

Appendix E

Bimonthly Sampling Program Data, Water Quality Criteria Violations & Summary Statistics

STATION	BIMONTHLY SAMPLING															
	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
<u>New Cumberland</u>																
# Samples	18	18	18	18	8	18	18	17	18	9	18	18	18	18	18	18
# Detects	16	18	18	12	8	16	18	17	0	1	18	18	18	18	18	18
Maximum	24.0	100.0	164.0	0.1	0.7	0.3	6.4	2.2	0	0.01	52.0	4.8	7.9	30.0	530.0	13.6
Minimum	2.0	45.0	81.0	0	0.2	0	1.5	0.5	0	0.01	18.0	2.0	7.1	2.1	250.0	6.9
Mean	10.2	67.1	122.0	0.1	0.4	0.1	2.9	1.1	0	0.01	33.7	3.0	7.6	16.5	389.7	10.1
Std. Dev.	7.1	15.5	24.0	0	0.1	0.1	1.3	0.4	0	0	9.4	0.7	0.2	10.0	86.1	2.2
<u>Pike Island</u>																
# Samples	18	18	18	18	18	18	18	17	18	9	18	18	18	18	18	18
# Detects	16	18	18	10	8	16	18	17	1	0	17	18	18	18	18	18
Maximum	46.0	110.0	165.0	0.1	0.5	0.4	7.7	2.1	5.0	0	57.0	4.0	7.9	29.0	520.0	14.9
Minimum	1.0	40.0	65.4	0	0.1	0	1.4	0.4	5.0	0	17.0	2.0	6.2	1.0	250.0	7.1
Mean	10.3	71.1	121.0	0.1	0.3	0.1	3.4	1.0	5.0	0	33.0	2.9	7.5	15.0	384.1	10.2
Std. Dev.	11.2	19.2	27.6	0	0.1	0.1	2.0	0.4	0	0	10.3	0.5	0.5	9.6	85.6	2.4
<u>Hannibal</u>																
# Samples	18	18	18	18	18	18	18	17	18	9	18	18	18	18	18	18
# Detects	17	18	18	16	8	17	18	17	2	0	18	17	18	18	18	18
Maximum	26.0	120.0	208.0	0.6	0.5	0.3	6.4	1.9	8.0	0	54.0	4.3	8.0	28.0	590.0	14.2
Minimum	4.0	40.0	96.0	0	0.1	0	1.6	0.6	5.0	0	18.0	2.0	7.1	1.4	280.0	7.0
Mean	11.6	67.5	126.3	0.1	0.3	0.1	3.2	1.1	6.5	0	36.3	2.9	7.6	14.7	403.4	10.3
Std. Dev.	7.9	18.8	30.4	0.1	0.1	0.1	1.4	0.3	2.1	0	11.1	0.6	0.3	9.5	86.1	2.4
<u>Willow Island</u>																
# Samples	18	18	18	18	8	18	18	17	18	9	18	18	18	18	18	18
# Detects	15	18	18	13	8	16	18	17	4	0	18	18	18	18	17	17
Maximum	74.0	120.0	200.0	0.9	3.9	0.3	6.0	1.5	29.0	0	53.0	4.2	8.2	27.0	610.0	14.1
Minimum	3.0	48.0	88.0	0	0.2	0	1.2	0.6	6.0	0	18.0	2.0	7.0	0.8	280.0	7.0
Mean	23.7	72.3	125.5	0.2	0.8	0.1	3.0	1.0	11.8	0	39.9	3.0	7.6	15.1	388.2	10.5
Std. Dev.	22.0	21.4	27.0	0.3	1.3	0.1	1.3	0.3	11.5	0	9.9	0.7	0.4	9.7	89.9	2.4
<u>Belleville</u>																
# Samples	18	18	18	17	7	17	18	16	18	9	18	18	18	18	18	18
# Detects	17	18	18	15	7	16	18	16	1	1	18	18	18	18	18	18
Maximum	81.0	130.0	173.0	31.0	1.0	0.3	5.5	1.8	7.0	0.02	49.0	4.6	8.3	28.0	610.0	14.1
Minimum	4.0	38.0	92.0	0	0.2	0	1.3	0.6	7.0	0.02	19.0	2.0	7.1	0.8	260.0	7.4
Mean	18.9	69.5	136.8	0.1	0.5	0.1	2.7	1.1	7.0	0.02	33.5	3.2	7.7	15.3	391.9	10.4
Std. Dev.	21.6	24.6	22.9	0.1	0.3	0.1	1.2	0.4	0	0	8.8	0.7	0.4	9.7	88.5	2.3
<u>RC Byrd</u>																
# Samples	18	18	18	18	8	18	18	17	18	9	18	18	18	18	17	17
# Detects	18	18	18	14	8	17	18	17	17	0	18	18	18	18	17	17
Maximum	76.0	110.0	170.0	0.4	0.5	0.3	6.0	1.6	5.0	0	54.0	5.0	8.2	28.0	550.0	14.7
Minimum	8.0	32.0	22.5	0.1	0.2	0	1.8	0.5	5.0	0	10.0	2.0	7.1	1.7	180.0	9.0
Mean	28.1	60.2	105.6	0.1	0.3	0.1	3.0	1.0	5.0	0	26.1	3.0	7.6	16.0	336.8	7.6
Std. Dev.	18.0	21.3	36.8	0.1	0.1	0.1	1.3	0.3	0	0	10.4	0.6	0.3	8.7	94.2	2.5
<u>Greenup</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	18	18
# Detects	17	18	18	14	8	16	18	17	0	0	18	17	18	18	18	18
Maximum	224.0	273.0	252.0	0.6	1.1	0.3	6.0	1.7	0	0.0	47.0	6.5	8.2	28.0	540.0	14.4
Minimum	5.0	37.0	85.4	0	0.3	0	1.3	0.6	0	0.0	13.0	2.3	7.1	2.4	220.0	7.4
Mean	49.2	81.0	135.5	0.2	0.6	0.1	2.6	1.0	0	0.0	29.2	3.7	7.8	16.1	357.2	10.1
Std. Dev.	63.4	51.6	38.6	0.2	0.2	0.1	1.2	0.3	0	0.0	9.6	1.3	0.3	9.0	86.6	2.3
<u>Meldahl</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	13	13
# Detects	18	18	18	15	8	15	18	17	1	0	18	18	18	18	13	13
Maximum	83.0	113.0	170.0	0.5	0.6	0.4	7.0	2.3	5.4	0	41.0	6.0	9.6	28.5	510.0	13.1
Minimum	2.0	32.0	94.0	0	0.1	0.0	0.2	0.6	5.4	0	12.0	2.0	6.5	2.3	241.0	5.6
Mean	25.2	65.2	128.8	0.1	0.4	0.1	2.9	1.1	5.4	0	25.6	3.3	7.8	16.3	380.5	9.4
Std. Dev.	24.6	21.5	23.6	0.1	0.1	0.1	1.9	0.4	0	0	7.5	1.0	0.7	9.0	81.9	2.1
<u>Anderson Ferry</u>																
# Samples	18	18	18	18	8	17	19	18	19	0	19	19	19	19	8	8
# Detects	18	18	18	15	8	17	19	17	0	0	18	18	18	18	7	7
Maximum	682.0	105.0	220.0	1.1	1.4	0.3	7.1	1.7	0	0	45.0	11.3	8.0	28.5	520.0	13.1
Minimum	5	42.0	97.5	0	0.2	0.1	1.5	0.0	0	0	0	0	0	0	0	0
Mean	66.9	62.7	144.3	0.2	0.5	0.1	3.9	1.1	0	0	30.5	3.8	7.0	14.6	335.8	9.1
Std. Dev.	156.1	16.3	32.6	0.3	0.4	0.1	1.8	0.4	0	0	11.2	2.3	1.7	9.3	155.5	4.3
<u>Markland</u>																

