Water-Data Report 2008

07337000 RED RIVER AT INDEX, AR

Red-Little Basin
Pecan-Waterhole Subbasin

LOCATION.--Lat 33°33′07″, long 94°02′28″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.7, T.14 S., R.28 W., Miller County, AR, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Hwy 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,000 mi^2 of which 6,000 mi^2 probably is noncontributing, from report "Drainage Area Data, Arkansas, White and Red River Basins".

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jul 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above NGVD of 1929. Prior to Dec 1939, nonrecording gage, and Dec 1939, to Jul 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--Water-discharge records good. Some regulation and diversions since Oct 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sep 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 96,900 ft^3/s, Mar 22, gage height, 18.02 ft; minimum discharge, 2,100 ft^3/s, Nov 17, 18, gage height, 1.13 ft.

07337000 RED RIVER AT INDEX, AR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,810	3,800	5,720	4,080	5,920	11,900	33,500	41,700	9,440	4,840	3,920	3,900
2	8,480	3,090	4,370	4,280	4,210	12,000	36,600	37,000	8,120	4,890	3,920	4,030
3	8,410	2,890	3,680	4,400	3,470	10,200	37,200	33,700	8,040	5,090	3,900	4,350
4	8,490	3,170	3,520	3,940	4,530	12,600	39,200	28,200	6,770	5,160	3,970	4,350
5	7,600	3,510	3,740	3,820	4,340	25,500	48,800	23,500	6,800	4,640	4,000	3,480
6	6,000	3,090	3,610	3,510	4,620	43,400	56,400	20,300	5,420	4,370	3,890	2,880
7	5,930	3,530	2,990	3,230	4,510	52,300	51,600	15,500	4,320	4,310	3,520	3,620
8	5,890	4,110	3,040	3,580	4,270	52,400	39,600	12,200	4,330	4,330	2,780	4,190
9	5,700	3,210	3,530	4,450	3,460	45,500	37,800	12,700	4,610	4,290	2,370	4,270
10	5,400	2,650	3,410	4,340	3,160	39,100	45,300	11,800	5,150	4,190	2,680	4,290
11	4,780	2,970	3,580	4,020	3,300	35,200	42,700	10,700	5,260	4,150	3,270	3,910
12	4,530	3,280	3,450	3,780	4,110	31,700	37,600	9,690	4,930	4,110	3,510	2,960
13	4,860	2,930	3,190	3,560	5,990	29,500	39,200	8,980	4,090	4,250	3,590	2,520
14	4,570	2,570	4,230	3,860	5,990	28,400	44,500	10,900	4,520	4,430	3,510	3,990
15	4,300	2,690	5,880	3,530	5,060	25,400	44,700	15,000	7,180	4,380	2,910	5,380
16	4,300	2,500	6,970	3,800	4,550	20,800	43,500	19,800	8,880	4,310	2,550	5,660
17	4,810	2,170	8,390	3,820	7,690	16,800	44,200	15,600	11,700	4,270	3,040	6,070
18	6,940	2,130	9,470	3,830	17,100	15,100	43,600	12,600	13,800	4,300	3,480	5,210
19	8,740	2,220	8,550	4,090	32,900	19,700	39,500	11,000	11,800	4,260	4,080	3,540
20	8,800	2,190	8,040	3,830	38,300	52,100	39,400	9,700	10,600	4,290	4,330	2,860
21	5,940	2,730	7,980	3,370	30,400	79,500	44,800	8,840	10,700	4,360	4,070	3,790
22	4,780	3,050	7,410	3,800	22,100	94,100	49,100	7,910	10,500	4,340	3,580	4,450
23	5,220	2,520	6,630	3,820	17,500	86,000	48,900	7,720	8,730	4,240	3,190	4,580
24	5,580	2,470	6,000	3,720	16,300	59,700	46,300	8,210	7,490	4,170	3,480	4,570
25	4,710	3,350	5,410	4,300	15,800	44,000	41,300	7,550	6,730	4,170	4,790	4,140
26	4,940	4,080	5,150	4,690	16,100	42,600	36,800	6,460	6,250	4,200	6,050	3,140
27	4,760	3,860	4,870	6,180	15,200	41,900	35,000	5,910	5,550	4,170	5,450	2,720
28	3,500	4,270	5,210	7,620	13,600	37,100	34,500	6,910	5,070	4,150	4,780	3,580
29	3,240	6,060	5,230	7,130	12,300	32,200	37,400	8,270	4,980	4,080	4,520	4,420
30	3,420	6,400	4,490	6,870	---	28,800	41,400	9,980	4,880	4,060	4,290	4,990
31	3,530	---	3,920	6,840	---	28,300	---	11,600	---	4,020	4,040	---
Total	176,960	97,490	161,660	136,090	326,780	1,153,800	1,260,400	449,930	216,640	134,820	117,460	121,840
Mean	5,708	3,250	5,215	4,390	11,270	37,220	42,010	14,510	7,221	4,349	3,789	4,061
Max	8,810	6,400	9,470	7,620	38,300	94,100	56,400	41,700	13,800	5,160	6,050	6,070
Min	3,240	2,130	2,990	3,230	3,160	10,200	33,500	5,910	4,090	4,020	2,370	2,520
Ac-ft	351,000	193,400	320,700	269,900	648,200	2,289,000	2,500,000	892,400	429,700	267,400	233,000	241,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7,612	10,200	11,840	11,530	13,750	17,090	17,330	22,300	20,730	10,340	6,388	5,923
Max	41,690	47,140	47,910	60,160	38,960	67,730	61,460	121,000	94,400	76,590	56,020	30,340
(WY)	(1946)	(1975)	(1992)	(1998)	(1946)	(1945)	(1990)	(1990)	(1957)	(2007)	(2007)	(1950)
Min	716	642	1,206	1,313	1,726	2,233	2,096	2,940	2,282	1,162	1,025	909
(WY)	(1957)	(1957)	(1957)	(2006)	(2006)	(1967)	(1956)	(2005)	(2005)	(1944)	(1944)	(1944)

