

## 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.--5 years (water year 1996-2000), 66.3 ft<sup>3</sup>/s, 69.28 in./yr, 48,020 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, 151 ft<sup>3</sup>/s Nov. 25 and Dec. 15, elevation, 22.68 ft, 22.52 ft, respectively; minimum discharge, 49 ft<sup>3</sup>/s July 24, Sept. 23, 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	62	69	69	90	69	62	60	e63	55	52	59
2	65	62	76	62	70	74	62	62	e62	55	53	59
3	64	62	66	64	61	71	62	66	e64	61	53	58
4	64	62	63	73	59	100	63	62	e64	56	53	57
5	64	63	67	64	57	74	62	65	e65	54	53	56
6	65	71	71	62	56	68	63	63	68	55	54	57
7	67	63	64	61	61	66	62	61	67	55	54	56
8	74	61	63	66	94	65	61	63	66	54	55	59
9	61	68	66	71	78	65	61	74	64	55	55	55
10	60	88	63	71	68	63	61	67	64	54	56	59
11	60	79	62	69	66	64	62	65	66	55	56	56
12	62	134	77	66	65	62	61	63	76	55	56	55
13	61	105	69	63	64	65	68	e62	63	55	56	54
14	60	71	82	70	70	71	69	e62	64	56	56	53
15	60	66	103	68	67	65	68	e61	64	56	56	52
16	60	69	97	67	65	73	63	e60	63	56	57	52
17	60	77	85	63	64	65	61	e60	62	54	57	52
18	60	66	81	60	62	69	61	e67	61	54	60	52
19	59	66	70	60	61	72	61	e65	61	54	64	52
20	60	73	68	67	61	65	60	e62	60	53	62	52
21	59	77	66	62	65	65	60	e64	59	53	61	52
22	60	70	65	60	69	78	60	e63	61	53	60	51
23	61	67	63	59	66	68	62	e62	60	54	57	52
24	61	71	63	58	63	66	60	e62	58	52	56	51
25	63	127	63	60	66	64	63	e62	57	52	58	51
26	62	111	62	58	68	63	61	e64	55	52	57	52
27	66	77	61	57	72	64	61	e62	55	53	56	51
28	67	70	62	57	64	65	63	e62	54	52	57	52
29	62	66	61	56	83	64	61	e62	54	53	58	53
30	63	74	60	56	---	63	60	e62	54	53	60	56
31	70	---	64	58	---	63	---	e62	---	52	59	---
TOTAL	1944	2278	2152	1957	1955	2109	1864	1957	1854	1682	1757	1626
MEAN	62.7	75.9	69.4	63.1	67.4	68.0	62.1	63.1	61.8	54.3	56.7	54.2
MAX	74	134	103	73	94	100	69	74	76	61	64	59
MIN	59	61	60	56	56	62	60	60	54	52	52	51
AC-FT	3860	4520	4270	3880	3880	4180	3700	3880	3680	3340	3490	3230
CFSM	4.82	5.84	5.34	4.86	5.19	5.23	4.78	4.86	4.75	4.17	4.36	4.17
IN.	5.56	6.52	6.16	5.60	5.59	6.03	5.33	5.60	5.31	4.81	5.03	4.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	60.5	70.5	72.7	70.0	72.7	66.3	66.8	62.8	58.0	55.6	57.2	57.1
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	61.3	57.2	63.6	42.3	47.1	41.0	37.6	42.1	42.8	42.2
(WY)	1996	1996	1996	1996	1998	1995	1995	1995	1995	1996	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1995 - 2000
ANNUAL TOTAL	24195	23135	
ANNUAL MEAN	66.3	63.2	66.3
HIGHEST ANNUAL MEAN			73.8
LOWEST ANNUAL MEAN			59.9
HIGHEST DAILY MEAN	134	Nov 12	1997
LOWEST DAILY MEAN	54	Jan 8	1996
ANNUAL SEVEN-DAY MINIMUM	56	Jan 6	34
ANNUAL RUNOFF (AC-FT)	47990	45890	48020
ANNUAL RUNOFF (CFSM)	5.10	4.86	5.10
ANNUAL RUNOFF (INCHES)	69.23	66.20	69.28
10 PERCENT EXCEEDS	77	71	80
50 PERCENT EXCEEDS	64	62	63
90 PERCENT EXCEEDS	60	54	44

e Estimated