

**12098500 WHITE RIVER NEAR BUCKLEY, WA**

Puget Sound Basin  
Puyallup Subbasin

LOCATION.--Lat 47°09'05", long 121°56'55" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.8, T.19 N., R.7 E., King County, WA, Hydrologic Unit 17110014, on right bank 0.4 mi upstream from Red Creek, 1.7 mi downstream from Mud Mountain Dam, 3.8 mi east of Buckley, 7.4 mi downstream from Clearwater River and at mile 27.9.

DRAINAGE AREA.--401 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1928 to November 1933, October 1938 to September 2003 (discharge only). October 2003 to September 2006 (stage only).

REVISED RECORDS.--WSP 1247: Drainage area.

GAGE.-- Water-stage recorder. Datum of gage is NGVD of 1929 (Corps of Engineers benchmark). Oct. 26, 2004 to Sept. 30, 2005, gage located 50 ft downstream of stilling well at present datum. Oct. 26 to Dec. 9, 1928, nonrecording gage, and Dec. 9, 1928, to Nov. 30, 1933, water-stage recorder at site 3.0 mi upstream at different datum. Nov. 26, 1938, to Feb. 14, 1939, nonrecording gage at stilling well with present datum.

COOPERATION.--Water-stage recorder inspected by Corps of Engineers.

REMARKS.--Flow regulated by Mud Mountain Lake (station 12098000) for flood control. Storage is not retained and observed annual runoff closely represents natural runoff of the basin. No diversion upstream from station. U.S. Geological Survey satellite telemeter at station. Chemical analyses July 1981; water temperatures March 1971 to September 1972; sediment records November 1971 to November 1972.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--70 years (water years 1929-33, 1939-2003), 1,435 ft<sup>3</sup>/s, 48.60 in/yr, 1,040,000 acre-ft/yr, adjusted for storage since December 1943.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft<sup>3</sup>/s, Feb. 26, 1932, gage height, 17.5 ft, site and datum then in use, from rating curve extended above 3,500 ft<sup>3</sup>/s; probably no flow for part of each day Oct. 1, 2, 7, 8, Nov. 14, Dec. 1, 5, 15, 1958; Jan. 3, Mar. 24, June 8, Aug. 19, 1959; minimum daily discharge, 59 ft<sup>3</sup>/s, June 25, 1957, Mar. 26, 1958.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1933 reached a stage of 23.4 ft, from floodmarks, at former site, discharge, 28,000 ft<sup>3</sup>/s, from rating curve extended above 3,500 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 808.15 ft<sup>3</sup>/s, Jan 11; minimum elevation, 801.80 ft<sup>3</sup>/s, Sept. 30.

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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	804.19	804.43	802.84	804.58	804.84	803.20	802.88	803.92	804.27	803.75	802.49	802.07
2	803.35	804.26	802.83	804.16	804.63	803.16	802.86	803.68	804.84	803.72	802.46	802.06
3	802.94	803.78	802.75	803.81	804.56	803.08	802.84	803.54	804.99	803.70	802.47	802.13
4	802.70	803.66	802.67	803.65	804.68	803.02	802.98	803.48	804.93	803.75	802.46	802.20
5	802.54	803.54	802.63	803.51	804.43	802.96	803.02	803.50	804.91	803.74	802.40	802.26
6	802.45	803.65	802.61	804.25	804.16	802.91	803.04	803.58	804.64	803.61	802.23	802.25
7	802.57	803.49	802.57	804.80	803.94	802.89	802.99	803.58	804.50	803.38	802.75	802.16
8	802.51	803.26	802.52	804.50	803.81	802.91	803.05	803.55	804.38	803.27	802.88	802.13
9	802.42	803.09	802.49	804.57	803.68	802.95	803.20	803.42	804.17	803.31	802.68	802.14
10	802.34	803.08	802.48	806.03	803.55	802.86	803.17	803.35	804.04	803.38	802.67	802.04
11	802.38	803.35	802.54	807.41	803.44	802.80	803.11	803.41	804.01	803.26	802.51	802.01
12	802.32	803.30	802.61	806.72	803.35	802.71	803.12	803.46	804.15	803.18	802.42	802.05
13	802.46	803.44	802.60	806.03	803.34	802.65	803.18	803.39	804.56	803.19	802.39	802.05
14	802.50	803.73	802.52	805.65	803.27	802.63	803.64	803.39	804.34	803.10	802.41	801.99
15	802.46	803.47	802.49	805.05	803.15	802.60	803.73	803.64	804.22	803.10	802.45	801.91
16	802.44	803.30	802.47	804.74	803.07	802.57	803.53	804.34	804.20	803.05	802.41	801.87
17	802.56	803.18	802.44	804.59	802.94	802.57	803.37	805.02	804.18	803.00	802.37	801.83
18	802.59	803.11	802.33	803.51	802.85	802.62	803.28	805.38	803.99	802.91	802.39	801.88
19	802.63	803.14	802.41	803.09	802.86	802.55	803.19	805.35	803.86	802.87	802.41	802.07
20	802.85	803.21	802.53	803.54	802.85	802.54	803.19	805.18	803.78	802.87	802.42	801.96
21	802.73	803.22	803.00	804.26	802.86	802.53	803.37	804.83	803.74	803.01	802.41	802.15
22	802.59	803.19	803.49	804.97	802.86	802.52	803.32	804.75	803.67	803.17	802.43	802.08
23	802.50	803.13	804.22	804.85	802.99	802.52	803.26	804.83	803.66	803.20	802.36	801.92
24	802.44	803.05	804.58	804.87	802.91	802.61	803.27	804.81	803.69	803.17	802.32	801.90
25	802.37	803.19	805.31	804.59	802.80	802.68	803.30	804.64	803.84	803.05	802.26	801.90
26	802.40	803.31	805.31	803.86	802.78	802.62	803.35	804.41	804.03	802.95	802.28	801.88
27	802.30	803.08	805.22	803.69	802.97	802.56	803.36	804.28	804.15	802.92	802.29	801.89
28	802.28	802.97	805.21	803.62	803.29	802.64	803.56	804.76	804.07	802.88	802.30	801.91
29	802.28	802.97	805.02	803.65	---	802.70	804.07	804.53	803.84	802.76	802.32	801.90
30	802.25	802.92	804.46	805.18	---	802.69	804.15	804.26	803.70	802.62	802.17	801.86
31	803.51	---	804.72	805.18	---	802.70	---	804.13	---	802.52	802.09	---
<b>Mean</b>	802.61	803.35	803.29	804.61	803.46	802.74	803.28	804.14	804.18	803.17	802.42	802.01
<b>Max</b>	804.19	804.43	805.31	807.41	804.84	803.20	804.15	805.38	804.99	803.75	802.88	802.26
<b>Min</b>	802.25	802.92	802.33	803.09	802.78	802.52	802.84	803.35	803.66	802.52	802.09	801.83

Water Year 2006	
<b>Mean</b>	803.27
<b>Max</b>	807.41
<b>Min</b>	801.83

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