03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY

WATER-QUALITY RECORDS

PERIOD OF RECORD .-- October 1979 to current water year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: October 1979 to current water year.

pH: October 1979 to current year.
WATER TEMPERATURE: October 1979 to currentwater year. DISSOLVED OXYGEN: October 1979 to current water year.

INSTRUMENTATION .-- Water-quality monitor since October 1979.

REMARKS.--Four submersible pumps are located on Martins Fork Dam, at four different elevations referenced to sea level. Pump 1

is located near the bottom of the lake, at an elevation of 1,272 ft; pump 2 is at an elevation of 1,285 ft; pump 3 at an

elevation of 1,298 ft; and pump 4 at an elevation of 1,308 ft, occasional operation. Each lake level is sampled once every

four hours, or six times per day. A maximum and minimum value for pH and a maximum, minimum, and mean value for temperature,

specific conductance, and dissolved oxygen are determined for each level. The monitor was shut down Nov. 10 to Mar. 30.

SPECIFIC CONDUCTANCE: records rated good

ph: records rated good.

WATER TEMPERATURE: records rated excellent.

DISSOLVED OXYGEN: records rated good.

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	(OCTOBE	2	N	OVEMBE	ER	D	ECEMBE	ER	Į	JANUAR'	Y
1	167	165	166	143	137	140						
2				142	138	140						
3				142	139	140						
4 5				142	138	140						
3				142	138	140						
6				144	141	142						
7				144	143	143						
8				145	143	144						
9				155	146	150						
10				153	149	151						
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25	148	145	146									
26	147	146	147									
27	146	145	145									
28	145	144	144									
29	152	142	150									
30	147	137	140									
31	143	136	137									
MONTH	167	136	147	155	137	143						

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
	I	FEBRUAR	Y		MARCH			APRIL			MAY	
1 2							105 112	104 105	105 108	116 117	115 115	115 116
3 4							117	108 107	112	116	111 109	114
5							116 111	107	111 109	113 113	109	111 111
6							114	108	111	112	108	111
7 8							129 127	115 122	121 124	110 111	108 105	109 107
9 10							126	124	123	106	104	105 103
							122	119	120	106	102	
11 12							119 117	117 115	118 116	106 103	103 102	104 103
13 14							116 115	115 114	115 115	104 107	103 105	103 106
15							124	106	114	109	107	108
16							116	104	109	112	109	110
17 18							111 109	106 106	108 108	114 115	112 114	113 114
19 20							111 112	112 111	112 112	116 117	115 116	116 117
21							111	110	111	119	117	118
22							112	110	111	119	118	119
23 24							112 112	110 111	111 111	120 121	119 120	120 121
25							112	111	112	123	120	122
26 27							113 114	113 113	113 114	126 126	124 125	124 125
28							114	113	114	126	125	126
29 30				104	102	103	114 115	114 114	114 114	126 127	125 126	126 126
31				105	103	104				127	124	126
MONTH				105	102	104	129	104	113	127	102	114
		JUNE			JULY			AUGUST		SI	EPTEMBI	ER
1 2	119 114	102 109	109 112	138 138	137 136	138 137	168 169	166 167	167 168	183 183	178 177	180 179
3	110	106	107	139	136	137	171	166	168	182	177	179
4 5	112 113	106 108	108 111	140 142	139 139	140 140	170 170	168 168	169 169	184 180	177 176	180 179
6	114	112	113	143	141	142	170	168	168	181	174	177
7 8	112 109	108 107	109 108	145 147	143 145	144 146	170 169	168 168	169 168	185 181	176 177	178 179
9 10	111 114	109 111	110 112	149 151	147 149	148 150	171 171	168 167	169 168	181 183	176 177	178 180
11	115	114	114	151	149	150	174	168	171	186	179	183
12	116	114	115	153	150	152	170	168	169	187	180	183
13 14	118 120	116 118	117 119	154 154	152 152	153 153	169 171	168 166	169 168	188 189	183 186	186 187
15	121	120	121	157	153	154	171	168	168	191	186	189
16 17	123 126	121 125	122 125	156 159	154 156	155 157	172 175	169 172	171 174	191 193	184 186	188 189
18	126	126	126	158	156	157	177	170	174	188	184	187
19 20	128 129	127 128	127 129	159 161	156 158	158 159	175 175	172 172	174 173	179	101	125
21	130	129	130	161	158	159	177	172	174			
22	131	130	131	162	158	160	174	172	173			
23 24	133 133	131 132	132 132	162 163	160 161	161 162	179 179	173 173	175 176	99	98	99
25	133	133	133	165	162	163	178	173	176	100	99	99
26 27	135 136	133 135	134 136	166 165	163 163	164 164	178 179	173 174	176 176	102 103	100 102	101 102
28	137	136	137	166	165	165	181	174	177	103	103	103
29 30	138 137	135 136	136 137	169 168	165 165	167 166	183 178	172 174	176 177	103 103	102 102	102 102
31				168	166	167	178	176	177			
MONTH	138	102	122	169	136	154	183	166	172	193	98	158
YEAR	193	98	139									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBE	R	Ε	ECEMBE	R		JANUARY	
1	23.2	22.8	23.1	16.3	16.2	16.2						
2 3				16.4 16.3	16.2 16.1	16.2 16.2						
4				16.3	16.1	16.2						
5				16.5	16.2	16.3						
6				16.4	16.2	16.3						
7				16.6	16.2	16.4						
8 9				16.5 16.3	16.3 16.0	16.4 16.1						
10				16.0	15.9	16.0						
11												
12												
13 14												
15												
16												
17												
18 19												
20												
21												
22												
23												
24 25	17.2	17.0	 17.1									
26 27	16.9 17.3	16.8 16.8	16.9 17.1									
28	17.1	16.9	17.0									
29 30	17.1 16.9	16.7 16.3	16.9 16.6									
31	17.1	16.2	16.4									
MONTH	23.2	16.2	17.6	16.6	15.9	16.2						
MONTH	23.2	16.2		16.6	15.9 MARCH	16.2						
		FEBRUARY	7		MARCH			APRIL			MAY	
1		FEBRUARY			MARCH		11.9	APRIL 9.9	10.9	14.2	MAY 12.5	13.0
1 2 3		FEBRUARY	7		MARCH		11.9 12.2 11.9	9.9 10.8 10.9	10.9 11.4 11.5	14.2 14.6 15.2	MAY 12.5 12.8 13.7	13.0 13.4 14.4
1 2 3 4	 	FEBRUARY	 	 	MARCH	 	11.9 12.2 11.9 11.3	APRIL 9.9 10.8 10.9 10.5	10.9 11.4 11.5 11.0	14.2 14.6 15.2 15.0	MAY 12.5 12.8 13.7 14.0	13.0 13.4 14.4 14.5
1 2 3 4 5	 	FEBRUARY 	 	 	MARCH	 	11.9 12.2 11.9 11.3 11.4	9.9 10.8 10.9 10.5 10.7	10.9 11.4 11.5 11.0 11.0	14.2 14.6 15.2 15.0 15.4	MAY 12.5 12.8 13.7 14.0 13.8	13.0 13.4 14.4 14.5 14.6
1 2 3 4 5	 	FEBRUARY	 	 	MARCH	 	11.9 12.2 11.9 11.3 11.4	9.9 10.8 10.9 10.5 10.7	10.9 11.4 11.5 11.0 11.0	14.2 14.6 15.2 15.0 15.4 14.7	MAY 12.5 12.8 13.7 14.0 13.8 14.0	13.0 13.4 14.4 14.5 14.6
1 2 3 4 5 6 7 8	 	FEBRUARY 	? 	 	MARCH	 	11.9 12.2 11.9 11.3 11.4	9.9 10.8 10.9 10.5 10.7	10.9 11.4 11.5 11.0 11.0	14.2 14.6 15.2 15.0 15.4	MAY 12.5 12.8 13.7 14.0 13.8	13.0 13.4 14.4 14.5 14.6
1 2 3 4 5 6 7 8 9	 	FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7
1 2 3 4 5 6 7 8 9	 	FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7
1 2 3 4 5 6 7 8 9 10	 	FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0
1 2 3 4 5 6 7 8 9 10	 	FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.4 10.6	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14		FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7 15.0 15.0 15.3 15.9 16.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.4 10.6 10.6 10.6	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.3 15.9 16.0 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3 10.5 10.7	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6 10.6	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9 16.0 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		 	MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.4 10.6 10.6 10.6	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.3 15.9 16.0 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.5 10.4 10.6 10.6 10.8	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.4 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9 16.0 16.6 16.9 16.8 16.4 16.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.3	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6 10.6 10.9 11.0 11.2	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.3 15.9 16.0 16.6 16.9 16.8 16.4 16.5 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.5 11.8	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.5 10.6 10.6 10.6 10.8 10.9 10.9 11.0 11.2 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.3	9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6 10.6 10.9 11.0 11.2	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.3 15.9 16.0 16.6 16.9 16.8 16.4 16.5 16.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.5 11.8 11.6 11.9 11.5	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1 11.0 11.2 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6 10.8 10.9 11.0 11.2 11.3 11.3 11.4	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.3 16.3 16.4 16.3 16.3 16.3 17.0 17.0	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6 16.8 17.0 17.3 17.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.3 11.5 11.8	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1 11.0 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.6 10.8 10.9 10.9 11.0 11.2 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.5 16.3 16.4 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.0 16.6 16.9 16.8 16.4 16.5 16.6 16.8 17.0 17.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.5 11.8 11.5 11.8	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1 11.0 11.2 11.2 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.5 10.6 10.6 10.8 10.9 11.0 11.2 11.3 11.3 11.4 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1 17.3 17.2 17.8 17.8 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3 16.3 16.3 16.4 17.0 17.0 17.2	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6 16.8 17.3 17.4 17.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.5 11.8 11.6 11.9 11.5 11.4 11.4	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.1 11.1 11.0 11.2 11.2 11.2 11.2 11.3	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.5 10.6 10.6 10.8 10.9 11.0 11.2 11.3 11.4 11.3 11.4 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1 17.3 17.2 17.3 17.2 17.3 17.3 17.3 17.3 17.4 17.1 18.3	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3 16.3 16.8 17.0 17.0 17.2 16.9 16.8	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6 17.0 17.3 17.4 17.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.5 11.8 11.6 11.9 11.5 11.4 11.4 11.4 11.6 12.6 11.7 12.3	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1 11.0 11.2 11.2 11.2 11.2 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.6 10.6 10.8 10.9 10.9 11.0 11.2 11.3 11.4 11.3 11.4 11.3 11.4 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8 17.5 17.4 17.1 16.9 17.1 17.3 17.2 17.8 17.8 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3 16.3 16.8 17.0 17.2 16.9 16.8 17.3 17.8	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6 17.0 17.3 17.4 17.4 17.4 17.5 17.8 18.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.3 11.5 11.8 11.6 11.9 11.5 11.4 11.4 11.6 11.9	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 11.1 11.0 11.2 11.2 11.2 11.2 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.5 10.6 10.6 10.6 10.8 10.9 11.0 11.2 11.3 11.4 11.3 11.4 11.3 11.4 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.5 17.8 17.5 17.4 17.1 16.9 17.1 17.3 17.2 17.8 17.8 17.8 17.8 17.8 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.5 16.3 16.4 16.3 16.3 16.3 16.4 17.0 17.0 17.2 16.9 16.8 17.3 17.8 18.0	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.5 14.7 15.0 15.0 15.0 16.6 16.9 16.8 16.4 16.5 16.6 16.8 17.0 17.3 17.4 17.4 17.4 17.5 17.8 18.1 18.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY			MARCH		11.9 12.2 11.9 11.3 11.4 10.8 10.7 10.6 10.8 10.6 10.8 10.4 11.3 11.0 10.9 11.1 11.3 11.5 11.8 11.6 11.9 11.5 11.4 11.4 11.4 11.6 12.6 11.7 12.3	APRIL 9.9 10.8 10.9 10.5 10.7 10.8 10.5 10.3 10.3 10.3 10.3 10.3 10.4 10.5 10.7 10.6 10.8 10.9 11.1 11.0 11.2 11.2 11.2 11.2 11.2 11.2	10.9 11.4 11.5 11.0 11.0 10.8 10.6 10.4 10.4 10.4 10.6 10.6 10.8 10.9 10.9 11.0 11.2 11.3 11.4 11.3 11.4 11.3 11.4 11.3	14.2 14.6 15.2 15.0 15.4 14.7 14.7 14.7 14.9 16.2 15.3 15.7 16.2 16.5 17.8 17.5 17.4 17.1 16.9 17.1 17.3 17.2 17.8 17.8 17.8	MAY 12.5 12.8 13.7 14.0 13.8 14.0 14.2 14.3 14.4 14.6 14.5 15.1 15.5 16.3 16.4 16.3 16.3 16.4 16.3 16.3 16.8 17.0 17.2 16.9 16.8 17.3 17.8	13.0 13.4 14.4 14.5 14.6 14.3 14.5 14.7 15.0 15.0 15.3 15.9 16.0 16.6 16.8 16.4 16.5 16.6 17.0 17.3 17.4 17.4 17.4 17.5 17.8 18.1

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBI	ER
1 2 3 4 5	19.9 19.2 19.5 19.2 19.0	18.8 18.7 18.5 18.9 18.8	19.1 19.0 18.8 19.0 18.9	21.7 21.3 21.0 21.2 21.1	20.8 20.9 20.3 20.6 20.1	21.1 21.1 20.8 20.9 20.6	21.4 21.4 21.7 21.7 22.3	20.4 20.6 20.4 20.7 20.6	21.0 21.0 21.1 21.3 21.4	22.6 22.4 22.4 22.3 22.6	21.6 21.6 22.0 21.9 21.6	22.1 22.1 22.2 22.1 22.3
6 7 8 9 10	19.3 19.1 19.1 19.2 19.3	18.9 18.8 18.8 18.9 18.9	19.0 19.0 19.0 19.1 19.2	21.3 21.6 21.1 21.3 21.2	20.5 20.5 20.2 20.3 20.6	20.9 20.9 20.7 21.0 20.9	21.7 21.9 22.0 21.8 22.8	20.9 20.9 20.9 20.6 20.4	21.4 21.4 21.4 21.2 21.5	23.3 22.8 22.2 22.2 21.6	21.3 21.6 21.2 21.6 21.3	22.3 22.3 22.0 21.9 21.5
11 12 13 14 15	19.5 19.2 19.2 19.4 19.6	18.9 19.1 19.1 19.1 19.1	19.2 19.2 19.1 19.3 19.4	21.5 21.2 21.2 21.4 21.2	20.5 20.5 20.2 20.8 20.5	21.0 20.8 20.8 21.1 20.9	22.9 22.4 21.8 21.8 22.2	20.7 20.6 20.6 21.4 20.5	21.5 21.5 21.3 21.7 21.5	21.6 21.7 21.7 21.7 21.7	21.3 21.3 21.4 21.4 21.2	21.4 21.4 21.6 21.5 21.5
16 17 18 19 20	19.5 19.6 19.6 19.8 19.8	19.1 19.1 18.9 19.5 19.4	19.3 19.4 19.3 19.6 19.7	21.3 21.2 21.4 21.0 21.1	20.3 20.5 20.6 20.5 20.6	20.9 20.8 20.9 20.8 20.8	22.1 21.9 22.8 22.8 22.4	21.0 21.1 20.7 21.3 21.1	21.7 21.6 21.6 21.8 21.8	21.6 21.7 21.3 20.5	21.2 21.3 20.6 20.2	21.4 21.5 21.0 20.4
21 22 23 24 25	19.9 19.8 19.8 20.0 20.0	19.3 19.5 19.2 19.5 19.1	19.6 19.6 19.5 19.6 19.6	21.4 21.2 22.1 21.5 21.6	20.2 20.6 20.7 20.5 20.6	20.9 20.9 21.2 21.0 20.9	22.2 22.5 22.6 22.6 22.4	21.6 21.3 21.5 21.8 21.7	21.9 21.9 22.0 22.1 22.0	20.1 20.2	20.0 19.8	20.1 20.0
26 27 28 29 30 31	20.0 19.8 20.1 20.7 21.0	19.3 19.4 19.7 20.3 20.5	19.7 19.6 19.9 20.5 20.7	21.4 21.6 21.2 21.4 21.4 21.3	20.8 20.7 20.5 20.6 20.9 20.6	21.0 21.0 21.0 21.0 21.1 20.9	22.4 22.7 22.6 22.6 22.6 22.5	21.3 21.4 21.2 21.7 21.9 21.2	22.0 22.0 21.9 22.3 22.2 22.2	20.2 20.2 20.3 20.4 20.3	19.9 19.7 19.6 19.8 19.9	20.0 19.9 20.0 20.0 20.1
MONTH	21.0	18.5	19.4	22.1	20.1	20.9	22.9	20.4	21.7	23.3	19.6	21.3
YEAR	23.3	9.8	18.1									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBE	R	Ε	ECEMBE	R		JANUARY	7
1 2	23.4	22.0	23.0	16.9 17.6	16.5 16.6	16.8 17.2						
3				17.6	16.8	17.3						
4				18.8	17.0	17.6						
5				18.5	16.9	17.6						
6				17.9	16.9	17.4						
7 8				17.8 17.1	17.0 16.6	17.4 16.8						
9				17.1	16.2	16.5						
10				16.2	16.0	16.1						
11												
12												
13 14												
15												
16												
17												
18 19												
20												
21												
22												
23 24												
25	18.2	17.2	17.6									
26	17.2	17.0	17.0									
27	17.3	16.8	17.1									
28	17.4	17.0	17.2									
29 30	17.5 18.2	16.9 16.6	17.2 17.1									
31	17.6	16.4	16.9									
MONTH	22.4	16.4	17.9	18.8	16.0	17.1						
MONTH	23.4	16.4	17.9	10.0	10.0	1/.1						
MONTH		FEBRUAR		10.0	MARCH	17.1		APRIL			MAY	
1 1							14.5		14.2	16.9		16.3
1 2	 	FEBRUAR' 	 		MARCH		14.5 13.7	APRIL 13.9 13.0	14.2 13.3	16.9 19.6	MAY 16.1 15.2	16.3 16.8
1 2 3		FEBRUAR'	·		MARCH		14.5 13.7 13.7	APRIL 13.9 13.0 12.4	14.2 13.3 13.0	16.9 19.6 17.6	MAY 16.1 15.2 16.3	16.3 16.8 17.2
1 2	 	FEBRUAR' 	 	 	MARCH 	 	14.5 13.7	APRIL 13.9 13.0	14.2 13.3	16.9 19.6	MAY 16.1 15.2	16.3 16.8
1 2 3 4	 	FEBRUAR' 	 	 	MARCH	 	14.5 13.7 13.7 13.2 13.2	APRIL 13.9 13.0 12.4 12.7 11.2	14.2 13.3 13.0 12.9 12.0	16.9 19.6 17.6 18.6 18.1	MAY 16.1 15.2 16.3 16.8 16.8	16.3 16.8 17.2 17.3 17.2
1 2 3 4 5	 	FEBRUAR' 	 	 	MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9	14.2 13.3 13.0 12.9 12.0 12.2 13.8	16.9 19.6 17.6 18.6 18.1 18.7	MAY 16.1 15.2 16.3 16.8 16.8 16.8	16.3 16.8 17.2 17.3 17.2 17.4 17.2
1 2 3 4 5 6 7 8		FEBRUAR'		 	MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 17.1	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6
1 2 3 4 5	1 	FEBRUARY 	 	 	MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9	14.2 13.3 13.0 12.9 12.0 12.2 13.8	16.9 19.6 17.6 18.6 18.1 18.7	MAY 16.1 15.2 16.3 16.8 16.8 16.8	16.3 16.8 17.2 17.3 17.2 17.4 17.2
1 2 3 4 5 6 7 8 9	 	FEBRUAR'			MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2	MAY 16.1 15.2 16.3 16.8 16.8 16.3 17.1 17.3	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2
1 2 3 4 5 6 7 8 9	 	FEBRUAR'			MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 17.1 17.3	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8
1 2 3 4 5 6 7 8 9 10		FEBRUAR'		 	MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14		FEBRUAR'			MARCH	 	14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1	MAY 16.1 15.2 16.3 16.8 16.8 16.8 17.1 17.3 17.6 18.0 18.4 18.4 19.3	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'			MARCH		14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 19.2 20.8 19.6 19.8 20.1 23.5	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9	16.3 16.8 17.2 17.3 17.2 17.4 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'			MARCH	 	14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		FEBRUAR'			MARCH		14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.6 11.7 12.1 12.4	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4 19.3 18.9 20.9 20.7 20.9 21.1	16.3 16.8 17.2 17.3 17.2 17.4 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUAR'			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.1 12.4 13.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUAR'			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.5 11.6 12.0	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.6 11.7 12.1 12.4 13.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6 22.9	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUAR'			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0 18.0 18.5 18.0	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.6 11.7 12.1 12.1 12.1 12.4 13.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 24.6 22.9 23.3 25.9	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.1 12.2 12.1 13.7 13.2 15.0 18.0 18.5 18.0 15.8	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 12.0 13.0 14.3	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.4 13.2 15.1 15.1 15.0 15.1	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6 22.9 23.3 25.9 25.1	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUAR'			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 12.1 13.7 13.2 15.0 18.0 18.5 18.0 15.8	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0 14.3 13.3	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.6 11.7 12.1 12.4 13.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6 22.9 23.3 25.9 25.1 26.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.5 24.0 23.5 24.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUARY			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.1 12.2 12.1 13.7 13.2 15.0 18.0 18.5 18.0 15.8 18.0	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0 14.3 13.3 13.6	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.1 12.1 15.1 15.1 15.1 15.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6 22.9 23.3 25.9 25.9	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6 21.9	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0 23.5 24.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUARY			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0 18.5 18.0 15.8 18.0 16.7 18.9 16.4	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.5 11.6 12.0 12.0 13.0 14.3 13.3 13.6 13.7 14.4	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.4 13.2 15.1 15.1 15.1 15.1 15.2 15.9 15.7	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 22.3 24.6 22.9 23.3 25.9 25.6 24.7	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6 21.9 23.0 23.3	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.5 24.0 23.5 24.1 23.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY			MARCH		14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0 18.0 18.5 18.0 15.8 18.0 16.7 18.9 16.4 16.4	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0 14.3 13.3 13.6 13.7 14.4 14.7	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.4 13.2 15.1 15.1 16.2 15.2 15.2 15.7 15.4	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 24.6 22.9 23.3 25.9 25.1 26.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6 21.9 23.0 23.3 23.1	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0 23.5 24.1 23.8 24.1 23.8 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUARY			MARCH		14.5 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.7 13.2 15.0 18.0 15.8 18.0 15.8 18.0 16.7	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0 14.3 13.3 13.6 13.7 14.4 14.7 15.1	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.7 12.1 12.4 13.2 15.1 15.1 15.1 15.1 15.2 15.9 15.7	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 24.6 22.9 23.3 25.9 25.1 26.3 25.9 25.6 24.7 24.1 24.7	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6 21.9 23.0 23.3 23.1 23.5	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0 23.5 24.1 23.8 24.1 23.8 23.5 23.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY			MARCH		14.5 13.7 13.7 13.2 13.2 14.9 16.1 16.3 16.0 16.2 15.2 13.9 14.3 14.1 12.2 12.1 13.7 13.2 15.0 18.0 18.5 18.0 15.8 18.0 16.7 18.9 16.4 16.4	APRIL 13.9 13.0 12.4 12.7 11.2 10.8 11.9 13.5 11.6 13.9 14.2 13.4 12.8 11.2 11.1 11.4 11.2 11.1 11.5 11.6 12.0 13.0 14.3 13.3 13.6 13.7 14.4 14.7	14.2 13.3 13.0 12.9 12.0 12.2 13.8 14.6 13.9 14.8 14.9 13.6 13.9 12.0 11.8 11.6 11.7 12.1 12.1 15.1 15.1 15.1 15.1 15.2 15.2	16.9 19.6 17.6 18.6 18.1 18.7 17.7 18.3 18.3 19.2 20.8 19.6 19.8 20.1 23.5 21.7 23.1 22.3 24.6 22.9 23.3 25.9 25.1 26.3	MAY 16.1 15.2 16.3 16.8 16.8 16.8 16.3 17.1 17.3 17.6 18.0 18.4 18.4 19.3 18.9 20.9 20.7 20.9 21.1 20.2 21.7 21.4 22.6 22.1 22.6 21.9 23.0 23.3 23.1	16.3 16.8 17.2 17.3 17.2 17.4 17.2 17.6 17.8 18.2 18.9 18.8 19.2 19.8 20.8 21.1 21.9 21.4 21.7 21.9 22.2 22.5 24.0 23.5 24.1 23.8 24.1 23.8 23.5

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBI	ER
1 2 3 4 5	21.2 20.2 20.5 20.4 20.4	19.6 19.4 19.8 20.0 19.8	20.3 19.8 20.1 20.2 20.1	26.0 25.3 25.6 26.9 25.8	23.3 23.9 24.7 24.4 23.9	24.4 24.8 24.9 25.8 24.8	26.7 26.9 27.2 27.6 27.2	26.5 26.4 26.3 27.0 26.2	26.6 26.7 26.8 27.3 26.8	26.2 26.2 25.9 25.9 25.9	25.5 25.6 25.8 25.7 25.3	25.8 25.9 25.9 25.8 25.7
6 7 8 9 10	20.1 20.1 20.2 20.4 20.6	19.8 19.7 19.7 20.0 20.3	19.9 19.8 20.0 20.1 20.4	26.5 27.0 26.1 27.0 26.2	23.9 24.7 24.6 24.6 25.4	25.0 26.0 25.4 25.8 25.8	26.8 26.5 26.1 25.9 26.8	26.4 25.9 25.9 25.8 25.8	26.6 26.1 26.0 25.9 26.0	25.9 25.8 25.6 25.1 24.2	25.5 25.7 25.3 24.2 24.0	25.8 25.7 25.4 24.6 24.1
11 12 13 14 15	21.6 22.0 22.5 23.0 24.7	20.5 20.5 20.6 21.7 21.2	20.9 21.4 21.8 22.4 22.8	26.4 27.9 27.4 27.6 27.3	25.6 25.9 25.8 24.8 26.3	26.1 26.9 26.6 26.2 26.8	26.9 25.9 25.7 25.0 24.8	25.6 25.7 25.2 24.7 24.6	26.1 25.8 25.4 24.8 24.7	24.3 24.3 24.5 24.7 24.8	23.9 24.0 24.1 24.1 24.0	24.1 24.2 24.3 24.4 24.4
16 17 18 19 20	23.6 23.8 23.9 24.5 24.4	22.5 22.8 22.8 22.5 23.5	23.1 23.4 23.4 23.6 24.0	27.3 27.0 26.7 26.4 26.4	26.8 26.3 26.3 26.1	27.0 26.9 26.5 26.4 26.3	24.7 24.8 25.7 25.2 26.3	24.6 24.7 24.7 24.5 24.8	24.7 24.8 24.8 24.8 25.3	24.5 24.5 23.2 23.0	24.2 23.8 22.5 21.7	24.4 24.2 22.8 22.4
21 22 23 24 25	26.1 25.3 24.6 24.5 24.8	23.9 23.2 24.0 23.8 24.0	24.4 24.4 24.4 24.3 24.3	26.5 26.6 26.6 27.0 27.2	26.3 26.0 26.2 26.2 26.4	26.4 26.3 26.4 26.5 26.9	25.9 25.1 25.1 25.3 25.3	24.7 24.9 24.9 24.9 25.1	25.2 25.0 25.1 25.1 25.2	22.3 22.4	22.2 22.0	22.2 22.2
26 27 28 29 30 31	24.4 24.5 23.7 24.3 24.4	23.3 23.2 23.1 23.0 23.5	23.9 23.6 23.4 23.6 23.9	27.5 27.0 26.8 26.8 27.1 26.9	26.4 26.4 26.5 26.6 26.4 26.6	26.8 26.7 26.6 26.7 26.7 26.8	25.7 25.4 25.6 26.0 26.1 26.0	25.2 25.1 25.0 25.1 25.1 25.3	25.4 25.2 25.4 25.5 25.6 25.7	22.6 23.2 22.7 22.5 22.4	22.1 22.1 21.9 22.1 22.1	22.3 22.5 22.4 22.4 22.2
MONTH	26.1	19.4	22.3	27.9	23.3	26.2	27.6	24.5	25.6	26.2	21.7	24.1
YEAR	27.9	10.8	21.6									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX		MEAN
		OCTOBER			NOVEMBE	R	L	DECEMBE	i.R		JANUARY	
1	23.6	22.5	23.3	17.3	16.6	16.9						
2 3				17.6 17.6	16.8 16.9	17.2 17.4						
4				18.6	17.3	17.6						
5				18.4	17.0	17.6						
6				17.9	17.1	17.5						
7				17.9	17.0	17.4						
8 9				17.3 17.1	16.7 16.3	17.0 16.6						
10				16.3	16.1	16.2						
11												
12												
13												
14 15												
16 17												
18												
19												
20												
21												
22 23												
23												
25	18.0	15.8	17.0									
26	17.2	15.2	16.7									
27	17.3	16.6	16.9									
28	17.4	17.0	17.2									
29 30	17.5 18.1	17.0 16.7	17.2 17.2									
31	17.6	16.5	16.9									
MONTH	23.6	15.2	17.8	18.6	16.1	17.1						
		EEDDIIADA			MADCII			A DD II			MAN	
		FEBRUAR	Y		MARCH			APRIL			MAY	
1										20.0	18.9	19.4
1 2				 		 	 			19.8	18.9 19.1	19.6
1 2 3 4										19.8 18.2 19.0	18.9 19.1 17.5 17.0	19.6 17.8 17.8
1 2 3					 					19.8 18.2	18.9 19.1 17.5	19.6 17.8
1 2 3 4 5	 		 	 	 	 	 	 		19.8 18.2 19.0 19.8 21.2	18.9 19.1 17.5 17.0 17.6	19.6 17.8 17.8 18.6
1 2 3 4 5	 		 	 		 	 		 	19.8 18.2 19.0 19.8 21.2 22.7	18.9 19.1 17.5 17.0 17.6 18.3 19.7	19.6 17.8 17.8 18.6 19.4 20.9
1 2 3 4 5	 	 	 	 		 	 		 	19.8 18.2 19.0 19.8 21.2 22.7 23.7	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2	19.6 17.8 17.8 18.6 19.4 20.9 21.7
1 2 3 4 5 6 7 8	 	 	 	 			 	 		19.8 18.2 19.0 19.8 21.2 22.7	18.9 19.1 17.5 17.0 17.6 18.3 19.7	19.6 17.8 17.8 18.6 19.4 20.9
1 2 3 4 5 6 7 8 9	 		 	 			 	 	 	19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3
1 2 3 4 5 6 7 8 9	 					 	 	 	 	19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8
1 2 3 4 5 6 7 8 9 10										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 23.6 24.3 24.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 							 	======================================	19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 23.6 24.0 23.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 23.6 24.3 24.0 23.9 23.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 22.9 23.6 23.7	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 23.7 24.2 24.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 22.9 23.6	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 24.2 24.2 24.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.0 24.4 25.2 24.7 24.8 25.5 26.3	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.7 23.6 24.3 24.2 24.2 24.2 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 22.9 23.6 23.7 23.5 24.8 25.2	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 24.3 24.0 23.9 23.7 24.2 24.2 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.0 24.4 25.2 24.7 24.8 25.5 26.3	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.7 23.6 24.3 24.2 24.2 24.2 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.0	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 24.2 24.2 24.5 25.4 25.9 26.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.2 25.2	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 23.7 24.2 24.2 24.5 25.9 26.0 25.9 26.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5 26.8 26.4 26.0	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.0 25.2 25.7 25.8 25.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 24.2 24.2 24.5 25.4 25.9 26.0 25.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5 26.8 26.4 26.0 25.5	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 23.1 23.6 23.7 23.5 24.8 25.2 25.0 25.2 25.7 25.8 25.1 25.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 24.2 24.2 24.5 25.4 25.9 26.0 25.5 25.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5 26.8 26.4 26.0	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.0 25.2 25.7 25.8 25.1	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.7 23.6 24.3 24.2 24.2 24.5 25.4 25.9 26.0 25.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5 26.8 26.4 26.0 25.5 25.5	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.0 25.2 25.7 25.8 25.1 24.7	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 24.2 24.2 24.5 25.4 25.9 26.0 25.9 26.0 25.5 25.3 25.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30										19.8 18.2 19.0 19.8 21.2 22.7 23.7 24.8 24.6 25.0 25.1 24.5 24.2 24.0 24.4 25.2 24.7 24.8 25.5 26.3 26.6 26.9 26.5 26.8 26.4 26.0 25.5 25.5 25.5	18.9 19.1 17.5 17.0 17.6 18.3 19.7 20.2 21.5 21.8 22.8 22.9 23.4 23.5 23.1 23.1 22.9 23.6 23.7 23.5 24.8 25.2 25.0 25.2 25.7 25.8 25.1 24.7 24.8	19.6 17.8 17.8 18.6 19.4 20.9 21.7 22.8 23.3 24.0 23.9 23.7 23.6 24.2 24.2 24.5 25.4 25.9 26.0 25.9 26.0 25.5 25.3 25.0 25.2

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBI	ER
1 2 3 4 5	24.9 24.5 24.1 23.5 23.0	22.7 21.6 22.7 22.8 22.0	23.6 23.2 23.3 23.3 22.6	26.9 26.8 27.9 27.4 28.4	25.5 26.1 26.2 26.8 26.6	26.1 26.5 26.9 27.2 27.2	29.4 29.3 29.2 28.8 28.5	26.7 27.2 27.2 27.7 27.7	27.6 28.1 27.9 28.2 28.0	28.2 27.5 27.3 27.3 28.0	26.3 26.5 26.0 26.1 25.8	27.0 26.8 26.5 26.6 26.8
6 7 8 9 10	23.1 23.4 23.8 26.2 25.1	22.7 22.8 22.9 23.4 23.8	22.9 23.0 23.2 24.2 24.5	28.2 27.9 28.8 28.7 29.5	26.3 27.2 27.0 27.0 27.4	27.2 27.5 27.8 27.8 28.2	27.8 27.7 27.8 27.6 27.4	26.6 26.0 26.0 25.8 26.2	27.0 26.7 26.8 26.6 26.8	26.9 25.9 25.5 25.2 25.9	25.9 25.6 25.4 24.9 24.4	26.4 25.7 25.4 25.0 24.8
11 12 13 14 15	26.6 28.0 27.6 27.8 27.8	24.9 25.1 26.0 26.3 26.5	25.8 26.4 26.8 27.0 27.2	30.0 29.0 29.8 29.2 28.6	27.5 27.7 28.0 28.1 27.7	28.5 28.4 28.8 28.8 28.1	27.1 26.8 26.0 26.5 26.0	25.9 25.8 25.3 25.5 25.2	26.6 26.3 25.6 25.5 25.2	27.3 27.4 26.5 27.4 27.2	24.6 25.4 25.4 25.1 24.9	25.6 26.0 25.9 26.0 26.1
16 17 18 19 20	27.7 28.1 28.5 28.1 28.4	26.6 26.7 26.8 26.9 26.4	27.2 27.4 27.5 27.4 27.1	28.9 27.4 27.9 27.7 28.4	27.0 26.9 26.4 26.4 26.3	27.7 27.0 27.0 27.0 27.2	26.8 26.3 26.9 27.6 27.0	25.5 24.8 25.2 25.5 26.2	25.5 25.4 25.9 26.4 26.6	26.4 24.9 23.8 24.0	25.2 24.2 23.1 22.8	25.6 24.5 23.4 23.1
21 22 23 24 25	28.2 27.8 27.5 28.0 27.5	26.2 27.1 26.7 26.1 26.0	27.1 27.5 27.0 26.9 26.3	29.2 28.3 29.6 29.0 28.4	26.7 27.2 26.8 27.0 27.1	27.8 27.5 27.9 27.8 27.7	26.4 27.5 27.6 27.1 28.0	25.8 25.0 26.0 26.3 25.9	26.0 26.0 26.8 26.8 26.7	26.7 25.7	24.1 23.9	25.7 24.6
26 27 28 29 30 31	26.4 26.4 26.2 26.7 27.0	25.6 25.2 25.4 25.3 25.5	25.9 25.6 25.8 26.0 26.1	28.2 27.9 28.4 29.0 28.2 27.7	27.6 27.2 26.9 26.7 27.2 27.1	27.9 27.5 27.5 27.6 27.7 27.3	27.4 28.3 29.3 28.7 28.1 27.4	26.5 26.1 27.0 27.4 26.8 26.6	26.9 27.1 28.0 28.1 27.5 27.0	25.2 23.8 23.3 23.1 23.6	23.3 23.2 23.1 22.6 22.4	24.0 23.4 23.2 22.9 22.8
MONTH	28.5	21.6	25.6	30.0	25.5	27.6	29.4	24.8	26.8	28.2	22.4	25.1
YEAR	30.0	15.2	24.8									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
2		OCTOBER			OVEMBE			DECEMBE		1,11	JANUARY	
1	1.2	0.9	1.0	7.1	6.7	6.8						
2				7.0	6.7	6.9						
3 4				6.7 6.3	6.3 5.8	6.4 6.0						
5				6.1	5.4	5.8						
6				5.6	5.1	5.4						
7 8				5.4	4.9	5.2						
9				5.9 7.5	5.0 5.1	5.4 6.5						
10				8.0	7.6	7.8						
11												
12 13												
14												
15												
16												
17 18												
19												
20												
21 22												
23												
24 25	7.2	6.6	7.0									
	7.0	6.2	6.6									
26 27	6.7	6.0	6.2									
28	7.4	6.2	7.1									
29 30	6.9 7.2	6.6 5.8	6.8 6.7									
31	6.9	6.5	6.7									
MONTH	7.4	0.9	6.0	8.0	4.9	6.2						
		FEBRUARY	•		MARCH			APRIL			MAY	
1							9.7	9.3	9.6	8.3	8.0	8.2
2 3							9.4 9.3	9.1 9.1	9.2 9.2	8.4 7.8	7.7 7.4	8.2 7.6
4							9.8	9.3	9.5	7.9	7.0	7.5
5							9.9	9.4	9.6	7.8	6.5	7.2
6 7							10.1 9.7	8.9 9.0	9.6 9.3	7.5	6.3	6.8
8							9.7	8.8	9.3	7.0 7.0	6.7 6.2	6.9 6.6
9 10							9.0	8.7	8.8	6.9	6.5	6.7
							8.9	8.7	8.8	7.1	6.4	6.8
11 12							8.8 8.7	8.6 8.5	8.7 8.6	6.9 7.3	6.2 6.2	6.6 6.7
13							8.6	8.3	8.4	7.3	6.6	6.9
14 15							8.6 9.2	8.4 8.2	8.4 8.5	7.2 7.9	6.6 6.8	7.0 7.2
16							9.1	8.3	8.7	7.6	6.6	7.1
17							9.2	8.8	8.9	7.3	5.8	6.6
18 19							9.1 9.3	8.8 9.1	9.0 9.2	6.0 5.7	5.7 5.3	5.9 5.5
20							9.3	9.1	9.2	5.4	5.2	5.4
21							9.3	9.2	9.2	5.6	5.1	5.3
22							9.3	8.9	9.1	5.8	5.3	5.5
23 24							9.4 9.2	8.8 8.9	9.1 9.0	6.2 5.7	5.2 5.1	5.5 5.4
25							9.0	8.2	8.6	5.6	4.6	5.1
26							8.2	8.0	8.1	4.2	3.3	3.9
27 28							8.0 8.2	7.9 8.0	8.0 8.1	3.4 3.4	3.4 3.3	3.4 3.4
29							8.4	7.7	8.0	3.4	3.2	3.3
30 31				9.7 9.8	9.6 9.5	9.7 9.6	8.7	8.1	8.4	3.2 5.9	3.0 3.1	3.1 4.3
				9.8	9.5	9.7			8.9	8.4	3.0	
MONTH				9.8	9.3	9./	10.1	7.7	0.9	8.4	5.0	6.0

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBI	ER
1 2 3 4 5	7.7 7.5 8.1 8.1 7.8	5.5 7.0 7.2 7.6 7.2	7.1 7.3 7.7 7.8 7.6	2.0 2.1 0.5 0.6 0.7	1.9 0.4 0.5 0.5 0.6	2.0 1.3 0.5 0.6 0.7	3.0 0.7 0.9	0.4 0.5 0.7	0.4 0.6 0.8	0.7 0.8 0.8 0.9 0.9	0.7 0.7 0.8 0.8 0.9	0.7 0.8 0.8 0.8 0.9
6 7 8 9 10	7.4 7.4 7.3 7.1 7.0	7.0 6.8 7.0 6.8 6.8	7.2 7.1 7.1 6.9 6.9	0.8 0.8 0.9 1.0 1.1	0.7 0.7 0.8 0.9 1.0	0.8 0.8 0.9 1.0 1.0	1.0 1.2 1.3 1.5 1.7	0.9 1.0 1.2 1.4 1.6	1.0 1.1 1.2 1.4 1.7	1.0 1.1 1.2 1.3 1.3	1.0 1.0 1.1 1.2 1.3	1.0 1.1 1.2 1.2 1.3
11 12 13 14 15	6.8 6.8 5.7 5.1 4.8	5.9 5.4 5.1 4.8 4.2	6.5 5.6 5.3 5.0 4.4	1.2 1.2 1.3 1.4 1.5	1.0 1.1 1.2 1.3 1.4	1.1 1.1 1.2 1.3 1.4	2.0 2.2 2.4 	1.8 2.0 2.2	1.9 2.1 2.3	1.4 1.5 1.6 1.7	1.4 1.4 1.5 1.6 0.4	1.4 1.5 1.6 1.6 1.0
16 17 18 19 20	4.6 2.8 2.3 2.2 2.3	2.9 2.1 1.9 1.7 1.8	3.7 2.4 2.1 1.9 2.0	1.6 1.7 1.7 1.8 0.7	1.5 1.6 1.7 0.4 0.5	1.5 1.6 1.7 1.1 0.6	0.5 0.6 0.6 0.6 0.6	0.5 0.5 0.6 0.5 0.6	0.5 0.5 0.6 0.6 0.6	0.4 0.4 0.3 6.1	0.4 0.4 0.3 0.4	0.4 0.4 0.3 3.5
21 22 23 24 25	2.0 1.7 1.3 1.3	1.9 1.4 1.2 1.2 1.2	1.9 1.6 1.3 1.3	0.9 1.0 1.1 1.3 1.4	0.7 0.9 1.0 1.2 1.2	0.8 0.9 1.0 1.2 1.3	0.5 0.6 0.6 0.7 0.7	0.5 0.6 0.6 0.6 0.7	0.5 0.6 0.6 0.7 0.7	2.6 2.1	2.1 1.4	2.3 1.7
26 27 28 29 30 31	1.4 1.5 1.6 1.8 2.0	1.3 1.4 1.5 1.7 1.9	1.4 1.5 1.6 1.8 2.0	1.6 1.8 2.0 2.1	1.4 1.6 1.8 2.0	1.5 1.7 1.9 2.1	0.8 0.8 0.5 0.6 0.7 0.8	0.7 0.4 0.4 0.5 0.6 0.7	0.8 0.6 0.4 0.6 0.6	1.5 1.2 0.9 0.6 0.3	1.3 0.8 0.4 0.3 0.2	1.4 1.1 0.7 0.4 0.2
MONTH	8.1	1.2	4.2	2.1	0.4	1.2	3.0	0.4	0.9	6.1	0.2	1.1
YEAR	10.1	0.2	4.1									

