Water-Data Report 2013

14128870 COLUMBIA RIVER BELOW BONNEVILLE DAM, OR

Lower Columbia Basin
Lower Columbia-Sandy Subbasin

LOCATION.--Lat 45°37′59″, long 121°57′39″ referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.21, T.2 N., R.7 E., Multnomah County, OR, Hydrologic Unit 17080001, on left bank, 0.9 mi downstream from Bonneville Dam left bank powerhouse, 50 ft upstream from Tanner Creek and at mile 144.5.

DRAINAGE AREA.--239,900 mi^2, approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to August 15, 1990, at site 0.5 mi upstream at same datum.

REMARKS.--Flow regulated by many reservoirs upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.11 ft Feb. 9, 1996; minimum, 6.06 ft Sept. 21, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.36 ft May 12; minimum, 6.21 ft Oct. 7.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 14128870, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/14128870.2013.pdf

14128870 COLUMBIA RIVER BELOW BONNEVILLE DAM, OR—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	9.71	7.33	8.50	16.05	11.19	12.45	17.76	13.50	14.92	16.83	14.71	15.92
2	9.64	7.75	8.67	14.52	11.30	12.18	18.37	13.76	15.46	18.49	14.92	17.39
3	10.98	9.08	9.93	13.02	11.28	11.56	18.43	13.60	15.84	17.84	14.89	15.97
4	11.12	7.49	9.43	13.15	11.27	12.06	17.80	14.47	16.61	16.52	15.24	15.80
5	10.47	7.09	7.68	13.23	11.20	11.61	18.28	17.13	17.78	16.50	14.31	15.45
6	8.23	6.66	7.18	11.77	11.27	11.42	18.97	17.25	18.10	16.40	14.01	14.92
7	7.82	6.21	6.86	11.68	11.21	11.38	19.14	17.29	18.32	15.40	13.58	14.54
8	7.71	6.84	7.31	11.65	11.25	11.43	19.20	17.84	18.36	16.85	13.58	15.42
9	11.78	7.62	9.74	11.69	11.23	11.45	18.99	17.94	18.37	18.83	15.11	17.67
10	10.02	7.65	9.00	15.02	11.27	12.20	18.99	16.10	17.06	18.44	16.16	16.98
11	9.47	8.10	8.67	14.75	11.28	12.26	19.49	15.59	17.66	18.63	16.16	16.86
12	9.14	6.83	8.02	15.29	11.37	12.87	19.39	16.03	17.66	17.90	16.06	16.90
13	8.36	6.68	7.45	16.71	11.35	12.93	19.11	17.87	18.43	17.70	16.01	16.69
14	8.76	6.75	7.60	17.76	11.27	13.51	18.82	17.85	18.51	17.14	16.15	16.38
15	10.83	7.06	8.42	17.76	11.25	13.23	18.70	16.79	17.65	17.61	16.06	16.88
16	10.55	8.00	9.11	17.05	11.28	13.04	18.89	16.13	17.30	17.43	16.81	17.11
17	10.17	7.86	8.93	16.22	11.29	12.90	18.91	15.56	16.94	17.65	14.49	17.02
18	10.55	7.93	9.10	16.44	11.28	13.16	19.71	17.73	18.42	17.25	13.90	15.74
19	10.41	7.48	8.38	18.00	11.30	13.65	19.94	16.17	17.59	15.84	13.44	14.76
20	9.70	7.06	8.29	18.80	12.19	14.98	16.95	15.51	15.97	15.55	14.07	14.69
21	9.77	8.56	9.19	18.74	12.26	14.62	18.83	14.65	16.27	16.54	14.45	15.48
22	12.17	8.26	10.40	18.74	12.23	14.53	17.64	15.38	16.86	16.43	15.16	15.74
23	11.72	9.63	10.86	17.86	12.20	14.15	17.57	14.34	15.65	16.92	15.15	16.09
24	13.26	8.48	10.53	17.86	12.23	14.37	16.07	13.99	14.99	16.19	13.49	14.88
25	13.59	8.85	11.00	17.74	12.35	14.26	15.92	14.04	14.82	16.35	15.12	15.74
26	14.29	10.41	12.12	18.72	12.29	14.35	16.39	11.89	14.82	16.35	13.60	14.56
27	14.33	10.12	11.38	17.03	12.37	14.14	16.87	14.66	15.52	14.13	13.46	13.77
28	14.34	8.36	10.50	15.61	13.70	14.14	17.13	14.46	15.69	14.28	13.47	13.69
29	16.19	11.00	12.82	15.12	13.84	14.08	17.75	13.75	15.74	13.92	13.54	13.65
30	16.45	11.08	13.22	16.78	13.51	14.20	18.17	16.93	17.43	14.87	13.60	14.04
31	16.33	11.12	12.94	---	---	---	17.58	15.61	17.23	16.82	14.84	15.70
Month	16.45	6.21	9.46	18.80	11.19	13.10	19.94	11.89	16.84	18.83	13.44	15.69

