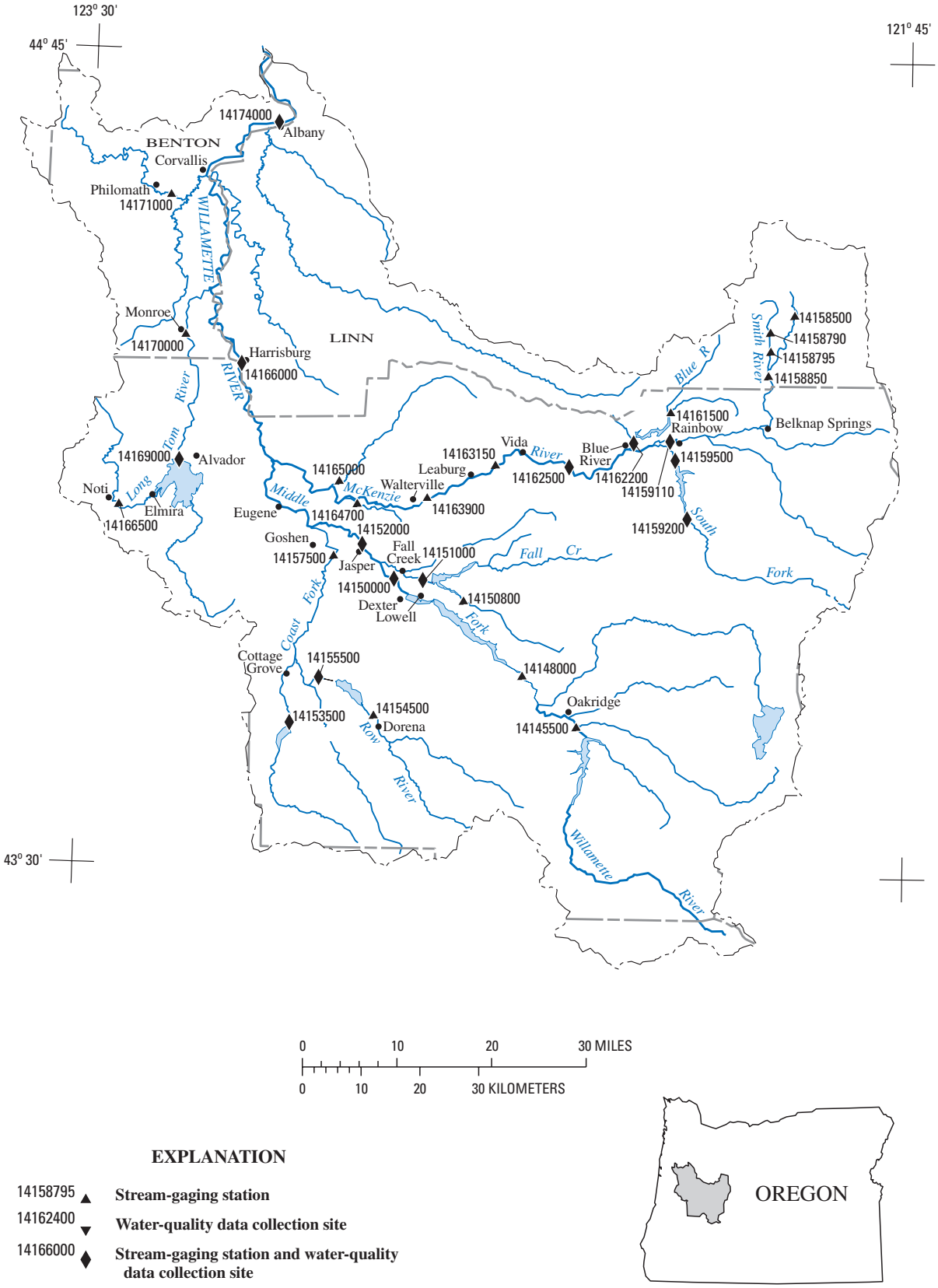


EXPLANATION

14158795 ▲ **Stream-gaging station**

14162400 ▼ **Water-quality data collection site**

14166000 ♦ **Stream-gaging station and water-quality data collection site**

Figure 21. Location of surface-water and water-quality stations in the Willamette River Basin upstream from the Luckiamute River.

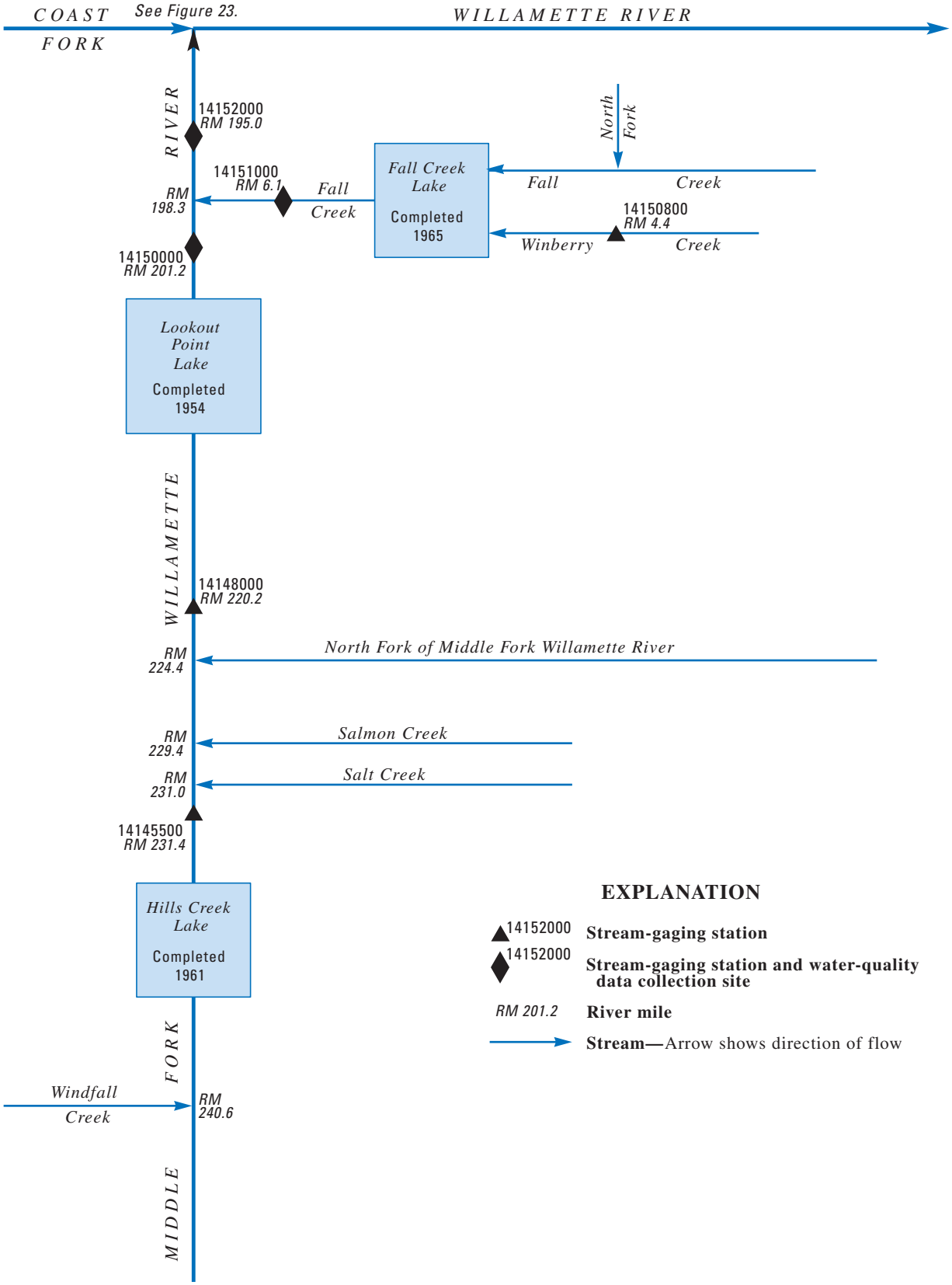


Figure 22. Schematic diagram showing gaging stations in the Middle Fork Willamette River Basin.

14145500 MIDDLE FORK WILLAMETTE RIVER ABOVE SALT CREEK, NEAR OAKRIDGE, OR

LOCATION.--Lat 43°43'16", long 122°26'12", in NW 1/4 NE 1/4 sec.27, T.21 S., R.3 E., Lane County, Hydrologic Unit 17090001, in Willamette National Forest, on right bank 90 ft upstream from Forest Service road FS-21, 0.4 mi upstream from Salt Creek, 1.1 mi downstream from Hills Creek Dam, 2.3 mi southeast of Oakridge and at mile 231.4.

DRAINAGE AREA.--392 mi^2.

PERIOD OF RECORD.--October 1913 to September 1914, September 1935 to current year. Monthly discharge only September 1935, published in WSP 1318.

REVISED RECORDS.--WSP 1248: 1914.

GAGE.--Water-stage recorder. Datum of gage is 1,208.01 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Oct. 3, 1913 to Sept. 30, 1914, nonrecording gage and Sept. 1, 1935 to Aug. 18, 1960, water-stage recorder at sites 400 ft and 1,000 ft downstream, respectively, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated since 1961 by Hills Creek Lake (station 14145100). No diversions upstream from station.

AVERAGE DISCHARGE.--71 years (water years 1914, 1936-2005), 1,138 ft^3/s, 39.42 in/yr, 824,500 acre-ft/yr, adjusted for storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,000 ft^3/s Dec. 28, 1945, gage height, 12.06 ft, site and datum then in use, from rating curve extended above 13,000 ft^3/s; minimum observed discharge, 0.70 ft^3/s Sept. 8-11, 13, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,550 ft^3/s Dec. 22, gage height, 5.02 ft; minimum discharge, 205 ft^3/s Mar. 9.

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	798	1,010	665	1,470	601	362	296	388	728	486	588	925
2	797	955	657	1,480	602	375	294	388	732	478	584	922
3	796	982	652	1,510	609	380	294	387	732	519	582	918
4	797	1,010	653	1,500	608	367	295	387	731	751	581	917
5	793	994	645	1,490	602	296	297	390	738	750	581	919
6	793	1,000	646	1,020	606	273	295	388	737	751	581	922
7	791	1,000	649	722	603	274	295	393	735	752	582	919
8	806	998	669	708	497	270	305	397	733	714	584	913
9	807	920	1,380	711	493	266	302	395	726	719	587	918
10	804	928	1,460	714	402	276	302	397	722	757	589	921
11	803	1,020	1,500	713	396	273	302	400	724	756	588	909
12	804	1,020	1,490	581	398	272	295	398	723	814	591	906
13	798	1,010	1,500	508	401	266	285	397	719	897	591	933
14	801	1,010	1,500	498	398	261	287	393	718	992	592	962
15	795	1,010	1,480	498	400	260	290	396	719	613	593	957
16	794	1,230	1,460	497	400	266	301	398	721	580	597	955
17	808	1,300	1,480	498	398	267	302	400	721	580	593	953
18	813	1,300	1,490	498	399	269	292	403	721	579	590	952
19	820	1,300	1,490	1,040	386	270	289	586	e722	582	593	949
20	820	1,300	1,480	619	384	266	287	592	e720	575	593	947
21	824	1,300	1,770	427	382	258	287	578	e714	578	593	946
22	822	1,130	2,510	415	383	262	287	581	713	575	585	944
23	821	1,040	2,510	414	380	276	491	577	733	576	582	942
24	822	1,040	2,490	424	379	306	492	577	553	578	586	940
25	826	1,300	2,510	546	382	306	518	576	551	578	585	961
26	1,050	1,300	2,490	615	380	305	510	576	545	455	604	e970
27	1,060	1,290	1,600	608	380	311	512	e578	541	452	598	979
28	1,230	1,050	1,510	605	376	304	510	e700	540	586	596	978
29	1,220	1,010	1,510	603	---	297	441	e720	529	586	602	977
30	1,210	692	1,510	599	---	285	383	e723	529	589	822	972
31	1,210	---	1,500	601	---	288	---	727	---	589	822	---
TOTAL	27,133	32,449	44,856	23,132	12,625	9,007	10,336	15,186	20,470	19,787	18,735	28,226
MEAN	875	1,082	1,447	746	451	291	345	490	682	638	604	941
MAX	1,230	1,300	2,510	1,510	609	380	518	727	738	992	822	979
MIN	791	692	645	414	376	258	285	387	529	452	581	906
AC-FT	53,820	64,360	88,970	45,880	25,040	17,870	20,500	30,120	40,600	39,250	37,160	55,990
MEAN†	464	498	1,587	775	507	804	1,425	1,685	731	367	290	309
CFSM†	1.18	1.27	4.05	1.98	1.29	2.05	3.64	4.30	1.86	0.94	0.74	0.79
IN.†	1.36	1.42	4.67	2.28	1.35	2.37	4.06	4.96	2.08	1.08	0.85	0.88
AC-FT†	28,520	29,660	97,570	47,680	28,140	49,470	84,800	103,600	43,500	22,550	17,860	18,390

CAL YR2004 TOTAL 385,101 MEAN 1,052 MAX 3,450 MIN 397 AC-FT 763,800 MEAN† 1,062 CFSM† 2.71 IN.† 36.80 AC-FT† 769,100
WTR YR2005 TOTAL 261,942 MEAN 718 MAX 2,510 MIN 258 AC-FT 519,600 MEAN† 790 CFSM† 2.02 IN.† 27.36 AC-FT† 571,800

† Adjusted for change in contents, in Hills Creek Lake. Data provided by U.S. Army Corps of Engineers.
e Estimated

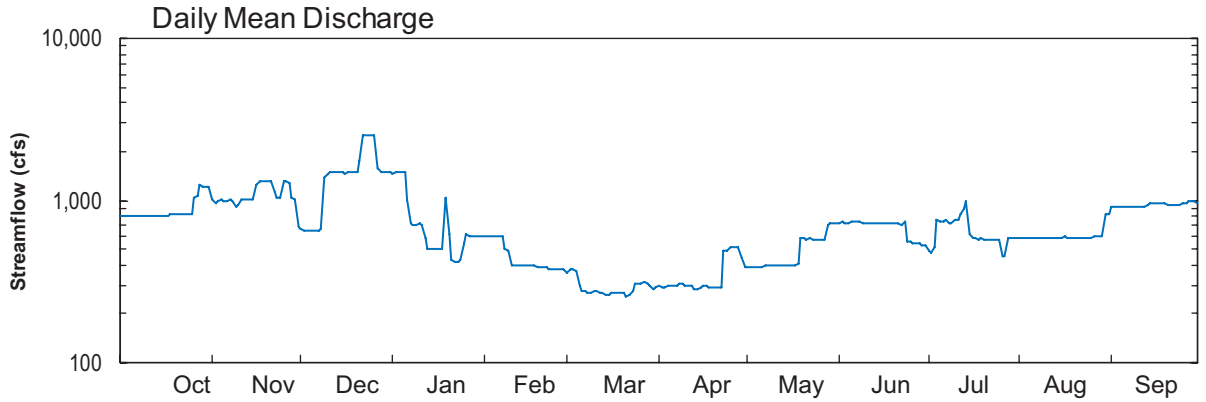
2005 Water Year

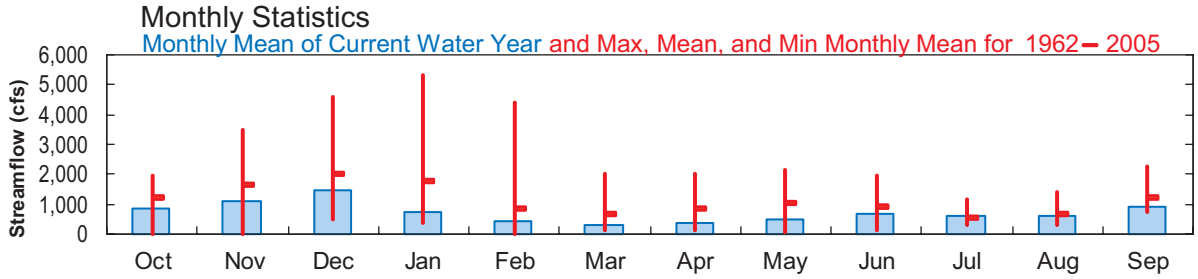
WILLAMETTE RIVER BASIN

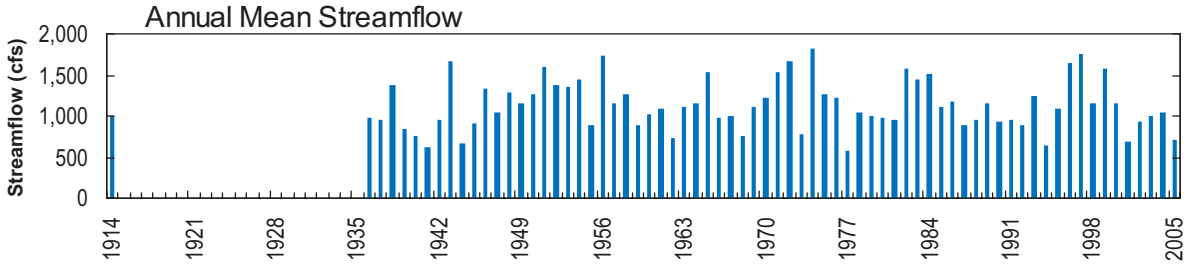
14145500 MF WILLAMETTE RIVER ABV SALT CRK, NEAR OAKRIDGE, OR

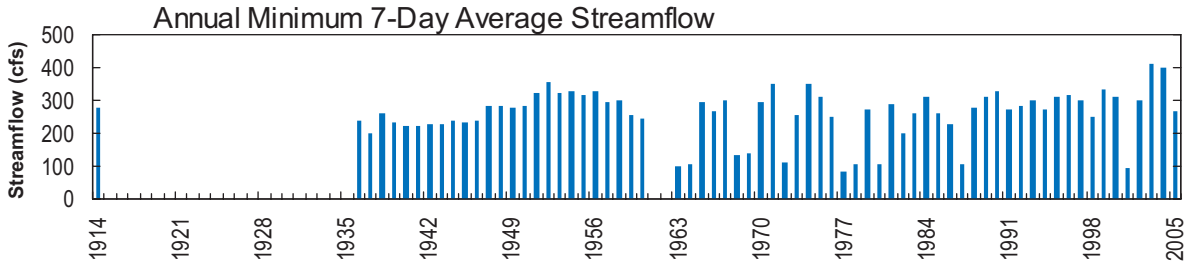
Latitude: 43° 43 ' 16" Longitude: 122° 26 ' 12" Hydrologic Unit Code: 17090001

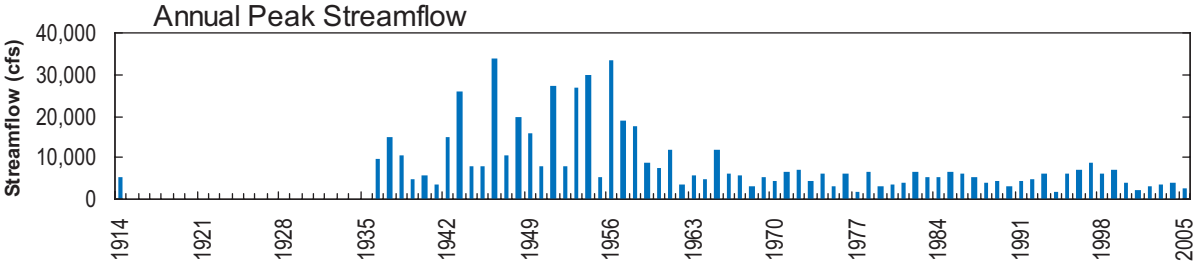
Lane County Datum: 1208.01 feet Drainage Area: 392 mi²











14148000 MIDDLE FORK WILLAMETTE RIVER BELOW NORTH FORK, NEAR OAKRIDGE, OR

LOCATION.--Lat 43°48'05", long 122°33'35", in SW 1/4 sec.27, T.20 S., R.2 E., Lane County, Hydrologic Unit 17090001, on left bank 0.5 mi downstream from Whitehead Creek, 4.2 mi downstream from North Fork of Middle Fork Willamette River, 7.0 mi northwest of Oakridge, and at mile 220.2.

DRAINAGE AREA.--924 mi^2.

PERIOD OF RECORD.--March 1911 to September 1912, July 1923 to current year. Monthly discharge only for some periods, published in WSP 1318. Published as "near Hazeldell" 1911-12 and as "at Eula" 1923-50.

REVISED RECORDS.--WSP 694: 1925-28. WSP 814: Drainage area at Eula. WSP 1248: 1924, 1925(M), 1926-28, 1929(M), 1930, 1933, 1946(M). WSP 1398: 1927(M). WSP 1638: 1936(M).

GAGE.--Water-stage recorder. Datum of gage is 934.76 ft above NGVD of 1929. Mar. 22, 1911 to Sept. 30, 1912, nonrecording gage at site 4.0 mi upstream, just downstream from North Fork at different datum. July 1, 1923 to Aug, 11, 1935, nonrecording gage and Aug. 12, 1935 to Sept. 30, 1950, water-stage recorder at site 4.0 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1961 by Hills Creek Lake (station 14145100); slight regulation at times by logponds upstream from station. No diversion upstream from station. Continuous water-quality records for the period September 1950 to September 1987 have been collected at this location.

AVERAGE DISCHARGE.--39 years (water years 1912, 1924-1961), 2,726 ft^3/s, 1,975,000 acre-ft/yr. 44 years (water years 1962-2005), 2,821 ft^3/s, 2,044,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,800 ft^3/s Dec. 28, 1945, gage height, 18.8 ft, from floodmark, site and datum then in use, from rating curve extended above 39,000 ft^3/s; minimum discharge, 322 ft^3/s Aug. 30, 1961, caused by closing outlet gates at Hills Creek Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1861 and prior to March 1911, 17.0 ft in February 1890 at site used 1923-50, from information by local resident, discharge, about 55,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,100 ft^3/s Dec. 9, gage height, 6.74 ft; minimum discharge, 753 ft^3/s July 26.

