

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

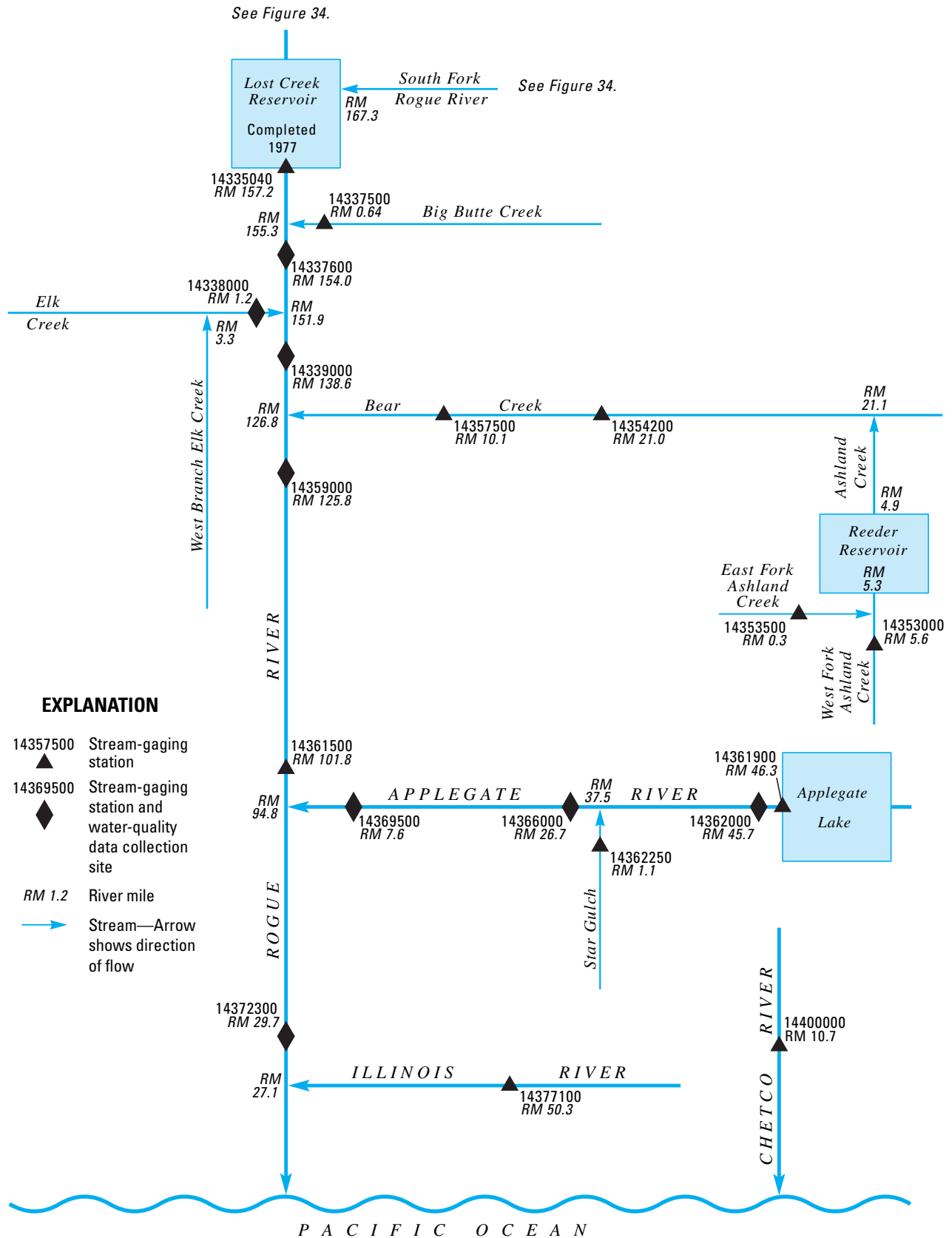


Figure 35. Schematic diagram of surface-water and water-quality stations in the Rogue River Basin, downstream from Lost Creek Reservoir.

ROGUE RIVER BASIN

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. 28 years (water years 1978-2005), 2,362 ft³/s, 1,711,000 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, 11,200 ft³/s Dec. 9, gage height, 6.91 ft; minimum discharge, 888 ft³/s Feb. 26, Mar. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,080	1,340	1,060	1,620	1,020	907	1,320	1,080	2,180	2,490	1,790	1,790
2	1,060	1,350	1,050	1,550	1,010	909	1,250	1,070	1,970	2,390	1,790	1,800
3	1,060	1,490	1,040	1,430	995	907	1,240	1,060	1,880	2,300	1,790	1,800
4	1,050	1,430	1,050	1,350	963	906	1,440	1,050	1,810	2,280	1,790	1,820
5	1,050	1,370	1,050	1,280	967	905	1,320	1,260	1,730	2,260	1,790	1,800
6	1,050	1,350	1,310	1,240	964	904	1,240	1,690	1,910	2,270	1,780	1,800
7	1,040	1,330	2,920	1,240	977	908	1,280	1,860	2,010	2,270	1,790	1,800
8	1,060	1,310	7,300	1,360	963	920	1,520	3,190	1,930	2,270	1,790	1,810
9	1,080	1,260	9,750	1,380	949	941	1,790	4,840	1,840	2,280	1,780	1,800
10	1,070	1,210	6,640	1,410	943	947	1,590	6,040	1,680	2,290	1,790	1,820
11	1,050	1,210	5,160	1,410	938	941	1,440	6,100	1,660	2,180	1,780	1,830
12	1,060	1,150	4,150	1,370	935	951	1,350	5,060	1,640	2,090	1,780	1,830
13	1,060	1,140	3,460	1,290	932	960	1,280	4,140	1,610	2,070	1,780	1,810
14	1,060	1,140	3,300	1,250	928	957	1,220	3,700	1,930	2,080	1,780	1,810
15	1,060	1,100	2,930	1,400	923	954	1,150	3,620	1,960	2,070	1,780	1,730
16	1,060	1,060	2,660	1,970	920	954	1,140	4,060	1,960	2,070	1,780	1,650
17	1,070	1,040	2,410	2,330	918	955	1,200	5,250	2,010	2,070	1,790	1,590
18	1,100	1,000	2,180	2,610	915	955	1,200	4,860	2,000	1,980	1,790	1,520
19	1,090	994	1,970	2,500	920	963	1,150	4,710	2,000	1,890	1,790	1,440
20	1,090	995	1,870	2,100	934	965	1,120	4,100	1,970	1,790	1,790	1,360
21	1,080	996	1,860	1,670	942	965	1,080	3,630	1,950	1,790	1,800	1,280
22	1,060	995	1,860	1,450	931	991	1,070	3,240	2,280	1,790	1,790	1,220
23	1,310	1,040	1,750	1,360	921	1,020	1,120	2,990	2,660	1,790	1,780	1,210
24	1,220	1,090	1,640	1,270	914	1,020	1,190	2,680	2,700	1,800	1,800	1,220
25	1,120	1,120	1,500	1,220	910	971	1,150	2,490	2,700	1,800	1,830	1,210
26	e1,100	1,340	1,450	1,220	902	942	1,110	2,430	2,700	1,780	1,820	1,220
27	e1,090	1,340	1,390	1,260	907	1,130	1,090	e2,310	2,700	1,780	1,790	1,230
28	e1,110	1,270	1,280	1,180	921	2,400	1,180	e2,540	2,690	1,780	1,800	1,210
29	1,180	1,110	1,390	1,110	---	2,810	1,140	e2,640	2,680	1,780	1,790	1,210
30	1,320	1,090	1,420	1,070	---	2,040	1,090	e2,550	2,610	1,780	1,790	1,210
31	1,330	---	1,390	1,050	---	1,470	---	e2,250	---	1,800	1,790	---
TOTAL	34,220	35,660	80,190	45,950	26,362	34,468	37,460	98,490	63,350	63,060	55,500	46,830
MEAN	1,104	1,189	2,587	1,482	942	1,112	1,249	3,177	2,112	2,034	1,790	1,561
MAX	1,330	1,490	9,750	2,610	1,020	2,810	1,790	6,100	2,700	2,490	1,830	1,830
MIN	1,040	994	1,040	1,050	902	904	1,070	1,050	1,610	1,780	1,780	1,210
AC-FT	67,880	70,730	159,100	91,140	52,290	68,370	74,300	195,400	125,700	125,100	110,100	92,890

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

MEAN	1,269	1,843	3,024	2,904	2,503	2,545	2,688	2,959	2,565	2,161	2,159	1,716
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	1,790	1,288
(WY)	(1993)	(1988)	(1990)	(2001)	(2001)	(1992)	(1992)	(1992)	(2001)	(1992)	(2005)	(1980)

