

14090400 WHITEWATER RIVER NEAR CAMP SHERMAN, OR

Deschutes Basin
Upper Deschutes Subbasin

LOCATION.--Lat 44°43'09", long 121°38'21" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.11, T.10 S., R.9 E., Jefferson County, OR, Hydrologic Unit 17070301, Warm Springs Indian Reservation, on left bank, 300 ft upstream from road J-100 bridge, 18 mi north of Camp Sherman and at mile 7.5.

DRAINAGE AREA.--22.80 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1982 to June 2009 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,240 ft above NGVD of 1929, from topographic map. July 1982 to Feb. 7, 1996, at comparable site ¼ mi downstream, at different datum. Feb. 8, 1996 to Sept. 30, 2001, at comparable site 300 ft downstream, at different datum.

REMARKS.--Records fair except those above 320 ft³/s and estimated daily discharges, which are poor. No regulation or diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--26 years (water years 1983-2008), 84.2 ft³/s, 50.19 in/yr, 61,020 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,320 ft³/s Feb. 7, 1996, on basis of slope-area measurement of peak flow, gage height, unknown; maximum gage height, 8.30 ft Feb. 9, 1996, site and datum then in use, from floodmark, owing to debris, channel fill and channel reconfiguration; minimum daily discharge, 28 ft³/s Dec. 22, 1990, but may have been less during periods of ice effect.

EXTREMES FOR PERIOD OCTOBER 2008 TO JUNE 2009.--Peak discharges greater than base discharge of 220 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0300	*583	*6.52
May 5	0430	254	6.15
Jun 1	1930	236	6.08

Minimum discharge, 37 ft³/s, Dec. 17, gage height, 4.55 ft, but may have been less during period of ice effect Dec.16.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	63	49	56	119	69	58	59	92	217	---	---	---
2	62	54	63	150	69	62	66	98	207	---	---	---
3	70	53	57	111	67	62	62	96	207	---	---	---
4	95	52	55	96	65	60	59	115	e210	---	---	---
5	64	48	55	112	64	59	59	215	202	---	---	---
6	62	70	54	111	64	58	59	195	195	---	---	---
7	72	83	55	e140	63	56	60	182	182	---	---	---
8	60	85	54	e150	62	56	e62	158	169	---	---	---
9	57	69	53	e120	62	56	e66	152	---	---	---	---
10	54	62	53	e110	62	55	e69	146	---	---	---	---
11	52	73	52	e105	61	55	e68	151	---	---	---	---
12	51	202	53	e104	60	54	e69	158	---	---	---	---
13	51	269	52	e102	60	55	e85	143	---	---	---	---
14	50	97	51	e100	59	55	e75	188	---	---	---	---
15	49	73	46	e97	59	61	e71	178	---	---	---	---
16	51	67	e41	e93	57	57	e70	169	---	---	---	---
17	52	64	45	e92	56	55	73	181	---	---	---	---
18	51	62	49	e90	55	56	73	e192	---	---	---	---
19	49	60	48	e88	55	56	74	e196	---	---	---	---
20	50	63	48	e88	55	59	79	176	---	---	---	---
21	50	61	52	e87	54	60	93	167	---	---	---	---
22	48	60	47	e85	55	58	108	165	---	---	---	---
23	48	59	46	e84	62	56	113	169	---	---	---	---
24	47	59	47	e83	65	57	105	175	---	---	---	---
25	48	58	46	e82	66	59	99	170	---	---	---	---
26	47	58	45	79	60	58	93	168	---	---	---	---
27	47	57	60	78	57	59	95	173	---	---	---	---
28	47	56	95	77	55	66	95	e180	---	---	---	---
29	46	57	e80	74	---	64	96	e190	---	---	---	---
30	46	56	e72	73	---	60	95	e200	---	---	---	---
31	48	---	67	71	---	60	---	209	---	---	---	---
Total	1,687	2,236	1,697	3,051	1,698	1,802	2,350	5,147	---	---	---	---
Mean	54.4	74.5	54.7	98.4	60.6	58.1	78.3	166	---	---	---	---
Max	95	269	95	150	69	66	113	215	---	---	---	---
Min	46	48	41	71	54	54	59	92	---	---	---	---
Ac-ft	3,350	4,440	3,370	6,050	3,370	3,570	4,660	10,210	---	---	---	---
Cfsm	2.39	3.27	2.40	4.32	2.66	2.55	3.44	7.28	---	---	---	---
In.	2.75	3.65	2.77	4.98	2.77	2.94	3.83	8.40	---	---	---	---

Calendar Year 2008

Total	32,617
Mean	89.1
Max	336
Min	41
Ac-ft	64,700
Cfsm	3.91
In.	53.22

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