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER]	NOVEMBE	R	Ε	DECEMBE	R		JANUARY	7
1	0.8	0.6	0.7	7.2	7.1	7.2						
2 3				7.5 7.2	7.3 6.9	7.4 7.0						
4				7.1	6.7	7.0						
5				7.2	6.3	6.9						
6				6.6	6.3	6.5						
7				7.2	5.7	6.4						
8				8.6	6.2	7.4						
9 10				7.6 7.9	5.6 7.4	6.9 7.6						
				1.5	7.4	7.0						
11												
12 13												
14												
15												
16												
17												
18												
19 20												
21 22												
23												
24												
25	7.3	6.9	7.1									
26	7.1	6.9	7.0									
27	7.7	7.3	7.4									
28 29	7.5 7.6	7.4 6.8	7.4 7.2									
30	7.3	6.5	6.9									
31	8.5	6.7	7.3									
MONTH	8.5	0.6	6.4	8.6	5.6	7.0						
		EEDDIIADS	J		MADCII			A DD II			MAN	
		FEBRUARY	Y		MARCH			APRIL			MAY	
1							9.8	9.4	9.7	9.2	8.7	8.9
2							9.6	9.4 9.4	9.5	9.4	8.7 8.6	8.8
								9.4			8.7	
2 3							9.6 9.6	9.4 9.4 9.4	9.5 9.4	9.4 9.2	8.7 8.6 8.7	8.8 9.0
2 3 4	 	 		 	 	 	9.6 9.6 10.0 10.0	9.4 9.4 9.4 9.5 9.9	9.5 9.4 9.7 10.0	9.4 9.2 9.1 9.1	8.7 8.6 8.7 8.5 7.8	8.8 9.0 8.8 8.5
2 3 4 5	 	 	 		 	 	9.6 9.6 10.0 10.0 10.2 9.8	9.4 9.4 9.4 9.5 9.9	9.5 9.4 9.7 10.0 10.1 9.7	9.4 9.2 9.1 9.1 8.6 8.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3	8.8 9.0 8.8 8.5 8.3 8.5
2 3 4 5 6 7 8	 	 		 		 	9.6 9.6 10.0 10.0 10.2 9.8 9.4	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1	9.5 9.4 9.7 10.0 10.1 9.7 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3	8.8 9.0 8.8 8.5 8.3 8.5 8.5
2 3 4 5 6 7 8 9	 	 			 	 	9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3	8.8 9.0 8.8 8.5 8.3 8.5 8.5 8.6
2 3 4 5 6 7 8 9	 			 		 	9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6	8.8 9.0 8.8 8.5 8.3 8.5 8.5 8.6 8.6
2 3 4 5 6 7 8 9 10	 	 		 			9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6
2 3 4 5 6 7 8 9	 			 		 	9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6	8.8 9.0 8.8 8.5 8.3 8.5 8.5 8.6 8.6
2 3 4 5 6 7 8 9 10 11 12 13 14							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0 8.7	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.2 7.6 7.8 8.3 8.3 8.3	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 8.4 9.0 8.9
2 3 4 5 6 7 8 9 10 11 12 13							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6	8.8 9.0 8.8 8.5 8.5 8.5 8.6 8.6 8.4 9.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0 8.7 8.7	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.2 9.5	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0 8.7 8.7 9.0 9.1	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.2 9.5	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 8.7 9.0 9.1 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2	8.8 9.0 8.8 8.5 8.5 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0 8.7 8.7 9.0 9.1	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.2 9.5	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.7	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.8 9.2 8.9 8.3 8.0	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.5 9.6 9.5	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2	8.8 9.0 8.8 8.5 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4 9.5 9.6 9.5 9.3	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.9 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 8.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.5 9.6 9.5 9.3 9.4	9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.1 8.7 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2 7.7	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 8.7 9.7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4 9.5 9.6 9.5 9.3 9.2	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.8 8.8 8.9 8.9 8.9 8.9 8.9	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.3 9.4 9.4 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.0 8.8 8.7 8.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 7.7	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 7.9 7.7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4 9.5 9.6 9.5 9.3 9.4	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.8 8.8 8.9 8.9 8.9 8.9 8.9	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.4 9.5 9.5 9.6 9.7 9.7 9.8 9.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 8.8	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2 7.7	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 8.4 9.0 8.9 9.3 9.3 8.2 8.1 8.2 8.4 8.4 7.9 7.7 7.2
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4 9.5 9.6 9.5 9.3 9.4 9.7	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.8 8.8 8.9 8.9 8.9 8.9 8.9	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.1 8.8 8.7	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.0 8.8 8.7 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2 7.7 7.4 6.8 6.3 6.7 6.9	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 7.9 7.7 7.2 7.5 7.6
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30							9.6 9.6 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.4 9.5 9.3 9.4 9.5 9.6 9.5 9.3 9.2 9.1 9.1 9.1 9.2	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.8 8.8 8.9 9.2 9.2 9.3 9.1 9.2 9.3 9.3 9.4 9.5 9.6 9.7 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.0 8.8 8.7 8.9 8.9 8.6 9.1 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2 7.7 7.4 6.8 6.3 6.7 6.9 6.9	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 7.9 7.7 7.2 7.5 7.6 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 8.9 9.2 9.3 9.4 9.3 9.4 9.5 9.6 9.5 9.3 9.2 9.3 9.4 9.7	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.4 8.4 8.5 8.5	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.1 8.8 8.7 9.1 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.0 8.8 8.7 8.9 8.7 8.9 8.7 8.9 8.9 8.7 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.2 7.6 7.8 8.3 8.2 7.6 7.8 8.3 8.0 7.8 7.5 8.2 8.2 7.7 7.4 6.8 6.3 6.7 6.9 6.9 6.9 5.5	8.8 9.0 8.8 8.5 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 7.7 7.7 7.5 7.6 7.5 6.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30							9.6 9.6 10.0 10.0 10.2 9.8 9.4 9.7 9.2 9.3 9.0 9.3 9.0 8.9 9.2 9.3 9.4 9.5 9.6 9.5 9.3 9.2 9.1 9.1 9.8	9.4 9.4 9.4 9.5 9.9 9.6 9.4 9.1 9.0 9.0 8.7 8.8 8.6 8.5 8.3 8.6 8.9 9.2 9.2 9.2 9.3 9.1 9.2 8.8 8.8 8.8 8.9 9.2 9.2 9.3 9.1 9.2 9.3 9.3 9.4 9.5 9.6 9.7 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	9.5 9.4 9.7 10.0 10.1 9.7 9.3 9.2 9.0 8.9 9.0 8.7 8.7 9.0 9.1 9.3 9.3 9.3 9.3 9.3 9.4 9.4 9.3 9.3 9.3 9.3	9.4 9.2 9.1 9.1 8.6 8.8 8.7 8.8 9.8 8.7 9.2 9.5 9.8 9.6 9.1 8.7 8.9 8.9 8.6 9.0 8.8 8.7 8.9 8.9 8.6 9.1 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	8.7 8.6 8.7 8.5 7.8 7.9 8.3 8.3 8.2 7.6 7.8 8.3 8.3 9.2 8.9 8.3 8.0 7.8 7.5 8.2 8.2 7.7 7.4 6.8 6.3 6.7 6.9 6.9	8.8 9.0 8.8 8.5 8.3 8.5 8.6 8.6 8.4 9.0 8.9 9.3 9.4 8.9 8.3 8.2 8.1 8.2 8.4 7.9 7.7 7.2 7.5 7.6 7.5

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBI	ER
1 2 3 4 5	7.8 8.2 8.3 8.2 8.1	7.0 7.6 8.0 8.1 7.8	7.4 7.9 8.1 8.2 8.0	5.8 5.2 3.2 3.7 3.3	4.6 3.5 2.0 2.2 1.2	5.0 4.3 2.8 3.0 2.3	0.4 0.6 0.8	0.3 0.4 0.6	0.3 0.5 0.7	0.7 0.7 0.8 0.9 0.9	0.6 0.6 0.7 0.8 0.8	0.6 0.7 0.8 0.8
6 7 8 9 10	7.9 8.0 8.0 7.9 7.8	7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.8 7.9 7.7	3.3 3.5 2.8 2.7 2.5	2.0 1.9 1.4 1.2 1.4	2.7 2.4 2.1 2.2 1.9	1.0 1.1 1.2 1.4 1.7	0.8 1.0 1.1 1.3 1.5	0.9 1.1 1.2 1.4 1.6	1.0 1.0 1.1 5.0 6.2	0.9 0.9 1.0 1.1 3.1	0.9 1.0 1.0 2.5 5.1
11 12 13 14 15	7.7 7.5 7.2 7.3 7.1	7.5 7.2 7.0 6.9 6.5	7.6 7.4 7.1 7.1 6.8	2.4 1.9 1.8 1.8 1.6	1.2 1.2 1.2 1.3 1.4	1.8 1.4 1.4 1.5 1.5	1.9 2.1 2.3	1.7 1.9 2.1 	1.8 2.0 2.2	6.3 6.2 6.1 5.7	5.6 6.0 5.8 5.8 4.1	5.9 6.1 6.0 5.9 4.7
16 17 18 19 20	6.9 5.7 5.2 5.6 5.5	5.1 4.4 4.1 5.0 4.5	6.1 5.2 5.0 5.3 5.1	1.6 1.7 1.8 1.8 0.6	1.5 1.5 1.6 0.3 0.4	1.5 1.6 1.7 1.0 0.6	0.5 0.6 0.5 0.6 0.6	0.4 0.4 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5	4.6 4.0 6.6 7.4	3.6 3.7 3.1 6.7	4.0 3.8 5.3 7.0
21 22 23 24 25	5.2 4.4 4.5 4.7 4.1	3.9 3.8 2.9 3.6 3.0	4.8 4.0 3.8 4.1 3.7	0.9 0.9 1.1 1.3 1.4	0.6 0.8 1.0 1.1 1.3	0.7 0.9 1.0 1.2 1.3	0.5 0.6 0.6 0.7 0.6	0.5 0.5 0.5 0.5 0.6	0.5 0.6 0.6 0.6 0.6	3.9 3.8	3.7 3.3	3.8 3.5
26 27 28 29 30 31	4.5 4.0 4.3 4.6 4.7	3.1 3.0 3.8 4.2 3.8	3.8 3.4 4.0 4.4 4.2	1.6 1.7 1.9 2.1	1.4 1.5 1.7 1.9	1.5 1.6 1.8 2.0	0.8 0.8 0.4 0.5 0.6 0.7	0.6 0.4 0.4 0.4 0.5 0.6	0.7 0.6 0.4 0.5 0.5	3.6 3.5 3.0 3.0 2.8	3.3 2.3 2.0 2.0 2.2	3.4 2.9 2.7 2.7 2.5
MONTH	8.3	2.9	6.0	5.8	0.3	1.9	2.3	0.3	0.8	7.4	0.6	3.2
YEAR	10.2	0.3	5.3									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBE	R	Ε	DECEMBE	R		JANUARY	•
1	2.5	2.2	2.4	8.7	7.4	8.2						
2 3				9.3 9.7	7.7 8.1	8.6 9.2						
4				9.5	8.1	9.0						
5				9.7	8.4	9.1						
6				9.5	7.7	8.4						
7 8				9.7 9.0	8.3 7.8	9.1 8.6						
9				8.0	6.8	7.3						
10				7.6	7.5	7.6						
11												
12												
13 14												
15												
16												
17												
18												
19 20												
21 22												
23												
24 25	8.2	7.0	7.4									
26 27	7.3 7.7	7.0 7.4	7.2 7.5									
28	8.1	7.4	7.7									
29	8.4	7.3	7.8									
30 31	8.4 8.9	6.8 6.8	7.4 8.0									
MONTH	8.9	2.2	6.9	9.7								
		4.4	0.5	2.1	6.8	8.5						
					MADOII			A DDII			3.6.4.37	
		FEBRUAR	Y		MARCH			APRIL			MAY	
1		FEBRUAR'					9.9	9.6	9.7	9.3	9.1	9.2
		FEBRUAR		 		 	9.8	9.6 9.6	9.7 9.7 9.8	9.3 9.4 9.3	9.1 8.8	9.2 9.1 9.2
1 2 3 4		FEBRUARY				 	9.8 10.0 10.2	9.6 9.6 9.5 9.2	9.7 9.8 9.9	9.4 9.3 9.3	9.1 8.8 9.1 9.1	9.1 9.2 9.2
1 2 3		FEBRUAR' 			 		9.8 10.0	9.6 9.6 9.5	9.7 9.8	9.4 9.3	9.1 8.8 9.1	9.1 9.2
1 2 3 4 5	 	FEBRUARY	 	 	 	 	9.8 10.0 10.2 10.1	9.6 9.6 9.5 9.2 9.8	9.7 9.8 9.9 10.0	9.4 9.3 9.3 9.3	9.1 8.8 9.1 9.1 9.1	9.1 9.2 9.2 9.2 9.3
1 2 3 4 5	 	FEBRUAR\		 	 	 	9.8 10.0 10.2 10.1 10.2 10.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7	9.7 9.8 9.9 10.0 10.1 10.0	9.4 9.3 9.3 9.3 10.3 10.0	9.1 8.8 9.1 9.1 9.1 8.9 9.5	9.1 9.2 9.2 9.2 9.3 9.7
1 2 3 4 5	 	FEBRUARY	 	 	 	 	9.8 10.0 10.2 10.1	9.6 9.6 9.5 9.2 9.8	9.7 9.8 9.9 10.0	9.4 9.3 9.3 9.3	9.1 8.8 9.1 9.1 9.1	9.1 9.2 9.2 9.2 9.3
1 2 3 4 5 6 7 8		FEBRUAR\		 	 	 	9.8 10.0 10.2 10.1 10.2 10.3 10.2	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9	9.7 9.8 9.9 10.0 10.1 10.0 10.0	9.4 9.3 9.3 9.3 10.3 10.0 10.1	9.1 8.8 9.1 9.1 9.1 8.9 9.5	9.1 9.2 9.2 9.2 9.3 9.7 9.9
1 2 3 4 5 6 7 8 9		FEBRUAR\		 		 	9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.0	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3	9.1 8.8 9.1 9.1 9.1 8.9 9.5 9.7	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0
1 2 3 4 5 6 7 8 9 10		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 9.9	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5	9.1 8.8 9.1 9.1 9.1 9.5 9.5 9.7 9.9 9.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0
1 2 3 4 5 6 7 8 9 10		FEBRUAR'		 			9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 9.9 10.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 9.9	9.1 8.8 9.1 9.1 9.1 8.9 9.5 9.7 9.9 9.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8
1 2 3 4 5 6 7 8 9 10		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 9.9	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5	9.1 8.8 9.1 9.1 9.1 9.5 9.5 9.7 9.9 9.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4	9.4 9.3 9.3 9.3 10.3 10.1 10.3 10.5 10.3 9.9 9.9 9.7	9.1 8.8 9.1 9.1 9.1 9.5 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 9.9 10.0 8.9 8.8 8.9 9.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.1 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 9.9 9.9 9.7 9.8 9.6	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.9	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.1 9.2 9.3	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 9.9 10.0 8.9 8.8 8.9 9.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.1 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 9.9 9.9 9.7 9.8 9.6	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.1 9.2 9.3 9.4 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.7 9.7	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.1 9.2 9.3 9.4 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 9.5	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.7 9.3 9.4 9.6 9.5	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.2 9.3 9.4 9.2 9.3 9.3 9.3	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 9.5 8.9	9.1 8.8 9.1 9.1 9.1 9.5 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 9.5 8.8 9.0 8.4	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.6 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.1 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 9.5 8.9 9.1	9.1 8.8 9.1 9.1 9.1 8.9 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4 8.7	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.6 9.5 9.3 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.1 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 9.9 9.1 8.9	9.1 8.8 9.1 9.1 9.1 8.9 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4 8.7 8.6 7.6	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6 8.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.6 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.1 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 9.5 8.9 9.1	9.1 8.8 9.1 9.1 9.1 8.9 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4 8.7	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.5 9.3 9.3 9.4 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2 9.2 9.2 9.3 9.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3 9.3 9.2 9.2 9.0 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.3 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 8.9 8.9 8.9 8.5 8.6	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.5 8.4 8.7 8.6 7.6 7.6 7.5 7.8	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6 8.4 8.5 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.5 9.3 9.3 9.4 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2 9.2 9.2 9.1 8.9 9.0 9.1	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3 9.3 9.2 9.2 9.2 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.9 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 8.9 8.9 8.9 8.5 8.6 8.3	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4 8.7 8.6 7.6 7.6 7.5 7.8 8.1	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6 8.4 8.5 8.1 8.2 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUAR'					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.5 9.3 9.3 9.4 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2 9.2 9.2 9.3 9.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3 9.3 9.2 9.2 9.0 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.3 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 8.9 8.9 8.9 8.5 8.6	9.1 8.8 9.1 9.1 9.1 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.5 8.4 8.7 8.6 7.6 7.6 7.5 7.8	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6 8.4 8.5 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY					9.8 10.0 10.2 10.1 10.2 10.3 10.2 10.1 10.3 10.2 10.1 9.9 9.9 9.4 9.5 9.6 9.7 9.3 9.4 9.6 9.5 9.3 9.4 9.6 9.5 9.3	9.6 9.6 9.5 9.2 9.8 10.0 9.7 9.9 10.0 10.0 8.9 8.8 8.9 9.0 9.2 9.2 9.2 9.2 9.2 9.1 8.9 9.0 9.1 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	9.7 9.8 9.9 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 9.4 9.4 9.4 9.1 9.2 9.3 9.4 9.2 9.3 9.3 9.3 9.3 9.2 9.2 9.2 9.2 9.2 9.2	9.4 9.3 9.3 9.3 10.3 10.0 10.1 10.3 10.5 10.3 10.3 9.9 9.7 9.8 9.6 9.6 9.7 9.7 9.5 8.9 9.1 8.9 8.9 8.9 8.5 8.6 8.6 8.3 8.3 8.3	9.1 8.8 9.1 9.1 9.1 9.1 8.9 9.5 9.7 9.9 9.4 9.8 10.0 9.6 9.5 8.5 8.5 8.8 9.0 8.4 8.7 8.6 7.6 7.6 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	9.1 9.2 9.2 9.2 9.3 9.7 9.9 10.0 10.0 10.2 9.8 9.7 9.4 9.6 9.0 9.3 9.4 9.2 9.1 8.9 8.4 8.6 8.4 8.5 8.1 8.2 8.2 7.9

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBE	ER
1 2 3 4 5	7.5 8.0 8.0 7.8 7.9	6.9 7.3 7.6 7.6 7.4	7.2 7.7 7.8 7.7 7.7	9.6 9.6 9.7 9.3 9.1	7.0 8.7 8.8 7.8 7.5	8.8 9.1 9.2 8.5 8.6	7.4 7.9 7.6	7.0 7.5 6.0	7.4 7.6 7.2	9.0 8.8 8.4 8.2 8.1	6.8 6.1 6.8 6.2 6.4	7.9 7.6 7.6 7.5 7.3
6 7 8 9 10	7.8 7.7 7.6 7.5 7.4	7.4 7.4 7.3 7.3 7.0	7.6 7.6 7.4 7.4 7.2	8.8 9.1 9.2 8.9 9.2	7.7 7.8 8.6 7.8 8.4	8.3 8.5 8.8 8.4 8.8	7.4 7.1 7.1 6.7 7.0	7.0 6.6 6.6 6.4 6.1	7.2 6.9 6.9 6.6 6.5	7.8 7.9 7.9 5.8 2.1	6.2 5.8 7.3 1.2 1.3	7.2 7.3 7.6 2.2 1.8
11 12 13 14 15	8.0 9.1 9.5 9.8 10.1	7.0 7.1 7.1 8.4 7.7	7.4 8.1 8.6 9.4 9.4	9.2 9.3 9.6 9.3 9.4	8.4 8.0 8.8 8.7 8.5	8.8 8.5 9.1 8.9 9.0	6.9 6.4 5.9 	6.2 5.2 4.7 	6.5 5.9 5.4	4.2 4.9 6.3 8.3 7.9	2.2 2.7 4.0 3.9 4.2	3.0 4.0 5.2 5.9 6.0
16 17 18 19 20	10.1 9.9 9.8 10.2 10.1	9.5 9.1 9.4 8.9 9.5	9.7 9.6 9.6 9.6 9.8	8.5 8.1 8.0 8.3 8.1	7.7 7.9 7.8 7.9 7.8	8.1 8.0 7.9 8.1 8.0	6.3 6.9 7.8 7.8 7.7	5.7 6.3 6.2 7.0 6.5	6.1 6.6 7.0 7.3 7.1	6.2 8.1 4.2 7.0	3.9 3.3 2.3 3.5	5.0 5.5 3.1 5.3
21 22 23 24 25	9.9 10.0 9.6 9.6 9.5	8.6 9.0 9.2 9.0 9.1	9.6 9.4 9.4 9.2 9.3	8.4 8.4 8.2 8.4 8.3	7.8 7.9 7.8 7.6 7.6	8.0 8.1 8.0 8.0 7.9	7.3 7.1 7.6 7.4 8.0	5.9 6.6 6.5 6.4 6.8	6.5 6.9 6.9 7.0 7.2	 4.6 4.8	 4.4 4.0	4.5 4.4
26 27 28 29 30 31	9.0 9.1 8.5 9.4 9.4	8.0 7.6 7.5 7.4 8.5	8.6 8.2 8.0 8.3 8.9	7.9 7.8 7.6 7.4	7.4 7.3 7.3 7.0	7.6 7.6 7.4 7.2	8.2 8.1 9.1 9.3 9.3 8.9	7.1 6.1 6.6 6.0 6.0 6.2	7.6 7.1 8.0 7.8 7.7 7.9	5.1 6.3 4.6 5.4 5.4	3.6 3.3 3.2 3.4 3.5	4.2 4.2 4.0 4.3 4.4
MONTH YEAR	10.2 10.5	6.9 1.2	8.5 8.0	9.7	7.0	8.3	9.3	4.7	7.0	9.0	1.2	5.3

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER	}	N	OVEMBE	R	Ε	ECEMBE	ER		JANUARY	-
1	3.8	2.1	2.8	8.7	7.4	8.3						
2				9.0	7.8	8.4						
3				9.6	8.1	9.1						
4				9.6	8.5	9.2						
5				9.5	7.7	8.8						
6				9.4	7.8	8.4						
7				9.6	7.9	8.8						
8				9.3	7.7	8.7						
9 10				8.4 7.6	6.9 7.1	7.6 7.4						
10				7.0	7.1	7.4						
11												
12												
13												
14 15												
16												
17												
18 19												
20												
21												
22												
23 24												
25	8.2	7.1	7.4									
26	8.0	6.9	7.3									
27	7.6	7.3	7.4									
28 29	8.1 8.3	7.5 7.4	7.7 7.7									
30	8.4	6.8	7.7									
31	8.8	6.9	7.7									
				9.6	60	8.5						
MONTH	8.8	2.1	7.0	7.0	6.9	0.5						
MONTH		FEBRUAR		7.0	MARCH	0.5		APRIL			MAY	
	I	FEBRUAR'	Y		MARCH			APRIL			MAY	
1		FEBRUAR`	Y		MARCH			APRIL		9.2	MAY 8.9	9.0
1 2	I	FEBRUAR'	Y		MARCH			APRIL		9.2 9.2	MAY 8.9 9.0	9.0 9.1
1	 	FEBRUAR 	Y		MARCH			APRIL		9.2	MAY 8.9	9.0
1 2 3	 	FEBRUAR 	Y	 	MARCH	 	 	APRIL	 	9.2 9.2 9.4	MAY 8.9 9.0 9.1	9.0 9.1 9.2
1 2 3 4 5	 	FEBRUAR' 	Y 	 	MARCH	 	 	APRIL	 	9.2 9.2 9.4 9.2 9.2	MAY 8.9 9.0 9.1 9.1	9.0 9.1 9.2 9.2 9.1
1 2 3 4 5	 	FEBRUAR` 	Y 	 	MARCH	 	 	APRIL	 	9.2 9.2 9.4 9.2 9.2	MAY 8.9 9.0 9.1 9.1 9.1	9.0 9.1 9.2 9.2 9.1
1 2 3 4 5	 	FEBRUAR' 	Y 	 	MARCH	 	 	APRIL	 	9.2 9.2 9.4 9.2 9.2	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3	9.0 9.1 9.2 9.2 9.1 9.2 9.5
1 2 3 4 5 6 7 8 9	 	FEBRUAR	Y 	 	MARCH	 		APRIL	 	9.2 9.2 9.4 9.2 9.2 9.6 9.6	MAY 8.9 9.0 9.1 9.1 9.1	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2
1 2 3 4 5 6 7 8	 	FEBRUAR*	Y 	 	MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3	9.0 9.1 9.2 9.2 9.1 9.2 9.3
1 2 3 4 5 6 7 8 9	 	FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0	9.0 9.1 9.2 9.2 9.1 9.5 9.3 9.2 9.1
1 2 3 4 5 6 7 8 9 10		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8
1 2 3 4 5 6 7 8 9	 	FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6	9.0 9.1 9.2 9.1 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2	9.0 9.1 9.2 9.2 9.1 9.5 9.3 9.2 9.1 8.8 8.8 8.4
1 2 3 4 5 6 7 8 9 10		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4 8.6 8.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.6 8.6 8.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.2	9.0 9.1 9.2 9.2 9.1 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4 8.6 8.4 8.3 8.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.2 8.2	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.2	9.0 9.1 9.2 9.2 9.1 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.4 8.6 8.4 8.3 8.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 8.7 6 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 8.4 8.7 6	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.6 7.5 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.4 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6 7.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7 7.7	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.6 7.5 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.6 7.6 7.5
1 2 3 3 4 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 9.0 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.6 7.5 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7 7.7 7.6 7.6 7.6 7.8	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.6 7.5 7.5 6.3 7.4 7.3	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 8.7 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7 7.7 7.6 7.6 7.6 7.8 7.5	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.4 8.6 8.4 8.3 8.3 8.1 7.9 7.6 7.6 7.5 7.5 7.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 9.1 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7 7.7 7.6 7.6 7.6 7.8	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.6 7.5 7.5 6.3 7.4 7.3	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUAR'	Y		MARCH			APRIL		9.2 9.2 9.4 9.2 9.2 9.6 9.6 9.4 9.3 9.2 8.5 8.6 8.6 8.7 8.7 8.5 8.3 8.4 8.2 8.0 7.8 7.7 7.7 7.6 7.6 7.6 7.8 7.5	MAY 8.9 9.0 9.1 9.1 9.1 9.0 9.3 9.3 9.0 9.0 8.7 8.6 8.4 8.2 8.3 8.4 8.5 8.4 8.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	9.0 9.1 9.2 9.2 9.1 9.2 9.5 9.3 9.2 9.1 8.8 8.8 8.4 8.4 8.6 8.6 8.4 8.3 8.3 8.1 7.9 7.7 7.6 7.5 7.5 7.4

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBE	ER
1 2 3 4 5	7.4 7.9 8.4 8.4 8.0	6.7 6.8 7.3 7.9 7.4	7.1 7.3 7.8 8.1 7.7	8.9 8.7 8.2 8.1 8.1	8.6 8.3 7.9 7.8 7.8	8.8 8.4 8.1 8.0 7.9	7.9 7.9 8.0	7.6 7.5 7.5	 7.7 7.7 7.7	9.2 9.0 9.0 8.3 8.0	8.4 8.5 8.4 8.0 7.6	8.8 8.8 8.6 8.2 7.9
6 7 8 9 10	8.4 8.9 9.4 9.3 9.4	7.9 8.1 8.6 8.6 8.4	8.1 8.4 8.9 8.9	8.3 7.9 7.8 7.9 8.0	7.7 7.7 7.6 7.5 7.4	8.0 7.8 7.6 7.7 7.6	7.9 7.2 7.2 7.2 7.0	7.2 7.0 6.9 6.7 6.7	7.6 7.1 7.0 6.9 6.8	8.7 8.1 8.1 7.9 7.0	8.0 7.6 7.5 6.9 4.9	8.2 7.9 7.8 7.4 5.9
11 12 13 14 15	9.0 8.5 8.6 8.6 8.6	8.3 8.3 8.1 8.3 8.2	8.6 8.4 8.4 8.4 8.4	7.8 7.8 7.6 7.6 8.6	7.5 7.5 7.5 7.4 7.6	7.7 7.7 7.5 7.5 7.8	7.1 7.0 6.4 	6.7 6.7 5.7 	7.0 6.8 6.1	7.7 9.2 9.4 9.6 9.5	6.3 7.4 8.7 9.2 9.3	7.1 8.1 9.0 9.4 9.4
16 17 18 19 20	8.4 7.8 7.7 8.1 8.6	7.9 7.5 7.6 7.7 8.0	8.1 7.6 7.6 7.8 8.2	8.4 8.2 8.1 8.2 8.4	7.8 7.9 7.7 7.8 7.8	8.0 8.0 7.8 8.0 8.0	7.2 8.0 8.1 8.1 7.9	6.4 6.9 7.3 7.6 7.6	6.9 7.4 7.6 7.8 7.8	9.8 9.4 7.4 7.5	9.0 8.2 1.2 6.2	9.4 8.6 5.3 6.8
21 22 23 24 25	8.4 8.1 8.1 8.3 8.3	8.1 7.9 7.6 8.0 7.9	8.2 8.0 7.8 8.2 8.2	8.0 7.8 8.1 8.1 7.9	7.7 7.6 7.5 7.6 7.6	7.9 7.7 7.8 7.8 7.7	7.8 7.4 7.6 7.6 7.8	7.3 6.8 7.2 7.2 7.5	7.6 7.2 7.4 7.4 7.6	6.1 6.5	5.9 5.8	6.0 6.1
26 27 28 29 30 31	8.5 8.9 8.6 8.8 9.6	8.0 8.2 7.9 8.3 8.3	8.4 8.5 8.3 8.5 8.8	7.7 7.5 8.0 7.4	7.3 7.3 7.2 7.0	7.5 7.4 7.4 7.2	7.9 8.7 8.7 8.6 9.1 9.6	7.4 7.9 8.3 8.1 8.4 8.8	7.7 8.3 8.5 8.3 8.8 9.2	6.4 6.5 6.4 6.1 5.8	6.1 6.3 6.1 5.6 5.2	6.2 6.4 6.2 5.9 5.5
MONTH	9.6	6.7	8.2	8.9	7.0	7.8	9.6	5.7	7.6	9.8	1.2	7.5
YEAR	9.8	1.2	7.9									

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
		OCTOBER]	NOVEMBE	R	D	DECEMBE	R		JANUARY	7
1 2	146	144	145	144	143	144						
$\frac{2}{3}$				145 144	143 142	144 144						
4				144	143	144						
5				145	143	144						
6				145	144	144						
7				145	143	145						
8 9				146 155	145 147	145 150						
10				147	146	147						
11												
12												
13												
14 15												
16 17												
18												
19												
20												
21												
22 23												
24												
25	147	145	146									
26	146	145	145									
27	145	144	144									
28 29	145 151	144 145	144 147									
30	146	143	147									
31	145	139	142									
MONTH	151	139	145	155	142	145						
		FEBRUARY	7		MARCH			APRIL			MAY	
1							109	106	107	117	114	116
2							125	107	112	116	110	114
3 4							118 112	109 107	114 109	109 107	103 104	107 106
5							108	107	108	107	104	105
6							113	107	108	106	104	104
7							119	110	113	105	103	104
8							120	114	116	104	103	104
9 10							118 118	111 115	116 118	104 109	103 103	104 104
11 12							119 117	114 116	116 117	105 108	103 104	104 106
13							116	112	115	110	107	108
14							115	114	114	111	107	109
15							117	111	114	117	112	113
16							112	100	106	116	112	114
17 18							110 110	103 107	107 108	116 116	114 114	115 115
19							114	107	111	116	115	116
20							112	110	111	117	115	116
21							112	109	110	117	116	116
22							111	109	110	117	116	116
23 24							110	109	110	117	116	117
24 25							111 112	110 110	110 110	118 118	117 117	118 118
26 27							113 115	111 111	112 113	119 120	118 119	119 119
28							114	113	113	120	119	119
29				104	104	104	115	113	114	120	118	119
30 31				104 110	104 104	104 107	118	115	116	120 129	118 110	119 121
MONTH				110	104	106	125	100	112	129	103	112

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		Sl	EPTEMBE	ER
1 2 3 4 5	116 118 119 119 121	106 115 110 114 113	110 116 114 116 118	128 122 126 122 127	117 116 118 119 118	122 118 120 120 122	143 142 143 143 144	137 137 137 136 136	139 140 140 139 140	164 165 162 163 165	157 159 158 159 156	161 161 160 161 160
6 7 8 9 10	126 116 120 119 119	113 109 111 116 116	118 112 115 118 118	122 123 125 125 123	119 120 119 119 119	121 121 122 121 120	145 144 145 148 148	140 139 139 141 140	142 142 142 144 143	168 166 168 165 123	151 155 160 111 96	160 160 162 142 104
11 12 13 14 15	120 123 122 125 125	117 121 121 121 120	119 121 121 123 122	122 124 127 123 127	120 121 121 121 122	121 123 123 122 124	148 150 151 147 153	141 144 146 144 147	145 146 148 146 149	101 100 100 100 100	94 92 96 95 96	96 95 98 97 98
16 17 18 19 20	125 126 125 127 128	120 124 124 125 126	122 125 125 126 127	128 126 127 127 129	122 123 124 125 124	124 125 125 126 126	150 153 154 157 157	147 151 151 151 154	149 152 153 154 156	100 101 100 88	96 96 89 85	98 98 94 86
21 22 23 24 25	127 128 128 128 128	127 127 127 126 127	127 128 128 127 128	133 131 131 134 134	125 127 127 128 128	128 129 128 131 132	159 161 160 160 161	155 153 153 155 157	156 157 158 158 159	 92 93	 92 90	 92 92
26 27 28 29 30 31	128 129 129 129 129	127 128 127 128 127	127 128 128 129 128	135 135 136 138 139 142	131 131 133 133 136 137	132 133 134 136 137 139	165 164 167 164 162 167	157 153 156 156 156 157	160 160 162 158 160 160	93 97 99 97 96	92 94 95 95 95	93 95 96 96 96
MONTH YEAR	129 168	106 85	122 125	142	116	126	167	136	150	168	85	117

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
		OCTOBER			NOVEMBE	R	Ε	DECEMBE	R		JANUARY	7
1	141	141	141	145	143	145						
2 3				146 146	145 145	145 146						
4				147	146	146						
5				147	145	146						
6				147	145	146						
7				146	143	145						
8 9				146 149	145 147	145 148						
10				147	147	147						
11												
12												
13												
14 15												
16 17												
18												
19												
20												
21												
22 23												
24												
25	146	145	146									
26	145	144	145									
27	145	144	145									
28 29	145 146	144 145	145 146									
30	150	145	140									
31	146	144	145									
MONTH	150	141	145	149	143	146						
		FEBRUARY	7		MARCH			APRIL			MAY	
1							105	105	105	112	110	111
2							106	105	105	113	109	111
3 4							108 107	106 107	107 107	116 117	110 112	114 115
5							108	108	108	116	114	115
6							108	107	108	116	115	115
7							109	108	108	116	110	114
8							110	108	109	116	115	116
9 10							110 110	108 109	109 110	116 117	115 116	116 116
11 12							110 110	110 109	110 110	117 117	116 116	117 117
13							110	107	108	117	117	117
14							113	107	113	117	116	117
15							110	102	106	121	116	118
16							108	105	106	124	117	120
17 18							108 109	106 108	107 109	122 122	118 117	120 119
19							112	108	110	124	118	122
20							115	110	111	125	118	122
21							115	107	110	129	122	126
22							124	108	114	130	120	128
23 24							120	109	115	131	126	129
24 25							115 116	113 110	114 112	140 134	126 128	130 132
26 27							120 118	114 111	117 116	135 136	124 127	130 132
28							118	107	112	135	130	133
29				105	104	105	116	111	114	137	134	136
30 31				105 106	104 105	105 105	115	109	112	137 143	132 134	136 138
MONTH				106	104	105	124	102	110	143	109	122

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBI	ER
1 2 3 4 5	133 126 140 138 136	120 120 127 129 124	124 124 130 134 131	140 147 144 143 144	130 133 139 136 141	137 141 142 139 143	150 150 150 150 150	149 149 147 148 151	149 149 149 149 151	152 152 151 151 151	149 150 149 149 149	150 151 150 150 150
6 7 8 9 10	133 135 140 142 138	123 122 122 134 136	128 126 133 138 137	145 149 153 150 151	139 141 146 142 149	143 144 149 148 150	153 151 149 150 149	150 149 149 149 148	151 150 149 149 149	150 150 147 150 158	148 147 145 144 151	149 148 146 147 156
11 12 13 14 15	136 132 132 134 136	132 127 126 132 130	134 130 131 133 134	149 150 154 151 150	148 143 147 142 147	149 147 150 147 148	150 150 149 148 148	149 149 148 147 147	150 150 149 147 147	166 156 148 149 150	146 144 147 147 146	155 148 147 148 148
16 17 18 19 20	137 137 137 137 137	134 136 135 135 137	135 136 136 136 137	146 146 146 145 145	145 145 145 143 144	146 146 146 144 145	148 149 149 149 149	147 148 149 148 149	148 148 149 148 149	150 151 132 134	147 138 114 103	148 146 124 120
21 22 23 24 25	138 138 138 138 138	136 133 136 136 136	137 136 137 137 137	145 145 145 146 147	145 143 145 144 146	145 145 145 146 146	150 150 150 150 150	149 149 148 149 149	150 149 149 150 149	137 139	 134 127	 136 134
26 27 28 29 30 31	139 138 136 137 139	136 134 135 134 134	138 136 135 136 136	147 149 152 152 151 150	146 148 150 149 149 149	147 148 151 150 150	150 150 150 151 151 151	148 149 149 148 148 149	149 150 150 150 150 150	138 141 136 138 137	128 128 125 127 129	132 132 132 135 134
MONTH	142	120	134	154	130	146	153	147	149	166	103	143
YEAR	166	102	135									

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE	R	Ε	DECEMBE	R		JANUARY	7
1	144	141	142	145	143	145						
2 3				146 146	144 145	145 145						
4				147	145	146						
5				146	145	146						
6				147	145	146						
7				146	143	145						
8 9				146 149	145 145	145 147						
10				149	147	148						
11												
12												
13 14												
15												
16												
17												
18 19												
20												
21												
22												
23												
24 25	147	145	146									
26 27	146 146	145 144	145 145									
28	145	144	145									
29	146	145	146									
30 31	150 147	146 144	147 145									
MONTH	150	141	145	149	143	146						
MOTUTI		FEBRUARY		117	MARCH	110		APRIL			MAY	
1										113	113	113
2										113	113	113
3										117	113	116
4 5										117 117	115	116 117
											116	
6 7										117 118	117 117	117 117
8										119	117	118
9										119	118	119
10										120	119	119
11										121	119	120
12 13										121 121	119 120	120 121
14										121	120	121
15										122	121	121
16										123	122	122
17 18										123 124	122 123	122 123
19										125	123	123
20										125	124	125
21										126	125	125
22										126	126	126
23 24										127 128	126 127	127 128
25										128	128	128
26										128	127	128
27										129	127	128
28										130	128	129
29 30							113	110	112	131 132	129 131	130 131
31										130	129	129
MONTH							113	110	112	132	113	122

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBI	ER
1 2 3 4 5	149 139 136 136 135	133 126 133 134 133	138 135 135 135 134	141 141 139 140 140	140 139 139 139 139	140 140 139 140 139	150 150 150 150 150	149 150 149 149	150 150 149 149 149	152 151 151 151 152	150 150 150 150 150	151 150 150 151 151
6 7 8 9 10	135 136 135 136 136	135 135 135 135 135	135 135 135 136 136	141 142 142 143 143	139 141 142 142 143	140 141 142 142 143	152 151 150 150 150	151 150 149 149 149	151 151 150 150 150	150 150 148 146 148	149 148 146 145 147	150 149 147 145 148
11 12 13 14 15	137 137 137 137 137	135 136 136 137 135	136 136 137 137 136	143 144 144 144 146	143 143 143 139 143	143 143 144 143 145	150 150 150 149 149	149 149 149 147 148	150 150 150 148 148	149 148 147 148 148	146 145 147 147 147	148 147 147 147 148
16 17 18 19 20	137 138 137 137 138	135 135 136 137 138	136 137 137 137 138	146 146 146 146 146	145 145 144 145 145	146 146 145 146 145	149 150 150 150 151	148 149 149 150	149 149 150 150 150	148 146 144 136	147 145 127 133	148 146 136 134
21 22 23 24 25	139 139 139 140 139	138 138 138 138 137	138 139 138 139 138	147 147 147 147 147	146 146 146 146 146	146 146 146 147 147	150 150 150 151 151	148 149 149 150 149	149 150 149 150 150	 144 144	 141 140	 143 142
26 27 28 29 30 31	138 140 140 140 140	137 139 139 140 140	137 140 140 140 140	147 148 150 150 150	147 147 148 149 149 149	147 147 149 150 150	151 150 151 151 151 150	150 150 151 150 150 149	150 150 151 151 150 150	144 144 143 143 141	141 142 143 141 138	142 143 143 142 140
MONTH YEAR	149 152	126 110	137 140	150	139	144	152	147	150	152	127	146

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DAY	MAX	MIN										
	OCTO	OBER	NOVE	MBER	DECE	MBER	JANU	ARY	FEBRU	UARY	MAI	RCH
1 2	6.7	6.6	7.5 7.5	7.2 7.2								
3			7.3	7.1								
4 5			7.3 7.2	7.0 7.0								
6 7			7.2 7.0	7.0 7.0								
8			7.1	7.0								
9 10			7.2 7.2	7.0 7.2								
11												
12 13												
13												
15												
16												
17 18												
19												
20												
21 22												
23												
24 25	7.2	7.1										
26	7.3	7.1										
27	7.2	7.1										
28 29	7.6 7.5	7.3 7.3										
30	7.3	7.2									6.8	6.8
31	7.4	7.2									6.8	6.7
MONTH	7.6	6.6	7.5	7.0							6.8	6.7
	API	RIL	MA	AY	JU	NE	JUI	LY	AUG	UST	SEPTE	MBER
1	6.7	6.6	6.6	6.5	7.0	6.9	7.3	7.2	7.4	7.3	7.2	7.2
2 3	6.8 6.9	6.6 6.7	6.7 6.7	6.5 6.4	7.0 6.9	6.8 6.9	7.3 6.7	6.6 6.6	7.4 7.4	7.3 6.8	7.3 7.3	7.2 7.3
4	6.8	6.7	6.5	6.4	7.0	6.8	6.8	6.7	6.8	6.8	7.3	7.3 7.2
5	6.9	6.8	6.5	6.4	6.9	6.8	6.8	6.8	6.9	6.8	7.3	
6 7	7.0 6.9	6.7 6.8	6.4 6.4	6.2 6.2	6.9 6.9	6.8 6.8	6.8 6.9	6.8 6.8	6.9 6.9	6.8 6.8	7.4 7.5	7.4 7.4
8	6.8	6.7	6.3	6.2	6.9	6.8	6.9	6.9	6.9	6.8	7.5	7.4
9 10	6.8 6.7	6.7 6.7	6.3 6.3	6.2 6.2	7.0 7.0	6.8 6.9	7.0 7.1	6.9 6.9	6.9 6.9	6.9 6.9	7.5 7.5	7.4 7.4
11	6.8	6.7	6.4	6.3	6.9	6.8	7.1	7.0	7.1	6.9	7.5	7.4
12	6.8	6.8	6.3	6.2	6.9	6.8	7.1	7.0	7.1	7.0	7.5	7.4
13 14	6.8 6.8	6.7 6.7	6.5 6.5	6.4 6.4	6.9 6.9	6.8 6.8	7.1 7.2	7.1 7.1	7.0 7.1	7.0 7.0	7.6 7.6	7.5 7.5
15	6.7	6.6	6.7	6.5	6.9	6.8	7.2	7.2	7.1	7.0	7.6	7.4
16	6.7	6.6	6.7	6.5	6.9	6.7	7.2	7.2	7.1	6.8	7.5	7.4
17 18	6.7 6.7	6.6 6.6	6.6 6.5	6.4 6.4	6.8 6.8	6.7 6.7	7.3 7.3	7.2 7.3	6.8 6.9	6.8 6.8	7.4 7.3	7.4 7.2
19	6.7	6.6	6.6	6.5	6.8	6.8	7.3	7.1	6.9	6.8	7.2	7.1
20	6.8	6.6	6.5	6.4	6.8	6.8	7.2	7.1	6.8	6.8		
21	6.7 6.7	6.6 6.5	6.6 6.6	6.5 6.5	6.9 7.0	6.8 6.9	7.1 7.2	7.1 7.1	6.9 7.0	6.8 6.9		
22 23	6.8	6.6	6.6	6.5	6.9	6.9	7.2	7.1	7.0	6.9		
24 25	6.9 6.8	6.5 6.5	6.7 6.7	6.6 6.5	7.0 7.1	6.9 7.0	7.2 7.3	7.2 7.2	7.0 7.1	6.9 7.0	6.9 7.0	6.9 6.8
26 27	6.7 6.6	6.4 6.3	6.7 6.7	6.5 6.6	7.1 7.1	7.0 7.0	7.3 7.3	7.2 7.2	7.1 7.1	7.0 7.0	6.9 6.9	6.8 6.8
28	6.4	6.4	6.7	6.6	7.2	7.1	7.3	7.2	7.2	7.0	6.8	6.8
29 30	6.4 6.6	6.4 6.5	6.7 6.7	6.6 6.6	7.2 7.2	7.1 7.1	7.3 7.3	7.2 7.2	7.2 7.3	7.1 7.2	6.8 6.8	6.8 6.6
31												
			6.8	6.7			7.4	7.3	7.2	7.2		
MONTH	7.0	6.3	6.8 6.8	6.7	7.2	6.7	7.4 7.4	7.3 6.6	7.2 7.4	6.8	7.6	6.6
MONTH YEAR												

