



Water-Data Report 2009

## 14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR

Southern Oregon Coastal Basin  
Coquille Subbasin

LOCATION.--Lat 42°53'30", long 124°04'10" referenced to North American Datum of 1927, in SE ¼ sec.12, T.31 S., R.12 W., Coos County, OR, Hydrologic Unit 17100305, on left bank, 0.6 mi downstream from highway bridge at Powers, 0.9 mi upstream from Woodward Creek and at mile 64.5.

DRAINAGE AREA.--169 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1916 to September 1926, December 1928 to current year.

REVISED RECORDS.--WSP 1184: 1946(M). WSP 1448: 1917-18(M), 1919, 1920(M), 1925.

GAGE.--Water-stage recorder. Datum of gage is 197.42 ft above NGVD of 1929. Prior to Nov. 17, 1938, nonrecording gage at various sites within 1 mi of present site at different datums.

REMARKS.--Records poor. No regulation. Small diversions for irrigation upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--90 years (water years 1917-26, 1930-2009), 778 ft<sup>3</sup>/s, 62.53 in/yr, 563,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,900 ft<sup>3</sup>/s Dec. 22, 1964, gage height, 26.51 ft, from floodmarks, from rating curve extended above 19,000 ft<sup>3</sup>/s on basis of contracted-opening measurement at gage height 18.14 ft and slope-area measurement of peak flow; minimum discharge, 6.4 ft<sup>3</sup>/s Oct. 10-12, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,300 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 29	1000	*20,200	*14.58
No other peak greater than base discharge			

Minimum daily discharge, 17 ft<sup>3</sup>/s, Sept. 26.

## 14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	34	40	149	1,890	359	1,600	742	e240	124	63	42	27
2	35	90	149	4,890	328	4,090	758	e350	121	62	42	27
3	40	355	162	2,880	301	3,510	1,000	e510	125	60	42	26
4	233	1,260	147	1,820	275	2,440	950	984	172	58	42	24
5	378	900	134	1,400	255	1,800	854	3,950	148	57	42	26
6	149	1,060	124	1,360	316	1,590	759	2,060	127	56	42	30
7	99	737	116	1,500	311	1,380	686	1,500	117	55	43	e33
8	83	620	121	2,270	289	1,220	624	1,120	110	55	44	e31
9	70	1,170	124	2,280	300	1,070	e590	895	105	54	43	e28
10	72	920	117	1,570	297	942	567	e740	102	54	e42	e25
11	72	758	109	1,190	620	843	513	640	100	54	41	e25
12	65	1,070	106	994	653	771	464	e570	96	56	39	e24
13	59	1,040	139	910	606	720	568	502	92	59	39	e23
14	55	846	216	835	532	699	593	502	92	57	37	e23
15	53	634	256	752	517	2,920	652	462	90	55	36	e23
16	51	488	264	673	531	4,680	e650	396	86	53	35	e24
17	49	378	256	602	665	2,860	e650	352	84	51	33	e24
18	48	304	301	542	625	1,930	642	e310	82	50	32	e24
19	47	252	718	468	578	1,440	589	e290	82	49	31	e24
20	46	263	561	413	555	1,160	531	266	90	48	30	e24
21	46	471	1,090	372	571	1,050	478	e240	87	47	31	e22
22	45	430	2,160	340	1,620	1,370	425	e220	e87	47	31	e20
23	44	404	1,550	314	4,430	1,260	381	e210	e80	46	28	e18
24	42	344	1,100	293	4,620	1,090	347	e200	75	46	28	18
25	42	294	1,960	341	4,430	1,070	317	184	e73	46	28	e18
26	41	252	1,470	389	4,200	1,250	294	e170	71	45	e28	e17
27	40	223	1,590	324	2,630	1,180	280	e160	68	44	27	e18
28	40	196	7,280	413	1,780	1,040	e290	e150	66	44	27	e18
29	39	176	12,800	465	---	1,060	276	141	64	42	29	e19
30	39	161	4,950	426	---	937	260	134	63	42	30	e19
31	39	---	2,540	392	---	828	---	128	---	41	28	---
<b>Total</b>	2,195	16,136	42,759	33,308	33,194	49,800	16,730	18,576	2,879	1,596	1,092	702
<b>Mean</b>	70.8	538	1,379	1,074	1,186	1,606	558	599	96.0	51.5	35.2	23.4
<b>Max</b>	378	1,260	12,800	4,890	4,620	4,680	1,000	3,950	172	63	44	33
<b>Min</b>	34	40	106	293	255	699	260	128	63	41	27	17
<b>Ac-ft</b>	4,350	32,010	84,810	66,070	65,840	98,780	33,180	36,850	5,710	3,170	2,170	1,390
<b>Cfs/m</b>	0.42	3.18	8.16	6.36	7.01	9.51	3.30	3.55	0.57	0.30	0.21	0.14
<b>In.</b>	0.48	3.55	9.41	7.33	7.31	10.96	3.68	4.09	0.63	0.35	0.24	0.15

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	191	998	1,761	1,804	1,613	1,312	914	452	171	60.3	34.5	43.3
<b>Max</b>	1,945	4,232	5,361	4,244	4,151	3,818	2,451	1,568	699	186	101	384
<b>(WY)</b>	(1951)	(1974)	(1965)	(1970)	(1958)	(1938)	(1963)	(1953)	(1937)	(1947)	(1947)	(1978)
<b>Min</b>	11.1	15.8	44.1	97.3	209	330	203	78.3	50.8	27.7	17.4	12.1
<b>(WY)</b>	(1988)	(1937)	(1977)	(1977)	(1977)	(1934)	(1990)	(1939)	(1924)	(1926)	(1939)	(1987)

14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1917 - 2009	
<b>Annual total</b>	242,621		218,967			
<b>Annual mean</b>	663		600		778	
<b>Highest annual mean</b>					1,374	1974
<b>Lowest annual mean</b>					237	1977
<b>Highest daily mean</b>	12,800	Dec 29	12,800	Dec 29	34,900	Dec 22, 1964
<b>Lowest daily mean</b>	32	Sep 7	17	Sep 26	7.2	Oct 10, 1994
<b>Annual seven-day minimum</b>	32	Sep 6	18	Sep 23	7.3	Oct 7, 1994
<b>Annual runoff (ac-ft)</b>	481,200		434,300		563,400	
<b>Annual runoff (cfsm)</b>	3.92		3.55		4.60	
<b>Annual runoff (inches)</b>	53.41		48.20		62.53	
<b>10 percent exceeds</b>	1,450		1,480		1,980	
<b>50 percent exceeds</b>	256		240		262	
<b>90 percent exceeds</b>	35		30		26	

