14303600 NESTUCCA RIVER NEAR BEAVER, OR

Northern Oregon Coastal Basin
Wilson-Trask-Nestucca Subbasin

LOCATION.--Lat 45°16′00″, long 123°50′45″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.36, T.3 S., R.10 W., Tillamook County, OR, Hydrologic Unit 17100203, on right bank, 650 ft upstream from Saling Creek, 1.2 mi southwest of Beaver and at mile 13.6.

DRAINAGE AREA.--180 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1964 to September 1991, October 2008 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 43 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated since March 1969 by McGuire Lake (capacity, 12,900 acre-ft) about 37 miles upstream; during winter months lake is empty except when inflow exceeds capacity of outlet tunnel. Trans-basin diversion upstream from station to Haskins Creek Basin. Small diversions for irrigation upstream from station. Continuous water-quality records for period October 1964 to September 1987 have been collected at this location.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--31 years (water years 1965-91, 2009-12), 1,051 ft^3/s, 79.33 in/yr, 761,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,400 ft^3/s Jan. 11, 1972, gage height, 22.0 ft, from floodmark; minimum discharge, 32 ft^3/s Sept. 14, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 20, 1962, reached a stage of 23.4 ft, discharge, 32,500 ft^3/s, caused by failure of Meadow Lake Dam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 22	1530	8,130	11.27
Dec 30	0700	8,390	11.44
Jan 19	1615	*13,500	*14.50
Mar 15	1715	11,400	13.32
Mar 30	0745	10,700	12.87

Minimum discharge, 49 ft^3/s, Sept. 29, 30, gage height, 3.54 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 14303600, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/14303600.2012.pdf

