

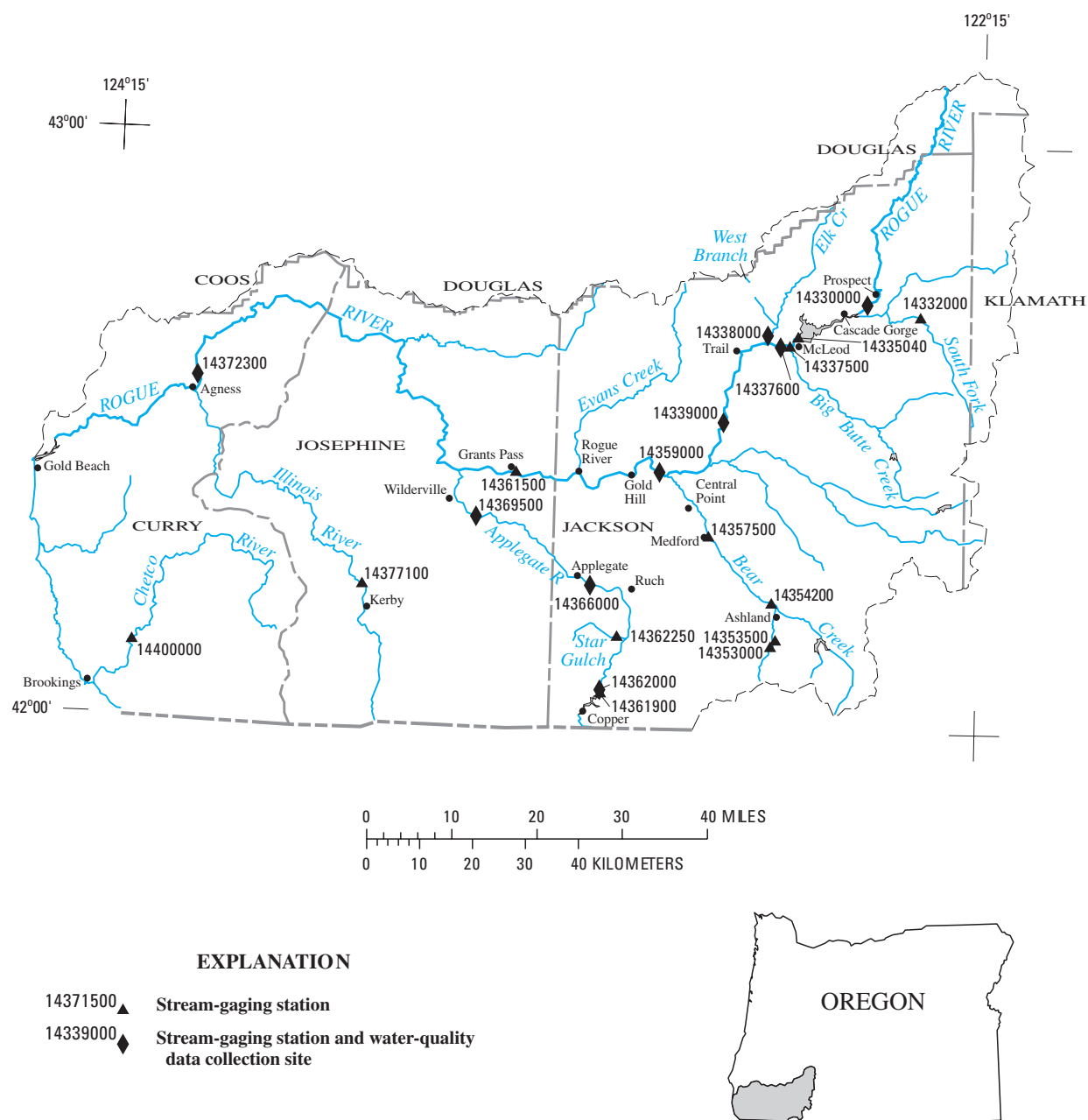


Figure 33. Location of surface-water and water-quality stations in the Rogue and Chetco River Basins.

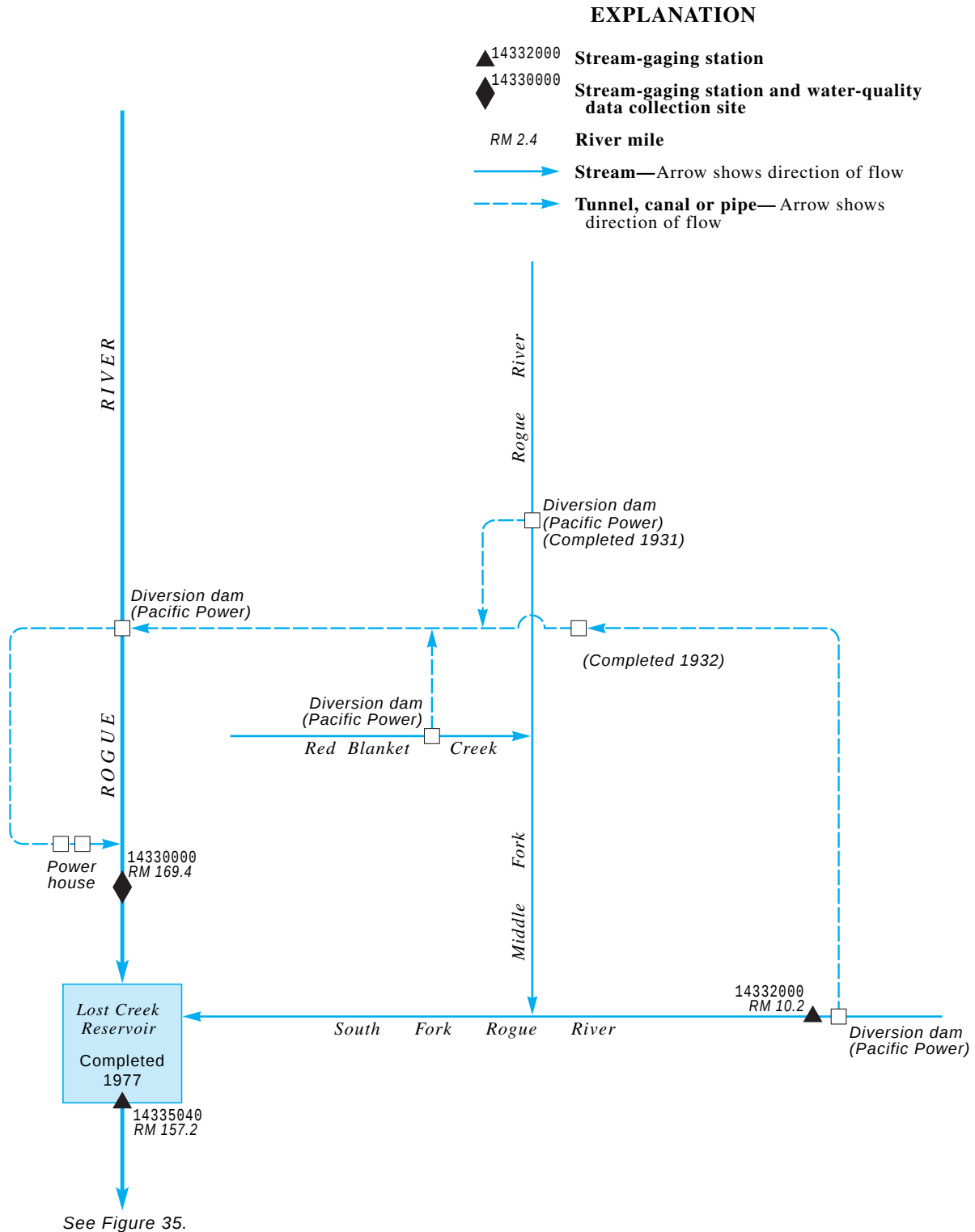


Figure 34. Schematic diagram showing gaging stations in the Rogue River Basin, upstream from Lost Creek Reservoir.

14330000 ROGUE RIVER BELOW PROSPECT, OR

LOCATION.--Lat 42°43'50", long 122°30'55", in SE ¼ NW ¼ sec.6, T.33 S., R.3 E., Jackson County, Hydrologic Unit 17100307, on right bank 600 ft downstream from Prospect No. 1 powerplant, 1.4 mi downstream from Mill Creek, 2.0 mi southwest of Prospect, 2.1 mi upstream from South Fork Rogue River, and at mile 169.4.

DRAINAGE AREA.--379 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1913 to September 1930, October 1968 to current year.

REVISED RECORDS.--WSP 1518: 1914-23, 1924(M), 1925, 1928.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,964.56 ft above NGVD of 1929 (Pacific Power and Light Co. bench mark). Prior to September 1927 nonrecording gage at site 1,000 ft upstream, above powerplants, at different datum, also concurrent nonrecording gage on headrace to obtain equivalent combined flow.

REMARKS.--No estimated daily discharges. Records fair. Fluctuations caused by powerplant 600 ft upstream from station. Small diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--36 years, (water years 1969-2004), 1,453 ft³/s, 1,053,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s Jan. 1, 1997, gage height, 8.15 ft; minimum discharge, 166 ft³/s Sept. 29, 1992, result of regulation by upstream diversion gates.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1890, 12.4 ft Dec. 22, 1964, from floodmarks, discharge, 25,000 ft³/s, from records for station upstream from Prospect (station 14328000) and for station downstream from South Fork Rogue River near Prospect (station 14335000) after adjusting for estimated intervening tributary inflow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,120 ft³/s Feb. 18, gage height 4.56 ft; minimum discharge, 233 ft³/s Oct. 23, result of regulation by upstream diversion gates.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	730	653	884	1,160	1,780	1,610	1,840	2,110	1,790	1,260	926	660
2	730	674	835	1,120	1,760	1,580	1,780	2,190	1,780	1,220	814	659
3	724	675	820	1,080	1,710	1,530	1,770	2,250	1,770	1,200	748	656
4	722	654	839	1,060	1,610	1,520	1,850	2,280	1,760	1,180	727	657
5	719	594	1,120	1,020	1,540	1,540	1,970	2,230	1,750	1,160	726	647
6	714	554	1,750	1,030	1,530	1,560	1,970	2,110	1,690	1,150	720	649
7	719	549	1,440	1,070	1,550	1,560	2,000	2,000	1,710	1,140	716	644
8	719	566	1,200	1,160	1,470	1,670	1,970	2,140	1,670	1,130	706	644
9	724	576	1,090	1,340	1,420	1,890	2,000	2,000	1,630	1,110	705	639
10	731	567	1,030	1,390	1,370	2,000	2,010	1,900	1,690	1,110	694	636
11	731	635	991	1,350	1,350	1,940	2,020	1,970	1,610	1,100	692	635
12	784	609	1,170	1,330	1,350	1,990	2,100	1,870	1,560	1,080	689	638
13	713	565	2,300	1,350	1,340	2,030	2,200	1,830	1,520	1,070	689	650
14	692	551	2,600	1,440	1,320	2,040	2,170	1,810	1,460	1,030	682	671
15	680	585	1,720	1,700	1,370	2,050	2,040	1,820	1,480	1,020	677	663
16	721	663	1,490	1,690	1,540	2,010	1,900	1,810	1,470	1,030	669	674
17	691	799	1,340	1,580	2,610	2,030	1,820	1,800	1,450	1,020	666	647
18	681	678	1,300	1,520	3,410	2,080	1,760	2,030	1,430	1,000	667	690
19	679	651	1,270	1,570	2,550	2,140	1,720	2,050	1,410	1,010	662	690
20	685	680	1,460	1,520	2,170	2,010	1,930	2,000	1,380	1,010	664	694
21	672	612	1,460	1,350	1,900	2,020	2,110	2,060	1,360	991	663	668
22	674	580	1,370	1,240	1,770	2,220	2,010	1,970	1,340	983	724	651
23	676	558	1,300	1,280	1,740	2,360	1,940	1,880	1,330	976	758	645
24	671	582	1,620	1,900	1,710	2,340	1,890	1,830	1,310	969	708	630
25	666	574	1,610	1,790	1,700	2,220	1,890	1,800	1,290	973	714	630
26	664	596	1,420	1,670	1,720	2,140	2,000	1,800	1,260	960	794	623
27	661	561	1,320	1,630	1,670	2,070	2,230	1,840	1,240	952	722	618
28	655	569	1,280	1,690	1,590	1,980	2,300	2,180	1,220	949	692	620
29	663	1,010	1,240	1,900	1,560	1,930	2,160	2,060	1,210	945	678	614
30	665	1,070	1,200	2,230	---	2,070	2,080	1,890	1,240	934	673	615
31	659	---	1,160	1,920	---	1,970	---	1,840	---	934	665	---
TOTAL	21,615	19,190	41,629	45,080	50,110	60,100	59,430	61,350	44,810	32,596	22,030	19,457
MEAN	697	640	1,343	1,454	1,728	1,939	1,981	1,979	1,494	1,051	711	649
MAX	784	1,070	2,600	2,230	3,410	2,360	2,300	2,280	1,790	1,260	926	694
MIN	655	549	820	1,020	1,320	1,520	1,720	1,800	1,210	934	662	614
AC-FT	42,870	38,060	82,570	89,420	99,390	119,200	117,900	121,700	88,880	64,650	43,700	38,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

	934	1,197	1,533	1,683	1,674	1,822	1,897	2,016	1,613	1,173	988	923
MEAN	934	1,197	1,533	1,683	1,674	1,822	1,897	2,016	1,613	1,173	988	923
MAX	1,342	2,100	3,312	3,012	2,728	3,627	2,668	3,282	2,923	1,660	1,356	1,267
(WY)	(1985)	(1974)	(1997)	(1997)	(1996)	(1972)	(1989)	(1971)	(1974)	(1971)	(1984)	(1984)
MIN	606	640	909	946	946	1,045	1,268	933	765	717	623	560
(WY)	(1993)	(2004)	(2003)	(1977)	(1977)	(1977)	(2001)	(1992)	(1992)	(1992)	(2001)	(2001)

14330000 ROGUE RIVER BELOW PROSPECT, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	473,563		477,397		1,453	
ANNUAL MEAN	1,297		1,304		2,053	1974
HIGHEST ANNUAL MEAN					957	2001
LOWEST ANNUAL MEAN					10,500	Jan 1, 1997
HIGHEST DAILY MEAN	3,700	Jan 27	3,410	Feb 18	499	Sep 12, 2001
LOWEST DAILY MEAN	549	Nov 7	549	Nov 7	506	Sep 6, 2001
ANNUAL SEVEN-DAY MINIMUM	574	Nov 22	574	Nov 22	1,053,000	
ANNUAL RUNOFF (AC-FT)	939,300		946,900		2,250	
10 PERCENT EXCEEDS	2,000		2,040		1,290	
50 PERCENT EXCEEDS	1,210		1,280		814	
90 PERCENT EXCEEDS	669		650			



2004 Water Year
ROGUE RIVER BASIN

14330000 ROGUE RIVER BELOW PROSPECT, OR

Latitude: 42° 43 ' 50"

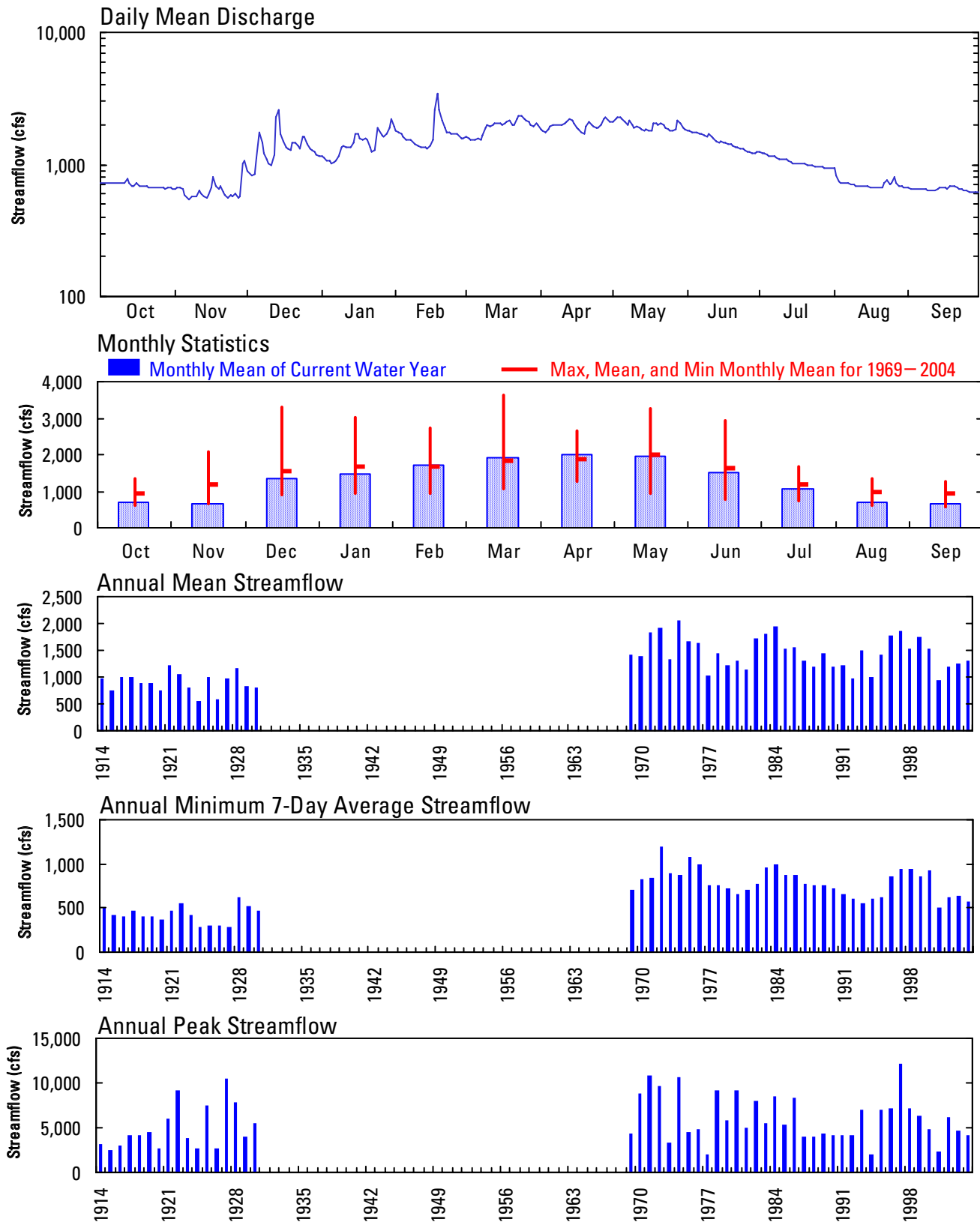
Longitude: 122° 30 ' 55"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1,964.56 feet

Drainage Area: 379 square miles



14330000 ROGUE RIVER BELOW PROSPECT, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1976 to September 1981.

pH: November 1976 to September 1981.

WATER TEMPERATURE: October 1968 to current year.

DISSOLVED OXYGEN: October 1979 to September 1981.

SUSPENDED SEDIMENT DISCHARGE: November 1976 to September 1981 (October to April only, 1980 water year, November to April only, 1981 water year).

INSTRUMENTATION.--Water-quality monitor. Automatic pumping sediment sampler November 1976 to April 1981.

REMARKS.--Records good. During low flows and warm weather, water temperatures may be influenced by return flows from hydroelectric plant 600 ft upstream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 73 microsiemens Sept. 22, 1980; minimum recorded, 28 microsiemens Jan. 13, 1980, may have been lower during period of missing record Jan. 14-17, 1980.

pH: Maximum recorded, 8.3 units Aug. 10, 1981, may have been higher during period of no record in July and August 1981; minimum, 7.0 units Nov. 30, 1976.

WATER TEMPERATURE: Maximum, 20.5°C July 20, 1979 (result of regulation); minimum, 0.0°C at times most years.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L Dec. 8, 1980, Feb. 21, 1981; minimum, 7.2 mg/L June 21, 1980, result of regulation.

SEDIMENT CONCENTRATION: Maximum daily mean (water years 1977-79), 1,270 mg/L (estimated) Jan. 11, 1979; minimum, 0 mg/L on many days each year. Maximum daily mean (period October 1979 to April 1981), 716 mg/L Oct. 25, 1979; minimum daily mean, 0 mg/L on several days in October and December 1979, Nov. 15-21, 28, Dec. 1, 1980, Jan. 19, 1981.

SEDIMENT DISCHARGE: Maximum daily (water years 1977-79), 17,790 tons Dec. 15, 1977; minimum daily, 0 tons on many days each year.

Maximum daily (period October 1979 to April 1981), 5,570 tons Jan. 13, 1980; minimum daily, 0 tons on several days in October and December 1979, Nov. 15-21, 28, Dec. 1, 1980, Jan. 19, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.8°C July 25; minimum, 1.0°C Dec. 29.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.6	8.2	9.0	4.1	3.2	3.7	4.6	4.1	4.3	1.9	1.4	1.7
2	9.7	8.3	9.0	3.6	2.9	3.2	4.7	4.3	4.5	1.6	1.1	1.4
3	9.5	8.5	9.0	4.1	3.0	3.6	5.1	4.6	4.8	2.0	1.4	1.7
4	9.4	8.4	8.9	4.2	3.8	4.0	4.8	4.3	4.6	2.0	1.5	1.8
5	9.8	8.5	9.2	4.2	3.4	3.9	5.1	4.4	4.8	2.5	1.8	2.2
6	9.8	8.5	9.2	4.2	3.3	3.8	5.5	4.8	5.1	2.9	2.3	2.6
7	10.0	9.1	9.5	4.8	3.9	4.4	4.8	3.2	4.3	3.5	2.8	3.2
8	9.5	8.4	8.9	5.2	4.7	5.0	3.6	3.1	3.4	3.6	3.2	3.4
9	8.9	7.9	8.2	5.3	4.7	5.0	4.0	3.5	3.7	3.6	3.2	3.4
10	8.1	7.2	7.7	5.6	5.0	5.3	4.0	3.5	3.7	3.8	3.2	3.5
11	7.4	6.4	6.7	6.0	5.5	5.7	4.3	3.8	4.0	4.0	3.2	3.6
12	7.2	6.4	6.8	5.6	5.0	5.3	4.2	2.7	3.5	3.8	3.3	3.5
13	7.2	5.7	6.5	5.0	4.3	4.6	4.0	2.6	3.2	4.2	3.4	3.8
14	7.4	6.6	7.0	4.6	4.0	4.3	3.3	2.8	3.0	4.4	3.9	4.1
15	7.0	6.3	6.5	5.2	4.4	4.8	3.2	2.7	2.9	4.8	4.1	4.4
16	7.5	6.3	6.9	5.1	4.6	4.9	3.2	2.8	3.1	4.4	3.8	4.1
17	7.9	6.6	7.3	4.6	4.2	4.4	3.8	3.1	3.4	4.0	3.3	3.7
18	7.7	6.6	7.2	5.4	4.5	5.0	3.5	3.0	3.3	4.6	3.8	4.2
19	7.9	7.1	7.5	5.2	4.7	5.0	3.8	3.1	3.4	4.8	4.2	4.5
20	8.3	7.5	7.9	4.8	4.1	4.4	4.5	3.7	4.1	4.2	3.5	3.8
21	8.7	7.5	8.1	4.3	3.5	3.9	4.5	4.0	4.3	3.5	2.9	3.2
22	8.3	7.6	8.0	3.5	2.8	3.1	4.0	3.5	3.8	2.9	2.2	2.7
23	8.5	7.3	7.7	2.8	2.2	2.5	4.4	3.8	4.1	3.8	2.6	3.1
24	7.3	6.2	6.8	2.9	2.2	2.5	4.7	4.2	4.5	4.2	3.7	3.9
25	7.0	6.0	6.5	3.0	2.4	2.6	4.2	3.2	3.8	3.7	3.2	3.5
26	7.5	6.3	7.0	2.5	2.1	2.3	3.2	2.9	3.1	3.6	2.8	3.3
27	7.7	6.8	7.3	2.7	1.9	2.3	3.0	2.4	2.7	2.9	2.3	2.7
28	7.9	6.9	7.5	3.5	2.7	3.1	2.5	1.4	2.2	3.8	2.8	3.3
29	7.6	6.9	7.3	4.0	3.4	3.6	1.6	1.0	1.3	4.4	3.7	4.0
30	6.9	5.5	6.2	4.3	3.3	3.7	2.3	1.5	1.9	4.2	3.5	3.9
31	5.5	4.1	4.7	---	---	---	2.3	1.9	2.1	3.7	3.3	3.5
MONTH	10.0	4.1	7.6	6.0	1.9	4.0	5.5	1.0	3.6	4.8	1.1	3.3

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.9	3.1	3.5	3.7	3.2	3.4	5.4	3.9	4.7	8.4	7.4	7.9
2	4.2	3.7	4.0	5.0	3.6	4.2	6.2	4.3	5.2	8.6	7.5	8.1
3	4.5	3.8	4.1	4.4	3.7	4.0	7.0	5.3	6.1	8.8	7.7	8.4
4	4.6	4.1	4.3	4.6	4.0	4.3	7.3	5.9	6.5	8.7	7.4	8.1
5	4.3	3.6	4.0	4.5	4.2	4.3	6.8	6.3	6.6	8.2	7.3	7.8
6	4.2	3.8	4.0	5.5	4.0	4.7	7.2	6.0	6.5	7.9	6.8	7.3
7	4.0	3.4	3.7	6.0	4.4	5.2	6.9	5.7	6.3	7.3	6.6	6.9
8	3.9	3.2	3.5	6.1	4.5	5.3	7.0	5.8	6.4	7.8	6.6	7.2
9	3.5	2.5	3.0	6.0	4.7	5.3	6.9	5.7	6.4	7.3	6.3	6.8
10	3.6	2.4	3.0	5.7	4.3	5.1	6.9	5.9	6.5	7.4	6.3	6.8
11	4.0	2.7	3.3	5.7	4.2	5.0	7.2	5.8	6.6	7.2	6.2	6.6
12	3.9	2.8	3.3	6.0	4.5	5.2	7.3	6.4	6.9	8.1	5.9	6.9
13	3.6	2.8	3.2	5.8	4.4	5.2	7.2	6.5	7.0	8.9	7.0	7.8
14	4.3	3.4	3.9	6.3	5.0	5.6	6.7	5.6	6.2	9.3	7.8	8.4
15	4.3	3.5	4.0	5.8	4.6	5.3	5.6	4.5	5.1	8.8	7.9	8.3
16	4.7	4.1	4.3	5.9	4.4	5.2	5.6	4.4	4.9	9.0	7.5	8.2
17	4.3	3.8	4.0	6.0	4.5	5.3	6.4	5.0	5.6	8.4	7.7	8.1
18	5.0	3.9	4.4	6.0	4.8	5.4	5.9	5.4	5.6	7.7	7.1	7.4
19	5.4	4.2	4.7	6.0	5.0	5.5	5.5	5.0	5.3	8.6	6.9	7.6
20	4.4	3.6	4.1	5.8	4.2	5.1	5.4	4.7	5.1	8.7	7.8	8.2
21	4.8	4.1	4.4	6.4	5.0	5.7	4.7	4.2	4.5	9.3	7.4	8.2
22	5.3	4.4	4.8	6.4	5.2	5.9	6.4	3.8	5.0	8.7	7.4	8.2
23	5.6	4.8	5.1	6.5	5.6	6.1	6.8	5.7	6.3	8.7	7.1	7.8
24	5.0	4.3	4.7	6.0	5.0	5.3	7.5	5.4	6.4	9.3	7.5	8.2
25	4.6	4.1	4.4	5.3	4.5	4.9	8.3	6.7	7.4	10.3	8.1	9.0
26	4.8	4.2	4.5	4.6	3.8	4.1	8.7	7.3	8.0	10.4	9.2	9.7
27	4.6	4.0	4.3	5.7	4.2	4.9	8.6	7.4	8.1	9.5	8.0	8.9
28	5.0	4.1	4.5	6.0	4.3	5.2	8.2	6.6	7.3	8.3	7.4	7.8
29	4.8	3.6	4.4	6.6	5.0	5.9	7.6	6.1	7.0	7.7	6.9	7.3
30	---	---	---	6.5	5.2	5.8	8.2	6.8	7.5	9.2	7.0	8.0
31	---	---	---	5.5	4.3	4.9	---	---	---	10.2	8.4	9.1
MONTH	5.6	2.4	4.0	6.6	3.2	5.1	8.7	3.8	6.2	10.4	5.9	7.9
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.6	8.8	9.5	14.2	11.3	12.6	15.0	12.3	13.6	12.4	10.8	11.5
2	11.3	9.3	10.1	14.0	11.1	12.5	14.9	12.2	13.6	11.6	9.9	10.4
3	11.8	10.0	10.7	14.5	11.5	12.8	14.0	12.2	13.1	10.4	8.6	9.6
4	11.9	10.3	11.0	14.7	11.6	12.9	13.8	11.5	12.6	10.9	8.8	9.8
5	11.1	9.8	10.7	14.6	11.5	12.9	13.6	12.1	12.9	11.2	9.2	10.1
6	9.9	9.1	9.4	14.7	11.6	13.0	13.1	11.8	12.5	10.8	9.2	10.1
7	9.2	7.8	8.5	14.6	11.7	13.0	13.0	10.7	11.8	10.9	9.2	10.2
8	7.9	7.3	7.6	13.9	11.0	12.4	13.7	11.0	12.1	11.2	9.3	10.2
9	7.3	6.9	7.2	13.7	10.7	12.1	14.3	11.6	12.8	10.8	9.2	10.1
10	9.3	6.9	7.9	13.6	10.7	12.1	14.6	12.3	13.4	10.7	8.9	9.8
11	10.0	8.3	8.9	13.5	10.4	11.9	14.8	12.5	13.7	10.8	9.4	10.1
12	9.6	8.5	9.0	14.2	11.0	12.4	14.7	12.8	13.7	10.8	9.8	10.3
13	11.1	8.8	9.8	14.5	11.4	12.9	15.0	12.9	13.9	10.2	9.4	9.9
14	11.9	9.4	10.4	14.8	11.4	12.9	15.2	12.9	14.1	9.9	8.5	9.3
15	12.4	9.5	10.7	14.8	12.3	13.4	15.3	13.0	14.1	9.8	9.0	9.4
16	12.7	10.1	11.2	14.8	11.7	13.2	14.3	12.4	13.5	10.0	8.7	9.4
17	12.9	10.2	11.3	14.4	12.2	13.3	13.4	11.8	12.7	9.5	8.9	9.1
18	13.3	10.7	11.8	13.8	12.3	13.0	13.3	11.3	12.4	9.0	8.2	8.6
19	13.3	10.8	11.9	13.2	11.5	12.3	13.5	11.6	12.6	8.3	7.2	7.8
20	13.2	10.5	11.7	14.0	10.9	12.3	14.0	11.7	12.8	8.2	7.1	7.7
21	13.5	10.6	11.9	14.6	11.4	12.8	13.1	11.6	12.5	8.2	6.7	7.5
22	14.2	11.2	12.5	15.1	11.8	13.3	12.5	11.4	11.9	8.7	6.9	7.7
23	14.3	11.6	12.8	15.2	12.2	13.6	11.7	10.3	10.8	9.3	7.6	8.4
24	14.6	11.8	13.0	15.5	12.4	13.9	11.4	9.9	10.6	9.6	8.1	8.8
25	14.6	11.8	13.0	15.8	12.9	14.2	11.1	10.2	10.6	9.6	8.2	9.0
26	14.3	11.6	12.8	15.2	12.6	13.9	11.1	9.9	10.5	9.8	8.6	9.2
27	13.8	11.0	12.3	14.8	12.2	13.5	11.2	9.1	10.2	9.7	8.3	9.1
28	14.5	11.3	12.7	14.8	12.0	13.4	12.0	9.8	10.8	9.8	8.5	9.1
29	14.0	12.0	13.0	14.8	11.9	13.3	12.5	10.3	11.4	10.0	8.8	9.3
30	13.8	11.1	12.3	14.6	11.9	13.3	12.8	10.6	11.7	9.8	8.7	9.3
31	---	---	---	14.8	12.0	13.4	12.7	11.1	11.8	---	---	---
MONTH	14.6	6.9	10.9	15.8	10.4	13.0	15.3	9.1	12.4	12.4	6.7	9.4
YEAR	15.8	1.0	7.3									

14332000 SOUTH FORK ROGUE RIVER NEAR PROSPECT, OR

LOCATION.--Lat 42°42'30", long 122°23'30", in SE ¼ SW ¼ sec.7, T.33 S., R.4 E., Jackson County, Hydrologic Unit 17100307, in Rogue River National Forest, on left bank 0.3 mi downstream from South Fork dam and intake of South Fork power canal, 0.31 mi downstream from Innaha Creek, 5.6 mi southeast of Prospect, and at mile 10.2.

DRAINAGE AREA.--83.8 mi². Drainage area at site upstream from Innaha Creek was used October 1931 to September 1949, 61.3 mi²; and Innaha Creek near Prospect, 22.2 mi².

PERIOD OF RECORD.--April 1924 to September 1931, October 1949 to current year. Equivalent records for period October 1931 to September 1949 may be obtained by combining flow of South Fork Rogue River above Innaha Creek, near Prospect and Innaha Creek near Prospect.

REVISED RECORDS.--WSP 1318: 1925(M), 1927(M), 1930(M). WSP 1738: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,300 ft above NGVD of 1929, from topographic map. Prior to Sept. 10, 1965, at site 1,000 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records fair. All records given herein do not include flow in South Fork power canal (completed in March 1932) which diverts 1,500 ft upstream from station and returns water to main stem Rogue River upstream from South Fork Rogue River; practically no storage upstream from diversion dam.

AVERAGE DISCHARGE.--59 years (water years 1925-83), 178 ft³/s, 129,000 acre-ft/yr (includes flow of South Fork power canal). 21 years (water years 1984-2004), 74.5 ft³/s, 53,940 acre-ft/yr (river only).

EXTREMES FOR PERIOD OF RECORD.--River only, maximum discharge, 7,010 ft³/s Dec. 22, 1964, gage height, 11.1 ft, from floodmark, from rating curve extended above 410 ft³/s on basis of measurement of flow over dam of 3,180 ft³/s; no flow Jan. 31, 1950, Sept. 29, 30, 1967 (entire flow diverted to canal).

Combined flow, maximum discharge, 7,010 ft³/s Dec. 22, 1964 (no flow in canal); minimum daily, about 38 ft³/s Aug. 1-31, 1931.

EXTREMES FOR CURRENT YEAR.--River only, maximum discharge, 435 ft³/s May 18, gage height, 3.51 ft; minimum discharge, 10.0 ft³/s Aug. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	45	72	13	180	41	90	158	129	16	15	16
2	13	47	67	13	122	38	77	189	125	15	14	19
3	13	47	64	12	51	34	78	264	126	16	12	19
4	13	47	65	12	39	34	92	258	124	15	12	18
5	13	48	72	12	31	38	106	199	120	15	12	18
6	13	48	121	13	29	45	112	172	102	15	12	17
7	13	48	102	13	26	43	119	141	104	15	15	17
8	13	49	76	13	20	47	110	156	101	15	14	16
9	13	49	61	13	17	57	120	131	90	15	15	16
10	13	49	58	13	16	63	121	125	108	15	14	16
11	13	55	42	13	16	64	126	134	85	15	14	16
12	13	52	26	12	16	70	139	113	70	15	15	16
13	25	49	91	13	16	74	156	94	59	15	15	17
14	34	48	63	14	15	76	136	90	65	20	15	16
15	35	50	18	14	16	80	117	94	46	15	14	16
16	35	60	14	14	24	81	99	90	40	15	14	17
17	34	71	14	13	109	86	82	108	34	15	14	17
18	34	55	14	13	165	91	72	298	30	15	14	24
19	34	54	14	14	139	104	69	308	27	15	13	19
20	34	54	15	13	116	95	87	204	22	15	14	19
21	34	51	13	13	100	104	117	170	19	15	15	16
22	36	49	13	13	82	128	101	161	17	15	20	15
23	40	48	14	14	70	155	103	142	17	15	17	16
24	39	49	14	22	63	168	86	126	16	15	19	16
25	41	49	13	19	58	144	89	121	16	14	20	16
26	43	49	12	18	53	122	110	123	16	15	19	15
27	43	48	13	23	47	127	153	150	16	15	17	15
28	43	49	13	34	39	112	218	317	16	15	17	15
29	45	89	13	74	35	104	151	248	16	15	16	15
30	45	85	17	204	---	124	143	161	16	15	15	16
31	45	---	13	190	---	107	---	138	---	15	15	---
TOTAL	875	1,591	1,217	884	1,710	2,656	3,379	5,183	1,772	471	467	504
MEAN	28.2	53.0	39.3	28.5	59.0	85.7	113	167	59.1	15.2	15.1	16.8
MAX	45	89	121	204	180	168	218	317	129	20	20	24
MIN	13	45	12	12	15	34	69	90	16	14	12	15
AC-FT	1,740	3,160	2,410	1,750	3,390	5,270	6,700	10,280	3,510	934	926	1,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	23.2	40.4	83.7	88.0	87.7	101	140	164	97.0	25.6	18.4	25.3
MAX	116	161	526	435	323	238	345	347	301	155	121	115
(WY)	(1998)	(1997)	(1997)	(1997)	(1996)	(1993)	(1989)	(1997)	(1984)	(1997)	(1997)	(1997)
MIN	1.85	5.38	3.80	2.87	3.42	9.91	19.9	12.8	5.23	5.30	4.11	1.16
(WY)	(1984)	(1986)	(1987)	(1985)	(1985)	(1985)	(1988)	(1992)	(1987)	(1988)	(1986)	(1984)

14332000 SOUTH FORK ROGUE RIVER NEAR PROSPECT, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	18,961		20,709			
ANNUAL MEAN	51.9		56.6		74.5	
HIGHEST ANNUAL MEAN					224	1997
LOWEST ANNUAL MEAN					17.6	1987
HIGHEST DAILY MEAN	709	Mar 26	317	May 28	2,670	Jan 1, 1997
LOWEST DAILY MEAN	12	Jan 8	12	Dec 26	0.22	Oct 7, 1984
ANNUAL SEVEN-DAY MINIMUM	12	Jul 4	13	Dec 31	0.23	Oct 2, 1984
ANNUAL RUNOFF (AC-FT)	37,610		41,080		53,940	
10 PERCENT EXCEEDS	126		130		200	
50 PERCENT EXCEEDS	17		34		18	
90 PERCENT EXCEEDS	12		13		4.8	



2004 Water Year
ROGUE RIVER BASIN

14332000 SOUTH FORK ROGUE RIVER NEAR PROSPECT, OR

Latitude: 42° 42 ' 30"

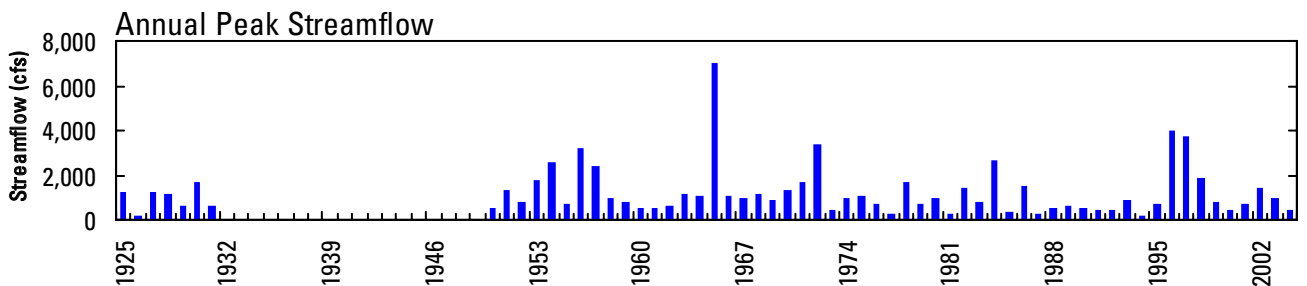
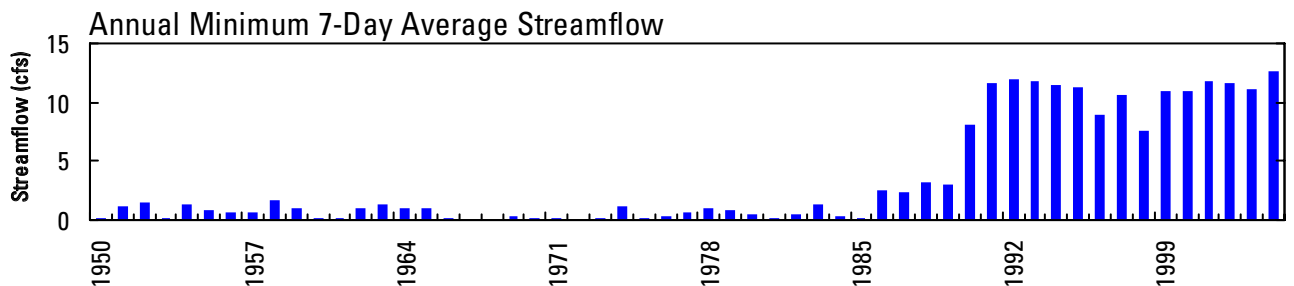
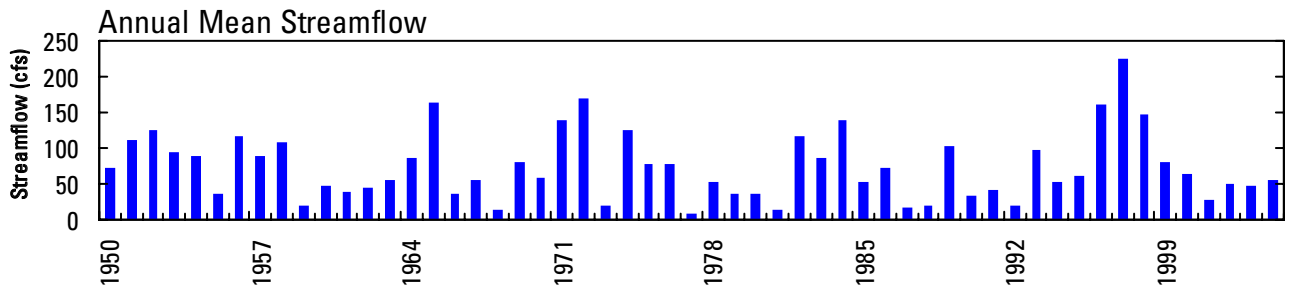
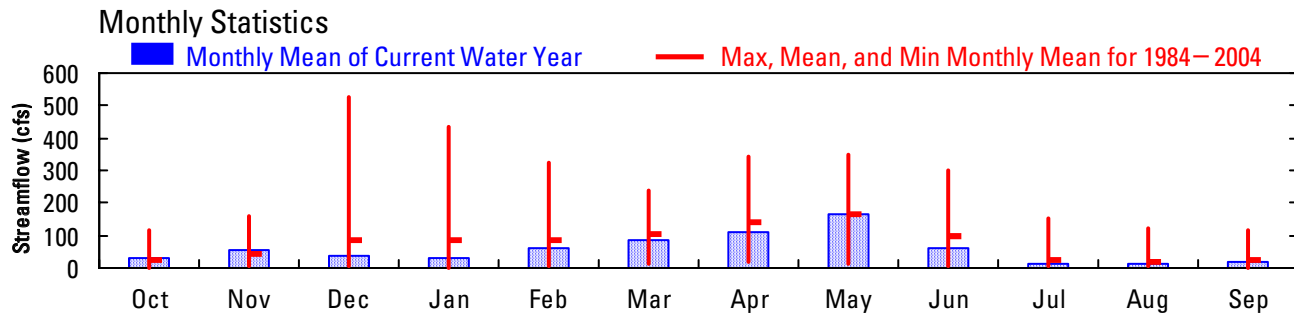
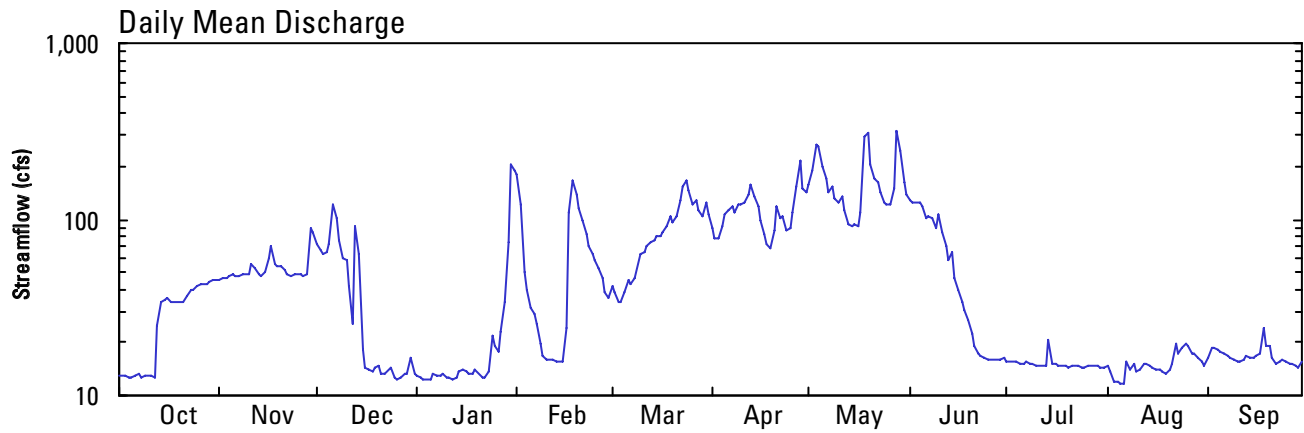
Longitude: 122° 23 ' 30"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 3,300.00 feet

Drainage Area: 83.8 square miles



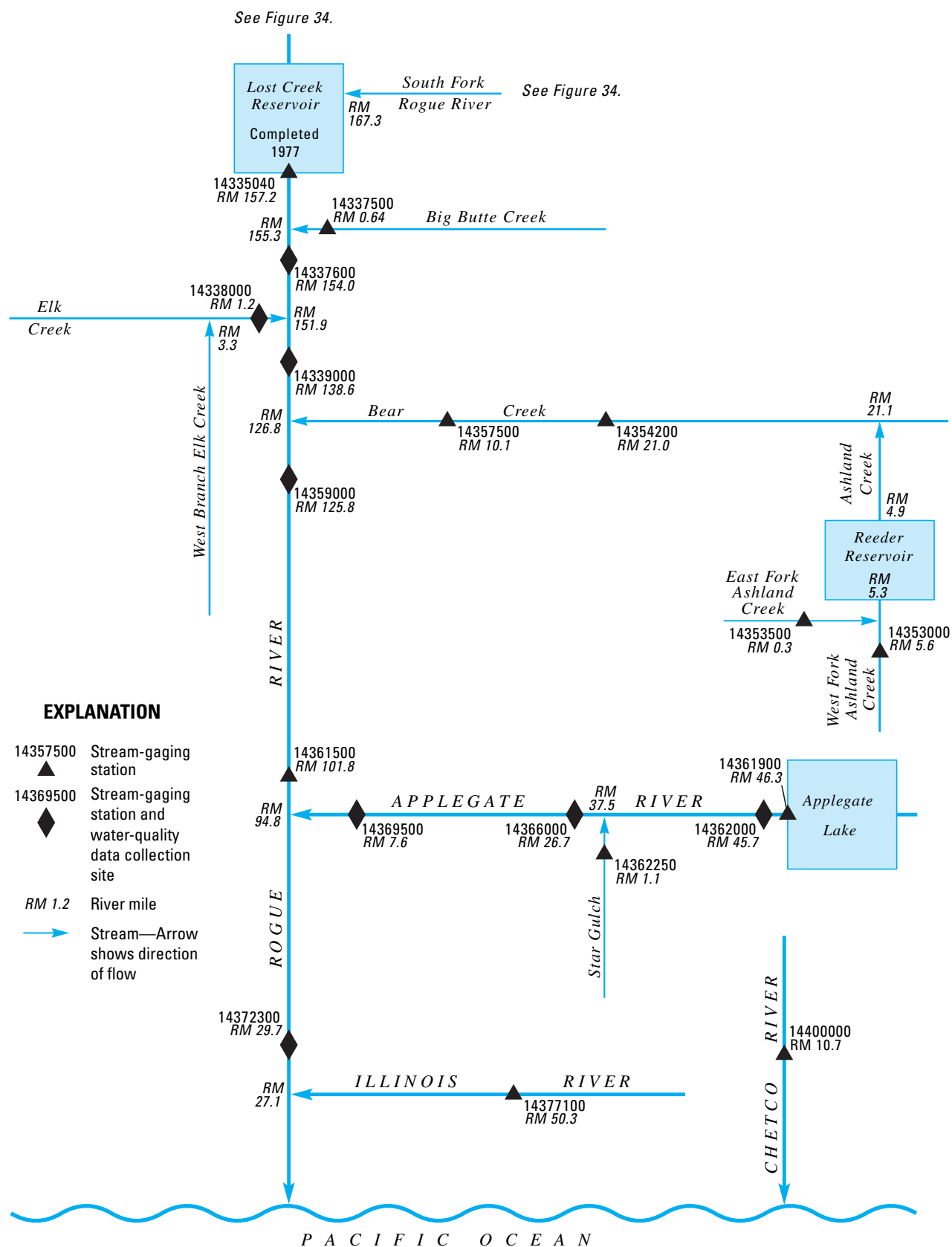


Figure 35. Schematic diagram of surface-water and water-quality stations in the Rogue River Basin, downstream from Lost Creek Reservoir.