ROGUE RIVER BASIN

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1978 - 2005	
ANNUAL TOTAL	796,380		621,540			
ANNUAL MEAN	2,176		1,703		2,362	
HIGHEST ANNUAL MEAN					4,012	1997
LOWEST ANNUAL MEAN					1,381	1992
HIGHEST DAILY MEAN	9,750	Dec 9	9,750	Dec 9	23,000	Dec 15, 1977
LOWEST DAILY MEAN	994	Nov 19	902	Feb 26	823	Feb 12, 1981
ANNUAL SEVEN-DAY MINIMUM	1,010	Nov 17	907	Mar 1	840	Oct 15, 2001
ANNUAL RUNOFF (AC-FT)	1,580,000		1,233,000		1,711,000	
10 PERCENT EXCEEDS	3,080		2,620		3,840	
50 PERCENT EXCEEDS	2,000		1,390		1,990	
90 PERCENT EXCEEDS	1,090		955		1,110	

e Estimated

ROGUE RIVER BASIN

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



2005 Water Year
ROGUE RIVER BASIN

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

Latitude: 42° 31 ' 30"

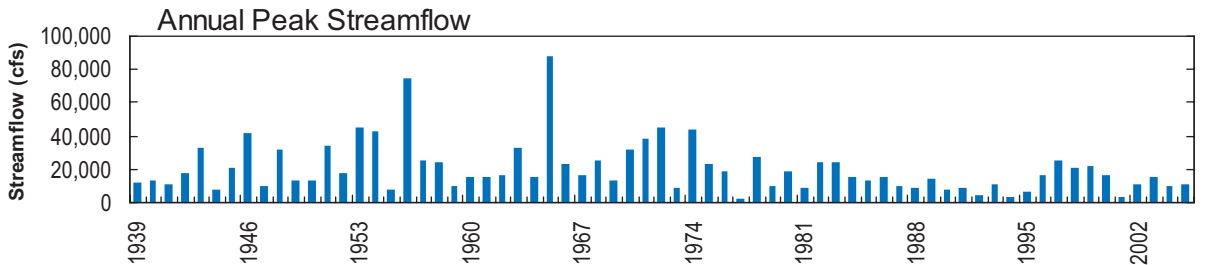
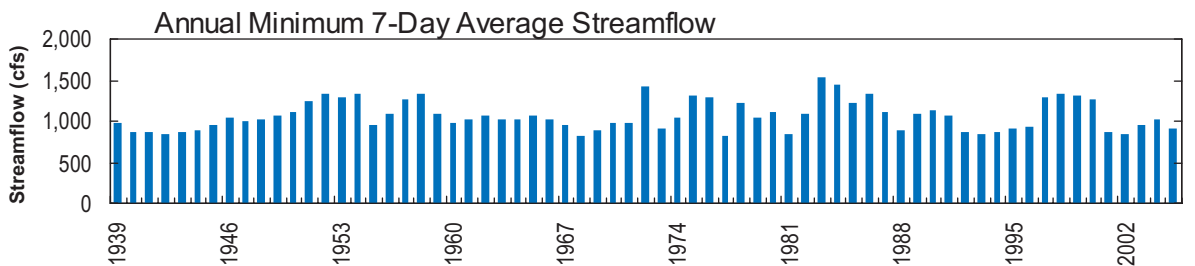
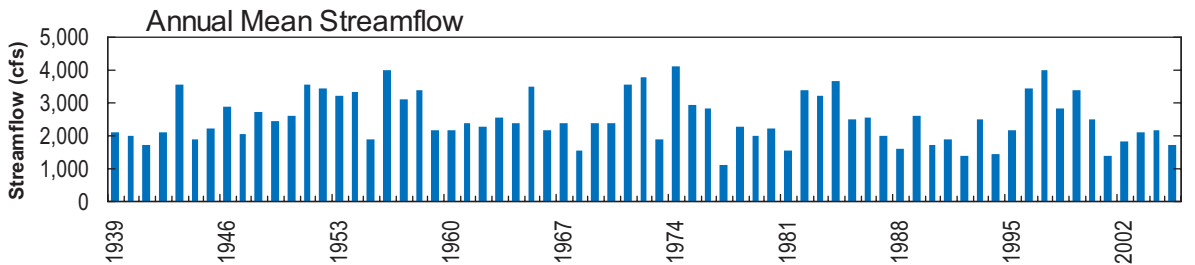
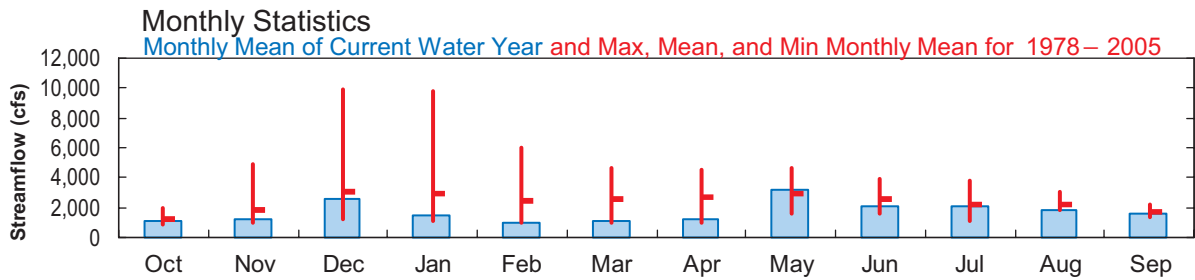
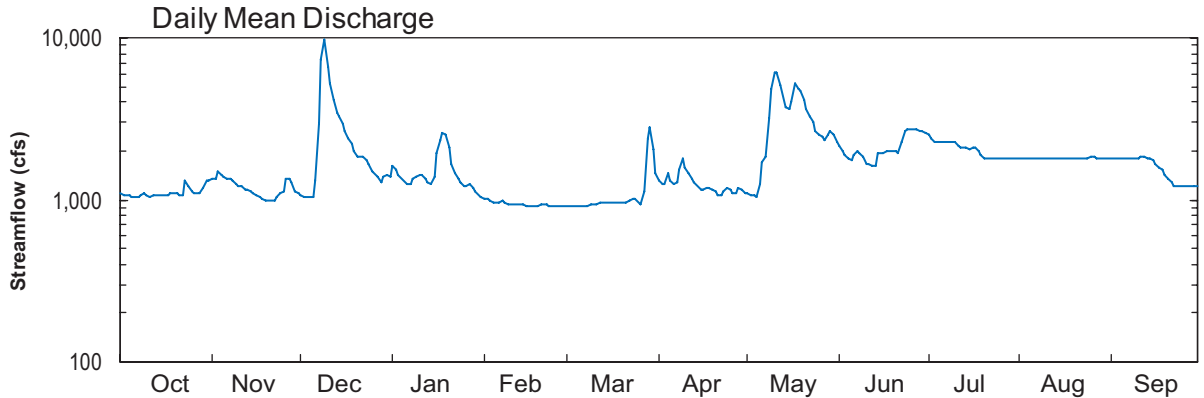
Longitude: 122° 50 ' 30"

Hydrologic Unit Code: 17100307

Jackson County

Datum: 1271.99 feet

Drainage Area: 1215. mi²



ROGUE RIVER BASIN

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.

REMARKS.--

WATER TEMPERATURE: Records good except those for the periods Jan. 20 to Apr. 25, May 21 to June 15, which are fair.

TURBIDITY: Records 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, 18.2°C Aug. 20; minimum, 2.9°C Jan. 13.

TURBIDITY: Maximum recorded, 160 FNU Dec. 8, 9, but may have been higher during periods of missing record; minimum, <1 FNU many days during year.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.7	8.1	10.5	7.7	5.4	6.5	7.3	5.9	6.6	5.5	4.4	5.0
2	12.6	8.5	10.7	7.2	5.2	6.3	7.1	5.3	6.1	5.4	4.2	4.7
3	12.2	8.3	10.4	7.8	5.9	6.8	6.3	4.6	5.5	5.7	4.5	5.0
4	11.9	8.0	10.1	7.2	4.8	6.0	6.2	4.7	5.4	5.4	4.0	4.6
5	11.8	8.0	10	7.2	4.6	6.0	6.8	5.5	6.0	5.1	3.0	4.1
6	12.0	8.4	10.3	7.6	4.8	6.1	6.6	5.7	6.2	5.6	4.1	4.8
7	12.0	8.3	10.2	7.6	5.0	6.3	7.0	5.4	6.3	5.4	4.5	4.9
8	11.2	7.3	9.3	7.5	5.2	6.4	7.2	6.0	6.5	4.7	3.1	3.8
9	9.9	7.8	9.0	7.4	5.3	6.4	8.3	7.0	7.5	5.5	3.0	4.3
10	10.2	6.5	8.4	8.2	6.3	7.3	8.2	7.5	7.8	5.5	4.3	4.8
11	10.2	6.6	8.4	7.9	5.8	6.9	7.8	7.2	7.5	5.3	3.9	4.5
12	10.1	6.6	8.4	7.8	5.9	6.8	7.6	6.9	7.3	5.6	3.6	4.4
13	10.3	6.7	8.6	8.3	6.5	7.3	7.9	6.8	7.3	4.6	2.9	3.8
14	10.4	6.7	8.7	7.8	5.8	6.9	8.0	6.5	7.3	5.0	3.4	4.2
15	9.7	6.6	8.3	7.7	6.0	6.9	7.2	6.0	6.5	5.5	4.4	4.9
16	10.1	6.4	8.3	8.7	6.9	7.6	6.9	5.8	6.3	6.2	4.3	5.1
17	9.0	7.1	7.6	7.8	5.6	6.6	6.8	5.6	6.1	6.2	4.4	5.2
18	8.2	6.8	7.5	7.5	5.6	6.5	7.0	5.3	6.1	6.5	5.0	5.8
19	8.1	6.8	7.4	7.5	5.4	6.5	6.7	5.3	5.9	6.3	5.2	5.8
20	8.8	6.4	7.5	6.6	4.5	5.6	6.7	5.3	5.9	6.3	5.1	5.8
21	8.4	6.1	7.3	6.4	4.1	5.4	6.6	5.0	5.7	5.9	4.6	5.3
22	7.6	6.4	7.0	7.2	4.7	5.8	6.3	4.8	5.5	6.1	4.6	5.4
23	9.0	6.9	7.7	7.9	5.2	6.5	6.2	4.8	5.4	6.1	4.4	5.3
24	8.8	6.5	7.6	8.2	6.0	7.2	5.7	4.4	5.1	6.4	4.1	5.4
25	7.9	5.8	6.8	7.9	6.7	7.2	5.9	4.2	5.0	6.7	5.1	5.9
26	---	---	---	7.0	6.4	6.7	5.7	4.9	5.4	6.9	5.9	6.4
27	---	---	---	7.5	6.2	6.8	6.4	5.0	5.7	7.4	5.8	6.5
28	---	---	---	7.1	5.5	6.2	6.2	4.8	5.6	6.6	5.5	6.1
29	8.0	6.5	7.2	6.1	4.4	5.3	6.6	5.6	6.0	7.1	5.2	6.1
30	7.6	5.7	6.6	7.2	5.3	6.2	6.3	5.2	5.7	6.4	3.8	5.3
31	7.9	5.4	6.5	---	---	---	5.9	4.4	5.2	6.5	4.1	5.1
MONTH	12.7	5.4	8.4	8.7	4.1	6.5	8.3	4.2	6.1	7.4	2.9	5.1

