07198000 ILLINOIS RIVER NEAR GORE, OK

Robert S. Kerr Reservoir Basin
Illinois Subbasin

LOCATION.--Lat 35°34′23″, long 95°04′07″ referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.27, T.13 N., R.21 E., Sequoyah County, OK, Hydrologic Unit 11110103, on right bank 4.2 mi downstream from Tenkiller Ferry Dam, 4.5 mi northeast of Gore, and at mile 8.5.

DRAINAGE AREA.--1,626 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1924 to April 1926, April 1939 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 468.00 ft above NGVD of 1929. See WSP 1921 for history of changes prior to Feb. 19, 1952. Feb. 19, 1952 to Aug. 15, 1989, gage at same site and datum 5.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges which are poor. Except for 16 mile sq. intervening area, flow completely regulated since July 1952 by Tenkiller Ferry Lake (station 07197500). U.S. Army Corps of Engineers' satellite telemeter at station.

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VIA SATELLITE H350
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	98	31	270	29	911	29	28	49	157	120	1,600	108
2	97	31	28	29	582	28	27	48	141	121	1,360	97
3	e919	31	196	29	624	29	27	50	140	478	559	211
4	e1,570	30	38	29	35	28	28	119	140	974	456	108
5	e1,630	30	28	30	30	28	28	133	498	137	104	99
6	e127	31	28	29	1,270	28	30	101	142	1,150	334	93
7	360	31	573	29	432	28	31	95	455	145	100	91
8	103	31	878	30	925	28	34	88	133	121	336	92
9	95	31	794	376	234	32	35	83	1,150	121	1,150	95
10	358	31	44	660	572	29	34	130	151	419	266	95
11	103	31	30	297	67	29	34	107	130	820	613	95
12	760	31	28	46	32	29	34	91	127	137	265	421
13	108	30	382	30	33	29	35	86	125	1,350	100	101
14	95	30	45	29	30	28	36	82	278	1,390	1,050	95
15	88	551	28	29	30	28	35	78	362	1,840	1,010	94
16	87	1,250	759	29	30	28	37	78	634	1,030	527	1,090
17	87	1,120	46	29	29	28	38	919	138	1,440	1,380	119
18	338	620	29	29	30	29	802	336	128	1,160	1,410	97
19	93	49	583	29	29	30	45	76	127	1,410	1,300	431
20	91	29	403	29	29	30	31	53	1,380	1,750	819	437
21	73	190	222	29	378	29	31	1,270	997	1,390	910	97
22	30	1,380	31	29	403	28	31	71	764	201	2,080	479
23	30	620	121	29	1,100	28	31	554	474	152	1,450	466
24	30	49	36	212	609	27	31	1,260	132	1,620	1,020	106
25	28	29	29	205	34	27	34	955	122	1,730	1,430	622
26	28	28	29	31	30	27	32	67	122	1,300	116	954
27	29	28	29	30	30	27	34	47	121	1,430	99	120
28	29	590	29	34	29	27	35	45	440	1,520	251	514
29	30	424	29	30	---	28	46	45	127	1,090	1,570	270
30	30	797	29	273	---	217	44	66	121	1,300	1,590	750
31	32	---	29	41	---	34	---	1,360	---	2,220	633	---
Total	7,576	8,184	5,823	2,789	8,567	1,074	1,778	8,542	9,956	30,066	25,888	8,447
Mean	244	273	188	90.0	306	34.6	59.3	276	332	970	835	282
Max	1,630	1,380	878	660	1,270	217	802	1,360	1,380	2,220	2,080	1,090
Min	28	28	28	29	29	27	27	45	121	120	99	91
Ac-ft	15,030	16,230	11,550	5,530	16,990	2,130	3,530	16,940	19,750	59,640	51,350	16,750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	760	1,194	1,633	1,669	1,623	2,024	2,577	2,220	1,770	1,428	883	622
Max	8,165	4,538	9,652	6,204	5,740	5,358	8,340	10,940	7,177	8,046	2,358	2,174
(WY)	(1987)	(1992)	(1974)	(1998)	(1969)	(2001)	(1990)	(1990)	(1957)	(1957)	(1961)	(1993)
Min	74.4	56.0	55.5	27.7	57.1	34.6	59.3	105	141	84.9	81.4	80.7
(WY)	(1981)	(1984)	(1981)	(1965)	(1981)	(2006)	(2006)	(1981)	(1963)	(1988)	(1963)	(1963)

