

Water-Data Report 2010

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR

Upper White Basin
Beaver Reservoir Subbasin

LOCATION.--Lat 36°25'15", long 93°50'50" referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.10, T.10 N., R.27 W., Carroll County, AR, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at river mile 609.

DRAINAGE AREA.--1,192 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1950 to 1953, and Oct 1967 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Jun 1999 to current year.

DISSOLVED OXYGEN: Jun 1999 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Dissolved oxygen and water temperature collected continuously Jun through Dec. Prior to Jun 1999, water temperature and dissolved oxygen collected 2.2 mi downstream at White River at Campground E near Busch (07049693). Water quality records are good for 2009 Water Year. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 11.9°C, Nov. 24, 28, 29; minimum, 6.6°C, June 1, 4, 7.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L, June 22; minimum, 5.2 mg/L, Nov. 23, July 15.

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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	---	---	---	11.1	10.4	11.0	11.6	9.8	10.7	---	---	---
2	---	---	---	11.7	10.2	10.9	11.5	10.3	10.7	---	---	---
3	11.3	9.8	10.4	11.4	10.0	10.7	11.5	9.7	10.5	---	---	---
4	---	---	---	11.5	10.1	11.0	11.4	9.2	10.4	---	---	---
5	10.8	10.1	10.4	11.3	9.9	10.8	11.4	9.0	10.2	---	---	---
6	---	---	---	11.5	10.2	10.9	11.4	9.6	10.6	---	---	---
7	---	---	---	11.5	10.5	10.9	11.4	10.1	10.6	---	---	---
8	10.9	10.3	10.5	11.4	10.3	11.1	11.3	10.2	10.6	---	---	---
9	10.9	10.2	10.5	11.3	10.4	10.8	11.3	10.2	10.9	---	---	---
10	10.9	10.0	10.4	11.5	10.3	10.8	11.2	9.5	10.4	---	---	---
11	10.9	10.2	10.5	11.3	10.1	10.8	11.1	9.5	10.5	---	---	---
12	10.9	10.2	10.5	11.4	10.2	10.8	10.9	10.1	10.5	---	---	---
13	10.9	10.2	10.4	11.5	9.9	10.9	11.1	10.1	10.6	---	---	---
14	11.0	10.2	10.5	11.6	10.5	10.9	11.3	10.0	10.7	---	---	---
15	10.9	10.2	10.5	11.4	10.5	11.1	10.8	9.8	10.3	---	---	---
16	11.1	10.1	10.5	11.7	10.5	11.1	11.2	9.7	10.5	---	---	---
17	11.0	10.1	10.7	11.8	10.2	11.2	11.1	9.7	10.4	---	---	---
18	11.1	10.1	10.6	11.6	10.4	11.1	11.2	9.9	10.5	---	---	---
19	11.2	10.1	10.6	11.7	10.0	11.1	10.5	9.5	10.1	---	---	---
20	11.3	10.2	10.7	11.6	10.6	11.1	11.0	9.8	10.3	---	---	---
21	11.2	10.3	10.6	11.6	10.3	10.9	11.1	9.7	10.2	---	---	---
22	---	---	---	11.7	10.4	11.4	10.8	9.7	10.3	---	---	---
23	11.1	10.0	10.4	11.6	10.2	11.0	10.9	10.3	10.5	---	---	---
24	11.2	9.9	10.6	11.9	10.2	10.8	10.4	8.8	10.1	---	---	---
25	11.3	10.2	10.7	11.8	9.7	10.7	10.1	8.8	9.3	---	---	---
26	11.2	10.3	10.7	11.7	9.6	10.6	10.0	7.9	9.0	---	---	---
27	11.1	10.2	10.7	11.8	9.5	10.7	9.6	8.5	9.1	---	---	---
28	11.5	10.2	10.8	11.9	10.4	11.3	9.7	8.5	9.3	---	---	---
29	11.4	10.2	10.8	11.9	10.1	11.0	9.9	8.6	9.2	---	---	---
30	11.4	10.3	11.1	11.6	9.9	11.1	9.5	9.0	9.3	---	---	---
31	11.3	10.5	11.1	---	---	---	9.6	8.8	9.2	---	---	---
Month	---	---	---	11.9	9.5	10.9	11.6	7.9	10.2	---	---	---