ROGUE RIVER BASIN

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.0	3.5	4.9	7.1	4.7	6.1	9.7	7.9	8.8	14.0	11.2	12.7
2	6.3	3.5	5.0	9.2	5.7	7.2	9.8	7.6	8.8	15.0	11.0	13.0
3	6.6	3.7	5.3	8.3	4.4	6.6	8.8	7.1	7.8	15.6	11.1	13.3
4	6.4	4.0	5.3	8.9	5.8	7.2	9.9	6.7	8.1	14.9	11.2	13.1
5	6.2	4.4	5.4	9.0	4.9	7.0	10.4	7.3	8.9	14.2	11.6	12.7
6	5.6	3.7	4.8	9.4	4.9	7.3	12.3	7.4	10	12.1	11.1	11.6
7	6.8	4.4	5.4	9.7	5.4	7.8	11.2	8.6	9.7	13.6	10.5	11.7
8	5.9	3.5	4.8	10.2	5.6	8.0	8.9	7.1	8.0	12.9	10.2	11.4
9	6.4	3.2	4.9	10.2	6.1	8.2	10.4	7.2	8.7	11.4	9.8	10.6
10	6.4	3.3	5.0	10.6	6.0	8.4	10.6	6.8	8.9	10.0	8.7	9.3
11	6.5	3.3	5.1	10.9	6.1	8.7	11.5	8.7	10.0	10.9	8.3	9.5
12	6.2	3.9	5.2	11.0	6.4	8.8	10.1	7.7	9.0	11.4	8.7	9.9
13	6.6	5.0	5.8	10.6	5.6	8.3	9.6	6.6	8.3	12.0	9.5	10.5
14	6.8	3.7	5.3	9.8	5.7	7.8	11.5	6.8	9.0	12.7	10.3	11.4
15	6.3	3.1	4.9	9.8	5.0	7.6	11.7	7.2	9.7	11.3	9.8	10.7
16	6.8	3.5	5.2	8.3	5.9	7.0	10.8	8.8	9.9	11.2	9.6	10.3
17	7.5	3.8	5.7	9.8	6.5	8.0	11.4	8.4	9.9	9.8	8.1	8.9
18	7.5	4.3	6.1	10.6	6.6	8.6	11.6	7.9	9.7	10.4	8.1	9.1
19	8.1	5.5	6.9	9.5	7.4	8.4	12.5	7.6	10.1	11.1	8.6	9.6
20	8.2	5.8	6.9	8.2	6.3	7.3	12.8	8.1	10.6	10.9	8.7	9.7
21	8.2	4.7	6.5	9.4	6.2	7.8	13.7	8.8	11.3	12.5	9.1	10.5
22	8.2	4.4	6.4	10.7	6.9	8.7	14.3	9.4	11.9	12.9	9.7	11.0
23	8.2	4.4	6.5	10.0	7.5	8.6	12.8	10.5	11.7	13.4	9.2	11.0
24	8.3	4.5	6.5	10.0	6.6	8.2	13.7	9.9	11.9	14.4	9.8	11.6
25	8.3	4.3	6.5	9.9	6.7	8.3	14.6	10.1	12.3	14.9	10.3	12.3
26	8.1	4.6	6.5	9.7	7.3	8.5	15.5	10.4	13.0	15.0	10.2	12.5
27	7.8	5.3	6.7	8.8	7.8	8.3	14.5	10.5	12.7	15.3	10.9	12.8
28	8.1	5.8	6.9	9.2	7.6	8.3	13.5	11.1	12.2	12.6	10.8	11.8
29	---	---	---	9.0	7.1	8.0	14.3	10.0	12.1	11.8	10.3	11.0
30	---	---	---	9.6	6.3	7.9	15.2	10.2	12.8	13.7	10.3	11.7
31	---	---	---	10.6	6.1	8.5	---	---	---	13.3	10.6	11.8
MONTH	8.3	3.1	5.7	11.0	4.4	7.9	15.5	6.6	10.2	15.6	8.1	11.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	13.7	10.1	11.8	16.3	11.0	13.5	16.4	11.2	13.7	17.2	12.4	14.7
2	14.8	9.9	12.2	16.0	11.0	13.5	17.0	11.3	13.9	16.5	12.2	14.4
3	16.0	10.8	13.0	16.3	11.0	13.4	16.9	11.0	13.9	15.2	12.5	13.7
4	16.1	11.2	13.2	16.5	11.0	13.5	17.2	11.4	14.2	16.5	12.2	14.0
5	14.0	11.2	12.5	16.5	11.2	13.7	17.5	11.5	14.3	16.6	11.7	14.0
6	12.5	10.2	11.2	16.4	11.2	13.7	17.4	11.5	14.4	16.6	12.3	14.2
7	12.8	10.1	11.4	16.1	11.2	13.5	17.2	11.5	14.4	16.9	12.2	14.3
8	15.5	9.7	12.4	15.9	11.5	13.3	17.6	11.6	14.6	16.2	12.4	14.2
9	15.6	10.7	13.1	15.1	11.6	13.3	17.6	11.6	14.6	14.9	12.0	13.3
10	15.9	11.5	13.5	16.2	11.8	13.7	17.6	11.5	14.5	13.5	11.2	12.2
11	15.3	11.6	12.9	16.6	11.5	13.8	17.5	11.2	14.4	15.1	11.1	12.9
12	16.0	10.5	13.1	17.0	11.5	13.9	17.2	12.0	14.4	15.2	11.2	12.8
13	16.8	11.3	13.9	16.9	11.0	13.9	17.8	11.9	14.8	15.2	10.8	12.7
14	15.3	11.4	13.1	17.4	11.4	14.2	17.9	12.4	15.0	15.3	10.8	12.8
15	15.4	10.3	12.8	17.6	12.1	14.5	17.9	12.3	15.0	14.7	10.8	12.5
16	13.2	10.8	11.9	17.4	11.9	14.4	18.1	12.5	15.2	14.0	10.3	11.9
17	12.4	10.4	11.4	17.3	11.5	14.4	17.9	12.2	15.0	14.3	10.4	12.1
18	13.1	10.4	11.6	17.1	11.8	14.2	17.9	12.5	15.1	14.8	10.0	12.1
19	15.1	10.6	12.6	16.9	11.3	14.1	18.0	12.8	15.2	14.8	10.0	12.3
20	16.1	11.0	13.2	16.8	10.8	13.7	18.2	13.3	15.4	14.9	10.3	12.5
21	15.5	11.3	13.1	14.9	11.3	13.1	18.1	13.0	15.4	14.9	10.2	12.5
22	15.2	11.3	13.1	16.7	11.7	13.9	17.6	12.6	15.2	13.6	9.7	11.7
23	15.2	10.6	12.8	16.9	11.0	13.9	17.8	12.6	15.0	12.2	9.5	10.8
24	15.6	10.7	12.9	17.0	10.7	13.9	17.1	11.9	14.4	12.9	8.6	10.8
25	14.8	11.0	12.7	16.6	10.7	13.6	17.3	12.4	14.6	13.0	8.2	10.6
26	15.0	10.7	12.7	17.2	11.1	14.1	17.3	12.6	14.6	12.6	8.3	10.6
27	13.8	11.1	12.4	16.9	11.8	14.1	17.4	12.6	14.6	13.4	9.3	11.3
28	15.2	11.0	13.0	16.7	11.0	13.8	17.3	11.9	14.5	13.0	9.1	11.0
29	15.5	10.6	13.0	16.9	10.6	13.7	15.5	12.6	14.0	13.2	8.6	10.9
30	15.7	10.7	13.0	16.8	10.5	13.7	16.9	11.9	14.3	13.3	9.1	11.2
31	---	---	---	16.9	11.1	13.9	17.0	12.2	14.5	---	---	---
MONTH	16.8	9.7	12.7	17.6	10.5	13.8	18.2	11.0	14.6	17.2	8.2	12.5
YEAR	18.2	2.9	9.6									

