

**14361500 ROGUE RIVER AT GRANTS PASS, OR**

Southern Oregon Coastal Basin  
Middle Rogue Subbasin

LOCATION.--Lat 42°25'50", long 123°19'00" referenced to North American Datum of 1927, in NW ¼ sec.20, T.36 S., R.5 W., Josephine County, OR, Hydrologic Unit 17100308, on right bank, 0.6 mi upstream from bridge on State Highway 99 at Grants Pass and at mile 101.8.

DRAINAGE AREA.--2,459 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1938 to current year. Prior to January 1939, monthly discharge only, published in WSP 1318.

REVISED RECORDS.--WSP 1738: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 884.28 ft above NGVD of 1929. Prior to Aug. 8, 1957, at site 300 ft upstream at datum 4.00 ft higher and Aug. 8, 1957 to Sept. 2, 1983, at site 300 ft upstream at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since February 1977 by Lost Creek Lake (station 14355040), slight regulation by Fish Lake and Emigrant Lake. Large fluctuations at times caused by Savage Rapids Dam 5.5 mi upstream from station. Many diversions from Rogue River and tributaries upstream from station, the largest of which is at Savage Rapids Dam of Grants Pass Irrigation District. Continuous water-quality records for the period August 1973 to September 1987 have been collected at this location.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--39 years (water years 1939-77), 3,543 ft<sup>3</sup>/s, 2,566,000 acre-ft/yr. 30 years (water years 1978-2007), 3,246 ft<sup>3</sup>/s, 2,352,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 152,000 ft<sup>3</sup>/s Dec. 23, 1964, gage height, 35.15 ft, present datum, from rating curve extended above 93,000 ft<sup>3</sup>/s; minimum discharge, 195 ft<sup>3</sup>/s Jan. 30, 1961; minimum daily, 606 ft<sup>3</sup>/s Sept. 10, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1861 reached a stage of about 43 ft, present datum (information furnished by U.S. Army Corps of Engineers). Flood of February 1890 reached a stage of about 36 ft, present datum and that of Feb. 21, 1927, about 32 ft, present datum, according to local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,400 ft<sup>3</sup>/s Dec. 27, gage height, 12.75 ft; minimum discharge, 1,010 ft<sup>3</sup>/s Sept. 28.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,460	1,350	2,550	5,910	1,770	5,390	3,100	3,510	3,110	1,660	1,580	1,810
2	1,770	1,430	2,650	5,640	1,640	5,460	3,010	3,970	3,110	1,600	1,550	1,790
3	1,270	1,500	2,480	8,280	1,520	8,350	2,830	4,200	3,100	1,570	1,490	1,830
4	1,280	1,700	2,370	16,700	1,480	8,440	2,780	3,870	3,110	1,570	1,490	1,800
5	1,280	1,710	2,200	10,900	1,490	8,780	2,670	3,680	3,200	1,570	1,520	1,830
6	1,240	1,750	2,190	9,420	1,490	8,420	2,620	3,370	3,450	1,560	1,530	1,830
7	1,280	1,780	2,110	9,450	1,520	7,890	2,620	3,170	3,410	1,570	1,520	1,820
8	1,280	2,160	2,060	8,610	1,820	7,960	2,640	3,260	3,010	1,590	1,520	1,800
9	1,270	2,320	2,080	7,960	2,110	7,310	2,630	3,090	2,600	1,550	1,530	1,820
10	1,260	2,440	2,120	7,340	2,210	7,540	2,600	3,410	2,520	1,540	1,540	1,830
11	1,260	2,780	2,200	6,790	4,010	6,880	2,830	3,320	2,490	1,600	1,600	1,790
12	1,260	2,660	4,430	5,600	4,130	6,950	3,120	2,870	2,390	1,690	1,690	1,760
13	1,250	3,040	11,100	4,920	3,110	6,950	3,110	3,010	2,310	1,660	1,690	1,790
14	1,280	3,970	16,400	4,280	2,620	6,500	3,220	2,830	2,310	1,630	1,760	1,810
15	1,290	3,170	11,700	3,860	3,610	6,290	3,690	2,750	2,250	1,620	1,690	1,850
16	1,340	2,980	8,810	3,680	4,840	6,110	3,400	2,620	2,280	1,640	1,670	1,850
17	1,370	3,320	7,390	3,190	4,130	5,880	3,240	2,540	2,280	1,650	1,670	1,850
18	1,340	3,040	6,630	2,810	3,680	5,720	3,750	2,520	2,290	1,850	1,700	1,720
19	1,310	2,970	5,560	2,750	3,310	5,560	4,290	2,490	2,220	2,050	1,770	1,620
20	1,290	3,530	5,060	2,670	2,930	5,460	4,030	2,470	2,200	1,840	1,840	1,560
21	1,290	3,680	5,620	2,520	3,500	5,300	3,810	2,520	2,170	1,780	1,780	1,480
22	1,290	3,860	6,070	2,250	7,260	4,820	4,660	2,460	2,190	1,750	1,760	1,400
23	1,280	4,740	5,630	2,180	6,940	4,380	4,770	2,360	2,220	1,720	1,760	1,330
24	1,290	3,870	5,830	2,150	6,780	4,030	4,390	2,120	2,230	1,670	1,740	1,260
25	1,280	3,350	13,000	2,120	13,400	4,080	4,020	2,060	2,230	1,670	1,720	1,220
26	1,290	3,350	23,000	2,080	10,100	4,310	3,760	2,420	2,150	1,670	1,740	1,210
27	1,330	4,190	19,000	2,060	8,060	4,280	3,550	2,630	2,020	1,630	1,770	1,230
28	1,350	3,650	10,600	2,010	6,520	4,350	3,360	3,070	1,940	1,600	1,750	1,190
29	1,360	2,960	7,890	1,930	---	4,020	3,300	3,190	1,860	1,590	1,720	1,390
30	1,360	2,530	6,680	1,860	---	3,550	3,420	3,150	1,750	1,600	1,730	1,350
31	1,370	---	6,050	1,810	---	3,210	---	3,120	---	1,590	1,830	---
<b>Total</b>	40,870	85,780	211,460	153,730	115,980	184,170	101,220	92,050	74,400	51,280	51,650	48,820
<b>Mean</b>	1,318	2,859	6,821	4,959	4,142	5,941	3,374	2,969	2,480	1,654	1,666	1,627
<b>Max</b>	1,770	4,740	23,000	16,700	13,400	8,780	4,770	4,200	3,450	2,050	1,840	1,850
<b>Min</b>	1,240	1,350	2,060	1,810	1,480	3,210	2,600	2,060	1,750	1,540	1,490	1,190
<b>Ac-ft</b>	81,070	170,100	419,400	304,900	230,000	365,300	200,800	182,600	147,600	101,700	102,400	96,830

