12141300 MIDDLE FORK SNOQUALMIE RIVER NEAR TANNER, WA

Puget Sound Basin
Snoqualmie Subbasin

LOCATION.--Lat 47°29′10″, long 121°38′48″ referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.10, T.23 N., R.9 E., King County, WA, 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.

SURFACE-WATER RECORDS

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 FOR PERIOD OF RECORD.--45 years (water years 1962-2006), 1,221 ft^3/s, 107.74 in/yr, 884,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,200 ft^3/s, Dec. 2, 1977, gage height, 14.93 ft; minimum 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 (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 24	1045	8,850	8.83
Jan 10	0845	*10,900	9.61

Minimum discharge, 130 ft^3/s, Sep 12, 13, gage height, 0.79 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,620	3,440	569	2,190	2,320	804	723	1,350	2,270	891	273	186
2	2,200	2,310	543	1,460	2,350	723	671	1,040	3,280	849	251	164
3	1,440	1,730	513	1,160	2,140	651	624	929	2,880	830	242	157
4	1,040	1,610	473	1,030	1,910	591	796	1,000	2,830	854	235	154
5	806	1,630	466	1,020	1,470	547	803	1,200	3,320	865	229	152
6	702	1,850	459	2,910	1,170	524	807	1,360	2,360	746	225	149
7	1,810	1,350	434	3,300	999	573	735	1,460	1,980	632	221	146
8	1,220	1,110	405	2,250	1,000	657	914	1,510	1,680	588	217	144
9	915	963	390	3,150	934	649	1,410	1,090	1,530	577	223	145
10	737	1,460	401	8,460	815	562	1,100	978	1,420	604	239	144
11	729	2,230	492	5,860	729	509	931	1,120	1,410	571	222	139
12	634	1,620	521	3,310	672	469	1,010	1,140	2,090	519	210	137
13	617	2,720	478	3,210	666	443	1,090	969	2,360	680	198	137
14	572	2,880	435	2,480	653	432	1,640	1,040	1,960	570	190	181
15	516	1,600	407	1,790	582	424	1,380	e3,160	2,440	517	187	208
16	543	1,230	383	1,590	540	408	1,050	e4,210	2,160	477	188	179
17	1,620	1,130	364	3,740	489	400	873	4,170	2,040	437	185	165
18	1,190	1,090	336	2,120	457	417	780	4,160	1,590	413	180	169
19	1,290	1,300	341	1,590	446	400	753	3,580	1,310	396	175	256
20	2,510	1,430	515	1,720	429	388	871	e2,970	1,130	373	172	286
21	1,390	1,360	1,310	1,420	419	380	1,190	e2,290	1,060	374	169	1,230
22	1,010	1,240	2,580	1,190	504	383	1,010	e2,490	989	426	168	787
23	816	1,080	3,850	1,160	959	414	918	e2,250	1,010	410	168	449
24	713	907	7,120	1,140	766	535	1,010	2,220	1,060	411	165	329
25	622	979	4,660	1,160	587	553	1,130	1,990	1,240	387	162	270
26	675	980	3,200	1,110	534	505	1,250	1,860	1,450	357	157	236
27	597	774	2,910	1,060	715	470	1,150	1,950	1,470	337	152	215
28	585	666	2,590	1,230	982	489	1,680	2,250	1,290	330	150	200
29	709	638	2,240	1,260	---	526	2,380	2,670	1,020	305	151	190
30	691	625	1,820	4,990	---	510	1,870	1,900	881	292	241	180
31	2,230	---	2,350	2,790	---	537	---	1,810	---	314	232	---
Total	33,749	43,932	43,555	72,850	26,237	15,873	32,549	62,116	53,510	16,332	6,177	7,484
Mean	1,089	1,464	1,405	2,350	937	512	1,085	2,004	1,784	527	199	249
Max	2,620	3,440	7,120	8,460	2,350	804	2,380	4,210	3,320	891	273	1,230
Min	516	625	336	1,020	419	380	624	929	881	292	150	137
Ac-ft	66,940	87,140	86,390	144,500	52,040	31,480	64,560	123,200	106,100	32,390	12,250	14,840
Cfsm	7.07	9.51	9.12	15.3	6.08	3.32	7.05	13.0	11.6	3.42	1.29	1.62
In.	8.15	10.61	10.52	17.60	6.34	3.83	7.86	15.00	12.93	3.95	1.49	1.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	870	1,637	1,582	1,573	1,271	1,037	1,322	1,787	1,783	932	409	488
Max	1,978	4,534	3,997	3,070	2,941	2,836	2,231	3,060	4,012	2,370	1,218	1,241
(WY)	(1991)	(1996)	(1976)	(1984)	(1982)	(1972)	(1989)	(1972)	(1974)	(1974)	(1964)	(1968)
Min	105	298	441	427	387	512	601	996	553	342	152	135
(WY)	(1988)	(1980)	(1986)	(1979)	(1969)	(2006)	(1967)	(1992)	(1992)	(2003)	(2003)	(1998)

