

14211315 TRYON CREEK NEAR LAKE OSWEGO, OR

Willamette Basin
Lower Willamette Subbasin

LOCATION.--Lat 45°25'51", long 122°40'21" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.42, T.2 S., R.1 E., Clackamas County, OR, Hydrologic Unit 17090012, on left bank, 0.8 mi north of Lake Oswego and at mile 1.0.

DRAINAGE AREA.--6.28 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 95 ft above NGVD of 1929, from topographic map. Prior to Apr. 22, 2010, at site 200 ft upstream at different datum.

REMARKS.--Records poor. No known regulation or diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--12 years (water years 2002-13), 8.96 ft³/s, 19.39 in/yr, 6,490 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,210 ft³/s Dec. 9, 2010, gage height, 5.33 ft; minimum discharge, 0.09 ft³/s Sept. 4, 5, 12, 2002, but may have been less during periods of temporary diversion upstream from station for channel improvement for fish habitat and passage September 2008.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 19	1545	*552	*5.23
Dec 4	2015	322	4.36
Dec 16	2030	282	4.18
Sep 28	1930	359	4.52

Minimum discharge, 0.40 ft³/s, Sept. 1, 2, 4, 5, gage height, 1.59 ft.

14211315 TRYON CREEK NEAR LAKE OSWEGO, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.65	13	56	7.4	12	5.3	3.2	2.4	4.3	1.4	1.1	0.46
2	0.65	6.2	66	6.7	9.6	5.1	3.1	2.3	3.8	1.3	1.2	0.46
3	0.64	8.9	41	6.2	8.2	4.7	3.0	2.2	3.4	1.3	1.1	0.88
4	0.61	4.2	128	5.8	7.6	4.4	5.6	2.2	3.0	1.1	1.1	0.45
5	0.62	4.5	58	5.4	7.6	7.2	5.1	2.2	2.7	1.1	1.0	8.7
6	0.63	3.6	33	5.6	6.6	18	25	2.2	2.5	1.1	0.97	32
7	0.63	3.8	28	16	7.4	8.6	23	2.1	2.3	1.1	0.92	1.6
8	0.66	3.0	23	8.6	5.8	6.4	7.9	2.1	2.2	1.1	0.87	0.99
9	0.69	2.7	21	12	5.5	5.4	5.9	2.0	2.1	1.1	0.85	0.85
10	0.73	2.5	17	9.7	5.3	5.1	6.1	1.9	2.0	1.1	0.85	0.72
11	0.73	4.3	21	6.8	5.1	4.9	4.8	1.8	2.0	1.3	0.88	0.65
12	17	13	18	5.8	4.9	4.7	4.6	2.5	1.9	1.3	0.88	e0.60
13	3.7	6.5	14	5.3	4.7	4.4	4.6	2.9	4.5	1.1	0.86	e0.60
14	6.3	4.5	22	5.1	4.5	4.2	4.9	1.9	2.5	1.1	0.82	0.58
15	18	3.9	28	5.2	4.4	4.0	5.1	1.8	2.1	1.2	0.78	0.93
16	5.4	3.5	59	5.1	4.9	4.8	4.6	2.6	1.9	1.3	0.84	0.93
17	2.0	16	54	4.9	4.3	4.2	3.7	2.3	1.7	1.3	0.78	0.79
18	1.7	15	37	4.6	4.2	3.8	3.4	4.3	1.6	1.3	0.73	0.55
19	4.3	181	35	4.4	4.7	9.9	12	2.7	1.6	1.3	0.71	0.52
20	7.2	122	103	4.2	4.6	30	4.7	2.0	1.7	1.3	0.70	0.56
21	2.5	57	37	4.0	4.4	8.7	4.2	6.0	1.5	1.2	0.73	0.67
22	7.8	31	29	4.1	14	7.1	3.9	15	1.5	1.2	0.73	1.9
23	2.8	70	37	7.6	9.2	5.9	3.5	59	2.7	1.2	1.1	5.0
24	6.5	79	35	7.6	5.9	5.3	3.2	23	3.5	1.2	0.86	11
25	8.7	31	53	11	6.8	5.0	3.1	8.5	3.0	1.1	1.2	6.4
26	3.1	22	38	7.1	5.1	4.6	2.8	7.7	4.0	1.1	1.2	1.5
27	13	18	22	13	4.8	4.3	2.7	24	1.9	1.1	2.0	3.6
28	33	16	17	20	6.8	3.8	2.6	9.5	1.6	1.1	0.52	55
29	11	21	13	42	---	3.6	e3.6	17	1.5	1.1	1.8	53
30	21	34	10	22	---	3.5	2.6	6.9	1.4	1.1	0.67	34
31	8.7	---	8.8	15	---	3.4	---	5.0	---	1.1	0.52	---
Total	190.94	801.1	1,161.8	288.2	178.9	200.3	172.5	228.0	72.4	36.7	29.27	225.89
Mean	6.16	26.7	37.5	9.30	6.39	6.46	5.75	7.35	2.41	1.18	0.94	7.53
Max	33	181	128	42	14	30	25	59	4.5	1.4	2.0	55
Min	0.61	2.5	8.8	4.0	4.2	3.4	2.6	1.8	1.4	1.1	0.52	0.45
Ac-ft	379	1,590	2,300	572	355	397	342	452	144	73	58	448
Cfsm	0.98	4.25	5.97	1.48	1.02	1.03	0.92	1.17	0.38	0.19	0.15	1.20
In.	1.13	4.75	6.88	1.71	1.06	1.19	1.02	1.35	0.43	0.22	0.17	1.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.09	11.1	21.2	21.8	12.3	14.6	9.36	5.84	3.87	1.35	1.14	1.90
Max	6.16	26.7	37.5	52.7	18.0	30.1	16.7	9.65	16.6	2.68	3.23	7.53
(WY)	(2013)	(2013)	(2013)	(2006)	(2006)	(2012)	(2011)	(2005)	(2010)	(2011)	(2004)	(2013)
Min	0.81	3.11	7.65	5.18	3.32	5.99	3.40	1.77	1.30	0.82	0.48	0.49
(WY)	(2003)	(2003)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2003)	(2002)	(2006)	(2008)

14211315 TRYON CREEK NEAR LAKE OSWEGO, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2002 - 2013	
Annual total	5,275.06		3,586.00			
Annual mean	14.4		9.82		8.96	
Highest annual mean					12.5	2006
Lowest annual mean					4.95	2005
Highest daily mean	326	Jan 19	181	Nov 19	326	Jan 19, 2012
Lowest daily mean	0.61	Oct 4	0.45	Sep 4	0.11	Sep 14, 2002
Annual seven-day minimum	0.63	Oct 1	0.63	Oct 1	0.16	Aug 30, 2002
Annual runoff (ac-ft)	10,460		7,110		6,490	
Annual runoff (cfs)	2.30		1.56		1.43	
Annual runoff (inches)	31.25		21.24		19.39	
10 percent exceeds	34		24		21	
50 percent exceeds	6.8		4.2		3.9	
90 percent exceeds	0.84		0.85		0.78	