STATION	BIMONTHLY SAMPLING															
	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
# Samples	17	17	17	17	8	17	17	16	0	0	17	17	17	17	12	12
# Detects	17	17	17	15	8	17	17	16	0	0	17	17	17	17	12	12
Maximum	100.0	90.0	210.0	0.5	0.5	0.3	5.0	2.0	0	0	49.0	6.0	8.6	31.3	503.0	13.7
Minimum	5.0	38.1	110.0	0	0.1	0	0.4	0.7	0	0	13.0	2.3	7.3	2.6	276.0	5.6
Mean	32.5	57.0	143.1	0.2	0.4	0.1	2.3	1.2	0	0	29.2	3.8	7.9	16.8	394.4	9.8
Std. Dev.	29.9	14.0	29.5	0.1	0.1	0.1	1.3	0.4	0	0	9.9	0.8	0.4	9.7	75.2	2.5
<u>Louisville</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	3	3
# Detects	18	18	18	17	7	16	18	17	1	0	18	18	18	18	3	3
Maximum	106.0	95.0	200.0	1.1	0.8	0.3	3.6	1.7	8.0	0	41.0	7.4	8.6	31.3	523.0	15.1
Minimum	3.0	41.0	132.0	0.1	0.1	0	0.4	0	8.0	0	15.0	2.5	7.6	4.7	378.0	8.6
Mean	31.9	62.8	155.6	0.3	0.4	0.1	2.1	1.1	8.0	0	27.8	4.0	7.9	16.9	462.3	11.2
Std. Dev.	29.5	14.0	22.3	0.3	0.2	0.1	1.0	0.4	0	0	7.5	1.2	0.3	9.1	75.3	3.4
<u>West Point</u>																
# Samples	18	18	18	17	8	18	18	17	17	0	18	17	18	18	4	4
# Detects	18	18	18	17	8	17	18	17	0	0	18	17	18	18	4	4
Maximum	413.0	113.0	234.0	1.1	0.9	0.8	7.2	1.8	0	0	45.0	8.5	8.6	32.0	555.0	9.1
Minimum	10.0	53.0	19.0	0	0.3	0.1	0.4	0.6	0	0	19.0	2.9	6.7	3.0	362.0	11.0
Mean	86.6	75.8	165.4	0.3	0.6	0.2	2.5	1.2	0	0	30.7	4.4	7.8	17.2	446.5	2.2
Std. Dev.	114.5	19.2	47.4	0.3	0.2	0.2	1.8	0.3	0	0	8.3	1.6	0.5	9.8	77.5	
<u>Cannelton</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	18	18
# Detects	18	18	18	16	8	15	18	17	1	0	18	18	18	18	18	18
Maximum	240.0	89.0	210.0	0.5	3.3	0.3	5.4	2.1	5.0	0	51.0	5.4	8.5	32.0	430.0	12.4
Minimum	3.0	24.0	120.0	0	0.3	0	0.6	0.6	5.0	0	10.0	2.6	7.2	1.0	270.0	6.8
Mean	44.2	56.6	148.4	0.2	0.8	0.1	2.3	1.3	5.0	0	27.2	4.0	7.8	17.2	356.1	8.6
Std. Dev.	63.4	16.7	27.0	0.2	1.0	0.1	1.3	0.4	0	0	9.3	0.8	0.3	10.0	48.9	1.4
<u>Newburgh</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	18	18
# Detects	18	18	18	15	8	15	18	17	1	0	18	18	18	18	18	18
Maximum	240.0	83.0	230.0	0.8	0.8	0.4	5.1	2.0	6.0	0	35.0	7.1	8.6	32.0	460.0	12.0
Minimum	4.0	40.0	112.0	0	0.3	0	0.5	0.7	6.0	0	13.0	2.9	7.3	2.0	260.0	3.8
Mean	59.6	61.1	159.9	0.3	0.5	0.1	2.1	1.4	6.0	0	25.8	4.1	7.9	17.0	363.9	8.4
Std. Dev.	70.2	12.9	33.0	0.3	0.2	0.1	1.2	0.4	0	0	5.5	1.1	0.3	9.6	56.3	1.7
<u>JT Myers</u>																
# Samples	18	18	18	18	8	18	18	17	18	0	18	18	18	18	18	18
# Detects	18	18	18	16	7	16	18	17	0	0	18	18	18	18	18	18
Maximum	177.0	93.0	220.0	0.7	0.5	0.3	6.4	2.0	0	0	40.0	5.9	8.2	30.0	460.0	12.6
Minimum	6.5	38.0	108.0	0	0.3	0	0.8	0.1	0	0	12.0	2.7	6.9	1.0	26.0	6.8
Mean	57.5	55.6	149.7	0.3	0.4	0.1	2.7	1.2	0	0	24.0	4.1	7.7	15.8	348.7	9.1
Std. Dev.	66.3	15.2	27.7	0.2	0.1	0.1	1.6	0.5	0	0	7.1	0.9	0.4	9.6	97.2	1.7
<u>Smithland</u>																
# Samples	18	18	17	18	8	18	18	17	18	0	18	18	18	18	17	17
# Detects	17	18	17	18	8	17	18	17	0	0	18	18	18	18	17	17
Maximum	190.0	77.0	240.0	0.6	1.6	0.3	7.2	2.9	0	0	97.0	9.0	7.9	28.0	567.0	16.5
Minimum	9.0	19.0	94.0	0	0.4	0	1.3	0.9	0	0	20.0	3.0	3.1	2.0	37.0	5.4
Mean	57.6	50.0	165.7	0.2	0.7	0.1	4.8	1.8	0	0	67.1	5.0	6.2	15.3	401.2	9.4
Std. Dev.	57.2	15.2	38.8	0.2	0.4	0.1	1.7	0.6	0	0	21.1	1.5	1.3	9.4	147.3	3.0
<u>Lock & Dam #52</u>																
# Samples	17	17	18	18	8	18	18	17	18	0	18	18	18	18	18	18
# Detects	16	17	18	16	7	17	18	17	0	0	17	18	18	17	18	18
Maximum	190.0	66.0	230.0	0.6	0.7	0.3	7.1	2.9	0	0	88.0	10.0	8.0	29.0	527.0	16.0
Minimum	6.0	10.0	72.0	0	0.4	0	1.0	0.1	0	0	34.2	2.0	3.5	0	261.0	5.3
Mean	41.9	40.6	147.8	0.2	0.5	0.1	4.4	1.5	0	0	50.3	4.7	6.6	16.1	401.1	9.5
Std. Dev.	54.3	18.7	47.9	0.2	0.1	0.1	1.6	0.8	0	0	13.9	2.0	1.0	9.7	78.7	2.9

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)						10 mg/L (HH)		5 mg/L	
								Ammonia Chronic AL			
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)	
New Cumberland	29-Nov-00	<3	85	138	<0.05		0.14	6.35	1.0	<5	
New Cumberland	16-Jan-01	<3	61	120	0.09		0.23	4.45	1.3	<5	
New Cumberland	20-Mar-01	14	53	88.1	0.12		0.07	3.58	1.1	<5	
New Cumberland	08-May-01	5	68	123.4	<0.05		<0.03	1.84	0.9	<5	
New Cumberland	12-Jul-01	6	82.3	156	<0.05		0.09	1.47	1.2	<5	
New Cumberland	17-Sep-01	9	87	150	<0.05		0.10	1.60	1.1	<5	
New Cumberland	12-Nov-01	5	100	150	<0.05		0.23	1.99	1.1	<5	
New Cumberland	17-Jan-02	2	81	120	0.07		0.33	4.45	1.0	<5	
New Cumberland	14-Mar-02	3	62	110	<0.05		0.11	2.80	0.9	<5	
New Cumberland	09-May-02	23	51	81	0.06		0.05	3.39	0.7	<5	
New Cumberland	16-Jul-02	6	63	136	0.070	0.24	0.03	1.47	1.3	<5	
New Cumberland	11-Sep-02	5.5	70	120	0.031	0.41	0.11	1.72	0.5	<5	
New Cumberland	07-Nov-02	10	80	128	0.065	0.38	0.09	2.75	1.2	<5	
New Cumberland	07-Jan-03	24	45	164	0.060	0.66	0.08	4.45		<5	
New Cumberland	05-Mar-03	15	53	104	0.068	0.38	0.06	2.80	2.2	<5	
New Cumberland	08-May-03	6.40	63	116	0.015	0.2	<0.03	2.98	1.1	<5	
New Cumberland	14-Jul-03	20.7	52	104	0.060	0.46	0.04	1.90	0.8	<5	
New Cumberland	15-Sep-03	8.2	52	88	0.046	0.40	0.05	2.22	1.0	<5	
									0.0		
Pike Island	28-Nov-00	<3	88	139	<0.05		0.10	5.81	1.0	5	
Pike Island	10-Jan-01	7	53	65.4	<0.05		0.22	7.71	1.2	<5	
Pike Island	20-Mar-01	13	57	95.6	0.10		0.08	3.18	1.0	<5	
Pike Island	02-May-01	<3	73	119.3	<0.05		<0.03	2.10	0.8	<5	
Pike Island	12-Jul-01	4	81.3	165	<0.05		0.13	1.65	1.1	<5	
Pike Island	17-Sep-01	7	85	150	<0.05		0.03	1.78	0.8	<5	
Pike Island	12-Nov-01	1	110	150	<0.05		0.21	2.42	1.1	<5	
Pike Island	17-Jan-02	5	92	140	0.09		0.38	3.56	1.1	<5	
Pike Island	14-Mar-02	3	72	130	0.05		0.11	2.80	0.9	<5	
Pike Island	09-May-02	20	54	87	0.05		0.05	4.03	0.6	<5	
Pike Island	16-Jul-02	4	88	128	0.084	0.14	<0.03	1.41	0.6	<5	
Pike Island	11-Sep-02	2.4	80	160	0.031	0.23	0.11	2.41	0.4	<5	
Pike Island	07-Nov-02	3	90	124	<0.01	0.31	0.1	5.28	1.1	<5	
Pike Island	07-Jan-03	19	48	104	0.068	0.50	0.08	7.71		<5	
Pike Island	05-Mar-03	46	54	100	0.104	0.35	0.06	3.18	2.1	<5	
Pike Island	08-May-03	7.33	62	128	<0.01	0.22	0.11	2.10	1.3	<5	
Pike Island	14-Jul-03	15.5	40	100	0.100	0.35	0.05	1.94	1.0	<5	
Pike Island	15-Sep-03	7.9	53	92	0.092	0.33	0.04	2.30	1.0	<5	
								0.00	0.0		
Hannibal	28-Nov-00	<3	88	143	0.07		0.13	5.39	1.5	<5	
Hannibal	10-Jan-01	4	50	96.5	0.06		0.19	6.35	1.0	<5	
Hannibal	14-Mar-01	10	69	107	0.08		0.13	3.18	1.1	<5	
Hannibal	02-May-01	5	63	103	<0.05		0.04	2.89	0.8	8	
Hannibal	09-Jul-01	8	77.3	169	0.06		0.12	2.12	1.2	<5	
Hannibal	12-Sep-01	6	87	140	0.59		0.03	2.08	0.9	5	