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	1,260	2,100	1,440	2,390	1,470	1,060	2,990	2,330	2,430	1,270	1,000	1,180
2	1,250	2,070	1,430	2,350	1,440	1,050	2,930	2,420	2,490	1,230	997	1,200
3	1,240	2,770	1,390	2,340	1,410	1,040	2,770	2,250	2,370	1,220	982	1,200
4	1,230	2,520	1,370	2,290	1,410	1,000	2,850	2,430	2,250	1,470	969	1,200
5	1,220	2,300	1,350	2,250	1,450	925	2,750	2,500	2,240	1,460	958	1,200
6	1,220	2,140	1,430	1,840	1,410	878	2,660	2,630	2,410	1,450	954	1,200
7	1,230	2,030	1,980	1,520	1,420	866	2,980	2,730	2,580	1,440	949	1,200
8	1,240	1,940	4,880	1,500	1,290	855	3,210	2,850	2,680	1,390	944	1,200
9	1,400	1,790	14,100	1,500	1,250	839	3,240	3,310	2,520	1,420	939	1,210
10	1,330	1,740	11,600	1,470	1,130	845	3,010	4,100	2,370	1,470	935	1,260
11	1,290	1,800	7,960	1,460	1,100	838	3,210	4,340	2,320	1,440	928	1,260
12	1,270	1,760	6,500	1,330	1,100	835	3,190	3,800	2,290	1,440	927	1,220
13	1,250	1,740	5,300	1,220	1,310	822	2,870	3,340	2,180	1,530	923	1,240
14	1,230	1,710	4,950	1,190	1,260	807	2,600	3,100	2,090	1,610	917	1,260
15	1,230	1,680	4,470	1,230	1,210	795	2,370	3,000	2,000	1,250	912	1,260
16	1,220	1,870	3,970	1,410	1,180	787	2,340	3,390	1,960	1,150	913	1,260
17	1,360	1,940	3,650	1,550	1,140	815	3,020	3,760	2,090	1,140	910	1,280
18	1,730	1,960	3,410	2,610	1,130	818	3,040	3,990	2,020	1,120	905	1,270
19	1,630	1,950	3,230	3,260	1,110	870	2,890	4,310	1,990	1,110	902	1,260
20	1,520	1,920	3,070	2,630	1,300	901	2,720	3,980	1,950	1,090	893	1,250
21	1,480	1,900	3,120	2,140	1,350	903	2,580	3,730	1,860	1,090	891	1,250
22	1,630	1,720	3,820	1,900	1,300	911	2,530	3,450	1,800	1,080	883	1,240
23	2,910	1,650	3,720	1,770	1,240	970	2,900	3,130	1,770	1,070	876	1,240
24	2,590	1,610	3,620	1,670	1,200	1,110	3,110	2,870	1,540	1,060	875	1,250
25	2,170	2,120	3,570	1,700	1,170	1,150	3,080	2,630	1,480	1,050	867	1,260
26	2,170	2,270	3,570	1,770	1,140	1,210	2,910	2,430	1,440	925	884	1,250
27	2,050	2,150	2,710	1,780	1,110	3,010	2,870	2,290	1,410	856	872	1,270
28	2,110	1,890	2,480	1,690	1,090	4,570	2,900	2,350	1,440	1,020	866	1,270
29	2,060	1,780	2,530	1,620	---	4,780	2,660	2,550	1,390	1,020	871	1,270
30	2,150	1,470	2,520	1,560	---	4,040	2,390	2,380	1,340	1,010	1,080	1,270
31	2,380	---	2,450	1,520	---	3,170	---	2,250	---	1,010	1,100	---
TOTAL	50,050	58,290	121,590	56,460	35,120	43,470	85,570	94,620	60,700	37,891	28,822	37,180
MEAN	1,615	1,943	3,922	1,821	1,254	1,402	2,852	3,052	2,023	1,222	930	1,239
MAX	2,910	2,770	14,100	3,260	1,470	4,780	3,240	4,340	2,680	1,610	1,100	1,280
MIN	1,220	1,470	1,350	1,190	1,090	787	2,340	2,250	1,340	856	866	1,180
AC-FT	99,270	115,600	241,200	112,000	69,660	86,220	169,700	187,700	120,400	75,160	57,170	73,750

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

MEAN	1,848	3,313	4,844	4,566	3,317	2,984	3,209	3,303	2,377	1,270	1,175	1,668
MAX	3,035	7,641	13,540	10,350	8,460	7,802	5,606	5,550	4,969	1,990	1,753	2,639
(WY)	(1998)	(1997)	(1965)	(1997)	(1996)	(1972)	(1993)	(1996)	(1974)	(1999)	(1982)	(1966)
MIN	625	1,336	1,073	874	710	1,167	1,464	1,113	811	703	629	1,102
(WY)	(1962)	(2004)	(1977)	(1977)	(1977)	(1992)	(1968)	(1992)	(1992)	(1994)	(1994)	(2001)

14148000 MIDDLE FORK WILLAMETTE RIVER BELOW NORTH FORK, NEAR OAKRIDGE, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	1,008,440		709,763			
ANNUAL MEAN	2,755		1,945		2,821	
HIGHEST ANNUAL MEAN					4,710	1997
LOWEST ANNUAL MEAN					1,416	1977
HIGHEST DAILY MEAN	14,100	Dec 9	14,100	Dec 9	43,500	Dec 23, 1964
LOWEST DAILY MEAN	1,220	Oct 5	787	Mar 16	334	Oct 5, 1961
ANNUAL SEVEN-DAY MINIMUM	1,230	Oct 2	811	Mar 12	349	Oct 1, 1961
ANNUAL RUNOFF (AC-FT)	2,000,000		1,408,000		2,044,000	
10 PERCENT EXCEEDS	4,640		3,200		5,350	
50 PERCENT EXCEEDS	2,360		1,500		2,080	
90 PERCENT EXCEEDS	1,370		925		1,010	

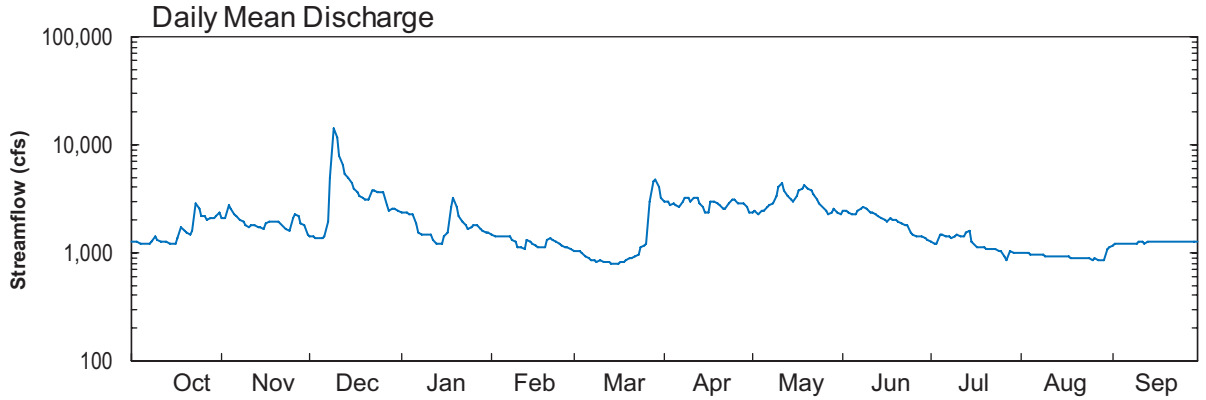
2005 Water Year

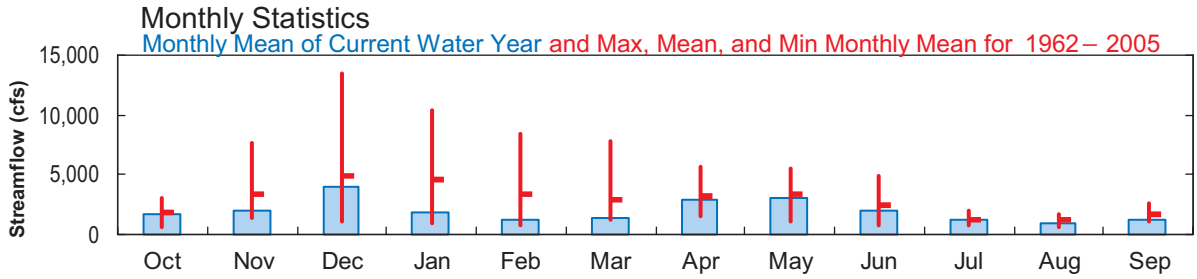
WILLAMETTE RIVER BASIN

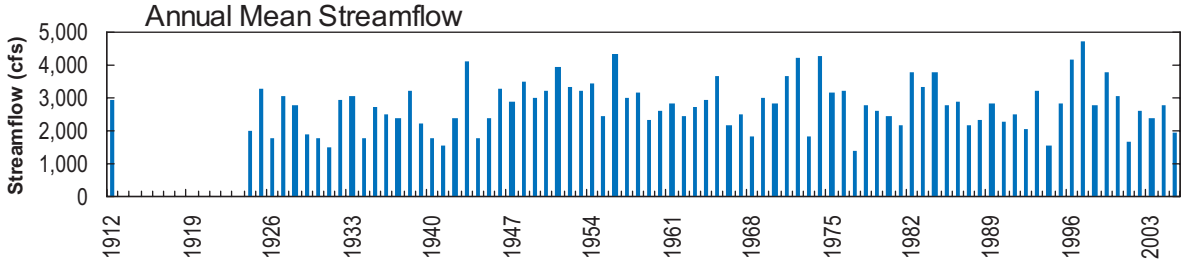
14148000 MF WILLAMETTE RIVER BLW N FORK, NR OAKRIDGE, OR

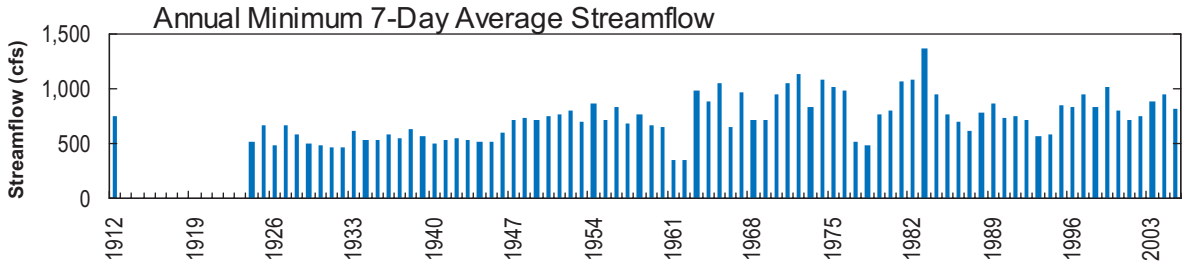
Latitude: 43° 48 ' 05" Longitude: 122° 33 ' 35" Hydrologic Unit Code: 17090001

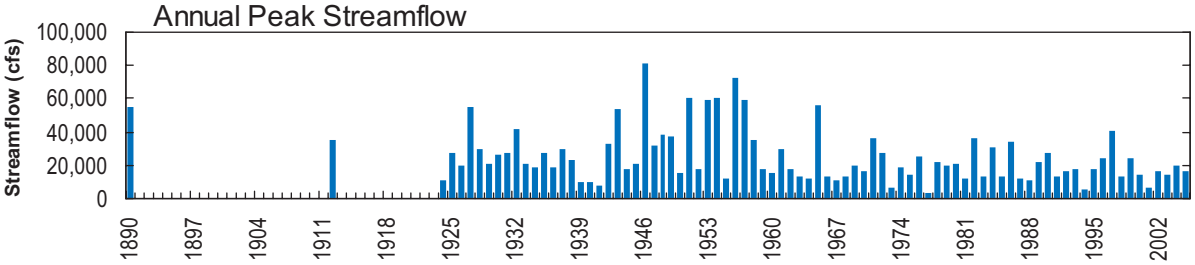
Lane County Datum: 934.76 feet Drainage Area: 924 mi²











14150000 MIDDLE FORK WILLAMETTE RIVER NEAR DEXTER, OR

LOCATION.--Lat 43°56'45", long 122°50'10", in SE ¼ NW ¼ sec.5, T.19 S., R.1 W., Lane County, Hydrologic Unit 17090001, on right bank 0.6 mi upstream from Lost Creek, 2.0 mi northwest of Dexter, 2.6 mi downstream from Dexter Dam, and at mile 201.2.

DRAINAGE AREA.--1,001 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1946 to current year. Prior to October 1954, published as "at Lowell".

REVISED RECORDS.--WSP 1638: 1948(P).

GAGE.--Water-stage recorder. Datum of gage is 592.30 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 23, 1950, nonrecording gage and Aug. 23, 1950 to Sept. 30, 1954, at site 4.0 mi upstream at different datum, and June 9, 1955 to Feb. 18, 1977, at datum 3.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1953 by Lookout Point Lake (station 14149000), since 1955 by Dexter Lake (re-regulating), and since 1961 by Hills Creek Lake (station 14145100).

AVERAGE DISCHARGE.--6 years (water years 1947-1952), 3,572 ft^3/s, 2,588,000 acre-ft/yr. 53 years (water years 1953-2005), 3,022 ft^3/s, 2,189,000 acre-ft/yr, regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,600 ft^3/s Jan. 18, 1953, gage height, 12.46 ft, site and datum then in use, from rating curve extended above 33,000 ft^3/s; minimum daily discharge, 100 ft^3/s Nov. 25, 1960.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 13.9 ft Dec. 28, 1945, former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,460 ft^3/s Dec. 13, gage height, 7.20 ft; minimum discharge, 893 ft^3/s Mar. 18.

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	1,950	3,060	1,300	3,520	1,380	1,080	1,030	3,180	1,880	1,280	2,320	2,140
2	1,970	2,850	1,310	3,590	1,380	1,100	1,030	3,150	1,880	1,280	2,330	2,140
3	1,980	2,890	1,270	3,260	1,340	1,050	1,030	2,720	1,880	1,290	2,320	2,130
4	1,960	2,970	1,260	2,420	1,210	1,080	984	2,650	1,870	1,630	2,290	2,140
5	1,950	3,080	1,290	1,990	1,170	1,040	987	2,700	1,870	1,670	2,270	2,150
6	1,950	3,610	1,320	1,720	1,210	990	1,020	2,700	1,850	1,660	2,280	2,190
7	1,950	3,460	1,580	1,380	1,210	976	991	2,370	2,240	1,650	2,260	2,330
8	1,970	3,420	1,620	1,340	1,170	964	975	2,290	1,890	1,650	2,260	2,320
9	1,970	3,430	1,790	1,330	1,160	971	1,030	2,290	1,390	1,630	2,270	2,300
10	1,970	3,460	2,320	1,350	1,150	981	1,030	1,820	1,340	1,620	2,290	2,310
11	1,980	3,480	4,080	1,380	1,130	967	1,020	1,280	1,460	1,620	2,270	2,330
12	1,950	3,460	5,580	1,380	1,100	955	999	1,210	1,480	1,660	2,260	2,300
13	1,920	3,430	7,300	1,360	1,090	962	993	1,170	1,190	1,810	2,260	2,270
14	1,920	3,440	7,350	1,340	1,080	963	993	1,180	1,170	1,830	2,270	2,300
15	1,940	3,430	7,350	1,350	1,130	980	995	1,190	1,220	2,110	2,280	2,290
16	1,930	3,390	6,560	1,340	1,140	1,020	1,040	1,200	1,200	2,110	2,290	2,320
17	1,920	3,400	5,780	1,330	1,120	1,010	1,050	1,170	1,700	2,110	2,310	2,320
18	1,960	2,700	4,770	1,350	1,150	955	1,060	1,180	1,740	2,060	2,300	2,300
19	1,990	2,680	4,310	2,000	1,100	996	1,030	1,200	1,750	2,070	2,290	2,300
20	1,950	2,650	4,300	1,710	1,080	998	1,020	1,170	1,740	2,080	2,580	2,290
21	1,980	2,670	4,310	1,350	1,110	1,010	994	1,210	1,700	2,080	2,570	2,290
22	1,980	2,700	4,300	1,330	1,080	998	991	1,210	1,730	2,070	2,580	2,270
23	1,990	2,670	4,300	1,360	1,090	986	1,490	1,160	1,630	2,070	2,670	2,240
24	2,020	2,640	4,300	1,360	1,080	1,060	1,950	1,170	1,320	2,080	2,690	2,230
25	2,430	2,700	4,300	1,320	1,070	1,040	1,680	1,200	1,310	2,090	2,680	2,270
26	2,510	2,700	4,300	1,290	1,080	993	1,870	1,220	1,360	2,080	2,680	2,320
27	2,840	2,310	4,300	1,350	1,090	1,040	2,370	1,240	1,390	2,240	2,690	2,280
28	3,220	2,270	4,320	1,330	1,090	1,020	2,460	1,660	1,400	2,340	2,710	2,290
29	3,270	2,230	4,320	1,350	---	1,010	2,430	1,850	1,400	2,340	2,680	2,280
30	3,200	1,680	3,570	1,350	---	1,010	2,940	1,870	1,400	2,340	2,520	2,290
31	3,110	---	3,550	1,370	---	1,000	---	1,870	---	2,310	2,260	---
TOTAL	67,630	88,860	118,310	51,200	32,190	31,205	39,482	53,480	47,380	58,860	74,730	67,930
MEAN	2,182	2,962	3,816	1,652	1,150	1,007	1,316	1,725	1,579	1,899	2,411	2,264
MAX	3,270	3,610	7,350	3,590	1,380	1,100	2,940	3,180	2,240	2,340	2,710	2,330
MIN	1,920	1,680	1,260	1,290	1,070	955	975	1,160	1,170	1,280	2,260	2,130
AC-FT	134,100	176,300	234,700	101,600	63,850	61,900	78,310	106,100	93,980	116,700	148,200	134,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2005, BY WATER YEAR (WY)

MEAN	2,792	4,341	5,256	4,897	2,827	2,286	2,305	2,897	2,442	1,727	1,998	2,457
MAX	5,266	8,779	12,310	13,510	7,724	8,084	4,854	5,464	5,072	3,145	3,171	3,932
(WY)	(1963)	(1985)	(1997)	(1965)	(1953)	(1957)	(1993)	(1996)	(1984)	(1999)	(2002)	(1972)
MIN	808	874	981	1,050	668	525	437	526	816	1,053	1,083	892
(WY)	(1953)	(1953)	(1955)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1957)	(1966)	(1953)

14150000 MIDDLE FORK WILLAMETTE RIVER NEAR DEXTER, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1953 - 2005	
ANNUAL TOTAL	1,037,810		731,257			
ANNUAL MEAN	2,836		2,003		3,022	
HIGHEST ANNUAL MEAN					4,660	1997
LOWEST ANNUAL MEAN					1,392	1977
HIGHEST DAILY MEAN	7,350	Dec 14	7,350	Dec 14	43,200	Jan 18, 1953
LOWEST DAILY MEAN	1,130	Feb 18	955	Mar 12	100	Nov 25, 1960
ANNUAL SEVEN-DAY MINIMUM	1,160	Feb 22	966	Mar 8	344	May 4, 1977
ANNUAL RUNOFF (AC-FT)	2,058,000		1,450,000		2,189,000	
10 PERCENT EXCEEDS	4,830		3,260		5,940	
50 PERCENT EXCEEDS	2,380		1,880		2,240	
90 PERCENT EXCEEDS	1,250		1,030		1,160	

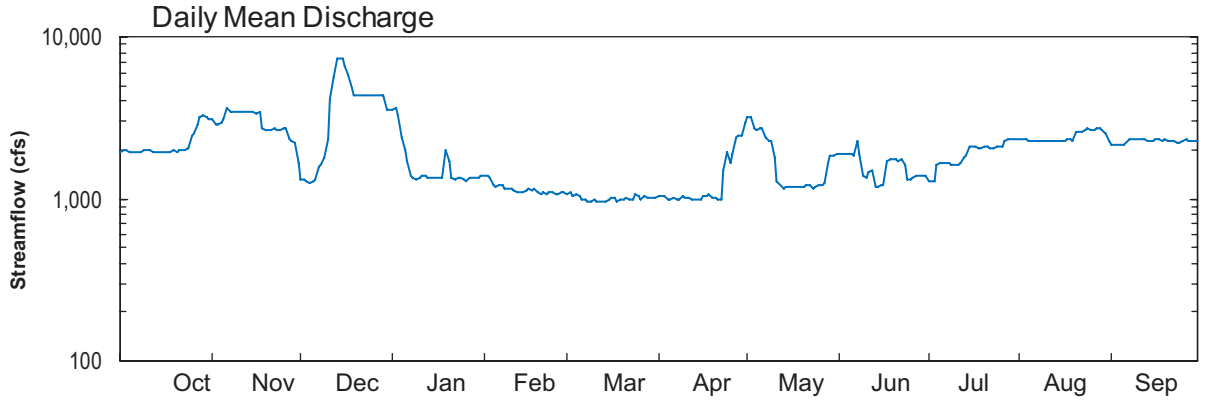
2005 Water Year

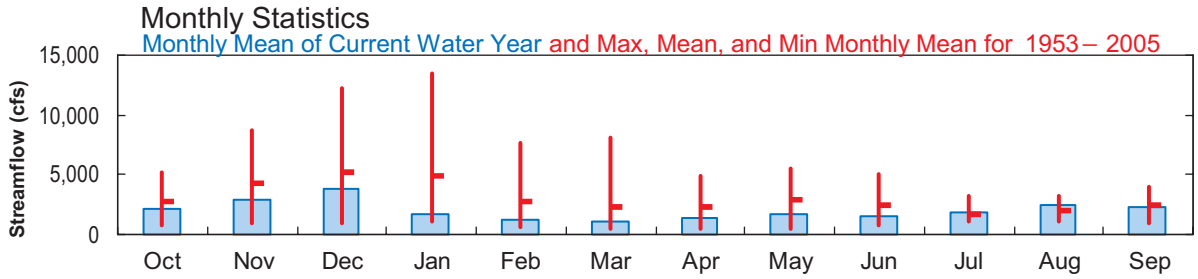
WILLAMETTE RIVER BASIN

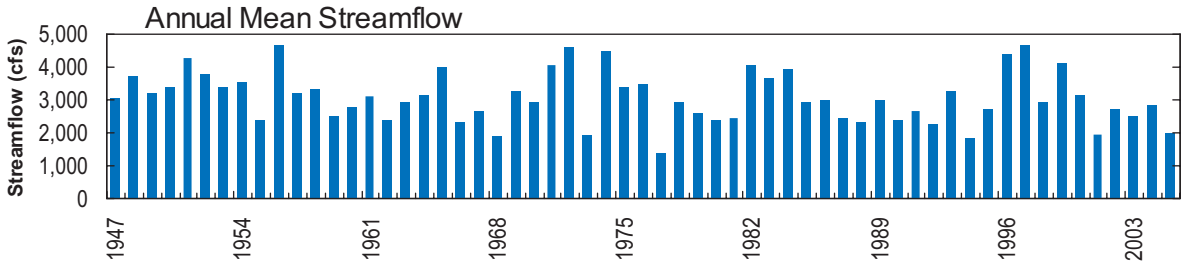
14150000 MIDDLE FORK WILLAMETTE RIVER NEAR DEXTER, OR

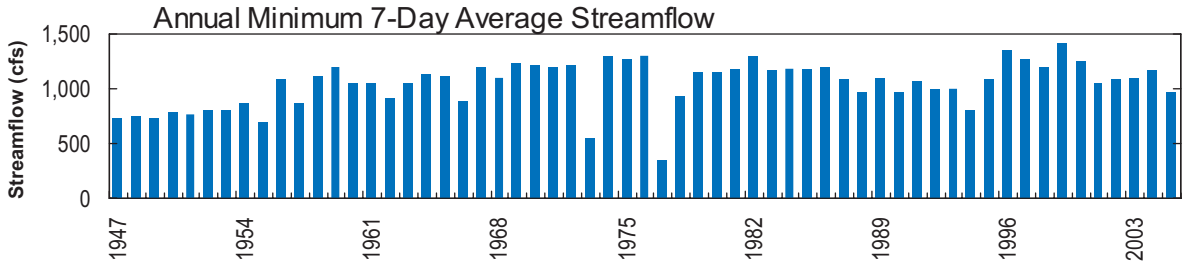
Latitude: 43° 56 ' 45" Longitude: 122° 50 ' 10" Hydrologic Unit Code: 17090001

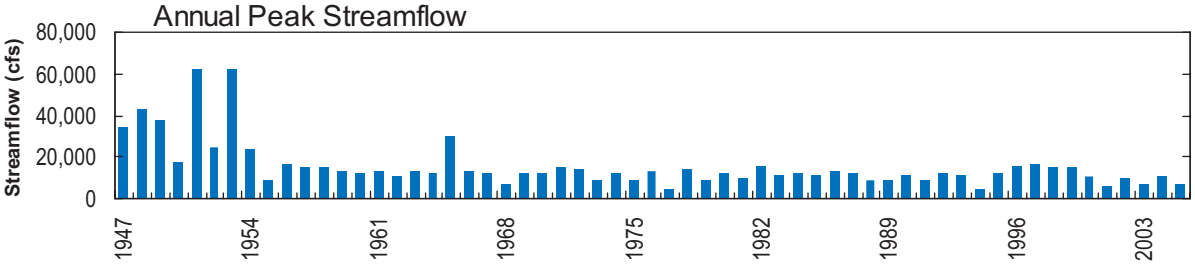
Lane County Datum: 592.30 feet Drainage Area: 1001 mi²











14150000 MIDDLE FORK WILLAMETTE RIVER NEAR DEXTER, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 1955 to September 1997, August 2001 to current year.

INSTRUMENTATION.--Water-temperature recorder.