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DAY	MAX	MIN										
	OCTO	OBER	NOVE	MBER	DECE	MBER	JANU	ARY	FEBRU	JARY	MAI	RCH
1 2	6.7	6.6	7.5 7.5	7.3 7.3								
3			7.5	7.3								
4 5			7.2 7.4	7.1 7.2								
6 7			7.3 7.2	7.1 7.1								
8			7.4	7.1								
9 10			7.2 7.2	7.1 7.2								
11												
12 13												
13												
15												
16 17												
18												
19												
20												
21 22												
23												
24 25	7.2	7.1										
26	7.3	7.1										
27	7.5	7.1										
28 29	7.6 7.5	7.4 7.4										
30	7.3	7.2									6.9	6.9
31	7.5	7.3									7.0	6.9
MONTH	7.6	6.6	7.5	7.1							7.0	6.9
	API	RIL	MA	ΛY	JU	NE	JUI	LY	AUG	UST	SEPTE	MBER
1	7.0	6.7	6.9	6.7	7.1	7.0	7.4	7.3	7.3	7.3	7.2	7.1
2 3	7.0 7.0	6.8 6.8	6.9 7.0	6.8 6.8	7.0 7.0	7.0 7.0	7.4 6.7	6.7 6.7	7.3 7.4	7.3 6.7	7.3 7.3	7.1 7.2
4	7.0	6.8	6.8	6.7	7.1	7.0	6.8	6.7	6.7	6.6	7.3	7.3
5	7.1	7.0	6.9	6.6	7.0	7.0	6.8	6.8	6.8	6.7	7.4	7.2
6 7	7.1 7.0	6.9 6.9	6.8 6.7	6.5 6.5	7.0 7.0	7.0 6.9	6.8 6.9	6.7 6.8	6.8 6.8	6.8 6.7	7.4 7.5	7.3 7.4
8	6.9	6.8	6.6	6.5	7.0	7.0	6.9	6.8	6.9	6.8	7.5	7.4
9 10	7.0 6.9	6.8 6.8	6.6 7.0	6.5 6.4	7.1 7.1	7.0 7.1	6.9 6.9	6.8 6.8	7.0 7.0	6.9 6.9	7.5 7.5	7.4 7.4
11	6.9	6.8	6.6	6.5	7.1	7.0	7.0	6.9	7.0	6.9	7.5	7.4
12	6.9	6.9	6.6	6.6	7.1	7.0	7.0	7.0	7.1	7.0	7.4	7.4
13 14	6.9 6.9	6.8 6.7	7.0 6.9	6.8 6.8	7.0 7.1	7.0 7.0	7.0 7.1	7.0 7.0	7.1 7.1	7.0 7.0	7.5 7.5	7.4 7.4
15	6.8	6.6	7.2	7.0	7.1	7.0	7.1	7.1	7.2	7.1	7.5	7.2
16	6.8	6.7	7.3	7.0	7.0	6.8	7.1	7.1	7.2	6.7	7.3	7.1
17 18	6.8 6.8	6.6 6.7	7.3 7.2	6.8 6.8	6.9 7.0	6.8 6.8	7.2 7.2	7.1 7.2	6.8 6.9	6.7 6.8	7.2 7.3	7.1 7.1
19	6.8	6.7	7.0	6.8	7.0	6.9	7.2	6.9	6.9	6.8	7.2	7.2
20	6.8	6.7	7.0	6.8	7.0	6.9	7.0	7.0	6.9	6.8		
21	6.9 6.9	6.7 6.7	7.0 7.0	6.8 6.9	7.0 7.0	6.9 7.0	7.0 7.0	6.9 7.0	6.8 7.0	6.8 6.9		
22 23	7.0	6.8	7.2	7.0	7.0	6.9	7.1	7.0	7.0	6.9		
24 25	7.0 6.9	6.7 6.6	7.1 7.0	6.9 6.8	7.1 7.1	7.0 7.1	7.1 7.1	7.1 7.1	7.0 7.1	6.9 7.0	7.0 7.0	7.0 6.8
26 27	6.9 6.8	6.6 6.5	7.2 7.1	6.8 6.9	7.1 7.2	7.0 7.0	7.2 7.2	7.1 7.1	7.1 7.1	7.0 7.0	6.9 6.9	6.8 6.8
28	6.6	6.5	7.1	6.9	7.2	7.2	7.2	7.1	7.1	7.0	6.8	6.7
29 30	6.7 6.9	6.5 6.7	7.1 7.0	6.9 7.2	7.2 7.3	7.2 7.2	7.2 7.3	7.2 7.2	7.2 7.2	7.0 7.1	6.8 6.8	6.7 6.7
31			7.1	6.9			7.3	7.3	7.2	7.2		
MONTH	7.1	6.5	7.3	6.4	7.3	6.8	7.4	6.7	7.4	6.6	7.5	6.7
YEAR	7.6	6.4										

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTO	DBER	NOVE	MBER	DECE	MBER	JANU	ARY	FEBRU	JARY	MAI	RCH
1 2	6.7	6.6	7.7 7.8	7.4 7.5								
3			8.0	7.6								
4 5			7.8 8.0	7.4 7.6								
6			7.9	7.4								
7			7.7	7.4								
8 9			7.5 7.3	7.3 7.2								
10			7.2	7.2								
11												
12 13												
14												
15												
16 17												
18												
19 20												
21 22												
23												
24 25	7.3	7.1										
26	7.3	7.2										
27	7.6	7.4										
28 29	7.7 7.6	7.4 7.4										
30	7.6	7.3									7.4	7.4
31	7.6	7.3									7.4	7.2
MONTH	7.7	6.6	8.0	7.2							7.4	7.2
	API		MA		JU		JUI		AUG		SEPTE	
1 2	7.3 7.3	7.1 7.2	7.3 7.6	7.0 7.0	7.1 7.1	7.0 7.0	7.8 7.7	7.5 7.4	7.7 7.7	7.6 7.6	8.1 8.2	7.6 7.6
3	7.3	7.1	7.3	7.1	7.1	7.1	7.7	7.3	7.7	7.1	8.1	7.7
4 5	7.3 7.2	7.2 7.0	7.3 7.4	7.1 7.1	7.2 7.1	7.1 7.0	7.6 7.5	7.4 7.2	7.4 7.4	7.3 7.0	8.1 8.0	7.7 7.4
6	7.2	7.0	7.5	7.1	7.1	7.0	7.6	7.2	7.3	7.2	8.0	7.7
7	7.4	7.0	7.3	6.8	7.0	7.0	7.6	7.4	7.3	7.2	8.0	7.7
8 9	7.6 7.6	7.2 7.1	7.4 7.4	7.1 7.1	7.1 7.1	7.0 7.0	7.6 7.6	7.4 7.4	7.4 7.3	7.2 7.2	8.0 7.7	7.8 7.3
10	7.7	7.5	7.5	6.9	7.2	7.1	7.6	7.4	7.2	7.1	7.4	7.4
11	7.6	7.5	7.6	7.3	7.2	7.1	7.6	7.5	7.4	7.0	7.5	7.4
12 13	7.4 7.6	7.3 7.3	7.7 7.6	7.4 7.5	7.4 7.5	7.1 7.1	7.6 7.6	7.6 7.6	7.3 7.2	7.1 7.1	7.5 7.6	7.4 7.5
14	7.4	6.9	7.6	7.4	7.5	7.1 7.2 7.2	7.7	7.5	7.0	6.9	7.8	7.5
15	7.1	6.7	7.7	7.4	7.7		7.8	7.6	7.1	7.1	7.7	7.5
16 17	6.9 7.2	6.8 6.8	7.8 7.7	7.4 7.5	7.7 7.7	7.4 7.4	7.7 7.7	7.6 7.6	7.1 7.1	7.0 7.0	7.6 7.7	7.4 7.3
18	7.1	6.7	7.6	7.5	7.8	7.5	7.8	7.7	7.4	7.0	7.7	7.2
19 20	7.2 7.0	6.8 6.8	7.7 7.5	7.5 7.4	7.8 7.8	7.5 7.6	7.8 7.8	7.7 7.7	7.3 7.4	6.9 7.2	7.4	7.1
21 22	7.3 7.4	6.8 6.8	7.6 7.6	7.5 7.4	7.8 7.8	7.7 7.5	7.8 7.8	7.7 7.6	7.4 7.5	7.0 7.4		
22 23 24	7.4	7.0	7.6	7.4	7.7	7.7	7.8	7.6	7.5	7.3	7.2	7.2
25	7.2 7.3	7.1 6.9	7.6 7.6	7.4 7.4	7.7 7.8	7.6 7.7	7.8 7.8	7.7 7.8	7.5 7.6	7.3 7.4	7.2 7.2	7.2 7.1
26	7.1	6.8	7.5	7.4	7.6	7.5	7.8	7.7	7.7	7.6	7.2	7.0
27 28	7.3	6.8	7.5	7.4	7.6	7.4	7.7 7.7	7.7	7.7	7.4	7.3	7.0
29	7.0 7.1	6.8 6.9	7.5 7.4	7.4 7.4	7.6 7.6	7.5 7.4	7.7	7.6 7.6	8.0 8.2	7.4 7.5	7.0 7.1	6.9 6.9
30	7.1	7.0	7.4	7.3	7.6	7.5	7.7	7.6	8.2	7.5	7.0	6.8
31			7 2	7 1			7.7	77	0 1	7.5		
MONTE			7.3	7.1	7.9	7.0	7.7	7.7	8.1	7.5		
MONTH YEAR			7.3 7.8	7.1 6.8	7.8	7.0	7.7 7.8	7.7 7.2	8.1 8.2	7.5 6.9	8.2	6.8

467

CUMBERLAND RIVER BASIN

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTO	OBER	NOVE	MBER	DECE	MBER	JANU	JARY	FEBRU	JARY	MAI	RCH
1 2	6.7	6.6	7.7 7.8	7.4 7.4								
3			7.9	7.5								
4 5			7.9 8.0	7.4 7.3								
6			7.7	7.4								
7			7.7	7.3								
8 9			7.6 7.4	7.3 7.1								
10			7.2	7.2								
11 12												
13												
14 15												
16												
17												
18 19												
20												
21 22												
23												
24 25	7.3	7.1										
26	7.3	7.1										
27	7.4	7.2										
28 29	7.6 7.6	7.4 7.4										
30 31	7.6 7.6	7.3 7.3										
MONTH	7.6	6.6	8.0	7.1								
MONTH	7.0	0.0	0.0	7.1								
	ΔPI	RII	M	ΔV	III	NF	ш	I V	AUG	TZU	SEPTE	MRFR
1	API		M2		JU:		JUI 7 9		AUG		SEPTE	
1 2			7.7 7.6	7.5 7.5	7.3 7.6	7.2 7.1	7.9 7.9	7.8 7.8	7.9 7.8	7.8 7.8	8.4 8.5	8.3 8.3
			7.7	7.5	7.3	7.2	7.9	7.8	7.9	7.8	8.4	8.3
2 3			7.7 7.6 7.4	7.5 7.5 7.3	7.3 7.6 7.5	7.2 7.1 7.2	7.9 7.9 7.7	7.8 7.8 7.6	7.9 7.8 7.8	7.8 7.8 7.5	8.4 8.5 8.5	8.3 8.3 8.3
2 3 4 5	 		7.7 7.6 7.4 7.4 7.4 7.4	7.5 7.5 7.3 7.3 7.2 7.3	7.3 7.6 7.5 7.5 7.3	7.2 7.1 7.2 7.3 7.1	7.9 7.9 7.7 7.8 7.7	7.8 7.8 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6	7.8 7.8 7.5 7.5 7.5 7.4	8.4 8.5 8.5 8.4 8.3	8.3 8.3 8.3 8.3 8.1
2 3 4 5 6 7 8	 	 	7.7 7.6 7.4 7.4 7.4	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3	7.3 7.6 7.5 7.5 7.3	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7	7.8 7.8 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.4 7.5	7.8 7.8 7.5 7.5 7.5	8.4 8.5 8.5 8.4 8.3	8.3 8.3 8.3 8.3 8.1
2 3 4 5 6 7 8 9	 		7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.7 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.5 7.5	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.4	8.4 8.5 8.5 8.4 8.3 8.4 8.3 8.0	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7
2 3 4 5 6 7 8 9			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.7 7.5 7.5 7.5	7.8 7.8 7.5 7.5 7.5 7.5 7.4 7.3 7.4 7.4 7.3	8.4 8.5 8.5 8.4 8.3 8.4 8.3 8.0 7.7	8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6
2 3 4 5 6 7 8 9 10			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.5	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.3	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.4 7.5 7.5 7.3	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.3 7.3	8.4 8.5 8.5 8.4 8.3 8.4 8.3 8.3 8.0 7.7	8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6
2 3 4 5 6 7 8 9 10			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.4 7.4	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.7 7.6 7.6 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.4 7.5 7.5 7.3 7.5 7.4 7.4	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.3 7.4 7.2	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1	8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6
2 3 4 5 6 7 8 9 10			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.5	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.3	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.4 7.5 7.5 7.3	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.3 7.3	8.4 8.5 8.5 8.4 8.3 8.4 8.3 8.3 8.0 7.7	8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6
2 3 4 5 6 7 8 9 10 11 12 13 14 15			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.4	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.6	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.7 7.5 7.5 7.3 7.5 7.4 7.3 7.3 7.3	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1	8.4 8.5 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.7 7.8 7.9 8.1 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.3 7.4 7.4 7.4 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.8 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.6	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.2	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.7 7.8 8.1 8.1 8.1 7.9 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7 7.7	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.5 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.6 7.6	7.8 7.8 7.5 7.5 7.5 7.4 7.4 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.2 7.1 7.3	8.4 8.5 8.5 8.4 8.3 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.6 8.2 7.7	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.2 8.7 7.7 7.6 7.7 7.8 7.9 8.1 7.7 7.3 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7 7.7 7.6 7.6	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.5 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.6 7.6 7.6 7.7	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.3 7.4 7.2 7.1 7.2 7.1 7.2 7.1 7.3 7.4 7.5	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.7 7.8 7.9 8.1 8.1 7.9 7.3 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.7 7.7 7.7 7.6 7.6 7.7	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0 8.0 8.0	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.7 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.5 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.7 7.6 7.7	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 8.1 7.9 7.3 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7 7.7 7.7 7.6 7.6 7.6 7.7	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.6 7.6 7.7 7.6 7.7 7.7	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.2 7.1 7.5 7.5 7.5 7.6	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.7 8.1 8.1 7.9 7.3 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.7 7.7 7.6 7.6 7.7	7.5 7.5 7.3 7.3 7.2 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0 8.0 8.0	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.7 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.5 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.7 7.6 7.7	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 8.1 7.9 7.3 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7 7.7 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.4 7.3 7.3 7.3 7.3 7.6 7.6 7.7 7.6 7.7 7.8 7.9 8.0	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5 7.5 7.6 7.7 7.8	8.4 8.5 8.5 8.4 8.3 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.7 8.1 8.1 7.9 7.3 7.4 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.6 7.7 8.1 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.8 7.8	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.3 7.6 7.7 7.6 7.7 7.8 7.9 8.0 8.4 8.2	7.8 7.8 7.5 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.2 7.1 7.5 7.5 7.5 7.6 7.7 7.8 7.8 8.1	8.4 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 7.5 7.6 7.4	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 7.9 7.3 7.4 7.4 7.5 7.4 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.6 7.7 8.1 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.6 7.7 7.8 7.8 7.9 7.9 7.9 7.8 8.0 7.8 7.8 7.8 7.8	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.3 7.3 7.3 7.3 7.3 7.6 7.7 7.6 7.7 7.8 7.9 8.0 8.4 8.2 8.4	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5 7.6 7.7 7.8 8.1 8.1	8.4 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 7.5 7.6 7.4 7.4	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 8.1 7.9 7.3 7.4 7.4 7.5 7.4 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.6 7.7 8.1 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.8 7.8	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.3 7.6 7.7 7.6 7.7 7.8 7.9 8.0 8.4 8.2	7.8 7.8 7.5 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.2 7.1 7.5 7.5 7.5 7.6 7.7 7.8 7.8 8.1	8.4 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 7.5 7.6 7.4	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 7.9 7.3 7.4 7.4 7.5 7.4 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 8.1 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0 8.0 8.0 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.7	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.6 7.7 7.6 7.7 7.8 7.9 8.0 8.4 8.2 8.4 8.4	7.8 7.8 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5 7.6 7.7 7.8 7.8 8.1 8.3	8.4 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 7.5 7.6 7.6 7.4 7.4 7.3	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 8.1 7.9 7.3 7.4 7.4 7.5 7.4 7.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		7.2	7.7 7.6 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.6 7.7 8.1 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.5 7.5 7.3 7.3 7.3 7.4 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.3 7.6 7.5 7.5 7.3 7.3 7.5 7.8 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.9 8.0 8.0 7.9 8.0 8.0 7.9	7.2 7.1 7.2 7.3 7.1 7.2 7.3 7.5 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.7 7.8 7.8 7.8 7.9 7.9 7.8 8.0 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	7.9 7.9 7.7 7.8 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.8 7.8	7.8 7.8 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.7	7.9 7.8 7.8 7.6 7.6 7.6 7.6 7.7 7.5 7.3 7.5 7.4 7.4 7.3 7.3 7.3 7.6 7.7 7.6 7.7 7.8 7.9 8.0 8.4 8.2 8.4 8.5	7.8 7.8 7.5 7.5 7.5 7.5 7.4 7.3 7.4 7.3 7.4 7.2 7.1 7.2 7.1 7.3 7.4 7.5 7.5 7.5 7.6 7.7 7.8 8.1 8.3 8.4	8.4 8.5 8.4 8.3 8.4 8.3 8.0 7.7 7.9 8.0 8.1 8.1 8.6 8.2 8.2 7.7 7.5 7.5 7.6 7.4 7.4 7.3 	8.3 8.3 8.3 8.3 8.1 8.2 8.2 8.1 7.7 7.6 7.8 7.9 8.1 8.1 7.9 7.3 7.4 7.4 7.5 7.5 7.4 7.5 7.5 7.4 7.5

03400798 MARTINS FORK LAKE AT MARTINS FORK DAM NEAR SMITH, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE	R	Γ	DECEMBE	R		JANUARY	7
1 2	23.0	21.7	22.6	16.1 16.0	15.8 15.8	15.9 15.9						
3				16.0	15.8	15.9						
4				16.0	15.8	15.9						
5				16.0	15.8	15.9						
6				16.1	15.9	16.0						
7				16.1	16.0	16.0						
8 9				16.2 16.2	16.1 16.0	16.1 16.1						
10				15.9	15.8	15.8						
11												
11 12												
13												
14												
15												
16												
17												
18 19												
20												
21												
22												
23												
24 25	17.2	16.9	17.0									
26	17.1	16.7	16.8									
27 28	17.0 17.1	16.5 16.9	16.7 17.0									
29	16.7	16.4	16.6									
30	16.8	16.0	16.3									
31	16.2	15.9	16.0									
MONTH	23.0	15.9	17.4	16.2	15.8	15.9						
		FEBRUARY	(MARCH			APRIL			MAY	
1							9.7	9.4	9.6	12.1	11.8	11.9
2							10.2	9.4 9.5	9.9	12.6	11.8 12.0	12.3
								9.4			11.8	
2 3					 		10.2 10.4	9.4 9.5 9.9	9.9 10.2	12.6 12.9	11.8 12.0 12.4	12.3 12.6
2 3 4	 	 	 	 	 	 	10.2 10.4 10.7	9.4 9.5 9.9 10.1	9.9 10.2 10.4	12.6 12.9 13.3	11.8 12.0 12.4 12.7	12.3 12.6 13.0
2 3 4 5	 	 	 	 	 	 	10.2 10.4 10.7 10.7 10.7	9.4 9.5 9.9 10.1 10.4 10.2 10.2	9.9 10.2 10.4 10.5 10.4 10.3	12.6 12.9 13.3 13.6 13.3 13.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1	12.3 12.6 13.0 13.2 13.0 13.1
2 3 4 5 6 7 8	 		 	 	 		10.2 10.4 10.7 10.7 10.7 10.5 10.2	9.4 9.5 9.9 10.1 10.4 10.2 10.2 10.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2	12.6 12.9 13.3 13.6 13.3 13.2 13.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9	12.3 12.6 13.0 13.2 13.0 13.1 13.2
2 3 4 5	 	 	 			 	10.2 10.4 10.7 10.7 10.7	9.4 9.5 9.9 10.1 10.4 10.2 10.2	9.9 10.2 10.4 10.5 10.4 10.3	12.6 12.9 13.3 13.6 13.3 13.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4
2 3 4 5 6 7 8 9	 		 	 			10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2	9.4 9.5 9.9 10.1 10.4 10.2 10.2 10.1 10.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4	12.3 12.6 13.0 13.2 13.1 13.2 13.4 13.6
2 3 4 5 6 7 8 9 10	 		 	 			10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2	9.4 9.5 9.9 10.1 10.4 10.2 10.2 10.1 10.1 10.1	9,9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8	11.8 12.0 12.4 12.7 12.8 13.1 12.9 13.3 13.4	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6
2 3 4 5 6 7 8 9 10 11 12 13	 		 	 			10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4	11.8 12.0 12.4 12.7 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4
2 3 4 5 6 7 8 9 10 11 12 13 14							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2 10.1 10.1 10.1	9.4 9.5 9.9 10.1 10.4 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6
2 3 4 5 6 7 8 9 10 11 12 13							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 14.0 14.4 14.6 15.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.1 10.3 10.8	9.4 9.5 9.9 10.1 10.4 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8	12.3 12.6 13.0 13.2 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.2 10.5 10.7 10.7 10.6 10.8	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 14.9	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2 10.1 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7 10.8 10.8	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5 10.7 10.7 10.6 10.8 10.9	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.5 15.7	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 14.9 15.0	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 11.1	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7 10.8 10.8 10.8	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7 10.7 10.6 10.8 10.9 10.9 11.0	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 15.0 15.1 15.4 15.6	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2 10.1 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7 10.8 10.8	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5 10.7 10.7 10.6 10.8 10.9	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.5 15.7	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 14.9 15.0	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1 10.9 11.1	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.5 10.7 10.8 10.8 10.9 11.0	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7 10.6 10.8 10.9 10.9 11.0 11.0	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.2 15.7 16.1 16.1	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 15.0 15.0 15.1 15.4 15.6 15.8 15.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1 15.3 15.6 15.8 16.0 16.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26							10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 11.1 10.9 11.1 11.0 11.1 11.0	9.4 9.5 9.9 10.1 10.4 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.5 10.7 10.8 10.8 10.9 11.0 11.0	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7 10.7 10.6 10.8 10.9 11.0 11.0 11.0	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.2 15.5 16.1 16.1 16.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 15.0 15.1 15.4 15.8 15.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1 15.3 15.6 15.8 16.0 16.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28							10.2 10.4 10.7 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 11.1 10.9 11.1 11.0 11.1 11.0 11.1 11.1	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.5 10.7 10.8 10.8 10.9 11.0 11.0 11.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7 10.6 10.8 10.9 10.9 11.0 11.0 11.0 11.1 11.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.2 15.2 15.2 15.2 15.5 15.7 16.1 16.1 16.2	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 15.0 15.0 15.1 15.4 15.6 15.8 15.8 15.4 15.5	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 15.0 15.2 15.3 15.0 15.1 15.1 15.3 15.6 15.8 16.0 16.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29							10.2 10.4 10.7 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1 11.0 11.0 11.1 11.0 11.1 11.0 11.1 11.1 11.2 11.3 11.6	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7 10.8 10.8 10.9 11.0 11.0 11.1 11.1 11.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5 10.7 10.6 10.8 10.9 10.9 11.0 11.0 11.0 11.1 11.1 11.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.2 15.2 15.2 15.2 15.2 15.5 15.7 16.1 16.1 16.2 15.7 15.4 15.5 15.8	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 15.0 15.0 15.1 15.4 15.6 15.8 15.8 15.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1 15.1 15.6 15.8 16.0 16.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					8.9		10.2 10.4 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1 11.0 11.1 11.0 11.1 11.0 11.1 11.0	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.5 10.7 10.8 10.8 10.9 11.0 11.0 11.0 11.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.5 10.7 10.7 10.6 10.8 10.9 11.0 11.0 11.0 11.0 11.1 11.1 11.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.6 15.2 15.2 15.2 15.2 15.2 15.2 15.7 16.1 16.1 16.1 16.2 15.5 15.6 15.5 15.6	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 14.9 15.0 15.0 15.1 15.4 15.6 15.8 15.8 15.8 15.5 15.5 15.5 15.5 15.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1 15.1 15.3 15.6 15.8 16.0 16.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29							10.2 10.4 10.7 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.1 10.1 10.3 10.8 11.0 10.9 10.7 10.9 11.1 11.0 11.0 11.1 11.0 11.1 11.0 11.1 11.1 11.2 11.3 11.6	9.4 9.5 9.9 10.1 10.2 10.2 10.1 10.1 10.1 10.1 10.1 10.2 10.3 10.6 10.6 10.5 10.7 10.8 10.8 10.9 11.0 11.0 11.1 11.1 11.1	9.9 10.2 10.4 10.5 10.4 10.3 10.2 10.2 10.1 10.1 10.1 10.1 10.2 10.5 10.7 10.6 10.8 10.9 10.9 11.0 11.0 11.0 11.1 11.1 11.1	12.6 12.9 13.3 13.6 13.3 13.2 13.4 13.5 13.8 13.9 14.4 14.6 14.7 15.4 15.5 15.2 15.2 15.2 15.2 15.2 15.5 15.7 16.1 16.1 16.2 15.7 15.4 15.5 15.8	11.8 12.0 12.4 12.7 12.8 12.8 13.1 12.9 13.3 13.4 13.6 13.7 14.1 14.6 14.8 14.9 15.0 15.0 15.1 15.4 15.6 15.8 15.8 15.8	12.3 12.6 13.0 13.2 13.0 13.1 13.2 13.4 13.6 13.8 14.0 14.4 14.6 15.0 15.2 15.3 15.0 15.1 15.1 15.1 15.6 15.8 16.0 16.0

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBI	ER
1 2 3 4 5	18.7 18.5 18.5 18.6 18.4	18.1 18.3 18.1 18.1 18.1	18.6 18.4 18.3 18.4 18.3	18.9 19.0 19.0 18.8 18.7	18.7 18.9 18.8 18.8 18.6	18.8 19.0 18.9 18.8 18.7	17.9 17.9 17.9 17.9 17.9	17.9 17.9 17.8 17.8 17.8	17.9 17.9 17.9 17.9 17.8	17.9 17.9 17.9 17.8 17.9	17.8 17.8 17.8 17.8 17.8	17.8 17.8 17.8 17.8 17.8
6 7 8 9 10	18.5 18.5 18.3 18.3 18.4	18.3 18.2 18.2 18.2 18.3	18.3 18.3 18.3 18.2 18.3	18.7 18.6 18.5 18.5 18.5	18.6 18.5 18.5 18.4 18.4	18.6 18.6 18.5 18.5 18.4	17.9 17.9 17.8 17.8 17.9	17.8 17.8 17.8 17.8 17.8	17.9 17.8 17.8 17.8 17.8	18.0 18.0 17.9 17.9	17.8 17.7 17.8 17.8 17.8	17.9 17.9 17.9 17.9 17.8
11 12 13 14 15	18.4 18.1 18.2 18.0 18.0	18.0 18.0 18.0 18.0 17.9	18.3 18.0 18.0 18.0 17.9	18.5 18.4 18.4 18.4 18.3	18.4 18.3 18.3 18.2	18.4 18.4 18.4 18.3 18.3	17.8 17.9 17.9 17.9 17.9	17.7 17.8 17.8 17.8 17.8	17.8 17.8 17.8 17.8 17.9	17.9 17.9 18.1 18.0 18.1	17.8 17.7 17.9 17.9 17.9	17.8 17.8 18.0 17.9 18.0
16 17 18 19 20	18.2 18.1 18.1 18.1 18.1	17.9 18.0 18.0 18.0 18.0	18.1 18.1 18.0 18.0 18.0	18.3 18.2 18.2 18.2 18.1	18.2 18.1 18.2 18.1 18.0	18.2 18.2 18.2 18.1 18.1	17.9 17.8 17.8 17.8 17.8	17.8 17.7 17.7 17.7 17.7	17.8 17.8 17.8 17.8 17.8	18.0 18.0 18.1 19.8	18.0 17.9 18.0 18.4	18.0 18.0 18.0 19.3
21 22 23 24 25	18.2 18.2 18.1 18.0 18.0	18.0 18.1 18.0 17.9 17.9	18.1 18.1 18.1 18.0 17.9	18.1 18.1 18.1 18.1 18.1	18.0 18.0 18.0 18.0 18.0	18.1 18.1 18.1 18.1 18.0	17.9 17.8 17.8 17.8 17.8	17.7 17.8 17.7 17.7 17.8	17.8 17.8 17.8 17.8 17.8	19.4 19.3	19.4 19.3	19.4 19.3
26 27 28 29 30 31	17.9 17.9 18.1 18.4 18.7	17.8 17.8 17.7 18.2 18.5	17.8 17.8 17.8 18.3 18.6	18.0 18.0 18.0 18.0 18.0 18.0	17.9 17.9 17.9 17.8 17.9 17.9	18.0 18.0 18.0 17.9 18.0 17.9	17.9 17.9 17.9 18.0 17.9 17.9	17.8 17.8 17.7 17.7 17.8 17.8	17.8 17.8 17.8 17.8 17.8 17.8	19.3 19.2 19.2 19.2 19.2	19.3 19.2 19.2 19.2 19.1	19.3 19.2 19.2 19.2 19.2
MONTH	18.7	17.7	18.1	19.0	17.8	18.3	18.0	17.7	17.8	19.8	17.7	18.3
YEAR	23.0	8.9	16.2									

03400800 MARTINS FORK NEAR SMITH, KY

LOCATION.--Lat 36°45'08", long 83°15'27", Harlan County, Hydrologic Unit 05130101, on left bank 150 ft downstream from State Highway 987 bridge, 0.3 mi downstream from Martins Fork Dam, 0.7 mi downstream from Crane Creek, 1.0 mi north of Smith, and at mile 15.3.

DRAINAGE AREA.--55.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1968-71, and annual maximums, water years 1968-70. April 1971 to Sept. 30, 2004 (discontinued).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 1,259.00 ft above NGVD of 1929. July 25, 1967 to Apr. 9, 1971, crest-stage gage at site 30 ft downstream at same datum, and Apr. 10, 1971 to Sept. 30, 1977, water-stage recorder at site 0.8 mi downstream at same datum.

REMARKS.--Records good. Flow regulated by Martins Fork Dam (station 03400798) beginning January 1979.

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

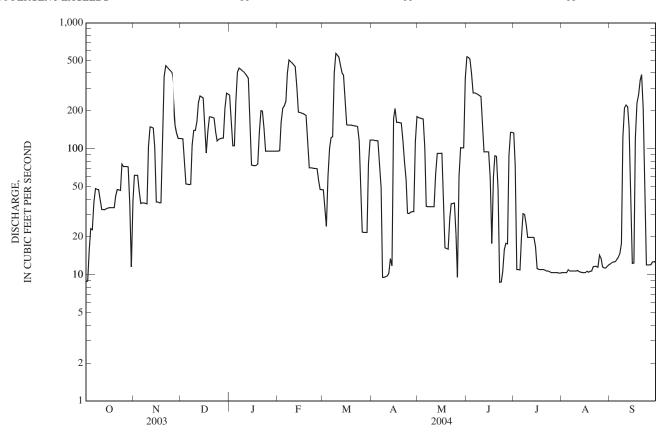
DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	8.8 8.9 16 23 23	62 62 62 46 37	121 120 77 53 52	266 177 106 106 237	96 97 162 209 218	47 34 24 61 102	117 117 116 116 116	177 176 174 172 102	538 529 516 396 277	133 74 11 11	10 10 10 10 11	12 12 13 13 13
6	38	37	52	404	239	122	77	35	277	20	11	14
7	48	37	52	436	397	125	49	35	274	31	11	15
8	48	37	107	428	507	399	9.6	35	271	30	11	18
9	48	37	140	418	493	572	9.6	35	265	25	11	123
10	39	104	140	408	481	555	9.7	35	260	20	11	211
11 12 13 14 15	33 33 33 33 34	150 148 146 104 38	165 231 263 258 253	394 380 363 181 74	465 450 314 196 195	535 459 400 384 257	9.8 10 13 12 174	35 64 92 92 92	164 95 95 95 95	20 20 20 20 20 17	11 11 11 10 10	222 215 146 54 12
16	34	38	161	74	192	155	209	92	58	11	10	12
17	34	37	93	73	190	154	162	46	18	11	11	121
18	34	37	137	74	187	154	162	16	60	11	10	230
19	34	166	179	76	184	154	161	16	88	11	11	267
20	42	375	179	136	120	154	160	16	87	11	11	348
21	48	456	178	201	71	152	118	28	47	11	12	388
22	47	445	175	199	71	151	79	37	8.7	11	12	209
23	47	430	136	145	70	150	57	37	8.8	11	12	46
24	76	416	115	96	70	116	31	37	11	11	11	12
25	72	403	119	96	70	46	31	21	16	10	14	12
26 27 28 29 30 31	72 72 72 37 12 38	261 154 133 121 121	120 121 122 210 276 271	96 96 96 96 96	69 56 48 48 	22 22 22 22 76 117	31 32 32 114 180	9.5 61 102 102 102 363	18 18 89 135 135	10 10 10 10 10 10	14 12 11 11 12 12	12 12 13 13 13
TOTAL	1,237.7	4,700	4,676	6,124	5,965	5,742	2,514.7	2,436.5	4,944.5	632	345	2,801
MEAN	39.9	157	151	198	206	185	83.8	78.6	165	20.4	11.1	93.4
MAX	76	456	276	436	507	572	209	363	538	133	14	388
MIN	8.8	37	52	73	48	22	9.6	9.5	8.7	10	10	12
STATIST	ICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1980 - 2004	BY WATE	R YEAR (W	Y)			
MEAN	48.8	104	144	173	208	200	131	120	74.1	25.8	29.7	27.1
MAX	181	226	452	357	481	413	428	322	267	75.3	117	117
(WY)	(1990)	(1997)	(1992)	(1982)	(1994)	(2002)	(1998)	(1983)	(1989)	(1990)	(1996)	(1989)
MIN	11.0	28.9	16.4	10.1	66.9	33.5	12.4	36.7	12.5	9.34	9.43	9.49
(WY)	(1998)	(1981)	(1981)	(1981)	(1999)	(1988)	(1986)	(1987)	(1988)	(1988)	(1988)	(1984)

471

03400800 MARTINS FORK NEAR SMITH, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1980 - 2004
ANNUAL TOTAL	53,722.5	42,118.4	
ANNUAL MEAN	147	115	107
HIGHEST ANNUAL MEAN			173 1994
LOWEST ANNUAL MEAN			58.0 1988
HIGHEST DAILY MEAN	1,360 Feb 18	572 Mar 9	1,880 Mar 19, 2002
LOWEST DAILY MEAN	6.7 Jul 1	8.7 Jun 22	4.3 Mar 9, 2002
ANNUAL SEVEN-DAY MINIMUM	10 Aug 28	10 Jul 25	4.4 Mar 8, 2002
MAXIMUM PEAK FLOW	_	597 Mar 8	9,000 Apr 4, 1977
MAXIMUM PEAK STAGE		11.33 Mar 8	24.24 Apr 4, 1977
INSTANTANEOUS LOW FLOW			0.10 Oct 30, 1978
10 PERCENT EXCEEDS	447	277	292
50 PERCENT EXCEEDS	67	72	46
90 PERCENT EXCEEDS	11	11	11



03400800 MARTINS FORK NEAR SMITH, KY

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to current water year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE.--October 1971 to current water year.

pH.--December 1979 to current water year.

WATER TEMPERATURES.--October 1971 to current water year.

DISSOLVED OXYGEN.--October 1971 to current water year.

INSTRUMENTATION .-- Water-quality monitor with telemetry.

REMARKS.-

SPECIFIC CONDUCTANCE .-- Records rated good.

pH.--Records rated good.
WATER TEMPERATURE.--Records rated good.

DISSOLVED OXYGEN .-- Records rated good.

EXTREMES FOR PERIOD OF RECORD .--

SPECIFIC CONDUCTANCE. -- (water years 1972-77, 1980 to current water year) Maximum recorded, 561 microsiemens, Feb. 12, 1972; minimum recorded 49 microsiemens, Feb 26, 1985.

pH.--Maximum recorded, 8.2 units, July 2, 1980; minimum recorded, 5.9 units, Jan. 6, 7, 1996, Sept. 20, 1998.

WATER TEMPERATURE.--Maximum recorded, 32.5°C, Aug. 6, 1982; minimum recorded, 0.0°C, on many days during the winter months.

DISSOLVED OXYGEN.--Maximum recorded, 15.6 mg/L, Jan. 20, 21, 1985; minimum recorded, 4.6 mg/L, Aug. 10, 1994.

EXTREMES FOR CURRENT YEAR .--

SPECIFIC CONDUCTANCE.--Maximum recorded, 162 microsiemens, Sep. 8; minimum recorded 94 microsiemens, Feb. 10.

pH.--Maximum recorded, 7.5 units, Dec. 15; minimum recorded, 6.3 units, Jan. 25, Mar. 28-31. WATER TEMPERATURE.--Maximum recorded, 27.6°C, July 21; minimum recorded, 3.6°C, Jan. 23 DISSOLVED OXYGEN.--Maximum recorded, 15.5 mg/L, Apr. 8; minimum recorded, 3.5 mg/L Sep. 9.

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	(OCTOBE	R	N	OVEMBE	ER	D	ECEMBE	ER		JANUARY	7
1 2 3 4 5	150 151 151 150 148	147 149 147 147 146	148 150 149 148 147	146 147 147 147 147	141 144 144 143 143	145 145 145 145 146	129 129 130 130 130	128 126 127 127 127	129 128 129 129 128	114 113 113 113 118	111 111 109 109 113	113 112 110 111 116
6 7 8 9 10	147 147 148 148 149	146 145 146 147 148	146 146 147 148 149	150 148 153 156 153	144 146 147 151 142	148 147 148 153 148	127 127 127 126 125	126 125 125 123 122	127 126 126 124 123	120 121 120 119 121	117 118 116 117 114	118 119 118 118 118
11 12 13 14 15	150 150 150 150 150	149 149 149 141 149	149 150 150 149 150	147 147 145 144 147	141 142 144 139 138	145 146 145 142 142	122 122 124 124 115	119 119 117 115 111	121 120 121 120 113	114 110 106 109 109	109 104 104 106 108	111 107 105 108 108
16 17 18 19 20	155 150 146 145 146	150 144 142 141 142	152 149 144 143 144	141 141 139 149	138 137 135 135 134	140 139 138 142 140	113 115 116 117 115	111 113 114 115 113	112 114 115 116 115	111 112 113 114 115	109 111 111 111 113	110 111 112 112 114
21 22 23 24 25	148 148 148 149 150	145 147 146 148 148	147 147 147 148 149	141 126 122 117 121	118 113 107 108 114	125 116 115 114 116	116 116 117 116 116	113 114 114 115 115	114 115 115 115 115	115 111 114 114 115	111 106 106 108 113	114 109 108 113 114
26 27 28 29 30 31	149 149 151 155 154 150	148 148 149 151 150 141	149 149 150 153 152 146	122 123 126 128 129	116 119 123 124 127	120 120 125 126 128	116 112 108 112 107 111	112 106 102 106 103 106	114 107 105 109 104 109	115 116 115 117 117 116	113 114 114 115 116 114	114 115 114 116 117 115
MONTH	155	141	148	156	107	136	130	102	118	121	104	113

03400800 MARTINS FORK NEAR SMITH, KY-Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	F	FEBRUAR	Y		MARCH			APRIL			MAY	
1 2 3 4 5	116 117 117 124 125	115 115 114 113 117	116 116 115 117 121	122 125 123 122 119	117 117 121 118 113	120 122 122 120 115	106 114 114 113 108	104 105 108 106 107	105 110 111 108 107	117 116 114 111 112	116 112 107 107 104	116 115 111 109 109
6 7 8 9 10	121 119 102 104 99	112 98 98 97 94	115 108 100 99 96	117 118 118 113 117	112 103 106 102 99	115 110 112 106 104	120 122 125 126 123	107 113 122 123 120	110 118 124 124 122	111 109 109 106 105	107 106 105 104 103	110 108 107 104 104
11 12 13 14 15	107 116 117 109 115	95 98 97 97 108	100 104 107 104 113	109 106 103 105 102	96 96 99 101 98	102 101 100 103 100	121 120 121 124 119	118 117 115 118 112	119 119 118 121 116	106 105 107 109 112	104 103 105 106 108	105 104 106 107 109
16 17 18 19 20	121 107 107 109 113	105 105 106 107 109	110 106 107 108 111	106 105 108 107 106	98 100 101 100 101	101 102 104 104 101	112 113 113 115 115	107 105 106 112 113	110 110 111 114 114	114 116 116 117 117	109 113 115 116 116	112 115 116 116 116
21 22 23 24 25	113 114 116 118 118	112 113 114 115 116	113 113 114 116 117	108 103 104 109 109	101 101 100 104 105	104 102 101 106 108	114 114 115 115 115	113 112 111 114 114	113 113 113 114 115	118 118 119 120 121	116 116 117 118 119	117 117 118 119 120
26 27 28 29 30 31	117 119 119 120	116 117 117 117 	116 117 118 118 	106 105 105 105 107 106	104 103 104 104 102 103	105 104 104 105 104 105	114 115 115 116 117	113 114 114 114 115	114 114 115 115 116	123 123 123 127 129	117 120 121 123 116	120 121 122 124 126
MONTH	125	94	111	125	96	107	126	104	114	129	103	113
		JUNE			JULY			AUGUST		CI	EPTEMBE	D
		JUIL			JOLI			AUGUSI		31	EI TEMIDI	ar.
1 2 3 4 5	118 124 124 120 119	112 117 115 117 116	115 119 118 119 118	130 130 127 127 129	128 120 125 124 123	129 126 126 126 126	140 140 141 141 141	137 136 138 138 135	139 138 139 140 140	155 155 156 156 156 157	151 154 154 154 153 155	154 155 155 155 156
2 3 4	124 124 120	112 117 115 117	119 118	130 127 127	128 120 125 124	126 126 126	140 140 141 141	137 136 138 138	139 138 139 140	155 155 156 156	151 154 154 153	154 155 155 155
2 3 4 5 6 7 8	124 124 120 119 122 116 119 119 119	112 117 115 117 116 114 113 115 116 117	119 118 119 118 118 115	130 127 127 129 138 138 141 141 141	128 120 125 124 123 124 135	126 126 126 126 131 137 138 138 140	140 140 141 141 141 142 142 142 142	137 136 138 138 135 139 139 139 139 138	139 138 139 140 140 141 141 141 141 140	155 155 156 156 157 157 156 162 161	151 154 154 153 155 154 150 151 143	154 155 155 155 156 156 154 158 153 137
2 3 4 5 6 7 8 9 10 11 12 13 14	124 124 120 119 122 116 119 119 119 121 121 125 125	112 117 115 117 116 114 113 115 116 117 117 120 120 122	119 118 119 118 118 115 117 117 118 119 120 122 124	130 127 127 129 138 138 141 141 141 141 143 143 143	128 120 125 124 123 124 135 136 137 138 139 139 133	126 126 126 126 131 137 138 138 140 140 140 138 133	140 140 141 141 141 142 142 142 142 141 141 143 145	137 136 138 138 135 139 139 139 139 138 139 140 143 142	139 138 139 140 140 141 141 141 141 140 140 142 143 143	155 156 156 156 157 157 156 162 161 143 133 130 131	151 154 154 153 155 154 150 151 143 132 124 124 124 126	154 155 155 155 156 156 154 158 153 137 128 126 127 129
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	124 124 120 119 122 116 119 119 119 121 121 125 125 126 127 	112 117 115 117 116 114 113 115 116 117 117 120 120 122 123 125	119 118 119 118 118 118 117 117 118 119 120 122 124 124 125 126 127	130 127 127 129 138 138 141 141 141 141 143 143 134 134 133 132 133	128 120 125 124 123 124 135 136 137 138 139 139 133 131 130 130 130 129	126 126 126 126 126 131 137 138 138 140 140 140 138 133 132 132 132 132 131	140 140 141 141 141 142 142 142 142 141 141 143 145 144 145 146 147 147	137 136 138 138 135 139 139 139 139 138 140 143 142 142 144 144	139 138 139 140 140 141 141 141 141 140 140 142 143 143 144 145 146 147	155 156 156 156 157 157 156 162 161 143 133 130 131 131 130 134 127 115	151 154 154 153 155 154 150 151 143 132 124 124 126 127 127 125 109 108	154 155 155 155 156 156 154 158 153 137 128 126 127 129 128 129 130 119
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	124 124 120 119 122 116 119 119 119 121 125 125 126 127 127 128 128 129 130 130 129	112 117 115 117 116 114 113 115 116 117 117 120 120 122 123 125 125 125 126 127 128 126 128	119 118 119 118 118 117 117 117 118 119 120 122 124 124 125 126 127 127 128 129 128 129	130 127 127 129 138 138 141 141 141 141 143 143 134 134 133 133	128 120 125 124 123 124 135 136 137 138 139 139 133 132 131 130 130 130 130 130 131 130 130 131 131	126 126 126 126 127 131 137 138 138 140 140 140 140 133 132 132 132 132 131 131 131	140 140 141 141 141 142 142 142 142 141 141 143 145 144 145 146 147 147 149 150 150	137 136 138 138 135 139 139 139 139 138 139 140 143 142 142 144 144 146 147 147 147	139 138 139 140 140 141 141 141 141 140 142 143 143 144 145 146 147 148 148 149 149 149	155 156 156 156 157 157 156 162 161 143 133 130 131 131 130 134 127 115 119 120 120 122 119	151 154 154 153 155 154 150 151 143 132 124 124 126 127 127 125 109 108 110	154 155 155 155 156 156 154 158 153 137 128 126 127 129 128 129 130 119 111 113
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	124 124 120 119 122 116 119 119 119 121 121 125 126 127 127 128 128 129 130 130 130 131 131 130 131	112 117 115 117 116 114 113 115 116 117 117 120 120 122 123 125 125 125 125 126 128 128 123 129 128 129 127 127	119 118 119 118 118 118 118 117 117 118 119 120 122 124 124 125 126 127 127 128 129 128 129 130 129 130 129 128	130 127 127 129 138 138 141 141 141 141 143 143 134 134 133 132 133 133 133 133 136 137 137 138 138 138 140 141	128 120 125 124 123 124 135 136 137 138 139 139 133 132 131 130 130 130 130 131 130 130 131 130 130	126 126 126 126 126 131 137 138 138 140 140 140 140 133 132 132 132 132 131 131 131 133 136 136 137 137 138 139 139	140 140 141 141 141 141 142 142 142 142 141 141	137 136 138 138 135 139 139 139 139 139 140 143 142 142 142 143 144 144 147 147 148 147 148 147	139 138 139 140 140 141 141 141 141 141 141	155 156 156 156 157 157 157 156 162 161 143 133 130 131 131 130 134 127 115 119 120 122 119 120 121 122 122 122 122 122 122 123 122	151 154 154 153 155 154 150 151 143 132 124 124 126 127 127 125 109 108 110 115 117 117 116 116 118 117 120 120	154 155 155 155 156 156 154 158 153 137 128 126 127 129 128 129 130 119 111 113 117 119 118 117 118 117 118 118 119 120 122 121