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)			10 mg/L (HH)			5 mg/L		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL	NO3/NO2 (mg/l)	Phenol (ug/l)
								Criterion		
Hannibal	06-Nov-01	18	120	160	<0.05		0.26	1.63	1.9	<5
Hannibal	02-Jan-02	7	55	100	0.05		0.29	5.30	1.0	<5
Hannibal	11-Mar-02	4	70	120	0.05		0.12	3.18	0.9	<5
Hannibal	06-May-02	25	54	96	0.05		0.06	2.43	0.6	<5
Hannibal	11-Jul-02	9	63	124	0.052	0.32	<0.03	1.98	0.8	<5
Hannibal	05-Sep-02	13	80	138	0.027	0.31	0.06	2.57	1.3	<5
Hannibal	07-Nov-02	5	77	208	0.023	0.41	0.1	2.11	0.9	<5
Hannibal	07-Jan-03	26	49	104	0.046	0.50	0.07	5.30		<5
Hannibal	05-Mar-03	25	60	104	0.124	0.29	0.06	3.18	1.5	<5
Hannibal	08-May-03	7.00	40	128	0.173	0.13	0.10	1.71	0.8	<5
Hannibal	14-Jul-03	19.0	60	136	0.026	0.37	0.03	2.26	0.7	<5
Hannibal	15-Sep-03	6.7	53	96	0.022	0.32	0.04	3.33	1.1	<5
									0.0	
Willow Island	28-Nov-00	<3	87	141	0.06		0.10	5.44	1.4	29
Willow Island	10-Jan-01	<3	49	93.7	<0.05		0.14	5.97	1.0	<5
Willow Island	21-Mar-01	10	61	105	<0.05		0.07	2.80	1.1	<5
Willow Island	02-May-01	6	94	106	<0.05		<0.03	2.86	0.8	6
Willow Island	09-Jul-01	74	74.7	145	0.28		0.15	1.78	1.0	<5
Willow Island	12-Sep-01	<1	90	140	0.93		<0.03	1.95	0.8	6
Willow Island	06-Nov-01	23	120	160	<0.05		0.18	1.20	1.5	<5
Willow Island	02-Jan-02	3	62	110	0.05		0.31	4.45	1.1	<5
Willow Island	11-Mar-02	5	72	130	0.05		0.08	2.10	0.9	<5
Willow Island	06-May-02	24	56	200	0.05		0.05	3.85	0.7	<5
Willow Island	10-Jul-02	38.3	78	120	0.045	0.37	0.04	2.64	0.8	6
Willow Island	05-Sep-02	6	93	133	0.023	0.28	0.04	2.42	1.3	<5
Willow Island	07-Nov-02	5	103	132	<0.01	0.48	0.09	1.55	1.3	<5
Willow Island	07-Jan-03	34	53	88	0.106	3.94	0.07	4.45		<5
Willow Island	12-Mar-03	47	49	120	0.084	0.38	0.07	2.10	1.5	<5
Willow Island	15-May-03	57.0	57	120	0.275	0.31	0.03	3.18	0.7	<5
Willow Island	10-Jul-03	17.2	48	124	0.030	0.58	0.05	2.64	0.6	<5
Willow Island	09-Sep-03	6.4	55	92	0.090	0.21	0.06	2.42	1.2	<5
									0.0	
Belleville	28-Nov-00	6	106	165	0.12		0.09	5.50	1.5	<5
Belleville	10-Jan-01	<3	60	115	0.05		0.17	4.10	1.2	<5
Belleville	21-Mar-01	10	60	129	0.08		0.08	2.43	1.2	<5
Belleville	03-May-01	6	66	128	0.06		<0.03	1.34	0.9	<5
Belleville	10-Jul-01	24	66.4	153	0.08		0.10	1.67	0.9	<5
Belleville	12-Sep-01	4	82	150	<0.05		0.25	1.50	0.7	<5
Belleville	07-Nov-01	4	110	170	<0.05		0.24	2.39	1.6	<5
Belleville	03-Jan-02	5	68	140	0.05		0.31	4.01	1.3	<5
Belleville	12-Mar-02	8	73	140	0.18		0.07	1.52	1.0	<5
Belleville	07-May-02	20	61	120	0.06		0.06	3.39	0.7	<5
Belleville	10-Jul-02	6	82	140				2.53		7
Belleville	05-Sep-02	8	130	173	0.021	0.4	0.03	1.60	1.2	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)			10 mg/L (HH)			5 mg/L		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL	NO3/NO2 (mg/l)	Phenol (ug/l)
								Criterion		
Belleville	14-Nov-02	12	48	168	0.047	1	0.09	2.72	1.8	<5
Belleville	09-Jan-03	34	47	92	0.11	0.59	0.07	4.01		<5
Belleville	12-Mar-03	81	54	120	0.313	0.58	0.25	1.52	0.8	<5
Belleville	15-May-03	57.8	38	124	0.267	0.33	0.04	3.28	1.8	<5
Belleville	10-Jul-03	30.0	52	128	0.090	0.39	0.04	2.70	0.6	<5
Belleville	09-Sep-03	4.8	47	108	0.058	0.22	0.05	2.07	1.0	<5
									0.0	
R.C. Byrd	13-Nov-00	19	82	129	0.06		0.06	4.04	0.9	<5
R.C. Byrd	16-Jan-01	10	60	22.5	0.10		0.19	6.04	1.2	<5
R.C. Byrd	21-Mar-01	36	52	106	0.05		0.11	2.43	0.9	<5
R.C. Byrd	03-May-01	10	58	109	<0.05		<0.03	2.38	0.9	<5
R.C. Byrd	10-Jul-01	76	56.7	146	<0.05		0.15	2.57	0.7	<5
R.C. Byrd	13-Sep-01	14	73	120	0.09		0.07	2.27	0.5	<5
R.C. Byrd	07-Nov-01	36	110	170	<0.05		0.21	1.87	1.2	<5
R.C. Byrd	03-Jan-02	12	76	150	<0.05		0.33	4.45	1.3	<5
R.C. Byrd	12-Mar-02	16	63	130	0.35		0.06	1.79	0.8	<5
R.C. Byrd	07-May-02	45	36	67	0.08		0.07	4.33	0.5	<5
R.C. Byrd	10-Jul-02	17	65	120	0.077	0.42	0.07	2.13	0.9	5
R.C. Byrd	05-Sep-02	8	97	132	0.061	0.42	0.07	1.95	1.4	<5
R.C. Byrd	14-Nov-02	44	43	88	0.095	0.15	0.06	1.87	1.6	<5
R.C. Byrd	09-Jan-03	45	32	84	0.110	0.39	0.05	4.45		<5
R.C. Byrd	12-Mar-03	27	37	52	0.064	0.22	0.18	1.79	1.4	<5
R.C. Byrd	15-May-03	44.0	40	88	0.211	0.18	0.04	4.33	1.3	<5
R.C. Byrd	10-Jul-03	29.3	57	108	0.108	0.53	0.06	2.50	0.9	<5
R.C. Byrd	09-Sep-03	17	46	80	0.088	0.23	0.05	2.69	1.0	<5
									0.0	
Greenup	13-Nov-00	9	95	140	<0.05		0.04	3.84	1.3	<5
Greenup	16-Jan-01	19	64	121	0.10		0.17	6.04	1.2	<5
Greenup	14-Mar-01	35	82	85.4	0.10		0.03	2.10	0.8	<5
Greenup	02-May-01	8	60	110	<0.05		0.04	3.18	0.9	<5
Greenup	09-Jul-01	30	68.1	164	0.05		0.07	1.33	0.8	<5
Greenup	12-Sep-01	<1	87	160	<0.05		<0.03	1.33	0.7	<5
Greenup	07-Nov-01	5	100	170	<0.05		0.17	2.27	1.1	<5
Greenup	02-Jan-02	9	86	150	0.15		0.29	3.13	1.4	<5
Greenup	12-Mar-02	7	69	130	0.06		0.06	1.79	0.8	<5
Greenup	06-May-02	160	59	91	0.14		0.05	3.98	0.6	<5
Greenup	11-Jul-02	13	73	138	0.017	0.53	0.10	1.50	1.3	<5
Greenup	09-Sep-02	12	100	156	0.023	0.32	0.09	1.50	0.8	<5
Greenup	13-Nov-02	18	60	100	0.117	0.42	0.06	2.50	1.3	<5
Greenup	08-Jan-03	122	47	120	0.220	0.71	0.05	3.13		<5
Greenup	11-Mar-03	58	273	116	0.303	0.45	0.09	1.79	1.7	<5
Greenup	14-May-03	224	37	136	0.637	1.05	<0.03	2.79	0.6	<5
Greenup	09-Jul-03	87.0	58	252	0.116	0.74	0.05	1.60	0.8	<5
