

SNOHOMISH RIVER BASIN

12134500 SKYKOMISH RIVER NEAR GOLD BAR, WA

LOCATION.--Lat 47°50'15", long 121°39'56", in SW 1/4 SW 1/4 sec.9, T.27 N., R.9 E., Snohomish County, Hydrologic Unit 17110009, on right bank 2.0 mi southeast of Gold Bar, 7.3 mi upstream from Wallace River, and at mile 43.0.

DRAINAGE AREA.--535 mi².

PERIOD OF RECORD.--September 1928 to current year.

REVISED RECORDS.--WSP 1316: 1932-35(M), 1944(M).

GAGE.--Water-stage recorder and crest-stage gages. Datum of gage is 209.26 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. No regulation. Several small diversions upstream from station. Chemical analyses July 1959 to September 1970, October 1977 to June 1980. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--74 years (water years 1929-2002), 3,962 ft³/s, 100.63 in/yr, 2,871,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s Nov. 24, 1990, gage height, 22.49 ft, from rating curve extended above 53,000 ft³/s; minimum discharge, 298 ft³/s Oct. 30, 1987; minimum gage height, 2.73 ft Dec. 1, 1936.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	1530	33,600	14.36	Feb. 22	1630	34,800	14.57
Dec. 17	0245	29,500	13.63	Apr. 14	0800	35,800	14.74
Jan. 08	0130	*46,100	*16.37	June 29	0900	20,800	11.82

Minimum discharge, 403 ft³/s Oct. 6-7.

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	495	9450	3700	1800	2130	3460	3340	7520	10700	8440	2030	814
2	474	7990	4920	2050	1990	3080	3460	8430	10600	7310	1870	833
3	453	6240	3740	2140	1980	2830	3150	8080	10700	6760	1710	1190
4	438	4930	3170	2180	1920	2680	3180	6530	10900	6390	1630	1020
5	423	5030	2810	2120	1840	2710	3820	5850	12200	6040	1680	865
6	413	4080	2930	2730	1940	2530	5170	5300	13300	6020	2100	778
7	412	3390	3200	30900	2510	2360	6980	4520	9880	6730	1850	724
8	499	2940	2870	34400	2610	2230	5660	3970	8110	8430	1640	705
9	818	2620	3210	16700	2420	2110	5040	3700	6910	6540	1550	706
10	994	2380	2800	9570	2270	2160	6900	3470	7760	7080	1530	683
11	4360	2210	2480	6960	2440	5220	8070	3610	9770	7830	1530	661
12	3510	2160	2400	7090	2130	6830	12600	4350	12100	7440	1460	647
13	6650	2830	9250	6860	1950	5220	18200	6590	14900	6930	1420	639
14	6030	26100	11900	5340	1790	4410	28500	7490	16400	6420	1400	626
15	4060	19800	6650	4410	1680	3850	14400	6700	15500	5490	1370	614
16	2720	12400	15600	3780	1670	3390	9720	6040	13500	5020	1280	776
17	2520	8130	20100	3300	1650	2960	7480	6940	10600	4950	1230	1140
18	2080	6010	9330	2980	1790	2700	6130	7710	11700	4690	1150	891
19	5150	5420	6460	2940	2120	2770	5380	7470	10300	4400	1090	758
20	4940	7130	4960	3090	2370	2780	5050	10000	9190	3890	1040	751
21	3450	7570	4150	3000	7160	2460	4760	9750	10600	3720	1030	700
22	6920	7070	3480	2710	27300	2340	4660	9620	11900	3720	995	644
23	11300	8730	3020	2530	18900	2330	4850	8480	11500	3690	964	608
24	7580	6370	2670	4960	10900	2380	4280	7660	9830	3620	962	582
25	7500	4940	2470	7560	7310	2450	4010	7940	9930	3430	966	562
26	6870	4220	2240	4870	5650	2630	4000	8710	11600	3210	944	551
27	6500	3750	2130	3530	4660	2880	3940	9720	11800	2810	924	549
28	4990	3430	2210	2880	3980	3500	3940	14600	11000	2510	909	534
29	3880	3470	2090	2490	---	3510	4470	17800	17200	2580	897	570
30	3610	3210	1980	2320	---	3270	5530	14700	10200	2520	873	876
31	9420	---	1990	2350	---	3210	---	12500	---	2310	841	---
TOTAL	119459	194000	150910	190540	127060	97240	206670	245750	340580	160920	40865	21997
MEAN	3854	6467	4868	6146	4538	3137	6889	7927	11350	5191	1318	733.2
MAX	11300	26100	20100	34400	27300	6830	28500	17800	17200	8440	2100	1190
MIN	412	2160	1980	1800	1650	2110	3150	3470	6910	2310	841	534
AC-FT	236900	384800	299300	377900	252000	192900	409900	487400	675500	319200	81060	43630
CFSM	7.20	12.1	9.10	11.5	8.48	5.86	12.9	14.8	21.2	9.70	2.46	1.37
IN.	8.31	13.49	10.49	13.25	8.83	6.76	14.37	17.09	23.68	11.19	2.84	1.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	MEAN	2745	4812	4821	4095	3653	3226	4467	6746	6746	3555	1372	1333
MAX	6658	16370	14490	11030	8940	9565	7553	10860	13610	8413	3606	4942	
(WY)	1934	1991	1934	1953	1996	1972	1959	1972	1974	1974	1964	1959	
MIN	346	534	1231	945	791	1469	1908	3425	1955	971	589	465	
(WY)	1988	1937	1986	1937	1929	1955	1975	1941	1992	1941	1992	1998	

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1929 - 2002
ANNUAL TOTAL	1248889	1895991	
ANNUAL MEAN	3422	5194	3962
HIGHEST ANNUAL MEAN			5884
LOWEST ANNUAL MEAN			2210
HIGHEST DAILY MEAN	26100	Nov 14	34400
LOWEST DAILY MEAN	412	Oct 7	412
ANNUAL SEVEN-DAY MINIMUM	444	Oct 1	444
ANNUAL RUNOFF (AC-FT)	2477000		2871000
ANNUAL RUNOFF (CFSM)	6.40	9.71	7.41
ANNUAL RUNOFF (INCHES)	86.84	131.83	100.63
10 PERCENT EXCEEDS	7090	10800	8220
50 PERCENT EXCEEDS	2480	3610	2810
90 PERCENT EXCEEDS	734	875	862