

Figure 33. Location of surface-water and water-quality stations in the Rogue and Chetco River Basins.

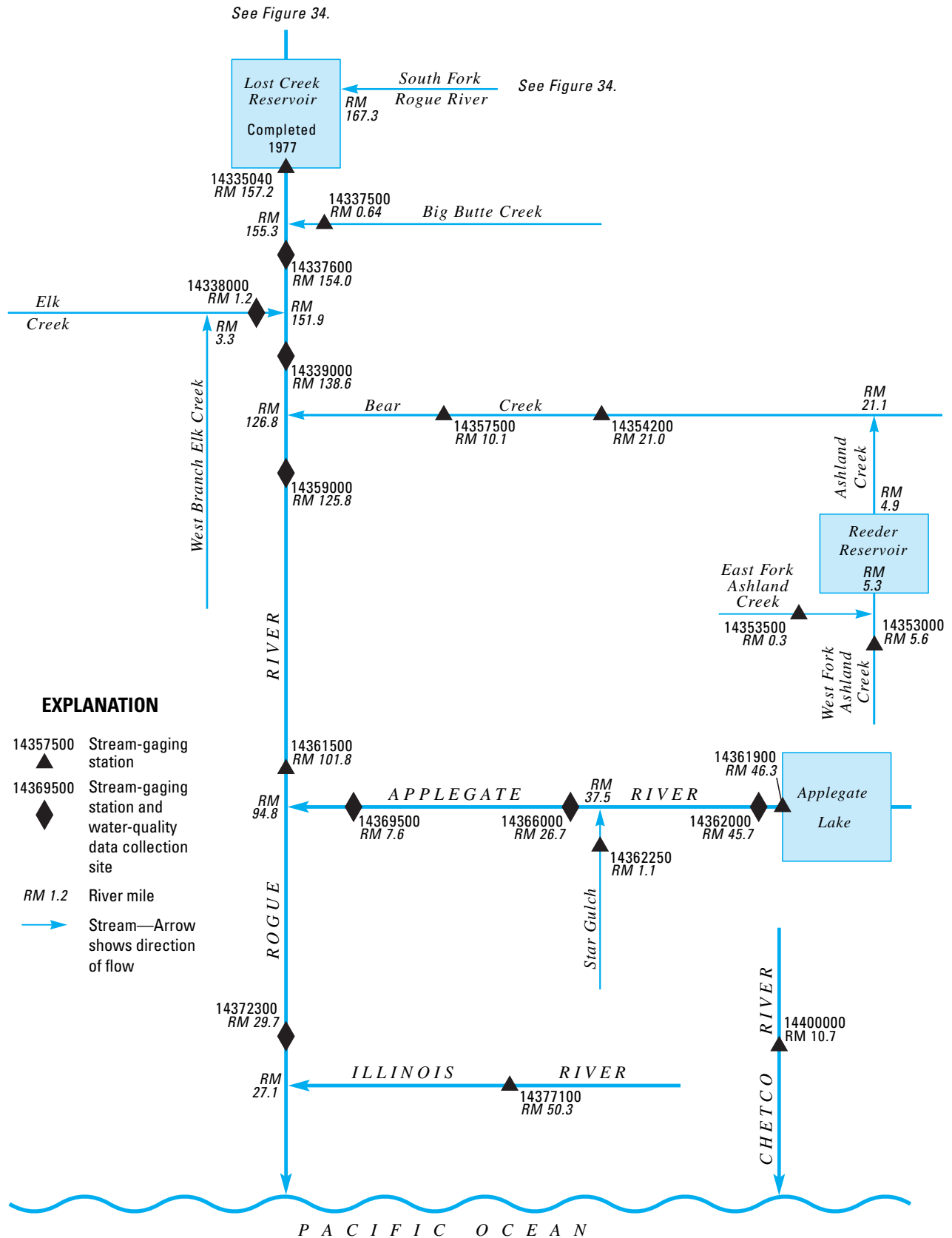


Figure 35. Schematic diagram of surface-water and water-quality stations in the Rogue River Basin, downstream from Lost Creek Reservoir.

ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD, NEAR CENTRAL POINT, OR

LOCATION.--Lat 42°26'15", long 122°59'10", in SW ¼ sec.18, T.36 S., R.2 W., Jackson County, Hydrologic Unit 17100308, on right bank at Raygold, 0.1 mi downstream from Gold Ray Dam, 1.0 mi downstream from Bear Creek, 5.6 mi northwest of Central Point and at mile 125.8.

DRAINAGE AREA.--2,053 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1905 to current year. Prior to October 1921, published as "near Tolo."

REVISED RECORDS.--WSP 1248: 1906, 1914(M), 1915. WSP 1398: 1910(M). WSP 1738: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,121.78 ft above NGVD of 1929. Prior to Sept. 19, 1914, nonrecording gage and Sept. 19, 1914, to Sept. 30, 1956, water-stage recorder, at site 300 ft upstream at same datum.

REMARKS.--Records good except those for the period Nov. 21-23 and estimated daily discharges, which are fair. Flow regulated since February 1977 by Lost Creek Lake (station 14335040). Slight regulation by Fish Lake and Emigrant Lake. Many diversions for irrigation upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--71 years (water years 1906-76), 2,998 ft³/s, 2,172,000 acre-ft/yr. 29 years (water years 1977-2005), 2,773 ft³/s, 2,009,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,000 ft³/s Dec. 23, 1964, gage height, 23.43 ft, from rating curve extended above 63,000 ft³/s on basis of slope-area measurement of 113,000 ft³/s; minimum discharge recorded, 418 ft³/s Sept. 19, 1968, as result of regulation, but may have been lower during periods of no record during water years 1931-34.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft³/s Dec. 9, gage height, 8.38 ft; minimum discharge, 963 ft³/s Oct. 4, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,060	1,460	1,220	2,270	1,370	1,120	1,700	1,530	2,600	2,620	1,860	1,850
2	1,010	1,500	1,190	2,390	e1,300	1,130	1,620	1,500	2,360	2,530	1,860	1,850
3	1,010	2,100	1,180	2,090	e1,300	1,120	1,580	1,440	2,230	2,450	1,840	1,870
4	1,010	1,720	1,180	1,890	1,270	1,120	1,900	1,440	2,110	2,420	1,830	1,900
5	998	1,580	1,180	1,740	1,270	1,100	1,740	1,910	2,030	2,370	1,830	1,900
6	985	1,520	1,480	1,660	1,260	1,100	1,600	3,660	2,190	2,370	1,820	1,880
7	1,000	1,490	3,940	1,650	1,310	1,090	1,630	3,710	2,430	2,370	1,840	1,880
8	1,030	1,460	10,800	1,850	1,270	1,080	1,970	5,320	2,310	2,350	1,840	1,890
9	1,130	1,410	15,500	2,050	1,250	1,110	2,310	8,480	2,180	2,400	1,810	1,880
10	1,090	1,330	8,520	2,220	1,230	1,110	2,120	9,380	1,930	2,420	1,810	1,910
11	1,060	1,330	6,380	2,190	1,220	1,100	1,920	8,650	1,870	2,320	1,820	1,990
12	1,070	1,270	5,170	2,000	1,210	1,110	1,840	6,770	1,860	2,200	1,820	1,980
13	1,050	1,240	4,290	1,830	1,200	1,120	1,730	5,560	1,800	2,170	1,830	1,950
14	1,030	1,240	4,020	1,720	1,200	1,100	1,650	4,930	2,050	2,180	1,840	1,930
15	1,020	1,210	3,620	1,920	1,190	1,100	1,540	4,690	2,140	2,160	1,840	1,850
16	1,010	1,160	3,250	2,550	1,180	1,100	1,490	5,040	2,170	2,160	1,830	1,760
17	1,100	1,120	2,960	3,030	1,170	1,110	1,690	6,580	2,250	2,170	1,840	1,700
18	1,180	1,080	2,710	3,260	1,160	1,100	1,720	6,170	2,240	2,080	1,830	1,640
19	1,100	1,060	2,460	3,220	1,180	1,120	1,620	5,940	2,250	1,970	1,830	1,550
20	1,110	1,080	2,320	2,740	1,200	1,120	1,590	5,300	2,190	1,870	1,840	1,440
21	1,080	1,110	2,310	2,300	1,210	1,130	1,500	4,650	2,130	1,860	1,860	1,320
22	1,090	1,110	2,280	1,990	1,180	1,170	1,420	4,190	2,380	1,850	1,850	1,270
23	2,130	1,140	2,180	1,870	1,160	1,250	1,480	3,800	2,730	1,840	1,820	1,320
24	1,550	1,170	2,050	1,740	1,150	1,240	1,780	3,400	2,830	1,860	1,850	1,360
25	1,300	1,300	1,900	1,670	1,130	1,170	1,610	3,070	2,820	1,860	1,860	1,350
26	1,370	1,550	1,980	1,690	1,120	1,160	1,490	2,910	2,830	1,830	1,870	1,330
27	1,290	1,680	1,940	1,770	1,110	1,310	1,470	2,710	2,840	1,830	1,830	1,330
28	1,210	1,540	1,770	1,630	1,140	3,150	1,930	3,120	2,810	1,820	1,850	1,300
29	1,260	1,310	1,990	1,530	---	3,590	1,780	3,240	2,800	1,830	1,860	1,290
30	1,440	1,250	2,030	1,450	---	2,870	1,570	3,120	2,720	1,820	1,860	1,290
31	1,470	---	1,960	1,400	---	2,040	---	2,750	---	1,870	1,850	---
TOTAL	36,243	40,520	105,760	63,310	33,940	42,240	50,990	134,960	70,080	65,850	57,020	49,760
MEAN	1,169	1,351	3,412	2,042	1,212	1,363	1,700	4,354	2,336	2,124	1,839	1,659
MAX	2,130	2,100	15,500	3,260	1,370	3,590	2,310	9,380	2,840	2,620	1,870	1,990
MIN	985	1,060	1,180	1,400	1,110	1,080	1,420	1,440	1,800	1,820	1,810	1,270
AC-FT	71,890	80,370	209,800	125,600	67,320	83,780	101,100	267,700	139,000	130,600	113,100	98,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	1,396	2,203	3,899	3,693	3,323	3,257	3,355	3,389	2,676	2,152	2,135	1,813
MAX	2,110	6,184	14,680	13,750	8,461	6,151	5,596	5,605	4,426	3,589	3,115	2,508
(WY)	(1984)	(1985)	(1997)	(1997)	(1996)	(1989)	(1983)	(1998)	(1993)	(1999)	(1984)	(1983)
MIN	932	1,089	1,336	1,255	1,095	1,111	989	1,483	1,171	1,117	1,131	1,434
(WY)	(1995)	(1988)	(1977)	(2001)	(2001)	(1992)	(1977)	(1977)	(1977)	(1992)	(1977)	(1980)

ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD, NEAR CENTRAL POINT, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	942,523		750,673			
ANNUAL MEAN	2,575		2,057		2,773	
HIGHEST ANNUAL MEAN					5,098	
LOWEST ANNUAL MEAN					1,284	
HIGHEST DAILY MEAN	15,500	Dec 9	15,500	Dec 9	53,900	Jan 1, 1997
LOWEST DAILY MEAN	985	Oct 6	985	Oct 6	662	Feb 19, 1977
ANNUAL SEVEN-DAY MINIMUM	1,010	Oct 2	1,010	Oct 2	862	Apr 16, 1977
ANNUAL RUNOFF (AC-FT)	1,869,000		1,489,000		2,009,000	
10 PERCENT EXCEEDS	3,950		3,090		4,830	
50 PERCENT EXCEEDS	2,300		1,820		2,150	
90 PERCENT EXCEEDS	1,170		1,110		1,230	

e Estimated



2005 Water Year
ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD NEAR CENTRAL POINT, OR

Latitude: 42° 26' 15"

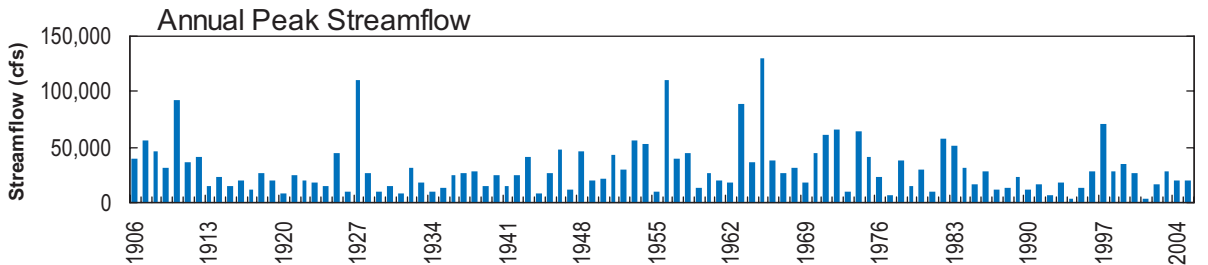
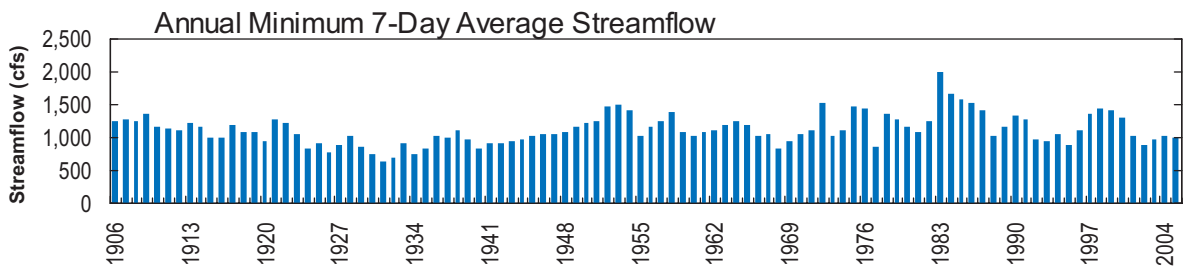
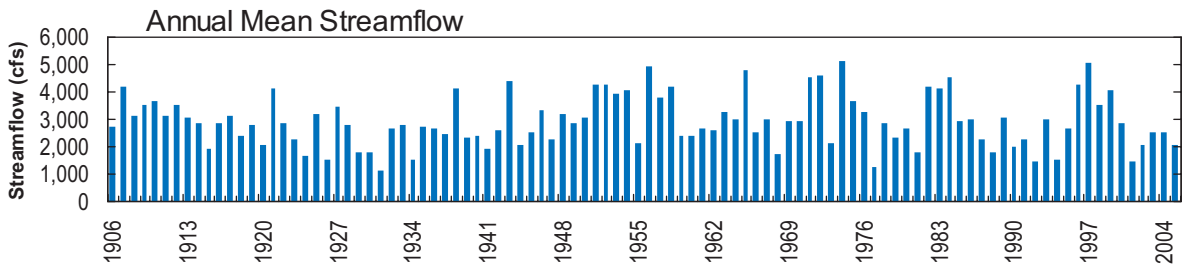
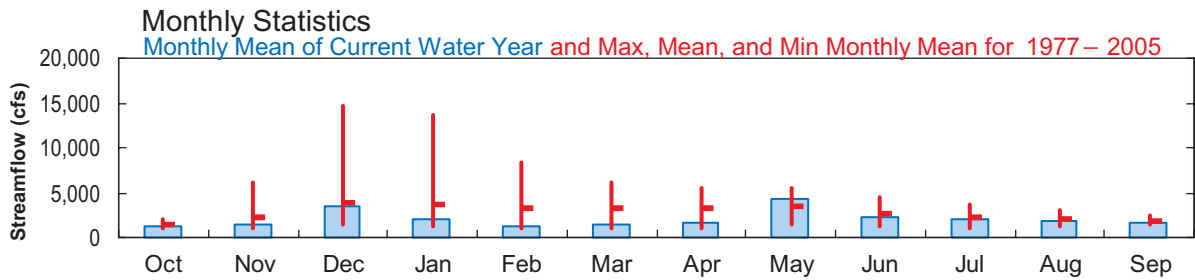
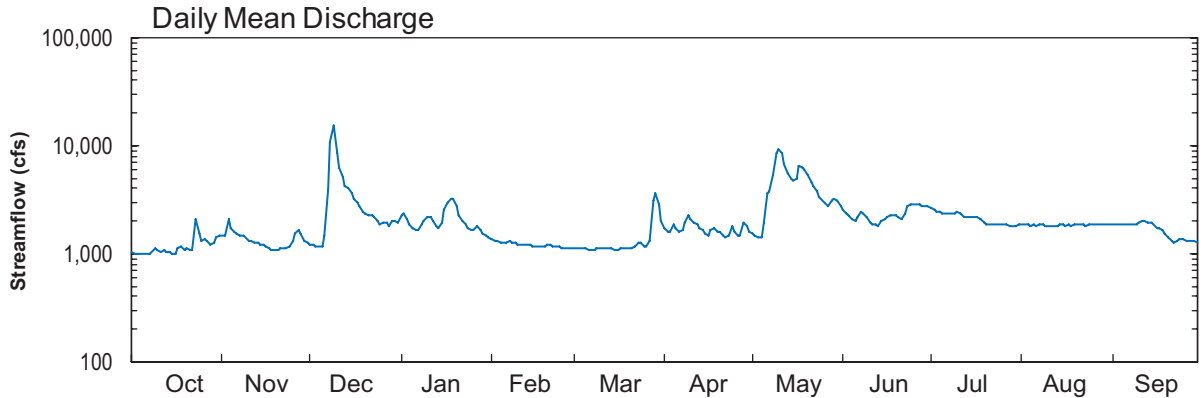
Longitude: 122° 59' 10"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 1121.78 feet

Drainage Area: 2053 mi²



ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD, NEAR CENTRAL POINT, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1973 to current year.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records fair except those for the periods of daily means only, which are poor.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, prior to operation of Lost Creek Dam, 22.0°C July 25, 26, 1976; minimum, 0.0°C Jan. 7, 1974. Maximum since full operation of Lost Creek Dam, 26.0°C July 26, 1996; minimum, 1.0°C Dec. 30, 1978, Jan. 30, 1980, Feb. 5, 6, 1989, Dec. 26, 1989, Dec. 21, 1990.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 20.1°C July 15, Aug. 18; minimum, 2.8°C Jan. 9.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.9	12.7	13.2	---	---	8.0	---	---	6.4	5.4	4.6	5.1
2	14.0	13.1	13.5	---	---	7.8	---	---	6.3	4.8	3.7	4.3
3	14.0	13.1	13.5	---	---	8.6	---	---	5.3	5.2	4.3	4.7
4	13.6	12.7	13.2	---	---	7.5	---	---	4.8	5.0	4.3	4.6
5	13.5	12.5	13.0	---	---	7.1	---	---	5.2	4.5	3.1	3.7
6	13.4	12.6	13.1	---	---	7.1	---	---	5.6	5.0	3.7	4.2
7	13.8	12.8	13.3	---	---	7.4	---	---	6.0	5.2	4.2	4.6
8	13.8	12.1	13.1	---	---	7.4	7.4	6.3	6.7	4.7	2.9	3.7
9	---	---	12.4	---	---	7.4	8.4	7.4	7.7	4.9	2.8	3.6
10	---	---	11.0	---	---	8.3	8.4	8.0	8.2	4.9	4.0	4.5
11	---	---	11.0	---	---	8.4	8.3	7.7	7.9	4.8	3.9	4.4
12	---	---	11.0	---	---	7.8	8.0	7.4	7.7	4.6	3.3	4.1
13	---	---	11.2	---	---	8.3	8.5	7.1	7.7	4.6	3.1	3.6
14	---	---	11.4	---	---	8.2	8.4	7.4	8.0	4.2	3.1	3.6
15	---	---	11.3	---	---	7.8	7.7	6.2	6.8	5.2	4.0	4.6
16	---	---	10.8	---	---	8.5	6.9	5.7	6.4	6.1	4.9	5.4
17	---	---	10.8	---	---	7.7	6.8	5.2	6.1	5.9	4.9	5.4
18	---	---	9.5	---	---	7.1	6.8	5.2	5.8	6.6	5.6	6.0
19	---	---	9.5	---	---	6.9	6.4	5.0	5.8	6.6	5.8	6.0
20	---	---	9.4	---	---	6.1	6.3	5.2	5.8	6.2	5.6	6.0
21	---	---	9.4	---	---	5.2	6.0	4.9	5.5	6.1	5.3	5.6
22	---	---	9.2	---	---	5.1	5.8	4.2	5.1	6.0	5.0	5.5
23	---	---	10.0	---	---	6.0	5.4	4.2	4.9	6.0	5.1	5.5
24	---	---	9.7	---	---	7.2	5.5	4.3	4.9	6.1	4.7	5.4
25	---	---	8.9	---	---	8.0	4.9	3.6	4.3	6.9	5.4	6.0
26	---	---	9.2	---	---	7.6	5.1	4.2	4.7	7.5	6.8	7.1
27	---	---	8.8	---	---	7.0	5.8	4.4	5.1	7.5	6.5	7.1
28	---	---	9.2	---	---	6.0	6.1	4.8	5.4	7.4	6.8	7.0
29	---	---	9.4	---	---	5.1	6.7	5.8	6.2	7.2	6.3	6.8
30	---	---	8.6	---	---	5.5	6.3	5.4	5.9	7.1	5.0	5.9
31	---	---	8.2	---	---	---	6.0	4.8	5.3	6.1	4.4	5.4
MONTH	14.0	12.1	10.8	---	---	7.2	8.5	3.6	6.0	7.5	2.8	5.1

ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD, NEAR CENTRAL POINT, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.9	4.2	5.3	---	---	7.6	---	---	10.0	16.2	14.3	15.2
2	---	---	---	---	---	8.0	---	---	10.1	17.2	13.8	15.5
3	---	---	---	---	---	8.2	10.5	7.7	9.1	16.9	14.4	15.8
4	6.3	4.5	5.5	---	---	8.6	10.8	7.3	8.8	16.8	14.7	15.7
5	6.2	5.5	5.8	---	---	8.6	11.2	8.6	9.9	16.0	14.5	15.1
6	6.0	4.1	5.2	---	---	8.7	12.9	9.2	11.0	15.2	12.6	13.5
7	6.1	4.3	5.4	---	---	9.4	12.8	11.2	11.8	14.5	11.8	13.2
8	6.2	4.1	5.2	---	---	9.9	11.2	8.3	9.5	14.2	11.6	13.0
9	5.8	3.5	4.7	---	---	9.9	11.3	7.7	9.2	13.4	11.0	11.9
10	5.8	4.2	5.1	---	---	9.9	11.3	7.6	9.8	11.1	9.2	10.3
11	6.2	4.6	5.4	---	---	10.3	12.3	8.9	10.9	12.5	9.1	10.6
12	6.5	4.9	5.7	---	---	10.7	12.3	8.8	10.3	13.2	9.0	11.3
13	6.5	5.4	6.1	---	---	10.2	10.1	7.0	8.9	13.8	10.6	11.9
14	6.6	5.2	6.0	---	---	9.4	11.5	7.6	9.5	14.5	11.1	12.9
15	6.4	4.6	5.4	---	---	9.0	12.2	9.0	10.6	13.8	11.6	12.5
16	6.4	4.6	5.6	---	---	8.5	12.2	9.4	10.9	12.9	10.1	11.6
17	7.4	5.2	6.2	---	---	8.5	12.3	9.2	10.8	11.7	9.0	10.2
18	---	---	6.8	---	---	9.9	11.8	9.0	10.6	11.8	7.6	10.1
19	---	---	7.7	---	---	10.2	12.8	8.3	10.8	12.6	8.8	10.8
20	---	---	8.0	---	---	8.8	13.3	10.0	11.8	12.5	9.3	10.9
21	---	---	7.6	---	---	8.3	14.8	11.2	12.7	13.7	9.2	11.4
22	---	---	7.6	---	---	9.3	15.0	12.0	13.5	14.6	10.5	12.4
23	---	---	7.6	---	---	9.9	14.9	12.8	13.7	14.6	9.9	12.3
24	---	---	7.8	---	---	9.2	15.6	11.8	13.4	15.2	10.3	12.7
25	---	---	8.0	---	---	9.3	16.1	12.6	14.1	16.1	11.4	13.9
26	---	---	7.9	---	---	9.5	16.5	13.4	15.0	17.3	12.3	14.8
27	---	---	8.2	---	---	9.6	16.5	14.0	15.0	17.2	12.8	15.1
28	---	---	8.1	---	---	8.8	15.4	13.8	14.6	16.3	12.9	14.2
29	---	---	---	---	---	8.6	15.3	12.8	14.0	13.3	11.1	12.3
30	---	---	---	---	---	8.6	16.2	13.1	14.6	15.2	11.3	12.9
31	---	---	---	---	---	9.1	---	---	---	15.1	12.1	13.8
MONTH	7.4	3.5	6.5	---	---	9.2	16.5	7.0	11.5	17.3	7.6	12.8
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.7	11.5	13.2	17.9	12.7	15.4	19.3	15.5	17.3	18.7	15.8	17.3
2	15.8	11.7	13.5	17.7	13.3	15.5	19.1	15.0	17.0	18.7	15.9	17.4
3	16.5	12.2	14.3	17.6	12.5	15.2	19.1	15.1	17.1	18.5	15.4	16.6
4	16.5	12.4	14.7	18.0	12.9	15.5	19.4	15.5	17.5	17.6	14.7	16.1
5	16.1	12.7	14.4	18.3	13.3	15.9	19.6	15.8	17.7	17.9	14.6	16.3
6	14.5	11.0	12.8	18.4	13.5	16.0	19.9	15.6	17.8	18.0	15.1	16.7
7	13.6	10.8	12.2	17.9	13.4	15.7	19.6	16.1	17.8	18.5	15.1	16.9
8	15.9	10.5	13.0	17.3	13.4	15.5	19.7	15.9	17.8	18.2	15.4	16.8
9	17.2	12.9	15.0	17.2	13.4	15.3	19.5	15.7	17.8	17.7	14.9	16.3
10	17.8	13.9	15.7	18.1	13.3	15.4	19.4	15.6	17.7	16.8	13.7	14.9
11	17.7	13.6	15.1	18.4	13.8	16.1	19.1	15.2	17.2	16.8	13.2	14.9
12	16.9	12.4	14.5	18.6	13.8	16.3	18.9	15.4	17.1	16.9	13.7	15.3
13	17.9	13.9	15.7	---	---	---	19.6	15.4	17.4	16.7	13.3	15.2
14	17.9	13.8	15.7	---	---	---	19.6	16.2	18.0	16.8	13.7	15.4
15	16.5	12.4	14.5	20.1	15.1	17.6	19.7	15.9	17.9	16.7	13.8	15.3
16	16.3	12.0	13.8	19.8	15.3	17.8	19.8	16.3	18.2	16.5	13.2	14.8
17	13.9	11.5	12.7	20.0	15.2	17.6	19.6	16.0	17.9	16.2	13.4	14.9
18	13.6	11.3	12.5	19.8	15.1	17.6	20.1	16.1	18.0	16.1	13.4	14.7
19	16.2	11.9	13.8	20.0	15.3	17.7	19.8	15.9	17.9	16.5	13.7	14.9
20	17.2	12.7	15.0	19.3	14.9	17.2	19.9	16.3	18.3	16.5	14.2	15.3
21	17.0	13.1	15.2	19.2	14.6	16.8	19.9	16.4	18.4	16.3	14.6	15.5
22	16.8	13.1	15.1	19.1	14.6	16.9	19.7	16.8	18.3	16.2	14.1	14.9
23	17.1	11.9	14.5	19.2	15.1	17.2	19.1	15.9	17.6	17.2	13.1	14.0
24	17.2	12.1	14.6	19.2	15.2	17.2	18.7	15.4	17.1	14.5	11.7	13.2
25	16.8	12.2	14.3	18.7	14.7	16.8	18.8	15.5	17.3	14.3	12.2	13.2
26	16.6	12.2	14.4	19.4	14.9	17.0	18.9	15.9	17.5	14.0	12.3	13.1
27	15.6	12.3	14.1	19.5	15.5	17.6	19.0	15.6	17.4	15.1	13.2	13.9
28	17.0	12.3	14.4	19.2	14.9	17.4	18.9	15.5	17.2	15.2	13.2	13.9
29	17.6	12.2	14.7	19.0	15.3	17.1	18.6	15.8	17.2	14.7	12.5	13.8
30	17.8	12.3	14.8	19.1	14.7	17.0	18.1	14.7	16.3	15.4	13.4	14.3
31	---	---	---	19.6	15.0	17.4	18.7	15.4	17.1	---	---	---
MONTH	17.9	10.5	14.3	20.1	12.5	16.6	20.1	14.7	17.6	18.7	11.7	15.2
YEAR	20.1	2.8	11.1									

ROGUE RIVER BASIN

14361500 ROGUE RIVER AT GRANTS PASS, OR

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

DRAINAGE AREA.--2,459 mi².

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.--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, 5.5 mi upstream from station. Continuous water-quality records for the period August 1973 to September 1987 have been collected at this location. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--38 years (water years 1940-77), 3,543 ft³/s, 2,566,000 acre-ft/yr. 28 years (water years 1978-2005), 3,191 ft³/s, 2,312,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 152,000 ft³/s Dec. 23, 1964, gage height, 35.15 ft, present datum, from rating curve extended above 93,000 ft³/s; minimum discharge, 195 ft³/s Jan. 30, 1961; minimum daily, 606 ft³/s Sept. 10, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1861 reached a stage of about 43 ft, present datum (information furnished by Corps of Engineers). Flood in 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, 24,600 ft³/s Dec. 9, gage height, 11.40 ft, from inside high water mark; minimum discharge, 1,020 ft³/s Oct. 15, result of regulation at Savage Rapids Dam.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,210	1,490	1,310	2,380	1,460	1,180	1,860	1,660	2,590	2,560	1,680	1,640
2	1,180	1,530	1,290	2,830	1,430	1,180	1,710	1,610	2,310	2,420	1,680	1,640
3	1,210	2,080	1,280	2,390	1,410	1,170	1,650	1,540	2,130	2,320	1,660	1,660
4	1,570	e1,800	1,280	2,080	1,370	1,170	2,030	1,510	1,960	2,270	1,650	1,690
5	1,160	e1,640	1,280	1,900	1,360	1,160	1,850	1,920	1,880	2,210	1,640	1,700
6	1,140	e1,570	1,470	1,790	1,350	1,150	1,680	3,890	1,920	2,190	1,630	1,680
7	1,140	e1,540	4,100	1,750	1,370	1,130	1,620	4,490	2,360	2,190	1,640	1,670
8	1,190	e1,510	e12,200	2,030	1,350	1,130	2,020	5,960	2,250	2,170	1,660	1,680
9	1,260	1,480	e19,000	2,290	1,320	1,130	2,650	11,000	2,060	2,280	1,620	1,670
10	1,240	1,410	11,100	2,510	1,310	1,140	2,540	12,000	1,790	2,300	1,610	1,700
11	1,230	1,400	7,570	2,530	1,300	1,130	2,120	11,600	1,700	2,180	1,610	1,790
12	1,230	1,370	5,980	2,270	1,290	1,130	1,980	8,760	1,690	2,060	1,620	1,800
13	1,220	1,340	4,820	2,030	1,290	1,140	1,830	7,050	1,620	1,980	1,630	1,770
14	1,200	1,340	4,380	1,870	1,280	1,120	1,710	6,010	1,720	2,000	1,650	1,750
15	1,110	1,320	3,950	1,980	1,270	1,120	1,570	5,630	1,920	1,980	1,660	1,680
16	1,190	1,290	3,490	2,700	1,260	1,120	1,510	5,720	1,940	1,980	1,640	1,580
17	1,240	1,270	3,150	3,740	1,250	1,120	1,620	7,560	2,080	1,980	1,640	1,530
18	1,340	1,250	2,860	4,270	1,230	1,120	1,700	7,410	2,090	1,930	1,650	1,480
19	1,280	1,220	2,540	4,590	1,240	1,130	1,600	7,240	2,100	1,810	1,640	1,430
20	1,270	1,220	2,320	3,870	1,260	1,150	1,560	6,370	2,050	1,720	1,650	1,340
21	1,260	1,230	2,290	3,190	1,270	1,150	1,490	5,320	2,000	1,620	1,660	1,260
22	1,260	1,220	2,260	2,580	1,240	1,200	1,410	4,740	2,240	1,670	1,660	1,190
23	2,090	1,240	2,190	2,320	1,220	1,270	1,430	4,290	2,650	1,670	1,640	1,230
24	1,820	1,270	2,060	2,120	1,210	1,280	1,720	3,830	2,890	1,670	1,640	1,270
25	1,440	1,350	1,930	1,970	1,190	1,220	1,640	3,360	2,920	1,680	1,650	1,270
26	1,450	1,520	1,970	1,920	1,180	1,190	1,510	3,080	2,810	1,650	1,690	1,260
27	1,420	1,670	2,000	2,030	1,170	1,380	1,500	2,830	2,820	1,640	1,650	1,260
28	1,350	1,570	1,860	1,840	1,180	3,980	2,250	3,080	2,800	1,630	1,650	1,240
29	1,350	1,410	1,950	1,690	---	4,640	2,150	3,390	2,780	1,630	1,680	1,230
30	1,450	1,340	2,270	1,580	---	4,050	1,780	3,290	2,690	1,630	1,660	1,220
31	1,500	---	2,100	1,510	---	2,520	---	2,860	---	1,670	1,660	---
TOTAL	41,000	42,890	118,250	74,550	36,060	46,700	53,690	159,000	66,760	60,690	51,100	45,310
MEAN	1,323	1,430	3,815	2,405	1,288	1,506	1,790	5,129	2,225	1,958	1,648	1,510
MAX	2,090	2,080	19,000	4,590	1,460	4,640	2,650	12,000	2,920	2,560	1,690	1,800
MIN	1,110	1,220	1,280	1,510	1,170	1,120	1,410	1,510	1,620	1,620	1,610	1,190
AC-FT	81,320	85,070	234,500	147,900	71,530	92,630	106,500	315,400	132,400	120,400	101,400	89,870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

