12134500 SKYKOMISH RIVER NEAR GOLD BAR, WA

Puget Sound Basin
Skykomish Subbasin

LOCATION.--Lat 47°50′15″, long 121°39′56″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.9, T.27 N., R.9 E., Snohomish County, WA, 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 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 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. Prior to Oct. 1, 1996 at site 275 ft downstream at same datum.

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 FOR PERIOD OF RECORD.--78 years (water years 1929-2006), 3,946 ft^3/s, 100.21 in/yr, 2,858,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft^3/s, Nov. 24, 1990, gage height, 22.49 ft, from rating curve extended above 53,000 ft^3/s; minimum discharge, 298 ft^3/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 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 24	1415	*33,800	*14.27
Jan 10	1700	26,000	12.89
May 18	0045	19,200	11.49

Minimum discharge, 414 ft^3/s, Sep 13, gage height, 3.43 ft.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,870	7,640	2,180	6,570	7,800	2,660	2,340	5,560	8,430	3,870	972	574
2	3,220	6,680	2,070	5,170	7,600	2,440	2,400	4,400	11,500	3,710	906	525
3	2,420	5,310	1,950	4,250	6,620	2,260	2,230	3,870	10,600	3,620	865	497
4	1,860	5,280	1,790	3,770	6,270	2,070	2,460	3,920	10,100	3,640	835	482
5	1,490	5,220	1,730	3,760	5,280	1,920	2,640	4,570	12,100	3,560	802	476
6	1,320	5,660	1,670	10,200	4,250	1,810	2,800	5,290	9,410	3,090	781	470
7	3,920	4,560	1,540	11,800	3,590	1,890	2,760	5,250	8,420	2,640	768	461
8	3,010	3,650	1,450	8,650	3,280	2,110	2,840	5,800	7,260	2,430	750	457
9	2,180	3,130	1,370	9,730	3,060	2,230	3,810	4,560	6,460	2,350	745	454
10	1,730	3,880	1,350	21,900	2,750	1,970	3,580	4,090	6,050	2,340	757	451
11	1,690	6,900	1,430	17,300	2,510	1,800	3,230	4,430	5,940	2,180	731	436
12	1,490	5,230	1,470	11,400	2,320	1,670	3,320	4,610	7,280	1,980	703	424
13	1,600	5,800	1,430	9,780	2,210	1,560	3,690	4,140	8,950	2,480	678	418
14	1,570	7,760	1,350	8,020	2,130	1,500	4,580	4,210	7,280	2,130	656	464
15	1,400	5,260	1,290	6,170	1,940	1,450	4,480	6,620	7,540	1,900	639	481
16	1,370	4,220	1,230	5,440	1,810	1,390	3,750	12,500	7,110	1,720	628	474
17	3,740	3,910	1,170	7,890	1,670	1,360	3,180	15,900	7,330	1,600	618	464
18	3,380	3,680	1,120	6,210	1,550	1,370	2,880	16,900	6,010	1,510	604	472
19	3,060	4,130	1,120	5,050	1,520	1,320	2,740	15,000	5,200	1,420	592	676
20	5,500	4,750	1,340	5,060	1,470	1,290	2,950	13,100	4,540	1,370	579	715
21	3,560	4,940	3,100	4,390	1,410	1,260	3,940	10,500	4,290	1,350	564	1,750
22	2,690	4,800	6,280	3,800	1,510	1,270	3,710	10,100	4,070	1,420	555	1,430
23	2,220	4,490	10,700	3,520	2,510	1,330	3,400	9,760	4,170	1,400	551	954
24	1,940	3,910	25,300	3,360	2,320	1,650	3,640	8,790	4,490	1,390	542	772
25	1,720	3,750	18,700	3,410	1,860	1,880	4,130	8,290	5,370	1,310	532	669
26	2,000	3,590	12,100	3,370	1,680	1,790	4,670	7,460	6,240	1,230	522	601
27	1,790	3,060	9,610	3,380	1,970	1,670	4,240	6,780	6,360	1,170	511	554
28	1,690	2,680	8,080	3,580	2,880	1,640	5,280	6,380	5,570	1,130	499	525
29	2,160	2,540	7,360	3,830	---	1,700	8,110	7,020	4,500	1,060	493	504
30	2,160	2,390	6,170	11,800	---	1,770	7,340	6,290	3,970	1,030	612	482
31	5,090	---	6,440	8,940	---	1,870	---	6,580	---	1,110	684	---
Total	76,840	138,800	143,890	221,500	85,770	53,900	111,120	232,670	206,540	63,140	20,674	18,112
Mean	2,479	4,627	4,642	7,145	3,063	1,739	3,704	7,505	6,885	2,037	667	604
Max	5,500	7,760	25,300	21,900	7,800	2,660	8,110	16,900	12,100	3,870	972	1,750
Min	1,320	2,390	1,120	3,360	1,410	1,260	2,230	3,870	3,970	1,030	493	418
Ac-ft	152,400	275,300	285,400	439,300	170,100	106,900	220,400	461,500	409,700	125,200	41,010	35,930
Cfsm	4.63	8.65	8.68	13.4	5.73	3.25	6.92	14.0	12.9	3.81	1.25	1.13
In.	5.34	9.65	10.01	15.40	5.96	3.75	7.73	16.18	14.36	4.39	1.44	1.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,758	4,837	4,792	4,215	3,619	3,243	4,446	6,686	6,637	3,452	1,343	1,337
Max	6,658	16,370	14,490	11,030	8,940	9,565	7,553	10,860	13,610	8,413	3,606	4,942
(WY)	(1934)	(1991)	(1934)	(1953)	(1996)	(1972)	(1959)	(1972)	(1974)	(1974)	(1964)	(1959)
Min	346	534	1,231	945	791	1,469	1,908	3,387	1,955	971	535	465
(WY)	(1988)	(1937)	(1986)	(1937)	(1929)	(1955)	(1975)	(2005)	(1992)	(1941)	(2003)	(1998)