ROGUE RIVER BASIN

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 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	4	<1	<1	---	---	---	2	<1	1	---	---	---
2	5	<1	<1	---	---	---	4	<1	1	---	---	---
3	2	<1	<1	---	---	---	4	<1	1	---	---	---
4	1	<1	<1	---	---	---	6	<1	1	---	---	---
5	2	<1	<1	---	---	---	3	1	1	---	---	---
6	2	<1	<1	---	---	---	24	<1	2	---	---	---
7	2	<1	<1	---	---	---	---	---	---	5	2	2
8	2	<1	<1	2	<1	<1	---	---	---	4	3	4
9	4	<1	1	---	---	---	160	51	110	5	3	3
10	4	<1	1	---	---	---	53	12	22	8	4	5
11	5	<1	1	2	<1	1	---	---	---	7	5	6
12	2	<1	<1	2	<1	1	---	---	---	6	4	4
13	6	<1	<1	2	<1	1	---	---	---	6	3	3
14	2	<1	<1	4	1	1	---	---	---	3	2	3
15	4	<1	<1	3	1	1	---	---	---	8	2	3
16	4	<1	<1	2	1	1	---	---	---	23	8	11
17	2	<1	1	3	1	1	---	---	---	21	15	17
18	4	1	2	5	1	1	---	---	---	19	16	18
19	4	2	2	4	<1	1	---	---	---	19	10	14
20	4	2	2	3	1	1	---	---	---	10	7	9
21	5	2	3	2	<1	1	---	---	---	8	6	7
22	4	1	2	3	1	1	---	---	---	7	4	5
23	12	2	5	2	1	2	---	---	---	6	4	4
24	15	7	8	3	<1	1	---	---	---	4	3	4
25	---	---	---	2	<1	1	---	---	---	4	3	3
26	---	---	---	4	1	2	---	---	---	4	3	3
27	---	---	---	4	1	2	---	---	---	4	3	4
28	---	---	---	4	1	2	---	---	---	6	2	3
29	---	---	---	4	<1	2	---	---	---	3	2	2
30	---	---	---	5	<1	1	---	---	---	3	2	2
31	---	---	---	---	---	---	---	---	---	3	2	2
MAX	15	7	8	5	1	2	160	51	110	23	16	18
MIN	1	<1	<1	2	<1	<1	2	<1	1	3	2	2
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	3	1	2	3	<1	1	12	6	7	2	1	2
2	2	1	1	2	<1	1	7	4	5	4	1	2
3	2	1	1	2	<1	1	11	3	4	5	1	2
4	3	1	1	2	<1	1	11	6	10	6	1	2
5	2	1	1	2	<1	1	8	5	6	13	2	5
6	2	1	1	2	<1	1	6	3	4	37	6	11
7	5	1	1	2	<1	1	6	3	4	17	6	9
8	3	1	1	2	<1	1	13	4	8	24	5	15
9	2	1	1	2	<1	1	17	7	10	30	13	19
10	3	<1	1	3	<1	1	12	5	7	31	13	20
11	4	<1	1	6	<1	1	13	4	5	25	9	12
12	2	<1	1	4	<1	1	8	3	4	12	6	7
13	4	<1	1	3	<1	1	8	3	4	14	6	8
14	2	<1	1	3	<1	1	4	2	3	20	5	9
15	3	<1	1	2	<1	1	4	2	2	23	4	12
16	2	<1	1	4	<1	1	3	2	2	25	5	14
17	7	<1	1	3	<1	1	5	2	3	26	4	6
18	2	<1	1	2	<1	1	12	2	3	28	4	5
19	4	<1	1	2	<1	1	5	2	2	10	4	7
20	3	<1	1	4	<1	1	5	2	2	9	2	4
21	3	<1	1	3	<1	1	7	2	2	6	2	3
22	4	<1	1	4	<1	1	4	1	2	9	2	2
23	2	<1	1	6	1	2	6	1	2	4	2	2
24	3	<1	1	13	1	2	3	1	2	4	1	2
25	2	<1	<1	6	1	2	3	2	2	30	1	2
26	2	<1	<1	4	<1	1	3	1	2	5	1	2
27	2	<1	<1	67	<1	1	6	1	2	3	1	2
28	3	<1	1	73	28	49	6	2	4	12	2	7
29	---	---	---	59	27	42	4	2	3	6	2	3
30	---	---	---	34	14	21	4	2	2	4	2	2
31	---	---	---	15	9	11	---	---	---	3	1	2
MAX	7	1	2	73	28	49	17	7	10	37	13	20
MIN	2	<1	<1	2	<1	1	3	1	2	2	1	2

ROGUE RIVER BASIN

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	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	3	1	2	12	<1	2	8	2	2	2	<1	1
2	7	1	2	22	<1	8	3	2	2	2	<1	1
3	2	1	2	75	<1	9	3	2	2	2	<1	<1
4	4	1	2	16	<1	12	3	2	2	2	<1	1
5	2	1	1	27	1	15	4	3	3	2	<1	1
6	10	1	1	25	1	17	6	3	4	7	<1	1
7	8	1	1	26	1	17	9	3	5	7	<1	1
8	4	<1	1	26	<1	2	10	3	6	7	<1	<1
9	2	1	1	37	<1	1	10	1	6	3	<1	<1
10	6	<1	1	7	1	2	2	1	2	15	<1	<1
11	6	<1	1	6	<1	2	7	1	2	8	<1	<1
12	3	<1	1	2	<1	1	7	1	2	3	<1	<1
13	3	<1	1	3	1	1	5	1	2	7	<1	<1
14	3	<1	1	3	<1	2	3	1	1	7	<1	<1
15	10	<1	1	2	2	2	3	<1	1	6	<1	<1
16	3	<1	1	5	2	2	5	1	1	11	<1	<1
17	2	1	1	3	2	2	7	1	1	8	<1	<1
18	9	1	2	2	2	2	---	---	---	10	<1	<1
19	4	1	2	4	2	2	---	---	---	2	<1	<1
20	19	1	3	3	1	2	---	---	---	8	<1	<1
21	9	2	4	3	1	2	---	---	---	9	<1	<1
22	54	3	6	2	1	2	---	---	---	4	<1	<1
23	11	3	5	3	1	2	---	---	---	2	<1	<1
24	14	5	10	2	1	2	---	---	---	3	<1	<1
25	29	8	14	7	1	2	---	---	---	7	<1	<1
26	29	9	16	2	1	2	1	<1	<1	2	<1	<1
27	21	9	13	4	2	2	1	<1	<1	9	<1	<1
28	40	9	19	4	2	2	2	<1	<1	1	<1	<1
29	21	6	13	4	2	2	4	<1	1	<1	<1	<1
30	17	<1	11	4	1	2	4	<1	1	2	<1	<1
31	---	---	---	5	1	2	3	<1	1	---	---	---
MAX	54	9	19	75	2	17	10	3	6	15	<1	1
MIN	2	<1	1	2	<1	1	1	<1	<1	<1	<1	<1

ROGUE RIVER BASIN

14353000 WEST FORK ASHLAND CREEK, NEAR ASHLAND, OR

LOCATION.--Lat 42°08'56", long 122°42'56" near line between NW 1/4 SW 1/4 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, October 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 2,963.75 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. Oct.,2002 to Aug. 2005 at datum 1.0 ft higher.

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

AVERAGE DISCHARGE.--18 years (water years 1925-32, 1976-82, 2003-05), 9.29 ft³/s, 12.02 in/yr, 6,730 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, 0.8 ft³/s Sept. 7, 2005.

