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.--315 mi^2.

SURFACE-WATER RECORDS

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

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

REMARKS.--No estimated daily discharges. Record good. 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)
Dec 15	1000	12,100	11.16
Feb 17	0800	13,300	11.70
Mar 3	1900	10,700	10.51
Mar 19	0100	*68,900	*26.11
Mar 30	2300	21,600	14.92
Apr 4	0500	23,500	15.61
Jun 14	1200	18,800	14.14
Aug 11	2100	10,100	10.53

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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	128	64	57	290	96	171	8,180	216	193	320	2.4	25
2	365	57	56	237	105	156	2,630	190	149	197	2.3	28
3	243	52	52	199	109	3,570	1,770	172	120	136	2.4	1,080
4	190	47	51	181	109	3,850	14,600	167	98	101	2.1	1,470
5	182	43	63	172	131	2,710	3,590	139	81	79	1.9	713
6	131	39	76	163	2,450	1,750	1,820	130	68	62	1.6	434
7	101	34	71	154	1,060	2,850	1,160	139	60	50	1.6	283
8	80	31	68	174	668	2,230	822	271	52	42	1.8	199
9	205	29	63	304	479	1,480	661	350	61	36	1.5	145
10	257	28	60	269	363	1,050	3,570	262	426	31	2.6	113
11	154	28	61	230	288	766	2,730	266	491	26	3,570	99
12	107	27	83	197	1,600	566	1,320	295	294	23	3,030	102
13	78	27	958	177	1,590	441	850	213	196	19	1,060	105
14	61	27	887	156	916	638	608	428	6,910	18	571	2,140
15	1,700	26	6,890	139	627	552	473	1,560	1,890	16	358	1,370
16	2,060	24	2,550	127	828	383	387	883	802	14	242	692
17	925	23	1,220	118	6,990	363	316	566	477	12	181	440
18	660	23	775	111	2,330	16,600	354	407	339	11	136	306
19	495	22	549	104	1,260	31,200	446	298	262	9.2	111	226
20	337	21	493	94	829	4,670	328	224	205	8.0	93	182
21	249	21	563	86	606	2,150	262	174	154	7.1	87	142
22	200	21	436	90	479	1,260	225	141	118	6.4	85	114
23	191	22	348	100	385	855	202	120	93	5.8	86	94
24	212	22	281	113	339	627	262	108	75	5.2	140	78
25	180	34	240	105	325	503	496	96	62	4.4	141	66
26	143	47	228	100	270	424	581	84	51	4.0	89	57
27	123	73	345	98	229	362	538	104	45	3.4	65	49
28	106	97	448	97	200	358	411	1,240	53	3.0	51	43
29	91	80	495	96	188	270	326	556	1,390	2.8	43	37
30	81	65	423	92	---	5,380	258	386	623	2.6	38	34
31	71	---	356	94	---	6,610	---	267	---	2.5	30	---
Total	10,106	1,154	19,246	4,667	25,849	94,795	50,176	10,452	15,838	1,257.4	10,227.2	10,866
Mean	326	38.5	621	151	891	3,058	1,673	337	528	40.6	330	362
Max	2,060	97	6,890	304	6,990	31,200	14,600	1,560	6,910	320	3,570	2,140
Min	61	21	51	86	96	156	202	84	45	2.5	1.5	25
Ac-ft	20,050	2,290	38,170	9,260	51,270	188,000	99,520	20,730	31,410	2,490	20,290	21,550
Cfsm	1.03	0.12	1.97	0.48	2.83	9.71	5.31	1.07	1.68	0.13	1.05	1.15
In.	1.19	0.14	2.27	0.55	3.05	11.19	5.93	1.23	1.87	0.15	1.21	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	348	562	734	541	679	851	700	781	383	124	67.3	201
Max	2,427	2,615	3,376	1,665	1,943	3,058	2,753	3,503	1,514	1,759	461	2,690
(WY)	(1985)	(1997)	(1972)	(2005)	(1997)	(2008)	(1991)	(1990)	(1973)	(2007)	(1992)	(1974)
Min	0.00	0.33	1.40	1.96	28.2	96.9	125	40.4	4.59	1.06	0.00	0.00
(WY)	(1979)	(1964)	(2006)	(1964)	(2006)	(1980)	(1987)	(1988)	(1972)	(1966)	(1972)	(1972)

