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^2.

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 sea level. 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. Water temperatures April 1965 to September 1982, June 1989 to December 1989, December 1990 to April 1991, June 1992 to April 1998, specific conductance, April 1996 to April 1998.

AVERAGE DISCHARGE.--76 years (water years 1925-2000), 512 ft^3/s, 121.52 in/yr, 370,600 acre-ft/yr.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 06	1430	4,890	6.53	Dec. 15	1500	5,580	6.88
Nov. 11	1845	*10,200	*8.88	June 12	0515	3,220	5.56

Minimum discharge, 53 ft^3/s Sept. 27-29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	571	1250	467	941	390	345	470	600	473	233	97
2	108	406	2010	422	755	396	461	504	600	424	213	95
3	105	367	1200	436	489	389	596	564	626	396	204	92
4	103	357	907	658	405	397	682	522	728	374	201	89
5	110	303	842	518	364	362	528	467	807	361	201	86
6	125	3090	1130	450	470	325	436	419	841	349	200	84
7	191	1380	912	415	579	293	378	389	775	347	192	83
8	607	982	765	461	899	273	377	399	662	365	185	107
9	257	2930	739	428	845	256	451	415	640	366	180	104
10	181	2750	669	390	587	256	494	506	618	342	172	103
11	154	5070	803	361	475	294	546	475	735	335	160	96
12	144	3370	1850	341	409	274	641	432	2380	334	149	87
13	172	1910	1200	321	363	287	721	405	1210	331	142	84
14	156	1420	1010	315	332	425	870	441	1020	315	137	85
15	135	1290	3360	294	301	350	758	544	910	290	133	87
16	124	1270	2110	327	279	354	569	659	772	289	131	83
17	119	1040	2050	366	262	344	498	657	786	301	127	80
18	114	861	2280	311	248	434	502	571	832	303	134	80
19	110	1390	1290	281	238	460	506	675	731	292	139	81
20	107	1750	941	289	231	379	473	682	647	296	133	78
21	104	1190	775	392	237	335	491	803	688	302	125	74
22	102	957	710	384	560	383	595	758	661	297	121	66
23	107	828	688	343	500	394	508	636	604	275	121	61
24	135	1230	664	306	397	344	432	587	592	256	123	59
25	136	1510	646	331	348	310	427	568	579	253	122	56
26	140	1270	652	310	322	291	403	644	597	245	114	55
27	173	960	660	282	385	320	420	1270	623	241	109	54
28	1560	909	659	262	363	313	479	1180	633	254	103	53
29	716	983	588	247	387	284	438	830	600	237	100	78
30	1030	1410	522	240	---	267	404	712	546	236	103	201
31	1440	---	485	253	---	269	---	639	---	243	100	---
TOTAL	8877	43754	34367	11201	12971	10448	15429	18823	23043	9722	4607	2538
MEAN	286	1458	1109	361	447	337	514	607	768	314	149	84.6
MAX	1560	5070	3360	658	941	460	870	1270	2380	473	233	201
MIN	102	303	485	240	231	256	345	389	546	236	100	53
AC-FT	17610	86790	68170	22220	25730	20720	30600	37340	45710	19280	9140	5030
CFSM	5.01	25.5	19.4	6.32	7.82	5.89	8.99	10.6	13.4	5.48	2.60	1.48
IN.	5.77	28.46	22.35	7.28	8.44	6.79	10.03	12.24	14.99	6.32	3.00	1.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2000, BY WATER YEAR (WY)

MEAN	372	713	796	691	640	503	516	663	605	344	156	146
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

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1924 - 2000	
ANNUAL TOTAL	284206		195780			
ANNUAL MEAN	779		535		512	
HIGHEST ANNUAL MEAN					762	1999
LOWEST ANNUAL MEAN					256	1930
HIGHEST DAILY MEAN	5070	Nov 11	5070	Nov 11	9980	Nov 3 1955
LOWEST DAILY MEAN	102	Oct 22	53	Sep 28	17	Sep 23 1930
ANNUAL SEVEN-DAY MINIMUM	109	Oct 17	58	Sep 22	20	Sep 17 1930
ANNUAL RUNOFF (AC-FT)	563700		388300		370600	
ANNUAL RUNOFF (CFSM)	13.6		9.35		8.94	
ANNUAL RUNOFF (INCHES)	184.83		127.33		121.52	
10 PERCENT EXCEEDS	1390		1020		1020	
50 PERCENT EXCEEDS	652		391		376	
90 PERCENT EXCEEDS	182		106		91	