



Water-Data Report 2011

**14206900 FANNO CREEK AT 56TH AVENUE, AT PORTLAND, OR**

Willamette Basin  
Tualatin Subbasin

LOCATION.--Lat 45°29'17", long 122°44'01" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.18, T.1 S., R.1 E., Multnomah County, OR, Hydrologic Unit 17090010, on bridge at SW 56th Ave., in Portland and at mile 11.9.

DRAINAGE AREA.--2.37 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1974 to September 1977 (annual maximum only), October 1990 to current year.

REVISED RECORDS.--WDR OR-92-1: 1991, 1991(m).

GAGE.--Water-stage recorder. Elevation of gage is 250 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--21 years (water years 1991-2011), 3.15 ft<sup>3</sup>/s, 18.07 in/yr, 2,280 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 733 ft<sup>3</sup>/s Feb. 8, 1996, gage height, 13.2 ft, from floodmark, from rating curve extended above 200 ft<sup>3</sup>/s; minimum discharge, 0.01 ft<sup>3</sup>/s Sept. 4, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct 24	2130	153	10.99
Dec 9	1700	*379	*12.09
Feb 28	0815	152	10.96

Minimum discharge, 0.07 ft<sup>3</sup>/s, Sept. 11, gage height, 8.32 ft.

## 14206900 FANNO CREEK AT 56TH AVENUE, AT PORTLAND, OR—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.26	8.2	6.6	3.1	1.4	27	3.5	2.2	7.4	0.57	0.40	e0.24
2	0.24	2.3	3.3	2.8	1.3	8.2	5.4	2.0	2.4	0.55	0.42	0.19
3	0.22	1.3	2.7	2.2	1.2	5.8	3.0	1.8	1.7	0.55	0.39	0.18
4	0.23	1.1	2.3	1.9	1.1	7.3	8.1	1.7	1.4	0.52	0.37	0.14
5	0.22	1.1	2.1	3.4	1.2	6.4	4.2	1.7	1.3	0.52	0.37	0.13
6	0.22	6.3	2.3	2.1	1.4	4.2	4.7	3.2	1.4	0.54	0.37	0.11
7	0.23	6.7	3.4	2.6	4.5	3.3	3.1	2.0	1.1	0.56	0.37	0.11
8	0.25	1.8	12	1.8	1.8	3.6	2.8	4.5	1.0	0.51	0.38	0.20
9	3.9	6.7	75	1.8	1.2	7.8	2.6	2.1	0.94	0.50	0.40	0.24
10	12	3.0	10	1.4	1.1	22	3.6	1.6	0.88	0.50	0.34	0.15
11	0.62	1.6	27	1.3	1.0	5.1	5.2	4.4	0.88	0.49	0.46	0.11
12	0.39	1.2	7.0	9.3	4.0	6.3	2.6	2.0	0.87	1.1	0.33	0.14
13	0.34	1.8	4.6	14	2.5	10	3.7	1.6	0.98	0.55	0.33	0.15
14	0.48	3.7	14	3.9	4.9	7.0	17	1.5	0.77	0.53	0.36	0.20
15	0.55	1.4	5.5	19	12	15	22	8.7	0.84	0.54	0.32	0.20
16	0.43	1.5	3.3	39	8.4	9.1	8.3	2.4	0.74	0.93	0.28	0.24
17	0.43	22	2.6	6.5	4.1	8.8	4.7	2.0	0.70	8.7	0.22	0.28
18	0.43	21	5.4	11	6.1	6.4	3.9	1.7	1.2	0.97	0.21	0.75
19	0.44	6.3	3.9	5.7	3.7	4.6	3.2	1.4	0.80	0.79	0.25	0.33
20	0.37	6.5	8.0	4.2	2.8	3.8	2.9	1.3	0.75	0.65	0.22	0.19
21	0.38	4.1	3.4	12	2.5	3.5	3.0	1.2	0.69	0.62	0.21	0.16
22	0.43	3.9	2.4	5.0	2.7	3.1	2.5	1.2	0.63	0.57	0.21	0.15
23	3.2	2.6	2.0	3.9	2.7	4.7	2.3	1.3	0.59	0.55	0.45	0.15
24	19	2.0	1.8	3.5	2.6	4.4	3.2	1.0	0.58	0.55	0.27	0.14
25	4.2	1.9	1.9	3.0	1.9	3.4	12	2.9	0.59	0.51	0.27	0.86
26	2.4	2.5	4.6	2.7	1.7	7.0	5.3	4.3	0.59	0.50	0.31	0.36
27	0.86	2.9	12	2.5	2.4	4.4	3.1	5.6	0.59	0.47	0.26	1.0
28	1.9	2.4	43	2.3	45	3.2	4.0	2.2	1.1	0.45	0.25	0.24
29	2.3	2.4	15	2.0	---	8.3	2.7	2.0	0.68	0.46	e0.29	0.26
30	1.8	10	5.3	1.8	---	6.3	2.3	1.6	0.59	0.43	e0.28	0.19
31	5.8	---	3.8	1.6	---	3.8	---	1.5	---	0.41	e0.25	---
<b>Total</b>	64.52	140.2	296.2	177.3	127.2	223.8	154.9	74.6	34.68	26.09	9.84	7.79
<b>Mean</b>	2.08	4.67	9.55	5.72	4.54	7.22	5.16	2.41	1.16	0.84	0.32	0.26
<b>Max</b>	19	22	75	39	45	27	22	8.7	7.4	8.7	0.46	1.0
<b>Min</b>	0.22	1.1	1.8	1.3	1.0	3.1	2.3	1.0	0.58	0.41	0.21	0.11
<b>Ac-ft</b>	128	278	588	352	252	444	307	148	69	52	20	15
<b>Cfsm</b>	0.88	1.97	4.03	2.41	1.92	3.05	2.18	1.02	0.49	0.36	0.13	0.11
<b>In.</b>	1.01	2.20	4.65	2.78	2.00	3.51	2.43	1.17	0.54	0.41	0.15	0.12