Greenup	08-Sep-03	20	39	100	0.122	0.65	0.07	2.07	0.8	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)						10 mg/L (HH)		5 mg/L
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL	NO3/NO2 (mg/l)	Phenol (ug/l)
								Criterion		
									0.0	
Meldahl	20-Nov-00	9	87	153	0.11		<0.03	2.91	1.5	<5
Meldahl	31-Jan-01	44	46	106	0.07		0.13	6.99	1.1	<5
Meldahl	04-Mar-01	6	49	103	0.07		0.06	6.65	1.3	<5
Meldahl	13-May-01	6	66	119	<0.05		0.03	1.61	1.0	<5
Meldahl	22-Jul-01	51	56.8	121	0.06		0.04	2.26	1.0	5.4
Meldahl	16-Sep-01	10	85	170	<0.05		0.09	2.08	0.6	<5
Meldahl	04-Nov-01	2	93	160	<0.05		0.18	2.66	1.1	<5
Meldahl	13-Jan-02	4	81	160	0.08		0.38	4.45	1.5	<5
Meldahl	17-Mar-02	54	64	150	0.11		0.06	2.80	0.9	<5
Meldahl	12-May-02	83	49	94	0.07		0.03	3.39	0.9	<5
Meldahl	21-Jul-02	3.7	75	132	0.027	0.24	0.05	0.37	0.8	<5
Meldahl	08-Sep-02	7	80	148	0.037	0.38	0.03	2.08	0.8	<5
Meldahl	03-Nov-02	14	113	146	0.023	0.58	0.07	0.19	0.7	<5
Meldahl	12-Jan-03	25	42	112	0.106	0.43	0.04	4.45		<5
Meldahl	09-Mar-03	50	32	112	0.463	0.40	0.06	2.80	0.8	<5
Meldahl	04-May-03	9	59	108	0.239	0.13	<0.03	3.30	0.9	<5
Meldahl	13-Jul-03	57.0	42	108	0.160	0.36	<0.03	0.37	0.7	<5
Meldahl	13-Sep-03	19	53	116	0.084	0.44	0.06	2.08	2.3	<5
									0.0	
Anderson Ferry	20-Nov-00	8	78	146	0.05		0.23	3.72	1.2	<5
Anderson Ferry	31-Jan-01	40	53	118	0.27		0.17	4.45	1.2	<5
Anderson Ferry	07-Mar-01	38	53	115	0.14		0.09	6.57	1.2	<5
Anderson Ferry	13-May-01	5	43	97.5	<0.05		0.08	3.73	1.2	<5
Anderson Ferry	11-Jul-01	46	70.7	177	<0.05		0.14	1.61	1.0	<5
Anderson Ferry								7.09	0.0	
Anderson Ferry	25-Oct-01	70	57	99	0.49		0.18	4.83	0.8	<5
Anderson Ferry	14-Nov-01	9	90	180	1.10		0.33	3.16	1.3	<5
Anderson Ferry	30-Jan-02	120	60	150	0.23			4.45	1.1	<5
Anderson Ferry	06-Mar-02	12	61	220	<0.05		0.06	6.57	1.2	<5
Anderson Ferry	29-May-02	32	55	130	0.09		0.13	3.73	1.0	<5
Anderson Ferry	29-Jul-02	18	73	144	0.037	0.32	0.12	1.61	0.9	<5
Anderson Ferry	30-Sep-02	16	105	168	0.047	0.44	0.13	2.70	1.7	<5
Anderson Ferry	25-Nov-02	15.5	70	120	0.064	0.57	0.08	3.50	1.2	<5
Anderson Ferry	28-Jan-03	9.5	50	144	0.024	0.39	0.17	4.45		<5
Anderson Ferry	26-Mar-03	45	42	132	0.152	0.23	0.05	6.57	0.8	<5
Anderson Ferry	15-May-03	682	49	192	0.767	1.35	0.05	2.04	0.4	<5
Anderson Ferry	23-Jul-03	21.3	62	140	0.106	0.38	0.10	1.45	1.3	<5
Anderson Ferry	17-Sep-03	16	56	124	0.068	0.52	0.23	2.70	1.5	<5
									0.0	
Markland	31-Jan-01	57	55	129	0.28		0.21	4.27	1.2	<5
Markland	04-Mar-01	9	47	124	0.10		0.09	4.98	1.5	<5
Markland	17-May-01	10	63	126	0.08		0.04	0.99	1.1	<5
Markland	22-Jul-01	57	38.1	125	0.14		0.18	1.87	1.0	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)						10 mg/L (HH)		5 mg/L
								Ammonia Chronic AL		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)
Markland	16-Sep-01	8	50	190	<0.05		0.23	2.02	0.8	<5
Markland	04-Nov-01	5	69	190	<0.05		0.27	2.55	1.7	<5
Markland	13-Jan-02	7	74	210	0.14		0.33	3.56	2.0	<5
Markland	17-Mar-02	42	61	160	0.15		0.16	2.80	1.2	<5
Markland	12-May-02	100	49	110	0.45		0.03	2.69	1.0	<5
Markland	21-Jul-02	6.5	65	140	0.049	0.36	0.05	0.42	1.3	<5
Markland	08-Sep-02	17	73	136	0.043	0.36	0.03	2.02	0.8	<5
Markland	03-Nov-02	17	90	164	0.069	0.5	0.08	0.79	0.7	<5
Markland	12-Jan-03	25	45	144	0.168	0.45	0.05	3.56		<5
Markland	09-Mar-03	88	43	120	0.348	0.44	0.07	2.80	0.9	<5
Markland	04-May-03	10	55	124	0.059	0.13	0.05	0.76	1.4	<5
Markland	13-Jul-03	55.0	40	120	0.132	0.52	0.04	0.42	1.1	<5
Markland	14-Sep-03	39	52	120	0.332	0.48	0.05	2.02	1.4	<5
									0.0	
Louisville	16-Nov-00	7	95	167	0.16		0.13	2.87	1.1	<5
Louisville	25-Jan-01	43	59	148	0.09		0.14	3.13	1.4	<5
Louisville	08-Mar-01	44	49	136	0.61		0.07	2.80	1.2	<5
Louisville	17-May-01	20	62	142	0.07		0.11	1.14	1.1	<5
Louisville	12-Jul-01	17	61	197	<0.05		0.05	1.87	0.0	<5
Louisville	25-Sep-01	22	61	160	0.38		0.03	2.02	1.3	<5
Louisville	20-Nov-01	3	82	200	1.10		0.31	2.55	1.5	<5
Louisville	22-Jan-02	5	76	200	0.09		<0.03	3.56	1.5	<5
Louisville	07-Mar-02	13	61	160	0.06		0.08	2.80	1.4	<5
Louisville	29-May-02	41	49	146	0.07		0.12	2.69	1.1	<5
Louisville	18-Jul-02	12	67	144	0.055	0.47	<0.03	0.42	0.8	8
Louisville	19-Sep-02	20	77	140	0.067	<0.10	0.08	2.02	1.3	<5
Louisville	14-Nov-02	100	57	160	0.369	0.75	0.05	0.79	1.5	<5
Louisville	14-Jan-03	24	47	140	0.146	0.38	0.04	3.56		<5
Louisville	11-Mar-03	48	77	148	0.428	0.38	0.04	2.80	0.6	<5
Louisville	14-May-03	106	41	148	0.517	0.32	0.04	0.76	0.8	<5
Louisville	24-Jul-03	38.4	57	132	0.237	0.14	0.05	0.42	0.7	<5
Louisville	17-Sep-03	11	52	132	0.172	0.37	0.03	2.02	1.7	<5
									0.0	
West Point	16-Nov-00	10	102	175	0.21		0.26	3.13	1.4	<5
West Point	25-Jan-01	75	66	166	0.13		0.19	7.21	1.6	
West Point	08-Mar-01	61	57	136	0.28		0.08	5.48	1.3	<5
West Point	17-May-01	28	86	164	0.18		0.20	1.25	1.2	<5
West Point	12-Jul-01	37	75.3	234	0.05		0.06	1.56	1.8	<5
West Point	25-Sep-01	13	66	160	0.57		0.22	1.78	1.2	<5
West Point	20-Nov-01	14	99	230			0.76	1.97	1.6	<5
West Point	22-Jan-02	14	100	220	0.23		0.42	3.56	1.4	<5
West Point	07-Mar-02	71	64	170	0.11		0.2	2.80	1.4	<5
West Point	29-May-02	350	59	19	0.39		0.15	3.14	1.1	<5
