

NOOKSACK RIVER BASIN

1

12207750 WARM CREEK NEAR WELCOME, WA

LOCATION.--Lat 48°46'03", long 121°57'48", in NE 1/4 SE 1/4 sec.24, T.38 N., R.6 E., Whatcom County, Hydrologic Unit 17110004, on right bank, 10 mi southeast of Welcome, and at mile 1.2.

DRAINAGE AREA.--4.13 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Elevation of gage is 2,700 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. No diversions or regulation upstream of station. Records for water years 1991-1998 available in the files of Duke Engineering, Bellingham, Washington.

AVERAGE DISCHARGE.--4 years (water year 1999-2002), 29.0 ft<sup>3</sup>/s, 95.37 in/yr, 21,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 444 ft<sup>3</sup>/s Dec. 13, 1998, gage height 3.72 ft; maximum gage height, 3.81 ft Jan. 7, 2002; minimum discharge, 3.3 ft<sup>3</sup>/s Oct. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 401 ft<sup>3</sup>/s, Jan. 7, gage height 3.81 ft from rating curve extended above 104 ft<sup>3</sup>/s; minimum discharge, 4.8 ft<sup>3</sup>/s Sept. 28, 29.

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	5.8	45	28	14	9.7	17	18	46	76	72	19	7.5
2	5.7	44	26	41	9.3	15	14	50	74	59	18	14
3	5.5	37	20	32	9.4	14	13	39	76	54	16	10
4	5.3	39	18	24	8.9	13	13	33	78	47	19	7.3
5	5.2	40	17	21	8.6	13	17	29	98	42	20	6.6
6	5.2	31	16	42	9.3	12	25	26	88	45	19	6.1
7	5.1	27	14	234	9.5	12	28	23	67	53	17	5.9
8	5.6	23	19	219	8.5	11	22	21	55	73	16	6.0
9	6.1	21	17	114	8.0	11	22	19	51	58	17	6.7
10	11	21	15	67	8.0	10	34	19	61	62	17	6.6
11	13	21	13	49	7.7	15	32	19	73	68	16	6.5
12	22	32	13	52	7.3	14	42	28	90	65	16	6.1
13	18	50	28	41	7.3	12	68	42	112	63	17	6.0
14	19	136	33	33	7.0	12	127	47	124	56	17	5.9
15	15	174	22	28	7.0	11	68	39	118	48	15	6.1
16	16	98	69	24	7.0	10	47	35	101	47	13	13
17	15	59	77	22	7.1	9.7	37	51	79	48	12	9.4
18	24	43	38	20	7.4	9.4	31	47	113	45	11	6.7
19	52	102	28	18	9.6	9.4	29	46	80	43	10	7.9
20	31	116	23	17	8.7	9.1	28	65	70	37	9.8	7.5
21	26	83	20	16	31	9.3	26	63	79	37	9.4	6.5
22	43	63	17	15	108	9.8	26	55	86	40	9.4	5.9
23	85	53	16	14	94	9.8	23	48	81	41	10	5.7
24	50	41	14	15	48	10	21	45	73	40	10	5.6
25	43	34	13	15	32	10	21	51	75	39	9.8	5.4
26	56	29	13	13	25	11	20	59	87	35	9.0	5.3
27	68	25	12	12	21	11	19	71	89	29	8.6	5.2
28	42	23	13	12	18	11	19	108	106	26	8.6	5.0
29	32	24	13	11	---	10	22	139	165	27	8.2	7.1
30	33	21	12	10	---	10	31	130	99	25	8.1	7.2
31	57	---	13	10	---	11	---	93	---	22	7.8	---
TOTAL	820.5	1555	690	1255	542.3	352.5	943	1586	2624	1446	413.7	210.7
MEAN	26.5	51.8	22.3	40.5	19.4	11.4	31.4	51.2	87.5	46.6	13.3	7.02
MAX	85	174	77	234	108	17	127	139	165	73	20	14
MIN	5.1	21	12	10	7.0	9.1	13	19	51	22	7.8	5.0
AC-FT	1630	3080	1370	2490	1080	699	1870	3150	5200	2870	821	418
CFSM	6.41	12.6	5.39	9.80	4.69	2.75	7.61	12.4	21.2	11.3	3.23	1.70
IN.	7.39	14.01	6.22	11.30	4.88	3.18	8.49	14.29	23.64	13.02	3.73	1.90

CAL YR 2001 TOTAL 8401.6 MEAN 23.0 MAX 174 MIN 5.1 AC-FT 16660 CFSM 5.57 IN. 75.68  
WTR YR 2002 TOTAL 12438.7 MEAN 34.1 MAX 234 MIN 5.0 AC-FT 24670 CFSM 8.25 IN. 112.04