14335040 LOST CREEK LAKE NEAR MCLEOD, OR

LOCATION.--Lat 42°40'16", long 122°40'25", in SW ¼ sec.26, T.33 S., R. 1 E., Jackson County, Hydrologic Unit 17100307, in outlet structure of Lost Creek Dam on Rogue River, 1.0 mi northeast of McLeod and at mile 157.2.

DRAINAGE AREA.--686 mi².

PERIOD OF RECORD.--February 1977 to current year.

REVISED RECORDS.--WDR OR-85-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers). Prior to Nov. 28, 1977, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earthfill dam completed in October 1976. Storage began in February 1977. Total capacity, 465,000 acre-ft between elevations 1,551.0 ft and 1,872.0 ft, maximum pool elevation. Elevation of gated spillway crest, 1,823.0 ft. Usable storage, 315,000 acre-ft between elevation 1,751.0 ft and 1,872.0 ft. Water is used for flood control, recreation, power generation, pollution abatement, domestic use and other purposes.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 466,500 acre-ft May 22, 2000, elevation, 1,872.43 ft; minimum contents since first filling, 100,800 acre-ft Oct. 29, 1977, elevation, 1,720.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 465,300 acre-ft May 28, elevation, 1,872.10 ft; minimum contents, 276,700 acre-ft Nov. 9-11, elevation, 1,808.79 ft.

Capacity Table (elevation, in feet and contents, in acre-feet)

1,720	100,100	1,850	393,100
1,750	148,200	1,872	465,000
1,800	254,600	1,899	562,900

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,811.24	1,809.08	1,810.76	1,812.41	1,825.75	1,846.65	1,858.97	1,871.99	1,871.43	1,854.15	1,842.25	1,824.91
2	1,811.16	1,809.08	1,810.98	1,812.50	1,825.92	1,846.94	1,859.01	1,872.01	1,871.29	1,853.57	1,841.80	1,824.17
3	1,811.09	1,809.04	1,811.19	1,812.56	1,826.45	1,847.17	1,859.04	1,872.02	1,871.05	1,853.01	1,841.33	1,823.44
4	1,811.02	1,808.84	1,811.42	1,812.72	1,827.13	1,847.40	1,859.14	1,872.01	1,870.81	1,852.52	1,840.81	1,822.71
5	1,810.94	1,808.84	1,811.79	1,812.83	1,827.75	1,847.67	1,859.34	1,871.95	1,870.56	1,852.08	1,840.30	1,821.97
6	1,810.86	1,808.82	1,812.63	1,812.99	1,828.37	1,847.94	1,859.62	1,871.92	1,870.24	1,851.72	1,839.77	1,821.22
7	1,810.80	1,808.80	1,813.07	1,813.18	1,829.01	1,848.18	1,860.00	1,871.97	1,869.95	1,851.40	1,839.25	1,820.47
8	1,810.71	1,808.80	1,813.11	1,813.51	1,829.53	1,848.46	1,860.37	1,871.96	1,869.60	1,851.12	1,838.73	1,819.72
9	1,810.64	1,808.79	1,812.87	1,814.02	1,829.99	1,848.91	1,860.81	1,871.91	1,869.20	1,850.83	1,838.20	1,818.95
10	1,810.56	1,808.79	1,812.54	1,814.56	1,830.39	1,849.46	1,861.29	1,871.90	1,868.88	1,850.53	1,837.66	1,818.19
11	1,810.50	1,808.85	1,812.19	1,815.03	1,830.82	1,849.95	1,861.79	1,871.97	1,868.47	1,850.23	1,837.12	1,817.43
12	1,810.46	1,808.87	1,812.28	1,815.49	1,831.27	1,850.48	1,862.34	1,871.96	1,868.01	1,849.93	1,836.57	1,816.65
13	1,810.36	1,808.83	1,813.83	1,815.93	1,831.76	1,851.03	1,862.89	1,871.91	1,867.51	1,849.61	1,836.02	1,815.91
14	1,810.27	1,808.81	1,814.82	1,816.51	1,832.25	1,851.57	1,863.48	1,871.91	1,866.99	1,849.28	1,835.46	1,815.23
15	1,810.19	1,808.86	1,814.51	1,817.31	1,832.77	1,852.12	1,864.08	1,871.95	1,866.39	1,848.94	1,834.91	1,814.63
16	1,810.14	1,809.00	1,813.89	1,818.07	1,833.57	1,852.61	1,864.54	1,871.93	1,865.71	1,848.59	1,834.34	1,814.10
17	1,810.08	1,809.22	1,813.16	1,818.70	1,835.99	1,853.11	1,864.91	1,871.97	1,865.02	1,848.24	1,833.76	1,813.61
18	1,810.00	1,809.31	1,812.46	1,819.28	1,838.71	1,853.62	1,865.23	1,871.96	1,864.31	1,847.88	1,833.20	1,813.23
19	1,809.93	1,809.42	1,812.18	1,819.95	1,840.43	1,854.17	1,865.53	1,871.93	1,863.58	1,847.52	1,832.62	1,812.91
20	1,809.88	1,809.51	1,812.17	1,820.64	1,841.69	1,854.63	1,866.06	1,871.89	1,862.83	1,847.18	1,832.05	1,812.68
21	1,809.82	1,809.53	1,812.11	1,821.15	1,842.69	1,855.09	1,866.78	1,871.91	1,862.06	1,846.80	1,831.47	1,812.50
22	1,809.75	1,809.52	1,812.04	1,821.54	1,843.51	1,855.71	1,867.34	1,871.91	1,861.25	1,846.42	1,831.05	1,812.39
23	1,809.69	1,809.49	1,812.00	1,822.06	1,844.14	1,856.42	1,867.85	1,871.88	1,860.43	1,846.03	1,830.57	1,812.36
24	1,809.62	1,809.49	1,812.27	1,823.12	1,844.56	1,857.05	1,868.29	1,871.89	1,859.60	1,845.63	1,830.04	1,812.32
25	1,809.55	1,809.50	1,812.46	1,823.91	1,844.96	1,857.44	1,868.73	1,871.92	1,858.73	1,845.22	1,829.52	1,812.27
26	1,809.48	1,809.52	1,812.37	1,824.30	1,845.36	1,857.77	1,869.24	1,871.94	1,857.85	1,844.81	1,829.06	1,812.21
27	1,809.42	1,809.51	1,812.22	1,824.24	1,845.69	1,858.04	1,869.93	1,871.98	1,857.01	1,844.39	1,828.40	1,812.17
28	1,809.35	1,809.49	1,812.23	1,824.31	1,845.94	1,858.21	1,870.72	1,872.08	1,856.21	1,843.97	1,827.73	1,812.13
29	1,809.29	1,810.01	1,812.16	1,824.55	1,846.23	1,858.35	1,871.26	1,871.91	1,855.47	1,843.54	1,827.04	1,812.09
30	1,809.22	1,810.48	1,812.01	1,825.27	---	1,858.63	1,871.67	1,871.66	1,854.79	1,843.12	1,826.35	1,812.04
31	1,809.15	---	1,812.12	1,825.60	---	1,858.85	---	1,871.51	---	1,842.68	1,825.63	---
MAX	1,811.24	1,810.48	1,814.82	1,825.60	1,846.23	1,858.85	1,871.67	1,872.08	1,871.43	1,854.15	1,842.25	1,824.91
MIN	1,809.15	1,808.79	1,810.76	1,812.41	1,825.75	1,846.65	1,858.97	1,871.51	1,854.79	1,842.68	1,825.63	1,812.04
(†)	277,600	281,100	285,300	321,500	381,500	421,200	463,900	463,300	408,100	370,700	321,600	285,100
(‡)	-5,600	+3,500	+4,200	+36,200	+60,000	+39,700	+42,700	-600	-55,200	-37,400	-49,100	-36,500

CAL YR 2003 MAX --- MIN --- AC-FT† -500
WTR YR 2004 MAX 1,872.08 MIN 1808.79 AC-FT‡ +1900

† Contents, in acre-feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

14337500 BIG BUTTE CREEK NEAR MCLEOD, OR

LOCATION.--Lat 42°39'05", long 122°41'25", in NE ¼ NW ¼ sec.3, T.34 S., R.1 E., Jackson County, Hydrologic Unit 17100307, on right bank 225 ft upstream from county road bridge, 0.9 mi south of McLeod, and at mile 0.64.

DRAINAGE AREA.--245 mi².

PERIOD OF RECORD.--October 1945 to September 1957. October 1967 to current year.

REVISED RECORDS.--WSP 1738: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,525.95 ft above NGVD of 1929. Oct. 9, 1945, to Sept. 30, 1957, nonrecording gage at site 260 ft downstream at datum 0.53 ft higher.

REMARKS.--Records good. Slight regulation by fish hatchery 600 ft upstream from station. Several diversions in the vicinity of Butte Falls, the two largest being the city of Medford diversion and Eagle Point Irrigation District Canal. Continuous water-quality data records for the period October 1973 to September 2000 have been collected at this location.

AVERAGE DISCHARGE.--49 years (water years 1946-57, 1968-2004), 250 ft³/s, 181,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,950 ft³/s Dec. 22, 1955, gage height, 12.75 ft, site and datum then in use, from rating curve extended above 3,300 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 6.4 ft³/s June 23, 24, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 22, 1964, reached a stage of 18.6 ft, present site, from floodmark by local resident, discharge, 16,800 ft³/s, from rating curve, at former site, extended above 9,000 ft³/s and field estimate of overflow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 17	0530	*1,910	*6.65				
						No other peak greater than base discharge.	

Minimum discharge, 35 ft³/s, Aug. 19-21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	104	82	492	487	610	151	97	106	52	43	36
2	104	110	71	356	472	494	137	94	99	50	44	37
3	102	112	65	265	456	427	128	91	94	49	45	37
4	102	98	63	225	413	427	124	88	89	49	38	38
5	102	65	68	203	335	482	122	84	85	49	37	39
6	103	62	270	255	285	476	115	81	90	48	38	40
7	104	59	197	303	310	428	104	85	91	48	39	38
8	104	60	179	357	257	396	100	97	97	47	39	38
9	103	59	109	374	224	366	96	87	92	47	39	40
10	104	59	95	353	202	344	92	90	89	50	44	40
11	105	61	84	310	187	324	90	106	82	51	43	40
12	107	59	305	281	175	302	90	101	79	51	39	40
13	105	52	727	257	163	281	91	89	77	50	39	41
14	104	53	834	255	154	259	91	81	74	48	38	e41
15	105	62	399	330	165	238	112	77	71	48	37	e42
16	105	73	221	301	265	222	105	80	69	48	37	43
17	104	78	179	262	1,480	212	115	83	64	48	37	44
18	103	66	161	232	1,070	202	115	262	60	48	37	51
19	104	67	145	234	754	188	114	300	57	49	36	53
20	104	77	208	243	577	178	156	234	51	49	36	53
21	104	60	195	203	492	170	261	209	50	48	36	50
22	104	56	158	179	428	167	265	179	48	47	46	49
23	104	54	138	204	403	166	210	165	46	46	53	48
24	104	54	220	439	373	171	180	145	44	45	49	49
25	103	56	229	377	383	182	157	126	43	46	42	47
26	102	61	177	356	377	201	139	113	43	47	44	48
27	102	58	147	408	338	201	126	114	43	46	43	48
28	102	55	191	484	346	173	118	166	46	44	44	46
29	104	102	667	522	334	153	112	166	42	45	39	47
30	105	106	346	673	---	179	104	133	46	45	39	47
31	104	---	262	555	---	179	---	116	---	45	37	---
TOTAL	3,215	2,098	7,192	10,288	11,905	8,798	3,920	3,939	2,067	1,483	1,257	1,310
MEAN	104	69.9	232	332	411	284	131	127	68.9	47.8	40.5	43.7
MAX	107	112	834	673	1,480	610	265	300	106	52	53	53
MIN	102	52	63	179	154	153	90	77	42	44	36	36
AC-FT	6,380	4,160	14,270	20,410	23,610	17,450	7,780	7,810	4,100	2,940	2,490	2,600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	121	180	382	465	463	469	357	234	133	77.6	65.5	68.8
MAX	330	535	1,542	1,325	1,234	1,362	723	492	450	148	121	106
(WY)	(1951)	(1974)	(1997)	(1956)	(1996)	(1972)	(1974)	(1953)	(1953)	(1948)	(1956)	(1948)
MIN	64.4	39.2	58.0	64.2	90.0	92.2	73.4	57.0	42.3	36.7	33.1	43.7
(WY)	(1982)	(2003)	(1977)	(1977)	(2001)	(1992)	(1977)	(1968)	(2001)	(1968)	(2001)	(2004)

14337500 BIG BUTTE CREEK NEAR MCLEOD, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL TOTAL	59,791		57,472		250	
ANNUAL MEAN	164		157		501	1956
HIGHEST ANNUAL MEAN					74.7	2001
LOWEST ANNUAL MEAN					7,190	Jan 22, 1972
HIGHEST DAILY MEAN	855	Mar 26	1,480	Feb 17	15	Jun 24, 1977
LOWEST DAILY MEAN	36	Sep 2	36	Aug 19	30	Jun 23, 1977
ANNUAL SEVEN-DAY MINIMUM	37	Aug 29	37	Aug 15	181,400	
ANNUAL RUNOFF (AC-FT)	118,600		114,000		561	
10 PERCENT EXCEEDS	386		360		136	
50 PERCENT EXCEEDS	104		102		54	
90 PERCENT EXCEEDS	41		43			

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14337500 BIG BUTTE CREEK NEAR MCLEOD, OR

Latitude: 42° 39 ' 05"

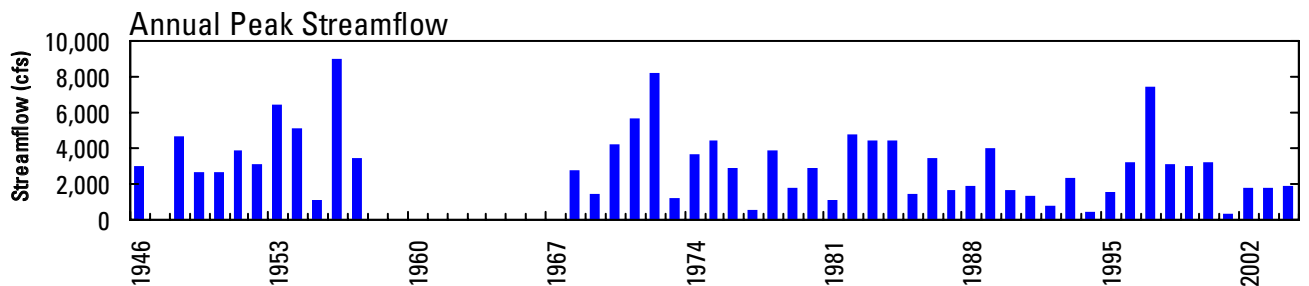
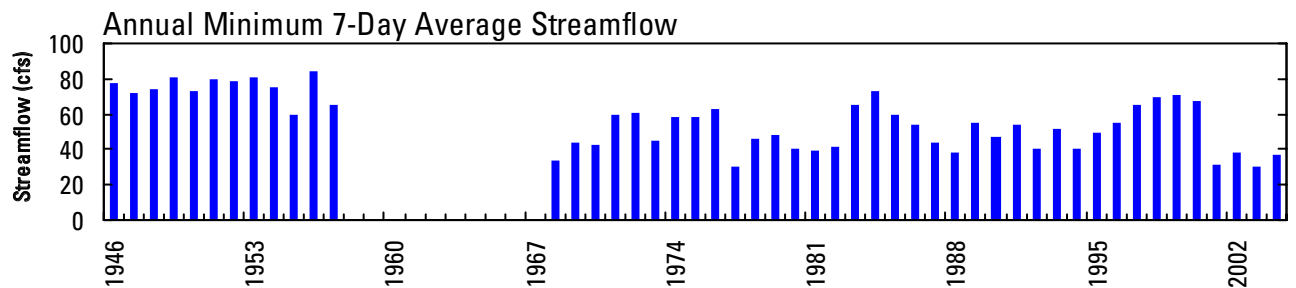
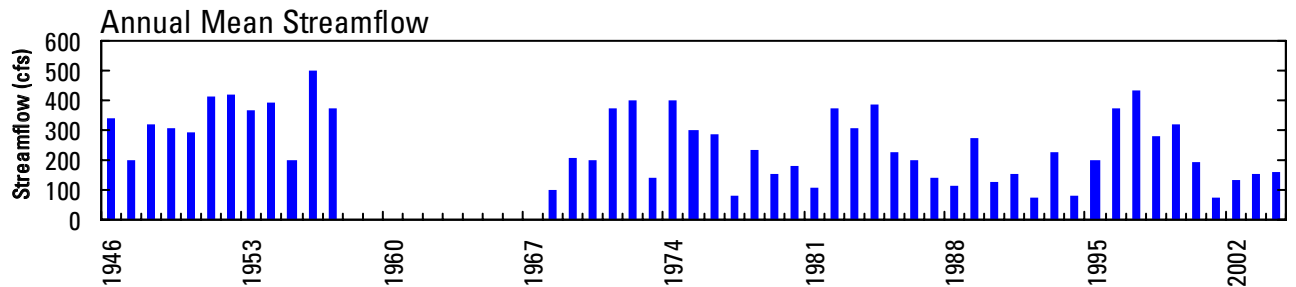
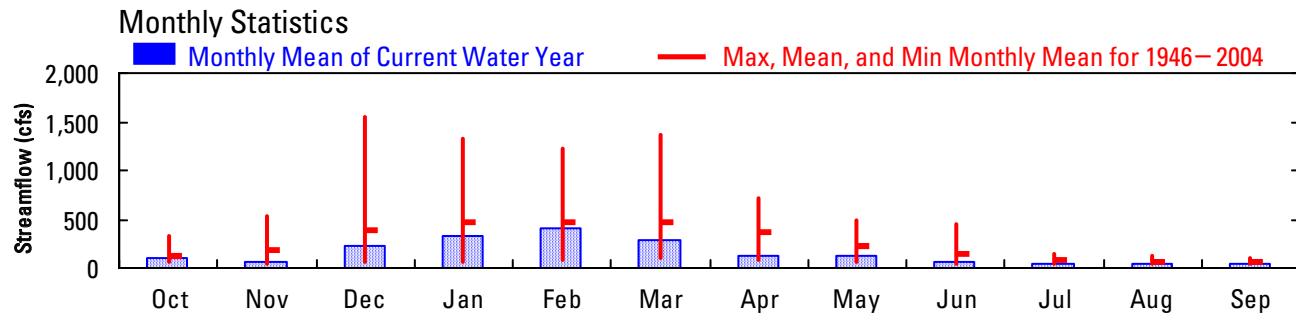
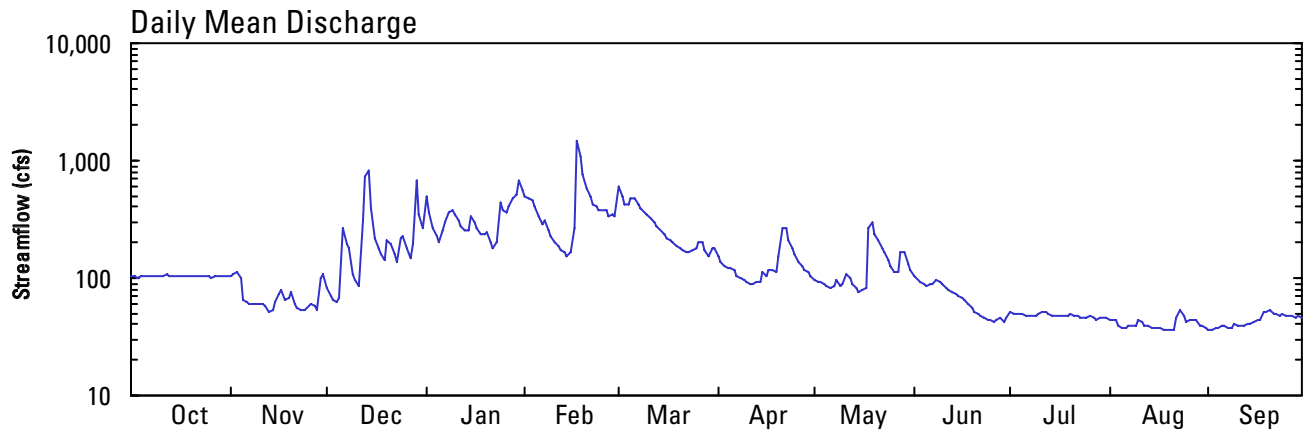
Longitude: 122° 41 ' 25"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1,525.95 feet

Drainage Area: 245 square miles



14337600 ROGUE RIVER NEAR MCLEOD, OR

LOCATION.--Lat 42°39'20", long 122°42'50", in SW ¼ sec.33, T.33 S., R.1 E., Jackson County, Hydrologic Unit 17100307, on left bank at Obstinate J Ranch, 1.3 mi downstream from Big Butte Creek, 1.6 mi southwest of McLeod, and at mile 154.0.

DRAINAGE AREA.--938 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,489.08 ft above NGVD of 1929.

REMARKS.--Records good. Flow regulated since February 1977 by Lost Creek Lake (station 14335040). Diversions for irrigation upstream from station; most of low flow of Big Butte Creek is diverted near Butte Falls.

AVERAGE DISCHARGE.--12 years (water years 1966-77), 2,176 ft³/s, 1,577,000 acre-ft/yr. 27 years (water years 1978-2004), 2,043 ft³/s, 1,480,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft³/s Mar. 3, 1972, gage height, 12.24 ft; minimum discharge, 468 ft³/s Feb. 18, 1977, result of closure of Lost Creek Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1928, 20.35 ft Dec. 22, 1964, from floodmarks, discharge, 74,300 ft³/s, from slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,720 ft³/s May 28, gage height, 3.89 ft; minimum discharge, 898 ft³/s Nov. 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,020	993	978	1,800	2,970	2,460	2,320	2,240	2,610	2,540	1,740	2,040
2	1,020	997	959	1,700	2,800	2,310	2,310	2,940	2,710	2,400	1,740	2,040
3	1,020	999	958	1,520	2,060	2,220	2,300	3,090	2,890	2,310	1,830	2,050
4	1,020	996	952	1,300	1,600	2,220	2,290	3,200	2,890	2,190	1,840	2,050
5	1,010	938	1,070	1,280	1,440	2,290	2,280	3,180	2,880	2,080	1,850	2,040
6	1,010	933	1,620	1,320	1,400	2,280	2,170	2,950	2,900	1,930	1,860	2,040
7	1,020	924	1,550	1,370	1,420	2,220	2,010	2,660	2,910	1,830	1,850	2,030
8	1,020	935	1,640	1,440	1,370	2,200	1,960	2,920	2,910	1,750	1,850	2,030
9	1,010	941	1,790	1,450	1,340	2,170	1,890	2,770	2,900	1,750	1,850	2,050
10	1,020	944	1,770	1,400	1,320	2,120	1,810	2,580	2,890	1,750	1,850	2,040
11	1,020	942	1,760	1,330	1,240	2,090	1,800	2,510	2,890	1,750	1,850	2,040
12	1,030	939	1,910	1,290	1,160	2,050	1,850	2,500	2,890	1,740	1,860	2,050
13	1,050	959	2,210	1,280	1,090	2,020	1,970	2,460	2,890	1,740	1,860	2,050
14	1,050	922	3,230	1,280	1,070	2,000	1,870	2,330	2,900	1,740	1,860	1,940
15	1,040	935	3,050	1,360	1,080	1,980	1,730	2,300	2,990	1,750	1,850	1,840
16	1,030	941	2,860	1,320	1,190	2,020	1,730	2,360	3,070	1,750	1,850	1,750
17	1,020	964	2,810	1,290	2,580	2,000	1,750	2,380	3,070	1,740	e1,850	1,660
18	1,020	946	2,680	1,270	2,220	2,030	1,740	3,230	3,070	1,750	e1,850	1,570
19	1,020	948	2,050	1,310	2,070	2,010	1,740	3,290	3,060	1,750	1,840	1,480
20	1,010	959	1,960	1,330	1,880	2,000	1,800	3,030	3,040	1,750	1,840	1,360
21	1,000	947	2,010	1,350	1,780	1,990	1,900	2,910	3,050	1,750	1,840	1,250
22	1,000	943	1,860	1,380	1,720	2,000	1,890	2,790	3,070	1,750	1,850	1,160
23	1,000	940	1,700	1,410	1,920	2,020	1,840	2,690	3,070	1,760	1,850	1,040
24	1,000	939	1,870	1,680	2,150	2,200	1,800	2,490	3,070	1,750	1,850	1,040
25	1,000	941	1,900	1,660	2,180	2,450	1,780	2,390	3,060	1,760	1,840	1,060
26	995	944	1,960	1,960	2,170	2,470	1,770	2,410	3,060	1,750	1,870	1,060
27	981	943	1,920	2,740	2,130	2,470	1,760	2,530	2,930	1,760	2,050	1,040
28	996	939	1,810	2,910	2,130	2,450	1,760	3,260	2,840	1,750	2,040	1,030
29	1,000	989	2,610	3,020	2,080	2,430	1,900	3,400	2,710	1,760	2,040	1,040
30	1,010	995	2,080	3,200	---	2,420	2,050	3,120	2,630	1,750	2,030	1,050
31	992	---	1,590	3,050	---	2,360	---	2,860	---	1,750	2,040	---
TOTAL	31,434	28,575	59,117	52,000	51,560	67,950	57,770	85,770	87,850	57,280	58,070	48,920
MEAN	1,014	952	1,907	1,677	1,778	2,192	1,926	2,767	2,928	1,848	1,873	1,631
MAX	1,050	999	3,230	3,200	2,970	2,470	2,320	3,400	3,070	2,540	2,050	2,050
MIN	981	922	952	1,270	1,070	1,980	1,730	2,240	2,610	1,740	1,740	1,030
AC-FT	62,350	56,680	117,300	103,100	102,300	134,800	114,600	170,100	174,300	113,600	115,200	97,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

	MEAN	1,231	1,600	2,225	2,146	1,720	2,039	2,352	2,745	2,498	2,125	2,129	1,674
MAX	1,905	3,544	6,464	7,584	4,131	3,557	3,821	4,024	3,755	3,447	2,921	2,195	
(WY)	(1984)	(1985)	(1997)	(1997)	(1996)	(1986)	(1989)	(1996)	(1984)	(1999)	(1984)	(1983)	
MIN	872	844	964	1,038	842	820	823	1,578	1,492	1,123	1,761	1,290	
(WY)	(2002)	(2002)	(1993)	(2001)	(2001)	(2001)	(2001)	(1992)	(2001)	(1992)	(1994)	(1980)	

ROGUE RIVER BASIN

14337600 ROGUE RIVER NEAR MCLEOD, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	660,559		686,296		2,043	
ANNUAL MEAN	1,810		1,875		3,224	1997
HIGHEST ANNUAL MEAN					1,314	1992
LOWEST ANNUAL MEAN					16,500	Jan 9, 1997
HIGHEST DAILY MEAN	6,230	Mar 27	3,400	May 29	730	Feb 4, 1981
LOWEST DAILY MEAN	839	Mar 5	922	Nov 14	734	Feb 6, 1981
ANNUAL SEVEN-DAY MINIMUM	859	Mar 1	937	Nov 5	1,480,000	
ANNUAL RUNOFF (AC-FT)	1,310,000		1,361,000		3,230	
10 PERCENT EXCEEDS	2,860		2,900		1,850	
50 PERCENT EXCEEDS	1,730		1,850		987	
90 PERCENT EXCEEDS	948		997			

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14337600 ROGUE RIVER NEAR MCLEOD, OR

Latitude: 42° 39 ' 20"

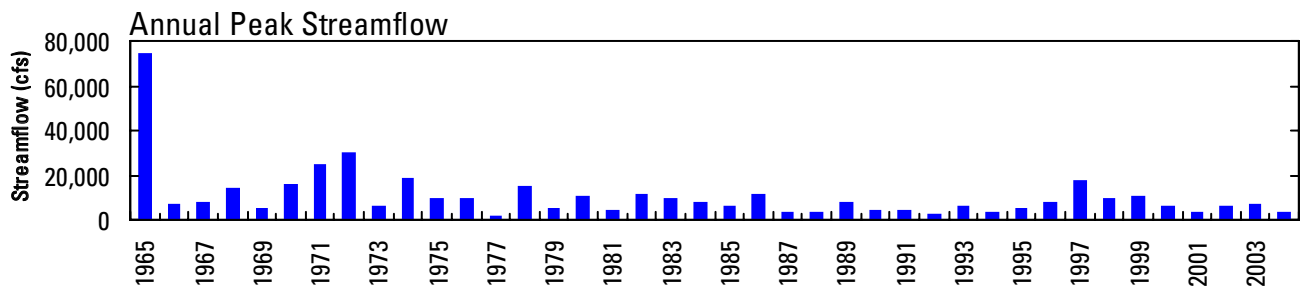
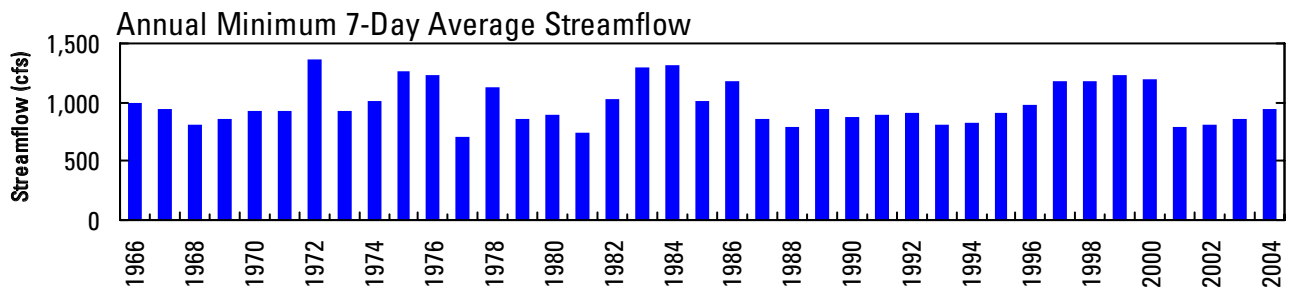
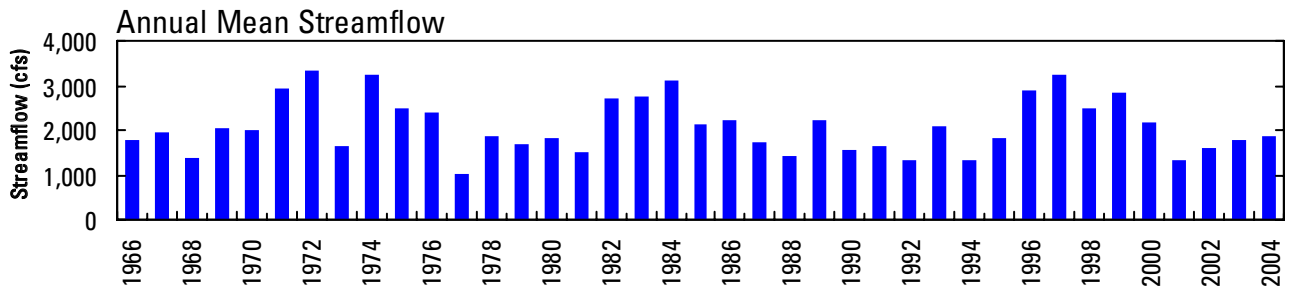
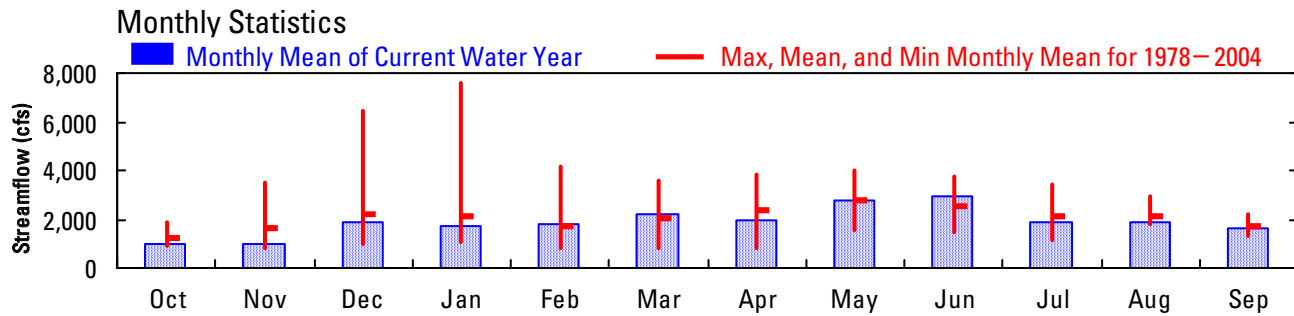
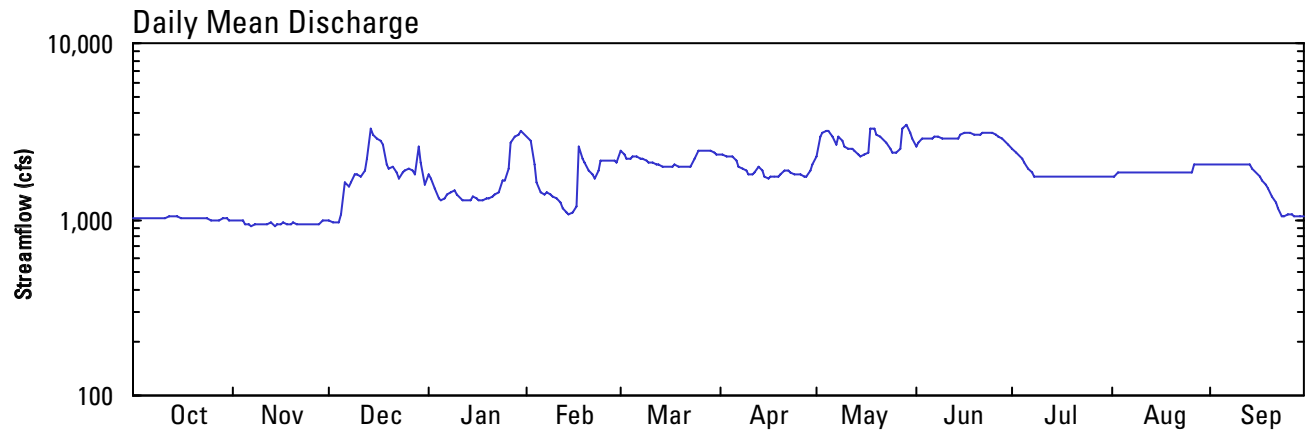
Longitude: 122° 42 ' 50"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1,489.08 feet

Drainage Area: 938 square miles



14337600 ROGUE RIVER NEAR MCLEOD, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1970 to current year.

INSTRUMENTATION.--Temperature recorder since August 1970.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 18.0°C July 17, 18, Aug. 7, 1973; minimum, 0.5°C Jan. 3-5, 14, 15, 1971. Maximum since full operation of Lost Creek Lake, 16.5°C Sept. 14, 1999, but may have been higher during period of missing record Sept. 21-30; minimum, 2.5°C Jan. 10, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.3°C Aug. 14; minimum, 4.9°C Jan. 2, Feb. 10, 12.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.8	8.2	8.8	7.3	6.0	6.6	7.1	6.7	6.9	5.5	5.1	5.3
2	9.8	7.8	8.8	6.8	6.3	6.5	7.3	6.6	6.9	5.5	4.9	5.2
3	9.5	8.0	8.6	7.1	6.4	6.7	7.3	6.8	7.0	5.6	5.2	5.4
4	9.4	8.2	8.6	6.8	6.2	6.4	7.0	6.6	6.8	5.8	5.2	5.4
5	9.9	8.1	8.8	7.0	6.2	6.5	7.1	6.7	6.9	5.9	5.3	5.5
6	9.9	7.8	8.8	6.7	6.2	6.5	7.5	6.8	7.1	5.6	5.3	5.5
7	9.7	8.5	9.0	7.4	6.2	6.7	6.8	6.6	6.7	6.0	5.3	5.6
8	8.8	7.9	8.4	7.0	6.5	6.7	6.9	6.6	6.7	5.9	5.5	5.7
9	8.7	7.3	7.9	7.1	6.5	6.7	6.7	6.5	6.6	6.1	5.6	5.8
10	8.4	6.9	7.5	7.1	6.5	6.7	6.7	6.4	6.6	6.0	5.4	5.7
11	7.2	6.7	6.9	7.2	6.7	6.8	6.8	6.4	6.6	6.0	5.1	5.5
12	8.0	6.6	7.1	7.2	6.3	6.7	6.6	6.4	6.5	5.8	5.3	5.5
13	8.5	6.6	7.4	7.3	6.0	6.6	6.9	6.4	6.7	5.9	5.3	5.6
14	8.6	7.2	7.7	7.0	6.2	6.5	6.4	5.9	6.1	6.1	5.6	5.8
15	7.3	7.0	7.1	7.2	6.4	6.8	6.6	6.2	6.3	6.4	5.8	6.0
16	8.4	6.9	7.4	6.8	6.6	6.7	6.6	6.3	6.4	6.2	5.6	5.9
17	8.3	6.8	7.3	7.3	6.6	6.9	6.6	6.3	6.4	5.9	5.1	5.5
18	8.3	6.8	7.3	7.5	6.7	7.0	6.5	6.1	6.3	6.0	5.4	5.7
19	7.9	7.0	7.3	7.0	6.5	6.7	6.5	6.0	6.2	6.0	5.6	5.8
20	7.8	7.1	7.4	7.4	6.3	6.8	6.5	6.1	6.3	5.9	5.4	5.6
21	8.3	6.9	7.4	7.1	6.4	6.7	6.4	6.0	6.2	5.8	5.1	5.4
22	8.0	7.0	7.4	7.3	6.3	6.7	6.2	5.9	6.0	5.9	5.2	5.5
23	8.2	6.9	7.4	7.4	6.6	6.9	6.3	5.9	6.1	5.7	5.3	5.5
24	8.0	6.7	7.2	7.3	6.7	6.9	6.5	5.9	6.2	6.1	5.5	5.7
25	8.0	6.8	7.2	6.9	6.6	6.8	6.2	5.8	5.9	5.8	5.3	5.5
26	8.1	6.8	7.3	7.4	6.6	6.9	6.2	5.7	5.9	5.5	5.2	5.3
27	8.1	6.8	7.3	7.1	6.4	6.7	6.4	6.0	6.1	5.8	5.4	5.5
28	8.2	6.9	7.4	7.4	6.7	7.0	6.2	5.5	6.0	5.8	5.5	5.6
29	7.7	6.9	7.2	7.2	6.9	7.0	5.8	5.2	5.5	5.8	5.6	5.7
30	7.6	6.5	6.9	7.3	6.8	7.0	6.0	5.6	5.8	5.7	5.3	5.5
31	7.4	6.2	6.6	---	---	---	5.8	5.5	5.6	5.5	5.2	5.4
MONTH	9.9	6.2	7.7	7.5	6.0	6.7	7.5	5.2	6.4	6.4	4.9	5.6

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.8	5.4	5.6	6.1	5.5	5.8	8.0	6.6	7.3	10.3	9.3	9.8
2	5.7	5.4	5.5	6.5	5.6	6.0	8.8	6.8	7.7	10.2	9.2	9.8
3	5.8	5.3	5.5	5.8	5.3	5.6	8.2	7.1	7.7	10.6	9.3	9.8
4	6.0	5.4	5.6	6.0	5.5	5.7	8.2	7.0	7.7	10.6	8.9	9.7
5	5.8	5.1	5.4	6.0	5.5	5.7	8.0	7.3	7.6	10.2	9.0	9.6
6	5.6	5.2	5.4	6.6	5.7	6.0	8.3	7.1	7.7	10.1	9.0	9.6
7	5.9	5.2	5.5	6.7	5.7	6.1	8.2	7.4	7.8	10.1	9.1	9.5
8	5.9	5.1	5.4	6.8	5.7	6.2	8.7	7.2	8.0	10.4	9.5	9.8
9	5.8	5.0	5.3	6.8	5.9	6.2	8.8	7.6	8.1	10.3	9.5	10
10	5.9	4.9	5.3	6.8	5.7	6.2	8.9	7.5	8.2	10.0	8.8	9.5
11	6.0	5.0	5.4	6.9	5.8	6.2	9.0	7.8	8.3	10.9	9.0	9.9
12	6.0	4.9	5.4	7.1	5.9	6.4	9.0	7.8	8.4	11.3	9.3	10.3
13	5.6	5.0	5.3	7.2	6.0	6.5	9.0	7.3	8.1	11.3	10.0	10.7
14	6.0	5.3	5.6	7.3	6.3	6.6	9.0	7.6	8.1	11.3	9.8	10.7
15	6.0	5.3	5.6	7.3	6.1	6.6	9.0	7.7	8.4	11.6	10.0	10.7
16	6.2	5.5	5.8	7.6	6.4	6.8	9.2	8.2	8.6	12.2	10.1	11.0
17	6.8	5.7	6.2	7.6	6.4	6.9	9.5	7.9	8.6	12.2	10.1	10.9
18	6.7	6.1	6.4	7.8	6.2	6.8	9.0	7.6	8.4	10.6	9.4	10
19	6.6	5.6	6.0	7.8	6.3	6.9	8.9	7.8	8.4	11.4	9.4	10.3
20	6.0	5.1	5.6	7.4	6.3	6.8	8.7	7.9	8.4	12.7	10.4	11.2
21	6.1	5.5	5.8	7.7	6.6	7.0	8.8	7.9	8.3	12.0	10.7	11.2
22	6.1	5.6	5.8	8.1	7.1	7.5	10.1	8.4	9.2	11.4	9.3	10.3
23	6.4	5.6	5.9	7.9	7.0	7.4	10.2	9.3	9.6	12.0	10.2	11.2
24	6.2	5.5	5.7	7.4	6.9	7.2	10.3	8.4	9.4	12.0	10.3	11.4
25	6.0	5.4	5.7	7.5	6.3	6.9	10.3	9.0	9.5	11.7	10.3	11.3
26	6.1	5.5	5.7	7.6	6.6	7.1	10.6	9.2	9.8	12.0	10.1	11.1
27	5.9	5.4	5.6	7.9	6.6	7.2	10.6	9.4	9.9	12.0	10.0	10.6
28	6.2	5.5	5.7	7.9	6.8	7.3	10.1	8.8	9.5	11.2	10.0	10.5
29	5.8	5.5	5.6	7.9	6.9	7.2	10.3	8.8	9.5	11.0	9.4	10.4
30	---	---	---	7.9	6.5	7.2	10.5	9.2	9.8	11.7	10.2	10.9
31	---	---	---	7.5	6.5	7.0	---	---	---	11.7	9.7	10.8
MONTH	6.8	4.9	5.6	8.1	5.3	6.6	10.6	6.6	8.5	12.7	8.8	10.4
	JUNE			JULY			AUGUST			SEPTEMBER		
1	11.6	9.9	10.9	12.3	10.6	11.6	13.2	10.7	12.4	13.9	12.4	13.1
2	11.9	9.8	10.9	12.4	10.5	11.7	13.2	10.8	12.3	13.7	12.6	13.1
3	12.2	10.1	11.0	12.7	10.8	11.9	13.3	11.3	12.5	13.7	12.5	13.1
4	11.8	9.9	11.0	12.5	11.0	12.0	13.4	10.9	12.5	13.9	12.8	13.2
5	11.6	9.7	10.7	12.5	11.0	11.9	13.5	10.8	12.6	13.9	12.8	13.2
6	11.6	9.5	10.7	12.8	10.7	11.9	13.1	12.2	12.6	13.9	12.8	13.2
7	11.4	10.2	10.7	13.2	10.8	11.9	14.1	12.3	13.0	13.4	12.3	12.7
8	10.7	9.8	10.4	12.7	10.7	11.9	13.9	11.5	12.9	12.8	11.8	12.2
9	10.8	10.1	10.3	12.8	10.5	11.9	14.0	12.4	13.1	12.9	11.6	12.2
10	11.8	9.9	10.8	13.1	10.8	11.9	14.0	12.0	13.2	12.9	11.8	12.2
11	11.4	10.6	11.1	13.0	10.9	12.1	14.1	12.0	13.3	12.7	11.7	12.1
12	11.5	10.2	10.9	13.2	11.1	12.1	14.0	12.1	13.3	12.5	11.8	12.0
13	11.8	10.7	11.1	13.1	10.7	12.2	14.2	12.1	13.4	12.5	11.8	12.1
14	11.8	10.1	11.0	13.3	11.1	12.3	14.3	11.8	13.4	12.9	11.6	12.1
15	12.1	10.3	11.2	13.3	10.9	12.2	13.9	11.6	13.2	12.4	11.8	12.1
16	12.6	10.3	11.5	13.0	10.9	12.0	14.2	12.0	13.3	12.9	10.5	11.8
17	12.1	10.6	11.3	12.6	10.2	11.5	13.8	12.2	13.2	11.3	10.2	10.8
18	11.9	10.4	11.3	12.3	10.6	11.6	13.9	12.2	13.1	11.1	10.3	10.7
19	11.9	10.3	11.3	12.7	11.0	11.8	14.1	12.5	13.3	11.2	10.2	10.6
20	12.0	10.7	11.5	13.0	10.5	12.0	14.1	12.1	13.3	11.4	10.2	10.6
21	12.1	10.7	11.5	13.0	10.0	12.0	13.7	12.1	13.0	11.6	10.2	10.8
22	12.1	10.1	11.2	12.2	9.7	11.3	14.0	12.5	13.0	10.5	9.3	10.0
23	11.7	10.2	11.1	12.3	10.0	11.4	13.6	12.8	13.1	10.9	8.9	9.7
24	12.0	10.0	11.3	12.7	10.3	11.6	13.8	12.6	13.0	10.5	8.7	9.4
25	11.8	10.3	11.3	12.4	10.0	11.6	13.8	12.6	13.1	10.4	8.6	9.4
26	11.9	10.6	11.4	12.6	10.1	11.8	13.7	12.6	13.1	10.2	8.2	9.1
27	11.9	10.6	11.4	12.5	10.0	11.8	14.0	12.8	13.3	10.2	8.3	9.0
28	11.9	10.5	11.3	12.8	10.6	11.9	14.2	12.8	13.4	10.2	8.5	9.2
29	11.9	10.4	11.2	12.8	10.8	12.0	13.9	12.8	13.4	10.1	8.3	9.2
30	12.2	10.8	11.5	13.0	10.9	12.1	13.7	12.2	13.0	10.0	8.2	9.1
31	---	---	---	13.1	10.8	12.2	13.6	12.4	13.0	---	---	---
MONTH	12.6	9.5	11.1	13.3	9.7	11.9	14.3	10.7	13.0	13.9	8.2	11.3
YEAR	14.3	4.9	8.7									

14338000 ELK CREEK NEAR TRAIL, OR

LOCATION.--Lat 42°40'44", long 122°44'27", in NE ¼ NW ¼ sec.30, T.33 S., R.1 E., Jackson County, Hydrologic Unit 17100307, on right bank 4.5 mi northeast of Trail and at mile 1.5.