03400800 MARTINS FORK NEAR SMITH, KY—Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTO	DBER	NOVE	MBER	DECE	MBER	JANU	JARY	FEBR	UARY	MAF	RCH
1 2 3 4 5	7.2 7.2 7.3 7.2 7.2	7.0 7.1 7.1 7.0 7.0	7.1 7.1 7.1 7.1 7.1	7.0 7.0 7.0 7.0 6.9	7.4 7.3 7.1 7.1 6.9	7.1 7.1 7.0 6.8 6.8	7.0 6.9 7.1 7.0 7.2	6.5 6.6 6.8 6.9	7.0 7.0 7.1 7.1 7.1	6.7 6.5 6.5 6.8 6.5	6.7 6.8 6.8 6.8 7.1	6.5 6.6 6.6 6.7
6 7 8 9	7.2 7.2 7.1 7.1 7.2	7.0 6.9 6.9 6.9 6.9	7.1 7.2 7.2 7.2 7.2 7.2	6.9 7.0 7.0 7.1 7.1	7.3 7.2 7.3 7.2 7.0	6.8 7.0 6.8 6.9 6.7	7.2 7.1 6.9 6.8 6.8	7.1 6.9 6.8 6.6 6.7	6.9 7.0 7.1 7.1 6.9	6.6 6.8 6.8 6.5	7.0 6.9 6.9 6.9 6.8	6.7 6.6 6.8 6.5 6.7
11 12 13 14 15	7.2 7.1 7.1 7.2 7.1	6.8 6.8 6.8 6.7	7.3 7.3 7.5 7.4 7.1	7.0 7.2 7.3 7.1 6.9	7.0 7.1 7.0 7.1 7.5	6.8 6.8 6.6 6.6 6.5	6.8 6.8 6.8 6.8	6.6 6.6 6.4 6.4 6.5	7.0 7.0 7.0 6.9 6.9	6.7 6.5 6.8 6.7 6.4	6.8 6.8 6.7 6.5	6.6 6.7 6.6 6.5 6.4
16 17 18 19 20	7.0 7.0 7.1 7.1 7.1	6.8 6.9 6.9 6.9	7.1 7.0 7.5 7.2 7.4	6.9 6.8 6.8 6.9 7.1	7.3 7.1 7.1 7.0 7.0	6.8 6.8 6.7 6.7	6.8 6.8 7.0 6.9 6.7	6.7 6.5 6.5 6.7	6.8 6.7 6.9 6.9	6.6 6.4 6.5 6.6 6.6	6.8 7.0 6.9 6.9	6.4 6.6 6.6 6.6 6.5
21 22 23 24 25	7.3 7.2 7.3 7.3 7.3	6.9 7.1 7.1 7.1 7.1	7.2 7.2 7.4 7.4 7.2	6.9 6.8 6.8 7.0 7.1	7.1 7.2 6.9 7.1 7.1	6.8 6.6 6.6 6.7 6.8	6.7 6.8 6.6 6.8 6.8	6.6 6.6 6.5 6.6 6.3	6.9 6.9 6.8 6.8	6.8 6.7 6.6 6.6 6.7	6.9 6.9 6.8 6.7 6.7	6.8 6.7 6.6 6.4 6.5
26 27 28 29 30 31	7.3 7.3 7.4 7.4 7.3 7.2	7.2 7.2 7.1 7.2 7.1 7.0	7.3 7.2 7.3 7.3 7.3	7.1 6.9 7.0 7.2 7.1	7.2 7.1 7.0 6.9 6.9 7.1	6.8 6.6 6.5 6.6 6.6 6.5	6.8 6.9 7.0 7.1 7.1 6.9	6.6 6.5 6.7 6.8 6.6 6.8	6.7 6.8 6.8 6.8	6.4 6.4 6.6 6.6	6.7 6.6 6.6 6.6 6.7 6.8	6.5 6.5 6.3 6.3 6.5
MONTH	7.4	6.7	7.5	6.8	7.5	6.5	7.2	6.3	7.1	6.4	7.1	6.3
MONTH	7.4	0.7		0.0								
MONTH	API	RIL	M	AY	JU	NE	JU	LY	AUG	UST	SEPTE	
1 2 3 4 5											7.1 7.1 7.1 7.1 7.0 7.1	7.0 7.0 7.0 7.0 7.0 7.0
1 2 3 4	API 6.9 6.8 6.9 7.0	6.5 6.6 6.6 6.8	MA 6.9 7.0 6.9 7.0	6.9 6.8 6.8 6.8	7.1 7.1 7.2 7.2	7.0 7.1 7.1 7.1	JUI 6.7 6.9 6.9 6.9	6.6 6.7 6.8 6.8	AUG 7.0 6.9 7.0 6.9	6.9 6.9 6.9 6.9 6.8	7.1 7.1 7.1 7.0	7.0 7.0 7.0 7.0
1 2 3 4 5 6 7 8 9	API 6.9 6.8 6.9 7.0 6.9 7.2 7.1 7.1	6.5 6.6 6.6 6.8 6.8 6.8 6.8 6.9	6.9 7.0 6.9 7.0 7.0 7.0 6.9 7.0	6.9 6.8 6.8 6.8 6.9 6.9 6.9	7.1 7.1 7.2 7.2 7.2 7.2 7.1 7.1 7.1	7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	JUI 6.7 6.9 6.9 6.9 6.9 7.1 7.2 7.2	6.6 6.7 6.8 6.8 6.8 6.7 7.1 7.1	AUG 7.0 6.9 7.0 6.9 6.9 6.9 6.8 6.8	6.9 6.9 6.9 6.8 6.8 6.8 6.8	7.1 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.0	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 6.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14	API 6.9 6.8 6.9 7.0 6.9 7.1 7.1 7.0 7.0 6.9 7.0 6.9	6.5 6.6 6.6 6.8 6.8 6.8 6.9 6.9 6.9 6.8 6.8 6.8	MA 6.9 7.0 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.9 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.1 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.9	7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.9 6.9	JUI 6.7 6.9 6.9 6.9 6.9 7.1 7.2 7.2 7.2 7.2 7.1 7.1 6.9	6.6 6.7 6.8 6.8 6.8 6.7 7.1 7.1 7.1 7.1 7.1 6.9 6.9	AUG 7.0 6.9 7.0 6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.9 6.8	6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.0 7.0 7.0 7.1 7.1	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 6.9 6.9 7.0 7.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	API 6.9 6.8 6.9 7.0 6.9 7.2 7.1 7.0 7.0 6.9 7.0 6.9 6.8 6.9 6.9 7.0	6.5 6.6 6.8 6.8 6.8 6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	6.9 7.0 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.9 6.8 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.1 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.9 6.9 7.1 7.2 7.0 7.1	7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.9 6.9 6.9 7.0 7.0 7.0 7.0	7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	6.6 6.7 6.8 6.8 6.8 6.7 7.1 7.1 7.1 7.1 7.1 6.9 6.9 6.9 6.9 6.9	AUG 7.0 6.9 7.0 6.9 6.9 6.9 6.8 6.8 6.8 6.9 6.8 6.9 6.8 6.8 6.8 6.9 6.8 6.8 6.8	6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	7.1 7.1 7.1 7.0 7.1 7.1 7.1 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2 7.2	7.0 7.0 7.0 7.0 7.0 7.0 7.0 6.9 6.9 7.0 7.0 7.0 7.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	API 6.9 6.8 6.9 7.0 6.9 7.1 7.1 7.0 7.0 6.9 7.0 6.9 6.8 6.8 6.9 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.5 6.6 6.6 6.8 6.8 6.8 6.9 6.9 6.9 6.8 6.8 6.8 6.7 6.6 6.7 6.6 6.8 6.9 6.9 6.9	7.0 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.9 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.1 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.9 6.9 7.1 7.0 6.9 6.9 6.9 7.1 7.0 6.9 6.9	7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.0 7.0 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.6 6.7 6.8 6.8 6.8 6.8 6.7 7.1 7.1 7.1 7.1 7.1 6.9 6.9 6.9 6.9 6.9 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	AUG 7.0 6.9 7.0 6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1	6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	7.1 7.1 7.1 7.0 7.1 7.1 7.1 7.0 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 6.9 6.9 7.0 7.0 7.1 7.2 7.1 7.2 7.2 7.2 7.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	API 6.9 6.8 6.9 7.0 6.9 7.1 7.1 7.0 7.0 6.9 7.0 7.0 6.9 6.8 6.8 6.9 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.5 6.6 6.6 6.8 6.8 6.8 6.8 6.9 6.9 6.8 6.8 6.8 6.7 6.6 6.7 6.6 6.7 6.8 6.9 6.9 6.9 6.9 6.9 6.9	7.0 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.9 6.8 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.1 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.9 6.9 7.1 7.0 6.9 7.0 6.9 6.9 7.0 7.0 6.9 6.9 7.0 7.0 6.9 6.9 7.0 7.0 6.9 6.7 6.7	7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.0 7.0 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.1 7.1 6.9 7.0 7.0 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	6.6 6.7 6.8 6.8 6.8 6.8 6.7 7.1 7.1 7.1 7.1 7.1 6.9 6.9 6.9 6.9 6.9 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	AUG 7.0 6.9 7.0 6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.9 6.8 6.9 6.9 6.9 7.0 7.0 7.0 7.1 7.1	6.9 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	7.1 7.1 7.1 7.0 7.1 7.1 7.1 7.0 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 6.9 6.9 7.0 7.0 7.1 7.2 7.1 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
3			OCTOBER		N					R		JANUARY	,
The color of the	2 3 4	23.0 22.5 22.4	20.3 19.9 21.2	21.4 21.2	18.9 19.4	17.9 17.8	18.3 18.4 18.2 18.5 18.7	10.5 9.9 9.0 8.7 8.7	9.9 8.9 8.6 8.6 8.3	10.3 9.4 8.8 8.6 8.5	5.7 6.1 7.4 8.6 8.8	5.1 5.5 6.1 7.4 8.3	5.8 6.7 8.1
16	7 8 9	22.2 22.2 22.1	21.1 21.1 21.2	21.4 21.5 21.5	18.9 19.0 18.8	18.2 17.8 17.5	18.6 18.3 18.0	8.2 8.0 7.8	7.8 7.7 7.4	7.9 7.8 7.6	7.8 7.5 7.3	7.4 7.2 6.8	7.6 7.4 7.0
16	12 13 14	22.6 23.1 22.5	21.4 21.6 21.6	21.8 22.3 22.1	16.4 16.2 15.0	16.1 15.0 14.2	16.3 15.6 14.6	7.3 7.2 6.9	7.1 6.8 6.9 6.6 6.5	7.3 7.1 7.0 6.8 6.8	6.2 5.9 5.9 6.1 6.3	5.8 5.6 5.3 5.4 5.9	5.8 5.6 5.8
26 20.1 19.1 19.6 13.3 12.7 13.0 5.1 4.9 5.0 4.6 4.4 4.5 5.0 2.6 11.5 2.0 19.0 19.3 18.7 19.0 12.1 11.6 11.8 5.7 5.2 5.4 5.2 4.7 5.0 2.8 19.2 18.6 18.8 11.8 11.4 11.6 5.7 5.2 5.3 5.4 5.2 4.7 5.0 2.8 19.2 18.6 18.8 11.8 11.4 11.6 5.7 5.2 5.3 5.4 5.2 4.7 5.0 2.9 2.0 3 18.3 19.0 11.4 10.7 11.0 5.4 5.2 5.3 5.4 4.7 4.1 4.3 30 20.7 17.6 18.9 10.8 10.4 10.6 5.5 5.6 5.2 5.3 4.5 3.9 4.3 2.9 19.7 17.8 18.4	17 18 19	21.0 21.2 21.1	20.5 19.8 19.7	20.7 20.5 20.3	13.7 16.0 14.0	13.1 13.0 13.1	13.4 13.5 13.5	7.2 6.7 6.4	6.4 5.8	7.0 6.9 6.6 6.1 5.7	6.1 6.4 6.3 5.9 5.3	5.7 6.0 5.9 5.2 5.0	6.2 6.1 5.5
MONTH 23.1	22 23 24	20.9 20.3 20.2	19.8 19.4 18.8	20.3 19.8	14.0 14.5 13.9	13.4 13.2 13.2	13.7 13.7 13.6	5.3 5.4 5.4	4.9 4.7	5.3 5.1 5.1 5.2 5.0	5.0 4.6 4.5 4.6 4.6	3.9 3.6 4.1	4.3 4.1 4.4
FEBRUARY MARCH 1 4.8 4.1 4.4 8.0 6.9 7.4 11.3 10.3 10.7 15.0 14.1 14.6 14.9 3 4.6 4.3 4.5 8.8 7.5 7.9 11.6 10.4 11.2 15.6 14.6 14.9 3 4.6 4.3 4.5 8.8 7.5 7.8 12.0 11.1 11.6 16.1 14.9 15.5 4.8 4.5 4.6 12.6 8.1 10.8 12.1 11.2 11.6 18.0 15.9 16.8 6 5.1 4.7 4.9 11.6 9.4 10.2 20.6 11.2 11.4 15.8 15.7 7 5.2 4.6 4.9 10.7 9.2 10.0 17.6 11.4 13.9 16.4 14.5 15.2 8 5.7 5.1 5.4 10.5 9.2 9.9 19.2 15.0 17.5 16.6 14.3 15.2 9 5.9 5.6 5.7 9.9 9.2 9.5 19.6 16.2 18.1 17.0 14.8 15.6 11 5.7 12 5.8 5.6 5.7 9.9 9.2 9.5 19.6 16.2 18.1 17.0 14.8 15.6 11 5.7 12 5.8 5.6 5.7 9.9 9.3 9.6 18.1 17.3 17.7 16.6 15.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 16.2 15.8 13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 15.8 16.6 16.2 15.8 15.7 16.2 15.8 16.2 16.2 15.8 16.2 15.8 16.2 16.2 15.8 16.2 15.8 16.2 16.2 15.8 16.2 16.2 15.8 16.2 16.2 15.8 16.2 16.2 15.8 16.2 16.2 16.2 15.8 16.2 16.2 16.2 16.2 16.2 16.2 16.2 16.2	27 28 29 30	19.3 19.2 20.3 20.7	18.7 18.6 18.3 17.6	19.0 18.8 19.0 18.9			11.8 11.6 11.0 10.6	5.7 5.7 5.4 5.5	4.9 5.2 5.3 5.2 4.9 5.2	5.1 5.4 5.4 5.3 5.3 5.4	5.2 5.2 4.7 4.7 4.5 4.6	4.6 4.7 4.1 4.1 3.9 3.8	5.0 4.3 4.4 4.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	MONTH				19.4	10.4		10.5		6.8	8.8		5.8
6 5.1 4.7 4.9 11.6 9.4 10.2 20.6 11.2 13.3 16.3 14.5 15.7 7 5.2 4.6 4.9 10.7 9.2 10.0 17.6 11.4 13.9 16.4 14.5 15.7 8 5.7 5.1 5.4 10.5 9.2 9.9 19.2 15.0 17.5 16.6 14.3 15.2 9 5.9 5.6 5.7 10.2 9.6 10 20.9 16.0 18.4 16.8 14.6 15.4 10 5.8 5.6 5.7 10.0 9.3 9.5 19.6 16.2 18.1 17.0 14.8 15.6 11 5.9 5.5 5.7 10.0 9.3 9.7 18.5 17.7 18.1 16.7 15.1 15.7 12 5.8 5.6 5.7 9.9 9.3 9.6 18.1 17.7 16.6 15.2 15.8			FEBRUARY	7		MARCH							
6 5.1 4.7 4.9 11.6 9.4 10.2 20.6 11.2 13.3 16.3 14.5 15.7 7 5.2 4.6 4.9 10.7 9.2 10.0 17.6 11.4 13.9 16.4 14.5 15.7 8 5.7 5.1 5.4 10.5 9.2 9.9 19.2 15.0 17.5 16.6 14.3 15.2 9 5.9 5.6 5.7 10.2 9.6 10 20.9 16.0 18.4 16.8 14.6 15.4 10 5.8 5.6 5.7 10.0 9.3 9.5 19.6 16.2 18.1 17.0 14.8 15.6 11 5.9 5.5 5.7 10.0 9.3 9.7 18.5 17.7 18.1 16.7 15.1 15.7 12 5.8 5.6 5.7 9.9 9.3 9.6 18.1 17.7 16.6 15.2 15.8	2 3 4	4.8 4.6 4.6	4.1 4.4 4.3 4.1 4.5	4.4 4.6 4.5 4.4 4.6	8.0 8.3 8.8 8.8 12.6	6.9 7.5 7.5 7.4 8.1	7.4 7.9 7.8 8.0 10.8	11.6 12.0 11.6	10.4 11.1 11.2	11.2 11.6 11.4	16.1 16.8	14.6 14.9 15.4	14.9 15.5 16.1
13 6.3 5.4 5.9 9.9 9.1 9.4 18.8 16.6 17.4 16.8 15.7 16.2 14 6.1 5.9 6.0 10.3 9.3 9.6 17.1 12.2 15.0 16.9 16.1 16.5 15 6.0 5.7 5.9 9.6 9.2 9.3 13.0 11.3 11.8 17.4 16.4 16.9 16 6.1 5.5 5.8 11.6 9.2 10.0 11.8 11.2 11.5 17.9 16.8 17.4 17 6.0 5.8 6.0 10.1 9.2 9.7 12.0 11.1 11.5 20.0 16.9 18.1 18 6.9 5.8 6.3 10.0 9.6 9.8 12.1 11.1 11.6 20.1 16.9 17.9 19 6.8 6.1 6.5 10.0 9.4 9.7 12.2 11.3 11.7 19.2 16.9 17.7 20 6.8 6.2 6.6 12.2 9.4 <t< td=""><td>7 8</td><td>5.2 5.7</td><td></td><td></td><td>10.7 10.5</td><td>9.2 9.2</td><td>10.0</td><td>17.6</td><td>11.4 15.0</td><td>13.9 17.5 18.4</td><td>16.4 16.6</td><td>14.5 14.3</td><td>15.2 15.2</td></t<>	7 8	5.2 5.7			10.7 10.5	9.2 9.2	10.0	17.6	11.4 15.0	13.9 17.5 18.4	16.4 16.6	14.5 14.3	15.2 15.2
17 6.0 5.8 6.0 10.1 9.2 9.7 12.0 11.1 11.5 20.0 16.9 18.1 18 6.9 5.8 6.3 10.0 9.6 9.8 12.1 11.1 11.6 20.1 16.9 17.9 19 6.8 6.1 6.5 10.0 9.4 9.7 12.2 11.3 11.7 19.2 16.9 17.7 20 6.8 6.2 6.6 12.2 9.4 10.6 12.1 11.5 11.8 20.2 17.0 18.1 21 6.9 6.5 6.7 11.3 9.7 10.2 12.6 11.5 11.9 18.5 17.1 17.7 22 7.4 6.5 6.9 10.3 9.4 9.9 12.4 11.7 12.0 19.4 17.3 18.1 23 7.2 6.6 6.9 10.9 9.2 10.0 13.0 11.7 12.1 19.7 17.5 18.3 24 7.4 6.7 7.1 11.1 9.8	13 14	6.3 6.1	5.4 5.9	5.9 6.0	9.9 10.3	9.1 9.3	9.4 9.6	18.8 17.1	16.6 12.2	17.4 15.0	16.8 16.9	15.7 16.1	16.2 16.5
22 7.4 6.5 6.9 10.3 9.4 9.9 12.4 11.7 12.0 19.4 17.3 18.1 23 7.2 6.6 6.9 10.9 9.2 10.0 13.0 11.7 12.1 19.7 17.5 18.3 24 7.4 6.7 7.1 11.1 9.8 10.3 14.0 11.9 12.6 19.0 17.6 18.2 25 7.2 6.6 6.8 11.9 9.5 10.4 13.3 11.9 12.4 21.9 17.9 18.9 26 7.0 6.8 6.8 12.0 9.3 10.4 12.8 11.6 12.1 21.9 19.2 20.0 27 7.6 6.6 6.9 10.9 9.6 10.0 14.0 11.6 12.5 28 7.9 6.6 7.1 11.5 9.4 10.1 15.0 12.7 13.7 20.4 20.1 20.2 29 7.9 6.7 7.1 11.9 9.5	17 18 19	6.0 6.9 6.8	5.8 5.8 6.1	6.0 6.3 6.5	10.1 10.0 10.0	9.2 9.6 9.4	9.7 9.8 9.7	12.0 12.1 12.2	11.1 11.1 11.3	11.5 11.6 11.7	20.0 20.1 19.2	16.9 16.9 16.9	18.1 17.9 17.7
27 7.6 6.6 6.9 10.9 9.6 10.0 14.0 11.6 12.5 28 7.9 6.6 7.1 11.5 9.4 10.1 15.0 12.7 13.7 20.4 20.1 20.2 29 7.9 6.7 7.1 11.9 9.5 10.4 14.0 12.9 13.5 21.3 20.1 20.6 30 11.0 9.8 10.2 14.6 13.7 14.0 21.4 20.6 20.9 31 10.9 10.1 10.5 21.5 19.9 20.7	22 23 24	7.4 7.2 7.4	6.5 6.6 6.7	6.9 6.9 7.1	10.3 10.9 11.1	9.4 9.2 9.8	9.9 10.0 10.3	12.4 13.0 14.0	11.7 11.7 11.9	12.0 12.1 12.6	19.4 19.7 19.0	17.3 17.5 17.6	18.1 18.3 18.2
	27 28 29 30	7.6 7.9 7.9	6.6 6.6 6.7	6.9 7.1 7.1	10.9 11.5 11.9 11.0	9.6 9.4 9.5 9.8	10.0 10.1 10.4 10.2	14.0 15.0 14.0 14.6	11.6 12.7 12.9 13.7	12.5 13.7 13.5 14.0	20.4 21.3 21.4	20.1 20.1 20.6	20.2 20.6 20.9

03400800 MARTINS FORK NEAR SMITH, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	ı	S	ЕРТЕМВІ	ER
1 2 3 4 5	21.3 21.2 21.2 20.8 21.0	20.8 20.4 20.3 20.4 20.2	21.0 20.6 20.6 20.5 20.5	22.8 24.9 	22.1 22.2 	22.4 22.9 	 	 	 	26.8 25.4 26.3 26.1 27.0	23.6 24.0 23.5 23.9 23.8	24.8 24.4 24.6 24.7 25.0
6 7 8 9 10	20.8 21.2 21.3 21.8 21.7	20.4 20.4 20.8 21.1 21.2	20.6 20.8 21.0 21.4 21.4	 	 	 	 	 	 	27.3 24.5 24.3 23.7 23.8	23.5 23.8 23.5 21.2 23.3	24.9 24.2 23.9 23.2 23.4
11 12 13 14 15	22.0	21.2	21.4	 	 	 	25.7 25.9	 22.6 22.9	23.9 24.0	23.9 23.9 24.1 26.0 25.8	23.2 23.5 23.5 22.9 21.2	23.5 23.7 23.7 24.2 23.6
16 17 18 19 20	22.7 22.8 22.5 22.1 22.2	21.5 22.2 21.1 21.0 21.1	22.0 22.5 21.8 21.6 21.6	 	 	 	25.7 25.3 26.4 26.7 25.3	23.0 22.7 23.0 23.2 23.5	24.0 23.7 24.3 24.5 24.3	24.2 23.6 22.4 22.2 22.4	23.0 21.1 17.1 21.7 21.4	23.4 23.2 20.4 21.9 21.8
21 22 23 24 25	25.1 24.2 22.0 23.8 21.7	21.1 21.3 20.9 21.0 21.0	22.5 22.5 21.5 22.0 21.3	27.6 	23.1	24.9	24.8 26.5 26.1 25.6 25.6	23.2 22.9 23.4 23.4 23.3	24.1 24.3 24.3 24.1 24.2	22.1 22.6 24.4 24.2 24.0	21.8 21.8 21.7 21.3 21.2	21.9 22.1 22.6 22.3 22.2
26 27 28 29 30 31	22.5 23.0 21.3 22.1 22.6	20.7 20.5 20.3 21.1 21.7	21.5 21.5 20.8 21.5 22.1	 	 	 	25.0 26.1 26.7 26.5 26.4 25.9	23.4 23.6 23.6 23.4 23.5 23.6	24.2 24.5 24.6 24.6 24.6 24.6	24.2 23.5 22.2 23.1 23.4	21.2 21.2 21.2 20.9 20.9	22.1 22.0 21.7 21.7 21.7
MONTH										27.3	17.1	23.1
YEAR												

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

D.177							10 SEPTEMI					
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			OVEMBE			ECEMBE			JANUARY	
1 2	7.2 7.3	7.0 7.0	7.1 7.1				11.3	11.0	11.2	12.7 12.6	12.4 12.3	12.6 12.4
3 4	7.6 7.4	7.3 6.8	7.5 7.0				11.3 11.3	11.0 11.0	11.2 11.2	12.4 12.0	12.0 11.6	12.2 11.8
5	6.9	6.6	6.8				11.1	11.0	11.1	11.8	11.5	11.7
6							11.3	11.0	11.2	12.2	11.7	12.0
7 8							11.3 11.4	11.2 11.1	11.2 11.3	12.6 12.6	12.2 12.4	12.4 12.5
9 10				0.5	9.7		11.3	11.2 11.0	11.3 11.2	12.7 12.9	12.4 12.5	12.6
				9.5	8.7	9.1	11.3					12.7
11 12				9.0 8.7	8.5 8.4	8.7 8.5	11.5 11.8	11.2 11.4	11.4 11.6	13.0 13.0	12.7 12.7	12.9 12.9
13 14				8.7 8.9	8.4 8.6	8.6 8.7	11.8 11.8	11.7 11.6	11.8 11.7	13.0 12.9	12.7 12.3	12.9 12.6
15	8.6	8.1	8.3				12.0	9.4	11.7	12.6	12.4	12.5
16	8.5	8.3	8.4				12.1	11.8	11.9	12.6	12.4	12.5
17 18	8.9 9.1	8.4 8.8	8.7 9.0				12.2 12.2	11.8 11.9	12.1 12.1	12.6 12.3	12.3 12.2	12.4 12.2
19 20	9.4 9.4	9.0 9.2	9.2 9.3				12.3 12.3	11.9 12.2	12.1 12.3	12.6 12.8	12.2 12.6	12.4 12.7
21	9.4	8.9	9.2	11.2	10.2	10.5	12.5	12.2	12.3	12.8	12.5	12.7
22				11.1	10.4	10.7	12.6	12.4	12.5	13.0	12.6	12.8
23 24				11.3	10.1	10.8	12.5 12.5	12.2 12.2	12.4 12.4	13.1 12.9	12.6 12.8	12.9 12.9
25							12.7	12.4	12.6	12.8	12.6	12.8
26 27	0.6	9 2	0.1				12.8	12.5 12.4	12.6	12.7	12.4	12.6 12.6
28	9.6 8.5	8.3 7.1	9.1 7.7				12.7 12.6	12.4	12.5 12.5	12.7 13.1	12.4 12.7	13.0
29 30	7.1 7.0	6.6 6.6	6.9 6.8				12.6 12.7	12.3 12.4	12.5 12.6	13.1 13.0	12.7 12.7	12.9 12.9
31	7.6	7.0	7.1				12.7	12.5	12.6	13.2	12.8	13.0
MONTH										13.2	11.5	12.6
		FEBRUARY	<i>I</i>		MARCH			APRIL			MAY	
1 2	13.3 13.1	12.8 12.8	13.0 13.0	12.4 12.2	11.9 11.8	12.2 12.0	11.0 10.9	10.7 10.6	10.8 10.7	9.6 9.4	9.2 9.2	9.4 9.3
3	13.0	12.7	12.9	12.2	11.8	12.0	10.7	10.4	10.5	9.3	8.9	9.1
4 5	13.2 13.0	12.9 12.7	13.0 12.9	12.2 11.9	11.8 10.8	12.0 11.3	14.6 12.3	10.4 11.7	12.4 12.0	9.1 9.0	8.8 8.7	9.0 8.9
6	12.8	12.6	12.7	11.6	10.9	11.4	12.3	8.3	11.0	10.4	8.8	9.6
7 8	13.0 13.0	12.7 12.8	12.9 12.9	11.6 11.7	11.2 11.4	11.4 11.6	11.5 15.5	10.1 9.2	10.8 11.1	10.6 10.6	10.1 9.8	10.3 10.3
9	13.0	12.7	12.9	11.8	11.5	11.6	11.3	9.3	10.1	10.6	10.0	10.3
10	13.0	12.5	12.8	12.0	11.6	11.8	12.0	9.5	10.3	10.7	9.6	10.3
11 12	12.9 12.9	12.6 12.6	12.8 12.8	11.8 11.8	11.5 11.5	11.7 11.6	11.0 13.1	9.4 9.2	10.1 10.6	10.3 9.9	9.8 9.4	10.1 9.7
13	13.0	12.5	12.7									
14 15		12.4		11.9	11.6	11.7	13.4	9.1	10.3	10.0	9.4	9.7
	12.6 12.7	12.4 12.4	12.4 12.5	11.9 11.7 11.6	11.6 11.4 11.3	11.7 11.6 11.5						9.7 9.6 9.5
16	12.7 12.8	12.4 12.6	12.4 12.5 12.7	11.7 11.6 11.3	11.4 11.3 10.8	11.6 11.5 11.1	13.4 14.0	9.1 6.5	10.3 10.5 10.5	10.0 9.7	9.4 9.3 9.2 8.4	9.6
17	12.7 12.8 12.8	12.4 12.6 12.6	12.4 12.5 12.7 12.7	11.7 11.6 11.3 11.3	11.4 11.3 10.8 11.0	11.6 11.5 11.1 11.2	13.4 14.0 10.9 11.0 11.1	9.1 6.5 10.1 10.5 10.6	10.3 10.5 10.5 10.8 10.9	10.0 9.7 9.7 9.8 9.6	9.4 9.3 9.2 8.4 8.8	9.6 9.5 9.6 9.3
17 18 19	12.7 12.8 12.8 12.7 12.6	12.4 12.6 12.6 12.3 12.4	12.4 12.5 12.7 12.7 12.5 12.5	11.7 11.6 11.3 11.3 11.3 11.4	11.4 11.3 10.8 11.0 11.2 11.1	11.6 11.5 11.1 11.2 11.2 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1	9.1 6.5 10.1 10.5 10.6 10.7 10.7	10.3 10.5 10.5 10.8 10.9 10.9 11.0	10.0 9.7 9.7 9.8 9.6 9.0 8.9	9.4 9.3 9.2 8.4 8.8 8.6 8.3	9.6 9.5 9.6 9.3 8.8 8.6
17 18 19 20	12.7 12.8 12.8 12.7 12.6 12.7	12.4 12.6 12.6 12.3 12.4 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5	11.7 11.6 11.3 11.3 11.3 11.4 11.4	11.4 11.3 10.8 11.0 11.2 11.1 10.7	11.6 11.5 11.1 11.2 11.2 11.3 11.1	13.4 14.0 10.9 11.0 11.1 11.1 11.1	9.1 6.5 10.1 10.5 10.6 10.7 10.7	10.3 10.5 10.5 10.8 10.9 10.9 11.0 10.9	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3	9.6 9.5 9.6 9.3 8.8 8.6 8.5
17 18 19 20 21	12.7 12.8 12.8 12.7 12.6 12.7	12.4 12.6 12.6 12.3 12.4 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5	11.7 11.6 11.3 11.3 11.3 11.4 11.4	11.4 11.3 10.8 11.0 11.2 11.1 10.7	11.6 11.5 11.1 11.2 11.2 11.3 11.1	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1	9.1 6.5 10.1 10.5 10.6 10.7 10.7	10.3 10.5 10.5 10.8 10.9 10.9 11.0 10.9	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3	9.6 9.5 9.6 9.3 8.8 8.6 8.5
17 18 19 20 21 22	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.6 12.6	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5	11.7 11.6 11.3 11.3 11.3 11.4 11.4 11.2 11.4 11.5	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1 11.1 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6	10.3 10.5 10.5 10.8 10.9 11.0 10.9 11.0 10.9	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 9.0	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9
17 18 19 20 21	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.7	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5	11.7 11.6 11.3 11.3 11.3 11.4 11.4 11.2	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6	10.3 10.5 10.5 10.8 10.9 10.9 11.0 10.9	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7
17 18 19 20 21 22 23 24 25	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.6 12.5 12.5 12.5	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3 12.3 12.3 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5 12.4 12.4 12.4	11.7 11.6 11.3 11.3 11.3 11.4 11.4 11.2 11.4 11.5 11.4 11.5	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0 11.0 11.1	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1 11.3 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6 10.6 10.5 10.5	10.3 10.5 10.5 10.8 10.9 11.0 10.9 11.0 10.8 10.8 10.8 10.7	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 9.0 8.9 8.9 8.9	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6 8.6 7.9	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9 8.8 8.8 8.5
17 18 19 20 21 22 23 24 25 26 27 28	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.6 12.5 12.5	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3 12.3 12.3 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5 12.4 12.4	11.7 11.6 11.3 11.3 11.4 11.4 11.2 11.4 11.5 11.4	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0 11.0 11.1 11.0 11.1	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1 11.3 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6 10.6 10.5	10.3 10.5 10.5 10.8 10.9 11.0 10.9 11.0 10.8 10.8 10.8 10.7	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 9.0 8.9 8.9	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6 8.6 7.9	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9 8.8 8.8
17 18 19 20 21 22 23 24 25 26 27 28 29	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.5 12.5 12.5 12.5 12.5 12.5	12.4 12.6 12.3 12.4 12.3 12.2 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5 12.4 12.4 12.4 12.4 12.4 12.4	11.7 11.6 11.3 11.3 11.4 11.4 11.2 11.4 11.5 11.4 11.5 11.4 11.5 11.4 11.5	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0 11.0 11.1 11.0 11.1 11.0	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1 11.3 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6 10.6 10.5 10.5 9.8 9.8	10.3 10.5 10.5 10.8 10.9 10.9 11.0 10.9 10.8 10.8 10.8 10.7 10.7 10.7 10.4 10	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 8.9 8.9 8.9 8.9	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6 8.6 7.9 7.8 8.5 8.5	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9 8.8 8.5 8.0
17 18 19 20 21 22 23 24 25 26 27 28	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.5 12.5 12.5 12.5 12.5	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3 12.3 12.3 12.3 12.3 12.3	12.4 12.5 12.7 12.7 12.5 12.5 12.5 12.5 12.5 12.4 12.4 12.4 12.4 12.4	11.7 11.6 11.3 11.3 11.3 11.4 11.4 11.2 11.4 11.5 11.4 11.5 11.4 11.5	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0 11.0 11.1 11.0 11.1	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.1 11.3 11.3	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6 10.6 10.5 10.5 9.8	10.3 10.5 10.5 10.8 10.9 10.9 11.0 10.9 10.8 10.8 10.8 10.7 10.7	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 9.0 8.9 8.9 8.4	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6 7.9 7.8 8.5	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9 8.8 8.8 8.5
17 18 19 20 21 22 23 24 25 26 27 28 29 30	12.7 12.8 12.8 12.7 12.6 12.7 12.6 12.5 12.5 12.5 12.5 12.5	12.4 12.6 12.6 12.3 12.4 12.3 12.2 12.3 12.3 12.3 12.3 12.3 12.3	12.4 12.5 12.7 12.5 12.5 12.5 12.5 12.5 12.4 12.4 12.4 12.4 12.4 12.4	11.7 11.6 11.3 11.3 11.3 11.4 11.4 11.5 11.4 11.5 11.4 11.5 11.4 11.5 11.4	11.4 11.3 10.8 11.0 11.2 11.1 10.7 10.7 11.2 11.0 11.0 11.1 11.0 11.1 11.0 10.8 10.8	11.6 11.5 11.1 11.2 11.2 11.3 11.1 11.3 11.3 11.2 11.2	13.4 14.0 10.9 11.0 11.1 11.1 11.1 11.1 11.1 11	9.1 6.5 10.1 10.5 10.6 10.7 10.6 10.6 10.6 10.5 10.5 9.8 9.8 9.6 9.5	10.3 10.5 10.5 10.8 10.9 11.0 10.9 11.0 10.8 10.8 10.8 10.7 10.7 10.7 10.4 10.9	10.0 9.7 9.7 9.8 9.6 9.0 8.9 8.7 9.1 9.0 9.0 8.9 8.9 8.4 8.8 8.7	9.4 9.3 9.2 8.4 8.8 8.6 8.3 8.3 8.2 8.7 8.6 8.6 7.9 7.8 8.5 8.4	9.6 9.5 9.6 9.3 8.8 8.6 8.5 8.7 8.9 8.8 8.5 8.0 8.6 8.6 8.6

03400800 MARTINS FORK NEAR SMITH, KY-Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
		JUNE			JULY			AUGUST		SI	EPTEMBE	ER
1 2 3 4 5	8.8 9.4 9.5 9.5 9.5	8.4 8.7 9.0 9.0 9.0	8.6 9.1 9.3 9.3 9.3	8.3 8.6 8.8 8.6 8.8	8.0 7.9 8.2 7.9 7.9	8.2 8.3 8.4 8.3 8.2	7.7 7.5 6.8	6.7 6.4 6.2	7.2 6.9 6.5	6.6 6.2 6.0 6.2 6.6	6.1 5.7 5.6 5.5 5.8	6.4 6.0 5.8 5.8 6.2
6 7 8 9 10	9.5 9.3 9.3 9.3 8.9	8.9 8.8 8.9 8.6 8.5	9.3 9.2 9.1 8.9 8.7	 	 	 	7.1 7.5 7.4 7.6 7.3	6.1 6.5 6.6 6.8 6.6	6.7 7.1 7.0 7.2 7.0	7.0 7.0 6.7 7.0 7.2	6.3 6.5 4.8 3.5 6.9	6.6 6.7 6.4 6.2 7.1
11 12 13 14 15	8.8 	8.2 	8.6 	 	 	 	7.0 7.1 7.5 7.0 7.2	6.6 6.6 6.7 6.7	6.9 6.9 7.0 6.8 6.9	7.3 7.3 7.4 7.4 7.7	7.0 7.1 7.0 6.7 6.9	7.2 7.2 7.2 7.0 7.2
16 17 18 19 20	9.1 8.1 9.1 9.3 9.3	7.8 7.7 8.5 8.6 8.6	8.6 8.0 8.9 9.0 8.8	 	 	 	7.5 7.7 7.5 7.6 7.5	6.9 7.0 6.9 7.0 6.8	7.1 7.3 7.2 7.2 7.2	7.7 7.8 8.1 8.1 8.0	7.1 6.5 5.8 7.8 7.8	7.4 7.3 7.0 8.0 7.9
21 22 23 24 25	8.9 9.1 9.4 9.5 9.3	7.8 7.8 8.2 8.5 8.5	8.5 8.4 8.8 9.0 8.8	7.5 7.6 7.9 8.3 8.4	6.7 6.8 7.0 7.3 7.6	7.2 7.1 7.5 7.8 8.0	7.1 	6.3	6.8	7.8 7.7 7.4 7.1 7.2	7.6 7.3 6.8 6.8 6.9	7.7 7.5 7.1 7.0 7.1
26 27 28 29 30 31	9.2 9.3 9.2 8.8 8.4	8.7 8.7 8.7 8.2 8.0	8.9 9.0 8.9 8.5 8.3	8.7 8.7 	7.8 7.8 	8.1 8.2 	7.2 7.2 7.4 7.1 7.1	6.8 6.6 6.6 6.6 6.4	7.0 6.9 6.9 6.8 6.7	7.3 7.5 7.5 7.9 7.9	6.9 7.0 7.0 7.3 7.3	7.1 7.2 7.2 7.5 7.6
MONTH										8.1	3.5	7.0
YEAR												

THIS PAGE IS INTENTIONALLY BLANK.

03401000 CUMBERLAND RIVER NEAR HARLAN, KY

LOCATION.--Lat 36°50'48", long 83°21'21", Harlan County, Hydrologic Unit 05130101, on right downstream side of bridge on State Highway 840 at Loyall, 1.6 mi upstream from Fourmile Branch, 1.8 mi west of Harlan, 2.3 mi downstream from confluence of Poor and Clover Forks, and at mile 691.9.

DRAINAGE AREA.--374 mi².

PERIOD OF RECORD.--March 1940 to current year.

REVISED RECORDS.--WSP 953: 1940(M). WSP 1173: 1947(M).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 1,139.10 ft above NGVD of 1929. Prior to Aug. 28, 1984, datum of gage 1.00 ft higher. Prior to Nov. 4, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow slightly regulated by Martins Fork Dam (station 03400798) beginning January 1979.

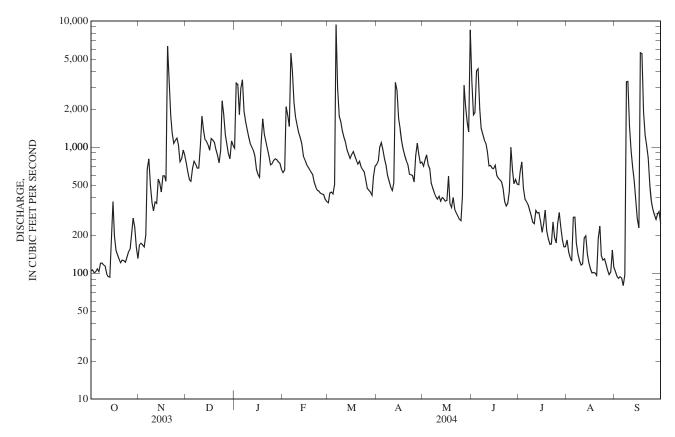
COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,500 ft³/s, Mar. 6, May 31, gage height, 15.04 ft; minimum discharge, 76 ft³/s, Sept. 6, 7, gage height, 1.34 ft.

	DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES											
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	167	748	981	628	362	728	708	3,280	503	183	103
2	106	173	632	3,230	658	432	776	786	1,800	643	147	94
3	101	168	550	3,140	2,090	439	999	868	1,870	764	134	91
4	102	162	536	1,810	1,800	424	1,080	725	4,010	475	125	94
5	108	201	677	2,930	1,460	507	951	671	4,170	387	278	92
6	103	671	774	3,420	5,570	9,380	808	518	2,020	371	278	80
7	120	807	734	1,930	4,040	2,920	712	470	1,410	351	173	98
8	120	496	681	1,590	2,280	1,760	597	431	1,270	317	142	3,300
9	116	363	683	1,390	1,730	1,580	534	403	1,140	285	125	3,320
10	114	312	1,020	1,210	1,480	1,350	482	387	1,070	254	116	1,470
11	99	367	1,760	1,070	1,310	1,200	454	408	922	247	118	942
12	94	358	1,390	1,000	1,190	1,090	521	372	710	315	189	688
13	93	556	1,150	946	1,060	948	3,260	397	716	300	197	551
14	175	521	1,110	846	850	881	2,820	390	682	303	141	397
15	369	441	1,040	661	797	811	1,700	373	676	258	121	268
16	197	592	946	605	735	873	1,420	378	719	211	108	229
17	151	592	1,170	577	699	920	1,120	587	595	249	101	5,600
18	139	537	e1,140	1,080	666	853	957	357	567	317	101	5,510
19	129	6,350	e1,090	1,680	635	787	853	333	550	216	100	1,890
20	121	3,710	e958	1,260	607	734	785	399	534	187	96	1,240
21	127	1,770	e866	1,100	524	770	728	321	470	169	191	1,040
22	126	1,290	e750	969	481	701	610	303	370	170	237	824
23	122	1,070	945	849	456	666	603	285	341	255	138	507
24	134	1,130	2,330	722	447	637	596	268	356	192	127	372
25	147	1,180	1,820	740	431	549	528	261	444	174	130	321
26 27 28 29 30 31	155 208 274 231 160 131	1,040 765 807 947 867	1,260 1,050 889 808 1,120 1,030	784 806 796 760 745 668	424 422 387 371	474 455 440 416 585 708	859 1,080 878 746 762	408 3,100 2,080 1,570 1,320 8,510	996 652 511 554 508	247 303 230 183 162 162	117 106 97 102 152 112	290 268 295 307 248
TOTAL	4,476	28,410	31,657	40,295	34,228	34,652	28,947	28,387	33,913	9,200	4,482	30,529
MEAN	144	947	1,021	1,300	1,180	1,118	965	916	1,130	297	145	1,018
MAX	369	6,350	2,330	3,420	5,570	9,380	3,260	8,510	4,170	764	278	5,600
MIN	93	162	536	577	371	362	454	261	341	162	96	80
CFSM	0.39	2.53	2.73	3.48	3.16	2.99	2.58	2.45	3.02	0.79	0.39	2.72
IN.	0.45	2.83	3.15	4.01	3.40	3.45	2.88	2.82	3.37	0.92	0.45	3.04
STATIST	TICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1980 - 2004.	BY WATE	R YEAR (W	YY)			
MEAN 184 483 829 1,000 1,298 1,286 1,057 840 503 244 215 195 MAX 1,129 1,532 2,704 1,783 3,259 2,684 2,986 2,003 1,789 453 534 1,018 (WY) (1990) (1997) (1992) (1994) (1994) (1998) (1984) (1989) (1991) (1996) (2004) MIN 30.0 51.1 88.9 63.5 554 334 211 330 96.1 57.3 52.7 38.3 (WY) (1998) (1998) (1988) (1988) (1988) (1988) (1986) (1982) (1988) (1988) (1999)												

03401000 CUMBERLAND RIVER NEAR HARLAN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEARS	S 1980 - 2004
ANNUAL TOTAL	326,762		309,176		674	
ANNUAL MEAN HIGHEST ANNUAL MEAN	895		845		674 1,130	1994
LOWEST ANNUAL MEAN	16,000	E-1-16	0.200	Man C	333	1988
HIGHEST DAILY MEAN LOWEST DAILY MEAN	16,000 93	Feb 16 Oct 13	9,380 80	Mar 6 Sep 6	21,300 16	Mar 18, 2002 Oct 9, 1997
ANNUAL SEVEN-DAY MINIMUM	104	Sep 30	93	Sep 1	17	Oct 4, 1997
MAXIMUM PEAK FLOW MAXIMUM PEAK STAGE			15,500 15.04	Mar 6 Mar 6	64,500 30.20	Apr 5, 1977 Apr 5, 1977
INSTANTANEOUS LOW FLOW				Widi 0	3.0	Oct 9, 1953
ANNUAL RUNOFF (CFSM) ANNUAL RUNOFF (INCHES)	2.39 32.50		2.26 30.75		1.80 24.50	
10 PERCENT EXCEEDS	1,760		1,740		1,500	
50 PERCENT EXCEEDS	536		586		370	
90 PERCENT EXCEEDS	137		125		69	



03402000 YELLOW CREEK NEAR MIDDLESBORO, KY

LOCATION.--Lat 36°40'05", long 83°41'19", Bell County, Hydrologic Unit 05130101, on left bank 35 ft downstream from bridge on U.S. Highway 25E, 1.2 mi downstream from Browne Branch, 4.6 mi north of Middlesboro, and at mile 11.4.

DRAINAGE AREA.--60.6 mi². See WRD-KY-98-1 for history of changes.

PERIOD OF RECORD .-- August 1940 to current year.

Date

REVISED RECORDS.--WSP 953: 1941(M). WSP 973: 1942(M). WSP 1436: Drainage area. WRD KY 1969: 1965(M), 1967(M).

GAGE.--Water-stage recorder with telemetry and crest-stage gages. Datum of gage is 1,097.99 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Sept. 30, 1973.

Date

Time

Gage height

(ft)

Discharge

 (ft^3/s)

REMARKS.--Records good. Occasional regulation from Fern Lake.

Time

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District and Kentucky Natural Resources and Environmental Protection Cabinet.

EXTREMES FOR CURRENT YEAR .-- Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Gage height

(ft)

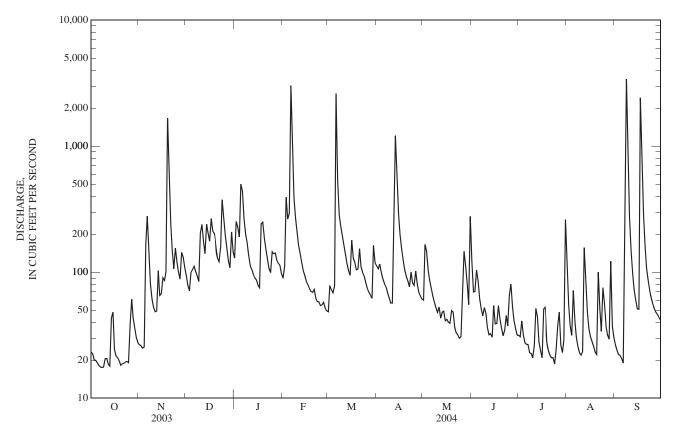
Discharge

 (ft^3/s)

		Dute	Time (10 75)	(11)		D	11111	(11 /5,		(1)	
		Feb 6 Mar 6		5,490 5,100	*17.17 16.48		Sep Sep	083 017 160		0 16	5.50 5.70	
				D WATE	OISCHARGE R YEAR OC' DAI	, CUBIC FE ГОВЕR 2003 LY MEAN V	3 TO SEPTE	COND MBER 2004	4			
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	23 23 20 20 19	27 26 25 25 167	95 78 71 99 105	129 252 227 191 498	90 112 395 264 293	49 78 73 69 78	113 107 116 99 88	60 166 146 103 85	121 70 70 104 85	32 31 41 31 28	106 55 38 32 72	27 24 22 22 21
6 7 8 9 10	18 18 18 18 21	278 146 81 61 53	111 101 94 84 205	440 265 200 173 136	3,020 937 391 268 206	2,610 536 284 230 196	81 76 69 63 57	75 65 58 52 48	61 52 45 52 47	27 27 23 23 21	41 30 26 23 22	19 75 3,400 955 278
11 12 13 14 15	21 19 18 43 48	49 49 103 65 68	239 178 140 240 202	113 105 97 90 87	163 140 118 102 94	167 140 116 103 94	57 174 1,210 577 286	53 43 48 49 41	36 32 32 30 54	26 52 44 28 24	23 157 83 48 36	148 97 73 60 51
16 17 18 19 20	24 22 21 20 18	90 86 101 1,670 588	176 266 212 202 159	78 75 242 249 187	84 79 74 70 69	179 129 121 104 106	199 153 124 103 92	42 40 39 49 48	39 39 54 43 36	21 51 53 28 24	31 28 26 23 22	51 2,410 931 285 157
21 22 23 24 25	19 19 19 20 19	244 150 106 155 120	129 122 160 375 269	151 127 107 99 145	73 62 58 58 54	153 111 100 93 82	85 77 101 82 79	36 33 32 30 31	31 35 45 37 65	22 21 21 19 25	100 51 34 75 56	107 86 71 62 56
26 27 28 29 30 31	38 61 43 36 30 28	101 88 144 131 110	195 152 124 109 208 144	140 142 124 117 114 97	55 58 52 49	75 70 66 62 163 119	102 80 70 65 61	71 146 112 81 55 277	81 53 42 36 32	37 48 26 23 29 261	37 32 29 122 37 31	51 48 46 44 41
TOTAL MEAN MAX MIN CFSM IN.	784 25.3 61 18 0.42 0.48	5,107 170 1,670 25 2.8 3.1		5,197 168 498 75 2.77 3.19	7,488 258 3,020 49 4.26 4.60	6,556 211 2,610 49 3.49 4.02	4,646 155 1,210 57 2.56 2.85	2,214 71.4 277 30 1.18 1.36	1,559 52.0 121 30 0.86 0.96	1,167 37.6 261 19 0.62 0.72	1,526 49.2 157 22 0.81 0.94	9,718 324 3,400 19 5.35 5.97
STATIST	ICS OF N	MONTHLY	MEAN DAT	A FOR WA	TER YEARS	1941 - 2004	, BY WATE	R YEAR (V	VY)			
MEAN MAX (WY) MIN (WY)	24.1 155 (1978) 3.05 (1954)	77.3 416 (1974 5.3 (1941	609 (1991) 5 7.34	14.4	233 677 (1991) 14.9 (1941)	250 610 (1975) 47.6 (1988)	182 569 (1998) 34.9 (1986)	116 539 (1984) 17.2 (1941)	66.4 298 (1989) 13.8 (1988)	51.3 345 (1967) 4.26 (1944)	36.1 197 (1942) 6.00 (1951)	24.6 324 (2004) 3.02 (1954)

03402000 YELLOW CREEK NEAR MIDDLESBORO, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEARS	S 1941 - 2004
ANNUAL TOTAL	58,969		51,006			
ANNUAL MEAN	162		139		118	
HIGHEST ANNUAL MEAN					219	1991
LOWEST ANNUAL MEAN					49.5	1941
HIGHEST DAILY MEAN	4,200	Feb 16	3,400	Sep 8	7,000	Apr 4, 1977
LOWEST DAILY MEAN	16	Sep 21	18	Oct 6	1.2	Oct 7, 1952
ANNUAL SEVEN-DAY MINIMUM	18	Sep 15	19	Oct 3	1.6	Sep 17, 1955
MAXIMUM PEAK FLOW		•	5,490	Feb 6	11,700	Apr 4, 1977
MAXIMUM PEAK STAGE			17.17	Feb 6	23.35	Apr 4, 1977
INSTANTANEOUS LOW FLOW			17	Jul 25	0.00	Sep 26, 1952
ANNUAL RUNOFF (CFSM)	2.67		2.30		1.95	•
ANNUAL RUNOFF (INCHES)	36.20		31.31		26.51	
10 PERCENT EXCEEDS	267		233		250	
50 PERCENT EXCEEDS	77		72		45	
90 PERCENT EXCEEDS	23		23		7.8	



03402900 CUMBERLAND RIVER AT PINE STREET BRIDGE AT PINEVILLE, KY

LOCATION.--Lat 36°45'47", long 83°41'31", Bell County, Hydrologic Unit 05130101, on pier near right bank on Pine St. bridge at Pineville, 0.2 mi downstream from Straight Creek, and at mile 654.4.

DRAINAGE AREA.--770 mi².

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 970.00 ft above sea level, Sandy Hook datum.

 $REMARKS. -- Records \ good \ except \ those \ estimated, which are \ poor. \ Flow \ slightly \ regulated \ by \ Martins \ Fork \ Dam \ (station \ 03400798) \ beginning \ January \ 1979.$

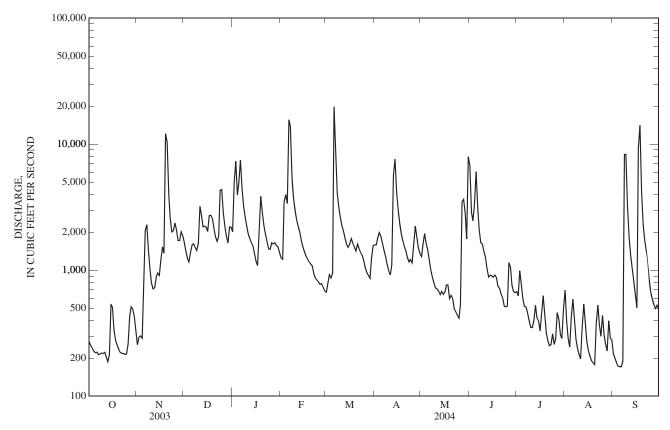
COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,900 ft³/s, Mar. 6, gage height, 33.13 ft; minimum discharge, 155 ft³/s, Sept. 7, gage height, 6.45 ft.

DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	257	1,660	2,010	1,250	669	1,590	1,280	6,750	674	695	218
2	254	295	1,420	4,960	1,220	774	1,590	1,600	2,880	625	392	199
3	241	301	1,240	7,300	3,480	924	1,800	1,960	2,460	990	289	184
4	229	289	1,160	3,970	3,980	868	1,990	1,620	3,390	755	246	173
5	222	682	1,390	4,930	3,380	948	1,850	1,440	6,040	584	425	172
6	224	2,050	1,590	7,450	15,600	19,700	1,620	1,220	3,150	516	590	172
7	214	2,290	1,620	4,470	13,900	10,300	1,430	1,000	2,110	510	410	189
8	215	1,430	1,520	3,200	5,540	4,090	1,290	875	1,660	456	285	8,300
9	220	1,010	1,430	2,660	3,710	3,150	1,110	789	1,610	394	238	8,320
10	218	790	1,630	2,250	2,970	2,640	986	721	1,400	352	213	3,250
11	223	709	3,210	1,930	2,520	2,260	916	712	1,270	351	198	1,840
12	206	724	2,750	1,770	2,230	2,040	1,100	683	1,040	397	356	1,310
13	188	884	2,210	1,670	2,000	1,790	5,590	640	882	527	537	1,040
14	212	949	2,230	1,560	1,710	1,620	7,620	680	911	422	367	816
15	539	909	2,190	1,350	1,540	1,520	4,190	643	904	397	271	638
16	510	1,220	2,030	1,170	1,400	1,610	3,090	670	880	331	229	504
17	333	1,530	2,710	1,090	1,300	1,780	2,390	765	916	478	206	9,270
18	276	1,360	2,730	2,100	1,230	1,650	1,970	762	875	628	190	14,100
19	254	12,100	2,570	3,860	1,160	1,530	1,710	594	748	431	184	4,240
20	237	10,400	2,170	2,860	1,120	1,420	1,540	633	719	316	178	2,320
21	222	4,020	1,840	2,250	1,080	1,610	1,420	596	649	273	380	1,760
22	219	2,590	1,700	1,940	937	1,490	1,260	495	604	251	530	1,440
23	218	2,010	1,850	1,690	864	1,390	1,160	469	517	256	372	1,090
24	215	2,060	4,290	1,480	836	1,310	1,210	439	512	313	299	822
25	217	2,370	4,350	1,470	807	1,190	1,140	417	518	258	438	662
26 27 28 29 30 31	260 434 513 491 427 323	2,100 1,720 1,720 2,020 1,890	2,860 2,210 1,870 1,640 2,200 2,190	1,650 1,610 1,650 1,570 1,540 1,380	773 784 737 686 	1,050 957 913 864 1,240 1,560	1,610 2,240 1,830 1,500 1,360	534 3,470 3,630 2,820 1,770 7,930	1,150 1,050 761 674 663	285 461 409 308 287 493	306 259 228 396 288 280	584 529 497 528 492
TOTAL	8,826	62,679	66,460	80,790	78,744	74,857	60,102	41,857	47,693	13,728	10,275	65,659
MEAN	285	2,089	2,144	2,606	2,715	2,415	2,003	1,350	1,590	443	331	2,189
MAX	539	12,100	4,350	7,450	15,600	19,700	7,620	7,930	6,750	990	695	14,100
MIN	188	257	1,160	1,090	686	669	916	417	512	251	178	172
CFSM	0.37	2.71	2.78	3.38	3.53	3.14	2.60	1.75	2.06	0.58	0.43	2.84
IN.	0.43	3.03	3.21	3.90	3.80	3.62	2.90	2.02	2.30	0.66	0.50	3.17
STATIST	TICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1992 - 2004	BY WATE	R YEAR (W	YY)			
MEAN	218	803	1,773	2,197	2,592	2,982	2,427	1,519	960	413	439	383
MAX	670	3,009	5,204	4,201	6,720	5,367	5,977	3,091	2,369	726	923	2,189
(WY)	(1997)	(1997)	(1992)	(1994)	(1994)	(1994)	(1998)	(1995)	(2003)	(2003)	(1996)	(2004)
MIN	87.4	104	342	640	964	1,285	817	796	245	176	107	59.7
(WY)	(1999)	(1999)	(2000)	(2000)	(2002)	(2003)	(1995)	(1993)	(2002)	(1993)	(1995)	(1999)

03402900 CUMBERLAND RIVER AT PINE STREET BRIDGE AT PINEVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEARS	S 1992 - 2004
ANNUAL TOTAL	690,801		611,670			
ANNUAL MEAN	1,893		1,671		1,386	
HIGHEST ANNUAL MEAN					2,241	1994
LOWEST ANNUAL MEAN					792	2000
HIGHEST DAILY MEAN	34,600	Feb 16	19,700	Mar 6	41,500	Mar 18, 2002
LOWEST DAILY MEAN	188	Oct 13	172	Sep 5	48	Sep 20, 1999
ANNUAL SEVEN-DAY MINIMUM	212	Oct 8	187	Sep 1	49	Sep 16, 1999
MAXIMUM PEAK FLOW			24,900	Mar 6	46,700	Mar 18, 2002
MAXIMUM PEAK STAGE			33.13	Mar 6	47.32	Mar 18, 2002
INSTANTANEOUS LOW FLOW			155	Sep 7	47	Sep 20, 1999
ANNUAL RUNOFF (CFSM)	2.46		2.17	•	1.80	•
ANNUAL RUNOFF (INCHES)	33.37		29.55		24.46	
10 PERCENT EXCEEDS	3,390		3,290		2,970	
50 PERCENT EXCEEDS	1,030		1,100		680	
90 PERCENT EXCEEDS	270		253		123	



03403500 CUMBERLAND RIVER AT BARBOURVILLE, KY

LOCATION.—Lat 36°51'45", long 83°53'31", Knox County, Hydrologic Unit 05130101, on right bank 100 ft upstream from bridge on State Highway 11, at Barbourville, 0.4 mi upstream from Richland Creek, and at mile 635.2.

DRAINAGE AREA.-960 mi².

PERIOD OF RECORD.--October 1922 to September 1931, April 1948 to July 2, 1993, October 1995 to current year. Monthly discharge only April to June 1948, published in WSP 1306.

REVISED RECORDS.--WSP 603: 1923-24. WSP 1336: 1923(M). 1927, 1929, 1950-51. WSP 1436: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 942.97 ft above NGVD of 1929. See WRD KY-90-1 for history of changes prior to Oct. 17, 1975.

REMARKS.--Records good except for those estimated, which are poor. Flow slightly regulated by Martins Fork Dam (station 03400798) beginning January 1979. Diversions by City of Barbourville for municipal water supply.

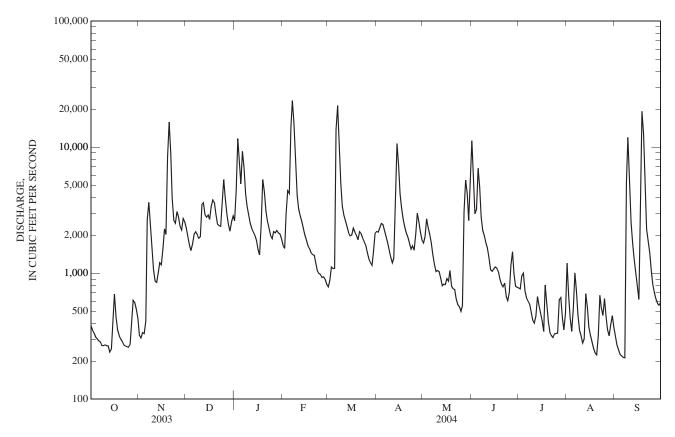
COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	322	2,290	2,600	1,660	779	2,140	1,740	11,200	764	1,200	319
2 3	352	307	1,950	4,510	1,570	873	2,120	1,930	5,000	749	659	269
3 4	333 311	338 331	1,670 1,510	11,700 7,760	2,980 4,530	1,120 1,090	2,280 2,480	2,700 2,290	2,960 3,210	950 999	446 346	245 227
5	301	417	1,700	5,100	4,300	1,090	2,430	2,290	6,790	721	525	221
			,		,	*						
6	290	2,660	2,030	9,270	14,400	13,800	2,180	1,750	4,780	641	1,000	215
7	284	3,650	2,130	6,850	23,400	21,300	1,950	1,400	2,800	602	736	213
8 9	266 267	2,300 1,480	2,040 1,890	4,250 3,390	15,400 7,980	11,600 5,110	1,760 1,530	1,180 1,030	2,170 1,980	570 486	464 351	5,290 11,900
10	270	1,480	1,950	2,900	4,180	3,420	1,340	1,050	1,730	426	317	6,130
11 12	266 265	869 846	3,510 3,620	2,480 2,260	3,250 2,860	2,880 2,600	1,210 1,320	1,030 914	1,580	402 455	279 301	2,530 1,720
13	237	1,010	2,920	2,200	2,580	2,340	4,550	796	1,320 1,070	653	687	1,720
14	250	1,210	2,780	1,990	2,270	2,110	10,700	818	1,030	560	535	1,030
15	442	1,170	2,880	1,810	2,010	1,980	7,170	811	1,080	484	376	790
16	683	1,560	2,670	1,530	1,830	2,000	4,300	906	1,120	421	321	618
17	450	2,240	3,400	1,390	1,650	2,280	3,270	867	1,120	345	285	6,320
18	354	2,020	3,820	2,400	1,560	2,130	2,660	1,050	1,030	806	252	19,300
19	320	8,310	3,620	5,540	1,450	2,010	2,320	792	902	592	234	12,800
20	301	15,800	e2,950	4,440	1,400	1,840	2,090	752	820	412	225	4,710
21	288	8,930	2,460	3,090	1,390	2,140	1,930	740	779	339	317	2,240
22	271	3,910	e2,380	2,600	1,190	2,070	1,930 1,730	623	836	339 321	667	1,810
23	264	2,640	2,350	2,270	1,050	1,910	1,550	563	651	308	532	1,440
24	261	2,500	3,660	2,000	995	1,790	1,650	543	606	330	462	1,030
25	258	3,090	5,540	1,880	975	1,670	1,520	498	704	333	628	813
26	273	2,810	3,900	2,140	924	1,470	2,030	552	1,160	335	450	694
27	404	2,370	2,930	2,080	937 894	1,300	2,980	3,070	1,480	613	355	620
28 29	609 585	2,200 2,720	2,450 2,150	2,180 2,080	894 816	1,220 1,160	2,600 2,140	5,470 4,290	995 787	638 437	318 392	573 557
30	516	2,720	2,150	2,050		1,480	1,840	2,610	772	355	461	586
31	436		2,850	1,880		2,070		5,020		481	374	
TOTAL	10,788	81 660	84,550	108,550	110,431	100,632	79,770	49,805	62,442	16,528	14,495	86,510
MEAN	348	81,660 2,722	2,727	3,502	3,808	3,246	2,659	1,607	2,081	533	468	2,884
MAX	683	15,800	5,540	11,700	23,400	21,300	10,700	5,470	11,200	999	1,200	19,300
MIN	237	307	1,510	1,390	816	779	1.210	498	606	308	225	213
CFSM	0.36	2.84	2.84	3.65	3.97	3.38	2.77	1.67	2.17	0.56	0.49	3.00
IN.	0.42	3.16	3.28	4.21	4.28	3.90	3.09	1.93	2.42	0.64	0.56	3.35
STATIST	TICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1980 - 2004,	BY WATE	R YEAR (W	/Y)			
MEAN	426	1,224	2,108	2,554 5,582	3,211	3,277	2,771	2,010	1,286	547	470	518
MAX	3,058	3,816	5,837	5,582	7,612	6,208	8,578	6,782	5,524	1,071	1,089	2,884
(WY)	(1990)	(1997)	(1992)	(1982)	(2003)	(1997)	(1998)	(1984)	(1989)	(1989)	(2003)	(2004)
MIN	87.9	117	193	135	1,220	791	549	635	201	141	124	60.5
(WY)	(1981)	(1999)	(1981)	(1981)	(1999)	(1988)	(1986)	(1986)	(1988)	(1988)	(1999)	(1999)

03403500 CUMBERLAND RIVER AT BARBOURVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEAR	S 1980 - 2004
ANNUAL TOTAL	917,038		806,161			
ANNUAL MEAN	2,512		2,203		1,692	
HIGHEST ANNUAL MEAN					2,417	1989
LOWEST ANNUAL MEAN					824	1988
HIGHEST DAILY MEAN	33,900	Feb 17	23,400	Feb 7	41,600	May 8, 1984
LOWEST DAILY MEAN	233	Sep 21	213	Sep 7	50	Sep 19, 1999
ANNUAL SEVEN-DAY MINIMUM	260	Oct 8	244	Sep 1	53	Sep 16, 1999
MAXIMUM PEAK FLOW			24,600	Feb 7	56,100	Apr 6, 1977
MAXIMUM PEAK STAGE			29.78	Feb 7	45.91	Apr 6, 1977
INSTANTANEOUS LOW FLOW			202	Sep 7	0.20	Oct 5, 1930
ANNUAL RUNOFF (CFSM)	2.62		2.29	•	1.76	
ANNUAL RUNOFF (INCHES)	35.54		31.24		23.94	
10 PERCENT EXCEEDS	4,330		4,460		3,680	
50 PERCENT EXCEEDS	1,330		1,440		844	
90 PERCENT EXCEEDS	324		320		128	



03403910 CLEAR FORK AT SAXTON, KY

Discharge (ft³/s)

Date

Time

Gage height

(ft)

LOCATION.--Lat 36°38'02",long 84°06'42", Whitley County, Hydrologic Unit 05130101, on State Highway 1804 bridge, at Saxton, 100 ft upstream from CSX Railroad bridge, 150 ft downstream from unnamed stream. 7.2 mi southeast of Williamsburg, and at mile 12.2.

DRAINAGE AREA.--331 mi².

PERIOD OF RECORD.--July 1968 to September 1990, October 1995 to September 30, 2004 (discontinued).

Discharge

 (ft^3/s)

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 921.83 ft above NGVD of 1929.

REMARKS .-- Records good.

Date

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

Time

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

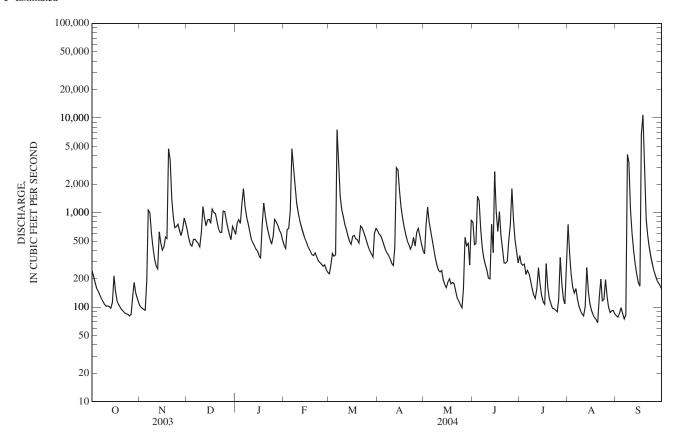
Gage height

(ft)

		Nov 19 Feb 6 Mar 6	1800 1600 1600	6,270 5,800 9,810	20.12 19.27 25.86		Sep Sep	0 8 1930 0 18 0300			.90 .05	
					ISCHARGE, YEAR OCT DAII		TO SEPTE		ı			
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	241 210 178 158 147	102 97 95 93 193	647 528 457 441 520	587 773 840 768 1,220	452 418 656 683 1,060	225 275 369 345 359	642 589 568 512 452	365 721 1,140 791 617	791 457 468 1,480 1,330	e350 288 277 285 220	747 360 224 161 141	81 78 86 98 85
6 7 8 9 10	134 123 115 107 102	1,060 998 605 422 328	519 493 471 435 611	1,790 1,170 896 771 634	4,720 3,020 1,980 1,290 1,010	7,540 3,250 1,470 1,060 910	403 373 353 325 290	496 399 325 275 246	665 434 329 280 244	245 227 189 155 134	157 123 102 91 85	75 83 4,120 3,400 1,080
11 12 13 14 15	103 101 97 111 214	275 254 623 482 401	1,160 897 722 833 846	524 481 450 411 390	834 718 627 551 506	745 653 558 498 462	275 429 2,970 2,810 1,660	236 244 193 174 161	203 199 750 376 2,720	124 157 261 181 134	81 101 261 144 109	595 392 290 223 182
16 17 18 19 20	149 117 106 99 94	433 552 533 4,720 e3,600	767 1,090 1,000 972 814	351 326 732 1,260 917	453 414 387 358 351	561 573 527 516 477	1,140 869 696 579 505	183 198 176 182 176	1,010 632 1,020 583 409	114 107 289 162 122	93 83 77 74 68	166 6,740 10,800 2,390 861
21 22 23 24 25	90 86 84 84 81	1,410 921 691 706 748	677 618 616 1,040 1,020	727 613 519 462 563	373 338 308 296 284	720 694 624 556 491	458 e408 e450 546 442	147 125 116 106 99	295 290 304 500 742	108 97 96 93 89	127 197 117 120 195	583 435 345 287 243
26 27 28 29 30 31	84 131 182 140 123 109	650 568 673 871 766	826 684 588 516 715 654	845 797 735 650 611 515	270 279 252 234 	436 395 366 339 604 678	617 677 567 472 402	154 547 445 471 278 826	1,780 827 524 385 293	119 335 177 121 108 320	128 99 87 91 92 85	215 193 179 169 155
TOTAL MEAN MAX MIN CFSM IN.	3,900 126 241 81 0.38 0.44				23,122 797 4,720 234 2.41 2.60	27,276 880 7,540 225 2.66 3.07	21,479 716 2,970 275 2.16 2.41	10,612 342 1,140 99 1.03 1.19	20,320 677 2,720 199 2.05 2.28	5,684 183 350 89 0.55 0.64	4,620 149 747 68 0.45 0.52	34,629 1,154 10,800 75 3.49 3.89
				TA FOR WAT				`	· ·			
MEAN MAX (WY) MIN (WY)	160 1,472 (1990) 6.07 (2001)	15.0	53.7	41.0	929 2,078 (2003) 327 (2002)	999 3,356 (1975) 300 (1988)	846 2,193 (1998) 147 (1986)	643 2,087 (1984) 122 (1985)	406 1,923 (1989) 31.1 (1988)	202 659 (1971) 44.0 (1970)	183 557 (1985) 34.3 (1997)	169 1,154 (2004) 16.0 (2000)

03403910 CLEAR FORK AT SAXTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	ENDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEAR	S 1968 - 2004
ANNUAL TOTAL	275,991		220,017			
ANNUAL MEAN	756		601		538	
HIGHEST ANNUAL MEAN					894	1973
LOWEST ANNUAL MEAN					233	1988
HIGHEST DAILY MEAN	11,600	Feb 16	10,800	Sep 18	19,400	May 28, 1973
LOWEST DAILY MEAN	78	Aug 28	68	Aug 20	3.3	Aug 19, 1988
ANNUAL SEVEN-DAY MINIMUM	86	Oct 20	84	Sep 1	4.5	Oct 11, 2000
MAXIMUM PEAK FLOW			12,400	Sep 18	22,800	Apr 5, 1977
MAXIMUM PEAK STAGE			30.05	Sep 18	41.51	Apr 5, 1977
ANNUAL RUNOFF (CFSM)	2.28		1.82	•	1.63	•
ANNUAL RUNOFF (INCHES)	31.02		24.73		22.09	
10 PERCENT EXCEEDS	1,350		1,020		1,140	
50 PERCENT EXCEEDS	433		402		252	
90 PERCENT EXCEEDS	117		99		34	



03404000 CUMBERLAND RIVER AT WILLIAMSBURG, KY

LOCATION.--Lat 36°44'36", long 84°09'22", Whitley County, Hydrologic Unit 05130101, on right bank 100 ft upstream from bridge on State Highway 296E at Williamsburg, 2.0 mi downstream from Clear Fork, and at mile 590.4.

DRAINAGE AREA.--1,607 mi².

PERIOD OF RECORD.--October 1950 to current year. Gage-height records collected in this vicinity since 1908 are published in reports of National Weather Service.

REVISED RECORDS.--WSP 1436: Drainage area.

GAGE.--Water-stage recorder with telemetry and crest-stage gages. Datum of gage is 891.52 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to June 26, 1990.

REMARKS.--Records good except for those estimated, which are poor. Flow slightly regulated by Martins Fork Dam (station 03400798) beginning January 1979.

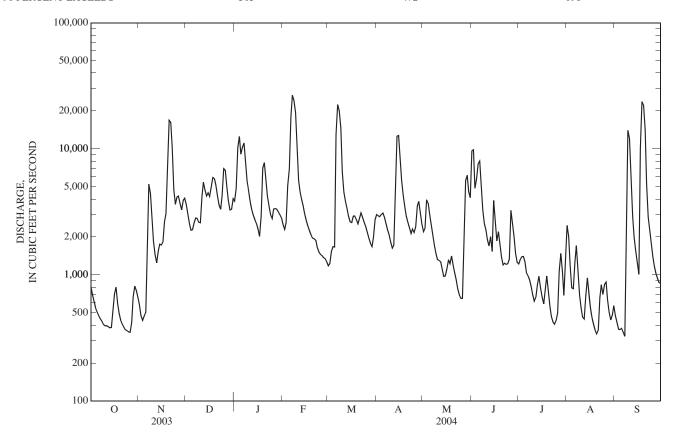
COOPERATION .-- U.S. Army Corps of Engineers, Nashville District and Kentucky Natural Resources and Environmental Protection Cabinet.

DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

					Dim	J1 1V1L/11 1	TILCLO					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794	582	3,610	3,850	2,510	1,180	3,010	2,200	9,600	1,220	2,470	474
	684	473	3,050	4,870	2,300	1,230	2,940	2,330	9,820	1,320	2,010	421
2 3	604	435	2,550	10,200	2,600	1,530	2,890	3,950	4,870	1,390	1,190	371
4	543	471	2,260	12,500	5,110	1,670	3,020	3,700	5,750	1,400	791	368
5	504	505	2,280	9,050	6,890	1,660	3,020	2,970	7,590	1,260	776	377
3	304	303	2,200	9,030	0,090	1,000	3,090	2,970	7,390	1,200	770	311
6	472	2,110	2,580	10,300	17,900	13,000	2,850	2,520	8,000	1,040	1,260	351
7	447	5,230	2,820	11,100	26,600	22,300	2,540	2,090	4,940	984	1,700	326
8	428	4,430	2,800	7,810	24,100	20,000	2,270	1,710	3,290	909	1,100	4,380
9	404	2,690	2,620	5,570	19,400	14,700	2,070	1,470	2,540	804	693	14,000
10	394	1,850	2,580	4,580	11,100	6,580	1,810	1,320	2,270	696	543	12,100
11	205	1.450	4.170	3,790	5,630	4,540	1,620	1,300	1,900	618	461	5,760
	395	1,450			4,510	3,820	1,620		1,690	665		2,890
12	388		5,440	3,250				1,270			445	
13	381	1,540	4,710	2,970	3,920	3,340	5,450	1,110	2,010	842	685	1,990
14	383	1,750	4,210	2,740	3,460	2,920	12,600	971	1,530	974	948	1,550
15	516	1,720	4,480	2,550	3,010	2,630	12,800	981	3,900	790	728	1,250
16	701	1,820	4,200	2,290	2,670	2,590	8,340	1,120	2,670	668	550	1,010
17	802	2,650	4,970	2,020	2,410	2,930	5,600	1,320	1,860	587	456	10,100
18	591	3,050	5,940	2,930	2,230	2,940	4,260	1,230	2,200	735	403	23,700
19	491	7,570	5,790	7,030	2,070	2,750	3,450	1,410	1,760	981	365	22,200
20	438	16,800	5,150	7,770	1,950	2,530	2,920	1,190	1,390	750	340	14,300
21	408	16,200	4,230	5,570	1.930	2,820	2,610	1,030	1,200	561	364	5,270
22	386	10,300	3,580	4,210	1,880	3,100	2,360	913	1,240	467	662	2,880
23	366	4,760	3,320	3,520	1,650	2,850	2,130	768	1,210	423	835	2,250
24	362	3,630	4,260	3,010	1,520	2,600	2,320	693	1,220	406	698	1,770
25	354	4,140	6,960	2,800	1,460	2,410	2,170	650	1,330	436	838	1,400
26	350	4,220	6,740	3,330	1,420	2,190	2,410	651	3,250	499	874	1,160
27	420	3,680	4,920	3,360	1,370	1,960	3,500	1,940	2,560	1,080	634	1,020
28	669	3,280	3,890	3,320	1,350	1,780	3,830	5,600	2,040	1,480	504	929
29	814	3,890	3,270	3,160	1,270	1,680	3,110	6,170	1,480	1,060	439	867
30	749	4,040	3,310	3,010		1,990	2,510	4,560	1,260	686	480	861
31	660		4,020	2,830		2,750		4,090		1,310	570	
TOTAL	15,898	116,506	124,710	155,290	164,220	140,970	112,200	63,227	96,370	27,041	24,812	136,325
MEAN	513	3,884	4,023	5,009	5,663	4,547	3,740	2,040	3,212	872	800	4,544
MAX	814	16,800	6,960	12,500	26,600	22,300	12,800	6,170	9,820	1,480	2,470	23,700
MIN	350	435	2,260	2,020	1,270	1,180	1,620	650	1,200	406	340	326
			*	*	*		*					
STATIST	ICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1980 - 2004	, BY WATE	R YEAR (W	YY)			
MEAN	594	1,676	3,221	4,024	5,112	5,151	4,124	3,028	1,922	800	744	780
MAX	4,413	4,923	9,751	8,015	12,920	10,400	11,520	9,572	8,305	1,684	1,882	4,544
(WY)	(1990)	(1997)	(1992)	(1994)	(1994)	(1994)	(1998)	(1984)	(1989)	(1989)	(2003)	(2004)
MIN	107	141	300	203	1,803	1,193	730	943	277	211	191	86.2
(WY)	(1981)	(1999)	(1981)	(1981)	(1988)	(1988)	(1986)	(1986)	(1988)	(1988)	(2002)	(1999)
			` ′	` ′	` ′	. /	` ′	. /	. /	` ′		` ′

03404000 CUMBERLAND RIVER AT WILLIAMSBURG, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	ENDAR YEAR	FOR 2004 WAT	TER YEAR	WATER YEARS	S 1980 - 2004
ANNUAL TOTAL	1,359,470		1,177,569			
ANNUAL MEAN	3,725		3,217		2,585	
HIGHEST ANNUAL MEAN					4,390	1994
LOWEST ANNUAL MEAN					1,159	1988
HIGHEST DAILY MEAN	32,700	Feb 18	26,600	Feb 7	38,500	Feb 13, 1994
LOWEST DAILY MEAN	350	Oct 26	326	Sep 7	62	Oct 18, 1980
ANNUAL SEVEN-DAY MINIMUM	378	Oct 21	378	Oct 21	63	Oct 17, 1980
MAXIMUM PEAK FLOW			27,700	Feb 7	49,700	Jan 31, 1957
MAXIMUM PEAK STAGE			25.27	Feb 7	35.03	Apr 7, 1977
INSTANTANEOUS LOW FLOW					6.1	Oct 23, 1953
10 PERCENT EXCEEDS	7,100		6,780		5,840	
50 PERCENT EXCEEDS	2,000		2,100		1,250	
90 PERCENT EXCEEDS	505		472		198	



03404500 CUMBERLAND RIVER AT CUMBERLAND FALLS, KY

LOCATION.--Lat 36°50'14", long 84°26'36", McCreary County, Hydrologic Unit 05130101, on left bank 0.1 mi downstream from bridge on State Highway 90, 0.2 upstream from Cumberland Falls, and at mile 562.4.

DRAINAGE AREA.--1,977 mi².

PERIOD OF RECORD.--August 1907 to December 1911, October 1914 to September 1994, October 2002 to current year. Monthly discharges only for October 1914 to March 1915 and October 1931 to July 1932, published in WSP 1306.

REVISED RECORDS.--WSP 1436: 1919. WSP 1436: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 825.28 ft above NGVD of 1929. Aug. 15, 1907 to Dec. 10, 1911, nonrecording gage at site 300 ft downstream at different datum. Apr. 3, 1915 to Sept. 1, 1933, nonrecording gage at site 500 ft downstream at same datum.

REMARKS.--Records good except for those estimated, which are poor. Flow slightly regulated by Martins Fork Dam (station 03400798) beginning January 1979.

Date

Mar 7

Time

1400

Discharge

 (ft^3/s)

25,600

Gage height

(ft)

9.38

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

Time

1200

Date

Feb 6

Discharge

 (ft^3/s)

*35,100

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*): Gage height

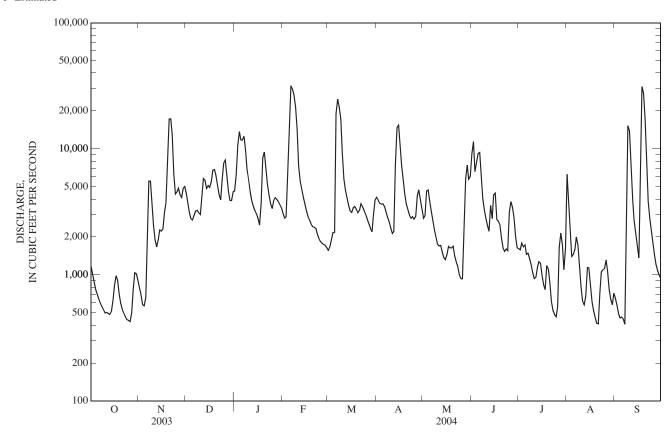
(ft)

11.14

		Feb 9 10		900	8.64		Ma	17 1400	23,00	50 5	7.36	
				DI WATER	YEAR OCT	CUBIC FE COBER 2003 LY MEAN V	ET PER SEC TO SEPTE ALUES	COND MBER 2004				
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,170	798	4,440	4,610	3,070	1,560	4,130	2,810	9,150	1,610	6,270	650
2	1,010	694	3,710	6,240	2,820	1,660	3,920	2,940	11,400	1,580	3,230	573
3	866	580	3,100	10,700	2,890	1,900	3,690	4,620	6,600	1,790	2,100	490
4	762	568	2,790	13,700	4,780	2,160	3,640	4,700	7,760	1,670	1,400	455
5	698	665	2,730	11,700	9,600	2,180	3,660	3,810	9,170	1,730	1,450	462
6	640	1,640	2,970	11,700	31,700	19,000	3,490	3,220	9,320	1,450	1,590	447
7	594	5,550	3,210	12,600	30,000	24,800	3,140	2,730	6,490	1,480	2,000	406
8	561	5,540	3,250	9,590	26,700	21,400	2,870	2,280	4,050	1,340	1,710	5,840
9	530	3,550	3,110	6,810	21,500	17,100	2,630	1,980	3,280	1,200	1,130	15,300
10	498	2,490	3,000	5,510	14,100	9,330	2,350	1,760	2,790	1,050	785	13,900
11	503	1,890	4,150	4,520	7,330	5,780	2,130	1,700	2,470	933	619	7,650
12	495	1,660	5,820	3,840	5,530	4,680	2,200	1,710	2,210	955	580	3,980
13	485	1,900	5,630	3,510	4,750	4,090	7,500	1,510	3,560	1,150	681	2,690
14	512	2,280	4,830	3,240	4,120	3,590	14,600	1,380	2,790	1,270	1,140	e2,130
15	628	2,220	5,110	3,050	3,670	3,220	15,400	1,320	4,320	1,230	1,130	e1,710
16	819	2,310	4,930	2,790	3,220	3,130	11,000	1,440	4,450	982	828	e1,360
17	984	3,140	5,450	2,480	2,900	3,420	7,360	1,680	2,740	826	613	e9,730
18	903	3,730	6,770	3,700	2,720	3,490	5,550	1,640	2,660	763	518	e31,200
19	700	7,230	6,850	8,470	2,540	3,330	4,340	1,630	2,510	1,190	462	e27,500
20	596	17,200	6,190	9,410	2,410	3,110	3,650	1,690	1,960	1,120	413	e16,900
21	533	17,300	5,180	6,880	2,380	3,260	3,290	1,400	1,630	853	408	8,910
22	497	13,000	4,330	5,270	2,340	3,680	2,970	1,270	1,530	617	720	3,820
23	465	6,320	3,920	4,310	2,110	3,480	2,820	1,160	1,600	523	1,050	2,810
24	441	4,360	5,670	3,660	1,940	3,220	2,900	1,000	1,560	484	1,100	2,290
25	435	4,550	7,700	3,350	1,840	3,010	2,770	933	3,130	465	1,120	1,880
26 27 28 29 30 31	427 503 756 1,040 1,020 903	4,860 4,320 4,120 4,860 5,020	8,140 6,160 4,650 3,890 3,890 4,560	3,860 4,090 3,980 3,800 3,620 3,410	1,780 1,750 1,720 1,650	2,770 2,550 2,340 2,200 3,010 3,920	2,910 4,240 4,720 3,930 3,310	931 2,420 5,770 7,440 5,730 6,020	3,820 3,410 2,880 2,030 1,640	559 1,660 2,140 1,720 1,100 1,610	1,310 1,070 768 637 579 716	1,450 1,210 1,080 1,000 939
TOTAL	20,974	134,345	146,130	184,400	203,860	172,370	141,110	80,624	122,910	37,050	38,127	168,762
MEAN	677	4,478	4,714	5,948	7,030	5,560	4,704	2,601	4,097	1,195	1,230	5,625
MAX	1,170	17,300	8,140	13,700	31,700	24,800	15,400	7,440	11,400	2,140	6,270	31,200
MIN	427	568	2,730	2,480	1,650	1,560	2,130	931	1,530	465	408	406
STATIST		IONTHLY M		FOR WAT				`	Y)			
MEAN	684	1,877	3,884	5,773	6,411	7,008	5,092	3,274	1,809	1,344	946	631
MAX	5,330	7,963	17,620	17,570	15,740	18,510	11,390	11,230	8,954	6,379	4,171	5,625
(WY)	(1990)	(1978)	(1927)	(1937)	(1939)	(1917)	(1977)	(1984)	(1989)	(1941)	(1942)	(2004)
MIN	10.5	44.2	141	227	462	1,572	987	417	103	47.5	37.3	23.0
(WY)	(1954)	(1940)	(1940)	(1981)	(1941)	(1988)	(1963)	(1936)	(1936)	(1944)	(1925)	(1925)

03404500 CUMBERLAND RIVER AT CUMBERLAND FALLS, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	ENDAR YEAR	FOR 2004 WAT	ΓER YEAR	WATER YEARS	S 1908 - 2004
ANNUAL TOTAL	1,620,568		1,450,662			
ANNUAL MEAN	4,440		3,964		3,213	
HIGHEST ANNUAL MEAN					5,196	1927
LOWEST ANNUAL MEAN					1,324	1988
HIGHEST DAILY MEAN	37,100	Feb 16	31,700	Feb 6	57,500	Jan 28, 1918
LOWEST DAILY MEAN	425	Sep 21	406	Sep 7	4.0	Sep 19, 1954
ANNUAL SEVEN-DAY MINIMUM	472	Oct 21	472	Oct 21	7.1	Oct 23, 1953
MAXIMUM PEAK FLOW			35,100	Feb 6	59,600	Jan 28, 1918
MAXIMUM PEAK STAGE			11.14	Feb 6	15.50	Jan 28, 1918
INSTANTANEOUS LOW FLOW					4.0	Sep 19, 1954
10 PERCENT EXCEEDS	8,420		8,240		7,950	•
50 PERCENT EXCEEDS	2,490		2,780		1,440	
90 PERCENT EXCEEDS	681		618		160	



03404900 LYNN CAMP CREEK AT CORBIN, KY

LOCATION.--Lat 36°57'05", long 84°05'37", Whitley County, Hydrologic Unit 05130101, on left bank 40 ft downstream from bridge on State Highway 312, (East Masters Street) at Corbin, 0.8 mi downstream from East Fork Lynn Camp Creek, and at mile 3.9.

