

## Reading the River 2004 Water Monitoring Data

Site #	Date mm/dd/yy	Time (military)	Latitude	Longitude	Location Description	Flow Rate m <sup>3</sup> /sec	Air Temp C <sup>o</sup>	Water Temp C <sup>o</sup>	pH S.U.	DO mg/L
			Degrees and Minutes (decimal)							
0	13-Jun	13:45	38 12.85	83 25.053	Martin's Fork, Morehead	8.075	24	19.50	6.7	8.2
1	14-Jun	12:30			Headwaters 1, Magoffin Co.		22	15.00	5.5	7.8
2	14-Jun	12:30			Headwaters 2		24	15.00	6.2	6.6
3	14-Jun	12:30			Headwaters 3		23	20.00	5.8	4.6
4	14-Jun	12:30			Headwaters 4		24	16.00	6.3	7.3
5	14-Jun	12:30			Headwaters 5		25	15.00	6	7
6	14-Jun	14:30	37 30.428	82 56.058	Headwater Stream	0.016				
7	14-Jun	15:30	37 39.196	83 0.637	Hwy. 7 & 1471, Magoffin Co.	2.320	25	22.00	7.5	7
8	14-Jun	17:00	37 45.025	83 4.134	Salyersville, Magoffin Co.	1.610	28	24.00	7	6.5
9	16-Jun	14:45	38 10.614	83 37.116	Moore's Ferry, Bath County	67.5	27	19	7.3	7.6
10	16-Jun	14:45	38 25.682	83 59.818	Blue Lick S.P., Robertson Co.	192	33	23	7.4	7
11	17-Jun	15:35	38 40.75	84 19.75	S. Fork, Pendleton Co.	53.6	27.5	25	7.7	7.4
12	17-Jun	17:30	39 3.033	84 29.615	Wilder, Campbell County	300	29	24	7	5.5
13	18-Jun	12:05	39 5.502	84 30.269	Mouth, Newport/Covington	214.2	28.5	23	7.5	6.3

Site #	Date mm/dd/yy	Time (military)	Latitude	Longitude	Location Description	Cond. umho/cm	BIO Index	Habitat Assess.	E.Coli by "Coliscan" *Colonies/100 ml
			Degrees and Minutes (decimal)						
0	13-Jun	13:45	38 12.85	83 25.053	Martin's Fork, Morehead	60	24	167	
1	14-Jun	12:30			Headwaters 1, Magoffin Co.	60		135	0
2	14-Jun	12:30			Headwaters 2	70		135	
3	14-Jun	12:30			Headwaters 3	60		135	
4	14-Jun	12:30			Headwaters 4	70		135	
5	14-Jun	12:30			Headwaters 5	50		135	
6	14-Jun	14:30	37 30.428	82 56.058	Headwater Stream				
7	14-Jun	15:30	37 39.196	83 0.637	Hwy. 7 & 1471, Magoffin Co.	470	23	145	100
8	14-Jun	17:00	37 45.025	83 4.134	Salyersville, Magoffin Co.	380	10	111	500
9	16-Jun	14:45	38 10.614	83 37.116	Moore's Ferry, Bath County	100			100
10	16-Jun	14:45	38 25.682	83 59.818	Blue Lick S.P., Robertson Co.	160			300
11	17-Jun	15:35	38 40.75	84 19.75	S. Fork, Pendleton Co.	330			No results
12	17-Jun	17:30	39 3.033	84 29.615	Wilder, Campbell County	220			No results
13	18-Jun	12:05	39 5.502	84 30.269	Mouth, Newport/Covington	260	2		No results

### Cave Run Lake (CRL) Data

Date mm/dd/yy	Time (military)	Latitude	Longitude	Location Description	Secchi Reading (meters)	Air Temp C°	Water Temp C°	pH S.U.	DO mg/L	Cond. umho/cm
		Degrees and Minutes (decimal)								
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 1m	2.54m	26	26.68	8.3	8.5	131
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 2m	2.54m	26	26.3	8.15	8.51	131
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 3m	2.54m	26	26.1	8.17	8.6	131
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 4m	2.54m	26	25.05	8.22	8.25	131
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 5m	2.54m	26	23.04	8.28	7.67	128
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 6m	2.54m	26	21.48	7.61	5.99	127
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 7m	2.54m	26	20.8	7.56	5.33	125
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 8m	2.54m	26	20.04	7.56	4.75	122
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 9m	2.54m	26	19.95	7.47	4.76	122
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 10m	2.54m	26	19.34	7.53	4.62	118
15-Jun	15:00	38 6.938	83 31.549	CRL (data sonde) 20m	2.54m	26	18.12	7.6	4.27	93
15-Jun	15:00	38 6.938	83 31.549	CRL (LaMotte) 0m	2.0m	29	27	7.75	7.8	130
15-Jun	15:00	38 6.938	83 31.549	CRL (Van Dorn/LaMotte) 5m	2.26m	26	26	7	7	130
15-Jun	15:00	38 6.938	83 31.549	CRL (Van Dorn/LaMotte) 10m	2.24m	26	22	6.7	5.1	90

### Cave Run Lake Productivity Data, Marina Dock

Date	Time	Location Description	D.O. Light 1 (mg/L)	Light 2	Light (avg.)	Dark	Initial	O <sub>2</sub> produced (mg/L per hr)	
15-Jun	17:00	Marina Dock 0 meters	6.8	5.6	6.2	5.3	6.3	(net) -.0125	(gross) .1125
15-Jun	17:00	Marina Dock 1m	8.6	8.7	8.65	3.6	6.4	0.28125	0.631
15-Jun	17:00	Marina Dock 2m	9	8	8.5	2.2	6.3	0.2375	0.788
15-Jun	17:00	Marina Dock 3m	6.9	7.3	7.1	2.6	2.4	0.5875	0.563