REMARKS.--Records fair except those for the period Oct. 1 to Nov. 29, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 20.5°C several days in Sept. 1992, Aug. 28, Sept. 15, 16, 2001; minimum recorded, 2.5°C Feb. 6-8, 1989, but may have been lower during period of missing record Feb. 9 to Mar. 30, 1989.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 18.6°C Oct. 2; minimum, 5.3°C Jan. 10, 14, 15.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.5	17.1	17.6	13.8	13.6	13.7	9.9	9.4	9.6	6.8	6.5	6.6
2	18.6	17.2	17.6	13.6	13.4	13.5	9.5	9.1	9.3	6.6	6.4	6.5
3	18.5	17.2	17.6	13.6	13.0	13.3	9.6	9.0	9.3	6.6	6.3	6.5
4	18.5	17.2	17.6	13.4	12.8	13.1	9.4	8.8	9.1	6.6	6.0	6.3
5	18.4	17.1	17.6	13.2	12.6	12.8	9.4	8.8	9.0	6.2	5.8	6.0
6	18.1	17.4	17.6	13.0	12.4	12.6	9.0	8.6	8.8	6.2	5.8	6.0
7	18.5	17.2	17.6	12.8	12.3	12.5	9.0	8.5	8.7	6.1	5.7	5.9
8	18.0	17.1	17.4	12.8	12.3	12.5	8.7	8.6	8.6	6.0	5.6	5.7
9	17.9	16.8	17.2	12.6	12.3	12.4	9.0	8.6	8.8	6.2	5.4	5.7
10	17.7	16.6	16.9	12.4	12.2	12.3	9.0	8.7	8.9	6.1	5.3	5.6
11	17.7	16.5	16.8	12.5	12.1	12.3	9.0	8.7	8.9	6.1	5.4	5.6
12	17.6	16.4	16.8	12.5	12.0	12.2	8.8	8.4	8.7	6.1	5.4	5.7
13	17.6	16.3	16.7	12.3	12.0	12.1	8.5	8.4	8.4	6.1	5.4	5.7
14	17.6	16.2	16.7	12.2	11.8	12.0	8.7	8.4	8.5	5.9	5.3	5.6
15	17.3	16.3	16.7	11.9	11.7	11.8	8.5	8.2	8.4	5.6	5.3	5.5
16	17.1	16.4	16.7	12.0	11.7	11.8	8.4	8.1	8.2	6.2	5.4	5.6
17	16.6	16.2	16.4	12.0	11.5	11.7	8.2	8.0	8.1	6.0	5.5	5.8
18	16.2	15.8	16.1	12.0	11.5	11.7	8.1	7.9	8.0	6.9	5.9	6.2
19	16.3	15.6	15.8	11.7	11.2	11.4	8.0	7.8	7.9	6.8	6.2	6.4
20	16.1	15.5	15.7	11.4	11.0	11.2	7.9	7.6	7.8	7.1	6.3	6.6
21	16.0	15.4	15.6	11.1	10.6	10.9	7.8	7.5	7.6	7.3	6.2	6.7
22	15.6	15.4	15.5	11.0	10.5	10.7	7.8	7.5	7.6	6.9	6.3	6.6
23	15.6	15.0	15.3	10.9	10.5	10.7	7.7	7.4	7.5	6.9	6.3	6.6
24	15.8	14.8	15.1	10.8	10.6	10.7	7.5	7.2	7.4	7.2	6.1	6.5
25	14.9	14.6	14.7	10.8	10.5	10.6	7.4	7.1	7.2	6.7	6.2	6.4
26	14.8	14.2	14.5	10.6	10.4	10.5	7.3	7.0	7.1	6.8	6.4	6.5
27	14.5	14.2	14.3	10.5	10.0	10.3	7.3	7.0	7.1	7.2	6.4	6.7
28	14.4	14.2	14.3	10.3	9.8	10.0	7.1	6.9	7.0	7.2	6.3	6.7
29	14.5	14.1	14.2	10.1	9.6	9.8	7.0	6.8	6.9	7.2	6.2	6.7
30	14.4	13.9	14.1	9.9	9.6	9.7	7.0	6.6	6.8	7.4	6.1	6.5
31	14.3	13.8	14.0	---	---	---	6.9	6.5	6.7	7.3	6.2	6.6
MONTH	18.6	13.8	16.2	13.8	9.6	11.7	9.9	6.5	8.1	7.4	5.3	6.2

14150000 MIDDLE FORK WILLAMETTE RIVER NEAR DEXTER, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	6.0	6.4	8.8	7.3	7.9	9.9	9.2	9.4	11.4	10.5	10.7
2	7.2	5.8	6.3	8.8	7.4	7.9	10.3	9.1	9.5	11.1	10.1	10.6
3	7.0	5.8	6.2	9.4	7.2	8.0	9.8	9.1	9.4	11.5	9.9	10.5
4	6.6	5.9	6.2	9.0	7.7	8.1	10.5	9.1	9.5	11.3	9.8	10.6
5	7.1	5.9	6.3	9.3	7.4	8.1	10.5	9.1	9.6	10.6	10.2	10.4
6	6.4	5.9	6.2	10.2	7.5	8.4	11.2	9.1	9.9	10.5	10.1	10.3
7	7.3	6.0	6.4	10.2	7.7	8.6	10.1	9.3	9.6	11.2	10.0	10.4
8	6.9	5.9	6.2	10.7	8.0	8.9	10.9	9.3	9.9	11.4	10.1	10.6
9	6.8	6.0	6.2	10.3	8.1	9.0	10.9	9.3	10	11.0	9.9	10.3
10	7.1	5.7	6.2	10.5	8.3	9.2	11.0	9.1	9.9	10.8	10.0	10.4
11	7.3	5.6	6.2	10.8	8.4	9.2	11.5	9.6	10.2	11.1	9.8	10.2
12	6.5	5.8	6.2	10.8	8.5	9.3	11.1	9.5	10.1	12.1	9.7	10.6
13	7.1	5.9	6.3	10.5	8.2	8.9	11.0	9.3	10.1	11.2	10.0	10.5
14	7.2	5.8	6.2	10.9	8.4	9.3	11.9	9.5	10.3	12.3	10.1	10.8
15	7.2	5.5	6.1	11.2	8.4	9.5	11.1	9.4	10.2	10.9	10.2	10.5
16	7.4	5.5	6.2	9.9	9.0	9.4	10.7	9.8	10.3	11.4	10.1	10.6
17	7.2	5.6	6.2	10.0	9.1	9.5	10.9	9.6	10.1	11.1	10.1	10.5
18	7.3	5.6	6.2	10.0	9.0	9.4	11.3	9.5	10.1	12.8	10.3	11.3
19	6.9	6.0	6.4	10.5	9.1	9.7	11.8	9.3	10.2	11.8	10.6	11.1
20	7.6	6.3	6.7	9.9	9.2	9.6	12.2	9.5	10.5	11.9	10.8	11.2
21	7.8	6.2	6.7	10.2	9.1	9.5	12.3	9.7	10.6	12.0	10.5	11.2
22	8.0	6.1	6.7	9.7	8.9	9.2	12.7	10.0	11.0	13.0	10.9	11.6
23	8.2	6.2	6.9	10.0	8.9	9.3	10.9	10.5	10.7	13.6	10.7	11.8
24	8.3	6.3	7.0	9.8	8.9	9.2	11.6	10.4	10.9	13.8	11.0	12.1
25	8.6	6.7	7.4	10.0	8.8	9.3	11.6	10.1	10.7	14.2	11.3	12.5
26	8.9	7.0	7.6	9.6	9.2	9.4	12.0	10.0	10.8	14.6	11.2	12.6
27	9.0	7.0	7.8	9.5	9.0	9.3	11.7	10.4	10.9	14.5	11.5	12.6
28	8.5	7.5	7.9	9.5	8.9	9.1	11.8	10.3	10.9	13.2	11.7	12.2
29	---	---	---	10.3	8.8	9.3	11.2	10.1	10.7	13.4	11.9	12.5
30	---	---	---	10.2	8.8	9.4	11.5	10.2	10.8	13.4	12.0	12.5
31	---	---	---	11.2	8.9	9.8	---	---	---	12.8	11.7	12.1
MONTH	9.0	5.5	6.5	11.2	7.2	9.1	12.7	9.1	10.2	14.6	9.7	11.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.0	11.5	12.1	14.7	12.2	13.0	14.4	13.2	13.7	16.8	15.2	15.8
2	13.1	11.4	12.0	14.6	12.2	13.0	14.9	13.2	13.9	16.8	15.4	15.9
3	13.4	11.6	12.3	14.8	12.1	13.3	15.0	13.3	14.0	16.5	15.4	15.8
4	13.5	11.5	12.2	14.9	12.4	13.3	15.0	13.3	13.9	16.7	15.4	15.8
5	12.8	11.5	12.1	15.0	12.4	13.5	14.9	13.3	13.9	16.9	15.4	16.0
6	12.9	11.4	12.0	13.9	12.8	13.2	15.0	13.2	13.9	17.0	15.6	16.1
7	12.2	11.3	11.7	14.7	12.8	13.5	15.0	13.4	14.0	17.0	15.6	16.1
8	13.6	11.1	11.9	14.6	12.8	13.4	15.2	13.5	14.2	17.1	15.7	16.2
9	13.9	11.2	12.3	14.3	13.2	13.6	15.6	13.5	14.3	17.1	15.7	16.2
10	13.2	11.4	12.1	14.3	13.2	13.5	15.3	13.5	14.3	16.8	15.8	16.3
11	12.6	11.5	11.8	14.9	13.0	13.7	15.6	13.9	14.5	17.0	15.6	16.2
12	13.7	11.3	12.2	14.8	13.0	13.6	15.7	14.0	14.7	17.0	15.5	16.0
13	13.3	11.4	12.1	15.0	12.9	13.7	15.9	14.2	14.8	16.9	15.5	16.0
14	12.7	11.3	11.8	15.2	12.9	13.9	15.9	14.2	14.9	17.1	15.6	16.1
15	13.9	11.2	12.2	15.2	13.1	13.9	16.0	14.4	15.0	16.9	15.8	16.2
16	12.6	11.4	11.8	15.1	13.2	13.8	16.0	14.4	15.1	16.8	15.8	16.1
17	13.6	11.6	12.4	15.1	13.0	13.8	16.1	14.6	15.1	16.9	15.7	16.2
18	13.9	12.0	12.6	15.0	12.9	13.7	16.0	14.7	15.2	17.0	15.5	16.1
19	13.7	11.8	12.5	15.0	12.9	13.7	16.2	14.6	15.2	17.0	15.6	16.1
20	14.6	11.8	12.8	15.1	12.9	13.8	16.0	14.8	15.2	17.0	15.7	16.1
21	14.2	11.8	12.6	15.0	13.1	13.8	15.9	14.6	15.1	17.0	15.7	16.1
22	13.8	12.1	12.6	14.8	13.2	13.7	15.7	14.7	15.1	17.0	15.7	16.1
23	14.4	12.0	12.8	15.1	13.0	13.7	16.0	14.8	15.2	16.9	15.6	16.1
24	14.5	11.7	12.8	15.0	13.0	13.8	16.0	14.8	15.2	16.9	15.4	15.9
25	14.7	11.8	13.0	15.1	13.1	13.9	16.1	14.9	15.3	16.8	15.2	15.8
26	13.4	12.0	12.6	15.2	13.1	13.9	16.1	14.9	15.3	16.6	15.2	15.7
27	13.2	12.2	12.6	14.9	13.2	13.9	16.1	14.9	15.3	16.8	15.4	15.8
28	14.4	12.1	12.9	14.9	13.3	14.0	16.2	15.0	15.4	16.8	15.4	15.9
29	14.7	12.0	13.0	14.8	13.3	13.9	15.7	15.1	15.4	17.1	15.5	16.1
30	14.8	12.0	13.1	14.9	13.2	13.9	16.4	15.1	15.5	16.8	15.8	16.3
31	---	---	---	14.8	13.2	13.8	16.6	15.1	15.6	---	---	---
MONTH	14.8	11.1	12.4	15.2	12.1	13.7	16.6	13.2	14.8	17.1	15.2	16.0
YEAR	18.6	5.3	11.4									

14150800 WINBERRY CREEK NEAR LOWELL, OR

LOCATION.--Lat 43°54'52", long 122°41'15", in NE 1/4 SE 1/4 sec.16, T.19 S., R.1 E., Lane County, Hydrologic Unit 17090001, on right bank 0.9 mi upstream from Nelson Creek, 4.6 mi east of Lowell and at mile 4.4.

DRAINAGE AREA.--43.9 mi^2.

PERIOD OF RECORD.--August 1963 to September 1981, October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 863.70 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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

AVERAGE DISCHARGE.--23 years (water years 1964-1981, 2001-05), 113 ft^3/s, 34.96 in/yr, 81,830 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,500 ft^3/s Dec. 22, 1964, gage height, 8.07 ft; minimum discharge, 1.5 ft^3/s Sept. 4, 5, 8-10, 1967.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 9	0900	*2,190	*5.72	May 10	unknwn	1,190	a4.41

Minimum discharge, 3.5 ft^3/s, Sept. 9, 26-30, gage height, 0.67 ft.
a From crest-stage gage.

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	12	73	82	42	25	36	240	74	116	33	9.0	4.4
2	11	105	89	39	23	33	226	74	164	31	9.1	4.3
3	10	238	76	37	23	30	202	64	147	29	8.7	4.2
4	9.8	141	66	36	24	28	274	68	119	26	8.4	4.2
5	9.3	101	60	34	32	26	297	70	105	24	7.9	3.9
6	9.8	77	101	32	28	24	239	155	104	25	7.4	3.8
7	13	60	331	33	34	23	241	211	130	24	7.1	3.7
8	12	49	730	34	31	22	280	e230	140	23	7.1	3.7
9	30	42	1,700	35	29	21	357	e375	119	24	6.9	3.6
10	20	37	794	36	27	20	303	e800	99	27	6.6	5.0
11	15	33	436	36	26	20	309	e800	101	24	6.5	6.5
12	13	29	299	34	28	19	280	465	95	21	6.3	4.9
13	12	27	216	33	91	18	220	291	85	21	6.3	4.4
14	11	25	257	33	81	17	179	207	76	19	6.1	4.1
15	9.9	23	215	37	66	17	149	190	68	18	5.7	3.9
16	9.5	24	170	49	55	16	149	419	67	17	5.4	4.0
17	20	21	134	56	47	21	194	498	72	16	5.4	4.8
18	56	28	109	80	42	20	236	379	76	16	5.5	4.8
19	38	30	92	76	40	23	228	355	69	15	5.4	4.4
20	29	25	80	66	102	23	189	275	65	14	5.2	4.2
21	27	23	70	58	125	26	154	229	57	14	5.0	3.9
22	55	21	62	51	101	29	133	203	52	14	5.0	3.9
23	220	21	57	46	80	43	141	166	47	13	4.9	3.9
24	141	26	51	41	65	92	144	137	43	13	4.9	3.9
25	91	69	48	38	55	96	129	115	39	12	4.7	3.7
26	67	90	52	36	48	94	117	96	37	11	4.3	3.7
27	50	72	46	35	42	436	109	83	36	11	4.1	3.6
28	41	63	42	32	39	689	100	76	49	10	4.0	3.5
29	36	54	47	30	---	705	89	93	41	9.9	4.4	3.5
30	53	59	49	28	---	493	79	76	36	9.5	4.8	3.8
31	81	---	44	26	---	292	---	68	---	9.2	4.6	---
TOTAL	1,212.3	1,686	6,605	1,279	1,409	3,452	5,987	7,342	2,454	573.6	186.7	124.2
MEAN	39.1	56.2	213	41.3	50.3	111	200	237	81.8	18.5	6.02	4.14
MAX	220	238	1,700	80	125	705	357	800	164	33	9.1	6.5
MIN	9.3	21	42	26	23	16	79	64	36	9.2	4.0	3.5
AC-FT	2,400	3,340	13,100	2,540	2,790	6,850	11,880	14,560	4,870	1,140	370	246
CFSM	0.89	1.28	4.85	0.94	1.15	2.54	4.55	5.39	1.86	0.42	0.14	0.09
IN.	1.03	1.43	5.60	1.08	1.19	2.93	5.07	6.22	2.08	0.49	0.16	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	24.8	126	228	254	157	177	168	121	61.1	16.2	10.2	13.5
MAX	82.6	429	668	512	311	399	362	258	170	46.8	33.0	73.1
(WY)	(1969)	(1974)	(1965)	(1971)	(1979)	(1972)	(1979)	(1977)	(1964)	(1969)	(1978)	(1978)
MIN	5.70	19.2	16.3	32.1	19.7	57.8	80.4	35.8	14.3	5.46	3.31	3.68
(WY)	(2003)	(2003)	(1977)	(1977)	(1977)	(1978)	(1968)	(1966)	(1966)	(2003)	(2003)	(2001)

14150800 WINBERRY CREEK NEAR LOWELL, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	44,792.5		32,310.8			
ANNUAL MEAN	122		88.5		113	
HIGHEST ANNUAL MEAN					182	1972
LOWEST ANNUAL MEAN					57.9	2001
HIGHEST DAILY MEAN	1,700	Dec 9	1,700	Dec 9	3,130	Dec 22, 1964
LOWEST DAILY MEAN	4.2	Aug 21	3.5	Sep 28	2.0	Sep 9, 1967
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 15	3.7	Sep 24	2.2	Aug 30, 1967
ANNUAL RUNOFF (AC-FT)	88,850		64,090		81,830	
ANNUAL RUNOFF (CFSM)	2.79		2.02		2.57	
ANNUAL RUNOFF (INCHES)	37.96		27.38		34.96	
10 PERCENT EXCEEDS	299		228		267	
50 PERCENT EXCEEDS	63		37		56	
90 PERCENT EXCEEDS	8.2		4.9		6.2	

e Estimated

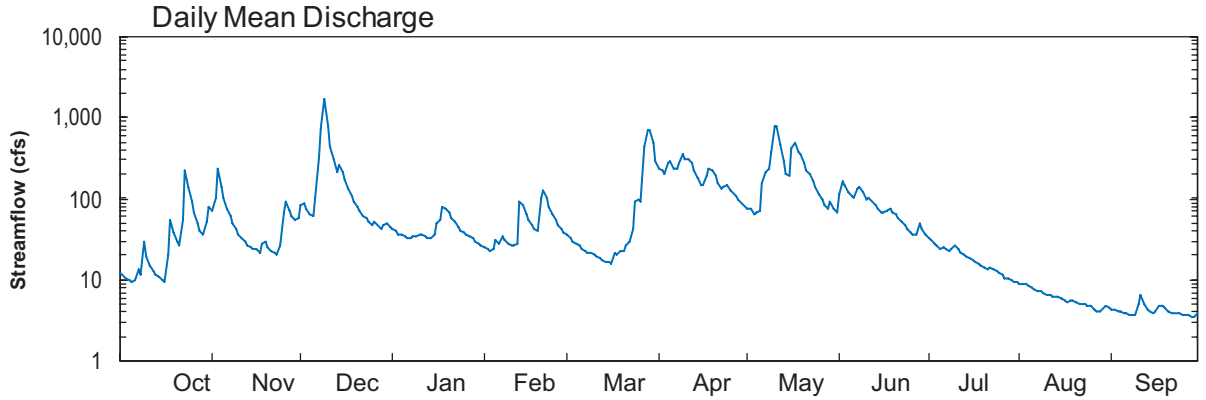
2005 Water Year

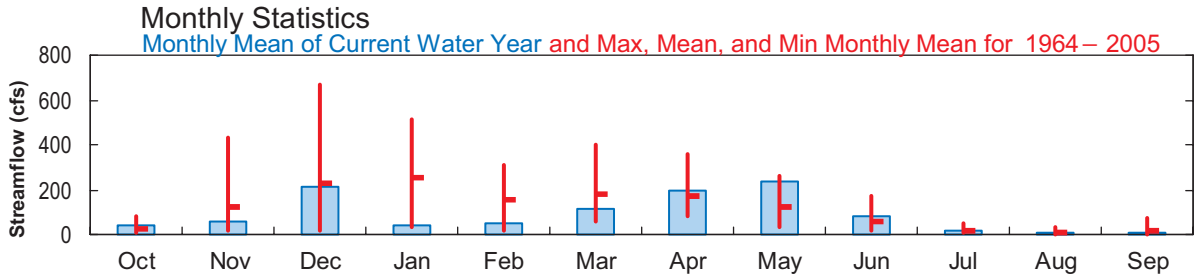
WILLAMETTE RIVER BASIN

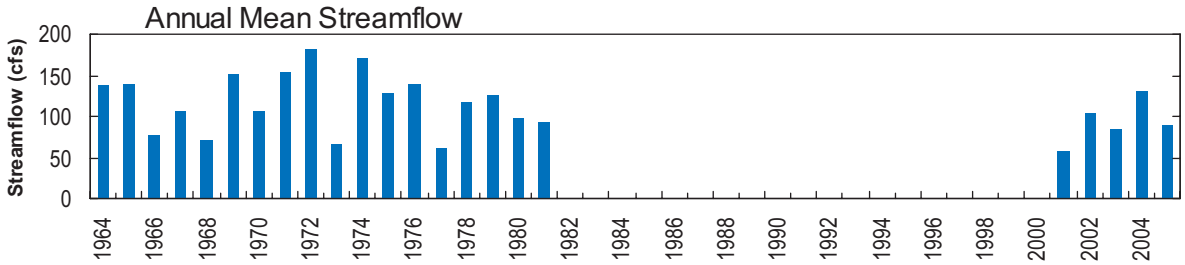
14150800 WINBERRY CREEK NEAR LOWELL, OR

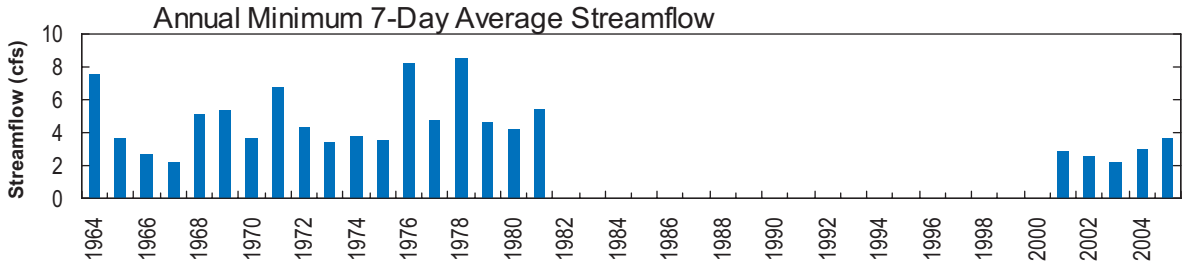
Latitude: 43° 54 ' 52" Longitude: 122° 41 ' 15" Hydrologic Unit Code: 17090001

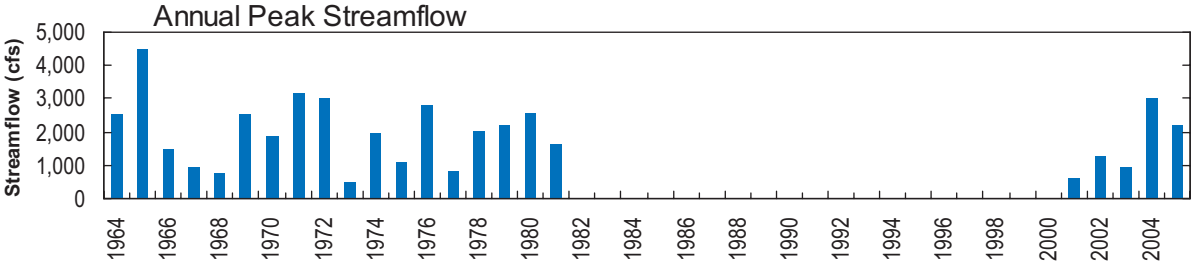
Lane County Datum: 863.70 feet Drainage Area: 43.9 mi^2











14151000 FALL CREEK BELOW WINBERRY CREEK, NEAR FALL CREEK, OR

LOCATION.--Lat 43°56'40", long 122°46'25", in NW ¼ SE ¼ sec.2, T.19 S., R.1 W., Lane County, Hydrologic Unit 17090001, on right bank 10 ft upstream from highway bridge, 1.1 mi downstream from Fall Creek Dam, 2.3 mi southeast of town of Fall Creek and at mile 6.1.

DRAINAGE AREA.--186 mi^2.

WATER-DISCHARE RECORDS

PERIOD OF RECORD.--October to December 1911 (published as Big Fall Creek near Fall Creek; gage heights and discharge measurements only), September 1935 to current year.

REVISED RECORDS.--WSP 1094: 1946(M). WSP 1248: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 637.81 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Oct. 1 to Dec. 31, 1911, nonrecording gage at site 0.25 mi downstream at different datum. Sept. 9, 1935 to Aug. 3, 1950, nonrecording gage on left bank at present site and datum. Aug. 4, 1950 to Aug. 27, 1982 water-stage recorder. Aug. 27, 1982 gage moved to right bank at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1966 by Fall Creek Lake (station 14150900). No diversion upstream from station.

AVERAGE DISCHARGE.--70 years (water years 1936-2005), 573 ft^3/s, 41.84 in/yr, 415,100 acre-ft/yr, adjusted for storage in Fall Creek Lake since January 1965.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,700 ft^3/s Dec. 11, 1956, gage height, 18.80 ft, from rating curve extended above 9,700 ft^3/s; minimum discharge, 1.5 ft^3/s Oct. 7, 8, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,550 ft^3/s Dec. 12, 15, gage height, 5.98 ft; minimum discharge, 43 ft^3/s Apr. 3.