07337000 RED RIVER AT INDEX, AR—Continued

SUMMARY STATISTICS

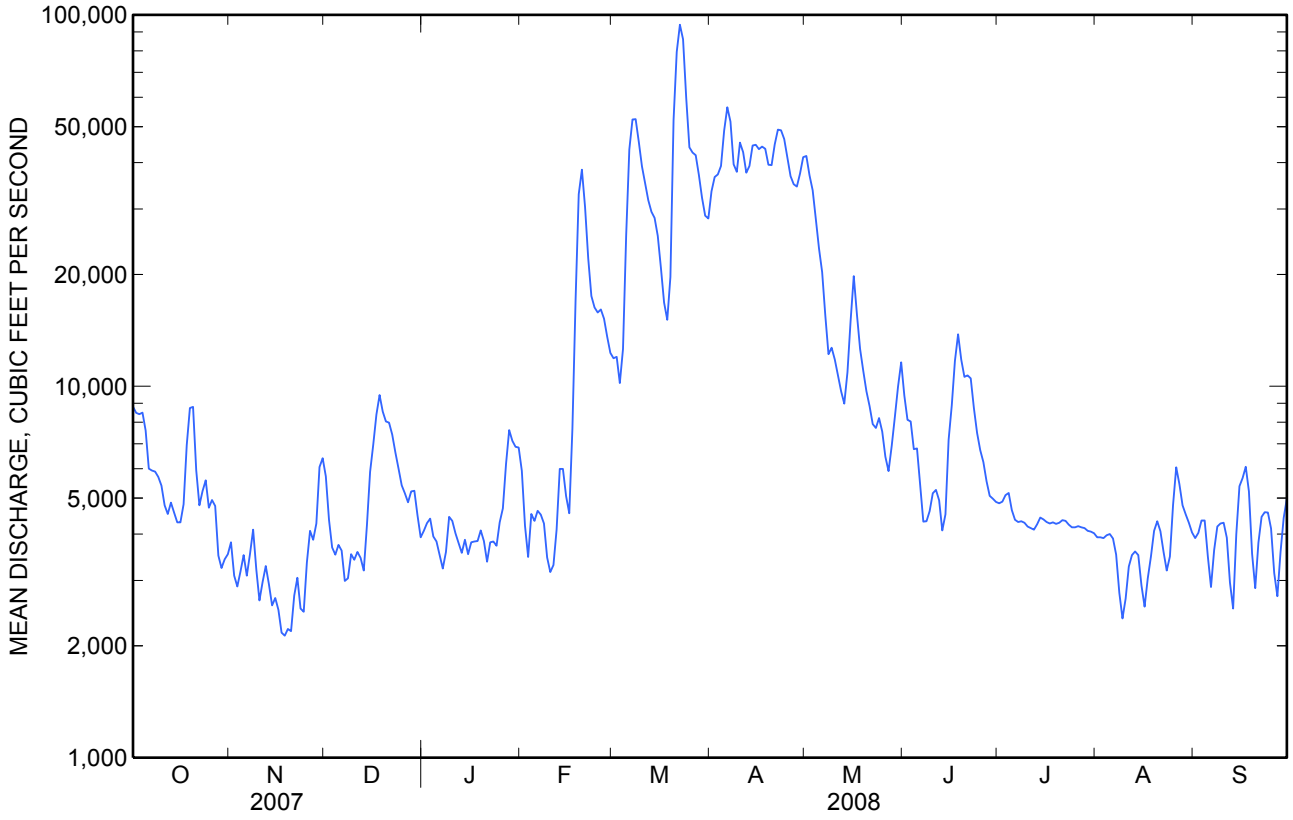
	Calendar Year 2007		Water Year 2008		Water Years 1944 - 2008	
Annual total	8,954,010		4,353,870			
Annual mean	24,530		11,900		[a]12,910	
Highest annual mean					30,420	1990
Lowest annual mean					2,582	2006
Highest daily mean	100,000	Jul 16	94,100	Mar 22	268,000	May 10, 1990
Lowest daily mean	1,970	Mar 27	2,130	Nov 18	384	Nov 28, 1956
Annual seven-day minimum	2,060	Mar 25	2,350	Nov 14	397	Oct 19, 1956
Maximum peak flow			96,900	Mar 22	[b]270,000	May 10, 1990
Maximum peak stage			18.02	Mar 22	[c]32.30	May 10, 1990
Instantaneous low flow			2,100	Nov 17[d]	378	Nov 28, 1956
Annual runoff (ac-ft)	17,760,000		8,636,000		9,351,000	
10 percent exceeds	63,900		38,000		34,900	
50 percent exceeds	14,400		4,880		5,800	
90 percent exceeds	3,180		3,220		2,180	