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
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28	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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		
1	7.8	6.6	7.0	7.8	7.5	7.7	9.7	7.8	8.3	9.5	8.2	8.6
2	8.2	6.7	7.1	7.8	7.7	7.7	9.2	7.8	8.2	9.6	8.1	8.6
3	8.3	6.7	7.1	8.0	7.2	7.6	9.0	7.7	8.2	10.3	8.0	8.7
4	8.3	6.6	7.1	8.1	7.2	7.5	---	---	---	10.1	7.8	8.6
5	8.1	6.7	7.1	7.9	7.6	7.8	8.8	7.9	8.2	9.9	7.9	8.6
6	8.2	6.7	7.1	8.1	7.3	7.7	9.4	7.8	8.2	9.8	8.1	8.6
7	7.3	6.6	6.9	8.2	7.3	7.5	9.5	7.8	8.4	9.3	8.2	8.5
8	---	---	---	8.0	7.2	7.5	10.1	8.0	8.5	9.0	8.1	8.4
9	8.4	6.8	7.1	8.0	7.4	7.7	10.1	7.8	8.3	9.3	8.2	8.6
10	8.1	6.8	7.2	8.8	7.5	7.9	10.0	8.0	8.4	9.7	8.2	8.6
11	7.6	6.9	7.1	8.6	7.5	7.8	9.3	8.1	8.4	9.7	8.1	8.6
12	8.0	6.8	7.2	8.1	7.4	7.7	9.5	8.0	8.4	9.8	8.0	8.5
13	8.5	6.8	7.3	8.3	7.4	7.8	9.8	8.0	8.4	9.0	8.0	8.3
14	8.6	6.9	7.2	8.3	7.3	7.7	9.6	8.0	8.5	9.0	8.0	8.4
15	8.0	6.8	7.2	8.5	7.4	7.8	10.0	8.0	8.5	10.0	8.0	8.4
16	8.2	6.8	7.2	9.0	7.4	7.8	9.9	7.9	8.3	9.4	8.0	8.4
17	8.4	6.8	7.2	8.9	7.4	7.9	9.2	7.9	8.3	9.3	8.0	8.4
18	8.3	6.8	7.2	8.2	7.5	7.7	10.0	8.2	8.6	9.9	8.1	8.4
19	8.3	6.8	7.2	8.9	7.5	7.8	10.0	8.1	8.6	9.9	8.0	8.4
20	8.3	6.8	7.3	8.5	7.5	8.0	10.0	8.1	8.4	9.2	8.0	8.4
21	8.5	6.9	7.4	8.9	7.6	7.9	10.4	8.3	8.9	9.3	8.0	8.4
22	8.6	6.9	7.3	8.8	7.6	8.0	9.7	8.0	8.4	9.4	8.1	8.5
23	8.7	6.9	7.4	8.8	7.8	8.1	10.2	7.9	8.5	9.5	8.2	8.6
24	7.5	6.9	7.3	8.6	7.8	8.0	10.3	7.9	8.6	9.4	8.0	8.5
25	7.6	7.3	7.5	9.1	7.5	8.1	10.2	8.0	8.8	9.3	8.0	8.5
26	7.7	7.4	7.5	9.3	7.5	8.0	10.3	7.9	8.6	8.8	8.3	8.5
27	7.7	7.5	7.6	9.7	7.6	8.0	10.1	7.9	8.5	9.7	7.9	8.5
28	7.9	7.4	7.7	9.1	7.7	8.1	9.9	7.7	8.5	9.7	7.9	8.4
29	7.9	7.6	7.7	9.0	7.7	8.1	9.8	8.1	8.5	9.2	7.8	8.3
30	7.8	7.3	7.6	9.3	7.8	8.2	9.6	8.3	8.5	9.4	7.9	8.5
31	---	---	---	9.3	7.7	8.2	10.0	8.3	8.7	---	---	---
Month	---	---	---	9.7	7.2	7.8	---	---	---	10.3	7.8	8.5

