

Water-Data Report 2010

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO

Upper White Basin
Upper Black Subbasin

LOCATION.--Lat 37°27'00.4", long 90°49'37.6" referenced to North American Datum of 1983, in NW ¼ SE ¼ SE ¼ sec.35, T.34 N., R.2 E., Reynolds County, MO, Hydrologic Unit 11010007, on left bank at bridge on MO Highway 21 at Lesterville and 0.8 mile upstream from Black River.

DRAINAGE AREA.--93.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1960 to September 1990, January 2006 to Dec. 7, 2009.

GAGE.--Water-stage recorder and crest stage gage. Datum of gage is 655.15 ft above North American Vertical Datum of 1988.

REMARKS.--Water-discharge records fair. Flow regulated by upstream reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1935 reached a stage of about 13.8 ft from information by local resident.

EXTREMES FOR CURRENT YEAR.--For the period Oct. 1 to Dec. 7, maximum discharge, unknown, Oct. 30, gage height, 10.62 ft; minimum discharge, 20 ft³/s, Nov. 30, gage height, 3.40 ft.

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54	619	e41	---	---	---	---	---	---	---	---	---
2	51	385	44	---	---	---	---	---	---	---	---	---
3	35	361	43	---	---	---	---	---	---	---	---	---
4	23	314	42	---	---	---	---	---	---	---	---	---
5	22	213	42	---	---	---	---	---	---	---	---	---
6	30	173	41	---	---	---	---	---	---	---	---	---
7	35	103	41	---	---	---	---	---	---	---	---	---
8	60	119	---	---	---	---	---	---	---	---	---	---
9	1,460	78	---	---	---	---	---	---	---	---	---	---
10	713	41	---	---	---	---	---	---	---	---	---	---
11	253	45	---	---	---	---	---	---	---	---	---	---
12	153	56	---	---	---	---	---	---	---	---	---	---
13	118	51	---	---	---	---	---	---	---	---	---	---
14	109	50	---	---	---	---	---	---	---	---	---	---
15	247	45	---	---	---	---	---	---	---	---	---	---
16	275	560	---	---	---	---	---	---	---	---	---	---
17	190	887	---	---	---	---	---	---	---	---	---	---
18	168	729	---	---	---	---	---	---	---	---	---	---
19	156	569	---	---	---	---	---	---	---	---	---	---
20	129	407	---	---	---	---	---	---	---	---	---	---
21	85	313	---	---	---	---	---	---	---	---	---	---
22	122	230	---	---	---	---	---	---	---	---	---	---
23	2,850	154	---	---	---	---	---	---	---	---	---	---
24	566	169	---	---	---	---	---	---	---	---	---	---
25	305	163	---	---	---	---	---	---	---	---	---	---
26	258	145	---	---	---	---	---	---	---	---	---	---
27	207	115	---	---	---	---	---	---	---	---	---	---
28	395	100	---	---	---	---	---	---	---	---	---	---
29	791	108	---	---	---	---	---	---	---	---	---	---
30	e9,450	e47	---	---	---	---	---	---	---	---	---	---
31	1,500	---	---	---	---	---	---	---	---	---	---	---
Mean	671	245	---	---	---	---	---	---	---	---	---	---
Max	9,450	887	---	---	---	---	---	---	---	---	---	---
Min	22	41	---	---	---	---	---	---	---	---	---	---
In.	8.25	2.91	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2010^a, BY WATER YEAR (WY)