MEAN	1,461	2,538	4,749	4,734	4,402	4,009	3,941	3,735	2,788	2,112	2,096	1,783
MAX	2,282	7,669	17,620	16,600	10,960	8,119	6,843	6,428	4,572	3,485	3,080	2,642
(WY)	(1984)	(1985)	(1997)	(1997)	(1983)	(1983)	(1983)	(1998)	(1993)	(1999)	(1984)	(1983)
MIN	1,008	1,160	1,557	1,348	1,250	1,099	1,211	1,857	1,549	1,059	1,620	1,333
(WY)	(1995)	(1988)	(1990)	(2001)	(2001)	(1992)	(1994)	(1992)	(1992)	(1992)	(1994)	(1980)

ROGUE RIVER BASIN

14361500 ROGUE RIVER AT GRANTS PASS, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1978 - 2005	
ANNUAL TOTAL	1,022,170		796,000			
ANNUAL MEAN	2,793		2,181		3,191	
HIGHEST ANNUAL MEAN					5,840	1997
LOWEST ANNUAL MEAN					1,538	1992
HIGHEST DAILY MEAN	19,100	Feb 17	19,000	Dec 9	69,000	Jan 1, 1997
LOWEST DAILY MEAN	1,050	Sep 25	1,110	Oct 15	744	Oct 10, 1994
ANNUAL SEVEN-DAY MINIMUM	1,100	Sep 24	1,120	Mar 12	799	Sep 22, 1994
ANNUAL RUNOFF (AC-FT)	2,027,000		1,579,000		2,312,000	
10 PERCENT EXCEEDS	4,820		3,430		5,930	
50 PERCENT EXCEEDS	2,230		1,660		2,240	
90 PERCENT EXCEEDS	1,280		1,210		1,280	

e Estimated



2005 Water Year
 ROGUE RIVER BASIN

14361500 ROGUE RIVER AT GRANTS PASS, OR

Latitude: 42° 25' 50"

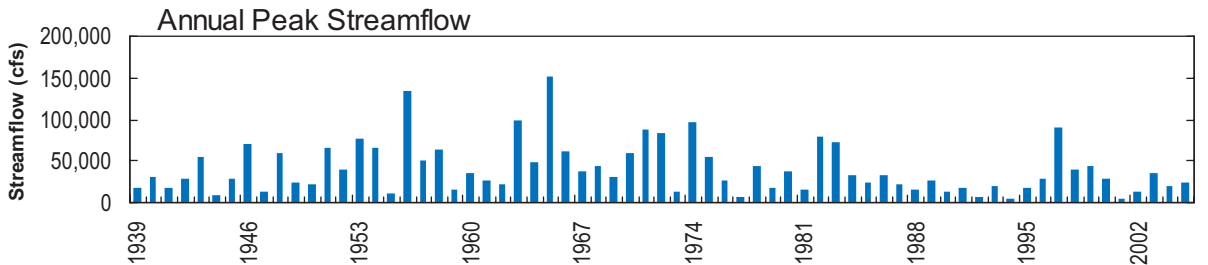
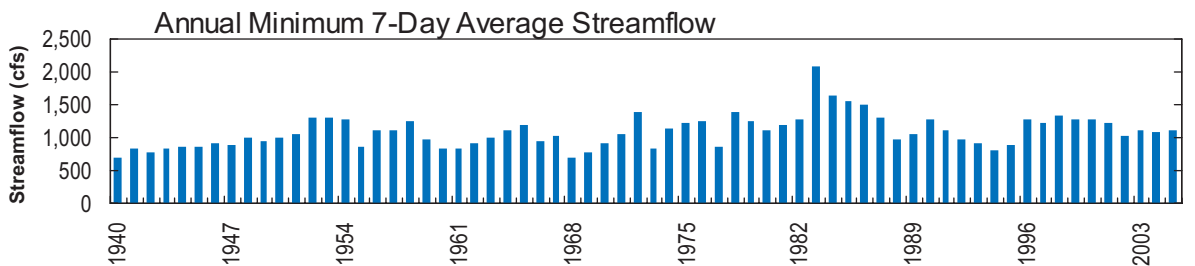
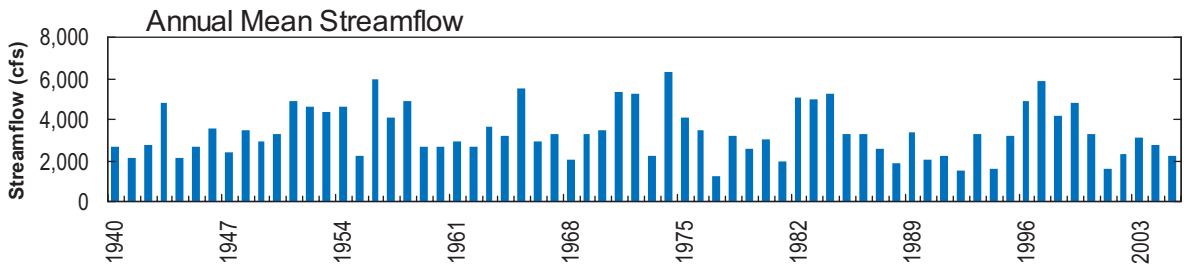
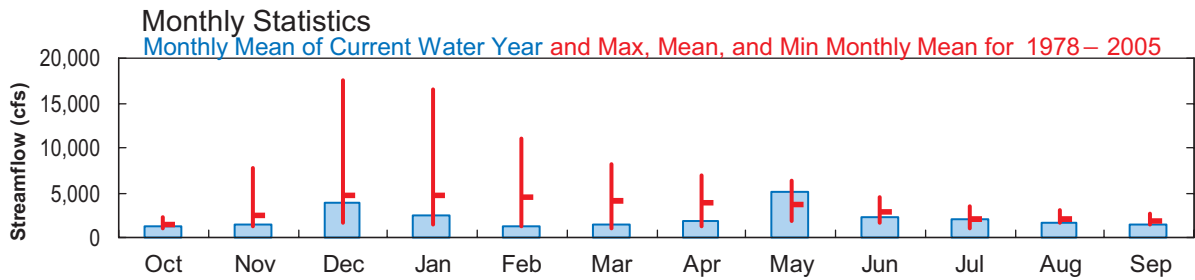
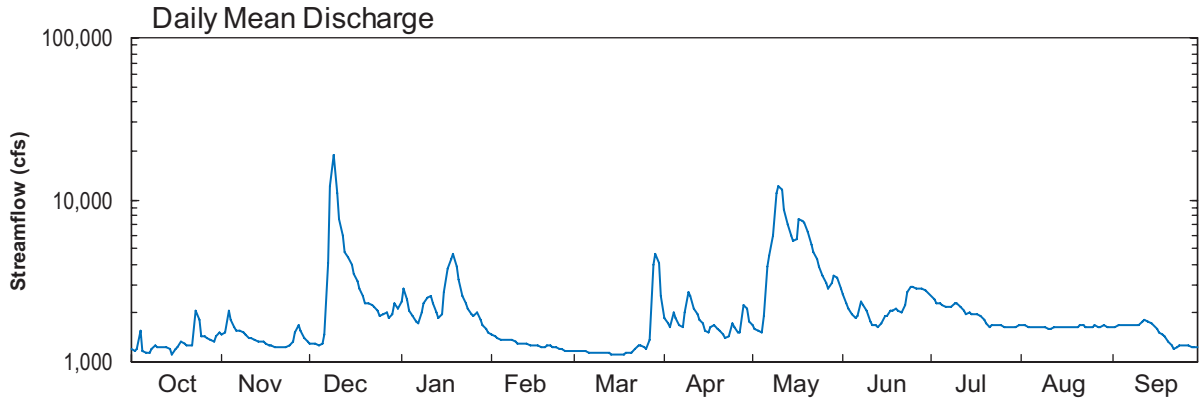
Longitude: 123° 19' 00"

Hydrologic Unit Code: 17100308

Josephine County

Datum: 884.28 feet

Drainage Area: 2459 mi²



ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR

LOCATION.--Lat 42°34'50", long 124°03'30", in NE ¼ NW ¼ sec.6, T.35 S., R.11 W., Curry County, Hydrologic Unit 17100310, on left bank 0.8 mi upstream from Shasta Costa Creek, 1.5 mi north of Agness, 2.6 mi upstream from Illinois River, and at mile 29.7.

DRAINAGE AREA.--3,939 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 113.81 ft above NGVD of 1929 (levels by U.S. Bureau of Public Roads).