DRAINAGE AREA.--129 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1945 to current year. Prior to March 1946 monthly discharge only, published in WSP 1318.

REVISED RECORDS.--WDR OR-89-2: Drainage area. WDR OR-92-1: 1989(M), 1990(M), 1991(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,493.91 ft above NGVD of 1929. Prior to July 5, 1946, nonrecording gage at various sites within 1.0 mi of present site at different datums. July 5, 1946, to June 22, 1950, nonrecording gage, and June 23, 1950, to May 23, 1954, water-stage recorder, at site 0.5 mi downstream at datum 25.21 ft lower, May 24, 1954, to Sept. 30, 1988 at site 0.8 mi downstream at datum 37.35 ft lower.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation and fish hatchery operation upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--58 years (water years 1947-2004), 216 ft³/s, 156,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,200 ft³/s Dec. 22, 1964, gage height, 18.84 ft, from rating curve extended above 4,700 ft³/s on basis of slope-area measurement of peak flow, site and datum then in use; minimum discharge, 0.01 ft³/s Oct. 8, 1987, result of dam construction 1.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 14	0130	2,910	7.94	Feb 17	2330	*4,040	*8.79

Minimum discharge, 2.4 ft³/s, Oct. 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7.4	201	719	788	910	132	111	62	19	6.7	7.4
2	5.0	8.4	142	633	707	962	121	105	57	18	7.1	7.2
3	5.0	11	109	386	603	657	114	100	53	17	6.2	7.8
4	5.0	12	102	289	489	539	112	96	49	17	5.9	7.5
5	5.0	16	208	238	393	597	112	91	44	16	6.1	7.5
6	4.9	20	939	270	357	642	107	86	44	15	7.0	6.9
7	4.8	16	535	470	420	550	104	83	48	15	7.5	6.5
8	4.8	21	483	876	403	516	99	89	49	15	7.1	6.1
9	5.0	29	329	1,280	350	500	98	78	50	14	6.2	5.8
10	5.2	23	271	1,210	303	442	94	77	55	13	5.4	5.5
11	5.5	26	211	860	270	372	93	93	53	14	4.7	6.2
12	6.5	35	575	838	247	332	92	91	49	13	4.4	6.3
13	7.3	25	2,000	790	229	298	96	83	46	12	4.0	6.7
14	6.6	20	1,870	793	212	268	94	75	42	11	4.0	7.7
15	6.3	19	780	894	248	249	97	69	38	11	4.0	8.0
16	6.5	39	455	670	373	233	98	66	35	10	4.6	9.6
17	6.9	118	383	493	2,320	214	99	65	34	10	4.5	9.2
18	6.4	75	460	429	2,420	208	92	92	30	11	4.1	8.8
19	5.9	47	441	523	1,260	198	98	125	29	11	4.4	10
20	6.1	68	481	672	795	174	200	108	27	10	4.1	12
21	6.3	52	397	503	580	165	514	93	26	9.3	4.2	12
22	6.2	38	304	378	458	171	562	83	25	8.6	7.7	9.9
23	5.7	31	247	408	392	173	366	78	24	8.4	16	8.9
24	6.1	28	469	1,140	373	164	265	70	23	7.4	12	8.3
25	6.3	28	591	956	407	159	214	64	22	7.3	11	7.8
26	6.1	36	428	660	679	170	181	60	22	7.7	16	7.5
27	5.8	50	311	743	689	199	162	60	21	6.7	15	7.7
28	5.8	44	267	1,180	629	182	148	80	21	6.4	11	7.4
29	5.7	324	461	1,360	556	159	133	81	20	6.7	9.4	7.2
30	6.2	368	473	1,350	---	158	121	76	20	6.7	8.7	7.3
31	7.3	---	336	1,120	---	147	---	68	---	6.7	7.7	---
TOTAL	181.3	1,634.8	15,259	23,131	17,950	10,708	4,818	2,596	1,118	353.9	226.7	236.7
MEAN	5.85	54.5	492	746	619	345	161	83.7	37.3	11.4	7.31	7.89
MAX	7.3	368	2,000	1,360	2,420	962	562	125	62	19	16	12
MIN	4.8	7.4	102	238	212	147	92	60	20	6.4	4.0	5.5
AC-FT	360	3,240	30,270	45,880	35,600	21,240	9,560	5,150	2,220	702	450	469

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	29.0	177	437	519	502	412	283	161	58.1	14.6	6.44	7.04
MAX	404	1,008	1,851	1,283	1,131	1,074	565	358	254	36.1	25.1	43.7
(WY)	(1951)	(1974)	(1965)	(1965)	(1958)	(1972)	(1956)	(1975)	(1953)	(1953)	(1976)	(1986)
MIN	3.17	8.92	13.1	19.8	23.1	45.4	65.8	21.6	7.42	1.39	0.21	0.60
(WY)	(1953)	(1994)	(1977)	(1977)	(1977)	(1992)	(1968)	(1992)	(1992)	(1994)	(1994)	(1992)

14338000 ELK CREEK NEAR TRAIL, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	73,243.6		78,213.4		216	
ANNUAL MEAN	201		214		438	
HIGHEST ANNUAL MEAN					38.4	
LOWEST ANNUAL MEAN					12,200	
HIGHEST DAILY MEAN	2,000	Dec 13	2,420	Feb 18	12,200	Dec 22, 1964
LOWEST DAILY MEAN	3.9	Jul 31	4.0	Aug 13	0.12	Sep 1, 1994
ANNUAL SEVEN-DAY MINIMUM	4.5	Jul 27	4.2	Aug 12	0.12	Sep 1, 1994
ANNUAL RUNOFF (AC-FT)	145,300		155,100		156,600	
10 PERCENT EXCEEDS	552		630		549	
50 PERCENT EXCEEDS	68		67		66	
90 PERCENT EXCEEDS	5.4		6.2		4.6	



2004 Water Year
ROGUE RIVER BASIN

14338000 ELK CREEK NEAR TRAIL, OR

Latitude: 42° 40 ' 44 "

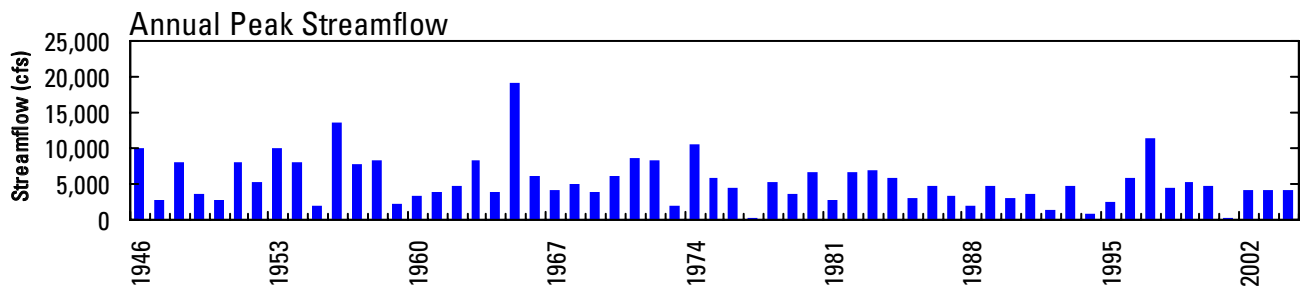
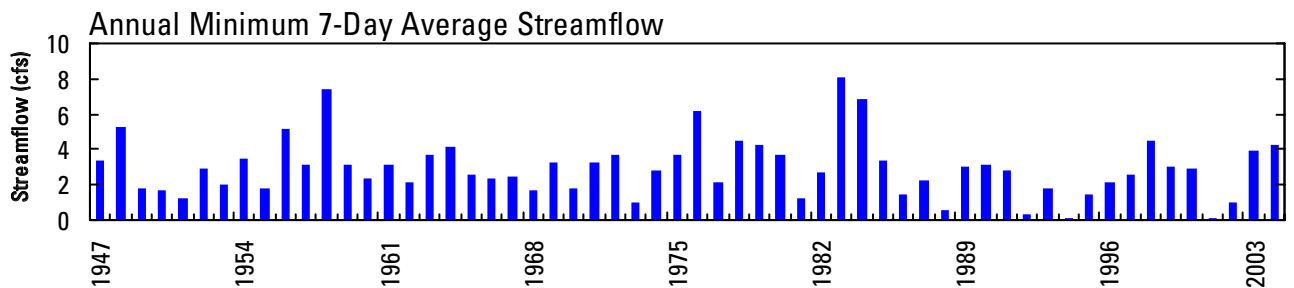
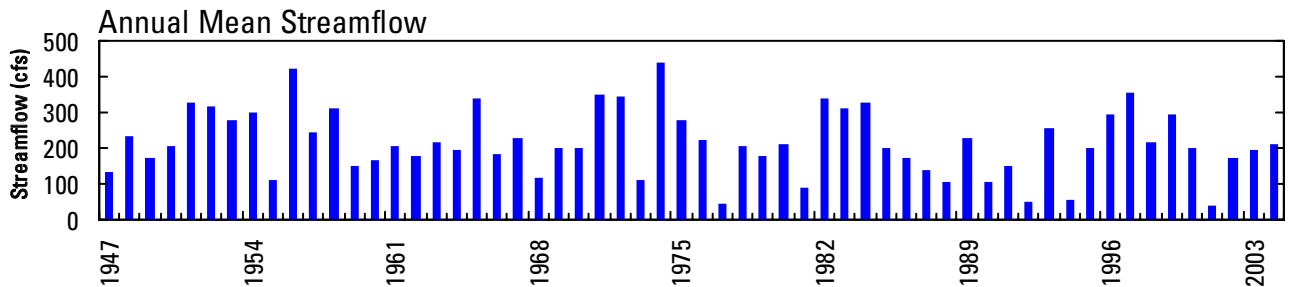
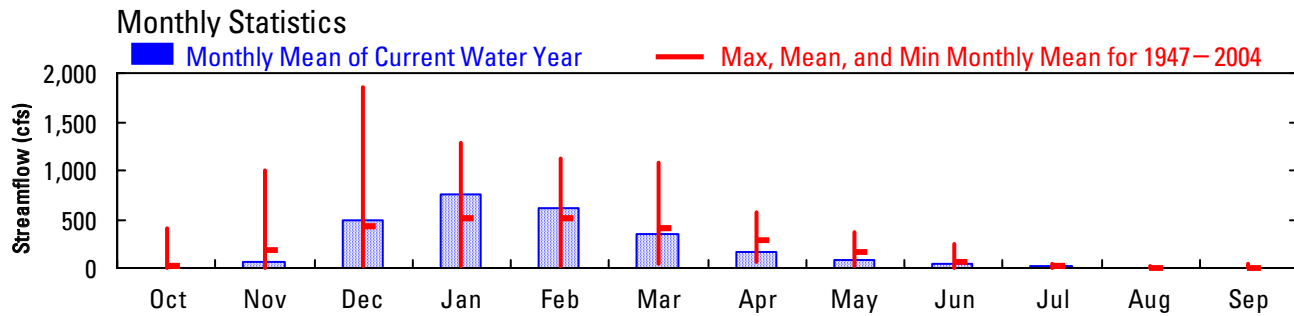
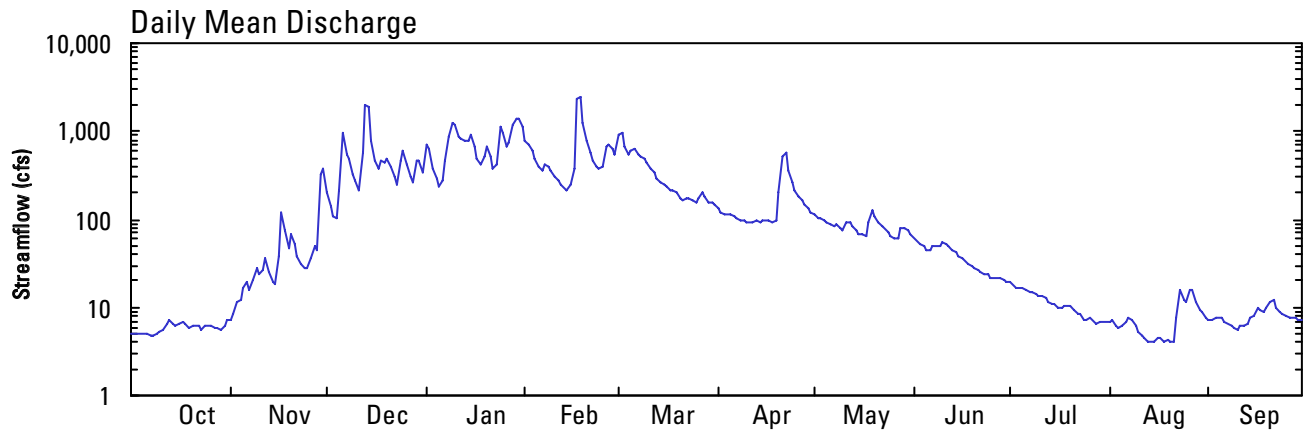
Longitude: 122° 44 ' 27 "

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1,493.91 feet

Drainage Area: 129 square miles



14338000 ELK CREEK NEAR TRAIL, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 1973 to current year.

TURBIDITY: October 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--

WATER TEMPERATURE: Records excellent for the period July 13 to Sept. 30, good for the period Oct. 7 to Nov. 17, fair for the period Oct. 1-7, and poor for the period Nov. 17 to July 13.

TURBIDITY: Records fair except for those above 40 FNU, which are poor. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.0°C Aug. 24, 1999; minimum, 0.0°C at times during most winter periods.

TURBIDITY: Maximum recorded, 100 FNU Jan. 10, 2000 but may have been higher during periods of missing record; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.2°C Aug. 14; minimum, 3.1°C Dec. 29.

TURBIDITY: Maximum recorded, 98 FNU Dec. 14, but may have been higher during periods of missing record; minimum, <1 FNU many days during year.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.5	15.9	17.3	10.7	8.4	9.1	8.6	7.9	8.2	5.5	4.4	4.9
2	18.6	15.7	17.3	8.6	7.2	7.9	8.2	7.4	7.9	5.7	5.0	5.3
3	18.3	15.8	17.1	7.8	7.0	7.4	9.1	8.0	8.5	5.4	4.8	5.1
4	18.1	16.0	17.0	7.6	7.0	7.3	8.8	7.6	8.0	5.4	4.6	5.0
5	18.6	15.7	17.2	7.6	6.5	7.0	8.9	8.2	8.6	5.6	4.5	5.0
6	18.4	15.7	17.2	7.1	6.6	6.8	9.1	8.2	8.7	5.6	4.8	5.2
7	19.2	16.5	17.9	8.1	6.6	7.3	8.2	7.2	7.8	6.3	5.2	5.7
8	17.4	15.7	16.5	8.6	7.8	8.2	7.9	6.8	7.3	6.8	5.8	6.2
9	16.5	14.6	15.5	9.0	8.0	8.5	7.5	6.9	7.2	6.9	6.1	6.5
10	16.6	13.8	14.8	9.8	8.8	9.3	7.3	6.5	6.9	7.0	5.9	6.5
11	14.0	13.2	13.6	10.3	9.7	10.0	7.7	6.9	7.2	6.9	5.6	6.2
12	14.6	12.5	13.3	9.9	8.9	9.4	7.3	6.2	6.8	6.9	5.7	6.2
13	13.7	11.2	12.5	9.1	7.5	8.0	8.5	7.1	7.9	7.0	5.6	6.3
14	14.7	11.9	13.1	7.8	6.8	7.1	7.4	6.3	6.6	8.1	6.5	7.4
15	12.8	11.3	12.1	8.4	7.2	7.7	6.5	5.8	6.3	7.6	6.4	6.9
16	14.4	11.2	12.6	8.6	8.3	8.4	6.6	5.6	6.0	7.1	6.3	6.7
17	14.2	11.8	13.1	9.8	7.8	9.0	6.7	5.6	6.1	6.3	5.0	5.7
18	14.2	11.8	13.0	10.4	9.4	9.9	6.1	5.0	5.6	7.2	6.0	6.5
19	14.2	12.6	13.3	9.9	8.4	9.0	6.9	5.5	6.1	7.1	6.4	6.7
20	14.5	13.1	13.7	8.4	7.4	7.8	7.2	6.5	6.8	6.5	5.3	5.8
21	15.1	12.7	14.0	7.4	6.7	7.1	7.1	6.4	6.7	5.7	4.5	5.1
22	14.6	13.0	13.9	6.7	5.0	5.7	6.4	5.5	6.0	5.2	3.8	4.6
23	15.2	12.5	13.8	5.0	3.4	4.1	7.3	6.1	6.6	5.9	4.5	5.1
24	13.6	11.6	12.6	5.0	3.8	4.3	7.4	6.7	7.2	6.9	5.8	6.3
25	13.7	11.2	12.3	5.6	4.3	4.6	6.8	5.8	6.4	6.3	5.3	5.7
26	14.2	11.0	12.5	6.5	4.5	5.4	5.8	5.0	5.4	5.7	5.2	5.4
27	13.9	11.2	12.5	6.0	4.5	5.2	5.1	4.4	4.8	6.8	5.3	6.0
28	14.5	11.6	12.9	7.0	5.3	6.0	5.3	4.0	4.9	6.9	6.4	6.6
29	13.2	11.5	12.4	8.1	7.0	7.5	4.9	3.1	4.0	7.4	6.8	7.1
30	13.2	10.6	11.7	8.7	7.8	8.2	5.8	4.8	5.2	7.2	5.9	6.6
31	12.4	9.6	11.0	---	---	---	5.4	4.9	5.1	6.5	5.8	6.0
MONTH	19.20	9.60	14.12	10.70	3.40	7.44	9.10	3.10	6.67	8.10	3.80	5.95

ROGUE RIVER BASIN

14338000 ELK CREEK NEAR TRAIL, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.8	5.6	6.1	6.9	5.6	6.2	9.0	4.9	7.1	15.0	10.9	13.0
2	7.2	6.0	6.6	8.1	6.1	6.9	10.1	5.4	7.8	15.8	11.5	13.7
3	6.8	5.8	6.3	6.7	5.2	6.0	11.8	7.3	9.6	16.5	12.3	14.4
4	7.2	5.8	6.4	7.2	6.3	6.7	12.6	8.7	10.7	15.6	12.2	14.0
5	6.5	4.8	5.7	6.6	5.8	6.1	11.9	9.8	10.8	15.2	11.7	13.5
6	6.4	5.5	6.0	8.5	5.9	7.0	11.9	9.0	10.3	14.0	10.8	12.2
7	6.5	5.4	6.0	9.2	5.9	7.5	11.7	8.4	10.1	12.9	10.5	11.8
8	6.0	4.5	5.2	9.8	6.3	8.0	13.6	8.0	11.1	13.5	10.8	12.1
9	5.7	3.7	4.7	9.8	6.8	8.2	13.8	9.8	11.9	13.0	10.9	11.5
10	5.8	3.6	4.7	9.2	6.2	7.8	13.9	10.0	12.1	11.8	10.1	10.9
11	6.1	3.7	4.9	9.3	5.7	7.6	14.2	10.2	12.3	12.5	9.6	10.9
12	6.1	3.6	4.9	9.5	6.2	7.9	14.4	11.2	12.9	13.4	8.9	11.1
13	5.8	4.0	4.8	9.3	5.9	7.7	13.4	11.1	12.3	14.4	10.0	12.2
14	6.6	5.3	6.0	10.3	7.4	8.8	12.0	10.0	11.1	15.5	11.8	13.6
15	6.6	5.2	6.0	9.4	6.2	8.0	10.6	8.5	9.3	14.9	12.6	13.6
16	7.0	6.3	6.6	9.8	6.1	8.0	9.8	7.6	8.7	14.9	11.8	13.4
17	7.6	6.1	6.8	10.0	6.2	8.2	11.6	7.8	9.4	14.4	11.9	13.1
18	8.3	7.2	7.6	10.2	7.1	8.7	10.5	8.6	9.3	13.1	10.8	11.7
19	8.0	6.4	7.3	10.1	7.1	8.4	9.3	7.9	8.6	14.4	10.2	11.9
20	7.1	5.1	6.2	9.6	5.3	7.6	8.6	7.6	8.1	14.8	10.9	12.9
21	7.3	6.0	6.7	11.0	7.4	9.2	8.5	7.2	7.8	15.6	11.6	13.6
22	7.5	6.2	6.9	11.5	8.1	10.0	10.8	6.4	8.3	14.9	12.3	13.2
23	8.3	6.6	7.4	11.8	8.9	10.3	11.0	7.6	9.1	14.7	10.9	12.7
24	7.8	6.3	6.9	10.0	7.5	8.6	12.0	7.4	9.7	15.5	11.4	13.5
25	7.2	6.1	6.5	8.6	6.9	7.6	13.5	8.6	11.0	18.3	12.8	15.5
26	7.3	6.0	6.7	7.4	5.8	6.6	14.8	10.1	12.4	18.1	15.4	16.8
27	7.2	6.1	6.6	9.3	6.4	7.7	15.3	11.1	13.3	17.8	14.5	15.9
28	7.5	5.9	6.6	10.3	5.8	8.1	13.9	10.3	12.2	14.9	12.9	14.0
29	6.6	5.6	6.1	11.0	7.0	9.1	13.4	8.9	11.2	13.9	12.1	13.1
30	---	---	---	10.6	7.7	9.2	14.4	9.8	12.1	15.9	10.8	13.2
31	---	---	---	8.1	5.6	7.0	---	---	---	17.0	12.9	14.9
MONTH	8.30	3.60	6.18	11.80	5.20	7.89	15.30	4.90	10.35	18.30	8.90	13.16
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.7	13.7	15.7	25.6	22.2	23.5	26.9	23.2	25.1	23.2	20.5	21.7
2	18.5	14.4	16.5	24.8	21.9	23.1	25.8	23.2	24.4	21.2	18.8	19.9
3	19.4	15.4	17.4	25.0	21.7	23.3	25.6	21.7	23.6	21.2	17.6	19.

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	15	8	11	59	7	27
2	---	---	---	---	---	---	9	5	7	26	12	16
3	---	---	---	---	---	---	9	4	5	13	8	10
4	---	---	---	---	---	---	16	3	3	9	6	8
5	---	---	---	---	---	---	13	3	5	7	6	6
6	---	---	---	---	---	---	---	---	---	8	6	6
7	---	---	---	---	---	---	32	16	21	15	7	11
8	---	---	---	---	---	---	20	12	16	43	13	27
9	---	---	---	---	---	---	13	9	11	50	39	44
10	---	---	---	---	---	---	10	7	8	47	17	23
11	---	---	---	---	---	---	9	5	6	18	11	14
12	---	---	---	---	---	---	60	5	19	24	10	11
13	---	---	---	---	---	---	---	---	---	13	9	10
14	---	---	---	---	---	---	---	---	---	14	8	9
15	---	---	---	---	---	---	43	16	20	17	9	12
16	---	---	---	---	---	---	18	10	13	10	7	8
17	---	---	---	---	---	---	12	8	9	9	6	7
18	---	---	---	8	3	4	14	8	10	8	5	6
19	---	---	---	5	1	3	11	8	8	11	5	6
20	---	---	---	7	2	3	22	8	9	14	6	8
21	---	---	---	4	<1	2	12	6	7	8	5	6
22	---	---	---	6	<1	<1	13	5	6	6	5	5
23	---	---	---	1	<1	<1	9	4	5	28	4	5
24	---	---	---	---	---	---	28	4	15	38	16	23
25	---	---	---	---	---	---	19	9	11	16	10	13
26	---	---	---	---	---	---	10	6	8	10	8	8
27	---	---	---	2	<1	<1	7	5	6	14	9	11
28	---	---	---	2	<1	<1	6	5	5	48	12	20
29	---	---	---	---	---	---	18	6	11	31	16	19
30	---	---	---	58	14	23	16	9	12	27	15	18
31	---	---	---	---	---	---	10	7	8	16	12	14
MAX	---	---	---	---	---	---	---	---	---	59	39	44
MIN	---	---	---	---	---	---	---	---	---	6	4	5
FEBRUARY			MARCH			APRIL			MAY			
1	15	9	10	39	13	28	4	2	3	3	2	2
2	10	7	8	26	13	18	5	2	2	7	2	3
3	9	6	7	---	---	---	4	2	2	8	2	4
4	9	6	7	10	8	9	3	2	2	4	2	2
5	8	5	6	12	8	10	4	2	2	4	2	2
6	10	5	5	10	7	8	3	2	2	3	1	2
7	10	6	7	8	6	7	---	---	---	2	1	1
8	7	5	6	8	6	6	---	---	---	2	1	1
9	6	4	5	8	6	6	3	2	2	2	<1	1
10	6	4	5	7	5	6	2	2	2	5	<1	1
11	6	4	4	8	5	5	4	2	2	3	2	2
12	9	4	4	---	---	---	4	2	2	3	1	2
13	9	4	4	---	---	---	5	2	2	2	1	1
14	8	4	5	5	4	4	3	1	2	2	1	1
15	10	4	6	5	3	4	2	1	2	5	<1	1
16	55	4	6	9	3	4	2	1	2	2	<1	1
17	---	---	---	8	3	4	4	1	2	2	<1	1
18	---	---	---	6	3	4	3	1	2	4	<1	1
19	65	26	31	5	3	3	3	1	2	---	---	---
20	27	13	17	5	3	3	24	2	12	---	---	---
21	14	10	12	6	3	3	35	23	28	---	---	---
22	16	8	10	4	3	3	32	14	18	---	---	---
23	11	7	8	4	3	3	15	9	11	---	---	---
24	11	7	8	4	2	3	10	7	8	---	---	---
25	16	7	8	4	2	3	9	5	6	---	---	---
26	22	14	17	7	3	4	5	4	4	2	<1	<1
27	16	10	12	6	3	4	6	3	4	2	<1	<1
28	13	9	10	5	3	4	7	3	3	3	<1	1
29	14	8	8	6	3	3	6	2	3	2	1	1
30	---	---	---	38	3	5	7	2	3	2	<1	1
31	---	---	---	5	2	3	---	---	---	2	<1	1
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

14338000 ELK CREEK NEAR TRAIL, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

[illegible]

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR

LOCATION.--Lat 42°31'30", long 122°50'30", in SE ¼ sec.17, T.35 S., R.1 W., Jackson County, Hydrologic Unit 17100307, on right bank 50 ft upstream from Dodge Bridge, 0.7 mi downstream from Reese Creek, 4.3 mi northwest of Eagle Point, and at mile 138.6.

DRAINAGE AREA.--1,215 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1094: 1942(M), 1943, 1945(M), 1946. WSP 1738: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,271.99 ft above NGVD of 1929. Prior to Dec. 21, 1938, nonrecording gage, Dec. 21, 1938, to Aug. 15, 1968, water-stage recorder, at datum 2.27 ft higher, Aug. 16, 1968, to Sept. 30, 1976, water-stage recorder, at datum 1.00 ft higher.

REMARKS.--Records good. Flow regulated since February 1977 by Lost Creek Lake (station 14335040). Diversions for irrigation upstream from station; most of low flow of Big Butte Creek (station 14337500) is diverted near Butte Falls. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--39 years (water years 1939-77), 2,636 ft³/s, 1,910,000 acre-ft/yr. 27 years (water years 1978-2004), 2,386 ft³/s, 1,729,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 87,600 ft³/s Dec. 22, 1964, gage height, 12.78 ft, datum then in use, from rating curve extended above 23,000 ft³/s; minimum discharge, 567 ft³/s Feb. 18, 1977, result of closure of Lost Creek dam, minimum prior to that time, 611 ft³/s Aug. 6, 14, 29, Sept. 9, 1940.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft³/s Feb. 17, gage height, 6.68 ft; minimum discharge, 978 ft³/s Feb. 7, 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	1,040	1,270	3,560	4,180	4,160	2,410	2,250	2,540	2,460	1,710	2,000
2	1,050	1,060	1,190	3,100	3,890	3,810	2,370	2,850	2,600	2,320	1,710	2,000
3	1,050	1,060	1,140	2,400	3,050	3,170	2,350	3,060	2,790	2,240	1,780	2,010
4	1,050	1,070	1,130	1,980	2,390	2,960	2,340	3,160	2,790	2,140	1,800	2,020
5	1,050	1,020	1,250	1,850	2,090	3,150	2,330	3,170	2,780	2,030	1,810	2,020
6	1,050	1,010	2,780	1,950	1,970	3,090	2,260	2,960	2,790	1,890	1,820	2,020
7	1,050	993	2,340	2,270	2,090	2,890	2,070	2,660	2,820	1,790	1,820	2,000
8	1,050	1,010	2,330	2,950	2,010	2,790	2,030	2,880	2,820	1,710	1,820	1,990
9	1,050	1,020	2,280	3,460	1,900	e2,750	1,960	2,770	2,820	1,710	1,820	2,010
10	1,050	1,020	2,190	3,260	1,800	e2,650	1,870	2,610	2,820	1,720	1,810	2,010
11	1,060	1,020	2,110	2,640	1,670	2,500	1,860	2,510	2,810	1,720	1,820	2,010
12	1,070	1,030	2,710	2,540	1,550	2,410	1,880	2,500	2,810	1,700	1,830	2,020
13	1,080	1,040	5,840	2,460	1,410	2,330	2,000	2,470	2,810	1,700	1,830	2,020
14	1,100	992	7,060	2,460	1,380	2,270	1,970	2,330	2,800	1,700	1,830	1,930
15	1,070	1,010	4,420	2,710	1,430	2,220	1,810	2,270	2,860	1,710	1,820	1,840
16	1,060	1,030	3,560	2,380	1,810	2,220	1,820	2,330	2,960	1,710	1,820	1,760
17	1,060	1,130	3,340	2,100	8,060	2,190	1,850	2,350	2,960	1,720	1,810	1,670
18	1,050	1,090	3,320	1,970	6,940	2,200	1,820	3,080	2,950	1,720	1,820	1,600
19	1,060	1,050	2,700	2,090	4,120	2,170	1,830	3,410	2,950	1,710	1,810	1,530
20	1,040	1,080	2,580	2,320	3,080	2,140	1,970	3,060	2,930	1,710	1,810	1,410
21	1,040	1,060	2,590	2,130	2,630	2,110	2,480	2,900	2,930	1,710	1,810	1,320
22	1,050	1,040	2,350	1,990	2,360	2,120	2,590	2,760	2,940	1,710	1,840	1,220
23	1,050	1,030	2,100	2,010	2,410	2,130	2,270	2,680	2,950	1,720	1,840	1,100
24	1,050	1,020	2,560	3,390	2,650	2,240	2,100	2,470	2,950	1,720	1,840	1,080
25	1,050	1,020	2,820	3,040	2,730	2,530	2,000	2,350	2,940	1,720	1,830	1,100
26	1,050	1,030	2,640	2,820	3,230	2,590	1,950	2,340	2,930	1,720	1,840	1,100
27	1,030	1,040	2,430	3,900	3,110	2,620	1,910	2,430	2,830	1,720	2,010	1,090
28	1,050	1,030	2,300	4,660	2,970	2,580	1,890	3,120	2,740	1,710	2,010	1,070
29	1,050	1,280	4,170	5,130	2,780	2,530	1,960	3,370	2,620	1,720	2,010	1,080
30	1,060	1,540	3,210	5,590	---	2,540	2,120	3,080	2,540	1,720	2,000	1,090
31	1,050	---	2,400	4,850	---	2,470	---	2,850	---	1,720	2,000	---
TOTAL	32,680	31,865	85,110	89,960	81,690	80,530	62,070	85,030	84,780	56,000	57,130	49,120
MEAN	1,054	1,062	2,745	2,902	2,817	2,598	2,069	2,743	2,826	1,806	1,843	1,637
MAX	1,100	1,540	7,060	5,590	8,060	4,160	2,590	3,410	2,960	2,460	2,010	2,020
MIN	1,030	992	1,130	1,850	1,380	2,110	1,810	2,250	2,540	1,700	1,710	1,070
AC-FT	64,820	63,200	168,800	178,400	162,000	159,700	123,100	168,700	168,200	111,100	113,300	97,430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	1,275	1,867	3,041	2,956	2,560	2,598	2,741	2,951	2,582	2,165	2,173	1,721
MAX	1,931	4,925	9,909	9,857	6,045	4,645	4,520	4,658	3,939	3,777	3,092	2,200
(WY)	(1983)	(1985)	(1997)	(1997)	(1982)	(1989)	(1989)	(1996)	(1984)	(1999)	(1984)	(1983)
MIN	874	928	1,274	1,084	924	920	969	1,577	1,566	1,116	1,795	1,288
(WY)	(1993)	(1988)	(1990)	(2001)	(2001)	(1992)	(1992)	(1992)	(2001)	(1992)	(1994)	(1980)

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	788,465		795,965			
ANNUAL MEAN	2,160		2,175		2,386	
HIGHEST ANNUAL MEAN					4,012	1997
LOWEST ANNUAL MEAN					1,381	1992
HIGHEST DAILY MEAN	8,220	Mar 27	8,060	Feb 17	23,000	Dec 15, 1977
LOWEST DAILY MEAN	992	Nov 14	992	Nov 14	823	Feb 12, 1981
ANNUAL SEVEN-DAY MINIMUM	1,010	Nov 5	1,010	Nov 5	840	Oct 15, 2001
ANNUAL RUNOFF (AC-FT)	1,564,000		1,579,000		1,729,000	
10 PERCENT EXCEEDS	3,480		3,080		3,880	
50 PERCENT EXCEEDS	2,000		2,020		2,010	
90 PERCENT EXCEEDS	1,050		1,050		1,120	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR

Latitude: 42° 31 ' 30"

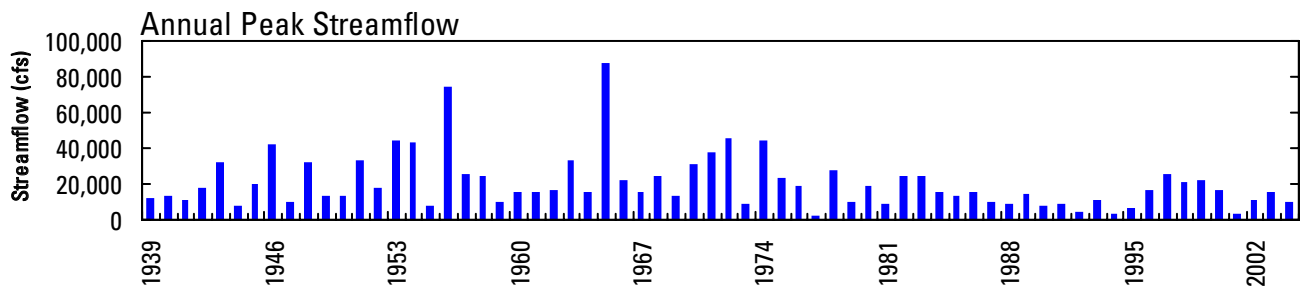
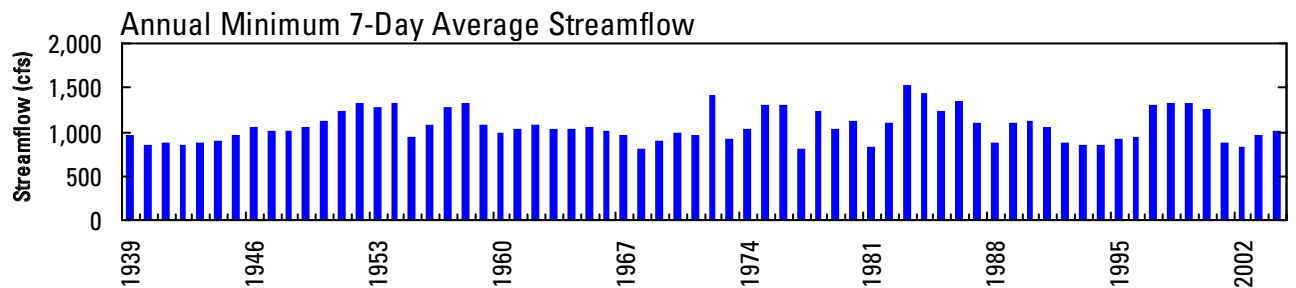
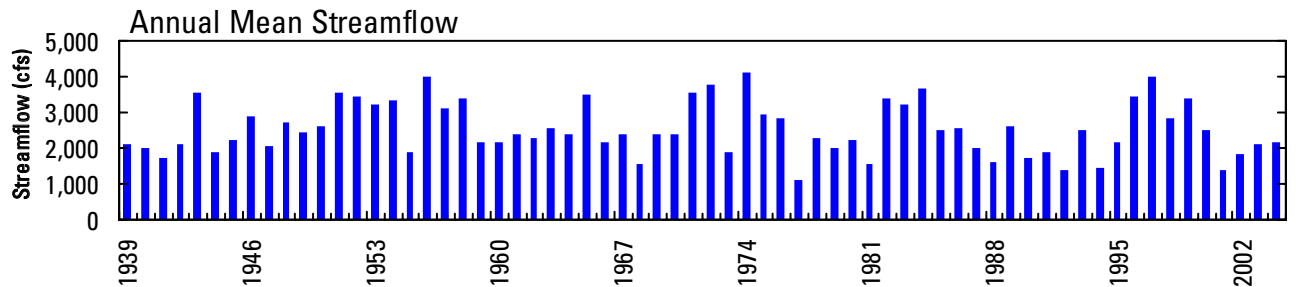
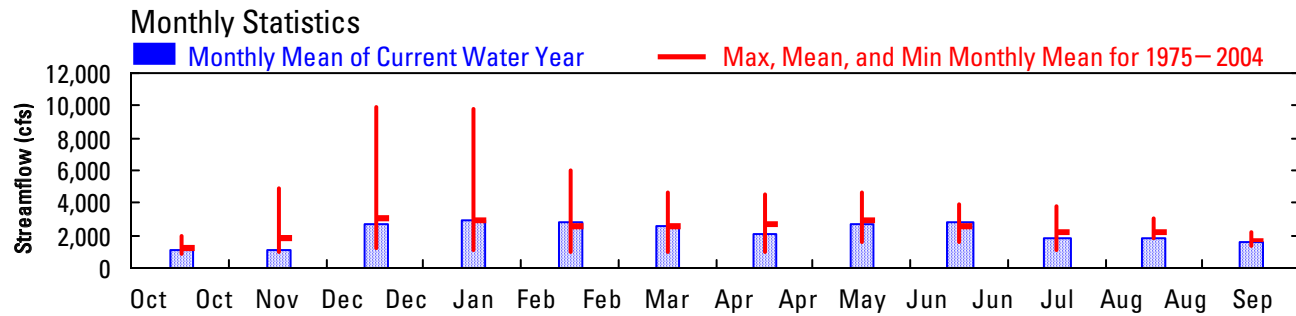
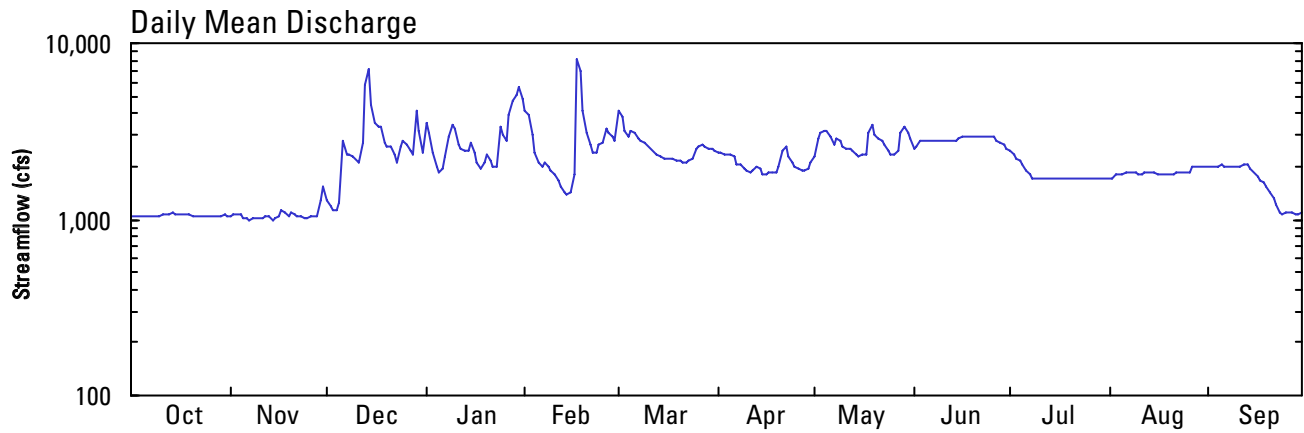
Longitude: 122° 50 ' 30"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1,271.99 feet

Drainage Area: 1,215 square miles



14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1973 to current year.

TURBIDITY: October 1999 to current year.

INSTRUMENTATION.--Water-quality monitor since August 1973.

REMARKS.--

WATER TEMPERATURE: Records good.

TURBIDITY: Records fair except for those greater than 40 FNU, which are poor. The probe was checked using a polymer bead standard. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Prior to construction of Lost Creek Dam and Lake: Maximum, 20.0°C July 27, 28, 1975; minimum, 0.0°C Jan. 6-8, 10, 11, 1974, Jan. 6-9, 1977. After full operation of Lost Creek Dam and Lake: Maximum, 21.0°C July 26-29, 1992; minimum, 0.5°C Feb. 5, 6, 1989.

TURBIDITY: Maximum recorded, 191 FNU Feb. 17, 2004; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 18.8°C Aug. 11; minimum, 3.6°C Jan. 22.

