



Water-Data Report 2008

**14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR**

Northern Oregon Coastal Basin  
Wilson-Trask-Nestucca Subbasin

LOCATION.--Lat 45°26'47", long 123°42'33" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.30, T.1 S., R.8 W., Tillamook County, OR, Hydrologic Unit 17100203, on right bank, 0.1 mi upstream from Cedar Creek, 6.8 mi east of Tillamook and at mile 10.95.

DRAINAGE AREA.--156 mi<sup>2</sup>, at Long Prairie Road bridge 4.0 mi downstream where all discharge measurements are made.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 70 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. No regulation. Water diverted from J.W. Barney Reservoir (capacity, 20,000 acre-ft) on Middle Fork of North Fork of Trask River into the headwaters of Tualatin River for municipal and industrial use and pollution abatement.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--12 years (water years 1997-2008), 985 ft<sup>3</sup>/s, 85.81 in/yr, 713,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,500 ft<sup>3</sup>/s Nov. 25, 1999, gage height, 21.77 ft; minimum discharge, 49 ft<sup>3</sup>/s Sept. 11, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 8, 1996 reached a stage of 23.2 ft, from floodmark, discharge, 25,800 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 3	1000	*20,300	*20.75
No other peak greater than base discharge			

Minimum discharge, 75 ft<sup>3</sup>/s, Sept. 30, gage height, 5.96 ft.

## 14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	152	180	796	1,830	2,290	1,200	924	1,040	175	269	139	107
2	137	169	3,480	1,780	2,140	1,050	861	902	166	260	137	103
3	272	162	16,200	1,940	1,880	938	827	826	325	253	124	100
4	266	156	8,580	2,440	1,580	920	891	755	377	249	119	100
5	202	149	4,760	3,210	1,530	808	968	714	406	256	115	97
6	150	143	3,230	2,810	1,760	714	1,380	701	1,340	249	111	95
7	177	137	2,330	2,340	4,120	652	1,870	629	1,780	230	109	94
8	242	132	1,810	2,590	4,390	772	1,950	554	1,290	219	108	90
9	184	134	1,490	3,290	4,950	705	1,700	487	1,040	207	113	90
10	201	245	1,270	4,440	4,140	706	1,520	447	1,300	198	115	90
11	198	200	1,080	7,160	3,430	939	1,370	478	1,310	193	109	88
12	161	394	942	5,740	2,800	867	1,340	428	1,150	185	104	85
13	144	590	827	4,420	2,430	1,350	1,410	404	994	177	101	85
14	130	405	743	3,470	2,030	2,560	1,320	414	860	171	98	84
15	122	402	829	2,860	1,700	2,600	1,140	435	757	166	94	82
16	135	1,570	750	2,310	1,470	2,060	1,000	483	678	162	91	80
17	207	1,700	848	1,920	1,300	1,740	873	483	612	161	89	80
18	484	1,620	1,210	1,640	1,180	2,160	822	423	562	158	98	80
19	915	1,530	2,630	1,480	1,090	2,030	809	359	518	156	109	82
20	1,270	1,420	4,110	1,350	1,020	1,750	721	394	478	152	216	80
21	1,220	1,160	2,950	1,170	949	1,530	697	503	445	148	234	87
22	760	933	2,360	1,030	916	1,340	794	472	423	144	170	90
23	534	765	2,950	932	890	1,480	1,500	387	401	144	133	85
24	419	649	4,130	853	835	1,650	2,210	329	370	139	125	82
25	350	560	3,150	773	797	1,450	1,820	326	351	137	133	90
26	304	532	2,580	820	755	1,460	1,510	291	341	134	120	88
27	266	598	2,200	890	725	1,340	1,380	263	323	136	131	84
28	240	531	2,590	773	731	1,330	1,340	240	305	132	128	81
29	221	820	2,840	977	850	1,230	1,320	224	290	132	116	79
30	205	836	2,670	1,060	---	1,120	1,230	202	280	144	112	77
31	190	---	2,200	2,140	---	1,020	---	187	---	131	109	---
<b>Total</b>	10,458	18,822	88,535	70,438	54,678	41,471	37,497	14,780	19,647	5,592	3,810	2,635
<b>Mean</b>	337	627	2,856	2,272	1,885	1,338	1,250	477	655	180	123	87.8
<b>Max</b>	1,270	1,700	16,200	7,160	4,950	2,600	2,210	1,040	1,780	269	234	107
<b>Min</b>	122	132	743	773	725	652	697	187	166	131	89	77
<b>Ac-ft</b>	20,740	37,330	175,600	139,700	108,500	82,260	74,380	29,320	38,970	11,090	7,560	5,230
<b>Cfsm</b>	2.16	4.02	18.3	14.6	12.1	8.58	8.01	3.06	4.20	1.16	0.79	0.56
<b>In.</b>	2.49	4.49	21.11	16.80	13.04	9.89	8.94	3.52	4.69	1.33	0.91	0.63

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	368	1,461	2,319	2,212	1,719	1,519	901	553	381	170	112	137
<b>Max</b>	1,688	3,332	4,157	3,940	4,345	2,658	1,257	857	655	254	243	475
<b>(WY)</b>	(1998)	(2007)	(1997)	(2006)	(1999)	(2003)	(2002)	(1999)	(2008)	(1997)	(2004)	(2004)
<b>Min</b>	65.5	333	849	570	435	673	538	307	163	106	71.5	58.2
<b>(WY)</b>	(2003)	(2003)	(2001)	(2001)	(2005)	(2001)	(2000)	(2007)	(2007)	(2003)	(2003)	(2007)

14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1997 - 2008	
<b>Annual total</b>	308,693		368,363			
<b>Annual mean</b>	846		1,006		985	
<b>Highest annual mean</b>					1,449	1999
<b>Lowest annual mean</b>					461	2001
<b>Highest daily mean</b>	16,200	Dec 3	16,200	Dec 3	17,300	Nov 25, 1999
<b>Lowest daily mean</b>	51	Sep 10	77	Sep 30	51	Sep 10, 2007
<b>Annual seven-day minimum</b>	54	Sep 7	81	Sep 14	54	Sep 7, 2007
<b>Annual runoff (ac-ft)</b>	612,300		730,600		713,700	
<b>Annual runoff (cfsm)</b>	5.42		6.45		6.32	
<b>Annual runoff (inches)</b>	73.61		87.84		85.81	
<b>10 percent exceeds</b>	2,380		2,350		2,440	
<b>50 percent exceeds</b>	296		650		508	
<b>90 percent exceeds</b>	70		106		86	

