

Water-Data Report 2007

03311500 GREEN RIVER AT LOCK 6 AT BROWNSVILLE, KY

Green Basin
Upper Green Subbasin

LOCATION.--Lat 37°12'25", long 86°15'40" referenced to North American Datum of 1927, Edmonson County, KY, Hydrologic Unit 05110001, on right bank 200 feet upstream from Lock and Dam 6, 0.8 mile downstream from Indian Creek, 1.0 mile northeast of Brownsville, 1.8 miles downstream from Nolin River, and at mile 181.7.

DRAINAGE AREA.--2,762 mi² of which 600 mi² probably is noncontributing.

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--December 1999 to current year.

INSTRUMENTATION.--Temperature probe with telemetry, data logger at 15' intervals.

EXTREMES FOR PERIOD OF DAILY RECORD.--Maximum recorded 29.0°C, July 7, 2002, minimum recorded 2.0°C, January 3, 4, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum recorded 27.4°C, August 26; minimum recorded 6.8°C, February 19.

03311500 GREEN RIVER AT LOCK 6 AT BROWNSVILLE, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	18.3	18.3	18.3	14.7	14.5	14.6	11.8	11.7	11.8	9.6	9.4	9.5
2	18.3	18.3	18.3	14.6	14.5	14.5	11.8	11.8	11.8	9.8	9.6	9.7
3	18.4	18.3	18.3	14.6	14.3	14.5	11.8	11.4	11.6	9.9	9.8	9.9
4	18.5	18.3	18.4	14.4	14.1	14.2	11.4	11.1	11.3	10.0	9.9	9.9
5	18.6	18.5	18.5	14.1	13.9	14.0	11.1	10.5	10.8	10.0	9.8	9.9
6	18.7	18.6	18.7	13.9	13.8	13.9	10.5	10.2	10.3	10.0	9.8	9.9
7	18.7	18.6	18.7	13.8	13.8	13.8	10.2	9.7	9.9	10.3	10.0	10.2
8	18.6	18.5	18.6	13.8	13.8	13.8	9.7	9.4	9.6	10.6	10.3	10.5
9	18.5	18.2	18.3	13.8	13.7	13.8	9.4	9.0	9.2	10.6	10.5	10.5
10	18.2	18.0	18.1	13.8	13.7	13.8	9.0	8.6	8.8	10.6	10.5	10.6
11	18.0	18.0	18.0	13.8	13.7	13.8	8.6	8.5	8.5	10.5	10.3	10.4
12	18.0	17.9	17.9	13.7	13.5	13.7	8.5	8.4	8.4	10.3	10.1	10.3
13	17.9	17.7	17.8	13.6	13.5	13.6	8.4	8.3	8.4	10.3	10.2	10.2
14	17.7	17.3	17.5	13.5	13.2	13.4	8.5	8.3	8.4	10.3	10.2	10.2
15	17.3	16.9	17.1	13.2	13.0	13.1	8.6	8.5	8.5	10.5	10.2	10.3
16	16.9	16.5	16.7	13.0	12.9	13.0	8.7	8.6	8.6	10.8	10.5	10.6
17	16.5	16.2	16.3	13.1	12.9	13.0	---	---	---	10.8	10.6	10.7
18	16.4	16.2	16.3	13.1	13.0	13.1	---	---	---	10.8	10.6	10.7
19	16.4	16.3	16.4	13.1	12.8	13.0	9.4	9.2	9.3	10.6	10.3	10.4
20	16.4	16.1	16.3	12.8	12.5	12.7	9.6	9.4	9.5	10.3	10.1	10.2
21	16.2	15.8	16.0	12.5	12.2	12.3	9.7	9.6	9.6	10.2	10.0	10.1
22	15.9	15.6	15.8	12.2	11.9	12.1	9.8	9.7	9.7	10.0	9.9	10
23	15.6	15.5	15.6	11.9	11.8	11.9	9.9	9.8	9.8	10.0	9.9	10
24	15.5	15.4	15.4	11.9	11.8	11.8	9.8	9.7	9.8	9.9	9.8	9.9
25	15.4	14.9	15.2	11.9	11.7	11.8	9.9	9.7	9.8	9.8	9.8	9.8
26	15.1	15.0	15.0	11.7	11.6	11.7	9.7	9.6	9.6	9.8	9.7	9.8
27	15.0	14.9	15.0	11.7	11.5	11.6	9.6	9.5	9.6	9.8	9.7	9.7
28	14.9	14.5	14.7	11.6	11.5	11.5	9.5	9.4	9.4	9.7	9.6	9.6
29	14.6	14.5	14.5	11.6	11.5	11.5	9.5	9.4	9.4	9.6	9.4	9.5
30	14.7	14.5	14.6	11.8	11.6	11.6	9.5	9.3	9.4	9.4	9.2	9.3
31	14.7	14.6	14.6	---	---	---	9.6	9.4	9.5	9.2	8.9	9.0
Month	18.7	14.5	16.8	14.7	11.5	13.0	---	---	---	10.8	8.9	10.0