TURBIDITY: Maximum recorded, 191 FNU Feb. 17; minimum, <1 FNU many days during year.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12.5	8.3	10.4	7.3	4.2	5.8	7.6	6.8	7.2	5.5	4.5	5.0
2	12.6	8.3	10.5	6.6	5.3	6.0	7.6	6.3	7.0	5.3	4.0	4.8
3	11.9	8.3	10.2	7.8	5.6	6.6	8.4	6.8	7.5	5.5	4.6	5.1
4	11.3	8.6	10	6.5	5.3	6.1	7.4	6.4	6.9	5.7	4.5	5.1
5	12.5	8.4	10.4	7.8	5.5	6.5	7.8	7.0	7.4	6.0	4.6	5.3
6	12.3	8.5	10.4	6.9	5.5	6.3	8.6	7.0	7.7	6.0	5.1	5.5
7	12.2	9.0	10.7	8.1	5.7	7.0	7.5	6.5	7.1	6.3	5.0	5.7
8	11.0	8.0	9.6	7.8	6.2	7.0	7.5	6.2	6.8	6.6	5.5	6.0
9	10.4	7.9	9.1	8.1	6.2	7.1	7.0	6.3	6.6	6.5	5.7	6.1
10	10.2	6.8	8.5	8.2	6.4	7.4	7.2	6.2	6.6	6.6	5.4	6.1
11	8.7	6.4	7.4	8.3	6.8	7.4	7.4	6.3	6.8	6.6	5.0	5.8
12	9.7	6.9	8.2	8.1	6.0	7.1	6.9	6.4	6.7	6.4	5.0	5.7
13	9.4	5.4	7.6	7.5	5.0	6.4	8.2	6.8	7.4	6.6	5.0	5.9
14	10.1	7.0	8.6	7.1	5.3	6.3	7.6	6.0	6.5	6.8	5.9	6.3
15	8.6	6.7	7.4	7.8	6.1	6.9	6.8	5.8	6.2	7.3	6.0	6.7
16	10.4	6.9	8.5	7.5	6.7	7.0	6.8	5.6	6.2	6.9	5.8	6.4
17	10.0	6.6	8.4	7.9	6.5	7.3	7.0	5.8	6.4	6.1	4.9	5.5
18	10.2	6.5	8.4	8.5	6.9	7.6	6.7	5.4	6.0	6.7	5.5	6.1
19	9.3	7.0	8.2	7.5	6.2	6.8	6.8	5.4	6.1	6.8	6.0	6.4
20	9.0	7.3	8.2	7.4	6.0	6.7	7.1	6.3	6.7	6.5	5.2	5.8
21	10.1	6.8	8.4	7.3	5.9	6.6	7.1	6.1	6.5	5.7	4.3	5.0
22	9.6	7.0	8.4	7.0	4.8	5.9	6.6	5.7	6.1	5.4	3.6	4.7
23	9.5	6.5	8.2	6.4	4.3	5.3	6.9	5.8	6.4	5.7	4.5	5.0
24	8.8	5.8	7.5	7.3	5.3	6.1	7.0	6.1	6.6	6.4	5.3	5.8
25	9.0	5.8	7.6	6.4	5.3	5.8	6.8	5.8	6.2	6.0	4.8	5.4
26	9.4	6.4	8.0	7.6	5.6	6.4	6.2	5.1	5.6	5.4	4.7	5.1
27	9.3	6.3	8.0	6.4	4.8	5.7	6.3	4.9	5.5	6.2	4.8	5.5
28	9.6	6.6	8.2	7.6	5.7	6.6	6.0	4.8	5.7	6.4	5.6	5.9
29	8.8	7.0	7.9	7.3	6.8	7.0	5.2	4.3	4.7	6.8	5.7	6.2
30	8.6	5.8	7.2	7.8	6.8	7.2	6.2	4.9	5.4	6.4	5.5	6.0
31	7.5	4.8	6.2	---	---	---	5.8	5.0	5.3	6.1	5.0	5.5
MONTH	12.6	4.8	8.6	8.5	4.2	6.6	8.6	4.3	6.4	7.3	3.6	5.7

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.4	5.1	5.8	6.8	5.3	5.9	9.6	5.9	7.5	13.6	9.1	11.0
2	6.4	5.3	5.9	7.7	5.7	6.6	10.1	6.3	8.0	13.2	9.0	10.8
3	6.7	5.1	5.8	6.2	5.0	5.7	10.8	6.9	8.6	13.2	9.3	10.8
4	6.9	5.3	6.1	6.9	5.5	6.1	10.8	7.2	8.7	12.7	9.0	10.5
5	6.4	4.7	5.6	6.5	5.5	5.9	9.1	7.8	8.3	12.5	9.1	10.5
6	6.1	5.0	5.6	8.0	5.6	6.7	10.0	7.4	8.5	11.8	8.8	10.1
7	6.7	5.1	5.8	8.4	5.6	6.9	10.8	7.1	8.6	11.7	8.8	10
8	6.2	4.4	5.3	8.8	5.9	7.2	11.5	7.1	9.0	12.0	9.1	10.4
9	6.2	3.7	4.9	---	6.1	---	11.7	7.3	9.3	11.2	9.2	10.2
10	6.3	3.8	5.0	8.6	---	---	11.9	7.5	9.4	10.8	9.1	10.0
11	6.5	3.8	5.2	8.7	5.5	7.0	11.9	7.6	9.6	11.4	8.8	10.1
12	6.5	3.8	5.2	8.9	5.6	7.2	11.9	7.9	9.7	13.6	8.8	11.0
13	5.7	3.9	4.9	9.0	5.8	7.3	10.7	8.2	9.3	14.1	9.6	11.4
14	6.5	5.0	5.7	9.4	6.4	7.7	10.7	7.5	8.9	14.4	9.7	11.6
15	6.6	4.9	5.8	9.2	6.0	7.4	9.8	7.4	8.6	12.7	10.0	11.3
16	6.7	5.6	6.1	9.6	6.0	7.5	10.8	7.7	9.1	13.8	10.1	11.7
17	7.4	5.7	6.5	9.7	5.9	7.6	11.6	7.7	9.3	12.6	10.2	11.4
18	7.7	6.7	7.1	9.8	6.4	7.8	9.7	8.1	8.8	11.3	9.6	10.5
19	7.6	5.9	6.7	9.4	6.2	7.5	9.6	7.6	8.7	12.4	9.2	10.7
20	6.9	4.6	5.9	9.4	5.6	7.4	9.4	7.6	8.5	13.8	10.3	11.7
21	6.8	5.6	6.2	9.7	6.3	7.9	9.7	7.9	8.7	14.2	10.7	12.2
22	7.0	5.6	6.3	10.5	7.0	8.5	11.5	7.6	9.3	12.4	10.2	11.3
23	7.9	5.8	6.7	10.1	7.5	8.6	11.2	8.3	9.8	14.1	9.0	11.6
24	7.5	5.6	6.4	8.9	7.0	7.8	12.7	8.1	10.2	15.0	10.3	12.3
25	6.8	5.5	6.1	7.9	6.3	7.2	13.4	8.6	10.8	15.3	10.9	12.6
26	7.0	5.5	6.2	8.5	6.0	7.2	14.1	9.0	11.4	14.6	10.8	12.4
27	6.8	5.5	6.2	9.5	6.3	7.7	14.4	9.4	11.6	12.1	10.5	11.4
28	7.3	5.3	6.3	10.3	6.2	8.0	13.2	8.8	10.8	12.4	10.7	11.4
29	6.4	5.4	5.9	9.8	6.4	8.1	13.5	8.8	10.7	12.5	9.8	11.0
30	---	---	---	8.4	6.3	7.6	13.8	8.6	11.0	14.4	10.0	11.8
31	---	---	---	8.8	5.9	7.1	---	---	---	14.3	10.3	12.0
MONTH	7.9	3.7	5.9	10.5	5.0	7.3	14.4	5.9	9.4	15.3	8.8	11.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.9	10.3	12.2	16.1	11.2	13.5	17.9	11.5	14.9	16.8	12.9	14.6
2	15.0	10.6	12.4	16.4	10.8	13.6	17.6	11.9	14.6	15.9	12.1	13.9
3	15.0	10.4	12.5	16.7	11.3	13.9	17.5	11.6	14.5	16.6	12.1	14.1
4	15.5	10.5	12.7	17.0	11.5	14.1	17.7	12.2	14.7	16.9	12.5	14.3
5	14.2	10.6	12.1	17.1	11.6	14.1	16.7	11.9	14.5	17.1	12.5	14.4
6	13.7	10.2	11.7	17.6	11.3	14.2	16.5	12.6	14.4	17.1	12.5	14.5
7	12.5	9.8	11.2	17.2	11.8	14.3	18.0	12.7	14.9	16.5	12.1	14.1
8	11.8	9.9	10.9	17.2	11.0	14.0	17.9	12.2	15.0	16.1	12.0	13.7
9	11.5	10.2	10.8	17.3	11.4	14.1	18.2	13.0	15.3	16.0	11.6	13.5
10	13.2	10.4	11.6	17.2	11.5	14.1	18.4	12.8	15.4	16.1	11.6	13.5
11	14.2	11.0	12.2	17.5	11.2	14.2	18.8	12.5	15.5	15.1	11.8	13.3
12	13.6	10.8	11.9	17.8	12.1	14.6	18.4	12.9	15.6	14.6	12.1	13.2
13	14.4	11.1	12.5	18.0	12.2	14.7	18.7	13.0	15.7	14.4	11.7	12.8
14	15.0	10.8	12.4	17.9	12.1	14.8	18.6	13.1	15.8	15.0	11.1	12.9
15	15.2	10.5	12.5	17.9	12.2	14.8	18.5	12.4	15.5	13.6	11.9	12.8
16	15.9	10.8	12.9	18.0	12.2	14.7	18.0	12.9	15.3	15.4	11.5	13.2
17	15.2	10.8	12.8	17.1	11.9	14.4	18.2	12.6	15.2	13.0	10.6	11.7
18	15.4	10.9	12.8	16.0	11.6	13.7	17.8	12.8	15.1	12.7	10.2	11.3
19	15.6	10.8	12.9	16.8	12.0	14.1	18.2	12.9	15.4	13.1	9.7	11.2
20	15.5	10.8	12.9	17.9	12.1	14.5	18.4	13.0	15.4	13.5	9.8	11.5
21	15.8	11.1	13.1	17.8	11.6	14.6	17.0	12.5	14.8	14.3	9.4	11.6
22	15.6	10.7	13.0	17.4	10.8	14.2	15.7	13.3	14.3	14.3	9.5	11.7
23	15.3	10.6	12.8	17.3	11.1	14.2	16.1	13.2	14.5	13.7	9.0	11.4
24	15.5	10.5	13.0	17.4	11.6	14.3	16.4	13.3	14.6	13.5	9.3	11.5
25	15.5	10.6	13.0	17.8	11.2	14.4	16.3	13.0	14.4	13.5	8.9	11.3
26	15.7	11.1	12.9	17.5	11.0	14.2	16.1	13.2	14.5	13.1	9.2	11.0
27	15.7	10.9	13.0	17.5	10.9	14.2	17.4	12.9	14.8	13.3	8.3	10.8
28	15.9	11.0	13.2	17.8	11.4	14.4	17.8	12.9	15.1	13.2	8.7	11.1
29	15.4	10.9	12.9	17.6	11.5	14.5	17.7	13.2	15.2	12.7	8.8	10.6
30	15.8	11.2	13.3	17.6	11.7	14.6	17.5	12.6	14.9	12.9	9.3	10.8
31	---	---	---	17.8	11.7	14.7	16.9	12.7	14.6	---	---	---
MONTH	15.9	9.8	12.5	18.0	10.8	14.3	18.8	11.5	15.0	17.1	8.3	12.5

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1	<1	<1	<1	<1	<1	27	5	18
2	---	---	---	<1	<1	<1	<1	<1	<1	19	8	10
3	---	---	---	<1	<1	<1	1	<1	<1	8	5	6
4	---	---	---	<1	<1	<1	<1	<1	<1	6	4	5
5	---	---	---	<1	<1	<1	1	<1	<1	4	4	4
6	---	---	---	<1	<1	<1	---	---	---	4	3	4
7	---	---	---	<1	<1	<1	15	4	6	6	4	5
8	---	---	---	<1	<1	<1	6	4	4	11	5	8
9	---	---	---	<1	<1	<1	4	2	3	16	10	13
10	---	---	---	<1	<1	<1	3	2	2	17	8	12
11	---	---	---	<1	<1	<1	2	2	2	9	6	7
12	---	---	---	<1	<1	<1	25	2	2	6	6	6
13	---	---	---	<1	<1	<1	87	25	56	6	5	5
14	---	---	---	<1	<1	<1	159	18	39	8	5	5
15	---	---	---	<1	<1	<1	19	9	11	7	5	6
16	---	---	---	<1	<1	<1	9	6	7	5	4	5
17	---	---	---	<1	<1	<1	6	4	5	5	3	4
18	---	---	---	3	<1	<1	6	4	4	4	3	3
19	---	---	---	<1	<1	<1	4	3	4	4	3	3
20	---	---	---	<1	<1	<1	4	3	4	4	4	4
21	---	---	---	<1	<1	<1	4	3	4	4	3	3
22	<1	<1	<1	<1	<1	<1	6	3	4	3	2	3
23	<1	<1	<1	<1	<1	<1	6	3	3	7	2	2
24	<1	<1	<1	<1	<1	<1	9	3	4	14	7	12
25	<1	<1	<1	<1	<1	<1	8	5	6	10	5	7
26	<1	<1	<1	1	<1	<1	6	3	4	5	4	4
27	<1	<1	<1	<1	<1	<1	4	3	3	7	4	5
28	1	<1	<1	<1	<1	<1	6	2	3	19	5	6
29	---	---	---	2	<1	<1	38	6	22	17	8	10
30	<1	<1	<1	1	<1	<1	16	6	8	20	8	14
31	<1	<1	<1	---	---	---	6	5	5	11	6	7
MAX	---	---	---	3	<1	<1	---	---	---	27	10	18
MIN	---	---	---	<1	<1	<1	---	---	---	3	2	2
FEBRUARY				MARCH			APRIL			MAY		
1	6	4	5	28	4	14	4	1	2	2	1	2
2	4	4	4	16	8	10	4	<1	1	4	1	2
3	4	3	4	9	6	7	4	<1	1	3	2	2
4	3	3	3	7	4	5	3	<1	1	3	2	2
5	3	2	3	6	4	5	2	<1	1	3	1	2
6	3	2	2	6	4	5	3	<1	2	---	---	---
7	3	2	3	6	3	4	2	1	2	3	1	1
8	3	2	3	6	3	4	3	<1	1	3	1	1
9	3	2	2	---	---	---	3	<1	1	4	1	1
10	2	2	2	---	---	---	2	<1	<1	2	<1	1
11	4	2	2	3	2	2	2	<1	<1	2	1	1
12	3	2	2	3	2	2	1	<1	<1	3	<1	1
13	3	2	2	2	2	2	2	<1	<1	3	<1	1
14	4	2	2	2	1	2	1	<1	<1	3	<1	1
15	4	2	3	2	1	2	1	<1	<1	2	<1	1
16	24	2	2	2	2	2	2	<1	<1	2	<1	1
17	191	24	133	2	2	2	2	<1	<1	2	<1	1
18	182	26	60	2	2	2	<1	<1	<1	5	<1	2
19	27	13	19	2	2	2	<1	<1	<1	5	2	3
20	14	10	11	2	1	2	<1	<1	<1	3	1	2
21	10	7	8	3	2	2	1	<1	<1	3	<1	1
22	8	6	6	2	1	2	---	---	---	2	<1	1
23	6	5	5	2	1	2	---	---	---	3	<1	1
24	6	4	5	2	1	1	---	---	---	2	<1	1
25	5	4	4	2	1	2	---	---	---	1	<1	<1
26	8	5	7	3	1	2	3	1	2	2	<1	1
27	10	5	6	2	1	2	2	1	2	2	<1	<1
28	6	5	5	2	1	2	2	1	2	2	<1	1
29	5	4	4	4	1	2	2	1	2	3	<1	1
30	---	---	---	3	1	2	4	1	2	2	<1	1
31	---	---	---	3	1	2	---	---	---	3	<1	<1
MAX	191	26	133	---	---	---	---	---	---	---	---	---
MIN	2	2	2	---	---	---	---	---	---	---	---	---

14339000 ROGUE RIVER AT DODGE BRIDGE, NEAR EAGLE POINT, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3	<1	<1	2	<1	<1	3	<1	1	2	1	1
2	1	<1	<1	2	<1	<1	2	<1	1	3	1	1
3	1	<1	<1	2	<1	<1	2	<1	1	2	<1	1
4	2	<1	<1	2	<1	<1	2	<1	1	2	<1	1
5	2	<1	<1	2	<1	<1	2	<1	1	2	<1	1
6	2	<1	<1	2	<1	<1	2	<1	1	3	1	1
7	2	<1	<1	1	<1	<1	3	<1	1	3	<1	1
8	3	<1	1	2	<1	1	2	<1	1	2	<1	1
9	2	<1	1	3	<1	<1	2	<1	1	2	<1	1
10	2	<1	1	2	<1	1	2	<1	1	3	1	1
11	2	<1	1	2	<1	1	2	<1	1	2	<1	1
12	3	<1	1	2	<1	1	2	1	2	3	<1	1
13	2	<1	1	2	<1	1	2	1	2	3	<1	1
14	2	<1	1	2	<1	1	2	1	2	3	<1	1
15	2	<1	1	2	1	2	3	1	2	4	<1	1
16	3	<1	2	3	1	2	3	1	2	3	<1	1
17	2	1	2	3	1	2	3	1	2	2	<1	1
18	2	<1	1	3	<1	1	2	1	2	2	<1	1
19	2	<1	1	---	---	---	2	1	2	2	<1	1
20	2	<1	1	---	---	---	2	1	2	3	<1	1
21	2	<1	<1	---	---	---	3	1	1	3	<1	<1
22	2	<1	<1	---	---	---	2	1	2	3	<1	<1
23	1	<1	<1	4	<1	2	2	1	2	2	<1	<1
24	---	---	---	4	1	2	3	1	2	1	<1	<1
25	2	<1	<1	8	2	3	2	1	2	2	<1	<1
26	2	<1	<1	6	<1	4	3	<1	1	2	<1	<1
27	2	<1	<1	3	<1	1	---	---	---	2	<1	<1
28	2	<1	<1	3	<1	1	3	<1	1	2	<1	<1
29	2	<1	<1	2	<1	1	2	1	2	2	<1	<1
30	1	<1	<1	2	<1	1	2	1	2	2	<1	<1
31	---	---	---	2	<1	1	2	<1	1	---	---	---
MAX	---	---	---	---	---	---	---	---	---	4	1	1
MIN	---	---	---	---	---	---	---	---	---	1	<1	<1

14353000 WEST FORK ASHLAND CREEK, NEAR ASHLAND, OR

LOCATION.--Lat 42°08'56", long 122°42'56" near line between NW ¼ SW ¼ sec.28, T.39 S., R.1 E., Jackson County, Hydrologic Unit 17100308, in Rogue River National Forest, on left bank 0.3 mi upstream from city diversion, 2.5 mi south of Ashland, and at mile 0.4.

DRAINAGE AREA.--10.5 mi², at diversion dam 0.3 mi downstream.

PERIOD OF RECORD.--September 1924 to January 1933, water years 1954-60, 1963, annual maximum; December 1974 to September 1982, Oct. 2002 to current year. Monthly discharge only for some periods published in WSP 1318.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2,962.75 ft above NGVD of 1929. Sept. 10, 1924 to Jan. 31, 1933, water-stage recorder at site about 0.2 mi upstream at different datum. Oct. 14, 1953 to Sept. 30, 1963, crest-stage gage at diversion dam 0.3 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion above station.

AVERAGE DISCHARGE.--17 years (water years 1925-32, 1976-82, 2003-04), 9.34 ft³/s, 12.09 in/yr, 6,770 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 330 ft³/s Dec. 2, 1962, gage height, 15.51 ft, site and datum then in use, from rating curve defined by computation of peak flow over dam; minimum, 1.3 ft³/s Aug. 29, 1931, Sept. 8, 9, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 6	0600	51	0.84	Feb 17	1530	*151	*1.42

Minimum discharge, 1.8 ft³/s, Oct. 3, 6-8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	5.8	11	6.9	11	13	13	19	23	10	3.7	2.6
2	2.4	6.3	8.8	6.5	11	12	12	20	23	9.5	4.4	2.6
3	2.3	6.5	8.6	5.8	9.7	11	12	22	23	9.2	4.2	2.7
4	2.2	6.4	8.3	5.6	9.3	10	13	23	23	8.8	3.8	2.7
5	2.2	6.9	11	5.5	8.7	11	14	23	23	8.4	3.6	2.6
6	2.1	7.0	23	6.5	9.0	11	14	23	23	7.9	3.5	2.6
7	2.1	7.4	11	6.8	8.6	12	14	23	23	7.8	3.4	2.5
8	2.1	11	8.3	12	8.0	15	14	23	22	7.5	3.1	2.4
9	2.7	8.6	7.5	21	7.7	18	14	22	21	7.3	2.9	2.4
10	3.3	7.3	7.2	18	7.6	17	14	24	20	7.1	2.9	2.3
11	3.6	7.4	6.7	15	7.5	16	15	23	20	6.7	2.8	2.3
12	3.7	7.2	11	15	7.3	16	16	22	19	6.4	2.7	2.4
13	3.6	6.8	14	16	7.1	15	17	22	18	6.1	2.6	2.7
14	3.5	7.1	16	19	6.9	15	16	21	18	e5.9	2.5	2.6
15	3.6	7.2	8.9	20	6.8	16	15	21	17	e5.6	2.7	2.5
16	3.7	7.2	e8.3	17	14	15	15	21	17	5.5	2.7	2.5
17	3.6	7.5	e7.7	14	7.7	15	15	23	16	5.3	2.6	2.4
18	3.6	7.1	e8.5	13	6.7	16	15	30	16	5.1	2.6	2.8
19	3.7	7.5	e9.5	14	40	15	15	27	16	5.5	2.5	2.9
20	3.7	8.0	10	13	28	14	16	25	15	5.3	2.5	4.6
21	e3.9	7.8	8.4	12	22	16	15	25	14	5.0	2.4	3.3
22	e4.3	7.3	7.3	11	18	18	15	25	14	4.7	4.8	2.9
23	4.7	7.6	7.0	12	15	18	15	24	14	4.4	4.0	2.7
24	4.5	7.8	22	14	13	16	15	23	13	4.3	3.7	2.6
25	4.5	7.6	14	12	15	16	16	22	13	4.6	3.8	2.6
26	4.4	7.9	10	11	16	14	17	23	12	4.3	4.1	2.7
27	4.4	7.8	8.3	11	15	13	19	24	12	4.2	3.6	2.6
28	4.7	8.2	7.4	11	14	13	18	26	11	4.0	3.2	2.5
29	5.5	13	7.5	12	13	14	17	24	11	4.0	3.0	2.6
30	5.6	11	6.6	13	---	15	18	23	10	4.0	2.8	2.6
31	5.6	---	6.3	11	---	13	---	23	---	3.9	2.6	---
TOTAL	112.1	232.2	310.1	380.6	493.2	449	454	719	520	188.3	99.7	80.2
MEAN	3.62	7.74	10.0	12.3	17.0	14.5	15.1	23.2	17.3	6.07	3.22	2.67
MAX	5.6	13	23	21	7.7	18	19	30	23	10	4.8	4.6
MIN	2.1	5.8	6.3	5.5	6.8	10	12	19	10	3.9	2.4	2.3
AC-FT	222	461	615	755	978	891	901	1,430	1,030	373	198	159
CFSM	0.34	0.74	0.95	1.17	1.62	1.38	1.44	2.21	1.65	0.58	0.31	0.25
IN.	0.40	0.82	1.10	1.35	1.75	1.59	1.61	2.55	1.84	0.67	0.35	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

	3.55	6.13	9.13	9.20	11.6	12.1	13.6	19.1	16.0	6.48	3.70	3.29
MEAN												
MAX	8.36	15.0	39.0	20.6	25.6	23.6	24.1	32.3	34.8	13.2	6.44	7.48
(WY)	(1925)	(1982)	(1982)	(1982)	(1925)	(1982)	(1925)	(1927)	(1975)	(1927)	(1976)	(1978)
MIN	2.40	2.44	2.90	2.81	2.47	2.84	4.52	4.54	3.18	2.09	1.57	1.82
(WY)	(1932)	(1930)	(1932)	(1977)	(1977)	(1977)	(1977)	(1931)	(1931)	(1926)	(1931)	(1926)

14353000 WEST FORK ASHLAND CREEK, NEAR ASHLAND, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004	
ANNUAL TOTAL	5,021.1		4,038.4		9.34	
ANNUAL MEAN	13.8		11.0		17.9	
HIGHEST ANNUAL MEAN					3.26	
LOWEST ANNUAL MEAN					112	
HIGHEST DAILY MEAN	49	May 30	77	Feb 17	1982	
LOWEST DAILY MEAN	2.0	Sep 25	2.1	Oct 6	1931	
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 23	2.2	Oct 2	1.4	
ANNUAL RUNOFF (AC-FT)	9,960		8,010		1.4	
ANNUAL RUNOFF (CFSM)	1.31		1.05		6,770	
ANNUAL RUNOFF (INCHES)	17.79		14.31		0.889	
10 PERCENT EXCEEDS	26		22		12.09	
50 PERCENT EXCEEDS	11		8.9		21	
90 PERCENT EXCEEDS	3.2		2.7		5.8	
					2.5	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14353000 WEST FORK ASHLAND CREEK, NEAR ASHLAND, OR

Latitude: 42° 08 ' 56"

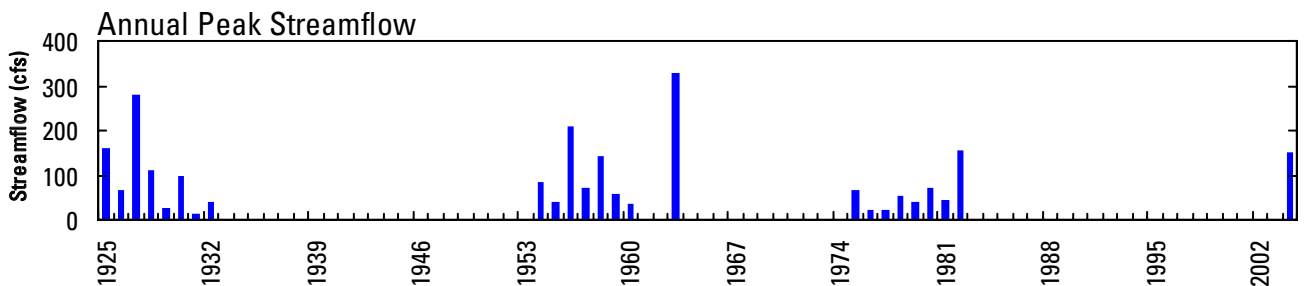
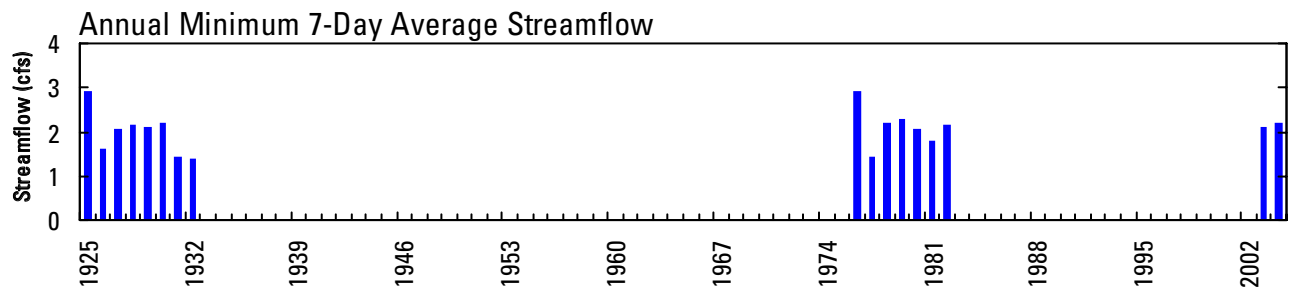
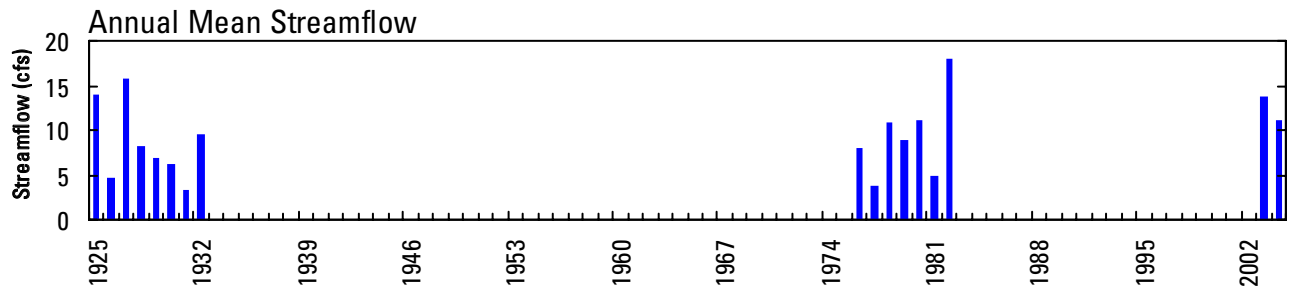
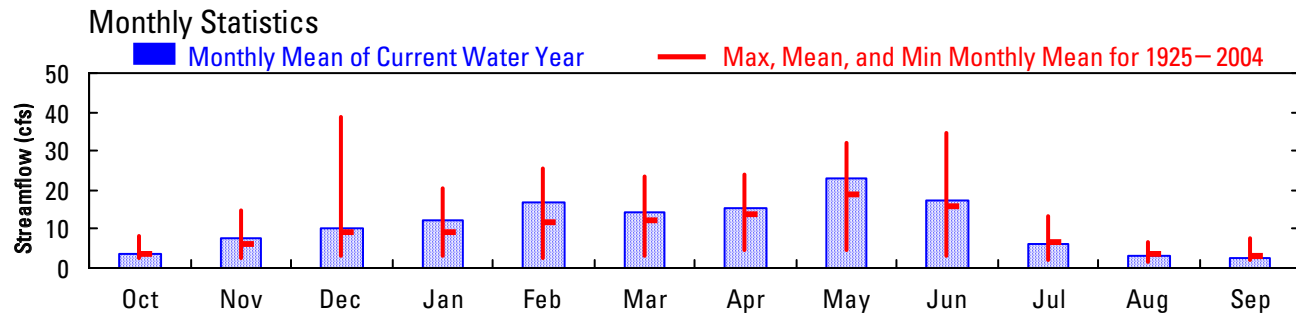
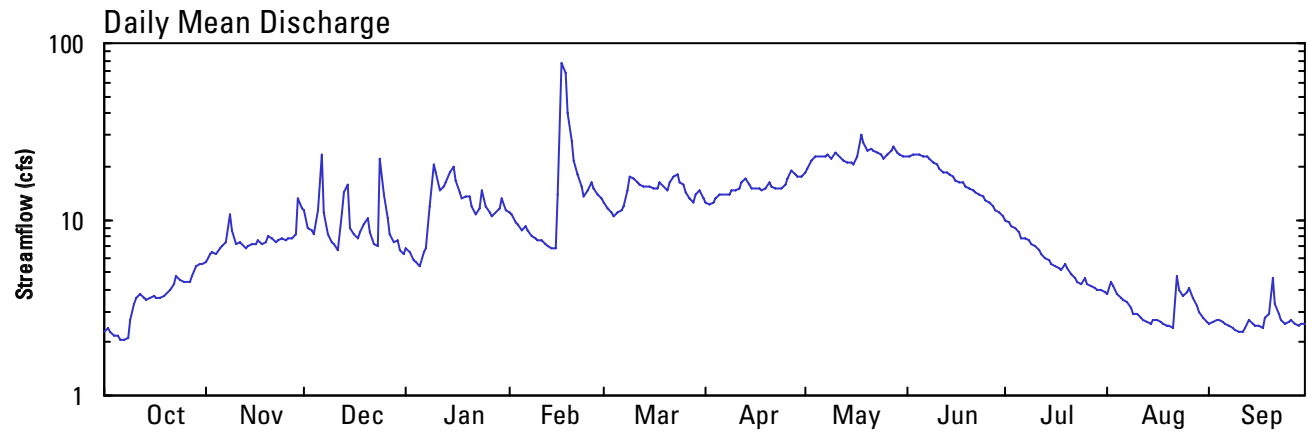
Longitude: 122° 42 ' 56"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 2,962.75 feet

Drainage Area: 10.5 square miles



14353500 EAST FORK ASHLAND CREEK, NEAR ASHLAND, OR

LOCATION.--Lat 42°09'10", long 122°42'30" near line between NE ¼ NW ¼ sec.28, T.39 S., R.1 E., Jackson County, Hydrologic Unit 17100308, in Rogue River National Forest, on left bank 0.1 mi upstream from city diversion dam, 2.5 mi south of Ashland, and at mile 0.2.

DRAINAGE AREA.--8.14 mi², at diversion dam 0.1 mi downstream.

PERIOD OF RECORD.--September 1924 to January 1933, water years 1954-60, 1963, annual maximum; December 1974 to September 1982, Oct. 2002 to September 2003.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2,903.70 ft above NGVD of 1929. Sept. 10, 1924 to Jan. 31, 1933, water-stage recorder at site about 200 ft downstream at different datum. Oct. 19, 1953 to Sept. 30, 1963, crest-stage gage at diversion dam 0.1 mi downstream at different datum.

REMARKS.--Records fair. No regulation or diversion.

AVERAGE DISCHARGE.--17 years (water years 1925-32, 1976-82, 2003-04), 9.64 ft³/s, 16.09 in/yr, 6,990 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 335 ft³/s Dec. 2, 1962, gage height, 5.42 ft, site and datum then in use, from rating curve defined by computation of peak flow over dam; minimum, 0.47 ft³/s Mar. 14, 1977, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 15, 1974, is the highest since at least 1925. Discharge, 5,630 ft³/s by slope-area measurement of peak flow, gage height, 10.2 ft from floodmarks. Peak believed to be affected by release from debris dams breaking upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 17	1600	*114	*2.97				
						No other peak greater than base discharge.	

Minimum discharge, 2.1 ft³/s, Sept. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	4.2	8.3	4.6	6.8	13	14	17	22	14	4.3	3.4
2	2.8	4.6	6.6	4.4	6.6	e11	13	19	22	14	4.8	3.5
3	2.7	4.8	6.1	4.1	6.0	9.9	14	20	23	13	4.9	3.5
4	2.7	4.8	5.9	4.1	5.7	9.7	15	21	27	12	4.7	3.3
5	2.7	5.0	10	3.9	5.3	10	15	21	28	11	4.6	3.0
6	2.8	5.3	17	4.2	5.5	10	15	20	26	11	4.5	2.6
7	2.8	5.6	7.5	4.3	5.3	10	15	21	e26	10	4.3	2.6
8	2.9	8.7	5.6	8.0	4.9	12	15	21	e25	9.9	4.1	2.7
9	3.1	7.2	5.1	15	4.8	16	15	20	e25	9.5	3.9	2.5
10	3.3	5.8	4.7	12	4.7	17	15	22	e24	9.2	3.9	e2.4
11	3.3	5.7	4.4	10	4.6	17	16	20	e23	9.0	3.7	e2.5
12	3.3	5.4	6.7	10	4.6	18	16	19	e22	8.5	3.7	e2.6
13	3.3	5.1	10	10	4.5	18	16	18	e21	8.1	3.5	e2.8
14	3.2	5.1	12	12	4.5	19	15	17	e20	7.7	3.3	e2.6
15	3.2	5.3	6.5	13	4.6	19	14	17	20	7.4	3.1	e2.6
16	3.2	5.4	5.4	11	11	18	14	17	21	7.2	3.0	e2.6
17	3.2	5.4	5.1	9.8	66	18	14	19	21	6.8	2.9	e2.5
18	3.2	5.1	5.1	9.0	70	20	13	21	21	6.7	3.4	e2.9
19	3.2	5.2	5.9	9.2	44	20	14	20	21	7.1	3.0	e3.4
20	3.2	5.5	7.0	9.1	33	19	16	19	19	6.6	3.1	e4.7
21	3.2	5.2	5.4	7.8	25	21	14	20	17	6.3	3.2	e3.3
22	3.2	4.5	5.0	7.1	21	23	14	20	18	6.0	5.0	e2.9
23	3.7	5.0	4.9	7.3	18	23	14	20	16	5.8	4.4	e2.7
24	3.5	5.0	15	8.7	15	20	14	20	16	5.7	4.0	e2.6
25	3.4	5.0	8.8	7.0	16	19	15	20	15	5.7	4.1	e2.7
26	3.5	5.1	6.5	6.7	18	17	17	22	15	5.4	4.0	e2.7
27	3.5	5.0	5.5	6.5	16	16	19	24	14	5.3	3.5	e2.6
28	3.6	5.3	5.2	6.6	14	15	18	23	14	5.2	3.2	2.5
29	4.0	8.4	5.1	7.3	13	17	17	22	14	5.1	3.1	2.5
30	4.3	8.4	4.7	8.2	---	17	17	22	14	4.9	3.6	2.6
31	4.2	---	4.4	7.0	---	15	---	22	---	4.7	3.5	---
TOTAL	100.9	166.1	215.4	247.9	458.4	507.6	453	624	610	248.8	118.3	85.8
MEAN	3.25	5.54	6.95	8.00	15.8	16.4	15.1	20.1	20.3	8.03	3.82	2.86
MAX	4.3	8.7	17	15	70	23	19	24	28	14	5.0	4.7
MIN	2.7	4.2	4.4	3.9	4.5	9.7	13	17	14	4.7	2.9	2.4
AC-FT	200	329	427	492	909	1,010	899	1,240	1,210	493	235	170
CFSM	0.40	0.68	0.85	0.98	1.94	2.01	1.86	2.47	2.50	0.99	0.47	0.35
IN.	0.46	0.76	0.98	1.13	2.09	2.32	2.07	2.85	2.79	1.14	0.54	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

	MEAN	3.34	6.11	9.43	8.72	11.6	11.9	12.6	19.5	18.9	8.29	3.98	3.22
MAX		6.79	16.1	42.9	20.4	30.8	24.7	23.1	34.1	51.1	17.7	6.65	6.65
(WY)		(1925)	(1982)	(1982)	(1980)	(1982)	(1982)	(1925)	(1927)	(1975)	(1927)	(1975)	(1978)
MIN		2.06	2.67	2.74	2.74	2.52	2.77	3.68	5.44	4.03	2.08	1.45	1.67
(WY)		(1978)	(1930)	(1932)	(1977)	(1977)	(1977)	(1977)	(1977)	(1931)	(1931)	(1931)	(1931)

14353500 EAST FORK ASHLAND CREEK, NEAR ASHLAND, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004	
ANNUAL TOTAL	4,654.5		3,836.2			
ANNUAL MEAN	12.8		10.5		9.64	
HIGHEST ANNUAL MEAN					19.2	1982
LOWEST ANNUAL MEAN					3.18	1977
HIGHEST DAILY MEAN	44	May 30	70	Feb 18	130	Dec 19, 1981
LOWEST DAILY MEAN	2.6	Sep 25	2.4	Sep 10	1.0	Aug 29, 1931
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 23	2.6	Sep 6	1.0	Aug 29, 1931
ANNUAL RUNOFF (AC-FT)	9,230		7,610		6,990	
ANNUAL RUNOFF (CFSM)	1.57		1.29		1.18	
ANNUAL RUNOFF (INCHES)	21.27		17.53		16.09	
10 PERCENT EXCEEDS	26		21		21	
50 PERCENT EXCEEDS	8.8		7.1		6.0	
90 PERCENT EXCEEDS	3.3		3.1		2.5	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14353500 EAST FORK ASHLAND CREEK, NEAR ASHLAND, OR

Latitude: 42° 09 ' 10"

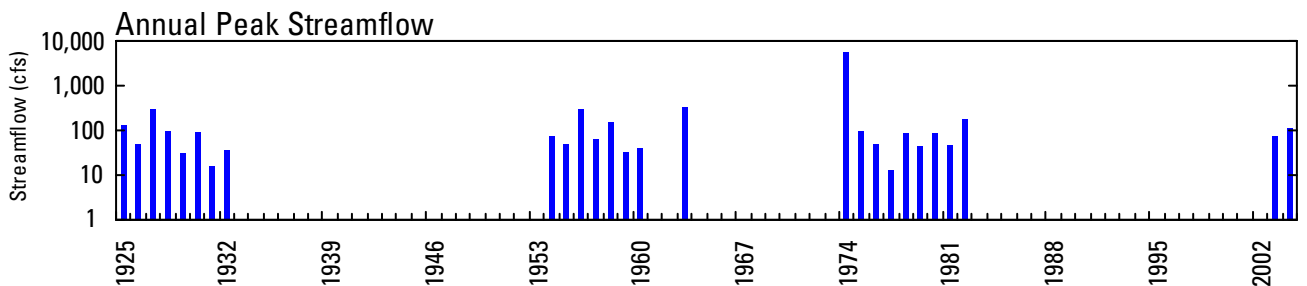
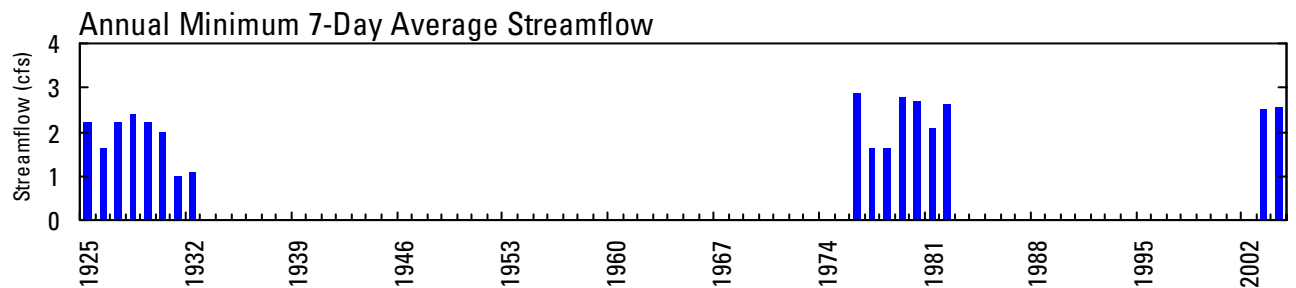
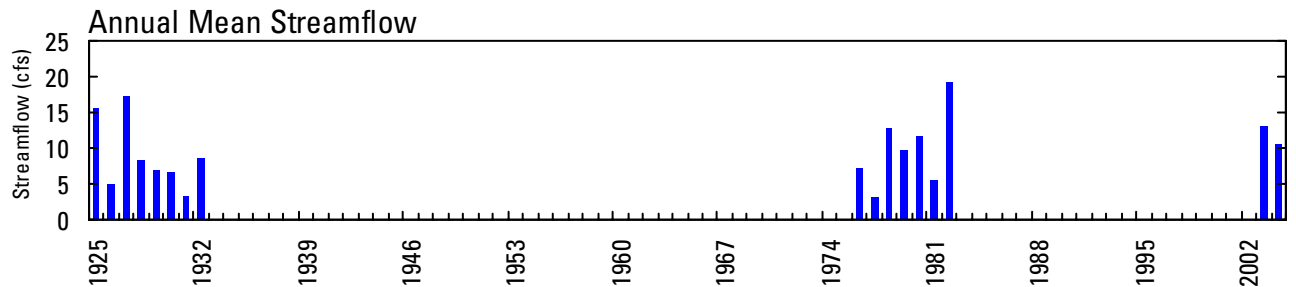
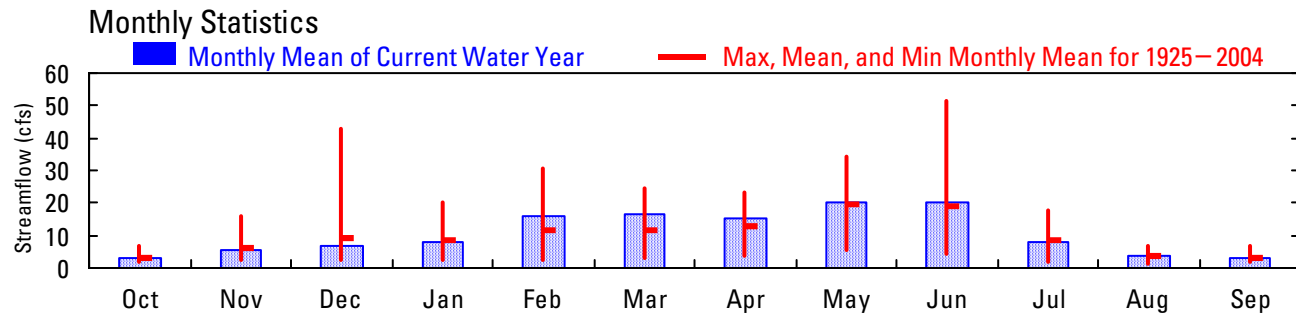
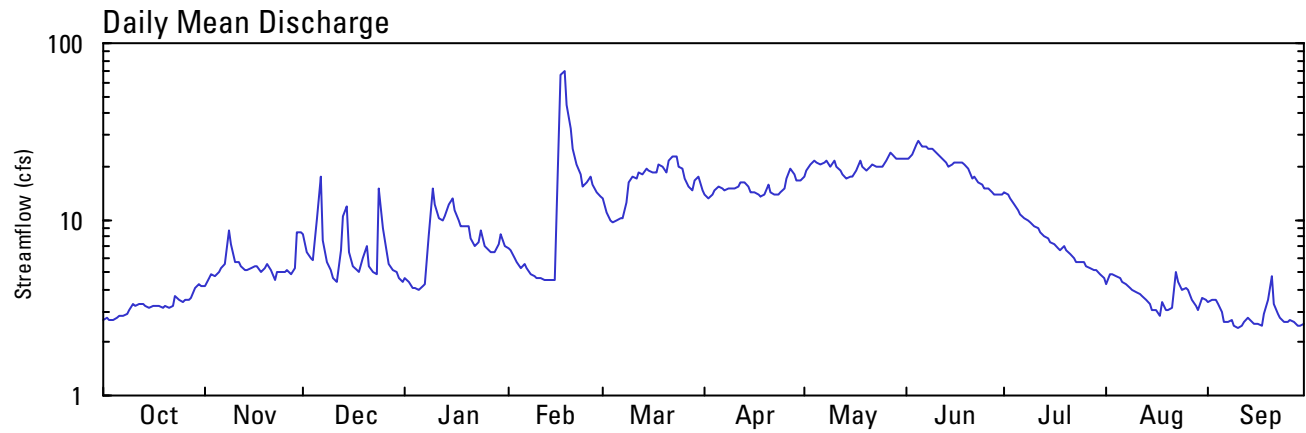
Longitude: 122° 42 ' 30"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 2,903.70 feet

Drainage Area: 8.14 square miles



14354200 BEAR CREEK BELOW ASHLAND CREEK, AT ASHLAND, OR

LOCATION.--Lat 42°12'58", long 122°43'16", in SE ¼ SE ¼ sec.32, T.38 S., R.1 E, Jackson County, Hydrologic Unit 17100308, on left bank, 0.1 mi downstream from Ashland Creek, and at mile 21.0.

DRAINAGE AREA.--168 mi².

PERIOD OF RECORD.--July 1990 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,686.64 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1924 by Emigrant Lake. Water is diverted into basin from the Klamath River basin. Many diversions for irrigation and municipal use upstream from station.