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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	---	---	---	10.2	7.7	8.8	10.1	6.1	7.7	---	---	---
2	---	---	---	10.0	5.9	7.2	10.0	5.8	7.2	---	---	---
3	9.9	7.3	8.2	9.8	5.6	7.1	10.6	6.1	7.6	---	---	---
4	---	---	---	9.6	5.7	7.4	8.5	6.0	6.9	---	---	---
5	10.3	7.1	7.9	10.1	5.9	7.5	9.1	6.5	7.4	---	---	---
6	---	---	---	8.8	5.9	7.1	11.2	6.5	7.9	---	---	---
7	---	---	---	9.0	6.2	7.3	10.1	6.3	7.5	---	---	---
8	9.4	7.0	8.0	10.3	6.7	8.5	8.8	6.0	7.0	---	---	---
9	---	---	---	9.9	6.0	7.4	11.4	7.4	9.8	---	---	---
10	---	---	---	10.0	5.8	7.3	10.5	7.2	8.5	---	---	---
11	7.8	6.1	6.5	8.8	5.8	7.1	10.3	6.9	7.8	---	---	---
12	8.0	5.6	6.4	8.8	5.4	6.9	8.2	5.8	6.8	---	---	---
13	10.2	5.7	6.9	8.5	5.8	7.2	10.7	6.9	8.0	---	---	---
14	10.4	5.6	7.0	9.9	5.7	6.8	12.2	6.6	9.3	---	---	---
15	10.2	5.5	6.7	9.8	6.1	8.1	11.2	6.8	8.5	---	---	---
16	9.8	5.8	6.9	9.8	5.4	6.7	12.9	7.8	10.2	---	---	---
17	9.9	6.2	8.2	9.9	5.5	6.9	11.2	7.4	9.3	---	---	---
18	9.6	6.8	7.7	9.9	5.8	7.4	11.7	7.6	9.7	---	---	---
19	7.8	6.3	6.9	9.0	5.7	7.0	10.7	7.6	8.6	---	---	---
20	9.1	5.8	7.2	8.6	5.9	7.2	11.8	7.5	10.1	---	---	---
21	9.8	5.7	6.9	8.0	5.7	6.5	11.3	7.4	9.6	---	---	---
22	---	---	---	9.6	6.1	8.0	10.3	7.1	9.0	---	---	---
23	9.6	5.6	7.3	9.1	5.2	6.9	11.1	8.6	9.5	---	---	---
24	8.9	5.7	7.3	9.3	6.1	7.3	10.5	7.5	8.8	---	---	---
25	10.1	5.8	7.0	10.1	5.8	7.5	11.7	9.6	10.7	---	---	---
26	9.2	5.9	6.8	9.2	6.0	7.3	12.3	10.0	11.2	---	---	---
27	9.6	5.7	7.3	10.0	5.9	7.4	11.9	10.3	10.9	---	---	---
28	9.7	5.8	7.1	10.2	5.9	7.9	12.8	10.3	11.5	---	---	---
29	10.0	5.8	7.2	9.1	5.6	6.8	12.3	10.3	11.1	---	---	---
30	10.0	6.2	8.2	9.7	5.8	7.5	12.9	10.3	11.0	---	---	---
31	9.9	7.5	8.8	---	---	---	12.6	10.4	11.1	---	---	---
Month	---	---	---	10.3	5.2	7.3	12.9	5.8	9.0	---	---	---