REMARKS.--No estimated daily discharges. Records good except those for the period June 1 to Sept. 30, which are fair. Flow regulated since February 1977 by Lost Creek Lake (station 14335040), since December 1980 by Applegate Lake (station 14361900), slight regulation by Fish Lake and Emigrant Lake. Many diversions for irrigation and mining. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--16 years, (water years 1961-76), 6,622 ft³/s, 4,797,000 acre-ft/yr. 29 years (water years 1977-2005), 5,254 ft³/s, 3,806,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 290,000 ft³/s Dec. 23, 1964, from slope-area measurement; maximum gage height, 68.03 ft Dec. 23, 1964, from floodmark (backwater from Illinois River); minimum discharge, 608 ft³/s July 9, 10, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43,200 ft³/s Dec. 9, gage height, 15.18 ft; minimum discharge, 1,320 ft³/s Oct. 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,400	2,210	1,730	4,630	3,700	2,510	6,790	3,780	4,340	3,220	2,080	2,070
2	1,570	2,220	1,670	5,050	3,390	2,380	5,710	3,500	4,110	3,100	2,080	2,070
3	1,450	2,630	1,620	4,720	3,140	2,300	5,360	3,240	3,810	3,020	2,050	2,050
4	1,510	3,140	1,600	4,150	2,980	2,230	6,000	3,100	3,590	2,910	2,040	2,080
5	1,850	2,630	1,600	3,690	2,830	2,160	5,650	3,330	3,420	2,890	2,030	2,150
6	1,420	2,400	1,810	3,350	2,780	2,090	5,070	4,470	3,520	2,810	2,030	2,150
7	1,390	2,290	4,520	3,290	2,750	2,040	4,990	6,350	3,750	2,780	2,000	2,110
8	1,460	2,220	15,800	3,710	2,690	1,990	6,240	6,410	3,860	2,770	2,020	2,110
9	1,710	2,160	37,600	4,810	2,570	1,950	9,390	11,100	3,620	2,770	2,030	2,110
10	1,660	2,110	22,300	5,220	2,490	1,940	8,370	15,500	3,400	2,900	1,990	2,130
11	1,610	2,000	13,200	5,090	2,420	1,930	6,970	15,300	3,010	2,890	1,990	2,230
12	1,560	1,980	9,890	4,650	2,370	1,890	6,260	12,600	2,930	2,700	2,000	2,290
13	1,560	1,920	7,840	4,160	2,350	1,860	5,820	10,300	2,870	2,580	2,010	2,290
14	1,530	1,860	6,730	3,780	2,270	1,840	5,290	8,690	2,740	2,530	2,050	2,240
15	1,490	1,850	6,200	3,670	2,220	1,800	4,840	7,890	2,940	2,550	2,070	2,210
16	1,410	1,820	5,530	4,130	2,170	1,780	4,610	7,800	3,060	2,500	2,070	2,130
17	1,610	1,760	4,930	5,740	2,130	1,800	4,580	8,380	3,240	2,490	2,040	2,050
18	2,020	1,720	4,470	7,860	2,100	1,790	4,600	10,500	3,410	2,490	2,040	1,990
19	2,320	1,680	4,050	9,450	2,070	1,910	4,300	12,200	3,370	2,410	2,060	1,930
20	2,120	1,610	3,720	8,780	2,280	2,840	3,950	11,000	3,360	2,260	2,070	1,840
21	1,870	1,600	3,510	7,590	2,310	3,540	3,730	9,130	3,130	2,150	2,060	1,700
22	1,770	1,590	3,430	6,390	2,250	4,130	3,480	7,930	3,050	2,080	2,090	1,540
23	2,230	1,580	3,360	5,670	2,150	4,560	3,290	7,030	3,240	2,110	2,070	1,490
24	3,300	1,610	3,190	5,320	2,080	4,120	3,360	6,430	3,530	2,090	2,030	1,580
25	2,530	1,720	3,070	5,070	2,040	3,540	3,630	5,790	3,560	2,100	2,080	1,630
26	2,670	1,890	3,280	4,870	1,990	3,200	3,320	5,390	3,540	2,100	2,090	1,630
27	2,480	2,170	3,330	4,740	1,970	4,150	3,100	5,020	3,480	2,070	2,100	1,630
28	2,220	2,280	3,190	4,820	2,400	12,000	3,960	4,840	3,460	2,040	2,050	1,610
29	2,030	2,090	3,040	4,960	---	16,900	4,470	5,280	3,390	2,020	2,070	1,580
30	2,050	1,850	3,660	4,470	---	13,500	3,820	5,110	3,340	2,020	2,080	1,570
31	2,200	---	4,280	4,010	---	8,930	---	4,820	---	2,030	2,080	---
TOTAL	58,000	60,590	194,150	157,840	68,890	119,600	150,950	232,210	102,070	77,380	63,550	58,190
MEAN	1,871	2,020	6,263	5,092	2,460	3,858	5,032	7,491	3,402	2,496	2,050	1,940
MAX	3,300	3,140	37,600	9,450	3,700	16,900	9,390	15,500	4,340	3,220	2,100	2,290
MIN	1,390	1,580	1,600	3,290	1,970	1,780	3,100	3,100	2,740	2,020	1,990	1,490
AC-FT	115,000	120,200	385,100	313,100	136,600	237,200	299,400	460,600	202,500	153,500	126,100	115,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	1,920	4,299	8,963	9,573	9,361	7,571	6,336	5,150	3,453	2,350	2,222	2,058
MAX	3,497	16,650	37,410	33,800	30,280	17,750	15,090	8,905	6,292	3,849	3,370	3,187
(WY)	(1983)	(1985)	(1997)	(1997)	(1983)	(1983)	(1982)	(1996)	(1993)	(1999)	(1984)	(1983)
MIN	1,090	1,386	1,555	1,623	1,550	2,023	1,479	2,124	1,293	935	897	1,346
(WY)	(2002)	(1988)	(1977)	(1977)	(1977)	(2001)	(1977)	(1992)	(1977)	(1977)	(1977)	(1980)

ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	1,707,460		1,343,420			
ANNUAL MEAN	4,665		3,681		5,254	
HIGHEST ANNUAL MEAN					10,180	1997
LOWEST ANNUAL MEAN					1,583	1977
HIGHEST DAILY MEAN	40,600	Feb 18	37,600	Dec 9	194,000	Jan 2, 1997
LOWEST DAILY MEAN	1,290	Sep 26	1,390	Oct 7	773	Aug 4, 1977
ANNUAL SEVEN-DAY MINIMUM	1,380	Sep 25	1,510	Oct 1	817	Aug 12, 1977
ANNUAL RUNOFF (AC-FT)	3,387,000		2,665,000		3,806,000	
10 PERCENT EXCEEDS	9,120		6,400		10,700	
50 PERCENT EXCEEDS	3,490		2,630		3,000	
90 PERCENT EXCEEDS	1,730		1,720		1,590	



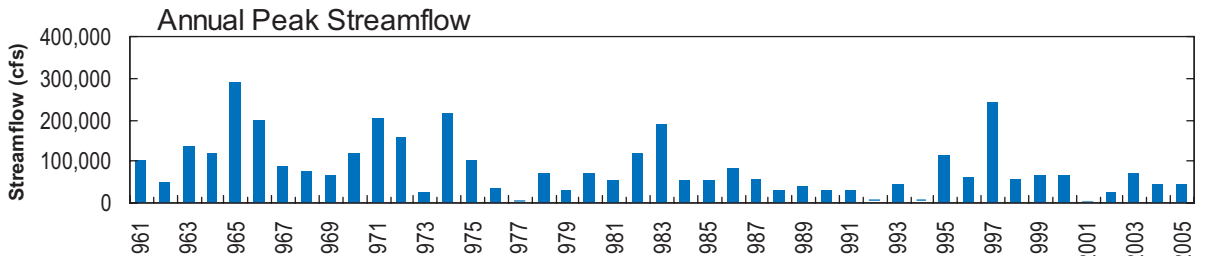
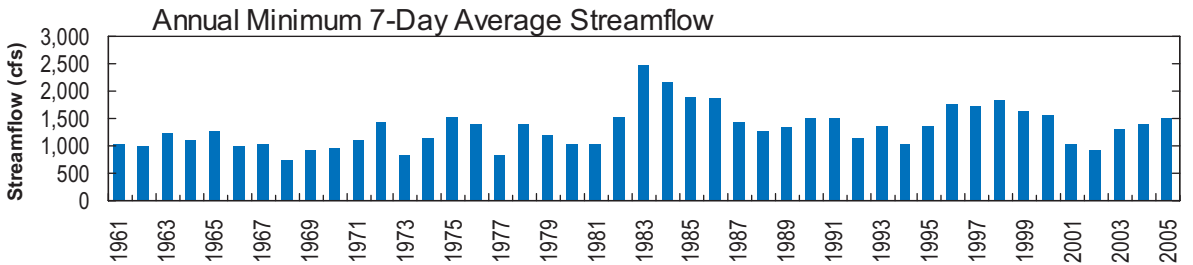
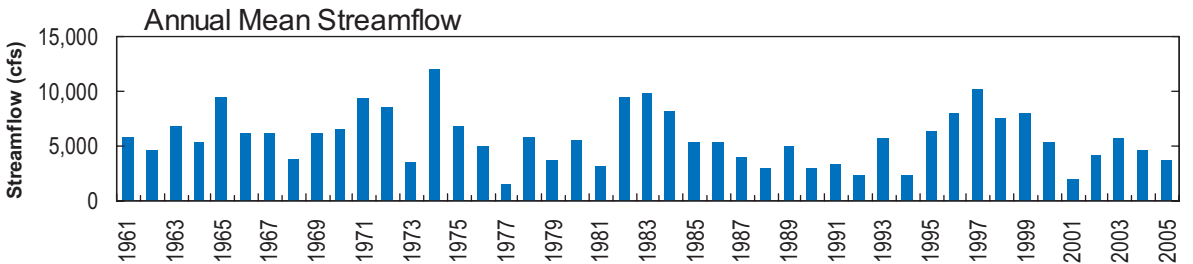
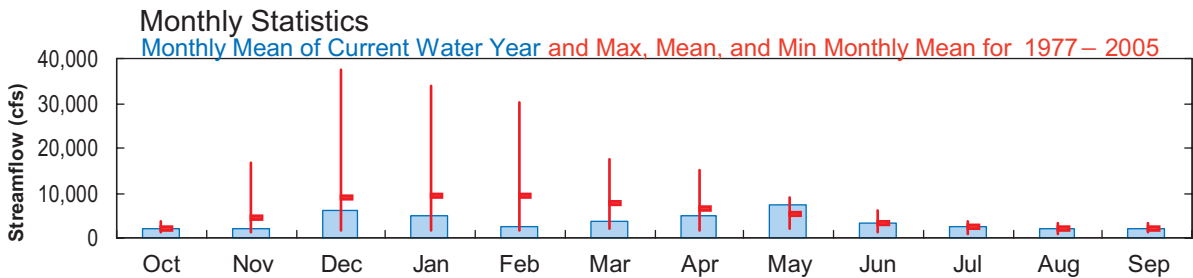
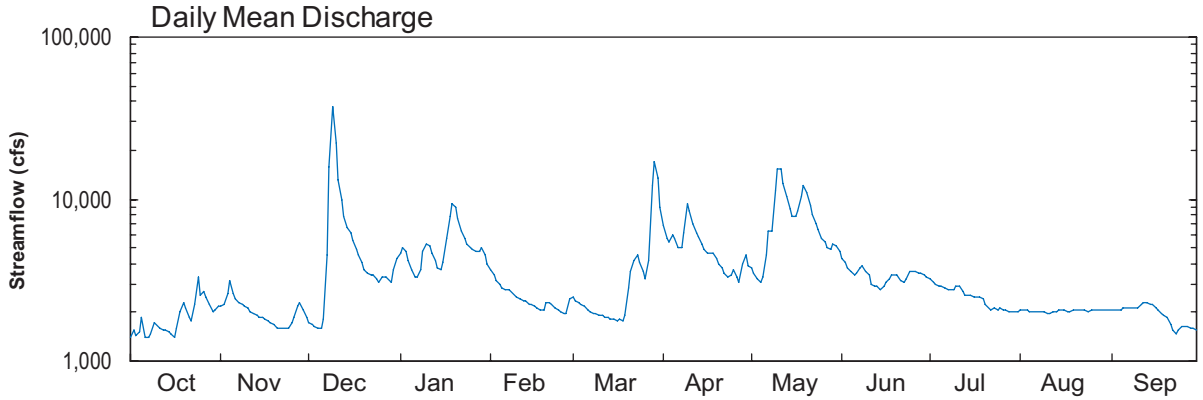
2005 Water Year
ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR

Latitude: 42° 34' 50"
Curry County

Longitude: 124° 03' 30"
Datum: 113.81 feet

Hydrologic Unit Code: 17100310
Drainage Area: 3939 mi²



ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1960 to September 1987, January 1995 to current year.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C on several days in 1962, Aug. 3, 6, 9-11, 1977; minimum, 1.0°C Jan. 22-25, 1962, Dec. 9-16, 1972, Jan. 9, 10, 1977, Jan. 1-3, 1979, Dec. 23, 24, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.8°C July 30; minimum, 3.1°C Jan. 9.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.6	16.3	17.3	10.8	9.8	10.4	7.3	6.4	6.7	7.1	6.0	6.5
2	18.3	16.3	17.2	10.3	9.3	9.9	6.6	5.8	6.3	6.5	5.4	6.1
3	18.3	16.3	17.2	10.0	8.7	9.4	6.1	5.3	5.8	6.1	5.1	5.6
4	18.1	16.3	17.1	9.3	8.4	8.8	6.4	5.3	5.8	6.0	5.0	5.4
5	18.0	16.3	17.1	8.9	7.6	8.4	6.5	5.8	6.1	5.9	4.5	5.2
6	18.1	17.0	17.5	9.1	8.1	8.5	6.1	5.5	5.9	5.7	4.6	5.2
7	18.6	16.7	17.5	8.9	7.8	8.2	6.0	4.7	5.5	5.5	4.2	4.9
8	17.6	16.1	16.9	8.6	7.7	8.1	8.4	5.3	7.3	5.1	3.8	4.4
9	16.9	16.0	16.4	8.7	7.8	8.2	9.4	8.2	8.8	4.5	3.1	3.9
10	16.7	15.1	15.9	9.4	8.1	8.6	9.6	8.8	9.3	5.4	3.9	4.5
11	16.1	14.2	15.4	9.8	8.4	9.0	9.9	9.3	9.6	5.8	4.6	5.2
12	15.6	14.3	15.0	9.8	8.8	9.3	9.6	8.8	9.2	6.2	4.7	5.5
13	15.5	14.4	14.9	10.3	9.2	9.6	9.7	8.9	9.2	5.9	4.5	5.4
14	15.3	14.1	14.7	10.6	9.4	9.9	9.6	8.8	9.2	5.4	4.3	4.9
15	15.7	14.0	14.7	10.2	9.5	9.8	9.6	8.4	9.1	5.4	4.4	4.8
16	15.4	13.9	14.5	10.4	9.4	9.9	8.7	7.7	8.2	5.7	4.6	5.2
17	14.6	13.4	14.1	10.2	9.3	9.7	7.7	6.8	7.4	6.6	5.1	5.9
18	13.9	13.1	13.5	10.2	9.2	9.7	7.4	6.6	7.0	7.2	6.2	6.7
19	13.5	12.4	13.0	9.7	8.6	9.2	7.3	6.4	6.9	7.7	6.4	7.0
20	13.1	11.7	12.4	9.1	7.8	8.5	7.4	6.3	6.8	7.5	6.8	7.1
21	12.8	11.6	12.1	8.2	6.6	7.5	6.8	5.9	6.4	7.6	6.5	7.0
22	12.2	11.5	11.9	7.0	6.3	6.6	6.5	5.5	6.1	7.3	6.4	6.9
23	12.1	11.4	11.7	6.9	6.3	6.6	6.2	5.4	5.9	7.6	6.4	7.1
24	11.9	10.8	11.3	7.0	6.5	6.7	6.3	4.6	5.4	7.6	6.6	7.1
25	11.2	10.4	10.8	7.7	6.9	7.3	5.5	4.7	5.0	7.4	6.5	7.0
26	11.2	10.3	10.8	7.9	7.2	7.5	6.2	4.9	5.4	7.8	6.9	7.3
27	10.7	9.9	10.3	8.4	7.3	7.9	6.3	4.8	5.6	8.1	7.3	7.7
28	11.0	9.8	10.3	8.3	7.1	7.7	6.2	5.1	5.7	8.0	7.3	7.6
29	11.5	9.7	10.4	7.4	6.4	6.9	6.9	5.8	6.3	8.1	7.0	7.6
30	11.6	10.1	10.8	7.0	6.2	6.6	7.0	5.8	6.4	8.1	7.0	7.6
31	11.6	10.1	10.8	---	---	---	7.0	6.0	6.5	7.8	6.7	7.3
MONTH	18.6	9.7	14.0	10.8	6.2	8.5	9.9	4.6	6.9	8.1	3.1	6.1

ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.3	6.1	6.7	10.1	9.2	9.7	10.5	9.3	9.9	16.0	14.9	15.5
2	7.0	5.9	6.5	10.9	9.0	9.9	10.5	9.5	9.9	16.9	14.7	15.8
3	6.9	5.8	6.5	10.8	8.9	9.8	10.0	9.2	9.8	17.0	15.3	16.2
4	7.1	6.2	6.6	11.1	9.1	10.0	10.1	8.9	9.5	17.7	16.4	16.8
5	7.5	6.2	6.8	10.9	9.2	10.1	10.8	8.9	9.8	17.0	16.3	16.6
6	7.1	6.0	6.6	11.2	9.4	10.2	11.6	9.5	10.6	16.6	15.6	16.0
7	7.7	6.0	6.7	11.5	9.6	10.4	11.6	10.9	11.2	15.6	14.4	15.1
8	7.2	5.7	6.4	12.1	10.3	11.0	11.1	9.7	10.4	15.4	14.0	14.6
9	7.5	5.9	6.6	12.9	11.0	11.7	10.3	9.2	9.7	14.5	12.8	13.8
10	7.1	5.5	6.3	13.0	11.2	12.0	10.3	9.1	9.8	12.9	11.6	12.1
11	6.8	5.4	6.1	13.1	11.4	12.2	11.4	9.5	10.4	12.2	11.2	11.7
12	6.8	5.5	6.1	13.5	11.7	12.5	11.3	9.9	10.5	13.3	11.9	12.6
13	7.6	5.7	6.5	13.2	11.7	12.5	10.6	9.5	10	13.9	13.2	13.6
14	7.7	5.8	6.6	13.1	11.4	12.2	10.9	9.1	9.9	14.7	13.7	14.3
15	7.4	5.5	6.4	12.8	11.0	11.9	10.6	9.2	9.9	15.2	14.1	14.7
16	7.5	5.3	6.4	11.8	10.7	11.2	11.2	10.1	10.6	14.6	13.5	14.2
17	7.7	5.9	6.7	11.5	10.8	11.1	11.6	10.4	10.9	13.9	12.7	13.4
18	8.0	5.9	7.0	11.8	10.7	11.2	11.4	10.2	10.8	12.9	11.9	12.4
19	8.5	6.7	7.6	11.3	10.8	11.1	12.0	9.9	11.0	12.5	12.0	12.2
20	9.3	7.5	8.3	11.2	10.3	10.7	12.7	10.7	11.7	12.4	12.0	12.2
21	10.0	8.1	8.9	10.7	9.6	10.1	13.5	11.1	12.2	12.8	12.1	12.4
22	10.4	8.2	9.1	10.4	9.5	9.9	14.5	12.3	13.2	14.2	12.2	13.2
23	10.7	8.4	9.4	10.6	9.7	10.1	14.1	13.3	13.6	15.3	13.2	14.2
24	10.6	8.7	9.5	10.4	9.4	9.8	14.8	13.4	13.9	16.1	13.6	14.6
25	10.4	8.9	9.6	9.9	9.3	9.6	15.1	13.2	14.1	16.9	13.8	15.2
26	11.2	8.9	9.9	10.1	9.3	9.6	15.9	14.0	14.9	18.3	14.8	16.5
27	10.3	9.4	9.9	10.2	9.4	9.7	17.0	14.6	15.5	19.2	16.6	17.8
28	10.4	9.5	10.0	10.0	8.8	9.5	16.9	15.2	15.9	18.7	17.3	17.8
29	---	---	---	9.3	8.6	9.0	15.9	14.6	15.0	17.7	16.1	16.9
30	---	---	---	9.8	8.6	9.2	16.3	14.2	15.2	17.4	15.3	16.4
31	---	---	---	10.2	8.6	9.4	---	---	---	16.9	15.0	16.1
MONTH	11.2	5.3	7.5	13.5	8.6	10.6	17.0	8.9	11.7	19.2	11.2	14.7
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.2	15.5	16.3	21.5	19.7	20.5	24.6	21.7	23.1	21.7	18.9	20.0
2	17.2	15.7	16.5	21.7	19.8	20.6	24.7	21.6	22.9	21.7	18.9	20.2
3	17.5	15.4	16.5	21.9	19.4	20.7	24.4	21.0	22.6	21.9	19.0	20.2
4	17.7	15.8	16.7	22.1	19.8	20.7	25.0	21.2	22.8	21.7	19.0	20.2
5	16.9	16.2	16.6	22.3	20.0	21.0	25.1	21.3	22.9	21.2	18.1	19.5
6	16.6	15.3	16.0	22.6	20.7	21.3	25.2	21.8	23.4	20.5	17.8	19.1
7	15.6	14.8	15.2	22.8	20.8	21.5	25.4	22.1	23.6	20.5	17.7	18.9
8	16.1	14.0	15.0	21.1	20.2	20.7	25.6	22.1	23.6	20.6	18.1	19.2
9	17.1	14.6	15.8	21.0	19.5	20.2	25.3	21.6	23.2	20.2	18.0	18.9
10	17.2	16.3	16.7	19.7	19.1	19.4	24.2	21.2	22.6	19.1	17.8	18.4
11	18.1	16.8	17.3	21.1	18.9	19.8	24.5	20.9	22.4	19.5	17.3	18.3
12	19.2	16.8	17.8	21.9	19.6	20.5	24.1	20.4	22.2	19.1	16.8	17.9
13	19.7	17.6	18.6	22.4	20.1	21.0	24.4	20.7	22.3	18.8	16.8	17.7
14	19.5	17.9	18.7	23.0	20.5	21.5	23.8	20.6	22.1	19.0	16.6	17.6
15	19.7	17.6	18.4	23.3	21.2	22.0	23.8	20.7	22.0	19.1	16.8	17.7
16	18.5	18.0	18.1	23.8	21.4	22.3	24.1	20.4	22.1	18.5	16.8	17.6
17	18.1	16.4	17.4	24.5	22.0	22.9	24.3	20.4	22.2	19.2	16.7	17.7
18	16.5	15.8	16.1	25.0	22.6	23.5	24.0	20.8	22.3	19.0	16.5	17.6
19	16.6	15.4	16.0	25.3	23.0	23.9	24.2	21.0	22.3	18.9	16.3	17.5
20	18.2	15.7	16.7	25.4	23.0	23.9	24.2	20.9	22.1	18.7	16.0	17.3
21	18.5	17.0	17.7	25.0	22.8	23.6	23.9	20.7	22.1	18.6	15.9	17.2
22	20.4	17.9	18.9	25.1	22.0	23.3	23.7	20.9	22.2	17.8	16.1	16.9
23	20.6	18.6	19.4	25.1	21.9	23.2	23.3	20.8	21.9	17.5	16.2	16.8
24	20.6	18.5	19.6	24.9	21.9	23.2	23.0	20.5	21.6	17.6	15.8	16.5
25	20.5	18.7	19.6	24.4	21.3	22.6	23.1	20.2	21.5	16.8	15.2	16.0
26	20.1	18.7	19.3	24.5	21.0	22.6	22.9	19.8	21.2	16.4	14.9	15.6
27	19.0	18.2	18.7	24.4	21.3	22.7	22.8	19.5	21.0	16.4	14.8	15.6
28	19.7	18.0	18.7	24.7	21.4	22.9	22.4	19.3	20.7	16.5	14.9	15.6
29	20.2	17.8	18.9	25.6	21.9	23.4	21.5	19.3	20.3	17.0	15.1	16.0
30	20.9	18.7	19.8	25.8	22.0	23.6	21.5	18.7	20.0	17.3	15.7	16.4
31	---	---	---	25.6	21.9	23.6	21.3	18.7	19.9	---	---	---
MONTH	20.9	14.0	17.6	25.8	18.9	22.0	25.6	18.7	22.1	21.9	14.8	17.8
YEAR	25.8	3.1	13.3									