Discharge (ft³/s)

Date

Time

Gage height

(ft)

DRAINAGE AREA.--53.8 mi².

PERIOD OF RECORD.--Annual maximums, water years 1957-73, October 1973 to current year.

Discharge

 (ft^3/s)

GAGE.--Water-stage recorder with telemetry. Datum of gage is 1,049.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good except for discharges below 2.0 ft³/s, which are fair and for those estimated, which are poor.

Gage height

(ft)

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District.

Time

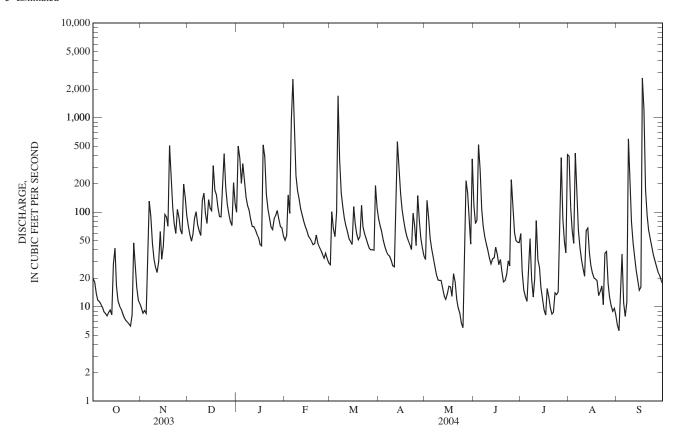
Date

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

				3,180 2,060	10.08 8.36		Sep	17 1630	*3,94	*11	.08	
					YEAR OCT		ET PER SEC 3 TO SEPTE ALUES		ŀ			
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	20 18 14 12 11	9.7 8.5 9.1 8.5 49	72 58 49 58 86	e100 e500 374 201 e327	51 57 152 97 928	28 101 67 55 100	84 71 62 50 43	32 133 88 52 40	119 76 82 519 282	59 23 15 13	390 113 65 47 421	6.4 5.6 13 36 11
6 7 8 9 10	9.8 8.9 8.5 8.0	131 90 47 32 26	101 73 64 56 133	e225 145 117 105 84	2,550 681 244 169 138	1,700 354 160 113 87	38 35 34 31 27	33 27 22 19	108 72 55 46 39	24 52 20 13 20	166 65 42 31 25	7.9 11 594 230 79
11 12 13 14 15	8.7 9.2 8.2 28 42	23 30 62 32 44	159 97 76 136 110	70 71 66 58 54	109 93 80 70 64	72 62 52 49 46	26 156 557 289 158	19 16 13 12 14	33 28 32 33 43	82 31 26 16 12	21 64 68 37 27	47 33 25 19 15
16 17 18 19 20	17 11 10 9.4 8.5	95 89 71 507 243	104 310 171 152 113	46 44 515 388 155	56 53 49 45 46	114 74 59 51 55	108 83 65 55 50	16 16 13 22 18	36 28 32 24 18	9.2 8.2 16 13 9.7	23 20 20 19 13	16 2,620 1,210 170 92
21 22 23 24 25	7.7 7.2 6.9 6.6 6.3	111 76 60 107 87	90 89 189 416 185	108 87 70 66 86	58 47 43 40 36	118 70 59 52 46	45 40 97 74 44	9.7 8.5 6.7 e6.0	19 22 31 27 220	8.3 8.7 14 13 14	14 17 11 37 38	65 52 43 35 31
26 27 28 29 30 31	8.2 47 27 16 12 11	65 59 198 144 94	121 e95 e80 e72 e205 e122	92 104 85 70 68 56	33 37 32 29	41 40 40 39 191 111	150 82 54 42 35	e30 e215 e160 81 46 366	111 61 50 48 48	113 377 85 48 37 406	18 13 10 8.9 9.6 8.2	27 23 22 19 17
TOTAL MEAN MAX MIN CFSM IN.	429.1 13.8 47 6.3 0.26 0.30	2,607.8 86.9 507 8.5 1.62 1.80	3,842 124 416 49 2.30 2.66	4,537 146 515 44 2.72 3.14	6,087 210 2,550 29 3.90 4.21	4,206 136 1,700 28 2.52 2.91	2,685 89.5 557 26 1.66 1.86	1,564.9 50.5 366 6.0 0.94 1.08	2,342 78.1 519 18 1.45 1.62	1,597.1 51.5 406 8.2 0.96 1.10	1,861.7 60.1 421 8.2 1.12 1.29	5,574.9 186 2,620 5.6 3.45 3.85
STATIST	ICS OF N	MONTHLY M	MEAN DAT	A FOR WAT	ER YEARS	1974 - 2004	, BY WATE	R YEAR (W	/Y)			
MEAN MAX (WY) MIN (WY)	28.0 133 (1990) 1.35 (1981)	78.6 267 (1974) 5.15 (1999)	115 378 (1991) 10.4 (1981)	5.13	159 365 (2003) 56.9 (1977)	156 458 (1975) 41.9 (1988)	114 413 (1998) 16.5 (1986)	87.3 387 (1983) 9.47 (1986)	57.5 203 (1997) 2.39 (1988)	39.2 110 (1978) 2.11 (1975)	29.5 90.9 (2003) 2.50 (1976)	33.5 186 (2004) 0.32 (1999)

03404900 LYNN CAMP CREEK AT CORBIN, KY-Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WAT	TER YEAR	WATER YEARS	3 1974 - 2004
ANNUAL TOTAL	40,667.1		37,334.5			
ANNUAL MEAN	111		102		86.9	
HIGHEST ANNUAL MEAN					141	1994
LOWEST ANNUAL MEAN					36.5	1988
HIGHEST DAILY MEAN	2,570	Feb 16	2,620	Sep 17	4,530	Apr 17, 1998
LOWEST DAILY MEAN	3.9	Aug 29	5.6	Sep 2	0.02	Jun 24, 1988
ANNUAL SEVEN-DAY MINIMUM	5.3	Aug 23	7.3	Oct 20	0.02	Jun 24, 1988
MAXIMUM PEAK FLOW		•	3,940	Sep 17	9,000	Jan 29, 1957
MAXIMUM PEAK STAGE			11.08	Sep 17	22.50	Jan 29, 1957
INSTANTANEOUS LOW FLOW				•	0.02	Jun 24, 1988
ANNUAL RUNOFF (CFSM)	2.07		1.90		1.61	
ANNUAL RUNOFF (INCHES)	28.12		25.81		21.94	
10 PERCENT EXCEEDS	228		186		192	
50 PERCENT EXCEEDS	52		48		36	
90 PERCENT EXCEEDS	9.7		11		3.3	



03406500 ROCKCASTLE RIVER AT BILLOWS, KY

LOCATION.--Lat 37°10'16", long 84°17'46", Laurel County, Hydrologic Unit 05130102, on left bank 200 ft upstream from bridge on State Highway 80 at Billows, 0.9 mi upstream from Pine Creek, 1.1 mi downstream from Hawk Creek, 13 mi west of London, and at mile 24.4.

DRAINAGE AREA.--604 mi².

PERIOD OF RECORD .-- July 1936 to current year.

REVISED RECORDS.--WSP 1436: Drainage area.

Date

Jan 3

GAGE.--Water-stage recorder with telemetry. Datum of gage is 802.90 ft above NGVD of 1929. Prior to Nov. 19, 1940, nonrecording gage at same site and datum.

Discharge

 (ft^3/s)

unknown

Time

May 27 unknown

Gage height

(ft)

unknown

REMARKS .-- Records good except for those estimated, which are poor.

Time

0600

Discharge

 (ft^3/s)

21,900

COOPERATION .-- U.S. Army Corps of Engineers, Nashville District and Kentucky Natural Resources and Environmental Protection Cabinet.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*): Gage height

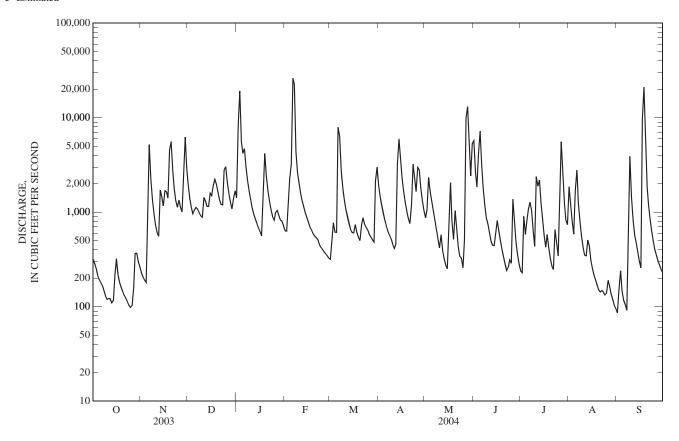
(ft)

29.19

	Fe	eb 6 223 Iar 6 200	0 *31,7	*3	6.10 0.88		Sep					
					YEAR OCT	, CUBIC FE TOBER 2003 LY MEAN V	TO SEPTE	COND EMBER 2004				
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	229	1,920	1,420	636	318	1,900	873	5,710	238	1,860	86
2	285	207	1,380	8,140	630	485	1,440	1,060	2,640	229	1,190	152
3	251	192	1,100	19,200	1,210	771	1,200	2,330	1,860	904	811	240
4	214	181	960	5,540	2,280	615	990	1,650	4,190	584	586	147
5	194	1,080	1,060	4,190	3,240	611	815	1,270	7,200	830	1,710	117
6	180	5,160	1,120	4,680	26,100	7,920	697	1,010	3,110	1,080	2,780	106
7	166	2,250	1,080	2,980	22,500	6,390	622	792	1,810	1,270	1,260	91
8	149	1,360	993	2,140	4,340	2,750	572	628	1,200	1,030	795	1,280
9	130	956	916	1,690	2,600	1,800	522	508	864	627	553	3,890
10	120	737	884	1,380	1,980	1,360	457	418	746	436	423	1,450
11	122	614	1,430	1,100	1,590	1,070	415	577	608	2,380	351	831
12	121	556	1,310	943	1,310	906	456	390	494	1,890	345	569
13	110	1,710	1,150	849	1,130	763	3,210	318	448	2,190	508	480
14	116	1,460	1,150	758	977	662	5,940	276	444	1,290	434	381
15	223	1,170	1,590	687	880	610	3,740	252	587	844	312	304
16	322	1,680	1,500	624	781	603	2,320	598	816	572	254	257
17	220	1,640	1,910	561	696	740	1,660	2,060	632	427	215	e9,600
18	180	1,410	2,220	1,240	648	617	1,280	798	505	581	191	e21,000
19	159	4,560	1,970	4,170	594	549	1,020	516	407	420	170	5,330
20	145	5,560	1,660	2,400	559	502	860	1,040	342	324	151	1,850
21	132	2,750	1,360	1,680	540	735	758	661	284	269	143	1,180
22	123	1,780	1,210	1,330	510	872	1,180	437	241	247	149	830
23	113	1,320	1,190	1,070	459	745	3,210	341	262	655	144	620
24	104	1,130	2,770	900	423	696	2,340	328	314	468	133	486
25	98	1,340	3,030	826	404	647	1,650	258	288	346	140	401
26 27 28 29 30 31	103 160 366 368 298 262	1,130 1,000 2,730 6,230 2,970	2,080 1,580 1,290 1,080 1,400 1,680	994 1,040 921 824 807 720	381 364 348 328	586 547 514 483 2,140 3,010	2,970 2,790 1,810 1,330 1,040	503 e10,000 e13,000 5,590 2,420 5,310	1,370 821 488 355 280	991 5,550 2,630 1,250 821 738	190 165 136 119 103 96	347 303 273 249 229
TOTAL	5,853	55,092	45,973	75,804	78,438	41,017	49,194	56,212	39,316	32,111	16,417	53,079
MEAN	189	1,836	1,483	2,445	2,705	1,323	1,640	1,813	1,311	1,036	530	1,769
MAX	368	6,230	3,030	19,200	26,100	7,920	5,940	13,000	7,200	5,550	2,780	21,000
MIN	98	181	884	561	328	318	415	252	241	229	96	86
CFSM	0.31	3.04	2.46	4.05	4.48	2.19	2.71	3.00	2.17	1.71	0.88	2.93
IN.	0.36	3.39	2.83	4.67	4.83	2.53	3.03	3.46	2.42	1.98	1.01	3.27
	TICS OF M	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1936 - 2004	, BY WATE	ER YEAR (W	YY)			
MEAN	198	577	1,243	1,665	1,924	1,963	1,476	115	593	361	211	180
MAX	2,887	2,374	5,279	5,990	5,236	5,860	4,051		2,862	1,830	1,263	1,769
(WY)	(1990)	(1987)	(1991)	(1937)	(1956)	(1975)	(1972)		(1947)	(1941)	(1977)	(2004)
MIN	3.18	11.5	16.5	56.9	208	507	188		37.9	10.8	10.1	4.95
(WY)	(1954)	(1954)	(1954)	(1981)	(1941)	(1983)	(1986)		(1988)	(1944)	(1957)	(1936)

03406500 ROCKCASTLE RIVER AT BILLOWS, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WAT	ΓER YEAR	WATER YEARS	S 1936 - 2004
ANNUAL TOTAL	457,659		548,506			
ANNUAL MEAN	1,254		1,499		944	
HIGHEST ANNUAL MEAN					1,575	1979
LOWEST ANNUAL MEAN					345	1954
HIGHEST DAILY MEAN	26,200	Feb 17	26,100	Feb 6	46,200	Dec 9, 1978
LOWEST DAILY MEAN	47	Aug 29	86	Sep 1	0.90	Sep 9, 1957
ANNUAL SEVEN-DAY MINIMUM	64	Aug 23	117	Oct 20	1.4	Sep 11, 1964
MAXIMUM PEAK FLOW		-	31,700	Feb 6	50,000	Dec 9, 1978
MAXIMUM PEAK STAGE			36.10	Feb 6	47.17	Dec 9, 1978
INSTANTANEOUS LOW FLOW					0.80	Sep 9, 1957
ANNUAL RUNOFF (CFSM)	2.08		2.48		1.56	_
ANNUAL RUNOFF (INCHES)	28.19		33.78		21.24	
10 PERCENT EXCEEDS	2,710		2,970		2,150	
50 PERCENT EXCEEDS	610		794		336	
90 PERCENT EXCEEDS	156		180		25	



03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY

LOCATION.--Lat 36°37'47", long 84°31'55", McCreary County, Hydrologic Unit 05130104, on right bank, 400 ft upstream from Salt Branch, 1,000 ft downstream from Bear Creek, 5.3 mi southwest of Stearns, and at mile 49.4.

DRAINAGE AREA.--954 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--September 1942 to current year.

Date

Feb 6

REVISED RECORDS.--WSP 1113: 1946(M). WSP 1436: Drainage area, WDR KY-96-1 latitude and longitude.

GAGE--Water-stage recorder with telemetry. Datum of gage is 763.83 ft above NGVD of 1929; prior to Oct. 1, 1980 at site 1,000 ft upstream at datum 0.98 ft higher.

REMARKS.--Records fair except for those estimated, which are poor.

Time

2000

COOPERATION.--Kentucky Natural Resources and Environmental Protection Cabinet, National Park Service, and U.S. Army Corps of Engineers, Nashville District.

Date

Sep 17

Time

2300

Discharge (ft³/s)

*63,600

Gage height

(ft)

*36.88

EXTREMES OUTSIDE PERIOD OF RECORD .-- Flood of March 1929 reached a stage of 52.9 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 22,000 ft³/s and maximum (*):

Gage height

(ft)

32.36

Discharge

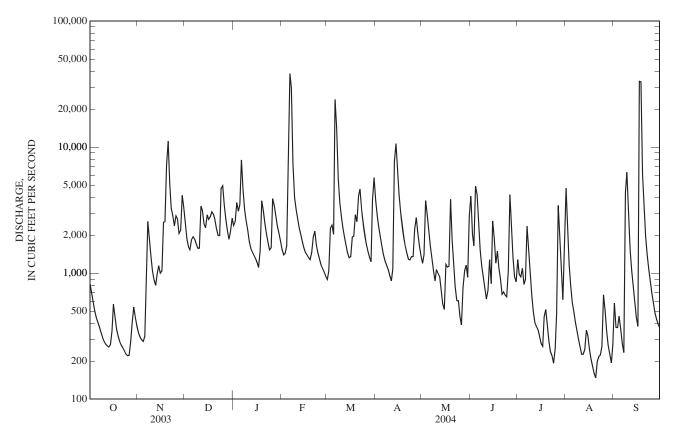
 (ft^3/s)

49,900

				9,900 9,900	28.69		Sep	p 17 2300	, "05,00	i0 "30	.00	
					ISCHARGE, R YEAR OCT DAII		TO SEPTE		4			
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	821	337	2,500	2,390	1,540	894	3,780	1,200	4,100	1,280	4,710	578
2	688	312	1,890	2,570	1,400	1,040	2,840	1,400	2,030	980	2,090	371
3	582	297	1,620	3,630	1,430	2,270	2,330	3,760	1,640	937	1,180	371
4	502	288	1,540	e3,100	1,650	2,410	1,940	2,930	4,920	1,090	792	458
5	443	314	1,840	e3,500	4,330	2,030	1,630	2,150	4,190	815	581	364
6	406	971	1,940	7,920	38,200	23,900	1,390	1,670	2,320	890	491	279
7	372	2,570	1,860	4,590	e29,600	14,300	1,240	1,320	1,540	2,370	411	234
8	339	1,890	1,720	3,180	e7,400	5,640	1,160	1,060	1,140	1,580	350	4,400
9	310	1,340	1,580	2,630	e4,000	3,610	1,070	868	937	1,020	298	6,310
10	289	1,040	1,580	2,210	e3,200	2,860	958	1,070	763	686	259	2,740
11	273	883	3,410	1,790	2,710	2,290	868	1,000	623	498	227	1,560
12	266	799	3,150	1,570	2,290	1,930	1,080	938	736	406	228	1,050
13	260	999	2,470	1,480	2,030	1,660	7,690	716	1,280	379	248	797
14	270	1,140	2,300	1,400	1,770	1,450	10,700	571	826	359	353	586
15	348	1,000	2,900	1,310	1,590	1,320	6,310	515	e2,600	318	320	447
16	568	1,040	2,660	1,220	1,460	1,350	4,240	1,180	e1,900	277	249	378
17	447	2,530	2,790	1,110	1,400	1,940	3,040	1,120	e1,200	264	208	33,300
18	356	2,560	3,070	1,510	1,330	1,960	2,390	1,140	e1,500	451	182	33,000
19	314	7,180	2,930	3,750	1,280	2,910	1,930	3,850	e1,100	516	161	6,050
20	289	11,100	2,670	3,120	1,460	2,560	1,630	1,820	e900	387	148	3,060
21	269	5,130	2,250	2,470	1,930	4,100	1,440	1,110	e680	288	199	1,970
22	256	e3,290	1,990	2,070	2,150	4,660	1,290	779	e710	239	219	1,400
23	243	e2,860	1,990	1,760	1,690	3,200	1,270	606	e670	222	224	1,070
24	229	e2,380	4,690	1,530	1,440	2,500	1,350	604	e650	193	262	852
25	221	e2,860	4,920	1,590	1,290	2,040	1,350	451	1,050	254	674	698
26 27 28 29 30 31	223 289 404 539 445 380	e2,700 2,060 2,180 4,140 3,370	3,440 2,650 2,190 1,860 2,160 2,730	3,900 3,450 2,860 2,340 2,080 1,810	1,160 1,100 1,030 946	1,710 1,500 1,350 1,230 3,800 5,710	2,260 2,770 2,100 1,660 1,380	388 772 1,050 1,160 928 2,840	4,210 2,330 1,350 935 853	481 3,450 1,860 965 616 1,790	503 354 268 228 194 269	572 481 429 396 369
TOTAL	11,641	69,560	77,290	79,840	122,806	110,124	75,086	40,966	49,683	25,861	16,880	104,570
MEAN	376	2,319	2,493	2,575	4,235	3,552	2,503	1,321	1,656	834	545	3,486
MAX	821	11,100	4,920	7,920	38,200	23,900	10,700	3,850	4,920	3,450	4,710	33,300
MIN	221	288	1,540	1,110	946	894	868	388	623	193	148	234
CFSM	0.39	2.43	2.61	2.70	4.44	3.72	2.62	1.39	1.74	0.87	0.57	3.65
IN.	0.45	2.71	3.01	3.11	4.79	4.29	2.93	1.60	1.94	1.01	0.66	4.08
STATIST	ICS OF M	MONTHLY N	MEAN DATA	A FOR WAT	TER YEARS	1943 - 2004	, BY WATE	ER YEAR (W	VY)			
MEAN	373	30.6	2,577	3,275	3,545	3,608	2,586	1,738	1,002	606	409	429
MAX	2,553		7,388	9,615	8,747	10,580	6,038	6,555	5,152	3,772	2,997	3,486
(WY)	(1990)		(1991)	(1950)	(1956)	(1975)	(1977)	(1984)	(1989)	(1967)	(1971)	(2004)
MIN	20.8		150	145	725	1,200	568	224	72.8	34.5	65.4	29.6
(WY)	(1954)		(1964)	(1981)	(1968)	(2003)	(1986)	(1948)	(1988)	(1944)	(1951)	(1953)

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	NDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEAR	S 1943 - 2004
ANNUAL TOTAL ANNUAL MEAN	864,440 2,368		784,307 2,143		1.773	
HIGHEST ANNUAL MEAN	2,308		2,143		3,023	1973
LOWEST ANNUAL MEAN HIGHEST DAILY MEAN	48,300	Feb 16	38,200	Feb 6	810 80,200	1988 Mar 13, 1975
LOWEST DAILY MEAN ANNUAL SEVEN-DAY MINIMUM	116 147	Aug 29 Aug 24	148 192	Aug 20 Aug 17	11 12	Sep 18, 1954 Sep 13, 1954
MAXIMUM PEAK FLOW	11,	1145 2 1	63,600	Sep 17	93,200	May 28, 1973
MAXIMUM PEAK STAGE INSTANTANEOUS LOW FLOW			36.88	Sep 17	46.29 11	May 28, 1973 Oct 4, 1948
ANNUAL RUNOFF (CFSM) ANNUAL RUNOFF (INCHES)	2.48 33.71		2.25 30.58		1.86 25.25	
10 PERCENT EXCEEDS 50 PERCENT EXCEEDS	4,740 1,090		3,790 1,350		4,020 720	
90 PERCENT EXCEEDS	289		288		82	



03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960-72, 1979 to 1990; July 1999 to Aug. 2000. Oct. 10, 2001 to current water year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE.--May 1980 to Sept. 1990, July 1999 to Aug. 22, 2000, Oct. 10, 2001 to current water year.

pH.--May 1980 to Sept. 1990, July 1999 to Aug. 22, 2000, Oct. 10, 2001 to current water year.

WATER TEMPERATURES .-- May 1980 to Sept. 1990, July 1999 to Aug. 22, 2000. Oct. 10, 2001 to current water year.

DISSOLVED OXYGEN.--May 1980 to Sept. 1990, Oct. 10, 2001 to current water year.

TURBIDITY .-- May 1980 to Sept. 1987 (discontinued).

SUSPENDED SEDIMENT DISCHARGE.--May 1980 to Sept. 1990 (discontinued).

INSTRUMENTATION.--Five parameter water-quality monitor and sediment pumping sampler May 1980 to Sept. 1990. Three parameter water-quality monitor from July 1999 to Aug. 22, 2000. Four parameter water-quality monitor with telemetry since Oct. 10, 2001.

REMARKS.--Miscellaneous samples prior to 1979. Miscellaneous measurements values may fall outside the range observed for that day by the water-quality monitor due to minor differences in sampling location.

SPECIFIC CONDUCTANCE.--Records rated good..

pH.--Records rated good except the following periods: Apr. 14-May 14, June 24-Jul. 5 rated fair; Jul. 7-Sep. 30 rated poor.

WATER TEMPERATURES.--Records rated good expect the following periods: Mar. 15-May 14 rated fair; Mar. 2-14 rated poor.

DISSOLVED OXYGEN.--Records rated good except the following period: Oct. 17-Dec. 1 rated fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--Maximum recorded, 434 microsiemens, July 17, 1985; minimum recorded, 37 microsiemens, Sep. 17, 2004.

pH.--Maximum recorded, 8.6 units, Aug. 10, 1989; minimum recorded, 5.2 units, May 19, 1980 and Nov. 24, 1980.

WATER TEMPERATURES.--Maximum recorded, 34.6°C, Aug. 31, Sept. 1, 1989; minimum recorded, 0.0 mg/L, Jan. 29, 2002 and Jan. 24-27, 2003.

SEDIMENT CONCENTRATIONS.--Maximum daily mean, 1980 mg/L, Aug. 9,1981; minimum daily mean, 0.0 mg/L, on several days in 1983-84, 1987-88. SEDIMENT LOADS.--Maximum daily, 200,000 tons, Sept. 2, 1982; minimum daily, 0.04 tons, Nov. 25, 1987.

EXTREMES FOR CURRENT YEAR .--

SPECIFIC CONDUCTANCE.--Maximum recorded, 225 microsiemens, Aug. 30; minimum recorded 34 microsiemens, Sept. 17.

pH.--Maximum 8.0 units, Aug. 10, 16-19, 27, Sep. 15; minimum recorded, 6.3 units, Feb. 6.

WATER TEMPERATURES.--Maximum recorded, 27.6°C, July 24; minimum recorded, 1.8°C, Jan. 23-24.

DISSOLVED OXYGEN.--Maximum recorded, 14.9 mg/L, Jan. 23; minimum recorded, 5.4 mg/L, July 13-14.

COOPERATION .-- Environmental and Public Protection Cabinet.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	(ОСТОВЕН	₹	N	OVEMBE	ER	D	ECEMBE	ER	J	ANUAR	Y
1 2 3	111 112 112	109 110 110	110 111 111	141 144 146	139 141 144	139 142 145						
4 5	111 111	110 110	110 110	145 143	143 140	144 141						
6 7 8 9 10	111 111 111 111 111	110 110 109 109 111	110 111 110 110 111	142 183 169 145 126	132 137 145 126 110	137 161 150 140 116	 	 	 	 	 	
11 12 13 14 15	111 112 115 116 118 120	111 112 115 116 116	111 112 113 115 116 118	110 107 104 101 107	107 104 101 97 99	108 106 103 99 103	 	 	 	 	 	
16 17 18 19 20	118 130 133 142 149	114 118 130 133 142	116 124 131 136 147	113 119 117 98	107 110 94 89	111 115 101 93	 	 	 	 	 	
21 22 23 24 25	153 153 150 144 140	149 150 144 140 138	151 152 147 141 139	 	 	 	 	 	 	 	 	
26 27 28 29 30 31	139 142 141 143 145 142	138 138 139 138 142 138	139 140 140 140 144 139	 	 	 	 	 	 	 	 	
MONTH	153	109	126									

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	F	EBRUAR	Y		MARCH			APRIL			MAY	
1 2				120 120	120 120	120 120	80 80	80 80	80 80	100 100	100 90	100 95
3				140	120	123	80	80	80	110	90	99
4				150	140	149	90	80	83	110	100	108
5				150	110	127	90	80	87	100	90	92
6				110	50	68	90	90	90	90	90	90
7 8				70	70	70 74	90	90 90	90 90	90	90 90	90 90
8				80 80	70 80	80	90 90	90	90 90	90 100	90 90	90 96
10				90	80	81	100	90	90	100	100	100
11				90	90	90	100	90	100	110	100	102
12				90	90	90	100	90	98	110	80	97
13				90	90	90	100	80	92	80	80	80
14				100	90	95	100	70	79	84	79	81
15				100	100	100	80	70	74	91	84	89
16				100	100	100	80	80	80	101	91	95
17				100	100	100	80	80	80	114	101	109
18 19				130 130	100 110	120 126	80 90	80 80	80 80	112 72	70 45	90 59
20				110	100	109	90	80	89	45	42	43
						0.0	00		00		4.4	
21 22				100 90	90 90	98 90	90 90	90 90	90 90	53 59	44 53	49 56
23				90	80	88	90	90	90	64	59	62
24				90	80	84	90	90	90	71	64	67
25				90	80	89	100	90	91	77	71	74
26				90	90	90	100	80	95	80	77	78
27				90	90	90	90	80	82	85	78	83
28 29				90 100	90 90	90 94	90 100	90 90	90 93			
30				100	80	88	100	100	100			
31				80	80	80						
MONTH				150	50	07	100	70	87			
MONTH				150	50	97	100	70	87			
MONTH		JUNE		150	50 JULY	97		70 AUGUST			 EPTEMBE	ER
1				112	JULY 92	97		AUGUST		SI 197	EPTEMBE	159
1 2		JUNE 		112 97	JULY 92 87	97 92		AUGUST 	 	197 137	EPTEMBE 137 127	159 131
1 2 3	 	JUNE 	 	112 97 109	JULY 92 87 87	97 92 96		AUGUST	 	197 137 133	EPTEMBE 137 127 127	159 131 128
1 2		JUNE 		112 97	JULY 92 87	97 92		AUGUST 	 	197 137	EPTEMBE 137 127	159 131
1 2 3 4 5		JUNE		112 97 109 114	JULY 92 87 87 103	97 92 96 109	 77 76	AUGUST 76 73	 77 75	197 137 133 163 170	137 127 127 127 133 163	159 131 128 148 168
1 2 3 4 5	 	JUNE 	 	112 97 109 114 	JULY 92 87 87 103	97 92 96 109 	 77 76 73	AUGUST 76 73 72	 77 75	197 137 133 163 170	137 127 127 127 133 163 170	159 131 128 148 168
1 2 3 4 5 6 7 8	 	JUNE	 	112 97 109 114 86 75	JULY 92 87 87 103 73 71	97 92 96 109 78 72	 77 76 73 76 81	AUGUST 76 73 72 72 72 76	 77 75 72 74 79	197 137 133 163 170 176 178 172	137 127 127 127 133 163 170 171 101	159 131 128 148 168 173 176 154
1 2 3 4 5 6 7 8 9		JUNE		112 97 109 114 86 75 87	JULY 92 87 87 103 73 71 75	97 92 96 109 78 72 82	 77 76 73 76 81 86	AUGUST 76 73 72 72 76 81	 77 75 72 74 79 84	197 137 133 163 170 176 178 172 111	137 127 127 127 133 163 170 171 101 96	159 131 128 148 168 173 176 154 100
1 2 3 4 5 6 7 8 9	 	JUNE		112 97 109 114 86 75	JULY 92 87 87 103 73 71	97 92 96 109 78 72	 77 76 73 76 81	AUGUST 76 73 72 72 72 76	 77 75 72 74 79	197 137 133 163 170 176 178 172	137 127 127 127 133 163 170 171 101	159 131 128 148 168 173 176 154 100
1 2 3 4 5 6 7 8 9	 82	JUNE 79		112 97 109 114 86 75 87 87	JULY 92 87 87 103 73 71 75 84 84	97 92 96 109 78 72 82 85 84	 77 76 73 76 81 86 89	AUGUST76 73 72 72 76 81 86 89	 77 75 72 74 79 84 88	197 137 133 163 170 176 178 172 111	137 127 127 127 133 163 170 171 101 96	159 131 128 148 168 173 176 154 100 100
1 2 3 4 5 6 7 8 9 10	 82 97	JUNE 79 82	 80 84	112 97 109 114 86 75 87 87 86 90	JULY 92 87 87 103 73 71 75 84 84 86	97 92 96 109 78 72 82 85 84 88	 77 76 73 76 81 86 89	AUGUST 76 73 72 72 76 81 86 89 89	 77 75 72 74 79 84 88 89	197 137 133 163 170 176 178 172 111 109	137 127 127 127 133 163 170 171 101 96 74 80 59	159 131 128 148 168 173 176 154 100 100 98 88
1 2 3 4 5 6 7 8 9 10 11 12 13	 82	JUNE 79	 80 84 79	112 97 109 114 86 75 87 87 87 86 90	JULY 92 87 87 103 73 71 75 84 84 86 90	97 92 96 109 78 72 82 85 84 88 92	77 76 73 76 81 86 89 90 90	AUGUST 76 73 72 72 76 81 86 89 89 90	 77 75 72 74 79 84 88 89 90	197 137 133 163 170 176 178 172 111 109	137 127 127 127 133 163 170 171 101 96 74 80 59 57	159 131 128 148 168 173 176 154 100 100
1 2 3 4 5 6 7 8 9 10	 82 97 92	JUNE 79 82 62	 80 84	112 97 109 114 86 75 87 87 86 90	JULY 92 87 87 103 73 71 75 84 84 86	97 92 96 109 78 72 82 85 84 88	 77 76 73 76 81 86 89	AUGUST 76 73 72 72 76 81 86 89 89	 77 75 72 74 79 84 88 89	197 137 133 163 170 176 178 172 111 109	137 127 127 127 133 163 170 171 101 96 74 80 59	159 131 128 148 168 173 176 154 100 100 98 88
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 82 97 92	JUNE 79 82 62	 80 84 79	112 97 109 114 86 75 87 87 86 90 95 99	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99	97 92 96 109 78 72 82 85 84 88 92 97 101	77 76 73 76 81 86 89 90 90 91 92 96	AUGUST76 73 72 72 76 81 86 89 90 90 92	77 77 75 72 74 79 84 88 89 90 90 91	197 137 133 163 170 176 178 172 111 109 125 111 62 91	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 82 97 92	JUNE 79 82 62	 80 84 79	112 97 109 114 86 75 87 87 87 86 90 95 99 102	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105	97 92 96 109 78 72 82 85 84 88 92 97 101	 77 76 73 76 81 86 89 90 91 92 96	AUGUST76 73 72 76 81 86 89 89 90 90 92 96 101	77 77 75 72 74 79 84 88 89 90 90 91 94	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 82 97 92 	JUNE 79 82 62	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109	 77 76 73 76 81 86 89 90 90 91 92 96	AUGUST76 73 72 76 81 86 89 90 90 92 96 101 104	77 75 72 74 79 84 88 89 90 90 91 94 98 102 105	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 82 97 92 	JUNE	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111	JULY 92 87 87 103 73 71 75 84 86 90 95 99 102 105 107 111	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116	 77 76 73 76 81 86 89 90 90 91 92 96	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105	77 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 82 97 92 	JUNE 79 82 62	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126	777 776 73 776 81 86 89 90 90 91 92 96 101 104 105 106 110	AUGUST76 73 72 76 81 86 89 89 90 90 92 96 101 104 105 106	77 75 72 74 79 84 88 89 90 91 94 98 102 105 105	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 82 97 92 	JUNE	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126	77 76 73 76 81 86 89 90 90 91 92 96 101 104 105 106 110	AUGUST 76 73 72 72 76 81 86 89 90 90 90 92 96 101 104 105 106 110	77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 108	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 166 76 84	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 82 97 92 	JUNE 79 82 62	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126	77 76 73 76 81 86 89 90 91 92 96 101 104 105 106 110	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122	77 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 108	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 114 66 76 84 89 95	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 82 97 92 	JUNE	80 84 79	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126	777 776 73 776 81 86 89 90 90 91 92 96 101 104 105 106 110 132 142 147 153	AUGUST76 73 72 76 81 86 89 89 90 90 92 96 101 104 105 106 110 122 1442 144	77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 108	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 166 76 84	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	82 97 92	JUNE 79 82 62	80 84 79	112 97 109 114 86 75 87 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126	77 76 73 76 81 86 89 90 91 92 96 101 104 105 106 110	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122 142	77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 105 108	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84 89 95 99	137 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	82 97 92 	JUNE	80 84 79 	112 97 109 114 86 75 87 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123	77 76 73 76 81 86 89 90 91 92 96 101 104 105 106 110 132 142 147 153 154	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122 142 144 141	77 75 72 74 79 84 88 89 90 91 94 98 102 105 105 108	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84 89 95 99 103 106	137 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	 82 97 92 133	JUNE	80 84 79 129	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123	 77 76 73 76 81 86 89 90 91 92 96 101 104 105 106 110 132 142 147 153 154	AUGUST	 77 75 72 74 79 84 88 89 90 91 94 98 102 105 105 108 120 135 146 146 146	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84 89 95 99 103 106	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104 108 111
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	 82 97 92 133 150 104 108	JUNE	80 84 79 129 130 100 107	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62 62	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123	777 776 73 776 81 86 89 90 90 91 92 96 101 104 105 106 110 132 142 147 153 154	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122 142 144 141 143 156 195	 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 105 105 108 120 135 146 146	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 114 66 76 84 89 95 99 103 106	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103 106 109 113	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	 82 97 92 133 150 104 108 106	JUNE	 80 84 79 129 130 100 107 104	112 97 109 114 86 75 87 87 88 90 95 99 102 105 107 111 121 130 132 134 137 136 128 121 120 67 70	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62 62 63	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123	77 76 73 76 81 86 89 90 91 92 96 101 104 105 106 110 132 142 147 153 154 156 195 212 223	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122 142 144 141 143 156 195 212	 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 105 108 120 135 145 146 146 146 146 176 204 218	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84 89 95 99 103 106	137 127 127 127 123 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103 106 109 113 115	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104 108 111 114 117
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	 82 97 92 133 150 104 108	JUNE	80 84 79 129 130 100 107	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62 62	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123	777 776 73 776 81 86 89 90 90 91 92 96 101 104 105 106 110 132 142 147 153 154	AUGUST 76 73 72 72 76 81 86 89 90 90 92 96 101 104 105 106 110 122 142 144 141 143 156 195	 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 105 105 108 120 135 146 146	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 114 66 76 84 89 95 99 103 106	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103 106 109 113	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	 82 97 92 133 150 104 108 106 116	JUNE	80 84 79 129 130 100 107 104 106	112 97 109 114 86 75 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62 62 63 70 61	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123 120 86 64 67 74 77	777 776 73 776 81 86 89 90 91 92 96 101 104 105 106 110 132 142 147 153 154 156 195 212 223 225 223	AUGUST	77 75 72 74 79 84 88 89 90 91 94 98 102 105 105 108 120 135 145 146 146 176 204 218 224 216	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 114 66 76 84 89 95 99 103 106	137 127 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103 106 109 113 115 118	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104 108 111 114 117 119
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	 82 97 92 133 150 104 108 106 116	JUNE	80 84 79 129 130 100 107 104 106	112 97 109 114 86 75 87 87 87 86 90 95 99 102 105 107 111 121 130 132 134 137 136 128	JULY 92 87 87 103 73 71 75 84 84 86 90 95 99 102 105 107 111 121 130 132 134 128 119 119 62 62 63 70	97 92 96 109 78 72 82 85 84 88 92 97 101 104 106 109 116 126 132 133 136 132 123 120 86 64 67 74	77 76 73 76 81 86 89 90 90 91 92 96 101 104 105 106 110 132 142 147 153 154 156 195 212 223 225	AUGUST	77 77 75 72 74 79 84 88 89 90 90 91 94 98 102 105 105 105 108 120 135 146 146 146 146 176 204 218 224	197 137 133 163 170 176 178 172 111 109 125 111 62 91 111 114 114 66 76 84 89 95 99 103 106	EPTEMBE 137 127 127 133 163 170 171 101 96 74 80 59 57 60 91 111 34 55 66 76 84 89 95 99 103 106 109 113 115 118	159 131 128 148 168 173 176 154 100 100 98 88 59 76 100 113 71 61 71 80 87 92 96 101 104 108 111 114 117 119