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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8	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—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	11.1	8.6	9.7	11.2	9.3	10.6	11.7	8.2	9.8	10.1	6.8	8.2
2	12.3	8.9	10.1	11.2	9.7	10.5	11.9	7.8	9.3	10.5	6.5	8.3
3	11.9	9.3	10.1	12.0	8.7	10.0	11.3	7.8	9.1	10.2	7.2	8.6
4	12.8	9.3	10.3	11.3	8.7	9.8	---	---	---	10.1	7.2	8.8
5	12.1	9.3	10.2	11.0	8.4	10.1	11.4	7.4	9.0	10.3	7.9	8.7
6	12.2	9.3	10.3	11.8	8.5	9.6	11.8	7.6	9.1	10.6	7.5	8.5
7	12.2	9.1	10.2	11.1	8.9	9.8	11.3	8.2	9.7	9.8	7.0	8.3
8	---	---	---	12.1	8.8	9.7	10.9	7.9	9.3	9.7	6.2	7.9
9	13.1	10.3	11.2	11.5	7.8	9.6	11.0	8.0	9.0	9.4	6.2	8.0
10	12.9	10.3	11.1	12.0	7.4	9.1	11.5	7.3	9.0	9.7	6.4	7.9
11	13.1	10.2	11.1	11.2	5.5	8.7	11.6	7.3	8.9	9.8	7.5	8.3
12	13.5	10.2	11.1	10.9	6.2	8.5	11.1	7.2	8.7	9.5	7.2	8.3
13	13.0	10.2	11.1	11.5	6.5	8.7	11.4	7.1	8.4	9.9	6.1	7.8
14	12.9	10.0	11.0	11.4	6.0	8.2	10.8	6.8	8.5	9.2	6.0	7.5
15	12.8	9.9	11.0	10.4	5.2	8.1	10.5	6.7	8.5	10.2	6.8	8.0
16	13.2	9.9	10.9	10.7	6.7	8.8	11.0	6.7	9.2	9.8	7.2	8.1
17	13.0	9.8	10.8	11.3	7.6	9.3	10.5	7.5	8.9	9.8	6.0	7.7
18	12.5	9.8	10.7	12.1	6.5	9.2	10.3	7.4	8.5	9.7	7.2	8.0
19	11.4	9.6	10.3	11.9	6.9	8.9	10.3	7.8	8.5	9.1	6.1	7.4
20	12.8	9.6	10.5	11.6	8.4	10	11.4	7.0	8.4	10.0	6.5	7.8
21	13.4	9.7	10.8	11.0	7.7	9.3	10.7	7.4	8.9	10.6	6.4	7.9
22	13.9	9.5	10.5	11.2	6.6	9.2	10.6	7.4	8.5	10.5	6.3	8.0
23	13.8	9.5	10.4	11.5	7.0	9.2	10.7	7.0	8.3	11.8	6.3	9.1
24	11.3	9.4	9.7	12.0	7.0	9.3	10.6	6.6	8.5	9.1	5.9	7.8
25	10.7	9.4	9.6	10.0	5.7	8.7	10.7	7.4	8.9	10.4	7.1	8.2
26	9.7	9.4	9.5	11.2	6.4	8.8	11.3	7.4	9.0	10.8	6.9	8.2
27	9.6	8.9	9.4	11.7	7.4	9.5	10.7	7.3	8.5	11.1	7.3	8.3
28	11.1	8.9	9.2	11.8	8.0	9.3	10.2	7.5	8.6	9.2	7.2	7.9
29	10.8	8.9	9.2	11.9	8.1	9.3	10.2	6.5	8.2	9.9	7.1	8.0
30	12.8	9.0	9.8	11.7	8.1	9.3	9.8	6.7	7.9	9.1	6.8	8.0
31	---	---	---	11.8	8.0	9.5	11.4	6.9	8.6	---	---	---
Month	---	---	---	12.1	5.2	9.3	---	---	---	11.8	5.9	8.1