[a] Prior to regulation, water years 1937-43, 11,970 ft³/s

[b] Maximum discharge for period of record 297,000 ft³/s Feb 23, 1938

[c] Maximum gage height for period of record 34.25 ft Feb 23, 1938, from graph based on gage readings

[d] Also occurred on Nov 18



07337000 RED RIVER AT INDEX, AR—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, Apr 1980 to current year.

INSTRUMENTATION.--Thermistor

REMARKS.-- Water-quality records good. Water temperature collected continuously. Six inspections were made with a certified thermistor and were found to be reading within allowable limits. Interuption in record because of instrumentation malfunction. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 34.0°C, Aug 3, 4; minimum, 4.2°C, Jan 26.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	26.9	25.6	26.2	18.2	17.4	17.8	11.8	10.1	10.8	8.0	6.9	7.4
2	27.3	26.0	26.7	17.9	16.4	17.0	13.9	11.8	12.8	7.0	5.9	6.3
3	27.3	26.4	26.8	18.2	17.0	17.5	13.2	11.9	12.4	6.0	5.2	5.4
4	27.3	26.2	26.8	18.8	17.4	18.0	12.2	10.8	11.5	6.0	4.7	5.2
5	27.3	26.4	26.9	19.5	18.0	18.7	12.6	10.9	11.7	9.1	6.0	7.2
6	27.7	26.6	27.1	19.5	17.8	18.4	12.2	10.4	10.9	11.8	9.0	10.1
7	27.8	26.7	27.2	17.8	16.2	16.8	12.0	10.6	11.1	13.7	11.7	12.4
8	28.1	26.8	27.3	16.9	15.5	16.2	13.8	11.9	12.8	14.5	13.7	14.1
9	27.4	26.5	27.0	17.5	16.2	16.8	15.1	13.8	14.4	13.9	12.6	13.2
10	26.7	25.4	26.0	17.4	16.9	17.1	14.7	13.8	14.0	13.0	12.3	12.7
11	26.1	24.5	25.2	18.5	17.1	17.7	15.1	13.6	14.3	12.3	11.3	11.7
12	25.0	23.4	24.2	18.8	18.0	18.4	15.1	14.1	14.6	11.6	10.7	11.1
13	24.1	22.7	23.4	19.7	18.3	18.9	14.1	12.7	13.3	11.2	10.0	10.6
14	23.7	22.3	23.0	20.1	19.1	19.5	12.7	10.8	11.6	10.7	9.3	10
15	23.3	21.7	22.2	19.4	16.9	17.8	10.8	8.9	10.0	10.3	9.1	9.7
16	22.7	20.8	21.7	16.9	15.5	15.9	8.9	7.7	8.2	10.1	9.5	9.7
17	22.8	21.8	22.2	16.4	14.8	15.4	7.9	7.1	7.6	9.7	8.8	9.2
18	23.0	22.2	22.5	17.4	15.7	16.4	8.0	7.0	7.5	8.8	7.6	8.0
19	22.2	21.1	21.6	17.6	16.7	17.1	8.5	7.6	8.0	7.9	7.0	7.4
20	21.5	20.3	21.0	18.2	16.6	17.2	9.5	8.5	8.9	7.3	6.1	6.6
21	21.6	20.0	20.8	18.8	17.2	18.0	9.8	8.9	9.3	6.5	5.4	5.6
22	21.3	19.9	20.9	17.2	14.9	15.7	10.8	9.7	10.1	5.8	5.3	5.5
23	19.9	18.0	18.7	14.9	12.9	13.7	9.7	8.6	9.1	5.9	5.2	5.5
24	18.0	17.1	17.6	12.9	10.6	11.7	9.1	8.1	8.7	5.8	4.8	5.3
25	17.4	16.3	16.9	10.6	9.9	10.1	8.8	7.8	8.4	5.4	4.4	4.7
26	17.6	16.3	16.9	9.9	9.6	9.8	8.2	7.4	7.9	4.5	4.2	4.4