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	407	1,300	210	650	64	54	46	44	330	116	476	523
2	407	1,290	210	667	64	54	45	44	478	115	466	570
3	406	1,310	221	297	64	53	47	291	460	115	464	581
4	405	1,300	293	391	49	53	49	408	365	115	464	579
5	403	1,280	293	582	48	54	47	454	365	115	463	577
6	403	1,280	297	463	49	54	46	407	465	115	463	574
7	403	1,340	719	64	49	54	51	346	651	115	463	570
8	404	1,310	1,030	65	49	53	58	353	664	115	463	568
9	403	1,290	873	66	49	53	57	364	663	116	463	567
10	402	1,160	1,510	67	49	53	55	638	578	116	464	567
11	400	1,020	1,900	67	50	53	58	1,340	559	116	465	567
12	343	1,020	2,460	67	50	53	57	1,670	437	115	464	562
13	386	719	2,440	68	55	53	55	1,660	361	115	464	560
14	806	397	2,400	69	52	53	55	1,490	309	116	463	558
15	818	388	2,450	69	50	53	62	1,030	226	115	462	557
16	844	385	1,980	70	51	53	60	883	225	115	462	555
17	861	382	1,970	72	51	53	47	1,670	374	115	461	553
18	862	247	1,470	74	51	54	51	1,840	436	115	462	554
19	855	136	1,070	75	51	55	48	1,740	430	92	460	553
20	860	135	818	71	57	54	47	1,530	393	78	459	550
21	864	132	509	62	55	55	46	1,280	343	138	462	548
22	861	118	464	62	54	56	46	1,140	205	223	491	550
23	860	88	511	62	54	57	47	845	187	222	510	554
24	859	88	507	62	54	62	47	457	188	222	509	552
25	858	101	503	62	53	60	46	411	187	244	507	550
26	1,230	361	369	63	53	60	46	410	187	373	506	547
27	1,310	411	357	64	53	73	46	340	188	486	504	546
28	1,360	356	624	64	53	77	46	323	188	485	503	572
29	1,350	240	747	64	---	69	45	421	187	484	502	584
30	1,330	210	782	64	---	51	44	444	146	483	502	583
31	1,310	---	663	64	---	52	---	297	---	483	500	---
TOTAL	23,270	19,794	30,650	4,707	1,481	1,741	1,500	24,570	10,775	6,088	14,767	16,831
MEAN	751	660	989	152	52.9	56.2	50.0	793	359	196	476	561
MAX	1,360	1,340	2,460	667	64	77	62	1,840	664	486	510	584
MIN	343	88	210	62	48	51	44	44	146	78	459	523
AC-FT	46,160	39,260	60,790	9,340	2,940	3,450	2,980	48,730	21,370	12,080	29,290	33,380
MEAN†	212	254	931	250	264	593	886	968	364	94.0	51.9	54.4
CFSM†	1.14	1.37	5.00	1.35	1.42	3.19	4.77	5.20	1.96	0.50	0.28	0.29
IN.†	1.32	1.53	5.77	1.55	1.48	3.68	5.32	6.00	2.18	0.58	0.32	0.33
AC-FT†	13,040	15,130	57,240	15,400	14,650	36,470	52,750	59,530	21,670	5,780	3,190	3,240

CAL YR2004 TOTAL 204,300 MEAN 558 MAX 2,460 MIN 42 AC-FT 405,200 MEAN† 553 CFSM† 2.98 IN.† 40.51 AC-FT† 401,800
WTR YR2005 TOTAL 156,174 MEAN 428 MAX 2,460 MIN 44 AC-FT 309,800 MEAN† 412 CFSM† 2.21 IN.† 30.06 AC-FT† 298,100

† Adjusted for change in contents in Fall Creek Lake. Data provided by the U.S. Army Corps of Engineers.

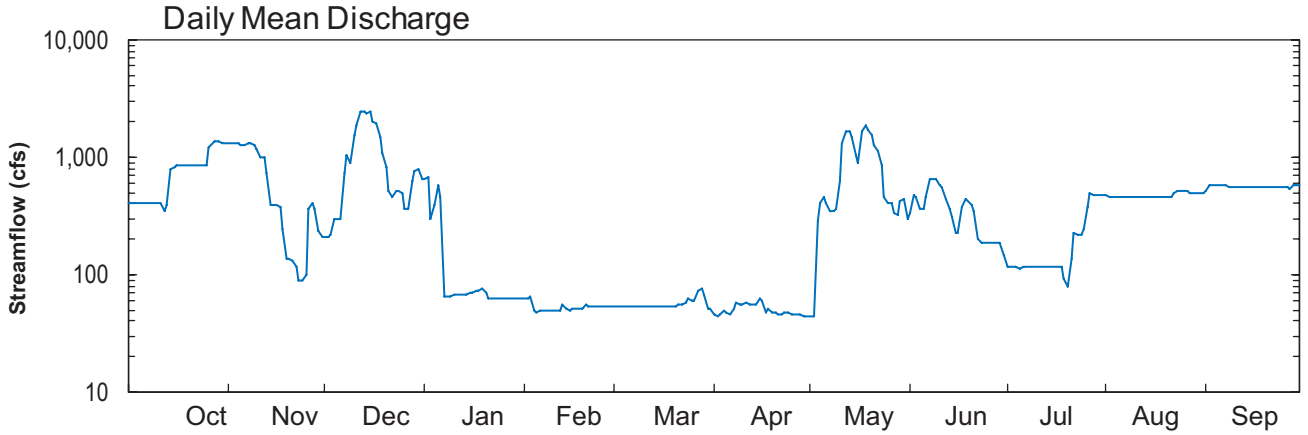
2005 Water Year

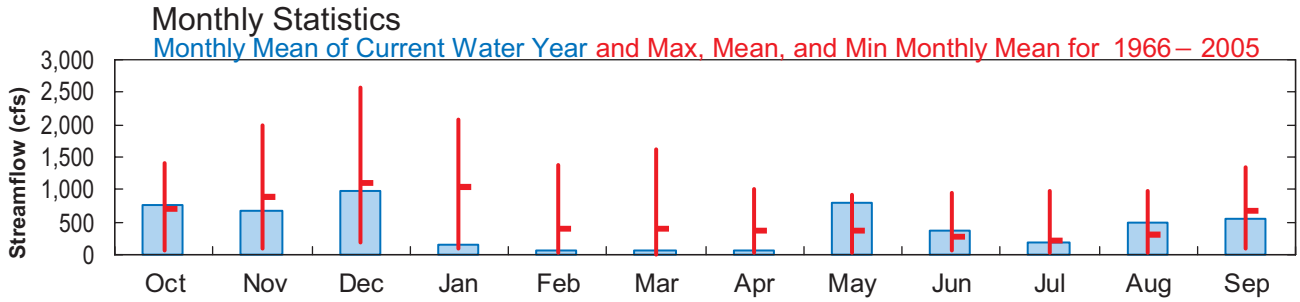
WILLAMETTE RIVER BASIN

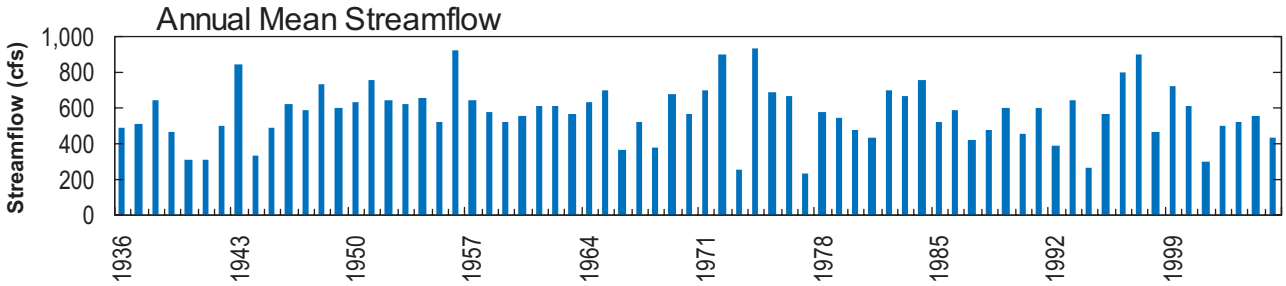
14151000 FALL CREEK BLW WINBERRY CREEK, NEAR FALL CREEK, OR

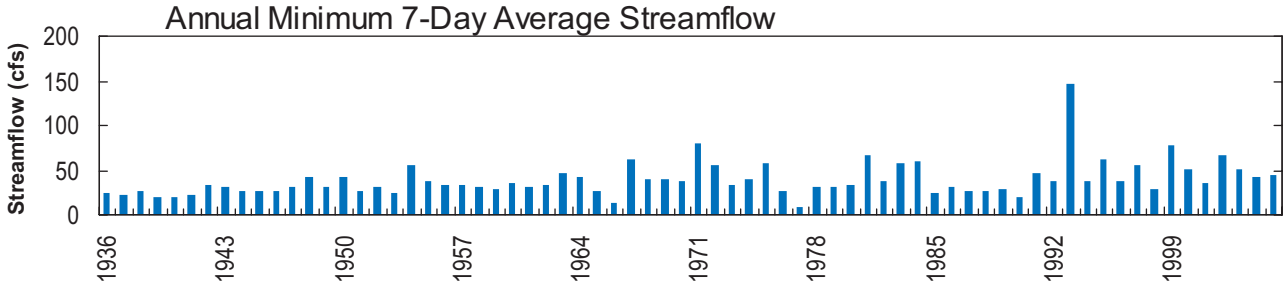
Latitude: 43° 56 ' 40" Longitude: 122° 46 ' 25" Hydrologic Unit Code: 17090001

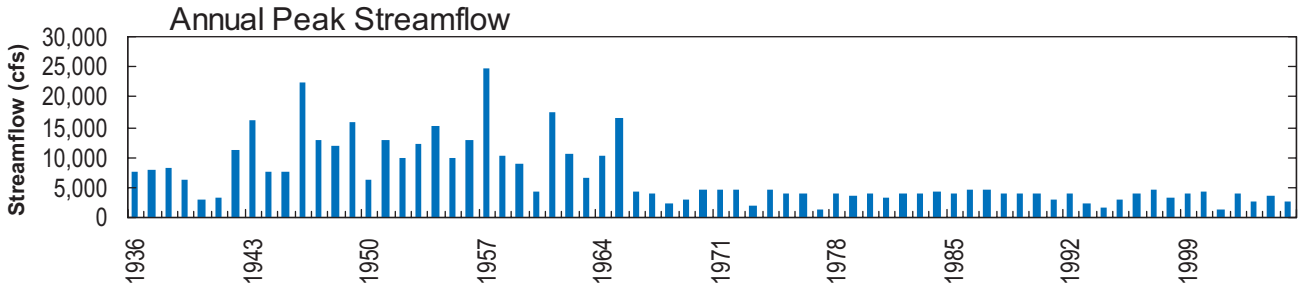
Lane County Datum: 637.81 feet Drainage Area: 186 mi^2











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14151000 FALL CREEK BELOW WINBERRY CREEK, NEAR FALL CREEK, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 1950 to September 1997, August 2001 to current year.

INSTRUMENTATION.--Temperature probe and data logger.

REMARKS.--Records good except those for the period Oct. 1-6, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.0°C July 28, 1958; minimum, 0.0°C Dec. 23, 24, 1990.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 18.4°C Oct. 13; minimum, 3.5°C Jan. 6.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.1	14.7	14.8	13.7	13.3	13.5	7.4	6.9	7.2	6.3	6.0	6.2
2	15.1	14.7	14.9	13.4	13.0	13.2	7.4	6.8	7.1	6.0	5.8	5.9
3	15.1	14.6	14.8	13.2	12.4	12.9	7.7	6.9	7.3	5.8	5.5	5.6
4	15.1	14.7	14.9	12.5	11.9	12.1	7.7	7.0	7.3	5.5	5.0	5.2
5	15.2	14.8	14.9	11.9	11.5	11.7	7.3	7.0	7.1	5.2	4.4	4.8
6	15.1	14.7	14.9	11.6	11.4	11.5	7.3	7.1	7.2	4.4	3.5	3.9
7	15.1	14.7	14.8	11.7	11.5	11.6	7.3	7.1	7.1	4.1	3.8	4.0
8	15.2	14.7	15.0	11.9	11.6	11.8	7.3	7.0	7.1	4.1	3.8	3.9
9	15.2	14.8	14.9	12.0	11.8	11.9	8.1	7.2	7.7	4.2	3.6	3.8
10	15.0	14.7	14.8	12.1	11.9	12.0	8.3	7.8	8.1	4.3	3.7	3.9
11	15.0	14.7	14.8	12.3	12.0	12.2	8.3	7.9	8.0	4.2	3.7	3.9
12	18.0	14.6	15.4	12.4	12.2	12.3	8.7	8.3	8.5	4.2	3.6	3.9
13	18.4	13.2	16.2	12.2	12.0	12.1	8.8	8.5	8.7	4.4	3.8	3.9
14	13.4	13.2	13.3	12.2	11.9	12.0	8.8	8.6	8.7	4.3	3.7	4.0
15	13.4	13.2	13.3	12.1	11.7	11.9	9.0	8.8	8.9	4.0	3.8	3.9
16	13.4	13.2	13.3	11.7	11.4	11.5	8.8	8.5	8.7	4.6	3.9	4.2
17	13.4	12.3	12.9	11.7	11.4	11.5	8.5	8.3	8.4	5.0	4.3	4.7
18	12.7	12.4	12.6	11.5	10.8	11.2	8.3	8.2	8.3	6.2	5.0	5.5
19	13.2	12.7	12.9	10.8	10.1	10.4	8.3	8.0	8.2	6.5	5.6	6.0
20	13.0	12.7	12.9	10.3	10.0	10.1	8.1	7.8	8.0	6.4	5.4	5.8
21	13.3	12.9	13.1	10.0	9.3	9.6	8.0	7.8	7.9	6.8	5.5	6.0
22	13.7	13.2	13.5	9.3	8.4	9.0	7.9	7.3	7.6	6.9	5.8	6.3
23	13.8	13.6	13.7	8.5	8.2	8.4	7.5	7.2	7.3	6.9	6.1	6.4
24	13.6	13.1	13.4	8.3	8.0	8.2	7.4	7.0	7.2	7.0	6.0	6.3
25	13.1	12.9	12.9	8.6	8.0	8.2	7.2	6.8	7.0	6.8	6.1	6.4
26	13.0	12.8	12.9	9.2	8.6	8.9	6.9	6.5	6.7	6.8	6.3	6.5
27	13.1	12.8	12.9	9.0	8.8	8.9	6.7	6.3	6.5	7.2	6.4	6.6
28	13.5	13.1	13.3	9.0	8.5	8.8	6.7	6.3	6.5	7.0	6.4	6.6
29	13.7	13.4	13.6	8.6	7.8	8.2	6.6	6.5	6.6	7.3	6.4	6.8
30	13.8	13.6	13.7	8.1	7.4	7.8	6.6	6.4	6.6	7.5	6.4	6.8
31	13.9	13.6	13.8	---	---	---	6.4	6.2	6.3	7.5	6.5	6.9
MONTH	18.4	12.3	14.0	13.7	7.4	10.8	9.0	6.2	7.5	7.5	3.5	5.3

14151000 FALL CREEK BELOW WINBERRY CREEK, NEAR FALL CREEK, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	6.5	6.8	9.0	6.4	7.4	9.7	8.3	9.0	13.0	10.0	10.9
2	7.5	6.4	6.7	8.6	6.3	7.1	10.3	8.2	8.9	12.5	10.3	11.0
3	7.4	6.1	6.6	9.3	6.4	7.6	9.2	8.1	8.6	10.5	7.9	8.7
4	6.6	6.0	6.2	8.7	6.6	7.4	10.0	8.0	8.7	9.9	7.9	8.8
5	6.8	5.5	6.1	8.8	6.6	7.3	10.4	8.2	9.4	9.4	8.9	9.2
6	6.6	5.6	6.2	9.4	6.6	7.6	11.5	8.3	9.3	10.0	9.0	9.5
7	7.1	5.8	6.3	9.3	6.6	7.6	9.1	8.2	8.6	10.6	9.5	9.9
8	7.0	5.8	6.2	9.8	6.8	7.9	10.7	8.3	9.2	10.5	9.3	9.9
9	6.7	5.8	6.1	9.3	6.8	7.8	10.6	8.2	9.0	10.2	9.3	9.7
10	6.8	5.3	5.9	9.6	6.9	7.9	10.7	8.2	9.0	11.4	8.3	9.7
11	7.2	5.2	5.9	9.3	6.9	7.9	10.3	8.4	9.1	8.4	8.1	8.2
12	6.4	5.7	6.1	9.3	6.9	7.9	9.7	8.2	8.7	8.3	8.1	8.1
13	6.9	5.4	6.1	9.1	7.0	7.8	9.9	8.1	8.7	8.2	8.1	8.2
14	6.6	5.1	5.8	9.5	6.9	7.9	11.0	8.0	8.9	8.4	8.2	8.3
15	6.9	5.3	5.9	10.2	7.0	8.1	10.0	8.1	8.8	8.9	8.4	8.6
16	7.1	5.3	5.9	8.4	7.1	7.7	8.9	8.0	8.5	9.0	8.4	8.7
17	7.1	5.6	6.1	8.5	7.5	8.0	9.6	7.9	8.4	8.5	8.2	8.3
18	7.2	5.5	6.1	8.8	7.6	8.1	10.0	7.8	8.5	8.5	8.2	8.3
19	6.6	5.7	6.2	8.7	7.4	8.1	10.9	7.6	8.8	8.5	8.3	8.4
20	7.4	6.1	6.5	8.7	7.1	8.1	11.4	7.9	9.2	8.7	8.4	8.5
21	7.6	5.7	6.4	9.4	7.1	8.4	11.4	8.0	9.1	8.8	8.5	8.6
22	7.7	5.7	6.4	8.3	7.6	7.9	11.2	8.0	9.0	8.9	8.6	8.7
23	8.0	6.0	6.8	9.3	7.7	8.3	8.7	8.2	8.4	9.3	8.6	9.0
24	8.1	6.1	6.8	9.1	7.6	8.4	10.4	8.2	8.9	10.3	9.3	9.9
25	8.1	6.3	6.9	9.2	7.6	8.2	10.3	8.2	8.9	10.7	9.8	10.2
26	8.5	6.2	7.1	8.2	7.6	7.9	11.6	8.0	9.2	10.5	9.9	10.1
27	8.8	6.3	7.4	8.1	7.7	7.9	11.3	7.8	9.2	11.2	10.1	10.7
28	7.5	6.5	6.9	8.5	7.8	8.1	12.9	8.2	10.1	11.0	10.3	10.7
29	---	---	---	9.2	7.6	8.1	11.7	9.7	10.4	11.1	9.7	10.4
30	---	---	---	9.9	7.4	8.2	13.4	9.8	11.1	10.8	9.8	10.2
31	---	---	---	11.0	7.3	9.0	---	---	---	12.1	10.2	11.2
MONTH	8.8	5.1	6.4	11.0	6.3	7.9	13.4	7.6	9.1	13.0	7.9	9.4
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.2	10.0	11.2	15.2	13.5	14.1	13.7	12.8	13.2	11.7	11.2	11.4
2	10.6	9.8	10.2	15.3	13.4	14.0	13.8	13.2	13.5	11.7	11.2	11.4
3	11.1	9.9	10.4	15.0	13.7	14.2	14.1	13.5	13.8	11.7	11.3	11.5
4	11.2	10.6	10.8	15.3	13.8	14.3	14.2	13.7	14.0	11.8	11.4	11.7
5	11.1	10.6	10.8	15.5	13.7	14.5	14.3	13.9	14.1	12.0	11.6	11.8
6	11.0	10.1	10.4	14.9	13.7	14.2	14.5	14.0	14.2	12.7	11.8	12.3
7	10.3	9.7	9.9	15.6	13.8	14.4	14.6	14.2	14.4	12.9	12.5	12.7
8	10.3	9.7	10	14.9	13.8	14.2	14.8	14.2	14.6	13.0	12.6	12.9
9	10.2	9.8	10.0	14.9	13.9	14.3	15.0	14.3	14.7	13.3	12.7	13.0
10	10.4	9.8	10.2	14.8	13.9	14.4	15.1	10.3	12.3	13.5	13.1	13.3
11	10.4	10.0	10.2	15.4	14.2	14.5	10.7	10.2	10.4	13.6	12.6	13.4
12	11.7	10.2	10.9	15.5	14.2	14.7	10.8	10.2	10.4	13.8	13.3	13.6
13	11.6	11.0	11.2	15.8	14.2	14.8	10.9	10.3	10.5	13.8	13.5	13.6
14	13.0	11.0	11.7	15.8	14.2	14.9	10.8	10.3	10.5	14.0	13.6	13.7
15	13.4	12.4	12.9	15.8	14.5	15.0	10.9	10.3	10.5	14.1	13.7	13.8
16	13.9	12.5	12.9	16.0	14.4	15.1	10.9	10.4	10.6	14.1	13.7	13.9
17	12.8	10.7	11.5	16.2	14.4	15.2	11.0	10.4	10.6	14.1	13.4	13.9
18	11.2	10.6	10.9	16.2	14.5	15.3	11.0	10.4	10.6	14.3	13.8	14.0
19	11.3	10.6	11.0	16.6	14.5	15.3	11.1	10.5	10.7	14.2	13.8	14.0
20	11.6	10.8	11.2	16.6	14.3	15.3	11.0	10.5	10.8	14.2	13.8	14.0
21	12.4	10.9	11.6	16.7	14.4	15.1	11.1	10.4	10.7	14.2	13.8	13.9
22	14.1	12.0	13.2	15.8	14.4	15.1	11.0	10.4	10.6	14.1	13.8	13.9
23	13.9	12.8	13.2	15.6	14.8	15.2	10.9	10.4	10.6	14.0	13.7	13.8
24	13.9	13.0	13.4	15.5	15.0	15.3	11.0	10.4	10.7	14.0	13.6	13.8
25	14.0	13.2	13.5	15.7	13.6	15.1	11.1	10.5	10.8	13.9	13.6	13.7
26	13.6	13.1	13.3	13.9	12.1	13.3	11.2	10.6	10.9	13.9	13.5	13.7
27	13.6	12.9	13.3	12.5	12.2	12.3	11.2	10.7	10.9	13.9	13.5	13.7
28	14.1	13.1	13.5	12.7	12.3	12.5	11.3	10.8	11.0	13.7	13.4	13.6
29	14.3	13.5	13.8	12.9	12.5	12.6	11.3	10.8	11.1	13.7	13.4	13.5
30	15.3	13.6	14.1	13.0	12.6	12.9	11.5	11.0	11.2	13.8	13.5	13.6
31	---	---	---	13.2	12.7	13.0	11.6	11.0	11.3	---	---	---
MONTH	15.3	9.7	11.7	16.7	12.1	14.4	15.1	10.2	11.7	14.3	11.2	13.2
YEAR	18.4	3.5	10.1									

14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR

LOCATION.--Lat 43°59'54", long 122°54'17", in SW ¼ SW ¼ sec.14, T.18 S., R.2 W., Lane County, Hydrologic Unit 17090001, on right bank 25 ft downstream from highway bridge at Jasper, 0.1 mi downstream from Hills Creek, and at mile 195.0.

DRAINAGE AREA.--1,340 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1905 to February 1912, July 1913 to March 1917, October 1952 to current year. Monthly discharge only for some periods, published in WSP 1318.

REVISED RECORDS.--WSP 1288: 1907-8, 1910-12, 1914-16, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 513.45 ft above NGVD of 1929. September 1905 to February 1912 and July 1913 to March 1917, nonrecording gage at approximately same site at datum about 1.5 ft higher. Oct. 22, 1952, to Sept. 30, 1953, nonrecording gage at site 25 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since November 1953 by Lookout Point Lake (station 14149000), since 1961 by Hills Creek Lake (station 14145100), and since 1966 by Fall Creek Lake (station 14150900).

AVERAGE DISCHARGE.--10 years (water years 1906-11, 1914-16, 1953), 3,866 ft^3/s, 2,801,000 acre-ft/yr. 52 years (water years 1954-2005), 4,092 ft^3/s, 2,964,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft^3/s Nov. 23, 1909, gage height, 17.4 ft, datum then in use, from graph based on gage readings, from rating curve extended above 42,000 ft^3/s; minimum discharge, 366 ft^3/s Dec. 5, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,400 ft^3/s Dec. 13, gage height, 7.09 ft; minimum discharge, 1,010 ft^3/s Mar. 18.