03311500 GREEN RIVER AT LOCK 6 AT BROWNSVILLE, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.9	8.7	8.8	8.5	8.4	8.4	---	---	---	---	---	---
2	8.7	8.4	8.6	8.5	8.3	8.3	---	---	---	---	---	---
3	8.4	8.3	8.4	8.9	8.5	8.7	---	---	---	---	---	---
4	8.3	8.2	8.2	9.2	8.6	9.0	---	---	---	---	---	---
5	8.2	7.9	8.0	9.4	9.2	9.3	---	---	---	---	---	---
6	7.9	7.7	7.8	9.4	9.2	9.3	---	---	---	---	---	---
7	7.7	7.5	7.6	9.2	9.0	9.1	---	---	---	---	---	---
8	7.5	7.4	7.5	9.0	8.7	9.0	---	---	---	---	---	---
9	7.5	7.4	7.4	9.2	9.0	9.1	---	---	---	---	---	---
10	7.4	7.3	7.4	9.4	9.2	9.3	---	---	---	---	---	---
11	7.4	7.3	7.3	9.6	9.4	9.5	---	---	---	---	---	---
12	7.3	7.3	7.3	9.8	9.5	9.7	13.1	12.6	12.7	---	---	---
13	7.3	7.2	7.3	10.0	9.8	9.9	12.6	12.6	12.6	---	---	---
14	7.2	7.0	7.1	10.3	10.0	10.1	12.8	12.6	12.7	---	---	---
15	7.1	6.9	7.0	10.5	10.2	10.4	12.8	12.3	12.6	---	---	---
16	7.2	7.1	7.2	10.7	10.5	10.6	12.3	12.3	12.3	---	---	---
17	7.2	7.0	7.1	10.8	10.7	10.7	12.4	12.3	12.3	---	---	---
18	7.1	7.0	7.0	10.8	10.7	10.8	12.5	12.4	12.4	---	---	---
19	7.1	6.8	6.9	10.8	10.8	10.8	12.6	12.5	12.5	---	---	---
20	6.9	6.8	6.9	10.8	10.7	10.8	12.7	12.6	12.6	---	---	---
21	7.0	6.9	7.0	11.0	10.8	10.9	12.8	12.7	12.7	---	---	---
22	7.3	7.0	7.2	11.2	10.9	11.1	12.9	12.7	12.9	---	---	---
23	7.7	7.3	7.5	---	---	---	---	---	---	---	---	---
24	7.9	7.6	7.8	---	---	---	---	---	---	---	---	---
25	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
26	8.2	8.0	8.1	---	---	---	---	---	---	---	---	---
27	8.4	8.2	8.3	---	---	---	---	---	---	---	---	---
28	8.4	8.3	8.4	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	8.9	6.8	7.6	---	---	---	---	---	---	---	---	---

03311500 GREEN RIVER AT LOCK 6 AT BROWNSVILLE, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	26.2	25.9	26.1
2	---	---	---	---	---	---	---	---	---	26.1	25.4	25.8
3	---	---	---	---	---	---	---	---	---	25.5	24.5	25.2
4	---	---	---	---	---	---	---	---	---	25.1	24.5	24.9
5	---	---	---	---	---	---	---	---	---	25.1	24.7	24.9
6	---	---	---	---	---	---	---	---	---	24.9	24.2	24.6
7	---	---	---	---	---	---	---	---	---	24.6	23.7	24.3
8	---	---	---	---	---	---	---	---	---	24.4	23.8	24.1
9	---	---	---	---	---	---	---	---	---	24.3	23.5	24.0
10	---	---	---	---	---	---	---	---	---	24.1	22.3	23.5
11	---	---	---	---	---	---	---	---	---	22.6	20.7	21.8
12	---	---	---	---	---	---	---	---	---	22.0	20.7	21.2
13	---	---	---	---	---	---	---	---	---	22.7	22.0	22.6
14	---	---	---	---	---	---	---	---	---	22.8	22.4	22.6
15	---	---	---	---	---	---	---	---	---	22.5	22.0	22.2
16	---	---	---	---	---	---	---	---	---	22.0	21.4	21.5
17	---	---	---	---	---	---	---	---	---	21.6	20.5	21.1
18	---	---	---	---	---	---	---	---	---	20.6	19.0	19.8
19	---	---	---	---	---	---	---	---	---	19.2	18.8	19.0
20	---	---	---	---	---	---	---	---	---	19.3	19.0	19.2
21	---	---	---	---	---	---	---	---	---	19.3	19.0	19.2
22	---	---	---	---	---	---	27.2	26.9	27.0	19.3	19.1	19.2
23	---	---	---	---	---	---	27.3	26.8	27.1	19.5	19.2	19.4
24	---	---	---	---	---	---	27.3	26.8	27.1	19.6	19.4	19.5
25	---	---	---	---	---	---	27.3	26.8	27.1	19.7	19.5	19.6
26	---	---	---	---	---	---	27.4	26.8	27.1	19.9	19.6	19.7
27	---	---	---	---	---	---	27.2	26.9	27.1	19.7	19.5	19.6
28	---	---	---	---	---	---	27.0	25.9	26.7	19.7	19.4	19.6
29	---	---	---	---	---	---	26.7	26.4	26.6	19.7	19.3	19.5
30	---	---	---	---	---	---	26.6	26.3	26.5	19.6	19.1	19.4
31	---	---	---	---	---	---	26.6	26.2	26.4	---	---	---
Month	---	---	---	---	---	---	---	---	---	26.2	18.8	21.8