

Water-Data Report 2013

## 12100500 WHITE RIVER NEAR SUMNER, WA

Puget Sound Basin  
Puyallup Subbasin

LOCATION.--Lat 47°15'01", long 122°14'33" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.1, T.20 N., R.4 E., Pierce County, WA, Hydrologic Unit 17110014, on downstream side of 8th street bridge, 3.5 mi north of Sumner, and at mile 4.9.

DRAINAGE AREA.--477 mi<sup>2</sup>,

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1945 to June 1971 (daily discharge records). October 2012 to April 2013 (elevation seasonal records). Prior to October 1959, published as Stuck River near Sumner.

REVISED RECORDS.--WSP 1216: Drainage area. WSP 1716: 1959.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is NGVD of 1929.

REMARKS.--Elevation record only. Since November 1911, White River Flume (station 12098920) has diverted water from left bank 19.4 mi upstream for storage in, and maintenance of, Lake Tapps (station 12101000). Water is returned to White River 1.3 mi downstream via the Lake Tapps Diversion (station 12101100). Power development at White River Powerplant at Dieringer was discontinued in 2004. Since 1942, flow regulated by Mud Mountain Lake (station 12098000) for flood control. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--25 years (water years 1946-70), 615 ft<sup>3</sup>/s, 445,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft<sup>3</sup>/s, Dec. 12, 1955, elevation, 61.40 ft; maximum elevation, 63.20 ft, Nov. 24, 2012; minimum discharge, 28 ft<sup>3</sup>/s, Nov. 1, 1958; minimum elevation, 48.48 ft, Feb. 1, 1945 (channel affected by dredging).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 63.20 ft, Nov. 24; minimum elevation, 58.11 ft, part of each day Oct. 10-12.

## 12100500 WHITE RIVER NEAR SUMNER, WA—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	58.32	61.05	59.97	59.06	61.43	60.46	59.94	---	---	---	---	---
2	58.38	60.32	60.00	59.01	60.91	60.85	60.32	---	---	---	---	---
3	58.31	59.94	60.18	58.95	60.52	60.60	60.37	---	---	---	---	---
4	58.24	59.72	60.45	58.99	60.15	60.21	60.35	---	---	---	---	---
5	58.20	59.78	61.34	58.98	59.94	59.88	61.03	---	---	---	---	---
6	58.16	59.64	60.96	59.00	59.87	59.65	61.80	---	---	---	---	---
7	58.14	59.63	60.96	59.42	59.76	59.65	62.21	---	---	---	---	---
8	58.15	59.42	60.72	60.08	59.60	59.32	62.11	---	---	---	---	---
9	58.14	59.27	60.31	60.60	59.48	59.00	61.80	---	---	---	---	---
10	58.14	59.13	60.45	60.40	59.38	58.92	61.66	---	---	---	---	---
11	58.14	59.06	60.44	59.98	59.28	58.92	62.01	---	---	---	---	---
12	58.15	59.71	60.44	59.68	59.20	59.00	61.58	---	---	---	---	---
13	58.19	59.74	60.15	59.48	59.25	59.54	61.48	---	---	---	---	---
14	58.30	59.61	60.10	59.42	59.27	59.78	61.07	---	---	---	---	---
15	58.71	59.56	59.92	59.34	59.25	60.10	60.75	---	---	---	---	---
16	59.33	59.42	59.87	59.24	59.33	60.64	60.48	---	---	---	---	---
17	58.98	59.33	60.13	59.19	59.38	60.64	60.25	---	---	---	---	---
18	58.64	59.37	59.87	59.16	59.30	60.09	60.13	---	---	---	---	---
19	58.92	60.02	59.71	59.12	59.23	59.67	61.21	---	---	---	---	---
20	59.52	61.95	59.81	59.18	59.13	59.83	62.68	---	---	---	---	---
21	59.06	61.11	59.69	59.32	59.10	59.90	62.15	---	---	---	---	---
22	58.78	60.58	59.55	59.40	59.15	59.57	61.74	---	---	---	---	---
23	58.65	60.57	59.46	59.41	59.14	59.62	61.11	---	---	---	---	---
24	58.54	62.80	59.47	59.41	59.02	59.50	60.73	---	---	---	---	---
25	58.50	61.72	59.52	59.45	59.06	59.37	60.53	---	---	---	---	---
26	58.46	61.02	59.47	59.50	59.00	59.28	60.49	---	---	---	---	---
27	58.67	60.47	59.44	59.39	58.89	59.24	60.66	---	---	---	---	---
28	61.01	60.16	59.36	59.45	59.14	59.28	60.85	---	---	---	---	---
29	61.49	59.99	59.26	60.09	---	59.31	61.04	---	---	---	---	---
30	61.45	59.90	59.20	60.74	---	59.34	60.86	---	---	---	---	---
31	62.07	---	59.11	61.45	---	59.51	---	---	---	---	---	---

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