West Point	18-Jul-02	53	88	188	0.179	0.57	0.12	0.40	1.5	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)			10 mg/L (HH)			5 mg/L		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Ammonia Chronic AL	NO3/NO2 (mg/l)	Phenol (ug/l)
								Criterion		
West Point	19-Sep-02	19	113	192	0.013	0.53	0.13	1.56	1.2	<5
West Point	14-Nov-02	157	57	160	1.14	0.7	0.11	0.75	0.6	<5
West Point	14-Jan-03	62	55	152	0.280	0.79	0.13	3.56		<5
West Point	11-Mar-03	52	61	168	0.308	0.45	0.07	2.80	1.2	<5
West Point	14-May-03	413	53	164	0.847	0.90	<0.03	0.70	0.7	<5
West Point	24-Jul-03	113	93	116	0.329	0.28	0.07	0.52	0.6	<5
West Point	17-Sep-03	17	70	164	0.288	0.68	0.11	2.02	1.4	<5
									0.0	
Cannelton	16-Nov-00	7	89	158	0.17		0.10	2.84	1.4	<5
Cannelton	11-Jan-01	11	51	145	0.16		0.16	4.45	1.8	<5
Cannelton	08-Mar-01	55	50	137	0.17		0.09	5.39	1.5	<5
Cannelton	17-May-01	8	60	134	<0.05		0.05	1.52	1.4	<5
Cannelton	12-Jul-01	9	63.5	209	0.05		<0.03	1.72	1.6	<5
Cannelton	20-Sep-01	8	59	150	0.23		0.07	1.09	1.3	<5
Cannelton	08-Nov-01	10	59	160	0.08		0.29	1.54	1.3	<5
Cannelton	10-Jan-02	5	71	210	<0.05		0.31	1.22	1.9	<5
Cannelton	07-Mar-02	12	56	160	0.08		0.13	2.43	1.4	<5
Cannelton	02-May-02	240	41	120	0.34		0.05	2.89	1.1	<5
Cannelton	01-Aug-02	3	65	124	0.049	0.42	<0.03	0.58	1.1	5
Cannelton	12-Sep-02	9.5	77	140	0.013	3.28	0.05	0.96	1.3	<5
Cannelton	07-Nov-02	35	83	160	0.159	0.59	0.07	2.27	0.6	<5
Cannelton	09-Jan-03	132	43	120	0.451	0.77	0.09	3.56		<5
Cannelton	06-Mar-03	93	24	124	0.411	0.32	0.04	2.80	1.2	<5
Cannelton	08-May-03	118	40	136	0.527	0.49	<0.03	2.23	0.9	<5
Cannelton	17-Jul-03	30.7	48	164	0.128	0.28	0.03	1.67	0.9	<5
Cannelton	18-Sep-03	10	39	120	0.132	0.44	0.07	1.42	2.1	<5
									0.0	
Newburgh	16-Nov-00	10	80	163	0.14		0.06	2.55	1.7	<5
Newburgh	11-Jan-01	13	58	151	0.15		0.15	3.56	1.7	6
Newburgh	08-Mar-01	100	51	136	0.78		0.06	5.08	1.4	<5
Newburgh	17-May-01	19	62	133	<0.05		<0.03	0.50	1.4	<5
Newburgh	12-Jul-01	32	62.8	195	0.05		0.03	1.67	1.7	<5
Newburgh	20-Sep-01	9	61	160	0.08		<0.03	0.73	1.2	<5
Newburgh	08-Nov-01	13	71	180	<0.05		0.18	1.43	1.7	<5
Newburgh	10-Jan-02	9	83	230	<0.05		0.44	1.44	2.0	<5
Newburgh	07-Mar-02	28	65	170	0.1		0.14	2.43	1.5	<5
Newburgh	02-May-02	240	40	136	0.31		0.09	2.36	0.9	<5
Newburgh	01-Aug-02	4.0	75	132	0.049	0.46	<0.03	0.58	0.9	<5
Newburgh	12-Sep-02	8	63	204	0.031	0.3	0.05	0.75	1.1	<5
Newburgh	07-Nov-02	30	80	208	0.093	0.75	0.09	2.27	1.6	<5
Newburgh	09-Jan-03	142	45	148	0.451	0.75	0.06	3.56		<5
Newburgh	06-Mar-03	128	56	112	0.501	0.49	0.04	3.18	0.7	<5
Newburgh	08-May-03	168	45	132	0.717	0.65	0.03	2.38	1.5	<5
Newburgh	17-Jul-03	107	52	120	0.297	0.41	0.04	1.67	0.8	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)						10 mg/L (HH)		5 mg/L
								Ammonia Chronic AL		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)
Newburgh	18-Sep-03	13	50	168	0.070	0.39	0.08	1.42	1.4	<5
									0.0	
J.T. Myers	16-Nov-00	10	75	153	0.15		<0.03	3.86	1.5	<5
J.T. Myers	11-Jan-01	16	57	146	0.16		0.18	6.35	1.5	<5
J.T. Myers	08-Mar-01	80	47	130	0.26		0.07	6.12	1.4	<5
J.T. Myers	17-May-01	14	65	139	<0.05		0.04	0.97	1.3	<5
J.T. Myers	12-Jul-01	32	55.2	207	<0.05		0.05	1.98	1.7	<5
J.T. Myers	20-Sep-01	12	53	130	0.05		0.04	1.24	1.2	<5
J.T. Myers	08-Nov-01	11	53	170	0.11		0.28	1.87	2.0	<5
J.T. Myers	10-Jan-02	7	82	220	0.59		0.29	2.01	1.9	<5
J.T. Myers	07-Mar-02	21	61	160	0.07		0.1	2.43	1.5	<5
J.T. Myers	02-May-02	160	41	128	0.26		<0.03	2.54	0.9	<5
J.T. Myers	01-Aug-02	9.5	54	140	0.029	0.48	0.03	0.77	0.1	<5
J.T. Myers	12-Sep-02	6.5	53	164	0.037	0.25	0.12	1.07	0.7	<5
J.T. Myers	07-Nov-02	14	93	144	0.151	0.48	0.05	2.72	0.8	<5
J.T. Myers	09-Jan-03	156	42	144	0.412	<0.1	0.05	4.01		<5
J.T. Myers	06-Mar-03	164	42	108	0.691	0.43	0.05	3.18	0.8	<5
J.T. Myers	08-May-03	129	38	124	0.467	0.37	0.04	3.18	1.3	<5
J.T. Myers	17-Jul-03	177	38	152	0.532	0.47	0.05	2.27	0.8	<5
J.T. Myers	18-Sep-03	16	52	136	0.160	0.41	0.14	2.07	0.8	<5
									0.0	
Smithland	15-Nov-00	14	70	173	0.24		0.06	3.78	1.5	<5
Smithland	31-Jan-01	31	59		0.29		0.18	7.21	2.2	<5
Smithland	01-Mar-01	129	54	154	0.06		0.06	6.57	2.9	<5
Smithland	09-May-01	9	65	164.4	0.12		0.12	4.55	1.5	<5
Smithland	03-Jul-01	9	36.3	205	0.13		0.16	3.56	2.2	<5
Smithland	10-Sep-01	16	52	160	0.13		0.13	3.77	0.9	<5
Smithland	06-Nov-01	<1	42	190	0.05		0.21	4.31	2.8	<5
Smithland	08-Jan-02	120	66	240	0.18		0.34	7.21	2.0	<5
Smithland	05-Mar-02	18	58	220	0.1		0.07	6.82	2.0	<5
Smithland	07-May-02	89	41	94	0.16		0.07	5.30	1.7	<5
Smithland	15-Jul-02	11	57	188	0.045	0.58	0.04	2.80	1.5	<5
Smithland	09-Sep-02	9	52	171	0.073	0.53	0.19	1.25	1.3	<5
Smithland	11-Nov-02	59	77	200	0.169	1.58	0.09	4.31	1.5	<5
Smithland	06-Jan-03	67	27	140	0.286	0.52	0.11	6.35		<5
Smithland	03-Mar-03	146	38	120	0.561	0.56	0.18	5.91	1.2	<5
Smithland	06-May-03	42	41	120	0.187	0.50	<0.03	5.31	1.1	<5
Smithland	07-Jul-03	19.3	45	130	0.044	0.61	0.24	2.94	1.9	<5
Smithland	09-Sep-03	190	19	148	0.612	0.44	0.06	4.10	1.5	<5
									0.0	
Lock & Dam 52	15-Nov-00	27	66	182	0.17		0.09	4.12	1.5	<5
Lock & Dam 52	10-Jan-01	16	58	189	0.19		0.13	4.45	2.3	<5
Lock & Dam 52	01-Mar-01	143	58	152	0.31		0.06	6.87	2.9	<5
Lock & Dam 52	09-May-01	10	60	171.5	0.10		0.12	4.21	1.5	<5