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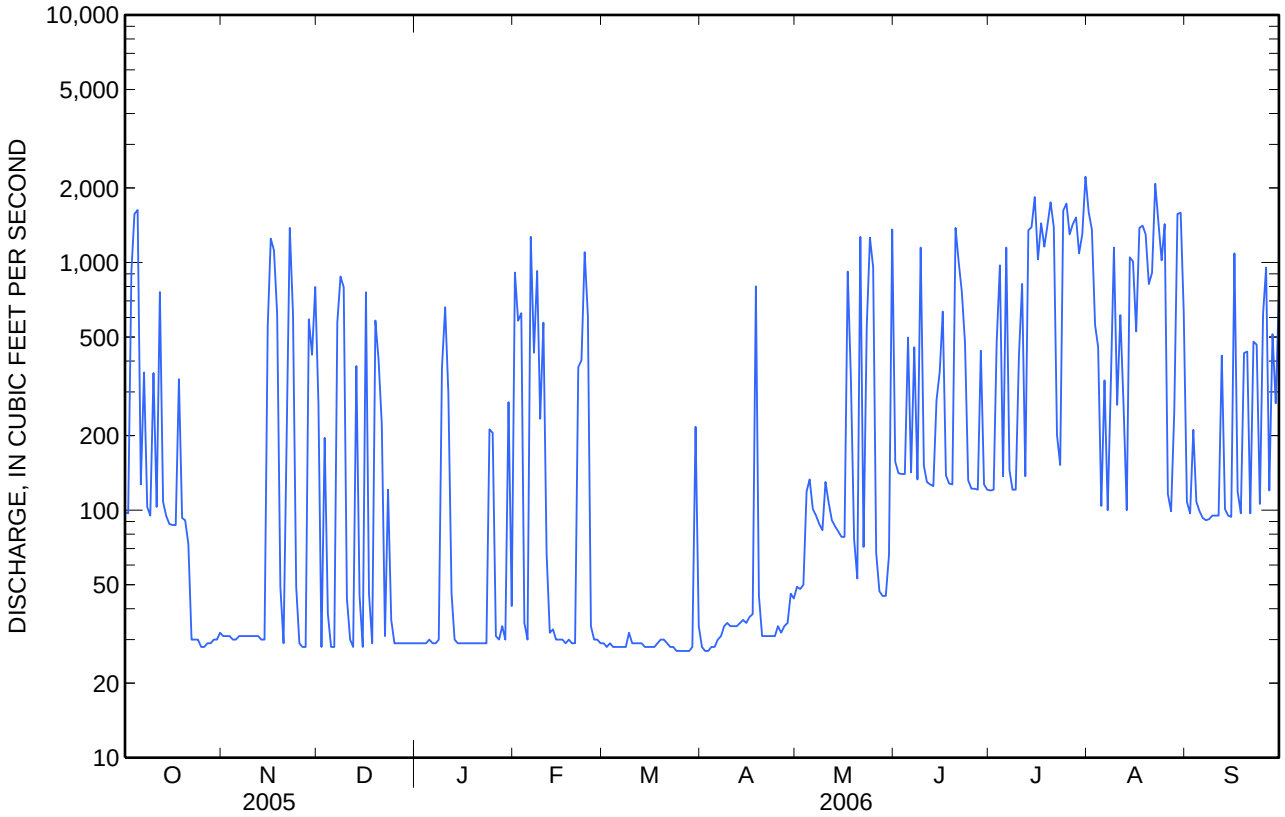
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1954 - 2006	
Annual total	485,422		118,690			
Annual mean	1,330		325		1,533	
Highest annual mean					3,199	1993
Lowest annual mean					280	1964
Highest daily mean	11,100	Jan 9	2,220	Jul 31	15,800	May 6, 1957
Lowest daily mean	28	at times	27	at times	2.1	Sep 16, 1959
Annual seven-day minimum	29	Dec 25	27	Mar 22	3.5	Feb 2, 1965
Maximum peak flow			5,010	Oct 3	[a]18,100	Jun 9, 1957
Maximum peak stage			12.36	Oct 3	[b]18.70	Jun 9, 1957
Annual runoff (ac-ft)	962,800		235,400		1,110,000	
10 percent exceeds	3,760		1,150		3,700	
50 percent exceeds	821		95		910	
90 percent exceeds	31		29		68	

[a] Maximum discharge, 180,000 ft³/s, May 11, 1950, from rating curve extended above 42,000 ft³/s by velocity area.
[b] Maximum gage height, 34.6 ft, May 11, 1950, from floodmark, present site and datum.