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.50	4.65	6.93	7.11	5.71	4.23	2.99	2.16	1.24	0.47	0.43	0.54
<b>Max</b>	4.11	14.3	20.1	12.8	16.6	9.47	6.17	4.79	5.30	0.89	2.14	1.18
<b>(WY)</b>	(1995)	(1997)	(1997)	(2006)	(1996)	(1997)	(2003)	(1998)	(2010)	(1997)	(2004)	(1996)
<b>Min</b>	0.28	0.86	2.67	1.06	1.01	1.73	1.31	0.56	0.31	0.13	0.13	0.12
<b>(WY)</b>	(2003)	(2003)	(2001)	(2001)	(2005)	(1994)	(1998)	(2004)	(1992)	(2004)	(1992)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1991 - 2011	
<b>Annual total</b>	1,300.30	1,337.12		
<b>Annual mean</b>	3.56	3.66	3.15	
<b>Highest annual mean</b>			5.95	1997
<b>Lowest annual mean</b>			1.21	2001
<b>Highest daily mean</b>	75 Dec 9	75 Dec 9	202	Nov 19, 1996
<b>Lowest daily mean</b>	0.12 Sep 4	0.11 Sep 6	0.06	Sep 12, 1999
<b>Annual seven-day minimum</b>	0.17 Aug 24	0.15 Sep 5	0.07	Oct 1, 1991
<b>Annual runoff (ac-ft)</b>	2,580	2,650	2,280	
<b>Annual runoff (cfsm)</b>	1.50	1.55	1.33	
<b>Annual runoff (inches)</b>	20.41	20.99	18.07	
<b>10 percent exceeds</b>	8.1	8.2	7.2	
<b>50 percent exceeds</b>	2.0	1.8	1.2	
<b>90 percent exceeds</b>	0.23	0.25	0.18	

