Water-Data Report 2008

11520500 Klamath River near Seiad Valley, CA

Klamath River Basin

LOCATION.--Lat 41°51′14″, long 123°13′52″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.3, T.46 N., R.12 W., Siskiyou County, CA, Hydrologic Unit 18010206, Klamath National Forest, on left bank, 0.4 mi upstream from Bittenbender Creek, 1.4 mi downstream from Grider Creek, 2.2 mi west of Seiad Valley, and 55 mi downstream from Iron Gate Dam.

DRAINAGE AREA.--6,940 mi², approximately (not including Lost River, Butte Creek, or Lower Klamath Lake Basins).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1912 to September 1925, July 1951 to current year. Monthly discharges only for some periods, published in WSP 1315-B.
CHEMICAL DATA: Water years 1959-66, 2002-03.
DISSOLVED OXYGEN: Water years 2000-01 (daily), June 2002 to November 2003 (seasonal only).
pH: Water years 2000-01 (daily), June 2002 to November 2003 (seasonal only).
SPECIFIC CONDUCTANCE: Water years 2000-01 (daily), June 2002 to November 2003 (seasonal only).
AIR TEMPERATURE: Water years 1999-2001.
WATER TEMPERATURE: Water years 1964-79, 2000-01 (daily), June 2002 to November 2003 (seasonal only).
SEDIMENT DATA: Water years 1955-56.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,320 ft above NGVD of 1929, from river-profile map. November 1912 to June 1925, nonrecording gage at site 3.5 mi upstream at different datum.

REMARKS.--Records good. Low flow regulated considerably by reservoirs and powerplants upstream from station. Large diversions upstream from station for irrigation. See schematic diagram of Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165,000 ft³/s, Dec. 23, 1964, gage height, 33.75 ft, from floodmarks, from rating curve extended above 49,000 ft³/s, on basis of slope-area measurements at gage heights 20.1 and 29.2 ft; minimum daily, 320 ft³/s, Nov. 25, 1917.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1927 reached a peak stage of 22 ft, from information furnished by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
May 18	0000	*8,000	*7.61

