct-09		72	36	
469.9	Cincinnati Who-Day Dock	27-Oct-09		200	217	
			Geometric Mean	129	88	
470	Cincinnati	08-Oct-09		108	40	
470	Cincinnati	13-Oct-09		290	226	
470	Cincinnati	20-Oct-09		40	54	
470	Cincinnati	22-Oct-09		40	28	
470	Cincinnati	27-Oct-09		240	220	
			Geometric Mean	104	79	
477.5	Cincinnati	08-Oct-09		57	44	
477.5	Cincinnati	13-Oct-09		600	410	**EXCEEDS**
477.5	Cincinnati	20-Oct-09		36	20	
477.5	Cincinnati	22-Oct-09		51	51	
477.5	Cincinnati	27-Oct-09		186	217	
			Geometric Mean	103	83	
594	Louisville	05-May-09		48	20	
594	Louisville	12-May-09		223	60	
594	Louisville	19-May-09		200	200	
594	Louisville	21-May-09		80	48	
594	Louisville	27-May-09		36	4	
			Geometric Mean	91	34	
608.7	Louisville	05-May-09		43	16	
608.7	Louisville	12-May-09		108	116	
608.7	Louisville	19-May-09		177	70	
608.7	Louisville	21-May-09		92	40	
608.7	Louisville	27-May-09		24	20	
			Geometric Mean	71	40	
619.3	Louisville	05-May-09		36	4	
619.3	Louisville	12-May-09		226	80	
619.3	Louisville	19-May-09		152	60	
619.3	Louisville	21-May-09		100	60	
619.3	Louisville	27-May-09		112	4	
			Geometric Mean	107	22	
594	Louisville	02-Jun-09		63	4	
594	Louisville	09-Jun-09		51	100	
594	Louisville	16-Jun-09		174	40	
594	Louisville	18-Jun-09		234	300	**EXCEEDS**
594	Louisville	23-Jun-09		190,000	8,900	**EXCEEDS**
			Geometric Mean	478	134	**EXCEEDS**
608.7	Louisville	02-Jun-09		66	4	
608.7	Louisville	09-Jun-09		112	80	
608.7	Louisville	16-Jun-09		100	20	
608.7	Louisville	18-Jun-09		217	100	
608.7	Louisville	23-Jun-09		7,300	1,300	**EXCEEDS**
			Geometric Mean	259	61	**EXCEEDS**
619.3	Louisville	02-Jun-09		152	8	
619.3	Louisville	09-Jun-09		68	57	
619.3	Louisville	16-Jun-09		2,500	900	**EXCEEDS**
619.3	Louisville	18-Jun-09		2,900	300	**EXCEEDS**
619.3	Louisville	23-Jun-09		600	50	**EXCEEDS**
			Geometric Mean	538	91	**EXCEEDS**
594	Louisville	08-Jul-09		360	80	
594	Louisville	14-Jul-09		24	12	
594	Louisville	21-Jul-09		12	4	
594	Louisville	23-Jul-09		68	60	
594	Louisville	28-Jul-09		100	16	
			Geometric Mean	59	21	
608.7	Louisville	08-Jul-09		257	160	
608.7	Louisville	14-Jul-09		30	50	
608.7	Louisville	21-Jul-09		257	4	
608.7	Louisville	23-Jul-09		600	500	**EXCEEDS**
608.7	Louisville	28-Jul-09		328	12	
			Geometric Mean	208	45	**EXCEEDS**
619.3	Louisville	08-Jul-09		46	24	
619.3	Louisville	14-Jul-09		233	112	
619.3	Louisville	21-Jul-09		410	92	**EXCEEDS**
619.3	Louisville	23-Jul-09		257	97	
619.3	Louisville	28-Jul-09		590	184	**EXCEEDS**
			Geometric Mean	232	85	**EXCEEDS**
594	Louisville	04-Aug-09		144	80	
594	Louisville	06-Aug-09		4,300	2,200	**EXCEEDS**
594	Louisville	18-Aug-09		48	16	
594	Louisville	25-Aug-09		12	10	
594	Louisville	27-Aug-09		40	100	
			Geometric Mean	107	78	
608.7	Louisville	04-Aug-09		248	100	
608.7	Louisville	06-Aug-09		4,800	2,200	**EXCEEDS**
608.7	Louisville	18-Aug-09		450	190	**EXCEEDS**
608.7	Louisville	25-Aug-09		210	4	
608.7	Louisville	27-Aug-09		4	16	
			Geometric Mean	214	77	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
619.3	Louisville	04-Aug-09		570	140	**EXCEEDS**
619.3	Louisville	06-Aug-09		12,300	6,300	**EXCEEDS**
619.3	Louisville	18-Aug-09		88	200	
619.3	Louisville	25-Aug-09		24	16	
619.3	Louisville	27-Aug-09		56	100	
			Geometric Mean	242	195	**EXCEEDS**
594	Louisville	01-Sep-09		20	50	
594	Louisville	09-Sep-09		12	16	
594	Louisville	15-Sep-09		32	16	
594	Louisville	22-Sep-09		720	760	**EXCEEDS**
594	Louisville	29-Sep-09		116	39	
			Geometric Mean	58	52	
608.7	Louisville	01-Sep-09		44	10	
608.7	Louisville	09-Sep-09		64	24	
608.7	Louisville	15-Sep-09		64	20	
608.7	Louisville	22-Sep-09		16,500	17,300	**EXCEEDS**
608.7	Louisville	29-Sep-09		80	172	
			Geometric Mean	188	107	
619.3	Louisville	01-Sep-09		96	60	
619.3	Louisville	09-Sep-09		84	24	
619.3	Louisville	15-Sep-09		16	4	
619.3	Louisville	22-Sep-09		11,900	6,400	**EXCEEDS**
619.3	Louisville	29-Sep-09		600	400	**EXCEEDS**
			Geometric Mean	247	108	**EXCEEDS**
594	Louisville	07-Oct-09		20	4	
594	Louisville	13-Oct-09		440	90	**EXCEEDS**
594	Louisville	20-Oct-09		60	32	
594	Louisville	27-Oct-09		60	44	
594	Louisville	29-Oct-09		340	250	**EXCEEDS**
			Geometric Mean	101	42	
608.7	Louisville	07-Oct-09		16	12	
608.7	Louisville	13-Oct-09		510	1,100	**EXCEEDS**
608.7	Louisville	20-Oct-09		76	48	
608.7	Louisville	27-Oct-09		92	36	
608.7	Louisville	29-Oct-09		380	160	
			Geometric Mean	117	82	
619.3	Louisville	07-Oct-09		2,400	1,100	**EXCEEDS**
619.3	Louisville	13-Oct-09		1,600	600	**EXCEEDS**
619.3	Louisville	20-Oct-09		112	52	
619.3	Louisville	27-Oct-09		72	20	
619.3	Louisville	29-Oct-09		810	630	**EXCEEDS**
			Geometric Mean	478	212	**EXCEEDS**
791.5	Evansville	05-May-09		31	28	
791.5	Evansville	12-May-09		132	130	
791.5	Evansville	19-May-09		45	120	
791.5	Evansville	21-May-09		100	4	
791.5	Evansville	26-May-09		150	700	**EXCEEDS**
			Geometric Mean	77	66	
793.7	Evansville	05-May-09		100	80	
793.7	Evansville	12-May-09		430	300	**EXCEEDS**
793.7	Evansville	19-May-09		128	200	
793.7	Evansville	21-May-09		100	20	
793.7	Evansville	26-May-09		1,500	2,000	**EXCEEDS**
			Geometric Mean	242	181	**EXCEEDS**
797.3	Evansville	05-May-09		116	132	
797.3	Evansville	12-May-09		254	200	
797.3	Evansville	19-May-09		54	30	
797.3	Evansville	21-May-09		136	4	
797.3	Evansville	26-May-09		800	3,600	**EXCEEDS**
			Geometric Mean	177	103	
791.5	Evansville	02-Jun-09		20	4	
791.5	Evansville	09-Jun-09		12	20	
791.5	Evansville	16-Jun-09		180	130	
791.5	Evansville	23-Jun-09		180	191	
791.5	Evansville	30-Jun-09		12	12	
			Geometric Mean	39	30	
793.7	Evansville	02-Jun-09		52	16	
793.7	Evansville	09-Jun-09		20	24	
793.7	Evansville	16-Jun-09		2,200	2,100	**EXCEEDS**
793.7	Evansville	23-Jun-09		110	180	
793.7	Evansville	30-Jun-09		24	44	
			Geometric Mean	90	91	
797.3	Evansville	02-Jun-09		68	54	
797.3	Evansville	09-Jun-09		180	40	
797.3	Evansville	16-Jun-09		310	50	
797.3	Evansville	23-Jun-09		192	163	
797.3	Evansville	30-Jun-09		20	16	
			Geometric Mean	108	49	
791.5	Evansville	07-Jul-09		83	24	
791.5	Evansville	14-Jul-09		8	4	
791.5	Evansville	21-Jul-09		8	4	
791.5	Evansville	23-Jul-09		140	60	
791.5	Evansville	28-Jul-09		8	10	
			Geometric Mean	23	12	
793.7	Evansville	07-Jul-09		36	90	
793.7	Evansville	14-Jul-09		220	250	**EXCEEDS**
793.7	Evansville	21-Jul-09		20	20	
793.7	Evansville	23-Jul-09		570	88	**EXCEEDS**
793.7	Evansville	28-Jul-09		68	54	
			Geometric Mean	91	73	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2009

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
797.3	Evansville	07-Jul-09		20	40	
797.3	Evansville	14-Jul-09		54	60	
797.3	Evansville	21-Jul-09		24	24	
797.3	Evansville	23-Jul-09		620	390	**EXCEEDS**
797.3	Evansville	28-Jul-09		60	4	
			Geometric Mean	63	39	
791.5	Evansville	04-Aug-09		51	200	
791.5	Evansville	11-Aug-09		144	100	
791.5	Evansville	18-Aug-09		40	20	
791.5	Evansville	20-Aug-09		520	152	**EXCEEDS**
791.5	Evansville	25-Aug-09		4	4	
			Geometric Mean	57	48	
793.7	Evansville	04-Aug-09		96	4	
793.7	Evansville	11-Aug-09		540	1,100	**EXCEEDS**
793.7	Evansville	18-Aug-09		40	16	
793.7	Evansville	20-Aug-09		6,100	2,200	**EXCEEDS**
793.7	Evansville	25-Aug-09		20	14	
			Geometric Mean	191	74	
797.3	Evansville	04-Aug-09		96	108	
797.3	Evansville	11-Aug-09		810	1,100	**EXCEEDS**
797.3	Evansville	18-Aug-09		92	20	
797.3	Evansville	20-Aug-09		540	92	**EXCEEDS**
797.3	Evansville	25-Aug-09		4	20	
			Geometric Mean	109	85	
791.5	Evansville	01-Sep-09		12	32	
791.5	Evansville	08-Sep-09		60	100	
791.5	Evansville	15-Sep-09		17	4	
791.5	Evansville	22-Sep-09		243	450	**EXCEEDS**
791.5	Evansville	29-Sep-09		66	64	
			Geometric Mean	46	52	
793.7	Evansville	01-Sep-09		128	86	
793.7	Evansville	08-Sep-09		240	300	**EXCEEDS**
793.7	Evansville	15-Sep-09		12	17	
793.7	Evansville	22-Sep-09		246	250	**EXCEEDS**
793.7	Evansville	29-Sep-09		136	166	
			Geometric Mean	104	113	
797.3	Evansville	01-Sep-09		12	16	
797.3	Evansville	08-Sep-09		220	400	**EXCEEDS**
797.3	Evansville	15-Sep-09		20	32	
797.3	Evansville	22-Sep-09		211	190	
797.3	Evansville	29-Sep-09		108	100	
			Geometric Mean	65	83	
791.5	Evansville	06-Oct-09		28	4	
791.5	Evansville	13-Oct-09		570	200	**EXCEEDS**
791.5	Evansville	20-Oct-09		48	36	
791.5	Evansville	22-Oct-09		20	16	
791.5	Evansville	27-Oct-09		77	108	
			Geometric Mean	65	35	
793.7	Evansville	06-Oct-09		136	64	
793.7	Evansville	13-Oct-09		590	100	**EXCEEDS**
793.7	Evansville	20-Oct-09		24	54	
793.7	Evansville	22-Oct-09		24	60	
793.7	Evansville	27-Oct-09		74	92	
			Geometric Mean	81	72	
797.3	Evansville	06-Oct-09		64	20	
797.3	Evansville	13-Oct-09		220	400	**EXCEEDS**
797.3	Evansville	20-Oct-09		30	11	
797.3	Evansville	22-Oct-09		32	57	
797.3	Evansville	27-Oct-09		92	84	
			Geometric Mean	66	53	

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

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4M	Pittsburgh	04-May-10		936	236	**EXCEEDS**
1.4M	Pittsburgh	11-May-10		340	145	
1.4M	Pittsburgh	18-May-10		7,700	4,800	**EXCEEDS**
1.4M	Pittsburgh	20-May-10		380	260	**EXCEEDS**
1.4M	Pittsburgh	25-May-10		718	340	**EXCEEDS**
			Geometric Mean	923	429	**EXCEEDS**
4.3	Pittsburgh	04-May-10		718	350	**EXCEEDS**
4.3	Pittsburgh	11-May-10		300	136	
4.3	Pittsburgh	18-May-10		6,800	3,500	**EXCEEDS**
4.3	Pittsburgh	20-May-10		510	320	**EXCEEDS**
4.3	Pittsburgh	25-May-10		882	570	**EXCEEDS**
			Geometric Mean	920	497	**EXCEEDS**
1.4M	Pittsburgh	01-Jun-10		7,600	5,500	**EXCEEDS**
1.4M	Pittsburgh	08-Jun-10		2,800	700	**EXCEEDS**
1.4M	Pittsburgh	15-Jun-10		3,200	500	**EXCEEDS**
1.4M	Pittsburgh	22-Jun-10		2,400	700	**EXCEEDS**
1.4M	Pittsburgh	29-Jun-10		5,600	1,600	**EXCEEDS**
			Geometric Mean	3911	1166	**EXCEEDS**
4.3	Pittsburgh	01-Jun-10		6,800	4,300	**EXCEEDS**
4.3	Pittsburgh	08-Jun-10		3,900	500	**EXCEEDS**
4.3	Pittsburgh	15-Jun-10		2,400	700	**EXCEEDS**
4.3	Pittsburgh	22-Jun-10		2,900	600	**EXCEEDS**
4.3	Pittsburgh	29-Jun-10		5,100	2,000	**EXCEEDS**
			Geometric Mean	3933	1125	**EXCEEDS**
1.4M	Pittsburgh	06-Jul-10		100	16	
1.4M	Pittsburgh	13-Jul-10		108	24	
1.4M	Pittsburgh	20-Jul-10		6,900	3,000	**EXCEEDS**
1.4M	Pittsburgh	22-Jul-10		545	160	**EXCEEDS**
1.4M	Pittsburgh	27-Jul-10		206	60	
			Geometric Mean	384	102	**EXCEEDS**
4.3	Pittsburgh	06-Jul-10		88	12	
4.3	Pittsburgh	13-Jul-10		100	20	
4.3	Pittsburgh	20-Jul-10		6,600	1,600	**EXCEEDS**
4.3	Pittsburgh	22-Jul-10		490	120	**EXCEEDS**
4.3	Pittsburgh	27-Jul-10		160	28	
			Geometric Mean	340	66	**EXCEEDS**
1.4M	Pittsburgh	03-Aug-10		176	60	
1.4M	Pittsburgh	10-Aug-10		300	70	
1.4M	Pittsburgh	17-Aug-10		1,000	136	**EXCEEDS**
1.4M	Pittsburgh	24-Aug-10		4,000	1,700	**EXCEEDS**
4.3	Pittsburgh	03-Aug-10		390	100	
4.3	Pittsburgh	10-Aug-10		200	50	
4.3	Pittsburgh	17-Aug-10		800	130	**EXCEEDS**
4.3	Pittsburgh	24-Aug-10		1,800	300	**EXCEEDS**
1.4M	Pittsburgh	07-Sep-10		5,400	2,200	**EXCEEDS**
1.4M	Pittsburgh	14-Sep-10		242	100	
1.4M	Pittsburgh	20-Sep-10		500	100	**EXCEEDS**
1.4M	Pittsburgh	27-Sep-10		197	77	
1.4M	Pittsburgh	28-Sep-10		6,900	2,900	**EXCEEDS**
			Geometric Mean	977	345	**EXCEEDS**
4.3	Pittsburgh	07-Sep-10		3,000	1,200	**EXCEEDS**
4.3	Pittsburgh	14-Sep-10		208	30	
4.3	Pittsburgh	20-Sep-10		550	120	**EXCEEDS**
4.3	Pittsburgh	27-Sep-10		156	51	
4.3	Pittsburgh	28-Sep-10		7,500	3,800	**EXCEEDS**
			Geometric Mean	833	242	**EXCEEDS**
1.4M	Pittsburgh	05-Oct-10		1,100	400	**EXCEEDS**
1.4M	Pittsburgh	12-Oct-10		627	227	**EXCEEDS**
1.4M	Pittsburgh	19-Oct-10		360	170	
1.4M	Pittsburgh	21-Oct-10		450	240	**EXCEEDS**
1.4M	Pittsburgh	26-Oct-10		4,900	2,300	**EXCEEDS**
			Geometric Mean	886	386	**EXCEEDS**
4.3	Pittsburgh	05-Oct-10		1,000	300	**EXCEEDS**
4.3	Pittsburgh	12-Oct-10		318	80	
4.3	Pittsburgh	19-Oct-10		210	150	
4.3	Pittsburgh	21-Oct-10		320	230	
4.3	Pittsburgh	26-Oct-10		1,600	700	**EXCEEDS**
			Geometric Mean	509	225	**EXCEEDS**
86.8	Wheeling	04-May-10		4	4	
86.8	Wheeling	11-May-10		20	44	
86.8	Wheeling	18-May-10		350	203	
86.8	Wheeling	20-May-10		900	450	**EXCEEDS**
86.8	Wheeling	25-May-10		124	40	
			Geometric Mean	79	58	
92.8	Wheeling	04-May-10		1,700	891	**EXCEEDS**
92.8	Wheeling	11-May-10		92	20	
92.8	Wheeling	18-May-10		1,244	909	**EXCEEDS**
92.8	Wheeling	20-May-10		682	277	**EXCEEDS**
92.8	Wheeling	25-May-10		320	72	
			Geometric Mean	532	200	**EXCEEDS**
86.8	Wheeling	01-Jun-10		104	16	
86.8	Wheeling	08-Jun-10		2,400	490	**EXCEEDS**
86.8	Wheeling	15-Jun-10		927	52	**EXCEEDS**
86.8	Wheeling	22-Jun-10		3,600	410	**EXCEEDS**
86.8	Wheeling	29-Jun-10		40	12	
			Geometric Mean	506	73	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
92.8	Wheeling	01-Jun-10		660	214	**EXCEEDS**
92.8	Wheeling	08-Jun-10		4,600	980	**EXCEEDS**
92.8	Wheeling	15-Jun-10		3,900	773	**EXCEEDS**
92.8	Wheeling	22-Jun-10		5,700	900	**EXCEEDS**
92.8	Wheeling	29-Jun-10		3,300	1,600	**EXCEEDS**
			Geometric Mean	2948	748	**EXCEEDS**
86.8	Wheeling	06-Jul-10		8	4	
86.8	Wheeling	13-Jul-10		80	84	
86.8	Wheeling	20-Jul-10		80	4	
86.8	Wheeling	22-Jul-10		12	4	
86.8	Wheeling	27-Jul-10		188	8	
			Geometric Mean	41	8	
92.8	Wheeling	06-Jul-10		900	200	**EXCEEDS**
92.8	Wheeling	13-Jul-10		12,300	3,600	**EXCEEDS**
92.8	Wheeling	20-Jul-10		700	720	**EXCEEDS**
92.8	Wheeling	22-Jul-10		317	20	
92.8	Wheeling	27-Jul-10		6,100	1,072	**EXCEEDS**
			Geometric Mean	1718	407	**EXCEEDS**
86.8	Wheeling	03-Aug-10		550	56	**EXCEEDS**
86.8	Wheeling	10-Aug-10		4	4	
86.8	Wheeling	17-Aug-10		100	12	
86.8	Wheeling	24-Aug-10		270	30	
86.8	Wheeling	31-Aug-10		20	4	
			Geometric Mean	65	13	
92.8	Wheeling	03-Aug-10		1,150	2,400	**EXCEEDS**
92.8	Wheeling	10-Aug-10		200	168	
92.8	Wheeling	17-Aug-10		172	56	
92.8	Wheeling	24-Aug-10		500	840	**EXCEEDS**
92.8	Wheeling	31-Aug-10		72	8	
			Geometric Mean	270	172	**EXCEEDS**
86.8	Wheeling	07-Sep-10		4	10	
86.8	Wheeling	14-Sep-10		4	4	
86.8	Wheeling	21-Sep-10		20	8	
86.8	Wheeling	23-Sep-10		92	8	
86.8	Wheeling	28-Sep-10		164	32	
			Geometric Mean	22	10	
92.8	Wheeling	07-Sep-10		20	12	
92.8	Wheeling	14-Sep-10		360	40	
92.8	Wheeling	21-Sep-10		216	20	
92.8	Wheeling	23-Sep-10		104	16	
92.8	Wheeling	28-Sep-10		6,000	5,000	**EXCEEDS**
			Geometric Mean	250	60	**EXCEEDS**
86.8	Wheeling	05-Oct-10		28	28	
86.8	Wheeling	12-Oct-10		4	4	
86.8	Wheeling	19-Oct-10		24	8	
86.8	Wheeling	21-Oct-10		8	4	
86.8	Wheeling	26-Oct-10		12	8	
			Geometric Mean	12	8	
92.8	Wheeling	05-Oct-10		300	90	
92.8	Wheeling	12-Oct-10		24	12	
92.8	Wheeling	19-Oct-10		15,900	6,400	**EXCEEDS**
92.8	Wheeling	21-Oct-10		208	96	
92.8	Wheeling	26-Oct-10		24	20	
			Geometric Mean	225	106	**EXCEEDS**
305.1	Huntington	04-May-10		640	590	**EXCEEDS**
305.1	Huntington	11-May-10		16	12	
305.1	Huntington	18-May-10		112	84	
305.1	Huntington	20-May-10		260	243	**EXCEEDS**
305.1	Huntington	25-May-10		37	16	
			Geometric Mean	102	75	
314.8	Huntington	04-May-10		790	480	**EXCEEDS**
314.8	Huntington	11-May-10		164	85	
314.8	Huntington	18-May-10		186	84	
314.8	Huntington	20-May-10		430	212	**EXCEEDS**
314.8	Huntington	25-May-10		154	83	
			Geometric Mean	276	143	**EXCEEDS**
305.1	Huntington	01-Jun-10		16	12	
305.1	Huntington	08-Jun-10		88	37	
305.1	Huntington	15-Jun-10		4,800	2,200	**EXCEEDS**
305.1	Huntington	22-Jun-10		231	157	
305.1	Huntington	29-Jun-10		430	269	**EXCEEDS**
			Geometric Mean	232	133	**EXCEEDS**
314.8	Huntington	01-Jun-10		380	209	
314.8	Huntington	08-Jun-10		136	92	
314.8	Huntington	15-Jun-10		3,200	882	**EXCEEDS**
314.8	Huntington	22-Jun-10		430	249	**EXCEEDS**
314.8	Huntington	29-Jun-10		540	220	**EXCEEDS**
			Geometric Mean	521	248	**EXCEEDS**
305.1	Huntington	06-Jul-10		20	4	
305.1	Huntington	13-Jul-10		92	20	
305.1	Huntington	20-Jul-10		16	12	
305.1	Huntington	22-Jul-10		330	4	
305.1	Huntington	27-Jul-10		8	4	
			Geometric Mean	38	7	
314.8	Huntington	06-Jul-10		4	4	
314.8	Huntington	13-Jul-10		3,600	2,100	**EXCEEDS**
314.8	Huntington	20-Jul-10		40	16	
314.8	Huntington	22-Jul-10		900	310	**EXCEEDS**
314.8	Huntington	27-Jul-10		217	114	
			Geometric Mean	162	86	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
305.1	Huntington	03-Aug-10		43	4	
305.1	Huntington	10-Aug-10		4	4	
305.1	Huntington	17-Aug-10		44	8	
305.1	Huntington	24-Aug-10		16	4	
305.1	Huntington	31-Aug-10		8	4	
			Geometric Mean	16	5	
314.8	Huntington	03-Aug-10		49	4	
314.8	Huntington	10-Aug-10		66	4	
314.8	Huntington	17-Aug-10		72	24	
314.8	Huntington	24-Aug-10		103	28	
314.8	Huntington	31-Aug-10		203	104	
			Geometric Mean	87	16	
305.1	Huntington	07-Sep-10		8	4	
305.1	Huntington	14-Sep-10		4	4	
305.1	Huntington	21-Sep-10		4	4	
305.1	Huntington	23-Sep-10		4	4	
305.1	Huntington	28-Sep-10		24	8	
			Geometric Mean	7	5	
314.8	Huntington	07-Sep-10		52	4	
314.8	Huntington	14-Sep-10		16	4	
314.8	Huntington	21-Sep-10		49	4	
314.8	Huntington	23-Sep-10		84	4	
314.8	Huntington	28-Sep-10		164	68	
			Geometric Mean	56	7	
305.1	Huntington	05-Oct-10		4	4	
305.1	Huntington	12-Oct-10		8	4	
305.1	Huntington	19-Oct-10		4	4	
305.1	Huntington	21-Oct-10		4	4	
305.1	Huntington	26-Oct-10		20	4	
			Geometric Mean	6	4	
314.8	Huntington	05-Oct-10		66	12	
314.8	Huntington	12-Oct-10		4	4	
314.8	Huntington	19-Oct-10		24	4	
314.8	Huntington	21-Oct-10		36	4	
314.8	Huntington	26-Oct-10		390	152	
			Geometric Mean	39	10	
462.6	Cincinnati	04-May-10		2,900	2,100	**EXCEEDS**
462.6	Cincinnati	11-May-10		146	84	
462.6	Cincinnati	18-May-10		130	220	
462.6	Cincinnati	20-May-10		230	140	
462.6	Cincinnati	25-May-10		350	240	
			Geometric Mean	338	265	**EXCEEDS**
463.9	Cincinnati AquaRamp	04-May-10		2,100	3,100	**EXCEEDS**
463.9	Cincinnati AquaRamp	11-May-10		76	28	
463.9	Cincinnati AquaRamp	18-May-10		500	157	**EXCEEDS**
463.9	Cincinnati AquaRamp	20-May-10		220	280	**EXCEEDS**
463.9	Cincinnati AquaRamp	25-May-10		110	360	**EXCEEDS**
			Geometric Mean	287	268	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	04-May-10		15,500	10,300	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	11-May-10		1,000	690	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	18-May-10		236	104	
469.9	Cincinnati Who-Day Dock	20-May-10		300	320	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	25-May-10		460	520	**EXCEEDS**
			Geometric Mean	872	658	**EXCEEDS**
470	Cincinnati	04-May-10		1,400	2,300	**EXCEEDS**
470	Cincinnati	11-May-10		580	320	**EXCEEDS**
470	Cincinnati	18-May-10		210	112	
470	Cincinnati	20-May-10		300	270	**EXCEEDS**
470	Cincinnati	25-May-10		400	450	**EXCEEDS**
			Geometric Mean	459	398	**EXCEEDS**
477.5	Cincinnati	04-May-10		3,200	3,100	**EXCEEDS**
477.5	Cincinnati	11-May-10		80	31	
477.5	Cincinnati	18-May-10		310	200	
477.5	Cincinnati	20-May-10		200	320	**EXCEEDS**
477.5	Cincinnati	25-May-10		1,700	718	**EXCEEDS**
			Geometric Mean	486	338	**EXCEEDS**
462.6	Cincinnati	01-Jun-10		66	84	
462.6	Cincinnati	08-Jun-10		120	60	
462.6	Cincinnati	15-Jun-10		700	770	**EXCEEDS**
462.6	Cincinnati	22-Jun-10		500	320	**EXCEEDS**
462.6	Cincinnati	29-Jun-10		1,200	709	**EXCEEDS**
			Geometric Mean	319	245	**EXCEEDS**
463.9	Cincinnati AquaRamp	01-Jun-10		46	12	
463.9	Cincinnati AquaRamp	08-Jun-10		136	88	
463.9	Cincinnati AquaRamp	15-Jun-10		510	430	**EXCEEDS**
463.9	Cincinnati AquaRamp	22-Jun-10		200	230	
463.9	Cincinnati AquaRamp	29-Jun-10		382	380	**EXCEEDS**
			Geometric Mean	189	132	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	01-Jun-10		116	20	
469.9	Cincinnati Who-Day Dock	08-Jun-10		136	60	
469.9	Cincinnati Who-Day Dock	15-Jun-10		600	450	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	22-Jun-10		600	400	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	29-Jun-10		1,800	1,700	**EXCEEDS**
			Geometric Mean	400	206	**EXCEEDS**
470	Cincinnati	01-Jun-10		214	77	
470	Cincinnati	08-Jun-10		166	110	
470	Cincinnati	15-Jun-10		1,900	510	**EXCEEDS**
470	Cincinnati	22-Jun-10		800	727	**EXCEEDS**
470	Cincinnati	29-Jun-10		1,500	900	**EXCEEDS**
			Geometric Mean	605	309	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
477.5	Cincinnati	01-Jun-10		530	320	**EXCEEDS**
477.5	Cincinnati	08-Jun-10		80	60	
477.5	Cincinnati	15-Jun-10		1,200	700	**EXCEEDS**
477.5	Cincinnati	22-Jun-10		20,000	15,200	**EXCEEDS**
477.5	Cincinnati	29-Jun-10		3,200	2,500	**EXCEEDS**
			Geometric Mean	1266	874	**EXCEEDS**
462.6	Cincinnati	06-Jul-10		16	16	
462.6	Cincinnati	13-Jul-10		16	8	
462.6	Cincinnati	20-Jul-10		56	28	
462.6	Cincinnati	22-Jul-10		4,200	1,800	**EXCEEDS**
462.6	Cincinnati	27-Jul-10		132	52	
			Geometric Mean	96	51	
463.9	Cincinnati AquaRamp	06-Jul-10		16	12	
463.9	Cincinnati AquaRamp	13-Jul-10		8	4	
463.9	Cincinnati AquaRamp	20-Jul-10		4	8	
463.9	Cincinnati AquaRamp	22-Jul-10		3,500	918	**EXCEEDS**
463.9	Cincinnati AquaRamp	27-Jul-10		32	32	
			Geometric Mean	36	26	
469.9	Cincinnati Who-Day Dock	06-Jul-10		52	40	
469.9	Cincinnati Who-Day Dock	13-Jul-10		24	4	
469.9	Cincinnati Who-Day Dock	20-Jul-10		48	20	
469.9	Cincinnati Who-Day Dock	22-Jul-10		3,400	1,500	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	27-Jul-10		80	20	
			Geometric Mean	110	39	
470	Cincinnati	06-Jul-10		200	28	
470	Cincinnati	13-Jul-10		71	92	
470	Cincinnati	20-Jul-10		60	32	
470	Cincinnati	22-Jul-10		1,400	1,200	**EXCEEDS**
470	Cincinnati	27-Jul-10		60	32	
			Geometric Mean	148	79	
477.5	Cincinnati	06-Jul-10		173	34	
477.5	Cincinnati	13-Jul-10		80	28	
477.5	Cincinnati	20-Jul-10		152	46	
477.5	Cincinnati	22-Jul-10		1,200	1,300	**EXCEEDS**
477.5	Cincinnati	27-Jul-10		77	8	
			Geometric Mean	181	54	
462.6	Cincinnati	03-Aug-10		20	4	
462.6	Cincinnati	10-Aug-10		8	4	
462.6	Cincinnati	17-Aug-10		46	16	
462.6	Cincinnati	24-Aug-10		4	12	
462.6	Cincinnati	31-Aug-10		16	4	
			Geometric Mean	14	7	
463.9	Cincinnati AquaRamp	03-Aug-10		40	4	
463.9	Cincinnati AquaRamp	10-Aug-10		4	4	
463.9	Cincinnati AquaRamp	17-Aug-10		30	12	
463.9	Cincinnati AquaRamp	24-Aug-10		4	4	
463.9	Cincinnati AquaRamp	31-Aug-10		4	12	
			Geometric Mean	9	6	
469.9	Cincinnati Who-Day Dock	03-Aug-10		51	4	
469.9	Cincinnati Who-Day Dock	10-Aug-10		12	8	
469.9	Cincinnati Who-Day Dock	17-Aug-10		28	20	
469.9	Cincinnati Who-Day Dock	24-Aug-10		8	4	
469.9	Cincinnati Who-Day Dock	31-Aug-10		8	4	
			Geometric Mean	16	6	
470	Cincinnati	03-Aug-10		46	24	
470	Cincinnati	10-Aug-10		16	12	
470	Cincinnati	17-Aug-10		68	36	
470	Cincinnati	24-Aug-10		12	8	
470	Cincinnati	31-Aug-10		4	4	
			Geometric Mean	19	13	
477.5	Cincinnati	03-Aug-10		116	63	
477.5	Cincinnati	10-Aug-10		12	8	
477.5	Cincinnati	17-Aug-10		160	60	
477.5	Cincinnati	24-Aug-10		88	40	
477.5	Cincinnati	31-Aug-10		40	16	
			Geometric Mean	60	29	
462.6	Cincinnati	07-Sep-10		4	4	
462.6	Cincinnati	14-Sep-10		4	4	
462.6	Cincinnati	21-Sep-10		4	4	
462.6	Cincinnati	23-Sep-10		43	12	
462.6	Cincinnati	28-Sep-10		44	28	
			Geometric Mean	10	7	
463.9	Cincinnati AquaRamp	07-Sep-10		4	4	
463.9	Cincinnati AquaRamp	14-Sep-10		4	4	
463.9	Cincinnati AquaRamp	21-Sep-10		4	4	
463.9	Cincinnati AquaRamp	23-Sep-10		4	4	
463.9	Cincinnati AquaRamp	28-Sep-10		16	4	
			Geometric Mean	5	4	
469.9	Cincinnati Who-Day Dock	07-Sep-10		4	4	
469.9	Cincinnati Who-Day Dock	14-Sep-10		4	4	
469.9	Cincinnati Who-Day Dock	21-Sep-10		16	4	
469.9	Cincinnati Who-Day Dock	23-Sep-10		20	16	
469.9	Cincinnati Who-Day Dock	28-Sep-10		12	20	
			Geometric Mean	9	7	
470	Cincinnati	07-Sep-10		4	4	
470	Cincinnati	14-Sep-10		4	20	
470	Cincinnati	23-Sep-10		4	4	
470	Cincinnati	28-Sep-10		43	32	
477.5	Cincinnati	07-Sep-10		54	8	
477.5	Cincinnati	14-Sep-10		44	16	
477.5	Cincinnati	21-Sep-10		8	4	
477.5	Cincinnati	23-Sep-10		12	12	
477.5	Cincinnati	28-Sep-10		12	16	
			Geometric Mean	19	10	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
462.6	Cincinnati	05-Oct-10		24	8	
462.6	Cincinnati	12-Oct-10		44	32	
462.6	Cincinnati	19-Oct-10		63	51	
462.6	Cincinnati	21-Oct-10		4	4	
462.6	Cincinnati	26-Oct-10		40	40	
			Geometric Mean	25	18	
463.9	Cincinnati AquaRamp	05-Oct-10		4	4	
463.9	Cincinnati AquaRamp	12-Oct-10		4	4	
463.9	Cincinnati AquaRamp	19-Oct-10		4	4	
463.9	Cincinnati AquaRamp	21-Oct-10		16	4	
463.9	Cincinnati AquaRamp	26-Oct-10		4	4	
			Geometric Mean	5	4	
469.9	Cincinnati Who-Day Dock	05-Oct-10		8	16	
469.9	Cincinnati Who-Day Dock	12-Oct-10		4	4	
469.9	Cincinnati Who-Day Dock	19-Oct-10		4	12	
469.9	Cincinnati Who-Day Dock	21-Oct-10		32	4	
469.9	Cincinnati Who-Day Dock	26-Oct-10		4	4	
			Geometric Mean	7	7	
470	Cincinnati	05-Oct-10		20	4	
470	Cincinnati	12-Oct-10		4	4	
470	Cincinnati	19-Oct-10		20	20	
470	Cincinnati	21-Oct-10		24	8	
470	Cincinnati	26-Oct-10		12	4	
			Geometric Mean	14	6	
477.5	Cincinnati	05-Oct-10		8	4	
477.5	Cincinnati	12-Oct-10		20	4	
477.5	Cincinnati	19-Oct-10		4	4	
477.5	Cincinnati	21-Oct-10		20	8	
477.5	Cincinnati	26-Oct-10		20	4	
			Geometric Mean	12	5	
594	Louisville	04-May-10		980	920	**EXCEEDS**
594	Louisville	12-May-10		200	88	
594	Louisville	19-May-10		112	60	
594	Louisville	25-May-10		310	230	
594	Louisville	27-May-10		140	170	
			Geometric Mean	249	180	**EXCEEDS**
619.3	Louisville	04-May-10		490	650	**EXCEEDS**
619.3	Louisville	12-May-10		21	84	
619.3	Louisville	19-May-10		104	104	
619.3	Louisville	25-May-10		480	470	**EXCEEDS**
619.3	Louisville	27-May-10		240	280	**EXCEEDS**
			Geometric Mean	165	237	**EXCEEDS**
594	Louisville	01-Jun-10		88	51	
594	Louisville	08-Jun-10		60	66	
594	Louisville	16-Jun-10		673	764	**EXCEEDS**
594	Louisville	22-Jun-10		184	172	
594	Louisville	29-Jun-10		204	131	
			Geometric Mean	168	142	**EXCEEDS**
619.3	Louisville	01-Jun-10		230	270	**EXCEEDS**
619.3	Louisville	08-Jun-10		960	920	**EXCEEDS**
619.3	Louisville	16-Jun-10		873	764	**EXCEEDS**
619.3	Louisville	22-Jun-10		209	124	
619.3	Louisville	29-Jun-10		1,870	226	**EXCEEDS**
			Geometric Mean	596	351	**EXCEEDS**
594	Louisville	06-Jul-10		1,380	240	**EXCEEDS**
594	Louisville	13-Jul-10		108	20	
594	Louisville	20-Jul-10		9	4	
594	Louisville	22-Jul-10		164	108	
594	Louisville	28-Jul-10		240	160	
			Geometric Mean	139	51	
619.3	Louisville	06-Jul-10		20,000	4,300	**EXCEEDS**
619.3	Louisville	13-Jul-10		2,900	1,300	**EXCEEDS**
619.3	Louisville	20-Jul-10		120	48	
619.3	Louisville	22-Jul-10		214	136	
619.3	Louisville	28-Jul-10		140	66	
			Geometric Mean	731	299	**EXCEEDS**
594	Louisville	03-Aug-10		84	20	
594	Louisville	10-Aug-10		20	12	
594	Louisville	17-Aug-10		168	56	
594	Louisville	24-Aug-10		80	30	
594	Louisville	31-Aug-10		4	4	
			Geometric Mean	39	17	
619.3	Louisville	03-Aug-10		100	69	
619.3	Louisville	10-Aug-10		52	20	
619.3	Louisville	17-Aug-10		92	77	
619.3	Louisville	24-Aug-10		660	250	**EXCEEDS**
619.3	Louisville	31-Aug-10		1,000	1,100	**EXCEEDS**
			Geometric Mean	199	124	
594	Louisville	09-Sep-10		8	8	
594	Louisville	14-Sep-10		4	4	
594	Louisville	21-Sep-10		4	4	
594	Louisville	23-Sep-10		340	360	**EXCEEDS**
619.3	Louisville	09-Sep-10		1,200	990	**EXCEEDS**
619.3	Louisville	14-Sep-10		28	24	
619.3	Louisville	21-Sep-10		8	16	
619.3	Louisville	23-Sep-10		300	88	
594	Louisville	12-Oct-10		4	4	
594	Louisville	14-Oct-10		4	4	
594	Louisville	18-Oct-10		4	4	
594	Louisville	20-Oct-10		4	4	
594	Louisville	28-Oct-10		16	4	
			Geometric Mean	5	4	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2010

