

PUYALLUP RIVER BASIN

1

12102190 SWAN CREEK AT 80TH STREET EAST, NEAR TACOMA, WA

LOCATION.--Lat 47°11'05", long 122°23'33", in SE 1/4 SW 1/4 sec.26, T.20 N., R.3 E., Pierce County, Hydrologic Unit 17110014, on right bank, downstream from 80th Street East crossing, 5.1 mi south-southeast of Tacoma.

DRAINAGE AREA.--2.35 mi².

PERIOD OF RECORD.--October 1989 to September 1991, October 1994 to September 1997, October 1997 to current year (seasonal records).

REVISED RECORDS.--WDR WA-97-1: 1996 (M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 395 ft above NGVD of 1929, from topographic map. Prior to November 1994, at datum 5.00 ft higher.

REMARKS.--No estimated daily discharges. Records fair except those above 100 ft³/s and below 5 ft³/s, which are poor.

AVERAGE DISCHARGE.--5 years (water years 1990-91, 1995-97), 4.78 ft³/s, 27.66 in/yr, 3,470 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined but occurred Feb. 8, 1996, elevation, 10.85 ft, from outside high-water mark; no flow many days each year.

EXTREMES FOR PERIOD OCTOBER TO APRIL.--Maximum discharge, 123 ft³/s Nov. 14, elevation, 8.64 ft; no flow several days in October.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO APRIL 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	0.07	2.0	12	5.5	5.5	1.8	1.1
2	0.02	1.1	14	9.3	3.4	1.6	0.93
3	0.00	0.58	13	3.9	2.9	1.4	0.75
4	0.00	0.33	7.8	3.0	2.5	1.2	0.62
5	0.00	1.5	6.5	2.7	2.5	1.3	0.48
6	0.00	0.94	9.3	5.6	3.4	1.4	0.44
7	0.00	0.43	5.3	29	7.7	1.3	0.44
8	0.00	0.30	4.1	14	16	1.2	0.34
9	0.00	0.24	4.0	5.3	4.5	0.97	0.98
10	0.09	0.20	5.3	3.6	3.2	0.92	4.8
11	0.17	0.18	5.5	2.9	2.8	14	5.1
12	0.10	0.60	4.0	3.5	2.2	17	5.0
13	0.10	3.3	45	2.8	2.0	8.6	18
14	0.06	72	19	2.3	1.7	4.5	42
15	0.04	19	7.5	1.9	1.5	3.7	9.3
16	0.01	9.4	34	1.6	1.6	4.2	5.2
17	0.00	5.2	24	1.5	1.7	5.1	3.7
18	0.00	3.4	7.0	1.5	2.2	5.2	2.5
19	0.00	6.8	7.1	2.7	3.5	16	2.1
20	0.00	7.6	5.0	2.9	2.6	37	1.8
21	0.0	7.0	3.8	3.2	15	7.6	1.5
22	0.17	26	3.0	2.7	6.6	4.1	1.5
23	1.2	14	2.4	2.1	16	3.0	1.2
24	0.59	5.5	2.0	7.9	9.4	2.4	0.84
25	1.5	3.9	1.8	43	4.2	2.2	0.70
26	0.40	3.2	1.6	15	3.1	1.9	0.86
27	2.7	3.0	1.6	6.2	2.4	1.9	5.9
28	1.9	28	3.4	4.1	2.1	1.6	3.4
29	0.63	17	2.4	3.0	---	1.4	2.0
30	0.58	8.8	2.0	4.8	---	1.3	1.4
31	3.6	---	3.4	7.9	---	1.2	---
TOTAL	13.93	251.50	266.8	205.4	132.2	156.99	124.88
MEAN	0.45	8.38	8.61	6.63	4.72	5.06	4.16
MAX	3.6	72	45	43	16	37	42
MIN	0.00	0.18	1.6	1.5	1.5	0.92	0.34
AC-FT	28	499	529	407	262	311	248
CFSM	0.19	3.57	3.66	2.82	2.01	2.15	1.77
IN.	0.22	3.98	4.22	3.25	2.09	2.49	1.98