14303600 NESTUCCA RIVER NEAR BEAVER, OR—Continued

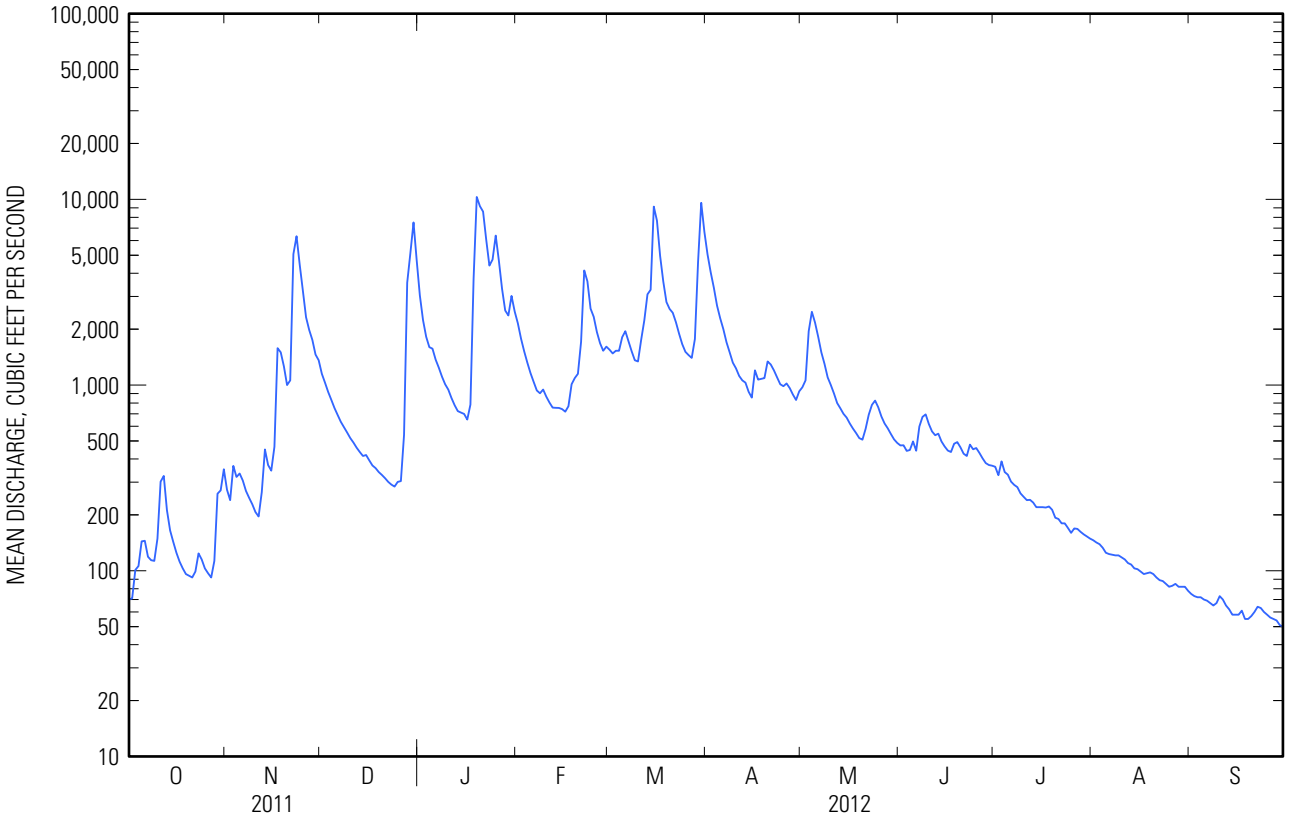
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70	273	1,150	3,040	2,150	1,550	5,050	973	473	363	146	75
2	71	240	1,030	2,240	1,780	1,480	4,050	1,060	474	327	142	73
3	101	367	918	1,820	1,520	1,530	3,340	1,950	442	388	139	72
4	106	320	832	1,600	1,320	1,530	2,680	2,480	447	e340	133	72
5	144	334	e752	1,570	1,160	1,810	2,290	2,170	497	329	125	70
6	145	306	e690	1,370	1,040	1,950	e2,000	1,820	443	302	123	69
7	119	269	e634	1,240	935	1,720	e1,700	e1,500	598	e290	122	67
8	114	247	e593	1,110	903	1,520	e1,500	e1,300	674	282	121	65
9	113	228	555	1,010	946	1,360	1,320	e1,100	695	261	121	67
10	149	207	518	945	866	1,340	1,230	e1,000	617	e250	118	73
11	302	196	490	852	805	1,750	1,120	e900	563	e240	115	70
12	324	265	460	779	756	2,230	1,060	e800	537	241	110	65
13	212	450	436	724	754	3,080	1,030	e750	547	233	108	62
14	165	371	415	711	753	3,260	920	e700	497	e220	103	58
15	143	346	420	699	742	9,140	856	668	467	e220	102	58
16	125	465	393	652	719	7,680	1,200	621	444	e220	99	58
17	112	1,580	369	785	769	4,960	1,070	583	436	219	96	61
18	103	1,500	357	3,740	1,010	3,610	1,080	551	483	222	97	55
19	96	1,260	340	10,300	1,090	2,800	1,090	518	493	213	98	55
20	94	1,000	328	9,190	1,150	2,570	1,340	508	462	193	96	57
21	92	1,060	315	8,590	1,710	2,450	1,290	581	427	e190	92	60
22	99	5,070	301	6,050	4,140	2,180	1,200	693	415	e180	89	64
23	124	6,330	291	4,400	3,620	1,890	1,100	782	478	e180	88	63
24	115	4,450	284	4,740	2,580	1,660	1,010	825	451	e170	85	60
25	103	3,220	301	6,380	2,330	1,510	986	759	458	e160	82	58
26	97	2,320	304	4,670	1,930	1,450	1,020	677	431	169	83	56
27	92	1,980	539	3,300	1,680	1,400	963	621	403	168	85	55
28	113	1,750	3,560	2,520	1,530	1,770	889	585	380	162	82	54
29	260	1,460	5,130	2,370	1,610	4,590	831	545	371	157	82	51
30	271	1,360	7,510	3,020	---	9,580	925	510	368	153	82	50
31	352	---	4,700	2,490	---	6,690	---	488	---	149	78	---
Total	4,526	39,224	34,915	92,907	42,298	92,040	46,140	29,018	14,471	7,191	3,242	1,873
Mean	146	1,307	1,126	2,997	1,459	2,969	1,538	936	482	232	105	62.4
Max	352	6,330	7,510	10,300	4,140	9,580	5,050	2,480	695	388	146	75
Min	70	196	284	652	719	1,340	831	488	368	149	78	50
Ac-ft	8,980	77,800	69,250	184,300	83,900	182,600	91,520	57,560	28,700	14,260	6,430	3,720
Cfsm	0.81	7.26	6.26	16.6	8.10	16.5	8.54	5.20	2.68	1.29	0.58	0.35
In.	0.94	8.11	7.22	19.20	8.74	19.02	9.54	6.00	2.99	1.49	0.67	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	331	1,481	2,317	2,462	1,799	1,697	1,104	606	402	191	109	147
Max	842	3,982	4,440	4,890	3,404	2,969	2,179	1,192	1,065	542	251	412
(WY)	(1982)	(1974)	(1978)	(1972)	(1990)	(2012)	(1991)	(1984)	(2010)	(1983)	(1968)	(1977)
Min	51.9	171	257	273	453	634	469	276	169	96.3	49.2	53.6
(WY)	(1988)	(1988)	(1977)	(1977)	(1977)	(1978)	(1965)	(1989)	(1989)	(1967)	(1967)	(1967)

14303600 NESTUCCA RIVER NEAR BEAVER, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1965 - 2012	
Annual total	394,418		407,845			
Annual mean	1,081		1,114		1,051	
Highest annual mean					1,643	1974
Lowest annual mean					467	1977
Highest daily mean	14,200	Jan 16	10,300	Jan 19	20,000	Jan 28, 1965
Lowest daily mean	62	Sep 11	50	Sep 30	38	Sep 28, 1967
Annual seven-day minimum	65	Sep 7	55	Sep 24	40	Aug 24, 1967
Annual runoff (ac-ft)	782,300		809,000		761,400	
Annual runoff (cfsm)	6.00		6.19		5.84	
Annual runoff (inches)	81.51		84.29		79.33	
10 percent exceeds	2,980		2,610		2,550	
50 percent exceeds	529		528		567	
90 percent exceeds	92		82		89