STILLAGUAMISH RIVER BASIN

12167000 NORTH FORK STILLAGUAMISH RIVER NEAR ARLINGTON, WA

LOCATION.--(Revised)Lat 48°15'42", long 122°02'47", in SW 1/4 NW 1/4 sec.16, T.32 N., R.6 E., Snohomish County, Hydrologic Unit 17110008, on right bank 5.7 mi northeast of Arlington, 7.8 mi downstream from Deer Creek, and at mile 6.5.

DRAINAGE AREA.--262 mi^2.

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

REVISED RECORDS.--WSP 1286: 1938-39. WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.34 ft above NGVD of 1929.

REMARKS.--Records good below 2,500 ft^3/s and fair to poor above 2,500 ft^3/s. Estimated discharges are fair. No regulation. Small diversions for domestic use. National Weather Service radio telemeter and U.S. Geological Survey satellite telemeter at station. Chemical analyses November 1961 to September 1971, October 1973 to September 1974.

AVERAGE DISCHARGE.--74 years (water years 1929-2002), 1,897 ft^3/s, 98.38 in/yr, 1,374,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,700 ft^3/s Nov. 24, 1990, gage height, 15.20 ft; minimum discharge, 117 ft^3/s Sept. 23, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 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	2145	18,500	11.13	Jan. 08	0415	30,800	14.07
Dec. 14	0245	16,100	10.44	Feb. 22	1345	*33,500	*14.62
Dec. 17	0215	23,600	12.43	Apr. 14	0630	19,800	11.47

Minimum discharge, 221 ft^3/s Oct. 6.

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	296	4730	3460	1370	1460	1980	3030	2470	2290	1920	482	287
2	277	3480	4070	2490	1350	1820	2460	2590	2300	1560	457	302
3	260	2430	2460	2560	1620	1700	2080	2270	2290	1370	437	391
4	245	2070	2100	2220	1830	1620	2010	1900	2280	1260	e426	355
5	231	2640	1870	1900	1550	1600	2240	2020	3000	1150	e470	306
6	228	1810	2180	2320	2120	1500	3290	1930	3150	1090	e520	282
7	230	1450	2340	18200	2490	1430	4240	1650	2140	1150	e516	268
8	254	1230	2380	20400	2160	1370	2750	1470	1880	1760	474	262
9	305	1080	3300	7610	1900	1330	2480	1380	1770	1390	444	260
10	330	957	2240	3950	1720	1360	4440	1330	2000	1230	430	254
11	1030	883	1850	2930	1770	3200	3850	1340	2150	1240	422	248
12	1520	877	1730	3780	1520	3760	6970	1580	2420	1170	411	246
13	1720	1200	8090	3650	1360	2820	8250	2260	2680	1110	403	240
14	2190	13400	10600	2620	1230	2650	13100	2700	2720	1030	400	235
15	1310	10300	4380	2180	1140	2370	5380	2170	2470	911	394	234
16	960	5790	11100	1920	1160	2160	3920	1820	2180	841	379	681
17	1060	3520	12800	1730	1210	1880	3110	2410	1820	823	364	924
18	907	2520	4990	1590	1620	1740	2570	2320	2350	798	350	455
19	3120	2420	3420	1640	1880	1870	2280	2110	1850	764	340	370
20	1980	3770	2660	1840	2120	1870	2120	2510	1630	707	332	453
21	1430	4190	2220	2070	5870	1670	2000	2410	1810	666	327	358
22	4980	3790	1940	1780	30100	1710	2210	2160	1910	659	320	314
23	7740	4760	1710	1670	13200	1780	2260	2010	1820	660	314	288
24	4520	3040	1560	4490	5580	1890	1880	1900	1620	655	314	270
25	4990	2320	1430	5950	3670	2000	1710	2090	1550	630	315	258
26	3450	2000	1330	2860	2920	2050	1660	2320	1690	616	312	247
27	4750	1770	1250	2100	2470	2190	1570	2490	1740	576	303	246
28	2800	1690	1430	1730	2200	2530	1590	3830	2170	548	301	235
29	1930	2990	1520	1510	---	2250	1660	4520	6340	548	299	251
30	1710	2530	1340	1390	---	2120	1960	3210	2580	537	294	553
31	5730	---	1320	1550	---	2060	---	2620	---	515	289	---
TOTAL	62483	95637	105070	114000	99220	62280	99070	69790	68600	29884	11839	10073
MEAN	2016	3188	3389	3677	3544	2009	3302	2251	2287	964	382	336
MAX	7740	13400	12800	20400	30100	3760	13100	4520	6340	1920	520	924
MIN	228	877	1250	1370	1140	1330	1570	1330	1550	515	289	234
AC-FT	123900	189700	208400	226100	196800	123500	196500	138400	136100	59270	23480	19980
CFSM	7.69	12.2	12.9	14.0	13.5	7.67	12.6	8.59	8.73	3.68	1.46	1.28
IN.	8.87	13.58	14.92	16.19	14.09	8.84	14.07	9.91	9.74	4.24	1.68	1.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	1518	2761	3059	2789	2462	2130	2218	2177	1671	878	462	673
MAX	3832	8008	6177	5852	5632	5814	4040	4371	3348	2165	1049	2418
(WY)	1968	1991	1980	1953	1982	1972	1959	1997	1974	1972	1964	1959
MIN	171	223	871	484	467	898	812	1091	510	290	166	140
(WY)	1988	1937	1986	1937	1929	1992	1941	1992	1992	1940	1938	1938

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	591849		827946			
ANNUAL MEAN	1622		2268		1897	
HIGHEST ANNUAL MEAN					2883	1997
LOWEST ANNUAL MEAN					1123	1930
HIGHEST DAILY MEAN	13400	Nov 14	30100	Feb 22	34200	Nov 24 1990
LOWEST DAILY MEAN	228	Oct 6	228	Oct 6	123	Sep 23 1938
ANNUAL SEVEN-DAY MINIMUM	246	Oct 2	245	Sep 9	128	Sep 17 1938
ANNUAL RUNOFF (AC-FT)	1174000		1642000		1374000	
ANNUAL RUNOFF (CFSM)	6.19		8.66		7.24	
ANNUAL RUNOFF (INCHES)	84.03		117.56		98.38	
10 PERCENT EXCEEDS	3340		4000		3720	
50 PERCENT EXCEEDS	1230		1810		1380	
90 PERCENT EXCEEDS	324		314		344	

e Estimated