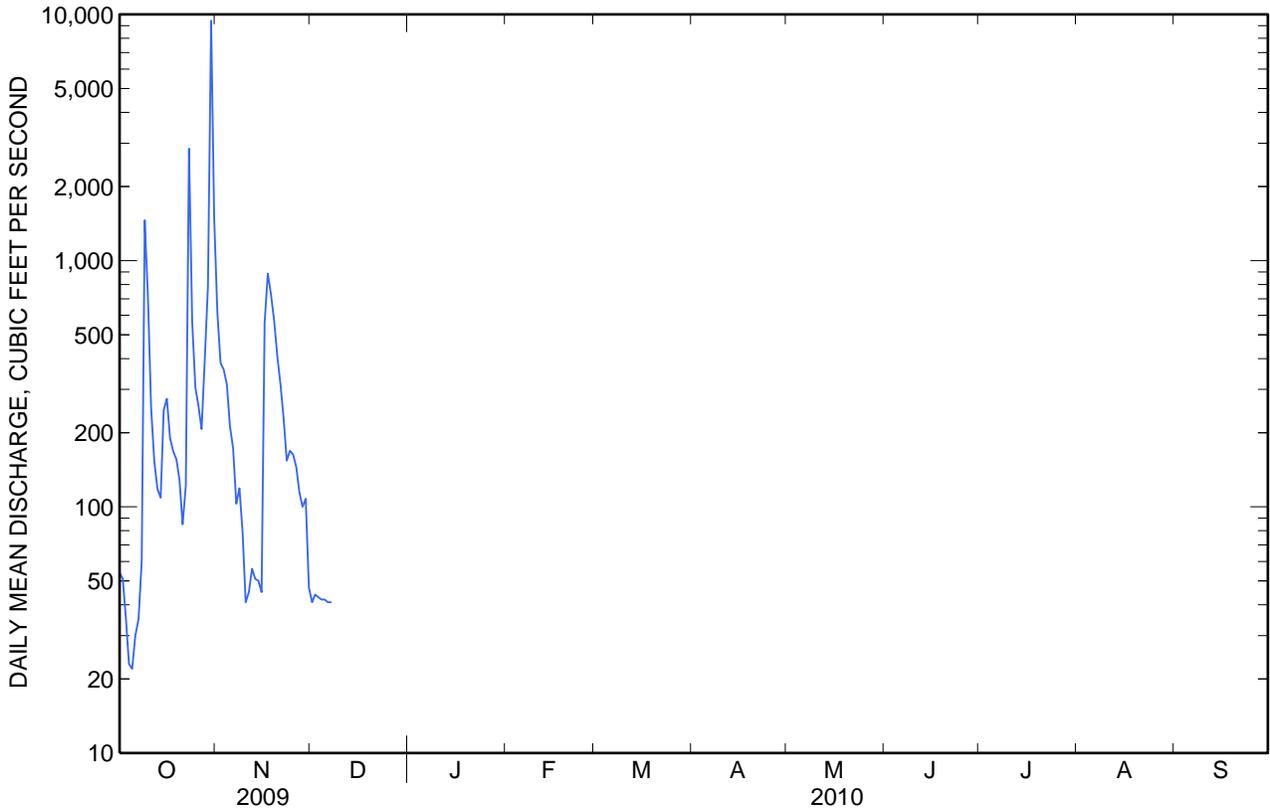
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	50.5	156	196	108	168	244	241	162	73.2	19.0	26.8	36.7
Max	671	1,179	896	313	455	783	657	741	705	212	305	285
(WY)	(2010)	(1986)	(1983)	(1969)	(1985)	(2008)	(1983)	(1990)	(1985)	(1981)	(1982)	(1970)
Min	0.54	2.65	5.20	4.53	9.63	32.6	73.3	14.3	3.38	0.44	0.39	0.26
(WY)	(1964)	(1966)	(1981)	(1977)	(1963)	(1981)	(1980)	(1965)	(1978)	(1964)	(1988)	(1983)

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

SUMMARY STATISTICS

	Water Years 1960 - 2010 ^a	
Annual mean	122	
Highest annual mean	334	1985
Lowest annual mean	25.8	1965
Highest daily mean	13,200	Nov 19, 1985
Lowest daily mean	0.00	Several Years
Annual seven-day minimum	0.00	Several Years
Maximum peak flow	35,800	Nov 19, 1985
Maximum peak stage	12.53	Nov 19, 1985
Instantaneous low flow	0.00	Several Years
Annual runoff (inches)	17.66	
10 percent exceeds	237	
50 percent exceeds	28	
90 percent exceeds	2.0	

^a For Period of Record



07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2006 to December 2007.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2006 to January 2010.

pH: January 2006 to January 2010.

WATER TEMPERATURE: January 2006 to January 2010.

DISSOLVED OXYGEN: January 2006 to January 2010.

TURBIDITY: January 2006 to January 2010.

SUSPENDED-SEDIMENT CONCENTRATION: January 2006 to December 2007.

SUSPENDED-SEDIMENT DISCHARGE: January 2006 to December 2007.

INSTRUMENTATION.--YSI 6920-V2 multi-parameter water-quality monitor.

REMARKS.--

SPECIFIC CONDUCTANCE: Record good.

PH: Record poor.

WATER TEMPERATURE: Record good.

DISSOLVED OXYGEN: Record good, except Dec. 25-Jan. 5 which are fair, and Jan. 6-19 which are poor.

TURBIDITY: Record fair. Data collected with a YSI 6136 turbidity sensor. Negative recorded values are reported as 0 FNU.

Interruptions or periods of missing record may be due to instrument failure, no flow conditions, or data corrections exceeding allowable criteria, which were deleted.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 265 μ S/cm, Sep. 24, 25, 2006; minimum recorded, 39 μ S/cm, Oct. 30, 2009.

pH: Maximum recorded, 8.4 standard units, Feb. 10, 11, 2007, Apr. 4, 2009; minimum recorded, 6.5 standard units, Mar. 20, 2008.

WATER TEMPERATURE: Maximum recorded, 32.9 °C, Aug. 17, 2007; minimum recorded, 0.0 °C, Feb. 3, 2007.

DISSOLVED OXYGEN: Maximum recorded, 17.5 mg/L, Mar. 8, 2006; minimum recorded, 2.5 mg/L, May 6, 2006.

TURBIDITY: Maximum recorded, 490 FNU, Mar. 18, 2008; minimum recorded, 0.0 FNU, Nov. 13, 2007, Aug. 19, 23, 24, 2008, many days in 2009.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 257 μ S/cm, Mar. 13, 14, 2006; minimum daily, 44 μ S/cm, Mar. 19, 2008.

pH: Maximum daily, 8.3 standard units, Jan. 30, 2008; minimum daily, 6.9 standard units, Mar. 21, Apr. 11, 2008.