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
619.3	Louisville	12-Oct-10		230	170	
619.3	Louisville	14-Oct-10		4	28	
619.3	Louisville	18-Oct-10		97	74	
619.3	Louisville	20-Oct-10		20	37	
619.3	Louisville	28-Oct-10		150	68	
			Geometric Mean	48	62	
791.5	Evansville	04-May-10		460	200	**EXCEEDS**
791.5	Evansville	11-May-10		104	63	
791.5	Evansville	18-May-10		124	96	
791.5	Evansville	20-May-10		100	104	
791.5	Evansville	25-May-10		71	132	
			Geometric Mean	133	111	
793.7	Evansville	04-May-10		700	220	**EXCEEDS**
793.7	Evansville	11-May-10		104	57	
793.7	Evansville	18-May-10		128	80	
793.7	Evansville	20-May-10		96	100	
793.7	Evansville	25-May-10		71	92	
			Geometric Mean	145	98	
791.5	Evansville	01-Jun-10		43	34	
791.5	Evansville	08-Jun-10		34	48	
791.5	Evansville	15-Jun-10		116	88	
791.5	Evansville	22-Jun-10		44	56	
791.5	Evansville	29-Jun-10		80	51	
			Geometric Mean	57	53	
793.7	Evansville	01-Jun-10		97	86	
793.7	Evansville	08-Jun-10		46	36	
793.7	Evansville	15-Jun-10		140	71	
793.7	Evansville	22-Jun-10		169	180	
793.7	Evansville	29-Jun-10		1,000	1,100	**EXCEEDS**
			Geometric Mean	160	134	**EXCEEDS**
791.5	Evansville	06-Jul-10		100	4	
791.5	Evansville	13-Jul-10		52	48	
791.5	Evansville	20-Jul-10		120	130	
791.5	Evansville	22-Jul-10		89	66	
791.5	Evansville	27-Jul-10		24	40	
			Geometric Mean	67	37	
793.7	Evansville	06-Jul-10		11	6	
793.7	Evansville	13-Jul-10		4,200	4,700	**EXCEEDS**
793.7	Evansville	20-Jul-10		3,400	4,200	**EXCEEDS**
793.7	Evansville	22-Jul-10		220	220	
793.7	Evansville	27-Jul-10		108	144	
			Geometric Mean	327	327	**EXCEEDS**
791.5	Evansville	03-Aug-10		4	4	
791.5	Evansville	10-Aug-10		16	8	
791.5	Evansville	17-Aug-10		63	63	
791.5	Evansville	24-Aug-10		32	37	
791.5	Evansville	31-Aug-10		11	4	
			Geometric Mean	17	12	
793.7	Evansville	03-Aug-10		48	36	
793.7	Evansville	10-Aug-10		140	108	
793.7	Evansville	17-Aug-10		148	74	
793.7	Evansville	24-Aug-10		250	142	
793.7	Evansville	31-Aug-10		6	20	
			Geometric Mean	68	61	
791.5	Evansville	07-Sep-10		51	57	
791.5	Evansville	14-Sep-10		20	20	
791.5	Evansville	21-Sep-10		4	4	
791.5	Evansville	23-Sep-10		124	128	
791.5	Evansville	28-Sep-10		16	20	
			Geometric Mean	24	26	
793.7	Evansville	07-Sep-10		300	400	**EXCEEDS**
793.7	Evansville	14-Sep-10		60	120	
793.7	Evansville	21-Sep-10		36	19	
793.7	Evansville	23-Sep-10		12	36	
793.7	Evansville	28-Sep-10		24	16	
			Geometric Mean	45	55	
791.5	Evansville	05-Oct-10		20	4	
791.5	Evansville	12-Oct-10		4	19	
791.5	Evansville	19-Oct-10		4	4	
791.5	Evansville	21-Oct-10		12	10	
791.5	Evansville	26-Oct-10		9	20	
			Geometric Mean	8	9	
793.7	Evansville	05-Oct-10		20	8	
793.7	Evansville	12-Oct-10		44	44	
793.7	Evansville	19-Oct-10		249	291	**EXCEEDS**
793.7	Evansville	21-Oct-10		12	20	
793.7	Evansville	26-Oct-10		9	20	
			Geometric Mean	30	33	

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

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
1.4M	Pittsburgh	10-May-11		236	136	
1.4M	Pittsburgh	24-May-11		1,200	700	**EXCEEDS**
4.3	Pittsburgh	10-May-11		171	100	
4.3	Pittsburgh	24-May-11		1,000	900	**EXCEEDS**
1.4M	Pittsburgh	07-Jun-11		247	100	
1.4M	Pittsburgh	14-Jun-11		430	80	**EXCEEDS**
1.4M	Pittsburgh	21-Jun-11		2,300	700	**EXCEEDS**
1.4M	Pittsburgh	23-Jun-11		800	400	**EXCEEDS**
1.4M	Pittsburgh	28-Jun-11		230	88	
			Geometric Mean	538	182	**EXCEEDS**
4.3	Pittsburgh	07-Jun-11		200	170	
4.3	Pittsburgh	14-Jun-11		540	170	**EXCEEDS**
4.3	Pittsburgh	21-Jun-11		2,100	800	**EXCEEDS**
4.3	Pittsburgh	23-Jun-11		1,400	800	**EXCEEDS**
4.3	Pittsburgh	28-Jun-11		360	120	
			Geometric Mean	648	295	**EXCEEDS**
1.4M	Pittsburgh	05-Jul-11		7,100	3,100	**EXCEEDS**
1.4M	Pittsburgh	12-Jul-11		8,700	2,500	**EXCEEDS**
1.4M	Pittsburgh	19-Jul-11		9,600	2,100	**EXCEEDS**
1.4M	Pittsburgh	21-Jul-11		800	320	**EXCEEDS**
1.4M	Pittsburgh	26-Jul-11		5,500	2,400	**EXCEEDS**
			Geometric Mean	4823	1657	**EXCEEDS**
4.3	Pittsburgh	05-Jul-11		12,000	4,200	**EXCEEDS**
4.3	Pittsburgh	12-Jul-11		8,400	4,300	**EXCEEDS**
4.3	Pittsburgh	19-Jul-11		4,900	1,900	**EXCEEDS**
4.3	Pittsburgh	21-Jul-11		1,600	500	**EXCEEDS**
4.3	Pittsburgh	26-Jul-11		2,600	2,100	**EXCEEDS**
			Geometric Mean	4598	2048	**EXCEEDS**
1.4M	Pittsburgh	02-Aug-11		540	80	**EXCEEDS**
1.4M	Pittsburgh	09-Aug-11		9,300	2,800	**EXCEEDS**
1.4M	Pittsburgh	16-Aug-11		1,500	1,000	**EXCEEDS**
1.4M	Pittsburgh	23-Aug-11		3,400	700	**EXCEEDS**
1.4M	Pittsburgh	30-Aug-11		330	60	
			Geometric Mean	1532	393	**EXCEEDS**
4.3	Pittsburgh	02-Aug-11		210	40	
4.3	Pittsburgh	09-Aug-11		7,000	2,100	**EXCEEDS**
4.3	Pittsburgh	16-Aug-11		2,000	1,100	**EXCEEDS**
4.3	Pittsburgh	23-Aug-11		1,500	1,000	**EXCEEDS**
4.3	Pittsburgh	30-Aug-11		370	110	
			Geometric Mean	1103	399	**EXCEEDS**
1.4M	Pittsburgh	06-Sep-11		20,000	20,000	**EXCEEDS**
1.4M	Pittsburgh	13-Sep-11		1,900	400	**EXCEEDS**
1.4M	Pittsburgh	20-Sep-11		3,400	2,500	**EXCEEDS**
1.4M	Pittsburgh	22-Sep-11		855	155	**EXCEEDS**
1.4M	Pittsburgh	27-Sep-11		5,600	1,400	**EXCEEDS**
			Geometric Mean	3616	1341	**EXCEEDS**
4.3	Pittsburgh	06-Sep-11		20,000	20,000	**EXCEEDS**
4.3	Pittsburgh	13-Sep-11		1,800	300	**EXCEEDS**
4.3	Pittsburgh	20-Sep-11		5,900	3,500	**EXCEEDS**
4.3	Pittsburgh	22-Sep-11		873	118	**EXCEEDS**
4.3	Pittsburgh	27-Sep-11		2,500	1,200	**EXCEEDS**
			Geometric Mean	3414	1244	**EXCEEDS**
1.4M	Pittsburgh	04-Oct-11		3,300	1,600	**EXCEEDS**
1.4M	Pittsburgh	11-Oct-11		272	160	
1.4M	Pittsburgh	18-Oct-11		480	230	**EXCEEDS**
1.4M	Pittsburgh	20-Oct-11		3,600	2,000	**EXCEEDS**
1.4M	Pittsburgh	25-Oct-11		250	80	
			Geometric Mean	827	393	**EXCEEDS**
4.3	Pittsburgh	04-Oct-11		2,000	1,600	**EXCEEDS**
4.3	Pittsburgh	11-Oct-11		350	120	
4.3	Pittsburgh	18-Oct-11		600	300	**EXCEEDS**
4.3	Pittsburgh	20-Oct-11		6,300	3,300	**EXCEEDS**
4.3	Pittsburgh	25-Oct-11		430	140	**EXCEEDS**
			Geometric Mean	1026	484	**EXCEEDS**
86.8	Wheeling	03-May-11		84	12	
86.8	Wheeling	10-May-11		100	68	
86.8	Wheeling	17-May-11		1,600	1,400	**EXCEEDS**
86.8	Wheeling	24-May-11		800	280	**EXCEEDS**
86.8	Wheeling	31-May-11		850	104	**EXCEEDS**
			Geometric Mean	391	127	**EXCEEDS**
92.8	Wheeling	03-May-11		176	52	
92.8	Wheeling	10-May-11		208	84	
92.8	Wheeling	17-May-11		2,700	1,200	**EXCEEDS**
92.8	Wheeling	24-May-11		650	420	**EXCEEDS**
92.8	Wheeling	31-May-11		250	204	
			Geometric Mean	438	214	**EXCEEDS**
86.8	Wheeling	07-Jun-11		84	64	
86.8	Wheeling	14-Jun-11		12	8	
86.8	Wheeling	21-Jun-11		4,400	2,100	**EXCEEDS**
86.8	Wheeling	23-Jun-11		96	108	
86.8	Wheeling	28-Jun-11		152	20	
			Geometric Mean	145	75	
92.8	Wheeling	07-Jun-11		270	108	
92.8	Wheeling	14-Jun-11		873	390	**EXCEEDS**
92.8	Wheeling	21-Jun-11		3,000	1,600	**EXCEEDS**
92.8	Wheeling	23-Jun-11		1,600	2,400	**EXCEEDS**
92.8	Wheeling	28-Jun-11		17,000	7,300	**EXCEEDS**
			Geometric Mean	1806	1034	**EXCEEDS**
86.8	Wheeling	05-Jul-11		20	4	
86.8	Wheeling	12-Jul-11		4	8	
86.8	Wheeling	19-Jul-11		340	232	
86.8	Wheeling	21-Jul-11		52	12	
86.8	Wheeling	26-Jul-11		44	4	
			Geometric Mean	36	13	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
92.8	Wheeling	05-Jul-11		52	16	
92.8	Wheeling	12-Jul-11		1,300	480	**EXCEEDS**
92.8	Wheeling	19-Jul-11		20,000	20,000	**EXCEEDS**
92.8	Wheeling	21-Jul-11		200	60	
92.8	Wheeling	26-Jul-11		1,300	470	**EXCEEDS**
			Geometric Mean	811	337	**EXCEEDS**
86.8	Wheeling	02-Aug-11		1,060	700	**EXCEEDS**
86.8	Wheeling	09-Aug-11		12,200	2,900	**EXCEEDS**
86.8	Wheeling	16-Aug-11		230	36	
86.8	Wheeling	23-Aug-11		214	48	
86.8	Wheeling	30-Aug-11		76	8	
			Geometric Mean	546	123	**EXCEEDS**
92.8	Wheeling	02-Aug-11		8	44	
92.8	Wheeling	09-Aug-11		20,000	20,000	**EXCEEDS**
92.8	Wheeling	16-Aug-11		6,100	600	**EXCEEDS**
92.8	Wheeling	23-Aug-11		980	170	**EXCEEDS**
92.8	Wheeling	30-Aug-11		152	44	
			Geometric Mean	680	331	**EXCEEDS**
86.8	Wheeling	06-Sep-11		3,500	6,600	**EXCEEDS**
86.8	Wheeling	13-Sep-11		300	116	
86.8	Wheeling	20-Sep-11		590	40	**EXCEEDS**
86.8	Wheeling	22-Sep-11		108	52	
86.8	Wheeling	27-Sep-11		6,900	2,200	**EXCEEDS**
			Geometric Mean	857	323	**EXCEEDS**
92.8	Wheeling	06-Sep-11		224	310	**EXCEEDS**
92.8	Wheeling	13-Sep-11		3,500	670	**EXCEEDS**
92.8	Wheeling	20-Sep-11		8,100	8,000	**EXCEEDS**
92.8	Wheeling	22-Sep-11		5,900	270	**EXCEEDS**
92.8	Wheeling	27-Sep-11		7,600	6,400	**EXCEEDS**
			Geometric Mean	3097	1235	**EXCEEDS**
86.8	Wheeling	04-Oct-11		1,400	228	**EXCEEDS**
86.8	Wheeling	11-Oct-11		96	40	
86.8	Wheeling	18-Oct-11		290	240	
86.8	Wheeling	20-Oct-11		160	144	
86.8	Wheeling	25-Oct-11		96	16	
			Geometric Mean	227	87	**EXCEEDS**
92.8	Wheeling	04-Oct-11		1,500	230	**EXCEEDS**
92.8	Wheeling	11-Oct-11		300	36	
92.8	Wheeling	18-Oct-11		700	650	**EXCEEDS**
92.8	Wheeling	20-Oct-11		400	260	**EXCEEDS**
92.8	Wheeling	25-Oct-11		330	56	
			Geometric Mean	529	151	**EXCEEDS**
305.1	Huntington	03-May-11		88	32	
305.1	Huntington	10-May-11		32	12	
305.1	Huntington	17-May-11		96	51	
305.1	Huntington	24-May-11		349	226	
305.1	Huntington	31-May-11		24	12	
			Geometric Mean	74	35	
314.8	Huntington	03-May-11		440	274	**EXCEEDS**
314.8	Huntington	10-May-11		280	132	
314.8	Huntington	17-May-11		350	148	
314.8	Huntington	24-May-11		3,400	1,336	**EXCEEDS**
314.8	Huntington	31-May-11		124	80	
			Geometric Mean	449	225	**EXCEEDS**
305.1	Huntington	07-Jun-11		12	12	
305.1	Huntington	14-Jun-11		8	4	
305.1	Huntington	22-Jun-11		451	186	**EXCEEDS**
305.1	Huntington	23-Jun-11		177	69	
305.1	Huntington	28-Jun-11		12	8	
			Geometric Mean	39	22	
314.8	Huntington	07-Jun-11		124	40	
314.8	Huntington	14-Jun-11		24	16	
314.8	Huntington	22-Jun-11		1,527	1,045	**EXCEEDS**
314.8	Huntington	23-Jun-11		180	103	
314.8	Huntington	28-Jun-11		74	28	
			Geometric Mean	143	72	
305.1	Huntington	05-Jul-11		12	4	
305.1	Huntington	12-Jul-11		89	60	
305.1	Huntington	19-Jul-11		36	12	
305.1	Huntington	21-Jul-11		77	40	
305.1	Huntington	26-Jul-11		32	16	
			Geometric Mean	39	18	
314.8	Huntington	05-Jul-11		20	8	
314.8	Huntington	12-Jul-11		1,800	755	**EXCEEDS**
314.8	Huntington	19-Jul-11		32	12	
314.8	Huntington	21-Jul-11		755	450	**EXCEEDS**
314.8	Huntington	26-Jul-11		103	24	
			Geometric Mean	155	60	
305.1	Huntington	02-Aug-11		4	4	
305.1	Huntington	09-Aug-11		12	8	
305.1	Huntington	16-Aug-11		12	4	
305.1	Huntington	23-Aug-11		4	4	
305.1	Huntington	30-Aug-11		4	4	
			Geometric Mean	6	5	
314.8	Huntington	02-Aug-11		28	20	
314.8	Huntington	09-Aug-11		16	16	
314.8	Huntington	16-Aug-11		24	20	
314.8	Huntington	23-Aug-11		88	66	
314.8	Huntington	30-Aug-11		20	4	
			Geometric Mean	29	18	
305.1	Huntington	06-Sep-11		84	40	
305.1	Huntington	13-Sep-11		12	4	
305.1	Huntington	20-Sep-11		410	216	**EXCEEDS**
305.1	Huntington	22-Sep-11		28	4	
305.1	Huntington	27-Sep-11		92	20	
			Geometric Mean	64	19	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
314.8	Huntington	06-Sep-11		350	223	
314.8	Huntington	13-Sep-11		86	57	
314.8	Huntington	20-Sep-11		40	12	
314.8	Huntington	22-Sep-11		52	16	
314.8	Huntington	27-Sep-11		920	194	**EXCEEDS**
			Geometric Mean	142	54	
305.1	Huntington	04-Oct-11		24	16	
305.1	Huntington	11-Oct-11		8	4	
305.1	Huntington	18-Oct-11		74	40	
305.1	Huntington	20-Oct-11		350	226	
305.1	Huntington	25-Oct-11		88	48	
			Geometric Mean	53	31	
314.8	Huntington	04-Oct-11		49	37	
314.8	Huntington	11-Oct-11		52	28	
314.8	Huntington	18-Oct-11		132	77	
314.8	Huntington	20-Oct-11		600	530	**EXCEEDS**
314.8	Huntington	25-Oct-11		124	54	
			Geometric Mean	120	74	
462.6	Cincinnati	03-May-11		1,300	754	**EXCEEDS**
462.6	Cincinnati	10-May-11			28	
462.6	Cincinnati	17-May-11			156	
462.6	Cincinnati	24-May-11		682	60	**EXCEEDS**
462.6	Cincinnati	31-May-11		92	88	
			Geometric Mean		112	
463.9	Cincinnati AquaRamp	03-May-11		1,900	754	**EXCEEDS**
463.9	Cincinnati AquaRamp	10-May-11			136	
463.9	Cincinnati AquaRamp	17-May-11			191	
463.9	Cincinnati AquaRamp	24-May-11		190	140	
463.9	Cincinnati AquaRamp	31-May-11		80	60	
			Geometric Mean		175	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	03-May-11		5,800	4,900	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	10-May-11			134	
469.9	Cincinnati Who-Day Dock	17-May-11			140	
469.9	Cincinnati Who-Day Dock	24-May-11		1,400	827	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	31-May-11		80	74	
			Geometric Mean		355	**EXCEEDS**
470	Cincinnati	03-May-11		6,300	4,300	**EXCEEDS**
470	Cincinnati	10-May-11			320	**EXCEEDS**
470	Cincinnati	17-May-11			160	
470	Cincinnati	24-May-11		2,800	580	**EXCEEDS**
470	Cincinnati	31-May-11		130	63	
			Geometric Mean		381	**EXCEEDS**
477.5	Cincinnati	03-May-11		2,700	2,000	**EXCEEDS**
477.5	Cincinnati	10-May-11			148	
477.5	Cincinnati	17-May-11			110	
477.5	Cincinnati	24-May-11		2,400	445	**EXCEEDS**
477.5	Cincinnati	31-May-11		140	68	
			Geometric Mean		250	**EXCEEDS**
462.6	Cincinnati	07-Jun-11		28	24	
462.6	Cincinnati	14-Jun-11		63	49	
462.6	Cincinnati	21-Jun-11		3,000	764	**EXCEEDS**
462.6	Cincinnati	23-Jun-11		7,400	1,800	**EXCEEDS**
462.6	Cincinnati	28-Jun-11		300	260	**EXCEEDS**
			Geometric Mean	411	211	**EXCEEDS**
463.9	Cincinnati AquaRamp	07-Jun-11		16	4	
463.9	Cincinnati AquaRamp	14-Jun-11		8	12	
463.9	Cincinnati AquaRamp	21-Jun-11		945	480	**EXCEEDS**
463.9	Cincinnati AquaRamp	23-Jun-11		673	260	**EXCEEDS**
463.9	Cincinnati AquaRamp	28-Jun-11		168	211	
			Geometric Mean	106	66	
469.9	Cincinnati Who-Day Dock	07-Jun-11		8	8	
469.9	Cincinnati Who-Day Dock	14-Jun-11		44	12	
469.9	Cincinnati Who-Day Dock	21-Jun-11		1,700	936	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	23-Jun-11		2,900	1,500	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	28-Jun-11		290	440	**EXCEEDS**
			Geometric Mean	219	143	**EXCEEDS**
470	Cincinnati	07-Jun-11		16	28	
470	Cincinnati	14-Jun-11		100	74	
470	Cincinnati	21-Jun-11		1,500	430	**EXCEEDS**
470	Cincinnati	23-Jun-11		954	920	**EXCEEDS**
470	Cincinnati	28-Jun-11		240	370	**EXCEEDS**
			Geometric Mean	223	198	**EXCEEDS**
477.5	Cincinnati	07-Jun-11		12	20	
477.5	Cincinnati	14-Jun-11		74	84	
477.5	Cincinnati	21-Jun-11		9,600	3,600	**EXCEEDS**
477.5	Cincinnati	23-Jun-11		4,300	2,000	**EXCEEDS**
477.5	Cincinnati	28-Jun-11		450	510	**EXCEEDS**
			Geometric Mean	440	361	**EXCEEDS**
462.6	Cincinnati	05-Jul-11		48	76	
462.6	Cincinnati	12-Jul-11		96	68	
462.6	Cincinnati	19-Jul-11		48	20	
462.6	Cincinnati	21-Jul-11		320	168	
462.6	Cincinnati	26-Jul-11		56	36	
			Geometric Mean	83	57	
463.9	Cincinnati AquaRamp	05-Jul-11		16	12	
463.9	Cincinnati AquaRamp	12-Jul-11		52	68	
463.9	Cincinnati AquaRamp	19-Jul-11		16	8	
463.9	Cincinnati AquaRamp	21-Jul-11		380	208	
463.9	Cincinnati AquaRamp	26-Jul-11		40	24	
			Geometric Mean	46	32	
469.9	Cincinnati Who-Day Dock	05-Jul-11		206	88	
469.9	Cincinnati Who-Day Dock	12-Jul-11		136	100	
469.9	Cincinnati Who-Day Dock	19-Jul-11		530	330	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	21-Jul-11		260	211	
469.9	Cincinnati Who-Day Dock	26-Jul-11		370	156	
			Geometric Mean	270	157	**EXCEEDS**

