Water-Data Report 2012

07337900 GLOVER RIVER NEAR GLOVER, OK

Red-Little Basin
Upper Little Subbasin

LOCATION.--Lat 34°05′51″, long 94°54′07″ referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.28, T.5 S., R.23 E., McCurtain County, OK, Hydrologic Unit 11140107, on right downstream end of bridge on State Highways 3 and 7, 2.0 mi north of Glover, 11.0 mi northwest of Broken Bow, and at mile 9.2.

DRAINAGE AREA.--320 mi^2, revised. From automated delineation using 10-meter National Elevation Dataset digital elevation model data dated 10/01/2006 and Watershed Boundary Dataset dated 10/01/2006, using Albers Equal-Area Projection, North American Datum 1983.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1961 to current year. Prior to October 1990, published as Glover Creek near Glover.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 378.70 ft above NGVD of 1929.

REMARKS.--Record fair. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1961 reached a stage of 28.84 ft, from floodmark. Flood in 1908 was higher than in May 1961, from information provided by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 22	0800	29,100	17.66
Dec 4	1830	10,400	10.97
Jan 25	2000	*32,100	*18.53
Mar 11	2230	13,700	12.47
Mar 20	1700	20,000	14.66

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07337900, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07337900.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	226	176	383	164	166	30	2.8	0.35	3.5	0.16
2	0.00	0.00	187	154	346	152	151	27	2.5	0.34	2.2	0.15
3	0.00	0.00	165	137	313	138	144	25	2.3	0.33	1.6	0.13
4	0.00	0.00	5,570	125	2,110	124	187	23	2.1	0.33	1.2	0.13
5	0.00	0.00	7,590	116	1,480	113	210	21	2.4	0.30	e1.0	0.12
6	0.00	0.00	2,960	108	891	105	171	19	25	0.29	e0.84	0.13
7	0.00	0.00	1,370	101	636	97	140	18	66	0.32	0.63	0.11
8	0.00	0.00	830	94	494	119	124	19	30	0.33	0.55	0.19
9	0.00	4.3	568	91	400	1,460	113	28	17	0.32	0.55	0.12
10	0.00	53	422	316	353	860	101	29	12	0.34	0.46	0.10
11	e0.00	96	326	1,970	326	5,530	89	23	8.7	0.32	0.38	0.08
12	e0.00	57	266	988	279	4,920	80	26	8.1	0.29	0.37	0.07
13	e0.00	39	227	601	261	1,690	e72	27	5.8	0.28	0.34	0.09
14	e0.00	29	208	441	309	1,010	e67	29	4.4	0.27	0.30	0.10
15	e0.00	24	1,750	350	369	699	64	28	3.5	0.28	0.30	0.09
16	e0.00	36	3,710	289	384	525	76	24	2.8	0.26	0.27	0.09
17	e0.00	31	1,870	251	362	420	109	20	2.4	0.23	0.25	0.12
18	e0.00	77	1,040	213	334	346	112	17	1.9	0.21	0.39	0.10
19	e0.00	81	706	184	337	298	96	15	1.5	0.21	0.40	0.07
20	e0.00	64	1,530	168	331	11,600	87	12	1.3	0.20	0.29	0.05
21	e0.00	1,070	1,340	154	344	6,490	80	11	1.1	0.19	0.24	0.04
22	e0.00	11,500	838	142	354	2,240	70	9.6	0.95	0.18	0.23	0.03
23	0.00	1,700	583	129	319	1,500	62	8.4	0.80	0.18	0.21	0.02
24	0.00	793	433	120	283	954	55	7.4	0.73	0.17	0.20	0.01
25	0.00	483	350	14,800	244	645	49	7.0	0.65	0.15	0.19	0.00
26	0.00	436	299	6,430	215	469	44	6.2	0.59	0.19	0.19	0.00
27	0.00	759	306	2,020	199	359	40	5.6	0.50	3.1	0.23	0.02
28	0.00	520	283	1,180	185	291	37	4.9	0.45	1.2	0.24	0.08
29	0.00	375	243	766	173	243	34	4.1	0.42	15	0.20	0.06
30	0.00	284	217	571	---	210	32	4.1	0.38	10	0.17	0.14
31	0.00	---	196	456	---	185	---	3.5	---	5.7	0.16	---
Total	0.00	18,511.30	36,609	33,641	13,014	43,956	2,862	531.8	209.07	41.86	18.08	2.60
Mean	0.00	617	1,181	1,085	449	1,418	95.4	17.2	6.97	1.35	0.58	0.09
Max	0.00	11,500	7,590	14,800	2,110	11,600	210	30	66	15	3.5	0.19
Min	0.00	0.00	165	91	173	97	32	3.5	0.38	0.15	0.16	0.00
Ac-ft	0.00	36,720	72,610	66,730	25,810	87,190	5,680	1,050	415	83	36	5.2
Cfsm	0.00	1.93	3.69	3.39	1.40	4.43	0.30	0.05	0.02	0.00	0.00	0.00
In.	0.00	2.15	4.26	3.91	1.51	5.11	0.33	0.06	0.02	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	374	537	722	539	669	838	690	802	355	115	63.4	200
Max	2,632	2,615	3,376	1,665	1,943	3,058	2,753	3,503	1,514	1,759	461	2,690
(WY)	(2010)	(1997)	(1972)	(2005)	(1997)	(2008)	(1991)	(1990)	(1973)	(2007)	(1992)	(1974)
Min	0.00	0.33	1.40	1.96	28.2	96.9	95.4	17.2	4.59	0.23	0.00	0.00
(WY)	(1979)	(1964)	(2006)	(1964)	(2006)	(1980)	(2012)	(2012)	(1972)	(2011)	(1972)	(1972)

