

SNOHOMISH RIVER BASIN

12143600 SOUTH FORK SNOQUALMIE RIVER AT EDGEWICK, WA

LOCATION.--Lat 47°27'10", long 121°43'00", in NE 1/4 NE 1/4 sec.25, T.23 N., R.8 E., King County, Hydrologic Unit 17110010, on left bank at upstream side of highway bridge in Edgewick, 3 mi downstream from Change Creek, and at mile 8.6.

DRAINAGE AREA.--65.9 mi².

PERIOD OF RECORD.--July to October 1962, March 1963 to September 1965, October 1983 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 571.24 ft above NGVD of 1929. Prior to August 3, 1983, gage at site 45 ft downstream at datum 5.90 ft higher.

REMARKS.--No estimated daily discharges. Records good. Minor regulation at Twin Falls and Weeks hydroelectric project, upstream from station. No diversions.

AVERAGE DISCHARGE.--21 years (water years 1964-65, 1984-2002), 442 ft³/s, 91.08 in/yr, 320,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,800 ft³/s Nov. 24, 1990, gage height, 13.85 ft; minimum discharge, 23 ft³/s Sept. 28, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	0900	3,840	11.00	Jan. 08	0145	4,020	11.10
Dec. 13	2230	2,280	10.00	Apr. 14	0545	*5,460	*11.81
Dec. 17	0130	2,590	10.23				

Minimum discharge, 46 ft³/s Oct. 1.

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	53	986	426	185	259	316	385	833	1140	632	146	75
2	52	821	453	215	240	284	386	914	1130	566	133	77
3	51	617	350	209	239	262	347	735	1130	526	126	96
4	51	485	307	211	221	250	357	590	1140	493	124	83
5	49	529	280	200	210	270	442	550	1300	448	126	76
6	49	416	299	280	218	245	638	483	1310	447	136	73
7	49	341	309	2260	273	223	904	422	968	487	125	72
8	61	295	286	2970	274	207	685	372	767	586	116	71
9	84	263	311	1650	251	196	628	347	677	428	113	73
10	88	236	275	969	236	208	937	329	833	460	112	71
11	362	215	247	719	233	802	1040	353	1030	486	110	69
12	278	207	239	805	206	881	1680	470	1220	447	110	67
13	707	309	1410	728	189	608	2390	781	1470	406	103	66
14	709	2910	1470	553	177	478	3680	845	1520	363	101	65
15	413	1630	742	450	172	405	1680	740	1300	318	98	64
16	266	1120	1760	389	169	351	1110	661	1090	293	94	73
17	279	732	1790	340	166	304	827	782	886	287	92	90
18	213	540	939	311	190	278	660	855	1250	269	90	75
19	482	505	659	332	225	304	570	842	1130	254	89	70
20	489	569	513	382	230	377	533	1140	933	228	91	71
21	364	774	422	358	740	293	489	1020	1010	222	91	68
22	652	951	361	301	1750	262	516	1080	1040	216	88	65
23	995	1110	315	274	1450	250	515	946	953	208	86	63
24	651	692	286	597	1070	250	447	862	803	200	85	62
25	776	516	263	1050	686	267	425	924	812	191	84	61
26	705	435	242	594	516	281	444	1050	919	183	84	60
27	586	381	227	413	420	282	433	1170	874	166	82	61
28	439	360	223	332	364	364	411	1810	837	158	80	60
29	344	359	206	288	---	394	477	1890	1530	155	79	64
30	337	319	194	277	---	386	606	1510	827	153	77	68
31	955	---	193	287	---	371	---	1310	---	148	76	---
TOTAL	11589	19623	15997	18929	11374	10649	24642	26616	31829	10424	3147	2109
MEAN	373.8	654.1	516.0	610.6	406.2	343.5	821.4	858.6	1061	336.3	101.5	70.30
MAX	995	2910	1790	2970	1750	881	3680	1890	1530	632	146	96
MIN	49	207	193	185	166	196	347	329	677	148	76	60
AC-FT	22990	38920	31730	37550	22560	21120	48880	52790	63130	20680	6240	4180
CFSM	5.67	9.93	7.83	9.27	6.16	5.21	12.5	13.0	16.1	5.10	1.54	1.07
IN.	6.54	11.08	9.03	10.69	6.42	6.01	13.91	15.02	17.97	5.88	1.78	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

	MEAN	278.2	687.4	500.6	545.5	490.4	429.0	610.4	710.8	566.5	236.3	104.6	109.1
MAX	610	1792	986	1137	1149	829	921	1196	1254	653	282	283	
(WY)	1986	1991	2000	1984	1996	1997	1989	1997	1964	1964	1964	1964	
MIN	44.1	99.2	138	180	179	255	357	321	132	99.4	62.8	50.9	
(WY)	1988	1988	1986	1985	2001	1985	1986	1992	1992	1992	1987	1998	

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1962 - 2002
ANNUAL TOTAL	129477	186928	
ANNUAL MEAN	354.7	512.1	441.8
HIGHEST ANNUAL MEAN			614
LOWEST ANNUAL MEAN			276
HIGHEST DAILY MEAN	2910	Nov 14	3680
LOWEST DAILY MEAN	49	Sep 24	49
ANNUAL SEVEN-DAY MINIMUM	51	Oct 1	51
ANNUAL RUNOFF (AC-FT)	256800	370800	320000
ANNUAL RUNOFF (CFSM)	5.38	7.77	6.70
ANNUAL RUNOFF (INCHES)	73.09	105.52	91.08
10 PERCENT EXCEEDS	785	1110	912
50 PERCENT EXCEEDS	259	358	310
90 PERCENT EXCEEDS	65	77	76