11520500 Klamath River near Seiad Valley, CA—Continued

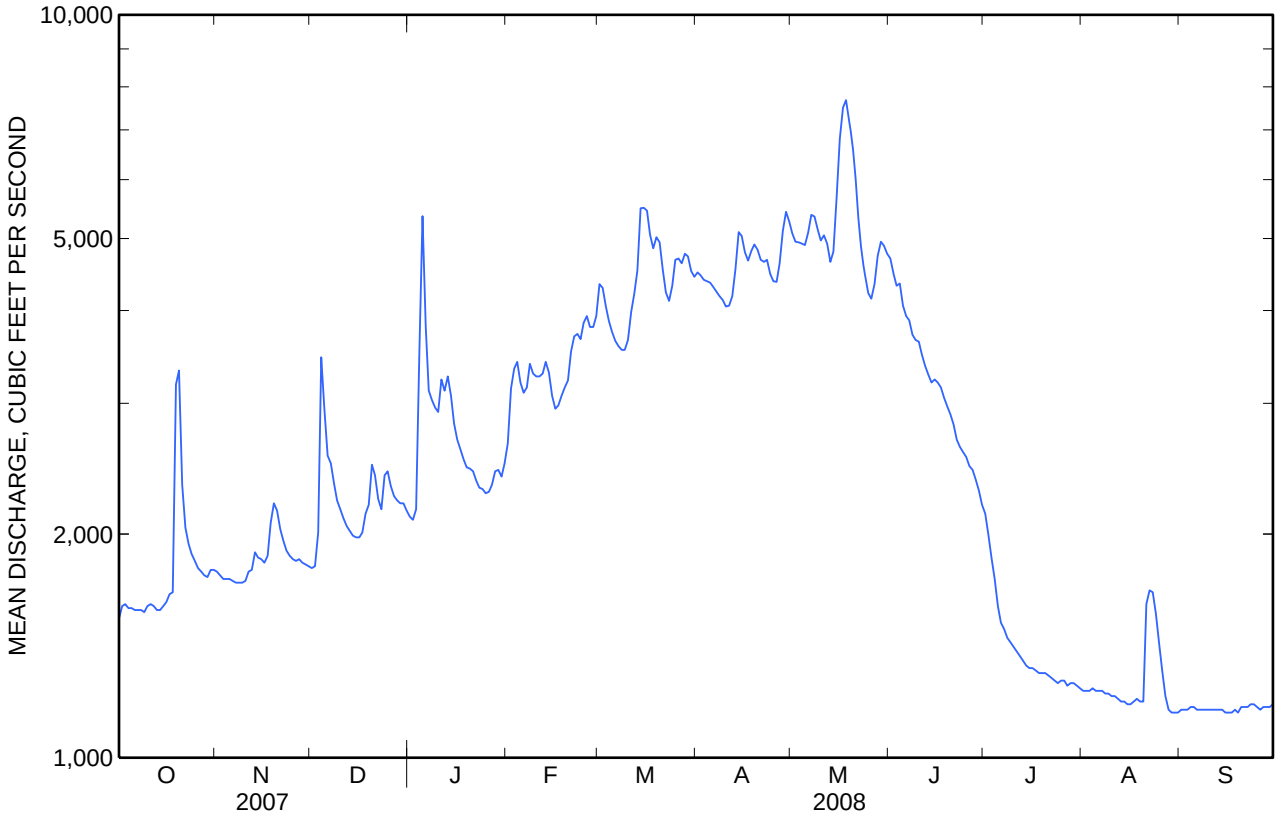
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,540	1,780	1,800	2,110	2,650	4,340	4,500	5,080	4,700	2,130	1,230	1,160
2	1,600	1,760	1,810	2,090	3,140	4,290	4,460	4,950	4,480	2,000	1,230	1,160
3	1,610	1,740	2,010	2,160	3,340	4,050	4,400	4,940	4,320	1,860	1,230	1,160
4	1,590	1,740	3,460	3,490	3,410	3,870	4,380	4,920	4,350	1,740	1,240	1,170
5	1,590	1,740	2,940	5,360	3,200	3,740	4,360	4,900	4,060	1,600	1,230	1,170
6	1,580	1,730	2,550	3,810	3,100	3,640	4,300	5,090	3,930	1,520	1,230	1,160
7	1,580	1,720	2,490	3,120	3,150	3,580	4,240	5,380	3,880	1,490	1,230	1,160
8	1,580	1,720	2,340	3,030	3,390	3,540	4,180	5,350	3,710	1,450	1,220	1,160
9	1,570	1,720	2,220	2,960	3,290	3,540	4,130	5,150	3,650	1,430	1,220	1,160
10	1,600	1,730	2,160	2,920	3,260	3,650	4,050	4,970	3,630	1,410	1,210	1,160
11	1,610	1,780	2,100	3,230	3,260	3,980	4,060	5,050	3,490	1,390	1,210	1,160
12	1,600	1,790	2,050	3,120	3,290	4,220	4,180	4,920	3,370	1,370	1,200	1,160
13	1,580	1,890	2,020	3,260	3,410	4,530	4,550	4,650	3,280	1,350	1,190	1,160
14	1,580	1,860	1,990	3,070	3,300	5,490	5,100	4,800	3,200	1,330	1,190	1,160
15	1,600	1,850	1,980	2,820	3,070	5,500	5,040	5,670	3,230	1,320	1,180	1,150
16	1,620	1,830	1,980	2,680	2,950	5,450	4,790	6,810	3,200	1,320	1,180	1,150
17	1,660	1,870	2,010	2,600	2,980	5,060	4,670	7,500	3,150	1,310	1,190	1,150
18	1,670	2,070	2,130	2,520	3,070	4,850	4,810	7,680	3,050	1,300	1,200	1,160
19	3,180	2,200	2,190	2,460	3,150	5,020	4,910	7,180	2,970	1,300	1,190	1,150
20	3,320	2,150	2,480	2,450	3,220	4,940	4,830	6,710	2,900	1,300	1,190	1,170
21	2,330	2,030	2,400	2,430	3,520	4,550	4,680	6,000	2,810	1,290	1,610	1,170
22	2,040	1,960	2,230	2,360	3,690	4,230	4,650	5,240	2,680	1,280	1,680	1,170
23	1,940	1,900	2,160	2,310	3,720	4,120	4,680	4,790	2,620	1,270	1,670	1,180
24	1,880	1,870	2,400	2,300	3,660	4,320	4,480	4,460	2,580	1,260	1,560	1,180
25	1,840	1,850	2,430	2,270	3,850	4,680	4,380	4,220	2,540	1,270	1,430	1,170