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	2,390	4,760	1,780	4,600	1,530	1,260	2,050	3,570	2,420	1,500	2,850	2,670
2	2,390	4,570	1,810	4,660	1,530	1,270	1,920	3,560	2,580	1,480	2,850	2,700
3	2,410	5,080	1,760	4,070	1,490	1,220	1,860	3,330	2,550	1,490	2,840	2,710
4	2,410	4,890	1,770	3,090	1,370	1,220	1,920	3,410	2,410	1,780	2,810	2,710
5	2,370	4,830	1,790	2,750	1,320	1,200	1,830	3,580	2,400	1,850	2,780	2,720
6	2,380	5,290	1,880	2,420	1,340	1,130	1,730	3,730	2,510	1,840	2,780	2,760
7	2,410	5,250	3,040	1,660	1,400	1,120	1,780	3,320	3,180	1,840	2,770	2,920
8	2,420	5,140	4,430	1,610	1,310	1,090	2,100	3,200	2,870	1,830	2,770	2,920
9	2,510	5,100	6,400	1,610	1,300	1,080	2,070	3,510	2,320	1,820	2,760	2,890
10	2,490	5,030	6,270	1,620	1,280	1,090	1,910	4,800	2,170	1,820	2,800	2,910
11	2,450	4,840	7,940	1,640	1,270	1,080	2,010	4,610	2,220	1,810	2,790	2,950
12	2,410	4,830	9,900	1,620	1,250	1,070	1,930	4,170	2,140	1,830	2,780	2,900
13	2,300	4,520	11,200	1,600	1,500	1,070	1,800	3,750	1,780	1,960	2,780	2,860
14	2,730	4,210	11,300	1,580	1,420	1,060	1,700	3,420	1,690	1,990	2,780	2,880
15	2,770	4,150	11,200	1,590	1,410	1,070	1,610	2,850	1,630	2,260	2,790	2,870
16	2,780	4,110	9,930	1,610	1,390	1,100	1,630	2,870	1,600	2,290	2,800	2,900
17	2,830	4,120	9,020	1,620	1,340	1,150	1,660	3,850	2,160	2,290	2,820	2,910
18	2,950	3,340	7,260	1,740	1,350	1,070	1,810	4,150	2,330	2,240	2,810	2,880
19	2,990	3,140	6,170	2,310	1,310	1,110	1,720	4,080	2,330	2,210	2,800	2,880
20	2,930	3,070	5,750	2,070	1,500	1,120	1,620	3,740	2,280	2,210	3,110	2,870
21	2,930	3,060	5,450	1,670	1,530	1,150	1,510	3,380	2,170	2,240	3,140	2,860
22	2,960	3,070	5,320	1,580	1,440	1,160	1,440	3,140	2,080	2,330	3,160	2,830
23	3,140	3,030	5,330	1,590	1,380	1,180	1,930	2,660	1,950	2,330	3,280	2,800
24	3,200	3,000	5,300	1,580	1,350	1,580	2,400	2,170	1,650	2,350	3,300	2,790
25	3,590	3,140	5,300	1,530	1,300	1,560	2,180	2,050	1,600	2,360	3,290	2,820
26	4,030	3,410	5,250	1,480	1,270	1,450	2,210	2,000	1,650	2,460	3,290	2,880
27	4,400	3,070	5,200	1,530	1,290	2,450	2,760	1,910	1,700	2,740	3,300	2,840
28	4,890	2,930	5,400	1,520	1,280	3,240	2,890	2,230	1,710	2,900	3,310	2,880
29	4,930	2,780	5,550	1,510	---	3,800	2,820	2,520	1,700	2,880	3,300	2,870
30	4,870	2,160	4,850	1,510	---	2,970	3,300	2,560	1,650	2,890	3,130	2,900
31	4,830	---	4,600	1,530	---	2,270	---	2,410	---	2,850	2,810	---
TOTAL	95,090	119,920	178,150	62,500	38,450	45,390	60,100	100,530	63,430	66,670	91,580	85,280
MEAN	3,067	3,997	5,747	2,016	1,373	1,464	2,003	3,243	2,114	2,151	2,954	2,843
MAX	4,930	5,290	11,300	4,660	1,530	3,800	3,300	4,800	3,180	2,900	3,310	2,950
MIN	2,300	2,160	1,760	1,480	1,250	1,060	1,440	1,910	1,600	1,480	2,760	2,670
AC-FT	188,600	237,900	353,400	124,000	76,270	90,030	119,200	199,400	125,800	132,200	181,600	169,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	3,585	5,902	7,597	6,920	4,158	3,559	3,327	3,661	2,894	2,000	2,344	3,122
MAX	5,688	12,730	19,100	16,940	11,630	11,290	7,314	7,264	6,746	3,141	3,395	4,823
(WY)	(1963)	(1985)	(1997)	(1997)	(1961)	(1957)	(1955)	(1963)	(1984)	(1999)	(1993)	(1984)
MIN	1,235	1,961	1,517	1,327	787	1,111	729	844	1,187	1,238	1,222	1,830
(WY)	(1954)	(1955)	(1977)	(1977)	(1977)	(1977)	(1977)	(1973)	(1977)	(1957)	(1956)	(1968)

14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	1,416,830		1,007,090			
ANNUAL MEAN	3,871		2,759		4,092	
HIGHEST ANNUAL MEAN					6,722	1997
LOWEST ANNUAL MEAN					1,877	1977
HIGHEST DAILY MEAN	11,300	Dec 14	11,300	Dec 14	38,600	Dec 27, 1964
LOWEST DAILY MEAN	1,420	Jun 30	1,060	Mar 14	536	Apr 30, 1977
ANNUAL SEVEN-DAY MINIMUM	1,600	Mar 22	1,070	Mar 9	555	Apr 24, 1977
ANNUAL RUNOFF (AC-FT)	2,810,000		1,998,000		2,964,000	
10 PERCENT EXCEEDS	7,550		4,810		8,320	
50 PERCENT EXCEEDS	3,070		2,460		2,930	
90 PERCENT EXCEEDS	1,960		1,350		1,530	

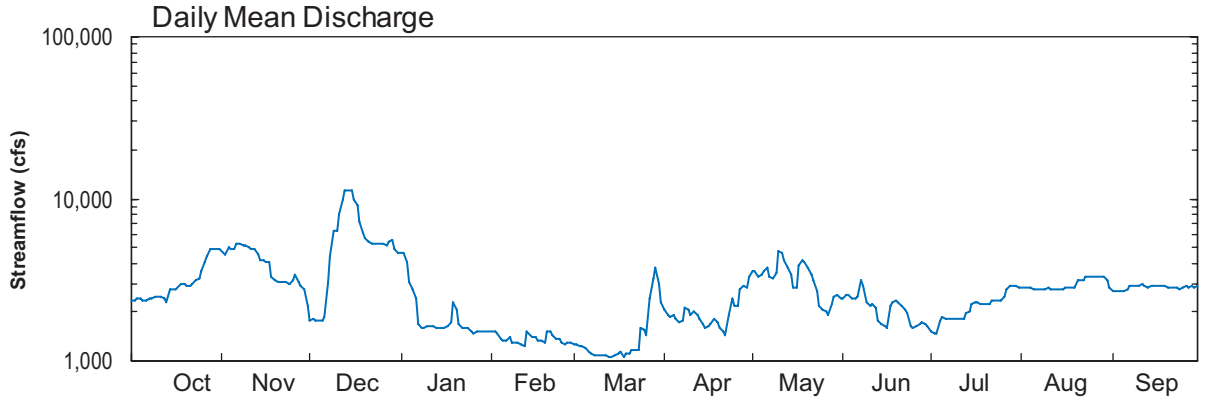
2005 Water Year

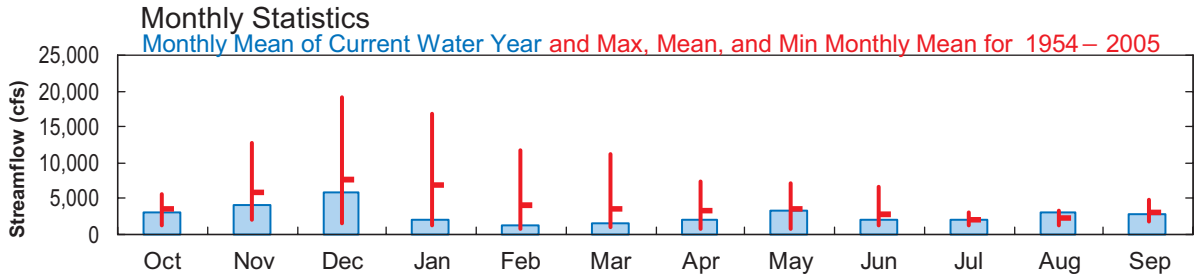
WILLAMETTE RIVER BASIN

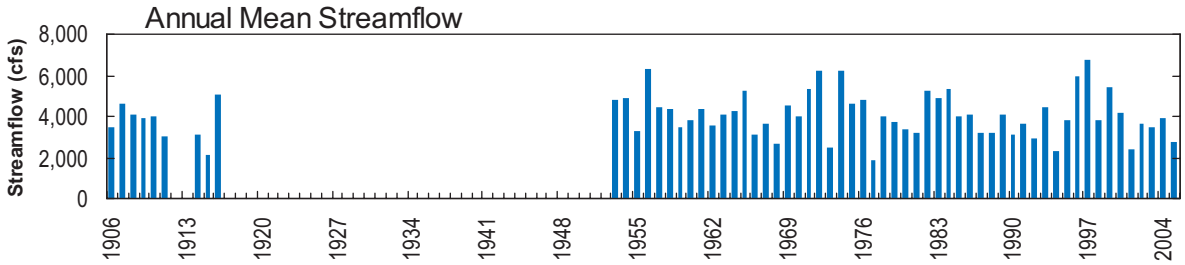
14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR

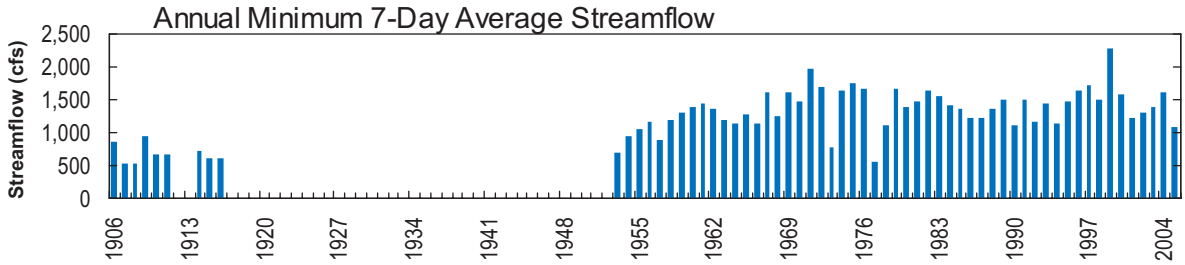
Latitude: 43° 59 ' 54" Longitude: 122° 54 ' 17" Hydrologic Unit Code: 17090001

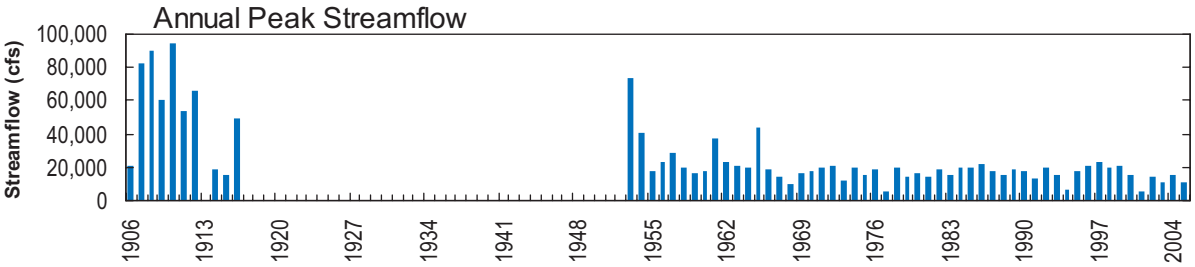
Lane County Datum: 513.45 feet Drainage Area: 1340 mi²











14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1953 to December 1962, October 1963 to September 1987, October 2000 to current year.

INSTRUMENTATION.--Temperature probe and data logger.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 21.4°C Aug. 9, 2001; minimum, 1.5°C Jan. 25-27, 1969.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 18.3°C Oct. 2; minimum, 4.1°C Feb. 16.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.2	15.5	16.5	13.4	12.9	13.1	9.0	7.9	8.6	6.8	6.3	6.5
2	18.3	15.6	16.6	13.2	12.2	12.9	8.2	7.5	7.9	6.4	6.2	6.3
3	18.2	15.6	16.5	12.7	11.6	12.1	8.4	7.7	8.0	6.5	5.9	6.2
4	18.2	15.6	16.6	12.4	11.3	11.8	8.5	7.6	8.0	6.4	5.2	5.8
5	18.0	15.6	16.5	12.2	11.1	11.5	8.5	7.7	8.1	5.6	4.8	5.1
6	17.5	16.3	16.7	12.2	11.2	11.5	8.1	7.4	7.8	5.6	5.1	5.3
7	18.1	16.1	16.8	12.2	11.2	11.5	8.1	7.4	7.7	5.9	5.3	5.7
8	17.0	15.8	16.3	12.2	11.4	11.6	8.3	7.8	8.1	5.8	5.2	5.4
9	16.8	15.2	15.8	12.1	11.6	11.8	9.2	8.3	8.8	6.0	5.0	5.4
10	16.9	14.8	15.6	12.1	11.8	11.9	9.2	8.9	9.0	5.8	4.9	5.4
11	17.1	14.8	15.6	12.3	11.8	11.9	8.9	8.6	8.8	6.0	5.1	5.4
12	17.2	14.8	15.7	12.4	11.6	11.9	8.9	8.5	8.6	6.2	5.1	5.6
13	17.8	15.0	16.1	12.2	11.7	11.9	8.8	8.4	8.6	6.4	5.3	5.7
14	16.6	14.4	15.2	12.4	11.5	11.8	9.1	8.5	8.8	5.7	5.0	5.3
15	16.3	14.4	15.1	11.7	11.4	11.6	8.6	8.3	8.4	5.3	5.0	5.2
16	15.6	14.8	15.1	12.1	11.2	11.6	8.4	8.1	8.2	6.6	5.1	5.8
17	15.0	14.0	14.7	11.9	11.0	11.3	8.3	8.0	8.1	6.8	5.9	6.3
18	14.3	13.8	14.0	11.9	10.9	11.2	8.1	7.9	8.0	8.4	6.8	7.4
19	14.9	13.8	14.1	11.5	10.3	10.8	8.1	7.7	7.9	7.8	6.7	7.1
20	14.8	13.9	14.1	10.7	10.1	10.4	7.9	7.2	7.6	8.1	6.7	7.2
21	14.6	13.8	14.1	10.6	9.7	10.1	7.6	7.2	7.4	7.9	6.2	6.9
22	14.2	13.8	14.0	10.7	9.7	10.0	7.9	7.4	7.5	7.5	6.3	6.8
23	14.3	13.3	13.8	10.7	9.9	10.3	7.7	7.1	7.3	7.6	6.6	7.0
24	14.6	12.9	13.5	10.8	10.4	10.5	7.3	6.7	7.0	7.8	6.0	6.7
25	13.6	12.7	13.1	10.8	10.0	10.4	7.2	6.6	6.9	7.0	6.4	6.7
26	13.8	12.9	13.2	10.0	9.7	9.9	7.1	6.8	6.9	7.5	6.6	7.0
27	13.4	12.9	13.2	10.1	9.1	9.7	7.1	6.7	6.9	8.1	6.6	7.2
28	13.6	13.0	13.3	9.8	8.9	9.2	7.1	6.6	6.8	7.9	6.6	7.1
29	14.1	13.3	13.6	9.4	8.6	8.9	7.1	6.7	6.9	8.2	6.5	7.2
30	13.9	13.2	13.5	9.2	8.6	8.9	7.1	6.5	6.8	7.9	5.8	6.6
31	14.0	12.9	13.3	---	---	---	7.0	6.4	6.6	7.9	6.0	6.7
MONTH	18.3	12.7	14.9	13.4	8.6	11.1	9.2	6.4	7.8	8.4	4.8	6.3

14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	5.7	6.4	9.4	7.1	8.3	9.9	8.7	9.3	12.4	10.5	11.1
2	7.5	5.3	6.2	10.2	7.6	8.6	10.4	8.0	9.1	12.4	10.4	11.1
3	7.3	5.4	6.1	10.0	6.7	8.1	9.2	8.4	8.8	13.1	10.1	11.1
4	6.7	5.4	6.0	9.8	7.6	8.4	10.3	8.0	8.9	12.5	10.0	11.0
5	7.8	5.8	6.5	10.2	7.1	8.4	10.2	8.1	9.2	11.0	10.4	10.6
6	6.4	5.6	6.0	11.2	6.9	8.7	11.8	8.7	10.1	10.9	10.3	10.5
7	7.5	5.5	6.3	11.6	7.4	9.2	10.2	8.9	9.5	12.3	10.2	10.9
8	6.8	5.2	5.8	12.1	7.5	9.5	10.2	8.1	9.1	12.2	10.3	11.0
9	6.4	5.5	5.8	11.3	7.8	9.5	10.9	8.6	9.7	10.6	9.9	10.3
10	6.9	5.1	5.8	12.3	8.2	9.9	10.5	7.7	9.2	10.6	9.9	10.2
11	7.5	4.6	5.8	12.4	8.1	10	11.5	9.1	10.1	10.6	9.5	10.0
12	6.3	5.2	5.8	12.6	8.3	10.1	10.0	8.4	9.1	11.5	9.1	10.1
13	7.4	5.5	6.3	11.8	7.3	9.2	10.4	7.3	8.7	10.8	9.5	10.1
14	7.1	4.7	5.7	12.0	7.3	9.2	11.3	8.0	9.4	12.1	9.8	10.7
15	6.9	4.2	5.3	12.0	7.3	9.4	10.4	7.8	9.2	10.9	10.2	10.5
16	7.3	4.1	5.4	10.2	8.4	9.2	10.4	9.5	9.9	11.3	10.1	10.6
17	7.2	4.4	5.6	10.7	8.9	9.6	10.2	8.4	9.2	10.1	9.4	9.8
18	7.6	4.7	5.9	10.5	8.7	9.5	10.8	8.1	9.2	11.3	9.5	10.2
19	7.0	5.8	6.4	11.1	9.2	9.9	11.8	7.9	9.6	10.8	9.5	10.0
20	8.6	6.6	7.3	10.0	8.9	9.5	13.1	8.5	10.6	11.0	9.7	10.2
21	8.5	5.8	6.9	10.8	8.6	9.5	13.7	9.4	11.2	10.8	9.4	10.1
22	8.6	5.4	6.7	10.0	8.6	9.2	13.3	9.6	11.3	12.3	9.8	10.8
23	8.8	5.4	6.9	10.6	8.2	9.2	11.5	10.3	10.7	13.4	9.6	11.1
24	9.0	5.6	7.1	9.2	7.7	8.3	12.5	10.0	11.0	14.3	9.6	11.6
25	9.2	6.8	7.7	9.7	7.6	8.6	12.7	10.3	11.2	15.5	10.3	12.5
26	10.1	7.3	8.3	9.4	8.5	9.0	13.6	9.9	11.2	16.2	11.2	13.3
27	10.0	7.0	8.2	9.3	8.7	9.1	13.2	10.1	11.3	16.7	11.8	13.9
28	9.1	7.9	8.4	8.8	8.2	8.6	13.4	10.6	11.5	13.7	11.9	12.6
29	---	---	---	---	---	---	12.1	10.3	11.0	13.4	11.7	12.3
30	---	---	---	---	---	---	12.8	10.2	11.2	13.8	11.7	12.5
31	---	---	---	11.1	7.6	9.3	---	---	---	13.0	11.5	12.1
MONTH	10.1	4.1	6.5	12.6	6.7	9.1	13.7	7.3	10.0	16.7	9.1	11.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.9	11.7	12.4	16.8	13.3	14.6	15.8	13.4	14.3	17.4	14.1	15.3
2	13.3	11.4	12.1	16.4	12.8	14.3	16.8	13.3	14.6	17.0	14.2	15.2
3	14.6	11.2	12.4	17.1	12.6	14.6	17.0	13.1	14.6	16.3	14.3	15.0
4	14.6	11.0	12.5	17.2	12.7	14.7	17.2	13.5	14.9	16.9	14.0	15.1
5	13.2	11.5	12.1	17.3	12.9	14.8	17.2	13.4	14.8	17.2	14.0	15.2
6	12.8	11.1	11.7	15.4	13.7	14.4	17.2	13.5	14.9	17.2	14.2	15.3
7	12.4	10.9	11.4	16.8	13.3	14.7	17.1	13.5	14.8	17.6	14.5	15.6
8	13.8	10.2	11.7	15.4	13.1	14.1	17.4	13.7	15.1	17.7	14.6	15.7
9	14.6	10.6	12.3	15.9	13.6	14.5	17.6	13.7	15.1	16.8	14.8	15.6
10	13.4	11.3	12.2	15.9	13.5	14.4	17.2	13.6	14.8	16.5	14.9	15.6
11	12.8	11.4	12.0	17.2	13.6	15.0	16.7	13.0	14.4	17.3	14.7	15.6
12	14.7	11.0	12.5	16.7	13.7	14.9	16.7	13.2	14.5	17.5	14.5	15.5
13	14.5	11.8	12.8	17.3	13.4	15.0	17.1	13.4	14.8	17.5	14.5	15.6
14	13.5	11.7	12.5	17.8	13.0	15.2	17.1	13.4	14.8	17.7	14.6	15.7
15	15.5	11.2	13.1	17.6	13.4	15.1	17.2	13.5	14.9	17.3	14.9	15.7
16	13.6	12.0	12.7	17.6	13.4	15.0	16.9	13.7	14.9	16.7	14.8	15.5
17	14.0	11.6	12.5	17.7	13.2	15.0	16.7	13.7	14.8	17.4	14.9	15.8
18	14.6	11.8	12.8	17.7	13.3	15.1	17.0	13.8	15.0	17.4	14.5	15.6
19	14.8	11.5	12.8	17.3	13.3	14.9	17.3	13.7	15.0	17.5	14.6	15.6
20	16.0	11.8	13.5	17.4	13.1	14.9	17.0	13.9	15.0	17.4	14.7	15.6
21	15.4	12.1	13.4	17.1	13.3	14.8	16.8	14.0	15.0	17.3	14.6	15.5
22	15.0	12.5	13.4	17.0	13.6	14.9	16.5	13.8	14.8	17.2	14.6	15.5
23	15.9	12.2	13.6	17.5	13.3	14.9	16.6	13.7	14.7	17.1	14.7	15.6
24	16.5	12.1	14.0	17.3	13.1	14.8	16.7	13.5	14.8	17.1	14.2	15.3
25	17.2	12.6	14.6	17.5	13.1	14.9	16.8	13.8	14.9	17.0	14.1	15.2
26	14.4	12.8	13.6	17.6	13.2	15.0	16.9	14.0	15.0	17.0	14.1	15.2
27	14.3	12.8	13.4	17.0	13.0	14.6	16.9	13.8	14.9	17.2	14.4	15.4
28	16.2	12.7	14.0	17.0	13.2	14.7	16.9	13.9	15.0	17.2	14.5	15.4
29	17.0	12.6	14.4	16.8	13.2	14.6	15.6	14.2	14.8	17.4	14.5	15.6
30	17.5	12.7	14.8	16.9	13.1	14.6	17.0	14.0	15.1	16.8	15.3	15.9
31	---	---	---	17.0	13.2	14.6	17.3	13.9	15.1	---	---	---
MONTH	17.5	10.2	12.9	17.8	12.6	14.8	17.6	13.0	14.8	17.7	14.0	15.5
YEAR	18.3	4.1	11.3									

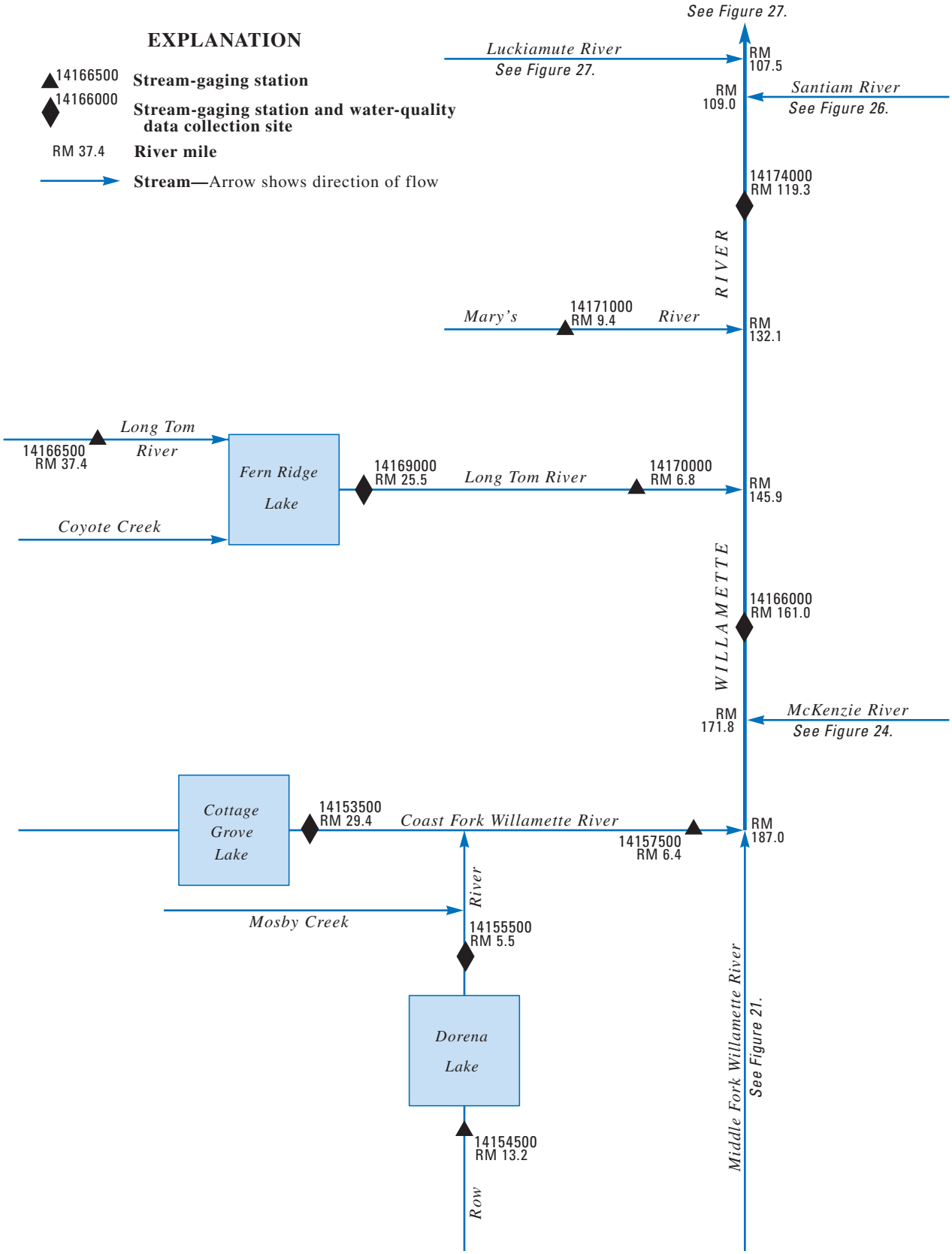


Figure 23. Schematic diagram showing gaging stations in the Long Tom, Coast Fork Willamette and upper Willamette River Basins.