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 8	2030	*60	*0.90	May 9	1800	51	0.82

Minimum discharge, 0.81 ft³/s, Sept. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.9	4.0	3.9	6.4	3.7	7.6	18	26	11	3.0	1.2
2	2.4	5.8	3.9	3.8	6.1	3.7	7.4	18	25	10	2.9	1.2
3	2.4	8.6	3.5	3.6	5.9	3.4	7.5	18	23	9.8	2.8	1.2
4	2.4	6.1	3.5	3.4	5.8	3.5	6.9	19	22	9.4	2.7	1.3
5	2.5	5.5	3.5	3.4	5.7	3.3	7.0	27	21	9.5	2.5	1.2
6	2.5	5.2	3.7	3.4	5.4	3.2	7.4	33	21	9.2	2.4	1.1
7	2.7	4.7	5.0	3.5	5.3	3.3	8.4	33	21	9.1	e2.3	1.1
8	2.7	4.5	36	3.0	4.9	3.4	7.9	39	20	8.6	e2.1	1.1
9	4.6	4.4	28	4.1	4.8	3.6	7.7	44	19	8.7	e2.0	1.2
10	3.6	4.6	21	3.5	4.6	3.6	7.6	44	19	8.8	e2.0	1.9
11	3.3	4.4	17	3.4	4.5	3.6	8.3	43	18	8.1	e1.9	2.2
12	2.9	4.3	15	3.0	4.4	3.6	8.1	41	17	7.8	1.9	1.6
13	2.9	4.7	13	3.8	4.6	3.5	7.4	38	17	7.5	1.9	1.5
14	2.8	4.3	11	3.3	4.6	3.3	7.2	36	16	7.1	1.8	1.4
15	2.7	4.2	9.7	6.4	4.4	3.2	7.1	35	16	6.0	1.7	1.3
16	2.8	4.3	8.1	6.1	4.3	3.1	7.9	36	17	5.2	1.7	1.3
17	6.7	4.1	7.3	7.2	4.2	3.0	8.8	32	18	4.9	1.7	1.9
18	4.6	4.3	7.0	10	4.1	3.0	8.1	39	19	4.6	1.7	1.6
19	9.3	4.2	6.7	12	4.2	3.4	7.9	36	18	4.4	1.6	1.3
20	5.4	3.9	6.1	13	4.2	3.7	8.3	33	16	4.2	1.5	1.3
21	4.4	3.9	5.6	12	3.9	3.5	8.2	31	16	4.1	1.5	1.2
22	5.6	4.0	5.2	11	3.8	4.6	8.3	30	15	4.0	1.5	1.1
23	15	3.9	4.6	11	3.6	5.1	9.1	29	14	3.9	1.4	1.8
24	7.2	4.0	4.5	11	3.6	3.9	9.4	27	14	3.8	1.4	1.8
25	5.7	9.2	4.3	11	3.5	3.7	9.4	27	14	3.7	1.3	1.5
26	6.6	6.2	4.5	11	3.3	4.4	9.7	27	13	3.5	1.3	1.4
27	5.4	5.3	4.9	10	3.5	12	11	28	13	3.3	1.2	1.3
28	5.3	4.4	4.9	9.1	3.9	10	22	33	13	3.3	1.2	1.2
29	5.9	4.3	4.6	8.0	---	8.8	17	29	12	3.2	1.3	1.1
30	6.3	4.3	4.4	7.3	---	7.5	17	28	11	3.1	1.3	1.1
31	5.6	---	4.1	6.9	---	7.3	---	27	---	3.0	1.3	---
TOTAL	144.6	146.5	264.6	212.1	127.5	138.9	275.6	978	524	192.8	56.8	41.4
MEAN	4.66	4.88	8.54	6.84	4.55	4.48	9.19	31.5	17.5	6.22	1.83	1.38
MAX	15	9.2	36	13	6.4	12	22	44	26	11	3.0	2.2
MIN	2.4	3.9	3.5	3.0	3.3	3.0	6.9	18	11	3.0	1.2	1.1
AC-FT	287	291	525	421	253	276	547	1,940	1,040	382	113	82
CFSM	0.44	0.47	0.81	0.65	0.43	0.43	0.87	3.00	1.66	0.59	0.17	0.13
IN.	0.51	0.52	0.94	0.75	0.45	0.49	0.98	3.46	1.86	0.68	0.20	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2005, BY WATER YEAR (WY)

	3.61	6.06	9.10	9.08	11.2	11.7	13.3	19.7	16.0	6.47	3.60	3.19
MEAN	3.61	6.06	9.10	9.08	11.2	11.7	13.3	19.7	16.0	6.47	3.60	3.19
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	1.38
(WY)	(1932)	(1930)	(1932)	(1977)	(1977)	(1977)	(1977)	(1931)	(1931)	(1926)	(1931)	(2005)

ROGUE RIVER BASIN

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1925 - 2005	
ANNUAL TOTAL	3,939.7		3,102.8		9.29	
ANNUAL MEAN	10.8		8.50		17.9	
HIGHEST ANNUAL MEAN					1982	
LOWEST ANNUAL MEAN					3.26	
HIGHEST DAILY MEAN	77	Feb 17	44	May 9	112	Feb 21, 1927
LOWEST DAILY MEAN	2.3	Sep 10	1.1	Sep 6	1.1	Sep 6, 2005
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 6	1.2	Sep 2	1.2	Sep 2, 2005
ANNUAL RUNOFF (AC-FT)	7,810		6,150		6,730	
ANNUAL RUNOFF (CFSM)	1.03		0.810		0.885	
ANNUAL RUNOFF (INCHES)	13.96		10.99		12.02	
10 PERCENT EXCEEDS	22		21		21	
50 PERCENT EXCEEDS	8.5		4.6		5.8	
90 PERCENT EXCEEDS	2.7		1.6		2.4	

e Estimated

ROGUE RIVER BASIN

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



2005 Water Year
ROGUE RIVER BASIN

14353000 WEST FORK ASHLAND CREEK NEAR ASHLAND, OR

Latitude: 42° 08' 56"

Longitude: 122° 42' 56"

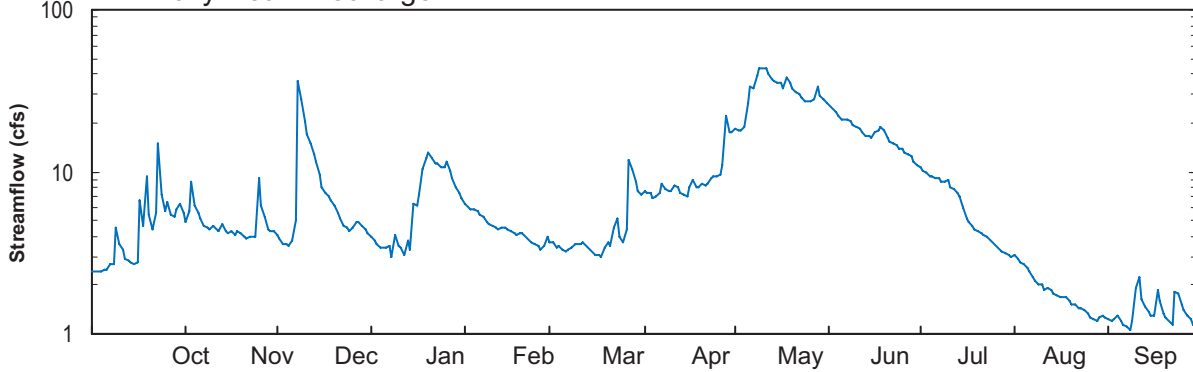
Hydrologic Unit Code: 17100308

Jackson County

Datum: 2963.75 feet

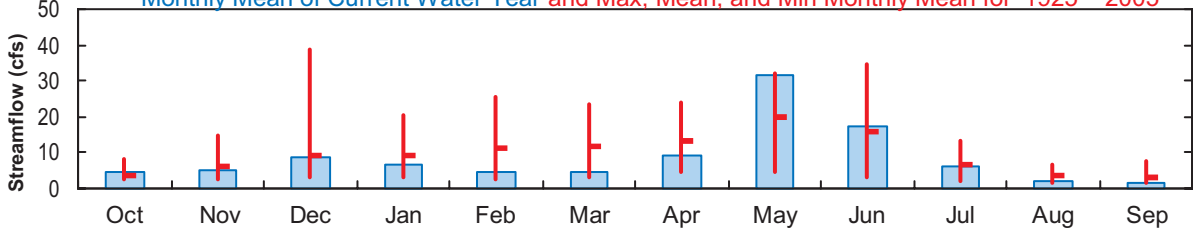
Drainage Area: 10.5 mi²

Daily Mean Discharge

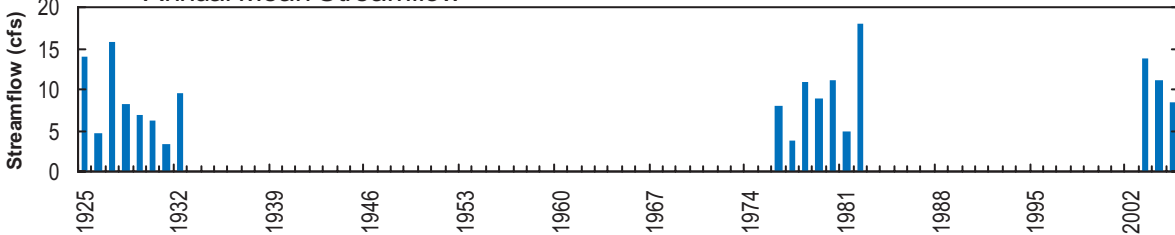


Monthly Statistics

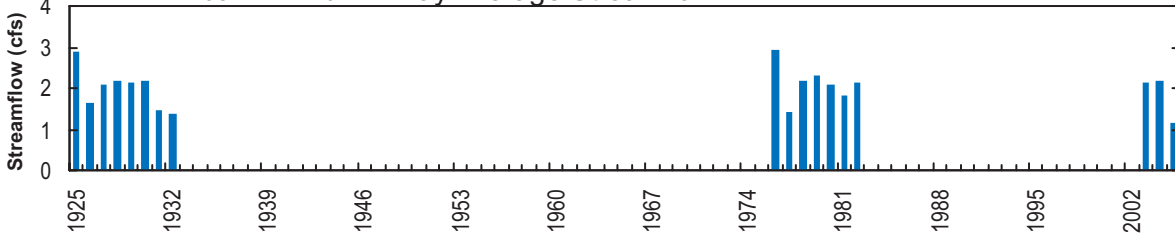
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1925–2005



