

## PUYALLUP RIVER BASIN

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12102075 CLARKS CREEK AT TACOMA ROAD, NEAR PUYALLUP, WA

LOCATION.--Lat 47°11'52", long 122°20'10", in NE  $\frac{1}{4}$  NE  $\frac{1}{4}$  sec.30, T.20 N., R.4 E., Pierce County, Hydrologic Unit 17110014, at private bridge at end of Tacoma Road, 1.0 mi northwest of Puyallup, and at mile 1.5.

DRAINAGE AREA.--13.0 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1992 to September 1995 (discharge measurements only). March 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Records fair, except estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--6 years (water year 1996-2001), 64.1 ft<sup>3</sup>/s, 67.04 in/yr, 46,470 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined but occurred Feb. 8 or 9, 1996; elevation, 25.60 ft Feb. 8 or 9, 1996, from inside high-water mark, affected by backwater from the Puyallup River; minimum daily discharge, 33 ft<sup>3</sup>/s June 26-29, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 110 ft<sup>3</sup>/s Nov. 8, elevation, 21.58 ft; minimum discharge, 44 ft<sup>3</sup>/s May 21, 25, Sept. 14, 16, 23, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	55	57	59	e52	56	51	56	47	51	51	51
2	52	55	61	57	e53	57	60	49	47	50	51	51
3	53	55	57	63	e53	55	52	49	47	50	52	50
4	53	55	56	67	e58	54	50	48	47	50	53	50
5	53	54	56	71	e57	54	51	48	48	50	52	49
6	53	63	56	60	56	53	52	48	48	50	52	49
7	52	56	56	59	54	53	49	48	49	51	52	49
8	51	82	57	57	56	54	48	47	48	51	52	49
9	59	63	56	57	55	58	48	47	49	50	52	47
10	63	59	55	57	53	53	61	47	48	51	52	47
11	55	57	55	56	52	53	60	47	76	51	52	46
12	55	56	56	56	52	53	50	47	54	51	53	46
13	54	56	56	57	52	55	49	47	50	51	53	46
14	54	58	58	56	52	53	49	54	50	52	54	45
15	54	57	56	55	52	58	49	54	48	52	55	46
16	61	56	68	55	59	53	48	52	49	52	55	46
17	59	56	66	55	54	52	52	48	47	51	56	47
18	63	56	59	57	53	58	50	47	47	51	56	47
19	57	56	58	56	52	56	49	47	48	51	55	46
20	80	56	59	54	51	52	48	47	48	50	55	46
21	59	57	58	62	53	51	48	46	47	50	58	46
22	56	56	60	56	53	51	48	46	48	51	69	46
23	55	65	63	56	51	50	50	46	48	50	69	45
24	57	58	60	56	51	51	48	46	50	50	64	46
25	56	70	58	55	51	53	48	46	50	50	59	48
26	56	73	57	54	49	54	48	47	51	50	57	52
27	55	76	60	53	50	56	48	46	63	50	54	49
28	61	59	58	53	51	53	49	49	60	53	51	47
29	55	59	58	55	---	51	49	47	52	52	51	47
30	54	58	62	e53	---	50	64	46	52	51	51	47
31	56	---	63	e53	---	53	---	46	---	51	51	---
TOTAL	1757	1792	1815	1770	1485	1663	1526	1488	1516	1574	1697	1426
MEAN	56.7	59.7	58.5	57.1	53.0	53.6	50.9	48.0	50.5	50.8	54.7	47.5
MAX	80	82	68	71	59	58	64	56	76	53	69	52
MIN	51	54	55	53	49	50	48	46	47	50	51	45
AC-FT	3490	3550	3600	3510	2950	3300	3030	2950	3010	3120	3370	2830
CFSM	4.36	4.59	4.50	4.39	4.08	4.13	3.91	3.69	3.89	3.91	4.21	3.66
IN.	5.03	5.13	5.19	5.06	4.25	4.76	4.37	4.26	4.34	4.50	4.86	4.08

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	59.8	68.7	70.3	67.9	69.5	64.5	64.6	60.7	56.9	54.9	56.9	55.8
MAX	68.0	75.9	84.3	83.3	88.8	87.6	82.3	77.6	67.9	66.2	66.3	64.6
(WY)	1998	1999	1997	1997	1996	1997	1997	1997	1998	1999	1997	1997
MIN	46.9	58.3	58.5	57.1	53.0	42.3	47.1	41.0	37.6	42.1	42.8	42.2
(WY)	1996	1996	2001	2001	2001	1995	1995	1995	1995	1996	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1995 - 2001
ANNUAL TOTAL	22125	19509	
ANNUAL MEAN	60.5	53.4	64.1
HIGHEST ANNUAL MEAN			73.8
LOWEST ANNUAL MEAN			53.4
HIGHEST DAILY MEAN	100	Mar 4	1997
LOWEST DAILY MEAN	51	Sep 22	2001
ANNUAL SEVEN-DAY MINIMUM	51	Sep 21	1996
ANNUAL RUNOFF (AC-FT)	43880	38700	46470
ANNUAL RUNOFF (CFSM)	4.65	4.11	4.93
ANNUAL RUNOFF (INCHES)	63.31	55.83	67.04
10 PERCENT EXCEEDS	68	59	78
50 PERCENT EXCEEDS	60	53	62
90 PERCENT EXCEEDS	53	47	45

e Estimated