



Water-Data Report 2010

**14305500 SILETZ RIVER AT SILETZ, OR**

Northern Oregon Coastal Basin  
Siletz-Yaquina Subbasin

LOCATION.--Lat 44°42'55", long 123°53'10" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.11, T.10 S., R.10 W., Lincoln County, OR, Hydrologic Unit 17100204, on right bank, 1.8 mi downstream from Baker Creek, 1.5 mi east of Siletz and at mile 42.6.

DRAINAGE AREA.--202 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1905 to December 1908, January to December 1909 (monthly discharge only, published in WSP 1318), January 1910 to November 1911, January to April 1912, January to May 1924, December 1924 to current year.

REVISED RECORDS.--WSP 1935: 1943, 1947-49(M), 1953-58(M).

GAGE.--Water-stage recorder. Datum of gage is 102.32 ft above NGVD of 1929. Oct. 1, 1905 to Sept 30, 1938, nonrecording gage at various sites within 2.5 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records good. Slight regulation from logponds. Small diversions upstream from station for irrigation. Continuous water-quality records for period February 1972 to September 1985 have been collected at this location.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--89 years (water years 1906-08, 1911, 1926-2010), 1,500 ft<sup>3</sup>/s, 100.89 in/yr, 1,087,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,800 ft<sup>3</sup>/s Nov. 26, 1999, gage height, 28.62 ft, from rating curve extended above 22,700 ft<sup>3</sup> on basis of slope-area measurement of peak flow; minimum discharge, 42 ft<sup>3</sup>/s Sept. 5, 6, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 20, 1921, reached a stage of 31.6 ft, at site 2.5 mi downstream at different datum, from floodmark, discharge, 40,800 ft<sup>3</sup>/s, from rating curve extended above 17,000 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan 2	0000	*8,410	*10.44

Minimum discharge, 63 ft<sup>3</sup>/s, Oct. 12, 13, gage height, 2.23 ft.

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DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010  
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	101	941	1,350	7,490	1,160	2,130	3,460	1,960	761	418	167	327
2	87	666	1,190	7,360	1,220	1,800	3,280	1,700	3,310	483	164	216
3	82	524	1,060	4,930	1,230	1,560	3,480	2,040	3,910	440	159	135
4	81	437	951	4,200	1,500	1,370	3,440	2,010	3,670	395	155	111
5	81	393	864	6,290	1,620	1,220	3,210	1,810	3,090	374	152	100
6	75	737	794	6,690	1,530	1,090	3,570	1,590	2,500	357	147	96
7	72	1,030	727	4,940	1,440	1,000	3,320	1,410	2,120	333	143	95
8	72	2,380	670	3,810	1,300	944	3,090	1,260	1,750	315	140	105
9	70	2,490	640	3,730	1,190	861	2,600	1,140	1,780	305	137	101
10	70	2,580	626	3,080	1,160	872	2,240	1,070	2,020	291	135	98
11	68	2,210	595	2,580	1,640	1,080	2,080	958	1,900	285	136	93
12	64	2,320	571	3,240	2,630	3,710	1,960	881	1,700	277	133	88
13	64	2,180	571	4,340	2,630	3,170	1,840	812	1,490	271	126	86
14	125	1,880	611	4,590	2,460	2,420	1,660	754	1,300	264	119	84
15	183	1,570	3,280	4,260	2,120	1,990	1,540	703	1,170	256	112	90
16	135	1,740	5,370	5,360	2,050	1,700	1,390	661	1,070	248	109	255
17	137	4,230	3,980	4,610	1,800	1,520	1,310	622	994	241	107	227
18	311	3,390	2,860	4,690	1,620	1,320	1,250	621	900	237	108	237
19	248	3,170	2,280	3,870	1,450	1,180	1,180	626	827	233	107	515
20	188	3,770	2,020	3,030	1,300	1,070	1,150	726	782	226	105	1,120
21	193	3,520	3,770	2,450	1,170	1,190	1,060	827	730	220	102	632
22	243	4,790	3,660	2,040	1,060	1,260	959	894	675	214	100	421
23	277	3,860	2,830	1,730	1,050	1,160	881	816	632	207	98	330
24	427	2,810	2,310	1,640	1,490	1,070	865	769	592	200	94	297
25	286	2,170	1,930	2,300	1,620	1,370	814	821	556	192	90	255
26	392	2,010	1,650	1,980	2,450	3,070	813	967	529	186	86	260
27	694	2,390	1,440	1,710	3,100	2,700	2,450	948	500	181	82	354
28	567	2,080	1,270	1,520	2,590	2,570	2,580	900	479	177	80	288
29	515	1,800	1,170	1,360	---	5,080	2,590	849	460	175	80	259
30	604	1,550	1,520	1,280	---	5,730	2,270	787	434	169	98	238
31	1,120	---	3,320	1,200	---	4,530	---	806	---	167	108	---
<b>Total</b>	7,632	65,618	55,880	112,300	47,580	61,737	62,332	32,738	42,631	8,337	3,679	7,513
<b>Mean</b>	246	2,187	1,803	3,623	1,699	1,992	2,078	1,056	1,421	269	119	250
<b>Max</b>	1,120	4,790	5,370	7,490	3,100	5,730	3,570	2,040	3,910	483	167	1,120
<b>Min</b>	64	393	571	1,200	1,050	861	813	621	434	167	80	84
<b>Ac-ft</b>	15,140	130,200	110,800	222,700	94,370	122,500	123,600	64,940	84,560	16,540	7,300	14,900
<b>Cfsm</b>	1.22	10.8	8.92	17.9	8.41	9.86	10.3	5.23	7.03	1.33	0.59	1.24
<b>In.</b>	1.41	12.08	10.29	20.68	8.76	11.37	11.48	6.03	7.85	1.54	0.68	1.38

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	682	2,409	3,320	3,281	2,858	2,205	1,490	836	507	221	130	192
<b>Max</b>	3,412	6,207	7,828	7,664	6,055	4,560	3,560	2,579	1,602	602	419	1,138
<b>(WY)</b>	(1927)	(1907)	(1934)	(1953)	(1949)	(1932)	(1937)	(1933)	(1906)	(1910)	(1968)	(1959)
<b>Min</b>	50.1	72.4	401	518	703	557	387	233	144	99.7	62.5	58.6
<b>(WY)</b>	(1988)	(1930)	(1977)	(1977)	(2005)	(1941)	(1926)	(1939)	(1928)	(1992)	(2003)	(1965)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1906 - 2010	
<b>Annual total</b>	449,225		507,977			
<b>Annual mean</b>	1,231		1,392		1,500	
<b>Highest annual mean</b>					2,337	1974
<b>Lowest annual mean</b>					660	1977
<b>Highest daily mean</b>	19,800	Jan 2	7,490	Jan 1	36,700	Dec 28, 1998
<b>Lowest daily mean</b>	62	Sep 4	64	Oct 12	42	Sep 6, 2003
<b>Annual seven-day minimum</b>	69	Oct 7	69	Oct 7	45	Aug 31, 2003
<b>Annual runoff (ac-ft)</b>	891,000		1,008,000		1,087,000	
<b>Annual runoff (cfsm)</b>	6.09		6.89		7.43	
<b>Annual runoff (inches)</b>	82.73		93.55		100.89	
<b>10 percent exceeds</b>	2,840		3,350		3,760	
<b>50 percent exceeds</b>	611		1,000		740	
<b>90 percent exceeds</b>	82		107		102	