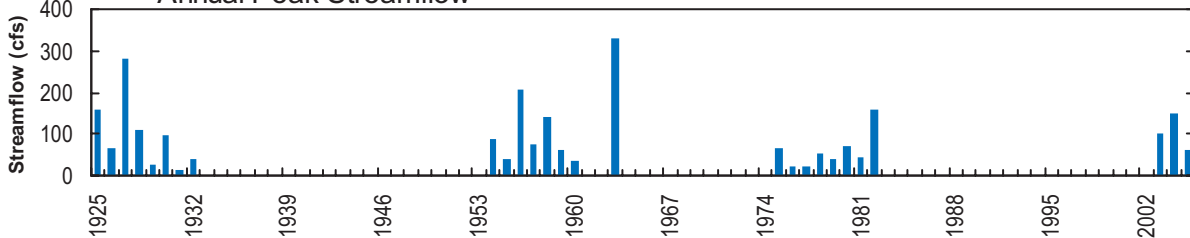
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ROGUE RIVER BASIN

14353500 EAST FORK ASHLAND CREEK, NEAR ASHLAND, OR

LOCATION.--Lat 42°09'10", long 122°42'30" near line between NE 1/4 NW 1/4 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 current year.

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.--18 years (water years 1925-32, 1976-82, 2005), 9.76 ft³/s, 16.29 in/yr, 7,070 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)
Dec 8	2100	52	2.52	May 13	1930	48	2.48
Jan 13	1200	42	2.41	May 18	1700	*60	*2.60
May 9	0900	53	2.53	May 28	0730	51	2.51

Minimum discharge, 2.1 ft³/s, Oct. 1, 4, Sept. 22, gage height, 1.62 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	5.0	e5.2	8.5	12	8.2	13	20	34	14	5.4	2.7
2	2.5	5.7	5.2	8.4	12	8.2	13	20	32	14	5.3	2.7
3	2.5	7.6	5.2	8.1	11	7.7	13	19	31	14	5.1	2.7
4	2.5	5.8	5.2	9.1	12	7.6	12	21	29	13	4.9	2.8
5	2.6	5.5	5.0	11	11	7.6	12	28	28	13	4.7	2.7
6	2.6	5.2	5.0	7.3	11	7.5	12	29	28	13	4.6	2.6
7	2.7	5.0	6.7	7.6	11	8.1	13	30	28	12	4.5	2.6
8	2.7	5.1	31	8.6	10	8.5	13	39	26	12	4.4	2.5
9	3.4	5.1	31	9.1	9.7	8.9	12	45	24	12	4.3	2.7
10	3.2	5.3	24	7.6	9.2	8.9	12	44	23	11	4.3	3.0
11	3.0	5.1	20	7.4	9.1	9.3	13	43	23	11	4.2	3.3
12	2.9	4.8	19	17	8.8	9.4	13	40	22	11	4.2	2.9
13	2.9	5.2	18	27	8.9	8.7	12	38	21	10	4.1	2.8
14	2.8	4.9	17	7.4	8.7	7.8	12	38	20	9.8	4.1	2.7
15	2.8	4.6	15	10	8.4	7.6	12	36	20	9.4	3.8	2.6
16	2.7	4.7	14	10	8.1	7.3	13	36	21	9.3	3.7	2.7
17	6.2	4.4	13	11	8.1	7.0	14	34	22	8.8	3.7	2.9
18	4.5	4.7	13	14	7.8	7.2	13	44	24	8.4	3.7	2.8
19	8.6	4.5	13	15	8.0	8.0	12	45	22	8.4	3.5	2.6
20	5.8	4.6	12	15	8.6	8.1	13	41	20	8.0	3.4	2.5
21	4.8	4.4	11	14	8.1	7.7	13	39	19	7.7	3.5	2.5
22	5.5	4.4	11	14	7.8	8.8	14	36	19	7.6	3.5	2.4
23	13	4.5	10	15	7.6	9.1	16	35	18	7.0	3.4	2.9
24	7.2	4.5	9.6	16	7.5	7.8	15	33	17	6.7	3.5	3.0
25	5.9	10	9.5	18	7.5	7.6	15	32	17	6.7	3.3	2.8
26	6.9	7.9	9.4	21	7.4	8.4	15	32	16	6.4	3.3	2.6
27	5.6	e6.5	9.9	20	7.7	20	17	33	16	6.2	3.2	2.5
28	5.4	e5.3	9.6	18	9.0	18	30	39	16	6.0	3.3	2.5
29	5.7	e5.1	9.3	16	---	16	19	36	15	5.7	3.1	2.5
30	6.2	e5.1	9.2	15	---	13	19	36	15	5.5	2.9	2.5
31	5.6	---	9.0	13	---	13	---	35	---	5.2	2.8	---
TOTAL	141.2	160.5	385.0	399.1	256.0	291.0	425	1,076	666	292.8	121.7	81.0
MEAN	4.55	5.35	12.4	12.9	9.14	9.39	14.2	34.7	22.2	9.45	3.93	2.70
MAX	13	10	31	27	12	20	30	45	34	14	5.4	3.3
MIN	2.5	4.4	5.0	7.3	7.4	7.0	12	19	15	5.2	2.8	2.4
AC-FT	280	318	764	792	508	577	843	2,130	1,320	581	241	161
CFSM	0.56	0.66	1.53	1.58	1.12	1.15	1.74	4.26	2.73	1.16	0.48	0.33
IN.	0.65	0.73	1.76	1.82	1.17	1.33	1.94	4.92	3.04	1.34	0.56	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2005, BY WATER YEAR (WY)

	3.41	6.07	9.58	8.93	11.5	11.8	12.7	20.3	19.1	8.35	3.98	3.19
MEAN												
MAX	6.79	16.1	42.9	20.4	30.8	24.7	23.1	34.7	51.1	17.7	6.65	6.65
(WY)	(1925)	(1982)	(1982)	(1980)	(1982)	(1982)	(1925)	(2005)	(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)

ROGUE RIVER BASIN

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1925 - 2005	
ANNUAL TOTAL	4,040.5		4,295.3			
ANNUAL MEAN	11.0		11.8		9.76	
HIGHEST ANNUAL MEAN					19.2	1982
LOWEST ANNUAL MEAN					3.18	1977
HIGHEST DAILY MEAN	70	Feb 18	45	May 9	130	Dec 19, 1981
LOWEST DAILY MEAN	2.4	Sep 10	2.4	Sep 22	1.0	Aug 29, 1931
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 28	2.6	Oct 1	1.0	Aug 29, 1931
ANNUAL RUNOFF (AC-FT)	8,010		8,520		7,070	
ANNUAL RUNOFF (CFSM)	1.36		1.45		1.20	
ANNUAL RUNOFF (INCHES)	18.47		19.63		16.29	
10 PERCENT EXCEEDS	21		28		21	
50 PERCENT EXCEEDS	9.0		8.7		6.2	
90 PERCENT EXCEEDS	3.0		2.9		2.5	

e Estimated



2005 Water Year
ROGUE RIVER BASIN

14353500 EAST FORK ASHLAND CREEK NEAR ASHLAND, OR

Latitude: 42° 09' 10"

