Water-Data Report 2008

11522500 Salmon River at Somes Bar, CA

Klamath River Basin

LOCATION.--Lat 41°22′36″, long 123°28′33″ referenced to North American Datum of 1927, Siskiyou County, CA, Hydrologic Unit 18010210, unsurveyed, Humboldt Meridian, in Klamath National Forest, on left bank at Somes Bar, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--751 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1911 to September 1915, October 1927 to current year. Monthly discharge only for some periods, published in WSP 1315-B.
CHEMICAL ANALYSES: Water years 1959-64.
WATER TEMPERATURE: Water year 1966-79.
SEDIMENT DATA: Water years 1955-56.

REVISED RECORDS.--WSP 1285: 1912, 1914, 1915 (instantaneous maximum discharge), 1946 (instantaneous maximum discharge), 1948 (instantaneous maximum discharge). WDR CA-72-1: 1970-71 (peaks above base).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 482.97 ft above NGVD of 1929. Prior to October 1927, nonrecording gage at different datum. October 1927 to Dec. 22, 1964, water-stage recorder at site 0.5 mi upstream at datum 6.54 ft higher.

REMARKS.--Records good. No storage or large diversion upstream from station. See schematic diagram of Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133,000 ft^3/s, Dec. 22, 1964 (result of failure of upstream debris dam), gage height, 46.6 ft, present site and datum, from floodmarks, from rating curve extended above 33,000 ft^3/s; minimum daily, 60 ft^3/s, Sept. 21-24, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 19	1245	*10,800	*9.34
No other peak greater than base discharge			

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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	255	469	536	1,410	2,450	3,280	2,250	2,860	2,890	926	302	173
2	217	436	522	1,340	2,280	3,080	2,140	2,730	2,680	878	297	175
3	180	410	1,010	1,500	3,190	2,750	2,100	2,810	2,750	840	286	173
4	176	394	4,430	4,930	2,780	2,510	2,120	3,160	2,760	810	280	168
5	198	378	2,270	4,950	2,310	2,350	2,110	3,640	2,370	776	271	165
6	184	365	1,710	3,320	2,080	2,240	2,060	4,480	2,190	724	262	161
7	177	352	1,540	2,550	1,980	2,150	1,980	4,820	2,070	686	258	157
8	172	341	1,330	2,550	1,990	2,130	1,920	4,300	2,020	646	252	154
9	169	333	1,180	2,600	1,970	2,150	1,850	4,010	2,110	612	248	152
10	250	357	1,080	2,730	2,000	2,340	1,800	3,830	2,330	591	247	152
11	273	473	1,000	2,870	2,080	2,920	1,850	4,170	1,930	561	249	151
12	248	514	934	2,750	2,330	3,020	2,190	3,750	1,800	533	242	147
13	250	1,240	875	2,840	2,840	3,200	2,990	3,520	1,790	517	235	147
14	227	1,040	827	2,660	2,790	3,310	3,680	4,310	1,900	496	227	144
15	242	771	808	2,390	2,510	3,090	3,190	6,340	1,920	479	218	143
16	345	670	782	2,160	2,380	2,780	2,800	7,560	1,810	472	211	140
17	516	812	833	1,980	2,500	2,550	2,720	7,740	1,730	452	209	137
18	659	1,290	1,090	1,850	2,630	2,540	3,060	7,130	1,560	440	207	137
19	6,650	1,510	1,350	1,780	2,690	3,160	3,190	6,370	1,430	425	206	138
20	3,010	1,380	2,430	1,760	2,680	3,460	2,870	5,790	1,370	413	213	143
21	1,520	1,090	1,740	1,730	2,660	3,140	2,560	4,570	1,370	394	267	150
22	1,120	948	1,360	1,610	2,620	2,890	2,570	3,740	1,340	394	241	154
23	1,040	839	1,360	1,510	2,470	2,780	2,520	3,270	1,210	379	223	152
24	863	758	2,380	1,450	2,410	2,970	2,210	2,980	1,160	372	207	147
25	717	704	2,120	1,380	2,700	3,310	2,140	2,810	1,160	362	197	142
26	624	658	1,780	1,430	2,610	3,300	2,220	2,800	1,120	352	195	142
27	558	661	1,550	1,520	2,560	3,030	2,840	2,900	1,080	344	193	141
28	509	612	1,460	1,640	2,610	2,870	3,630	3,230	1,090	336	188	140
29	479	585	1,510	1,610	2,810	2,740	3,900	2,950	1,100	324	181	138
30	542	560	1,680	1,560	---	2,560	3,280	2,830	1,010	315	176	134
31	523	---	1,500	2,110	---	2,380	---	2,930	---	309	173	---
Total	22,893	20,950	44,977	68,470	71,910	86,980	76,740	128,330	53,050	16,158	7,161	4,497
Mean	738	698	1,451	2,209	2,480	2,806	2,558	4,140	1,768	521	231	150
Max	6,650	1,510	4,430	4,950	3,190	3,460	3,900	7,740	2,890	926	302	175
Min	169	333	522	1,340	1,970	2,130	1,800	2,730	1,010	309	173	134
Ac-ft	45,410	41,550	89,210	135,800	142,600	172,500	152,200	254,500	105,200	32,050	14,200	8,920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	339	1,061	2,252	3,005	2,964	2,935	2,992	3,135	1,892	616	261	199
Max	2,297	5,961	10,480	11,260	11,190	9,615	5,741	6,174	4,354	1,906	839	528
(WY)	(1963)	(1974)	(1965)	(1970)	(1958)	(1972)	(1938)	(1938)	(1953)	(1953)	(1983)	(1983)
Min	102	130	175	190	255	448	710	786	402	146	81.6	80.2
(WY)	(2002)	(1937)	(1937)	(1937)	(1977)	(1977)	(1977)	(1977)	(1992)	(1931)	(1931)	(2001)