WATER TEMPERATURE: Maximum daily, 30.7 °C, Aug. 9, 2007; minimum daily, 0.2 °C, Jan. 27, 2009.

DISSOLVED OXYGEN: Maximum daily, 15.8 mg/L, Jan. 25, 2008; minimum daily, 3.6 mg/L, May 6, 2006.

TURBIDITY: Maximum daily, 200 FNU, Oct. 28, 2006; minimum daily, 0 FNU, Jun. 23-25, Jul. 3, 4, 2009.

SUSPENDED-SEDIMENT CONCENTRATION: (water years 2006-08) Maximum daily, 586 mg/L, May 4, 2007; minimum daily, 0.0 mg/L, Oct. 10, 2007.

SUSPENDED-SEDIMENT DISCHARGE: (water years 2006-08) Maximum daily, 2,370 tons, May 4, 2007; minimum daily, 0.0 tons, Oct. 10, Nov. 4, 2007.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 159 μ S/cm, Oct. 7; minimum recorded, 39 μ S/cm, Oct. 30.

pH: Maximum recorded, 8.0 standard units, Oct. 2, 5; minimum recorded, 7.0 standard units, Jan. 5-7.

WATER TEMPERATURE: Maximum recorded, 20.6 °C, Oct. 1; minimum recorded, 0.1 °C, Jan. 8, 10.

DISSOLVED OXYGEN: Maximum recorded, 13.3 mg/L, Jan. 8, 10; minimum recorded, 7.2 mg/L, Oct. 1, 2, 4.

TURBIDITY: Maximum recorded, 71 FNU, Dec. 24; minimum recorded, 2.5 FNU, Oct. 22.

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	153	152	152	63	48	55	---	---	---	83	81	81
2	154	152	152	64	59	61	---	---	---	85	83	84
3	155	153	154	67	58	62	---	---	---	86	85	85
4	157	155	156	71	66	68	---	---	---	88	86	86
5	157	155	156	73	67	70	---	---	---	90	88	89
6	157	150	154	82	72	74	---	---	---	90	89	90
7	159	156	158	87	81	84	109	106	108	92	89	91
8	158	148	155	83	77	80	110	106	108	100	92	97
9	148	95	132	87	80	83	111	105	108	103	99	102
10	137	121	127	89	86	88	106	104	105	105	102	103
11	127	120	125	89	87	88	109	105	106	110	102	104
12	120	116	118	89	87	88	109	103	106	105	102	104
13	117	115	116	92	88	90	109	105	108	106	104	105
14	118	117	117	92	88	90	110	108	109	108	106	107
15	118	112	114	96	91	92	109	107	108	109	107	108
16	116	112	114	96	84	90	109	106	107	109	107	108
17	118	116	117	90	85	87	111	108	109	111	108	109
18	120	116	117	89	86	88	111	109	110	111	108	110
19	121	118	119	89	86	88	113	111	113	112	111	111
20	122	120	121	90	87	89	113	111	112	---	---	---
21	126	121	123	93	89	91	113	112	113	---	---	---
22	127	100	123	96	90	92	116	112	113	---	---	---
23	109	81	96	97	94	95	117	114	116	---	---	---
24	84	79	81	99	95	96	115	100	109	---	---	---
25	82	77	79	100	93	97	103	92	100	---	---	---
26	82	80	81	98	93	96	93	78	83	---	---	---
27	84	80	82	99	96	97	80	78	80	---	---	---
28	83	80	82	102	97	99	80	79	79	---	---	---
29	85	82	83	103	98	101	80	79	79	---	---	---
30	82	39	56	106	100	104	82	80	80	---	---	---
31	48	44	46	---	---	---	81	80	81	---	---	---
Month	159	39	116	106	48	86	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