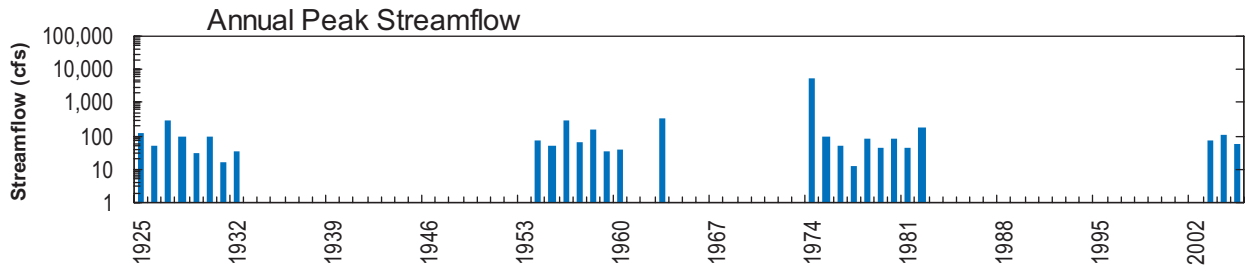
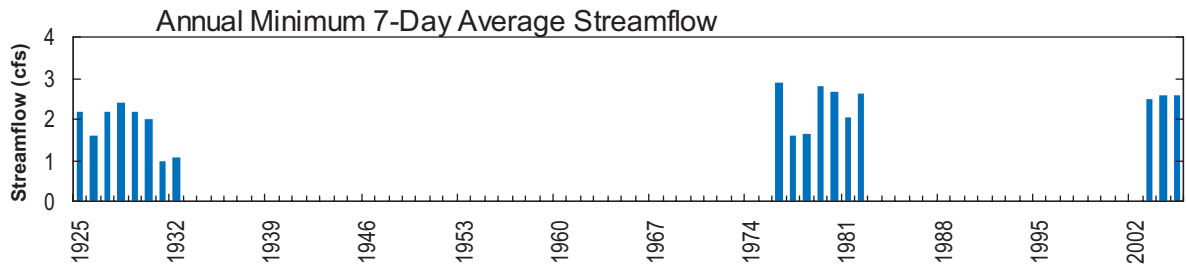
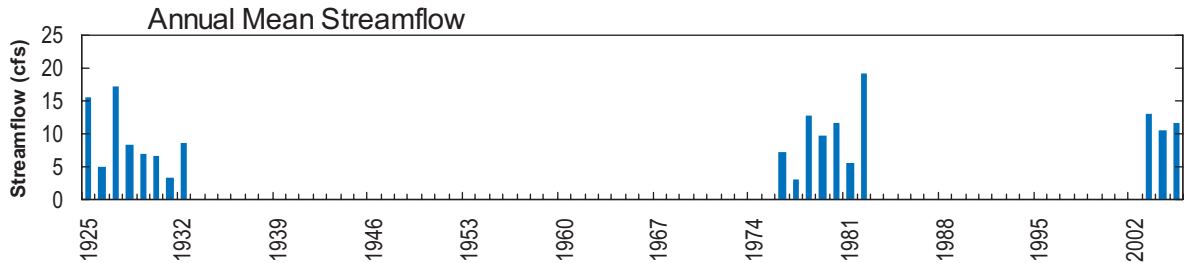
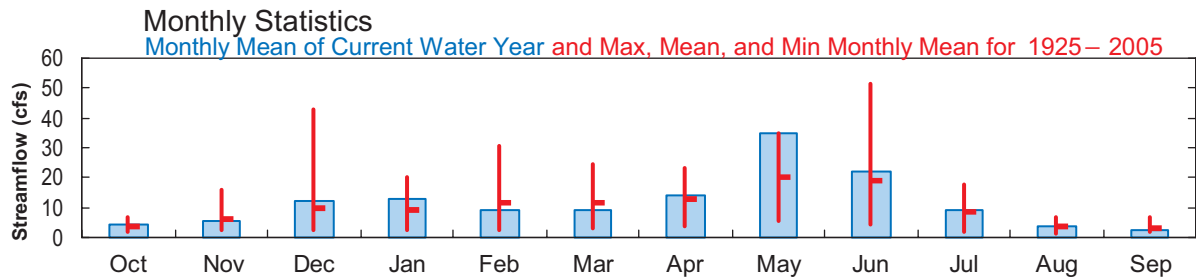
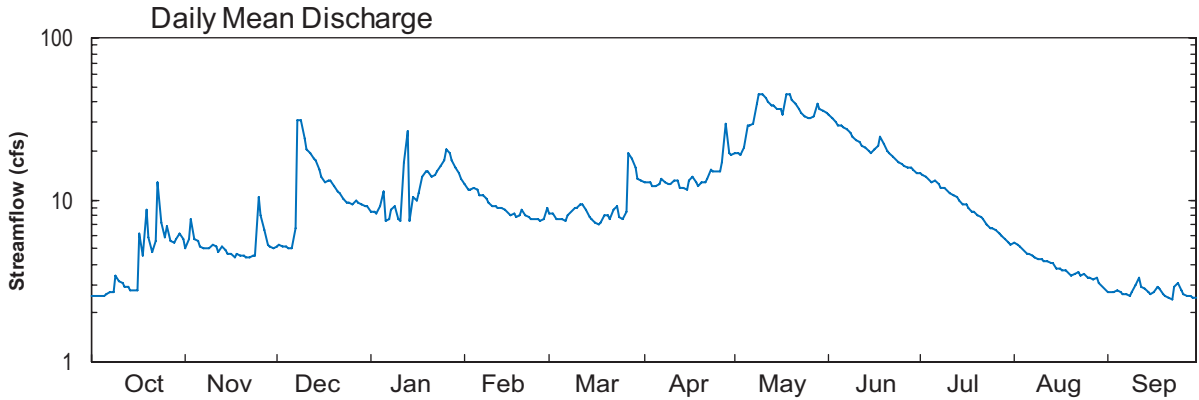
Longitude: 122° 42' 30"

Hydrologic Unit Code: 17100308

Jackson County

Datum: 2903.70 feet

Drainage Area: 8.14 mi²



ROGUE RIVER BASIN

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.--Records fair except for those during the period May 29 to July 6 and estimated daily discharges, which are poor. 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.--15 years (water years 1991-2005) 85.9 ft³/s, 62,250 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, 580 ft³/s Dec. 8, gage height, 2.91 ft; minimum discharge, 11 ft³/s Nov. 23-25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	15	19	30	45	28	54	80	78	57	67	36
2	24	23	18	29	42	28	52	77	71	59	63	33
3	24	43	17	27	39	27	53	72	65	58	62	38
4	24	21	17	24	40	27	53	77	61	56	68	42
5	24	18	17	23	40	27	39	119	59	53	68	35
6	23	17	49	23	38	27	31	212	70	54	64	37
7	23	15	79	25	41	27	38	176	81	e52	59	36
8	23	15	271	28	37	27	50	288	71	e52	58	31
9	26	14	195	30	37	27	53	352	63	e56	51	26
10	23	14	118	29	35	28	49	318	56	e64	48	20
11	23	14	90	31	33	26	50	264	56	e60	47	25
12	22	14	73	26	32	25	52	223	54	e48	44	19
13	28	14	65	25	33	22	48	237	45	e46	43	18
14	21	14	60	25	34	20	42	252	41	51	40	18
15	17	14	53	36	33	19	38	220	39	50	36	16
16	17	14	47	54	31	19	40	234	39	52	36	17
17	35	14	43	57	30	19	57	248	48	58	47	22
18	24	14	42	60	29	20	51	266	47	55	62	22
19	34	14	39	64	29	21	55	302	43	57	62	15
20	26	14	37	67	30	21	61	267	35	59	62	16
21	22	14	33	66	30	21	46	228	32	62	63	16
22	26	13	28	62	28	29	39	191	39	67	62	20
23	94	12	26	61	28	36	45	159	43	66	60	30
24	29	13	25	60	27	27	46	132	45	65	50	24
25	21	40	24	60	27	24	44	114	53	63	40	21
26	24	29	31	69	26	23	34	93	55	59	39	20
27	19	42	46	70	26	39	39	86	51	57	37	19
28	17	24	35	61	29	63	150	122	51	58	35	18
29	17	20	35	56	---	68	94	89	51	58	34	18
30	18	19	32	53	---	55	79	86	54	62	32	18
31	17	---	29	51	---	54	---	87	---	67	36	---
TOTAL	790	561	1,693	1,382	929	924	1,582	5,671	1,596	1,781	1,575	726
MEAN	25.5	18.7	54.6	44.6	33.2	29.8	52.7	183	53.2	57.5	50.8	24.2
MAX	94	43	271	70	45	68	150	352	81	67	68	42
MIN	17	12	17	23	26	19	31	72	32	46	32	15
AC-FT	1,570	1,110	3,360	2,740	1,840	1,830	3,140	11,250	3,170	3,530	3,120	1,440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

MEAN	17.7	35.4	117	164	125	124	127	125	68.4	51.9	48.9	27.7
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 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1991 - 2005

ANNUAL TOTAL	22,756	19,210	
ANNUAL MEAN	62.2	52.6	85.9
HIGHEST ANNUAL MEAN			226
LOWEST ANNUAL MEAN			22.0
HIGHEST DAILY MEAN	858	352	6,910
LOWEST DAILY MEAN	12	12	0.90
ANNUAL SEVEN-DAY MINIMUM	13	13	1.4
ANNUAL RUNOFF (AC-FT)	45,140	38,100	62,250
10 PERCENT EXCEEDS	112	79	185
50 PERCENT EXCEEDS	53	39	44
90 PERCENT EXCEEDS	20	18	14

e Estimated



2005 Water Year
ROGUE RIVER BASIN

14354200 BEAR CREEK BLW ASHLAND CREEK AT ASHLAND, OR

Latitude: 42° 12' 58"

Longitude: 122° 43' 16"