27	17.8	16.4	17.0	10.6	9.2	9.9	7.5	7.2	7.4	5.3	4.3	4.7
28	18.0	16.4	17.1	11.0	9.7	10.3	7.7	7.2	7.4	5.7	4.7	5.1
29	17.7	16.4	17.1	10.9	10.2	10.5	7.7	6.5	7.1	8.6	5.7	7.3
30	17.8	16.2	17.0	10.4	9.9	10.2	8.2	6.9	7.4	8.0	6.9	7.5
31	18.2	16.6	17.4	---	---	---	8.4	7.2	7.7	7.6	6.9	7.3
Month	28.1	16.2	22.3	20.1	9.2	15.6	15.1	6.5	10.2	14.5	4.2	8.1

07337000 RED RIVER AT INDEX, AR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	7.3	6.0	6.7	11.8	10.4	11.0	16.6	16.4	16.6	19.4	18.8	19.1
2	8.5	6.6	7.4	12.3	11.5	11.9	16.5	15.8	16.2	20.4	19.4	19.8
3	9.8	8.1	8.8	13.0	12.3	12.7	16.0	15.5	15.7	20.4	19.6	20.1
4	11.8	9.8	10.7	12.5	11.3	11.8	15.9	15.5	15.8	20.8	19.7	20.2
5	14.0	11.6	12.7	11.4	10.8	11.1	16.2	15.3	15.7	21.2	20.2	20.7
6	13.4	11.5	12.1	11.1	10.0	10.7	16.7	15.8	16.2	21.0	20.7	20.9
7	11.6	10.6	11.1	10.0	8.9	9.4	17.6	16.4	17.0	21.0	20.6	20.8
8	11.5	10.0	10.7	8.9	8.5	8.7	17.8	17.4	17.6	21.0	20.0	20.5
9	12.0	10.1	11.0	9.0	8.1	8.6	18.9	17.7	18.2	22.2	20.2	21.1
10	12.5	10.5	11.5	9.2	9.0	9.1	19.3	18.9	19.1	23.0	21.5	22.2
11	12.2	10.6	11.3	10.2	8.9	9.5	19.4	18.8	19.1	22.8	21.4	22.2
12	12.1	11.3	11.9	11.3	10.0	10.6	19.1	18.2	18.5	22.6	21.0	21.8
13	11.3	9.9	10.5	12.4	11.1	11.7	18.2	17.2	17.6	22.3	21.5	21.9
14	11.0	9.3	10.1	13.6	12.4	12.9	17.4	16.5	17.0	22.1	21.2	21.6
15	11.3	10.5	10.9	14.6	13.5	14.0	17.3	16.4	16.9	22.4	21.1	21.7
16	11.1	10.7	10.9	14.3	13.6	14.0	17.3	16.3	16.8	21.9	21.3	21.6
17	11.3	10.9	11.1	14.7	14.0	14.2	17.2	16.7	17.0	22.5	20.9	21.6
18	11.0	10.2	10.6	15.8	14.7	15.2	17.2	16.9	17.1	23.7	21.7	22.6
19	10.3	9.6	9.9	15.7	14.9	15.3	17.8	16.6	17.2	24.7	22.5	23.5
20	9.6	9.1	9.4	15.0	14.4	14.6	18.2	17.4	17.8	25.8	23.5	24.6
21	9.5	9.3	9.3	14.4	13.8	14.1	18.8	17.9	18.3	25.5	24.3	24.8
22	9.3	9.0	9.2	14.7	14.0	14.3	19.3	18.5	18.9	25.3	24.0	24.5
23	9.2	8.7	8.9	15.0	14.5	14.7	19.5	18.9	19.2	25.6	24.2	24.8
24	9.4	8.8	9.0	15.0	14.3	14.7	19.9	19.1	19.5	26.4	25.0	25.6
25	9.8	8.9	9.3	14.8	14.1	14.5	20.2	19.5	19.8	27.7	25.6	26.5
26	10.1	9.4	9.7	15.3	14.5	14.8	20.1	19.3	19.6	28.4	26.8	27.5
27	9.8	8.8	9.3	16.5	15.3	15.8	19.3	18.7	19.0	27.9	26.5	27.4
28	10.2	9.0	9.5	16.6	16.4	16.5	19.3	18.1	18.7	27.9	26.1	26.9
29	10.7	9.8	10.3	16.4	15.9	16.0	19.3	18.3	18.9	27.8	26.4	27.1
30	---	---	---	16.0	15.8	15.9	19.3	18.4	18.9	28.2	26.6	27.4
31	---	---	---	16.6	15.8	16.1	---	---	---	28.1	26.7	27.4
Month	14.0	6.0	10.1	16.6	8.1	13.0	20.2	15.3	17.8	28.4	18.8	23.2