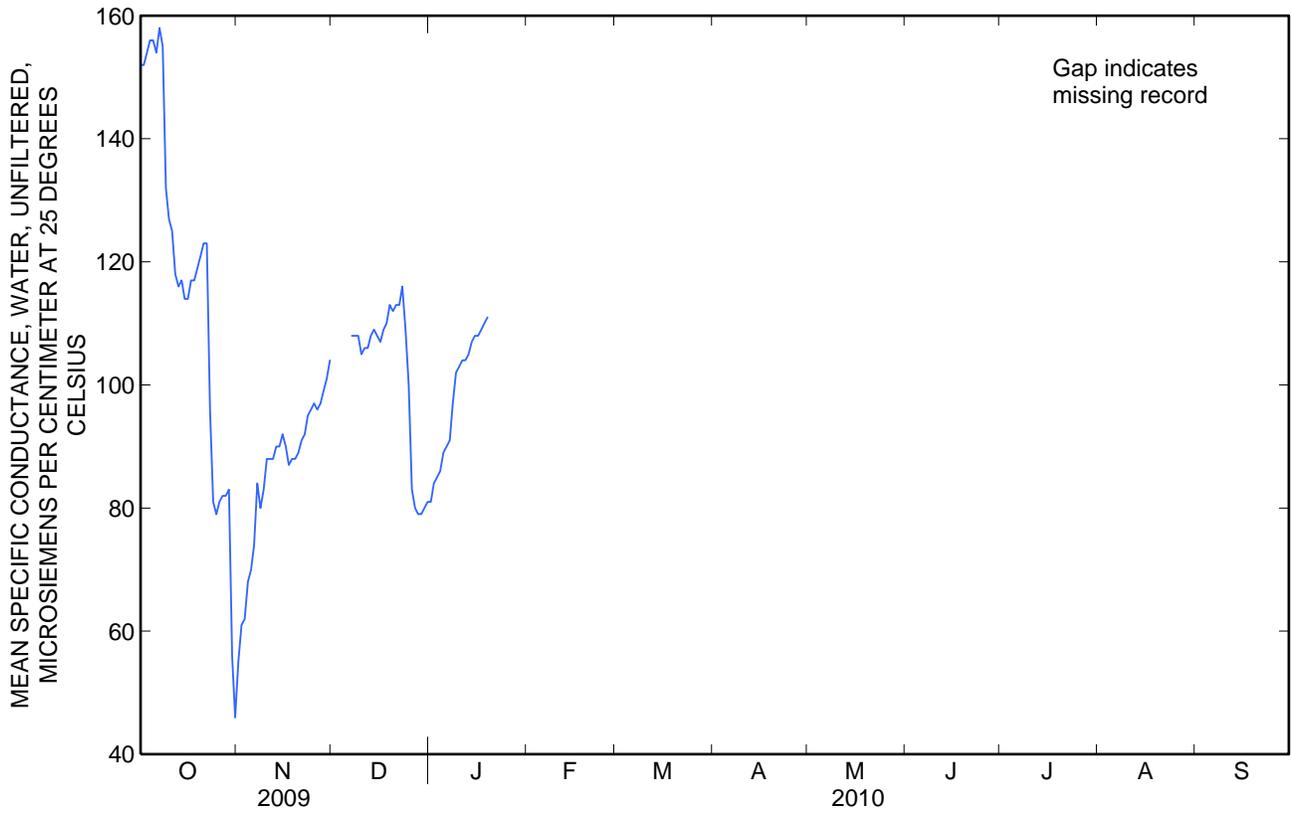
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
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29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued



07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.8	7.6	7.7	---	---	---	---	---	---	7.2	7.1	7.2
2	8.0	7.6	7.7	---	---	---	7.3	7.2	7.3	7.3	7.1	7.2
3	7.9	7.6	7.7	---	---	---	7.4	7.3	7.3	7.3	7.1	7.2
4	7.8	7.6	7.7	---	---	---	7.4	7.3	7.4	7.3	7.2	7.2
5	8.0	7.6	7.7	---	---	---	---	---	---	7.2	7.0	7.2
6	7.8	7.6	7.7	---	---	---	---	---	---	7.2	7.0	7.1
7	7.9	7.6	7.8	---	---	---	7.4	7.2	7.3	7.2	7.0	7.2
8	7.8	7.6	7.7	---	---	---	7.4	7.3	7.3	7.3	7.1	7.2
9	7.7	7.4	7.6	---	---	---	7.5	7.3	7.3	7.3	7.1	7.2
10	7.7	7.6	7.6	---	---	---	7.4	7.3	7.3	7.2	---	---
11	7.7	7.5	7.6	---	---	---	7.4	7.3	7.3	---	---	---
12	7.6	7.5	7.5	---	---	---	7.4	7.3	7.3	---	---	---
13	7.6	7.5	7.5	---	---	---	7.4	7.2	7.3	---	---	---
14	7.6	7.5	7.6	---	---	---	7.4	7.3	7.3	---	---	---
15	7.7	7.5	7.6	---	---	---	7.4	7.3	7.3	---	---	---
16	7.6	7.5	7.6	---	---	---	7.4	7.3	7.4	---	---	---
17	7.7	7.6	7.6	---	---	---	7.4	7.3	7.3	---	---	---
18	7.7	7.6	7.6	---	---	---	7.4	7.3	7.3	---	---	---
19	7.7	7.6	7.6	---	---	---	7.4	7.3	7.3	---	---	---
20	7.7	7.6	7.6	---	---	---	7.4	7.3	7.4	---	---	---
21	7.6	7.5	7.6	---	---	---	7.4	7.3	7.4	---	---	---
22	7.7	7.5	7.6	---	---	---	7.4	7.3	7.4	---	---	---
23	7.6	7.4	7.5	---	---	---	7.5	7.2	7.3	---	---	---
24	7.5	7.3	7.4	---	---	---	7.4	7.3	7.4	---	---	---
25	7.4	7.3	7.4	---	---	---	7.3	7.2	7.3	---	---	---
26	7.4	7.3	7.4	---	---	---	7.3	7.1	7.2	---	---	---
27	7.4	7.4	7.4	---	---	---	7.2	7.1	7.1	---	---	---
28	7.4	7.4	7.4	---	---	---	7.2	7.1	7.1	---	---	---
29	7.4	7.4	7.4	---	---	---	7.2	7.1	7.1	---	---	---
30	7.4	---	---	---	---	---	7.2	7.1	7.1	---	---	---
31	---	---	---	---	---	---	7.2	7.1	7.1	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