14153500 COAST FORK WILLAMETTE RIVER BELOW COTTAGE GROVE DAM, OR

LOCATION.--Lat 43°43'15", long 123°02'55", in NE ¼ sec.28, T.21 S., R.3 W., Lane County, Hydrologic Unit 17090002, on right bank at bridge 0.3 mi downstream from Cottage Grove Dam, 5.5 mi south of Cottage Grove and at mile 29.4.

DRAINAGE AREA.--104 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year. Prior to October 1944, published as "near Cottage Grove."

REVISED RECORDS.--WSP 1448: 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 711.00 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Jan. 1 to Oct. 12, 1939, nonrecording gage and Oct. 13, 1939 to Sept. 30, 1944, water-stage recorder at several sites and datums 0.8 mi downstream.

REMARKS.-No Records good. Flow regulated since 1942 by Cottage Grove Lake (station 14153000). Small diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--66 years (water years 1940-2005), 262 ft^3/s, 34.21 in/yr, 189,800 acre-ft/yr, adjusted for storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s Dec. 24, 1964, gage height, 11.83 ft; no flow July 5-7, 1945, and for part of Aug. 24, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,350 ft^3/s May 10, 11, gage height, 6.18 ft; minimum discharge, 13 ft^3/s Jan. 28.

†Adjusted for change in contents, in Cottage Grove Lake

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	273	143	31	48	66	69	62	69	254	78	55	155
2	257	54	31	49	65	65	62	69	231	76	55	155
3	256	59	31	56	65	62	62	70	140	76	55	155
4	254	91	31	147	65	62	63	71	85	76	55	155
5	252	136	32	131	65	62	294	71	72	72	55	154
6	270	136	34	124	65	62	296	71	95	53	55	153
7	297	135	375	123	64	62	296	71	380	53	55	153
8	297	134	784	123	64	62	301	73	481	53	55	153
9	296	133	1,080	125	64	54	302	76	360	53	55	153
10	295	89	1,130	127	63	52	305	667	209	53	55	151
11	292	47	1,170	207	62	46	305	1,340	179	53	55	150
12	290	47	951	318	62	40	308	1,170	127	53	55	150
13	288	47	625	235	65	40	309	522	96	53	55	150
14	294	47	505	153	65	40	390	382	86	53	55	152
15	302	47	395	135	65	40	390	241	82	53	55	160
16	299	37	333	150	65	40	384	265	82	54	55	160
17	297	42	273	156	65	40	195	487	82	55	55	160
18	296	42	259	327	65	40	113	471	82	55	55	159
19	294	42	223	310	65	40	66	725	82	55	55	157
20	291	42	208	106	67	40	67	608	93	55	55	252
21	288	42	174	42	69	48	67	529	95	55	55	254
22	286	42	123	41	69	62	67	483	95	55	55	251
23	284	42	125	42	69	63	69	366	95	55	55	251
24	284	42	388	42	69	64	69	253	105	55	55	249
25	284	42	325	42	69	65	69	237	111	55	55	248
26	196	44	234	42	69	65	69	237	99	55	55	247
27	419	41	143	42	69	70	69	195	99	55	55	299
28	498	33	215	40	69	65	69	183	99	55	55	302
29	485	31	132	52	---	68	69	254	96	55	60	297
30	471	31	69	44	---	66	69	294	84	55	156	280
31	454	---	47	46	---	63	---	254	---	55	155	---
TOTAL	9,639	1,940	10,476	3,625	1,844	1,717	5,256	10,804	4,276	1,787	1,911	5,865
MEAN	311	64.7	338	117	65.9	55.4	175	349	143	57.6	61.6	196
MAX	498	143	1,170	327	69	70	390	1,340	481	78	156	302
MIN	196	31	31	40	62	40	62	69	72	53	55	150
AC-FT	19,120	3,850	20,780	7,190	3,660	3,410	10,430	21,430	8,480	3,540	3,790	11,630
MEAN†	84.3	48.8	320	158	104	214	366	414	144	32.9	11.9	19.2
CFSM†	0.81	0.47	3.08	1.52	0.10	2.06	3.52	3.98	1.38	0.32	0.11	0.18
IN.†	0.93	0.52	3.55	1.75	1.04	2.38	3.92	4.59	1.55	0.36	0.13	0.21
AC-FT†	5,181	2,901	19,709	9,698	5,760	13,140	21,753	25,440	8,571	2,026	729	1,145

CAL YR2004 TOTAL 76,063 MEAN 208 MAX 1,170 MIN 29 AC-FT 150,900 MEAN† 207 CFSM† 1.99 IN.† 26.99 AC-FT† 149,700
WTR YR2005 TOTAL 59,140 MEAN 162 MAX 1,340 MIN 31 AC-FT 117,300 MEAN† 160 CFSM† 1.54 IN.† 20.93 AC-FT† 116,000

† Adjusted for change in contents, in Cottage Grove Lake.

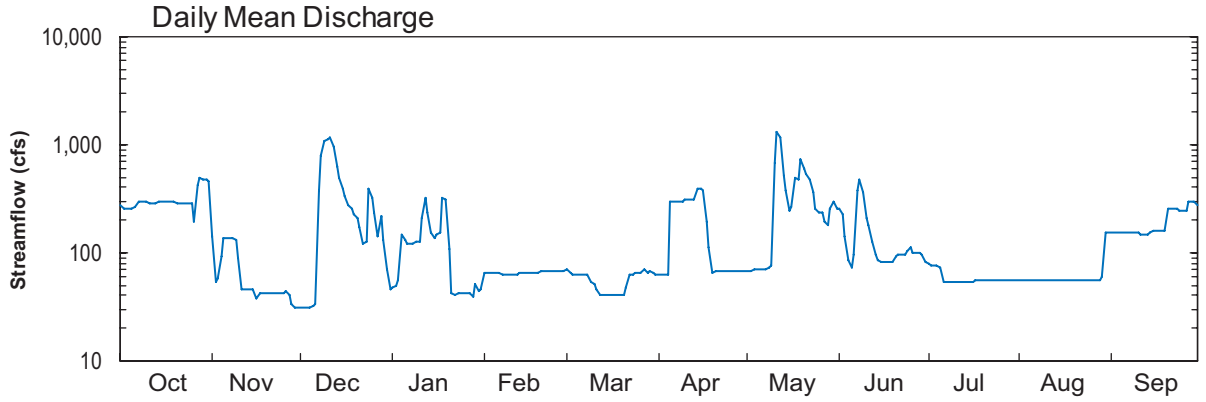
2005 Water Year

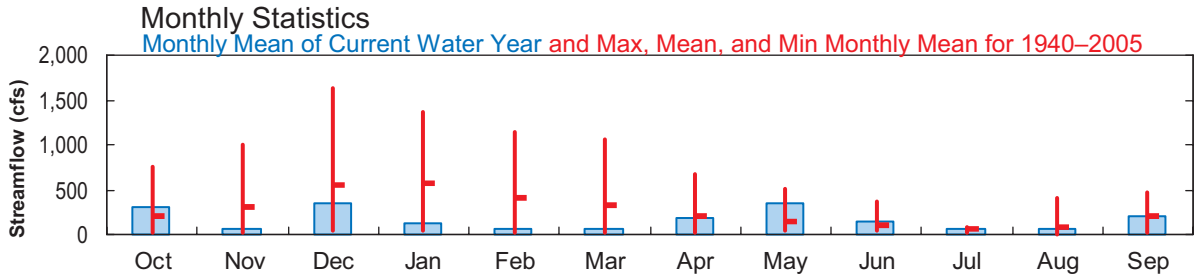
WILLAMETTE RIVER BASIN

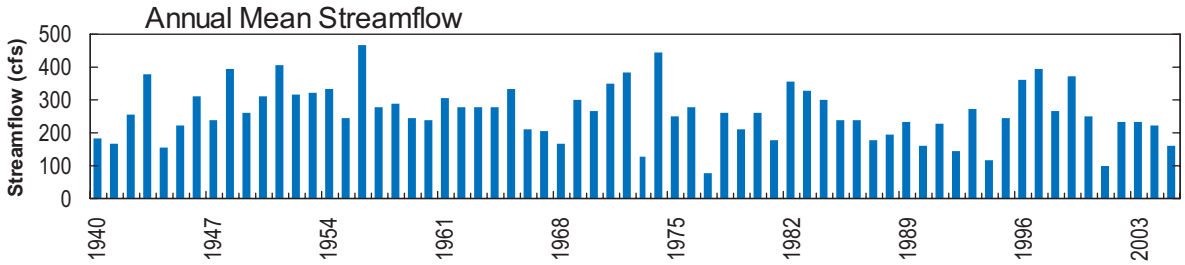
14153500 COAST FORK WILLAMETTE R BLW COTTAGE GROVE DAM, OR

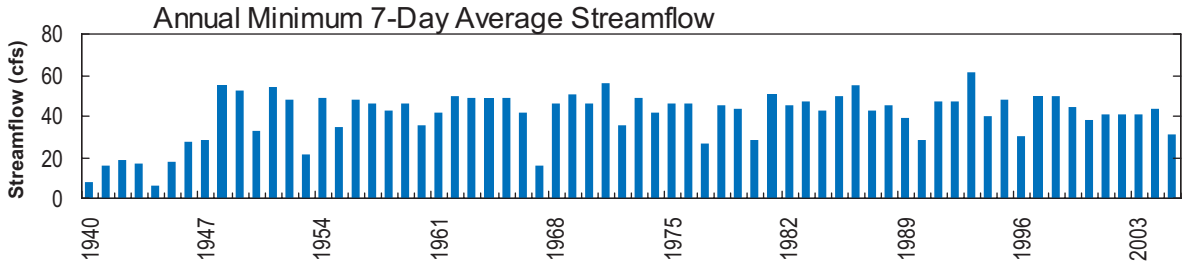
Latitude: 43° 43 ' 15" Longitude: 123° 02 ' 55" Hydrologic Unit Code: 17090002

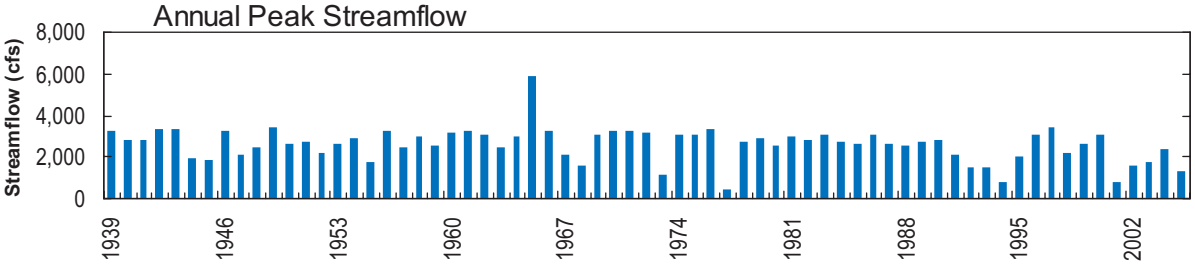
Lane County Datum: 711.00 feet Drainage Area: 104 mi²











14153500 COAST FORK WILLAMETTE RIVER BELOW COTTAGE GROVE DAM, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
WATER TEMPERATURE: August 2001 to current year.

INSTRUMENTATION.--Temperature recorder since September 2001.

REMARKS.--Records excellent except those for the periods Apr. 284to May 22, Sept. 11-30, which are good.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C Aug. 31, Sept. 2, 15, 2001; minimum, 3.9°C Jan 9, 2005.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 19.4°C Sept. 18, 19; minimum, 3.9°C Jan. 9.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.7	18.2	18.4	11.8	11.5	11.7	7.9	7.4	7.7	5.7	5.4	5.5
2	18.7	18.2	18.4	11.9	11.4	11.6	7.5	7.2	7.4	5.4	5.3	5.4
3	18.7	18.3	18.4	11.7	10.4	11.2	7.2	7.0	7.1	5.3	5.1	5.2
4	18.7	18.2	18.4	11.0	9.9	10.3	7.3	6.8	7.0	5.2	5.0	5.1
5	18.7	18.3	18.4	10.5	9.5	9.9	7.3	6.8	6.9	5.0	4.5	4.6
6	18.7	18.3	18.4	10.0	9.1	9.5	6.9	6.5	6.7	4.6	4.3	4.4
7	18.7	18.3	18.5	9.9	9.1	9.4	6.8	6.4	6.6	4.3	4.0	4.2
8	18.7	18.3	18.5	9.9	9.2	9.4	7.3	6.4	6.9	4.3	4.0	4.2
9	18.8	18.3	18.4	9.6	9.4	9.5	8.9	7.3	8.0	4.4	3.9	4.1
10	18.3	17.5	18.0	9.9	9.3	9.5	9.1	8.6	8.9	4.3	4.1	4.2
11	17.9	17.4	17.6	9.9	9.3	9.6	9.2	8.9	9.0	4.3	4.0	4.2
12	17.7	17.3	17.4	10.3	9.5	9.8	9.5	9.2	9.4	4.6	4.2	4.4
13	17.6	17.3	17.4	10.0	9.5	9.8	9.3	9.0	9.2	4.5	4.3	4.4
14	17.6	17.2	17.4	10.5	9.3	9.8	9.8	9.2	9.4	4.6	4.3	4.4
15	17.6	17.2	17.4	10.0	9.7	9.9	9.5	9.0	9.3	4.7	4.4	4.5
16	17.6	17.2	17.4	10.9	9.8	10.2	9.1	8.2	8.8	5.0	4.7	4.8
17	17.2	16.8	17.0	10.7	9.7	10.1	8.5	7.9	8.2	5.8	4.7	5.1
18	16.8	16.3	16.5	10.2	9.6	9.8	8.1	7.9	8.0	7.0	5.7	6.2
19	16.3	15.8	16.1	10.0	9.3	9.6	8.1	7.7	7.9	7.0	6.6	6.8
20	15.8	15.3	15.6	9.5	9.1	9.3	7.7	7.4	7.5	7.5	6.7	7.2
21	15.3	14.9	15.1	9.4	8.6	9.0	7.5	7.3	7.4	7.8	6.7	7.2
22	14.9	14.7	14.9	9.2	8.3	8.6	7.4	6.9	7.2	7.6	6.8	7.2
23	14.7	14.4	14.6	8.7	8.3	8.5	7.1	6.7	6.9	7.5	6.8	7.1
24	14.4	13.4	13.9	9.1	8.4	8.7	7.0	6.7	6.9	7.7	6.7	7.1
25	13.7	13.2	13.4	9.3	8.7	8.9	6.8	6.4	6.6	7.0	6.6	6.8
26	13.5	12.6	13.0	8.8	8.5	8.6	6.4	5.9	6.1	7.5	6.8	7.1
27	12.9	12.5	12.7	8.8	8.2	8.5	6.2	5.9	6.0	7.8	7.1	7.3
28	12.6	12.3	12.5	8.7	7.9	8.2	6.2	5.8	6.0	8.2	7.2	7.5
29	12.4	12.2	12.3	8.3	7.6	7.9	6.1	5.8	5.9	7.9	7.1	7.6
30	12.6	12.2	12.3	8.0	7.7	7.8	6.2	5.8	5.9	8.0	7.0	7.4
31	12.6	11.6	12.0	---	---	---	6.0	5.6	5.8	7.9	6.8	7.3
MONTH	18.8	11.6	16.1	11.9	7.6	9.5	9.8	5.6	7.4	8.2	3.9	5.8

14153500 COAST FORK WILLAMETTE RIVER BELOW COTTAGE GROVE DAM, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	6.8	7.2	9.5	8.8	9.0	8.6	8.1	8.4	10.5	9.5	9.9
2	7.8	6.8	7.2	9.7	8.7	9.1	9.2	8.0	8.4	10.8	9.6	10.0
3	7.7	6.9	7.1	9.8	8.6	9.0	8.6	8.1	8.4	11.4	9.4	10.1
4	7.4	6.8	7.1	9.5	8.2	9.1	9.6	8.3	8.6	11.0	9.7	10.0
5	7.9	6.9	7.2	9.9	8.7	9.2	8.9	8.3	8.7	10.1	9.7	9.9
6	7.2	6.7	7.0	10.1	8.9	9.3	9.2	8.5	8.8	10.0	9.6	9.8
7	7.7	6.7	7.1	10.2	9.0	9.4	10.2	8.5	9.0	10.7	9.6	10
8	7.4	6.7	6.9	10.2	8.7	9.4	9.9	8.8	9.3	10.6	9.6	10
9	7.2	6.6	6.8	10.0	8.9	9.4	9.6	8.9	9.2	9.8	9.6	9.7
10	7.4	6.6	6.8	10.6	9.0	9.6	9.4	9.0	9.1	10.6	9.6	10.2
11	7.5	6.4	6.8	10.7	9.2	9.7	9.4	8.9	9.1	10.9	10.4	10.7
12	7.3	6.8	7.0	10.7	9.3	9.9	10.2	8.8	9.3	10.9	10.5	10.7
13	7.5	6.7	7.0	10.9	9.2	9.8	10.6	9.2	9.7	10.8	10.2	10.5
14	7.4	6.4	6.8	11.3	9.5	10.1	9.9	9.4	9.7	10.7	10.3	10.5
15	7.4	6.3	6.6	11.4	9.6	10.3	9.6	9.2	9.4	10.6	10.2	10.4
16	7.2	6.0	6.4	12.1	9.8	10.9	9.6	9.2	9.4	10.7	10.2	10.4
17	6.9	5.9	6.0	11.6	10.7	11.0	9.7	9.0	9.2	11.0	10.4	10.7
18	7.1	5.9	6.3	11.3	10.3	10.9	10.3	9.0	9.4	11.3	10.6	10.9
19	7.2	6.0	6.6	12.5	10.6	11.4	10.5	8.9	9.4	11.6	10.7	11.3
20	7.7	6.6	7.0	11.8	11.0	11.4	10.7	8.9	9.5	11.6	11.1	11.3
21	7.8	6.4	6.9	11.6	10.8	11.1	10.8	9.0	9.6	11.4	11.2	11.3
22	8.2	6.2	7.3	11.2	10.7	10.9	10.9	9.2	9.8	11.6	11.1	11.3
23	8.4	7.1	7.5	11.3	10.7	10.9	9.8	9.3	9.5	11.5	11.0	11.2
24	8.5	7.2	7.7	11.2	10.5	10.8	10.9	9.4	9.8	11.9	10.9	11.3
25	8.1	7.6	7.8	11.3	10.4	10.8	10.5	9.4	9.8	12.0	10.9	11.4
26	8.7	7.7	7.9	11.2	10.3	10.7	10.9	9.4	9.9	12.0	11.0	11.5
27	8.6	7.7	8.1	10.7	10.3	10.5	11.1	9.5	10.0	12.3	11.2	11.6
28	10.3	8.2	9.2	10.6	9.9	10.3	11.0	9.5	9.9	11.6	11.2	11.4
29	---	---	---	10.7	9.6	9.9	10.8	9.4	9.9	11.7	11.3	11.4
30	---	---	---	9.7	8.1	8.8	11.2	9.5	10.1	12.0	11.4	11.6
31	---	---	---	9.7	8.0	8.6	---	---	---	11.9	11.4	11.6
MONTH	10.3	5.9	7.1	12.5	8.0	10.0	11.2	8.0	9.3	12.3	9.4	10.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.1	11.4	11.6	14.1	12.2	12.9	14.9	13.4	13.9	16.1	14.9	15.4
2	12.1	11.4	11.7	14.1	12.2	12.8	15.4	13.4	14.0	16.3	15.1	15.6
3	12.8	11.3	11.8	14.4	12.2	13.0	15.5	13.3	14.0	16.2	15.4	15.7
4	13.2	11.2	11.9	14.5	12.3	13.1	15.6	13.5	14.2	16.6	15.5	15.9
5	12.2	11.3	11.7	14.5	12.3	13.2	15.7	13.6	14.2	16.9	15.6	16.1
6	12.3	11.4	11.7	13.6	12.6	13.0	15.6	13.6	14.3	17.1	15.9	16.3
7	12.2	11.6	11.9	14.4	12.6	13.2	15.4	13.7	14.2	17.4	16.1	16.6
8	12.3	11.9	12.1	13.9	12.5	13.0	15.7	13.8	14.3	17.6	16.4	16.9
9	12.5	11.8	12.1	13.8	12.7	13.0	15.7	13.8	14.4	17.6	16.8	17.1
10	12.4	11.7	12.0	14.3	12.7	13.2	15.7	13.8	14.4	17.8	17.0	17.3
11	12.3	11.8	12.0	15.0	12.8	13.5	15.6	13.7	14.3	18.3	17.4	17.7
12	13.0	11.7	12.2	14.4	12.7	13.3	15.7	13.8	14.3	18.6	17.7	18.0
13	12.9	11.7	12.2	15.0	12.5	13.4	15.8	13.8	14.5	18.8	17.8	18.2
14	12.7	11.7	12.1	15.1	12.6	13.4	15.8	14.0	14.5	18.9	18.1	18.4
15	13.4	11.7	12.3	15.1	12.7	13.5	15.8	13.9	14.5	19.0	18.3	18.6
16	12.7	11.8	12.2	15.1	12.7	13.5	15.8	14.0	14.5	19.0	18.4	18.7
17	13.0	11.7	12.2	15.2	12.7	13.6	15.7	14.0	14.6	19.3	18.6	18.8
18	13.2	11.9	12.4	15.3	12.9	13.7	16.0	14.1	14.6	19.4	18.7	18.9
19	13.5	12.1	12.5	15.1	12.9	13.6	16.1	14.0	14.7	19.4	18.7	18.9
20	13.7	12.1	12.6	15.1	12.9	13.6	16.1	14.0	14.8	19.2	18.8	18.9
21	13.7	12.0	12.6	15.0	13.0	13.6	16.0	14.2	14.8	19.3	18.8	18.9
22	13.5	12.2	12.5	14.9	13.1	13.7	15.9	14.2	14.7	19.1	18.7	18.9
23	13.8	12.0	12.5	15.2	13.1	13.8	15.9	14.2	14.7	19.1	18.7	18.8
24	13.8	12.0	12.7	15.2	13.0	13.7	16.1	14.2	14.8	19.1	18.5	18.7
25	14.1	12.1	12.8	15.3	13.0	13.8	16.4	14.3	14.9	18.8	18.2	18.4
26	13.1	12.2	12.6	15.4	13.1	13.9	16.4	14.3	14.9	18.7	18.0	18.2
27	13.1	12.3	12.6	15.4	13.2	13.9	16.4	14.1	14.9	18.6	18.1	18.3
28	13.5	12.4	12.8	15.4	13.2	13.9	16.4	14.3	15.0	18.6	18.1	18.2
29	14.1	12.4	12.9	15.4	13.3	13.9	15.4	14.4	14.9	18.5	18.0	18.2
30	14.3	12.3	13.0	15.4	13.3	14.0	15.8	14.8	15.1	18.4	18.1	18.2
31	---	---	---	15.4	13.4	14.1	16.0	14.8	15.3	---	---	---
MONTH	14.3	11.2	12.3	15.4	12.2	13.5	16.4	13.3	14.6	19.4	14.9	17.8
YEAR	19.4	3.9	11.2									

14154500 ROW RIVER ABOVE PITCHER CREEK, NEAR DORENA, OR

LOCATION.--Lat 43°44'10", long 122°52'20", in NE 1/4 sec.24, T.21 S., R.2 W., Lane County, Hydrologic Unit 17090002, on right bank 0.5 mi upstream from Pitcher Creek, 1.2 mi northwest of Dorena and at mile 13.2.

