

**14306500 ALSEA RIVER NEAR TIDEWATER, OR**

Northern Oregon Coastal Basin  
Alsea Subbasin

LOCATION.--Lat 44°23'10", long 123°49'50" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.6, T.14 S., R.9 W., Lincoln County, OR, Hydrologic Unit 17100205, on right bank, 0.9 mi downstream from Grass Creek, 2.5 mi upstream from Scott Creek, 3.8 mi southeast of Tidewater and at mile 21.0.

DRAINAGE AREA.--334 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.16 ft above NGVD of 1929. Prior to Nov. 16, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. No regulation. Diversion for irrigation upstream from station. Continuous water-quality records for period October 1979 to September 1981 have been collected at this location.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--74 years (water years 1940-2013), 1,459 ft<sup>3</sup>/s, 59.36 in/yr, 1,057,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,800 ft<sup>3</sup>/s Dec. 22, 1964, gage height, 27.44 ft; minimum discharge, 45 ft<sup>3</sup>/s Sept. 26, 27, 1965.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on or about Feb. 3, 1890, reached a stage of 29.5 ft, from floodmark (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Nov 19	2330	*21,800	*18.88

Minimum discharge, 71 ft<sup>3</sup>/s, on several days, gage height, 1.23 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	77	2,230	5,490	2,420	1,940	1,790	914	647	1,020	281	139	102
2	77	2,210	8,170	2,120	1,720	1,690	868	620	863	268	146	95
3	75	1,420	8,040	1,890	1,550	1,570	825	595	759	255	142	98
4	73	1,050	10,100	1,740	1,420	1,440	848	571	683	246	135	95
5	71	816	9,130	1,600	1,370	1,400	1,010	546	621	240	128	109
6	71	679	6,210	1,480	1,480	1,600	2,050	523	573	235	122	270
7	72	583	4,690	1,530	1,700	1,830	3,770	510	534	233	117	205
8	72	526	3,890	1,700	1,680	1,710	3,910	492	501	228	119	137
9	72	481	3,270	2,100	1,540	1,540	2,870	479	473	222	123	116
10	73	449	2,790	2,510	1,430	1,390	2,330	462	449	214	121	105
11	75	404	2,520	2,580	1,330	1,280	1,980	448	433	208	125	98
12	87	719	2,630	2,280	1,260	1,200	1,730	436	422	202	127	93
13	165	1,160	2,480	1,970	1,180	1,120	1,590	428	428	197	121	91
14	157	885	2,310	1,730	1,110	1,050	1,490	424	427	194	116	90
15	355	721	2,230	1,570	1,050	990	1,420	410	391	189	113	89
16	1,320	631	3,240	1,440	1,010	969	1,330	421	371	184	116	93
17	453	661	7,280	1,340	971	1,040	1,270	418	357	182	112	116
18	246	2,100	5,970	1,270	926	930	1,180	403	347	179	107	178
19	204	12,200	4,900	1,190	969	889	1,190	402	365	174	102	141
20	235	14,800	10,200	1,110	915	1,960	1,150	376	392	171	99	118
21	253	8,520	8,800	1,040	956	2,480	1,090	452	375	168	96	144
22	318	5,570	7,280	981	1,220	2,070	1,030	854	336	164	94	163
23	409	4,000	6,980	969	2,280	1,830	960	842	325	160	94	254
24	425	4,240	6,460	966	2,000	1,640	904	817	343	154	97	334
25	404	3,600	5,730	957	1,970	1,480	852	757	414	149	96	459
26	312	2,940	6,050	1,120	1,940	1,360	806	654	511	144	100	300
27	336	2,420	5,670	1,400	1,770	1,270	762	782	439	139	103	222
28	1,360	2,060	4,730	2,070	1,750	1,180	728	1,190	364	136	99	944
29	1,710	2,030	3,890	2,480	---	1,110	714	1,370	323	135	99	4,570
30	1,190	2,660	3,270	2,440	---	1,030	681	1,590	299	136	124	7,010
31	965	---	2,800	2,190	---	966	---	1,290	---	135	119	---
<b>Total</b>	11,712	82,765	167,200	52,183	40,437	43,804	42,252	20,209	14,138	5,922	3,551	16,839
<b>Mean</b>	378	2,759	5,394	1,683	1,444	1,413	1,408	652	471	191	115	561
<b>Max</b>	1,710	14,800	10,200	2,580	2,280	2,480	3,910	1,590	1,020	281	146	7,010
<b>Min</b>	71	404	2,230	957	915	889	681	376	299	135	94	89
<b>Ac-ft</b>	23,230	164,200	331,600	103,500	80,210	86,890	83,810	40,080	28,040	11,750	7,040	33,400
<b>Cfsm</b>	1.13	8.26	16.1	5.04	4.32	4.23	4.22	1.95	1.41	0.57	0.34	1.68
<b>In.</b>	1.30	9.22	18.62	5.81	4.50	4.88	4.71	2.25	1.57	0.66	0.40	1.88

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	345	1,700	3,304	3,516	3,074	2,460	1,511	807	428	195	118	130
<b>Max</b>	2,521	6,058	7,419	7,874	6,909	5,434	3,203	1,848	1,287	363	234	561
<b>(WY)</b>	(1948)	(1974)	(1965)	(1953)	(1996)	(2012)	(1963)	(1963)	(2010)	(1983)	(1968)	(2013)
<b>Min</b>	62.0	108	182	211	607	604	550	331	178	116	65.6	60.1
<b>(WY)</b>	(1988)	(1994)	(1977)	(1977)	(1977)	(1941)	(1977)	(1966)	(1966)	(1992)	(1966)	(1965)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1940 - 2013	
<b>Annual total</b>	797,114		501,012			
<b>Annual mean</b>	2,178		1,373		1,459	
<b>Highest annual mean</b>					2,541	1974
<b>Lowest annual mean</b>					431	1977
<b>Highest daily mean</b>	28,500	Jan 19	14,800	Nov 20	36,100	Dec 22, 1964
<b>Lowest daily mean</b>	71	Oct 5	71	Oct 5	47	Sep 26, 1965
<b>Annual seven-day minimum</b>	72	Oct 4	72	Oct 4	51	Sep 25, 1965
<b>Annual runoff (ac-ft)</b>	1,581,000		993,800		1,057,000	
<b>Annual runoff (cfs)</b>	6.52		4.11		4.37	
<b>Annual runoff (inches)</b>	88.78		55.80		59.36	
<b>10 percent exceeds</b>	5,780		2,900		3,750	
<b>50 percent exceeds</b>	1,060		816		642	
<b>90 percent exceeds</b>	100		111		97	

