

14332000 SOUTH FORK ROGUE RIVER NEAR PROSPECT, OR

Southern Oregon Coastal Basin
Upper Rogue Subbasin

LOCATION.--Lat 42°42'30", long 122°23'30" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.7, T.33 S., R.4 E., Jackson County, OR, Hydrologic Unit 17100307, Rogue River National Forest, on left bank, 0.3 mi downstream from South Fork dam and intake of South Fork power canal, 0.31 mi downstream from Imnaha Creek, 5.6 mi southeast of Prospect and at mile 10.2.

DRAINAGE AREA.--83.80 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1924 to September 1931, October 1949 to current year. Equivalent records for period October 1931 to September 1949 may be obtained by combining flow of South Fork Rogue River above Imnaha Creek, near Prospect and Imnaha Creek near Prospect. Records prior to September 1983 (published as station 14332001) included flow of South Fork power canal.

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

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

REMARKS.--No estimated daily discharges. Records fair above 40 ft³/s and poor below. All records given herein do not include flow in South Fork power canal (completed in March 1932) which diverts 1,500 ft upstream from station and returns water to main stem Rogue River upstream from South Fork Rogue River; practically no storage upstream from diversion dam.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--41 years (water years 1925-31, 1950-83), 182 ft³/s, 131,700 acre-ft/yr (includes flow of South Fork power canal). 25 years (water years 1984-2008), 74.9 ft³/s, 54,290 acre-ft/yr (river only).

EXTREMES FOR PERIOD OF RECORD.--River only, maximum discharge, 7,010 ft³/s Dec. 22, 1964, gage height, 11.1 ft, from floodmark, from rating curve extended above 410 ft³/s on basis of measurement of flow over dam of 3,180 ft³/s; no flow Jan. 31, 1950, Sept. 29, 30, 1967 (entire flow diverted to canal). Combined flow, maximum discharge, 7,010 ft³/s Dec. 22, 1964 (no flow in canal); minimum daily, about 38 ft³/s Aug. 1-31, 1931.

EXTREMES FOR CURRENT YEAR.--River only, maximum discharge, 945 ft³/s May 18, gage height, 4.49 ft; minimum discharge, 5.7 ft³/s Nov. 10-12.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	10	10	16	19	14	66	180	559	97	11	16
2	11	9.5	10	15	20	14	61	175	475	87	10	16
3	14	8.2	14	16	23	14	56	189	622	78	10	16
4	13	7.4	19	24	27	14	55	230	625	73	10	15
5	9.5	7.5	12	23	26	14	51	285	469	66	10	15
6	9.9	8.2	15	16	25	14	48	349	400	60	10	16
7	12	7.5	14	16	21	13	43	387	366	54	11	18
8	13	6.5	14	16	15	13	41	393	343	49	10	18
9	13	6.4	13	16	15	14	38	369	344	45	10	17
10	23	6.5	13	17	15	14	35	351	331	41	10	17
11	26	5.9	11	28	15	15	37	373	296	36	10	17
12	23	5.9	11	28	14	18	48	351	289	33	10	17
13	21	111	12	36	14	39	74	340	302	30	10	17
14	24	25	9.7	28	14	46	112	389	327	27	11	17
15	28	8.9	7.6	20	14	46	113	507	328	18	11	16
16	30	19	7.4	16	14	40	103	712	327	16	12	16
17	29	104	7.3	16	14	29	108	786	316	15	13	16
18	26	253	7.1	16	14	53	129	845	283	15	12	16
19	131	140	6.8	15	14	115	135	807	257	16	13	16
20	31	69	6.5	16	14	111	125	797	246	15	13	16
21	10	40	6.4	15	14	99	109	679	242	14	12	16
22	15	25	6.4	15	14	88	105	538	217	13	12	16
23	18	15	7.0	15	14	85	100	448	189	13	12	15
24	17	10	39	15	14	129	88	398	178	12	12	15
25	12	15	20	15	14	154	84	391	167	12	57	15
26	12	18	16	14	14	139	84	402	151	12	84	15
27	11	17	16	15	13	119	110	391	152	12	81	16
28	11	14	16	20	14	110	166	529	134	11	78	16
29	11	14	17	21	14	94	242	624	123	11	53	15
30	12	12	16	20	---	82	203	502	111	11	18	15
31	9.4	---	16	22	---	72	---	478	---	11	17	---
Total	636.8	999.4	396.2	581	472	1,821	2,769	14,195	9,169	1,003	653	482
Mean	20.5	33.3	12.8	18.7	16.3	58.7	92.3	458	306	32.4	21.1	16.1
Max	131	253	39	36	27	154	242	845	625	97	84	18
Min	9.4	5.9	6.4	14	13	13	35	175	111	11	10	15
Ac-ft	1,260	1,980	786	1,150	936	3,610	5,490	28,160	18,190	1,990	1,300	956

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	22.6	39.1	85.9	91.5	84.8	97.7	133	178	100	24.7	18.8	24.0
Max	116	161	526	435	323	238	345	458	306	155	121	115
(WY)	(1998)	(1997)	(1997)	(1997)	(1996)	(1993)	(1989)	(2008)	(2008)	(1997)	(1997)	(1997)
Min	1.85	5.38	3.80	2.87	3.42	9.91	19.9	12.8	5.23	5.30	4.11	1.16
(WY)	(1984)	(1986)	(1987)	(1985)	(1985)	(1985)	(1988)	(1992)	(1987)	(1988)	(1986)	(1984)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1984 - 2008	
Annual total	22,337.8		33,177.4			
Annual mean	61.2		90.6		74.9	
Highest annual mean					224	1997
Lowest annual mean					17.6	1987
Highest daily mean	335	Jan 4	845	May 18	2,670	Jan 1, 1997
Lowest daily mean	5.9	Nov 11	5.9	Nov 11	0.22	Oct 7, 1984
Annual seven-day minimum	6.7	Nov 6	6.7	Nov 6	0.23	Oct 2, 1984
Annual runoff (ac-ft)	44,310		65,810		54,290	
10 percent exceeds	160		329		201	
50 percent exceeds	21		17		19	
90 percent exceeds	9.7		10		5.6	