ROGUE RIVER BASIN

14377100 ILLINOIS RIVER NEAR KERBY, OR

LOCATION.--Lat 42°13'55", long 123°39'45", in SE ¼ SE ¼ sec.29, T.38 S., R.8 W., Josephine County, Hydrologic Unit 17100311, Siskiyou National Forest, on right bank 1.6 mi upstream from Josephine Creek, 2.5 mi northwest of Kerby and at mile 50.3.

DRAINAGE AREA.--380 mi².

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,198.8 ft above NGVD of 1929. Prior to Jan. 28, 1965, water-stage recorder and Jan. 28 to Sept. 30, 1965, nonrecording gage 700 ft downstream at datum 2.99 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation. Diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--44 years (water years 1962-2005), 1,247 ft³/s, 44.60 in/yr, 903,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,200 ft³/s Dec. 22, 1964, gage height, 45.28 ft, from floodmark, site and datum then in use, from rating curve extended above 30,000 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 12 ft³/s Aug. 24, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 8	2230	*19,200	*22.13	No other peak greater than base discharge.			

Minimum discharge, 30 ft³/s, Aug. 18, gage height, 0.43 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	289	169	1,740	1,480	846	2,380	1,300	657	259	45	34
2	41	269	163	1,670	1,290	876	2,030	1,190	614	242	44	34
3	40	479	158	1,340	1,170	813	2,260	1,100	577	232	44	34
4	40	488	155	1,120	1,120	740	2,550	1,090	544	221	42	37
5	45	394	156	950	1,070	679	2,150	1,320	518	210	40	36
6	45	336	292	838	992	627	1,940	1,430	559	200	38	37
7	39	295	3,480	859	974	590	2,100	1,290	607	190	36	40
8	40	265	14,000	1,030	883	568	4,360	1,820	550	174	e35	40
9	51	242	e18,200	1,400	808	555	5,690	2,500	518	176	e34	38
10	66	228	e6,640	1,470	748	542	3,490	2,540	489	182	e34	38
11	58	215	3,140	1,240	699	526	2,820	2,190	455	173	e34	41
12	52	204	2,120	1,040	661	518	2,750	1,830	431	157	e34	42
13	50	196	1,620	906	646	502	2,550	1,580	402	146	e34	42
14	50	188	1,510	815	633	465	2,270	1,410	378	141	35	40
15	51	180	1,310	784	606	432	2,030	1,310	362	134	33	39
16	52	174	1,070	863	575	405	2,030	1,450	356	124	33	38
17	64	167	912	1,390	551	384	2,300	1,520	408	119	32	42
18	142	163	804	2,650	534	369	1,960	2,930	701	112	31	45
19	387	157	729	2,930	541	414	1,680	3,720	814	99	33	43
20	561	153	660	2,640	601	2,210	1,500	2,620	693	90	34	41
21	304	149	601	2,420	654	3,100	1,350	2,100	577	83	35	40
22	221	145	550	2,140	602	2,950	1,300	1,730	510	81	36	39
23	845	142	512	2,060	564	2,290	1,340	1,490	453	76	36	39
24	712	138	477	1,970	539	1,740	1,350	1,290	409	74	e35	40
25	437	146	450	1,910	516	1,370	1,260	1,150	373	72	e35	40
26	1,040	183	622	2,070	501	1,150	1,200	1,050	356	70	e35	39
27	757	191	675	1,990	488	3,150	1,210	963	334	69	e35	39
28	508	189	670	2,080	705	7,060	1,830	921	323	63	e35	35
29	404	178	722	2,900	---	8,040	1,550	850	299	57	e35	35
30	355	173	1,070	2,160	---	4,540	1,330	769	274	53	e35	35
31	326	---	1,380	1,730	---	2,990	---	708	---	49	37	---
TOTAL	7,822	6,716	65,017	51,105	21,151	51,441	64,560	49,161	14,541	4,128	1,114	1,162
MEAN	252	224	2,097	1,649	755	1,659	2,152	1,586	485	133	35.9	38.7
MAX	1,040	488	18,200	2,930	1,480	8,040	5,690	3,720	814	259	45	45
MIN	39	138	155	784	488	369	1,200	708	274	49	31	34
AC-FT	15,510	13,320	129,000	101,400	41,950	102,000	128,100	97,510	28,840	8,190	2,210	2,300
CFSM	0.66	0.59	5.52	4.34	1.99	4.37	5.66	4.17	1.28	0.35	0.09	0.10
IN.	0.77	0.66	6.36	5.00	2.07	5.04	6.32	4.81	1.42	0.40	0.11	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

	209	1,379	2,633	2,906	2,540	2,280	1,598	919	365	98.5	45.9	60.4
MEAN	209	1,379	2,633	2,906	2,540	2,280	1,598	919	365	98.5	45.9	60.4
MAX	1,771	6,344	9,242	7,184	6,686	4,867	4,518	2,439	1,214	280	116	358
(WY)	(1963)	(1974)	(1965)	(1970)	(1986)	(1983)	(1982)	(1963)	(1993)	(1983)	(1976)	(1978)
MIN	25.0	82.4	115	236	358	508	433	315	82.7	36.5	19.0	15.5
(WY)	(1988)	(1988)	(1977)	(1977)	(1977)	(1988)	(1977)	(1992)	(1992)	(1987)	(1992)	(1992)

ROGUE RIVER BASIN

14377100 ILLINOIS RIVER NEAR KERBY, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	380,628		337,918		1,247	
ANNUAL MEAN	1,040		926		2,372	
HIGHEST ANNUAL MEAN					275	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	18,200	Dec 9	18,200	Dec 9	64,000	Dec 22, 1964
LOWEST DAILY MEAN	19	Aug 17	31	Aug 18	13	Aug 22, 1992
ANNUAL SEVEN-DAY MINIMUM	21	Aug 29	33	Aug 13	14	Sep 8, 1992
ANNUAL RUNOFF (AC-FT)	755,000		670,300		903,700	
ANNUAL RUNOFF (CFSM)	2.74		2.44		3.28	
ANNUAL RUNOFF (INCHES)	37.26		33.08		44.60	
10 PERCENT EXCEEDS	2,620		2,170		3,070	
50 PERCENT EXCEEDS	434		512		496	
90 PERCENT EXCEEDS	33		38		38	