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
470	Cincinnati	05-Jul-11		232	100	
470	Cincinnati	12-Jul-11		63	36	
470	Cincinnati	19-Jul-11		80	120	
470	Cincinnati	21-Jul-11		230	174	
470	Cincinnati	26-Jul-11		72	48	
			Geometric Mean	114	82	
477.5	Cincinnati	05-Jul-11		144	100	
477.5	Cincinnati	12-Jul-11		104	71	
477.5	Cincinnati	19-Jul-11		80	120	
477.5	Cincinnati	21-Jul-11		300	260	**EXCEEDS**
477.5	Cincinnati	26-Jul-11		270	150	
			Geometric Mean	158	127	
462.6	Cincinnati	02-Aug-11		8	8	
462.6	Cincinnati	09-Aug-11		270	130	
462.6	Cincinnati	16-Aug-11		34	8	
462.6	Cincinnati	23-Aug-11		28	28	
462.6	Cincinnati	30-Aug-11		12	4	
			Geometric Mean	30	16	
463.9	Cincinnati AquaRamp	02-Aug-11		4	4	
463.9	Cincinnati AquaRamp	09-Aug-11		8	12	
463.9	Cincinnati AquaRamp	16-Aug-11		4	4	
463.9	Cincinnati AquaRamp	23-Aug-11		8	4	
463.9	Cincinnati AquaRamp	30-Aug-11		4	4	
			Geometric Mean	5	5	
469.9	Cincinnati Who-Day Dock	02-Aug-11		4	8	
469.9	Cincinnati Who-Day Dock	09-Aug-11		2,100	118	**EXCEEDS**
469.9	Cincinnati Who-Day Dock	16-Aug-11		32	24	
469.9	Cincinnati Who-Day Dock	23-Aug-11		60	12	
469.9	Cincinnati Who-Day Dock	30-Aug-11		4	4	
			Geometric Mean	36	16	
470	Cincinnati	02-Aug-11		16	4	
470	Cincinnati	09-Aug-11		1,400	800	**EXCEEDS**
470	Cincinnati	16-Aug-11		12	12	
470	Cincinnati	23-Aug-11		60	92	
470	Cincinnati	30-Aug-11		12	20	
			Geometric Mean	45	37	
477.5	Cincinnati	02-Aug-11		4	8	
477.5	Cincinnati	09-Aug-11		5,500	3,000	**EXCEEDS**
477.5	Cincinnati	16-Aug-11		34	12	
477.5	Cincinnati	23-Aug-11		152	88	
477.5	Cincinnati	30-Aug-11		108	60	
			Geometric Mean	104	69	
462.6	Cincinnati	06-Sep-11		60	66	
462.6	Cincinnati	13-Sep-11		24	24	
462.6	Cincinnati	20-Sep-11		76	132	
462.6	Cincinnati	22-Sep-11		94	116	
462.6	Cincinnati	27-Sep-11		180	116	
			Geometric Mean	71	78	
463.9	Cincinnati AquaRamp	06-Sep-11		4	4	
463.9	Cincinnati AquaRamp	13-Sep-11		24	20	
463.9	Cincinnati AquaRamp	20-Sep-11		4	4	
463.9	Cincinnati AquaRamp	22-Sep-11		4	4	
463.9	Cincinnati AquaRamp	27-Sep-11		46	28	
			Geometric Mean	9	8	
469.9	Cincinnati Who-Day Dock	06-Sep-11		31	12	
469.9	Cincinnati Who-Day Dock	13-Sep-11		28	12	
469.9	Cincinnati Who-Day Dock	20-Sep-11		36	12	
469.9	Cincinnati Who-Day Dock	22-Sep-11		56	64	
469.9	Cincinnati Who-Day Dock	27-Sep-11		2,200	845	
			Geometric Mean	83	39	
470	Cincinnati	06-Sep-11		124	148	
470	Cincinnati	13-Sep-11		28	12	
470	Cincinnati	20-Sep-11		88	80	
470	Cincinnati	22-Sep-11		144	200	
470	Cincinnati	27-Sep-11		727	745	
			Geometric Mean	126	116	
477.5	Cincinnati	06-Sep-11		234	83	
477.5	Cincinnati	13-Sep-11		24	12	
477.5	Cincinnati	20-Sep-11		1,500	909	**EXCEEDS**
477.5	Cincinnati	22-Sep-11		420	217	**EXCEEDS**
477.5	Cincinnati	27-Sep-11		6,000	3,200	**EXCEEDS**
			Geometric Mean	463	229	**EXCEEDS**
462.6	Cincinnati	04-Oct-11		40	12	
462.6	Cincinnati	11-Oct-11		51	60	
462.6	Cincinnati	18-Oct-11		46	36	
462.6	Cincinnati	20-Oct-11		230	211	
462.6	Cincinnati	25-Oct-11		44	38	
			Geometric Mean	62	46	
463.9	Cincinnati AquaRamp	04-Oct-11		4	4	
463.9	Cincinnati AquaRamp	11-Oct-11		4	4	
463.9	Cincinnati AquaRamp	18-Oct-11		88	43	
463.9	Cincinnati AquaRamp	20-Oct-11		108	116	
463.9	Cincinnati AquaRamp	25-Oct-11		92	49	
			Geometric Mean	27	21	
469.9	Cincinnati Who-Day Dock	04-Oct-11		4	4	
469.9	Cincinnati Who-Day Dock	11-Oct-11		16	4	
469.9	Cincinnati Who-Day Dock	18-Oct-11		32	43	
469.9	Cincinnati Who-Day Dock	20-Oct-11		132	128	
469.9	Cincinnati Who-Day Dock	25-Oct-11		24	88	
			Geometric Mean	23	24	
470	Cincinnati	04-Oct-11		20	8	
470	Cincinnati	11-Oct-11		4	4	
470	Cincinnati	18-Oct-11		37	24	
470	Cincinnati	20-Oct-11		530	570	**EXCEEDS**
470	Cincinnati	25-Oct-11		68	39	
			Geometric Mean	40	28	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
477.5	Cincinnati	04-Oct-11		16	40	
477.5	Cincinnati	11-Oct-11		4	4	
477.5	Cincinnati	18-Oct-11		37	44	
477.5	Cincinnati	20-Oct-11		1,040	673	**EXCEEDS**
477.5	Cincinnati	25-Oct-11		48	34	
			Geometric Mean	41	44	
594	Louisville	10-May-11		220	170	
594	Louisville	17-May-11		140	96	
594	Louisville	19-May-11		140	80	
594	Louisville	24-May-11		120	84	
594	Louisville	31-May-11		410	420	**EXCEEDS**
			Geometric Mean	184	136	**EXCEEDS**
619.3	Louisville	10-May-11		440	230	**EXCEEDS**
619.3	Louisville	17-May-11		210	130	
619.3	Louisville	19-May-11		160	160	
619.3	Louisville	24-May-11		211	112	
619.3	Louisville	31-May-11		270	340	**EXCEEDS**
			Geometric Mean	243	179	**EXCEEDS**
594	Louisville	07-Jun-11		12	10	
594	Louisville	14-Jun-11		32	20	
594	Louisville	21-Jun-11		92	84	
594	Louisville	23-Jun-11		440	160	**EXCEEDS**
594	Louisville	28-Jun-11		68	64	
			Geometric Mean	64	44	
619.3	Louisville	07-Jun-11		120	70	
619.3	Louisville	14-Jun-11		28	20	
619.3	Louisville	21-Jun-11		390	60	
619.3	Louisville	23-Jun-11		450	150	**EXCEEDS**
619.3	Louisville	28-Jun-11		310	140	
			Geometric Mean	179	71	
594	Louisville	05-Jul-11		28	32	
594	Louisville	12-Jul-11		24	16	
594	Louisville	20-Jul-11		84	36	
594	Louisville	26-Jul-11		120	150	
594	Louisville	28-Jul-11		880	20	**EXCEEDS**
			Geometric Mean	90	35	
619.3	Louisville	05-Jul-11		44	36	
619.3	Louisville	12-Jul-11		210	36	
619.3	Louisville	20-Jul-11		120	150	
619.3	Louisville	26-Jul-11		120	230	
619.3	Louisville	28-Jul-11		60	57	
			Geometric Mean	96	76	
594	Louisville	03-Aug-11		24	16	
594	Louisville	09-Aug-11		76	28	
594	Louisville	11-Aug-11		48	16	
594	Louisville	23-Aug-11		20	17	
594	Louisville	30-Aug-11		180	20	
			Geometric Mean	50	19	
619.3	Louisville	03-Aug-11		66	43	
619.3	Louisville	09-Aug-11		4	4	
619.3	Louisville	11-Aug-11		60	28	
619.3	Louisville	23-Aug-11		140	120	
619.3	Louisville	30-Aug-11		20	20	
			Geometric Mean	34	26	
594	Louisville	13-Sep-11		28	8	
594	Louisville	15-Sep-11		68	36	
594	Louisville	20-Sep-11		28	28	
594	Louisville	22-Sep-11		36	16	
594	Louisville	27-Sep-11		180	120	
			Geometric Mean	51	27	
619.3	Louisville	13-Sep-11		470	250	**EXCEEDS**
619.3	Louisville	15-Sep-11		180	56	
619.3	Louisville	20-Sep-11		230	180	
619.3	Louisville	22-Sep-11		540	380	
619.3	Louisville	27-Sep-11		3,100	1,200	**EXCEEDS**
			Geometric Mean	504	258	**EXCEEDS**
594	Louisville	04-Oct-11		32	4	
594	Louisville	12-Oct-11		4	4	
594	Louisville	18-Oct-11		4	4	
594	Louisville	25-Oct-11		46	36	
594	Louisville	27-Oct-11		80	44	
			Geometric Mean	18	10	
619.3	Louisville	04-Oct-11		88	37	
619.3	Louisville	12-Oct-11		24	16	
619.3	Louisville	18-Oct-11		80	12	
619.3	Louisville	25-Oct-11		92	100	
619.3	Louisville	27-Oct-11		4,100	3,200	
			Geometric Mean	145	74	
791.5	Evansville	03-May-11		530	430	**EXCEEDS**
791.5	Evansville	10-May-11		120	100	
791.5	Evansville	17-May-11		57	46	
791.5	Evansville	24-May-11		80	54	
791.5	Evansville	31-May-11		140	20	
			Geometric Mean	132	73	
793.7	Evansville	03-May-11		710	650	**EXCEEDS**
793.7	Evansville	10-May-11		176	148	
793.7	Evansville	17-May-11		63	80	
793.7	Evansville	24-May-11		231	234	
793.7	Evansville	31-May-11		104	71	
			Geometric Mean	180	166	**EXCEEDS**
791.5	Evansville	07-Jun-11		26	17	
791.5	Evansville	14-Jun-11		28	60	
791.5	Evansville	21-Jun-11		100	156	
791.5	Evansville	23-Jun-11		60	160	
791.5	Evansville	28-Jun-11		144	203	
			Geometric Mean	58	88	

EXCEEDS- Value exceeds Commission criteria

Ohio River Bacteria Sampling 2011

MILEPOINT	STATION	DATE		FECAL COLIFORM #/100mL	E. COLI. #/100mL	
793.7	Evansville	07-Jun-11		104	63	
793.7	Evansville	14-Jun-11		130	170	
793.7	Evansville	21-Jun-11		208	228	
793.7	Evansville	23-Jun-11		410	370	**EXCEEDS**
793.7	Evansville	28-Jun-11		1,045	945	**EXCEEDS**
			Geometric Mean	261	243	**EXCEEDS**
791.5	Evansville	05-Jul-11		71	51	
791.5	Evansville	12-Jul-11		40	4	
791.5	Evansville	19-Jul-11		48	36	
791.5	Evansville	21-Jul-11		8	24	
791.5	Evansville	26-Jul-11		20	4	
			Geometric Mean	29	15	
793.7	Evansville	05-Jul-11		112	108	
793.7	Evansville	12-Jul-11		300	104	
793.7	Evansville	19-Jul-11		650	450	**EXCEEDS**
793.7	Evansville	21-Jul-11		128	88	
793.7	Evansville	26-Jul-11		166	108	
			Geometric Mean	215	137	**EXCEEDS**
791.5	Evansville	02-Aug-11		11	6	
791.5	Evansville	09-Aug-11		4	4	
791.5	Evansville	16-Aug-11		4	4	
791.5	Evansville	23-Aug-11		20	6	
791.5	Evansville	30-Aug-11		17	8	
			Geometric Mean	9	5	
793.7	Evansville	02-Aug-11		104	108	
793.7	Evansville	09-Aug-11		124	156	
793.7	Evansville	16-Aug-11		57	63	
793.7	Evansville	23-Aug-11		120	96	
793.7	Evansville	30-Aug-11		280	240	
			Geometric Mean	120	120	
791.5	Evansville	09-Sep-11		20	9	
791.5	Evansville	13-Sep-11		96	20	
791.5	Evansville	20-Sep-11		124	84	
791.5	Evansville	22-Sep-11		120	69	
791.5	Evansville	27-Sep-11		450	390	
			Geometric Mean	105	53	
793.7	Evansville	09-Sep-11		360	310	**EXCEEDS**
793.7	Evansville	13-Sep-11		80	80	
793.7	Evansville	20-Sep-11		280	194	
793.7	Evansville	22-Sep-11		203	189	
793.7	Evansville	27-Sep-11		440	280	
			Geometric Mean	235	191	**EXCEEDS**
791.5	Evansville	04-Oct-11		20	13	
791.5	Evansville	11-Oct-11		52	16	
791.5	Evansville	18-Oct-11		150	51	
791.5	Evansville	20-Oct-11		60	36	
791.5	Evansville	25-Oct-11		64	18	
			Geometric Mean	57	23	
793.7	Evansville	4-Oct-11		52	20	
793.7	Evansville	11-Oct-11		32	12	
793.7	Evansville	18-Oct-11		71	27	
793.7	Evansville	20-Oct-11		112	88	
793.7	Evansville	25-Oct-11		24	17	
			Geometric Mean	50	25	

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 H:

Contact Recreation

Use Assessment

Appendix H: Contact Recreation Use Assessment

Mile Point	States	Longitudinal Survey Data 2003 - 2008 #>SS Max	# of Samples	% of Samples > SSM (03-08)	Assessment of Longitudinal Data	Contact Recreation 2007 - 2011 No. Mos. > GM 2007	No. Mos. > GM 2008	No. Mos. > GM 2009	No. Mos. > GM 2010	No. Mos. > GM 2011	No. Mos. > GM 07-'11	% Mos. > GM 07-'11	Assessment	OVERALL ASSESSMENT	RIVER MILE OFASSESSMENT
1.4	PA					3	6	5	5	5	24	86%	Not Supporting	Not Supporting	0
1.5	PA	7	17	41.2	Not Supporting									Not Supporting	
3.3	PA	10	17	58.8	Not Supporting									Not Supporting	
4.3	PA					1	5	5	5	5	21	75%	Not Supporting	Not Supporting	
6.4	PA	5	15	33.3	Not Supporting									Not Supporting	
9.5	PA	8	15	53.3	Not Supporting									Not Supporting	
11.4	PA	8	15	53.3	Not Supporting									Not Supporting	
12.5	PA	8	17	47.1	Not Supporting									Not Supporting	
14.4	PA	7	15	46.7	Not Supporting									Not Supporting	
17.7	PA	7	15	46.7	Not Supporting									Not Supporting	
20.5	PA	7	15	46.7	Not Supporting									Not Supporting	
20.8	PA	6	15	40.0	Not Supporting									Not Supporting	
21.8	PA	6	15	40.0	Not Supporting									Not Supporting	
22.9	PA	12	17	70.6	Not Supporting									Not Supporting	
25.5	PA	6	17	35.3	Not Supporting									Not Supporting	
25.8	PA	9	17	52.9	Not Supporting									Not Supporting	
26.4	PA	8	17	47.1	Not Supporting									Not Supporting	
28.3	PA	9	17	52.9	Not Supporting									Not Supporting	
32.9	PA	7	17	41.2	Not Supporting									Not Supporting	
37.6	PA	7	17	41.2	Not Supporting									Not Supporting	
40.2	PA														
41.2	OH-WV	7	17	41.2	Not Supporting									Not Supporting	
44.8	OH-WV	7	16	43.8	Not Supporting									Not Supporting	
48.7	OH-WV	7	17	41.2	Not Supporting									Not Supporting	
52.5	OH-WV	6	17	35.3	Not Supporting									Not Supporting	
56.4	OH-WV	5	15	33.3	Not Supporting									Not Supporting	
60.3	OH-WV	8	15	53.3	Not Supporting									Not Supporting	
66.4	OH-WV	8	17	47.1	Not Supporting									Not Supporting	
66.9	OH-WV	5	10	50.0	Not Supporting									Not Supporting	
68.2	OH-WV	2	7	28.6	Not Supporting									Not Supporting	
70.7	OH-WV	6	15	40.0	Not Supporting									Not Supporting	
71.8	OH-WV	7	15	46.7	Not Supporting									Not Supporting	
74.9	OH-WV	5	17	29.4	Not Supporting									Not Supporting	
80.2	OH-WV	5	17	29.4	Not Supporting									Not Supporting	
84.2	OH-WV					3	2	1	NA	NA	6	33%	Not Supporting	Not Supporting	0-84.9
85.6	OH-WV	3	17	17.6	Partial Support									Partial Support	84.9-89.0
86.8	OH-WV					1	1	0	1	2	5	17%	Partial Support	Partial Support	
91.2	OH-WV	8	17	47.1	Not Supporting									Not Supporting	89.0-91.3
91.4	OH-WV					1	2	1	NA	NA	4	22%	Partial Support	Partial Support	91.3-92.1
92.8	OH-WV					3	3	4	6	5	21	70%	Not Supporting	Not Supporting	
94.2	OH-WV	6	17	35.3	Not Supporting									Not Supporting	
97.8	OH-WV	4	17	23.5	Not Supporting									Not Supporting	
102.6	OH-WV	5	17	29.4	Not Supporting									Not Supporting	92.1-105.2
107.7	OH-WV	2	17	11.8	Partial Support									Partial Support	
113.0	OH-WV	2	17	11.8	Partial Support									Partial Support	
118.3	OH-WV	2	17	11.8	Partial Support									Partial Support	
123.7	OH-WV	2	17	11.8	Partial Support									Partial Support	105.2-124.3
124.9	OH-WV	1	15	6.7	Full Support									Full Support	124.3-127.0
129.1	OH-WV	3	17	17.6	Partial Support									Partial Support	127.0-131.3
133.4	OH-WV	1	15	6.7	Full Support									Full Support	131.3-136.1
138.7	OH-WV	3	17	17.6	Partial Support									Partial Support	136.1-141.5
144.2	OH-WV	1	15	6.7	Full Support									Full Support	141.5-146.9
149.6	OH-WV	2	17	11.8	Partial Support									Partial Support	
155.0	OH-WV	2	17	11.8	Partial Support									Partial Support	146.9-157.7
160.4	OH-WV	0	15	0.0	Full Support									Full Support	157.7-163.1
165.8	OH-WV	3	17	17.6	Partial Support									Partial Support	
171.2	OH-WV	2	17	11.8	Partial Support									Partial Support	
175.1	OH-WV	3	17	17.6	Partial Support									Partial Support	163.1-177.3
179.4	OH-WV	4	15	26.7	Not Supporting									Not Supporting	177.3-181.5
183.5	OH-WV	3	17	17.6	Partial Support									Partial Support	181.5-184.7
185.9	OH-WV	1	17	5.9	Full Support									Full Support	184.7-188.4
190.8	OH-WV	2	17	11.8	Partial Support									Partial Support	188.4-193.3
195.7	OH-WV	1	17	5.9	Full Support									Full Support	
200.7	OH-WV	1	17	5.9	Full Support									Full Support	193.3-203.2
205.7	OH-WV	4	17	23.5	Partial Support									Partial Support	
210.7	OH-WV	4	17	23.5	Partial Support									Partial Support	
215.7	OH-WV	4	17	23.5	Partial Support									Partial Support	
220.4	OH-WV	4	17	23.5	Partial Support									Partial Support	
225.4	OH-WV	3	17	17.6	Partial Support									Partial Support	
230.4	OH-WV	3	17	17.6	Partial Support									Partial Support	
235.6	OH-WV	3	17	17.6	Partial Support									Partial Support	
240.4	OH-WV	3	16	18.8	Partial Support									Partial Support	
245.4	OH-WV	4	17	23.5	Partial Support									Partial Support	203.2-247.9
250.4	OH-WV	6	17	35.3	Not Supporting									Not Supporting	
255.5	OH-WV	5	17	29.4	Not Supporting									Not Supporting	247.9-258.0
260.6	OH-WV	4	17	23.5	Partial Support									Partial Support	

Appendix H: Contact Recreation Use Assessment

Mile Point	States	Longitudinal Survey Data 2003 - 2008 #>SS Max	# of Samples	% of Samples > SSM (03-08)	Assessment of Longitudinal Data	Contact Recreation 2007 - 2011 No. Mos. > GM 2007	No. Mos. > GM 2008	No. Mos. > GM 2009	No. Mos. > GM 2010	No. Mos. > GM 2011	No. Mos. > GM 07-'11	% Mos. > GM 07-'11	Assessment	OVERALL ASSESSMENT	RIVER MILE OFASSESSMENT
265.7	OH-WV	4	17	23.5	Partial Support									Partial Support	258.0-267.8
269.8	OH-WV	7	17	41.2	Not Supporting									Not Supporting	267.8-272.5
275.2	OH-WV	2	17	11.8	Partial Support									Partial Support	
280.8	OH-WV	4	23	17.4	Partial Support									Partial Support	
285.9	OH-WV	5	23	21.7	Partial Support									Partial Support	
291.4	OH-WV	4	22	18.2	Partial Support									Partial Support	
296.6	OH-WV	3	20	15.0	Partial Support									Partial Support	
302.0	OH-WV	2	18	11.1	Partial Support									Partial Support	272.5-303.6
305.1	OH-WV					0	1	0	0	0	1	3%	Full Support	Full Support	303.6-306.4
307.7	OH-WV	5	17	29.4	Not Supporting									Not Supporting	
308.1	OH-WV					3	3	3	NA	NA	9	50%	Not Supporting	Not Supporting	
313.3	OH-WV	7	17	41.2	Not Supporting									Not Supporting	306.4-314.1
314.8	OH-WV					1	2	3	0	1	7	23%	Partial Support	Partial Support	314.1-315.9
317.1	OH-WV														
317.2	KY-OH	5	17	29.4	Not Supporting									Not Supporting	315.9-319.4
321.5	KY-OH	4	17	23.5	Partial Support									Partial Support	
327.4	KY-OH	2	15	13.3	Partial Support									Partial Support	
327.7	KY-OH	3	15	20.0	Partial Support									Partial Support	
328.0	KY-OH	4	17	23.5	Partial Support									Partial Support	
332.5	KY-OH	2	17	11.8	Partial Support									Partial Support	
338.1	KY-OH	3	17	17.6	Partial Support									Partial Support	319.4-340.8
343.5	KY-OH	1	17	5.9	Full Support									Full Support	
349.2	KY-OH	1	17	5.9	Full Support									Full Support	
352.0	KY-OH	1	17	5.9	Full Support									Full Support	
353.8	KY-OH	1	17	5.9	Full Support									Full Support	340.8-356.6
359.3	KY-OH	4	17	23.5	Partial Support									Partial Support	
364.6	KY-OH	3	17	17.6	Partial Support									Partial Support	
369.8	KY-OH	2	17	11.8	Partial Support									Partial Support	
375.0	KY-OH	2	17	11.8	Partial Support									Partial Support	356.6-377.7
380.4	KY-OH	1	17	5.9	Full Support									Full Support	377.7-382.9
385.4	KY-OH	2	17	11.8	Partial Support									Partial Support	382.9-388.0
390.6	KY-OH	1	17	5.9	Full Support									Full Support	
395.0	KY-OH	1	15	6.7	Full Support									Full Support	
400.4	KY-OH	1	17	5.9	Full Support									Full Support	
405.8	KY-OH	1	17	5.9	Full Support									Full Support	
411.4	KY-OH	0	17	0.0	Full Support									Full Support	
416.4	KY-OH	0	17	0.0	Full Support									Full Support	
421.6	KY-OH	0	17	0.0	Full Support									Full Support	
426.4	KY-OH	0	17	0.0	Full Support									Full Support	
431.4	KY-OH	0	17	0.0	Full Support									Full Support	
436.8	KY-OH	0	15	0.0	Full Support									Full Support	
441.5	KY-OH	0	15	0.0	Full Support									Full Support	
446.5	KY-OH	0	17	0.0	Full Support									Full Support	
451.6	KY-OH	0	16	0.0	Full Support									Full Support	
455.3	KY-OH	1	15	6.7	Full Support									Full Support	
460.0	KY-OH	1	16	6.3	Full Support									Full Support	
462.6	KY-OH					0	0	0	2	1	3	10%	Full Support	Full Support	
463.9	KY-OH					0	0	0	2	1	3	10%	Full Support	Full Support	388.0-464.5
465.0	KY-OH	1	5	20.0	Partial Support									Partial Support	464.5-465.2
465.4	KY-OH	0	11	0.0	Full Support									Full Support	
468.7	KY-OH	1	16	6.3	Full Support									Full Support	465.2-469.3
469.9	KY-OH					1	1	4	2	3	11	37%	Not Supporting	Not Supporting	
470.0	KY-OH					0	2	2	2	2	8	27%	Not Supporting	Not Supporting	469.3-471.4
472.7	KY-OH	3	16	18.8	Partial Support									Partial Support	471.4-475.1
477.5	KY-OH					1	2	3	2	3	11	37%	Not Supporting	Not Supporting	475.1-477.6
477.6	KY-OH	2	16	12.5	Partial Support									Partial Support	
482.2	KY-OH	4	16	25.0	Partial Support									Partial Support	
486.2	KY-OH	2	16	12.5	Partial Support									Partial Support	477.6-488.0
489.7	KY-OH	1	16	6.3	Full Support									Full Support	
491.3	KY-OH														
493.2	IN-KY	1	15	6.7	Full Support									Full Support	
498.0	IN-KY	1	16	6.3	Full Support									Full Support	
503.1	IN-KY	0	16	0.0	Full Support									Full Support	
508.3	IN-KY	0	16	0.0	Full Support									Full Support	
513.4	IN-KY	0	16	0.0	Full Support									Full Support	
518.5	IN-KY	1	16	6.3	Full Support									Full Support	
523.4	IN-KY	1	15	6.7	Full Support									Full Support	
528.4	IN-KY	1	16	6.3	Full Support									Full Support	
533.2	IN-KY	1	16	6.3	Full Support									Full Support	
538.5	IN-KY	1	16	6.3	Full Support									Full Support	
543.5	IN-KY	0	16	0.0	Full Support									Full Support	
548.3	IN-KY	0	16	0.0	Full Support									Full Support	
553.6	IN-KY	0	16	0.0	Full Support									Full Support	
558.8	IN-KY	1	15	6.7	Full Support									Full Support	
562.7	IN-KY	1	15	6.7	Full Support									Full Support	
567.6	IN-KY	0	16	0.0	Full Support									Full Support	

Appendix H: Contact Recreation Use Assessment

Mile Point	States	Longitudinal Survey Data 2003 - 2008 #>SS Max	# of Samples	% of Samples > SSM (03-08)	Assessment of Longitudinal Data	Contact Recreation 2007 - 2011 No. Mos. > GM 2007	No. Mos. > GM 2008	No. Mos. > GM 2009	No. Mos. > GM 2010	No. Mos. > GM 2011	No. Mos. > GM 07-'11	% Mos. > GM 07-'11	Assessment	OVERALL ASSESSMENT	RIVER MILE OFASSESSMENT
572.5	IN-KY	0	16	0.0	Full Support									Full Support	
577.4	IN-KY	0	15	0.0	Full Support									Full Support	
582.9	IN-KY	0	15	0.0	Full Support									Full Support	
587.8	IN-KY	0	16	0.0	Full Support									Full Support	
592.2	IN-KY	0	16	0.0	Full Support									Full Support	488.0-593.1
594.0	IN-KY					0	1	1	2	1	5	17%	Partial Support	Partial Support	593.1-595.5
597.1	IN-KY	0	16	0.0	Full Support									Full Support	
602.2	IN-KY	1	16	6.3	Full Support									Full Support	595.5-603.3
604.3	IN-KY	3	16	18.8	Partial Support									Partial Support	
607.5	IN-KY	4	21	19.0	Partial Support									Partial Support	603.3-608.1
608.7	IN-KY					1	1	3	NA	NA	5	28%	Not Supporting	Not Supporting	608.1-609.2
609.7	IN-KY	4	21	19.0	Partial Support									Partial Support	
612.2	IN-KY	3	21	14.3	Partial Support									Partial Support	609.2-614.9
617.6	IN-KY	8	21	38.1	Not Supporting									Not Supporting	
619.3	IN-KY					3	6	5	3	2	19	63%	Not Supporting	Not Supporting	
623.1	IN-KY	8	21	38.1	Not Supporting									Not Supporting	
628.1	IN-KY	8	21	38.1	Not Supporting									Not Supporting	
630.0	IN-KY	6	10	60.0	Not Supporting									Not Supporting	
631.6	IN-KY	11	20	55.0	Not Supporting									Not Supporting	
637.6	IN-KY	12	21	57.1	Not Supporting									Not Supporting	
643.1	IN-KY	10	21	47.6	Not Supporting									Not Supporting	
648.9	IN-KY	8	20	40.0	Not Supporting									Not Supporting	
654.0	IN-KY	7	17	41.2	Not Supporting									Not Supporting	
659.2	IN-KY	5	17	29.4	Not Supporting									Not Supporting	
664.2	IN-KY	6	17	35.3	Not Supporting									Not Supporting	
669.1	IN-KY	8	17	47.1	Not Supporting									Not Supporting	
674.5	IN-KY	8	17	47.1	Not Supporting									Not Supporting	
680.4	IN-KY	6	17	35.3	Not Supporting									Not Supporting	614.9-683.0
685.6	IN-KY	3	15	20.0	Partial Support									Partial Support	
690.7	IN-KY	4	17	23.5	Partial Support									Partial Support	
695.6	IN-KY	3	17	17.6	Partial Support									Partial Support	
700.9	IN-KY	4	17	23.5	Partial Support									Partial Support	
706.2	IN-KY	4	17	23.5	Partial Support									Partial Support	
711.5	IN-KY	3	17	17.6	Partial Support									Partial Support	
717.4	IN-KY	2	15	13.3	Partial Support									Partial Support	683.0-719.5
721.5	IN-KY	4	14	28.6	Not Supporting									Not Supporting	
727.0	IN-KY	5	17	29.4	Not Supporting									Not Supporting	
732.5	IN-KY	6	17	35.3	Not Supporting									Not Supporting	719.5-735.7
738.8	IN-KY	2	15	13.3	Partial Support									Partial Support	
742.4	IN-KY	4	17	23.5	Partial Support									Partial Support	
746.4	IN-KY	3	17	17.6	Partial Support									Partial Support	
750.6	IN-KY	3	17	17.6	Partial Support									Partial Support	
754.8	IN-KY	2	17	11.8	Partial Support									Partial Support	735.7-756.4
758.0	IN-KY	5	17	29.4	Not Supporting									Not Supporting	756.4-760.6
763.2	IN-KY	3	15	20.0	Partial Support									Partial Support	
769.1	IN-KY	2	17	11.8	Partial Support									Partial Support	
773.6	IN-KY	3	17	17.6	Partial Support									Partial Support	
778.2	IN-KY	2	17	11.8	Partial Support									Partial Support	
782.8	IN-KY	2	17	11.8	Partial Support									Partial Support	
787.0	IN-KY	2	17	11.8	Partial Support									Partial Support	760.6-789.3
791.5	IN-KY					0	1	0	0	0	1	3%	Full Support	Full Support	789.3-792.1
792.7	IN-KY	4	17	23.5	Partial Support									Partial Support	792.1-793.2
793.7	IN-KY					4	3	1	2	4	14	47%	Not Supporting	Not Supporting	
794.2	IN-KY	5	17	29.4	Not Supporting									Not Supporting	793.2-795.7
797.3	IN-KY					0	2	0	NA	NA	2	11%	Partial Support	Partial Support	
799.5	IN-KY	1	5	20.0	Partial Support									Partial Support	795.7-799.8
800.0	IN-KY	4	10	40.0	Not Supporting									Not Supporting	799.8-802.9
805.8	IN-KY	4	17	23.5	Partial Support									Partial Support	
811.3	IN-KY	4	17	23.5	Partial Support									Partial Support	
817.0	IN-KY	4	17	23.5	Partial Support									Partial Support	802.9-820.1
823.2	IN-KY	5	17	29.4	Not Supporting									Not Supporting	820.1-826.4
829.5	IN-KY	4	17	23.5	Partial Support									Partial Support	
832.2	IN-KY	2	15	13.3	Partial Support									Partial Support	
837.2	IN-KY	3	17	17.6	Partial Support									Partial Support	
842.3	IN-KY	2	17	11.8	Partial Support									Partial Support	
846.5	IN-KY	3	17	17.6	Partial Support									Partial Support	826.4-847.3
848.0	IN-KY														
851.3	IL-KY	1	17	5.9	Full Support									Full Support	847.3-853.4
855.5	IL-KY	2	15	13.3	Partial Support									Partial Support	853.4-857.6
859.7	IL-KY	1	15	6.7	Full Support									Full Support	857.6-862.1
864.4	IL-KY	2	17	11.8	Partial Support									Partial Support	
869.8	IL-KY	2	17	11.8	Partial Support									Partial Support	862.1-872.8
875.7	IL-KY	1	17	5.9	Full Support									Full Support	872.8-878.2
880.7	IL-KY	2	17	11.8	Partial Support									Partial Support	878.2-882.9
885.0	IL-KY	1	17	5.9	Full Support									Full Support	
889.2	IL-KY	1	17	5.9	Full Support									Full Support	

Appendix H: Contact Recreation Use Assessment

Mile Point	States	Longitudinal Survey Data 2003 - 2008 #>SS Max	# of Samples	% of Samples > SSM (03-08)	Assessment of Longitudinal Data	Contact Recreation 2007 - 2011 No. Mos. > GM 2007	No. Mos. > GM 2008	No. Mos. > GM 2009	No. Mos. > GM 2010	No. Mos. > GM 2011	No. Mos. > GM 07-'11	% Mos. > GM 07-'11	Assessment	OVERALL ASSESSMENT	RIVER MILE OFASSESSMENT
891.7	IL-KY	1	17	5.9	Full Support									Full Support	882.9-894.6
897.5	IL-KY	3	17	17.6	Partial Support									Partial Support	
903.2	IL-KY	3	17	17.6	Partial Support									Partial Support	
908.0	IL-KY	2	17	11.8	Partial Support									Partial Support	894.6-910.3
912.6	IL-KY	1	17	5.9	Full Support									Full Support	
917.6	IL-KY	1	17	5.9	Full Support									Full Support	910.3-920.5
923.4	IL-KY	2	17	11.8	Partial Support									Partial Support	920.5-925.8
928.2	IL-KY	1	15	6.7	Full Support									Full Support	
932.2	IL-KY	0	17	0.0	Full Support									Full Support	
936.2	IL-KY	0	17	0.0	Full Support									Full Support	
937.7	IL-KY	0	17	0.0	Full Support									Full Support	
940.9	IL-KY	0	17	0.0	Full Support									Full Support	
944.2	IL-KY	0	17	0.0	Full Support									Full Support	
947.5	IL-KY	1	17	5.9	Full Support									Full Support	
952.2	IL-KY	1	17	5.9	Full Support									Full Support	
957.7	IL-KY	1	17	5.9	Full Support									Full Support	
963.0	IL-KY	1	16	6.3	Full Support									Full Support	
969.2	IL-KY	1	16	6.3	Full Support									Full Support	
974.1	IL-KY	1	16	6.3	Full Support									Full Support	
979.2	IL-KY	1	16	6.3	Full Support									Full Support	925.8-981.0

Appendix I:

Dioxin Sampling Results

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 Sampling
Results

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:

*m*ORFIn Scores

Appendix K: Modified Ohio River Fish Index Scores

Mile Point	Pool	Year	Habitat Type	Expected ORFIn	Observed ORFIn	*m* ORFIn Score	Biological Condition	Overall Pool Biological Condition
0.2	Emsworth	2007	C	44.55	50.76	28.09	Fair	
1.9	Emsworth	2007	B	46.71	34.98	8.76	Very Poor	
4.0	Emsworth	2007	B	46.71	75.89	50.32	Excellent	
4.3	Emsworth	2007	C	44.55	56.13	34.37	Good	
5.1	Emsworth	2007	A	50.03	51.47	22.42	Fair	Good
6.7	Dashields	2008	A	50.03	55.33	28.92	Fair	
7.4	Dashields	2008	C	44.55	54.42	32.46	Good	
7.8	Dashields	2008	C	44.55	31.39	10.87	Poor	
8.1	Dashields	2008	C	44.55	44.50	19.96	Poor	
8.4	Dashields	2008	B	46.71	62.89	39.00	Good	
9.1	Dashields	2008	B	46.71	35.79	9.10	Very Poor	
9.4	Dashields	2008	B	46.71	49.57	23.44	Fair	
9.8	Dashields	2008	B	46.71	35.71	9.07	Very Poor	
10.0	Dashields	2008	C	44.55	35.09	13.44	Poor	
10.6	Dashields	2008	C	44.55	28.85	9.27	Very Poor	
10.8	Dashields	2008	B	46.71	46.48	19.74	Poor	
11.3	Dashields	2008	D	41.80	41.55	19.75	Poor	
11.6	Dashields	2008	B	46.71	59.07	34.62	Good	
12.0	Dashields	2008	B	46.71	51.90	26.22	Fair	
12.5	Dashields	2008	B	46.71	61.15	36.99	Good	Fair
13.7	Montgomery	2010	B	46.71	78.78	55.34	Excellent	
14.1	Montgomery	2010	B	46.71	73.12	47.83	Very Good	
14.8	Montgomery	2010	D	41.80	61.53	43.39	Very Good	
15.3	Montgomery	2010	B	46.71	55.45	30.46	Good	
16.5	Montgomery	2010	C	44.55	59.09	37.70	Good	
16.8	Montgomery	2010	B	46.71	59.46	35.06	Good	
18.3	Montgomery	2010	B	46.71	28.76	6.09	Very Poor	
18.6	Montgomery	2010	C	44.55	70.83	48.04	Very Good	
25.3	Montgomery	2010	D	41.80	43.43	22.06	Fair	
25.9	Montgomery	2010	B	46.71	55.69	30.74	Good	
27.3	Montgomery	2010	B	46.71	46.33	19.57	Poor	
27.9	Montgomery	2010	C	44.55	55.76	33.97	Good	
28.7	Montgomery	2010	C	44.55	50.13	27.27	Fair	
30.4	Montgomery	2010	C	44.55	52.98	30.84	Good	
30.7	Montgomery	2010	C	44.55	48.03	24.54	Fair	Good
32.3	New Cumberland	2011	D	41.80	54.20	35.47	Good	
33.6	New Cumberland	2011	C	44.55	64.03	42.40	Very Good	
34.2	New Cumberland	2011	C	44.55	48.72	25.43	Fair	
35.2	New Cumberland	2011	C	44.55	67.13	44.97	Very Good	
35.6	New Cumberland	2011	B	46.71	42.49	15.21	Poor	
37.2	New Cumberland	2011	D	41.80	45.35	24.48	Fair	
39.0	New Cumberland	2011	C	44.55	35.67	13.84	Poor	
41.0	New Cumberland	2011	C	44.55	49.91	26.98	Fair	
42.0	New Cumberland	2011	B	46.71	50.62	24.69	Fair	
42.7	New Cumberland	2011	B	46.71	45.35	18.46	Poor	
43.5	New Cumberland	2011	B	46.71	43.16	15.97	Poor	
47.0	New Cumberland	2011	A	50.03	34.70	8.40	Very Poor	
49.4	New Cumberland	2011	C	44.55	45.24	20.90	Fair	
52.2	New Cumberland	2011	A	50.03	40.69	13.03	Poor	
52.5	New Cumberland	2011	B	46.71	54.70	29.57	Fair	Fair
55.5	Pike Island	2007	B	46.71	69.36	44.68	Very Good	
56.2	Pike Island	2007	C	44.55	81.03	59.44	Excellent	
58.2	Pike Island	2007	C	44.55	73.48	50.35	Excellent	
60.1	Pike Island	2007	C	44.55	74.31	51.35	Excellent	
60.4	Pike Island	2007	B	46.71	61.34	37.22	Good	
62.8	Pike Island	2007	B	46.71	66.43	42.22	Very Good	
64.3	Pike Island	2007	C	44.55	73.82	50.75	Excellent	
64.8	Pike Island	2007	C	44.55	58.40	36.92	Good	
68.4	Pike Island	2007	C	44.55	71.30	48.43	Very Good	
72.9	Pike Island	2007	C	44.55	68.10	45.78	Very Good	
75.2	Pike Island	2007	A	50.03	60.30	36.54	Good	
78.1	Pike Island	2007	E	39.59	49.20	28.78	Fair	
78.9	Pike Island	2007	D	41.80	52.94	33.93	Good	
79.2	Pike Island	2007	C	44.55	58.70	37.26	Good	
79.8	Pike Island	2007	C	44.55	62.37	41.02	Very Good	Very Good