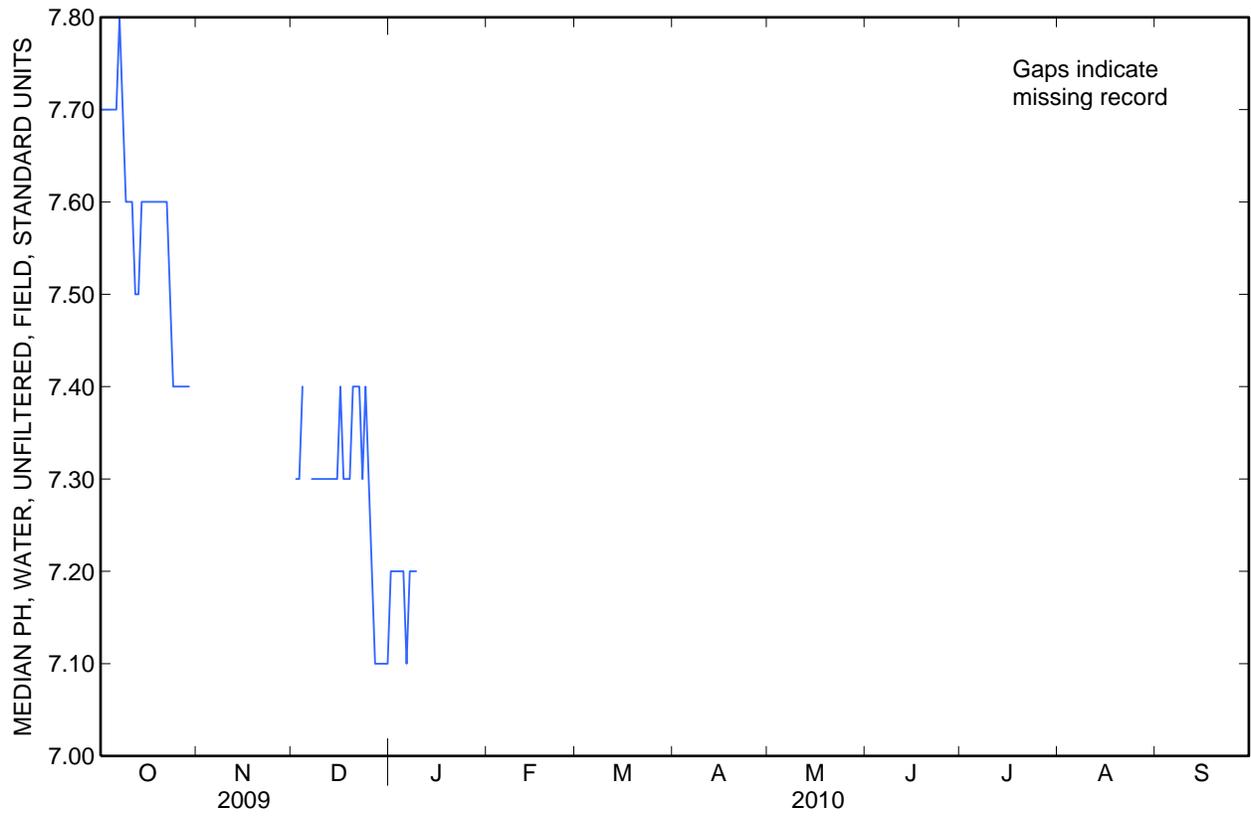
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
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07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
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07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued



07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	20.6	18.9	19.7	14.9	12.9	13.7	---	---	---	4.9	2.9	3.8
2	20.5	18.0	19.4	15.2	12.6	13.7	---	---	---	3.8	2.0	2.9
3	19.5	16.5	18.2	14.7	12.6	13.6	---	---	---	3.3	2.1	2.7
4	18.8	16.8	17.6	14.7	12.3	13.1	---	---	---	2.6	0.7	1.7
5	18.9	15.4	17.2	14.7	11.7	12.9	---	---	---	2.3	0.2	1.2
6	18.9	17.8	18.4	14.8	11.6	13.0	---	---	---	2.2	0.3	1.3
7	18.8	16.0	17.6	15.4	12.0	13.6	8.0	---	---	2.1	0.9	1.6
8	18.2	17.3	17.6	15.2	11.9	13.6	7.4	6.8	7.0	1.3	0.1	0.7
9	17.9	16.6	17.4	14.2	12.9	13.6	7.4	5.6	6.5	2.3	0.4	1.2
10	17.9	16.2	17.0	15.2	13.2	14.2	6.8	5.0	5.7	2.0	0.1	1.1
11	17.7	15.6	16.4	15.2	13.1	14.1	6.8	4.8	5.6	3.4	1.1	2.2
12	16.6	15.4	15.9	13.5	10.9	12.4	6.1	5.3	5.7	3.7	1.3	2.6
13	15.9	14.8	15.3	13.4	11.0	12.4	6.9	5.8	6.2	3.8	1.1	2.6
14	15.2	14.6	14.9	14.4	11.6	13.1	7.4	5.6	6.3	4.7	3.0	3.7
15	14.9	14.3	14.5	14.2	12.5	13.5	6.1	4.5	5.2	6.3	4.5	5.3
16	14.8	13.8	14.4	14.1	12.9	13.4	6.0	3.9	4.9	6.3	5.2	5.8
17	14.6	13.2	13.8	13.0	12.3	12.8	6.0	4.0	4.9	7.0	5.1	6.0
18	15.5	12.5	13.6	12.3	11.9	12.1	6.0	4.8	5.3	6.0	4.8	5.4
19	15.4	12.1	13.4	13.0	11.3	12.0	5.3	4.2	4.7	---	4.5	---
20	16.0	12.3	13.8	12.8	11.0	11.6	4.7	3.9	4.2	---	---	---
21	14.6	12.5	13.5	12.7	10.9	11.6	5.0	3.6	4.3	---	---	---
22	14.6	13.9	14.1	13.1	11.0	11.9	5.5	3.8	4.5	---	---	---
23	14.6	13.9	14.2	12.4	10.9	11.7	6.5	5.4	6.0	---	---	---
24	15.2	13.5	14.2	12.2	11.1	11.8	6.2	5.3	5.8	---	---	---
25	14.4	13.4	13.8	12.3	10.0	11.0	5.6	5.1	5.3	---	---	---
26	14.2	13.7	13.9	11.6	9.8	10.4	5.8	5.1	5.3	---	---	---
27	14.0	13.6	13.8	11.5	8.6	10	5.6	4.6	5.1	---	---	---
28	14.2	13.4	13.8	11.9	8.8	10.4	6.3	4.4	5.0	---	---	---
29	14.0	13.2	13.5	11.5	9.6	10.5	5.8	4.2	4.8	---	---	---
30	15.5	14.0	14.8	11.0	9.4	10.1	4.8	4.4	4.6	---	---	---
31	15.0	13.8	14.4	---	---	---	5.3	4.1	4.9	---	---	---
Month	20.6	12.1	15.5	15.4	8.6	12.4	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

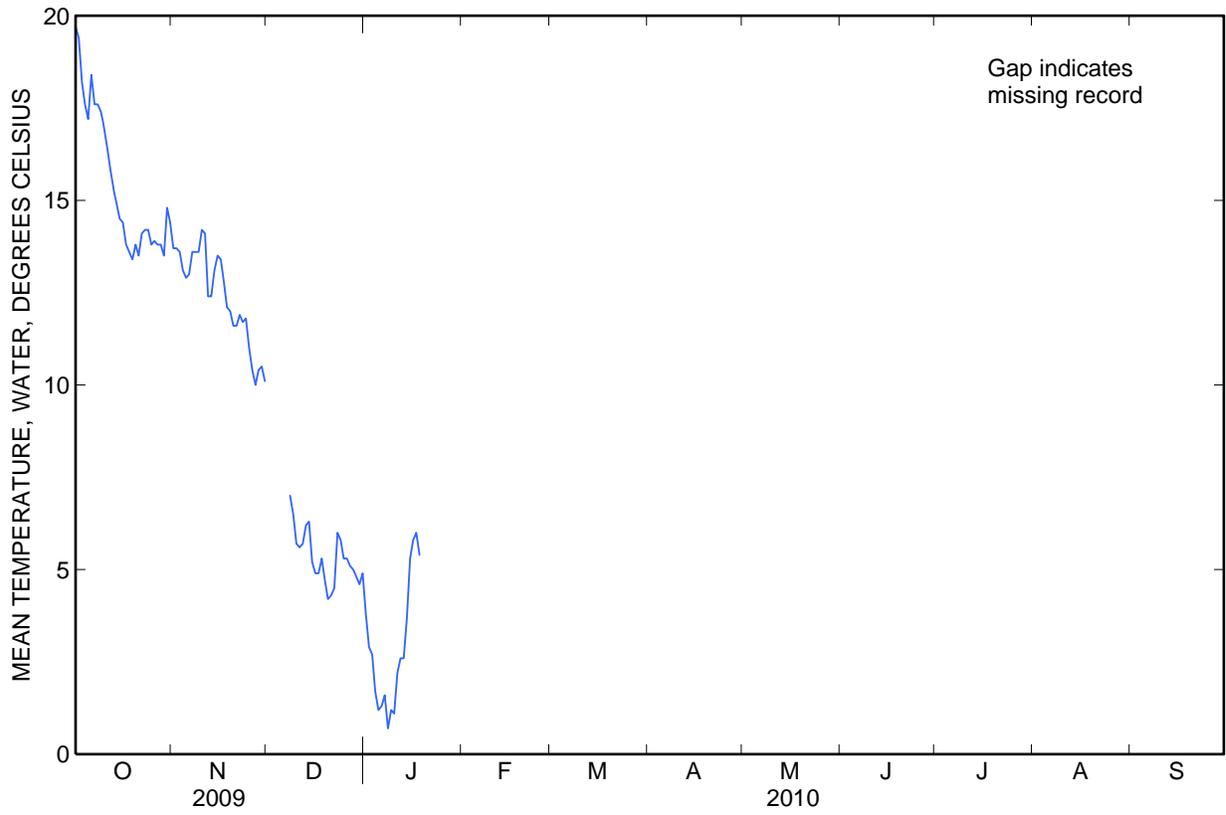
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
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07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
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07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued



