SNOHOMISH RIVER BASIN

12141300 MIDDLE FORK SNOQUALMIE RIVER NEAR TANNER, WA

LOCATION.--Lat 47°29'10", long 121°38'48", in SW $^1/_4$ SE $^1/_4$ sec.10, T.23 N., R.9 E., King County, Hydrologic Unit 17110010, on left bank 0.7 mi downstream from Granite Creek, 6.4 mi east of North Bend, and at mile 55.6.

DRAINAGE AREA.--154 mi^2.

PERIOD OF RECORD.--February 1961 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 780 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No regulation or diversion upstream from station. Water temperatures June 1979 to September 1980. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--41 years (water years 1962-2002), 1,236 ft^3/s, 109.08 in/yr, 895,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,200 ft^3/s Dec. 2, 1977, gage height, 14.93 ft; maximum gage height, 14.97 ft Nov. 24, 1990; minimum discharge, 91 ft^3/s Oct. 29-31, 1987, gage height, 0.61 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 23, 1959, reached a stage of 18.7 ft from floodmarks, discharge, 49,000 ft^3/s by slope-area measurement at site 6 mi downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 14	1230	13,100	10.42	Jan. 8	0015	13,000	10.38
Dec. 17	0115	8,980	8.85	Apr. 14	0545	*14,200	*10.76

Minimum discharge, 124 ft^3/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	153	2820	1240	e540	677	805	1020	2050	2770	2060	535	222
2	147	2590	1530	717	624	714	1000	2220	2720	1830	493	235
3	142	1880	1090	775	634	655	894	1910	2700	1680	449	370
4	137	1450	954	743	609	632	951	1510	2800	1580	427	294
5	130	1620	844	672	575	681	1240	1400	3420	1460	434	234
6	127	1240	996	1150	630	629	1810	1250	3790	1490	548	209
7	126	1000	1110	9080	871	565	2700	1070	2530	1750	476	196
8	175	843	956	9160	1010	530	1750	946	1900	2350	406	194
9	267	733	1120	4340	884	504	1560	890	1610	1670	388	199
10	355	650	897	2350	757	535	2370	846	1930	1860	405	193
11	1860	599	777	1740	791	2440	2670	885	2600	2090	418	191
12	1340	599	765	2310	649	2200	4600	1220	3340	1910	378	189
13	2870	1060	4670	2060	568	1480	6330	1980	4150	1770	366	187
14	2270	10000	4190	1430	513	1200	10100	2400	4520	1600	372	182
15	1420	5670	1950	1150	491	1060	4260	1880	3890	1370	373	178
16	984	3670	5770	988	508	920	2770	1590	3220	1220	338	237
17	1050	2200	5480	856	518	782	1990	1920	2450	1240	323	388
18	783	1540	2410	779	706	698	1580	2080	3640	1190	293	273
19	2730	1440	1660	1050	847	819	1380	2060	3040	1150	277	220
20	2030	1850	1300	1180	867	955	1280	2900	2480	1020	284	222
21	1430	2340	1080	1060	2880	774	1180	2760	2960	970	289	205
22	2740	2480	930	849	6010	703	1240	2910	3210	988	272	187
23	3650	3370	802	755	4270	706	1280	2390	2960	993	260	175
24	2870	1830	717	1640	2790	727	1100	2100	2440	975	259	169
25	3230	1340	653	2280	1750	812	1040	2220	2550	940	261	165
26	2600	1190	598	1290	1330	841	1070	2510	3140	899	258	163
27	2140	1090	558	947	1090	899	1040	2910	3090	767	249	162
28	1540	1020	598	768	940	1390	1010	4850	3160	676	243	157
29	1180	1140	595	668	---	1220	1150	5370	5630	717	243	184
30	1230	1020	546	652	---	1120	1510	4010	2740	680	241	231
31	3260	---	552	708	---	1030	---	3270	---	617	231	---
TOTAL	44966	60274	47338	54687	34789	29026	63875	68307	91380	41512	10789	6411
MEAN	1451	2009	1527	1764	1242	936.3	2129	2203	3046	1339	348.0	213.7
MAX	3650	10000	5770	9160	6010	2440	10100	5370	5630	2350	548	388
MIN	126	599	546	540	491	504	894	846	1610	617	231	157
AC-FT	89190	119600	93890	108500	69000	57570	126700	135500	181300	82340	21400	12720
CFSM	9.42	13.0	9.92	11.5	8.07	6.08	13.8	14.3	19.8	8.70	2.26	1.39
IN.	10.86	14.56	11.43	13.21	8.40	7.01	15.43	16.50	22.07	10.03	2.61	1.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY)

MEAN	863.2	1643	1616	1534	1314	1038	1341	1812	1834	980.3	416.7	483.8
MAX	1978	4534	3997	3070	2941	2836	2231	3060	4012	2370	1218	1241
(WY)	1991	1996	1976	1984	1982	1972	1989	1972	1974	1974	1964	1968
MIN	105	298	441	427	387	549	601	996	553	411	170	135
(WY)	1988	1980	1986	1979	1969	1962	1967	1992	1992	1987	1994	1998

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1961 - 2002	
ANNUAL TOTAL	372185		553354			
ANNUAL MEAN	1020		1516		1236	
HIGHEST ANNUAL MEAN					1832	1972
LOWEST ANNUAL MEAN					774	2001
HIGHEST DAILY MEAN	10000	Nov 14	10100	Apr 14	23100	Nov 24 1990
LOWEST DAILY MEAN	126	Oct 7	126	Oct 7	91	Oct 29 1987
ANNUAL SEVEN-DAY MINIMUM	137	Oct 1	137	Oct 1	92	Oct 24 1987
ANNUAL RUNOFF (AC-FT)	738200		1098000		895700	
ANNUAL RUNOFF (CFSM)	6.62		9.84		8.03	
ANNUAL RUNOFF (INCHES)	89.90		133.67		109.08	
10 PERCENT EXCEEDS	2150		3110		2440	
50 PERCENT EXCEEDS	740		1060		874	
90 PERCENT EXCEEDS	213		242		276	

e Estimated