Appendix K: Modified Ohio River Fish Index Scores

Mile Point	Pool	Year	Habitat Type	Expected ORFIn	Observed ORFIn	*m* ORFIn Score	Biological Condition	Overall Pool Biological Condition
89.0	Hannibal	2008	B	46.71	65.28	41.27	Very Good	
89.9	Hannibal	2008	C	44.55	56.33	34.60	Good	
91.0	Hannibal	2008	A	50.03	63.63	41.05	Very Good	
92.2	Hannibal	2008	B	46.71	63.87	40.08	Very Good	
95.8	Hannibal	2008	C	44.55	49.17	26.01	Fair	
98.4	Hannibal	2008	C	44.55	38.90	16.08	Poor	
100.6	Hannibal	2008	B	46.71	63.91	40.11	Very Good	
103.1	Hannibal	2008	D	41.80	19.97	1.37	Very Poor	
105.0	Hannibal	2008	C	44.55	55.12	33.25	Good	
107.9	Hannibal	2008	D	41.80	62.59	44.39	Very Good	
108.4	Hannibal	2008	D	41.80	49.98	30.32	Good	
109.9	Hannibal	2008	C	44.55	68.49	46.10	Very Good	
113.4	Hannibal	2008	D	41.80	62.07	43.91	Very Good	
118.6	Hannibal	2008	E	39.59	54.25	34.30	Good	
124.6	Hannibal	2008	D	41.80	67.41	48.91	Very Good	Good
130.7	Willow Island	2011	D	41.80	65.76	47.36	Very Good	
134.9	Willow Island	2011	C	44.55	52.88	30.73	Good	
136.4	Willow Island	2011	C	44.55	50.34	27.54	Fair	
139.1	Willow Island	2011	D	41.80	60.31	42.26	Very Good	
139.4	Willow Island	2011	D	41.80	43.92	22.68	Fair	
139.8	Willow Island	2011	D	41.80	42.50	20.89	Fair	
142.6	Willow Island	2011	D	41.80	48.85	28.90	Fair	
142.9	Willow Island	2011	D	41.80	48.72	28.74	Fair	
143.0	Willow Island	2011	B	46.71	52.41	26.83	Fair	
143.8	Willow Island	2011	C	44.55	32.73	11.80	Poor	
144.1	Willow Island	2011	D	41.80	44.04	22.83	Fair	
148.7	Willow Island	2011	D	41.80	54.95	36.40	Good	
150.9	Willow Island	2011	C	44.55	45.99	21.87	Fair	
153.8	Willow Island	2011	D	41.80	48.22	28.11	Fair	
160.8	Willow Island	2011	B	46.71	45.88	19.06	Poor	Fair
163.9	Belleville	2009	C	44.55	67.39	45.19	Very Good	
166.9	Belleville	2009	D	41.80	70.74	52.57	Excellent	
170.3	Belleville	2009	C	44.55	50.50	27.74	Fair	
170.4	Belleville	2009	C	44.55	63.62	42.06	Very Good	
170.8	Belleville	2009	C	44.55	54.89	32.99	Good	
171.3	Belleville	2009	C	44.55	57.53	35.95	Good	
171.4	Belleville	2009	D	41.80	56.37	38.13	Good	
174.3	Belleville	2009	C	44.55	39.84	16.74	Poor	
179.3	Belleville	2009	C	44.55	54.53	32.58	Good	
185.1	Belleville	2009	B	46.71	48.42	22.05	Fair	
186.4	Belleville	2009	D	41.80	48.62	28.61	Fair	
189.3	Belleville	2009	C	44.55	61.99	40.71	Very Good	
191.0	Belleville	2009	B	46.71	54.98	29.91	Fair	
193.5	Belleville	2009	C	44.55	57.50	35.91	Good	
194.6	Belleville	2009	B	46.71	59.54	35.15	Good	Good
204.4	Racine	2010	B	46.71	64.53	40.64	Very Good	
208.6	Racine	2010	B	46.71	41.36	13.94	Poor	
215.3	Racine	2010	B	46.71	56.83	32.04	Good	
217.7	Racine	2010	D	41.80	52.45	33.34	Good	
218.1	Racine	2010	E	39.59	26.36	0.00	Very Poor	
218.5	Racine	2010	C	44.55	55.86	34.07	Good	
222.7	Racine	2010	D	41.80	30.07	8.90	Very Poor	
223.9	Racine	2010	C	44.55	49.94	27.02	Fair	
227.1	Racine	2010	E	39.59	45.63	25.52	Fair	
227.9	Racine	2010	D	41.80	55.11	36.59	Good	
228.0	Racine	2010	D	41.80	41.28	19.49	Poor	
231.7	Racine	2010	E	39.59	43.71	23.76	Fair	
232.5	Racine	2010	D	41.80	27.10	6.68	Very Poor	
234.1	Racine	2010	D	41.80	32.91	11.32	Poor	
234.7	Racine	2010	D	41.80	23.43	3.95	Very Poor	Fair
238.1	R.C. Byrd	2008	B	46.71	54.99	29.93	Fair	
242.7	R.C. Byrd	2008	C	44.55	59.95	38.67	Good	
247.1	R.C. Byrd	2008	C	44.55	54.43	32.47	Good	
251.7	R.C. Byrd	2008	D	41.80	59.39	41.39	Very Good	
252.0	R.C. Byrd	2008	B	46.71	55.56	30.58	Good	
252.3	R.C. Byrd	2008	D	41.80	46.49	25.92	Fair	
253.1	R.C. Byrd	2008	D	41.80	50.93	31.48	Good	
256.6	R.C. Byrd	2008	C	44.55	53.31	31.22	Good	
261.5	R.C. Byrd	2008	A	50.03	61.33	38.10	Good	
264.7	R.C. Byrd	2008	C	44.55	61.67	40.44	Very Good	
266.5	R.C. Byrd	2008	B	46.71	42.07	14.74	Poor	
267.2	R.C. Byrd	2008	C	44.55	62.82	41.40	Very Good	
268.5	R.C. Byrd	2008	D	41.80	44.14	22.95	Fair	
273.3	R.C. Byrd	2008	E	39.59	51.05	30.60	Good	
275.8	R.C. Byrd	2008	D	41.80	47.73	27.49	Fair	Good

Appendix K: Modified Ohio River Fish Index Scores

Mile Point	Pool	Year	Habitat Type	Expected ORFIn	Observed ORFIn	*m* ORFIn Score	Biological Condition	Overall Pool Biological Condition
283.0	Greenup	2011	C	44.55	49.85	26.90	Fair	
288.2	Greenup	2011	C	44.55	57.21	35.59	Good	
292.4	Greenup	2011	C	44.55	63.53	41.98	Very Good	
299.3	Greenup	2011	C	44.55	48.37	24.98	Fair	
307.3	Greenup	2011	D	41.80	50.98	31.55	Good	
309.1	Greenup	2011	D	41.80	60.01	41.97	Very Good	
311.6	Greenup	2011	C	44.55	60.81	39.63	Good	
313.6	Greenup	2011	D	41.80	73.01	55.26	Excellent	
316.8	Greenup	2011	D	41.80	53.63	34.78	Good	
318.9	Greenup	2011	C	44.55	54.73	32.81	Good	
321.1	Greenup	2011	B	46.71	74.49	48.98	Very Good	
322.0	Greenup	2011	C	44.55	72.81	49.69	Very Good	
329.2	Greenup	2011	E	39.59	47.69	27.41	Fair	
331.8	Greenup	2011	D	41.80	56.03	37.72	Good	
337.6	Greenup	2011	E	39.59	60.29	41.37	Very Good	Good
356.2	Meldahl	2007	C	44.55	70.36	47.65	Very Good	
363.6	Meldahl	2007	D	41.80	76.99	60.00	Excellent	
365.7	Meldahl	2007	C	44.55	77.46	55.13	Excellent	
378.6	Meldahl	2007	D	41.80	61.00	42.91	Very Good	
380.4	Meldahl	2007	C	44.55	68.60	46.19	Very Good	
384.9	Meldahl	2007	D	41.80	59.24	41.25	Very Good	
395.1	Meldahl	2007	C	44.55	64.12	42.47	Very Good	
396.6	Meldahl	2007	B	46.71	63.99	40.18	Very Good	
397.4	Meldahl	2007	C	44.55	69.21	46.70	Very Good	
404.8	Meldahl	2007	D	41.80	61.70	43.55	Very Good	
410.0	Meldahl	2007	C	44.55	73.19	50.00	Very Good	
410.6	Meldahl	2007	B	46.71	68.43	43.90	Very Good	
423.5	Meldahl	2007	D	41.80	71.01	52.89	Excellent	
427.9	Meldahl	2007	D	41.80	75.04	57.68	Excellent	
431.2	Meldahl	2007	D	41.80	69.68	51.30	Excellent	Very Good
438.1	Markland	2009	A	50.03	68.52	45.96	Very Good	
445.7	Markland	2009	D	41.80	58.61	40.66	Very Good	
458.2	Markland	2009	D	41.80	50.75	31.26	Good	
469.2	Markland	2009	C	44.55	56.83	35.17	Good	
473.0	Markland	2009	A	50.03	70.27	47.72	Very Good	
477.7	Markland	2009	D	41.80	47.91	27.71	Fair	
487.5	Markland	2009	E	39.59	58.66	39.40	Good	
490.1	Markland	2009	B	46.71	81.19	59.53	Excellent	
508.9	Markland	2009	D	41.80	59.19	41.21	Very Good	
511.9	Markland	2009	D	41.80	68.29	49.72	Very Good	
519.0	Markland	2009	D	41.80	69.77	51.42	Excellent	
519.6	Markland	2009	C	44.55	71.19	48.34	Very Good	
527.2	Markland	2009	D	41.80	61.06	42.96	Very Good	
528.8	Markland	2009	D	41.80	65.51	47.13	Very Good	
530.8	Markland	2009	D	41.80	60.21	42.16	Very Good	Very Good
534.1	McAlpine	2009	D	41.80	59.14	41.16	Very Good	
540.4	McAlpine	2009	D	41.80	57.51	39.52	Good	
544.5	McAlpine	2009	C	44.55	64.42	42.72	Very Good	
547.1	McAlpine	2009	C	44.55	59.87	38.58	Good	
549.5	McAlpine	2009	D	41.80	49.31	29.48	Fair	
550.2	McAlpine	2009	D	41.80	66.85	48.38	Very Good	
556.1	McAlpine	2009	C	44.55	47.06	23.27	Fair	
571.9	McAlpine	2009	B	46.71	63.97	40.17	Very Good	
575.4	McAlpine	2009	B	46.71	73.51	48.15	Very Good	
585.1	McAlpine	2009	B	46.71	24.95	4.46	Very Poor	
585.9	McAlpine	2009	D	41.80	52.67	33.61	Good	
586.7	McAlpine	2009	B	46.71	49.44	23.28	Fair	
596.4	McAlpine	2009	D	41.80	54.59	35.96	Good	
597.2	McAlpine	2009	D	41.80	49.02	29.12	Fair	
600.3	McAlpine	2009	D	41.80	67.64	49.12	Very Good	Good
612.1	Cannelton	2007	C	44.55	62.57	41.19	Very Good	
612.2	Cannelton	2007	D	41.80	60.95	42.85	Very Good	
614.1	Cannelton	2007	C	44.55	64.21	42.55	Very Good	
617.7	Cannelton	2007	D	41.80	60.33	42.27	Very Good	
621.2	Cannelton	2007	B	46.71	74.99	49.40	Very Good	
623.8	Cannelton	2007	D	41.80	63.96	45.67	Very Good	
628.2	Cannelton	2007	C	44.55	64.65	42.92	Very Good	
639.7	Cannelton	2007	C	44.55	76.46	53.94	Excellent	
648.6	Cannelton	2007	D	41.80	51.64	32.34	Good	
656.4	Cannelton	2007	D	41.80	73.77	56.17	Excellent	
661.6	Cannelton	2007	B	46.71	69.99	45.21	Very Good	
680.7	Cannelton	2007	E	39.59	54.33	34.39	Good	
682.3	Cannelton	2007	A	50.03	79.24	70.05	Excellent	
689.8	Cannelton	2007	D	41.80	67.40	48.90	Very Good	
694.5	Cannelton	2007	D	41.80	69.56	51.16	Excellent	
696.1	Cannelton	2007	D	41.80	64.52	46.20	Very Good	
707.5	Cannelton	2007	D	41.80	67.41	48.90	Very Good	
709.8	Cannelton	2007	C	44.55	68.77	46.33	Very Good	
720.3	Cannelton	2007	E	39.59	64.68	46.81	Very Good	Good

Appendix K: Modified Ohio River Fish Index Scores

Mile Point	Pool	Year	Habitat Type	Expected ORFIn	Observed ORFIn	*m* ORFIn Score	Biological Condition	Overall Pool Biological Condition
610.5	Cannelton	2011	B	46.71	54.42	29.25	Fair	
612.8	Cannelton	2011	D	41.80	59.17	41.19	Very Good	
614.9	Cannelton	2011	D	41.80	68.22	49.67	Very Good	
615.6	Cannelton	2011	C	44.55	61.70	40.46	Very Good	
634.1	Cannelton	2011	D	41.80	40.39	18.63	Poor	
638.1	Cannelton	2011	D	41.80	62.53	44.34	Very Good	
641.0	Cannelton	2011	D	41.80	65.94	47.52	Very Good	
656.8	Cannelton	2011	C	44.55	58.02	36.50	Good	
658.2	Cannelton	2011	B	46.71	75.87	50.27	Excellent	
659.7	Cannelton	2011	D	41.80	72.41	54.56	Excellent	
681.7	Cannelton	2011	D	41.80	47.29	26.93	Fair	
692.4	Cannelton	2011	D	41.80	66.36	47.92	Very Good	
695.9	Cannelton	2011	D	41.80	70.88	52.73	Excellent	
705.8	Cannelton	2011	D	41.80	71.38	53.33	Excellent	
707.4	Cannelton	2011	E	39.59	71.14	60.00	Excellent	**Very Good**
721.2	Newburgh	2007	C	44.55	77.77	55.51	Excellent	
724.8	Newburgh	2007	C	44.55	74.62	51.72	Excellent	
736.7	Newburgh	2007	E	39.59	58.79	39.55	Good	
740.4	Newburgh	2007	C	44.55	64.95	43.16	Very Good	
742.4	Newburgh	2007	D	41.80	43.41	22.03	Fair	
747.3	Newburgh	2007	C	44.55	53.04	30.91	Good	
748.8	Newburgh	2007	D	41.80	66.27	47.84	Very Good	
749.3	Newburgh	2007	D	41.80	58.30	40.38	Very Good	
752.0	Newburgh	2007	D	41.80	69.01	50.51	Excellent	
754.3	Newburgh	2007	D	41.80	60.29	42.24	Very Good	
754.8	Newburgh	2007	E	39.59	59.93	40.92	Very Good	
759.7	Newburgh	2007	D	41.80	66.12	47.70	Very Good	
762.5	Newburgh	2007	D	41.80	61.36	43.24	Very Good	
768.9	Newburgh	2007	D	41.80	49.72	30.00	Good	
772.1	Newburgh	2007	D	41.80	62.45	44.26	Very Good	**Very Good**
778.1	John T. Myers	2010	C	44.55	71.01	48.19	Very Good	
787.4	John T. Myers	2010	D	41.80	47.58	27.29	Fair	
792.2	John T. Myers	2010	D	41.80	57.21	39.15	Good	
795.3	John T. Myers	2010	D	41.80	58.59	40.65	Very Good	
796.5	John T. Myers	2010	D	41.80	46.45	25.87	Fair	
801.9	John T. Myers	2010	C	44.55	62.65	41.25	Very Good	
802.4	John T. Myers	2010	D	41.80	47.23	26.85	Fair	
802.8	John T. Myers	2010	D	41.80	56.98	38.87	Good	
808.9	John T. Myers	2010	D	41.80	45.83	25.09	Fair	
813.7	John T. Myers	2010	D	41.80	54.17	35.44	Good	
814.6	John T. Myers	2010	C	44.55	61.17	40.03	Very Good	
814.9	John T. Myers	2010	C	44.55	53.91	31.88	Good	
816.9	John T. Myers	2010	E	39.59	48.93	28.54	Fair	
823.4	John T. Myers	2010	E	39.59	60.73	41.92	Very Good	
825.5	John T. Myers	2010	D	41.80	65.13	46.77	Very Good	**Good**
849.5	Smithland	2008	E	39.59	35.21	13.76	Poor	
854.6	Smithland	2008	D	41.80	44.71	23.68	Fair	
856.3	Smithland	2008	D	41.80	43.62	22.30	Fair	
859.4	Smithland	2008	D	41.80	45.92	25.20	Fair	
860.4	Smithland	2008	E	39.59	47.37	27.11	Fair	
869.7	Smithland	2008	D	41.80	48.56	28.53	Fair	
873.0	Smithland	2008	C	44.55	39.70	16.63	Poor	
874.9	Smithland	2008	D	41.80	61.95	43.79	Very Good	
881.7	Smithland	2008	C	44.55	62.52	41.14	Very Good	
889.4	Smithland	2008	E	39.59	68.85	60.00	Excellent	
905.7	Smithland	2008	D	41.80	60.53	42.46	Very Good	
910.7	Smithland	2008	D	41.80	65.69	47.29	Very Good	
912.0	Smithland	2008	D	41.80	62.45	44.26	Very Good	**Good**
919.2	Open Water	2009	D	41.80	48.84	28.89	Fair	
921.5	Open Water	2009	D	41.80	70.03	51.72	Excellent	
924.7	Open Water	2009	D	41.80	58.88	40.92	Very Good	
926.5	Open Water	2009	D	41.80	69.01	50.51	Excellent	
928.1	Open Water	2009	C	44.55	64.98	43.19	Very Good	
935.6	Open Water	2009	D	41.80	63.35	45.10	Very Good	
937.7	Open Water	2009	B	46.71	78.39	54.67	Excellent	
939.4	Open Water	2009	D	41.80	36.36	14.69	Poor	
940.4	Open Water	2009	D	41.80	30.21	9.00	Very Poor	
950.2	Open Water	2009	D	41.80	31.19	9.73	Very Poor	
950.4	Open Water	2009	C	44.55	47.57	23.93	Fair	
952.2	Open Water	2009	D	41.80	41.71	19.92	Poor	
953.7	Open Water	2009	C	44.55	52.96	30.82	Good	
954.3	Open Water	2009	C	44.55	42.40	18.51	Poor	
961.1	Open Water	2009	D	41.80	33.07	11.48	Poor	
970.2	Open Water	2009	D	41.80	48.55	28.52	Fair	
977.2	Open Water	2009	A	50.03	59.17	34.84	Good	**Good**

Appendix L:

Fish Tissue Methylmercury Data

Appendix L: Methylmercury Fish Tissue Results

Ind R mi	Pool	Year	Species	Trophic Level	Avg Length (cm)	Avg Weight (kg)	MeHg Result (mg/kg)	# Fish in sample	Consumption-Weighted Pool Avg MeHg in Fish Tissue (mg/kg)
2.0	Emsworth	2011	Common Carp	2.40	55.7	3.10	0.123	3	0.15
2.0	Emsworth	2011	Freshwater Drum	3.70	50.7	1.82	0.265	3	
2.0	Emsworth	2011	Smallmouth Bass	3.90	29.0	0.32	0.104	3	
7.0	Dashields	2011	Common Carp	2.40	54.0	2.27	0.106	2	0.13
7.0	Dashields	2011	Freshwater Drum	3.70	51.0	1.56	0.226	2	
7.0	Dashields	2011	Sauger	3.50	38.7	0.42	0.151	3	
7.0	Dashields	2011	Walleye	4.10	51.0	1.05	0.131	2	
22.0	Montgomery	2011	River Carpsucker	2.40	49.0	1.49	0.0822	3	0.11
26.0	Montgomery	2011	Smallmouth Bass	3.90	40.7	0.85	0.139	3	
28.0	Montgomery	2011	Channel Catfish	4.00	50.3	1.02	0.123	3	
28.0	Montgomery	2011	White Bass	3.90	38.0	0.71	0.145	3	
36.0	New Cumberland	2011	Freshwater Drum	3.70	50.7	1.86	0.268	3	0.15
36.0	New Cumberland	2011	Smallmouth Bass	3.90	42.7	0.92	0.257	3	
47.0	New Cumberland	2011	Walleye	4.10	41.0	0.00	0.0622	1	
52.5	New Cumberland	2011	River Carpsucker	2.40	41.7		0.0938	3	
56.0	Pike Island	2010	Hybrid Striped Bass	3.90	56.2	2.25	0.279	3	0.23
64.3	Pike Island	2010	Freshwater Drum	3.70	59.3	2.75	0.189	3	
91.0	Hannibal	2010	Freshwater Drum	3.70	60.3	2.47	0.374	3	0.44
91.0	Hannibal	2010	Hybrid Striped Bass	3.90	56.2	2.43	0.644	3	
113.5	Hannibal	2010	Freshwater Drum	3.70	64.8	2.92	0.297	3	
127.0	Willow Island	2010	Largemouth Bass	3.80	32.3	0.37	0.135	3	0.23
128.5	Willow Island	2010	Hybrid Striped Bass	3.90	63.0	4.45	0.273	2	
130.0	Willow Island	2010	Freshwater Drum	3.70	77.0	6.25	0.404	1	
138.2	Willow Island	2010	Freshwater Drum	3.70	57.0	1.95	0.241	3	
162.0	Belleville	2010	Freshwater Drum	3.70	63.2	3.62	0.202	3	0.25
162.0	Belleville	2010	Hybrid Striped Bass	3.90	65.5	4.08	0.403	3	
171.0	Belleville	2010	Largemouth Bass	3.80	32.0	0.40	0.134	3	
205.6	Racine	2010	Freshwater Drum	3.70	63.0	3.75	0.441	3	0.28
206.0	Racine	2010	Hybrid Striped Bass	3.90	55.0	2.10	0.322	2	
214.0	Racine	2010	Channel Catfish	4.00	57.0	1.97	0.158	3	
220.0	Racine	2010	Largemouth Bass	3.80	35.3	0.57	0.197	3	
279.5	Greenup	2010	Hybrid Striped Bass	3.90	58.0	2.86	0.351	3	0.25
281.5	Greenup	2010	Freshwater Drum	3.70	63.3	3.07	0.361	3	
311.5	Greenup	2010	Channel Catfish	4.00	58.5	1.92	0.111	3	
326.0	Greenup	2010	Largemouth Bass	3.80	35.1	0.47	0.186	3	

Appendix L: Methylmercury Fish Tissue Results

Ind R mi	Pool	Year	Species	Trophic Level	Avg Length (cm)	Avg Weight (kg)	MeHg Result (mg/kg)	# Fish in sample	Consumption-Weighted Pool Avg MeHg in Fish Tissue (mg/kg)
348.0	Meldahl	2010	Freshwater Drum	3.70	62.0		0.274	3	0.24
355.0	Meldahl	2010	Hybrid Striped Bass	3.90	58.7	3.20	0.255	3	
435.0	Meldahl	2010	Freshwater Drum	3.70	61.0	2.70	0.250	2	
435.0	Meldahl	2010	Largemouth Bass	3.80	40.3	0.83	0.125	3	
435.0	Meldahl	2010	Largemouth Bass	3.80	43.0	1.00	0.240	1	
435.0	Meldahl	2010	Largemouth Bass	3.80	39.0	0.80	0.177	1	
435.0	Meldahl	2010	Largemouth Bass	3.80	39.0	0.70	0.249	1	
459.6	Markland	2010	Channel Catfish	4.00	60.8	2.28	0.0396	3	0.26
463.5	Markland	2010	Channel Catfish	4.00	60.7	2.08	0.171	3	
463.5	Markland	2010	Channel Catfish	4.00	58.0	1.55	0.108	1	
463.5	Markland	2010	Channel Catfish	4.00	64.0	2.65	0.133	1	
463.5	Markland	2010	Channel Catfish	4.00	60.0	2.05	0.136	1	
463.5	Markland	2010	Hybrid Striped Bass	3.90	57.7	2.55	0.240	3	
463.5	Markland	2010	Hybrid Striped Bass	3.90	63.0	3.22	0.386	3	
463.5	Markland	2010	Hybrid Striped Bass	3.90	69.0	4.15	0.378	1	
463.5	Markland	2010	Hybrid Striped Bass	3.90	60.0	2.45	0.321	1	
463.5	Markland	2010	Hybrid Striped Bass	3.90	60.0	3.05	0.277	1	
474.5	Markland	2010	Largemouth Bass	3.80	40.7	1.10	0.307	3	
478.7	Markland	2010	Freshwater Drum	3.70	56.3	2.55	0.296	3	
531.6	McAlpine	2010	Hybrid Striped Bass	3.90	56.7	2.52	0.199	3	0.24
531.6	McAlpine	2010	Hybrid Striped Bass	3.90	52.5	2.08	0.452	3	
533.7	McAlpine	2010	Largemouth Bass	3.80	37.1	0.78	0.169	3	
536.1	McAlpine	2010	Channel Catfish	4.00	57.6	1.95	0.251	3	
538.0	McAlpine	2010	Freshwater Drum	3.70	50.5	2.03	0.213	3	
607.0	Cannelton	2010	Channel Catfish	4.00	59.3	1.80	0.128	3	0.23
607.5	Cannelton	2011	Striped Bass	3.90	58.3	2.02	0.365	3	
608.0	Cannelton	2010	Hybrid Striped Bass	3.90	66.0	2.82	0.257	3	
608.5	Cannelton	2010	Freshwater Drum	3.70	49.8	1.41	0.181	4	
721.0	Newburgh	2011	Freshwater Drum	3.70	44.9		0.289	3	0.17
739.0	Newburgh	2010	Hybrid Striped Bass	3.90	48.0	1.66	0.130	3	
756.0	Newburgh	2010	Freshwater Drum	3.70	54.7	1.97	0.118	3	
776.1	JT Myers	2010	Freshwater Drum	3.70	62.7	3.40	0.357	3	0.38
776.1	JT Myers	2010	Hybrid Striped Bass	3.90	63.0	2.57	0.860	3	
777.6	JT Myers	2010	Freshwater Drum	3.70	53.5	2.08	0.304	3	
788.6	JT Myers	2010	Largemouth Bass	3.80	43.5	1.18	0.263	2	
807.6	JT Myers	2010	Channel Catfish	4.00	60.2	2.20	0.0999	3	
816.7	JT Myers	2010	Channel Catfish	4.00	50.7	1.10	0.0563	3	
846.0	Smithland	2010	Hybrid Striped Bass	3.90	60.3	2.55	0.671	3	0.31
846.2	Smithland	2010	Freshwater Drum	3.70	55.0	2.65	0.172	3	
846.3	Smithland	2010	Channel Catfish	4.00	62.3	2.30	0.0739	2	
918.5	Olmsted	2010	Hybrid Striped Bass	3.90	52.5	1.62	0.395	3	0.20
918.5	Olmsted	2010	Largemouth Bass	3.80	37.1	0.68	0.264	3	
919.0	Olmsted	2011	Blue Catfish	3.00	46.7		0.0826	3	
919.0	Olmsted	2011	Common Carp	2.40	54.5	2.54	0.138	2	

Appendix M:

Fish Consumption Advisory Summary

Appendix M: Summary of fish consumption advisories for states bordering the Ohio River.