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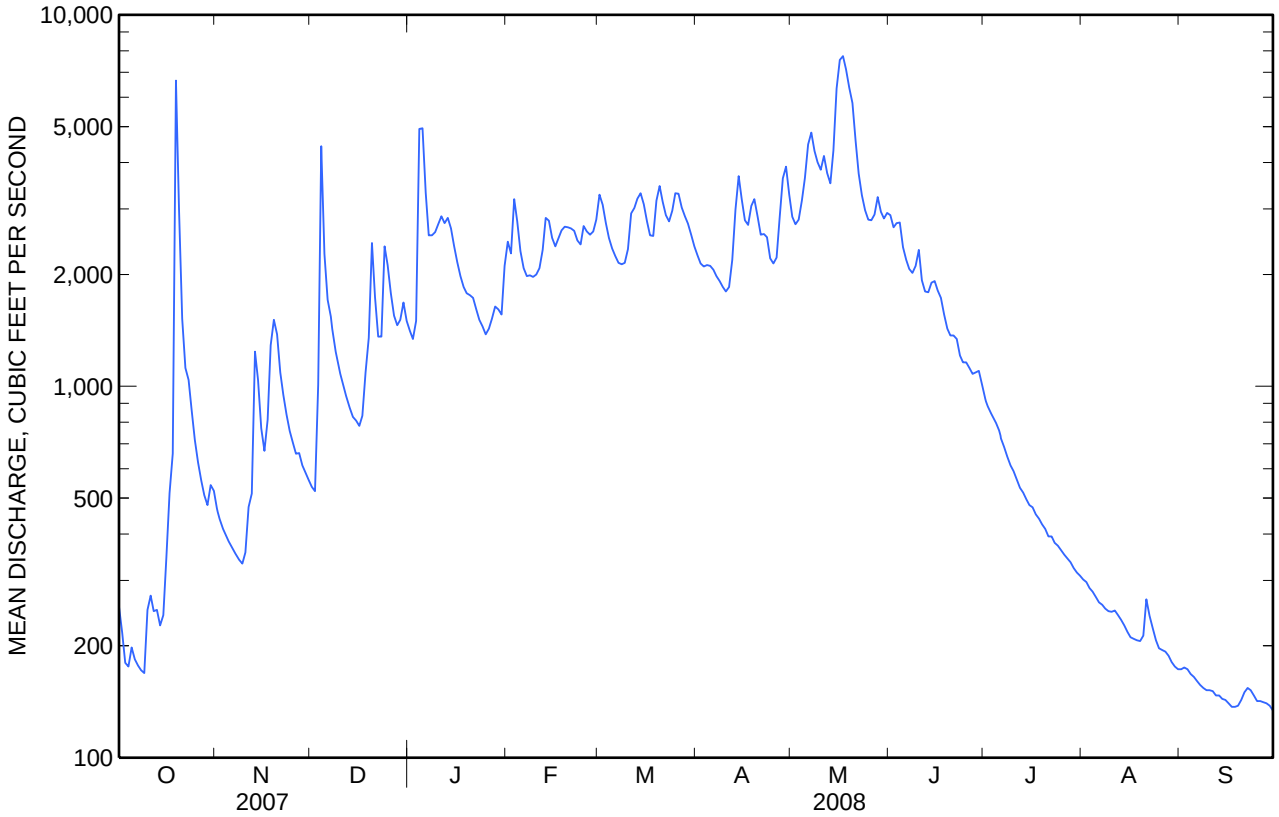
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1912 - 2008	
Annual total	526,887		602,116			
Annual mean	1,444		1,645		1,799	
Highest annual mean					3,754	1974
Lowest annual mean					339	1977
Highest daily mean	7,840	Jan 4	7,740	May 17	100,000	Dec 22, 1964
Lowest daily mean	130	Sep 12	134	Sep 30	60	Sep 21, 2001
Annual seven-day minimum	135	Sep 9	140	Sep 14	61	Sep 18, 2001
Maximum peak flow			10,800	Oct 19	133,000	Dec 22, 1964
Maximum peak stage			9.34	Oct 19	46.60	Dec 22, 1964
Annual runoff (ac-ft)	1,045,000		1,194,000		1,303,000	
10 percent exceeds	3,280		3,190		4,200	
50 percent exceeds	1,040		1,460		1,040	
90 percent exceeds	160		179		179