BiMonthly Mainstem Stations October 2000 - September 2003

CRITERIA		250 mg/L (HH)						10 mg/L (HH)		5 mg/L
								Ammonia Chronic AL		
Station Name	Date	SS (mg/l)	SO4 (mg/l)	THARD (mg/l)	TPHOS (mg/l)	TKN	NH3-N (mg/l)	Criterion	NO3/NO2 (mg/l)	Phenol (ug/l)
Lock & Dam 52	03-Jul-01	6	16.3	80	<0.05		0.12	3.13	0.1	<5
Lock & Dam 52	10-Sep-01	18	46	150	0.14		0.07	3.62	0.8	<5
Lock & Dam 52	06-Nov-01	<1	41	200	0.06		0.17	3.86	2.6	<5
Lock & Dam 52	08-Jan-02	16	62	230	0.06		0.31	6.85	2.0	<5
Lock & Dam 52	05-Mar-02	26	58	220	0.1		0.05	5.39	2.0	<5
Lock & Dam 52	07-May-02	8	11	130	<0.05		0.08	5.33	0.2	<5
Lock & Dam 52	15-Jul-02	15	43	188	0.197	0.45	0.23	2.73	1.9	<5
Lock & Dam 52	09-Sep-02			103	0.109	0.44	0.05	1.02	0.5	<5
Lock & Dam 52	11-Nov-02	7	10	72	0.029	0.47	0.06	3.79	0.5	<5
Lock & Dam 52	06-Jan-03	92	39	136	0.421	0.69	0.07	6.35		<5
Lock & Dam 52	03-Mar-03	61	33	112	0.301	0.42	0.04	7.09	2.2	<5
Lock & Dam 52	06-May-03	7	14	80	0.055	<0.10	<0.03	4.59	1.4	<5
Lock & Dam 52	07-Jul-03	28.0	39	128	0.044	0.61	0.19	2.83	1.0	<5
Lock & Dam 52	09-Sep-03	190	36	136	0.602	0.52	0.06	3.66	1.5	<5

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
New Cumberland	29-Nov-00	0.005	34	2	7.1	6.1	490	11.9
New Cumberland	16-Jan-01	<0.005	52	4	7.6	2.1	415	13
New Cumberland	20-Mar-01	<0.005	32	4	7.7	12	250	11.8
New Cumberland	08-May-01		26	3	7.8	23	370	9.4
New Cumberland	12-Jul-01		32	2.61	7.6	30	420	7
New Cumberland	17-Sep-01		39	2.8	7.7	27	500	7.6
New Cumberland	12-Nov-01	<0.005	42	2.9	7.8	16	530	9.7
New Cumberland	17-Jan-02	<0.005	40	2.3	7.6	5	420	12.8
New Cumberland	14-Mar-02	<0.005	35	2.1	7.9	12	350	11
New Cumberland	09-May-02		18	3	7.6	17	250	10.2
New Cumberland	16-Jul-02		31	2.58	7.6	30	420	7.5
New Cumberland	11-Sep-02		50	4.75	7.5	29	470	6.9
New Cumberland	07-Nov-02	<0.005	22	3.09	7.8	11	470	10.8
New Cumberland	07-Jan-03	<0.005	26	3.53	7.6	4	300	12.6
New Cumberland	05-Mar-03	<0.005	41	2.17	7.9	3	370	13.6
New Cumberland	08-May-03		34	2.78	7.6	19	400	8.50
New Cumberland	14-Jul-03		20	3.47	7.6	26	310	8.1
New Cumberland	15-Sep-03		33	3.09	7.5	25	280	8.7
					0	0		
Pike Island	28-Nov-00	<0.005	31	3	7.08	8.5	413	12.13
Pike Island	10-Jan-01	<0.005	32	3	6.17	1.38	331	14.9
Pike Island	20-Mar-01	<0.005	32	4	7.8	7	260	12.7
Pike Island	02-May-01		19	2	7.9	19	360	9.3
Pike Island	12-Jul-01		33.5	3.15	7.7	26.5	430	7.7
Pike Island	17-Sep-01		43	3.3	7.6	27	450	7.8
Pike Island	12-Nov-01	<0.005	43	2.4	7.8	13	520	9.1
Pike Island	17-Jan-02	<0.005	57	2.4	7.8	4	500	11.3
Pike Island	14-Mar-02	<0.005	32	2.1	7.9	10	380	12
Pike Island	09-May-02		17	2.7	7.4	17	250	10.2
Pike Island	16-Jul-02		29	2.92	7.7	29	410	8.3
Pike Island	11-Sep-02		40	3.76	7.2	27	480	7.1
Pike Island	07-Nov-02	<0.005	42	2.77	7.08	10	480	10.4
Pike Island	07-Jan-03	<0.005	25	2.89	6.17	1	270	13.7
Pike Island	05-Mar-03	<0.005	<1.0	2.95	7.8	4	380	12.9
Pike Island	08-May-03		40	2.84	7.9	19	410	8.30
Pike Island	14-Jul-03		24	3.11	7.7	24	300	7.9
Pike Island	15-Sep-03		22	3.20	7.6	23	290	8.4
					0	0		
Hannibal	28-Nov-00	<0.005	43	3	7.26	8.22	460	11.78
Hannibal	10-Jan-01	<0.005	34	3	7.1	1.35	332	14.23
Hannibal	14-Mar-01	<0.005	52	<1	7.8	6	360	12.7
Hannibal	02-May-01		25	2	7.8	16	360	9.3
Hannibal	09-Jul-01		33	2.6	7.4	27	440	7.6
Hannibal	12-Sep-01		52	4.3	7.5	26	450	7.6

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
Hannibal	06-Nov-01	<0.005	54	2.5	8	15	590	9.5
Hannibal	02-Jan-02	<0.005	25	3.1	7.4	2	320	12.4
Hannibal	11-Mar-02	<0.005	46	2.2	7.8	7	420	12.4
Hannibal	06-May-02		18	3.7	8	14	350	10.7
Hannibal	11-Jul-02		32	2.72	7.4	28	400	7
Hannibal	05-Sep-02		48	2.88	7.2	26	510	7.5
Hannibal	07-Nov-02	<0.005	41	3.09	8	11	560	10.3
Hannibal	07-Jan-03	<0.005	26	3.28	7.4	3	280	14.0
Hannibal	05-Mar-03	<0.005	37	2.35	7.8	6	360	13.5
Hannibal	08-May-03		30	2.72	8	20	410	8.80
Hannibal	14-Jul-03		36	3.26	7.4	26	360	8.5
Hannibal	15-Sep-03		21	3.23	7.2	22	300	8.1
					0	0		
Willow Island	28-Nov-00	<0.005	41	3	7.22	8.44	455	11.37
Willow Island	10-Jan-01	<0.005	34	4	7.22	0.79	315	13.78
Willow Island	21-Mar-01	<0.005	38	2	7.9	6	340	12.4
Willow Island	02-May-01		26	2	7.7	18	280	9.6
Willow Island	09-Jul-01		31	3.41	7.6	27	370	8.1
Willow Island	12-Sep-01		41	3.8	7.5	27	420	7.9
Willow Island	06-Nov-01	<0.005	53	2.7	8.2	15	610	9.7
Willow Island	02-Jan-02	<0.005	25	3.5	7.6	3	290	12.4
Willow Island	11-Mar-02	<0.005	35	2.6	8.1	7	380	12.8
Willow Island	06-May-02		20	2.5	7.6	15	420	10.7
Willow Island	10-Jul-02		24	2.43	7	27	370	7.2
Willow Island	05-Sep-02		36	2.8	7.3	26	470	8
Willow Island	07-Nov-02	<0.005	37	3.06	8.2	11	520	10.8
Willow Island	07-Jan-03	<0.005	25	3.58	7.6	4	280	13.7
Willow Island	12-Mar-03	<0.005	47	2.23	8.1	5	400	14.10
Willow Island	15-May-03		19	4.15	7.6	18	300	9.30
Willow Island	10-Jul-03		25	2.46	7	27	380	7.0
Willow Island	09-Sep-03		18	3.15	7.3	26		
					0	0		
Belleville	28-Nov-00	<0.005	43	4	7.22	8.28	482	11.37
Belleville	10-Jan-01	<0.005	33	4	7.68	0.79	353	14.07
Belleville	21-Mar-01	<0.005	36	2	8	6.5	370	12.8
Belleville	03-May-01		30	3	8.2	19	260	9.7
Belleville	10-Jul-01		34.2	3.26	7.6	28	370	7.4
Belleville	12-Sep-01		37	4	7.7	28	420	7.7
Belleville	07-Nov-01	<0.005	49	3	7.7	15	530	11
Belleville	03-Jan-02	<0.005	25	3.3	7.7	2	340	12
Belleville	12-Mar-02	<0.005	35	2.2	8.3	7	380	12.4
Belleville	07-May-02		21	2.7	7.6	17	310	10.6
Belleville	10-Jul-02		26	2.98	7.1	27	410	9
Belleville	05-Sep-02		48	2.92	7.7	27	610	7.8