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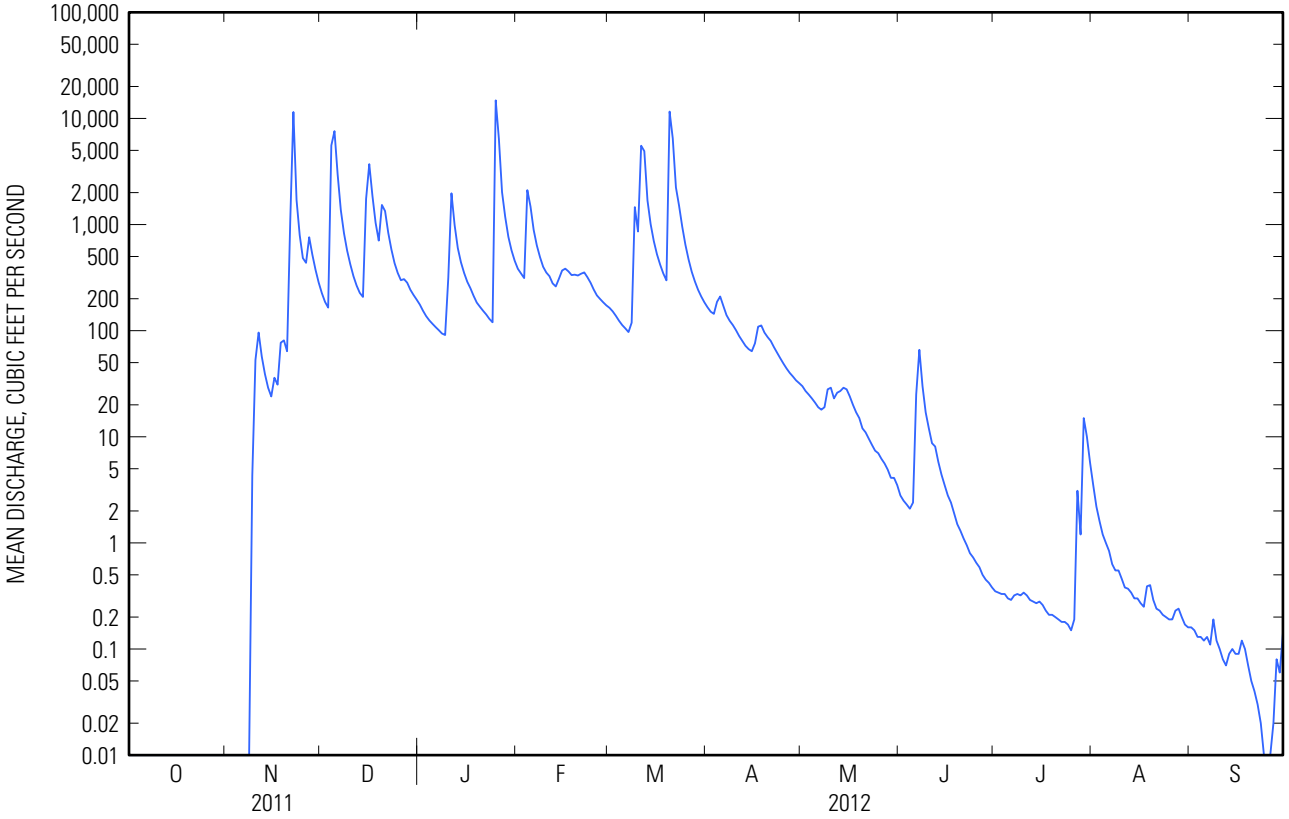
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1962 - 2012	
Annual total	142,774.27		149,396.71			
Annual mean	391		408		491	
Highest annual mean					979	1973
Lowest annual mean					157	2006
Highest daily mean	15,400	May 2	14,800	Jan 25	53,100	Dec 10, 1971
Lowest daily mean	0.00	Many days	0.00	Many days	0.00	At times
Annual seven-day minimum	0.00	Aug 1	0.00	Oct 1	0.00	Aug 4, 1970
Maximum peak flow			32,100	Jan 25	98,600	Dec 10, 1971
Maximum peak stage			18.53	Jan 25	29.72	Dec 10, 1971
Annual runoff (ac-ft)	283,200		296,300		356,000	
Annual runoff (cfsm)	1.22		1.28		1.54	
Annual runoff (inches)	16.60		17.37		20.86	
10 percent exceeds	685		774		1,040	
50 percent exceeds	36		25		117	
90 percent exceeds	0.00		0.00		2.7