State (River Segment)	PA (0-32)	PA (32-40)	WV (40-204)	WV (204-317)	OH (40-204)	OH (204-491)	KY (317-531)		KY (531-720)		KY (720-981)		IN (491-848)		IL(848-981)	
Population Protected	Both	Both	Both	Both	Both	Both	General	Sensitive	General	Sensitive	General	Sensitive	General	Sensitive	General	Sensitive
Pollutants	PCBs		PCBs		PCBs		Hg, PCBs						PCBs		PCB, Hg	
Paddlefish							6 ml/yr	Do Not Eat	6 ml/yr	Do Not Eat	6 ml/yr	Do Not Eat				
Carp	1 ml/month	Do Not Eat	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	Do Not Eat		
Carp <22"																1 ml/wk
Carp >22"																1 ml/month
Suckers			1 ml/month	1 ml/month	1 ml/month	1 ml/month							1 ml/month	Do Not Eat		
Smallmouth Buffalo							1 ml/month	6 ml/yr								
Bigmouth Buffalo											1 ml/wk	1 ml/month				
Blue Catifsh																1 ml/wk
Blue Catfish <14"											1 ml/wk	1 ml/month				
Blue Catfish >14"											1 ml/month	6 ml/yr				
Channel Catfish	1 ml/month										1 ml/month	6 ml/yr				
Channel Catfish <18"			6 ml/yr	1 ml/month	6 ml/yr	1 ml/month							1 ml/month	Do Not Eat		1 ml/wk
Channel Cat >18"			Do Not Eat	6 ml/yr	Do Not Eat	6 ml/yr							6 ml/yr	Do Not Eat		1 ml/month
Channel Catfish <17"		6 ml/yr														
Channel Catfish >17"		Do Not Eat														
Channel Catfish <21"							1 ml/month	6 ml/yr	1 ml/month	6 ml/yr						
Channel Catfish >21"							6 ml/yr	Do Not Eat	6 ml/yr	Do Not Eat						
Flathead Cat		6 ml/yr	1 ml/month	1 ml/month	1 ml/month	1 ml/month	1 ml/month	6 ml/yr	1 ml/wk	1 ml/month			1 ml/month	Do Not Eat		
White Bass	1 ml/month	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	Do Not Eat	1 ml/wk	1 ml/month
Striped Bass				1 ml/month		1 ml/month							1 ml/month	Do Not Eat	1 ml/wk	1 ml/month
Hybrid Striped Bass		1 ml/month	1 ml/month	1 ml/month	1 ml/month	1 ml/month	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	Do Not Eat	1 ml/wk	1 ml/month
Smallmouth Bass			1 ml/month		1 ml/month		1 ml/wk	1 ml/month	1 ml/wk	1 ml/month	1 ml/wk	1 ml/month		1 ml/month		
Spotted Bass			1 ml/month		1 ml/month		1 ml/wk	1 ml/month	1 ml/wk	1 ml/month	1 ml/wk	1 ml/month		1 ml/month		
Largemouth Bass			1 ml/month		1 ml/month		1 ml/wk	1 ml/month	1 ml/wk	1 ml/month	1 ml/wk	1 ml/month		1 ml/month	1 ml/wk	1 ml/month
White Crappie			1 ml/month		1 ml/month											
Black Crappie			1 ml/month		1 ml/month											
Sauger	1 ml/month		1 ml/month		1 ml/month		1 ml/month	6 ml/yr	1 ml/wk	1 ml/month	1 ml/wk	1 ml/month				
Walleye	1 ml/month		1 ml/month		1 ml/month											
Walleye >17"		1 ml/month														
Saugeye			1 ml/month		1 ml/month											
Freshwater Drum		1 ml/month					1 ml/month	6 ml/yr	1 ml/month	6 ml/yr	1 ml/month	6 ml/yr				
FW Drum <14"														1 ml/month		1 ml/wk
FW Drum >14"			1 ml/month	1 ml/month	1 ml/month	1 ml/month							1 ml/month	Do Not Eat		1 ml/month
Statewide Advisory	1 ml/wk	1 ml/wk	1 ml/wk		1 ml/wk	1 ml/wk	none	1 ml/wk	none	1 ml/wk	none	1 ml/wk	1 ml/wk	1 ml/month	none	1 ml/wk (predators)

***Statewide advisories based on Hg for sensitive populations or for potential presence of unknown contaminants**

PA	developed for sensitive, "sensitive should follow extra carefully", general should also follow
WV	issued to protect sensitive, but general should also follow
OH	issued to protect sensitive, but general should also follow
KY	separate advice for general and sensitive
IN	PCBs protect sensitive; Hg issued to both groups using different reference doses for each; sensitive used in above table
IL	PCBs protect sensitive, "may be over protective for general; Hg issued to both groups using different reference doses for each

Appendix N:

Nutrient Data

Appendix N: Ohio River Nutrient Data

Location	Mile Point	Date	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate/Nitrite-Nitrogen (mg/L)	Total Phosphorus (mg/L)
WEST VIEW	5	1/8/2008	0.357	0.06	0.683	<0.010
WEST VIEW	5	1/23/2008	0.253	0.04	0.781	0.012
WEST VIEW	5	2/14/2008	0.273	<0.03	0.676	0.028
WEST VIEW	5	3/3/2008	0.139	0.07	0.648	0.033
WEST VIEW	5	3/20/2008	1.16	0.05	0.674	0.129
WEST VIEW	5	5/6/2008	0.357	<0.03	0.46	<0.010
WEST VIEW	5	5/21/2008	0.458	0.04	0.504	0.027
WEST VIEW	5	6/5/2008	0.948	0.05	0.417	0.318
WEST VIEW	5	6/17/2008	0.506	0.06	0.58	<0.010
WEST VIEW	5	7/1/2008	0.396	0.05	0.57	0.023
WEST VIEW	5	7/30/2008	0.537	0.04	0.45	0.034
WEST VIEW	5	8/11/2008	0.657	0.04	0.810	0.033
WEST VIEW	5	8/27/2008	0.666	0.08	1.12	0.088
WEST VIEW	5	9/9/2008	0.587	0.05	0.946	0.034
WEST VIEW	5	9/24/2008	0.646	0.03	0.943	0.033
WEST VIEW	5	10/8/2008	0.345	0.05	1.00	0.056
WEST VIEW	5	10/22/2008	0.268	0.07	1.11	0.038
WEST VIEW	5	11/6/2008	0.439	0.08	0.919	0.055
WEST VIEW	5	11/20/2008	0.318	0.08	0.806	0.043
WEST VIEW	5	12/4/2008	0.315	0.08	0.839	0.044
WEST VIEW	5	1/7/2009	0.356	0.13	0.826	0.070
WEST VIEW	5	1/20/2009	0.299	0.09	0.764	0.028
WEST VIEW	5	2/4/2009	0.444	0.16	0.892	0.068
WEST VIEW	5	3/3/2009	0.348	0.09	0.762	0.045
WEST VIEW	5	3/18/2009	0.357	0.09	0.578	0.045
WEST VIEW	5	4/7/2009	0.423	0.08	0.575	0.036
WEST VIEW	5	4/21/2009	0.291	0.08	0.46	<0.010
WEST VIEW	5	5/13/2009	0.285	0.05	0.403	0.016
WEST VIEW	5	5/19/2009	0.413	0.04	0.408	<0.010
WEST VIEW	5	6/3/2009	0.289	0.05	0.521	<0.010
WEST VIEW	5	6/16/2009	0.289	0.05	0.731	0.028
WEST VIEW	5	7/9/2009	0.204	0.06	0.658	0.036
WEST VIEW	5	7/22/2009	0.455	0.07	0.676	0.039
WEST VIEW	5	8/10/2009	0.357	0.04	0.674	0.024
WEST VIEW	5	8/19/2009	0.393	0.08	0.528	0.033
WEST VIEW	5	9/9/2009	0.427	0.03	0.731	0.026
WEST VIEW	5	9/24/2009	0.493	0.05	0.582	0.117
WEST VIEW	5	10/7/2009	0.381	0.03	0.773	0.061
WEST VIEW	5	3/3/2010	0.290	0.09	0.947	0.029
WEST VIEW	5	3/17/2010	0.566	0.04	0.688	0.086
WEST VIEW	5	4/5/2010	0.577	0.04	0.659	0.053
WEST VIEW	5	4/27/2010	0.514	0.05	0.618	0.054
WEST VIEW	5	5/10/2010	0.498	<0.03	0.651	0.079
WEST VIEW	5	5/24/2010	0.456	<0.03	0.520	<0.01
WEST VIEW	5	6/7/2010	0.504	<0.03	0.779	0.028
WEST VIEW	5	6/15/2010	0.600	<0.03	0.737	0.042
WEST VIEW	5	7/7/2010	0.430	<0.03	0.841	0.035
WEST VIEW	5	7/26/2010	0.613	<0.03	0.720	0.033
WEST VIEW	5	8/4/2010	0.523	<0.03	0.608	0.024
WEST VIEW	5	8/19/2010	0.347	<0.03	0.812	<0.010
WEST VIEW	5	9/14/2010	1.21	<0.03	0.857	0.016
WEST VIEW	5	9/27/2010	0.282	<0.03	1.05	0.060
WEST VIEW	5	11/29/2010	0.713	<0.03	0.662	0.038
WEST VIEW	5	12/13/2010	0.292	0.03	0.486	0.026
WEST VIEW	5	12/28/2010	0.488	0.09	0.763	0.011
WEST VIEW	5	1/10/2011	0.514	0.10	0.667	0.042
WEST VIEW	5	1/24/2011	0.583	0.16	0.960	0.131
WEST VIEW	5	2/8/2011	0.408	0.10	0.997	0.040
WEST VIEW	5	2/23/2011	0.479	0.06	0.874	0.050
WEST VIEW	5	3/15/2011	0.891	0.04	0.671	0.060
WEST VIEW	5	3/21/2011	0.364	<0.03	0.547	0.037
WEST VIEW	5	4/11/2011	0.394	<0.03	0.513	0.032
WEST VIEW	5	4/20/2011	0.603	0.04	0.437	0.062
WEST VIEW	5	5/9/2011	0.322	<0.03	0.459	0.051
WEST VIEW	5	5/26/2011	0.151	<0.03	0.448	0.026
WEST VIEW	5	6/14/2011	0.488	<0.03	0.573	0.033
WEST VIEW	5	6/29/2011	0.384	0.05	0.452	0.054
WEST VIEW	5	7/12/2011	0.21	0.020	1.3	0.053
WHEELING	86.8	1/7/2008	0.436	0.11	0.808	0.024
WHEELING	86.8	1/22/2008	0.315	0.03	0.834	0.080
WHEELING	86.8	2/6/2008	0.571	<0.03	0.904	0.195
WHEELING	86.8	2/21/2008	0.600	<0.03	0.799	0.076
WHEELING	86.8	3/3/2008	0.27	0.14	0.794	0.044
WHEELING	86.8	3/19/2008	0.462	0.05	0.811	0.053
WHEELING	86.8	6/3/2008	0.356	0.04	0.541	<0.010
WHEELING	86.8	6/16/2008	0.565	0.05	0.527	<0.010
WHEELING	86.8	7/21/2008	0.386	0.07	0.664	0.04
WHEELING	86.8	8/4/2008	0.205	<0.03	0.551	0.041
WHEELING	86.8	8/18/2008	0.727	0.04	0.887	<0.010
WHEELING	86.8	9/9/2008	0.923	0.05	0.823	0.037
WHEELING	86.8	9/22/2008	0.694	0.03	1.08	0.038
WHEELING	86.8	10/6/2008	0.553	<0.03	1.07	0.050
WHEELING	86.8	10/20/2008	0.277	0.08	1.37	0.046
WHEELING	86.8	11/18/2008	0.306	0.09	1.11	0.064
WHEELING	86.8	1/5/2009	0.416	0.10	0.812	0.058
WHEELING	86.8	1/21/2009	0.476	0.13	0.815	0.048
WHEELING	86.8	2/3/2009	0.384	0.19	0.857	0.049
WHEELING	86.8	2/17/2009	0.746	0.10	0.715	0.090
WHEELING	86.8	3/2/2009	0.389	0.08	0.852	0.064
WHEELING	86.8	3/16/2009	0.405	0.09	0.702	0.176
WHEELING	86.8	4/6/2009	0.512	0.08	0.709	0.106
WHEELING	86.8	4/20/2009			0.558	0.014
WHEELING	86.8	5/5/2009	0.517	0.08	0.634	0.087
WHEELING	86.8	5/19/2009	0.443	0.04	0.511	0.036
WHEELING	86.8	6/1/2009	0.373	0.06	0.675	0.012
WHEELING	86.8	6/8/2009	0.487	0.06	0.713	0.038
WHEELING	86.8	6/15/2009	0.356	0.05	0.622	0.022
WHEELING	86.8	7/13/2009	0.420	0.05	0.837	0.044
WHEELING	86.8	7/20/2009	0.557	0.06	0.631	0.022
WHEELING	86.8	8/3/2009	0.576	0.05	0.729	0.063
WHEELING	86.8	8/25/2009	0.434	0.08	0.696	0.045
WHEELING	86.8	9/8/2009	0.348	0.03	0.866	0.038
WHEELING	86.8	9/21/2009	0.444	0.06	0.802	0.065
WHEELING	86.8	10/5/2009	0.503	0.08	0.990	0.072
WHEELING	86.8	10/19/2009	0.624	0.07	0.816	0.052
WHEELING	86.8	11/2/2009	0.442	0.09	0.655	0.042

Appendix N: Ohio River Nutrient Data

Location	Mile Point	Date	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate/Nitrite-Nitrogen (mg/L)	Total Phosphorus (mg/L)
WHEELING	86.8	11/17/2009	0.501	0.08	0.601	0.035
WHEELING	86.8	12/7/2009	0.766	0.08	0.822	0.051
WHEELING	86.8	12/21/2009	0.639	0.07	0.911	0.088
WHEELING	86.8	1/11/2010	0.583	0.08	0.948	0.050
WHEELING	86.8	1/25/2010	1.68	0.09	0.932	0.343
WHEELING	86.8	2/18/2010	0.469	0.14	0.798	0.034
WHEELING	86.8	3/8/2010	0.367	0.13	0.956	0.033
WHEELING	86.8	3/23/2010	1.62	0.04	0.754	0.314
WHEELING	86.8	4/5/2010	0.634	0.05	0.676	0.031
WHEELING	86.8	4/20/2010	0.595	<0.03	0.687	0.054
WHEELING	86.8	5/3/2010	0.301	<0.03	0.584	0.046
WHEELING	86.8	6/7/2010	1.13	0.07	0.975	0.104
WHEELING	86.8	6/23/2010	0.853	<0.03	0.812	0.054
WHEELING	86.8	7/6/2010	0.486	<0.03	0.803	0.045
WHEELING	86.8	7/19/2010	0.625	<0.03	0.811	0.113
WHEELING	86.8	8/17/2010	0.514	<0.03	0.683	0.044
WHEELING	86.8	9/21/2010	0.461	0.04	1.02	0.043
WHEELING	86.8	10/19/2010	0.407	0.04	0.937	0.095
WHEELING	86.8	11/1/2010	0.444	0.05	1.05	0.120
WHEELING	86.8	11/16/2010	0.364	0.04	0.806	0.038
WHEELING	86.8	12/8/2010	0.782	0.05	0.648	0.115
WHEELING	86.8	12/20/2010	0.706	0.06	0.625	0.036
WHEELING	86.8	1/5/2011	0.794	0.16	0.866	0.053
WHEELING	86.8	1/19/2011	0.659	0.14	0.741	0.058
WHEELING	86.8	2/8/2011	0.607	0.15	1.07	0.066
WHEELING	86.8	2/24/2011	0.893	0.09	0.931	0.079
WHEELING	86.8	3/9/2011	0.859	0.06	0.733	0.117
WHEELING	86.8	3/23/2011	0.547	0.04	0.644	0.055
WHEELING	86.8	4/5/2011	0.817	0.06	0.657	0.061
WHEELING	86.8	4/18/2011	0.619	0.03	0.566	0.094
WHEELING	86.8	5/4/2011	0.376	0.04	0.548	0.041
WHEELING	86.8	5/31/2011	0.732	<0.03	0.421	0.175
WHEELING	86.8	6/7/2011	0.564	<0.03	0.373	0.027
WHEELING	86.8	6/22/2011	0.471	0.06	0.627	0.042
WHEELING	86.8	7/6/2011	0.22	0.050	1.0	0.16
WV-AMERICAN	306	2/6/2008	0.610	<0.03	0.837	0.210
WV-AMERICAN	306	3/5/2008	0.504	0.07	0.704	0.233
WV-AMERICAN	306	3/18/2008	0.326	0.07	0.909	0.089
WV-AMERICAN	306	5/14/2008	0.873	0.05	0.387	0.11
WV-AMERICAN	306	6/4/2008	1.31	0.05	0.368	0.246
WV-AMERICAN	306	6/24/2008	0.338	0.04	0.603	0.049
WV-AMERICAN	306	7/28/2008	0.284	0.04	0.635	0.031
WV-AMERICAN	306	8/25/2008	0.564	<0.03	0.671	<0.010
WV-AMERICAN	306	9/11/2008	0.37	<0.03	0.503	0.013
WV-AMERICAN	306	9/30/2008	0.254	0.05	0.737	0.026
WV-AMERICAN	306	10/15/2008	0.281	0.04	0.854	0.028
WV-AMERICAN	306	11/5/2008	0.437	0.05	1.11	0.078
WV-AMERICAN	306	11/18/2008	0.647	0.06	1.14	0.065
WV-AMERICAN	306	12/4/2008	0.491	0.08	1.02	0.122
WV-AMERICAN	306	1/5/2009	0.940	0.07	0.884	0.121
WV-AMERICAN	306	1/21/2009	0.265	0.09	0.809	0.037
WV-AMERICAN	306	2/4/2009	0.364	0.13	0.901	0.099
WV-AMERICAN	306	2/18/2009	2.48	0.10	0.988	0.249
WV-AMERICAN	306	3/3/2009	0.424	0.07	0.886	0.065
WV-AMERICAN	306	3/17/2009	0.449	0.09	0.849	0.109
WV-AMERICAN	306	4/13/2009	0.573	0.05	0.501	0.17
WV-AMERICAN	306	4/22/2009	0.468	0.07	0.61	0.05
WV-AMERICAN	306	5/6/2009	1.2	0.06	0.478	0.376
WV-AMERICAN	306	6/3/2009	0.715	0.05	0.491	0.137
WV-AMERICAN	306	6/16/2009	0.434	<0.03	0.596	0.054
WV-AMERICAN	306	7/22/2009	0.414	0.05	0.686	0.027
WV-AMERICAN	306	8/5/2009	0.598	<0.03	0.626	0.069
WV-AMERICAN	306	8/20/2009	0.431	0.06	0.799	0.042
WV-AMERICAN	306	9/9/2009	0.430	0.03	0.607	0.029
WV-AMERICAN	306	9/22/2009	0.588	0.05	0.612	0.130
WV-AMERICAN	306	10/8/2009	0.533	<0.03	0.768	0.067
WV-AMERICAN	306	10/22/2009	0.510	0.04	0.909	0.048
WV-AMERICAN	306	11/4/2009	0.619	0.05	0.738	0.106
WV-AMERICAN	306	11/18/2009	0.662	0.05	0.660	0.039
WV-AMERICAN	306	12/1/2009	0.401	0.06	0.804	0.017
WV-AMERICAN	306	12/16/2009	0.557	0.05	0.845	0.163
WV-AMERICAN	306	1/6/2010	0.485	0.06	0.864	0.065
WV-AMERICAN	306	1/19/2010	0.766	0.07	0.752	0.109
WV-AMERICAN	306	2/8/2010	1.13	0.06	0.591	0.209
WV-AMERICAN	306	2/22/2010	0.399	0.07	0.718	0.040
WV-AMERICAN	306	3/8/2010	0.319	0.08	0.951	0.067
WV-AMERICAN	306	3/17/2010	0.824	0.05	0.786	0.260
WV-AMERICAN	306	4/7/2010	0.543	0.04	0.705	0.058
WV-AMERICAN	306	4/20/2010	0.688	0.03	0.524	0.048
WV-AMERICAN	306	5/5/2010	2.02	<0.03	0.454	0.426
WV-AMERICAN	306	5/18/2010	0.889	<0.03	0.625	0.100
WV-AMERICAN	306	6/8/2010	1.96	0.04	0.649	0.189
WV-AMERICAN	306	6/14/2010	2.65	<0.03	0.738	0.684
WV-AMERICAN	306	7/20/2010	0.625	<0.03	0.779	0.180
WV-AMERICAN	306	8/10/2010	0.693	<0.03	0.574	0.048
WV-AMERICAN	306	8/24/2010	0.484	<0.03	0.656	0.067
WV-AMERICAN	306	9/13/2010	0.991	<0.03	0.454	0.060
WV-AMERICAN	306	9/27/2010	0.512	<0.03	0.579	0.019
WV-AMERICAN	306	10/18/2010	0.684	<0.03	0.805	0.092
WV-AMERICAN	306	10/26/2010	0.469	<0.03	0.935	0.090
WV-AMERICAN	306	11/8/2010	0.568	<0.03	0.871	0.026
WV-AMERICAN	306	11/22/2010	0.433	<0.03	0.880	0.027
WV-AMERICAN	306	11/26/2010	0.469	<0.03	0.935	0.090
WV-AMERICAN	306	12/6/2010	1.43	0.05	0.819	0.368
WV-AMERICAN	306	12/27/2010	0.597	0.06	0.844	0.025
WV-AMERICAN	306	1/10/2011	0.748	0.14	0.952	0.067
WV-AMERICAN	306	1/24/2011	0.502	0.10	0.914	0.136
WV-AMERICAN	306	2/9/2011	0.643	0.13	0.942	0.087
WV-AMERICAN	306	2/23/2011	0.788	0.10	1.32	0.284
WV-AMERICAN	306	3/10/2011	1.11	0.06	0.772	0.209
WV-AMERICAN	306	3/28/2011	0.471	0.03	0.659	0.086
WV-AMERICAN	306	4/12/2011	0.752	0.03	0.575	0.142
WV-AMERICAN	306	4/27/2011	0.784	<0.03	0.486	0.085
WV-AMERICAN	306	5/9/2011	0.494	<0.03	0.592	0.146
WV-AMERICAN	306	5/26/2011	0.550	<0.03	0.568	0.233
WV-AMERICAN	306	6/13/2011	0.637	<0.03	0.670	0.055
WV-AMERICAN	306	6/28/2011	0.412	0.05	0.470	0.049

Appendix N: Ohio River Nutrient Data

Location	Mile Point	Date	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate/Nitrite-Nitrogen (mg/L)	Total Phosphorus (mg/L)
N. KENTUCKY	462.9	5/5/2008	0.351	0.04	0.543	<0.010
N. KENTUCKY	462.9	6/16/2008	0.708	0.07	1.25	0.024
N. KENTUCKY	462.9	7/7/2008	0.525	0.05	1.08	0.031
N. KENTUCKY	462.9	8/4/2008	0.217	0.05	0.764	0.025
N. KENTUCKY	462.9	8/19/2008	0.499	0.03	0.519	<0.010
N. KENTUCKY	462.9	9/2/2008	0.607	0.07	0.508	0.013
N. KENTUCKY	462.9	10/6/2008	0.577	0.06	0.594	0.032
N. KENTUCKY	462.9	10/20/2008	0.404	0.11	0.686	0.052
N. KENTUCKY	462.9	12/1/2008	0.281	0.07	1.13	0.040
N. KENTUCKY	462.9	12/16/2008	1.48	0.12	0.993	0.237
N. KENTUCKY	462.9	1/5/2009	0.512	0.08	1.10	0.110
N. KENTUCKY	462.9	3/4/2009	0.498	0.08	0.992	0.120
N. KENTUCKY	462.9	4/21/2009	0.418	0.09	0.756	0.03
N. KENTUCKY	462.9	6/2/2009	0.409	0.05	1.03	0.072
N. KENTUCKY	462.9	7/7/2009	0.405	0.06	0.928	0.052
N. KENTUCKY	462.9	7/21/2009	0.457	0.07	0.817	0.054
N. KENTUCKY	462.9	8/6/2009	0.595	<0.03	0.589	0.104
N. KENTUCKY	462.9	8/18/2009	0.431	0.05	0.655	0.055
N. KENTUCKY	462.9	9/9/2009	0.406	<0.03	0.631	0.028
N. KENTUCKY	462.9	12/15/2009	0.877	0.05	0.843	0.214
N. KENTUCKY	462.9	1/6/2010	0.578	0.05	0.888	0.076
N. KENTUCKY	462.9	1/20/2010	0.541	0.06	0.850	0.108
N. KENTUCKY	462.9	2/3/2010	0.654	0.06	0.983	0.207
N. KENTUCKY	462.9	2/23/2010	0.505	0.05	0.802	0.098
N. KENTUCKY	462.9	3/2/2010	0.371	0.07	0.886	0.119
N. KENTUCKY	462.9	3/16/2010	0.828	0.04	0.931	0.216
N. KENTUCKY	462.9	4/6/2010	0.528	0.05	0.857	0.050
N. KENTUCKY	462.9	5/18/2010	0.733	<0.03	0.789	0.039
N. KENTUCKY	462.9	6/8/2010	0.893	<0.03	1.20	0.086
N. KENTUCKY	462.9	6/30/2010	1.15	<0.03	0.954	0.080
N. KENTUCKY	462.9	7/15/2010	0.582	<0.03	0.956	0.152
N. KENTUCKY	462.9	7/29/2010	0.636	<0.03	0.738	0.060
N. KENTUCKY	462.9	8/2/2010	0.541	<0.03	0.513	0.039
N. KENTUCKY	462.9	8/16/2010	0.520	<0.03	0.628	0.037
N. KENTUCKY	462.9	9/20/2010	0.709	<0.03	0.665	0.029
N. KENTUCKY	462.9	10/4/2010	1.68	0.03	0.468	0.038
N. KENTUCKY	462.9	10/18/2010	1.06	<0.03	0.645	0.024
N. KENTUCKY	462.9	11/1/2010	0.198	<0.03	0.832	0.021
N. KENTUCKY	462.9	11/15/2010	0.328	<0.03	0.902	0.018
N. KENTUCKY	462.9	12/6/2010	1.12	0.05	0.670	0.323
N. KENTUCKY	462.9	12/20/2010	0.781	0.04	0.822	0.043
N. KENTUCKY	462.9	1/3/2011	0.528	0.07	0.975	0.046
N. KENTUCKY	462.9	1/17/2011	0.522	0.11	0.879	0.062
N. KENTUCKY	462.9	2/9/2011	0.678	0.08	0.993	0.094
N. KENTUCKY	462.9	2/21/2011	0.472	0.10	1.24	0.073
N. KENTUCKY	462.9	3/7/2011	0.927	0.06	1.13	0.218
N. KENTUCKY	462.9	3/21/2011	0.800	0.03	1.03	0.113
N. KENTUCKY	462.9	4/4/2011	0.519	0.03	0.798	0.047
N. KENTUCKY	462.9	4/18/2011	0.478	<0.03	0.601	0.055
N. KENTUCKY	462.9	5/2/2011	0.405	0.05	0.709	0.052
N. KENTUCKY	462.9	5/17/2011	0.699	<0.03	0.699	0.075
N. KENTUCKY	462.9	6/6/2011	0.504	0.03	0.750	0.071
N. KENTUCKY	462.9	6/16/2011	0.493	0.07	0.684	0.029
N. KENTUCKY	462.9	6/20/2011	0.374	0.05	0.744	0.073
N. KENTUCKY	462.9	7/5/2011	0.25	0.060	1.2	0.034
LOUISVILLE	600	1/7/2008	0.280	<0.03	1.52	0.026
LOUISVILLE	600	1/22/2008	0.305	<0.03	1.60	0.044
LOUISVILLE	600	2/18/2008	0.415	<0.03	1.44	0.076
LOUISVILLE	600	3/3/2008	0.284	<0.03	1.29	0.072
LOUISVILLE	600	5/6/2008	0.414	0.05	0.731	0.025
LOUISVILLE	600	5/19/2008	0.646	0.05	0.852	0.122
LOUISVILLE	600	6/2/2008	0.309	0.08	0.8	<0.010
LOUISVILLE	600	6/16/2008	0.646	0.07	1.58	0.037
LOUISVILLE	600	7/7/2008	0.42	0.08	1.22	0.064
LOUISVILLE	600	7/21/2008	0.473	0.04	1.21	0.09
LOUISVILLE	600	8/4/2008	0.179	0.05	1.04	0.87
LOUISVILLE	600	8/18/2008	0.602	0.04	0.643	0.067
LOUISVILLE	600	9/8/2008	0.557	0.05	0.838	0.014
LOUISVILLE	600	9/22/2008	0.571	0.04	1	0.032
LOUISVILLE	600	10/6/2008	0.425	<0.03	1.12	0.040
LOUISVILLE	600	10/19/2008	0.283	0.06	1.47	0.042
LOUISVILLE	600	11/17/2008	0.277	0.06	1.23	0.053
LOUISVILLE	600	1/8/2009	0.640	0.07	1.49	0.079
LOUISVILLE	600	2/16/2009	0.435	0.07	1.50	0.169
LOUISVILLE	600	3/2/2009	0.456	0.06	1.21	0.106
LOUISVILLE	600	3/16/2009	0.382	0.08	1.12	0.080
LOUISVILLE	600	4/7/2009	0.471	0.07	0.811	0.147
LOUISVILLE	600	5/4/2009	0.573	0.07	1.11	0.066
LOUISVILLE	600	6/1/2009	0.412	<0..03	0.807	0.102
LOUISVILLE	600	6/15/2009	0.589	<0.03	0.827	0.144
LOUISVILLE	600	7/6/2009	0.570	0.06	1.21	0.096
LOUISVILLE	600	7/20/2009	0.409	0.05	1.03	0.072
LOUISVILLE	600	8/5/2009	0.542	0.03	0.781	0.138
LOUISVILLE	600	8/17/2009	0.475	0.04	0.794	0.070
LOUISVILLE	600	9/8/2009	0.370	0.08	0.764	0.039
LOUISVILLE	600	9/21/2009	0.451	0.05	0.994	0.079
LOUISVILLE	600	10/19/2009	0.663	0.04	1.00	0.140
LOUISVILLE	600	11/2/2009	0.589		0.929	<0.03
LOUISVILLE	600	11/16/2009	0.673	0.07	0.996	0.065
LOUISVILLE	600	12/7/2009	0.610	0.09	0.891	0.076
LOUISVILLE	600	4/19/2010	0.377	<0.03	1.07	0.050
LOUISVILLE	600	5/3/2010	0.883	<0.03	0.682	0.288
LOUISVILLE	600	5/17/2010	0.568	<0.03	0.958	0.061
LOUISVILLE	600	6/16/2010	0.638	<0.03	1.45	0.126
LOUISVILLE	600	7/8/2010	0.659	0.03	1.03	0.108
LOUISVILLE	600	7/19/2010	0.442	<0.03	1.18	0.161
LOUISVILLE	600	8/1/2010	0.701	<0.03	0.909	0.061
LOUISVILLE	600	8/16/2010	0.487	<0.03	0.778	0.075
LOUISVILLE	600	9/7/2010	0.401	<0.03	0.744	<0.010
LOUISVILLE	600	9/21/2010	0.479	<0.03	0.877	0.046
LOUISVILLE	600	10/4/2010	0.275	<0.03	0.993	0.050
LOUISVILLE	600	10/19/2010	0.362	<0.03	0.928	0.045
LOUISVILLE	600	11/19/2010	0.362	<0.03	0.928	0.045
LOUISVILLE	600	3/21/2011	0.576	<0.03	1.15	0.078
LOUISVILLE	600	4/4/2011	0.370	<0.03	0.957	0.044
LOUISVILLE	600	6/7/2011	0.788	<0.03	0.843	0.079
LOUISVILLE	600	6/22/2011	0.516	0.04	1.01	0.092

Appendix N: Ohio River Nutrient Data

Location	Mile Point	Date	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate/Nitrite-Nitrogen (mg/L)	Total Phosphorus (mg/L)
EVANSVILLE	791.5	1/7/2008	0.654	0.07	1.63	0.177
EVANSVILLE	791.5	1/22/2008	0.419	<0.03	1.43	0.173
EVANSVILLE	791.5	2/5/2008	0.665	<0.03	1.33	0.255
EVANSVILLE	791.5	2/19/2008	0.880	<0.03	1.20	0.267
EVANSVILLE	791.5	3/12/2008	0.58	0.1	1.2	0.17
EVANSVILLE	791.5	3/17/2008	0.63	0.05	1.21	0.141
EVANSVILLE	791.5	4/7/2008	0.656	0.05	0.783	0.205
EVANSVILLE	791.5	5/7/2008	0.707	0.06	0.793	0.086
EVANSVILLE	791.5	5/27/2008	0.751	0.06	0.891	0.399
EVANSVILLE	791.5	6/10/2008	1.58	0.07	1.28	0.545
EVANSVILLE	791.5	6/17/2008	0.622	0.05	1.28	0.095
EVANSVILLE	791.5	7/7/2008	0.737	0.11	1.37	0.118
EVANSVILLE	791.5	7/21/2008	0.466	0.05	1.03	0.056
EVANSVILLE	791.5	8/5/2008	0.355	0.05	1.41	0.054
EVANSVILLE	791.5	8/18/2008	0.675	0.04	1.08	0.041
EVANSVILLE	791.5	9/8/2008	0.874	0.05	0.998	0.037
EVANSVILLE	791.5	9/22/2008	0.661	<0.03	1.07	0.041
EVANSVILLE	791.5	10/6/2008	0.748	0.04	0.863	0.035
EVANSVILLE	791.5	10/21/2008	0.541	0.06	1.10	0.025
EVANSVILLE	791.5	11/18/2008	0.461	0.06	1.38	0.072
EVANSVILLE	791.5	12/1/2008	0.304	0.12	1.13	0.076
EVANSVILLE	791.5	12/15/2008	0.818	0.08	1.36	0.204
EVANSVILLE	791.5	1/5/2009	1.01	0.11	1.31	0.298
EVANSVILLE	791.5	1/20/2009	0.546	0.07	0.931	0.178
EVANSVILLE	791.5	2/2/2009	0.879	0.08	1.34	0.299
EVANSVILLE	791.5	2/17/2009	0.962	0.13	1.47	0.343
EVANSVILLE	791.5	3/2/2009	0.638	0.13	1.37	0.193
EVANSVILLE	791.5	3/16/2009	0.450	0.11	1.50	0.133
EVANSVILLE	791.5	4/6/2009	0.813	0.07	0.893	0.185
EVANSVILLE	791.5	4/20/2009	0.697	0.08	0.895	0.168
EVANSVILLE	791.5	5/4/2009	0.54	0.07	1.1	0.094
EVANSVILLE	791.5	5/18/2009	1.58	0.04	0.5	0.473
EVANSVILLE	791.5	6/1/2009	0.588	0.08	1.16	0.120
EVANSVILLE	791.5	6/15/2009	0.567	0.05	0.939	0.135
EVANSVILLE	791.5	7/21/2009	0.447	0.06	0.784	0.078
EVANSVILLE	791.5	8/4/2009	0.755	<0.03	0.995	0.204
EVANSVILLE	791.5	8/18/2009	0.493	0.05	0.919	0.112
EVANSVILLE	791.5	9/14/2009	0.730	0.09	0.774	0.063
EVANSVILLE	791.5	9/21/2009	0.533	0.05	0.846	0.083
EVANSVILLE	791.5	10/5/2009	0.754	0.04	1.04	0.120
EVANSVILLE	791.5	10/20/2009	0.801	0.03	0.993	0.139
EVANSVILLE	791.5	11/2/2009	1.05	0.04	0.961	0.232
EVANSVILLE	791.5	11/17/2009	0.644	0.10	1.16	0.108
EVANSVILLE	791.5	12/1/2009	0.539	0.07	1.24	0.059
EVANSVILLE	791.5	12/15/2009	1.43	0.07	1.00	0.791
EVANSVILLE	791.5	1/4/2010	1.03	0.05	0.942	0.176
EVANSVILLE	791.5	1/19/2010	0.475	0.07	1.17	0.077
EVANSVILLE	791.5	2/2/2010	0.758	0.06	1.01	0.311
EVANSVILLE	791.5	2/16/2010	0.945	0.06	0.832	0.254
EVANSVILLE	791.5	3/2/2010	0.617	0.07	0.978	0.320
EVANSVILLE	791.5	3/16/2010	1.13	0.07	1.60	0.309
EVANSVILLE	791.5	4/12/2010	0.667	0.06	0.940	0.083
EVANSVILLE	791.5	4/21/2010	0.621	0.03	1.07	0.070
EVANSVILLE	791.5	5/4/2010	1.08	0.04	0.819	0.359
EVANSVILLE	791.5	5/18/2010	1.16	<0.03	0.824	0.239
EVANSVILLE	791.5	6/7/2010	0.641	<0.03	1.54	0.149
EVANSVILLE	791.5	6/15/2010	0.793	<0.03	1.21	0.219
EVANSVILLE	791.5	7/7/2010	0.618	<0.03	1.24	0.062
EVANSVILLE	791.5	7/20/2010	0.536	<0.03	1.27	0.102
EVANSVILLE	791.5	8/3/2010	0.664	<0.03	0.740	0.066
EVANSVILLE	791.5	8/17/2010	0.790	<0.03	0.781	0.090
EVANSVILLE	791.5	9/13/2010	0.979	<0.03	0.880	0.089
EVANSVILLE	791.5	9/21/2010	0.497	<0.03	0.742	0.078
EVANSVILLE	791.5	10/6/2010	0.470	<0.03	0.828	0.085
EVANSVILLE	791.5	10/19/2010	0.453	<0.03	1.02	0.041
EVANSVILLE	791.5	11/2/2010	0.371	0.03	1.14	0.084
EVANSVILLE	791.5	11/16/2010	0.344	<0.03	0.905	0.070
EVANSVILLE	791.5	12/13/2010	0.969	0.06	0.887	0.214
EVANSVILLE	791.5	12/22/2010	1.00	0.08	1.02	0.210
EVANSVILLE	791.5	1/5/2011	1.08	0.27	1.06	0.138
EVANSVILLE	791.5	1/18/2011	0.711	0.14	1.11	0.070
EVANSVILLE	791.5	2/1/2011	0.666	0.18	1.42	0.099
EVANSVILLE	791.5	2/22/2011	0.707	0.11	1.38	0.123
EVANSVILLE	791.5	3/8/2011	1.12	0.05	1.37	0.181
EVANSVILLE	791.5	3/22/2011	0.820	0.03	1.08	0.105
EVANSVILLE	791.5	4/5/2011	1.05	0.05	0.862	0.196
EVANSVILLE	791.5	4/19/2011	0.590	0.03	0.859	0.129
EVANSVILLE	791.5	5/3/2011	1.08	0.04	0.815	0.124
EVANSVILLE	791.5	5/23/2011	0.601	<0.03	0.846	0.160
EVANSVILLE	791.5	6/6/2011	0.785	0.05	0.995	0.123
EVANSVILLE	791.5	6/21/2011	0.595	0.07	1.26	0.128
EVANSVILLE	791.5	7/12/2011	0.35	0.030	1.7	0.084
EVANSVILLE	791.5	7/26/2011	0.19	0.040	1.2	0.062
PADUCAH	935.5	1/7/2008	1.56	0.08	1.20	0.435
PADUCAH	935.5	1/28/2008	1.03	<0.03	0.826	0.343
PADUCAH	935.5	2/7/2008	0.837	<0.03	0.894	0.413
PADUCAH	935.5	2/20/2008	1.55	<0.03	0.995	0.649
PADUCAH	935.5	3/5/2008	0.671	0.04	0.583	0.165
PADUCAH	935.5	3/19/2008	0.386	<0.03	0.497	0.11
PADUCAH	935.5	5/6/2008	1.43	0.1	0.565	0.359
PADUCAH	935.5	5/21/2008	2.77	0.03	0.485	0.486
PADUCAH	935.5	6/3/2008	1.16	0.15	0.627	0.541
PADUCAH	935.5	6/19/2008	0.906	0.07	1.12	0.173
PADUCAH	935.5	7/7/2008	1.38	0.16	1.69	0.523
PADUCAH	935.5	8/4/2008	0.607	0.10	0.631	0.157
PADUCAH	935.5	8/18/2008	0.577	0.04	<0.100	0.058
PADUCAH	935.5	9/8/2008	0.674	0.06	0.192	0.06
PADUCAH	935.5	9/22/2008	0.86	0.03	0.733	0.066
PADUCAH	935.5	10/6/2008	1.01	0.07	0.483	0.159
PADUCAH	935.5	10/20/2008	0.577	0.07	0.510	0.071
PADUCAH	935.5	11/3/2008	0.733	0.11	<0.100	0.062
PADUCAH	935.5	11/17/2008	0.507	0.10	0.602	0.077
PADUCAH	935.5	12/1/2008	0.429	0.06	1.08	0.091
PADUCAH	935.5	1/6/2009	1.10	0.13	0.909	0.389
PADUCAH	935.5	1/20/2009	4.46	0.06	0.706	1.50
PADUCAH	935.5	2/10/2009	4.46	0.14	1.11	1.85
PADUCAH	935.5	2/18/2009	4.29	0.07	1.15	1.97
PADUCAH	935.5	3/4/2009	1.87	0.07	1.44	1.17