AVERAGE DISCHARGE.--14 years (water years 1991-2004) 88.3 ft³/s, 63,970 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft³/s Jan. 1, 1997, gage height 11.00 ft; minimum discharge, 0.33 ft³/s Oct. 18, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,660 ft³/s Feb. 17, gage height, 4.80 ft; minimum discharge, 9.4 ft³/s Oct. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	14	23	136	75	169	74	43	45	61	64	27
2	25	19	21	81	73	181	69	43	44	57	75	24
3	26	22	20	61	65	172	67	41	44	57	57	24
4	26	21	20	60	62	157	67	40	43	57	52	24
5	26	19	22	58	58	170	67	49	37	57	46	23
6	26	17	59	57	58	155	61	49	39	55	45	23
7	25	17	36	62	61	149	59	52	50	58	45	23
8	25	20	32	86	54	153	56	57	54	60	43	24
9	24	21	29	155	50	152	55	52	48	62	41	24
10	25	18	27	124	46	153	53	71	43	62	41	26
11	24	17	25	98	45	159	52	75	37	60	43	25
12	25	17	37	93	43	158	56	61	36	58	53	25
13	24	17	72	90	41	145	56	53	33	56	51	26
14	30	16	130	92	40	144	56	48	29	55	41	25
15	23	17	68	105	40	132	57	46	27	54	39	25
16	19	18	51	87	66	111	60	45	28	57	42	25
17	17	17	44	74	858	109	61	55	33	61	53	26
18	19	17	44	67	444	103	62	125	47	62	54	26
19	19	19	48	70	443	101	60	113	56	66	56	27
20	19	19	69	78	312	91	65	74	57	68	53	30
21	18	18	52	63	208	98	67	63	52	64	43	26
22	17	17	43	56	165	103	66	60	45	63	63	25
23	18	17	39	59	144	102	60	55	59	60	48	22
24	17	18	109	103	118	96	55	52	65	64	30	20
25	16	19	66	83	160	95	54	44	67	64	30	20
26	12	20	52	66	170	93	54	44	69	58	31	21
27	11	18	43	64	150	84	52	56	66	53	28	21
28	11	17	42	74	148	79	51	65	60	58	26	21
29	12	26	89	79	143	78	49	57	55	63	25	21
30	14	26	59	107	---	93	44	51	62	62	25	24
31	14	---	49	85	---	83	---	47	---	64	28	---
TOTAL	632	558	1,520	2,573	4,340	3,868	1,765	1,786	1,430	1,856	1,371	723
MEAN	20.4	18.6	49.0	83.0	150	125	58.8	57.6	47.7	59.9	44.2	24.1
MAX	30	26	130	155	858	181	74	125	69	68	75	30
MIN	11	14	20	56	40	78	44	40	27	53	25	20
AC-FT	1,250	1,110	3,010	5,100	8,610	7,670	3,500	3,540	2,840	3,680	2,720	1,430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	17.1	36.6	122	173	131	130	132	121	69.5	51.5	48.8	28.0
MAX	29.2	214	791	1,091	607	343	326	465	197	70.1	72.1	43.5
(WY)	(1998)	(1999)	(1997)	(1997)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)	(2000)	(1998)
MIN	4.93	9.70	14.4	16.4	16.9	13.6	12.7	22.3	34.8	23.6	35.2	8.33
(WY)	(1991)	(1993)	(1991)	(2001)	(1992)	(1992)	(1992)	(1992)	(1994)	(1992)	(1994)	(1992)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1991 - 2004

ANNUAL TOTAL	26,377	22,422	
ANNUAL MEAN	72.3	61.3	88.3
HIGHEST ANNUAL MEAN			226
LOWEST ANNUAL MEAN			22.0
HIGHEST DAILY MEAN	230	858	6,910
LOWEST DAILY MEAN	11	11	0.90
ANNUAL SEVEN-DAY MINIMUM	13	13	1.4
ANNUAL RUNOFF (AC-FT)	52,320	44,470	63,970
10 PERCENT EXCEEDS	175	109	192
50 PERCENT EXCEEDS	55	53	45
90 PERCENT EXCEEDS	19	19	14



2004 Water Year
ROGUE RIVER BASIN

14354200 BEAR CREEK BLW ASHLAND CREEK, AT ASHLAND, OR

Latitude: 42° 12 ' 58"

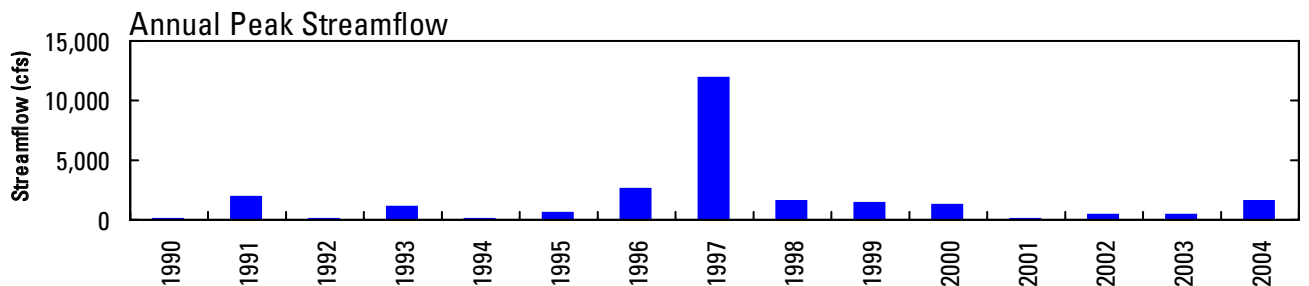
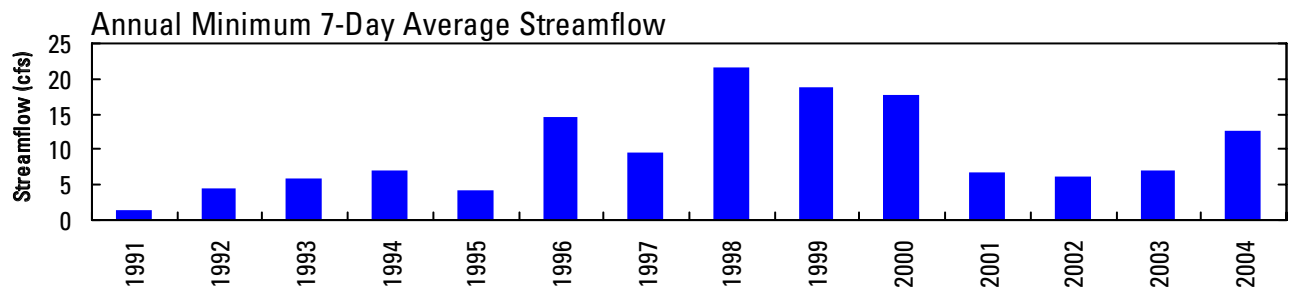
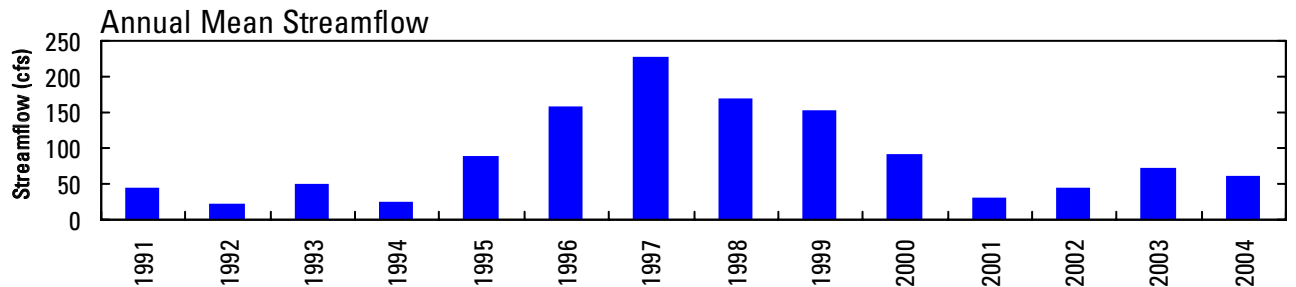
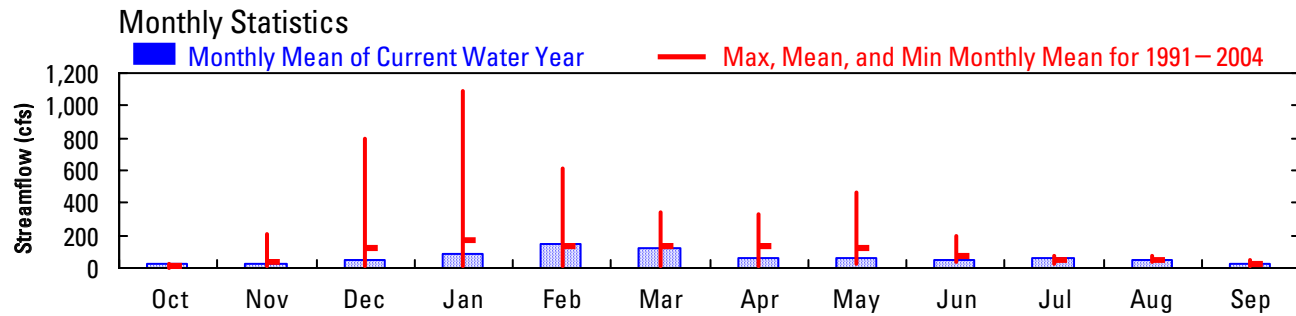
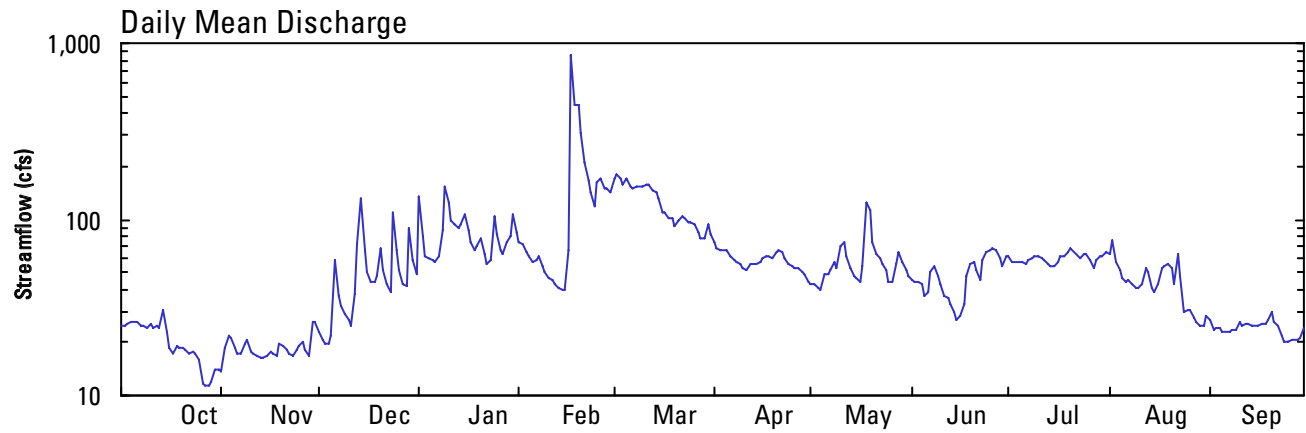
Longitude: 122° 43 ' 16"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 1,686.64 feet

Drainage Area: 168 square miles



14357500 BEAR CREEK AT MEDFORD, OR

LOCATION.--Lat 42°19'27", long 122°51'56", in NW ¼ sec.30, T.37 S., R.1 W., Jackson County, Hydrologic Unit 17100308, on left bank 50 ft downstream from Cottage Street, in Medford, and at mile 10.1.

DRAINAGE AREA.--289 mi².

PERIOD OF RECORD.--March 1915 to June 1920 (no low-flow records), October 1920 to September 1981, December 1983 to current year. Monthly discharge only for some periods, published in WSP 1318.

REVISED RECORDS.--WSP 1044: 1944. WSP 1448: 1916, 1917(M), 1918-20, 1922, 1924, 1927(M), 1928, 1930. WSP 1568: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,343.27 ft above NGVD of 1929. Prior to Sept. 19, 1991, at site 0.2 mi downstream, at datum 1.29 ft lower, Dec. 31, 1947, to Sept. 23, 1985, at datum 2.00 ft higher. See WSP 1738 for history of changes prior to Dec. 31, 1947.

REMARKS.--No estimated daily discharges. Records good. Flow partly regulated since 1924 by Emigrant Lake. Water is diverted into basin from the Klamath and Applegate River Basins. Many diversions for irrigation and municipal use upstream from station. Bureau of Reclamation satellite telemeter at station.

AVERAGE DISCHARGE.--81 years (water years 1921-81, 1985-2004), 114 ft³/s, 82,500 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,600 ft³/s Jan. 1, 1997, gage height, 14.69 ft, present datum; minimum discharge, no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,860 ft³/s Feb. 17, gage height, 7.56 ft; minimum discharge, 21 ft³/s Sept. 25, 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	28	43	371	133	386	106	43	60	44	30	42
2	37	53	38	213	122	343	87	44	57	39	60	37
3	37	47	36	137	109	301	81	45	49	43	62	35
4	41	47	35	116	103	256	85	42	43	50	41	35
5	45	47	37	106	95	287	83	41	48	42	36	34
6	43	38	190	108	96	257	79	42	53	39	32	33
7	41	37	85	106	101	230	81	55	76	34	36	31
8	51	37	63	124	89	226	86	65	92	30	38	35
9	63	41	54	226	82	225	82	58	85	30	33	36
10	73	36	50	190	77	221	72	92	85	33	30	36
11	73	35	46	138	74	232	71	102	78	37	32	37
12	76	34	89	130	70	231	72	82	71	35	32	42
13	77	33	176	130	67	210	75	70	68	34	32	41
14	75	33	423	128	67	204	73	58	58	31	28	32
15	53	34	145	153	67	192	88	58	37	29	28	29
16	40	36	91	125	117	155	103	52	33	31	30	31
17	35	35	77	106	2,630	149	98	77	31	34	30	31
18	35	34	72	96	1,310	138	83	282	39	34	27	31
19	34	44	71	99	945	134	87	208	39	40	30	34
20	34	42	91	114	671	132	90	113	41	38	38	40
21	33	34	76	93	408	140	98	85	43	32	40	32
22	32	31	66	83	298	143	95	81	38	32	89	32
23	33	30	60	110	253	143	83	70	41	31	89	26
24	32	32	140	199	193	139	74	58	34	31	52	25
25	30	35	99	156	251	131	71	49	39	31	55	23
26	26	37	76	125	309	143	68	51	47	30	47	24
27	24	33	66	121	247	121	64	70	51	30	42	25
28	24	30	73	133	233	112	61	107	55	32	39	22
29	25	59	212	134	231	106	62	91	39	30	40	28
30	28	54	124	223	---	150	47	85	42	28	40	30
31	29	---	90	163	---	128	---	77	---	29	40	---
TOTAL	1,316	1,146	2,994	4,456	9,448	5,965	2,405	2,453	1,572	1,063	1,278	969
MEAN	42.5	38.2	96.6	144	326	192	80.2	79.1	52.4	34.3	41.2	32.3
MAX	77	59	423	371	2,630	386	106	282	92	50	89	42
MIN	24	28	35	83	67	106	47	41	31	28	27	22
AC-FT	2,610	2,270	5,940	8,840	18,740	11,830	4,770	4,870	3,120	2,110	2,530	1,920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

MEAN	32.4	62.5	158	218	213	196	194	138	74.1	33.6	34.3	36.0
MAX	216	367	1,137	1,365	873	787	686	652	264	95.4	115	91.6
(WY)	(1963)	(1999)	(1965)	(1997)	(1958)	(1957)	(1974)	(1998)	(1998)	(1971)	(1976)	(1971)
MIN	4.74	8.23	17.3	13.2	11.5	13.7	4.88	1.46	2.12	0.53	0.39	0.70
(WY)	(1932)	(1937)	(1937)	(1937)	(1931)	(1931)	(1931)	(1931)	(1931)	(1924)	(1924)	(1931)

14357500 BEAR CREEK AT MEDFORD, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1921 - 2004	
ANNUAL TOTAL	42,255		35,065		114	
ANNUAL MEAN	116		95.8		304	1974
HIGHEST ANNUAL MEAN					8.42	1931
LOWEST ANNUAL MEAN					10,900	Jan 1, 1997
HIGHEST DAILY MEAN	713	Jan 27	2,630	Feb 17	0.20	Jul 30, 1922
LOWEST DAILY MEAN	24	Oct 27	22	Sep 28	0.20	Jul 23, 1924
ANNUAL SEVEN-DAY MINIMUM	26	Oct 26	25	Sep 23		
ANNUAL RUNOFF (AC-FT)	83,810		69,550		82,500	
10 PERCENT EXCEEDS	298		192		260	
50 PERCENT EXCEEDS	66		58		52	
90 PERCENT EXCEEDS	34		31		12	



2004 Water Year
ROGUE RIVER BASIN

14357500 BEAR CREEK AT MEDFORD, OR

Latitude: 42° 19 ' 27"

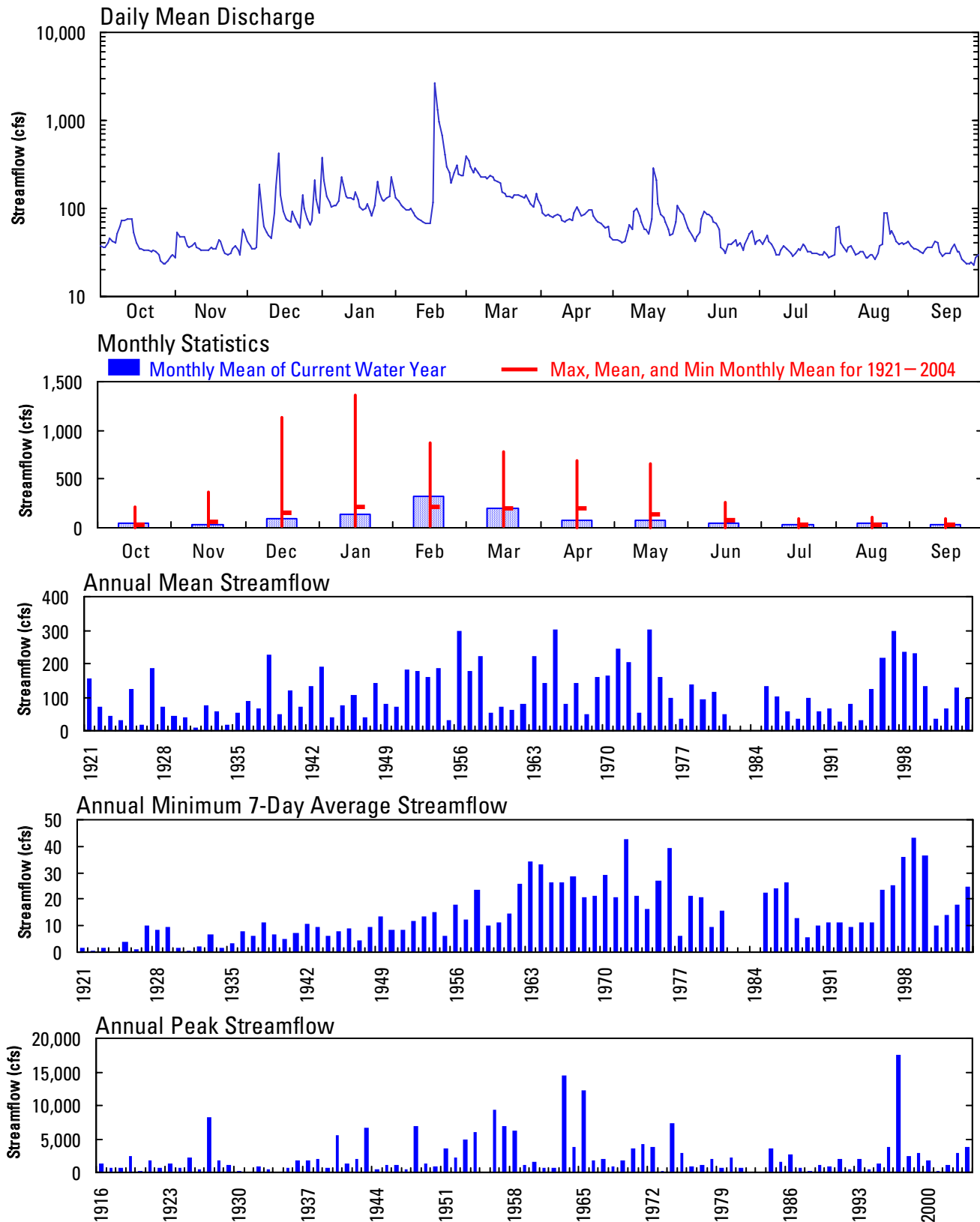
Longitude: 122° 51 ' 56"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 1,343.27 feet

Drainage Area: 289 square miles



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.--No estimated daily discharges. -Records good. 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. 28 years (water years 1977-2004), 2,799 ft³/s, 2,027,000 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, 19,900 ft³/s Feb. 18, gage height, 8.60 ft; minimum discharge, 963 ft³/s Sept. 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,060	1,040	1,480	5,120	5,040	5,580	2,960	2,430	2,800	2,560	1,690	2,060
2	1,060	1,080	1,360	4,770	4,650	5,570	2,870	2,920	2,760	2,410	1,700	2,080
3	1,060	1,140	1,290	3,480	3,760	4,490	2,830	3,240	2,930	2,310	1,820	2,090
4	1,060	1,120	1,260	2,800	2,940	4,080	2,810	3,340	2,930	2,250	1,830	2,080
5	1,060	1,090	1,310	2,590	2,560	4,230	2,780	3,370	2,930	2,130	1,830	2,080
6	1,050	1,080	3,200	2,660	2,460	4,350	2,740	3,170	2,940	1,960	1,840	2,090
7	1,050	1,060	2,810	2,930	2,680	3,990	2,520	2,890	2,990	1,820	1,840	2,050
8	1,060	1,070	2,700	3,570	2,550	3,790	2,490	3,120	3,070	1,730	1,840	2,040
9	1,090	1,090	2,550	4,260	2,410	3,730	2,430	3,040	3,070	1,700	1,820	2,070
10	1,090	1,090	2,410	4,090	2,280	3,590	2,300	2,920	3,050	1,710	1,800	2,080
11	1,100	1,080	2,310	3,270	2,150	3,440	2,270	2,830	3,000	1,730	1,790	2,080
12	1,140	1,090	2,780	3,050	2,010	3,310	2,260	2,820	2,970	1,720	1,800	2,110
13	1,150	1,100	6,680	2,970	1,830	3,180	2,380	2,720	2,960	1,680	1,800	2,130
14	1,170	1,060	9,330	2,930	1,770	3,080	2,410	2,550	2,940	1,670	1,810	2,050
15	1,120	1,070	5,630	3,310	1,800	2,990	2,230	2,460	2,930	1,670	1,800	1,940
16	1,090	1,110	4,230	2,950	2,110	2,930	2,280	2,510	3,030	1,680	1,790	1,850
17	1,080	1,200	3,870	2,600	14,300	2,880	2,350	2,560	3,020	1,690	1,790	1,760
18	1,070	1,200	3,800	2,410	12,900	2,840	2,270	3,630	3,030	1,700	1,810	1,700
19	1,080	1,170	3,170	2,480	6,920	2,820	2,260	4,300	3,010	1,710	1,800	1,640
20	1,050	1,220	2,970	2,800	5,090	2,770	2,400	3,630	3,000	1,690	1,810	1,540
21	1,050	1,160	3,010	2,560	4,150	2,750	2,920	3,410	2,990	1,700	1,800	1,420
22	1,040	1,140	2,730	2,410	3,610	2,750	3,210	3,220	2,990	1,690	1,930	1,300
23	1,040	1,100	2,420	2,390	3,450	2,770	2,810	3,080	2,990	1,680	2,020	1,170
24	1,040	1,100	2,880	4,490	3,580	2,830	2,580	2,830	2,990	1,670	1,940	1,090
25	1,040	1,110	3,340	4,050	3,660	3,160	2,450	2,640	2,960	1,670	1,920	1,100
26	1,030	1,160	3,060	3,430	4,450	3,280	2,360	2,560	2,960	1,690	1,940	1,100
27	1,010	1,150	2,780	4,670	4,220	3,240	2,270	2,660	2,890	1,680	2,090	1,070
28	1,010	1,140	2,610	5,310	3,960	3,180	2,210	3,370	2,820	1,670	2,090	1,000
29	1,030	1,370	5,840	6,000	3,690	3,100	2,200	3,790	2,690	1,670	2,070	1,020
30	1,040	1,880	4,540	6,810	---	3,200	2,370	3,440	2,600	1,670	2,050	1,040
31	1,040	---	3,150	6,010	---	3,120	---	3,180	---	1,690	2,050	---
TOTAL	33,060	34,470	101,500	113,170	116,980	107,020	75,220	94,630	88,240	56,000	57,910	50,830
MEAN	1,066	1,149	3,274	3,651	4,034	3,452	2,507	3,053	2,941	1,806	1,868	1,694
MAX	1,170	1,880	9,330	6,810	14,300	5,580	3,210	4,300	3,070	2,560	2,090	2,130
MIN	1,010	1,040	1,260	2,390	1,770	2,750	2,200	2,430	2,600	1,670	1,690	1,000
AC-FT	65,570	68,370	201,300	224,500	232,000	212,300	149,200	187,700	175,000	111,100	114,900	100,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	1,404	2,234	3,916	3,752	3,398	3,324	3,414	3,355	2,689	2,153	2,145	1,819
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)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	932,970		929,030			
ANNUAL MEAN	2,556		2,538		2,799	
HIGHEST ANNUAL MEAN					5,098	1997
LOWEST ANNUAL MEAN					1,284	1977
HIGHEST DAILY MEAN	9,860	Mar 27	14,300	Feb 17	53,900	Jan 1, 1997
LOWEST DAILY MEAN	1,010	Oct 27	1,000	Sep 28	662	Feb 19, 1977
ANNUAL SEVEN-DAY MINIMUM	1,030	Oct 23	1,030	Oct 23	862	Apr 16, 1977
ANNUAL RUNOFF (AC-FT)	1,851,000		1,843,000		2,027,000	
10 PERCENT EXCEEDS	4,590		3,820		4,880	
50 PERCENT EXCEEDS	2,000		2,410		2,170	
90 PERCENT EXCEEDS	1,080		1,090		1,240	



2004 Water Year
ROGUE RIVER BASIN

14359000 ROGUE RIVER AT RAYGOLD, NEAR CENTRAL POINT, OR

Latitude: 42° 26 ' 15"

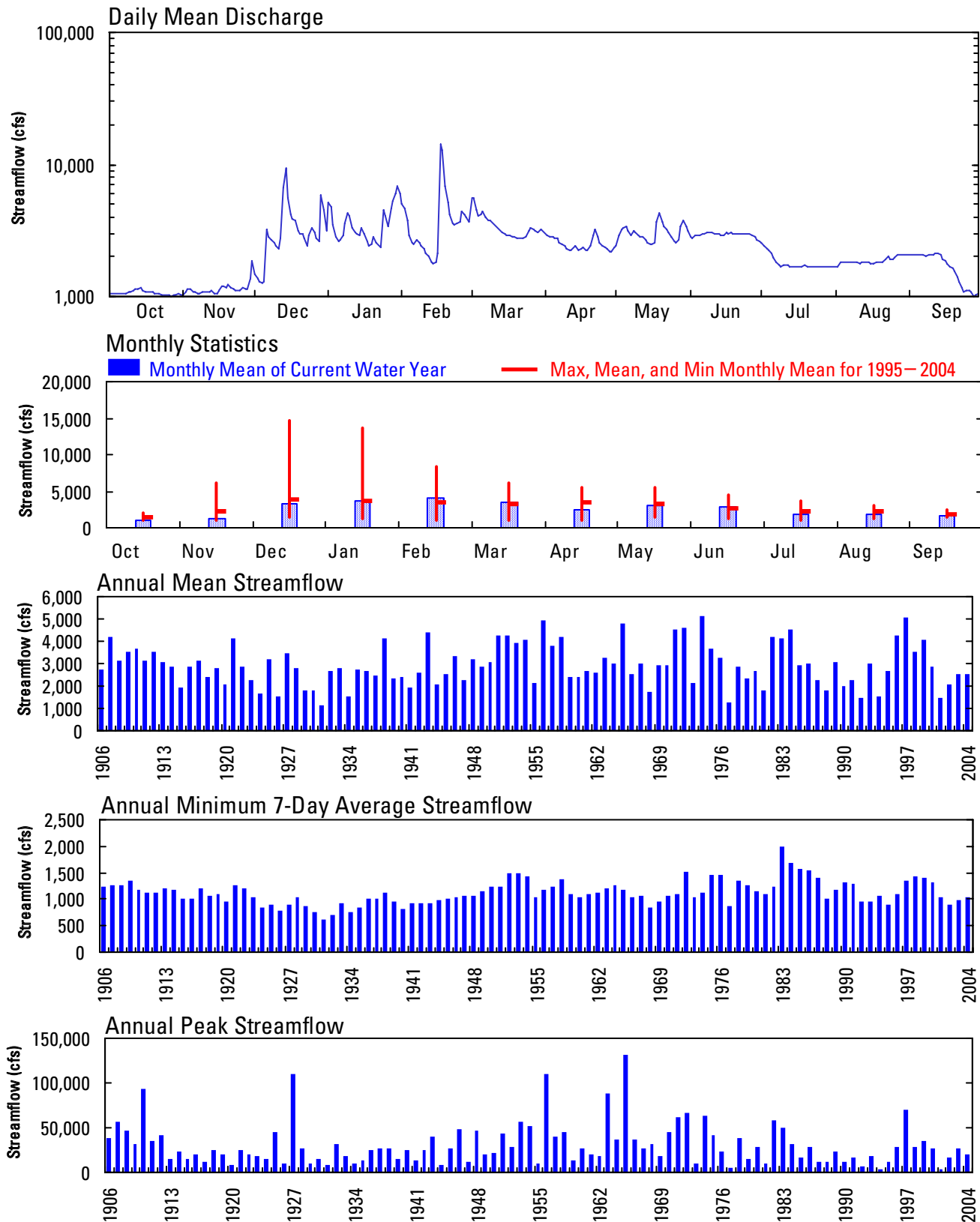
Longitude: 122° 59 ' 10"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 1,121.78 feet

Drainage Area: 2,053 square miles



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 since August 1973.

REMARKS.--Records fair.

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, 19.5°C Aug. 13, 14; minimum, 3.6°C Jan. 2.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13.3	12.8	13.0	7.2	6.3	6.7	7.2	7.0	7.1	5.3	4.4	4.8
2	13.3	12.8	13.0	6.6	6.4	6.6	7.2	6.8	7.0	4.6	3.6	4.1
3	13.3	12.7	12.9	7.0	6.5	6.7	7.6	7.0	7.2	4.9	3.9	4.4
4	12.8	12.3	12.5	7.1	6.5	6.9	7.7	7.1	7.4	5.1	4.5	4.8
5	12.9	12.0	12.4	6.7	6.3	6.4	7.7	7.2	7.4	5.5	4.7	5.1
6	13.0	12.6	12.8	7.0	6.5	6.8	7.9	7.5	7.7	5.7	5.1	5.4
7	13.4	12.9	13.1	7.1	6.4	6.6	7.9	7.2	7.5	6.2	5.4	5.8
8	13.3	12.1	12.6	7.6	7.1	7.4	7.2	6.7	6.9	6.4	5.8	6.1
9	12.3	11.7	12.0	7.6	7.2	7.4	6.9	6.4	6.7	6.6	6.1	6.4
10	11.9	10.8	11.1	7.9	7.5	7.7	6.6	6.3	6.4	6.4	5.5	6.0
11	11.0	9.6	10.3	8.1	7.9	7.9	6.8	6.3	6.5	6.2	5.4	5.9
12	10.3	9.3	9.7	8.1	7.3	7.6	6.8	6.5	6.7	6.1	5.3	5.7
13	10.4	9.6	9.9	7.4	6.6	7.0	7.2	6.6	6.8	6.5	5.7	6.0
14	10.3	9.7	10.0	6.7	6.2	6.4	7.3	5.6	6.1	6.8	6.3	6.5
15	10.4	9.0	9.8	6.9	6.3	6.5	5.8	5.2	5.5	7.2	6.6	6.9
16	9.8	8.6	8.9	7.2	6.8	7.0	6.0	5.0	5.4	7.2	6.7	6.9
17	10.2	9.8	10.1	7.3	6.9	7.1	6.3	5.7	6.0	6.7	5.6	6.0
18	10.2	9.7	10.1	7.5	7.2	7.3	6.0	5.0	5.5	6.9	5.7	6.1
19	10.4	9.9	10.2	7.6	7.0	7.2	6.2	5.1	5.5	7.1	6.4	6.7
20	10.0	9.5	9.8	7.1	6.6	6.8	6.7	6.1	6.3	7.0	6.1	6.4
21	10.1	9.5	9.8	6.8	6.2	6.5	6.8	6.2	6.5	6.2	5.0	5.4
22	10.4	10.1	10.3	6.3	5.5	5.9	6.5	5.4	5.8	5.1	4.1	4.6
23	10.5	10.0	10.3	5.6	4.9	5.2	6.7	5.7	6.1	5.5	4.5	4.9
24	10.0	9.0	9.4	5.5	5.0	5.2	6.8	6.4	6.6	6.5	5.4	5.8
25	9.1	8.6	8.9	5.6	5.2	5.4	6.6	5.8	6.1	5.9	4.9	5.4
26	9.4	8.9	9.1	6.1	5.3	5.6	5.8	5.0	5.4	5.5	4.7	5.0
27	9.5	9.1	9.3	6.2	5.5	5.8	5.3	4.5	4.9	6.2	4.8	5.4
28	9.5	9.1	9.3	6.0	5.5	5.6	5.4	5.1	5.2	6.4	5.8	6.1
29	9.8	9.3	9.5	7.0	6.0	6.6	5.4	3.8	4.5	6.8	6.0	6.3
30	9.3	8.4	8.8	7.2	6.8	7.0	5.3	4.5	4.8	6.7	6.1	6.4
31	8.4	7.2	7.7	---	---	---	5.3	4.9	5.1	6.1	5.1	5.6
MONTH	13.4	7.2	10.5	8.1	4.9	6.6	7.9	3.8	6.2	7.2	3.6	5.7

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.6	5.5	6.0	7.2	6.2	6.7	10.2	7.7	9.0	---	---	---
2	6.6	5.9	6.3	8.4	6.4	7.3	10.8	8.1	9.5	13.4	11.1	12.4
3	6.5	5.5	6.0	7.9	5.9	6.6	11.7	9.2	10.3	---	---	---
4	7.0	5.9	6.4	7.7	6.3	6.9	11.9	9.5	10.8	13.3	10.5	12.0
5	6.9	5.7	6.2	7.4	6.4	6.8	11.8	9.9	10.7	12.9	10.6	11.9
6	6.4	5.8	6.1	8.8	6.5	7.5	11.3	9.5	10.4	12.7	10.5	11.7
7	6.7	5.8	6.2	9.3	7.0	8.1	11.6	9.6	10.5	12.3	10.6	11.4
8	6.5	5.2	5.9	9.8	7.3	8.6	12.2	9.7	10.9	12.6	10.6	11.6
9	6.2	4.6	5.4	9.7	7.9	8.9	12.6	9.9	11.4	12.3	11.0	11.6
10	6.0	4.5	5.3	9.7	7.6	8.7	12.8	10.0	11.6	12.2	10.8	11.5
11	6.3	4.8	5.5	9.6	7.3	8.5	12.8	10.7	11.9	12.0	10.7	11.3
12	6.6	5.1	5.9	9.8	7.3	8.7	13.1	11.2	12.2	13.1	10.9	11.8
13	6.5	5.5	5.9	10.0	7.5	8.8	12.9	10.9	11.9	13.6	11.6	12.6
14	6.6	5.6	5.9	10.5	8.3	9.4	12.1	10.2	11.2	14.0	12.0	13.2
15	6.8	6.1	6.5	10.2	8.0	9.2	11.5	9.6	10.5	14.1	12.6	13.5
16	7.1	6.6	6.8	10.3	7.8	9.2	11.8	10.0	10.8	14.3	12.3	13.3
17	7.8	6.2	6.9	10.4	8.0	9.3	11.9	9.9	11.0	14.2	12.6	13.4
18	8.0	7.1	7.6	10.4	8.3	9.4	11.9	10.3	11.0	13.4	12.1	12.7
19	8.0	6.6	7.3	10.2	8.2	9.4	10.9	9.7	10.3	13.9	10.9	12.1
20	7.4	5.5	6.5	10.2	7.6	8.9	10.8	9.6	10.2	14.2	12.3	13.2
21	7.4	6.2	6.9	11.0	8.2	9.6	11.3	9.8	10.4	15.0	13.0	13.8
22	7.5	6.6	7.1	11.7	9.1	10.4	12.2	9.3	10.6	15.0	13.2	13.9
23	8.6	6.9	7.6	11.9	9.7	10.9	12.3	10.6	11.5	14.4	12.0	13.2
24	8.1	6.8	7.5	11.3	8.8	9.8	12.9	10.4	11.6	15.0	12.7	13.8
25	7.8	6.6	7.2	9.8	8.4	8.9	13.6	11.2	12.4	15.5	13.4	14.4
26	7.6	6.5	7.1	9.3	7.3	8.2	14.8	11.9	13.2	15.6	13.9	14.8
27	7.9	6.4	7.1	10.3	8.2	9.1	14.9	12.5	13.8	15.7	13.3	14.4
28	8.0	6.4	7.2	11.0	8.0	9.5	14.7	11.7	13.1	14.0	12.9	13.4
29	7.6	6.5	6.9	11.0	8.3	9.9	13.4	10.9	12.4	13.9	12.6	13.1
30	---	---	---	10.7	9.1	9.8	13.6	11.0	12.3	14.4	12.5	13.2
31	---	---	---	10.0	8.0	9.0	---	---	---	14.8	13.1	13.9
MONTH	8.6	4.5	6.5	11.9	5.9	8.8	14.9	7.7	11.2	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.9	13.3	14.1	16.5	14.8	15.5	17.5	16.9	17.2	17.3	14.8	16.2
2	15.2	13.6	14.4	16.6	15.1	15.8	17.6	17.0	17.3	17.1	13.9	15.2
3	15.3	13.9	14.6	16.7	15.4	16.1	18.3	14.9	16.8	16.6	13.3	14.9
4	15.5	13.9	14.7	17.0	15.6	16.2	18.4	15.4	17.0	17.0	13.7	15.4
5	15.5	13.9	14.6	17.2	15.7	16.4	18.4	15.4	16.8	17.2	13.9	15.7
6	15.0	13.5	14.1	17.1	15.8	16.4	17.6	14.7	16.3	17.2	14.2	15.8
7	14.4	13.2	13.7	17.1	16.3	16.7	18.6	14.6	16.5	17.1	13.7	15.5
8	13.6	12.8	13.1	17.0	15.8	16.4	18.8	15.2	17.1	16.6	13.6	15.2
9	13.1	12.5	12.8	16.9	16.0	16.4	19.2	15.8	17.5	16.3	13.2	15.0
10	13.7	12.4	12.9	16.9	16.1	16.5	19.3	16.0	17.7	16.4	13.2	14.9
11	14.2	13.1	13.6	17.1	16.0	16.5	19.4	16.0	17.7	16.4	13.6	15.1
12	14.3	13.2	13.7	17.3	16.4	16.9	19.3	16.2	17.8	16.0	13.7	14.9
13	15.0	13.3	14.0	17.9	16.8	17.3	19.6	16.2	17.9	15.3	13.0	14.2
14	15.0	13.4	14.3	18.0	16.9	17.4	19.6	16.5	18.1	15.3	12.4	13.9
15	15.0	13.6	14.3	17.9	16.7	17.3	19.4	16.4	17.9	15.3	13.4	14.3
16	15.2	13.9	14.5	17.8	16.8	17.3	18.9	16.0	17.5	15.9	13.0	14.2
17	15.5	13.9	14.7	17.8	16.8	17.3	18.8	15.6	17.3	15.8	12.6	13.8
18	15.6	14.0	14.8	17.6	16.4	17.0	18.8	15.6	17.3	13.4	11.8	12.6
19	15.8	14.0	14.9	16.7	16.0	16.4	18.9	15.8	17.4	13.0	11.0	12.0
20	15.8	14.0	14.8	16.9	16.2	16.6	19.1	15.9	17.6	13.8	11.7	12.6
21	15.8	14.2	15.0	17.4	16.5	17.0	19.1	15.6	17.1	13.8	11.5	12.5
22	15.8	14.5	15.1	17.6	16.8	17.1	17.5	15.1	16.2	14.5	12.5	13.3
23	---	---	---	17.5	16.7	17.1	16.9	14.7	15.8	14.5	13.2	13.8
24	---	---	---	17.4	16.7	17.0	17.0	14.8	16.0	14.6	13.4	14.0
25	15.9	14.5	15.1	17.4	16.9	17.1	16.8	14.6	15.8	14.6	13.4	14.0
26	---	---	---	17.4	16.7	17.0	17.0	14.8	15.9	14.5	13.6	14.0
27	15.7	14.2	14.9	17.2	16.4	16.8	17.8	14.2	15.9	14.0	12.9	13.4
28	15.9	14.4	15.1	17.1	16.4	16.8	18.1	14.8	16.5	14.0	13.0	13.5
29	16.0	14.4	15.2	17.3	16.6	16.9	18.4	15.2	16.9	14.1	12.6	13.3
30	16.0	14.3	15.1	17.2	16.6	16.9	18.3	15.1	16.8	13.4	12.6	12.9
31	---	---	---	17.3	16.7	17.0	18.0	14.9	16.4	---	---	---
MONTH	---	---	---	18.0	14.8	16.7	19.6	14.2	17.0	17.3	11.0	14.2

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. Prior to Sept. 3, 1983, at site 300 ft upstream.