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
Belleville	14-Nov-02	<0.005	39	3.28	7.7	13	500	9.5
Belleville	09-Jan-03	0.023	19	3.04	7.7	6	310	13.9
Belleville	12-Mar-03	<0.005	40	3.53	8.3	4	370	13.00
Belleville	15-May-03		33	4.55	7.6	17.5	330	9.30
Belleville	10-Jul-03		34	2.75	7.1	26	390	7.6
Belleville	09-Sep-03		20	3.70	7.7	23	320	8.2
					0	0		
R.C. Byrd	13-Nov-00	<0.005	30	3	7.1	14	430	9.6
R.C. Byrd	16-Jan-01	<0.005	32	5	7.2	1.7	365	14.7
R.C. Byrd	21-Mar-01	<0.005	36	2	8	9	340	10.9
R.C. Byrd	03-May-01		22	3	7.8	19	270	9
R.C. Byrd	10-Jul-01		21.9	2.79	7.4	24	320	7.3
R.C. Byrd	13-Sep-01		28	3.1	7.3	27	410	7.3
R.C. Byrd	07-Nov-01	<0.005	54	2.7	7.8	17	550	7.8
R.C. Byrd	03-Jan-02	<0.005	25	3.1	7.6	4	350	10
R.C. Byrd	12-Mar-02	<0.005	32	2.4	8.2	8	360	12.9
R.C. Byrd	07-May-02		10	2.9	7.3	17	180	9.8
R.C. Byrd	10-Jul-02		23	2.98	7.3	28	390	7
R.C. Byrd	05-Sep-02		29	3.19	7.5	27	460	7.1
R.C. Byrd	14-Nov-02	<0.005	14	3.47	7.8	17		
R.C. Byrd	09-Jan-03	<0.005	19	3.45	7.6	6	230	13.7
R.C. Byrd	12-Mar-03	<0.005	36	2.05	8.2	5	270	12.40
R.C. Byrd	15-May-03		23	3.43	7.3	17	240	8.20
R.C. Byrd	10-Jul-03		24	2.96	7.3	25.5	310	7.5
R.C. Byrd	09-Sep-03		10	2.97	7.5	22	250	7.7
					0	0		
Greenup	13-Nov-00		34	3	7.1	14.8	480	9.8
Greenup	16-Jan-01		31	4	7.2	2.4	280	14.4
Greenup	14-Mar-01		26	<1	8.1	10	220	12.2
Greenup	02-May-01		22	3	7.6	18	290	10.1
Greenup	09-Jul-01		24.2	2.85	7.8	28	370	7.7
Greenup	12-Sep-01		33	3.4	7.9	26	420	8.5
Greenup	07-Nov-01		47	2.9	7.8	14	540	9.4
Greenup	02-Jan-02		27	3.8	7.9	4	360	10.9
Greenup	12-Mar-02		32	2.3	8.2	7	390	12.1
Greenup	06-May-02		13	2.6	7.6	14	320	9.3
Greenup	11-Jul-02		20	2.76	7.7	28	400	7.5
Greenup	09-Sep-02		47	3.26	7.7	28	510	7.4
Greenup	13-Nov-02		20	4.38	7.8	12.5	340	10.9
Greenup	08-Jan-03		20	4.53	7.9	7	280	13.8
Greenup	11-Mar-03		40	2.73	8.2	6	340	13.80
Greenup	14-May-03		21	6.53	7.6	20	280	8.10
Greenup	09-Jul-03		39	6.22	7.7	27	310	7.7
Greenup	08-Sep-03		29	4.96	7.7	23	300	8.0

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
					0	0		
Meldahl	20-Nov-00		34	3	7.72	11.61	469	10.05
Meldahl	31-Jan-01		27	6	6.83	2.29	316	13.06
Meldahl	04-Mar-01		21	2	6.52	6.88	301	11.82
Meldahl	13-May-01		22	2	8.02	20.51	354	9.6
Meldahl	22-Jul-01		20.5	3.52	7.4	26	322	5.6
Meldahl	16-Sep-01		32	2.9	7.5	26	473	6.05
Meldahl	04-Nov-01		41	3.4	7.6	15	510	8.9
Meldahl	13-Jan-02		27	3	7.6	5.3	403	10.6
Meldahl	17-Mar-02		31	3.3	7.9	8.4	375	9.6
Meldahl	12-May-02		12	3.1	7.53	18	241	9.23
Meldahl	21-Jul-02		24	2.77	8.6	28.49	398	7.77
Meldahl	08-Sep-02		34	3.19	7.5	26		
Meldahl	03-Nov-02		30	3.43	9.58	13.45	470	9.55
Meldahl	12-Jan-03		16	3.12	7.6	5.3		
Meldahl	09-Mar-03		26	3.39	7.9	8.4		
Meldahl	04-May-03		20	2.02	7.61	17.27	314	10.50
Meldahl	13-Jul-03		15	4.43	8.6	28.49		
Meldahl	13-Sep-03		29	4.74	7.5	26		
					0	0		
Anderson Ferry	20-Nov-00		34	3	7.5	11.23	415	10.07
Anderson Ferry	31-Jan-01		40	4	7.6	3.03	393	13.08
Anderson Ferry	07-Mar-01		27	2	6.6	6.25	322	12.29
Anderson Ferry	13-May-01		18	4.7	7.4	18.23	255	7.85
Anderson Ferry	11-Jul-01		29.2	4.4	7.7	26.9	403	6.3
Anderson Ferry					0	0		
Anderson Ferry	25-Oct-01		28	4.2	7.1	17	378	12
Anderson Ferry	14-Nov-01		45	3.6	7.4	15	520	11
Anderson Ferry	30-Jan-02		37	3.2	7.6	3.03		
Anderson Ferry	06-Mar-02		34	2.9	6.6	6.25		
Anderson Ferry	29-May-02		18	3.3	7.4	18.23		
Anderson Ferry	29-Jul-02		26	3.12	7.7	26.9		
Anderson Ferry	30-Sep-02		34	7.44	7.1	26		
Anderson Ferry	25-Nov-02		45	3.22	7.4	13.45		
Anderson Ferry	28-Jan-03		39	2.61	7.6	5.3		
Anderson Ferry	26-Mar-03		38	2.81	6.6	8.4		
Anderson Ferry	15-May-03		35	11.3	8	17.27		
Anderson Ferry	23-Jul-03		37	3.03	7.7	28.49		
Anderson Ferry	17-Sep-03		16	3.76	7.1	26		
					0	0		
Markland	31-Jan-01		33	6	7.64	2.55	388	13.68
Markland	04-Mar-01		29	3	7.33	6.75	339	11.94
Markland	17-May-01		31	3	8.26	22.3	390	9.63
Markland	22-Jul-01		18.6	4.72	7.6	26.2	298	5.6

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
Markland	16-Sep-01		28	4.7	7.6	25	422	5.9
Markland	04-Nov-01		32	4.1	7.7	14	500	8.4
Markland	13-Jan-02		45	3.7	7.8	4.7	503	12.3
Markland	17-Mar-02		34	3.3	7.9	8.4	414	12
Markland	12-May-02		14	3.6	7.73	18.4	276	9.09
Markland	21-Jul-02		27	3.45	8.42	31.29	415	8.6
Markland	08-Sep-02		22	3.7	7.6	25		
Markland	03-Nov-02		34	4.45	8.52	13.29	469	9.9
Markland	12-Jan-03		13	3.81	7.8	4.7		
Markland	09-Mar-03		49	3.57	7.9	8.4		
Markland	04-May-03		38	2.25	8.55	18.77	319	10.15
Markland	13-Jul-03		19	4.09	8.42	31.29		
Markland	14-Sep-03		29	3.84	7.6	25		
					0	0		
Louisville	16-Nov-00		41	4	7.6	13.8	523	8.6
Louisville	25-Jan-01		33	6	7.9	6	486	15.1
Louisville	08-Mar-01		21	3	7.9	7.48	378	9.92
Louisville	17-May-01		30	3	8.2	21.5		
Louisville	12-Jul-01		25.5	3.93	7.6	26.2		
Louisville	25-Sep-01		28	4.6	7.6	25		
Louisville	20-Nov-01		38	3.1	7.7	14		
Louisville	22-Jan-02		29	3.8	7.8	4.7		
Louisville	07-Mar-02		26	2.5	7.9	8.4		
Louisville	29-May-02		15	3.3	7.73	18.4		
Louisville	18-Jul-02		24	4.05	8.42	31.29		
Louisville	19-Sep-02		31	3.41	7.6	25		
Louisville	14-Nov-02		15	7.42	8.52	13.29		
Louisville	14-Jan-03		16	3.33	7.8	4.7		
Louisville	11-Mar-03		35	3.28	7.9	8.4		
Louisville	14-May-03		29	5.44	8.55	18.77		
Louisville	24-Jul-03		30	3.14	8.42	31.29		
Louisville	17-Sep-03		33	3.90	7.6	25		
					0	0		
West Point	16-Nov-00		41	4	7.5	13.9	550	9.3
West Point	25-Jan-01		34		6.7	3	437	13.7
West Point	08-Mar-01		25	3	7.17	7.17	362	11.88
West Point	17-May-01		36	3.2	8.09	22.72	437	9.07
West Point	12-Jul-01		30	3.85	7.6	29		
West Point	25-Sep-01		28	4.7	7.6	27		
West Point	20-Nov-01		42	4	7.7	18		
West Point	22-Jan-02		35	3.6	7.8	6		
West Point	07-Mar-02		30	2.9	7.9	8		
West Point	29-May-02		19	4.1	7.73	16		
West Point	18-Jul-02		30	4.66	8.42	32		