Appendix N: Ohio River Nutrient Data

Location	Mile Point	Date	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate/Nitrite-Nitrogen (mg/L)	Total Phosphorus (mg/L)
PADUCAH	935.5	3/16/2009	2.02	0.11	1.81	1.55
PADUCAH	935.5	4/7/2009	0.573	0.08	0.53	0.109
PADUCAH	935.5	4/20/2009	0.37	0.06	0.858	0.333
PADUCAH	935.5	5/18/2009	3.63	0.06	0.71	1.39
PADUCAH	935.5	6/16/2009	1.43	<0.03	0.670	1.30
PADUCAH	935.5	7/6/2009	1.03	0.22	1.00	0.582
PADUCAH	935.5	7/20/2009	1.94	0.06	0.398	0.258
PADUCAH	935.5	8/19/2009	0.727	0.07	0.603	0.122
PADUCAH	935.5	9/15/2009	1.06	0.18	0.259	0.870
PADUCAH	935.5	10/5/2009	0.726	0.04	0.585	0.354
PADUCAH	935.5	10/20/2009	0.799	0.03	0.425	0.134
PADUCAH	935.5	11/2/2009	0.571	0.07	0.451	0.098
PADUCAH	935.5	11/16/2009	0.566	0.05	0.367	0.077
PADUCAH	935.5	12/7/2009	0.441	0.05	0.370	0.058
PADUCAH	935.5	12/17/2009	0.671	0.05	0.509	0.100
PADUCAH	935.5	1/4/2010	0.660	0.04	0.459	0.120
PADUCAH	935.5	1/19/2010	0.343	0.03	0.369	0.068
PADUCAH	935.5	2/2/2010	0.502	<0.03	0.553	0.096
PADUCAH	935.5	2/15/2010	0.772	<0.03	0.465	0.231
PADUCAH	935.5	3/2/2010	0.513	<0.03	0.503	0.158
PADUCAH	935.5	3/16/2010	0.610	<0.03	0.362	0.137
PADUCAH	935.5	4/6/2010	0.861	<0.03	0.324	0.082
PADUCAH	935.5	4/20/2010	0.655	0.08	0.468	0.092
PADUCAH	935.5	5/5/2010	0.498	0.04	0.258	0.169
PADUCAH	935.5	5/19/2010	1.37	<0.03	0.335	0.601
PADUCAH	935.5	6/8/2010	0.649	0.06	0.293	0.102
PADUCAH	935.5	6/28/2010	1.09	<0.03	0.216	0.083
PADUCAH	935.5	7/8/2010	0.603	0.05	<0.100	0.069
PADUCAH	935.5	7/20/2010	0.508	0.07	<0.100	0.080
PADUCAH	935.5	8/5/2010	0.685	<0.03	<0.100	0.040
PADUCAH	935.5	9/7/2010	0.792	0.03	<0.100	0.026
PADUCAH	935.5	9/20/2010	0.431	0.04	0.303	0.050
PADUCAH	935.5	10/5/2010	0.253	0.03	0.144	0.029
PADUCAH	935.5	10/19/2010	0.405	0.03	0.135	0.088
PADUCAH	935.5	11/1/2010	0.392	0.04	0.204	0.115
PADUCAH	935.5	11/15/2010	0.386	<0.03	0.241	0.104
PADUCAH	935.5	12/6/2010	0.401	0.05	0.239	0.094
PADUCAH	935.5	12/13/2010	0.538	0.04	0.303	0.074
PADUCAH	935.5	1/4/2011	1.05	0.06	0.407	0.121
PADUCAH	935.5	1/18/2011	0.666	0.06	0.417	0.128
PADUCAH	935.5	2/21/2011	0.964	<0.03	0.333	0.060
PADUCAH	935.5	3/7/2011	0.625	0.06	0.414	0.058
PADUCAH	935.5	3/21/2011	0.784	<0.03	0.459	0.111
PADUCAH	935.5	4/4/2011	0.494	<0.03	0.351	0.092
PADUCAH	935.5	4/18/2011	0.343	<0.03	0.341	0.064
PADUCAH	935.5	5/23/2011	0.646	<0.03	0.337	0.264
PADUCAH	935.5	6/6/2011	0.736	0.06	0.346	0.158
PADUCAH	935.5	6/22/2011	0.641	0.03	0.254	0.116
PADUCAH	935.5	7/5/2011	0.23	0.090	0.20	0.071

Appendix O: Integrated Sampling Results

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Ag (ug/L)	<0.1			
			14-Sep-05	5.4		<0.1			
			25-Oct-05	12.3		<0.1			
			02-Nov-06	77.7		<0.1			
Montgomery	19.3		03-Aug-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	23.2		03-Aug-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	27.6		03-Aug-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Ag (ug/L)	<0.1			
			14-Sep-05	5.6		<0.1			
			25-Oct-05	14.5		<0.1			
			02-Nov-06	89.4		<0.1			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Ag (ug/L)	<0.1			
			15-Sep-05	5.9		<0.1			
			26-Oct-05	31.9		<0.1			
			06-Sep-06	43.1		<0.1			
Willow Island	132.4		01-Sep-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	138.9		01-Sep-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	145.2		01-Sep-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	150.8		01-Sep-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	157.4		01-Sep-05	0	Ag (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Ag (ug/L)	<0.1			
			15-Sep-05	11.9		<0.1			
			26-Oct-05	52.5		<0.1			
			06-Sep-06	42.9		<0.1			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Ag (ug/L)	<0.1			
			07-Aug-07	31.8		<0.1			
Newburgh	725		09-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	736.7		09-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	747.3		09-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	754.9		09-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	762.3		10-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	772		10-May-06	0	Ag (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Ag (ug/L)	<0.1			
			08-Aug-07	52.7		<0.1			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Al (ug/L)	22.44			
			14-Sep-05	5.4		23.37			
			25-Oct-05	12.3		11.49			
			02-Nov-06	77.7		221.77			

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	19.3		03-Aug-05	0	Al (ug/L)		27.35	25.63	24.75
			14-Sep-05	0			24.44	26.42	33.34
			25-Oct-05	0			11.07	10.73	10
			02-Nov-06	0			22.75	23.7	21.71
Montgomery	23.2		03-Aug-05	0	Al (ug/L)		29.16	26.54	28.84
			14-Sep-05	0			19.33	23.82	20.75
			25-Oct-05	0			10.42	9.78	9.86
			02-Nov-06	0			20.63	22.18	20.26
Montgomery	27.6		03-Aug-05	0	Al (ug/L)		25.66	24.05	23.73
			14-Sep-05	0			18.71	14.29	15.02
			25-Oct-05	0			10.08	9.31	9.52
			02-Nov-06	0			18.48	22.39	17.12
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Al (ug/L)	28.1			
			14-Sep-05	5.6		15.83			
			25-Oct-05	14.5		8.59			
			02-Nov-06	89.4		18.45			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Al (ug/L)	14.1			
			15-Sep-05	5.9		15.12			
			26-Oct-05	31.9		12.72			
			06-Sep-06	43.1		11.98			
Willow Island	132.4		01-Sep-05	0	Al (ug/L)		14.99	14.88	15.6
			15-Sep-05	0			13.31	15.17	12.45
			26-Oct-05	0			11.05	12.39	11.54
			06-Sep-06	0			11.79	11.87	10.76
Willow Island	138.9		01-Sep-05	0	Al (ug/L)		16.6	15.74	14.94
			15-Sep-05	0			11.41	12.21	12.8
			26-Oct-05	0			9.3	10.38	10.91
			06-Sep-06	0			11.14	10.85	10.81
Willow Island	145.2		01-Sep-05	0	Al (ug/L)		14.64	14.23	13.54
			15-Sep-05	0			11.08	10.34	11.88
			26-Oct-05	0			8.86	8.78	9.02
			06-Sep-06	0			10.6	10.74	10.58
Willow Island	150.8		01-Sep-05	0	Al (ug/L)		13.79	14.81	12.37
			15-Sep-05	0			10.73	9.48	10.53
			26-Oct-05	0			8.41	6.73	8.68
			06-Sep-06	0			9.16	9.43	8.85
Willow Island	157.4		01-Sep-05	0	Al (ug/L)		12.85	13.21	13.59
			15-Sep-05	0			11.27	9.92	11.23
			26-Oct-05	0			8.05	7.45	8.83
			06-Sep-06	0			9.53	8.23	9.35
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Al (ug/L)	12.55			
			15-Sep-05	11.9		11.39			
			26-Oct-05	52.5		7.64			
			06-Sep-06	42.9		9.79			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Al (ug/L)	6.91			
			07-Aug-07	31.8		5.32			
Newburgh	725		09-May-06	0	Al (ug/L)		6.69	6.84	6.77
			07-Aug-07	0			6.46	4.81	5.62
Newburgh	736.7		09-May-06	0	Al (ug/L)		7.58	6.77	6.5
			07-Aug-07	0			6.2	5.5	5.73
Newburgh	747.3		09-May-06	0	Al (ug/L)		6.24	7.55	7.87
			07-Aug-07	0			4.31	3.88	4.51
Newburgh	754.9		09-May-06	0	Al (ug/L)		6.43	6.32	7.72
			07-Aug-07	0			4.23	5.78	5.73
Newburgh	762.3		10-May-06	0	Al (ug/L)		6.15	5.98	6.19
			08-Aug-07	0			5.14	5.92	5.03
Newburgh	772		10-May-06	0	Al (ug/L)		6.36	6.65	6.93
			08-Aug-07	0			5.76	6.5	5.66
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Al (ug/L)	11.67			
			08-Aug-07	52.7		7.7			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	As (ug/L)	0.57			
			14-Sep-05	5.4		0.56			
			25-Oct-05	12.3		0.6			
			02-Nov-06	77.7		0.36			
Montgomery	19.3		03-Aug-05	0	As (ug/L)		0.55	0.59	0.57
			14-Sep-05	0			0.53	0.55	0.55
			25-Oct-05	0			0.6	0.68	0.6
			02-Nov-06	0			0.34	0.4	0.36

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	23.2		03-Aug-05	0	As (ug/L)		0.54	0.51	0.51
			14-Sep-05	0			0.63	0.6	0.55
			25-Oct-05	0			0.57	0.62	0.65
			02-Nov-06	0			0.26	0.52	0.33
Montgomery	27.6		03-Aug-05	0	As (ug/L)		0.71	0.69	0.74
			14-Sep-05	0			0.71	0.84	0.95
			25-Oct-05	0			0.76	0.7	0.69
			02-Nov-06	0			0.41	0.38	0.58
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	As (ug/L)	0.73			
			14-Sep-05	5.6		0.73			
			25-Oct-05	14.5		0.73			
			02-Nov-06	89.4		0.4			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	As (ug/L)	0.75			
			15-Sep-05	5.9		0.78			
			26-Oct-05	31.9		0.98			
			06-Sep-06	43.1		0.73			
Willow Island	132.4		01-Sep-05	0	As (ug/L)		0.79	0.72	0.79
			15-Sep-05	0			0.72	0.9	0.72
			26-Oct-05	0			0.81	0.81	0.8
			06-Sep-06	0			0.74	0.72	0.72
Willow Island	138.9		01-Sep-05	0	As (ug/L)		0.79	0.74	0.79
			15-Sep-05	0			0.82	0.73	0.77
			26-Oct-05	0			0.8	0.93	0.99
			06-Sep-06	0			0.71	0.75	0.71
Willow Island	145.2		01-Sep-05	0	As (ug/L)		0.74	0.81	0.78
			15-Sep-05	0			0.82	0.84	0.86
			26-Oct-05	0			0.89	0.87	0.9
			06-Sep-06	0			0.73	0.74	0.71
Willow Island	150.8		01-Sep-05	0	As (ug/L)		0.76	0.73	0.74
			15-Sep-05	0			0.83	0.8	0.8
			26-Oct-05	0			0.84	0.77	0.92
			06-Sep-06	0			0.73	0.77	0.77
Willow Island	157.4		01-Sep-05	0	As (ug/L)		0.75	0.77	0.71
			15-Sep-05	0			0.79	0.81	0.83
			26-Oct-05	0			0.8	0.87	0.77
			06-Sep-06	0			0.69	0.76	0.75
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	As (ug/L)	0.77			
			15-Sep-05	11.9		0.81			
			26-Oct-05	52.5		0.83			
			06-Sep-06	42.9		0.76			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	As (ug/L)	0.54			
			07-Aug-07	31.8		1.1			
Newburgh	725		09-May-06	0	As (ug/L)		0.61	0.51	0.51
			07-Aug-07	0			1.11	0.96	0.97
Newburgh	736.7		09-May-06	0	As (ug/L)		0.55	0.55	0.58
			07-Aug-07	0			0.92	1.05	1.05
Newburgh	747.3		09-May-06	0	As (ug/L)		0.54	0.58	0.58
			07-Aug-07	0			1.01	0.91	0.88
Newburgh	754.9		09-May-06	0	As (ug/L)		0.6	0.52	0.57
			07-Aug-07	0			0.85	1.02	1.03
Newburgh	762.3		10-May-06	0	As (ug/L)		0.53	0.42	0.6
			08-Aug-07	0			1.07	0.89	0.89
Newburgh	772		10-May-06	0	As (ug/L)		0.57	0.59	0.52
			08-Aug-07	0			0.87	1.01	0.96
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	As (ug/L)	0.67			
			08-Aug-07	52.7		0.99			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Ba (ug/L)	48.26			
			14-Sep-05	5.4		38.12			
			25-Oct-05	12.3		42.74			
			02-Nov-06	77.7		35.98			
Montgomery	19.3		03-Aug-05	0	Ba (ug/L)		48.87	48.72	47.34
			14-Sep-05	0			43.39	39.89	32.54
			25-Oct-05	0			47.13	45.99	44.18
			02-Nov-06	0			32.88	32.66	31.16
Montgomery	23.2		03-Aug-05	0	Ba (ug/L)		46.75	42.73	44.62
			14-Sep-05	0			30.81	32.86	37.58
			25-Oct-05	0			43.81	42.86	42.38
			02-Nov-06	0			30.28	31.62	28.39

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	27.6		03-Aug-05	0	Ba (ug/L)		41.42	45.15	43.27
			14-Sep-05	0			34.98	34.4	30.79
			25-Oct-05	0			42.63	43.16	43.33
			02-Nov-06	0			30.39	33.25	28.88
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Ba (ug/L)	44.28			
			14-Sep-05	5.6		36.67			
			25-Oct-05	14.5		40.32			
			02-Nov-06	89.4		35.54			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Ba (ug/L)	47.02			
			15-Sep-05	5.9		49.18			
			26-Oct-05	31.9		38.3			
			06-Sep-06	43.1		41.83			
Willow Island	132.4		01-Sep-05	0	Ba (ug/L)		51.35	50.87	52.06
			15-Sep-05	0			44.3	44.52	36.93
			26-Oct-05	0			40.21	39.92	39.77
			06-Sep-06	0			41.57	40.93	41.61
Willow Island	138.9		01-Sep-05	0	Ba (ug/L)		52.19	51.58	53.03
			15-Sep-05	0			42.49	42.65	41.41
			26-Oct-05	0			37.62	40.06	40.51
			06-Sep-06	0			42.96	42.57	40.31
Willow Island	145.2		01-Sep-05	0	Ba (ug/L)		50.48	52.74	48.5
			15-Sep-05	0			42.17	40.15	41.85
			26-Oct-05	0			42.47	42.63	42.11
			06-Sep-06	0			45.22	43.99	44.76
Willow Island	150.8		01-Sep-05	0	Ba (ug/L)		47.79	52.45	44.56
			15-Sep-05	0			38.72	39.95	42.79
			26-Oct-05	0			43.23	36.35	42.36
			06-Sep-06	0			45.73	45.28	46.1
Willow Island	157.4		01-Sep-05	0	Ba (ug/L)		53.97	53.68	47.85
			15-Sep-05	0			39.96	41.7	42.85
			26-Oct-05	0			44.12	43.67	43.21
			06-Sep-06	0			46.14	45.88	46.54
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Ba (ug/L)	51.5			
			15-Sep-05	11.9		48.47			
			26-Oct-05	52.5		40.55			
			06-Sep-06	42.9		45.46			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Ba (ug/L)	31.51			
			07-Aug-07	31.8		54.34			
Newburgh	725		09-May-06	0	Ba (ug/L)		33.05	32.07	32.18
			07-Aug-07	0			54.96	45.83	52.05
Newburgh	736.7		09-May-06	0	Ba (ug/L)		33.42	33.47	32.63
			07-Aug-07	0			47.51	50.29	51.27
Newburgh	747.3		09-May-06	0	Ba (ug/L)		32.38	33.21	32.28
			07-Aug-07	0			51.87	48.08	48.81
Newburgh	754.9		09-May-06	0	Ba (ug/L)		33.85	33.07	34.01
			07-Aug-07	0			43.75	52.01	49.96
Newburgh	762.3		10-May-06	0	Ba (ug/L)		34.61	33.72	35.13
			08-Aug-07	0			51.3	46.93	45.51
Newburgh	772		10-May-06	0	Ba (ug/L)		33.55	34.36	34.19
			08-Aug-07	0			47.59	52.81	45.57
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Ba (ug/L)	35.59			
			08-Aug-07	52.7		50.19			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Ca (mg/L)	36.53			
			14-Sep-05	5.4		33.47			
			25-Oct-05	12.3		46.2			
			02-Nov-06	77.7		22.22			
Montgomery	19.3		03-Aug-05	0	Ca (mg/L)		43.72	40.88	38.67
			14-Sep-05	0			40.69	41.49	40.83
			25-Oct-05	0			38.77	38.19	38
			02-Nov-06	0			21.85	19	17.51
Montgomery	23.2		03-Aug-05	0	Ca (mg/L)		38.45	36.76	42.15
			14-Sep-05	0			36.36	39.22	33.51
			25-Oct-05	0			39.19	38.2	38.35
			02-Nov-06	0			20.58	18.46	15.06
Montgomery	27.6		03-Aug-05	0	Ca (mg/L)		36.65	34.04	36.21
			14-Sep-05	0			42.62	41.57	39.8
			25-Oct-05	0			40.5	38.27	39.19
			02-Nov-06	0			20.72	21.52	25.17

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Ca (mg/L)	35.71			
			14-Sep-05	5.6		31.38			
			25-Oct-05	14.5		46.08			
			02-Nov-06	89.4		19.7			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Ca (mg/L)	38.35			
			15-Sep-05	5.9		42.83			
			26-Oct-05	31.9		47.65			
			06-Sep-06	43.1		31.85			
Willow Island	132.4		01-Sep-05	0	Ca (mg/L)		51.25	48.46	47.93
			15-Sep-05	0			40.53	55	50.09
			26-Oct-05	0			37.81	38.59	40.6
			06-Sep-06	0			31.09	31.65	30.64
Willow Island	138.9		01-Sep-05	0	Ca (mg/L)		49.11	39.34	46.06
			15-Sep-05	0			54.04	54.94	54.68
			26-Oct-05	0			37.14	40.35	39.02
			06-Sep-06	0			30.64	31.2	28.96
Willow Island	145.2		01-Sep-05	0	Ca (mg/L)		50.64	51.98	49.8
			15-Sep-05	0			54.53	58.88	53.25
			26-Oct-05	0			39.08	40.33	40.57
			06-Sep-06	0			33.17	32.11	35.24
Willow Island	150.8		01-Sep-05	0	Ca (mg/L)		38.17	51.28	49.05
			15-Sep-05	0			54.15	54.07	56.3
			26-Oct-05	0			43.47	35.11	41.02
			06-Sep-06	0			32.7	32.47	33.98
Willow Island	157.4		01-Sep-05	0	Ca (mg/L)		50.37	52.66	49.93
			15-Sep-05	0			54.06	53.25	56.57
			26-Oct-05	0			40.94	40.23	40.68
			06-Sep-06	0			35.47	33.68	34.02
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Ca (mg/L)	39.77			
			15-Sep-05	11.9		42.06			
			26-Oct-05	52.5		43.18			
			06-Sep-06	42.9		35.48			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Ca (mg/L)	32			
			07-Aug-07	31.8		36.82			
Newburgh	725		09-May-06	0	Ca (mg/L)		30.85	32.13	32.35
			07-Aug-07	0			37.09	30.78	35.21
Newburgh	736.7		09-May-06	0	Ca (mg/L)		33.55	34.45	33.05
			07-Aug-07	0			31.75	33.69	34.25
Newburgh	747.3		09-May-06	0	Ca (mg/L)		32.55	32.53	32.39
			07-Aug-07	0			34.51	30.9	32.17
Newburgh	754.9		09-May-06	0	Ca (mg/L)		32.57	33.71	33.86
			07-Aug-07	0			28.79	34.29	32.54
Newburgh	762.3		10-May-06	0	Ca (mg/L)		33.8	34.96	34.63
			08-Aug-07	0			33.7	30.56	29.53
Newburgh	772		10-May-06	0	Ca (mg/L)		34.29	34.62	35.33
			08-Aug-07	0			31.16	34.78	29.71
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Ca (mg/L)	35.47			
			08-Aug-07	52.7		33.01			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Cd (ug/L)	<0.1			
			14-Sep-05	5.4		<0.1			
			25-Oct-05	12.3		<0.1			
			02-Nov-06	77.7		<0.1			
Montgomery	19.3		03-Aug-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	23.2		03-Aug-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	27.6		03-Aug-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Cd (ug/L)	<0.1			
			14-Sep-05	5.6		<0.1			
			25-Oct-05	14.5		<0.1			
			02-Nov-06	89.4		<0.1			

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Cd (ug/L)	<0.1			
			15-Sep-05	5.9		<0.1			
			26-Oct-05	31.9		<0.1			
			06-Sep-06	43.1		<0.1			
Willow Island	132.4		01-Sep-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	138.9		01-Sep-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	145.2		01-Sep-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	150.8		01-Sep-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	157.4		01-Sep-05	0	Cd (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Cd (ug/L)	<0.1			
			15-Sep-05	11.9		<0.1			
			26-Oct-05	52.5		<0.1			
			06-Sep-06	42.9		<0.1			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Cd (ug/L)	<0.1			
			07-Aug-07	31.8		<0.1			
Newburgh	725		09-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	736.7		09-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	747.3		09-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	754.9		09-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	762.3		10-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	772		10-May-06	0	Cd (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Cd (ug/L)	<0.1			
			08-Aug-07	52.7		<0.1			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Cl (mg/L)	34			
			14-Sep-05	5.4		40			
			25-Oct-05	12.3		48			
			02-Nov-06	77.7		20			
Montgomery	19.3		03-Aug-05	0	Cl (mg/L)		34	34	34
			14-Sep-05	0			42	34	32
			25-Oct-05	0			48	50	44
			02-Nov-06	0			16	16	16
Montgomery	23.2		03-Aug-05	0	Cl (mg/L)		34	32	36
			14-Sep-05	0			36	36	36
			25-Oct-05	0			46	44	44
			02-Nov-06	0			18	14	16
Montgomery	27.6		03-Aug-05	0	Cl (mg/L)		36	36	34
			14-Sep-05	0			40	46	48
			25-Oct-05	0			50	48	50
			02-Nov-06	0			16	20	16
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Cl (mg/L)	36			
			14-Sep-05	5.6		38			
			25-Oct-05	14.5		50			
			02-Nov-06	89.4		20			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Cl (mg/L)	44			
			15-Sep-05	5.9		70			
			26-Oct-05	31.9		46			
			06-Sep-06	43.1		36			

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	132.4		01-Sep-05	0	Cl (mg/L)		46	44	48
			15-Sep-05	0			62	60	60
			26-Oct-05	0			50	54	46
			06-Sep-06	0			36	36	38
Willow Island	138.9		01-Sep-05	0	Cl (mg/L)		48	48	48
			15-Sep-05	0			60	60	62
			26-Oct-05	0			52	48	
			06-Sep-06	0			38	40	38
Willow Island	145.2		01-Sep-05	0	Cl (mg/L)		54	54	52
			15-Sep-05	0			60	50	56
			26-Oct-05	0			50	50	52
			06-Sep-06	0			42	38	40
Willow Island	150.8		01-Sep-05	0	Cl (mg/L)		50	52	52
			15-Sep-05	0			56	56	56
			26-Oct-05	0			52	52	50
			06-Sep-06	0			38	38	40
Willow Island	157.4		01-Sep-05	0	Cl (mg/L)		58	54	56
			15-Sep-05	0			50	56	54
			26-Oct-05	0			54	56	54
			06-Sep-06	0			40	40	40
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Cl (mg/L)	56			
			15-Sep-05	11.9		38			
			26-Oct-05	52.5		58			
			06-Sep-06	42.9		46			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Cl (mg/L)	22			
			07-Aug-07	31.8		44			
Newburgh	725		09-May-06	0	Cl (mg/L)		22	22	20
			07-Aug-07	0			40	38	38
Newburgh	736.7		09-May-06	0	Cl (mg/L)		22	22	20
			07-Aug-07	0			40	36	42
Newburgh	747.3		09-May-06	0	Cl (mg/L)		24	20	22
			07-Aug-07	0			42	40	38
Newburgh	754.9		09-May-06	0	Cl (mg/L)		22	22	22
			07-Aug-07	0			40	40	36
Newburgh	762.3		10-May-06	0	Cl (mg/L)		24	22	22
			08-Aug-07	0			34	40	36
Newburgh	772		10-May-06	0	Cl (mg/L)		22	24	22
			08-Aug-07	0			40	34	44
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Cl (mg/L)	24			
			08-Aug-07	52.7		40			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Cr (ug/L)	<0.1			
			14-Sep-05	5.4		<0.1			
			25-Oct-05	12.3		0.18			
			02-Nov-06	77.7		0.16			
Montgomery	19.3		03-Aug-05	0	Cr (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	0.11
			25-Oct-05	0			0.41	0.19	0.13
			02-Nov-06	0			0.11	<0.1	<0.1
Montgomery	23.2		03-Aug-05	0	Cr (ug/L)		<0.1	0.14	0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			0.12	0.1	<0.1
			02-Nov-06	0			0.34	0.15	0.12
Montgomery	27.6		03-Aug-05	0	Cr (ug/L)		0.26	0.37	0.18
			14-Sep-05	0			<0.1	<0.1	0.14
			25-Oct-05	0			0.15	0.22	0.18
			02-Nov-06	0			0.26	0.11	0.11
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Cr (ug/L)	0.22			
			14-Sep-05	5.6		<0.1			
			25-Oct-05	14.5		0.16			
			02-Nov-06	89.4		0.58			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Cr (ug/L)	0.37			
			15-Sep-05	5.9		0.22			
			26-Oct-05	31.9		0.28			
			06-Sep-06	43.1		0.78			
Willow Island	132.4		01-Sep-05	0	Cr (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	0.65	0.21
			26-Oct-05	0			0.1	0.11	<0.1
			06-Sep-06	0			0.14	0.79	0.56

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	138.9		01-Sep-05	0	Cr (ug/L)		<0.1	<0.1	0.17
			15-Sep-05	0			0.12	<0.1	0.27
			26-Oct-05	0			<0.1	0.16	0.13
			06-Sep-06	0			0.1	<0.1	0.11
Willow Island	145.2		01-Sep-05	0	Cr (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	0.22	0.26
			26-Oct-05	0			0.15	0.21	0.12
			06-Sep-06	0			0.4	0.13	0.13
Willow Island	150.8		01-Sep-05	0	Cr (ug/L)		<0.1	<0.1	0.14
			15-Sep-05	0			0.31	<0.1	0.14
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			0.75	0.59	0.41
Willow Island	157.4		01-Sep-05	0	Cr (ug/L)		0.15	0.15	0.11
			15-Sep-05	0			<0.1	0.13	0.17
			26-Oct-05	0			<0.1	0.16	0.2
			06-Sep-06	0			0.71	0.56	0.34
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Cr (ug/L)	0.14			
			15-Sep-05	11.9		0.11			
			26-Oct-05	52.5		0.34			
			06-Sep-06	42.9		0.23			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Cr (ug/L)	0.12			
			07-Aug-07	31.8		0.27			
Newburgh	725		09-May-06	0	Cr (ug/L)		0.19	0.21	0.23
			07-Aug-07	0			0.28	0.43	0.52
Newburgh	736.7		09-May-06	0	Cr (ug/L)		0.15	0.11	<0.1
			07-Aug-07	0			0.56	0.64	0.29
Newburgh	747.3		09-May-06	0	Cr (ug/L)		0.28	0.37	0.37
			07-Aug-07	0			0.22	0.2	0.28
Newburgh	754.9		09-May-06	0	Cr (ug/L)		0.16	<0.1	0.14
			07-Aug-07	0			0.5	0.62	0.85
Newburgh	762.3		10-May-06	0	Cr (ug/L)		0.11	<0.1	0.12
			08-Aug-07	0			0.38	0.22	0.52
Newburgh	772		10-May-06	0	Cr (ug/L)		0.13	0.11	0.11
			08-Aug-07	0			0.6	0.25	0.34
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Cr (ug/L)	0.12			
			08-Aug-07	52.7		0.26			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Cu (ug/L)	1.3			
			14-Sep-05	5.4		1.52			
			25-Oct-05	12.3		1.62			
			02-Nov-06	77.7		0.94			
Montgomery	19.3		03-Aug-05	0	Cu (ug/L)		1.34	1.37	1.45
			14-Sep-05	0			1.55	1.57	1.77
			25-Oct-05	0			1.74	1.68	1.91
			02-Nov-06	0			0.9	0.86	0.99
Montgomery	23.2		03-Aug-05	0	Cu (ug/L)		1.45	1.29	1.3
			14-Sep-05	0			1.44	1.59	1.69
			25-Oct-05	0			1.75	1.65	1.71
			02-Nov-06	0			0.84	1.11	0.88
Montgomery	27.6		03-Aug-05	0	Cu (ug/L)		1.46	1.56	1.47
			14-Sep-05	0			1.78	1.78	1.75
			25-Oct-05	0			1.66	1.76	1.76
			02-Nov-06	0			0.89	0.93	1.18
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Cu (ug/L)	1.87			
			14-Sep-05	5.6		1.71			
			25-Oct-05	14.5		1.79			
			02-Nov-06	89.4		1			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Cu (ug/L)	2.63			
			15-Sep-05	5.9		2.47			
			26-Oct-05	31.9		2.87			
			06-Sep-06	43.1		1.89			
Willow Island	132.4		01-Sep-05	0	Cu (ug/L)		3.17	2.55	2.68
			15-Sep-05	0			2.41	2.9	2.27
			26-Oct-05	0			2.71	2.9	2.86
			06-Sep-06	0			1.98	2.02	1.86
Willow Island	138.9		01-Sep-05	0	Cu (ug/L)		2.81	2.85	2.87
			15-Sep-05	0			2.36	2.34	2.44
			26-Oct-05	0			2.71	2.89	3
			06-Sep-06	0			1.74	1.81	1.8