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTO	OBER	NOVE	MBER	DECE	MBER	JANU	ARY	FEBRU	JARY	MAR	CH
1 2	7.7 7.9	7.5 7.5	7.7 7.8	7.7 7.7							6.7 6.7	6.6 6.6
3	7.8	7.4	7.8	7.7							6.8	6.7
4 5	7.7 7.8	7.5 7.5	7.8 7.8	7.7 7.7							6.9 6.9	6.8 6.8
6 7	7.8 7.8	7.5 7.5	7.7 7.9	7.7 7.7							6.8 6.6	6.3 6.5
8 9	7.8	7.5									6.6	6.5
10	7.7 7.7	7.5 7.5									6.6 6.7	6.5 6.6
11	7.7	7.5									6.7	6.7
12	7.7	7.5									6.8	6.7
13 14	7.7 7.6	7.5 7.4									6.8 6.9	6.8 6.8
15	7.5	7.3									6.9	6.8
16	7.5	7.4									6.9	6.9
17 18	7.5 7.5	7.4 7.4									7.0 7.1	6.9 7.0
19	7.5	7.4									7.1	7.1
20	7.5	7.3									7.1	6.9
21	7.5	7.3									6.9	6.9
22 23	7.5 7.6	7.4 7.4									6.9 6.9	6.9 6.8
24	7.6	7.5									6.9	6.8
25	7.6	7.5									6.9	6.9
26 27	7.5 7.6	7.5 7.5									7.0 7.0	6.9 6.9
28	7.6	7.5									7.0	6.9
29 30	7.7	7.6									7.1	7.0
31	7.7 7.7	7.6 7.6									7.0 6.9	6.9 6.9
MONTH	7.9	7.3									7.1	6.3
	API	RIL	MA	ΑY	JU	NE	JUI	LY	AUG	UST	SEPTE	MBER
1	API 6.9	RIL 6.8	MA 7.1	AY 7.0	JU]	NE 	JUI 7.1	7.0	AUG 6.9	UST 6.7	SEPTEI 7.7	MBER 7.4
2	6.9 6.9	6.8 6.8	7.1 7.0	7.0 6.9			7.1 7.1	7.0 7.0	6.9	6.7	7.7 7.5	7.4 7.3
	6.9	6.8	7.1	7.0			7.1	7.0	6.9	6.7	7.7	7.4
2 3	6.9 6.9 6.9	6.8 6.8 6.8	7.1 7.0 7.1	7.0 6.9 6.9			7.1 7.1 7.2	7.0 7.0 7.0	6.9 7.2	6.7 7.1	7.7 7.5 7.7	7.4 7.3 7.4
2 3 4 5	6.9 6.9 6.9 7.0 7.0	6.8 6.8 6.8 6.8 6.9	7.1 7.0 7.1 7.1 7.0 7.1	7.0 6.9 6.9 7.0 7.0	 		7.1 7.1 7.2 7.2 7.1	7.0 7.0 7.0 7.1 7.1	6.9 7.2 7.4 7.1	6.7 7.1 7.1 7.1 7.1	7.7 7.5 7.7 7.7 7.9	7.4 7.3 7.4 7.4 7.5
2 3 4 5	6.9 6.9 6.9 7.0 7.0	6.8 6.8 6.8 6.9	7.1 7.0 7.1 7.1 7.0	7.0 6.9 6.9 7.0 7.0 7.0	 	 	7.1 7.1 7.2 7.2 7.1	7.0 7.0 7.0 7.1 7.1 6.8	6.9 7.2 7.4 7.1 7.4 7.6	6.7 7.1 7.1 7.1	7.7 7.5 7.7 7.7 7.9	7.4 7.3 7.4 7.4 7.5
2 3 4 5 6 7 8 9	6.9 6.9 6.9 7.0 7.0 7.0 7.1 7.1	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 7.0 6.9 6.9	 		7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1	7.0 7.0 7.0 7.1 7.1 6.8 6.8 6.9	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2	7.4 7.3 7.4 7.4 7.5 7.5 7.5 7.1 7.1
2 3 4 5 6 7 8 9	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 7.0 6.9 6.9	 6.9		7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3	7.0 7.0 7.0 7.1 7.1 6.8 6.8 6.9 6.9	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3	7.4 7.3 7.4 7.4 7.5 7.5 7.5 7.1 7.1 7.2
2 3 4 5 6 7 8 9 10	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9	 6.9	 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2
2 3 4 5 6 7 8 9 10 11 12 13	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.1	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.9	 6.9 7.1 7.1 6.8	 6.7 6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 6.9 7.0 7.0	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.1 7.1	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.9 6.7 6.7	 6.9 7.1 6.8	 6.7 6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.1 7.1 7.1 7.2	7.7 7.5 7.7 7.7 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 7.0 6.8	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7	 6.9 7.1 7.1 6.8	 6.7 6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.1 7.1 7.1 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 6.8 6.8 6.9	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7 7.2	 6.9 7.1 6.8	 6.7 6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.1 7.1 7.1 7.1 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.6 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.9 6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 6.9	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.3	7.0 6.9 6.9 7.0 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0	 6.9 7.1 6.8 	6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.3	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.1 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.6 7.6 7.6 7.2 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.4 6.7
2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 6.8 6.8 6.9	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7 7.2	 6.9 7.1 6.8 	6.7 6.7 6.7	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.6 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	6.9 6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 6.8 6.9 6.9 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.8 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.3 7.2 7.0 6.9	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7	 6.9 7.1 7.1 6.8 	6.7 6.7 6.7 	7.1 7.1 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 8.0 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.6 7.6 7.6 7.2 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 6.9 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.0 6.9 6.9	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7 7.2 7.1 7.2 7.0 6.8 6.7	 6.9 7.1 7.1 6.8 	 6.7 6.7 6.7 	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.5	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.2 7.2	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 8.0 7.6 7.7	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 6.9 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.3 7.2 7.3 7.2 7.0 6.9 6.9 7.0	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7 7.2 7.1 7.2 7.0 6.8 6.7	6.9 7.1 7.1 6.8	6.7 6.7 6.7 	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.5 7.6	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.4 7.7	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1	7.4 7.3 7.4 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 6.9 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.0 6.9 6.9	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 6.7 7.2 7.1 7.2 7.0 6.8 6.7	 6.9 7.1 7.1 6.8 	 6.7 6.7 6.7 	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.5	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.2 7.2	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 8.0 7.6 7.7	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 6.9 7.0 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 7.0 7.0 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.3 7.2 7.3 7.2 7.0 6.9 7.0 7.1 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.7 6.8 6.7 6.9 6.9	6.9 7.1 7.1 6.8 7.3 7.2	 6.7 6.7 6.7 6.7 7.2 7.1	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.5 7.6 7.6 7.6 7.6 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.3 7.2 7.2	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.4 7.7 7.6 7.4 7.6	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.3	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6.9 6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 6.8 6.8 6.9 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.8 6.9 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.0 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.7 6.7 6.7 6.9 6.9	6.9 7.1 7.1 6.8	 6.7 6.7 6.7 6.7 7.2 7.1	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.6 7.6 7.6 7.4 7.4	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.2 7.3 7.2 7.3 7.2 7.3	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.4 7.7 7.6 7.4 7.6 8.0	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.6 7.2 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.3	7.4 7.3 7.4 7.4 7.5 7.5 7.5 7.1 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	6.9 6.9 7.0 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.8 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.8 6.9 6.9 6.9	6.9 7.1 6.8 7.3 7.2 7.2 7.3 7.2 7.3 7.3 7.2	 6.7 6.7 6.7 6.7 7.2 7.1 7.0 7.1 7.2	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.6 7.6 7.4 7.4 7.7	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.3 7.2 7.3 7.2 6.9 6.9 7.0	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.7 7.6 7.7 7.6 7.4 7.6 8.0 7.9 7.8	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.3	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0 7.1 7.2 7.1 7.2 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 7.0 7.0 6.9 6.8 6.9 6.9 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 6.8 7.2 7.3 7.2 7.0 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.2 7.3	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.8 6.9 6.9 6.9 6.9	6.9 7.1 6.8 7.3 7.2 7.2 7.2 7.3 7.3	 6.7 6.7 6.7 6.7 7.2 7.1 7.0 7.1 7.2 7.0	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.6 7.6 7.6 7.6 7.7 7.3 7.3	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.2 7.3 7.2 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.7 7.7 7.6 7.4 7.6 8.0 7.9 7.8 7.7 7.7 7.6 7.7 7.7 7.8	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.3 7.4 7.7	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0 7.1 7.2 7.1 7.2 7.3 7.3 7.3
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.8 6.9 6.9 7.0 7.0 7.0 7.1 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 6.8 7.2 7.3 7.2 7.0 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.2 6.9	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.8 6.9 6.9 6.9 6.9	6.9 7.1 7.1 6.8 7.3 7.2 7.2 7.2 7.2 7.3 7.3		7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.5 7.6 7.6 7.7 7.4 7.5 7.6 7.1 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	7.0 7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.3 7.2 7.3 7.2 7.3 7.0 6.9 6.9 6.9 6.9 6.9 6.7	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.4 7.7 7.6 7.4 7.6 8.0 7.9 7.8 7.7 7.6 7.4 7.6 8.0 7.9 7.8	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.9 7.6 7.6 7.6 7.2 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.2 7.3 7.4 7.4 7.4 7.5	7.4 7.3 7.4 7.5 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0 7.1 7.2 7.2 7.3 7.3 7.3 7.3 7.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	6.9 6.9 7.0 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.8 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.9 6.9 6.9 6.9 7.0 7.0 6.9 6.8 6.7 6.7 6.7 6.8 6.9 6.9 7.0 7.0 6.9 6.8 6.9 6.9 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.0 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.7 7.2 7.1 7.2 7.0 6.8 6.7 6.7 6.8 6.9 6.9 6.9 6.9	6.9 7.1 6.8 7.3 7.2 7.2 7.2 7.3 7.3	 6.7 6.7 6.7 6.7 7.2 7.1 7.0 7.1 7.2 7.0	7.1 7.1 7.2 7.2 7.2 7.1 6.9 6.9 7.1 7.3 7.3 7.4 7.4 7.4 7.4 7.5 7.6 7.6 7.6 7.6 7.6 7.7 7.3 7.3	7.0 7.0 7.0 7.1 7.1 7.1 6.8 6.8 6.9 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.3 7.2 7.3 7.2 6.9 6.9 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	6.9 7.2 7.4 7.1 7.4 7.6 7.8 7.9 8.0 7.9 7.3 7.4 7.5 7.8 8.0 8.0 8.0 7.6 7.7 7.7 7.6 7.4 7.6 8.0 7.9 7.8 7.7 7.7 7.6 7.7 7.7 7.8	6.7 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.7 7.5 7.7 7.7 7.9 7.9 7.6 7.6 7.2 7.3 7.3 7.4 7.7 7.9 8.0 7.5 7.4 6.9 7.0 7.1 7.2 7.2 7.2 7.2 7.3 7.4 7.7	7.4 7.3 7.4 7.4 7.5 7.5 7.5 7.1 7.2 7.3 7.3 7.3 7.3 7.3 7.4 6.7 6.9 7.0 7.1 7.2 7.1 7.2 7.3 7.3 7.3

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	NOVEMBE	R	D	ECEMBE			JANUARY	
1 2 3 4 5	16.7 15.8 15.2 15.1 15.1	15.6 14.9 14.0 14.4 14.4	16.2 15.3 14.6 14.7 14.7	14.4 14.6 14.7 14.8 15.0	13.4 13.6 13.7 13.8 14.5	13.8 14.1 14.2 14.3 14.8	7.1 6.6 6.0 6.0 6.3	6.6 6.2 5.8 5.8 6.0	6.8 6.2 5.8 5.9 6.2	5.3 6.2 8.1 10.7	4.9 5.2 6.2 10.5	5.1 5.5 7.0 10.6
6 7 8 9 10	15.8 16.1 16.4 16.6 16.6	14.6 14.8 15.2 15.6 16.2	15.0 15.4 15.7 16.1 16.4	15.0 15.0 15.0 13.6 12.5	14.9 14.6 13.6 12.5 12.0	14.9 14.9 14.3 13.0 12.2	6.4 6.3 6.0 5.8 6.2	6.3 6.0 5.6 5.5 5.6	6.4 6.2 5.8 5.6 5.9	10.6 7.8 5.0 3.8 3.2	7.8 5.0 3.8 3.2 2.8	9.6 6.3 4.2 3.4 3.0
11 12 13 14 15	17.4 17.6 17.9 17.7 17.3	16.4 16.8 17.1 17.1 16.3	16.8 17.2 17.5 17.6 16.8	12.2 12.3 12.3 11.0 10.4	11.9 12.0 11.0 10.3 10.1	12.0 12.1 11.6 10.5 10.3	6.3 6.6 6.3 5.3 5.3	6.0 6.3 5.3 5.0 4.8	6.1 6.4 5.6 5.1 5.0	2.8 2.6 2.7 3.1 3.5	2.3 2.4 2.3 2.5 3.1	2.6 2.5 2.5 2.7 3.3
16 17 18 19 20	16.7 16.3 16.3 15.9 15.9	15.9 15.8 15.6 14.9 14.8	16.3 16.0 15.8 15.4 15.3	10.2 10.9 12.1 13.8 13.8	10.0 10.1 10.9 12.1 12.1	10.1 10.4 11.3 12.9 12.9	6.1 6.3 6.2 5.8 5.1	5.1 5.9 5.8 5.1 4.2	5.5 6.1 6.0 5.5 4.7	3.4 3.8 4.5 4.6 4.4	3.0 3.2 3.8 4.3 3.7	3.2 3.5 4.1 4.5 4.0
21 22 23 24 25	15.9 15.9 15.3 15.0 15.0	14.9 15.1 14.5 13.9 13.8	15.4 15.4 14.9 14.4 14.4	11.9 	11.2 	11.6 	4.2 3.5 4.2 5.2 5.5	3.5 3.1 3.3 4.2 5.2	3.7 3.3 3.6 4.8 5.4	3.7 2.9 2.3 2.3 2.8	2.9 2.2 1.8 1.8 2.1	3.1 2.5 2.0 2.0 2.3
26 27 28 29 30 31	14.7 14.4 14.1 14.1 14.0 14.2	14.3 13.6 13.3 13.5 13.1 13.3	14.5 14.1 13.7 13.7 13.5 13.7	8.6 8.5 8.6 8.2 7.8	8.5 8.2 8.4 8.3 7.3	8.6 8.3 8.5 8.3 7.6	5.3 4.5 4.0 4.4 5.0 5.4	4.5 3.8 3.4 3.7 4.4 5.0	4.8 4.0 3.6 4.0 4.7 5.2	5.0 5.9 5.7 4.9 4.2 3.2	2.8 5.0 4.9 4.1 3.2 2.3	4.1 5.6 5.3 4.3 3.7 2.6
MONTH	17.0	13.1	15.4				7.1	3.1	5.3			
MONTH	17.9	13.1	13.4				7.1	3.1	3.3			
MONTH		FEBRUARY	Y		MARCH			APRIL	3.3		MAY	
1 2 3 4 5				6.9 8.0 8.8 10.3 11.3		6.8 7.4 8.1 9.5 10.6	12.2 11.1 10.6 10.8 11.0		11.6 10.5 10.1 10.3 10.5	17.0 16.9 15.7 14.1 14.3		16.4 16.4 15.1 13.6 13.6
1 2 3 4	2.3 2.5 2.8 3.3	2.0 2.0 2.5 2.7	2.2 2.2 2.6 3.0	6.9 8.0 8.8 10.3	MARCH 6.6 6.9 7.7 8.8	6.8 7.4 8.1 9.5	12.2 11.1 10.6 10.8	APRIL 11.1 10.1 9.5 9.8	11.6 10.5 10.1 10.3	17.0 16.9 15.7 14.1	MAY 15.9 15.7 14.1 13.2	16.4 16.4 15.1 13.6
1 2 3 4 5 6 7 8 9	2.3 2.5 2.8 3.3 4.7 7.6	2.0 2.0 2.5 2.7 3.1 4.7	2.2 2.2 2.6 3.0 3.6 6.4	6.9 8.0 8.8 10.3 11.3 12.0 11.4 10.4 9.0	MARCH 6.6 6.9 7.7 8.8 10.2 11.0 10.4 9.0 7.9	6.8 7.4 8.1 9.5 10.6 11.5 10.9 9.7 8.4	12.2 11.1 10.6 10.8 11.0 11.5 12.1 13.2 14.0	APRIL 11.1 10.1 9.5 9.8 10.0 10.1 10.8 11.8 12.6	11.6 10.5 10.1 10.3 10.5 10.8 11.4 12.4 13.2	17.0 16.9 15.7 14.1 14.3 15.5 17.1 18.3 19.4	MAY 15.9 15.7 14.1 13.2 12.9 14.0 15.4 16.4 17.7	16.4 16.4 15.1 13.6 13.6 14.8 16.2 17.3 18.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14	2.3 2.5 2.8 3.3 4.7 7.6 	2.0 2.0 2.5 2.7 3.1 4.7 	2.2 2.2 2.6 3.0 3.6 6.4 	6.9 8.0 8.8 10.3 11.3 12.0 11.4 10.4 9.0 8.0 7.5 7.1 7.4 7.5	MARCH 6.6 6.9 7.7 8.8 10.2 11.0 10.4 9.0 7.9 7.3 6.8 6.4 6.6 7.1	6.8 7.4 8.1 9.5 10.6 11.5 10.9 9.7 8.4 7.7 7.0 6.8 7.0 7.3	12.2 11.1 10.6 10.8 11.0 11.5 12.1 13.2 14.0 13.6 13.5 13.1 12.1 9.9	APRIL 11.1 10.1 9.5 9.8 10.0 10.1 10.8 11.8 12.6 13.2 13.1 12.1 9.8 9.2	11.6 10.5 10.1 10.3 10.5 10.8 11.4 12.4 13.2 13.4 13.3 12.7 11.0 9.5	17.0 16.9 15.7 14.1 14.3 15.5 17.1 18.3 19.4 19.8 20.7 21.1 20.5 21.0	MAY 15.9 15.7 14.1 13.2 12.9 14.0 15.4 16.4 17.7 18.6 19.6 20.0 19.4 19.7	16.4 16.4 15.1 13.6 13.6 14.8 16.2 17.3 18.5 19.2 20.0 20.4 19.9 20.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	2.3 2.5 2.8 3.3 4.7 7.6	2.0 2.0 2.5 2.7 3.1 4.7	2.2 2.2 2.6 3.0 3.6 6.4 	6.9 8.0 8.8 10.3 11.3 12.0 11.4 10.4 9.0 8.0 7.5 7.1 7.4 7.5 8.0 9.0 9.4 10.4 11.0	MARCH 6.6 6.9 7.7 8.8 10.2 11.0 10.4 9.0 7.9 7.3 6.8 6.4 6.6 7.1 7.2 8.0 8.9 9.3 9.9	6.8 7.4 8.1 9.5 10.6 11.5 10.9 9.7 8.4 7.7 7.0 6.8 7.0 7.3 7.6 8.5 9.1 9.9 10.4	12.2 11.1 10.6 10.8 11.0 11.5 12.1 13.2 14.0 13.6 13.5 13.1 12.1 9.9 10.3 11.8 13.4 15.1 15.8	APRIL 11.1 10.1 9.5 9.8 10.0 10.1 10.8 11.8 12.6 13.2 13.1 12.1 9.8 9.2 9.4 10.1 11.5 13.0 14.7	11.6 10.5 10.1 10.3 10.5 10.8 11.4 12.4 13.2 13.4 13.3 12.7 11.0 9.5 9.8 10.9 12.3 13.9 15.3	17.0 16.9 15.7 14.1 14.3 15.5 17.1 18.3 19.4 19.8 20.7 21.1 20.5 21.0 20.7 20.9 21.1 20.7 19.5	MAY 15.9 15.7 14.1 13.2 12.9 14.0 15.4 16.4 17.7 18.6 19.6 20.0 19.4 19.7 20.2 20.3 20.5 19.5 17.8	16.4 16.4 15.1 13.6 13.6 14.8 16.2 17.3 18.5 19.2 20.0 20.4 19.9 20.3 20.5 20.6 20.7 20.2 18.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2.3 2.5 2.8 3.3 4.7 7.6	FEBRUARY 2.0 2.0 2.5 2.7 3.1 4.7	2.2 2.2 2.6 3.0 3.6 6.4 	6.9 8.0 8.8 10.3 11.3 12.0 11.4 10.4 9.0 8.0 7.5 7.1 7.4 7.5 8.0 9.0 9.4 10.4 11.0 10.7 10.7 10.7 10.0 8.7 8.7 10.1 11.5 13.0 14.4 14.8	MARCH 6.6 6.9 7.7 8.8 10.2 11.0 10.4 9.0 7.9 7.3 6.8 6.4 6.6 7.1 7.2 8.0 8.9 9.3 9.9 9.8 10.0 8.7 7.7 7.5 8.4 10.1 11.4 12.6 13.9 13.7	6.8 7.4 8.1 9.5 10.6 11.5 10.9 9.7 8.4 7.7 7.0 6.8 7.0 7.3 7.6 8.5 9.1 9.9 10.4 10.3 10.3 9.5 8.1 8.1 9.2 10.7 12.3 13.4 14.4 14.2	12.2 11.1 10.6 10.8 11.0 11.5 12.1 13.2 14.0 13.6 13.5 13.1 12.1 9.9 10.3 11.8 13.4 15.1 15.8 16.4 16.9 17.5 17.4 18.1 18.4 18.1 16.7 15.9 15.9 16.5	APRIL 11.1 10.1 9.5 9.8 10.0 10.1 10.8 11.8 12.6 13.2 13.1 12.1 9.8 9.2 9.4 10.1 11.5 13.0 14.7 15.8 16.0 16.3 16.8 16.9 17.8 16.7 15.8 14.9 15.0 15.5	11.6 10.5 10.1 10.3 10.5 10.8 11.4 12.4 13.2 13.4 13.3 12.7 11.0 9.5 9.8 10.9 12.3 13.9 15.3 16.1 16.4 16.9 17.1 17.4 18.1 17.5 16.1 17.5 16.1 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17	17.0 16.9 15.7 14.1 14.3 15.5 17.1 18.3 19.4 19.8 20.7 21.1 20.5 21.0 20.7 20.9 21.1 20.7 21.9 21.1 20.7 20.9 21.1 20.6 21.2 22.3 22.6 23.5 23.3 23.1 22.6	MAY 15.9 15.7 14.1 13.2 12.9 14.0 15.4 16.4 17.7 18.6 19.6 20.0 19.4 19.7 20.2 20.3 20.5 19.5 17.8 17.8 19.0 20.1 20.5 21.2 21.8 22.5 22.0 21.8	16.4 16.4 15.1 13.6 13.6 14.8 16.2 17.3 18.5 19.2 20.0 20.4 19.9 20.3 20.5 20.6 20.7 20.2 18.6 18.4 19.7 20.6 21.4 21.9 22.6 22.9 22.5 22.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29	2.3 2.5 2.8 3.3 4.7 7.6	2.0 2.0 2.5 2.7 3.1 4.7	2.2 2.2 2.6 3.0 3.6 6.4 	6.9 8.0 8.8 10.3 11.3 12.0 11.4 10.4 9.0 8.0 7.5 7.1 7.4 7.5 8.0 9.0 9.4 10.4 11.0 10.7 10.7 10.7 10.0 8.7 10.1 11.5 13.0 14.4 14.8	MARCH 6.6 6.9 7.7 8.8 10.2 11.0 10.4 9.0 7.9 7.3 6.8 6.4 6.6 7.1 7.2 8.0 8.9 9.3 9.9 9.8 10.0 8.7 7.7 7.5 8.4 10.1 11.4 12.6 13.9	6.8 7.4 8.1 9.5 10.6 11.5 10.9 9.7 8.4 7.7 7.0 6.8 7.0 7.3 7.6 8.5 9.1 9.9 10.4 10.3 10.3 9.5 8.1 9.7 10.4 10.3 10.4 10.3 10.3 10.4 10.3 10.4 10.3 10.4 10.4 10.5 10.7 10.4 10.5 10.5 10.6 10.7	12.2 11.1 10.6 10.8 11.0 11.5 12.1 13.2 14.0 13.6 13.5 13.1 12.1 9.9 10.3 11.8 13.4 15.1 15.8 16.4 16.9 17.5 17.4 18.1 18.4 18.1 16.7 15.9 15.9	APRIL 11.1 10.1 9.5 9.8 10.0 10.1 10.8 11.8 12.6 13.2 13.1 12.1 9.8 9.2 9.4 10.1 11.5 13.0 14.7 15.8 16.0 16.3 16.8 16.9 17.8 16.7 15.8 14.9 15.0	11.6 10.5 10.1 10.3 10.5 10.8 11.4 12.4 13.2 13.4 13.3 12.7 11.0 9.5 9.8 10.9 12.3 13.9 15.3 16.1 16.4 16.9 17.1 17.4 18.1 17.5 16.1 15.4 15.5	17.0 16.9 15.7 14.1 14.3 15.5 17.1 18.3 19.4 19.8 20.7 21.1 20.5 21.0 20.7 20.7 21.1 20.5 19.5 19.1 20.6 21.2 22.3 22.6 23.3 23.1 22.6	MAY 15.9 15.7 14.1 13.2 12.9 14.0 15.4 16.4 17.7 18.6 19.6 20.0 19.4 19.7 20.2 20.3 20.5 19.5 17.8 17.8 19.0 20.1 20.5 21.2 21.8 22.5 22.0 21.8	16.4 16.4 15.1 13.6 13.6 14.8 16.2 17.3 18.5 19.2 20.0 20.4 19.9 20.3 20.5 20.6 20.7 20.2 18.6 18.4 19.7 20.6 21.4 21.9 22.6 22.9 22.5 22.2

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	SI	EPTEMBE	ER.
1 2 3 4 5	 	 	 	21.4 22.1 22.7 23.4 23.3	20.8 21.3 21.5 22.3 23.1	21.2 21.6 22.0 22.8 23.2	21.6 24.0 24.9 24.3	20.8 23.4 23.3 23.8	21.1 23.6 24.0 24.0	25.7 25.2 25.4 25.1 25.9	24.6 24.6 24.3 24.5 24.4	25.1 24.8 24.8 24.8 25.0
6 7 8 9 10	 21.4	 20.7	21.2	22.5 23.1 24.3 25.1	22.1 21.7 22.7 23.7	22.3 22.3 23.4 24.4	24.4 24.3 24.4 24.4 25.1	23.0 22.4 22.6 22.9 23.1	23.6 23.3 23.4 23.6 24.1	26.2 25.8 24.6 20.6 20.4	24.4 24.6 20.6 19.8 19.6	25.3 25.1 23.4 20.0 19.9
11 12 13 14 15	22.5 23.5 21.6	20.7 20.6 21.1 	21.2 22.4 21.3	25.7 26.1 27.0 26.8 27.1	24.2 24.9 25.2 25.5 25.5	24.9 25.5 25.8 26.1 26.3	25.4 24.8 23.1 23.1 23.0	23.7 22.9 22.2 21.9 21.4	24.5 23.7 22.7 22.5 22.1	20.8 21.5 22.3 23.0 23.0	19.9 20.7 21.1 21.5 21.8	20.3 21.0 21.6 22.1 22.4
16 17 18 19 20	 	 	 	27.0 26.5 26.3 26.2 26.8	25.3 25.5 25.1 24.8 24.9	26.1 26.0 25.7 25.5 25.8	23.4 24.0 24.7 25.6 24.8	21.6 21.9 22.4 23.4 24.1	22.4 22.9 23.5 24.3 24.4	22.6 22.4 19.2 18.4 18.1	22.4 19.2 18.4 17.7 17.2	22.5 20.3 18.6 18.0 17.6
21 22 23 24 25	 24.8 24.4	 24.1 24.1	24.6 24.3	27.4 26.8 27.3 27.6 26.9	25.5 25.9 25.5 26.3 25.9	26.3 26.4 26.3 26.8 26.4	24.3 24.4 24.8 24.5 24.3	23.1 23.0 23.4 23.6 23.4	23.7 23.6 24.1 23.9 23.8	18.0 18.3 18.8 19.6 20.3	17.1 17.5 17.7 18.4 19.0	17.6 17.9 18.2 18.9 19.5
26 27 28 29 30 31	24.1 20.8 20.9 21.8 21.9	20.3 19.9 20.2 20.4 21.2	22.2 20.3 20.5 21.0 21.5	26.7 25.5 22.4 23.1 23.9 23.5	25.5 22.2 21.3 21.8 22.5 21.2	26.1 23.5 21.9 22.4 23.1 22.6	25.2 26.0 26.4 26.3 26.0 26.2	23.8 24.4 25.0 25.3 25.3 25.0	24.4 25.1 25.6 25.8 25.6 25.5	20.7 20.7 20.6 20.4 19.9	19.4 20.0 20.4 19.7 19.2	20.0 20.3 20.5 20.0 19.5
MONTH							26.4	20.8	23.8	26.2	17.1	21.7
YEAR												

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN		MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBE	R	D	ECEMBE	R		JANUARY	•
1 2 3 4 5	9.5 9.8 9.7 9.7 9.8	9.1 8.9 9.1 9.0 8.9	9.3 9.3 9.4 9.3 9.4	9.6 9.5 9.8 9.8 9.6	8.6 8.6 8.4 8.8 8.7	9.0 9.0 9.0 9.2 9.1	11.6 11.9 11.8 12.1	11.2 11.5 11.5 11.4	11.5 11.8 11.8 11.6	13.8 13.8 13.2	13.2 13.2 12.5	13.6 13.6 13.0
6 7 8 9 10	9.8 9.8 9.8 9.7 9.5	9.3 9.2 9.1 8.8 8.8	9.5 9.5 9.4 9.3 9.1	10.1 10.1 12.2 12.4 12.6	8.8 9.8 10.1 12.1 12.2	9.6 9.9 11.7 12.3 12.4	12.2 12.7 13.1 13.2 13.0	11.8 12.2 12.6 12.8 12.5	12.1 12.5 12.9 13.0 12.7	12.5 13.6 14.2 14.3 14.4	11.2 12.5 13.5 13.8 13.8	11.7 13.0 13.9 14.2 14.2
11 12 13 14 15	9.4 9.1 8.9 8.7 9.2	8.7 8.5 8.3 8.2 8.2	9.0 8.8 8.7 8.5 8.6	12.4 12.1 11.6 12.8 12.6	11.7 11.2 11.1 11.4 11.9	12.2 11.5 11.3 12.2 12.3	12.7 12.5 12.8 12.9 13.6	12.4 12.2 12.2 12.6 12.7	12.5 12.3 12.5 12.7 13.3	14.5 14.4 14.5 14.3 13.9	14.0 14.0 14.1 13.8 13.5	14.3 14.2 14.3 14.1 13.7
16 17 18 19 20	9.2 8.9 9.1 9.2 9.5	8.4 8.5 8.5 8.6 8.7	8.8 8.8 8.9 9.0	12.4 12.4 12.8 11.9 11.8	12.1 12.1 11.8 10.8 10.5	12.2 12.3 12.3 11.3 11.2	13.6 13.2 13.2 13.4 13.9	13.0 12.9 12.8 13.1 13.2	13.4 13.1 13.1 13.2 13.6	13.9 13.7 13.4 13.4 13.8	13.5 13.4 12.8 12.9 13.4	13.7 13.6 13.2 13.1 13.6
21 22 23 24 25	9.8 9.4 9.2 9.1 8.9	8.8 8.5 8.2 8.4 8.1	9.2 8.9 8.8 8.7 8.5	12.0 	11.2 	11.6 	14.4 14.5 14.4 14.0 14.2	13.8 14.1 13.8 13.5 13.4	14.1 14.3 14.1 13.8 13.8	14.4 14.7 14.9 14.9 14.6	13.8 14.1 14.1 14.3 13.8	14.1 14.4 14.6 14.6 14.3
26 27 28 29 30 31	8.7 9.3 9.1 9.2 9.2 9.3	7.8 8.2 8.5 8.5 8.5 8.6	8.3 8.8 8.9 8.9 8.9 9.0	11.4 11.3 11.2 11.4 11.3	11.2 11.0 10.8 10.8 11.1	11.3 11.2 11.0 11.2 11.2	14.2 14.4 14.6 14.4 14.3 13.8	13.6 14.1 14.3 14.0 13.7 13.4	14.0 14.3 14.5 14.2 13.9 13.6	14.2 13.3 13.1 13.4 13.8 14.2	13.2 12.5 12.6 12.8 13.1 13.1	13.6 12.8 12.9 13.2 13.4 13.8
	9.8	7.8	9.0									
MONTH	9.8	7.0	9.0									
MONTH		FEBRUARY			MARCH			APRIL			MAY	
MONTH 1 2 3 4 5				11.6 11.6 11.2 10.7		11.6 11.4 11.0 10.5	10.4 10.6 10.8 10.7 10.5		10.1 10.3 10.5 10.4 10.3	8.9 8.7 9.2 9.4 9.4		8.8 8.6 8.9 9.3 9.3
1 2 3 4	14.5 14.4 14.3 14.2	13.8 13.7 13.8 13.7	14.1 14.2 14.1 14.0	11.6 11.6 11.2	MARCH 11.5 11.2 10.7	11.6 11.4 11.0	10.4 10.6 10.8 10.7	9.9 10.1 10.3 10.2	10.1 10.3 10.5 10.4	8.9 8.7 9.2 9.4	8.6 8.4 8.6 9.2	8.8 8.6 8.9 9.3
1 2 3 4 5 6 7 8 9	14.5 14.4 14.3 14.2 14.2	13.8 13.7 13.8 13.7 13.4 12.8	14.1 14.2 14.1 14.0 13.8 13.7	11.6 11.6 11.2 10.7 11.1 11.2 11.2	MARCH 11.5 11.2 10.7 10.2 9.1 10.7 10.8 11.1	11.6 11.4 11.0 10.5 10.6 10.9 11.0 11.3	10.4 10.6 10.8 10.7 10.5 10.4 10.2 9.9 9.7	9.9 10.1 10.3 10.2 10.1 10.1 9.8 9.6 9.3	10.1 10.3 10.5 10.4 10.3 10.0 9.8 9.5	8.9 8.7 9.2 9.4 9.2 8.8 8.5 8.1	8.6 8.4 8.6 9.2 9.0 8.8 8.4 8.1 7.6	8.8 8.6 8.9 9.3 9.3 9.0 8.6 8.3 7.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14	14.5 14.4 14.3 14.2 14.2	13.8 13.7 13.8 13.7 13.4 12.8	14.1 14.2 14.1 14.0 13.8 13.7	11.6 11.6 11.2 10.7 11.1 11.2 11.2 11.4 11.8 11.9 12.0 11.9 11.8	MARCH 11.5 11.2 10.7 10.2 9.1 10.7 10.8 11.1 11.4 11.6 11.6 11.6 11.6 11.6	11.6 11.4 11.0 10.5 10.6 10.9 11.0 11.3 11.6 11.8 11.8 11.8	10.4 10.6 10.8 10.7 10.5 10.4 10.2 9.9 9.7 9.4 9.5 10.9	APRIL 9.9 10.1 10.3 10.2 10.1 10.1 9.8 9.6 9.3 9.2 9.1 9.1 9.4 10.8	10.1 10.3 10.5 10.4 10.3 10.0 9.8 9.5 9.3 9.3 10 11.1	8.9 8.7 9.2 9.4 9.4 9.2 8.8 8.5 8.1 8.2 8.5 8.2 7.9 8.4	MAY 8.6 8.4 8.6 9.2 9.0 8.8 8.4 8.1 7.6 7.6 8.1 7.9 7.7	8.8 8.6 8.9 9.3 9.3 9.0 8.6 8.3 7.9 7.9 8.3 8.0 7.8 8.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	14.5 14.4 14.3 14.2 14.2 14.0 	13.8 13.7 13.8 13.7 13.4 12.8	14.1 14.2 14.1 14.0 13.8 13.7 	11.6 11.6 11.2 10.7 11.1 11.2 11.2 11.4 11.8 11.9 12.0 11.9 11.8 11.6	MARCH 11.5 11.2 10.7 10.2 9.1 10.7 10.8 11.1 11.4 11.6 11.6 11.6 11.3 10.9 10.8 10.6 10.4	11.6 11.4 11.0 10.5 10.6 10.9 11.0 11.3 11.6 11.8 11.8 11.7 11.5 11.2 10.9 10.8 10.6	10.4 10.6 10.8 10.7 10.5 10.4 10.2 9.9 9.7 9.4 9.5 10.9 11.2 11.2 10.9 10.6 10.1 9.7	9.9 10.1 10.3 10.2 10.1 10.1 9.8 9.6 9.3 9.2 9.1 9.1 9.4 10.8 10.9 10.3 10.0 9.6 9.3	10.1 10.3 10.5 10.4 10.3 10.0 9.8 9.5 9.3 9.3 10 11.1 10.7 10.3 10.0 9.6	8.9 8.7 9.2 9.4 9.2 8.8 8.5 8.1 8.2 7.9 8.4 8.3 8.3 8.3 8.3	8.6 8.4 8.6 9.2 9.0 8.8 8.4 8.1 7.6 7.6 8.1 7.9 7.7 7.9 8.0 7.9 8.0 8.3	8.8 8.6 8.9 9.3 9.0 8.6 8.3 7.9 7.9 8.3 8.0 7.8 8.0 8.1 8.1 8.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	14.5 14.4 14.3 14.2 14.2 14.0	FEBRUARY 13.8 13.7 13.4 12.8	14.1 14.2 14.1 14.0 13.8 13.7	11.6 11.6 11.2 10.7 11.1 11.2 11.4 11.8 11.9 12.0 11.9 11.8 11.6 11.3 11.0 10.9 10.8 10.8 11.0 11.3 11.4 11.0 10.9 10.8 10.8	MARCH 11.5 11.2 10.7 10.2 9.1 10.7 10.8 11.1 11.4 11.6 11.6 11.3 10.9 10.8 10.4 10.4 11.4 11.0 11.2 11.2 10.8 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4	11.6 11.4 11.0 10.5 10.6 10.9 11.0 11.3 11.6 11.8 11.8 11.7 11.5 11.2 10.9 10.8 10.7 10.7 11.1 11.5 11.2 10.9 10.8 10.6 10.7	10.4 10.6 10.8 10.7 10.5 10.4 10.2 9.9 9.7 9.4 9.5 10.9 11.2 11.2 10.9 10.6 10.1 9.7 9.4 9.2 9.1 8.9 8.7 8.6 8.7 9.3 9.3 9.3	APRIL 9.9 10.1 10.3 10.2 10.1 10.1 9.8 9.6 9.3 9.2 9.1 9.1 9.4 10.8 10.9 10.3 10.0 9.6 9.3 9.1 8.9 8.8 8.6 8.5 8.4 8.3 8.7 8.8 9.0 8.8	10.1 10.3 10.5 10.4 10.3 10.0 9.8 9.5 9.3 9.3 10 11.1 11.1 10.7 10.3 10.0 9.6 9.2 9.0 8.7 8.6 8.5 8.5 8.5 8.5	8.9 8.7 9.2 9.4 9.4 9.2 8.8 8.5 8.1 8.2 7.9 8.4 8.3 8.3 8.3 8.3 8.3 8.7 8.9 8.0 7.9 8.0 7.7 8.0 7.6 	8.6 8.4 8.6 9.2 9.0 8.8 8.4 8.1 7.6 7.7 7.7 7.9 8.0 7.9 8.0 8.3 8.3 7.6 7.4 7.4 7.2	8.8 8.6 8.9 9.3 9.0 8.6 8.3 7.9 7.9 8.3 8.0 7.8 8.0 8.1 8.1 8.1 8.5 8.5 8.7 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	14.5 14.4 14.3 14.2 14.0	13.8 13.7 13.8 13.7 13.4 12.8	14.1 14.2 14.1 14.0 13.8 13.7 	11.6 11.6 11.2 10.7 11.1 11.2 11.2 11.4 11.8 11.9 12.0 11.9 11.8 11.6 11.3 11.0 10.9 10.8 10.8 11.0 11.3 11.6 11.7 11.4 10.9 10.4 10.0 9.5	MARCH 11.5 11.2 10.7 10.2 9.1 10.7 10.8 11.1 11.4 11.6 11.6 11.6 11.3 10.9 10.8 10.4 10.4 10.4 11.0 11.2 11.2 10.8 10.4 9.9 9.4 9.2	11.6 11.4 11.0 10.5 10.6 10.9 11.0 11.3 11.6 11.8 11.8 11.7 11.5 11.2 10.9 10.8 10.6 10.7 11.1 11.5 11.5 11.2 10.6 10.7	10.4 10.6 10.8 10.7 10.5 10.4 10.2 9.9 9.7 9.4 9.5 10.9 11.2 11.2 10.9 10.6 10.1 9.7 9.4 9.5 8.7 8.6 8.7 9.0 9.3 9.3	APRIL 9.9 10.1 10.3 10.2 10.1 10.1 9.8 9.6 9.3 9.2 9.1 9.1 9.4 10.8 10.9 10.3 10.0 9.6 9.3 9.1 8.9 8.8 8.6 8.5 8.4 8.3 8.7 8.8 9.0	10.1 10.3 10.5 10.4 10.3 10.0 9.8 9.5 9.3 9.3 10 11.1 11.1 10.7 10.0 9.6 9.2 9.0 8.9 8.7 8.6 8.5 8.5 8.5 8.5	8.9 8.7 9.2 9.4 9.2 8.8 8.5 8.1 8.2 7.9 8.4 8.3 8.3 8.3 8.3 8.3 8.7 8.3 8.7 8.9 8.0 7.8 7.7 8.0 7.6	8.6 8.4 8.6 9.2 9.0 8.8 8.4 8.1 7.6 7.7 7.7 7.7 7.9 8.0 7.7 7.7 7.9 8.0 8.3 8.3 8.3 7.6 7.4 7.4 7.2	8.8 8.6 8.9 9.3 9.0 8.6 8.3 7.9 7.9 8.3 8.0 7.8 8.0 8.1 8.1 8.1 8.5 8.5 8.7 7.7 7.5 7.4 7.7 7.5

03410500 SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	ı	SI	EPTEMBE	ER
1 2 3 4 5	 	 	 	7.0 7.0 7.2 7.0 6.5	6.5 6.5 6.4 6.4 6.3	6.7 6.8 6.8 6.7 6.4	7.4 7.7 7.9 7.6	6.8 7.5 7.5 7.3	7.1 7.6 7.7 7.5	7.6 7.3 7.6 7.6 7.6	7.1 7.0 7.0 7.2 7.1	7.2 7.1 7.3 7.4 7.3
6 7 8 9 10	 	 	 	6.4 6.9 6.8 6.8	6.1 6.1 6.5 6.4	6.3 6.4 6.6 6.6	8.2 8.3 8.3 8.4 8.1	7.5 7.9 7.8 7.7 7.4	7.9 8.1 8.0 8.0 7.7	7.5 7.0 8.3 8.9 9.0	6.9 6.7 6.8 8.3 8.5	7.2 6.8 7.3 8.6 8.8
11 12 13 14 15	 	 	 	6.6 6.2 5.9 6.5 6.6	6.0 5.6 5.4 5.4 6.1	6.3 5.9 5.6 6.0 6.3	7.8 7.7 8.4 8.5 8.4	7.1 7.2 7.6 7.9 7.8	7.5 7.5 8.0 8.2 8.1	8.8 8.4 8.4 8.3 8.5	8.4 8.3 8.0 7.8 7.7	8.7 8.3 8.2 8.0 8.0
16 17 18 19 20	 	 	 	6.7 6.3 6.6 6.8 7.1	6.2 6.0 6.0 6.1 6.4	6.4 6.2 6.3 6.4 6.7	8.4 8.3 8.1 7.7 7.3	7.9 7.7 7.5 7.0 6.8	8.1 8.0 7.8 7.3 7.0	8.0 9.4 9.7 9.3 9.2	7.6 7.6 9.3 9.1 8.9	7.8 8.6 9.5 9.2 9.1
21 22 23 24 25	7.2 7.0	 6.8 6.6	7.1 6.7	6.9 6.5 6.8 6.8 6.5	6.3 6.1 5.9 5.9 6.0	6.6 6.4 6.3 6.3 6.2	7.6 7.9 7.9 7.7 7.7	6.7 7.1 7.2 7.3 7.2	7.1 7.4 7.5 7.5 7.5	9.2 9.0 9.0 8.8 8.6	8.8 8.8 8.6 8.5 8.3	9.0 8.8 8.9 8.7 8.5
26 27 28 29 30 31	7.8 7.6 7.3 7.2 7.0	6.6 7.2 7.0 6.9 6.6	7.3 7.4 7.2 7.1 6.7	6.6 7.2 7.2 6.9 6.7 7.2	6.2 6.5 6.8 6.4 6.2 5.5	6.3 6.9 7.0 6.7 6.4 6.1	7.7 7.8 7.7 7.6 7.4 7.5	7.3 7.3 7.2 6.9 7.0 6.9	7.5 7.5 7.4 7.3 7.2 7.2	8.5 8.4 8.2 8.2 8.5	8.2 8.1 7.9 7.9 7.9	8.4 8.2 8.1 8.0 8.2
MONTH										9.7	6.7	8.2
YEAR												

THIS PAGE IS INTENTIONALLY BLANK.

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY

LOCATION.--Lat 36°43'32", long 84°32'38", McCreary County, Hydrologic Unit 05130104, on left bank 200 ft upstream of bridge on State Highway 92 at Yamacraw, 700 feet upstream from Wolf Creek, 0.6 mile downstream from Rock Creek, and at mile 40.3.

DRAINAGE AREA.--1,083 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to September 30, 2000, October 1, 2002 to current year.

 $GAGE.-Water-stage\ recorder\ with\ telemetry.\ Datum\ of\ gage\ is\ 711.166\ ft\ above\ NGVD\ of\ 1929.$

REMARKS .-- Records poor.

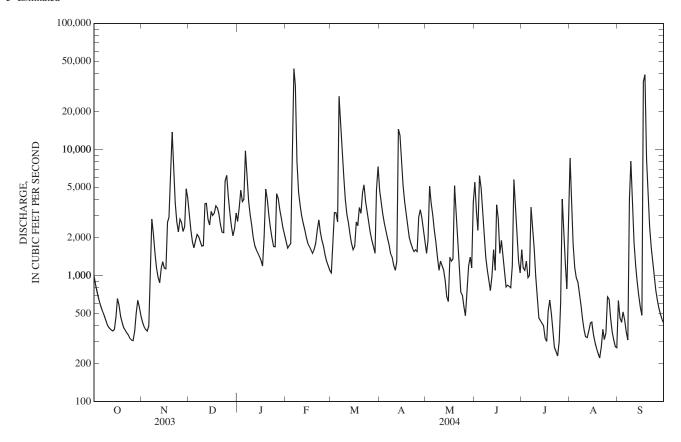
COOPERATION .-- Kentucky Natural Resources and Environmental Protection Cabinet.

DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	992	429	3.050	2,690	e1.850	e1.050	e4.710	e1.500	e5.500	e1.600	8,500	634
2	837	395	2,290	3,450	e1,650	e1,820	e3,750	e1,900	e3,190	e1,150	3,210	461
3	732	375	1,830	4,750	e1,720	e3,150	e3,100	e5,100	e2,280	e1,100	1,770	425
4	652	362	1,660	3,840	1,790	e3,150	e2,600	e3,740	e6,200	e1,300	1,160	515
5	586	398	1,890	4,010	6,420	e2,670	e2,260	e3,000	e4,950	e960	957	446
6	539	937	2,120	9,750	43,800	26,400	e1,970	e2,310	e3,190	e1,000	885	358
7	500	2,800	2,030	5,810	32,100	e17,900	e1,740	e1,850	e2,130	e3,480	726	308
8	461	2,120	1,870	3,890	e8,000	e11,000	e1,500	e1,400	e1,400	e2,310	586	4,050
9	424	1,490	1,710	3,070	e4,600	e5,990	e1.400	e1,100	e1,100	e1,620	451	8,070
10	396	1,160	1,730	2,510	e3,600	e4,040	e1,200	e1,300	e900	e1,000	368	3,280
11	380	967	3,720	1,990	e3,000	e3,060	e1,100	e1,200	e760	e700	326	1,800
12	371	877	3,740	1,720	e2,600	e2,600	e1,300	e1,100	e1,000	e460	322	1,200
13	364	1,150	2,800	1,610	e2,300	e2,100	14,500	e900	e1,600	e440	364	903
14	373	1,290	2,520	1,510	e2,000	e1,800	e12,900	e680	e1,100	e420	419	695
15	472	1,140	3,230	1,420	e1,800	e1,600	e8,340	e620	e3,640	e400	427	563
16	657	1,130	2,990	1,310	e1,700	e1,700	e5,220	e1,400	e2,850	e320	341	482
17	e580	2,640	3,110	1,190	e1,600	e2,660	e3,860	e1,300	e1,500	e300	295	34,400
18	e473	2,890	3,580	2,060	e1,500	e2,490	e3.030	e1,350	e1,900	e520	262	39,200
19	e421	7,100	3,430	4,850	e1,600	e3,460	e2,400	e5,150	e1,500	e640	241	8,400
20	385	13,800	3,090	3,990	e1,800	e3,120	e2,000	e2,780	e1,100	e500	222	4,050
21	369	6,380	2,530	2,950	e2,300	e4,550	e1,800	e1,730	e810	e360	271	2,460
22	350	3,800	2,210	2,390	e2,760	e5,240	e1,650	e1,100	e840	e270	374	1,680
23	337	2,670	2,180	1,990	e2,220	e3,870	e1,550	e740	e820	e250	311	1,250
24	317	2,220	5,600	1,700	e1,910	e3,240	e1,600	e700	e800	e230	350	947
25	307	2,810	6,230	1,690	e1,700	e2,660	e1,550	e560	e1,200	e300	679	761
26	305	2,660	4,220	4,450	e1,450	e2,200	e2,910	e480	e5,780	602	648	634
27	364	2,230	3,110	4,090	e1,300	e1,900	e3,320	e800	e3,310	4,050	464	544
28	498	2,430	2,480	3,310	e1,200	e1,700	e2,910	e1,200	e2,230	2,370	358	488
29	635	4,880	2,070	e2,820	e1,100	e1,500	e2,310	e1,400	e1,300	1,210	308	449
30	561	4,130	2,370	e2,400		e4,780	e1,850	e1,150	e1,050	783	272	420
31	479		3,140	e2,100		e7,310		e3,790		2,740	268	
TOTAL	15,117	77,660	88,530	95,310	141,370	140,710	100,330	53,330	65,930	33,385	26,135	119,873
MEAN	488	2,589	2,856	3,075	4,875	4,539	3,344	1,720	2,198	1,077	843	3,996
MAX	992	13,800	6,230	9,750	43,800	26,400	14,500	5,150	6,200	4,050	8,500	39,200
MIN	305	362	1,660	1,190	1,100	1,050	1,100	480	760	230	222	308
CFSM	0.45	2.39	2.64	2.84	4.50	4.19	3.09	1.59	2.03	0.99	0.78	3.69
IN.	0.52	2.67	3.04	3.27	4.86	4.83	3.45	1.83	2.26	1.15	0.90	4.12
STATIST	TICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1999 - 2004	, BY WATE	R YEAR (W	/Y)			
MEAN	311	1,520	2,679	1,671	4,927	2,812	4,790	2,681	1,872	1,023	510	1,857
MAX	488	2,589	4,877	3,075	7,876	4,539	6,502	4,448	2,696	2,092	843	3,996
(WY)	(2004)	(2004)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)	(1999)	(2004)	(2004)
MIN	75.6	137	305	959	2,131	1,394	3,344	1,720	718	255	180	40.3
(WY)	(2000)	(2000)	(2000)	(2003)	(2000)	(2003)	(2004)	(2004)	(2000)	(2000)	(1999)	(1999)

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALE	ENDAR YEAR	FOR 2004 WA	TER YEAR	WATER YEARS	5 1999 - 2004
ANNUAL TOTAL	1,033,199		957,680			
ANNUAL MEAN	2,831		2,617		2,229	
HIGHEST ANNUAL MEAN					2,930	2003
LOWEST ANNUAL MEAN					1,143	2000
HIGHEST DAILY MEAN	35,300	Feb 16	43,800	Feb 6	43,800	Feb 6, 2004
LOWEST DAILY MEAN	154	Aug 29	222	Aug 20	25	Sep 27, 1999
ANNUAL SEVEN-DAY MINIMUM	187	Aug 24	282	Aug 17	25	Sep 26, 1999
MAXIMUM PEAK FLOW			74,800	Sep 17	74,800	Sep 17, 2004
MAXIMUM PEAK STAGE			33.46	Sep 17	33.46	Sep 17, 2004
ANNUAL RUNOFF (CFSM)	2.61		2.42	•	2.06	
ANNUAL RUNOFF (INCHES)	35.49		32.90		27.97	
10 PERCENT EXCEEDS	6,000		4,720		4,560	
50 PERCENT EXCEEDS	1,300		1,670		1,050	
90 PERCENT EXCEEDS	380		374		150	



03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY-Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD .-- Oct. 1, 2002 to current water year.

INSTRUMENTATION.--Four parameter water-quality monitor with telemetry since Oct. 1, 2002.

REMARKS .--

SPECIFIC CONDUCTANCE.--Records rated good except the following periods: Nov. 21-25, Aug.15-22 rated fair; Aug. 23-Sep.22 rated poor. pH.--Records rated good.

WATER TEMPERATURE .-- Records rated good

DISSOLVED OXYGEN.--Records rated good expect the following periods: Oct. 20-30, Nov. 13-Dec. 26, Jan. 14-26, and Mar. 17-Apr. 12 rated poor.

EXTREMES FOR CURRENT YEAR .--

SPECIFIC CONDUCTANCE.--Maximum recorded, 421 microsiemens, Mar 16; minimum recorded 27 microsiemens, Sep. 18.

pH.--Maximum 7.7 units, Jul. 27; minimum recorded, 6.7 units, June 10-19.

WATER TEMPERATURE.--Maximum recorded, 28.8°C, Aug. 27; minimum recorded, 1.2°C, Jan. 23-24.

DISSOLVED OXYGEN.--Maximum recorded, 15.0 mg/L, Nov. 26; minimum recorded, 4.7 mg/L, Aug. 30-31.

COOPERATION .-- Environmental and Public Protection Cabinet.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	(ОСТОВЕН	₹	N	OVEMBE	ER	D	ECEMBE	ER	J	ANUARY	Y
1 2 3 4 5	117 118 120 120 120	113 114 116 118 116	116 116 117 118 118	146 143 143 146 147	142 141 142 143 145	144 142 142 144 146	93 89 88 89 90	87 86 87 88 89	90 87 87 88 89	95 95 90 89 88	92 86 86 86 84	93 90 88 87 86
6 7 8 9 10	121 121 123 123 126	118 118 119 119 121	119 119 120 121 122	145 155 159 139 134	133 127 139 134 115	142 134 151 136 125	94 95 99 101 102	90 94 94 99 96	92 95 97 100 100	112 90 82 83 86	78 80 80 82 83	95 82 81 83 85
11 12 13 14 15	128 130 130 130 129	121 123 124 126 125	124 126 126 128 127	115 106 101 96 92	106 101 96 92 90	109 103 99 94 91	98 113 106 92 93	92 98 92 88 88	94 110 97 90 89	91 95 95 97 98	86 91 93 94 97	88 93 94 96 97
16 17 18 19 20	126 121 137	121 120 133	124 121 135	96 104 106 93 105	92 96 90 78 92	94 99 100 85 99	94 94 94 94 91	92 92 91 89 89	93 93 92 91 90	100 101 106 94 98	98 99 88 84 89	98 100 99 88 94
21 22 23 24 25	142 153 156 156 157	136 142 150 154 154	139 147 154 156 156	98 97 102 108 112	90 91 95 102 99	92 95 98 105 107	94 92 89 88 90	91 89 88 80 86	93 90 89 84 88	93 93 89 89	89 89 87 87 88	91 92 88 88 89
26 27 28 29 30 31	155 148 146 141 141 146	148 144 140 139 140 141	150 146 142 140 140 144	100 99 99 96 98	94 94 87 84 93	97 97 95 87 96	89 88 86 87 89 95	87 85 85 85 87 88	88 86 85 86 88 91	 	 	
MONTH				159	78	112	113	80	91			

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	I	FEBRUAR	Y		MARCH			APRIL			MAY	
1 2 3 4 5	 	 	 	124 128 127 152 152	122 124 122 126 129	123 127 125 142 140	82 82 82 84 87	79 81 80 81 84	80 81 81 83 86	104 103 119 122 112	101 96 88 111 96	102 102 96 115 103
6 7 8 9 10	 	 	 	130 164 246 326 339	66 86 136 246 315	84 112 208 286 330	90 93 95 98 101	87 90 93 94 98	89 92 94 96 99	98 97 99 102 103	94 95 97 99 102	95 96 98 100 102
11 12 13 14 15	 	 	 	329 321 348 381 411	301 303 321 348 381	315 311 335 365 396	103 106 102 100 75	101 102 82 74 73	102 104 92 84 74	109 113 113 92 89	102 109 92 73 83	106 111 103 84 78
16 17 18 19 20	 126 120	 121 116	 123 118	421 102 118 140 132	100 100 101 118 108	239 100 107 131 116	78 82 84 87 89	73 78 82 84 87	75 79 83 85 88	95 104 116 104 62	81 95 103 61 52	93 98 110 72 55
21 22 23 24 25	125 140 140 136 130	117 125 136 129 122	120 134 139 133 126	108 95 92 87 88	95 92 87 86 86	102 94 89 86 87	92 94 99 101 101	88 91 94 97 97	91 93 97 99 98	56 61 69 	52 55 66 	53 57 68
26 27 28 29 30 31	122 122 123 123 	120 120 119 120 	121 120 121 122 	91 94 98 100 100 84	88 91 94 77 77 77	90 92 96 96 89 80	104 104 94 98 102	99 85 85 94 97	101 92 90 96 99	97 92 90 97 115	83 84 83 90 93	87 88 86 92 103
				421		164	106	73	00			
MONTH				421	66	104	100	13	90			
MONTH		JUNE		421	JULY	104		AUGUST			EPTEMBE	
MONTH 1 2 3 4 5	110 104 99 95 75		103 101 97 84 71	116 		108						
1 2 3 4	110 104 99 95	JUNE 91 99 95 69	103 101 97 84	116 	JULY 103 	108 	156 179 84 84	70 70 70 82 80	118 121 82 82	192 181 133 113	181 133 112 103	188 150 118 106
1 2 3 4 5 6 7 8 9	110 104 99 95 75 84 87 92 90	JUNE 91 99 95 69 66 73 83 87 86	103 101 97 84 71 80 85 90 88	116 96 83 81	JULY 103 85 74 74	108 89 77 77	156 179 84 84 88 87 84 84 88	70 70 82 80 82 82 80 82 82 83	118 121 82 82 85 85 85 82 83 85	192 181 133 113 118 137 140 145 147	181 133 112 103 104 116 134 98 114	188 150 118 106 111 128 138 133 124
1 2 3 4 5 6 7 8 9 10 11 12 13 14	110 104 99 95 75 84 87 92 90 91 93 99 99 88	JUNE 91 99 95 69 66 73 83 87 86 87 90 92 80 79	103 101 97 84 71 80 85 90 88 88 91 94 84 83	116 96 83 81 90 91 91 97	JULY 103 85 74 74 81 90 85 91 97	108 89 77 77 86 90 89 95 99	156 179 84 84 88 87 84 84 88 93 98 100 97	70 70 82 80 82 82 80 81 83 87 91 96 96	118 121 82 82 85 85 85 82 83 85 89 93 97 98 94	192 181 133 113 118 137 140 145 147 116 116 125 125 126	181 133 112 103 104 116 134 98 114 109 105 116 122 122	188 150 118 106 111 128 138 133 124 112 111 120 123 124
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	110 104 99 95 75 84 87 92 90 91 93 99 99 88 87	JUNE 91 99 95 69 66 73 83 87 86 87 90 92 80 79 80 87 96 115	103 101 97 84 71 80 85 90 88 88 91 94 84 83 83 92 105 122 121	116 96 83 81 90 91 91 97 101 103 108 110 113	JULY 103 85 74 74 81 90 85 91 97 101 103 108 110 110	108 89 77 77 86 90 89 95 99 102 105 109 112	156 179 84 84 88 87 84 84 88 93 98 100 100 97 92 94 98 103 105	70 70 70 82 80 82 82 80 81 83 87 91 96 96 92 89 90 94 97	118 121 82 82 85 85 85 82 83 85 89 93 97 98 94 90 92 95 99 102	192 181 133 113 118 137 140 145 147 116 116 125 125 126 138 146 146 48 61	181 133 112 103 104 116 134 98 114 109 105 116 122 122 123 138 31 27 46	188 150 118 106 111 128 138 133 124 112 111 120 123 124 130 143 131 36 53
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	110 104 99 95 75 84 87 92 90 91 93 99 98 88 87 96 115 134 133 158 171 179 177 145	JUNE 91 99 95 69 66 73 83 87 86 87 90 92 80 79 80 87 96 115 116 133 158 171 145	103 101 97 84 71 80 85 90 88 88 91 94 84 83 83 92 105 122 121 124 148 167 177 165 134 141 116 114 120 118	116 96 83 81 90 91 91 97 101 103 108 110 113 115 125 77 77 81	JULY 103 85 74 74 81 90 85 91 97 101 103 108 110 113 74 73 72 76	108 89 77 77 86 90 89 95 99 102 105 109 112 111 114 104 75 74 79	156 179 84 84 88 87 84 84 88 93 98 100 100 97 92 94 98 103 105 107 109 108 118 125 129 128 126 141 161 174	AUGUST 70 70 82 80 82 80 81 83 87 91 96 96 92 89 90 94 97 101 104 106 102 104 115 124 122 124 139 158	118 121 82 82 85 85 85 89 93 97 98 94 90 92 95 99 102 105 107 109 120 126 124 124 133 151 168	192 181 133 113 113 118 137 140 145 147 116 116 125 125 126 138 146 146 48 61 78 89 97 105 108 111 113 116 118	181 133 112 103 104 116 134 98 114 109 105 116 122 123 138 31 27 46 61 78 88 96 101 105	188 150 118 106 111 128 138 133 124 112 111 120 123 124 130 143 131 36 53 70 83 93 100 103 108 110 111 111 111 120 121 121 121 121 121
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	110 104 99 95 75 84 87 92 90 91 93 99 98 88 87 96 115 134 133 158 171 179 177 145	JUNE 91 99 95 69 66 73 83 87 86 87 90 92 80 87 96 115 116 133 158 171 145 131 133 109 109 118 117	103 101 97 84 71 80 85 90 88 88 91 94 84 83 83 92 105 122 121 124 148 167 177 165 134	116 96 83 81 90 91 91 97 101 103 108 110 113 115 125 77 77	JULY 103 85 74 74 81 90 85 91 97 101 103 108 110 113 74 73 72	108 89 77 77 86 90 89 95 99 102 105 109 112 111 114 104 75 74	156 179 84 84 88 87 84 84 88 93 98 100 100 97 92 94 98 103 105 107 109 108 118 125 129	AUGUST 70 70 82 80 82 82 80 81 83 87 91 96 96 92 89 90 94 97 101 104 106 102 104 115 124 122 122 124 139	118 121 82 82 85 85 85 88 85 89 93 97 98 94 90 92 95 99 102 105 107 105 109 120 126 124 124 133 151	192 181 133 113 118 137 140 145 147 116 116 125 125 126 138 146 146 48 61 78 89 97 105 108 111	181 133 112 103 104 116 134 98 114 109 105 116 122 122 123 138 31 27 46 61 78 88 96 101 105 108 111 114 118	188 150 118 106 111 128 138 133 124 112 111 120 123 124 130 143 131 36 53 70 83 93 100 103 108 110 113 116 120

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTO	OBER	NOVE	MBER	DECE	MBER	JANU	ARY	FEBRU	UARY	MAF	RCH
1 2 3 4 5	7.2 7.3 7.3 7.3 7.3	7.2 7.2 7.2 7.2 7.2 7.2	7.2 7.2 7.2 7.2 7.2 7.2	7.0 7.0 7.0 7.0 7.0	7.0 7.0 6.9 6.9 6.9	7.0 6.9 6.9 6.9 6.9	6.9 6.9 6.8 6.8	6.9 6.8 6.8 6.7 6.7	 	 	7.3 7.2 7.3 7.3 7.4	7.2 7.2 7.2 7.3 7.3
6 7 8 9	7.3 7.3 7.3 7.3 7.2	7.2 7.2 7.2 7.2 7.2	7.1 7.2 7.2 7.2 7.2	7.0 7.1 7.2 7.1 7.1	7.0 7.0 7.0 7.0 7.0	6.9 7.0 7.0 7.0 7.0	6.9 6.9 6.8 6.7 6.8	6.8 6.8 6.6 6.6 6.7	 	 	7.3 6.8 6.9 7.0 7.1	6.8 6.7 6.7 6.9 7.0
11 12 13 14 15	7.3 7.3 7.3 7.2 7.2	7.2 7.2 7.2 7.2 7.1	7.2 7.1 7.1 7.1 7.1	7.1 7.1 7.0 7.1 7.1	7.0 7.0 7.0 6.9 6.9	6.9 6.9 6.9 6.8 6.8	6.8 6.7 6.7 6.7	6.6 6.6 6.6 6.7	 	 	7.1 7.1 7.1 7.1 7.1	7.1 7.1 7.1 7.1 7.1
16 17 18 19 20	7.2 7.2 7.4	7.1 7.1 7.2	7.1 7.2 7.2 7.1 7.1	7.1 7.1 7.1 7.1 6.9	6.9 6.9 6.9 6.9	6.9 6.9 6.9 6.9	6.7 6.7 6.8 6.8	6.7 6.7 6.6 6.6 6.7	 7.2 7.2	7.1 7.2	7.4 7.2 7.2 7.4 7.4	7.1 7.1 7.2 7.2 7.3
21 22 23 24 25	7.4 7.5 7.4 7.4 7.3	7.2 7.2 7.1 7.1 7.0	7.0 7.0 7.0 6.8 7.0	7.0 6.9 6.7 6.7 6.8	6.9 6.9 6.9 6.8 6.8	6.8 6.8 6.8 6.8	6.7 6.7 6.7 6.7 6.7	6.7 6.7 6.6 6.6 6.6	7.3 7.4 7.4 7.3 7.3	7.2 7.3 7.3 7.3 7.2	7.3 7.3 7.2 7.2 7.2	7.3 7.2 7.2 7.2 7.2
26 27 28 29 30 31	7.2 7.1 7.1 7.2 7.1 7.2	7.0 6.9 6.9 6.9 6.9 6.9	7.0 7.0 7.0 7.0 7.1	6.9 7.0 7.0 7.0 7.0	6.8 6.8 6.8 6.8 6.9	6.8 6.7 6.7 6.7 6.8 6.8	7.0 	6.6	7.3 7.3 7.3 7.2	7.2 7.2 7.2 7.2 	7.2 7.2 7.2 7.2 7.2 7.2	7.2 7.1 7.1 7.0 7.0 7.1
MONTH			7.2	6.7	7.0	6.7					7.4	6.7
	API	RIL	MA	AY	JUI	NE	JUI	LY	AUG	UST	SEPTE	MBER
1 2 3 4 5	7.1 7.1 7.1 7.1 7.1 7.1	7.1 7.1 7.1 7.1 7.1 7.1	MA 6.8 6.9 7.0 7.0 7.0	6.7 6.6 6.7 6.9 6.8	6.8 6.7 6.4 6.6 6.5	6.7 6.4 6.3 6.4 6.3	7.1 7.1 6.6 6.1 6.2	6.4 6.1 6.1 6.1 6.1	AUG 7.1 7.2 7.2 7.2 7.1	6.6 6.9 7.0 7.1 7.1	7.5 7.4 7.4 7.4 7.4 7.4	7.3 7.3 7.3 7.3 7.3 7.2
1 2 3 4	7.1 7.1 7.1 7.1	7.1 7.1 7.1 7.1	6.8 6.9 7.0 7.0	6.7 6.6 6.7 6.9	6.8 6.7 6.4 6.6	6.7 6.4 6.3 6.4	7.1 7.1 6.6 6.1	6.4 6.1 6.1	7.1 7.2 7.2 7.2	6.6 6.9 7.0 7.1	7.5 7.4 7.4 7.4	7.3 7.3 7.3 7.3
1 2 3 4 5 6 7 8 9	7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2	7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	6.8 6.9 7.0 7.0 7.0 6.9 6.9 6.9 7.0	6.7 6.6 6.7 6.9 6.8 6.8 6.8 6.8	6.8 6.7 6.4 6.6 6.5 6.4 6.3 6.3	6.7 6.4 6.3 6.4 6.3 6.3 6.3 6.3 6.3	7.1 7.1 6.6 6.1 6.2 6.2 7.1 7.1	6.4 6.1 6.1 6.1 6.1 6.2 6.9	7.1 7.2 7.2 7.2 7.1 7.2 7.2 7.2 7.2	6.6 6.9 7.0 7.1 7.1 7.0 7.1 7.1 7.1	7.5 7.4 7.4 7.4 7.4 7.4 7.3 7.4 7.3	7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14	7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.1 7.1	7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	6.8 6.9 7.0 7.0 7.0 6.9 6.9 7.0 6.9 6.9 7.0 7.0	6.7 6.6 6.7 6.9 6.8 6.8 6.8 6.9 6.8 6.9 6.5	6.8 6.7 6.4 6.6 6.5 6.3 6.3 6.3 6.3 6.5 6.5 6.5	6.7 6.4 6.3 6.4 6.3 6.3 6.3 6.3 6.3 6.2 6.2 6.2	7.1 7.1 6.6 6.1 6.2 6.2 7.1 7.1 7.0 7.0 7.0 7.1 7.1 7.0	6.4 6.1 6.1 6.1 6.1 6.2 6.9 7.0 7.0 6.9 6.9 6.9	7.1 7.2 7.2 7.2 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3	6.6 6.9 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.5 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.3 7.3 7.2 7.2	7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.3 7.2 7.2 7.2 7.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.0 7.0	7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.9	6.8 6.9 7.0 7.0 7.0 6.9 6.9 7.0 6.9 6.9 7.0 7.0 7.0 7.1 7.1	6.7 6.6 6.7 6.9 6.8 6.8 6.8 6.9 6.5 6.5 6.5 6.5 6.6 6.8	6.8 6.7 6.4 6.6 6.5 6.3 6.3 6.3 6.3 6.5 6.5 6.5 6.5 6.5	6.7 6.4 6.3 6.4 6.3 6.3 6.3 6.3 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	7.1 7.1 6.6 6.1 6.2 6.2 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.4 6.1 6.1 6.1 6.1 6.2 6.9 6.9 7.0 7.0 7.0 6.9 6.9 6.9 6.9 6.9	7.1 7.2 7.2 7.2 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3	6.6 6.9 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2	7.5 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.0 7.0	7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 7.1 7.1 7.1 7.0 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	6.8 6.9 7.0 7.0 7.0 6.9 6.9 6.9 7.0 7.0 7.0 7.0 7.1 6.8 6.6 6.5 6.9 6.9 7.0 7.1 7.1 6.8 6.6	6.7 6.6 6.7 6.9 6.8 6.8 6.8 6.9 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	6.8 6.7 6.4 6.6 6.5 6.3 6.3 6.3 6.3 6.5 6.5 6.5 6.5 6.5 6.5 6.7 6.8 6.8 6.8 6.7 6.7 6.6 6.6 6.7	6.7 6.4 6.3 6.4 6.3 6.3 6.3 6.3 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.5 6.6 6.5 6.5 6.5 6.5 6.5	7.1 7.1 6.6 6.1 6.2 6.2 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	6.4 6.1 6.1 6.1 6.1 6.2 6.9 6.9 7.0 7.0 6.9 6.9 6.9 6.9 7.0 7.0 6.5 6.1 6.3 6.4 6.2 6.8 6.9 6.9	7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	6.6 6.9 7.0 7.1 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.5 7.4 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.2 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.1 7.0 7.1 7.1	7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.1 6.8 6.9 6.9 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.0 7.0 7.1 7.1 7.1 7.0 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	6.8 6.9 7.0 7.0 7.0 6.9 6.9 7.0 6.9 6.9 7.0 7.0 7.1 7.1 6.8 6.6 6.5 6.9 6.9 6.9 6.9 7.0 7.0	6.7 6.6 6.7 6.9 6.8 6.8 6.8 6.9 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	6.8 6.7 6.4 6.6 6.5 6.3 6.3 6.3 6.3 6.3 6.5 6.5 6.5 6.5 6.5 6.5 6.7 6.8 6.8 6.7 6.7 6.6 6.6	6.7 6.4 6.3 6.4 6.3 6.3 6.3 6.3 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.5 6.5 6.5 6.5 6.5	7.1 7.1 6.6 6.1 6.2 6.2 7.1 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.1 7.4 7.5 6.8 6.9 6.9 7.1 7.2 7.7 6.9 6.8	6.4 6.1 6.1 6.1 6.1 6.2 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 7.0 7.0 6.5 6.1 6.3 6.4 6.2 6.8 6.9 6.9	7.1 7.2 7.2 7.2 7.2 7.1 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.4	6.6 6.9 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.2 7.2 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	7.5 7.4 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.2 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.1 7.0 7.1	7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBE	R	D	ECEMBE	R		JANUARY	
1 2 3 4 5	17.0 15.9 15.2 15.4 15.4	15.9 15.0 14.2 14.5 14.7	16.4 15.5 14.8 15.0 15.1	14.9 15.4 15.5 15.3 15.3	13.6 14.1 14.1 14.0 14.7	14.2 14.6 14.7 14.6 15.0	7.3 6.3 6.0 6.0 6.1	6.3 5.7 5.6 5.7 6.0	6.8 6.0 5.8 5.8 6.0	4.8 6.4 7.9 9.8 10.0	4.5 4.8 6.4 7.9 9.6	4.7 5.6 7.0 8.7 9.9
6 7 8 9 10	16.0 16.4 16.7 16.9 17.0	14.8 15.3 15.6 16.1 16.8	15.4 15.8 16.2 16.5 16.9	15.2 15.0 14.5 13.6 12.6	15.0 14.4 13.6 12.6 12.0	15.2 14.6 14.2 12.9 12.3	6.1 6.1 5.8 5.8 6.1	6.0 5.7 5.3 5.1 5.6	6.0 5.9 5.6 5.5 5.8	9.7 7.5 4.7 3.5 2.9	7.5 4.7 3.5 2.9 2.3	9.1 5.9 3.9 3.1 2.7
11 12 13 14 15	17.5 17.9 18.4 18.2 17.4	16.9 17.2 17.5 17.1 16.2	17.1 17.5 17.9 17.9 16.8	12.4 12.7 12.6 11.0 10.1	12.1 12.4 11.0 10.1 9.8	12.3 12.5 11.8 10.4 10.0	6.1 6.2 5.9 5.1 5.0	5.7 5.8 5.1 4.7 4.7	5.9 5.9 5.5 4.9 4.8	2.3 2.6 2.5 2.8 3.2	1.8 1.8 1.9 2.0 2.7	2.1 2.2 2.2 2.3 2.9
16 17 18 19 20	16.5 16.3 16.3	15.5 15.6 15.3	16.1 16.0 16.0	10.3 10.6 11.6 13.5 13.5	10.0 10.2 10.5 11.6 12.1	10.1 10.4 11.0 12.4 12.9	5.7 5.8 5.6 5.5 4.7	4.8 5.5 5.5 4.7 3.9	5.2 5.7 5.5 5.1 4.3	3.0 3.4 4.3 4.3 3.8	2.5 2.6 3.4 3.8 3.0	2.8 2.9 3.9 4.0 3.4
21 22 23 24 25	16.3 16.6 15.4 15.3 15.2	15.2 15.4 14.7 14.0 13.9	15.7 15.9 15.0 14.7 14.6	12.1 11.1 11.1 11.0 10.2	11.1 10.6 10.6 10.2 9.3	11.5 10.8 10.8 10.8 9.7	3.9 3.4 4.0 4.9 5.3	3.0 2.9 3.1 4.0 4.9	3.4 3.2 3.5 4.4 5.1	3.0 2.3 1.8 2.1 2.4	2.3 1.8 1.2 1.2 1.8	2.6 2.0 1.5 1.6 2.0
26 27 28 29 30 31	14.9 14.6 14.0 14.2 14.1 14.7	14.4 13.7 13.1 13.3 13.0 13.5	14.7 14.2 13.6 13.7 13.6 14.0	9.3 8.4 8.6 8.2 7.8	8.4 8.2 8.1 7.8 7.3	8.8 8.3 8.5 8.0 7.5	5.0 4.2 3.6 4.3 4.8 5.0	4.2 3.5 3.3 3.3 4.2 4.3	4.6 3.8 3.5 3.8 4.4 4.6	 	 	
MONTH				15.5	7.3	11.7	7.3	2.9	5.0			
	F	EBRUARY	Y		MARCH			APRIL			MAY	
1 2 3 4 5	 	 	 	7.0 7.8 8.1 9.8 11.0	6.3 7.0 7.7 8.1 9.8	6.6 7.3 7.9 9.0 10.5	12.0 11.2 10.8 10.6 10.8	11.2 10.0 9.7 9.8 9.6	11.5 10.4 10.2 10.2 10.2	16.6 16.8 15.8 14.7 14.4	15.9 15.8 14.7 13.4 13.4	16.2 16.4 15.1 13.9 13.8
6 7 8 9 10	 	 	 	11.6 11.2 10.2 9.0 7.9	10.7 10.2 9.0 7.9 7.3	11.1 10.6 9.6 8.3 7.6	11.3 12.0 13.2 13.7 13.6	9.8 10.8 11.9 12.6 13.0	10.5 11.3 12.5 13.2 13.2	15.7 17.0 17.7 18.8 19.7	14.2 15.3 16.8 17.7 18.8	14.8 15.9 17.1 18.1 19.2
11 12 13 14 15	 	 	 	7.7 7.0 7.2 7.3 7.7	6.8 6.3 6.3 7.0 7.3	7.1 6.7 6.7 7.1 7.4	13.2 13.1 11.9 10.0 10.4	13.0 11.9 10.0 9.2 9.3	13.1 12.7 10.9 9.6 9.8	20.1 20.9 20.9 20.5 20.8	19.5 19.9 20.4 19.9 19.5	19.7 20.4 20.8 20.2 20.2
16 17 18 19 20	5.0 5.2	 4.5 4.8	 4.8 4.9	8.9 9.1 10.1 10.7 10.6	7.7 8.6 8.9 9.8 10.0	8.3 8.8 9.4 10.2 10.4	11.8 13.2 14.6 15.8 16.2	9.9 11.5 13.0 14.5 15.4	10.6 12.1 13.6 15.0 15.7	20.9 21.0 21.2 20.6 19.4	19.2 20.3 20.1 18.3 18.4	20.2 20.6 20.8 19.3 18.9
21 22 23 24 25	5.3 5.8 6.0 6.7 6.7	5.0 4.9 5.4 5.9 6.1	5.2 5.3 5.7 6.1 6.3	10.5 9.8 9.0 8.6 9.9	9.8 9.0 7.9 7.8 8.4	10.1 9.5 8.3 8.2 9.1	16.4 17.2 17.2 17.7 18.0	15.8 16.4 17.0 17.0 17.7	16.0 16.7 17.1 17.2 17.8	20.7 22.5 23.9 24.1 25.6	19.1 20.1 19.8 19.7 19.6	19.7 21.0 21.5 21.7 22.5
26 27 28 29 30 31	6.3 6.5 6.6	5.9 5.6 5.6 5.9	6.1 6.0 6.1 6.3	11.6 12.7 13.8 14.5 14.3	9.7 11.2 12.4 13.7 13.6 12.0	10.6 11.8 13.1 14.1 13.9 12.8	18.0 17.4 15.8 16.1 16.1	17.4 15.8 14.9 14.9 15.4	17.7 16.3 15.4 15.4 15.7	24.1 22.6 22.6 22.4 22.4 22.4	19.8 20.1 21.8 21.4 22.0 20.5	21.6 22.0 22.3 21.8 22.3 21.7
MONTH				14.5	6.3	9.4	18.0	9.2	13.4	25.6	13.4	19.3

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		SI	EPTEMBI	ER
1	20.9	20.3	20.6	23.0	21.4	21.7	21.4	20.3	20.9	25.6	24.9	25.3
2	20.6	19.6	20.1	23.4	21.0	22.2	22.9	21.2	21.9	25.3	24.7	25.0
3	20.7	20.2	20.4	23.7	20.9	22.4	23.9	22.5	23.1	25.2	24.3	24.8
4	20.7	18.4	19.5	25.0	20.7	22.8	24.6	23.4	24.0	25.3	24.6	24.9
5	18.4	17.4	17.9	25.9	19.6	22.1	24.4	23.6	24.0	25.8	24.6	25.2
6	18.3	17.8	18.0	25.8	18.5	21.6	23.6	22.7	23.3	26.3	24.9	25.6
7	19.1	18.3	18.5	23.0	19.4	21.6	23.7	22.4	23.1	25.7	24.8	25.3
8	19.4	19.1	19.3	23.4	22.0	22.6	23.7	22.5	23.2	24.8	22.2	23.9
9	20.2	19.4	19.8	24.1	22.6	23.2	23.9	22.9	23.4	22.2	19.9	20.3
10	21.0	20.2	20.6	24.8	23.7	24.2	24.6	23.0	23.8	20.6	19.7	20.1
11	21.7	20.8	21.2	25.5	24.4	24.9	25.4	23.8	24.5	21.1	20.0	20.5
12	22.7	21.6	22.1	25.6	25.0	25.3	24.8	23.0	23.8	21.6	20.6	21.0
13	22.1	20.7	21.2	26.3	25.4	25.8	23.0	22.0	22.5	22.1	21.2	21.7
14	21.7	21.4	21.5	26.4	25.7	26.0	22.8	21.4	22.1	22.5	21.5	22.0
15	22.6	21.6	22.0	26.1	25.6	25.9	23.1	21.9	22.5	22.9	21.8	22.4
16	23.4	22.6	22.9	26.1	25.3	25.7	23.4	22.0	22.7	22.8	22.4	22.6
17	24.2	23.3	23.9	26.3	25.4	25.8	23.9	22.0	22.9	22.4	19.2	20.5
18	25.0	24.1	24.5	26.0	25.0	25.6	24.6	22.6	23.6	19.2	18.3	18.7
19	25.1	24.5	24.8	25.8	24.9	25.5	25.6	23.4	24.4	18.3	17.7	18.0
20	25.2	24.6	24.8	26.9	21.4	24.9	25.1	24.3	24.8	18.1	17.1	17.6
21	25.8	24.5	24.9	31.3	20.1	24.5	24.9	24.1	24.4	18.0	17.2	17.7
22	25.7	24.6	25.1	28.8	21.3	23.9	24.5	23.4	24.0	18.6	17.3	18.0
23	25.0	24.6	24.9	31.5	20.8	24.7	24.6	23.3	24.0	18.8	17.8	18.3
24	25.4	24.2	24.7	27.1	20.7	23.6	24.4	23.7	24.0	19.6	18.6	19.1
25	24.8	23.9	24.4	33.0	18.7	23.1	24.6	23.8	24.1	20.2	19.3	19.8
26 27 28 29 30 31	23.9 21.0 20.9 21.5 21.9	21.0 20.1 20.4 20.6 21.5	23.1 20.5 20.7 21.1 21.7	28.8 25.1 22.7 23.3 24.2 24.2	20.7 21.1 21.9 21.8 23.0 21.2	22.8 23.7 22.3 22.5 23.5 23.2	24.9 25.5 26.5 26.6 26.1 26.4	23.9 24.4 25.2 25.7 25.4 25.0	24.4 24.8 25.8 26.1 25.8 25.7	20.7 20.7 20.6 20.3 19.6	19.6 19.9 20.3 19.5 18.9	20.2 20.4 20.4 19.9 19.2
MONTH	25.8	17.4	21.8	33.0	18.5	23.8	26.6	20.3	23.8	26.3	17.1	21.3
YEAR												

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE			DECEMBE			JANUARY	
1 2 3 4 5	9.2 9.4 9.7 9.6 9.6	8.8 8.7 8.7 9.0 8.6	8.9 9.1 9.3 9.3 9.2	10.5 10.5 10.5 10.6 10.4	9.4 9.3 9.2 9.1 8.9	10.0 10.0 9.8 9.6 9.9	14.9 15.4 15.1 14.7 14.5	14.0 14.2 14.0 13.8 13.6	14.4 14.6 14.6 14.2 14.0	11.6 11.4 9.0 7.7 6.9	11.3 8.8 7.7 6.0 5.7	11.5 10.3 8.4 6.9 6.1
6 7 8 9 10	9.7 9.6 9.5 9.3 8.8	8.5 8.3 8.1 8.1 7.8	9.1 9.1 8.9 8.8 8.4	10.4 10.7 10.8 11.3 11.8	9.3 10.1 10.4 10.6 11.1	9.9 10.4 10.6 10.9 11.5	14.9 14.8 14.9 15.0 14.4	13.7 13.7 13.8 13.7 13.1	14.2 14.2 14.3 14.2 13.7	8.8 6.5 14.5 14.6 14.8	6.5 4.9 5.0 14.4 12.3	7.6 5.5 14.2 14.5 14.1
11 12 13 14 15	9.0 8.9 8.8 8.4 8.8	7.6 7.2 7.2 7.1 7.2	8.3 8.1 8.0 7.7 8.2	12.0 11.9 12.0 12.8 13.0	11.4 11.4 11.1 11.9 12.5	11.7 11.6 11.6 12.4 12.7	15.3 15.0 14.7 14.7 14.8	13.5 13.6 13.6 13.4 13.6	14.3 14.5 14.0 14.0 14.1	14.9 14.8 14.7 14.5 14.0	12.2 14.4 14.4 14.0 13.7	14.1 14.6 14.5 14.3 13.9
16 17 18 19 20	9.1 8.9 11.1	8.1 8.8 9.7	8.7 8.8 10.5	12.9 13.1 13.0 12.7 13.1	12.6 12.5 12.5 12.2 12.5	12.8 12.8 12.7 12.5 12.9	14.5 13.8 13.5 13.7 13.8	13.4 12.7 12.8 12.7 12.9	13.8 13.2 13.1 13.1 13.2	13.9 13.8 13.4 13.1 13.4	13.6 13.2 12.8 12.8 13.0	13.8 13.5 13.0 13.0 13.2
21 22 23 24 25	10.6 8.5 11.8 12.9 13.5	7.6 6.8 7.5 9.6 11.4	8.6 7.7 9.3 11.8 12.5	13.4 13.4 13.1 11.9 13.8	13.0 13.0 10.0 8.9 8.6	13.3 13.2 11.9 11.2 12.4	14.2 13.6 13.3 13.7 13.3	13.2 13.1 12.4 12.5 12.4	13.4 13.3 12.9 13.0 12.9	13.6 13.7 13.8 13.6 13.3	13.2 13.4 13.5 13.2 12.8	13.4 13.5 13.7 13.5 13.2
26 27 28 29 30 31	13.6 14.1 14.7 15.0 12.7 14.7	11.9 12.6 13.1 11.4 11.4 9.4	12.8 13.2 13.9 12.9 11.9 11.1	15.8 14.9 14.7 15.4 15.1	12.8 13.8 13.0 13.8 13.9	14.0 14.3 13.8 14.8 14.7	12.8 13.0 12.9 12.4 12.0 12.0	12.3 12.4 12.4 11.7 11.6 11.5	12.5 12.5 12.5 12.2 11.8 11.6	 	 	
MONTH				15.8	8.6	12.0	15.4	11.5	13.5			
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	 	 	 	8.4 7.0 7.2 6.7 7.3	6.9 6.6 6.6 6.0 5.9	7.3 6.8 6.8 6.4 6.4	11.2 11.2 11.8 11.3 11.6	10.1 10.3 10.4 10.1 10.6	10.7 10.7 11.0 11.0 11.1	8.9 8.8 9.2 9.5 9.4	8.6 8.3 8.8 9.2 9.2	8.8 8.6 9.0 9.4 9.4
6 7 8 9 10	 	 	 	 	 	 	11.5 11.6 10.5 10.8 11.9	10.5 10.3 9.6 10.0 9.5	11.1 10.8 10.1 10.5 10.2	9.3 9.1 8.9 8.6 8.4	9.1 8.8 8.4 8.1 7.9	9.2 8.9 8.6 8.3 8.2
11 12 13 14 15	 	 	 	 	 	 	10.2 10.6 	9.7 9.3 	10.0 10.0 	8.2 8.1 8.0 7.6 8.6	7.7 7.5 6.7 6.6 7.0	7.9 7.8 7.5 7.3 7.8
16 17 18 19 20	9.5 8.3	7.5 7.6	7.9 7.9	11.1 11.1 11.1 11.0 12.0	10.9 10.8 10.7 10.6 10.7	11.0 10.9 10.9 10.8 11.0	 	 	 	8.7 8.0 8.2 8.4 8.2	6.7 7.3 6.8 7.7 8.1	7.8 7.8 7.8 8.1 8.2
21 22 23 24 25	8.8 8.7 8.6 8.0 7.7	7.6 7.6 7.4 7.2 7.0	8.0 8.1 8.0 7.5 7.3	11.5 12.0 12.3 12.5 12.0	10.8 11.2 11.8 11.8 11.3	11.1 11.6 12.0 12.0 11.7	 	 	 	8.2 8.1 8.5 8.5 8.5	7.8 6.3 6.5 6.5 6.5	8.0 7.6 7.6 7.8 7.9
26 27 28 29 30 31	8.0 7.9 7.9 7.7 	7.1 7.2 7.1 7.0 	7.4 7.5 7.4 7.2	12.1 11.4 10.7 10.8 11.0	10.9 10.2 9.9 9.2 9.4 10.4	11.3 10.8 10.3 9.8 10.3 10.7	9.3 9.2 9.1	9.1 9.0 8.8	9.3 9.1 9.0	8.3 8.3 7.4 7.5 7.5 7.8	7.6 6.9 7.0 7.3 7.2 7.2	8.0 7.3 7.2 7.4 7.3 7.5
MONTH										9.5	6.3	8.1

03410600 SOUTH FORK CUMBERLAND RIVER AT YAMACRAW, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1 2 3 4 5	7.8 7.8 7.5 8.2 8.5	7.7 7.5 7.3 7.2 8.1	7.7 7.7 7.4 7.9 8.2	7.3 7.6 7.6 7.6 8.3	6.4 6.5 7.0 6.9 7.0	6.9 7.2 7.3 7.3 7.7	7.7 6.9 7.5 6.8 6.5	7.7 5.4 5.4 6.5 6.0	7.7 6.2 6.8 6.7 6.3	6.4 6.5 6.6 6.6 6.6	5.4 5.5 5.5 5.7 5.4	5.9 5.9 5.9 6.0 5.9
6 7 8 9 10	8.2 7.9 7.7 7.5 7.3	7.8 7.5 7.2 7.1 6.8	8.0 7.7 7.4 7.3 7.1	8.4 8.3 7.7 7.1 7.0	7.1 7.3 6.7 6.7 6.6	7.9 7.9 7.2 7.0 6.8	6.8 6.9 7.0 7.1 7.2	5.8 6.1 6.0 6.0 5.9	6.3 6.4 6.4 6.4 6.5	6.6 6.0 6.8 7.5 7.5	5.3 5.2 5.0 6.5 7.2	5.8 5.5 5.8 7.3 7.4
11 12 13 14 15	7.2 7.3 7.6 7.0 7.0	6.7 6.8 6.6 6.6	7.0 6.9 7.4 6.8 6.8	6.8 6.6 6.4 6.2 6.0	6.5 6.3 5.9 6.0 5.8	6.7 6.5 6.2 6.1 5.9	7.1 6.6 6.8 7.1 7.2	5.8 5.7 5.7 5.9 6.3	6.3 6.1 6.2 6.5 6.7	7.3 7.1 6.9 7.0 6.9	6.6 6.6 6.3 5.9 5.7	7.1 6.9 6.6 6.3 6.3
16 17 18 19 20	6.8 6.6 6.4 6.4 6.1	6.5 6.1 6.0 5.8 5.5	6.6 6.4 6.2 6.1 5.8	5.9 6.0 6.2 6.3 6.9	5.7 5.7 5.7 5.7 5.8	5.8 5.8 5.9 6.1 6.3	7.2 7.2 7.1 7.0 6.6	6.2 6.1 5.8 5.5 5.3	6.7 6.6 6.4 6.2 6.0	5.9 7.2 	5.3 5.6 	5.7 6.4
21 22 23 24 25	6.2 6.4 6.0 6.2 6.4	5.3 5.3 5.4 5.4 6.1	6.0 5.9 5.8 5.9 6.2	7.7 7.7 7.7 7.7 8.1	6.3 6.8 6.4 6.9 6.2	7.1 7.3 7.2 7.3 7.4	6.3 6.6 6.8 6.6 6.7	5.2 5.2 5.2 5.2 5.2 5.2	5.6 5.9 6.0 5.8 6.0	 	 	
26 27 28 29 30 31	6.9 7.1 7.0 6.9 7.0	6.3 6.8 6.6 6.2 6.1	6.5 7.0 6.8 6.7 6.7	7.6 7.9 7.9 7.6 7.0 7.7	6.6 7.2 7.6 6.8 6.1 5.5	7.3 7.7 7.7 7.3 6.7 6.4	6.7 6.6 6.6 6.4 6.5 6.6	5.6 5.2 5.2 4.8 4.7 4.7	6.1 5.8 5.9 5.6 5.3 5.6	 	 	
MONTH	8.5	5.3	6.9	8.4	5.5	6.9	7.7	4.7	6.2			
YEAR												

THIS PAGE IS INTENTIONALLY BLANK.