DRAINAGE AREA.--211 mi^2.

PERIOD OF RECORD.--September 1935 to current year. Prior to October 1949, published as "at Star."

GAGE.--Water-stage recorder. Datum of gage is 856.16 ft above NGVD of 1929. Sept. 16, 1935 to Oct. 17, 1938, nonrecording gage at site 450 ft upstream at datum 1.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Slight regulation caused by upstream logponds. No diversions upstream from station.

AVERAGE DISCHARGE.--70 years (water years 1936-2005), 588 ft^3/s, 37.88 in/yr, 426,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,100 ft^3/s Dec. 22, 1964, gage height, 18.19 ft, from rating curve extended above 12,000 ft^3/s, on basis of slope-area measurement of peak flow; minimum discharge, 9.7 ft^3/s Sept. 4-6, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 9	1200	*10,800	*10.68	No other peak greater than base discharge.			

Minimum daily discharge, 24 ft^3/s Sept. 30.

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	45	356	185	224	128	134	1,100	265	397	105	e42	e28
2	43	300	234	231	119	122	1,090	282	521	99	e41	e27
3	42	952	202	206	113	111	890	244	477	94	e40	e27
4	40	630	178	192	111	104	1,020	264	398	89	e39	e27
5	38	437	165	177	130	97	963	290	369	85	e38	e27
6	39	321	215	164	117	92	854	562	526	84	e37	e26
7	44	245	1,350	169	143	88	996	812	733	84	e37	e26
8	45	197	4,140	190	125	84	1,230	871	697	80	e36	e26
9	112	165	8,450	193	115	81	1,260	1,200	563	84	e35	e26
10	79	140	4,080	201	108	80	1,070	2,830	450	87	e34	e33
11	59	122	1,950	229	105	78	1,190	2,460	449	82	e34	e52
12	51	108	1,270	208	104	77	1,160	1,520	491	76	e33	e39
13	47	101	901	192	253	74	921	1,040	430	73	e32	e34
14	44	93	988	185	255	70	775	769	368	70	e32	e32
15	41	87	853	229	208	68	692	645	319	68	e31	e29
16	40	87	680	570	179	67	687	1,030	286	65	e31	e30
17	68	81	549	667	156	79	1,080	1,570	292	63	e30	e35
18	415	89	458	1,050	142	80	1,050	1,700	275	e62	e30	e33
19	365	102	394	857	137	83	914	1,940	248	e58	e30	e31
20	212	87	343	633	309	100	753	1,310	227	e55	e30	e29
21	185	80	299	493	415	134	632	1,020	199	e53	e29	e28
22	236	77	267	397	334	138	568	845	185	e53	e29	e27
23	1,250	74	239	340	269	151	567	692	172	e51	e28	e28
24	851	74	216	295	222	232	549	577	155	e49	e28	e27
25	453	111	200	257	191	289	504	487	140	e48	e28	e27
26	337	243	250	233	171	271	444	412	129	e47	e28	e26
27	316	184	225	214	152	2,600	404	355	127	e47	e27	e26
28	258	161	203	193	144	2,980	368	334	145	e46	e27	e25
29	194	136	207	172	---	2,890	320	496	129	e45	e27	e25
30	209	137	219	150	---	1,820	280	448	114	e44	e27	e24
31	430	---	210	139	---	1,150	---	379	---	e43	e28	---
TOTAL	6,588	5,977	30,120	9,650	4,955	14,424	24,331	27,649	10,011	2,089	998	880
MEAN	213	199	972	311	177	465	811	892	334	67.4	32.2	29.3
MAX	1,250	952	8,450	1,050	415	2,980	1,260	2,830	733	105	42	52
MIN	38	74	165	139	104	67	280	244	114	43	27	24
AC-FT	13,070	11,860	59,740	19,140	9,830	28,610	48,260	54,840	19,860	4,140	1,980	1,750
CFSM	1.01	0.94	4.60	1.48	0.84	2.21	3.84	4.23	1.58	0.32	0.15	0.14
IN.	1.16	1.05	5.31	1.70	0.87	2.54	4.29	4.87	1.76	0.37	0.18	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2005, BY WATER YEAR (WY)

MEAN	154	735	1,170	1,162	1,067	979	825	570	269	74.2	37.0	45.0
MAX	1,152	2,569	4,114	2,606	2,322	2,168	2,161	1,333	847	236	107	259
(WY)	(1951)	(1974)	(1965)	(1971)	(1986)	(1972)	(1937)	(1963)	(1993)	(1983)	(1976)	(1978)
MIN	12.8	19.2	58.0	86.0	81.1	159	290	116	52.1	26.3	15.0	15.4
(WY)	(1988)	(1937)	(1977)	(1977)	(1977)	(1992)	(1941)	(1987)	(1987)	(1940)	(1940)	(2001)

14154500 ROW RIVER ABOVE PITCHER CREEK, NEAR DORENA, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936 - 2005	
ANNUAL TOTAL	198,155		137,672			
ANNUAL MEAN	541		377		588	
HIGHEST ANNUAL MEAN					1,008	1974
LOWEST ANNUAL MEAN					233	1977
HIGHEST DAILY MEAN	8,450	Dec 9	8,450	Dec 9	23,800	Dec 22, 1964
LOWEST DAILY MEAN	23	Aug 18	24	Sep 30	10	Sep 5, 2003
ANNUAL SEVEN-DAY MINIMUM	24	Aug 15	26	Sep 24	11	Oct 21, 1987
ANNUAL RUNOFF (AC-FT)	393,000		273,100		426,200	
ANNUAL RUNOFF (CFSM)	2.57		1.79		2.79	
ANNUAL RUNOFF (INCHES)	34.94		24.27		37.88	
10 PERCENT EXCEEDS	1,390		973		1,420	
50 PERCENT EXCEEDS	270		172		271	
90 PERCENT EXCEEDS	39		30		27	

e Estimated

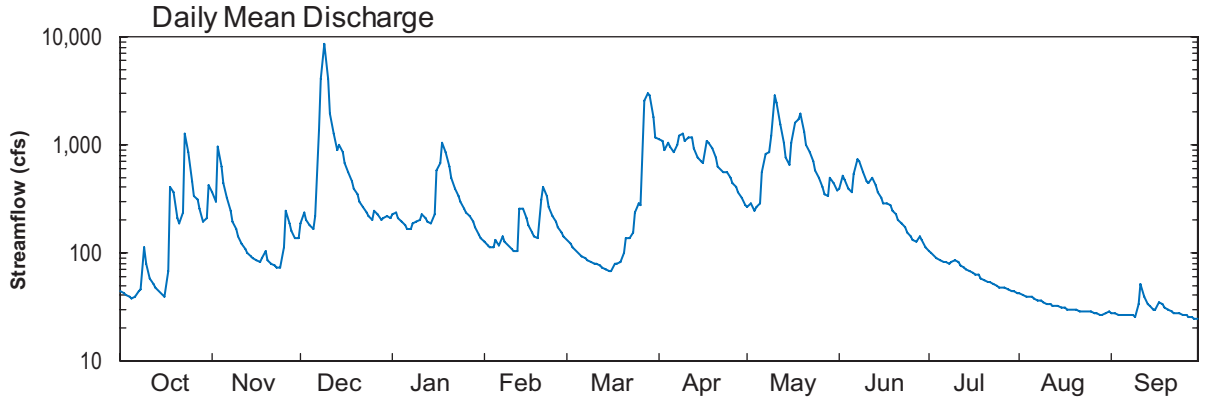
2005 Water Year

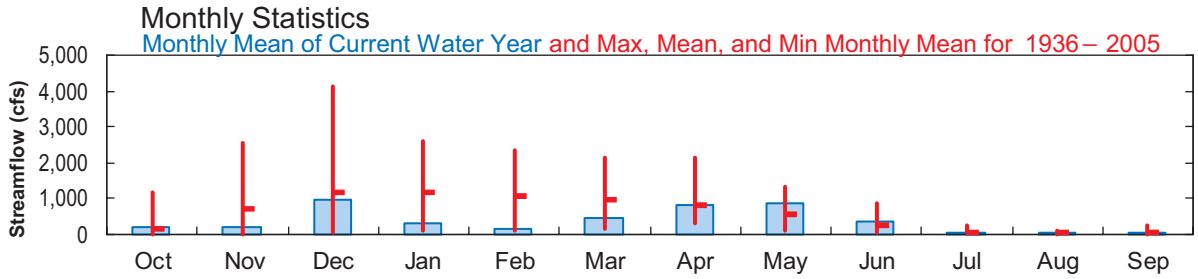
WILLAMETTE RIVER BASIN

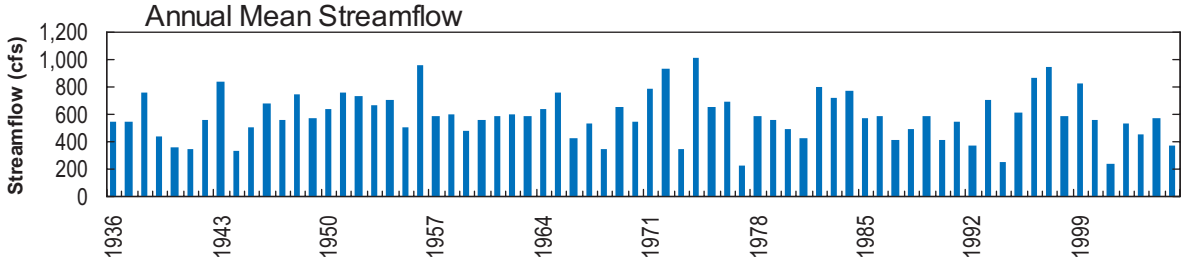
14154500 ROW RIVER ABOVE PITCHER CREEK, NEAR DORENA, OR

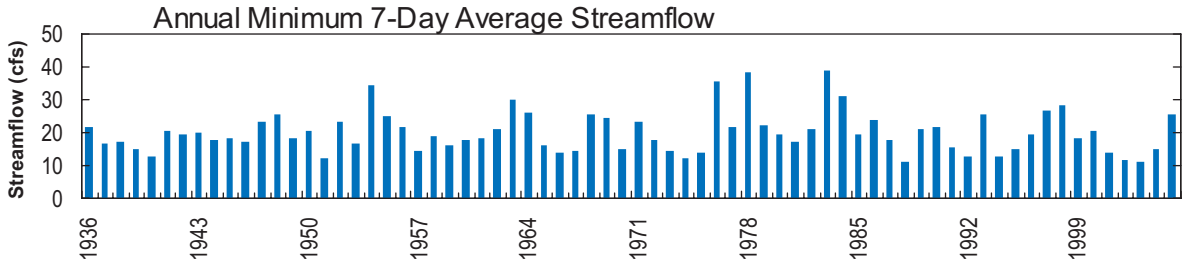
Latitude: 43° 44 ' 10" Longitude: 122° 52 ' 20" Hydrologic Unit Code: 17090002

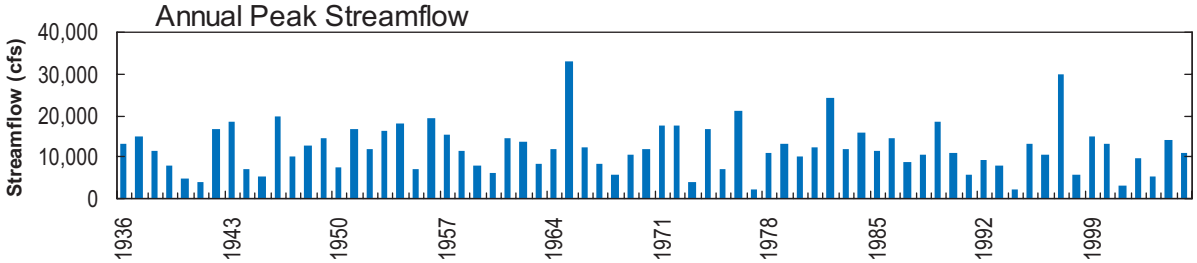
Lane County Datum: 856.16 feet Drainage Area: 211 mi^2











14155500 ROW RIVER NEAR COTTAGE GROVE, OR

LOCATION.--Lat 43°47'35", long 122°59'25", in NE 1/4 sec.36, T.20 S., R.3 W., Lane County, Hydrologic Unit 17090002, on right bank 1.7 mi upstream from Mosby Creek, 2.1 mi downstream from Dorena Dam, 3.5 mi east of Cottage Grove and at mile 5.5.

DRAINAGE AREA.--270 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year. Prior to October 1947, published as "near Dorena."

GAGE.--Water-stage recorder. Datum of gage is 685.24 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Jan. 5 to Oct. 12, 1939, nonrecording gage at site 180 ft upstream at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since October 1949 by Dorena Lake (station 14155000). No diversion upstream from station.

AVERAGE DISCHARGE.--66 years (water years 1940-2005), 732 ft^3/s, 36.82 in/yr, 530,300 acre-ft/yr, adjusted for storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,400 ft^3/s Dec. 28, 1945, gage height, 18.20 ft; minimum discharge, 0.20 ft^3/s Sept. 25 to Oct. 7, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,040 ft^3/s Dec. 12, gage height, 7.30 ft; minimum discharge, 85 ft^3/s Nov. 11-15.

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	552	1,260	250	246	189	194	160	231	581	189	208	200
2	608	894	250	280	189	189	159	204	638	189	208	200
3	606	460	250	301	189	189	161	204	615	156	208	200
4	616	503	250	270	189	187	166	234	433	107	208	200
5	663	627	249	233	189	159	651	314	369	107	208	200
6	681	620	253	223	188	146	1,110	270	382	107	208	200
7	702	611	859	222	188	144	1,570	181	956	107	207	199
8	698	608	1,270	224	186	110	1,600	181	926	107	206	247
9	693	631	2,180	225	185	101	1,600	205	776	107	204	297
10	686	384	3,610	225	185	98	1,590	1,950	579	107	204	298
11	705	118	3,950	283	185	98	1,580	3,890	529	107	204	297
12	707	85	3,940	401	186	98	1,140	3,550	528	107	204	297
13	701	85	3,880	289	189	98	674	1,960	484	107	204	294
14	705	85	3,930	250	189	98	617	1,340	363	107	204	296
15	712	87	3,860	250	189	98	617	881	337	107	204	310
16	704	87	2,170	282	189	99	617	908	338	107	204	308
17	720	87	965	376	189	101	619	1,850	337	107	204	306
18	713	88	816	948	189	101	462	1,490	338	107	204	306
19	1,050	87	668	985	190	101	170	1,750	337	107	204	306
20	1,110	87	601	599	196	100	250	1,860	337	107	204	305
21	1,180	87	451	511	197	113	379	1,580	264	156	204	303
22	1,590	87	301	400	197	169	386	1,290	202	213	204	265
23	1,200	87	301	395	205	177	576	876	189	213	204	522
24	707	87	261	356	208	186	601	498	189	212	203	521
25	251	90	250	195	205	189	601	469	189	211	202	517
26	192	198	269	185	204	189	601	467	189	210	200	514
27	348	254	333	116	204	207	544	395	190	210	200	558
28	703	254	331	192	204	198	498	378	189	209	200	555
29	1,220	251	329	193	---	201	392	380	189	208	200	548
30	1,360	250	291	191	---	172	270	549	189	208	200	545
31	1,320	---	246	189	---	159	---	590	---	208	200	---
TOTAL	24,403	9,139	37,564	10,035	5,392	4,469	20,361	30,925	12,162	4,611	6,326	10,114
MEAN	787	305	1,212	324	193	144	679	998	405	149	204	337
MAX	1,590	1,260	3,950	985	208	207	1,600	3,890	956	213	208	558
MIN	192	85	246	116	185	98	159	181	189	107	200	199
AC-FT	48,400	18,130	74,510	19,900	10,700	8,860	40,390	61,340	24,120	9,150	12,550	20,060
MEAN†	318	222	1,209	377	238	542	1,076	1,177	386	71.1	11.9	37.0
CFSM†	1.18	0.82	4.46	1.40	0.88	2.01	3.99	4.36	1.43	0.26	0.044	0.14
IN.†	1.36	0.92	5.14	1.61	0.92	2.32	4.45	5.03	1.60	0.30	0.05	0.15
AC-FT†	19,520	13,180	74,020	23,190	13,200	33,330	64,060	72,390	22,990	4,370	730	2,200

CAL YR2004 TOTAL 242,278 MEAN 662 MAX 3,950 MIN 77 AC-FT 480,600 MEAN† 662 CFSM† 2.45 IN.† 33.31 AC-FT† 479,600
WTR YR2005 TOTAL 175,501 MEAN 481 MAX 3,950 MIN 85 AC-FT 348,100 MEAN† 474 CFSM† 1.76 IN.† 23.84 AC-FT† 343,200

† Adjusted for change in contents, in Dorena Lake.

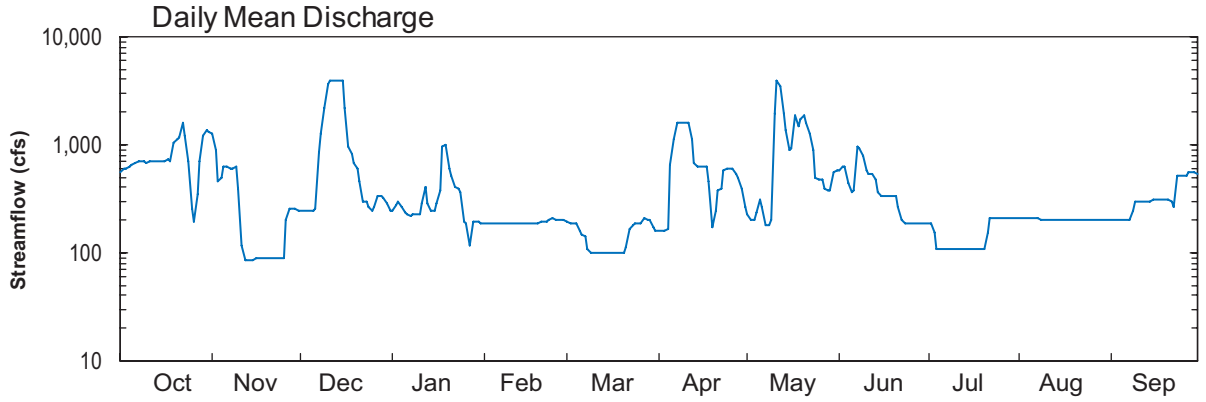
2005 Water Year

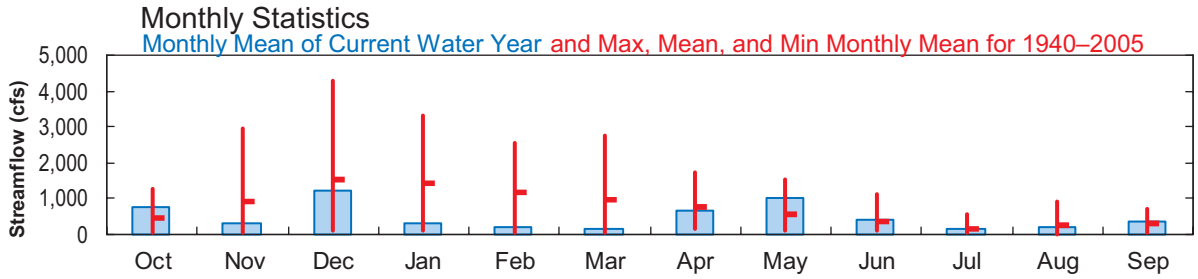
WILLAMETTE RIVER BASIN

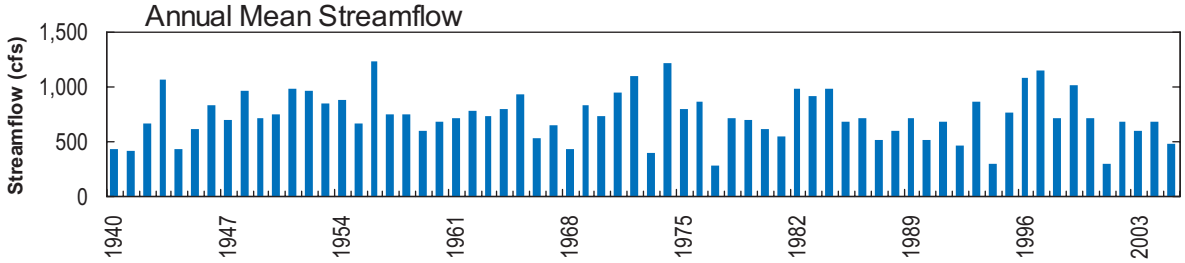
14155500 ROW RIVER NEAR COTTAGE GROVE, OR

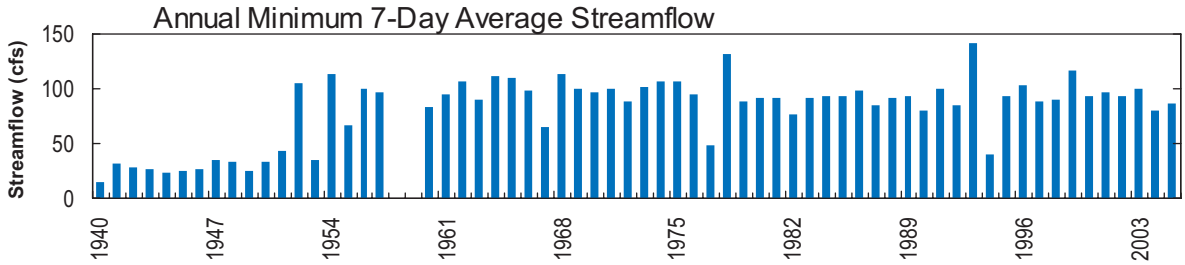
Latitude: 43° 47 ' 35" Longitude: 122° 59 ' 25" Hydrologic Unit Code: 17090002

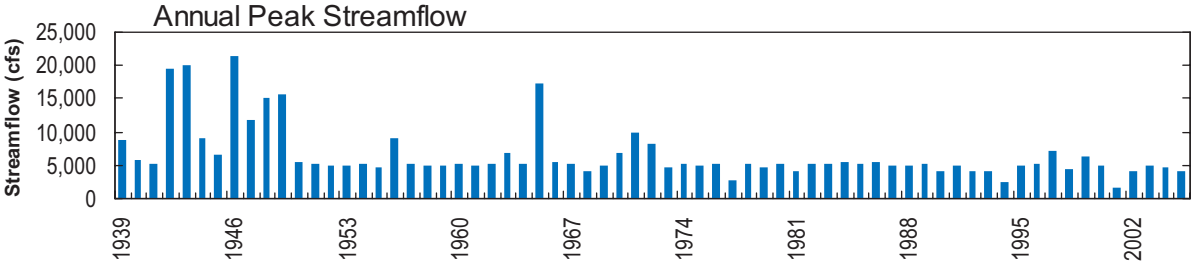
Lane County Datum: 685.24 feet Drainage Area: 270 mi²











WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 2001 to current year.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURE: Maximum, 22.4°C Sept. 10, 11, 13, 2003; minimum, 4.6°C Jan. 7-9 2005

EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURE: Maximum, 19.3°C Oct. 2, Sept. 25, 27; minimum, 3.5°C Jan.7-9.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.2	17.9	18.4	11.4	10.9	11.3	7.2	6.6	6.9	5.5	5.1	5.3
2	19.3	18.3	18.6	10.9	10.1	10.7	6.8	6.4	6.6	5.3	5.0	5.1
3	19.2	18.3	18.6	10.4	9.6	10.0	6.4	6.2	6.3	5.1	4.8	5.0
4	19.2	18.3	18.6	9.9	9.1	9.5	6.3	6.0	6.1	5.1	4.6	4.8
5	19.2	18.4	18.6	9.4	8.5	8.9	6.5	5.9	6.1	4.8	4.4	4.6
6	19.0	18.5	18.7	9.0	8.2	8.5	6.2	5.9	6.0	5.0	4.2	4.5
7	19.1	18.4	18.7	8.8	8.2	8.4	6.4	5.7	5.9	4.3	3.5	3.8
8	18.9	18.3	18.5	8.9	8.2	8.4	7.4	6.3	6.8	4.0	3.5	3.7
9	18.9	18.3	18.5	8.7	8.1	8.4	8.3	7.2	7.9	4.3	3.5	3.8
10	18.7	17.7	18.2	9.2	8.5	8.7	8.6	8.2	8.4	4.2	3.7	3.9
11	18.3	17.5	17.9	9.2	8.5	8.7	8.7	8.5	8.6	4.3	3.8	3.9
12	17.9	17.3	17.6	9.8	8.5	9.0	8.7	8.5	8.6	4.2	3.8	4.0
13	18.0	17.2	17.5	9.8	8.9	9.2	8.8	8.6	8.7	4.5	3.9	4.1
14	17.9	17.1	17.4	10.2	8.7	9.2	9.0	8.7	8.8	4.5	3.9	4.2
15	17.9	17.2	17.4	9.7	8.8	9.3	8.9	8.5	8.8	4.3	4.0	4.1
16	17.6	17.2	17.4	10.1	8.7	9.4	8.5	7.8	8.3	4.7	4.0	4.3
17	17.3	16.9	17.2	9.7	8.4	8.9	8.0	7.4	7.8	6.1	4.4	5.0
18	17.0	16.6	16.9	9.7	8.5	9.0	7.7	7.4	7.5	7.2	6.1	6.6
19	16.6	15.5	16.2	9.6	8.3	8.9	7.7	7.4	7.5	7.2	6.8	7.0
20	15.5	15.1	15.3	8.7	8.2	8.4	7.5	7.0	7.3	7.3	6.8	7.0
21	15.3	15.0	15.2	8.6	7.5	8.1	7.2	6.8	7.0	7.4	6.7	6.9
22	15.4	15.0	15.2	8.7	7.4	7.9	7.3	6.9	7.0	7.3	6.7	7.0
23	15.0	13.2	14.4	8.5	7.7	8.1	7.0	6.6	6.8	7.2	6.6	6.9
24	13.2	11.6	12.4	8.6	7.7	8.1	6.7	6.1	6.4	7.2	6.5	6.7
25	12.0	11.1	11.5	8.2	7.2	7.7	6.6	5.9	6.2	6.9	6.2	6.5
26	11.6	10.5	11.0	8.0	7.0	7.6	6.1	5.8	6.0	7.1	6.2	6.6
27	10.7	10.4	10.5	8.1	7.5	7.7	6.0	5.6	5.8	7.9	6.5	7.1
28	11.2	10.6	10.9	7.8	7.2	7.5	5.9	5.4	5.6	7.7	6.7	7.2
29	11.6	10.7	11.3	7.5	6.9	7.1	5.7	5.5	5.6	7.8	6.7	7.3
30	11.7	11.3	11.6	7.2	6.9	7.0	5.8	5.3	5.5	7.7	6.5	6.9
31	11.9	11.3	11.6	---	---	---	5.9	5.2	5.4	7.7	6.6	6.9
MONTH	19.3	10.4	15.9	11.4	6.9	8.7	9.0	5.2	7.0	7.9	3.5	5.5

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	6.5	6.8	9.1	7.4	8.0	9.3	8.0	8.5	10.8	8.9	9.5
2	7.7	6.2	6.7	9.2	7.7	8.3	9.6	7.8	8.5	11.2	8.9	9.7
3	7.6	6.4	6.7	9.9	7.6	8.4	8.7	7.9	8.3	11.7	8.6	9.7
4	7.1	6.3	6.7	9.3	8.1	8.5	9.9	7.9	8.5	11.1	9.1	9.6
5	7.6	6.4	6.8	10.0	7.7	8.5	8.7	8.0	8.4	9.6	9.1	9.3
6	6.9	6.4	6.6	10.8	7.7	8.8	8.8	8.2	8.4	9.9	9.1	9.4
7	7.5	6.1	6.6	11.1	8.1	9.1	8.7	8.2	8.5	11.2	9.1	9.8
8	7.0	6.1	6.4	11.6	8.1	9.3	8.6	8.2	8.4	10.5	9.1	9.6
9	6.8	6.1	6.4	11.2	8.2	9.3	8.8	8.3	8.5	9.5	9.1	9.3
10	7.3	5.9	6.4	11.8	8.3	9.6	9.1	8.5	8.7	10.1	9.1	9.6
11	7.3	5.6	6.2	12.0	8.5	9.7	9.0	8.4	8.7	10.2	9.8	10.0
12	6.5	5.9	6.2	12.2	8.7	9.9	9.0	8.3	8.6	10.2	9.9	10.1
13	7.1	5.9	6.3	12.0	8.4	9.7	9.0	8.1	8.5	10.4	9.9	10.1
14	7.1	5.6	6.2	12.3	8.5	9.9	9.4	8.3	8.7	10.4	9.9	10.2
15	7.0	5.5	5.9	12.5	8.7	10.1	8.9	8.2	8.5	10.3	9.9	10.1
16	7.0	5.4	5.9	10.9	9.2	9.9	8.8	8.3	8.5	10.5	9.8	10.2
17	6.9	5.2	5.6	11.6	9.8	10.4	9.0	8.2	8.4	10.6	10.3	10.4
18	7.0	5.4	5.9	11.8	9.9	10.7	9.7	8.0	8.6	11.1	10.3	10.6
19	6.9	5.5	6.2	12.0	10.2	10.8	11.2	7.8	8.9	10.9	10.2	10.6
20	7.4	6.1	6.5	11.2	10.0	10.5	11.3	7.9	8.9	11.0	10.6	10.8
21	7.8	6.0	6.7	11.9	10.2	10.8	10.2	8.2	8.9	10.8	10.6	10.7
22	8.1	6.2	6.8	11.4	10.3	10.7	10.4	8.2	9.0	11.3	10.5	10.9
23	8.2	6.0	6.8	11.7	10.4	10.8	8.9	8.5	8.7	11.7	10.6	11.0
24	8.4	6.3	7.1	11.7	10.3	10.7	9.7	8.5	8.9	12.2	10.4	11.2
25	7.9	7.0	7.3	11.4	10.0	10.5	9.5	8.5	8.8	12.5	10.6	11.3
26	8.8	6.9	7.5	10.4	9.6	10	9.9	8.5	9.0	12.6	10.7	11.5
27	9.2	7.1	7.9	9.8	9.1	9.6	10.2	8.7	9.2	12.9	10.8	11.6
28	8.7	7.2	7.8	9.4	8.7	9.0	9.9	8.8	9.2	11.4	10.9	11.0
29	---	---	---	10.0	8.2	9.0	10.1	8.9	9.2	11.7	10.8	11.1
30	---	---	---	9.9	8.0	8.8	11.2	8.9	9.6	11.7	10.9	11.2
31	---	---	---	10.9	7.9	8.9	---	---	---	11.6	10.9	11.2
MONTH	9.2	5.2	6.6	12.5	7.4	9.6	11.3	7.8	8.7	12.9	8.6	10.4
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	11.0	11.2	14.8	11.9	12.7	14.9	12.5	13.4	16.6	13.6	14.7
2	11.9	11.0	11.3	14.6	11.6	12.6	15.7	12.5	13.6	16.3	13.7	14.6
3	12.3	11.0	11.5	15.8	11.5	13.2	15.8	12.3	13.6	15.8	13.8	14.5
4	13.0	11.0	11.6	16.8	11.4	13.5	15.9	12.6	13.8	16.3	13.7	14.6
5	11.8	11.0	11.3	16.8	11.6	13.7	15.9	12.7	13.8	16.4	13.6	14.6
6	11.9	11.1	11.3	14.4	12.2	12.9	16.0	12.6	13.9	16.5	13.6	14.7
7	12.0	11.1	11.4	16.3	12.0	13.5	15.8	12.7	13.8	16.7	13.8	14.8
8	12.2	11.2	11.6	14.6	11.7	12.8	16.0	12.7	13.9	16.2	13.9	14.8
9	12.5	11.2	11.8	14.7	12.1	13.0	16.0	12.7	13.9	15.8	14.4	14.8
10	12.1	11.3	11.7	14.6	12.1	13.0	15.9	12.7	13.9	15.5	14.5	14.8
11	11.9	11.3	11.5	16.9	12.1	13.8	16.0	12.7	13.9	16.1	14.4	15.0
12	12.7	11.2	11.7	15.5	12.2	13.4	16.0	12.8	13.9	16.4	14.3	15.1
13	12.8	11.3	11.8	16.7	12.0	13.7	16.2	12.9	14.1	16.4	14.4	15.2
14	12.3	11.3	11.6	17.1	11.8	13.8	16.2	12.9	14.1	16.7	14.6	15.4
15	13.2	11.1	11.9	17.2	11.9	14.0	16.2	12.9	14.2	16.6	14.9	15.5
16	12.2	11.3	11.7	17.1	11.9	13.9	16.1	13.0	14.1	16.4	15.0	15.5
17	12.6	11.3	11.7	17.4	11.8	14.0	16.1	13.1	14.1	16.8	15.4	15.8
18	12.9	11.4	11.9	17.6	12.1	14.2	16.2	13.2	14.2	17.1	15.3	15.9
19	13.3	11.4	12.0	17.0	12.1	14.0	16.4	13.1	14.3	17.4	15.4	16.2
20	13.7	11.4	12.3	17.1	11.8	13.9	16.4	13.2	14.4	17.5	15.8	16.4
21	14.1	11.4	12.4	15.4	11.9	13.1	16.1	13.3	14.3	17.9	16.0	16.7
22	14.2	11.5	12.4	15.2	12.4	13.3	15.8	13.3	14.3	18.2	16.3	17.1
23	14.8	11.4	12.5	15.5	12.3	13.3	16.1	13.2	14.2	19.1	17.4	18.3
24	15.0	11.3	12.7	15.4	12.1	13.3	16.3	13.0	14.3	19.2	18.1	18.5
25	15.1	11.6	12.8	15.5	12.0	13.4	16.4	13.3	14.4	19.3	18.1	18.5
26	13.0	11.7	12.2	15.7	12.1	13.5	16.4	13.4	14.4	19.2	18.0	18.5
27	12.9	11.8	12.2	15.7	12.3	13.6	16.5	13.3	14.5	19.3	18.2	18.5
28	14.5	11.8	12.6	15.7	12.4	13.6	16.5	13.3	14.5	19.2	18.1	18.5
29	15.1	11.6	12.8	15.7	12.4	13.6	15.1	13.6	14.2	19.1	18.0	18.5
30	15.3	11.6	13.0	15.8	12.3	13.7	16.4	13.5	14.5	18.9	18.2	18.5
31	---	---	---	15.8	12.5	13.7	16.5	13.5	14.6	---	---	---
MONTH	15.3	11.0	11.9	17.6	11.4	13.5	16.5	12.3	14.1	19.3	13.6	16.1
YEAR	19.3	3.5	10.7									

14157500 COAST FORK WILLAMETTE RIVER NEAR GOSHEN, OR

LOCATION.--Lat 43°58'50", long 122°57'55", in NW ¼ sec.29, T.18 S., R.2 W., Lane County, Hydrologic Unit 17090002, on right bank at downstream side of bridge on State Highway 58, 2.5 mi southeast of Goshen and at mile 6.4.

DRAINAGE AREA.--642 mi^2.

PERIOD OF RECORD.--August 1905 to February 1912, October 1950 to current year. Monthly discharge only for some periods, published in WSP 1318.

REVISED RECORDS.--WSP 1218: Drainage area. WSP 1248: 1905-12. WSP 1935: 1956.

GAGE.--Water-stage recorder. Datum of gage is 473.80 ft above NGVD of 1929. Aug. 23, 1905 to Feb. 7, 1912, nonrecording gage at site 600 ft upstream at different datum.

REMARKS.--Records good. Flow regulated since 1942 by Cottage Grove Lake (station 14153000) and since 1949 by Dorena Lake (station 14155000). Several small diversions for logponds and irrigation upstream from station. Continuous water-quality records for the period October 1961 to September 1975 have been collected at this location. Periodic suspended sediment data are available for the period October 1991 to September 1993.

AVERAGE DISCHARGE.--61 years (water years 1906-11, 1951-2005), 1,564 ft^3/s, 1,133,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,500 ft^3/s Nov. 22, 1909, gage height, 19.5 ft, site and datum then in use, from rating curve extended above 15,000 ft^3/s; minimum discharge, 36 ft^3/s Sept. 29, 30, Oct. 11, 12, 1908.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,490 ft^3/s Dec. 9, gage height, 9.68 ft; minimum discharge, 183 ft^3/s Nov. 25, July 20, 21.

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	883	1,780	334	727	331	409	1,380	573	1,230	345	253	304
2	940	1,300	348	765	330	379	1,240	496	1,310	332	253	301
3	939	1,230	346	729	324	360	1,110	475	1,190	326	249	302
4	934	e910	342	722	325	352	1,250	500	939	249	248	302
5	997	1,030	339	661	328	331	1,640	720	747	239	244	298
6	1,030	954	379	588	323	296	2,060	830	782	230	244	294
7	1,100	904	1,980	615	337	287	2,690	865	1,520	219	245	296
8	1,130	859	4,120	837	329	262	3,390	853	1,950	217	243	305
9	1,220	871	7,280	929	318	237	3,240	1,290	1,700	217	242	387
10	1,160	763	6,910	846	313	221	2,990	4,500	1,220	221	240	399
11	1,130	255	6,390	831	308	217	3,230	7,510	1,060	222	239	401
12	1,130	207	5,880	1,110	317	209	2,840	6,390	994	216	234	399
13	1,110	201	5,130	952	807	202	2,210	3,980	898	212	235	396
14	1,110	196	5,000	751	647	201	1,850	2,770	739	207	232	387
15	1,130	191	4,780	688	524	199	1,740	1,970	644	205	233	409
16	1,120	195	3,460	788	462	199	1,710	1,990	628	198	231	414
17	1,170	193	2,010	848	425	220	1,650	3,450	633	195	230	422
18	1,260	190	1,470	1,570	402	225	1,620	3,470	612	192	230	421
19	1,500	198	1,300	1,690	392	233	1,050	4,000	628	188	228	413
20	1,610	199	1,110	1,240	970	252	924	3,940	597	185	228	468
21	1,570	197	972	896	944	277	1,010	3,390	540	184	226	512
22	2,060	194	680	728	738	376	926	2,970	445	267	227	463
23	1,990	189	620	655	627	443	1,060	2,240	399	269	225	657
24	1,530	186	763	613	557	673	1,170	1,520	388	270	226	727
25	919	187	795	448	505	732	1,160	1,280	404	266	223	723
26	580	227	813	373	472	650	1,110	1,190	375	263	217	718
27	699	338	791	327	444	1,650	1,030	1,060	383	262	218	785
28	1,400	331	781	324	434	3,220	916	944	388	261	219	824
29	1,780	322	762	358	---	4,090	845	1,160	380	254	221	822
30	2,020	324	674	344	---	2,900	618	1,300	358	255	267	808
31	2,050	---	e560	328	---	1,710	---	1,290	---	255	305	---
TOTAL	39,201	15,121	67,119	23,281	13,233	22,012	49,659	68,916	24,081	7,421	7,355	14,357
MEAN	1,265	504	2,165	751	473	710	1,655	2,223	803	239	237	479
MAX	2,060	1,780	7,280	1,690	970	4,090	3,390	7,510	1,950	345	305	824
MIN	580	186	334	324	308	199	618	475	358	184	217	294
AC-FT	77,760	29,990	133,100	46,180	26,250	43,660	98,500	136,700	47,760	14,720	14,590	28,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

MEAN	792	1,895	3,316	3,516	2,730	2,174	1,566	1,073	585	250	352	541
MAX	3,119	6,305	9,820	7,814	6,891	5,716	4,020	3,285	2,424	588	1,115	1,057
(WY)	(1951)	(1974)	(1965)	(1909)	(1961)	(1957)	(1963)	(1963)	(1993)	(1957)	(1955)	(1978)
MIN	147	121	196	200	203	385	460	247	129	90.3	49.7	63.5
(WY)	(1911)	(1953)	(1977)	(1977)	(1977)	(1992)	(1987)	(1987)	(1987)	(1910)	(1910)	(1910)

14157500 COAST FORK WILLAMETTE RIVER NEAR GOSHEN, OR—Continued

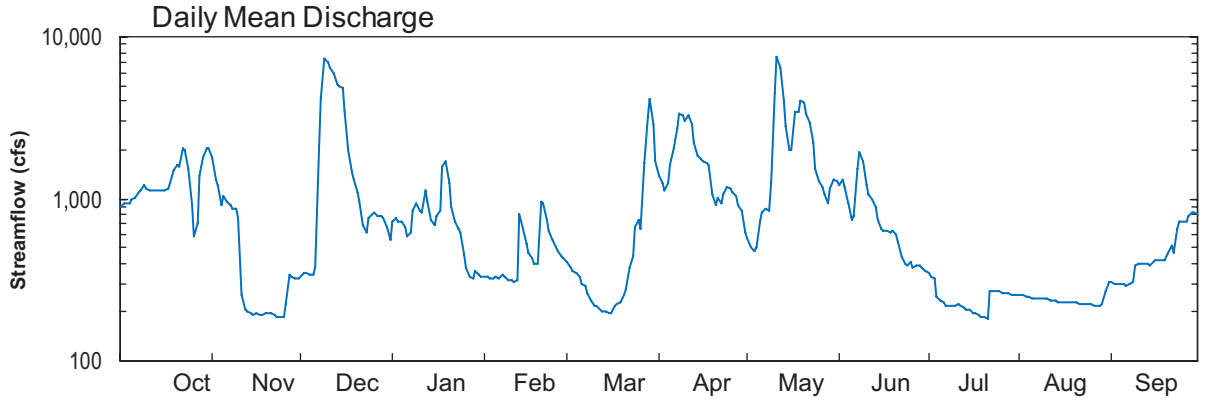
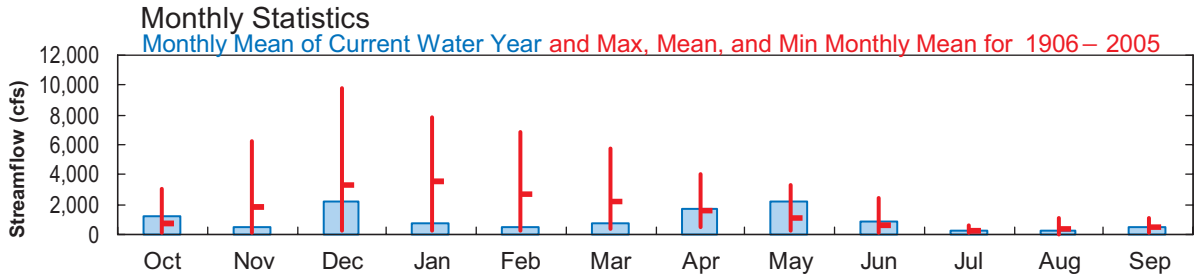
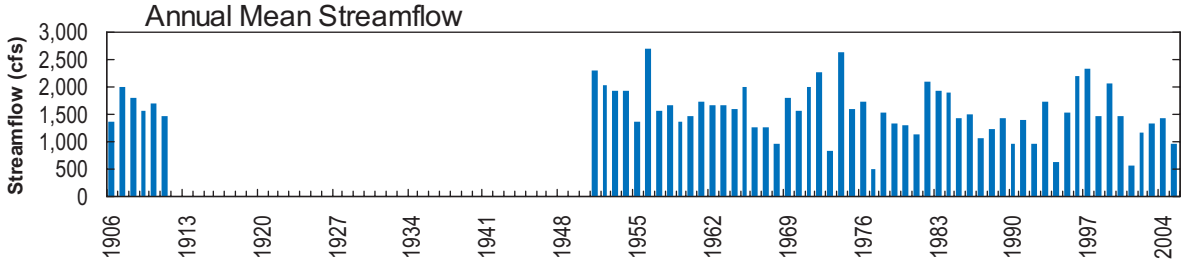
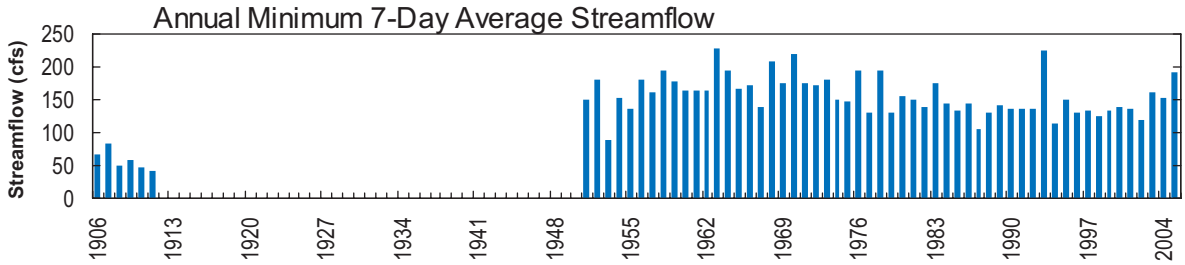
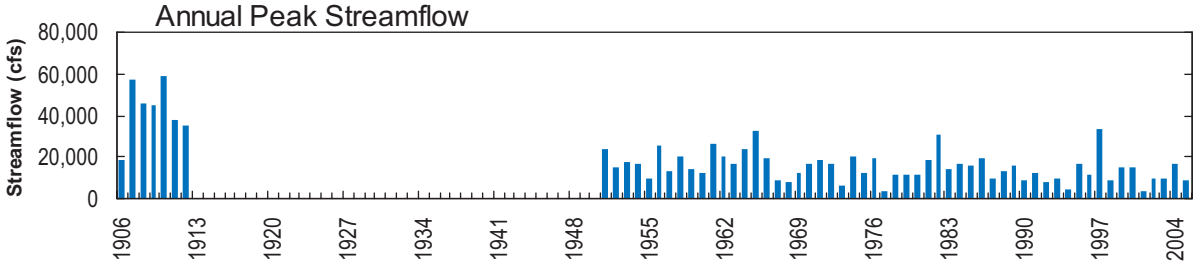
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	481,584		351,756			
ANNUAL MEAN	1,316		964		1,564	
HIGHEST ANNUAL MEAN					2,701	1956
LOWEST ANNUAL MEAN					512	1977
HIGHEST DAILY MEAN	7,280	Dec 9	7,510	May 11	36,500	Jan 4, 1907
LOWEST DAILY MEAN	155	Jul 23	184	Jul 21	36	Sep 29, 1908
ANNUAL SEVEN-DAY MINIMUM	164	Jul 18	192	Jul 15	42	Aug 28, 1911
ANNUAL RUNOFF (AC-FT)	955,200		697,700		1,133,000	
10 PERCENT EXCEEDS	3,380		2,000		4,100	
50 PERCENT EXCEEDS	700		615		733	
90 PERCENT EXCEEDS	201		220		175	

e Estimated

2005 Water Year

WILLAMETTE RIVER BASIN

14157500 COAST FORK WILLAMETTE RIVER NEAR GOSHEN, OR

Latitude: 43° 58 ' 50" Longitude: 122° 57 ' 55" Hydrologic Unit Code: 17090002

Lane County Datum: 473.80 feet Drainage Area: 642 mi²