07337000 RED RIVER AT INDEX, AR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	28.2	26.8	27.4	30.4	28.2	29.2	33.1	30.8	31.7	30.5	29.3	29.8
2	29.1	26.9	27.9	30.6	28.6	29.5	33.7	31.4	32.4	29.4	26.6	27.7
3	29.4	27.7	28.5	30.8	28.8	29.7	34.0	31.8	32.8	26.6	25.5	26.0
4	29.0	27.6	28.4	30.8	29.6	30.1	34.0	31.9	32.8	25.5	24.5	24.9
5	28.6	27.5	28.1	31.2	29.1	30.0	33.1	31.6	32.2	26.1	23.8	24.7
6	28.8	27.3	27.9	31.7	29.8	30.6	32.3	30.6	31.4	27.0	24.5	25.6
7	29.6	27.4	28.3	32.1	30.0	30.9	32.2	30.6	31.4	27.6	25.2	26.3
8	29.9	27.9	28.8	---	---	---	31.6	30.1	30.8	28.1	26.1	26.9
9	29.7	28.2	28.9	32.5	30.5	31.3	31.4	29.8	30.6	27.5	26.6	27.0
10	29.0	27.4	28.1	32.5	30.9	31.6	31.1	28.5	29.7	26.6	25.8	26.1
11	29.3	27.6	28.3	32.4	30.7	31.5	28.5	26.8	27.4	28.0	25.5	26.4
12	29.7	27.6	28.5	32.4	30.5	31.3	27.5	26.1	26.7	27.7	26.8	27.3
13	30.2	27.9	29.0	31.7	30.7	31.1	29.3	26.3	27.6	27.5	25.9	26.6
14	30.0	27.4	28.6	30.7	29.5	30.0	30.1	27.7	28.7	26.2	24.8	25.5
15	29.8	27.9	28.8	30.7	28.8	29.6	29.7	27.6	28.2	25.5	24.1	24.8
16	29.9	28.8	29.4	31.0	28.7	29.7	27.6	26.1	26.6	25.0	23.5	24.3
17	29.4	28.4	28.8	31.4	29.0	30.1	27.8	25.8	26.6	24.7	23.4	24.1
18	28.5	27.3	27.8	31.8	29.7	30.6	27.5	26.5	27.0	24.3	23.3	23.9
19	28.2	26.9	27.5	32.3	30.1	31.0	27.2	25.5	26.2	25.7	23.5	24.3
20	28.6	27.1	27.8	32.6	30.4	31.4	25.6	25.2	25.3	26.0	23.9	24.9
21	29.3	27.5	28.3	32.8	30.9	31.7	26.5	24.9	25.6	25.8	24.4	24.9
22	29.9	27.9	28.9	33.2	31.1	32.0	27.6	25.6	26.3	25.9	24.0	24.7
23	29.9	28.2	29.1	32.9	31.1	31.9	28.3	26.3	27.2	26.5	24.5	25.4
24	30.4	28.5	29.4	32.5	30.8	31.5	29.0	26.9	27.9	26.9	25.2	26.0
25	30.5	28.8	29.6	32.1	30.8	31.4	29.6	27.7	28.5	27.1	25.5	26.3
26	30.4	28.8	29.6	32.7	30.7	31.5	29.9	28.1	29.0	26.8	25.1	25.9
27	30.3	28.6	29.5	32.7	30.9	31.7	30.2	28.3	29.3	26.5	24.4	25.5
28	30.4	28.8	29.5	32.7	30.8	31.6	31.1	29.1	29.9	26.4	24.4	25.5
29	29.2	28.0	28.5	32.5	30.7	31.5	31.8	29.9	30.7	26.3	24.6	25.3
30	29.8	27.6	28.6	32.2	30.6	31.4	31.8	30.0	30.8	26.0	24.8	25.4
31	---	---	---	31.9	30.4	31.1	31.1	29.8	30.5	---	---	---
Month	30.5	26.8	28.6	---	---	---	34.0	24.9	29.1	30.5	23.3	25.7