07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	8.7	7.2	7.8	9.9	9.7	9.8	11.3	---	---	12.4	12.0	12.2
2	9.2	7.2	8.0	9.9	9.4	9.7	11.0	10.6	10.8	12.8	12.2	12.5
3	9.2	7.4	8.1	10.0	9.5	9.8	11.5	10.8	11.1	12.7	12.4	12.5
4	9.0	7.2	8.0	10.1	9.8	9.9	11.8	11.1	11.5	13.1	12.6	12.9
5	9.6	7.7	8.4	10.1	9.6	9.9	12.1	11.4	11.7	13.2	12.7	13.0
6	8.7	7.4	7.9	10.0	9.6	9.8	12.1	11.4	11.7	13.2	12.5	12.9
7	9.6	7.3	8.2	9.8	9.2	9.5	11.8	11.3	11.5	12.9	12.5	12.7
8	8.7	7.5	8.1	10.0	9.4	9.7	11.5	11.0	11.3	13.3	12.8	13.0
9	8.9	8.1	8.6	9.7	9.3	9.6	12.0	10.9	11.6	13.2	12.7	12.9
10	9.0	8.6	8.8	9.8	9.2	9.4	12.3	11.9	12.1	13.3	12.6	13.0
11	9.1	8.6	8.8	9.9	9.2	9.6	12.5	11.8	12.2	12.8	12.2	12.6
12	9.0	8.6	8.7	10.4	9.5	9.9	12.4	11.7	12.0	12.9	12.2	12.5
13	9.0	8.6	8.8	10.4	9.5	9.9	12.2	11.6	11.9	12.8	12.0	12.4
14	9.1	8.7	8.8	10.4	9.4	9.8	12.1	11.8	11.9	12.1	11.6	11.9
15	9.3	8.7	9.0	10.3	9.3	9.7	12.6	11.9	12.2	11.8	11.2	11.6
16	9.4	9.1	9.3	10.3	9.1	9.8	12.7	12.1	12.4	11.8	11.1	11.4
17	9.6	9.3	9.4	10.3	10.1	10.2	12.6	11.9	12.3	11.7	11.0	11.3
18	9.8	9.3	9.5	10.4	10.2	10.3	12.2	11.8	12.0	11.8	11.0	11.3
19	9.8	9.2	9.5	10.6	10.3	10.4	12.2	11.8	12.0	11.8	11.1	11.3
20	9.8	9.1	9.4	10.6	10.3	10.4	12.5	12.0	12.2	---	---	---
21	9.6	8.8	9.3	10.6	10.1	10.4	12.5	12.0	12.2	---	---	---
22	9.6	8.7	9.0	10.6	9.9	10.2	12.5	11.7	12.2	---	---	---
23	9.8	9.0	9.6	10.4	9.9	10.2	12.0	11.5	11.7	---	---	---
24	9.4	9.2	9.3	10.3	10.0	10.1	12.2	11.5	11.8	---	---	---
25	9.5	9.3	9.4	10.7	10.0	10.3	12.2	11.8	12.0	---	---	---
26	9.7	9.4	9.5	10.8	10.2	10.5	11.9	11.8	11.9	---	---	---
27	9.5	9.1	9.3	10.9	10.2	10.6	12.0	11.8	11.9	---	---	---
28	9.6	9.1	9.4	10.9	10.1	10.5	12.0	11.8	11.9	---	---	---
29	9.6	9.4	9.5	10.7	10.2	10.4	12.2	11.9	12.0	---	---	---
30	10.1	9.6	9.8	10.9	10.2	10.4	12.0	11.8	11.9	---	---	---
31	9.9	9.7	9.8	---	---	---	12.0	11.8	11.9	---	---	---
Month	10.1	7.2	8.9	10.9	9.1	10.0	12.7	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

