

SKAGIT RIVER BASIN

12199000 SKAGIT RIVER NEAR SEDRO WOOLEY, WA

LOCATION.--Lat 48°29'03", long 122°14'31", in NW 1/4 NW 1/4 sec.36, T.35 N., R.4 E., Skagit County, Hydrologic Unit 17110007, on left bank pier of bridge on State Highway No. 9, 1.0 mi south of Sedro Wooley, and at mile 22.3.

DRAINAGE AREA.--3,015 mi², of which 400 mi² is in Canada.

PERIOD OF RECORD.--May 1908 to December 1923, February 1975 to June 1980 (discharge). December 1998 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (Washington State Department of Transportation benchmark). January 21, 1975, to June 1980 at datum 15.46 ft lower. May 1, 1908, to December 31, 1923, nonrecording gage at site 200 ft upstream (datum uncertain).

REMARKS.--Flow regulated for powerplants on Baker and upper Skagit Rivers by Ross Reservoir (see sta 12175000) and by Diablo and Gorge Reservoirs (see sta 12176500 and 12177700), Baker Lake (12191600) and Lake Shannon (12193000). Small diversions for domestic and municipal use. Chemical analyses October 1975 to September 1979. U.S. Geological Survey satellite and telephone telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation since February 1975, 41.56 ft Dec. 4, 1975; maximum gage height, 56.5 ft Nov. 30, 1909, datum then in use. Minimum observed, 32.3 ft Sept. 29-30, Oct. 10-15, 1915, datum then in use.

EXTREMES FOR PERIOD OF RECORD (SINCE 1998).--Maximum elevation 39.21 ft Nov. 13, 1999; minimum elevation 22.28 ft, Oct. 7, 8, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of about 1815 reached an elevation of approximately 54.6 ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 38.99 ft Jan. 8; minimum, 22.28 ft Oct. 7, 8.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.86	27.63	25.99	24.12	26.14	26.72	25.71	27.20	28.52	29.77	25.63	23.92
2	23.22	26.71	26.67	24.42	26.06	26.53	25.90	27.73	28.25	29.06	25.30	24.26
3	23.16	26.31	26.09	24.76	26.07	26.37	25.77	27.47	28.14	28.40	25.42	24.62
4	23.16	25.63	25.78	25.63	26.15	26.24	25.68	26.60	27.74	27.93	25.11	24.39
5	22.78	26.04	25.60	25.59	26.09	26.22	25.58	26.40	28.05	27.69	25.14	24.08
6	22.73	25.77	25.55	25.70	26.07	25.84	25.81	26.38	28.97	27.54	25.40	24.00
7	22.33	25.34	25.52	30.95	26.19	25.83	26.58	26.27	27.91	27.81	25.04	23.81
8	22.69	24.91	25.49	38.02	25.47	25.91	26.25	26.10	26.91	28.70	24.77	23.48
9	23.06	24.92	25.89	35.65	25.44	25.50	25.87	25.62	26.35	28.78	24.83	23.55
10	23.07	24.57	25.70	31.28	25.34	25.04	27.13	25.37	26.69	28.22	25.02	23.85
11	23.49	24.46	25.29	28.87	25.57	25.72	27.40	25.39	27.94	29.24	25.05	23.97
12	23.70	24.19	25.06	28.31	25.49	27.91	28.10	25.55	28.93	30.06	24.98	24.05
13	24.07	25.03	26.26	28.39	25.40	27.10	29.35	26.34	29.73	30.02	25.07	24.05
14	23.86	29.65	29.25	27.59	24.85	26.76	32.43	26.59	30.60	29.84	25.17	24.06
15	24.21	36.43	27.44	27.28	24.58	26.06	31.12	26.41	30.78	29.28	25.21	23.83
16	23.92	33.93	28.98	27.00	24.52	25.41	28.69	26.11	30.53	28.65	25.00	23.93
17	24.10	29.37	32.49	26.78	24.87	25.32	27.69	26.33	29.38	28.31	24.84	24.70
18	24.15	27.34	28.98	26.58	25.25	25.34	27.15	27.09	29.33	27.89	24.64	24.48
19	24.48	26.68	27.45	26.51	25.45	25.61	26.87	27.03	29.07	27.83	24.62	24.24
20	24.98	28.54	26.56	26.49	25.75	25.67	26.97	27.46	28.09	27.58	24.45	24.22
21	23.95	28.34	26.06	26.53	26.48	25.60	26.74	28.16	28.84	27.39	24.49	24.11
22	24.83	27.89	25.05	26.41	33.74	25.36	26.77	27.73	29.49	27.45	24.36	23.95
23	27.43	27.35	24.72	26.33	35.72	24.81	26.74	27.70	29.74	27.50	24.33	23.93
24	27.09	26.64	24.60	26.73	30.92	24.86	26.44	27.03	29.29	27.56	24.37	23.94
25	26.44	26.09	24.37	28.02	28.59	24.93	26.37	27.22	29.35	27.51	24.21	23.93
26	26.16	25.74	24.43	27.32	27.92	25.20	26.50	27.63	29.67	27.44	24.59	23.62
27	27.03	25.80	24.69	26.82	27.39	25.41	26.41	27.86	30.68	27.19	24.56	23.44
28	26.43	25.59	24.66	26.52	26.65	25.54	26.32	28.84	30.95	26.94	24.55	23.27
29	25.65	25.81	24.52	26.33	---	25.18	26.40	30.44	33.47	26.97	25.01	22.96
30	25.36	25.77	24.33	26.21	---	25.14	26.56	30.34	32.05	26.74	24.91	23.11
31	26.97	---	24.32	26.20	---	24.92	---	29.45	---	26.30	24.22	---
MEAN	24.43	26.95	26.06	27.53	26.72	25.74	27.04	27.16	29.18	28.12	24.85	23.93
MAX	27.43	36.43	32.49	38.02	35.72	27.91	32.43	30.44	33.47	30.06	25.63	24.70
MIN	22.33	24.19	24.32	24.12	24.52	24.81	25.58	25.37	26.35	26.30	24.21	22.96

WTR YR 2002 MEAN 26.47 MAX 38.02 MIN 22.33