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.--39 years (water years 1939-77), 3,543 ft³/s, 2,566,000 acre-ft/yr. 27 years (water years 1978-2004), 3,229 ft³/s, 2,339,000 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 observed discharge, 20,770 ft³/s Feb. 18, gage height, 10.24 ft, but may have been higher during period of missing record; minimum discharge, 950 ft³/s Sept. 25, result of regulation at Savage Rapids Dam.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,190	1,210	1,530	6,580	6,740	6,990	3,200	2,270	2,750	2,280	1,440	1,860
2	1,180	1,220	1,400	7,170	6,040	7,940	3,040	2,720	2,520	2,130	1,450	1,870
3	1,180	1,280	1,330	4,760	5,050	6,090	2,980	3,280	2,690	1,980	1,510	1,900
4	1,180	1,250	1,310	3,570	3,850	5,340	2,910	3,540	2,750	1,930	1,560	1,880
5	1,180	1,270	1,320	3,150	3,210	5,240	2,870	3,330	2,740	1,820	1,540	1,870
6	1,260	1,240	3,110	3,230	2,930	5,490	2,830	2,900	2,790	1,660	1,580	1,900
7	1,490	1,230	3,390	3,730	3,230	4,970	2,550	2,880	2,880	1,520	1,610	1,870
8	1,300	1,220	3,010	4,830	3,090	4,620	2,460	3,060	3,010	1,460	1,590	1,840
9	1,250	1,230	2,640	6,110	2,840	4,480	2,360	3,110	3,030	1,420	1,570	1,860
10	1,190	1,240	2,430	5,910	2,630	4,280	2,200	2,930	2,980	1,420	1,550	1,890
11	1,250	1,220	2,280	4,620	2,430	4,040	2,130	2,780	2,950	1,440	1,540	1,890
12	1,280	1,220	2,440	4,110	2,230	3,830	2,100	2,770	2,850	1,450	1,530	1,920
13	1,280	1,220	8,590	3,990	2,020	3,640	2,210	2,560	2,830	1,430	1,550	1,940
14	1,310	1,220	11,600	3,850	1,930	3,460	2,320	2,370	2,790	1,410	1,570	1,900
15	1,280	1,200	7,580	4,390	1,980	3,320	2,100	2,210	2,730	1,410	1,560	1,790
16	1,260	1,220	5,070	3,960	2,350	3,190	2,130	2,270	2,890	1,410	1,550	1,700
17	1,250	1,280	4,390	3,330	e19,100	3,140	2,230	2,280	2,840	1,420	1,550	1,600
18	1,240	1,320	4,240	2,920	e16,400	3,060	2,150	3,140	2,830	1,430	1,560	1,530
19	1,240	1,270	3,620	2,900	e10,500	3,020	2,130	4,670	2,830	1,440	1,570	1,510
20	1,230	1,310	3,180	3,380	7,210	2,920	2,270	3,810	2,810	1,440	1,570	1,470
21	1,220	1,290	3,250	3,080	5,610	2,880	3,010	3,470	2,820	1,430	1,570	1,380
22	1,220	1,260	2,950	2,780	4,740	2,860	3,610	3,240	2,790	1,430	1,640	1,260
23	1,210	1,230	2,510	2,590	4,290	2,860	3,110	3,020	2,800	1,420	1,830	1,220
24	1,220	1,220	2,970	5,050	4,510	2,900	2,710	2,740	2,810	1,420	1,770	1,130
25	1,220	1,230	4,170	5,130	4,600	3,340	2,480	2,470	2,780	1,420	1,750	1,050
26	1,210	1,260	3,630	4,160	6,260	3,620	2,310	2,300	2,780	1,430	1,750	1,090
27	1,200	1,260	3,160	5,410	6,140	3,590	2,190	2,390	2,720	1,430	1,910	1,110
28	1,190	1,240	2,900	6,360	5,400	3,520	2,070	3,090	2,620	1,430	1,920	1,100
29	1,200	1,320	6,790	7,770	4,930	3,370	2,030	3,860	2,510	1,420	1,880	1,090
30	1,210	1,880	6,410	9,260	---	3,440	2,220	3,510	2,340	1,430	1,860	1,100
31	1,210	---	4,070	8,480	---	3,460	---	3,180	---	1,440	1,860	---
TOTAL	38,330	38,060	117,270	146,560	152,240	124,900	74,910	92,150	83,460	47,600	50,690	47,520
MEAN	1,236	1,269	3,783	4,728	5,250	4,029	2,497	2,973	2,782	1,535	1,635	1,584
MAX	1,490	1,880	11,600	9,260	19,100	7,940	3,610	4,670	3,030	2,280	1,920	1,940
MIN	1,180	1,200	1,310	2,590	1,930	2,860	2,030	2,210	2,340	1,410	1,440	1,050
AC-FT	76,030	75,490	232,600	290,700	302,000	247,700	148,600	182,800	165,500	94,410	100,500	94,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

	MEAN	2,579	4,784	4,820	4,517	4,101	4,020	3,683	2,809	2,118	2,113	1,793
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)

14361500 ROGUE RIVER AT GRANTS PASS, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	1,100,510		1,013,690			
ANNUAL MEAN	3,015		2,770		3,229	
HIGHEST ANNUAL MEAN					5,840	1997
LOWEST ANNUAL MEAN					1,538	1992
HIGHEST DAILY MEAN	12,900	Mar 27	19,100	Feb 17	69,000	Jan 1, 1997
LOWEST DAILY MEAN	1,160	Sep 26	1,050	Sep 25	744	Oct 10, 1994
ANNUAL SEVEN-DAY MINIMUM	1,170	Sep 23	1,100	Sep 24	799	Sep 22, 1994
ANNUAL RUNOFF (AC-FT)	2,183,000		2,011,000		2,339,000	
10 PERCENT EXCEEDS	5,970		4,860		6,020	
50 PERCENT EXCEEDS	2,280		2,320		2,260	
90 PERCENT EXCEEDS	1,230		1,230		1,290	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14361500 ROGUE RIVER AT GRANTS PASS, OR

Latitude: 42° 25 ' 50"

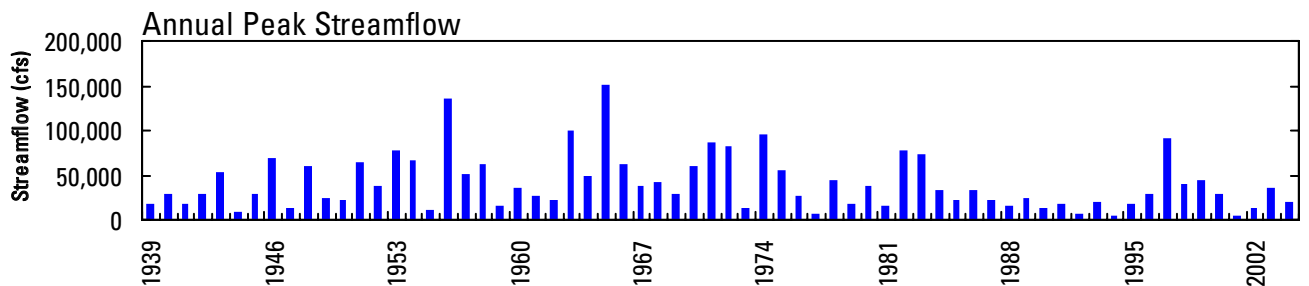
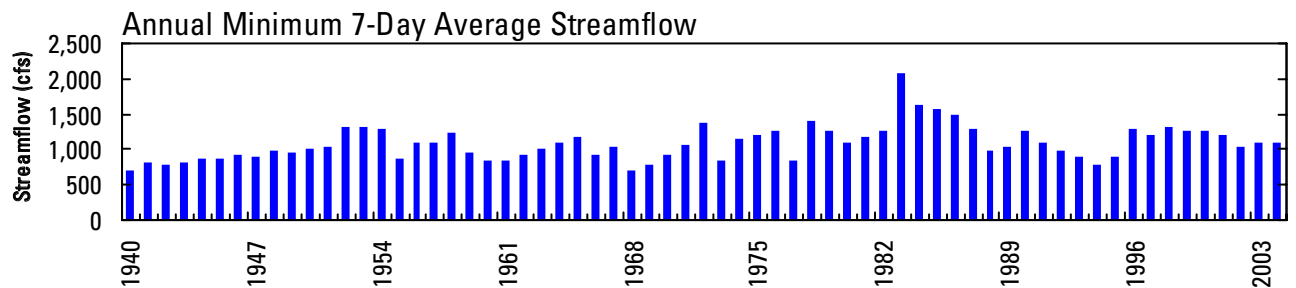
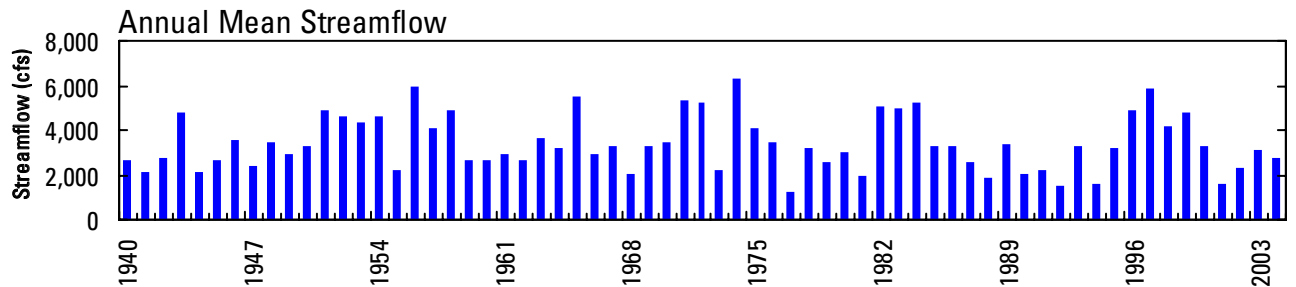
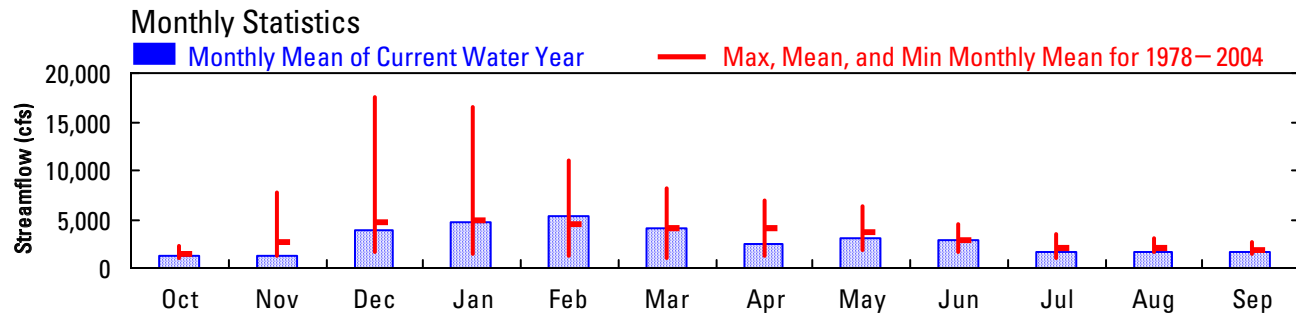
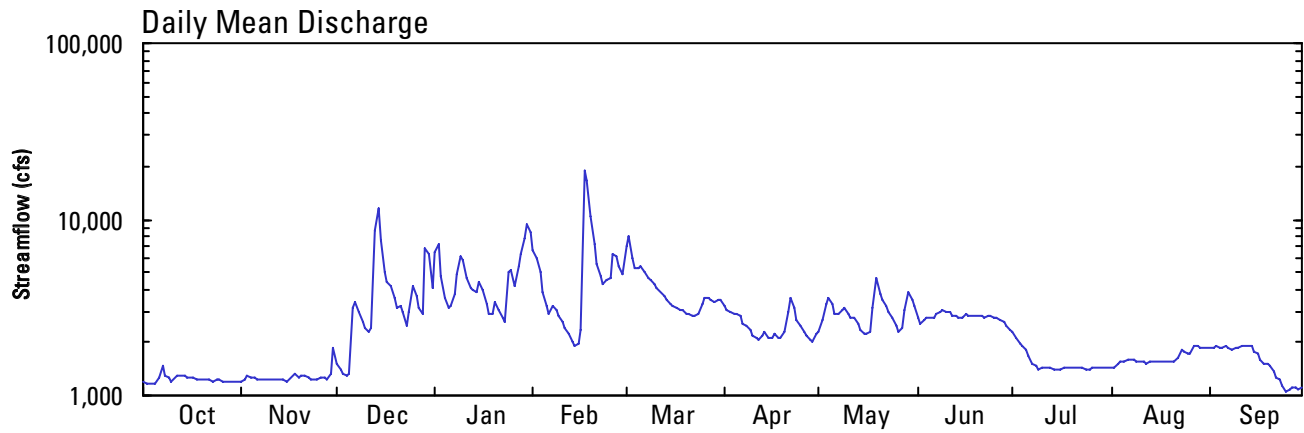
Longitude: 123° 19 ' 00"

Hydrologic Unit Code: 17100308

Josephine County

Datum: 884.28 feet

Drainage Area: 2,459 square miles



14361900 APPLEGATE LAKE NEAR COPPER, OR

LOCATION.--Lat 42°03'25", long 123°06'30", in SE ¼ sec.25, T.40 S., R.4 W., Jackson County, Hydrologic Unit 17100309, in outlet structure of Applegate Dam on Applegate River, 2.5 mi northeast of former town of Copper, 13 mi south of Ruch, and at mile 46.3.

DRAINAGE AREA.--223 mi².

PERIOD OF RECORD.--December 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by earthfill dam completed in October 1980. Storage began Dec. 2, 1980. Total capacity, 82,200 acre-ft between elevations 1,763.0 ft and 1,987.0 ft, maximum pool elevation. Elevation of gated spillway crest, 1,943.7 ft. Usable contents, 75,200 acre-ft between elevations 1,854.0 ft and 1,987.0 ft. Water is used for flood control, recreation, pollution abatement, irrigation, and other purposes. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 82,610 acre-ft May 11, 1997, elevation, 1,987.41 ft; minimum contents since first filling, 7,230 acre-ft Jan. 11, 1991, elevation, 1,855.1 ft, from graph of gage readings furnished by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 82,270 acre-ft May 3, elevation, 1,987.07 ft; minimum contents, 14,840 acre-ft Dec. 5, elevation, 1,882.89 ft.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,935.79	1,911.13	1,884.46	1,889.46	1,888.57	1,935.28	1,963.41	1,987.06	1,987.00	1,983.09	1,969.88	1,952.35
2	1,935.11	1,910.21	1,883.93	1,888.91	1,889.59	1,935.26	1,964.15	1,987.02	1,986.99	1,982.78	1,969.38	1,951.72
3	1,934.41	1,909.28	1,883.41	1,887.94	1,891.13	1,935.29	1,965.14	1,986.99	1,986.96	1,982.45	1,968.87	1,951.09
4	1,933.70	1,908.37	1,882.93	1,887.30	1,892.46	1,936.07	1,966.16	1,986.93	1,986.96	1,982.12	1,968.33	1,950.46
5	1,933.00	1,907.45	1,883.58	1,886.90	1,893.58	1,937.10	1,967.08	1,986.91	1,986.96	1,981.76	1,967.80	1,949.83
6	1,932.27	1,906.53	1,887.11	1,886.91	1,894.75	1,938.12	1,967.88	1,986.84	1,986.95	1,981.42	1,967.28	1,949.19
7	1,931.56	1,905.64	1,887.94	1,887.27	1,895.73	1,939.10	1,968.66	1,986.92	1,986.98	1,981.04	1,966.75	1,948.54
8	1,930.83	1,904.75	1,888.07	1,888.67	1,896.56	1,940.44	1,969.45	1,986.93	1,987.01	1,980.66	1,966.23	1,947.88
9	1,930.09	1,903.89	1,887.99	1,889.04	1,897.26	1,941.81	1,970.32	1,986.92	1,986.98	1,980.28	1,965.68	1,947.23
10	1,929.37	1,902.93	1,887.78	1,889.03	1,897.89	1,942.91	1,971.22	1,986.90	1,986.95	1,979.88	1,965.13	1,946.60
11	1,928.63	1,901.94	1,887.51	1,888.90	1,898.59	1,943.89	1,972.08	1,986.94	1,986.92	1,979.49	1,964.59	1,945.97
12	1,927.88	1,900.95	1,887.42	1,889.21	1,899.26	1,944.93	1,972.88	1,986.93	1,986.87	1,979.10	1,964.04	1,945.34
13	1,927.12	1,899.92	1,891.46	1,889.27	1,899.91	1,945.94	1,973.63	1,986.96	1,986.80	1,978.69	1,963.48	1,944.70
14	1,926.36	1,898.90	1,890.40	1,889.15	1,900.57	1,946.98	1,974.43	1,986.99	1,986.71	1,978.28	1,962.92	1,944.06
15	1,925.57	1,897.89	1,890.45	1,889.09	1,901.37	1,948.08	1,975.14	1,986.96	1,986.61	1,977.86	1,962.35	1,943.44
16	1,924.81	1,896.89	1,889.90	1,889.01	1,906.17	1,949.07	1,975.83	1,986.96	1,986.50	1,977.43	1,961.78	1,942.83
17	1,924.03	1,895.89	1,889.33	1,888.97	1,921.99	1,949.68	1,976.55	1,986.95	1,986.36	1,977.02	1,961.21	1,942.20
18	1,923.23	1,894.81	1,889.10	1,888.99	1,926.47	1,950.57	1,977.26	1,986.94	1,986.22	1,976.56	1,960.63	1,941.58
19	1,922.43	1,893.75	1,889.18	1,889.39	1,927.01	1,951.50	1,977.96	1,986.96	1,986.05	1,976.14	1,960.05	1,940.97
20	1,921.62	1,892.71	1,889.17	1,889.67	1,926.89	1,952.37	1,978.92	1,986.98	1,985.87	1,975.70	1,959.47	1,940.36
21	1,920.81	1,891.61	1,889.11	1,889.70	1,927.10	1,953.56	1,979.96	1,987.02	1,985.67	1,975.26	1,958.87	1,939.74
22	1,919.97	1,890.47	1,889.03	1,889.56	1,927.47	1,954.62	1,980.71	1,986.91	1,985.45	1,974.81	1,958.31	1,939.11
23	1,919.13	1,889.29	1,889.09	1,889.34	1,927.89	1,955.59	1,981.51	1,986.88	1,985.24	1,974.33	1,957.75	1,938.47
24	1,918.29	1,888.31	1,890.22	1,889.35	1,928.48	1,956.27	1,982.37	1,986.94	1,985.01	1,973.86	1,957.16	1,937.82
25	1,917.43	1,887.63	1,890.14	1,889.14	1,929.66	1,957.15	1,983.33	1,986.95	1,984.74	1,973.36	1,956.57	1,937.15
26	1,916.53	1,886.98	1,889.87	1,889.11	1,932.08	1,957.92	1,984.12	1,986.98	1,984.47	1,972.88	1,956.00	1,936.48
27	1,915.66	1,886.28	1,889.16	1,889.26	1,933.53	1,958.86	1,984.86	1,986.88	1,984.20	1,972.39	1,955.41	1,935.82
28	1,914.79	1,885.61	1,889.15	1,889.37	1,934.39	1,959.79	1,985.40	1,986.96	1,983.91	1,971.89	1,954.81	1,935.14
29	1,913.89	1,885.15	1,889.09	1,889.19	1,935.01	1,960.89	1,986.12	1,986.91	1,983.62	1,971.39	1,954.21	1,934.46
30	1,912.99	1,884.87	1,889.05	1,888.63	---	1,962.07	1,986.93	1,986.90	1,983.39	1,970.88	1,953.59	1,933.76
31	1,912.07	---	1,889.04	1,888.57	---	1,962.82	---	1,986.99	---	1,970.39	1,952.98	---
MAX	1,935.79	1,911.13	1,891.46	1,889.70	1,935.01	1,962.82	1,986.93	1,987.06	1,987.01	1,983.09	1,969.88	1,952.35
MIN	1,912.07	1,884.87	1,882.93	1,886.90	1,888.57	1,935.26	1,963.41	1,986.84	1,983.39	1,970.39	1,952.98	1,933.76
(†)	26,900	15,520	17,020	16,850	39,780	60,330	82,140	82,190	78,690	66,770	52,490	38,980
(‡)	-13,830	-11,380	+1,500	-170	+22,930	+20,550	+21,810	+50	-3,500	-11,920	-14,280	-13,510
CAL YR 2003	MAX	1,987.05	MIN	1882.93	AC-FT‡	-1240						
WTR YR 2004	MAX	1,987.06	MIN	1882.93	AC-FT‡	-1750						

† Contents, in acre-feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

14362000 APPLEGATE RIVER NEAR COPPER, OR

LOCATION.--Lat 42°03'50", long 123°06'37", in SW ¼ NW ¼ sec.30, T.40 S., R.3 W., Jackson County, Hydrologic Unit 17100309, U.S. Corps of Engineers land, on left bank 0.1 mi downstream from Brushy Gulch, 0.6 mi downstream from Applegate Dam, 3.1 mi northeast of former town of Copper, and at mile 45.7.

DRAINAGE AREA.--225 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR OR-78-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,747.51 ft above NGVD of 1929. Prior to Oct. 1, 1977, at site 0.6 mi upstream at datum 12.15 ft higher.

REMARKS.--Records good except those above 600 ft³/s, which are fair and estimated daily discharges, which are poor. Flow regulated since December 1980 by Applegate Lake (station 14361900). Some storage during winter in Squaw Lakes Reservoir, capacity, 1,100 acre-ft on Squaw Creek upstream from station. Diversions upstream from station from Carberry Creek for irrigation in Thompson Creek basin. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1939-81), 438 ft³/s, 317,300 acre-ft/yr. 23 years (water years 1982-2004), 429 ft³/s, 310,500 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,800 ft³/s Jan. 15, 1974, gage height, 25.38 ft, site and datum then in use, from high-water mark in well, from rating curve extended above 12,000 ft³/s on basis of four slope-area measurements of peak flows made in 1950, 1955, 1964, and 1974; minimum discharge, 1.5 ft³/s Dec. 20, 1980, result of regulation at Applegate Dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,940 ft³/s Dec. 14, gage height, 5.86 ft; minimum discharge, 104 ft³/s Feb. 3, 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	272	172	366	445	628	452	763	380	270	273	276
2	273	272	172	446	348	691	335	904	388	270	272	276
3	273	270	172	423	106	598	224	941	410	270	271	279
4	273	270	173	331	106	309	248	908	363	270	272	279
5	273	269	177	266	115	191	380	814	341	269	273	279
6	272	268	176	189	123	170	438	738	333	268	272	278
7	271	267	172	172	124	172	441	677	299	268	272	278
8	271	266	169	288	129	170	425	684	295	270	271	277
9	270	267	168	605	147	331	408	631	311	271	272	279
10	268	272	169	631	146	495	409	605	281	271	273	279
11	270	271	172	530	131	493	450	553	273	271	274	280
12	269	270	191	450	126	477	518	524	273	271	276	279
13	269	269	807	607	129	474	502	490	273	270	275	278
14	268	269	1,690	676	130	470	374	517	273	270	274	278
15	e269	268	472	736	133	469	337	553	273	269	274	270
16	e268	268	443	622	137	488	275	534	273	269	273	271
17	e267	271	366	522	162	637	224	558	272	268	274	271
18	266	273	263	459	884	592	194	572	273	268	274	269
19	269	272	208	382	1,350	564	196	491	272	270	274	267
20	e269	271	284	389	1,280	481	197	506	272	270	273	267
21	e269	270	252	403	894	417	206	515	272	271	275	266
22	e269	269	221	404	710	599	238	577	272	271	281	266
23	e267	267	194	404	595	653	191	482	271	271	281	265
24	e267	232	441	442	499	657	197	413	271	272	280	267
25	e268	173	484	449	501	585	214	434	271	271	280	268
26	e271	173	371	381	505	493	490	441	271	271	279	267
27	e268	173	392	376	553	377	678	577	270	270	279	267
28	e264	173	258	376	528	334	706	514	270	271	279	266
29	e268	172	468	436	519	306	420	502	270	272	278	265
30	270	172	315	679	---	395	337	402	270	272	277	267
31	274	---	260	510	---	471	---	342	---	272	277	---
TOTAL	8,357	7,469	10,272	13,950	11,555	14,187	10,704	18,162	8,836	8,377	8,528	8,174
MEAN	270	249	331	450	398	458	357	586	295	270	275	272
MAX	274	273	1,690	736	1,350	691	706	941	410	272	281	280
MIN	264	172	168	172	106	170	191	342	270	268	271	265
AC-FT	16,580	14,810	20,370	27,670	22,920	28,140	21,230	36,020	17,530	16,620	16,920	16,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	322	370	549	689	531	513	414	622	396	237	228	271
MAX	506	1,033	2,374	3,542	1,685	1,481	909	1,416	1,026	376	389	435
(WY)	(1984)	(1985)	(1982)	(1997)	(1983)	(1998)	(1982)	(1983)	(1983)	(1999)	(1999)	(1983)
MIN	77.6	79.2	121	115	112	100	118	134	69.0	58.1	65.7	65.4
(WY)	(2002)	(2002)	(1995)	(1991)	(2001)	(2002)	(1994)	(2001)	(2001)	(2001)	(2001)	(2001)

14362000 APPLEGATE RIVER NEAR COPPER, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	167,834		128,571			
ANNUAL MEAN	460		351		429	
HIGHEST ANNUAL MEAN					829	1983
LOWEST ANNUAL MEAN					127	2001
HIGHEST DAILY MEAN	2,520	Jan 1	1,690	Dec 14	15,500	Jan 2, 1997
LOWEST DAILY MEAN	99	Feb 28	106	Feb 3	51	Jul 1, 2001
ANNUAL SEVEN-DAY MINIMUM	101	Feb 24	121	Feb 3	55	Jul 1, 2001
ANNUAL RUNOFF (AC-FT)	332,900		255,000		310,500	
10 PERCENT EXCEEDS	1,010		579		864	
50 PERCENT EXCEEDS	272		273		267	
90 PERCENT EXCEEDS	177		185		121	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14362000 APPLEGATE RIVER NEAR COPPER, OR

Latitude: 42° 03 ' 50"

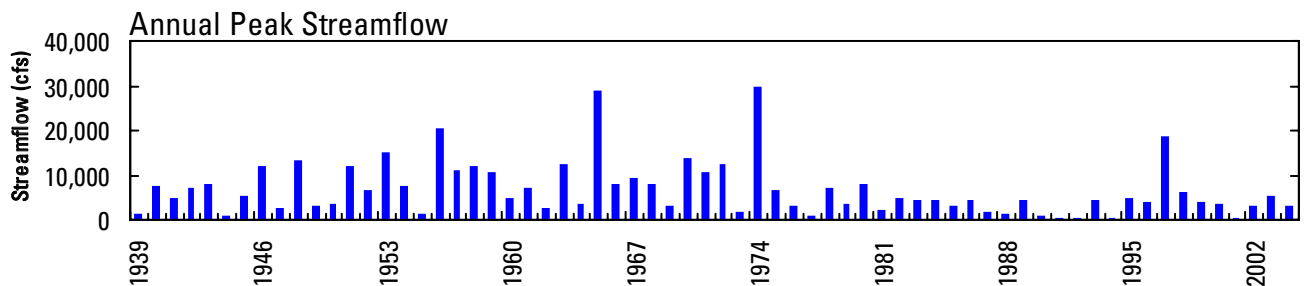
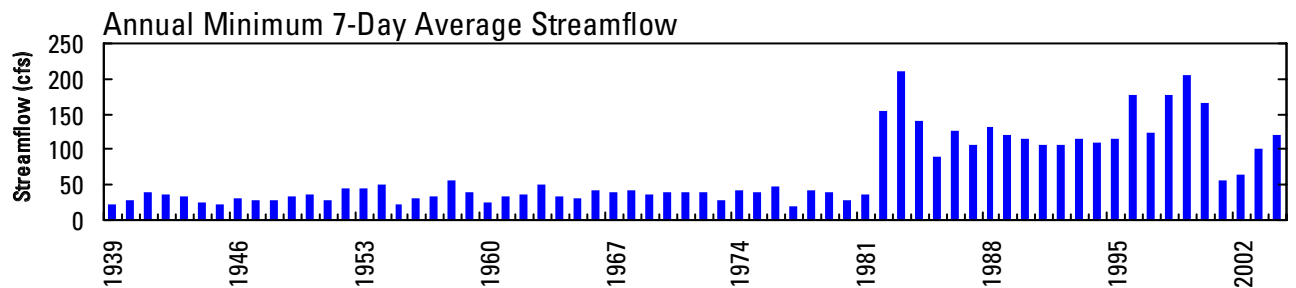
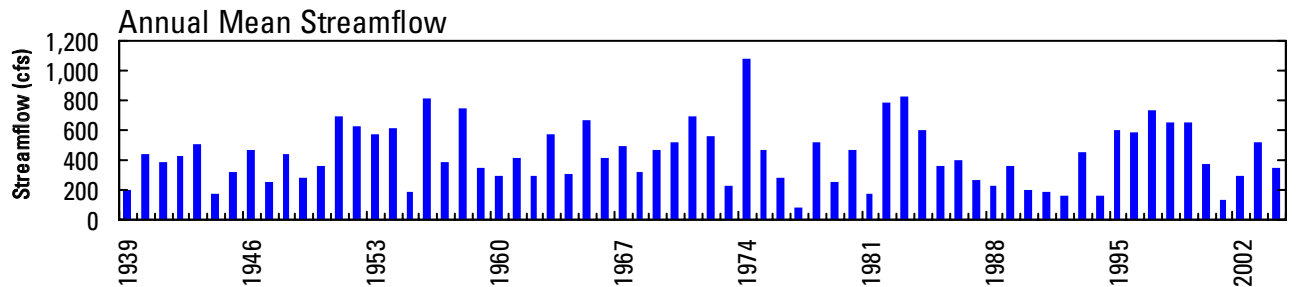
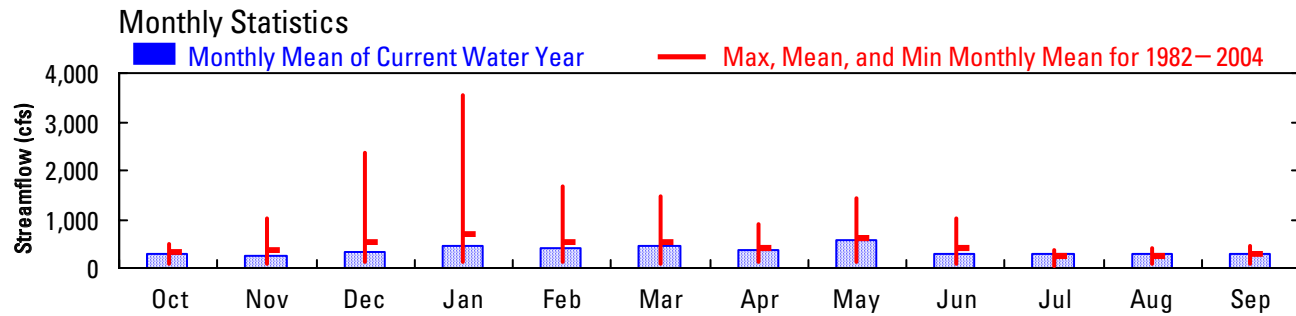
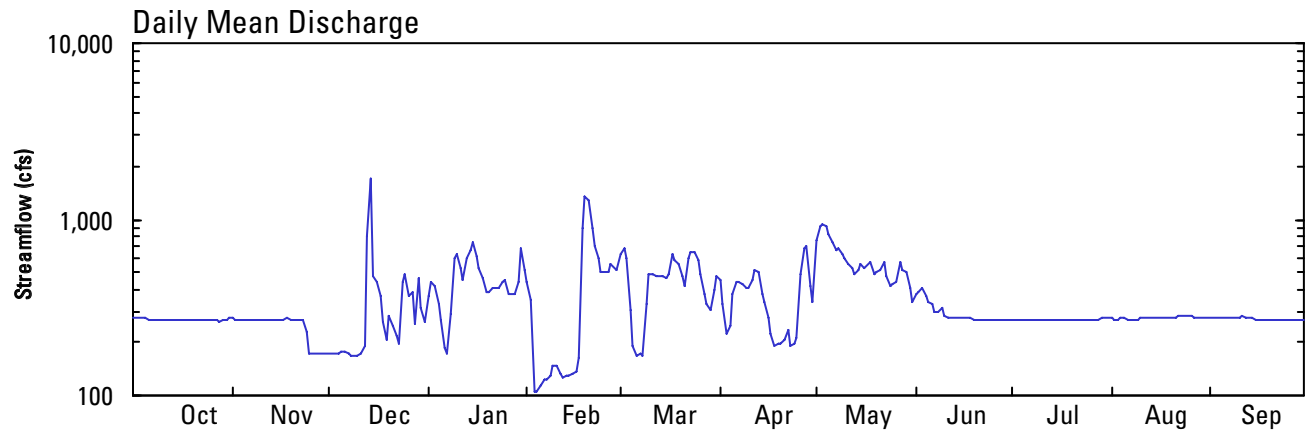
Longitude: 123° 06 ' 37"

Hydrologic Unit Code: 17100309

Jackson County

Datum: 1,747.51 feet

Drainage Area: 225 square miles



14362000 APPLEGATE RIVER NEAR COPPER, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1980 to September 1987.

pH: September 1980 to September 1987.

WATER TEMPERATURE: January 1977 to current year.

DISSOLVED OXYGEN: September 1980 to September 1987.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records good. Temperatures are affected by releases from Applegate Lake.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 188 microsiemens Sept. 13, 1980; minimum, 61 microsiemens Dec. 3, 1980, Dec. 20, 1981, June 19, 20, 1983.
pH: Maximum, 9.0 units Sept. 4, 1980; minimum recorded, 7.1 units Oct. 8-10, 13, 16, 17, 1986.

WATER TEMPERATURE: Maximum, 26.5°C Aug. 7, 1978; minimum, 0.0°C on many days during winter periods prior to filling of Applegate Lake.

DISSOLVED OXYGEN: Maximum, 15.2 mg/L Feb. 17, 18, 1986; minimum, 4.9 mg/L Sept. 28-30, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 16.7°C Aug. 6; minimum, 4.3°C Jan. 6, 7.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.2	12.5	13.3	8.6	8.1	8.3	9.2	8.8	9.0	5.1	4.7	4.9
2	13.6	12.2	12.8	8.7	8.3	8.5	9.2	8.8	8.9	5.0	4.9	4.9
3	13.3	12.4	12.8	8.9	8.5	8.7	9.2	8.8	8.9	5.0	4.7	4.8
4	13.3	12.7	13.0	9.1	8.8	8.9	9.1	8.7	8.9	4.8	4.6	4.7
5	13.4	12.3	12.8	9.6	9.1	9.4	9.2	8.9	9.0	4.7	4.4	4.5
6	13.7	12.4	12.8	10.1	9.6	9.8	9.1	8.8	9.0	4.5	4.3	4.4
7	13.2	12.0	12.5	10.9	10.1	10.6	8.8	8.2	8.5	4.5	4.3	4.4
8	13.8	11.5	12.8	11.6	10.9	11.3	8.4	7.8	8.1	4.6	4.4	4.5
9	12.5	11.4	12.1	11.9	11.6	11.7	7.8	7.3	7.6	5.1	4.5	4.8
10	12.2	11.2	11.7	11.9	11.7	11.8	7.6	7.2	7.3	4.9	4.8	4.8
11	---	---	---	11.9	11.6	11.7	7.5	7.2	7.3	5.0	4.8	4.9
12	---	---	---	11.9	11.6	11.7	7.5	7.2	7.4	5.0	4.9	5.0
13	---	---	---	11.9	11.5	11.7	8.4	7.3	7.7	5.1	5.0	5.0
14	---	---	---	11.8	11.6	11.7	8.1	7.1	7.8	5.2	5.0	5.1
15	---	---	---	11.7	11.3	11.5	7.1	6.2	6.5	5.2	5.0	5.1
16	---	---	---	11.4	11.2	11.3	6.3	6.0	6.2	5.3	5.1	5.2
17	---	---	---	11.6	11.2	11.3	6.1	5.9	6.0	5.3	5.1	5.2
18	---	---	---	11.3	10.9	11.1	6.1	5.8	5.9	5.4	5.2	5.3
19	---	---	---	11.6	10.9	11.2	6.1	5.8	5.9	5.4	5.2	5.3
20	---	---	---	11.5	11.1	11.3	6.1	5.9	6.0	5.5	5.2	5.3
21	---	---	---	11.1	10.6	10.9	6.2	5.9	6.0	5.5	5.2	5.3
22	---	---	---	10.7	10.3	10.5	6.1	5.9	6.0	5.5	5.2	5.3
23	---	---	---	10.6	10.2	10.3	6.2	5.9	6.1	5.4	5.3	5.3
24	---	---	---	10.3	9.5	10	6.3	6.1	6.2	5.3	4.8	5.1
25	---	---	---	9.8	9.4	9.5	6.4	6.2	6.3	4.9	4.6	4.7
26	---	---	---	9.8	9.3	9.5	6.4	6.0	6.3	4.9	4.6	4.7
27	---	---	---	9.4	9.1	9.3	6.1	5.7	5.9	5.0	4.8	4.9
28	---	---	---	9.6	9.1	9.2	5.9	5.6	5.7	5.0	4.9	5.0
29	---	---	---	9.2	9.0	9.1	6.1	5.7	5.9	5.5	4.9	5.2
30	8.3	7.9	8.1	9.3	9.0	9.2	5.8	5.0	5.4	5.5	5.1	5.3
31	8.4	8.0	8.1	---	---	---	5.0	4.8	4.9	5.3	5.1	5.2
MONTH	---	---	---	11.9	8.1	10.4	9.2	4.8	7.0	5.5	4.3	5.0

14362000 APPLEGATE RIVER NEAR COPPER, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.4	5.2	5.3	5.8	5.6	5.7	7.0	6.5	6.7	9.1	8.2	8.7
2	5.4	5.2	5.3	5.9	5.7	5.8	7.0	6.5	6.7	8.9	8.4	8.7
3	6.0	5.1	5.3	5.9	5.7	5.8	7.3	6.5	6.8	9.0	8.4	8.7
4	6.0	5.1	5.4	6.0	5.8	5.9	7.2	6.6	6.8	9.0	8.4	8.9
5	5.8	5.1	5.3	6.6	5.9	6.2	6.9	6.6	6.7	10.5	8.8	9.2
6	5.6	5.2	5.3	7.0	6.0	6.4	7.0	6.6	6.8	10.4	8.9	9.6
7	5.8	5.1	5.3	7.0	6.2	6.5	7.0	6.6	6.8	10	9.5	9.7
8	6.0	5.1	5.3	7.0	6.2	6.5	7.1	6.7	6.8	10.1	9.2	9.6
9	5.8	5.0	5.2	6.5	6.0	6.3	7.2	6.7	6.9	9.3	9.0	9.2
10	5.8	5.0	5.2	6.4	6.0	6.1	7.1	6.7	6.9	9.9	9.1	9.5
11	6.0	5.0	5.3	6.4	6.0	6.1	7.2	6.7	6.9	10	9.3	9.6
12	6.0	5.0	5.3	6.3	6.0	6.2	7.1	6.7	6.9	10.2	9.2	9.7
13	5.7	5.0	5.4	6.4	6.0	6.2	7.4	6.8	7.1	10.1	9.3	9.6
14	5.6	5.1	5.4	6.5	6.0	6.2	7.2	6.8	7.0	10.1	9.3	9.6
15	5.4	5.0	5.2	6.5	6.0	6.2	7.5	6.8	7.2	10.0	9.1	9.6
16	5.7	5.0	5.4	6.5	5.9	6.2	7.8	7.2	7.4	9.9	9.1	9.6
17	5.5	4.9	5.2	6.2	5.9	6.0	8.2	7.4	7.6	10.1	9.4	9.8
18	5.1	4.9	5.0	6.3	5.9	6.0	8.1	7.3	7.6	9.9	9.4	9.6
19	5.2	5.0	5.1	6.2	6.0	6.0	8.2	7.4	7.6	9.9	9.3	9.6
20	5.4	5.2	5.3	6.3	5.9	6.1	8.0	7.5	7.7	10.2	9.4	9.8
21	5.4	5.2	5.3	6.4	6.0	6.2	7.9	7.3	7.6	11.4	9.5	10.3
22	5.4	5.3	5.3	6.3	6.0	6.2	8.3	7.6	7.9	12.1	10.3	11.2
23	5.5	5.3	5.4	6.4	6.1	6.2	9.5	8.0	8.6	11.8	10.7	11.3
24	5.6	5.3	5.4	6.4	6.2	6.2	9.1	7.9	8.4	11.9	11.0	11.5
25	5.6	5.4	5.4	6.3	6.2	6.2	9.3	8.1	8.6	12.0	10.9	11.5
26	5.6	5.4	5.5	6.4	6.2	6.3	8.9	8.3	8.6	11.8	10.9	11.4
27	5.7	5.4	5.5	7.0	6.3	6.5	9.1	8.4	8.8	12.0	11.2	11.6
28	5.9	5.5	5.7	7.0	6.5	6.7	9.0	8.4	8.7	11.6	10.5	11.1
29	5.9	5.6	5.7	7.1	6.6	6.7	9.3	8.3	8.9	11.5	10.6	11.1
30	---	---	---	6.8	6.5	6.6	9.1	8.1	8.7	11.8	10.6	11.3
31	---	---	---	7.0	6.6	6.7	---	---	---	11.8	10.8	11.4
MONTH	6.0	4.9	5.3	7.1	5.6	6.2	9.5	6.5	7.5	12.1	8.2	10.1
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.2	11.1	11.7	14.8	14.2	14.5	15.2	14.3	14.7	14.8	14.1	14.5
2	12.9	11.7	12.3	14.9	14.2	14.6	15.4	14.1	14.7	14.8	14.0	14.3
3	12.8	11.8	12.4	15.1	14.4	14.8	15.2	14.3	14.8	14.7	14.1	14.3
4	13.1	12.4	12.8	15.4	14.1	14.8	15.6	13.8	15.0	14.8	14.1	14.4
5	13.4	11.9	12.6	15.3	14.4	14.9	15.6	13.8	14.8	14.8	14.2	14.4
6	13.5	11.8	12.6	15.4	14.5	15.0	16.7	12.7	14.9	14.9	14.2	14.4
7	12.6	11.4	12.0	15.3	14.3	14.9	15.0	13.4	14.4	14.9	14.1	14.4
8	12.3	11.8	12.0	15.4	13.1	14.4	15.3	14.4	14.9	14.9	13.4	14.1
9	12.4	11.6	12.0	14.8	13.9	14.4	15.3	14.2	14.9	14.9	13.3	14.2
10	12.3	11.7	12.0	15.2	13.9	14.5	15.1	14.2	14.5	14.9	14.3	14.5
11	12.5	11.5	12.1	15.3	14.1	14.7	15.1	13.7	14.3	15.0	14.4	14.7
12	12.7	11.5	12.2	15.4	13.9	14.7	14.6	13.9	14.2	14.9	14.4	14.6
13	12.6	11.8	12.3	14.7	14.0	14.5	14.8	14.1	14.4	14.7	14.3	14.5
14	12.6	12.0	12.4	15.2	14.3	14.8	15.2	14.3	14.7	14.9	14.2	14.5
15	13.0	12.1	12.6	15.5	14.3	14.9	15.4	14.4	14.9	14.8	14.3	14.5
16	13.1	12.1	12.5	15.3	14.3	14.8	15.6	14.6	15.1	14.9	14.2	14.5
17	12.8	12.2	12.5	15.4	14.5	14.8	15.6	13.8	14.8	---	---	---
18	12.9	12.3	12.6	15.4	14.3	14.9	15.6	14.0	14.7	---	---	---
19	13.1	12.2	12.7	15.2	14.1	14.7	14.9	14.1	14.4	---	---	---
20	13.2	12.4	12.8	15.3	14.4	14.8	15.2	14.4	14.7	---	---	---
21	13.9	12.9	13.5	15.3	14.1	14.7	14.7	14.0	14.3	---	---	---
22	14.2	13.4	13.7	15.2	14.3	14.8	14.4	13.9	14.1	---	---	---
23	14.4	13.7	14.0	15.3	14.4	14.9	14.8	14.0	14.5	---	---	---
24	14.8	13.6	14.2	15.0	14.6	14.8	14.8	13.9	14.4	---	---	---
25	14.7	13.9	14.4	15.2	14.5	14.8	15.4	14.2	14.7	---	---	---
26	14.9	13.2	14.1	15.4	14.1	14.8	14.8	14.1	14.4	---	---	---
27	14.8	13.8	14.2	15.4	13.5	14.3	15.0	14.2	14.5	---	---	---
28	14.8	13.8	14.3	15.3	14.0	14.6	15.1	14.3	14.6	---	---	---
29	14.8	14.0	14.4	15.3	14.1	14.7	15.2	14.4	14.7	---	---	---
30	14.9	14.1	14.4	15.2	14.1	14.6	15.3	14.1	14.7	---	---	---
31	---	---	---	15.1	14.3	14.7	15.0	14.2	14.5	---	---	---
MONTH	14.9	11.1	12.9	15.5	13.1	14.7	16.7	12.7	14.6	---	---	---

14362250 STAR GULCH NEAR RUCH, OR

LOCATION.--Lat 42°09'15", long 123°04'27", in NE ¼ NE ¼ sec.29, T.39 S., R.3 W., Jackson County, Hydrologic Unit 17100309, Bureau of Land Management land, on left bank 1.0 mi downstream from Benson Gulch, 6.0 mi southwest of Ruch, and at mile 1.1.

DRAINAGE AREA.--16.0 mi².

PERIOD OF RECORD.--July 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,667.04 ft above NGVD of 1929.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--21 years (water years 1984-2004), 5.25 ft³/s, 3,810 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,050 ft³/s Jan. 1, 1997, gage height, 5.43 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 29	0730	49	2.08	Feb 17	2100	*179	*3.03
Jan 1	1500	69	2.28	Feb 26	1400	91	2.47

Minimum discharge, no flow July 30 to Aug. 5, 11-15, Sept. 10-12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.61	1.7	2.4	40	12	30	5.2	2.4	0.92	e0.15	0.02	0.07
2	0.63	1.9	2.1	28	10	29	4.9	2.3	0.86	e0.15	0.01	0.05
3	0.66	2.0	2.0	13	8.5	27	4.7	2.2	0.82	e0.13	0.01	0.06
4	0.64	2.0	2.0	8.4	7.1	24	4.5	2.2	0.74	e0.13	0.02	0.10
5	0.62	2.1	2.5	6.2	6.0	21	4.4	2.3	0.67	e0.13	0.03	0.12
6	0.64	2.1	6.4	5.6	5.6	18	4.3	2.2	0.70	e0.13	0.05	0.16
7	0.65	2.1	3.8	6.7	5.4	15	4.1	2.2	0.80	e0.14	0.09	0.13
8	0.69	2.1	3.1	13	4.9	15	4.0	2.2	1.1	e0.12	0.14	0.09
9	0.74	2.1	2.3	18	4.7	15	3.9	2.1	1.1	e0.12	0.12	0.07
10	0.85	2.0	2.0	15	4.5	13	3.8	2.3	e0.96	e0.13	0.07	0.03
11	0.93	1.9	1.7	12	4.4	12	3.6	2.3	e0.80	e0.12	0.03	0.02
12	1.0	1.9	1.8	10	4.2	10	3.6	2.1	e0.68	e0.12	0.01	0.03
13	1.0	1.9	3.8	11	4.0	9.3	3.5	1.9	e0.58	e0.12	e0.02	0.06
14	1.0	1.9	14	10	3.8	8.4	3.5	1.7	e0.52	e0.12	e0.02	0.13
15	1.0	1.9	5.9	10	3.6	7.5	3.7	1.6	e0.46	e0.12	e0.02	0.19
16	1.0	1.9	3.7	8.2	4.7	6.8	3.8	1.6	e0.42	e0.12	e0.02	0.25
17	1.0	2.0	3.0	6.5	119	6.5	3.8	1.6	e0.38	e0.11	e0.02	0.28
18	0.97	1.9	2.7	5.4	120	6.2	3.5	2.0	e0.34	e0.11	e0.02	0.34
19	0.94	1.9	2.5	5.1	64	5.7	3.4	1.9	e0.30	e0.11	e0.02	0.43
20	0.98	2.0	2.6	5.4	38	5.3	3.6	1.6	e0.27	e0.11	e0.02	0.51
21	1.0	2.1	2.5	5.1	27	5.2	3.7	1.6	e0.25	e0.12	e0.02	0.52
22	1.1	2.0	2.2	4.4	20	5.1	3.5	1.4	e0.24	e0.15	e0.02	0.47
23	1.2	1.9	2.1	4.2	16	5.0	3.3	1.4	e0.23	0.23	e0.04	0.41
24	1.3	2.0	8.0	4.7	13	4.9	3.2	1.3	e0.21	0.18	e0.11	0.37
25	1.4	2.1	8.5	5.1	16	5.5	3.0	1.2	e0.21	0.13	0.28	0.31
26	1.3	2.1	4.9	5.0	74	6.3	2.8	1.1	e0.20	0.10	0.32	0.29
27	1.3	2.0	3.5	5.2	68	5.5	2.7	1.2	e0.19	0.09	0.34	0.33
28	1.3	2.0	3.1	5.1	44	5.0	2.6	1.4	e0.19	0.07	0.31	0.41
29	1.3	2.4	29	5.1	32	4.8	2.6	1.2	e0.18	0.06	0.24	0.44
30	1.5	2.8	14	9.2	---	5.5	2.5	1.1	e0.17	0.04	0.17	0.48
31	1.6	---	7.6	15	---	5.7	---	1.0	---	0.02	0.12	---
TOTAL	30.85	60.7	155.7	305.6	744.4	343.2	109.7	54.6	15.49	3.68	2.73	7.15
MEAN	1.00	2.02	5.02	9.86	25.7	11.1	3.66	1.76	0.52	0.12	0.09	0.24
MAX	1.6	2.8	29	40	120	30	5.2	2.4	1.1	0.23	0.34	0.52
MIN	0.61	1.7	1.7	4.2	3.6	4.8	2.5	1.0	0.17	0.02	0.01	0.02
AC-FT	61	120	309	606	1,480	681	218	108	31	7.3	5.4	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	MEAN	0.82	3.00	9.06	12.5	12.9	11.2	6.92	3.55	1.84	0.85	0.45	0.40
	MAX	1.98	18.0	50.7	75.3	49.3	34.0	19.6	9.08	6.07	3.11	1.61	1.09
(WY)	(1984)	(1985)	(1997)	(1997)	(1999)	(1999)	(1995)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)
	MIN	0.02	0.23	0.87	1.13	1.30	0.95	1.00	0.22	0.01	0.00	0.00	0.00
(WY)	(1993)	(1993)	(1990)	(1992)	(2001)	(1992)	(1994)	(1992)	(1992)	(1992)	(1994)	(1988)	(1991)

ROGUE RIVER BASIN

14362250 STAR GULCH NEAR RUCH, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	2,492.25		1,833.80		5.25	
ANNUAL MEAN	6.83		5.01		15.1	
HIGHEST ANNUAL MEAN					0.60	
LOWEST ANNUAL MEAN					1997	
HIGHEST DAILY MEAN	80	Jan 1	120	Feb 18	621	Jan 1, 1997
LOWEST DAILY MEAN	0.21	Sep 3	0.01	Aug 2	0.00	Aug 10, 1987
ANNUAL SEVEN-DAY MINIMUM	0.27	Aug 29	0.02	Aug 12	0.00	Aug 21, 1987
ANNUAL RUNOFF (AC-FT)	4,940		3,640		3,810	
10 PERCENT EXCEEDS	15		11		12	
50 PERCENT EXCEEDS	3.0		1.9		1.5	
90 PERCENT EXCEEDS	0.54		0.10		0.06	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14362250 STAR GULCH NEAR RUCH, OR.