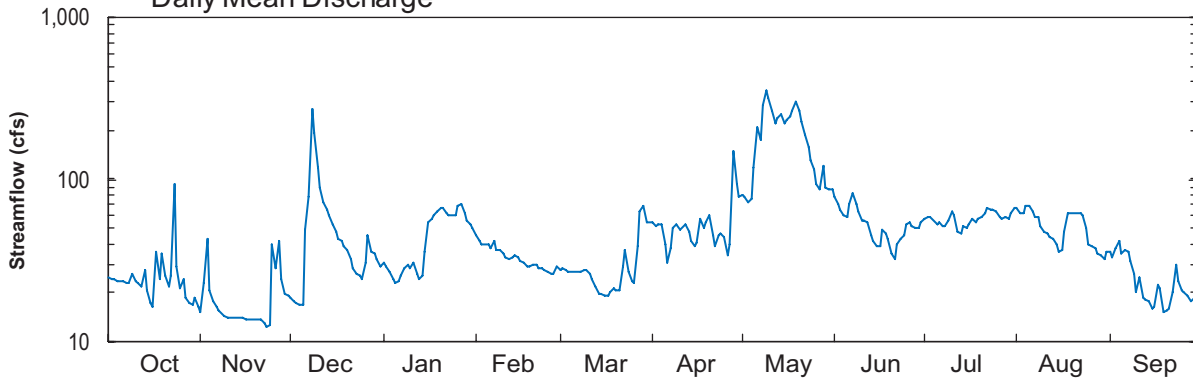
Hydrologic Unit Code: 17100308

Jackson County

Datum: 1686 feet

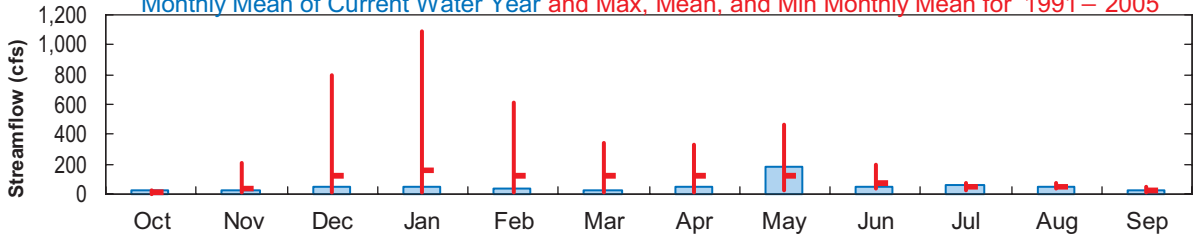
Drainage Area: 168 mi²

Daily Mean Discharge

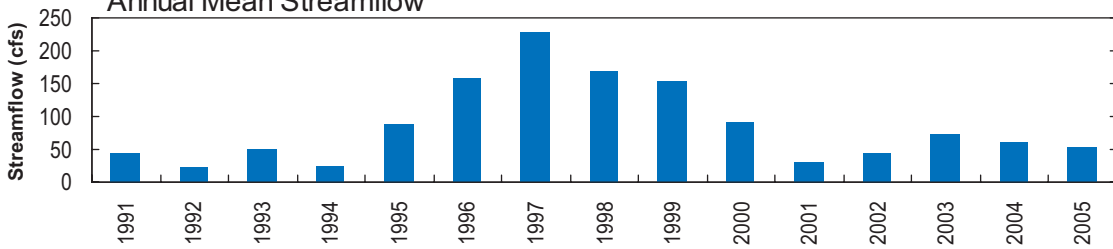


Monthly Statistics

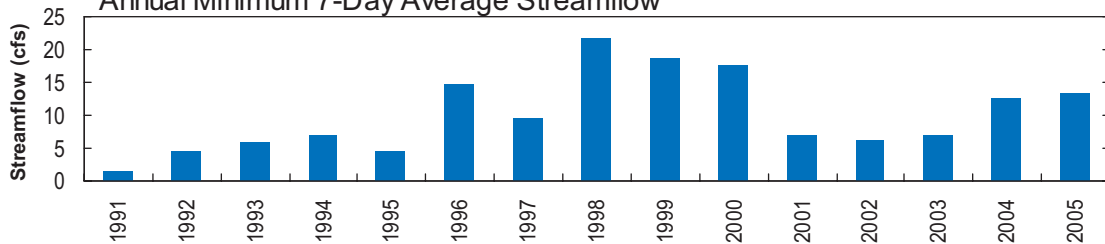
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1991 – 2005



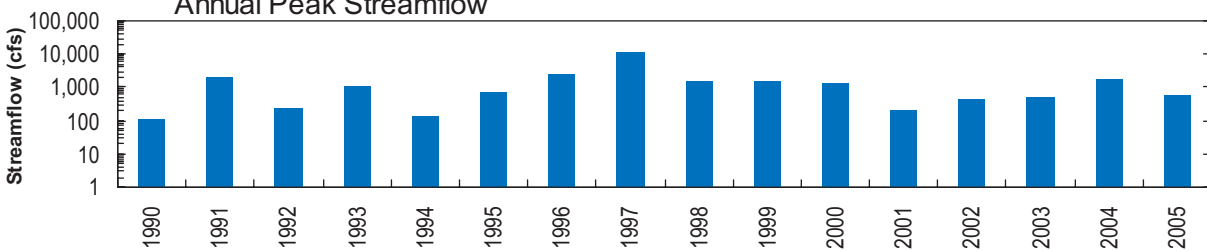
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ROGUE RIVER BASIN

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.--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.--82 years (water years 1921-81, 1985-2005), 113 ft³/s, 82,190 acre-ft/yr, unadjusted.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1,840 ft³/s Dec. 8, gage height, 6.45 ft; minimum discharge, 21 ft³/s Sept. 21, 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	43	43	74	61	45	49	123	99	33	38	27
2	33	72	41	76	59	44	59	123	82	36	33	29
3	34	153	39	66	57	43	68	108	85	38	27	30
4	35	56	39	60	57	43	69	106	73	34	36	36
5	30	45	40	56	58	42	58	299	73	33	37	37
6	30	41	87	55	57	42	56	550	94	40	39	31
7	48	38	224	59	65	42	56	319	115	34	40	32
8	65	37	1,090	73	57	41	64	523	106	33	39	30
9	78	e36	724	84	56	41	74	697	87	39	28	26
10	69	35	267	76	53	41	64	524	71	44	27	26
11	64	34	180	71	50	40	66	402	59	41	28	39
12	52	33	140	63	50	39	62	309	59	32	29	32
13	50	35	115	57	50	37	58	299	48	31	35	29
14	43	34	103	58	51	35	64	348	41	33	33	27
15	29	34	93	71	50	34	65	293	38	32	33	26
16	26	33	85	88	49	34	65	302	46	35	28	24
17	78	32	77	92	48	35	88	312	49	37	30	33
18	63	33	74	94	48	34	87	343	54	32	34	35
19	46	33	71	96	47	38	79	385	58	29	34	31
20	48	33	69	99	47	37	79	338	43	29	35	26
21	38	33	64	94	47	37	63	293	34	33	32	24
22	59	32	59	87	45	46	58	247	33	36	32	24
23	293	31	56	83	45	66	71	209	38	32	28	39
24	82	30	55	81	44	e50	81	176	37	33	29	39
25	64	82	53	79	44	e40	73	152	40	35	26	34
26	67	63	93	96	43	42	59	114	42	31	27	29
27	57	97	94	96	42	71	89	93	48	30	26	27
28	50	56	75	81	45	90	265	231	32	29	30	26
29	46	48	86	73	---	93	165	151	27	29	33	26
30	51	44	71	67	---	75	126	128	31	33	29	27
31	47	---	70	64	---	55	---	110	---	35	29	---
TOTAL	1,807	1,406	4,377	2,369	1,425	1,452	2,380	8,607	1,742	1,051	984	901
MEAN	58.3	46.9	141	76.4	50.9	46.8	79.3	278	58.1	33.9	31.7	30.0
MAX	293	153	1,090	99	65	93	265	697	115	44	40	39
MIN	26	30	39	55	42	34	49	93	27	29	26	24
AC-FT	3,580	2,790	8,680	4,700	2,830	2,880	4,720	17,070	3,460	2,080	1,950	1,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY)

MEAN	32.7	62.3	158	216	211	194	193	139	73.9	33.6	34.2	35.9
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)

ROGUE RIVER BASIN

14357500 BEAR CREEK AT MEDFORD, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1921 - 2005	
ANNUAL TOTAL	37,199		28,501		113	
ANNUAL MEAN	102		78.1		304	
HIGHEST ANNUAL MEAN					1974	
LOWEST ANNUAL MEAN					1931	
HIGHEST DAILY MEAN	2,630	Feb 17	1,090	Dec 8	10,900	Jan 1, 1997
LOWEST DAILY MEAN	22	Sep 28	24	Sep 16	0.20	Jul 30, 1922
ANNUAL SEVEN-DAY MINIMUM	25	Sep 23	28	Sep 16	0.20	Jul 23, 1924
ANNUAL RUNOFF (AC-FT)	73,780		56,530		82,190	
10 PERCENT EXCEEDS	205		123		259	
50 PERCENT EXCEEDS	62		48		52	
90 PERCENT EXCEEDS	31		30		12	

e Estimated



2005 Water Year
 ROGUE RIVER BASIN

14357500 BEAR CREEK AT MEDFORD, OR

Latitude: 42° 19' 27"
 Jackson County

Longitude: 122° 51' 56"
 Datum: 1343.27 feet

Hydrologic Unit Code: 17100308
 Drainage Area: 289 mi²