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	145.2		01-Sep-05	0	Cu (ug/L)		3.48	3.21	2.86
			15-Sep-05	0			2.49	2.25	2.34
			26-Oct-05	0			2.82	2.91	2.92
			06-Sep-06	0			2.13	1.89	1.82
Willow Island	150.8		01-Sep-05	0	Cu (ug/L)		2.39	2.76	2.69
			15-Sep-05	0			2.17	2.02	2.26
			26-Oct-05	0			2.66	2.16	2.78
			06-Sep-06	0			1.86	1.83	1.92
Willow Island	157.4		01-Sep-05	0	Cu (ug/L)		2.65	2.63	3.15
			15-Sep-05	0			2.15	2.22	2.32
			26-Oct-05	0			2.67	2.63	2.85
			06-Sep-06	0			2.14	1.95	1.95
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Cu (ug/L)	2.39			
			15-Sep-05	11.9		2.34			
			26-Oct-05	52.5		3.2			
			06-Sep-06	42.9		2.05			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Cu (ug/L)	1.22			
			07-Aug-07	31.8		1.75			
Newburgh	725		09-May-06	0	Cu (ug/L)		1.28	1.38	1.12
			07-Aug-07	0			1.84	1.85	1.94
Newburgh	736.7		09-May-06	0	Cu (ug/L)		1.35	1.35	1.3
			07-Aug-07	0			2.2	1.8	2.14
Newburgh	747.3		09-May-06	0	Cu (ug/L)		1.31	1.36	1.47
			07-Aug-07	0			1.88	1.85	1.77
Newburgh	754.9		09-May-06	0	Cu (ug/L)		1.32	1.28	1.29
			07-Aug-07	0			1.44	1.95	1.82
Newburgh	762.3		10-May-06	0	Cu (ug/L)		1.43	1.35	1.32
			08-Aug-07	0			1.93	2.1	2.01
Newburgh	772		10-May-06	0	Cu (ug/L)		1.45	1.54	1.62
			08-Aug-07	0			1.58	1.87	1.74
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Cu (ug/L)	1.45			
			08-Aug-07	52.7		1.96			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Fe (ug/L)	<50			
			14-Sep-05	5.4		69			
			25-Oct-05	12.3		<50			
			02-Nov-06	77.7		79.8			
Montgomery	19.3		03-Aug-05	0	Fe (ug/L)		<50	<50	<50
			14-Sep-05	0			<50	<50	<50
			25-Oct-05	0			<50	<50	<50
			02-Nov-06	0			70.1	85.2	80.2
Montgomery	23.2		03-Aug-05	0	Fe (ug/L)		<50	<50	<50
			14-Sep-05	0			<50	51	<50
			25-Oct-05	0			<50	<50	<50
			02-Nov-06	0			80.6	90.9	88.1
Montgomery	27.6		03-Aug-05	0	Fe (ug/L)		57	53	67
			14-Sep-05	0			<50	<50	<50
			25-Oct-05	0			<50	<50	<50
			02-Nov-06	0			53.2	72.3	90
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Fe (ug/L)	<50			
			14-Sep-05	5.6		<50			
			25-Oct-05	14.5		<50			
			02-Nov-06	89.4		80.2			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Fe (ug/L)	<50			
			15-Sep-05	5.9		<50			
			26-Oct-05	31.9		<50			
			06-Sep-06	43.1		<50			
Willow Island	132.4		01-Sep-05	0	Fe (ug/L)		<50	<50	<50
			15-Sep-05	0			<50	<50	<50
			26-Oct-05	0			<50	<50	<50
			06-Sep-06	0			<50	<50	<50
Willow Island	138.9		01-Sep-05	0	Fe (ug/L)		<50	<50	<50
			15-Sep-05	0			<50	<50	<50
			26-Oct-05	0			<50	<50	<50
			06-Sep-06	0			<50	<50	<50
Willow Island	145.2		01-Sep-05	0	Fe (ug/L)		<50	<50	<50
			15-Sep-05	0			<50	<50	<50
			26-Oct-05	0			<50	<50	<50
			06-Sep-06	0			133.1	<50	<50

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	150.8		01-Sep-05	0	Fe (ug/L)		<50	<50	<50
			15-Sep-05	0			<50	50	<50
			26-Oct-05	0			<50	<50	<50
			06-Sep-06	0			<50	<50	<50
Willow Island	157.4		01-Sep-05	0	Fe (ug/L)		<50	<50	<50
			15-Sep-05	0			<50	50	51
			26-Oct-05	0			<50	<50	<50
			06-Sep-06	0			<50	<50	<50
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Fe (ug/L)	<50			
			15-Sep-05	11.9		<50			
			26-Oct-05	52.5		<50			
			06-Sep-06	42.9		<50			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Fe (ug/L)	<50			
			07-Aug-07	31.8		<50			
Newburgh	725		09-May-06	0	Fe (ug/L)		<50	<50	<50
			07-Aug-07	0			<50	<50	<50
Newburgh	736.7		09-May-06	0	Fe (ug/L)		<50	<50	<50
			07-Aug-07	0			<50	<50	<50
Newburgh	747.3		09-May-06	0	Fe (ug/L)		<50	<50	<50
			07-Aug-07	0			<50	<50	<50
Newburgh	754.9		09-May-06	0	Fe (ug/L)		<50	<50	<50
			07-Aug-07	0			<50	<50	<50
Newburgh	762.3		10-May-06	0	Fe (ug/L)		<50	<50	<50
			08-Aug-07	0			<50	<50	<50
Newburgh	772		10-May-06	0	Fe (ug/L)		<50	<50	<50
			08-Aug-07	0			<50	<50	<50
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Fe (ug/L)	<50			
			08-Aug-07	52.7		<50			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Hardness (mg/L)	144			
			14-Sep-05	5.4		128			
			25-Oct-05	12.3		192			
			02-Nov-06	77.7		80			
Montgomery	19.3		03-Aug-05	0	Hardness (mg/L)		280	120	160
			14-Sep-05	0			120	120	120
			25-Oct-05	0			152	144	148
			02-Nov-06	0			72	68	72
Montgomery	23.2		03-Aug-05	0	Hardness (mg/L)		132	136	128
			14-Sep-05	0			108	108	108
			25-Oct-05	0			148	148	140
			02-Nov-06	0			68	64	60
Montgomery	27.6		03-Aug-05	0	Hardness (mg/L)		132	124	124
			14-Sep-05	0			116	124	124
			25-Oct-05	0			148	156	152
			02-Nov-06	0			72	68	68
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Hardness (mg/L)	120			
			14-Sep-05	5.6		116			
			25-Oct-05	14.5		144			
			02-Nov-06	89.4		76			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Hardness (mg/L)	152			
			15-Sep-05	5.9		212			
			26-Oct-05	31.9		148			
			06-Sep-06	43.1		116			
Willow Island	132.4		01-Sep-05	0	Hardness (mg/L)		156	152	160
			15-Sep-05	0			168	160	176
			26-Oct-05	0			168	140	156
			06-Sep-06	0			112	112	116
Willow Island	138.9		01-Sep-05	0	Hardness (mg/L)		160	160	148
			15-Sep-05	0			172	160	160
			26-Oct-05	0			156	152	152
			06-Sep-06	0			116	116	116
Willow Island	145.2		01-Sep-05	0	Hardness (mg/L)		160	156	164
			15-Sep-05	0			168	168	164
			26-Oct-05	0			156	148	156
			06-Sep-06	0			124	128	160
Willow Island	150.8		01-Sep-05	0	Hardness (mg/L)		160	148	152
			15-Sep-05	0			164	136	168
			26-Oct-05	0			156	164	160
			06-Sep-06	0			96	120	124

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	157.4		01-Sep-05	0	Hardness (mg/L)		148	152	168
			15-Sep-05	0			160	164	168
			26-Oct-05	0			148	156	172
			06-Sep-06	0			120	128	128
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Hardness (mg/L)	152			
			15-Sep-05	11.9		120			
			26-Oct-05	52.5		160			
			06-Sep-06	42.9		124			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Hardness (mg/L)	132			
			07-Aug-07	31.8		148			
Newburgh	725		09-May-06	0	Hardness (mg/L)		132	128	136
			07-Aug-07	0			160	160	160
Newburgh	736.7		09-May-06	0	Hardness (mg/L)		128	128	124
			07-Aug-07	0			176	164	164
Newburgh	747.3		09-May-06	0	Hardness (mg/L)		136	128	132
			07-Aug-07	0			168	148	156
Newburgh	754.9		09-May-06	0	Hardness (mg/L)		132	132	136
			07-Aug-07	0			168	160	156
Newburgh	762.3		10-May-06	0	Hardness (mg/L)		132	136	148
			08-Aug-07	0			156	164	152
Newburgh	772		10-May-06	0	Hardness (mg/L)		132	132	128
			08-Aug-07	0			152	172	160
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Hardness (mg/L)	144			
			08-Aug-07	52.7		160			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Hg (ng/L)	<1.5			
			14-Sep-05	5.4		<1.5			
			25-Oct-05	12.3		<1.5			
			02-Nov-06	77.7		4.07			
Montgomery	19.3		03-Aug-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			14-Sep-05	0			<1.5	<1.5	<1.5
			25-Oct-05	0			<1.5	<1.5	<1.5
			02-Nov-06	0			<1.5	<1.5	<1.5
Montgomery	23.2		03-Aug-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			14-Sep-05	0			<1.5	<1.5	<1.5
			25-Oct-05	0			<1.5	<1.5	<1.5
			02-Nov-06	0			<1.5	<1.5	<1.5
Montgomery	27.6		03-Aug-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			14-Sep-05	0			<1.5	<1.5	<1.5
			25-Oct-05	0			1.76	<1.5	<1.5
			02-Nov-06	0			<1.5	2.33	<1.5
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Hg (ng/L)	<1.5			
			14-Sep-05	5.6		<1.5			
			25-Oct-05	14.5		<1.5			
			02-Nov-06	89.4		<1.5			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Hg (ng/L)	<1.5			
			15-Sep-05	5.9		<1.5			
			26-Oct-05	31.9		<1.5			
			06-Sep-06	43.1		5.27			
Willow Island	132.4		01-Sep-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			15-Sep-05	0			<1.5	<1.5	<1.5
			26-Oct-05	0			<1.5	<1.5	<1.5
			06-Sep-06	0			<1.5	<1.5	<1.5
Willow Island	138.9		01-Sep-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			15-Sep-05	0			<1.5	<1.5	<1.5
			26-Oct-05	0			<1.5	<1.5	<1.5
			06-Sep-06	0			<1.5	<1.5	<1.5
Willow Island	145.2		01-Sep-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			15-Sep-05	0			<1.5	1.53	<1.5
			26-Oct-05	0			<1.5	<1.5	<1.5
			06-Sep-06	0			<1.5	<1.5	<1.5
Willow Island	150.8		01-Sep-05	0	Hg (ng/L)		<1.5	<1.5	
			15-Sep-05	0			<1.5	<1.5	<1.5
			26-Oct-05	0			<1.5	<1.5	<1.5
			06-Sep-06	0			<1.5	<1.5	2.73
Willow Island	157.4		01-Sep-05	0	Hg (ng/L)		<1.5	<1.5	<1.5
			15-Sep-05	0			<1.5	<1.5	<1.5
			26-Oct-05	0			<1.5	<1.5	<1.5
			06-Sep-06	0			<1.5	<1.5	<1.5

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Hg (ng/L)	<1.5			
			15-Sep-05	11.9		<1.5			
			26-Oct-05	52.5		<1.5			
			06-Sep-06	42.9		<1.5			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Hg (ng/L)	<1.5			
			07-Aug-07	31.8		<1.5			
Newburgh	725		09-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			07-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	736.7		09-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			07-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	747.3		09-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			07-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	754.9		09-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			07-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	762.3		10-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			08-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	772		10-May-06	0	Hg (ng/L)		<1.5	<1.5	<1.5
			08-Aug-07	0			<1.5	<1.5	<1.5
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Hg (ng/L)	<1.5			
			08-Aug-07	52.7		<1.5			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Mg (mg/L)	10.92			
			14-Sep-05	5.4		10.69			
			25-Oct-05	12.3		13.72			
			02-Nov-06	77.7		5.24			
Montgomery	19.3		03-Aug-05	0	Mg (mg/L)		10.62	10.44	10.57
			14-Sep-05	0			10.1	9.92	10.74
			25-Oct-05	0			13.71	14.27	10.3
			02-Nov-06	0			4.92	4.32	4.1
Montgomery	23.2		03-Aug-05	0	Mg (mg/L)		10.13	9.01	9.7
			14-Sep-05	0			9.01	10.21	8.24
			25-Oct-05	0			12.95	12.19	11.71
			02-Nov-06	0			4.49	4.18	3.95
Montgomery	27.6		03-Aug-05	0	Mg (mg/L)		10.15	9.99	10.3
			14-Sep-05	0			9.13	9.74	8.95
			25-Oct-05	0			13.5	12.24	13.9
			02-Nov-06	0			4.7	4.83	5.63
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Mg (mg/L)	10.1			
			14-Sep-05	5.6		9.17			
			25-Oct-05	14.5		13.74			
			02-Nov-06	89.4		4.98			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Mg (mg/L)	12.3			
			15-Sep-05	5.9		13.37			
			26-Oct-05	31.9		13.2			
			06-Sep-06	43.1		8.79			
Willow Island	132.4		01-Sep-05	0	Mg (mg/L)		12.38	12.09	12.1
			15-Sep-05	0			12.14	13.2	11.81
			26-Oct-05	0			11.89	11.81	12.98
			06-Sep-06	0			8.92	8.94	9.01
Willow Island	138.9		01-Sep-05	0	Mg (mg/L)		12.78	11.56	11.98
			15-Sep-05	0			13.18	14.15	13.22
			26-Oct-05	0			11.4	10.44	10.13
			06-Sep-06	0			9.31	9.21	8.87
Willow Island	145.2		01-Sep-05	0	Mg (mg/L)		12.66	12.39	12.66
			15-Sep-05	0			13.41	13.87	13.6
			26-Oct-05	0			13.59	13.73	14.21
			06-Sep-06	0			9.7	9.49	9.67
Willow Island	150.8		01-Sep-05	0	Mg (mg/L)		11.19	12.5	12.02
			15-Sep-05	0			13.43	14.82	16.02
			26-Oct-05	0			13.35	11.88	15.35
			06-Sep-06	0			9.93	9.8	9.8
Willow Island	157.4		01-Sep-05	0	Mg (mg/L)		12.11	12.39	11.62
			15-Sep-05	0			12.9	16.86	16.32
			26-Oct-05	0			13.79	14.31	14.76
			06-Sep-06	0			9.93	9.94	10.05
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Mg (mg/L)	12.14			
			15-Sep-05	11.9		14.46			
			26-Oct-05	52.5		14.11			
			06-Sep-06	42.9		9.61			

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Mg (mg/L)	10.56			
			07-Aug-07	31.8		14.63			
Newburgh	725		09-May-06	0	Mg (mg/L)		11.1	11.25	11.37
			07-Aug-07	0			14.73	12.3	14.15
Newburgh	736.7		09-May-06	0	Mg (mg/L)		10.62	10.62	10.5
			07-Aug-07	0			12.91	13.9	13.78
Newburgh	747.3		09-May-06	0	Mg (mg/L)		10.44	10.71	10.93
			07-Aug-07	0			14.05	12.9	13.02
Newburgh	754.9		09-May-06	0	Mg (mg/L)		10.73	10.68	10.59
			07-Aug-07	0			12.15	14.37	13.66
Newburgh	762.3		10-May-06	0	Mg (mg/L)		10.63	10.34	10.84
			08-Aug-07	0			14.38	12.86	12.38
Newburgh	772		10-May-06	0	Mg (mg/L)		10.61	10.63	10.67
			08-Aug-07	0			12.92	14.47	12.59
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Mg (mg/L)	11.85			
			08-Aug-07	52.7		13.72			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Mn (ug/L)	0.78			
			14-Sep-05	5.4		1.1			
			25-Oct-05	12.3		1.19			
			02-Nov-06	77.7		73.87			
Montgomery	19.3		03-Aug-05	0	Mn (ug/L)		1.16	0.68	0.89
			14-Sep-05	0			1.73	1.31	1.8
			25-Oct-05	0			3.51	4.11	3.81
			02-Nov-06	0			73.95	77.96	80.06
Montgomery	23.2		03-Aug-05	0	Mn (ug/L)		0.88	1.22	0.96
			14-Sep-05	0			2.43	1.3	1.47
			25-Oct-05	0			4.18	6.94	5.96
			02-Nov-06	0			70.13	81.09	74.4
Montgomery	27.6		03-Aug-05	0	Mn (ug/L)		1.43	2.97	1.58
			14-Sep-05	0			1.08	1.45	0.88
			25-Oct-05	0			10.17	7.04	7.39
			02-Nov-06	0			76.73	75.26	58.95
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Mn (ug/L)	1.29			
			14-Sep-05	5.6		0.84			
			25-Oct-05	14.5		5.65			
			02-Nov-06	89.4		92.42			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Mn (ug/L)	0.68			
			15-Sep-05	5.9		0.59			
			26-Oct-05	31.9		5.75			
			06-Sep-06	43.1		2.69			
Willow Island	132.4		01-Sep-05	0	Mn (ug/L)		4.7	2.68	6.16
			15-Sep-05	0			1.59	1.54	2.28
			26-Oct-05	0			10.6	8.95	13.32
			06-Sep-06	0			7.84	5.82	9.23
Willow Island	138.9		01-Sep-05	0	Mn (ug/L)		4.09	2.11	5.82
			15-Sep-05	0			3.06	0.92	1.24
			26-Oct-05	0			8.43	7.33	12.07
			06-Sep-06	0			15.31	4.71	13.22
Willow Island	145.2		01-Sep-05	0	Mn (ug/L)		1.14	1.57	2.45
			15-Sep-05	0			1.74	0.53	2.55
			26-Oct-05	0			8.27	4.53	7.13
			06-Sep-06	0			19.15	4.32	11.7
Willow Island	150.8		01-Sep-05	0	Mn (ug/L)		2.22	1.65	2.5
			15-Sep-05	0			1.06	1.13	1.26
			26-Oct-05	0			4.16	4.02	4.66
			06-Sep-06	0			17.05	3.98	6.45
Willow Island	157.4		01-Sep-05	0	Mn (ug/L)		2.67	3.84	3.24
			15-Sep-05	0			3.14	2.25	2.26
			26-Oct-05	0			15.79	10.02	7.52
			06-Sep-06	0			22.2	6.87	22.13
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Mn (ug/L)	2.51			
			15-Sep-05	11.9		0.65			
			26-Oct-05	52.5		7.34			
			06-Sep-06	42.9		15.96			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Mn (ug/L)	13.66			
			07-Aug-07	31.8		0.27			
Newburgh	725		09-May-06	0	Mn (ug/L)		18.54	16.85	15.09
			07-Aug-07	0			2.18	0.99	1.25

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Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Newburgh	736.7		09-May-06	0	Mn (ug/L)		13.47	12.49	12.86
			07-Aug-07	0			2.03	1.17	0.9
Newburgh	747.3		09-May-06	0	Mn (ug/L)		11.38	12.87	16.21
			07-Aug-07	0			1.67	0.93	3.03
Newburgh	754.9		09-May-06	0	Mn (ug/L)		10.11	9.6	12.41
			07-Aug-07	0			1.03	2.15	7.35
Newburgh	762.3		10-May-06	0	Mn (ug/L)		10.15	9.62	15.34
			08-Aug-07	0			1.08	6.04	7.63
Newburgh	772		10-May-06	0	Mn (ug/L)		8.33	8.62	9.08
			08-Aug-07	0			6.07	0.86	2.86
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Mn (ug/L)	21.55			
			08-Aug-07	52.7		1.99			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	NH3-N (mg/L)	0.04			
			14-Sep-05	5.4		0.04			
			25-Oct-05	12.3		0.08			
			02-Nov-06	77.7		0.05			
Montgomery	19.3		03-Aug-05	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			14-Sep-05	0			0.04	0.04	0.04
			25-Oct-05	0			0.09	0.09	0.11
			02-Nov-06	0			0.05	0.04	0.05
Montgomery	23.2		03-Aug-05	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			14-Sep-05	0			0.04	0.04	0.04
			25-Oct-05	0			0.07	0.07	0.06
			02-Nov-06	0			0.05	0.05	0.05
Montgomery	27.6		03-Aug-05	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			14-Sep-05	0			0.04	0.04	0.04
			25-Oct-05	0			0.07	0.07	0.08
			02-Nov-06	0			0.05	0.05	0.05
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	NH3-N (mg/L)	<0.03			
			14-Sep-05	5.6		0.07			
			25-Oct-05	14.5		0.08			
			02-Nov-06	89.4		0.06			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	NH3-N (mg/L)	0.1			
			15-Sep-05	5.9		0.04			
			26-Oct-05	31.9		0.05			
			06-Sep-06	43.1		0.06			
Willow Island	132.4		01-Sep-05	0	NH3-N (mg/L)		0.1	0.09	0.09
			15-Sep-05	0			0.06	0.05	0.05
			26-Oct-05	0			0.07	0.07	0.09
			06-Sep-06	0			0.06	0.06	0.06
Willow Island	138.9		01-Sep-05	0	NH3-N (mg/L)		0.09	0.09	0.09
			15-Sep-05	0			0.04	0.04	0.03
			26-Oct-05	0			0.07	0.06	0.06
			06-Sep-06	0			0.06	0.06	0.06
Willow Island	145.2		01-Sep-05	0	NH3-N (mg/L)		0.09	0.08	0.1
			15-Sep-05	0			0.06	0.03	0.06
			26-Oct-05	0			0.05	0.04	0.05
			06-Sep-06	0			0.08	0.06	0.07
Willow Island	150.8		01-Sep-05	0	NH3-N (mg/L)		0.1	0.1	0.1
			15-Sep-05	0			0.05	0.06	0.04
			26-Oct-05	0			0.05	0.05	0.05
			06-Sep-06	0			0.08	0.07	0.06
Willow Island	157.4		01-Sep-05	0	NH3-N (mg/L)		0.1	0.1	0.11
			15-Sep-05	0			0.05	0.06	0.06
			26-Oct-05	0			0.06	0.06	0.05
			06-Sep-06	0			0.07	0.06	0.06
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	NH3-N (mg/L)	0.1			
			15-Sep-05	11.9		0.07			
			26-Oct-05	52.5		0.05			
			06-Sep-06	42.9		0.08			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	NH3-N (mg/L)	0.04			
			07-Aug-07	31.8		0.07			
Newburgh	725		09-May-06	0	NH3-N (mg/L)		0.04	0.04	0.04
			07-Aug-07	0			0.07	0.05	0.05
Newburgh	736.7		09-May-06	0	NH3-N (mg/L)		0.04	0.04	0.04
			07-Aug-07	0			<0.03	0.05	0.05
Newburgh	747.3		09-May-06	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			07-Aug-07	0			<0.03	<0.03	<0.03

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Newburgh	754.9		09-May-06	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			07-Aug-07	0			<0.03	<0.03	0.03
Newburgh	762.3		10-May-06	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			08-Aug-07	0			<0.03	0.03	0.04
Newburgh	772		10-May-06	0	NH3-N (mg/L)		<0.03	<0.03	<0.03
			08-Aug-07	0			<0.03	<0.03	0.03
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	NH3-N (mg/L)	<0.03			
			08-Aug-07	52.7		0.03			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Ni (ug/L)	1.81			
			14-Sep-05	5.4		2.19			
			25-Oct-05	12.3		2.88			
			02-Nov-06	77.7		2.67			
Montgomery	19.3		03-Aug-05	0	Ni (ug/L)		1.82	1.8	1.75
			14-Sep-05	0			1.87	1.84	1.8
			25-Oct-05	0			2.75	2.66	2.66
			02-Nov-06	0			2.91	2.6	2.79
Montgomery	23.2		03-Aug-05	0	Ni (ug/L)		1.82	1.79	1.77
			14-Sep-05	0			1.41	1.48	1.39
			25-Oct-05	0			2.79	2.66	2.6
			02-Nov-06	0			2.8	2.86	2.33
Montgomery	27.6		03-Aug-05	0	Ni (ug/L)		1.6	1.95	1.72
			14-Sep-05	0			1.74	1.93	1.68
			25-Oct-05	0			2.56	2.71	2.51
			02-Nov-06	0			2.47	2.47	2.02
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Ni (ug/L)	1.64			
			14-Sep-05	5.6		1.56			
			25-Oct-05	14.5		2.51			
			02-Nov-06	89.4		2.62			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Ni (ug/L)	2.42			
			15-Sep-05	5.9		2.6			
			26-Oct-05	31.9		2.07			
			06-Sep-06	43.1		1.4			
Willow Island	132.4		01-Sep-05	0	Ni (ug/L)		2.59	2.27	2.43
			15-Sep-05	0			2.46	2.78	2.19
			26-Oct-05	0			2.17	2.13	1.99
			06-Sep-06	0			1.35	1.28	1.33
Willow Island	138.9		01-Sep-05	0	Ni (ug/L)		2.38	2.57	2.46
			15-Sep-05	0			2.33	2.46	2.69
			26-Oct-05	0			2.08	2.13	2.24
			06-Sep-06	0			1.39	1.3	1.39
Willow Island	145.2		01-Sep-05	0	Ni (ug/L)		2.45	2.37	2.66
			15-Sep-05	0			2.33	2.43	2.45
			26-Oct-05	0			2.4	2.44	2.14
			06-Sep-06	0			1.51	1.51	1.44
Willow Island	150.8		01-Sep-05	0	Ni (ug/L)		2.07	2.46	2.21
			15-Sep-05	0			2.58	2.28	2.38
			26-Oct-05	0			2.17	1.95	2.29
			06-Sep-06	0			1.5	1.47	1.62
Willow Island	157.4		01-Sep-05	0	Ni (ug/L)		2.4	2.43	2.37
			15-Sep-05	0			2	2.46	2.27
			26-Oct-05	0			2.35	2.13	2.35
			06-Sep-06	0			1.49	1.52	1.47
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Ni (ug/L)	2.3			
			15-Sep-05	11.9		2.18			
			26-Oct-05	52.5		2.54			
			06-Sep-06	42.9		1.67			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Ni (ug/L)	1.09			
			07-Aug-07	31.8		2.08			
Newburgh	725		09-May-06	0	Ni (ug/L)		1.2	1.19	0.95
			07-Aug-07	0			2.15	1.73	2.28
Newburgh	736.7		09-May-06	0	Ni (ug/L)		1.19	1.16	1.1
			07-Aug-07	0			2.09	1.88	2.04
Newburgh	747.3		09-May-06	0	Ni (ug/L)		1.14	1.2	1.31
			07-Aug-07	0			1.86	1.74	1.76
Newburgh	754.9		09-May-06	0	Ni (ug/L)		1.12	1.05	1.11
			07-Aug-07	0			1.5	2.06	1.88
Newburgh	762.3		10-May-06	0	Ni (ug/L)		1.17	0.99	1.18
			08-Aug-07	0			1.88	1.69	2.02

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Newburgh	772		10-May-06	0	Ni (ug/L)		1.16	1.25	1.13
			08-Aug-07	0			1.51	1.86	1.63
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Ni (ug/L)	1.27			
			08-Aug-07	52.7		1.95			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	NO2-NO3-N (mg/L)	0.699			
			14-Sep-05	5.4		0.745			
			25-Oct-05	12.3		0.922			
			02-Nov-06	77.7		0.595			
Montgomery	19.3		03-Aug-05	0	NO2-NO3-N (mg/L)		0.671	0.644	0.65
			14-Sep-05	0			0.64	0.68	0.662
			25-Oct-05	0			1.01	0.995	1.01
			02-Nov-06	0			0.566	0.512	0.593
Montgomery	23.2		03-Aug-05	0	NO2-NO3-N (mg/L)		0.631	0.624	0.588
			14-Sep-05	0			0.572	0.624	0.559
			25-Oct-05	0			0.986	1.01	1.01
			02-Nov-06	0			0.611	0.6	0.636
Montgomery	27.6		03-Aug-05	0	NO2-NO3-N (mg/L)		0.645	0.611	0.647
			14-Sep-05	0			0.573	0.814	0.877
			25-Oct-05	0			1.11	1.04	1.05
			02-Nov-06	0			0.61	0.606	0.702
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	NO2-NO3-N (mg/L)	0.593			
			14-Sep-05	5.6		0.646			
			25-Oct-05	14.5		1.11			
			02-Nov-06	89.4		0.597			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	NO2-NO3-N (mg/L)	0.902			
			15-Sep-05	5.9		1.11			
			26-Oct-05	31.9		0.895			
			06-Sep-06	43.1		0.535			
Willow Island	132.4		01-Sep-05	0	NO2-NO3-N (mg/L)		0.957	0.959	0.973
			15-Sep-05	0			1.04	1.05	1.07
			26-Oct-05	0			0.896	0.879	0.902
			06-Sep-06	0			0.489	0.526	0.543
Willow Island	138.9		01-Sep-05	0	NO2-NO3-N (mg/L)		0.901	0.925	0.932
			15-Sep-05	0			1.03	1.04	1.03
			26-Oct-05	0			0.918	0.904	0.955
			06-Sep-06	0			0.591	0.543	0.566
Willow Island	145.2		01-Sep-05	0	NO2-NO3-N (mg/L)		0.855	0.885	0.883
			15-Sep-05	0			1.05	1.03	1.06
			26-Oct-05	0			1.02	0.991	1.04
			06-Sep-06	0			0.599	0.522	0.566
Willow Island	150.8		01-Sep-05	0	NO2-NO3-N (mg/L)		0.832	0.833	0.803
			15-Sep-05	0			1.04	1.05	1.03
			26-Oct-05	0			1.02	1.05	1.03
			06-Sep-06	0			0.667	0.572	0.636
Willow Island	157.4		01-Sep-05	0	NO2-NO3-N (mg/L)		0.762	0.809	0.851
			15-Sep-05	0			1.03	1.06	1.07
			26-Oct-05	0			1.02	1.02	1.07
			06-Sep-06	0			0.724	0.732	0.696
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	NO2-NO3-N (mg/L)	0.718			
			15-Sep-05	11.9		0.644			
			26-Oct-05	52.5		1.02			
			06-Sep-06	42.9		0.765			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	NO2-NO3-N (mg/L)	0.812			
			07-Aug-07	31.8		0.738			
Newburgh	725		09-May-06	0	NO2-NO3-N (mg/L)		0.814	0.819	0.824
			07-Aug-07	0			0.839	0.836	0.785
Newburgh	736.7		09-May-06	0	NO2-NO3-N (mg/L)		0.818	0.824	0.829
			07-Aug-07	0			0.731	0.794	0.789
Newburgh	747.3		09-May-06	0	NO2-NO3-N (mg/L)		0.826	0.833	0.836
			07-Aug-07	0			0.65	0.686	0.777
Newburgh	754.9		09-May-06	0	NO2-NO3-N (mg/L)		0.787	0.799	0.971
			07-Aug-07	0			0.806	0.84	1.01
Newburgh	762.3		10-May-06	0	NO2-NO3-N (mg/L)		0.848	0.9	1.01
			08-Aug-07	0			0.826	0.896	0.919
Newburgh	772		10-May-06	0	NO2-NO3-N (mg/L)		0.852	0.848	0.932
			08-Aug-07	0			1.16	1.17	1.2
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	NO2-NO3-N (mg/L)	1.01			
			08-Aug-07	52.7		0.988			

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Pb (ug/L)	<0.1			
			14-Sep-05	5.4		<0.1			
			25-Oct-05	12.3		0.17			
			02-Nov-06	77.7		0.16			
Montgomery	19.3		03-Aug-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	0.11	<0.1
Montgomery	23.2		03-Aug-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	0.12	<0.1
Montgomery	27.6		03-Aug-05	0	Pb (ug/L)		<0.1	0.18	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Pb (ug/L)	<0.1			
			14-Sep-05	5.6		<0.1			
			25-Oct-05	14.5		<0.1			
			02-Nov-06	89.4		0.11			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Pb (ug/L)	0.1			
			15-Sep-05	5.9		<0.1			
			26-Oct-05	31.9		<0.1			
			06-Sep-06	43.1		<0.1			
Willow Island	132.4		01-Sep-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	138.9		01-Sep-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	145.2		01-Sep-05	0	Pb (ug/L)		<0.1	0.11	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	150.8		01-Sep-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	157.4		01-Sep-05	0	Pb (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Pb (ug/L)	<0.1			
			15-Sep-05	11.9		<0.1			
			26-Oct-05	52.5		<0.1			
			06-Sep-06	42.9		<0.1			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Pb (ug/L)	<0.1			
			07-Aug-07	31.8		<0.1			
Newburgh	725		09-May-06	0	Pb (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	736.7		09-May-06	0	Pb (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	747.3		09-May-06	0	Pb (ug/L)		<0.1	<0.1	0.14
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	754.9		09-May-06	0	Pb (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	762.3		10-May-06	0	Pb (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	772		10-May-06	0	Pb (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Pb (ug/L)	<0.1			
			08-Aug-07	52.7		<0.1			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Phenols (ug/L)	<5			
			14-Sep-05	5.4		<5			
			25-Oct-05	12.3		<5			
			02-Nov-06	77.7		<5			