Latitude: 42°09'15"

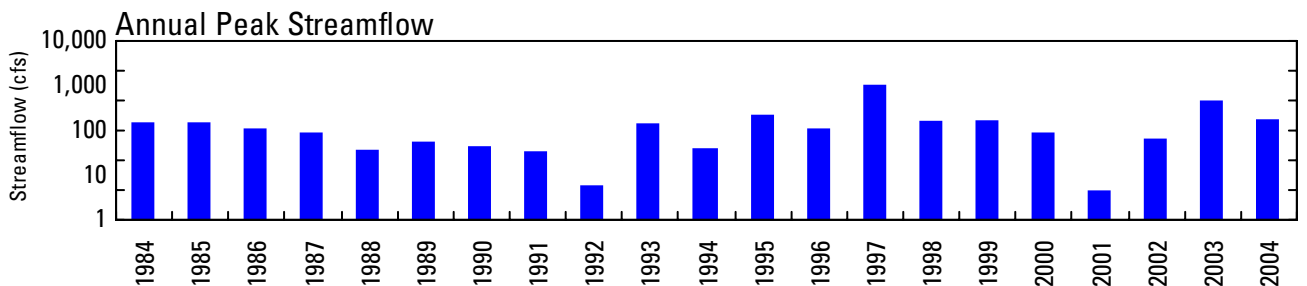
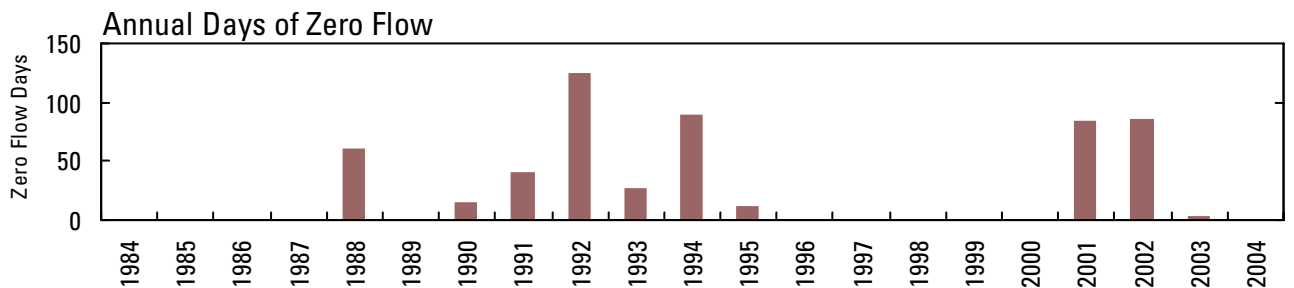
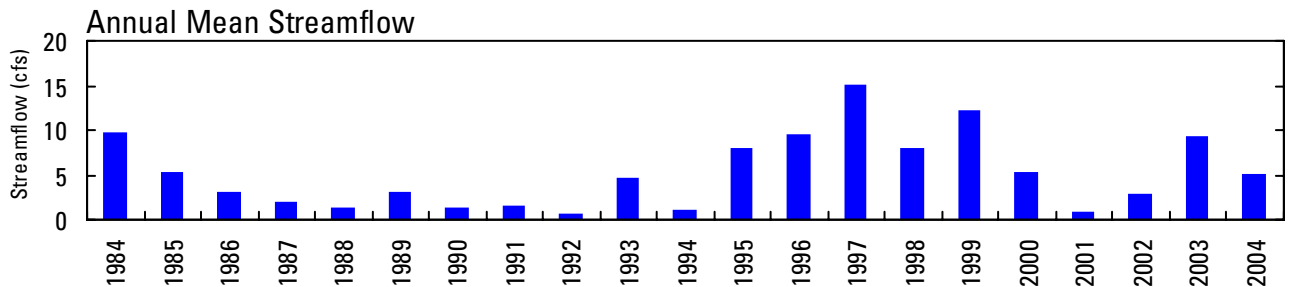
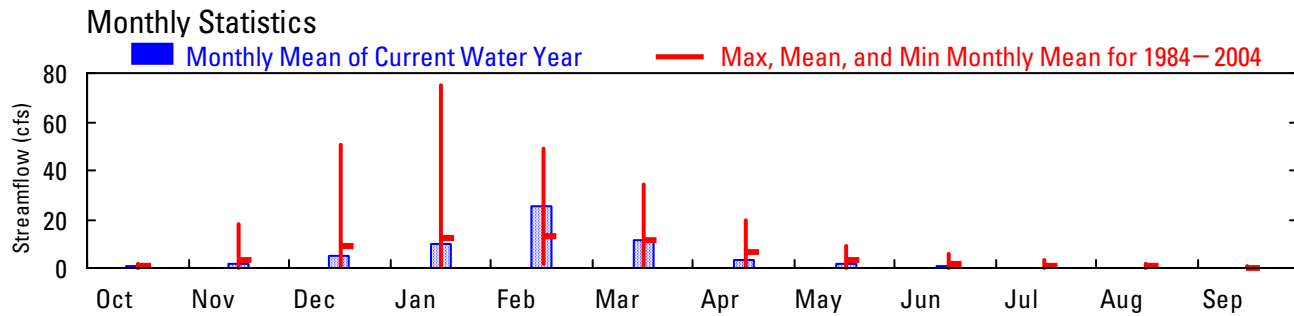
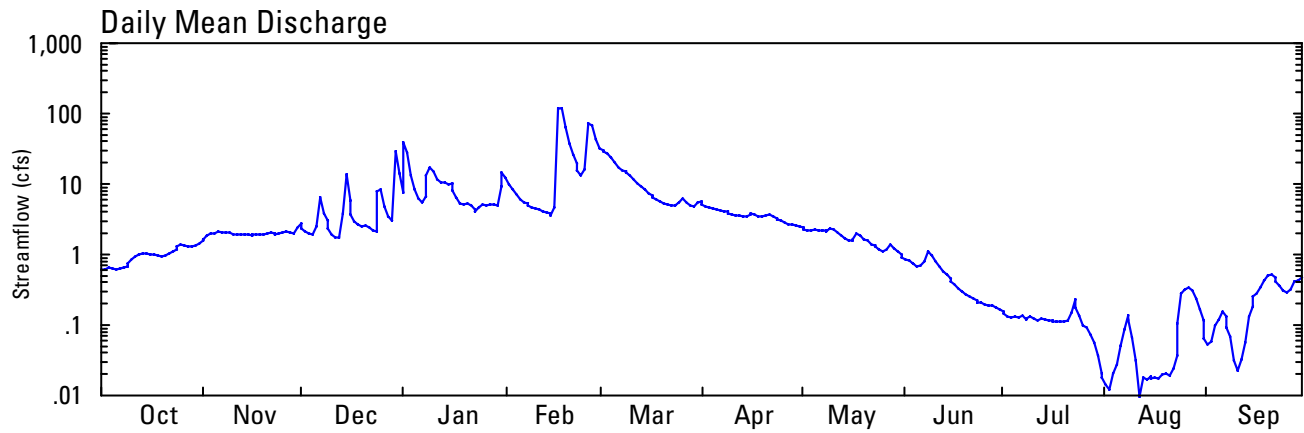
Longitude: 123°04'27"

Hydrologic Unit Code: 17100309

Jackson County

Datum: 1,667.04 feet

Drainage Area: 16 square miles



14366000 APPLEGATE RIVER NEAR APPLEGATE, OR

LOCATION.--Lat 42°14'30", long 123°08'20", in NE ¼ sec.26, T.38 S., R.4 W., Jackson County, Hydrologic Unit 17100309, on left bank 0.9 mi downstream from Keeler Creek, 1.8 mi southeast of Applegate, and at mile 26.7.

DRAINAGE AREA.--483 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

RECORDS.--WSP 1738: Drainage area. WSP 1935: 1953(M). WDR OR-76-1: 1956(M), 1965(M).

GAGE.--Water-stage recorder. Datum of gage is 1,285.33 ft above NGVD of 1929. Prior to Dec. 23, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since December 1980 by Applegate Lake (station 14361900). Many diversions for irrigation upstream from station. McDonald Creek Canal diverts from McDonald Creek upstream from station for irrigation in Bear Creek basin. Thompson Creek Irrigation Association ditch diverts upstream from station for irrigation in Thompson Creek basin. Fowler-Keeler and Berryman ditches divert upstream from station for irrigation downstream. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--42 years (water years 1939-80), 548 ft³/s, 397,000 acre-ft/yr. 24 years (water years 1981-2004), 520 ft³/s, 376,700 acre-ft/yr, regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,200 ft³/s Jan. 15, 1974, gage height, 20.41 ft, from rating curve extended above 18,000 ft³/s on basis of slope-area measurements of flow at gage heights 18.00 ft and 19.57 ft; minimum discharge, 4.6 ft³/s Sept. 22-25, 1979. Minimum since first filling of Applegate Lake, 22 ft³/s July 24, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 20, 1927, reached a stage of 18.7 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,970 ft³/s Dec. 14, gage height, 5.06 ft; minimum discharge, 185 ft³/s Nov. 28, 29, Dec. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	281	198	577	579	924	600	778	464	285	271	276
2	264	288	194	643	508	1,020	490	1,010	478	278	270	278
3	260	288	188	589	244	922	361	1,050	487	278	268	276
4	260	288	187	436	199	624	365	1,070	458	273	269	274
5	264	286	201	385	195	446	464	939	422	269	267	276
6	265	286	288	284	207	393	565	884	421	265	265	277
7	263	286	234	268	207	376	564	800	387	259	269	274
8	263	287	209	359	200	377	544	822	403	261	268	273
9	262	300	197	779	216	488	530	740	398	257	263	268
10	260	297	194	832	217	722	526	739	367	256	259	270
11	262	298	193	707	208	719	558	663	348	252	262	271
12	261	297	196	568	194	687	621	641	339	252	263	275
13	260	295	608	727	193	676	649	584	331	250	265	275
14	260	292	1,920	799	192	661	505	600	328	247	262	275
15	260	289	650	885	192	654	435	640	321	245	262	269
16	259	287	466	772	213	643	395	638	316	245	265	267
17	258	289	443	650	1,350	799	331	632	306	245	266	268
18	257	293	336	573	2,110	776	289	781	301	244	269	271
19	258	291	241	469	2,050	751	281	691	302	245	264	271
20	259	299	319	463	1,800	669	288	637	300	251	266	275
21	259	294	304	475	1,320	586	281	653	301	248	267	276
22	258	290	272	470	1,040	731	317	708	293	249	281	272
23	260	286	226	470	871	826	276	638	296	248	284	269
24	262	280	474	519	726	828	270	529	291	245	280	270
25	263	195	578	535	773	778	288	531	288	266	280	273
26	265	192	437	475	1,100	680	496	534	288	267	283	272
27	261	188	436	450	1,050	541	769	675	282	267	279	268
28	259	187	337	450	914	463	849	665	279	264	279	268
29	261	193	618	469	827	437	585	632	277	265	279	267
30	265	205	487	799	---	513	410	532	287	270	278	269
31	277	---	350	681	---	620	---	436	---	268	276	---
TOTAL	8,112	8,127	11,981	17,558	19,895	20,330	13,902	21,872	10,359	8,014	8,379	8,163
MEAN	262	271	386	566	686	656	463	706	345	259	270	272
MAX	277	300	1,920	885	2,110	1,020	849	1,070	487	285	284	278
MIN	257	187	187	268	192	376	270	436	277	244	259	267
AC-FT	16,090	16,120	23,760	34,830	39,460	40,320	27,570	43,380	20,550	15,900	16,620	16,190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

	312	410	722	885	763	707	566	745	452	230	205	252
MEAN												
MAX	507	1,261	3,077	4,904	2,552	1,892	1,304	1,705	1,237	441	413	425
(WY)	(1983)	(1985)	(1982)	(1997)	(1983)	(1995)	(1983)	(1983)	(1983)	(1998)	(1999)	(1983)
MIN	51.6	97.8	149	133	141	142	139	155	48.2	35.2	36.9	43.7
(WY)	(1981)	(1981)	(1995)	(2001)	(2001)	(1992)	(1992)	(2001)	(2001)	(2001)	(2001)	(2001)

14366000 APPLEGATE RIVER NEAR APPLEGATE, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	210,075		156,692			
ANNUAL MEAN	576		428		520	
HIGHEST ANNUAL MEAN					1,072	1983
LOWEST ANNUAL MEAN					139	2001
HIGHEST DAILY MEAN	3,840	Jan 1	2,110	Feb 18	24,400	Jan 1, 1997
LOWEST DAILY MEAN	187	Nov 28	187	Nov 28	17	Oct 8, 1980
ANNUAL SEVEN-DAY MINIMUM	193	Nov 28	193	Nov 28	21	Oct 4, 1980
ANNUAL RUNOFF (AC-FT)	416,700		310,800		376,700	
10 PERCENT EXCEEDS	1,310		772		1,110	
50 PERCENT EXCEEDS	295		288		276	
90 PERCENT EXCEEDS	245		245		139	



2004 Water Year
ROGUE RIVER BASIN

14366000 APPLEGATE RIVER NEAR APPLEGATE, OR

Latitude: 42° 14 ' 30"

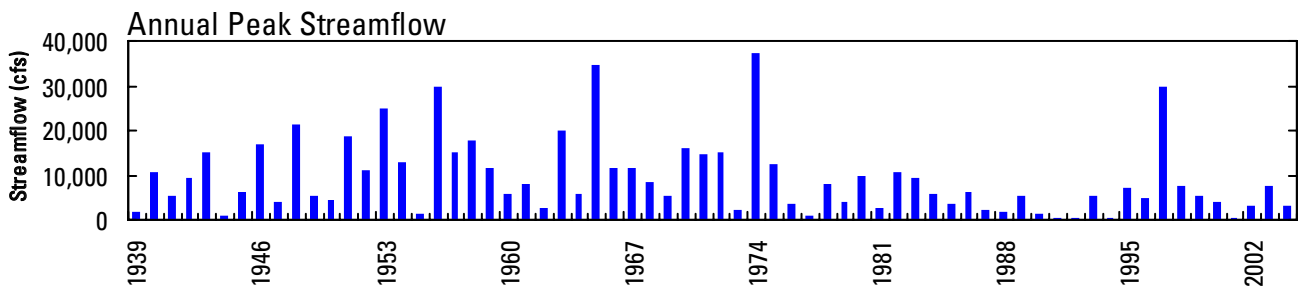
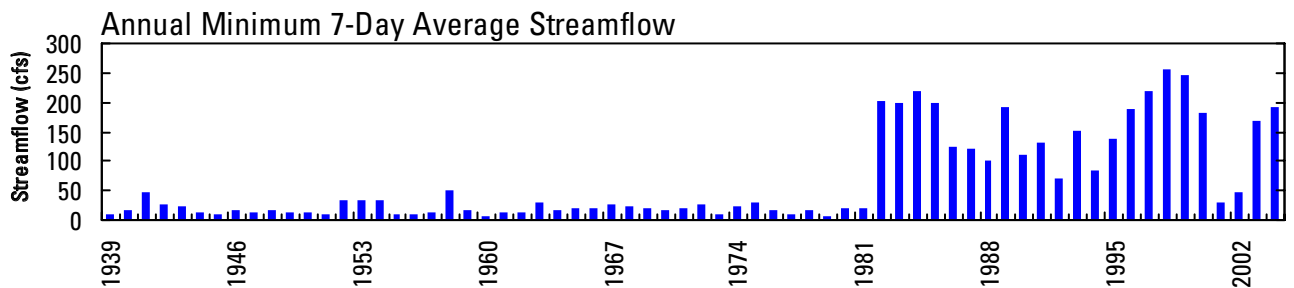
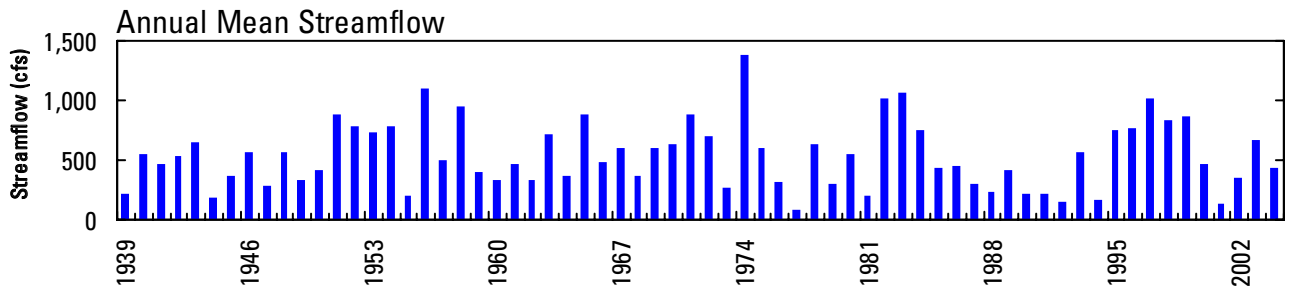
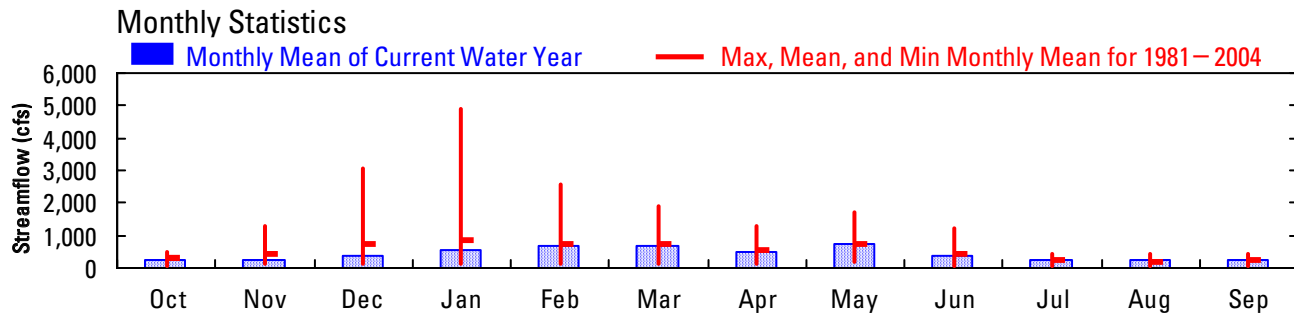
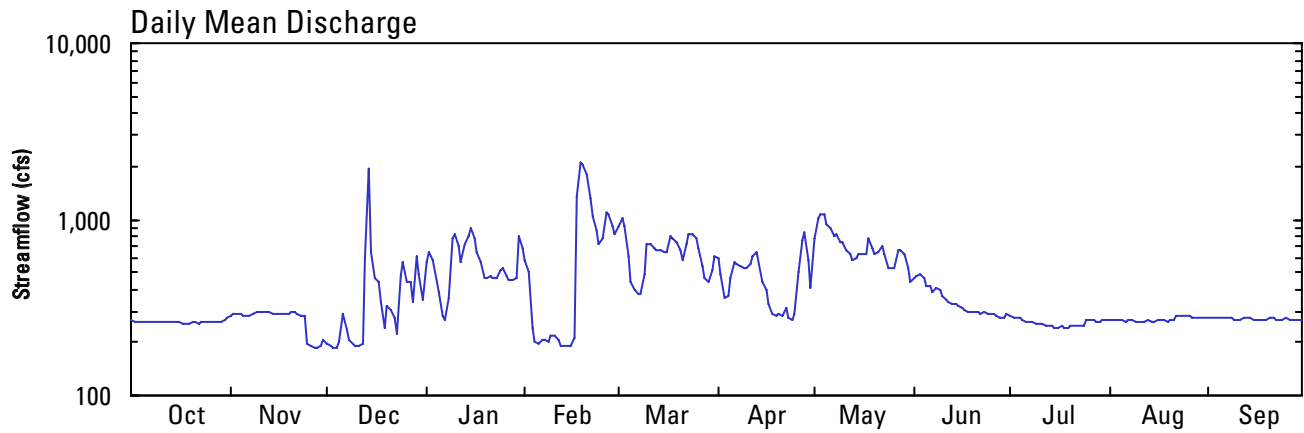
Longitude: 123° 08 ' 20"

Hydrologic Unit Code: 17100309

Jackson County

Datum: 1,285.33 feet

Drainage Area: 483 square miles



14366000 APPLEGATE RIVER NEAR APPLEGATE, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1973 to current year.

INSTRUMENTATION.--Temperature recorder since August 1973.

REMARKS.--Records good except those for the period Oct. 1 to July 9, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0°C July 29, 30, Aug. 3, 4, 1974; minimum, 0.0°C on several days during winter periods most years. Maximum since full operation of Applegate Lake, 25.5°C July 5, 1984, July 16, 19, 27, 1992; minimum, 0.0°C on several days during winter periods most years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.0°C July 23; minimum, 3.5°C Feb. 10.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.8	13.2	15.0	8.1	5.3	6.8	9.3	8.7	8.9	5.5	4.7	5.0
2	16.5	12.6	14.6	8.7	7.1	7.9	9.2	7.6	8.5	5.3	4.5	4.8
3	15.8	12.6	14.4	9.3	7.5	8.4	10.0	8.7	9.2	5.4	4.3	4.9
4	15.8	13.1	14.6	8.5	7.5	7.9	9.4	7.7	8.6	5.7	4.6	5.1
5	16.5	12.8	14.6	9.5	7.6	8.5	10.1	9.4	9.7	5.8	4.7	5.2
6	16.2	12.5	14.5	9.1	8.4	8.8	9.4	8.4	9.1	5.8	5.1	5.5
7	15.9	13.3	14.6	10.5	8.4	9.4	8.5	7.6	8.0	6.5	5.2	5.8
8	14.7	11.4	13.3	10.5	9.2	9.9	7.7	6.4	7.1	6.7	5.6	6.1
9	14.4	12.3	13.4	11.2	9.2	10.2	7.3	6.8	7.1	6.0	4.9	5.5
10	14.1	11.0	12.5	11.4	10.2	10.8	7.6	6.3	6.9	6.0	5.0	5.5
11	12.1	10.1	11.1	11.8	10.5	11.1	7.3	6.0	6.7	6.3	4.7	5.5
12	11.5	9.3	10.4	11.8	9.9	10.7	7.6	6.9	7.3	6.0	4.7	5.4
13	10.8	7.2	9.1	10.8	8.3	9.7	8.7	7.5	8.0	6.6	5.3	5.9
14	11.2	8.2	9.7	10.3	8.4	9.5	8.2	7.3	7.8	6.5	5.7	6.1
15	9.5	7.8	8.7	11.2	9.5	10.3	7.3	6.0	6.9	6.7	5.8	6.1
16	11.5	8.0	9.6	10.7	9.9	10.4	6.9	5.4	6.2	6.6	5.6	6.1
17	11.3	8.1	9.7	11.5	10.0	10.7	7.2	6.0	6.5	6.2	4.7	5.5
18	11.4	7.9	9.6	10.9	8.6	10	6.4	4.7	5.5	7.2	5.5	6.2
19	11.5	8.9	10.2	10.4	8.6	9.7	6.4	4.8	5.6	6.8	5.7	6.3
20	10.9	9.2	10.1	10.5	9.4	9.8	6.7	6.0	6.4	7.4	5.6	6.5
21	12.0	8.9	10.4	10.3	8.8	9.4	7.5	6.5	6.9	6.2	4.5	5.2
22	11.6	8.7	10.2	9.3	7.6	8.4	6.8	5.9	6.3	5.9	3.8	4.8
23	11.1	8.8	10.1	8.4	6.3	7.4	7.1	5.6	6.4	6.0	4.6	5.2
24	10.4	7.4	8.9	9.5	7.6	8.4	7.2	6.1	6.8	6.3	5.2	5.8
25	10.5	7.4	9.0	8.0	6.7	7.4	6.6	5.6	6.1	6.1	4.5	5.1
26	10.8	7.8	9.3	9.2	7.6	8.2	6.0	5.3	5.7	5.2	4.0	4.6
27	11.0	8.0	9.5	7.6	6.3	6.9	6.4	4.7	5.5	6.5	5.0	5.6
28	11.1	8.0	9.6	8.8	7.1	7.8	5.7	5.1	5.5	6.4	5.0	5.7
29	10.4	8.6	9.5	9.4	8.8	9.2	6.2	5.3	5.7	7.4	5.3	6.2
30	9.8	7.8	8.7	9.6	8.6	9.1	6.0	5.5	5.8	6.6	5.4	6.1
31	8.6	6.4	7.7	---	---	---	5.8	5.1	5.5	6.1	4.7	5.4
MONTH	16.8	6.4	11.1	11.8	5.3	9.1	10.1	4.7	7.0	7.4	3.8	5.6

14366000 APPLEGATE RIVER NEAR APPLEGATE, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	5.2	6.0	7.3	6.3	6.7	10.8	6.2	8.4	14.1	9.5	11.8
2	7.0	5.8	6.3	8.6	5.9	7.2	11.3	5.9	8.6	14.1	9.2	11.3
3	6.8	4.7	5.7	7.2	5.4	6.3	12.9	7.0	10	14.1	9.6	11.4
4	8.3	5.6	6.5	8.2	6.1	7.2	13.2	8.4	10.8	13.8	9.1	11.1
5	6.9	4.8	5.9	7.8	6.8	7.3	11.8	9.1	9.9	14.0	9.3	11.3
6	6.8	5.5	6.0	10.1	6.5	8.2	11.7	8.1	9.4	13.9	9.2	11.4
7	7.0	5.5	6.1	11.1	6.9	8.8	11.6	7.1	9.3	12.4	10.2	11.2
8	7.4	4.9	5.9	11.5	7.2	9.3	12.8	7.6	10.0	13.1	9.9	11.4
9	7.1	4.4	5.4	11.2	7.9	9.4	12.8	7.3	10	11.7	10.3	10.9
10	6.7	3.5	5.0	10.3	6.7	8.3	12.5	7.4	10	12.5	9.8	10.9
11	7.0	3.7	5.2	10.0	6.1	7.9	12.6	7.6	10.1	13.4	9.8	11.4
12	7.1	3.7	5.2	10.1	6.3	8.1	12.4	7.9	10.1	15.0	9.3	12.0
13	6.4	4.1	5.3	10.2	6.3	8.2	11.1	7.8	9.4	15.6	9.5	12.4
14	7.3	4.9	6.0	10.5	6.8	8.5	11.3	7.7	9.4	15.6	9.9	12.6
15	6.8	5.2	6.1	10.5	6.4	8.3	9.6	7.0	8.4	14.5	10.7	12.5
16	7.0	6.3	6.6	10.6	6.3	8.3	10.7	8.0	9.3	15.2	10.5	12.6
17	7.0	5.5	6.3	10.0	6.3	8.0	12.1	8.2	9.9	13.5	10.3	12.1
18	7.4	6.0	6.8	9.9	6.6	8.1	10.6	7.9	9.3	11.6	10.8	11.0
19	7.3	5.7	6.2	10.0	6.5	8.0	10.8	7.8	9.4	15.3	10.3	12.4
20	7.1	5.2	6.0	10.4	5.9	8.1	10.8	8.5	9.7	15.7	10.2	12.8
21	7.0	5.7	6.3	11.0	7.0	9.0	12.5	8.8	10.5	16.0	10.8	13.2
22	7.4	5.8	6.5	10.7	7.2	8.9	14.0	8.8	11.2	16.6	11.6	13.8
23	8.2	6.3	7.0	10.7	7.3	8.8	14.3	9.0	11.5	16.3	10.8	13.3
24	8.4	6.1	7.0	9.4	6.8	8.0	15.1	9.8	12.3	17.2	10.5	13.7
25	7.7	6.3	6.7	8.1	6.8	7.5	15.9	10.1	12.9	17.7	11.4	14.5
26	8.0	6.0	6.8	9.3	6.3	7.6	15.3	10.7	13.0	17.4	12.0	14.8
27	7.6	6.1	6.8	11.3	6.9	8.8	14.8	9.8	12.0	15.6	12.3	13.5
28	8.4	6.4	7.2	11.8	6.5	9.1	13.4	9.1	11.0	15.2	12.2	13.4
29	7.4	6.4	6.9	12.5	7.2	9.7	14.4	8.4	11.2	16.4	11.5	13.6
30	---	---	---	10.8	8.0	9.0	15.2	9.2	12.2	17.4	10.8	14.0
31	---	---	---	10.7	7.0	8.5	---	---	---	17.9	12.0	14.8
MONTH	8.4	3.5	6.2	12.5	5.4	8.2	15.9	5.9	10.3	17.9	9.1	12.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18.1	11.9	14.9	22.5	16.4	19.6	22.2	16.4	19.4	19.6	15.5	17.7
2	18.7	12.2	15.4	22.0	16.3	19.2	21.5	16.7	19.1	17.9	14.7	16.3
3	19.0	12.8	15.8	22.7	16.7	19.7	21.2	15.6	18.3	18.7	13.4	16.0
4	19.4	12.7	15.9	22.4	16.6	19.1	21.5	16.0	18.7	19.2	14.2	16.7
5	18.7	13.3	15.8	22.2	16.1	19.2	19.8	16.3	18.3	19.4	14.5	17.0
6	16.3	13.1	14.7	22.4	16.1	19.5	19.9	15.8	17.9	19.4	14.5	17.0
7	15.6	13.1	14.2	22.1	17.2	19.5	20.9	15.8	18.3	19.1	14.2	16.7
8	14.2	12.2	13.1	---	15.4	---	21.7	15.4	18.5	19.4	14.4	16.9
9	17.0	12.3	14.2	20.7	15.0	18.1	22.2	16.2	19.2	18.8	14.3	16.7
10	18.2	12.9	15.4	20.4	14.4	17.5	21.9	16.3	19.2	19.5	14.8	17.2
11	17.8	13.1	15.4	20.9	14.6	17.8	22.1	16.4	19.3	19.1	15.3	17.3
12	16.9	12.3	14.6	21.8	15.7	18.7	21.5	16.4	19.1	18.8	16.0	17.4
13	19.6	13.6	16.4	21.4	15.4	18.5	22.1	16.6	19.4	18.3	14.9	16.5
14	19.7	13.9	16.7	21.8	16.1	19.0	21.9	16.9	19.5	18.2	13.9	16.0
15	19.6	13.1	16.3	21.2	15.3	18.4	21.6	16.6	19.2	17.7	14.9	16.3
16	20.3	13.8	17.0	22.0	15.9	19.0	21.2	16.0	18.7	18.4	14.2	16.2
17	20.5	13.5	17.1	22.2	16.7	19.4	21.6	16.1	18.9	16.8	14.4	15.5
18	20.7	14.3	17.6	20.2	16.2	18.5	21.5	16.1	19.0	16.0	13.7	14.7
19	20.6	14.2	17.6	20.7	16.5	18.5	21.3	16.2	18.9	15.9	13.0	14.3
20	20.4	14.4	17.6	21.8	15.9	18.8	21.6	16.1	18.8	16.8	13.3	14.8
21	21.2	14.2	17.8	22.4	16.3	19.4	20.2	16.1	18.4	16.7	12.1	14.4
22	21.7	15.8	18.7	22.6	16.1	19.4	18.8	16.5	17.4	17.4	12.8	15.0
23	21.5	15.8	18.6	23.0	16.8	19.9	18.4	15.4	16.9	17.9	13.7	15.8
24	22.0	16.2	19.0	22.8	16.9	19.9	19.6	15.5	17.3	18.2	13.8	16.0
25	21.5	15.6	18.6	22.4	17.4	20.0	18.9	15.6	17.1	18.2	14.1	16.2
26	21.3	15.2	18.4	22.1	16.4	19.3	18.1	15.7	16.9	18.0	14.8	16.2
27	21.1	15.2	18.0	21.9	15.7	18.9	19.9	14.4	17.0	17.9	13.5	15.7
28	21.5	15.5	18.5	22.3	16.1	19.2	20.4	15.0	17.7	18.1	14.0	16.1
29	21.4	15.9	18.7	22.2	16.4	19.4	20.8	15.4	18.2	17.3	14.6	15.9
30	22.1	15.9	18.9	22.0	16.4	19.3	20.9	15.6	18.3	17.5	14.0	15.8
31	---	---	---	22.2	16.4	19.3	20.3	16.0	18.2	---	---	---
MONTH	22.1	11.9	16.7	---	14.4	---	22.2	14.4	18.4	19.6	12.1	16.1

14369500 APPLEGATE RIVER NEAR WILDERVILLE, OR

LOCATION.--Lat 42°21'15", long 123°24'20", in SE ¼ NE ¼ sec.16, T.37 S., R.6 W., Josephine County, Hydrologic Unit 17100309, on left bank 0.3 mi downstream from Jackson Creek, 3.6 mi southeast of Wilderville, and at mile 7.6.

DRAINAGE AREA.--698 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to September 1955, September 1978 to current year.

REVISED RECORDS.--WSP 1318: 1943. WSP 1738: 1951, 1953, drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 947.18 ft above NGVD of 1929 (Corps of Engineers bench mark). Prior to Sept. 1, 1978, nonrecording gage at site 1,100 ft upstream at datum 2.36 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since December 1980 by Applegate Lake (station 14361900). Many diversions for irrigation upstream from station. Wilderville ditch diverts up to 16 ft³/s 0.3 mi upstream and at the mouth of Jackson Creek. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--19 years (water years 1939-55, 1979, 1980), 717 ft³/s, 519,500 acre-ft/yr. 24 years (water years 1981-2004), 710 ft³/s, 514,400 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,500 ft³/s Jan. 18, 1953, gage height, 18.3 ft, from floodmark, site and datum then in use, from rating curve extended above 12,000 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 0.78 ft³/s Aug. 22-24, 1979. Minimum since first filling of Applegate Lake, 7.0 ft³/s July 26-28, Aug. 11, 12, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 22, 1955, reached a stage of 20.3 ft, from floodmark, former site and datum, discharge, 66,500 ft³/s, from rating curve extended above 12,000 ft³/s on basis of slope-area measurement of peak flow.

Flood of February 1927 reached a stage of 22 ft at former site, from local resident. Floods of Dec. 22, 1964, and Jan. 15, 1974, are known to have exceeded the December 1955 flood.

No flow was observed at present site during the late summer of 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,340 ft³/s Feb. 18, gage height, 6.56 ft; minimum discharge, 181 ft³/s July 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	279	217	1,240	930	1,400	748	708	473	274	224	239
2	250	305	210	1,320	846	1,520	669	972	480	258	224	241
3	251	304	205	1,040	621	1,370	551	1,020	476	258	223	247
4	255	305	204	789	466	1,120	500	1,090	483	257	224	244
5	250	299	219	692	427	878	547	957	431	256	222	242
6	249	297	403	582	426	765	664	922	437	250	223	246
7	237	292	363	566	460	713	670	836	425	241	222	243
8	236	291	308	829	434	696	651	858	443	254	227	240
9	247	300	251	1,220	421	712	634	787	428	256	232	248
10	244	300	230	1,280	413	943	616	791	410	246	224	250
11	248	298	221	1,110	397	952	620	728	380	238	217	240
12	257	290	233	926	368	904	666	704	364	238	221	246
13	257	287	920	985	356	878	738	616	351	235	224	253
14	256	285	2,320	1,070	356	849	634	592	338	231	223	251
15	251	283	1,160	1,140	390	830	576	623	331	230	223	247
16	255	286	650	1,060	546	808	532	650	323	228	225	245
17	259	283	625	888	2,740	894	468	622	319	226	223	248
18	257	287	484	788	3,590	924	424	766	302	234	228	257
19	256	289	389	698	2,790	888	400	739	295	243	233	269
20	260	296	391	654	2,320	828	496	639	291	239	232	276
21	259	293	412	651	1,840	736	780	662	292	234	228	274
22	260	285	370	629	1,450	791	692	695	280	235	240	259
23	258	279	333	623	1,230	919	581	676	280	231	257	256
24	265	278	523	700	1,090	931	504	565	280	227	254	254
25	266	231	878	728	1,140	919	472	533	276	223	255	256
26	258	204	691	685	2,120	884	555	528	273	219	259	259
27	258	202	589	707	1,940	798	823	610	274	219	258	262
28	262	198	526	743	1,550	686	916	688	277	214	253	258
29	259	210	1,310	721	1,320	641	786	647	274	220	257	256
30	265	227	1,170	1,140	---	651	539	583	267	225	258	263
31	273	---	733	1,150	---	769	---	483	---	221	251	---
TOTAL	7,894	8,263	17,538	27,354	32,977	27,597	18,452	22,290	10,553	7,360	7,264	7,569
MEAN	255	275	566	882	1,137	890	615	719	352	237	234	252
MAX	273	305	2,320	1,320	3,590	1,520	916	1,090	483	274	259	276
MIN	236	198	204	566	356	641	400	483	267	214	217	239
AC-FT	15,660	16,390	34,790	54,260	65,410	54,740	36,600	44,210	20,930	14,600	14,410	15,010

14369500 APPLEGATE RIVER NEAR WILDERVILLE, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)												
MEAN	338	571	1,143	1,365	1,286	1,080	823	818	477	217	184	246
MAX	569	2,099	4,769	6,633	4,241	2,715	2,177	1,916	1,333	439	393	482
(WY)	(1984)	(1985)	(1997)	(1997)	(1983)	(1983)	(1982)	(1983)	(1983)	(1998)	(1999)	(1983)
MIN	80.4	156	196	187	190	209	173	147	32.9	17.2	17.9	34.5
(WY)	(1981)	(1981)	(1991)	(2001)	(2001)	(2001)	(1994)	(2001)	(2001)	(2001)	(2001)	(2001)
SUMMARY STATISTICS				FOR 2003 CALENDAR YEAR			FOR 2004 WATER YEAR			WATER YEARS 1981 - 2004		
ANNUAL TOTAL				254,571			195,111					
ANNUAL MEAN				697			533			710		
HIGHEST ANNUAL MEAN										1,546		
LOWEST ANNUAL MEAN										160		
HIGHEST DAILY MEAN				5,250			Jan 1		3,590		Feb 18	
LOWEST DAILY MEAN				198			Nov 28		198		Nov 28	
ANNUAL SEVEN-DAY MINIMUM				210			Nov 26		210		Nov 26	
ANNUAL RUNOFF (AC-FT)				504,900			387,000			514,400		
10 PERCENT EXCEEDS				1,550			962			1,560		
50 PERCENT EXCEEDS				402			356			346		
90 PERCENT EXCEEDS				227			228			150		



2004 Water Year
ROGUE RIVER BASIN

14369500 APPLEGATE RIVER NEAR WILDERVILLE, OR

Latitude: 42° 21' 15"

Longitude: 123° 24' 20"

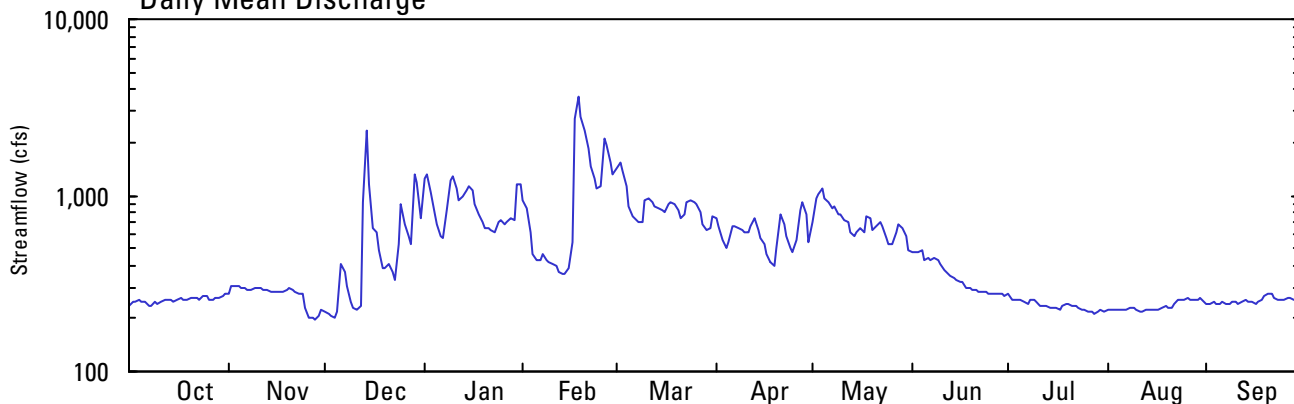
Hydrologic Unit Code: 17100309

Josephine County

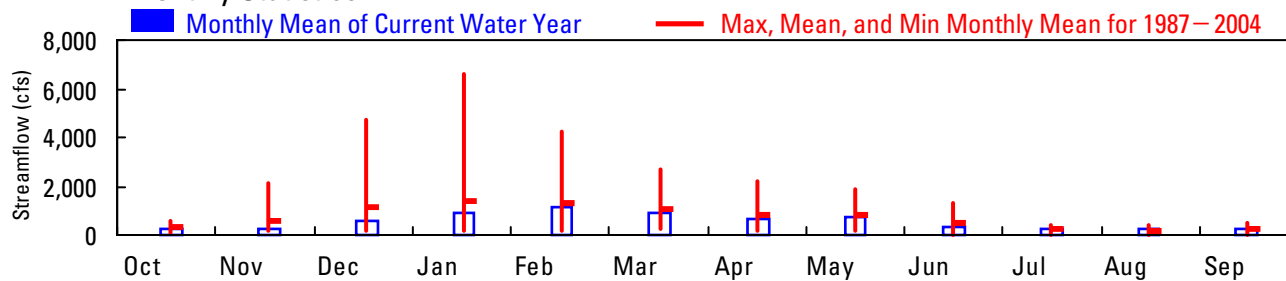
Datum: 947.18 feet

Drainage Area: 698 square miles

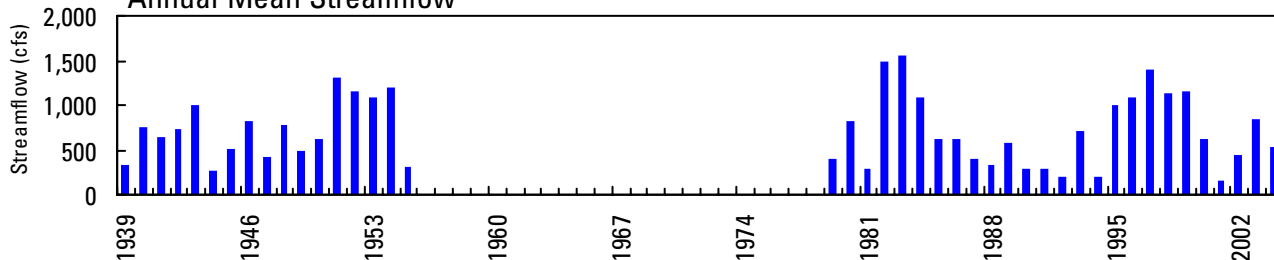
Daily Mean Discharge



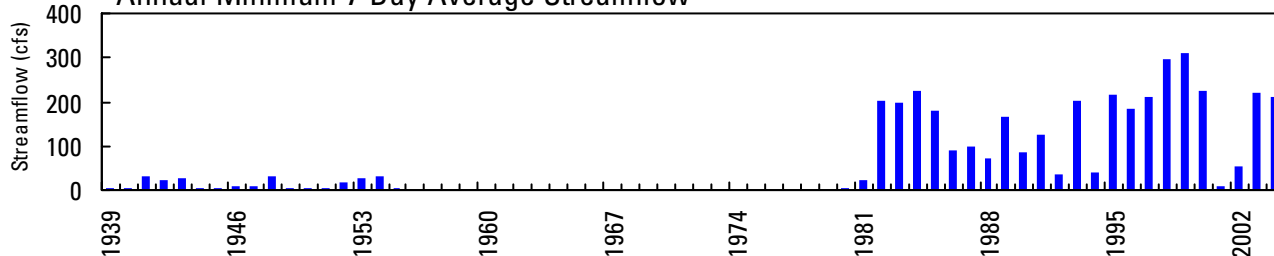
Monthly Statistics



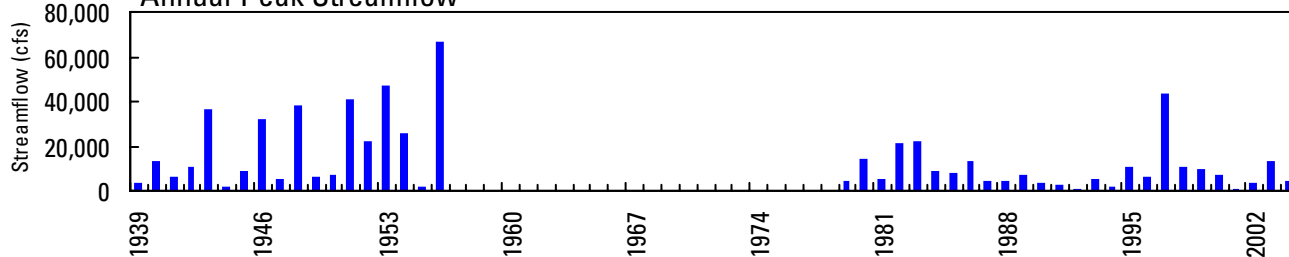
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