07337000 RED RIVER AT INDEX, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 4
[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft3/s (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)
Oct													
31...	0745	3,310	764	8.8	91	8.5	893	16.9	250	68.5	19.2	5.44	2.0
Dec													
12...	1400	3,380	770	10.1	98	7.9	1,010	14.5	300	81.3	23.0	5.73	2.1
Jan													
17...	0900	3,890	767	8.4	72	8.3	834	8.9	240	66.5	18.4	4.57	1.9
Mar													
05...	0930	22,900	763	9.0	81	7.8	340	10.8	110	29.5	7.67	3.00	1.1
Apr													
03...	0920	37,100	763	8.9	89	7.8	287	15.5	91	27.2	5.64	2.66	.9
Aug													
19...	1405	4,170	760	7.8	96	8.4	1,020	26.0	290	76.8	24.5	5.31	2.3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 4
[Remark codes: <, less than; E, estimated.]

Date	Sodium fraction of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L (71856)
Oct													
31...	38	71.8	102	.23	118	545	.70	--	<.020	<.04	--	--	.009
Dec													
12...	37	83.7	113	.28	148	612	.85	.07	.057	.06	.217	.05	.020
Jan													
17...	37	66.8	90.6	.23	120	518	.77	--	<.020	E.03	E.120	E.03	E.006
Mar													
05...	34	25.4	32.9	E.10	45.6	217	.97	.04	.034	.29	1.28	.29	.012
Apr													
03...	31	19.3	24.6	E.11	35.7	186	.84	.03	.023	.16	.688	.16	.011
Aug													
19...	40	92.2	118	.28	150	621	.74	--	<.020	<.04	--	--	E.004

07337000 RED RIVER AT INDEX, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 4
[Remark codes: <, less than; E, estimated.]

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <62.5um (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
Oct													
31...	.003	--	--	E.011	E.004	E.02	.10	--	100	120	77	34	304
Dec													
12...	.006	.79	.90	E.014	E.004	<.04	.10	--	260	140	85	24	219
Jan													
17...	E.002	--	E.80	E.013	E.004	<.04	.08	--	E23	E31	62	28	294
Mar													
05...	.004	.94	1.3	.081	.026	E.04	.33	--	980	1,400	47	868	53,700
Apr													
03...	.004	.82	1.0	.082	.027	E.03	.20	--	E1,700	E1,300	94	207	20,700
Aug													
19...	E.001	--	--	.039	.013	<.04	.12	200	--	200	99	34	383

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008
Part 4 of 4
[Remark codes: <, less than;
E, estimated.]

Date	Sampler type, code (84164)	Sampling method, code (82398)
Oct		
31...	3070	70
Dec		
12...	8010	30
Jan		
17...	3070	30
Mar		
05...	3054	10
Apr		
03...	3054	10
Aug		
19...	3070	10