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	19.3		03-Aug-05	0	Phenols (ug/L)		<5	<5	<5
			14-Sep-05	0			<5	<5	<5
			25-Oct-05	0			<5	<5	<5
			02-Nov-06	0			<5	<5	<5
Montgomery	23.2		03-Aug-05	0	Phenols (ug/L)		<5	<5	<5
			14-Sep-05	0			<5	<5	<5
			25-Oct-05	0			<5	<5	<5
			02-Nov-06	0			12.5	6	<5
Montgomery	27.6		03-Aug-05	0	Phenols (ug/L)		<5	<5	<5
			14-Sep-05	0			<5	<5	<5
			25-Oct-05	0			<5	<5	<5
			02-Nov-06	0			<5	<5	<5
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Phenols (ug/L)	<5			
			14-Sep-05	5.6		<5			
			25-Oct-05	14.5		<5			
			02-Nov-06	89.4		10			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Phenols (ug/L)	<5			
			15-Sep-05	5.9		<5			
			26-Oct-05	31.9		<5			
			06-Sep-06	43.1		<5			
Willow Island	132.4		01-Sep-05	0	Phenols (ug/L)		<5	<5	<5
			15-Sep-05	0			<5	<5	<5
			26-Oct-05	0			<5	<5	<5
			06-Sep-06	0			<5	<5	<5
Willow Island	138.9		01-Sep-05	0	Phenols (ug/L)		<5	<5	<5
			15-Sep-05	0			<5	<5	R
			26-Oct-05	0			<5	<5	<5
			06-Sep-06	0			<5	<5	<5
Willow Island	145.2		01-Sep-05	0	Phenols (ug/L)		<5	<5	<5
			15-Sep-05	0			<5	<5	<5
			26-Oct-05	0			<5	<5	<5
			06-Sep-06	0			<5	<5	<5
Willow Island	150.8		01-Sep-05	0	Phenols (ug/L)		<5	<5	<5
			15-Sep-05	0			<5	<5	R
			26-Oct-05	0			<5	<5	<5
			06-Sep-06	0			<5	<5	<5
Willow Island	157.4		01-Sep-05	0	Phenols (ug/L)		<5	<5	<5
			15-Sep-05	0			<5	<5	<5
			26-Oct-05	0			<5	<5	<5
			06-Sep-06	0			<5	<5	<5
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Phenols (ug/L)	<5			
			15-Sep-05	11.9		R			
			26-Oct-05	52.5		<5			
			06-Sep-06	42.9		<5			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Phenols (ug/L)	<5			
			07-Aug-07	31.8		<5			
Newburgh	725		09-May-06	0	Phenols (ug/L)		<5	<5	<5
			07-Aug-07	0			<5	<5	<5
Newburgh	736.7		09-May-06	0	Phenols (ug/L)		<5	<5	<5
			07-Aug-07	0			<5	<5	<5
Newburgh	747.3		09-May-06	0	Phenols (ug/L)		<5	<5	<5
			07-Aug-07	0			<5	<5	<5
Newburgh	754.9		09-May-06	0	Phenols (ug/L)		<5	<5	<5
			07-Aug-07	0			<5	<5	<5
Newburgh	762.3		10-May-06	0	Phenols (ug/L)		<5	<5	<5
			08-Aug-07	0			<5	<5	<5
Newburgh	772		10-May-06	0	Phenols (ug/L)		<5	<5	<5
			08-Aug-07	0			<5	<5	<5
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Phenols (ug/L)	<5			
			08-Aug-07	52.7		<5			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Sb (ug/L)	<0.5			
			14-Sep-05	5.4		<0.5			
			25-Oct-05	12.3		<0.5			
			02-Nov-06	77.7		<0.5			
Montgomery	19.3		03-Aug-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			14-Sep-05	0			<0.5	<0.5	<0.5
			25-Oct-05	0			<0.5	<0.5	<0.5
			02-Nov-06	0			<0.5	<0.5	<0.5

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	23.2		03-Aug-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			14-Sep-05	0			<0.5	<0.5	<0.5
			25-Oct-05	0			<0.5	<0.5	<0.5
			02-Nov-06	0			<0.5	<0.5	<0.5
Montgomery	27.6		03-Aug-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			14-Sep-05	0			<0.5	<0.5	<0.5
			25-Oct-05	0			<0.5	<0.5	<0.5
			02-Nov-06	0			<0.5	<0.5	<0.5
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Sb (ug/L)	<0.5			
			14-Sep-05	5.6		<0.5			
			25-Oct-05	14.5		<0.5			
			02-Nov-06	89.4		<0.5			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Sb (ug/L)	<0.5			
			15-Sep-05	5.9		<0.5			
			26-Oct-05	31.9		<0.5			
			06-Sep-06	43.1		<0.5			
Willow Island	132.4		01-Sep-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			15-Sep-05	0			<0.5	<0.5	<0.5
			26-Oct-05	0			<0.5	<0.5	<0.5
			06-Sep-06	0			<0.5	<0.5	<0.5
Willow Island	138.9		01-Sep-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			15-Sep-05	0			<0.5	<0.5	<0.5
			26-Oct-05	0			<0.5	<0.5	<0.5
			06-Sep-06	0			<0.5	<0.5	<0.5
Willow Island	145.2		01-Sep-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			15-Sep-05	0			<0.5	<0.5	<0.5
			26-Oct-05	0			<0.5	<0.5	<0.5
			06-Sep-06	0			<0.5	<0.5	<0.5
Willow Island	150.8		01-Sep-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			15-Sep-05	0			<0.5	<0.5	<0.5
			26-Oct-05	0			<0.5	<0.5	<0.5
			06-Sep-06	0			<0.5	<0.5	<0.5
Willow Island	157.4		01-Sep-05	0	Sb (ug/L)		<0.5	<0.5	<0.5
			15-Sep-05	0			<0.5	<0.5	<0.5
			26-Oct-05	0			<0.5	<0.5	<0.5
			06-Sep-06	0			<0.5	<0.5	<0.5
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Sb (ug/L)	<0.5			
			15-Sep-05	11.9		<0.5			
			26-Oct-05	52.5		<0.5			
			06-Sep-06	42.9		<0.5			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Sb (ug/L)	<0.5			
			07-Aug-07	31.8		<0.5			
Newburgh	725		09-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			07-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	736.7		09-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			07-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	747.3		09-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			07-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	754.9		09-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			07-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	762.3		10-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			08-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	772		10-May-06	0	Sb (ug/L)		<0.5	<0.5	<0.5
			08-Aug-07	0			<0.5	<0.5	<0.5
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Sb (ug/L)	<0.5			
			08-Aug-07	52.7		<0.5			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Se (ug/L)	0.81			
			14-Sep-05	5.4		0.73			
			25-Oct-05	12.3		0.96			
			02-Nov-06	77.7		<0.5			
Montgomery	19.3		03-Aug-05	0	Se (ug/L)		0.79	0.78	0.67
			14-Sep-05	0			0.54	0.72	0.8
			25-Oct-05	0			0.82	0.81	0.79
			02-Nov-06	0			<0.5	<0.5	<0.5
Montgomery	23.2		03-Aug-05	0	Se (ug/L)		0.72	0.66	0.73
			14-Sep-05	0			0.62	0.7	0.65
			25-Oct-05	0			0.72	0.84	0.83
			02-Nov-06	0			<0.5	<0.5	<0.5

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	27.6		03-Aug-05	0	Se (ug/L)		0.61	0.69	0.62
			14-Sep-05	0			0.7	0.85	0.81
			25-Oct-05	0			0.79	0.79	0.78
			02-Nov-06	0			<0.5	<0.5	<0.5
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Se (ug/L)	0.92			
			14-Sep-05	5.6		0.77			
			25-Oct-05	14.5		0.82			
			02-Nov-06	89.4		<0.5			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Se (ug/L)	0.81			
			15-Sep-05	5.9		0.96			
			26-Oct-05	31.9		0.93			
			06-Sep-06	43.1		0.75			
Willow Island	132.4		01-Sep-05	0	Se (ug/L)		0.84	0.99	0.9
			15-Sep-05	0			1.01	1.27	0.95
			26-Oct-05	0			0.84	0.74	0.93
			06-Sep-06	0			<0.5	0.97	0.91
Willow Island	138.9		01-Sep-05	0	Se (ug/L)		0.89	0.97	1.06
			15-Sep-05	0			1.06	0.83	1.05
			26-Oct-05	0			0.92	1	1.22
			06-Sep-06	0			<0.5	<0.5	0.58
Willow Island	145.2		01-Sep-05	0	Se (ug/L)		1.09	1.07	0.88
			15-Sep-05	0			0.95	1.07	1.06
			26-Oct-05	0			0.84	0.93	0.74
			06-Sep-06	0			0.88	0.9	0.78
Willow Island	150.8		01-Sep-05	0	Se (ug/L)		0.88	0.98	1.08
			15-Sep-05	0			1.16	1.18	1
			26-Oct-05	0			1.03	0.92	1.03
			06-Sep-06	0			<0.5	0.99	<0.5
Willow Island	157.4		01-Sep-05	0	Se (ug/L)		0.98	1.1	1.05
			15-Sep-05	0			0.94	1.18	1.15
			26-Oct-05	0			0.92	0.92	0.84
			06-Sep-06	0			0.7	0.73	0.82
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Se (ug/L)	0.93			
			15-Sep-05	11.9		0.88			
			26-Oct-05	52.5		0.9			
			06-Sep-06	42.9		0.96			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Se (ug/L)	0.61			
			07-Aug-07	31.8		0.93			
Newburgh	725		09-May-06	0	Se (ug/L)		0.56	<0.5	0.51
			07-Aug-07	0			0.99	0.81	0.9
Newburgh	736.7		09-May-06	0	Se (ug/L)		0.52	<0.5	<0.5
			07-Aug-07	0			0.83	0.92	0.98
Newburgh	747.3		09-May-06	0	Se (ug/L)		0.74	0.7	<0.5
			07-Aug-07	0			0.97	0.83	0.89
Newburgh	754.9		09-May-06	0	Se (ug/L)		<0.5	<0.5	0.51
			07-Aug-07	0			0.71	0.86	0.9
Newburgh	762.3		10-May-06	0	Se (ug/L)		0.65	0.53	0.54
			08-Aug-07	0			0.97	0.76	0.85
Newburgh	772		10-May-06	0	Se (ug/L)		<0.5	0.59	0.77
			08-Aug-07	0			0.7	0.82	0.85
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Se (ug/L)	0.54			
			08-Aug-07	52.7		0.99			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	SO4 (mg/L)	95			
			14-Sep-05	5.4		110			
			25-Oct-05	12.3		135			
			02-Nov-06	77.7		54			
Montgomery	19.3		03-Aug-05	0	SO4 (mg/L)		130	140	120
			14-Sep-05	0			110	90	105
			25-Oct-05	0			135	135	135
			02-Nov-06	0			50	42	38
Montgomery	23.2		03-Aug-05	0	SO4 (mg/L)		120	120	110
			14-Sep-05	0			85	100	85
			25-Oct-05	0			130	135	135
			02-Nov-06	0			48	42	40
Montgomery	27.6		03-Aug-05	0	SO4 (mg/L)		95	95	95
			14-Sep-05	0			90	105	100
			25-Oct-05	0			125	130	130
			02-Nov-06	0			54	48	42

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	SO4 (mg/L)	100			
			14-Sep-05	5.6		90			
			25-Oct-05	14.5		125			
			02-Nov-06	89.4		50			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	SO4 (mg/L)	135			
			15-Sep-05	5.9		155			
			26-Oct-05	31.9		115			
			06-Sep-06	43.1		76			
Willow Island	132.4		01-Sep-05	0	SO4 (mg/L)		130	125	125
			15-Sep-05	0			100	100	160
			26-Oct-05	0			115	120	115
			06-Sep-06	0			72	72	74
Willow Island	138.9		01-Sep-05	0	SO4 (mg/L)		145	130	130
			15-Sep-05	0			160	170	165
			26-Oct-05	0			115	115	
			06-Sep-06	0			78	74	78
Willow Island	145.2		01-Sep-05	0	SO4 (mg/L)		135	125	135
			15-Sep-05	0			150	140	150
			26-Oct-05	0			125	120	125
			06-Sep-06	0			84	78	82
Willow Island	150.8		01-Sep-05	0	SO4 (mg/L)		145	150	135
			15-Sep-05	0			160	150	145
			26-Oct-05	0			130	125	125
			06-Sep-06	0			86	84	88
Willow Island	157.4		01-Sep-05	0	SO4 (mg/L)		120	125	120
			15-Sep-05	0			135	160	145
			26-Oct-05	0			125	125	115
			06-Sep-06	0			88	88	88
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	SO4 (mg/L)	130			
			15-Sep-05	11.9		100			
			26-Oct-05	52.5		120			
			06-Sep-06	42.9		88			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	SO4 (mg/L)	64			
			07-Aug-07	31.8		102			
Newburgh	725		09-May-06	0	SO4 (mg/L)		62	60	62
			07-Aug-07	0			98	106	100
Newburgh	736.7		09-May-06	0	SO4 (mg/L)		60	64	64
			07-Aug-07	0			102	86	104
Newburgh	747.3		09-May-06	0	SO4 (mg/L)		64	64	64
			07-Aug-07	0			96	86	94
Newburgh	754.9		09-May-06	0	SO4 (mg/L)		62	66	64
			07-Aug-07	0			86	90	102
Newburgh	762.3		10-May-06	0	SO4 (mg/L)		64	66	64
			08-Aug-07	0			86	96	84
Newburgh	772		10-May-06	0	SO4 (mg/L)		62	64	64
			08-Aug-07	0			86	94	88
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	SO4 (mg/L)	74			
			08-Aug-07	52.7		88			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	TKN (mg/L)	1.22			
			14-Sep-05	5.4		0.94			
			25-Oct-05	12.3		0.603			
			02-Nov-06	77.7		0.48			
Montgomery	19.3		03-Aug-05	0	TKN (mg/L)		1.23	1.29	1.18
			14-Sep-05	0			0.762	0.718	0.776
			25-Oct-05	0			0.701	1.3	0.797
			02-Nov-06	0			0.675	0.566	0.605
Montgomery	23.2		03-Aug-05	0	TKN (mg/L)		1.1	1.28	1.23
			14-Sep-05	0			0.819	0.78	0.805
			25-Oct-05	0			0.777	0.682	0.696
			02-Nov-06	0			0.622	0.529	0.63
Montgomery	27.6		03-Aug-05	0	TKN (mg/L)		1.87	1.25	1.24
			14-Sep-05	0			0.838	<0.2	1.04
			25-Oct-05	0			0.745	0.698	0.692
			02-Nov-06	0			0.571	0.578	0.559
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	TKN (mg/L)	1.29			
			14-Sep-05	5.6		0.839			
			25-Oct-05	14.5		0.718			
			02-Nov-06	89.4		0.58			

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	TKN (mg/L)	0.205			
			15-Sep-05	5.9		0.655			
			26-Oct-05	31.9		0.662			
			06-Sep-06	43.1		0.471			
Willow Island	132.4		01-Sep-05	0	TKN (mg/L)		0.299	0.326	0.298
			15-Sep-05	0			0.752	0.743	0.778
			26-Oct-05	0			0.699	0.87	0.939
			06-Sep-06	0			0.517	0.541	0.555
Willow Island	138.9		01-Sep-05	0	TKN (mg/L)		0.361	0.323	0.259
			15-Sep-05	0			0.664	0.799	0.72
			26-Oct-05	0			0.714	0.711	0.756
			06-Sep-06	0			0.45	0.504	0.509
Willow Island	145.2		01-Sep-05	0	TKN (mg/L)		0.296	0.281	0.365
			15-Sep-05	0			0.762	0.665	0.746
			26-Oct-05	0			0.73	0.762	0.44
			06-Sep-06	0			0.484	0.478	0.409
Willow Island	150.8		01-Sep-05	0	TKN (mg/L)		<0.2	0.345	0.215
			15-Sep-05	0			0.764	0.546	0.818
			26-Oct-05	0			0.298	0.361	0.328
			06-Sep-06	0			0.48	0.486	0.463
Willow Island	157.4		01-Sep-05	0	TKN (mg/L)		0.231	0.21	0.302
			15-Sep-05	0			0.697	0.664	0.689
			26-Oct-05	0			0.484	0.511	0.289
			06-Sep-06	0			0.578	0.439	0.441
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	TKN (mg/L)	0.271			
			15-Sep-05	11.9		0.43			
			26-Oct-05	52.5		0.766			
			06-Sep-06	42.9		0.546			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	TKN (mg/L)	0.273			
			07-Aug-07	31.8		0.714			
Newburgh	725		09-May-06	0	TKN (mg/L)		0.256	0.278	0.269
			07-Aug-07	0			0.653	0.645	0.599
Newburgh	736.7		09-May-06	0	TKN (mg/L)		0.265	0.31	0.428
			07-Aug-07	0			0.648	0.809	0.612
Newburgh	747.3		09-May-06	0	TKN (mg/L)		0.295	0.205	<0.2
			07-Aug-07	0			0.583	0.486	0.509
Newburgh	754.9		09-May-06	0	TKN (mg/L)		0.215	0.276	0.236
			07-Aug-07	0			0.63	0.59	0.435
Newburgh	762.3		10-May-06	0	TKN (mg/L)		0.312	0.293	0.323
			08-Aug-07	0			0.472	0.304	0.37
Newburgh	772		10-May-06	0	TKN (mg/L)		0.24	0.2	0.26
			08-Aug-07	0			0.5	0.534	0.542
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	TKN (mg/L)	0.231			
			08-Aug-07	52.7		0.49			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Tl (ug/L)	<0.1			
			14-Sep-05	5.4		<0.1			
			25-Oct-05	12.3		0.12			
			02-Nov-06	77.7		<0.1			
Montgomery	19.3		03-Aug-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	23.2		03-Aug-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	27.6		03-Aug-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			14-Sep-05	0			<0.1	<0.1	<0.1
			25-Oct-05	0			<0.1	<0.1	<0.1
			02-Nov-06	0			<0.1	<0.1	<0.1
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Tl (ug/L)	<0.1			
			14-Sep-05	5.6		<0.1			
			25-Oct-05	14.5		<0.1			
			02-Nov-06	89.4		<0.1			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Tl (ug/L)	<0.1			
			15-Sep-05	5.9		<0.1			
			26-Oct-05	31.9		<0.1			
			06-Sep-06	43.1		<0.1			

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	132.4		01-Sep-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	138.9		01-Sep-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	145.2		01-Sep-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	150.8		01-Sep-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	157.4		01-Sep-05	0	Tl (ug/L)		<0.1	<0.1	<0.1
			15-Sep-05	0			<0.1	<0.1	<0.1
			26-Oct-05	0			<0.1	<0.1	<0.1
			06-Sep-06	0			<0.1	<0.1	<0.1
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Tl (ug/L)	<0.1			
			15-Sep-05	11.9		<0.1			
			26-Oct-05	52.5		<0.1			
			06-Sep-06	42.9		<0.1			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Tl (ug/L)	<0.1			
			07-Aug-07	31.8		<0.1			
Newburgh	725		09-May-06	0	Tl (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	736.7		09-May-06	0	Tl (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	747.3		09-May-06	0	Tl (ug/L)		<0.1	<0.1	0.13
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	754.9		09-May-06	0	Tl (ug/L)		<0.1	<0.1	<0.1
			07-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	762.3		10-May-06	0	Tl (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	<0.1
Newburgh	772		10-May-06	0	Tl (ug/L)		<0.1	<0.1	<0.1
			08-Aug-07	0			<0.1	<0.1	0.11
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Tl (ug/L)	<0.1			
			08-Aug-07	52.7		<0.1			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	TOC (mg/L)	6.88			
			14-Sep-05	5.4		2.93			
			25-Oct-05	12.3		3.57			
			02-Nov-06	77.7		2.73			
Montgomery	19.3		03-Aug-05	0	TOC (mg/L)		7.61	7.31	6.98
			14-Sep-05	0			2.66	2.49	2.43
			25-Oct-05	0			3.39	3.22	3.33
			02-Nov-06	0			2.8	2.93	2.96
Montgomery	23.2		03-Aug-05	0	TOC (mg/L)		7.75	7.47	7.45
			14-Sep-05	0			2.42	2.58	2.61
			25-Oct-05	0			3.61	3.64	3.62
			02-Nov-06	0			3	3.07	2.88
Montgomery	27.6		03-Aug-05	0	TOC (mg/L)		8.49	8.59	8.51
			14-Sep-05	0			2.88	3.21	3.6
			25-Oct-05	0			3.73	3.55	3.7
			02-Nov-06	0			2.77	2.92	3.57
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	TOC (mg/L)	8.49			
			14-Sep-05	5.6		3.03			
			25-Oct-05	14.5		3.72			
			02-Nov-06	89.4		3.06			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	TOC (mg/L)	7.84			
			15-Sep-05	5.9		2.6			
			26-Oct-05	31.9		2.9			
			06-Sep-06	43.1		2.41			
Willow Island	132.4		01-Sep-05	0	TOC (mg/L)		8.47	7.59	7.42
			15-Sep-05	0			2.55	2.8	2.32
			26-Oct-05	0			3.03	3.11	3.07
			06-Sep-06	0			3.23	3.02	2.92

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	138.9		01-Sep-05	0	TOC (mg/L)		7.53	7.31	6.9
			15-Sep-05	0			2.32	2.97	2.86
			26-Oct-05	0			2.76	2.85	2.9
			06-Sep-06	0			2.57	2.88	2.75
Willow Island	145.2		01-Sep-05	0	TOC (mg/L)		7.22	7.57	7.02
			15-Sep-05	0			3.01	2.77	2.95
			26-Oct-05	0			2.87	2.82	2.81
			06-Sep-06	0			3.01	2.97	2.67
Willow Island	150.8		01-Sep-05	0	TOC (mg/L)		6.69	6.81	7
			15-Sep-05	0			3.05	2.84	2.95
			26-Oct-05	0			2.92	2.76	2.98
			06-Sep-06	0			2.95	2.92	2.8
Willow Island	157.4		01-Sep-05	0	TOC (mg/L)		6.86	7.28	7.67
			15-Sep-05	0			2.84	2.74	3.22
			26-Oct-05	0			3.19	3.33	3.42
			06-Sep-06	0			2.81	2.78	2.96
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	TOC (mg/L)	8.12			
			15-Sep-05	11.9		3.33			
			26-Oct-05	52.5		3.28			
			06-Sep-06	42.9		2.72			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	TOC (mg/L)	2.86			
			07-Aug-07	31.8		3.14			
Newburgh	725		09-May-06	0	TOC (mg/L)		2.91	2.57	2.81
			07-Aug-07	0			3.46	3.73	3.25
Newburgh	736.7		09-May-06	0	TOC (mg/L)		2.72	2.64	2.9
			07-Aug-07	0			3.59	3.57	3.46
Newburgh	747.3		09-May-06	0	TOC (mg/L)		2.85	2.51	2.46
			07-Aug-07	0			3.52	3.51	3.3
Newburgh	754.9		09-May-06	0	TOC (mg/L)		2.43	2.4	2.33
			07-Aug-07	0			3.6	3.87	3.73
Newburgh	762.3		10-May-06	0	TOC (mg/L)		2.4	2.14	2.38
			08-Aug-07	0			3.61	3.35	3.56
Newburgh	772		10-May-06	0	TOC (mg/L)		2.36	2.2	2.5
			08-Aug-07	0			3.36	3.49	3.83
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	TOC (mg/L)	2.5			
			08-Aug-07	52.7		3.53			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	TP (mg/L)	0.015			
			14-Sep-05	5.4		0.031			
			25-Oct-05	12.3		0.092			
			02-Nov-06	77.7		0.038			
Montgomery	19.3		03-Aug-05	0	TP (mg/L)		0.02	0.034	0.012
			14-Sep-05	0			0.019	0.023	0.023
			25-Oct-05	0			0.144	0.112	0.13
			02-Nov-06	0			0.041	0.044	0.051
Montgomery	23.2		03-Aug-05	0	TP (mg/L)		0.02	0.023	0.018
			14-Sep-05	0			0.032	0.025	0.03
			25-Oct-05	0			0.396	0.08	0.114
			02-Nov-06	0			0.043	0.054	0.048
Montgomery	27.6		03-Aug-05	0	TP (mg/L)		0.022	0.022	0.022
			14-Sep-05	0			0.102	0.043	0.055
			25-Oct-05	0			0.09	0.087	0.112
			02-Nov-06	0			0.045	0.038	0.047
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	TP (mg/L)	0.014			
			14-Sep-05	5.6		0.054			
			25-Oct-05	14.5		0.098			
			02-Nov-06	89.4		0.042			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	TP (mg/L)	0.151			
			15-Sep-05	5.9		0.033			
			26-Oct-05	31.9		0.238			
			06-Sep-06	43.1		0.039			
Willow Island	132.4		01-Sep-05	0	TP (mg/L)		0.08	0.073	0.098
			15-Sep-05	0			0.022	0.038	0.061
			26-Oct-05	0			0.098	0.087	0.154
			06-Sep-06	0			0.063	0.049	0.055
Willow Island	138.9		01-Sep-05	0	TP (mg/L)		0.048	0.057	0.069
			15-Sep-05	0			0.147	0.143	R
			26-Oct-05	0			0.086	0.146	0.073
			06-Sep-06	0			0.048	0.048	0.054

Appendix O: Integrated Sampling Stations

Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	145.2		01-Sep-05	0	TP (mg/L)		0.401	0.045	0.1
			15-Sep-05	0			R	R	0.052
			26-Oct-05	0			0.073	0.097	0.078
			06-Sep-06	0			0.058	0.047	0.034
Willow Island	150.8		01-Sep-05	0	TP (mg/L)		0.057	0.053	0.037
			15-Sep-05	0			0.057		
			26-Oct-05	0			0.043	0.038	0.046
			06-Sep-06	0			0.073	0.054	0.041
Willow Island	157.4		01-Sep-05	0	TP (mg/L)		0.276	0.11	0.023
			15-Sep-05	0					
			26-Oct-05	0			0.04	0.052	0.087
			06-Sep-06	0			0.06	0.043	0.04
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	TP (mg/L)	0.015			
			15-Sep-05	11.9		0.04			
			26-Oct-05	52.5		0.185			
			06-Sep-06	42.9		0.067			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	TP (mg/L)	0.041			
			07-Aug-07	31.8		0.017			
Newburgh	725		09-May-06	0	TP (mg/L)		0.057	0.057	0.07
			07-Aug-07	0			0.022	0.024	0.018
Newburgh	736.7		09-May-06	0	TP (mg/L)		0.056	0.09	0.055
			07-Aug-07	0			0.026	0.023	0.012
Newburgh	747.3		09-May-06	0	TP (mg/L)		0.055	0.044	0.041
			07-Aug-07	0			0.047	<0.01	0.03
Newburgh	754.9		09-May-06	0	TP (mg/L)		0.06	0.061	0.048
			07-Aug-07	0			<0.01	0.019	<0.01
Newburgh	762.3		10-May-06	0	TP (mg/L)		0.076	0.052	0.051
			08-Aug-07	0			<0.01	<0.01	0.021
Newburgh	772		10-May-06	0	TP (mg/L)		0.096	0.074	0.032
			08-Aug-07	0			0.019	0.016	0.017
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	TP (mg/L)	0.06			
			08-Aug-07	52.7		<0.01			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	TSS (mg/L)	6.5			
			14-Sep-05	5.4		7.4			
			25-Oct-05	12.3		5.14			
			02-Nov-06	77.7		24.2			
Montgomery	19.3		03-Aug-05	0	TSS (mg/L)		9.25	7.5	7.8
			14-Sep-05	0			8.2	9.2	7.8
			25-Oct-05	0			15.4	13.8	17.6
			02-Nov-06	0			28.4	31	32.4
Montgomery	23.2		03-Aug-05	0	TSS (mg/L)		8	10.2	8.75
			14-Sep-05	0			9.2	10.2	8.2
			25-Oct-05	0			11.2	10.8	9.5
			02-Nov-06	0			29.4	33.4	37
Montgomery	27.6		03-Aug-05	0	TSS (mg/L)		8.4	8.2	9.25
			14-Sep-05	0			8	10	10.4
			25-Oct-05	0			11	12.2	9
			02-Nov-06	0			36	32.2	28.6
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	TSS (mg/L)	6.5			
			14-Sep-05	5.6		5.25			
			25-Oct-05	14.5		6.8			
			02-Nov-06	89.4		28.2			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	TSS (mg/L)	6.4			
			15-Sep-05	5.9		4.33			
			26-Oct-05	31.9		6			
			06-Sep-06	43.1		10.3			
Willow Island	132.4		01-Sep-05	0	TSS (mg/L)		6.4	6.8	5.6
			15-Sep-05	0			6.6	6.8	5.8
			26-Oct-05	0			19.2	24	17.7
			06-Sep-06	0			18	15.7	14
Willow Island	138.9		01-Sep-05	0	TSS (mg/L)		6	9.2	4.8
			15-Sep-05	0			5.4	7	5.8
			26-Oct-05	0			21.2	25.2	
			06-Sep-06	0			17.7	15.3	12.3
Willow Island	145.2		01-Sep-05	0	TSS (mg/L)		7.2	7.2	6.4
			15-Sep-05	0			6	5.8	5.4
			26-Oct-05	0			25.4	41.7	24
			06-Sep-06	0			15.3	15.7	9

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Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	150.8		01-Sep-05	0	TSS (mg/L)		4.4	4.8	4.8
			15-Sep-05	0			5.6	6.2	4.4
			26-Oct-05	0			19.6	14.3	19.6
			06-Sep-06	0			14.3	14.3	12.7
Willow Island	157.4		01-Sep-05	0	TSS (mg/L)		4.4	3.6	4.4
			15-Sep-05	0			6.8	6.8	5.2
			26-Oct-05	0			12.3	13.8	17.4
			06-Sep-06	0			14.7	12	9.67
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	TSS (mg/L)	4			
			15-Sep-05	11.9		6.6			
			26-Oct-05	52.5		8			
			06-Sep-06	42.9		21			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	TSS (mg/L)	5.25			
			07-Aug-07	31.8		4.2			
Newburgh	725		09-May-06	0	TSS (mg/L)		8.5	7.25	9.75
			07-Aug-07	0			3.8	6.4	5.6
Newburgh	736.7		09-May-06	0	TSS (mg/L)		7.75	6.5	7.25
			07-Aug-07	0			7.2	7.8	4.6
Newburgh	747.3		09-May-06	0	TSS (mg/L)		7.5	6.5	7
			07-Aug-07	0			5.2	4.4	3.4
Newburgh	754.9		09-May-06	0	TSS (mg/L)		6.5	6	7.25
			07-Aug-07	0			5	3.4	2.8
Newburgh	762.3		10-May-06	0	TSS (mg/L)		10	6.25	7
			08-Aug-07	0			3.2	3	3.8
Newburgh	772		10-May-06	0	TSS (mg/L)		11	7	5.5
			08-Aug-07	0			5.4	5.6	3.4
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	TSS (mg/L)	9.75			
			08-Aug-07	52.7		3			
Montgomery	13.3	Dashields L&D	03-Aug-05	5.6	Zn (ug/L)	1.08			
			14-Sep-05	5.4		<1			
			25-Oct-05	12.3		5.83			
			02-Nov-06	77.7		5.9			
Montgomery	19.3		03-Aug-05	0	Zn (ug/L)		<1	1.14	1.06
			14-Sep-05	0			1.12	<1	<1
			25-Oct-05	0			1.98	2.28	2.18
			02-Nov-06	0			2.42	1.42	1.66
Montgomery	23.2		03-Aug-05	0	Zn (ug/L)		8.41	1.03	1.33
			14-Sep-05	0			2.35	<1	2.32
			25-Oct-05	0			1.66	1.51	3.34
			02-Nov-06	0			1.17	1.59	1.16
Montgomery	27.6		03-Aug-05	0	Zn (ug/L)		1.5	1.81	<1
			14-Sep-05	0			1.22	4.94	1.28
			25-Oct-05	0			3.05	2.9	2.49
			02-Nov-06	0			2.24	1.06	1.48
Montgomery	31.7	Montgomery L&D	03-Aug-05	6.7	Zn (ug/L)	1.73			
			14-Sep-05	5.6		<1			
			25-Oct-05	14.5		1.92			
			02-Nov-06	89.4		<1			
Willow Island	126.4	Hannibal L&D	01-Sep-05	22.3	Zn (ug/L)	<1			
			15-Sep-05	5.9		1.16			
			26-Oct-05	31.9		4.37			
			06-Sep-06	43.1		<1			
Willow Island	132.4		01-Sep-05	0	Zn (ug/L)		2.26	1.65	1.82
			15-Sep-05	0			1.31	1.32	1.29
			26-Oct-05	0			2.11	1.51	1.43
			06-Sep-06	0			<1	1.06	<1
Willow Island	138.9		01-Sep-05	0	Zn (ug/L)		2.1	2.6	1.54
			15-Sep-05	0			1.32	1.27	1.41
			26-Oct-05	0			2.19	2.17	1.67
			06-Sep-06	0			<1	<1	1.09
Willow Island	145.2		01-Sep-05	0	Zn (ug/L)		1.55	1.84	2.41
			15-Sep-05	0			1.46	1.12	1.34
			26-Oct-05	0			1.56	1.32	1.33
			06-Sep-06	0			1.08	1.18	1.25
Willow Island	150.8		01-Sep-05	0	Zn (ug/L)		2.02	1.79	1.22
			15-Sep-05	0			1.25	4.15	1.39
			26-Oct-05	0			1.43	2.37	1.55
			06-Sep-06	0			1.31	1.12	<1

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Pool Designation	River Mile	Lock and Dam Sites	Date	Flow (kcfs)	Parameter	Lockwall	LDB	MID	RDB
Willow Island	157.4		01-Sep-05	0	Zn (ug/L)		1.47	1.67	2.17
			15-Sep-05	0			1.13	1.45	1.33
			26-Oct-05	0			1.51	1.77	1.59
			06-Sep-06	0			1.2	1.04	<1
Willow Island	161.7	Willow Island L&D	01-Sep-05	22.6	Zn (ug/L)	1.58			
			15-Sep-05	11.9		<1			
			26-Oct-05	52.5		2.32			
			06-Sep-06	42.9		1.16			
Newburgh	720.7	Cannelton L&D	09-May-06	51.9	Zn (ug/L)	2.26			
			07-Aug-07	31.8		<1			
Newburgh	725		09-May-06	0	Zn (ug/L)		<1	1.09	<1
			07-Aug-07	0			<1	4.27	1.25
Newburgh	736.7		09-May-06	0	Zn (ug/L)		<1	<1	<1
			07-Aug-07	0			2.48	<1	1.23
Newburgh	747.3		09-May-06	0	Zn (ug/L)		1.35	<1	<1
			07-Aug-07	0			<1	<1	<1
Newburgh	754.9		09-May-06	0	Zn (ug/L)		1.82	1.32	<1
			07-Aug-07	0			<1	1.29	1.15
Newburgh	762.3		10-May-06	0	Zn (ug/L)		1.16	<1	1.23
			08-Aug-07	0			<1	1.12	1.03
Newburgh	772		10-May-06	0	Zn (ug/L)		1.14	<1	<1
			08-Aug-07	0			1.11	<1	<1
Newburgh	776.1	Newburgh L&D	10-May-06	55.5	Zn (ug/L)	1.68			
			08-Aug-07	52.7		<1			