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 3

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conduc tance, water, unfiltered, µS/cm at 25 °C (00095)	Tempera ture, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Sampling method (82398)
10-22-2009	1122	742	6.12	56.1	6.36	161.8	10.34	--	--
11-04-2009	1145	772	8.00	75.5	7.44	172	13.36	< 2	Grab sample(dip)
11-11-2009	1030	749	6.23	58.0	6.8	153.3	11.36	--	--
12-02-2009	1311	737	8.82	81.6	7.04	168.3	10.39	--	--
01-25-2010	1236	754	10.93	91.6	7.89	148	7.25	< 2	Grab sample(dip)
03-03-2010	1006	751	14.34	116.5	7.6	150.8	5.87	--	--
03-24-2010	1148	738	12.19	103.0	7.61	151	6.73	< 2	Grab sample(dip)
05-05-2010	1253	750	11.93	100.4	7.97	151.7	7.2	--	--
05-18-2010	1135	737	11.50	105.3	7.55	159	9.98	E 2.21	Grab sample(dip)
06-16-2010	1134	751	11.98	104.3	7.65	150.7	8.67	--	--
07-15-2010	1057	738	10.52	102.5	7.15	161	12.71	< 2	Grab sample(dip)
07-28-2010	1009	752	10.92	96.8	7.33	148.8	9.46	--	--
08-18-2010	1335	742	10.93	107.2	7.53	149.8	13.28	--	--
09-09-2010	1528	739	9.7	90.6	7.57	161.9	10.96	--	--
09-16-2010	1140	742	8.87	80.5	7.18	157	9.88	< 2	Grab sample(dip)

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μ S/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, milligrams per liter as NH ₄ (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, milligrams per liter (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, milligrams per liter (71856)	Nitrite, water, filtered, mg/L as N (00613)	Organic nitrogen, water, filtered, mg/L (00607)
10-22-2009	--	--	--	--	--	--	--	--	--	--
11-04-2009	--	.173	E .0173	E .01342	.4091	E 1.803	E .4074	E .0057	E .00173	--
11-11-2009	--	--	--	--	--	--	--	--	--	--
12-02-2009	--	--	--	--	--	--	--	--	--	--
01-25-2010	--	.211	< .0258	< .02	.2825	< 1.251	< .2825	< .0066	< .002	--
03-03-2010	--	--	--	--	--	--	--	--	--	--
03-24-2010	.283	.125	E .0153	E .01186	.2521	E 1.108	E .2502	E .0062	E .0019	E .271
05-05-2010	--	--	--	--	--	--	--	--	--	--
05-18-2010	.287	.140	E .0172	E .01336	.2899	E 1.277	E .2884	E .0050	E .00153	E .274
06-16-2010	--	--	--	--	--	--	--	--	--	--
07-15-2010	.156	.145	< .0258	< .02	.3858	< 1.708	< .3858	< .0066	< .002	< .156
07-28-2010	--	--	--	--	--	--	--	--	--	--
08-18-2010	--	--	--	--	--	--	--	--	--	--
09-09-2010	--	--	--	--	--	--	--	--	--	--
09-16-2010	.181	.147	< .0258	< .02	.5421	< 2.400	< .5421	< .0066	< .002	< .181

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 3

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μ S/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophos phate, water, filtered, mg/L (00660)	Orthophos phate, water, filtered, mg/L as P (00671)	Phosphoru s, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)
10-22-2009	--	--	--	--	--	--	--
11-04-2009	E .160	< .0245	< .008	--	E .0043	--	.582
11-11-2009	--	--	--	--	--	--	--
12-02-2009	--	--	--	--	--	--	--
01-25-2010	< .211	< .0245	< .008	--	E .0059	--	.493
03-03-2010	--	--	--	--	--	--	--
03-24-2010	E .113	< .0245	< .008	< .006	E .0045	.535	.377
05-05-2010	--	--	--	--	--	--	--
05-18-2010	E .127	E .0155	E .00507	< .006	E .0054	.577	.430
06-16-2010	--	--	--	--	--	--	--
07-15-2010	< .145	E .0129	E .0042	< .006	< .008	.542	.531
07-28-2010	--	--	--	--	--	--	--
08-18-2010	--	--	--	--	--	--	--
09-09-2010	--	--	--	--	--	--	--
09-16-2010	< .147	< .0245	< .008	< .006	< .008	.723	.689