14369500 APPLEGATE RIVER NEAR WILDERVILLE, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1978 to current year.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records fair except for the periods Oct. 1 to Mar. 14, Aug. 16 to Sept. 30, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.0°C June 22, 1992; minimum, 0.0°C Feb. 6, 7, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.8°C July 24; minimum, 4.5°C Jan. 2.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18.0	15.8	16.9	9.2	7.1	8.1	9.7	9.4	9.6	6.8	5.8	6.4
2	17.8	15.6	16.8	9.1	7.9	8.6	9.7	9.2	9.5	5.8	4.5	5.3
3	17.2	15.6	16.6	9.6	8.4	9.0	10.4	9.6	9.9	6.2	5.3	5.7
4	17.9	15.7	16.8	9.5	8.2	8.6	10.4	9.6	9.9	6.3	5.6	5.9
5	17.6	15.5	16.6	9.0	7.8	8.3	10.4	9.7	10.0	6.7	5.8	6.2
6	17.7	15.6	16.8	9.3	8.9	9.1	10.3	9.7	10	6.9	6.2	6.5
7	18.3	16.2	17.2	10.1	8.9	9.4	9.9	8.8	9.1	8.0	6.6	7.2
8	17.1	14.8	15.5	10.7	9.9	10.3	8.8	8.0	8.3	8.0	7.3	7.6
9	15.2	13.5	14.5	10.8	9.8	10.4	8.4	7.8	8.0	7.5	6.7	7.1
10	15.0	13.2	14.1	11.2	10.1	10.8	8.5	7.7	8.1	7.2	6.2	6.8
11	14.1	12.5	13.1	11.6	10.5	11.1	8.2	7.4	7.9	7.1	6.3	6.7
12	14.3	12.4	13.2	11.1	10.1	10.6	8.5	8.1	8.3	7.0	6.2	6.6
13	13.3	11.2	12.4	10.7	9.1	9.7	9.6	8.5	9.0	7.6	6.7	7.0
14	13.8	11.9	12.9	9.7	8.4	9.1	8.7	7.5	8.0	7.5	7.0	7.3
15	13.1	11.4	12.2	10.4	9.1	9.7	7.9	7.3	7.6	7.7	7.1	7.4
16	13.4	11.0	12.1	10.7	10.1	10.5	7.6	6.6	7.1	7.7	7.0	7.4
17	13.8	11.8	13.0	11.2	10.1	10.7	7.9	7.2	7.5	7.0	6.1	6.6
18	13.6	11.7	12.8	11.1	10.0	10.6	7.5	6.4	6.8	8.1	6.7	7.2
19	13.5	12.4	13.2	10.6	9.2	9.9	7.1	6.2	6.6	8.0	7.4	7.7
20	14.4	13.1	13.7	10.1	8.9	9.4	8.0	7.0	7.4	8.2	7.4	7.8
21	14.4	12.8	13.8	9.4	8.6	9.0	8.4	7.7	8.0	7.5	6.0	6.5
22	14.3	12.7	13.7	8.9	7.6	8.0	8.4	7.7	7.9	6.2	5.0	5.5
23	14.3	12.5	13.3	7.6	6.1	6.9	7.9	7.0	7.4	6.3	5.2	5.7
24	13.0	10.9	11.9	8.3	6.8	7.6	8.1	7.3	7.9	7.1	6.3	6.6
25	12.1	10.3	11.4	8.2	7.0	7.6	7.3	6.6	7.0	6.6	5.4	6.0
26	12.3	10.4	11.6	8.6	7.6	8.0	6.7	6.2	6.5	5.9	5.0	5.2
27	12.5	10.7	11.8	8.2	7.1	7.4	6.7	5.7	6.2	7.3	5.4	6.2
28	12.9	11.1	12.1	8.3	7.0	7.5	6.7	6.2	6.4	7.4	6.5	6.9
29	13.1	11.5	12.1	9.5	8.3	9.0	6.7	6.0	6.4	8.2	6.9	7.5
30	11.7	10.1	10.8	9.7	9.4	9.5	6.9	6.3	6.6	7.9	6.6	7.3
31	11.0	8.7	9.6	---	---	---	6.9	6.3	6.6	6.9	5.7	6.3
MONTH	18.3	8.7	13.6	11.6	6.1	9.1	10.4	5.7	7.9	8.2	4.5	6.6

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.8	6.3	6.9	8.0	7.3	7.7	11.5	8.4	9.9	16.0	13.1	14.6
2	7.8	7.0	7.4	9.6	7.0	8.2	12.1	8.4	10.2	15.4	11.9	13.7
3	7.5	6.4	6.9	8.3	6.3	7.2	13.6	9.5	11.6	15.7	12.0	13.9
4	8.3	6.8	7.5	9.0	7.1	8.0	14.4	10.8	12.7	14.8	11.5	13.2
5	8.0	6.3	7.2	8.7	8.0	8.3	14.0	11.4	12.1	14.9	11.2	13.0
6	7.4	6.6	7.0	10.5	7.6	8.9	12.1	10.2	11.0	15.1	11.7	13.4
7	8.1	6.5	7.3	11.4	8.2	9.8	12.7	9.9	11.2	14.5	12.0	12.9
8	7.7	6.2	7.1	12.0	8.8	10.4	13.8	10.5	12.1	14.2	11.3	12.7
9	7.3	5.3	6.4	12.2	9.5	10.9	14.0	10.5	12.3	13.4	12.1	12.5
10	7.2	5.0	6.3	11.3	8.9	10.2	14.0	10.8	12.5	13.1	11.1	12.1
11	7.3	5.2	6.3	10.8	8.1	9.5	14.1	10.8	12.6	14.0	11.5	12.6
12	7.3	5.1	6.5	11.2	8.3	9.7	13.9	11.2	12.6	15.5	11.4	13.4
13	7.2	5.4	6.3	11.2	8.3	9.8	13.2	10.4	11.5	16.2	12.6	14.4
14	7.6	6.4	7.0	11.8	9.2	10.5	11.7	10.3	11.0	16.3	13.2	14.8
15	7.6	6.4	7.1	11.5	8.8	10.2	11.3	9.5	10.4	15.9	13.8	14.8
16	7.8	7.2	7.5	11.6	8.6	10.1	12.8	9.4	11.1	15.9	13.0	14.5
17	7.7	6.8	7.3	11.2	8.7	10	13.0	10.2	11.5	15.6	13.3	14.2
18	8.5	7.4	7.8	11.6	8.5	10.0	12.5	10.3	11.2	14.3	12.0	12.7
19	8.4	6.5	7.4	10.7	8.5	9.7	11.8	9.6	10.8	16.2	11.5	13.4
20	7.7	5.7	6.7	11.3	8.0	9.6	11.2	9.7	10.5	16.8	13.2	15.1
21	7.6	6.3	7.0	12.1	9.4	10.7	11.2	9.5	10.3	16.5	13.6	15.1
22	8.0	6.6	7.3	12.6	10.0	11.3	14.0	9.6	11.7	16.0	13.9	15.0
23	9.2	7.2	8.1	12.0	9.4	10.8	14.1	10.7	12.5	16.1	13.7	14.9
24	9.1	7.4	8.2	11.1	9.2	10.1	15.3	11.0	13.2	17.4	13.3	15.3
25	8.3	7.5	7.9	10.0	8.3	8.8	16.3	11.8	14.2	18.2	14.3	16.4
26	8.4	6.9	7.6	9.3	7.5	8.4	17.4	13.4	15.5	18.7	15.2	17.0
27	8.4	7.0	7.7	11.5	8.8	10	16.7	13.3	14.8	18.0	14.0	15.6
28	9.2	7.3	8.2	12.5	9.0	10.7	15.1	11.7	13.3	15.1	13.4	14.3
29	8.4	7.3	7.8	12.9	9.7	11.3	14.8	10.9	12.9	16.4	13.2	14.7
30	---	---	---	12.2	10.2	11.1	16.4	12.0	14.2	17.6	13.8	15.6
31	---	---	---	11.4	8.7	10.0	---	---	---	18.9	14.8	16.9
MONTH	9.2	5.0	7.2	12.9	6.3	9.7	17.4	8.4	12.0	18.9	11.1	14.3
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.1	15.3	17.4	24.1	20.7	22.3	24.9	21.8	23.2	21.2	19.1	20.1
2	19.4	15.6	17.7	23.6	20.2	22.0	24.2	21.9	22.9	19.5	17.6	18.5
3	20.0	16.0	18.1	24.1	20.8	22.4	23.4	20.3	21.8	19.0	16.2	17.6
4	19.6	16.2	18.1	23.8	20.5	22.1	23.5	20.7	21.7	19.8	16.8	18.2
5	19.1	16.3	17.8	23.6	20.1	21.8	22.0	19.7	20.8	20.3	17.6	18.8
6	18.6	16.1	17.2	23.7	20.1	21.9	21.5	19.1	20.2	20.3	17.6	18.9
7	17.0	15.1	16.0	23.5	21.0	22.2	22.8	18.9	20.6	20.0	17.4	18.7
8	16.0	14.1	14.7	22.7	19.2	21.0	23.5	20.1	21.7	20.1	17.5	18.7
9	17.4	13.8	15.5	23.0	19.6	21.2	24.0	21.0	22.4	20.2	17.7	18.9
10	18.4	15.4	16.8	22.4	19.3	20.9	24.2	21.1	22.5	20.3	17.8	19.0
11	18.6	15.8	17.3	22.8	19.2	20.9	24.7	21.4	22.9	19.9	18.4	19.2
12	18.0	15.1	16.8	23.9	20.2	21.8	24.7	22.0	23.3	19.5	18.3	19.0
13	20.0	15.4	17.7	23.9	20.3	22.1	24.9	22.0	23.3	18.4	17.3	17.9
14	20.6	16.9	18.9	24.1	21.0	22.4	24.8	22.2	23.4	18.5	15.8	17.1
15	20.4	16.6	18.7	23.5	20.1	21.8	24.1	21.5	22.7	18.2	16.8	17.5
16	21.2	17.1	19.4	24.2	20.4	22.1	23.4	20.5	21.9	18.8	16.4	17.5
17	21.9	17.8	20.0	23.6	21.4	22.6	23.5	20.5	21.9	18.2	16.6	17.5
18	22.3	18.5	20.6	22.4	20.6	21.6	23.8	20.9	22.3	16.8	15.4	16.1
19	22.4	18.7	20.7	23.3	20.4	21.8	24.1	21.3	22.5	16.4	14.9	15.5
20	22.2	18.6	20.6	23.7	20.1	21.8	24.0	21.3	22.5	16.8	14.5	15.5
21	22.7	18.8	20.9	24.5	21.0	22.6	23.2	21.0	22.0	16.5	14.0	15.2
22	23.0	19.3	21.3	24.7	20.9	22.7	21.6	19.5	20.6	17.1	14.4	15.7
23	22.6	19.2	21.0	25.4	21.9	23.6	20.1	18.4	19.2	18.1	15.7	16.8
24	23.2	19.5	21.3	25.8	22.4	24.0	20.3	18.5	19.2	18.4	16.0	17.2
25	22.8	19.6	21.3	25.5	22.8	24.1	19.6	18.1	19.0	18.5	16.3	17.4
26	22.5	19.0	20.9	24.9	21.9	23.3	20.3	18.4	19.3	18.5	16.6	17.5
27	22.4	19.1	20.9	24.4	21.0	22.6	20.6	17.5	19.0	18.0	15.6	16.9
28	22.9	19.4	21.1	25.0	21.7	23.2	21.4	18.3	19.8	18.3	15.9	17.1
29	23.3	19.8	21.5	25.1	21.9	23.3	22.0	19.0	20.4	17.9	16.6	17.2
30	23.0	20.0	21.7	24.7	22.0	23.2	22.1	19.3	20.7	17.6	15.5	16.5
31	---	---	---	24.9	21.9	23.2	22.1	19.6	20.8	---	---	---
MONTH	23.3	13.8	19.1	25.8	19.2	22.3	24.9	17.5	21.4	21.2	14.0	17.6
YEAR	25.8	4.5	13.4									

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. 28 years (water years 1977-2004), 5,310 ft³/s, 3,847,000 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, 44,600 ft³/s Feb. 18, gage height, 15.45 ft; minimum discharge, 1,210 ft³/s Sept. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,360	1,460	2,880	10,400	11,800	11,200	5,700	3,880	3,920	2,930	1,830	2,250
2	1,370	1,500	2,320	15,200	10,600	13,800	5,370	4,220	3,560	2,850	1,840	2,250
3	1,390	1,590	2,150	10,800	9,710	11,800	5,080	4,930	3,500	2,680	1,820	2,260
4	1,400	1,670	2,070	8,300	7,890	10,200	4,830	5,140	3,680	2,580	1,950	2,300
5	1,400	1,690	2,230	6,950	6,650	9,150	4,690	5,300	3,630	2,510	1,970	2,280
6	1,410	1,640	4,600	6,620	6,170	8,930	4,680	4,740	3,630	2,380	1,950	2,300
7	1,560	1,640	6,380	7,410	6,620	8,360	4,600	4,640	3,670	2,190	2,010	2,300
8	1,820	1,660	5,630	11,600	6,530	7,790	4,340	4,440	3,850	2,030	2,010	2,250
9	1,470	1,650	4,560	14,800	6,030	7,490	4,210	4,710	3,940	1,980	1,990	2,240
10	1,490	1,640	3,990	14,100	5,590	7,280	4,060	4,510	3,870	1,920	1,960	2,280
11	1,420	1,630	3,640	11,700	5,200	7,050	3,860	4,400	3,760	1,940	1,920	2,310
12	1,520	1,600	4,220	9,740	4,820	6,670	3,790	4,260	3,690	1,940	1,880	2,310
13	1,570	1,600	16,300	9,240	4,490	6,320	3,830	4,130	3,610	1,950	1,910	2,350
14	1,570	1,600	24,100	8,990	4,330	6,010	4,100	3,850	3,550	1,920	1,900	2,380
15	1,610	1,620	15,100	9,100	4,790	5,750	4,340	3,640	3,470	1,870	1,930	2,300
16	1,540	1,720	9,200	8,770	6,490	5,530	4,060	3,610	3,460	1,870	1,940	2,210
17	1,530	1,780	7,300	7,550	21,900	5,390	3,960	3,640	3,510	1,860	1,920	2,150
18	1,510	1,790	6,560	6,660	40,600	5,390	3,880	3,830	3,480	1,880	1,920	2,150
19	1,490	1,860	6,140	6,240	23,300	5,250	3,790	5,330	3,440	1,920	1,950	2,050
20	1,510	1,890	5,350	6,230	15,900	5,100	4,920	5,400	3,430	1,930	1,970	2,050
21	1,490	1,880	5,200	6,180	12,300	4,920	8,580	4,760	3,420	1,910	1,960	1,940
22	1,470	1,780	4,920	5,580	10,100	4,790	8,230	4,520	3,400	1,890	1,970	1,790
23	1,450	1,700	4,470	5,340	8,730	4,890	6,950	4,370	3,360	1,890	2,180	1,590
24	1,440	1,680	5,250	6,340	8,290	5,010	5,750	4,140	3,380	1,860	2,310	1,530
25	1,450	1,800	9,150	8,360	8,910	5,280	5,080	3,750	3,370	1,840	2,250	1,410
26	1,450	1,940	8,110	7,540	14,900	6,410	4,650	3,530	3,310	1,820	2,250	1,290
27	1,440	1,810	6,610	9,110	19,000	7,130	4,490	3,460	3,310	1,810	2,240	1,370
28	1,410	1,730	6,430	10,600	14,100	6,660	4,410	3,840	3,240	1,820	2,380	1,410
29	1,410	2,440	12,900	11,300	11,600	6,140	4,300	4,620	3,140	1,810	2,350	1,380
30	1,430	2,770	16,400	13,000	---	5,890	4,000	4,740	3,030	1,810	2,320	1,370
31	1,450	---	10,000	14,700	---	6,040	---	4,300	---	1,830	2,290	---
TOTAL	45,830	52,760	224,160	288,450	317,340	217,620	144,530	134,630	105,610	63,420	63,070	60,050
MEAN	1,478	1,759	7,231	9,305	10,940	7,020	4,818	4,343	3,520	2,046	2,035	2,002
MAX	1,820	2,770	24,100	15,200	40,600	13,800	8,580	5,400	3,940	2,930	2,380	2,380
MIN	1,360	1,460	2,070	5,340	4,330	4,790	3,790	3,460	3,030	1,810	1,820	1,290
AC-FT	90,900	104,600	444,600	572,100	629,400	431,600	286,700	267,000	209,500	125,800	125,100	119,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	1,922	4,381	9,059	9,733	9,605	7,703	6,382	5,066	3,455	2,345	2,228	2,062
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)

14372300 ROGUE RIVER NEAR AGNESS, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	1,867,410		1,717,470			
ANNUAL MEAN	5,116		4,693		5,310	
HIGHEST ANNUAL MEAN					10,180	1997
LOWEST ANNUAL MEAN					1,583	1977
HIGHEST DAILY MEAN	33,000	Jan 1	40,600	Feb 18	194,000	Jan 2, 1997
LOWEST DAILY MEAN	1,280	Sep 27	1,290	Sep 26	773	Aug 4, 1977
ANNUAL SEVEN-DAY MINIMUM	1,310	Sep 24	1,390	Sep 24	817	Aug 12, 1977
ANNUAL RUNOFF (AC-FT)	3,704,000		3,407,000		3,847,000	
10 PERCENT EXCEEDS	10,600		9,210		10,800	
50 PERCENT EXCEEDS	3,860		3,640		3,010	
90 PERCENT EXCEEDS	1,530		1,570		1,590	



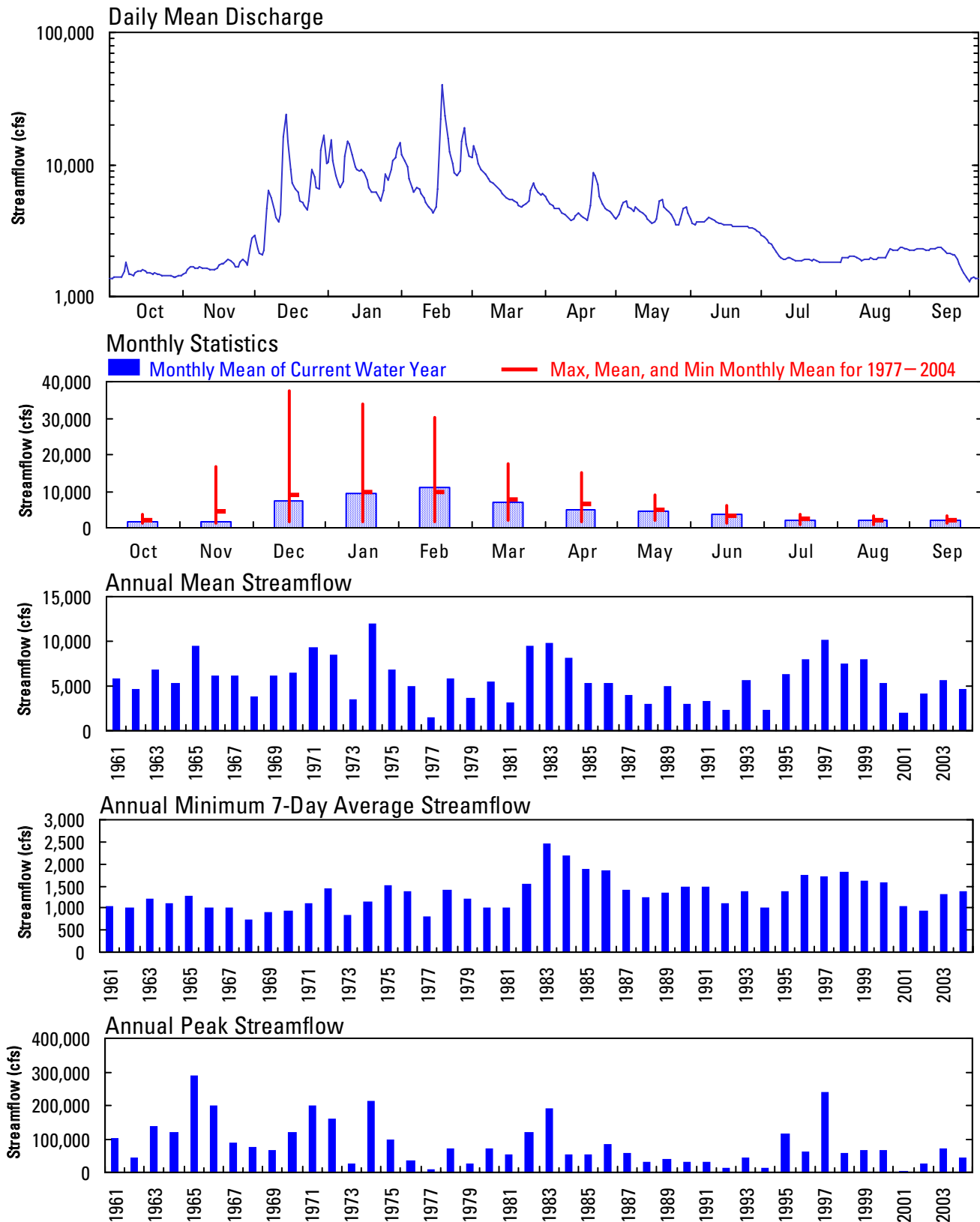
2004 Water Year
ROGUE RIVER BASIN

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: 3,939 square miles



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, 25.9°C July 25; minimum, 4.7°C Jan. 3.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.1	16.5	17.9	10.0	8.6	9.3	8.7	7.5	8.2	6.9	5.5	6.1
2	18.7	16.5	17.6	9.6	7.6	8.8	9.6	8.4	9.0	6.5	5.4	5.8
3	18.2	16.4	17.3	9.0	7.7	8.3	9.7	8.7	9.3	6.0	4.7	5.6
4	18.0	16.3	17.1	8.6	6.9	7.9	9.9	8.8	9.3	6.3	5.3	5.8
5	18.1	16.1	17.0	8.6	6.9	7.7	10.0	9.4	9.7	6.6	5.4	6.0
6	18.1	15.8	16.8	8.2	6.9	7.5	9.9	9.2	9.6	6.9	5.3	6.1
7	18.4	16.1	17.1	8.4	6.6	7.6	9.6	8.5	9.1	7.3	5.8	6.7
8	17.0	15.9	16.5	9.0	7.6	8.3	9.1	8.2	8.6	8.0	6.6	7.4
9	16.4	15.1	15.8	9.2	7.9	8.5	8.4	7.6	8.1	8.3	7.3	7.9
10	15.8	14.3	15.0	10.0	8.4	9.3	8.3	7.3	7.7	8.6	7.3	8.1
11	14.7	13.2	13.7	10.6	9.1	9.7	8.1	7.2	7.7	8.3	7.4	7.8
12	14.8	13.0	13.8	10.7	9.4	10	8.4	7.5	7.8	8.1	7.0	7.6
13	13.9	12.3	13.2	10.2	9.1	9.6	9.4	8.2	8.9	8.3	7.4	7.8
14	13.3	11.8	12.5	9.9	9.1	9.5	8.8	7.6	8.2	8.5	7.6	8.1
15	12.4	11.4	11.9	9.6	8.7	9.2	7.8	7.0	7.4	8.8	7.8	8.3
16	13.4	11.5	12.4	9.3	8.4	8.8	7.4	6.5	7.0	9.0	8.0	8.5
17	13.4	12.1	12.8	9.5	8.4	9.0	7.5	6.4	7.0	8.7	7.7	8.3
18	13.5	11.9	12.7	9.9	8.7	9.2	7.6	6.5	7.0	8.4	7.4	8.0
19	13.3	12.1	12.7	9.9	9.0	9.4	7.3	6.2	6.7	8.5	7.6	8.1
20	13.9	12.4	13.2	9.6	8.6	9.1	7.3	6.2	6.8	8.5	7.3	8.1
21	14.7	13.3	13.9	9.0	8.1	8.6	8.1	6.7	7.3	8.7	7.4	7.8
22	14.8	13.3	14.0	8.6	7.3	8.0	8.3	7.2	7.8	7.7	6.6	7.1
23	14.4	12.9	13.8	7.8	6.4	7.0	8.3	7.2	7.7	7.0	6.0	6.4
24	13.6	12.1	12.9	7.4	6.0	6.7	8.0	6.8	7.4	6.8	5.9	6.4
25	13.4	11.8	12.5	6.7	5.8	6.2	8.1	6.8	7.4	7.1	6.0	6.6
26	12.8	11.4	12.1	6.9	5.6	6.3	7.8	6.4	7.2	7.2	5.8	6.5
27	12.6	11.0	11.8	7.0	5.7	6.4	7.0	5.7	6.4	7.0	5.6	6.5
28	12.6	10.9	11.7	7.4	6.0	6.6	7.0	5.7	6.4	7.6	6.4	7.1
29	12.1	10.8	11.5	8.2	6.8	7.4	7.2	6.3	6.8	8.2	7.2	7.9
30	12.2	10.6	11.4	8.5	7.3	7.9	6.9	5.7	6.4	8.2	7.2	7.9
31	11.3	9.2	10.5	---	---	---	6.9	5.3	6.3	7.8	7.0	7.3
MONTH	19.1	9.2	14.0	10.7	5.6	8.3	10.0	5.3	7.7	9.0	4.7	7.2

ROGUE RIVER BASIN

14372300 ROGUE RIVER NEAR AGNESS, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	6.9	7.1	8.5	7.7	8.2	11.3	9.4	10.4	16.7	14.3	15.5
2	8.0	7.1	7.6	8.3	7.5	8.0	11.4	9.1	10.3	17.2	14.9	16.2
3	8.1	7.4	7.7	8.6	7.7	8.1	12.1	9.5	10.8	17.5	15.8	16.6
4	8.0	7.2	7.6	8.4	7.6	8.1	12.9	10.5	11.7	16.8	15.1	16.0
5	8.2	7.0	7.7	8.9	7.8	8.3	13.0	11.7	12.4	16.5	14.3	15.3
6	8.0	7.2	7.6	9.1	8.0	8.7	13.1	11.8	12.5	16.0	13.5	14.7
7	8.0	7.0	7.4	9.5	7.9	8.8	13.0	11.6	12.4	15.9	13.8	14.9
8	7.8	6.6	7.2	10.8	8.7	9.8	13.4	11.2	12.4	15.2	13.6	14.2
9	7.5	6.1	6.9	11.4	9.6	10.4	13.9	11.8	12.9	14.4	13.1	13.7
10	7.2	5.9	6.7	11.7	9.9	10.6	14.3	12.3	13.4	13.9	12.7	13.4
11	7.0	5.6	6.5	11.3	9.8	10.4	14.8	12.9	13.9	13.9	12.5	13.2
12	7.0	5.8	6.4	11.4	9.5	10.3	14.5	13.4	13.9	14.8	12.1	13.6
13	7.2	5.5	6.5	11.5	9.3	10.4	13.9	12.8	13.4	15.7	13.1	14.4
14	7.5	6.2	7.0	12.0	9.8	10.8	13.3	11.8	12.7	16.5	14.0	15.3
15	8.1	6.9	7.4	12.3	10.0	11.1	12.6	11.6	12.0	17.0	15.4	16.2
16	8.3	7.3	7.7	12.2	10.3	11.2	12.1	10.8	11.5	17.1	15.7	16.4
17	8.4	7.7	8.0	12.2	10.2	11.1	12.1	10.7	11.5	16.8	15.4	16.0
18	8.8	7.9	8.3	11.8	10.1	10.9	12.1	11.3	11.7	16.0	15.0	15.4
19	8.8	8.1	8.5	12.0	10.0	11.0	11.9	11.1	11.6	15.7	14.3	15.0
20	8.5	7.7	8.1	12.0	10.1	11.0	11.4	10.1	10.8	16.1	13.5	14.7
21	8.2	7.3	7.7	11.8	10.0	11.0	10.3	9.4	9.8	17.3	14.1	15.4
22	8.6	7.2	8.0	12.4	10.5	11.4	11.8	9.7	10.6	16.7	14.7	15.8
23	8.9	7.9	8.5	12.9	11.0	12.1	12.8	10.4	11.4	17.0	14.9	15.9
24	9.3	8.2	8.7	12.9	11.6	12.2	13.6	10.9	12.2	17.2	14.5	16.0
25	9.2	8.2	8.6	12.4	10.6	11.4	14.4	12.0	13.2	17.4	14.8	16.4
26	8.6	7.5	8.1	10.6	8.5	9.6	15.5	13.1	14.3	18.6	16.6	17.5
27	8.7	7.4	8.1	10.3	8.4	9.2	16.4	14.4	15.5	18.3	17.2	17.8
28	9.0	8.0	8.5	11.6	9.1	10.2	16.4	14.8	15.6	17.9	16.0	17.2
29	9.0	7.7	8.5	12.4	9.9	11.1	16.1	14.4	15.3	16.8	15.1	16.1
30	---	---	---	12.2	10.8	11.4	16.3	14.1	15.2	17.2	14.0	15.5
31	---	---	---	11.5	10.0	10.8	---	---	---	17.8	14.7	16.2
MONTH	9.3	5.5	7.7	12.9	7.5	10.2	16.4	9.1	12.5	18.6	12.1	15.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18.4	15.3	17.0	22.1	20.2	20.9	25.1	21.8	23.4	21.9	19.9	20.8
2	19.0	16.8	18.0	22.5	19.8	20.9	24.8	21.8	23.2	20.7	19.4	19.9
3	19.5	17.7	18.7	22.7	20.3	21.2	24.7	21.1	22.9	20.1	18.2	19.0
4	19.9	18.2	19.0	23.0	19.8	21.5	23.2	21.5	22.1	20.2	17.8	18.8
5	19.3	18.1	18.7	23.3	20.7	21.7	23.0	20.0	21.5	19.9	17.8	18.7
6	18.6	17.0	17.7	23.4	20.9	21.9	21.8	19.9	20.7	20.2	17.8	18.8
7	17.5	16.7	17.1	23.0	20.6	21.6	22.9	19.3	20.8	20.4	18.1	19.1
8	17.1	15.1	16.0	23.2	20.4	21.5	23.2	19.6	21.2	20.6	18.5	19.3
9	15.5	14.5	14.9	23.1	20.1	21.4	23.9	20.2	21.7	20.6	18.3	19.3
10	15.8	14.3	15.0	23.3	19.7	21.3	24.3	20.6	22.3	20.7	18.4	19.4
11	16.6	14.4	15.6	23.4	19.4	21.4	24.9	21.6	23.0	20.2	18.7	19.4
12	16.6	15.0	16.0	23.8	20.2	21.9	25.0	21.6	23.2	19.8	18.4	19.1
13	17.8	15.7	16.8	24.3	20.5	22.3	25.7	22.2	23.7	19.3	17.9	18.5
14	18.3	16.4	17.4	24.5	21.0	22.6	25.2	21.9	23.4	19.2	17.5	18.2
15	19.2	16.9	18.0	24.6	21.2	22.7	25.3	21.9	23.3	18.3	17.2	17.9
16	19.7	17.7	18.8	24.8	21.2	22.9	24.7	21.5	22.9	19.0	16.9	17.9
17	20.2	17.9	19.2	24.8	21.3	23.0	24.8	21.4	22.9	18.0	16.9	17.4
18	20.7	18.5	19.6	23.9	21.2	22.7	24.3	21.2	22.8	18.4	16.4	17.1
19	20.6	19.1	19.9	24.5	21.2	22.8	24.6	21.4	22.9	17.2	15.4	16.3
20	20.6	19.0	19.9	24.6	21.0	22.6	24.6	21.4	22.9	17.7	15.4	16.3
21	20.7	19.0	19.9	24.5	20.9	22.6	24.0	21.6	22.7	16.9	14.5	15.7
22	20.7	19.3	19.9	24.8	21.0	22.8	23.1	21.3	22.2	16.9	14.4	15.5
23	21.1	19.2	20.2	25.4	21.7	23.5	21.9	20.4	21.2	17.1	14.9	16.0
24	21.0	19.6	20.3	25.7	22.3	23.8	20.8	19.1	20.2	17.5	15.8	16.6
25	21.5	19.8	20.4	25.9	22.3	24.1	19.8	18.7	19.2	17.8	16.5	17.0
26	21.1	19.4	20.2	25.6	22.5	23.9	20.7	18.3	19.3	19.2	16.5	17.6
27	20.8	19.2	19.9	25.6	21.8	23.7	21.2	18.4	19.6	19.5	16.8	18.0
28	20.9	19.1	19.9	25.6	22.1	23.7	21.3	18.8	19.8	19.5	16.9	18.2
29	21.2	19.4	20.3	25.1	21.9	23.6	21.6	19.2	20.2	18.7	17.1	17.9
30	22.0	19.9	20.8	25.0	22.0	23.4	22.1	19.4	20.6	18.7	16.5	17.4
31	---	---	---	25.1	21.8	23.4	22.0	19.9	20.9	---	---	---
MONTH	22.0	14.3	18.5	25.9	19.4	22.5	25.7	18.3	21.8	21.9	14.4	18.0
YEAR	25.9	4.7	13.7									

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. National Weather Service telephone telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1962-2004), 1,255 ft³/s, 44.87 in/yr, 909,100 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 13	1330	*15,700	*19.98	Feb 17	1230	13,700	18.71

Minimum discharge, 27 ft³/s, Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	62	667	4,650	2,260	2,950	1,490	1,030	375	113	41	19
2	29	66	613	4,030	2,380	2,730	1,300	1,000	357	110	36	19
3	28	72	622	2,620	2,280	2,340	1,180	990	348	111	33	22
4	31	80	667	2,100	1,870	2,020	1,110	920	336	108	30	24
5	31	85	1,580	1,770	1,580	1,780	1,070	890	322	98	30	24
6	30	93	3,760	1,690	1,590	1,700	1,000	816	321	91	34	23
7	30	95	2,450	2,200	2,190	1,610	949	797	320	84	38	23
8	31	103	2,000	5,110	1,870	1,650	905	808	346	82	38	25
9	32	122	1,200	5,320	1,610	1,770	885	741	333	83	35	26
10	33	124	964	4,660	1,400	1,730	871	742	306	82	34	27
11	36	112	928	3,280	1,240	1,590	871	709	292	82	39	27
12	40	101	1,770	2,610	1,120	1,490	870	658	281	77	33	28
13	41	96	11,900	2,630	1,040	1,390	835	616	264	75	31	28
14	42	93	8,590	2,630	1,230	1,300	919	589	243	70	30	26
15	41	99	3,460	2,780	1,760	1,250	1,470	579	234	68	29	26
16	43	193	2,140	2,280	4,640	1,200	1,480	570	221	68	25	26
17	43	385	1,560	1,880	11,700	1,160	1,230	546	212	71	19	27
18	44	290	1,270	1,660	9,480	1,140	1,080	578	201	71	22	35
19	46	215	1,130	1,630	5,350	1,110	1,140	555	193	69	23	46
20	49	391	1,330	1,540	3,630	1,020	2,930	528	178	67	24	52
21	50	323	1,190	1,360	2,810	987	6,690	516	166	63	25	54
22	49	247	1,010	1,200	2,330	1,020	e3,830	502	151	58	25	49
23	61	208	896	1,140	2,010	1,030	e2,620	478	148	54	27	46
24	65	184	2,050	1,760	2,000	1,020	2,040	450	147	51	33	44
25	65	174	3,020	1,660	2,480	1,150	1,750	431	143	48	31	45
26	62	342	2,120	1,530	5,410	1,990	1,630	423	136	44	34	45
27	60	408	1,570	4,350	5,340	3,110	1,560	436	132	42	36	44
28	60	301	1,440	3,630	3,540	2,380	1,440	508	124	40	31	43
29	60	702	8,070	2,690	2,750	1,980	1,220	519	115	39	22	41
30	60	922	4,990	3,290	---	1,900	1,090	447	110	38	20	44
31	60	---	2,890	2,840	---	1,740	---	413	---	39	19	---
TOTAL	1,383	6,688	77,847	82,520	88,890	51,237	47,455	19,785	7,055	2,196	927	1,008
MEAN	44.6	223	2,511	2,662	3,065	1,653	1,582	638	235	70.8	29.9	33.6
MAX	65	922	11,900	5,320	11,700	3,110	6,690	1,030	375	113	41	54
MIN	28	62	613	1,140	1,040	987	835	413	110	38	19	19
AC-FT	2,740	13,270	154,400	163,700	176,300	101,600	94,130	39,240	13,990	4,360	1,840	2,000
CFSM	0.12	0.59	6.61	7.01	8.07	4.35	4.16	1.68	0.62	0.19	0.08	0.09
IN.	0.14	0.65	7.62	8.08	8.70	5.02	4.65	1.94	0.69	0.21	0.09	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

	MEAN	208	1,406	2,645	2,935	2,581	2,294	1,585	903	362	97.7	46.1	60.9
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	443,245		386,991			
ANNUAL MEAN	1,214		1,057		1,255	
HIGHEST ANNUAL MEAN					2,372	1974
LOWEST ANNUAL MEAN					275	1977
HIGHEST DAILY MEAN	11,900	Dec 13	11,900	Dec 13	64,000	Dec 22, 1964
LOWEST DAILY MEAN	25	Sep 3	19	Aug 17	13	Aug 22, 1992
ANNUAL SEVEN-DAY MINIMUM	27	Aug 29	21	Aug 29	14	Sep 8, 1992
ANNUAL RUNOFF (AC-FT)	879,200		767,600		909,100	
ANNUAL RUNOFF (CFSM)	3.20		2.78		3.30	
ANNUAL RUNOFF (INCHES)	43.39		37.88		44.87	
10 PERCENT EXCEEDS	3,190		2,650		3,100	
50 PERCENT EXCEEDS	667		427		494	
90 PERCENT EXCEEDS	32		31		38	

e Estimated



2004 Water Year
ROGUE RIVER BASIN

14377100 ILLINOIS RIVER NEAR KERBY, OR

Latitude: 42° 13 ' 55"

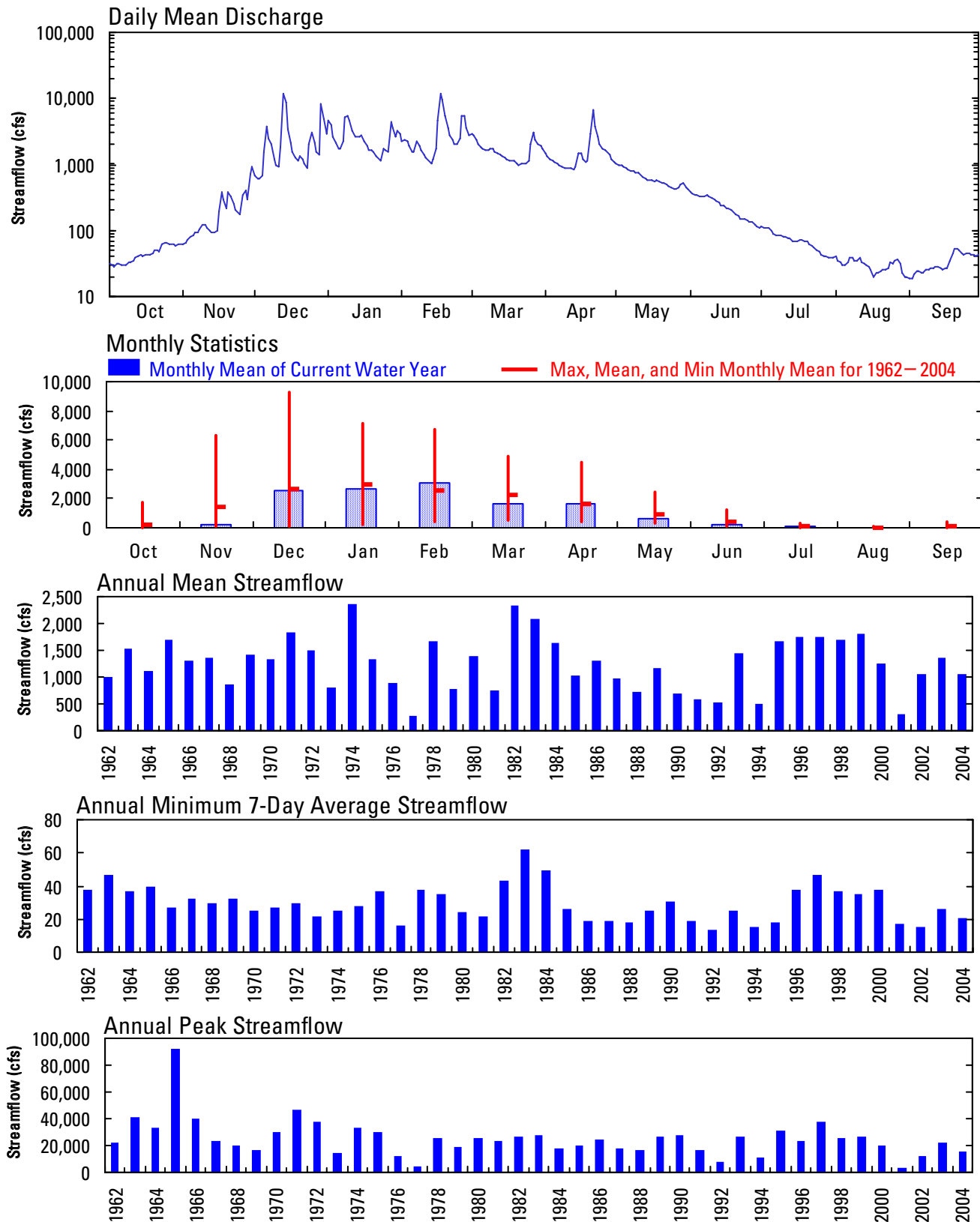
Longitude: 123° 39 ' 45"

Hydrologic Unit Code: 17100311

Josephine County

Datum: 1,198.80 feet

Drainage Area: 380 square miles



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.--35 years (water years 1970-2004), 2,244 ft³/s, 112.49 in/yr, 1,625,000 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 13	2330	*45,500	*19.85				
						No other peak greater than base discharge.	

Minimum discharge, 81 ft³/s, Sept. 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e83	86	1,660	8,740	4,730	5,180	1,860	946	349	190	102	94
2	e83	94	1,510	7,450	4,990	4,490	1,610	854	334	188	103	92
3	e83	119	2,740	5,540	4,710	3,720	1,450	780	324	184	104	89
4	e82	120	2,870	4,540	3,750	3,130	1,320	727	315	181	103	88
5	e82	120	7,240	3,840	3,090	2,820	1,220	680	306	174	103	87
6	e82	127	12,900	3,520	3,260	2,820	1,130	632	313	166	109	85
7	e85	157	7,360	4,390	4,010	2,600	1,050	598	330	159	118	85
8	89	446	5,640	9,180	3,430	2,430	985	583	330	156	114	84
9	91	659	4,060	9,880	2,880	2,310	925	554	327	153	104	83
10	91	478	3,480	9,010	2,450	2,060	876	526	314	154	99	83
11	90	346	3,820	6,420	2,110	1,820	832	508	301	153	97	83
12	97	263	6,840	5,190	1,850	1,630	794	487	292	150	94	83
13	97	214	35,200	5,520	1,690	1,480	802	464	285	147	93	86
14	92	187	24,100	5,070	1,830	1,360	1,500	450	279	145	91	90
15	89	255	11,100	5,550	2,670	1,250	3,600	433	271	144	91	87
16	93	1,280	7,230	4,470	7,630	1,170	3,240	421	262	140	91	87
17	94	1,700	5,330	3,650	15,200	1,100	2,440	412	255	138	90	90
18	92	835	4,330	3,210	15,300	1,030	2,390	448	251	137	89	131
19	95	861	3,880	3,060	8,600	983	3,460	417	250	134	87	207
20	104	1,900	4,050	2,820	5,770	931	7,560	401	245	133	85	198
21	107	1,120	3,670	2,440	4,300	883	13,600	385	240	130	84	153
22	102	774	3,210	2,110	3,470	843	7,380	376	236	126	95	127
23	100	604	2,910	2,140	2,890	811	4,630	375	234	121	120	114
24	99	528	5,560	3,110	2,870	919	3,370	360	225	118	124	106
25	94	594	6,530	2,850	3,590	1,370	2,630	350	220	116	139	101
26	90	1,060	5,050	2,640	8,140	3,910	2,100	337	214	113	156	99
27	87	1,050	4,160	7,790	9,840	6,630	1,710	342	209	107	135	96
28	86	803	5,070	6,620	6,570	4,250	1,440	431	204	105	115	94
29	84	2,410	16,500	5,760	4,890	3,230	1,240	429	196	104	103	93
30	84	2,620	10,400	7,730	---	2,790	1,070	393	192	103	e98	91
31	85	---	6,620	6,170	---	2,260	---	366	---	102	e94	---
TOTAL	2,812	21,810	225,020	160,410	146,510	72,210	78,214	15,465	8,103	4,371	3,230	3,086
MEAN	90.7	727	7,259	5,175	5,052	2,329	2,607	499	270	141	104	103
MAX	107	2,620	35,200	9,880	15,300	6,630	13,600	946	349	190	156	207
MIN	82	86	1,510	2,110	1,690	811	794	337	192	102	84	83
AC-FT	5,580	43,260	446,300	318,200	290,600	143,200	155,100	30,670	16,070	8,670	6,410	6,120
CFSM	0.33	2.68	26.8	19.1	18.6	8.60	9.62	1.84	1.00	0.52	0.38	0.38
IN.	0.39	2.99	30.89	22.02	20.11	9.91	10.74	2.12	1.11	0.60	0.44	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	AC-FT	CFSM	IN.
(WY)	527	2,540	48.3	(1982)	0.33	0.39
(WY)	3,138	10,230	107	(1974)	2.68	2.99
(WY)	5,188	13,350	121	(1977)	26.8	30.89
(WY)	5,210	13,150	479	(1970)	19.1	22.02
(WY)	4,614	11,500	619	(1986)	18.6	20.11
(WY)	3,770	7,041	859	(1989)	8.60	9.91
(WY)	2,381	6,956	674	(1982)	9.62	10.74
(WY)	1,167	3,495	430	(1996)	1.84	2.12
(WY)	564	2,121	221	(1993)	1.00	1.11
(WY)	191	442	121	(1983)	0.52	0.60
(WY)	115	310	69.1	(1983)	0.38	0.44
(WY)	181	1,531	54.9	(1978)	0.38	0.42

14400000 CHETCO RIVER NEAR BROOKINGS, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	849,552		741,241			
ANNUAL MEAN	2,328		2,025		2,244	
HIGHEST ANNUAL MEAN					3,911	1982
LOWEST ANNUAL MEAN					549	1977
HIGHEST DAILY MEAN	35,200	Dec 13	35,200	Dec 13	57,000	Nov 19, 1996
LOWEST DAILY MEAN	82	Oct 4	82	Oct 4	44	Oct 22, 1991
ANNUAL SEVEN-DAY MINIMUM	83	Sep 30	83	Oct 1	46	Oct 19, 1974
ANNUAL RUNOFF (AC-FT)	1,685,000		1,470,000		1,625,000	
ANNUAL RUNOFF (CFSM)	8.59		7.47		8.28	
ANNUAL RUNOFF (INCHES)	116.62		101.75		112.49	
10 PERCENT EXCEEDS	6,090		5,580		5,980	
50 PERCENT EXCEEDS	774		449		770	
90 PERCENT EXCEEDS	89		90		82	

e Estimated



2004 Water Year
CHETCO RIVER BASIN

14400000 CHETCO RIVER NEAR BROOKINGS, OR

Latitude: 42° 07 ' 25"

Longitude: 124° 11 ' 10"

Hydrologic Unit Code: 17100312

Curry County

Datum: 50.00 feet

Drainage Area: 271 square miles