14128870 COLUMBIA RIVER BELOW BONNEVILLE DAM, OR—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	16.78	13.41	14.24	12.99	11.74	12.03	16.87	14.19	15.88	20.56	18.51	19.59
2	13.90	13.46	13.66	12.73	11.81	12.00	16.15	13.23	14.83	19.38	17.75	18.61
3	13.80	13.48	13.66	13.41	11.63	11.92	15.99	13.12	14.83	20.00	17.48	18.94
4	13.84	13.41	13.65	13.50	11.79	12.00	17.30	15.37	16.31	19.46	17.39	18.27
5	13.90	13.41	13.67	13.73	11.77	12.03	18.77	17.02	18.04	19.20	17.38	18.54
6	14.02	13.34	13.63	13.84	11.85	12.09	18.87	17.52	18.29	19.23	17.24	18.19
7	13.94	13.53	13.68	13.20	11.84	12.12	20.50	18.65	20.06	20.43	17.26	19.14
8	14.11	13.48	13.69	14.80	11.77	12.06	20.53	19.44	20.14	21.19	18.52	20.32
9	14.03	13.48	13.70	14.23	11.77	12.05	22.68	20.14	21.80	21.52	19.60	20.89
10	13.93	13.51	13.68	13.91	11.88	12.12	23.38	20.49	22.24	23.75	21.38	22.37
11	14.37	13.57	13.73	13.67	11.86	12.07	23.33	20.24	21.76	25.19	23.41	24.54
12	14.26	13.45	13.71	13.70	11.86	12.08	23.67	22.59	22.91	25.36	24.28	24.86
13	13.98	13.50	13.69	13.56	11.82	12.07	22.65	19.21	20.85	24.46	23.76	24.23
14	13.93	13.47	13.63	13.61	11.75	12.01	21.46	19.26	20.40	24.94	23.53	24.25
15	13.84	13.48	13.65	13.52	11.71	11.98	22.28	21.01	21.45	25.04	24.60	24.80
16	14.00	13.41	13.67	13.73	11.81	12.04	22.47	21.49	21.99	25.00	24.07	24.49
17	14.06	13.52	13.72	13.87	11.79	12.05	21.83	19.82	20.60	24.22	22.50	22.97
18	13.97	13.49	13.68	13.81	11.76	11.99	20.41	18.85	19.44	23.78	23.19	23.62
19	13.98	13.52	13.69	13.82	11.75	12.04	19.14	16.97	18.46	23.87	23.62	23.75
20	13.98	13.08	13.48	13.90	11.75	12.06	19.68	16.80	18.21	23.81	22.63	23.26
21	13.98	12.97	13.24	13.70	11.73	12.08	19.57	18.38	18.82	22.86	20.66	22.44
22	13.64	12.49	12.90	14.02	11.87	12.50	20.34	19.42	19.99	22.26	20.47	21.16
23	13.65	12.49	12.71	13.97	12.49	12.75	20.30	18.01	18.98	23.92	22.08	22.92
24	13.61	12.00	12.45	13.76	12.38	12.64	18.28	16.86	17.59	23.47	22.15	22.93
25	13.59	12.01	12.26	13.88	12.19	12.58	18.17	17.06	17.77	22.73	21.88	22.14
26	13.65	11.77	12.10	14.48	12.42	12.84	18.77	15.83	17.47	23.29	22.28	22.85
27	13.87	11.81	12.08	13.89	11.99	12.64	19.67	16.55	18.19	23.19	21.91	22.56
28	13.57	11.77	12.12	14.37	12.04	12.92	19.46	17.45	18.59	23.18	22.39	22.66
29	---	---	---	14.38	12.20	12.87	18.94	17.62	18.25	22.69	21.32	22.12
30	---	---	---	17.02	12.13	15.02	20.64	18.20	19.12	21.96	20.39	20.73
31	---	---	---	16.54	14.62	15.32	---	---	---	21.46	20.60	21.08
Month	16.78	11.77	13.35	17.02	11.63	12.42	23.67	13.12	19.11	25.36	17.24	21.91

