

## SKOKOMISH RIVER BASIN

12056500 NORTH FORK SKOKOMISH RIVER BELOW STAIRCASE RAPIDS, NEAR HOODSPORT, WA

LOCATION.--Lat 47°30'52", long 123°19'43", in NW 1/4 sec.4, T.23 N., R.5 W., Mason County, Hydrologic Unit 17110017, Olympic National Park, on left bank 1.2 mi upstream from Lake Cushman, 2.8 mi upstream from Dry Creek, 11.3 mi northwest of Hoodsport, and at mile 29.2.

DRAINAGE AREA.--57.2 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1924 to current year.

REVISED RECORDS.--WSP 1286: 1932, 1935, 1937(M), 1942(M), 1947(P), 1948(M). WSP 1636: 1940(M). WSP 1736: 1927. WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 762.26 ft above NGVD of 1929. Prior to Nov. 1, 1934, water-stage recorder, and Nov. 1, 1934, to Nov. 10, 1941, nonrecording gages, on right bank at same datum.

REMARKS.--No estimated daily discharges. Records good. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station. Chemical analyses December 1973 to September 1985.

AVERAGE DISCHARGE.--78 years (water years 1925-2002), 510 ft<sup>3</sup>/s, 121.10 in/yr, 369,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,000 ft<sup>3</sup>/s Nov. 5, 1934, gage height, 14.4 ft, from high-water mark, from rating curve extended above 9,800 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 12.2 ft; minimum discharge recorded, 16 ft<sup>3</sup>/s Sept. 23, 1930, gage height, 1.12 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Nov. 14	2000	6,250	7.21	Jan. 07	1515	*12,900	*9.86
Nov. 20	0230	5,040	6.61	Feb. 22	0030	3,920	6.01
Dec. 16	1930	9,890	8.37	Apr. 14	0145	3,440	5.73
Jan. 02	0845	3,730	5.88				

Minimum discharge, 53 ft<sup>3</sup>/s Sept. 28, 29, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	593	810	1060	334	403	279	624	679	494	169	83
2	77	494	819	3180	323	366	283	661	723	450	163	83
3	74	378	585	2020	396	345	284	562	743	431	158	84
4	70	331	498	1230	357	332	314	484	726	399	159	80
5	66	303	440	1160	344	320	383	437	770	369	161	77
6	64	264	449	3900	419	300	425	398	718	362	164	75
7	62	240	426	9660	456	280	418	365	596	371	151	75
8	63	219	516	4620	388	263	379	342	513	388	143	74
9	62	203	517	2500	344	260	545	329	503	364	142	75
10	88	191	453	1640	324	281	838	317	613	382	145	73
11	105	192	407	1270	301	961	889	327	705	402	140	71
12	129	679	396	1280	280	770	1080	390	799	377	136	69
13	120	1150	1430	1030	263	568	1730	517	874	365	136	68
14	111	3470	1570	867	249	464	2350	485	902	342	135	67
15	92	3990	858	746	239	400	1140	446	805	312	129	67
16	83	1820	4980	660	238	355	816	426	702	303	121	102
17	79	1020	2980	596	235	318	653	471	686	292	113	83
18	74	740	1470	547	246	293	573	453	733	276	109	70
19	91	2790	1000	511	496	282	537	452	570	262	104	67
20	82	4200	793	500	411	280	518	513	532	253	102	67
21	95	3230	666	458	1940	260	503	571	589	245	99	64
22	272	2250	581	425	3410	262	489	540	646	241	98	61
23	514	1500	521	400	1710	274	455	511	605	245	97	60
24	302	1080	477	755	1070	295	432	484	543	241	98	58
25	402	840	440	981	743	309	420	556	559	237	98	58
26	362	694	411	631	596	311	416	641	607	226	95	57
27	469	604	397	511	511	296	408	703	592	208	93	56
28	323	595	461	440	448	284	393	1340	865	201	91	54
29	257	606	435	393	---	274	420	1590	1150	196	91	53
30	399	556	412	372	---	265	501	930	592	186	88	53
31	1090	---	454	354	---	264	---	744	---	177	86	---
TOTAL	6159	35222	26652	44697	17071	10935	18871	17609	20640	9597	3814	2084
MEAN	199	1174	860	1442	610	353	629	568	688	310	123	69.5
MAX	1090	4200	4980	9660	3410	961	2350	1590	1150	494	169	102
MIN	62	191	396	354	235	260	279	317	503	177	86	53
AC-FT	12220	69860	52860	88660	33860	21690	37430	34930	40940	19040	7570	4130
CFSM	3.47	20.5	15.0	25.2	10.7	6.17	11.0	9.93	12.0	5.41	2.15	1.21
IN.	4.01	22.91	17.33	29.07	11.10	7.11	12.27	11.45	13.42	6.24	2.48	1.36

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2002, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	369	713	792	698	634	499	515	660	603	341	157	145
MAX	1143	1762	1778	1915	1465	1325	901	1304	1332	1037	551	624
(WY)	1998	1984	1934	1953	1991	1972	1943	1956	1956	1999	1999	1978
MIN	42.3	40.0	244	124	111	190	268	333	180	88.5	54.9	50.2
(WY)	1988	1937	1979	1937	1929	1955	1975	1930	1992	1926	1926	1926

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1924 - 2002	
ANNUAL TOTAL	148580		213351			
ANNUAL MEAN	407		585		510	
HIGHEST ANNUAL MEAN					762	
LOWEST ANNUAL MEAN					256	
HIGHEST DAILY MEAN	4980		9660		9980	
LOWEST DAILY MEAN	62		53		17	
ANNUAL SEVEN-DAY MINIMUM	66		56		20	
ANNUAL RUNOFF (AC-FT)	294700		423200		369300	
ANNUAL RUNOFF (CFSM)	7.12		10.2		8.91	
ANNUAL RUNOFF (INCHES)	96.63		138.75		121.10	
10 PERCENT EXCEEDS	680		1080		1020	
50 PERCENT EXCEEDS	274		399		374	
90 PERCENT EXCEEDS	98		82		92	