

SKOKOMISH RIVER BASIN

12058800 NORTH FORK SKOKOMISH RIVER BELOW LOWER CUSHMAN DAM, NEAR POTLATCH, WA

LOCATION.--Lat 47°23'27", long 123°12'30", in SE 1/4 SE 1/4 sec.17, T.22 N., R.4 W., Mason County, Hydrologic Unit 17110017, on right bank 1.2 mi downstream from Lower Cushman Dam (Cushman Dam No. 2), 2.8 mi northwest of Potlatch, and at mile 16.5.

DRAINAGE AREA.--102 mi<sup>2</sup>, approximately, includes 99 mi<sup>2</sup> upstream from Cushman Dam No. 2 which is noncontributing except during spillage.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above NGVD of 1929, from topographic map. Prior to Sept. 25, 1991, water-stage recorder at site 400 ft downstream at datum 7.66 ft lower.

REMARKS.--No estimated daily discharges. Records good. Upper portion of McTaggart Creek is diverted through Deer Meadow Creek into Cushman Reservoir No. 2. Flow regulated at Lake Cushman and at Cushman Reservoir No. 2 to supply powerplant, which discharges into Hood Canal. Entire flow of river normally diverted at Cushman Dam No. 2 except infrequent releases. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--14 years (water years 1989-2002), 54.7 ft<sup>3</sup>/s, 39,660 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,680 ft<sup>3</sup>/s Dec. 19, 1995, gage height, 10.97 ft, from rating curve extended above 370 ft<sup>3</sup>/s; minimum discharge, 4.7 ft<sup>3</sup>/s June 13-15, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,990 ft<sup>3</sup>/s, Jan. 11, gage height, 9.41 ft; minimum discharge, 64 ft<sup>3</sup>/s, Oct. 3, 6, 18.

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	65	66	77	66	68	68	67	66	66	66	66	66
2	65	66	72	67	68	67	67	67	66	66	66	66
3	65	66	68	66	68	67	67	67	66	66	67	66
4	65	66	67	65	68	67	67	66	66	66	67	66
5	65	66	67	66	68	67	67	66	66	66	66	66
6	64	66	68	73	71	67	67	66	66	66	66	66
7	65	66	66	92	72	67	67	66	66	66	66	67
8	65	66	66	77	70	67	66	66	66	66	66	66
9	66	66	66	71	69	67	67	66	66	66	66	67
10	66	66	66	1120	69	67	67	66	66	66	66	67
11	66	66	66	1930	68	73	67	66	66	66	66	67
12	66	66	66	1910	67	72	67	66	66	66	66	66
13	66	68	75	1900	68	72	69	66	66	66	66	66
14	66	77	73	900	67	71	72	66	66	66	66	67
15	66	75	71	68	67	70	71	66	66	66	66	66
16	66	71	92	68	67	68	70	66	66	66	66	66
17	66	68	79	67	67	68	70	66	66	66	66	67
18	65	67	72	67	67	69	68	66	66	66	66	66
19	65	68	69	68	67	69	68	66	66	66	66	67
20	65	72	67	67	67	70	68	66	66	66	66	66
21	65	73	66	67	75	70	67	66	66	66	66	67
22	66	73	66	67	78	70	68	66	66	66	66	67
23	66	70	66	68	72	68	68	66	66	66	66	67
24	66	67	66	70	71	68	67	66	66	67	66	67
25	66	67	66	72	70	68	67	66	66	66	66	67
26	66	66	66	70	69	67	67	66	66	66	67	66
27	67	66	65	69	69	67	67	66	67	66	66	67
28	66	67	66	68	68	67	67	66	67	66	66	67
29	66	69	65	68	---	67	67	66	66	66	66	67
30	66	69	65	69	---	67	67	66	66	66	66	67
31	67	---	65	69	---	67	---	66	---	66	66	---
TOTAL	2035	2045	2135	9565	1935	2119	2031	2048	1982	2047	2049	1996
MEAN	65.6	68.2	68.9	309	69.1	68.4	67.7	66.1	66.1	66.0	66.1	66.5
MAX	67	77	92	1930	78	73	72	67	67	67	67	67
MIN	64	66	65	65	67	67	66	66	66	66	66	66
AC-FT	4040	4060	4230	18970	3840	4200	4030	4060	3930	4060	4060	3960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

MEAN	42.6	48.8	108	62.8	55.6	45.1	61.3	42.9	44.8	43.7	49.2	48.5
MAX	67.5	95.4	872	309	183	68.5	232	66.9	66.1	66.0	131	99.3
(WY)	2001	1991	1996	2002	1992	2000	1999	2000	2002	1991	1990	1990
MIN	33.0	33.6	32.4	33.9	30.7	30.4	31.3	29.2	30.1	29.6	28.4	31.5
(WY)	1990	1990	1989	1991	1993	1993	1993	1989	1989	1988	1988	1989

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1988 - 2002
ANNUAL TOTAL	23922	31987	
ANNUAL MEAN	65.5	87.6	54.7
HIGHEST ANNUAL MEAN			117
LOWEST ANNUAL MEAN			33.1
HIGHEST DAILY MEAN	92	Dec 16	3570
LOWEST DAILY MEAN	63	Mar 8	4.9
ANNUAL SEVEN-DAY MINIMUM	64	Jun 3	5.1
ANNUAL RUNOFF (AC-FT)	47450	63450	39660
10 PERCENT EXCEEDS	67	70	67
50 PERCENT EXCEEDS	65	66	38
90 PERCENT EXCEEDS	64	66	32