

NOOKSACK RIVER BASIN

12207850 CLEARWATER CREEK NEAR WELCOME, WA

LOCATION.--Lat 48°47'19", long 122°01'18", in NW 1/4 NW 1/4 sec.15, T.38 N., R.6 E., Whatcom County, Hydrologic Unit 17110004, on left bank, 7 mi southeast of Welcome, and at mile 1.8.

DRAINAGE AREA.--18.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges and those above 400 ft<sup>3</sup>/s, which are fair. No diversions or regulation upstream of station. Records for water years 1992-1998 are available in the files of Duke Engineering, Bellingham, Washington.

AVERAGE DISCHARGE.--4 years (water years 1999-2002) 129 ft<sup>3</sup>/s, 94.95 in/yr, 93,810 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,090 ft<sup>3</sup>/s Dec. 29, 1998, gage height 6.14 ft; minimum discharge, 7.4 ft<sup>3</sup>/s Oct. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge 1,980 ft<sup>3</sup>/s, Jan. 7, gage height 6.05 ft from rating curve extended above 315 ft<sup>3</sup>/s; minimum discharge, 14 ft<sup>3</sup>/s Oct. 5, 6, 7, Aug. 31, Sept. 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	17	252	102	68	41	76	170	300	311	230	32	15
2	16	249	121	283	39	70	103	281	328	180	31	66
3	15	174	81	177	43	66	83	189	333	156	29	48
4	15	287	69	115	42	64	91	140	342	158	37	24
5	14	247	61	94	41	61	128	122	497	142	52	20
6	14	141	58	188	46	e54	279	103	365	138	62	18
7	15	107	57	1160	49	e51	260	91	253	156	38	18
8	19	90	91	1180	44	e49	151	84	203	269	31	19
9	32	81	87	535	40	e47	162	79	244	171	29	23
10	103	80	65	252	41	46	326	79	317	167	28	18
11	99	88	56	184	41	150	261	96	361	160	26	17
12	210	128	53	260	38	137	373	173	437	144	24	16
13	124	205	208	205	36	87	547	269	509	129	23	15
14	141	872	244	145	34	72	825	291	500	107	23	15
15	79	651	114	116	34	64	303	195	439	91	22	15
16	83	322	694	101	35	57	202	168	350	87	21	100
17	98	196	517	87	36	51	157	352	279	82	20	61
18	229	138	187	80	48	47	132	264	588	74	19	29
19	649	271	124	75	62	47	133	241	291	68	19	63
20	180	309	97	70	57	46	135	376	267	61	18	50
21	157	249	83	64	389	45	126	298	321	58	18	29
22	409	207	73	59	1520	49	134	252	320	57	18	24
23	722	217	65	57	846	51	120	226	279	56	17	22
24	262	152	60	73	291	55	102	219	243	52	17	20
25	234	116	56	89	170	63	97	271	260	48	16	19
26	430	98	53	64	126	72	97	298	288	44	16	18
27	380	89	51	56	102	69	93	372	269	39	16	17
28	179	82	61	e51	87	72	106	613	376	39	15	17
29	127	89	62	e47	---	70	130	634	650	45	15	32
30	149	75	56	e45	---	67	214	634	314	40	15	37
31	362	---	58	43	---	71	---	362	---	35	15	---
TOTAL	5563	6262	3764	6023	4378	2026	6040	8072	10534	3283	762	885
MEAN	179	209	121	194	156	65.4	201	260	351	106	24.6	29.5
MAX	722	872	694	1180	1520	150	825	634	650	269	62	100
MIN	14	75	51	43	34	45	83	79	203	35	15	15
AC-FT	11030	12420	7470	11950	8680	4020	11980	16010	20890	6510	1510	1760
CFSM	9.68	11.3	6.55	10.5	8.44	3.53	10.9	14.1	18.9	5.72	1.33	1.59
IN.	11.17	12.57	7.56	12.09	8.79	4.07	12.13	16.20	21.15	6.59	1.53	1.78

CAL YR 2001 TOTAL 38840 MEAN 106 MAX 872 MIN 12 AC-FT 77040 CFMS 5.74 IN. 77.97  
WTR YR 2002 TOTAL 57592 MEAN 158 MAX 1520 MIN 14 AC-FT 114200 CFMS 8.52 IN. 115.62

e Estimated