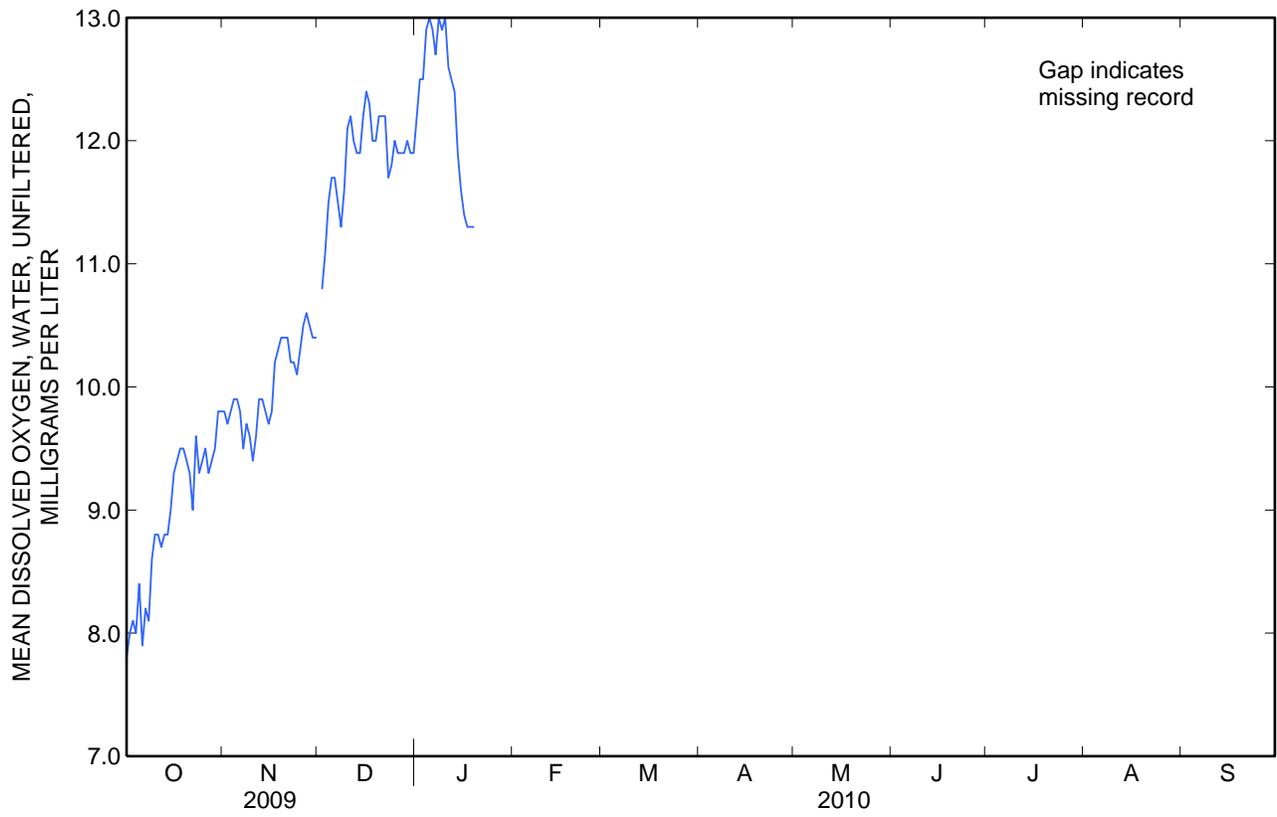
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
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07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
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29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued



07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	26	7.5	12	---	---	---	---	---	---	39	34	36
2	10	5.1	7.6	---	---	---	18	16	16	38	33	35
3	23	3.8	6.7	---	---	---	17	16	16	40	33	36
4	7.9	4.0	5.3	---	---	---	17	16	16	43	34	36
5	11	4.3	5.7	---	---	---	18	15	16	42	33	35
6	15	4.7	7.1	---	---	---	17	16	16	40	33	35
7	9.8	3.1	4.9	---	---	---	17	15	16	41	30	34
8	16	3.4	5.7	---	---	---	22	15	17	36	26	30
9	44	6.8	17	---	---	---	26	19	21	39	26	29
10	8.5	5.3	6.8	---	---	---	22	18	19	36	25	31
11	5.6	4.7	5.1	---	---	---	20	17	18	42	30	34
12	5.6	4.6	5.0	---	---	---	20	17	19	42	30	36
13	5.2	4.2	4.5	---	---	---	20	17	18	41	30	37
14	9.2	4.0	4.5	---	---	---	19	18	18	42	33	38
15	14	4.2	6.6	---	---	---	19	17	18	45	34	39
16	6.4	5.1	5.7	---	---	---	19	17	18	46	34	38
17	5.4	4.3	4.8	---	---	---	18	16	17	46	30	36
18	5.2	4.1	4.7	---	---	---	19	16	17	43	28	33
19	5.3	4.2	4.7	---	---	---	18	16	16	45	29	33
20	4.6	3.4	4.0	---	---	---	20	16	16	---	---	---
21	4.5	2.6	3.5	---	---	---	17	16	16	---	---	---
22	48	2.5	6.0	---	---	---	18	16	16	---	---	---
23	59	20	31	---	---	---	18	15	16	---	---	---
24	29	21	25	---	---	---	71	16	35	---	---	---
25	22	16	19	---	---	---	50	32	35	---	---	---
26	---	14	---	---	---	---	42	35	39	---	---	---
27	13	7.2	9.4	---	---	---	42	37	39	---	---	---
28	9.6	7.0	7.8	---	---	---	41	37	38	---	---	---
29	18	5.8	7.5	---	---	---	40	36	38	---	---	---
30	65	---	---	---	---	---	39	35	37	---	---	---
31	---	---	---	---	---	---	38	35	37	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
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17	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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21	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07061300 EAST FORK BLACK RIVER AT LESTERVILLE, MO—Continued