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
West Point	19-Sep-02		45	3.9	7.6	29		
West Point	14-Nov-02		21	7.96	8.52	14		
West Point	14-Jan-03		20	4.56	7.8	7		
West Point	11-Mar-03		40	3.65	7.9	4		
West Point	14-May-03		19	8.45	8.55	20		
West Point	24-Jul-03		23	3.22	8.42	28		
West Point	17-Sep-03		34	4.41	7.6	25		
					0	0		
Cannelton	16-Nov-00		37	4	7.6	14	420	8.1
Cannelton	11-Jan-01		33	5	7.6	1	360	8
Cannelton	08-Mar-01		22	3	7.2	8	290	12.4
Cannelton	17-May-01		30	3	7.9	24	360	7.4
Cannelton	12-Jul-01		28	3.64	7.5	29	400	6.9
Cannelton	20-Sep-01		25	4	8	27	370	7.9
Cannelton	08-Nov-01		24	4.6	7.9	18	340	8.2
Cannelton	10-Jan-02		28	3.5	8.5	6	390	8.8
Cannelton	07-Mar-02		25	2.6	8	8	330	10.2
Cannelton	02-May-02		13	4.7	7.8	16	270	8.8
Cannelton	01-Aug-02		28	3.77	8.2	32	400	10
Cannelton	12-Sep-02		36	3.75	8	29	420	8.3
Cannelton	07-Nov-02		28	4.65	7.8	14	430	9.3
Cannelton	09-Jan-03		16	3.92	7.8	7	300	6.8
Cannelton	06-Mar-03		26	4.47	7.9	4	290	10.2
Cannelton	08-May-03		10	5.40	7.8	20	320	8.60
Cannelton	17-Jul-03		51	2.93	7.6	28	350	7.3
Cannelton	18-Sep-03		29	4.53	7.9	25	370	7.9
					0	0		
Newburgh	16-Nov-00		31	4	7.7	14	380	8.4
Newburgh	11-Jan-01		32	6	7.8	2	380	3.8
Newburgh	08-Mar-01		22	3	7.3	8	280	12
Newburgh	17-May-01		31	3	8.6	24	360	8.2
Newburgh	12-Jul-01		27	3.63	7.6	28	400	7.6
Newburgh	20-Sep-01		24	3.3	8.3	26	360	8.2
Newburgh	08-Nov-01		27	3.9	8	17	390	8.7
Newburgh	10-Jan-02		28	4	8.4	6	420	10.4
Newburgh	07-Mar-02		25	2.9	8	9	350	9.2
Newburgh	02-May-02		13	4.1	8	15	260	8
Newburgh	01-Aug-02		29	3.19	8.2	32	410	9.1
Newburgh	12-Sep-02		26	3.94	8.2	28	460	8.1
Newburgh	07-Nov-02		30	4.5	7.8	14	450	8.2
Newburgh	09-Jan-03		20	7.14	7.8	7	290	7.0
Newburgh	06-Mar-03		22	5.05	7.8	4	310	10.0
Newburgh	08-May-03		35	3.85	7.8	19	310	8.70
Newburgh	17-Jul-03		18	3.55	7.6	28	370	7.1

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
Newburgh	18-Sep-03		24	4.38	7.9	25	370	8.0
					0	0		
J.T. Myers	16-Nov-00		30	4	7.3	13	420	8.8
J.T. Myers	11-Jan-01		28	4	7.1	1	350	12.6
J.T. Myers	08-Mar-01		23	3	6.9	5	430	8
J.T. Myers	17-May-01		24	2.7	8.2	24	350	7.6
J.T. Myers	12-Jul-01		24.6	3.69	7.4	28	410	7.2
J.T. Myers	20-Sep-01		17	3.9	8	25	310	8.2
J.T. Myers	08-Nov-01		22	4	7.9	15	320	8.7
J.T. Myers	10-Jan-02		28	3.8	8.2	5	380	11.6
J.T. Myers	07-Mar-02		25	2.8	8	7	340	10.6
J.T. Myers	02-May-02		12	4.1	7.9	16	250	8
J.T. Myers	01-Aug-02		25	3.58	8.1	30	400	8.3
J.T. Myers	12-Sep-02		25	3.99	8.1	25	460	8.3
J.T. Myers	07-Nov-02		36	4.91	7.7	13	410	9.7
J.T. Myers	09-Jan-03		22	5.92	7.7	6	290	11.2
J.T. Myers	06-Mar-03		21	5.74	7.8	4	26	11.8
J.T. Myers	08-May-03		15	4.01	7.6	18	420	8.40
J.T. Myers	17-Jul-03		40	4.32	7.3	27	340	6.8
J.T. Myers	18-Sep-03		15	4.51	7.7	23	370	8.0
					0	0		
Smithland	15-Nov-00		39	5	7.5	11	440	7.2
Smithland	31-Jan-01		38	4	6.7	2		
Smithland	01-Mar-01		70	9	6.6	7	37	10
Smithland	09-May-01		80	3	6.1	21	470	7.5
Smithland	03-Jul-01		66.2	4.58	5.8	25	490	6.2
Smithland	10-Sep-01		74	4.3	6	24	450	7.5
Smithland	06-Nov-01		97	6.4	7.1	13	490	11
Smithland	08-Jan-02		81	4.9	6.7	2	52	16.5
Smithland	05-Mar-02		80	3.2	6.3	5	483	12.5
Smithland	07-May-02		77	4.3	5	19	362	9.5
Smithland	15-Jul-02		55	3.80	6.5	28	480	5.4
Smithland	09-Sep-02		78	4.39	7.9	27	445	7.2
Smithland	11-Nov-02		63	5.76	7.1	13	449	9.5
Smithland	06-Jan-03		85	6.31	7.1	5	411	10.1
Smithland	03-Mar-03		20	6.34	7	4	295	14
Smithland	06-May-03		95	4.63	3.3	19	567	11.5
Smithland	07-Jul-03		70	3.73	6.6	27	395	7.2
Smithland	09-Sep-03		40	6.16	3.1	23	504	6.8
					0	0		
Lock & Dam 52	15-Nov-00		37	5	7.3	12	520	10.9
Lock & Dam 52	10-Jan-01		36	5	7.6	0	460	15
Lock & Dam 52	01-Mar-01		64	10	6.2	8	400	11
Lock & Dam 52	09-May-01		58	5	6.3	22	430	7.8

BiMonthly Mainstem Stations C

CRITERIA	.0052 mg/L	250 mg/L
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Station Name	Date	CN (mg/l)	Chloride (mg/l)	TOC (mg/l)	pH (su)	Temp (C)	Conduct (umhos/cm)	DO, mg/L
Lock & Dam 52	03-Jul-01		34.2	3.66	5.8	27	430	5.8
Lock & Dam 52	10-Sep-01		44	4.7	6.5	24	390	6.5
Lock & Dam 52	06-Nov-01		42	6.1	7.3	13	410	10
Lock & Dam 52	08-Jan-02		56	4.1	6.9	3	470	10.5
Lock & Dam 52	05-Mar-02		44	3.3	7.2	6	451	12
Lock & Dam 52	07-May-02		54	2.3	6.5	18	313	8.1
Lock & Dam 52	15-Jul-02		88	4.26	6	29	527	5.3
Lock & Dam 52	09-Sep-02			3.73	8	28	261	8.8
Lock & Dam 52	11-Nov-02		48	2.47	7.1	15	426	8.5
Lock & Dam 52	06-Jan-03		49	7.57	7.1	7	320	9.1
Lock & Dam 52	03-Mar-03		70	6.04	3.5	4	458	16
Lock & Dam 52	06-May-03		48	2.02	5.9	21	269	11.2
Lock & Dam 52	07-Jul-03		44	2.92	6.4	28	327	7.2
Lock & Dam 52	09-Sep-03		38	6.44	6.4	24	358	7.0