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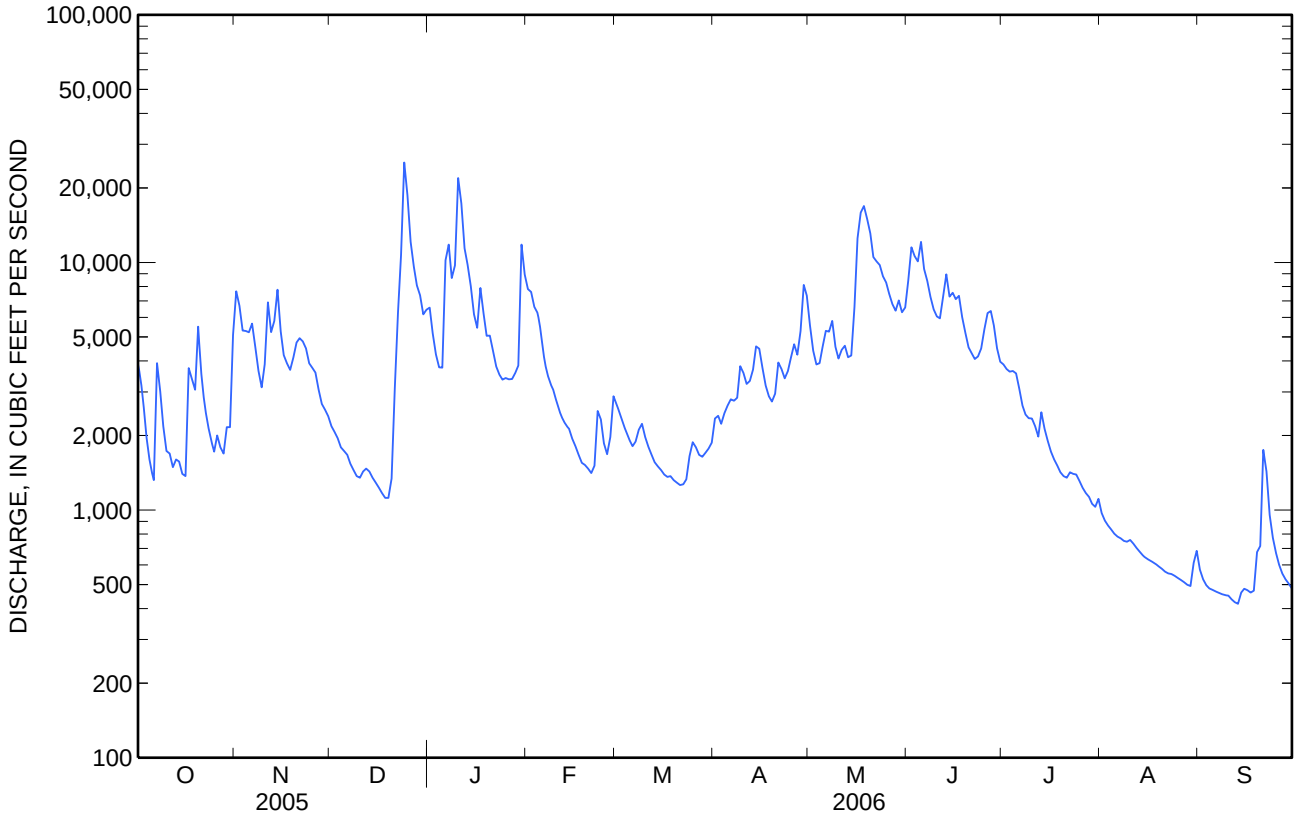
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1929 - 2006	
Annual total	1,079,701		1,372,956			
Annual mean	2,958		3,762		3,946	
Highest annual mean					5,884	1972
Lowest annual mean					2,210	1941
Highest daily mean	60,900	Jan 18	25,300	Dec 24	88,400	Nov 24, 1990
Lowest daily mean	320	Sep 27	418	Sep 13	303	Oct 29, 1987
Annual seven-day minimum	347	Sep 22	443	Sep 7	310	Oct 25, 1987
Annual runoff (ac-ft)	2,142,000		2,723,000		2,858,000	
Annual runoff (cfsm)	5.53		7.03		7.38	
Annual runoff (inches)	75.07		95.47		100.21	
10 percent exceeds	5,330		7,940		8,150	
50 percent exceeds	1,960		2,690		2,800	
90 percent exceeds	502		616		848