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1,446	2,545	4,972	5,089	4,489	4,081	3,930	3,720	2,784	2,102	2,070	1,771
<b>Max</b>	2,282	7,669	17,620	16,600	10,960	8,119	6,843	6,428	4,572	3,485	3,080	2,642
<b>(WY)</b>	(1984)	(1985)	(1997)	(1997)	(1983)	(1983)	(1983)	(1998)	(1993)	(1999)	(1984)	(1983)
<b>Min</b>	1,008	1,160	1,557	1,348	1,250	1,099	1,211	1,857	1,549	1,059	1,620	1,333
<b>(WY)</b>	(1995)	(1988)	(1990)	(2001)	(2001)	(1992)	(1994)	(1992)	(1992)	(1992)	(1994)	(1980)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1978 - 2007	
<b>Annual total</b>	1,656,230		1,211,410			
<b>Annual mean</b>	4,538		3,319		3,246	
<b>Highest annual mean</b>					5,840	1997
<b>Lowest annual mean</b>					1,538	1992
<b>Highest daily mean</b>	29,100	Jan 1	23,000	Dec 26	69,000	Jan 1, 1997
<b>Lowest daily mean</b>	1,240	Oct 6	1,190	Sep 28	744	Oct 10, 1994
<b>Annual seven-day minimum</b>	1,260	Oct 6	1,260	Sep 23	799	Sep 22, 1994
<b>Annual runoff (ac-ft)</b>	3,285,000		2,403,000		2,352,000	
<b>10 percent exceeds</b>	11,000		6,720		6,040	
<b>50 percent exceeds</b>	3,060		2,420		2,250	
<b>90 percent exceeds</b>	1,360		1,370		1,280	

