

**14154500 ROW RIVER ABOVE PITCHER CREEK, NEAR DORENA, OR**

Willamette Basin  
Coast Fork Willamette Subbasin

LOCATION.--Lat 43°44'10", long 122°52'20" referenced to North American Datum of 1927, in NE ¼ sec.24, T.21 S., R.2 W., Lane County, OR, 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<sup>2</sup>.

**SURFACE-WATER RECORDS**

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

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--72 years (water years 1936-2007), 589 ft<sup>3</sup>/s, 37.93 in/yr, 426,700 acre-ft/yr.

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

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan 3	1745	*8,120	*9.60
No other peak greater than base discharge			

Minimum discharge, 11 ft<sup>3</sup>/s Sept. 23-28.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	30	1,290	658	285	694	707	356	98	63	30	19
2	21	32	841	578	266	995	624	376	95	59	28	19
3	22	44	646	4,430	248	1,830	533	398	90	56	27	18
4	22	98	632	3,900	240	2,330	464	460	87	54	27	20
5	22	603	642	1,940	278	2,270	414	455	114	51	26	e31
6	22	350	693	1,790	320	1,910	393	401	215	48	26	27
7	22	738	683	1,660	312	1,780	453	386	272	46	27	23
8	21	1,200	644	1,770	395	1,580	425	385	212	45	26	21
9	21	735	634	1,700	382	1,310	548	352	167	44	26	19
10	20	448	573	1,530	361	1,290	701	307	173	43	26	18
11	20	659	613	1,170	639	1,290	721	275	163	41	24	16
12	19	463	1,090	901	639	1,500	832	253	143	40	24	12
13	19	1,350	2,520	745	594	1,340	855	234	126	40	23	e12
14	18	2,000	4,260	639	533	1,010	796	212	113	39	23	e13
15	20	743	3,320	559	2,360	777	922	199	104	37	22	e13
16	90	1,350	1,810	512	3,820	661	848	195	99	36	21	e14
17	167	750	1,140	462	2,290	672	812	183	94	37	21	14
18	68	473	816	419	1,480	673	908	171	87	55	21	15
19	48	369	652	425	1,170	644	1,100	165	84	e90	31	15
20	44	943	550	497	1,160	890	966	170	80	63	48	14
21	43	822	878	479	1,220	941	855	200	77	49	47	13
22	38	1,680	862	444	1,080	768	1,050	169	75	43	38	12
23	34	1,710	1,370	428	1,010	665	1,050	149	73	40	32	12
24	32	1,600	2,050	442	1,060	593	879	143	72	39	29	11
25	33	1,450	4,800	459	1,590	1,110	750	136	70	37	26	11
26	34	1,390	6,140	437	1,290	1,320	640	130	65	36	25	11
27	32	1,680	3,690	414	988	1,260	542	127	62	35	24	11
28	31	915	2,080	384	806	1,080	485	125	62	33	23	16
29	30	613	1,370	350	---	897	447	115	76	32	22	40
30	30	745	1,000	327	---	787	395	106	75	33	21	33
31	30	---	798	307	---	695	---	102	---	31	20	---
<b>Total</b>	1,094	25,983	49,087	30,756	26,816	35,562	21,115	7,435	3,323	1,395	834	523
<b>Mean</b>	35.3	866	1,583	992	958	1,147	704	240	111	45.0	26.9	17.4
<b>Max</b>	167	2,000	6,140	4,430	3,820	2,330	1,100	460	272	90	48	40
<b>Min</b>	18	30	550	307	240	593	393	102	62	31	20	11
<b>Ac-ft</b>	2,170	51,540	97,360	61,000	53,190	70,540	41,880	14,750	6,590	2,770	1,650	1,040
<b>Cfsm</b>	0.17	4.10	7.50	4.70	4.54	5.44	3.34	1.14	0.52	0.21	0.13	0.08
<b>In.</b>	0.19	4.58	8.65	5.42	4.73	6.27	3.72	1.31	0.59	0.25	0.15	0.09

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	151	734	1,182	1,179	1,063	977	823	562	267	73.6	36.7	44.4
<b>Max</b>	1,152	2,569	4,114	2,606	2,322	2,168	2,161	1,333	847	236	107	259
<b>(WY)</b>	(1951)	(1974)	(1965)	(1971)	(1986)	(1972)	(1937)	(1963)	(1993)	(1983)	(1976)	(1978)
<b>Min</b>	12.8	19.2	58.0	86.0	81.1	159	290	116	52.1	26.3	15.0	15.4
<b>(WY)</b>	(1988)	(1937)	(1977)	(1977)	(1977)	(1992)	(1941)	(1987)	(1987)	(1940)	(1940)	(2001)

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

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1936 - 2007	
<b>Annual total</b>	251,090		203,923			
<b>Annual mean</b>	688		559		589	
<b>Highest annual mean</b>					1,008	1974
<b>Lowest annual mean</b>					233	1977
<b>Highest daily mean</b>	7,260	Jan 11	6,140	Dec 26	23,800	Dec 22, 1964
<b>Lowest daily mean</b>	16	Sep 14	11	Sep 24	10	Sep 5, 2003
<b>Annual seven-day minimum</b>	17	Sep 8	12	Sep 21	11	Oct 21, 1987
<b>Annual runoff (ac-ft)</b>	498,000		404,500		426,700	
<b>Annual runoff (cfsm)</b>	3.26		2.65		2.79	
<b>Annual runoff (inches)</b>	44.27		35.95		37.93	
<b>10 percent exceeds</b>	1,580		1,380		1,420	
<b>50 percent exceeds</b>	369		285		272	
<b>90 percent exceeds</b>	22		21		27	