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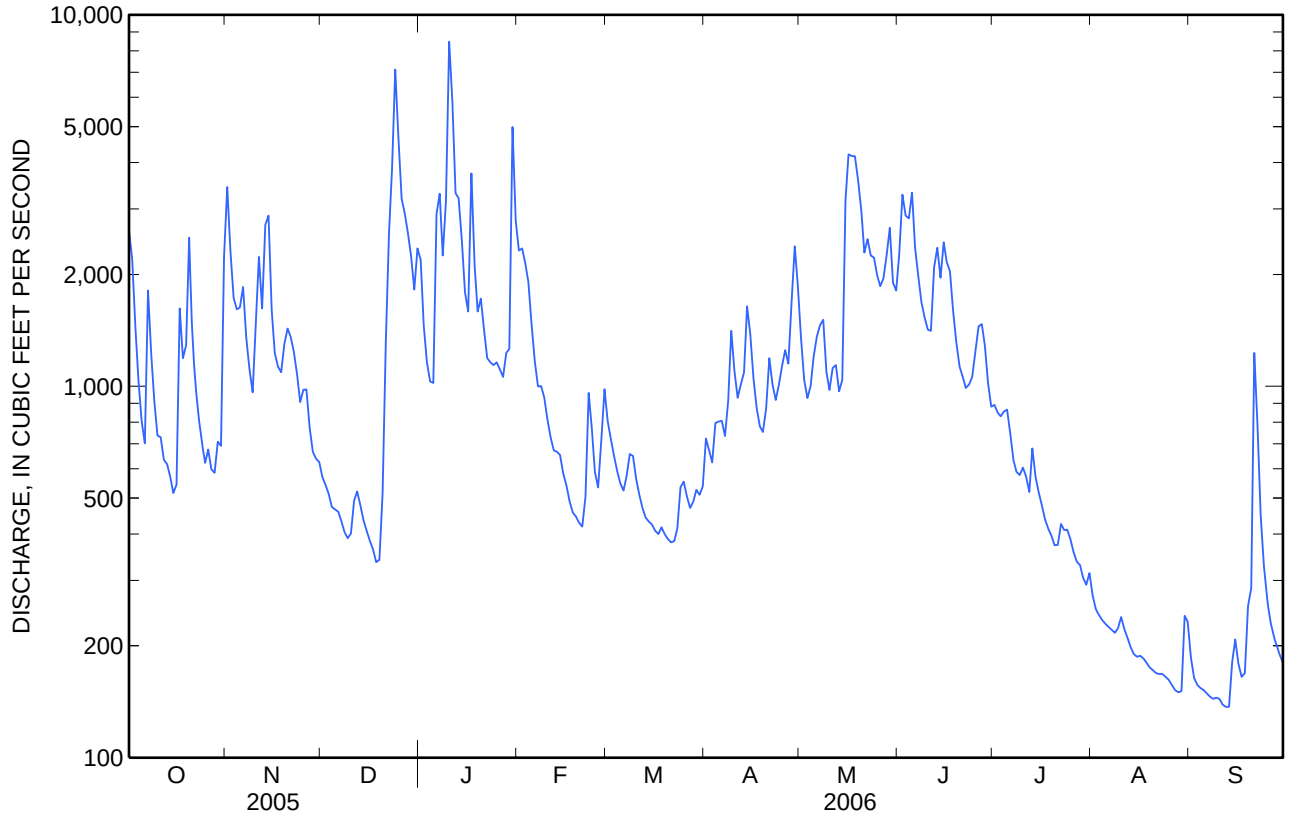
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1961 - 2006	
Annual total	341,051		414,364			
Annual mean	934		1,135		1,221	
Highest annual mean					1,832	1972
Lowest annual mean					774	2001
Highest daily mean	17,800	Jan 18	8,460	Jan 10	23,100	Nov 24, 1990
Lowest daily mean	121	Sep 28	137	Sep 12	91	Oct 29, 1987
Annual seven-day minimum	127	Sep 22	142	Sep 7	92	Oct 24, 1987
Annual runoff (ac-ft)	676,500		821,900		884,700	
Annual runoff (cfsm)	6.07		7.37		7.93	
Annual runoff (inches)	82.38		100.09		107.74	
10 percent exceeds	1,850		2,400		2,410	
50 percent exceeds	611		815		865	
90 percent exceeds	164		199		265