26	1,800	1,840	2,320	2,280	3,930	4,700	4,370	4,150	2,470	1,270	1,310	1,160
27	1,780	1,850	2,250	2,330	3,800	4,630	4,630	4,340	2,440	1,250	1,210	1,170
28	1,760	1,830	2,220	2,430	3,800	4,770	5,120	4,740	2,370	1,260	1,160	1,170
29	1,750	1,820	2,200	2,440	3,930	4,730	5,430	4,950	2,290	1,260	1,150	1,170
30	1,790	1,810	2,200	2,390	---	4,520	5,270	4,890	2,190	1,250	1,150	1,180
31	1,790	---	2,150	2,490	---	4,440	---	4,770	---	1,240	1,150	---
Total	55,960	55,430	69,670	85,290	97,530	136,970	137,630	164,250	97,540	43,820	39,270	34,910
Mean	1,805	1,848	2,247	2,751	3,363	4,418	4,588	5,298	3,251	1,414	1,267	1,164
Max	3,320	2,200	3,460	5,360	3,930	5,500	5,430	7,680	4,700	2,130	1,680	1,180
Min	1,540	1,720	1,800	2,090	2,650	3,540	4,050	4,150	2,190	1,240	1,150	1,150
Ac-ft	111,000	109,900	138,200	169,200	193,500	271,700	273,000	325,800	193,500	86,920	77,890	69,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,062	2,919	4,500	5,741	6,050	6,351	5,845	5,126	3,215	1,637	1,390	1,611
Max	4,490	7,654	20,280	21,500	17,980	19,120	13,940	10,700	7,980	3,908	2,778	3,000
(WY)	(1963)	(1985)	(1965)	(1965)	(1958)	(1972)	(1974)	(1956)	(1953)	(1913)	(1913)	(1925)
Min	1,047	1,200	1,395	1,408	1,466	1,145	1,132	1,285	819	598	436	604
(WY)	(1992)	(1995)	(1995)	(1992)	(1992)	(1977)	(1977)	(1992)	(1992)	(1992)	(1992)	(1992)

11520500 Klamath River near Seiad Valley, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1913 - 2008	
Annual total	956,610		1,018,270			
Annual mean	2,621		2,782		3,859	
Highest annual mean					7,434	1956
Lowest annual mean					1,151	1992
Highest daily mean	8,620	Jan 4	7,680	May 18	115,000	Dec 23, 1964
Lowest daily mean	1,100	Aug 26	1,150	Aug 29	320	Nov 25, 1917
Annual seven-day minimum	1,110	Sep 1	1,150	Sep 13	417	Aug 18, 1992
Maximum peak flow			8,000	May 18	165,000	Dec 23, 1964
Maximum peak stage			7.61	May 18	33.75	Dec 23, 1964
Annual runoff (ac-ft)	1,897,000		2,020,000		2,796,000	
10 percent exceeds	5,100		4,840		7,950	
50 percent exceeds	2,190		2,340		2,660	
90 percent exceeds	1,130		1,190		1,190