



Water-Data Report 2010

14307620 SIUSLAW RIVER NEAR MAPLETON, OR

Northern Oregon Coastal Basin
Siuslaw Subbasin

LOCATION.--Lat 44°03'45", long 123°52'55" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.27, T.17 S., R.10 W., Lane County, OR, Hydrologic Unit 17100206, on right bank, 250 ft upstream from Shoemaker Creek, 2.5 mi northwest of Mapleton and at mile 23.7.

DRAINAGE AREA.--588 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1967 to September 1994, February 1998 to September 2001 (gage heights only), October 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 41 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. Water-quality records are available in the files of the Environmental Quality Section of the U.S. Geological Survey Oregon Water Science Center.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--36 years (water years 1968-94, 2002-10), 1,974 ft³/s, 45.61 in/yr, 1,430,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,400 ft³/s Jan. 21, 1972, gage height, 28.45 ft; minimum discharge, 45 ft³/s Aug. 18, 19, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1964 reached a stage of about 28 ft, from information by local residents, discharge not determined. Flood of Feb. 7, 1996 reached a stage of 30.21 ft, from floodmark, discharge, 54,800 ft³/s, from rating curve extended above 40,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 31	0230	*14,800	*14.21

Minimum discharge, 91 ft³/s, Oct. 12, 13, gage height, 2.86 ft.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	110	558	1,190	11,400	1,700	2,940	8,730	3,220	1,230	672	260	204
2	103	413	1,030	8,770	1,760	2,500	6,830	2,680	3,140	676	260	199
3	99	329	906	5,880	1,900	2,290	7,450	2,470	5,120	659	252	187
4	104	281	810	4,210	2,360	2,070	6,680	2,240	6,190	625	246	174
5	113	262	738	3,610	2,570	1,890	5,820	2,040	5,800	594	242	165
6	112	598	679	5,010	2,410	1,740	6,740	1,860	4,080	567	235	158
7	107	1,090	e600	4,450	2,200	1,620	6,130	1,710	3,170	541	231	158
8	103	1,430	e510	3,670	1,990	1,530	5,170	1,600	2,600	516	227	171
9	100	1,130	e440	3,170	1,840	1,440	4,230	1,500	2,450	496	223	180
10	98	1,140	e420	2,760	1,750	1,500	3,620	1,510	2,680	474	221	172
11	96	1,130	e460	2,460	1,990	1,630	3,370	1,410	2,530	458	222	168
12	92	1,130	e590	3,240	3,210	6,080	3,480	1,340	2,220	440	217	161
13	98	1,140	580	5,310	3,810	6,260	3,430	1,260	1,940	423	211	156
14	175	1,070	525	7,310	3,390	4,720	3,040	1,190	1,720	412	204	151
15	238	904	2,520	5,540	2,980	3,560	2,810	1,120	1,560	400	196	153
16	200	749	8,400	7,240	2,770	2,870	2,550	1,070	1,460	385	191	155
17	197	1,370	6,180	6,780	2,550	2,430	2,320	1,030	1,360	376	187	169
18	255	1,850	4,340	6,070	2,350	2,110	2,110	1,020	1,280	364	187	191
19	233	1,630	3,100	5,180	2,150	1,900	1,950	1,030	1,210	358	185	326
20	194	1,630	2,570	4,190	1,950	1,750	1,930	1,180	1,150	352	181	397
21	186	2,220	4,390	3,470	1,770	1,670	1,840	1,450	1,100	345	177	314
22	197	3,030	5,250	2,980	1,620	1,650	1,710	1,960	1,030	335	172	265
23	217	2,650	4,060	2,590	1,580	1,520	1,590	1,920	975	326	171	226
24	328	1,930	3,080	2,340	2,170	1,430	1,510	1,660	921	316	167	205
25	262	1,450	2,470	2,680	2,610	1,960	1,410	1,510	873	307	163	193
26	261	1,270	2,060	2,650	3,540	6,270	1,390	1,620	835	296	159	181
27	492	2,230	1,780	2,380	4,570	5,660	3,010	1,680	799	287	154	177
28	488	2,210	1,560	2,140	3,720	4,270	4,850	1,680	757	281	151	173
29	395	1,790	1,430	1,950	---	8,120	5,250	1,510	729	278	149	166
30	451	1,430	1,710	1,820	---	14,100	4,040	1,350	684	269	171	158
31	560	---	4,980	1,740	---	13,300	---	1,290	---	261	222	---
Total	6,664	40,044	69,358	132,990	69,210	112,780	114,990	50,110	61,593	13,089	6,234	5,853
Mean	215	1,335	2,237	4,290	2,472	3,638	3,833	1,616	2,053	422	201	195
Max	560	3,030	8,400	11,400	4,570	14,100	8,730	3,220	6,190	676	260	397
Min	92	262	420	1,740	1,580	1,430	1,390	1,020	684	261	149	151
Ac-ft	13,220	79,430	137,600	263,800	137,300	223,700	228,100	99,390	122,200	25,960	12,370	11,610
Cfsm	0.37	2.27	3.81	7.30	4.20	6.19	6.52	2.75	3.49	0.72	0.34	0.33
In.	0.42	2.53	4.39	8.41	4.38	7.14	7.27	3.17	3.90	0.83	0.39	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	352	2,119	4,630	5,035	4,037	3,310	2,162	1,071	624	265	154	162
Max	1,219	7,819	9,787	11,480	9,084	6,819	4,445	2,102	2,053	628	321	356
(WY)	(1969)	(1974)	(1982)	(2006)	(1986)	(1974)	(1982)	(1984)	(2010)	(1983)	(1968)	(1971)
Min	64.3	173	261	300	876	1,119	686	541	280	127	77.9	86.8
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1992)	(1977)	(1985)	(1992)	(1977)	(1973)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1968 - 2010	
Annual total	505,071		682,915			
Annual mean	1,384		1,871		1,974	
Highest annual mean					3,711	1974
Lowest annual mean					576	1977
Highest daily mean	15,400	Jan 2	14,100	Mar 30	45,900	Jan 16, 1974
Lowest daily mean	78	Sep 28	92	Oct 12	45	Aug 18, 1977
Annual seven-day minimum	84	Sep 22	99	Oct 7	47	Aug 14, 1977
Annual runoff (ac-ft)	1,002,000		1,355,000		1,430,000	
Annual runoff (cfsm)	2.35		3.18		3.36	
Annual runoff (inches)	31.95		43.20		45.61	
10 percent exceeds	3,090		4,630		5,130	
50 percent exceeds	810		1,410		866	
90 percent exceeds	107		173		123	

