

12061500 SKOKOMISH RIVER NEAR POTLATCH, WA

Puget Sound Basin
Skokomish Subbasin

LOCATION.--Lat 47°18'36", long 123°10'33" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.15, T.21 N., R.4 W., Mason County, WA, Hydrologic Unit 17110017, on upstream side of right pier of bridge on U.S. Highway 101, 3.7 mi downstream from confluence of North and South Forks, 4.7 mi southwest of Potlatch, and at mile 5.3.

DRAINAGE AREA.--227 mi², including 97.9 mi² (revised) upstream from Cushman Dam No. 2, which is noncontributing except during spillage.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WSP 1716: 1950(M), 1956. WSP 1932: Drainage area. WDR WA-72: 1968(M), 1971(M). WDR WA-75: 1974.

GAGE.--Water-stage recorder. Datum of gage is 10.67 ft above NGVD of 1929. Prior to May 27, 1964, water-stage recorders or nonrecording gage at several sites about 0.6 mi upstream at different datums. Supplementary water-stage recorder on right bank at site 0.6 mi upstream at datum 16.47 ft above NGVD of 1929 used Nov. 16 to Dec. 10, 1964, June 11 to July 7, and Nov. 2-24, 1965.

REMARKS.--No estimated daily discharges. Records good. Flow partly regulated at Lake Cushman and Cushman Reservoir No. 2. In normal years, about half of the flow of North Fork is diverted at Cushman Dam No. 2 and is discharged into Hood Canal through Cushman powerplant No. 2. Chemical analyses August 1960 to September 1961, October 1961 to September 1970 (partial-record station), October 1971 to September 1974. Water temperature May 1955 to September 1962, October 1963 to September 1982. Water temperature and specific conductance July 1996 to April 1998. U.S. Geological Survey satellite telemeter at station. Due to bank overflow, discharges above 15.49 ft gage height cannot be determined by direct methods.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--66 years (water years 1944-2009), 1,220 ft³/s, 129.46 in/yr, 883,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,600 ft³/s, Nov. 23, 1990, gage height, 16.80 ft (floodmark), from rating curve extended above 14,000 ft³/s; maximum gage height, 18.16 ft, Dec. 3, 2007; minimum discharge, 99 ft³/s, Oct. 27, 28, Nov. 6-9, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1933 reached an elevation of 30.8 ft above NGVD of 1929 at site on left bank 150 ft upstream from old highway bridge, discharge, 18,600 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, maximum gage height, 17.99 ft, Dec. 12; minimum discharge, 302 ft³/s, Aug. 19-21.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	523	---	2,350	1,640	1,480	1,210	---	1,220	1,050	573	399	345
2	483	---	1,800	1,490	1,370	1,450	3,140	1,220	1,030	552	392	344
3	455	2,530	1,520	1,380	1,290	1,650	2,440	1,250	1,000	563	388	340
4	436	1,930	1,340	1,300	1,360	1,540	2,190	1,250	1,010	557	381	341
5	430	1,630	1,230	1,360	1,420	1,930	2,210	1,180	1,090	546	384	337
6	436	1,470	1,150	1,880	1,310	1,690	2,150	1,180	1,180	562	381	337
7	429	1,770	1,960	2,630	1,330	1,460	1,880	1,290	1,150	578	374	339
8	427	1,580	---	2,550	1,270	1,360	1,660	1,280	985	556	370	337
9	1,060	1,630	---	1,900	1,200	---	1,510	1,200	854	522	366	337
10	---	1,700	---	1,610	1,150	---	1,590	1,150	839	502	360	335
11	1,900	1,560	---	1,440	1,100	---	2,610	1,220	825	496	356	334
12	1,290	1,500	---	1,730	1,210	---	2,020	1,400	782	495	352	330
13	1,050	1,380	---	---	1,860	---	1,720	1,290	767	489	350	337
14	912	1,290	---	---	---	---	1,740	1,220	784	487	348	338
15	830	1,230	---	---	---	---	1,660	1,580	744	495	344	337
16	773	1,270	3,360	---	2,710	---	1,640	1,740	710	555	338	339
17	730	1,620	2,710	---	2,120	---	1,600	1,550	696	572	335	340
18	696	1,970	2,400	---	1,830	3,300	1,490	1,370	707	514	333	352
19	671	1,780	2,330	2,920	1,610	2,810	1,410	1,280	717	485	329	348
20	650	1,820	2,510	2,350	1,450	2,380	1,370	1,240	700	473	325	348
21	633	1,640	2,600	2,100	1,340	2,130	1,230	1,270	688	461	323	364
22	653	1,460	2,410	1,960	1,260	1,930	1,140	1,220	720	452	330	372
23	740	1,310	2,730	1,790	1,200	1,760	1,090	1,150	718	440	354	408
24	---	1,190	---	1,730	1,130	1,660	1,080	1,090	672	434	358	422
25	---	1,130	---	1,850	1,070	1,710	1,190	1,080	639	441	354	431
26	---	1,280	---	1,720	1,040	1,720	1,230	1,150	616	440	351	---
27	---	1,450	3,490	1,470	1,120	1,830	1,300	1,320	621	429	350	---
28	2,250	1,340	3,000	1,530	1,320	1,860	1,500	1,250	634	416	345	1,220
29	2,060	1,270	2,540	2,130	---	2,020	1,400	1,140	622	412	346	930
30	1,820	2,120	2,100	1,940	---	2,620	1,290	1,090	613	405	347	804
31	2,080	---	1,830	1,660	---	---	---	1,070	---	401	350	---
Total	---	---	---	---	---	---	---	38,940	24,163	15,303	11,013	---
Mean	---	---	---	---	---	---	---	1,256	805	494	355	---
Max	---	---	---	---	---	---	---	1,740	1,180	578	399	---
Min	---	---	---	---	---	---	---	1,070	613	401	323	---
Ac-ft	---	---	---	---	---	---	---	77,240	47,930	30,350	21,840	---
Cfsm	---	---	---	---	---	---	---	5.53	3.55	2.17	1.57	---
In.	---	---	---	---	---	---	---	6.38	3.96	2.51	1.80	---

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