14128870 COLUMBIA RIVER BELOW BONNEVILLE DAM, OR—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	21.32	19.74	20.23	22.31	19.76	20.89	16.55	13.59	15.15	13.53	9.79	10.30
2	19.74	17.53	18.15	22.23	20.64	21.31	16.58	13.15	14.52	10.36	8.58	9.58
3	20.75	17.98	20.05	21.61	20.28	21.05	15.96	13.27	14.64	10.19	8.54	9.51
4	20.36	18.91	19.47	21.73	19.77	20.66	15.16	13.12	14.10	10.96	8.14	9.66
5	20.91	18.66	19.76	21.73	18.88	20.62	15.16	13.15	13.99	10.78	7.77	9.47
6	21.05	19.47	20.20	21.34	20.47	20.76	15.28	14.06	14.69	10.56	7.75	9.66
7	20.91	18.02	19.41	20.68	19.13	20.07	15.87	13.38	14.76	10.80	8.04	9.41
8	19.54	19.17	19.36	20.78	18.33	19.34	14.96	12.45	13.71	10.74	7.42	8.73
9	19.64	19.09	19.36	20.76	17.38	18.53	14.86	11.54	13.11	10.49	7.33	8.38
10	20.55	18.67	19.97	17.58	16.11	16.92	14.90	12.56	13.51	12.43	8.67	10.79
11	19.08	17.13	18.19	18.33	15.61	16.96	14.35	10.75	12.25	12.61	10.42	11.69
12	20.07	17.83	19.09	17.12	15.76	16.09	14.50	10.92	12.34	12.82	9.77	11.10
13	21.12	18.62	19.89	19.02	15.08	17.07	14.87	12.64	14.11	12.83	10.10	11.37
14	19.95	17.88	19.22	18.30	16.01	16.91	15.47	13.53	14.67	12.51	8.80	10.38
15	19.88	18.73	19.18	18.54	15.44	17.18	15.40	11.83	13.35	9.99	8.12	8.93
16	19.25	16.77	17.77	18.59	16.03	16.76	14.38	12.08	13.31	9.96	7.73	8.97
17	18.54	16.17	17.26	17.53	14.78	15.95	14.60	12.79	13.45	12.27	8.02	10.63
18	19.58	15.79	17.67	16.82	15.37	15.91	14.34	11.12	12.72	11.21	8.59	9.81
19	18.51	15.79	17.02	16.83	14.87	15.56	14.47	11.29	12.94	11.49	8.19	9.70
20	18.36	16.77	17.75	17.97	14.69	16.28	14.77	12.63	13.47	11.89	9.41	10.84
21	19.55	16.51	18.08	17.49	15.22	15.94	14.77	11.95	13.25	9.83	7.98	8.86
22	21.09	18.84	19.70	17.95	14.69	16.37	14.62	12.85	13.52	9.44	7.55	8.36
23	21.20	19.79	20.27	18.01	14.18	15.37	14.59	11.11	12.73	11.44	7.73	10.02
24	21.11	19.16	19.93	15.91	13.15	14.04	14.32	10.90	12.14	10.66	8.14	9.42
25	21.52	19.82	20.82	15.22	13.30	14.07	11.78	10.47	11.07	11.06	8.40	9.74
26	21.39	19.53	20.62	17.12	13.86	15.68	12.93	10.50	10.97	11.85	8.60	9.87
27	22.07	20.27	21.07	17.12	12.80	14.02	13.35	10.47	11.53	10.52	7.79	9.03
28	21.44	19.55	20.75	14.43	12.29	13.17	13.78	10.55	11.66	10.24	9.28	9.73
29	22.11	21.08	21.47	14.34	12.94	13.50	14.02	10.61	12.03	11.26	9.68	10.39
30	21.94	18.95	21.14	15.36	12.57	14.25	14.07	10.75	12.17	11.81	10.40	11.01
31	---	---	---	16.44	13.26	14.74	13.92	10.72	12.27	---	---	---
Month	22.11	15.79	19.43	22.31	12.29	16.97	16.58	10.47	13.17	13.53	7.33	9.84

	Max	Min	Mean
Year	25.36	6.21	15.12