e Estimated



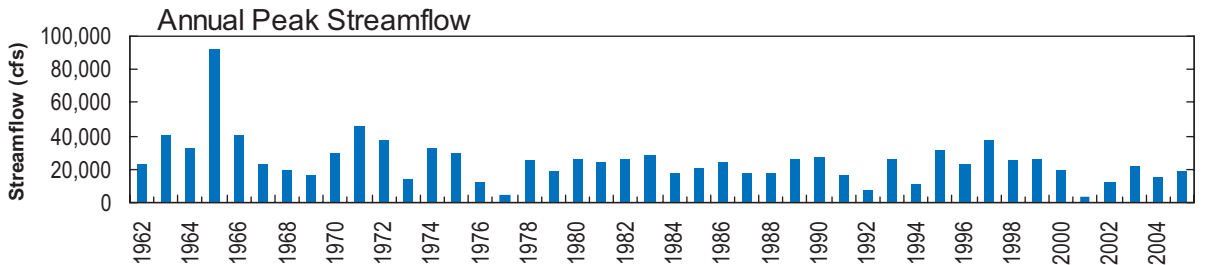
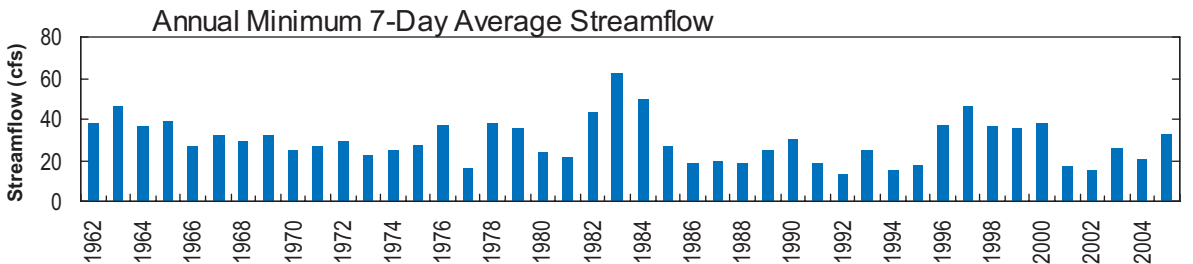
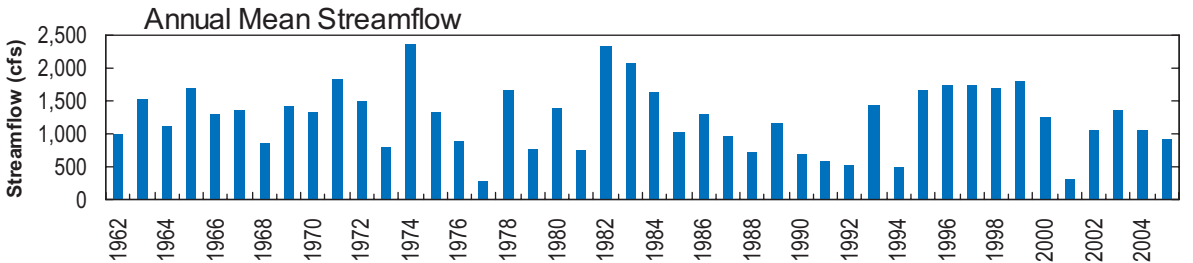
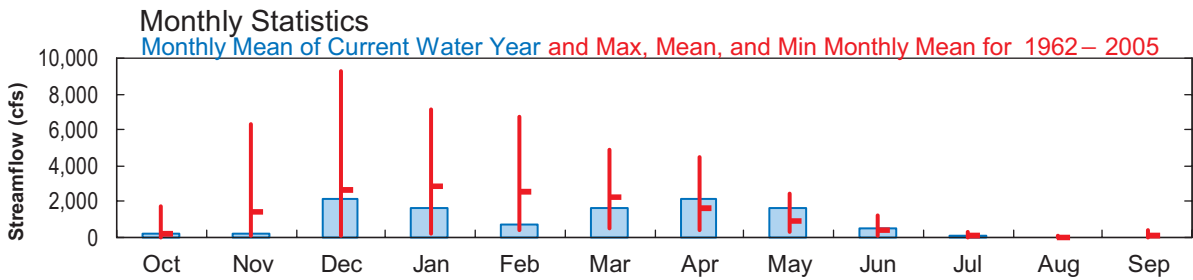
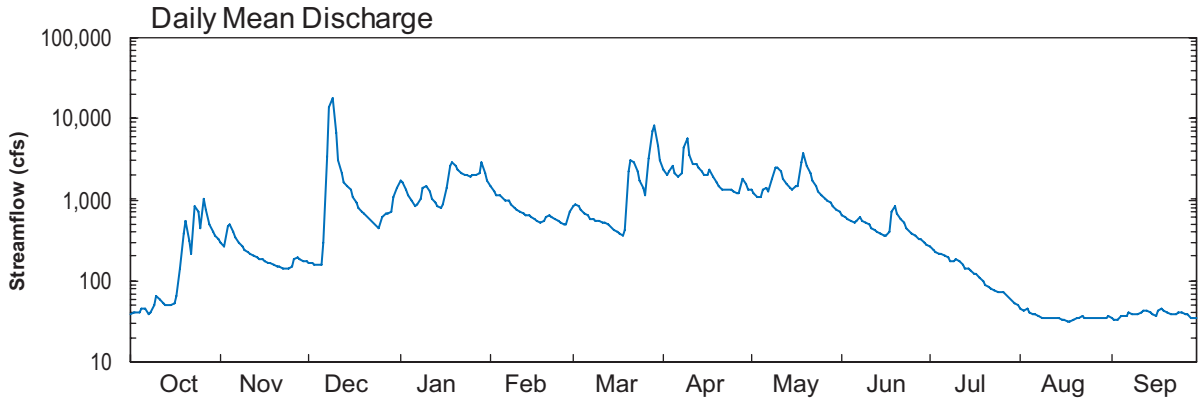
2005 Water Year
 ROGUE RIVER BASIN

14377100 ILLINOIS RIVER NEAR KERBY, OR

Latitude: 42° 13' 55"
 Josephine County

Longitude: 123° 39' 45"
 Datum: 1198.80 feet

Hydrologic Unit Code: 17100311
 Drainage Area: 380 mi²



CHETCO RIVER BASIN

14400000 CHETCO RIVER NEAR BROOKINGS, OR

LOCATION.--Lat 42°07'25", long 124°11'10", in SE ¼ sec.12, T.40 S., R.13 W., Curry County, Hydrologic Unit 17100312, on right bank 16 ft upstream from bridge, 0.5 mi upstream from Elk Creek, 6.8 mi northeast of Brookings

and at mile 10.7.

DRAINAGE AREA.--271 mi².

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 50 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges and those above 10,000 ft³/s, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--36 years (water years 1970-2005), 2,230 ft³/s, 111.79 in/yr, 1,615,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,100 ft³/s Nov. 19, 1996, gage height, 28.56 ft; minimum discharge, 42 ft³/s Oct. 14, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 22, 1964, reached a stage of 32.25 ft, from high-water mark on bridge pier, discharge, 85,400 ft³/s, from rating curve extended above 45,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	0900	*48,200	*20.63	No other peak greater than base discharge.			

Minimum discharge, 85 ft³/s, Oct. 5, 6, gage height, 0.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	690	380	4,710	2,260	2,100	4,490	846	816	587	230	142
2	88	672	370	3,930	1,930	1,830	3,690	789	755	557	226	141
3	88	1,060	359	3,070	1,700	1,650	4,190	740	708	529	220	e141
4	87	929	356	2,520	1,560	1,520	4,430	869	661	504	215	e140
5	86	785	361	2,100	1,430	1,350	3,830	865	642	483	210	e138
6	86	693	1,400	1,850	1,330	1,210	3,390	872	979	467	206	e137
7	87	632	7,660	2,090	1,310	1,090	3,750	856	1,080	453	201	e136
8	118	584	26,100	2,450	1,120	998	6,780	1,820	856	436	198	e135
9	478	550	37,700	3,140	1,010	922	8,830	2,650	769	427	194	135
10	300	527	17,000	3,670	926	851	5,790	3,140	698	423	190	136
11	211	500	9,010	2,990	862	794	4,580	2,800	653	415	186	146
12	171	477	5,960	2,440	815	744	4,080	2,190	608	393	181	144
13	148	463	4,900	2,070	860	695	3,780	1,780	580	376	177	139
14	135	443	6,350	1,800	808	648	3,520	1,510	557	359	174	136
15	126	432	4,890	1,650	753	613	3,170	1,450	537	349	172	135
16	119	439	3,750	1,740	709	585	3,340	1,670	568	337	170	135
17	516	415	2,980	2,580	671	568	4,080	1,840	1,550	327	166	141
18	1,620	403	2,440	4,110	644	549	3,280	7,000	4,090	316	162	144
19	2,870	391	2,040	4,260	632	908	2,740	9,110	3,470	306	162	138
20	2,260	380	1,750	3,760	1,180	4,820	2,380	6,370	2,580	300	160	136
21	1,060	370	1,520	3,250	1,390	6,060	2,090	4,560	1,960	290	159	131
22	759	361	1,350	2,750	1,080	6,490	1,910	3,570	1,580	286	158	130
23	1,610	355	1,210	2,550	943	5,110	1,770	2,800	1,320	282	155	129
24	1,360	348	1,100	2,350	856	3,730	1,590	2,280	1,130	274	152	127
25	986	438	1,030	2,200	800	2,860	1,420	1,890	991	266	150	127
26	2,580	464	1,730	2,290	756	2,540	1,290	1,600	884	258	150	125
27	2,030	434	1,480	2,100	744	7,090	1,190	1,390	807	254	148	124
28	1,380	411	1,390	3,250	1,900	10,500	1,100	1,240	742	250	146	124
29	1,040	395	1,400	4,720	---	15,200	999	1,100	676	244	145	123
30	904	391	2,350	3,380	---	8,610	916	987	627	239	145	123
31	784	---	3,760	2,670	---	5,810	---	894	---	233	144	---
TOTAL	24,176	15,432	154,076	88,440	30,979	98,445	98,395	71,478	33,874	11,220	5,452	4,038
MEAN	780	514	4,970	2,853	1,106	3,176	3,280	2,306	1,129	362	176	135
MAX	2,870	1,060	37,700	4,720	2,260	15,200	8,830	9,110	4,090	587	230	146
MIN	86	348	356	1,650	632	549	916	740	537	233	144	123
AC-FT	47,950	30,610	305,600	175,400	61,450	195,300	195,200	141,800	67,190	22,250	10,810	8,010
CFSM	2.88	1.90	18.3	10.5	4.08	11.7	12.1	8.51	4.17	1.34	0.65	0.50
IN.	3.32	2.12	21.15	12.14	4.25	13.51	13.51	9.81	4.65	1.54	0.75	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	534	3,065	5,182	5,145	4,517	3,753	2,406	1,198	580	196	116	180
MAX	2,540	10,230	13,350	13,150	11,500	7,041	6,956	3,495	2,121	442	310	1,531
(WY)	(1982)	(1974)	(1997)	(1970)	(1986)	(1989)	(1982)	(1996)	(1993)	(1983)	(1983)	(1978)
MIN	48.3	107	121	479	619	859	674	430	221	121	69.1	54.9
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1988)	(1977)	(1973)	(1992)	(2002)	(1987)	(1987)

CHETCO RIVER BASIN

14400000 CHETCO RIVER NEAR BROOKINGS, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	685,283		636,005		2,230	
ANNUAL MEAN	1,872		1,742		3,911	1982
HIGHEST ANNUAL MEAN					549	1977
LOWEST ANNUAL MEAN					57,000	Nov 19, 1996
HIGHEST DAILY MEAN	37,700	Dec 9	37,700	Dec 9	44	Oct 22, 1991
LOWEST DAILY MEAN	83	Sep 9	86	Oct 5	46	Oct 19, 1974
ANNUAL SEVEN-DAY MINIMUM	84	Sep 6	87	Oct 1	1,615,000	
ANNUAL RUNOFF (AC-FT)	1,359,000		1,262,000		8.23	
ANNUAL RUNOFF (CFSM)	6.91		6.43		111.79	
ANNUAL RUNOFF (INCHES)	94.07		87.30		5,910	
10 PERCENT EXCEEDS	5,010		3,990		774	
50 PERCENT EXCEEDS	504		851		83	
90 PERCENT EXCEEDS	94		141			

e Estimated

CHETCO RIVER BASIN

14400000 CHETCO RIVER NEAR BROOKINGS, OR—Continued



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Curry County

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