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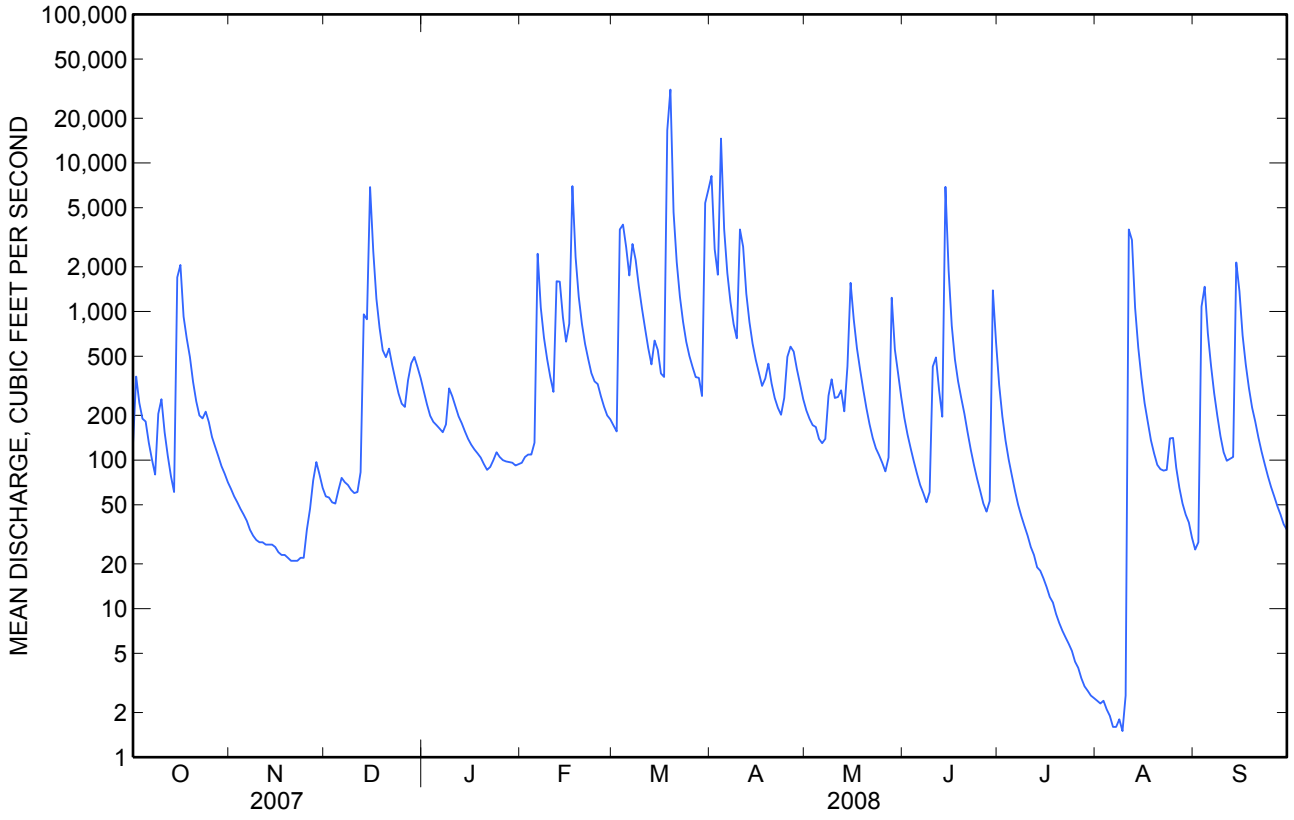
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1962 - 2008	
Annual total	229,320.0		254,633.6			
Annual mean	628		696		497	
Highest annual mean					979	1973
Lowest annual mean					157	2006
Highest daily mean	9,680	Apr 25	31,200	Mar 19	53,100	Dec 10, 1971
Lowest daily mean	3.8	Sep 3	1.5	Aug 9	0.00	At times
Annual seven-day minimum	5.0	Aug 28	1.8	Aug 3	0.00	Aug 4, 1970
Maximum peak flow			68,900	Mar 19	98,600	Dec 10, 1971
Maximum peak stage			26.11	Mar 19	29.72	Dec 10, 1971
Annual runoff (ac-ft)	454,900		505,100		359,800	
Annual runoff (cfsm)	1.99		2.21		1.58	
Annual runoff (inches)	27.08		30.07		21.42	
10 percent exceeds	1,460		1,470		1,050	
50 percent exceeds	154		176		122	
90 percent exceeds	24		23		3.3