

PUYALLUP RIVER BASIN

12102075 CLARKS CREEK AT TACOMA ROAD, NEAR PUYALLUP, WA

LOCATION.--Lat 47°11'52", long 122°20'10", in NE 1/4 NE 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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair.

AVERAGE DISCHARGE.--7 years (water year 1996-2002), 62.9 ft³/s, 65.75 in/yr, 45,570 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 190 ft³/s Nov. 14, 2001, elevation 23.13 ft, but was likely exceeded Feb. 8 or 9, 1996; maximum 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 ft³/s June 26-29, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 190 ft³/s Nov. 14, elevation, 23.13 ft; minimum discharge, 37 ft³/s Apr. 2-4, 6-9.

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	47	52	89	75	62	44	40	46	45	45	48	53
2	47	50	92	78	59	43	39	47	44	46	47	52
3	48	49	91	70	59	43	39	47	44	45	48	52
4	46	51	84	69	57	43	39	46	45	46	49	52
5	47	57	82	69	59	44	39	47	48	45	52	51
6	47	50	87	74	59	43	39	47	45	45	52	51
7	47	50	77	101	63	43	38	48	46	50	50	52
8	47	49	78	85	70	42	39	48	45	51	49	52
9	47	48	78	74	56	42	45	47	45	47	49	52
10	54	49	82	71	55	42	49	47	45	46	50	51
11	49	48	78	70	53	59	46	46	46	45	50	51
12	48	52	77	71	52	58	43	46	45	46	49	51
13	47	61	119	68	51	48	57	47	44	46	50	50
14	48	152	100	67	50	44	81	46	43	47	50	50
15	48	109	86	67	50	43	56	45	45	47	51	50
16	48	88	110	66	50	47	51	45	45	47	51	51
17	47	78	106	65	50	45	48	47	45	47	52	51
18	47	76	87	66	49	46	47	45	46	47	52	50
19	48	86	85	67	50	62	47	46	43	47	52	50
20	47	83	80	68	47	80	47	47	43	47	52	51
21	50	82	76	66	63	51	46	47	44	48	51	50
22	51	108	74	64	51	46	46	46	44	47	52	50
23	52	94	73	64	66	43	46	46	44	47	52	50
24	51	82	72	75	53	42	46	46	43	47	51	49
25	54	78	72	110	48	41	46	45	43	48	51	49
26	51	77	71	77	47	40	48	46	42	49	52	49
27	64	76	71	67	45	40	54	45	44	49	52	50
28	51	106	74	64	45	40	47	49	52	49	51	49
29	50	97	70	62	---	39	47	48	51	48	52	50
30	51	89	69	66	---	40	46	46	47	48	52	50
31	64	---	73	69	---	40	---	45	---	49	51	---
TOTAL	1543	2227	2563	2225	1519	1423	1401	1439	1351	1461	1570	1519
MEAN	49.8	74.2	82.7	71.8	54.2	45.9	46.7	46.4	45.0	47.1	50.6	50.6
MAX	64	152	119	110	70	80	81	49	52	51	52	53
MIN	46	48	69	62	45	39	38	45	42	45	47	49
AC-FT	3060	4420	5080	4410	3010	2820	2780	2850	2680	2900	3110	3010
CFSM	3.83	5.71	6.36	5.52	4.17	3.53	3.59	3.57	3.46	3.63	3.90	3.89
IN.	4.42	6.37	7.33	6.37	4.35	4.07	4.01	4.12	3.87	4.18	4.49	4.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	58.4	69.5	72.1	68.4	67.3	62.2	62.3	58.9
MAX	68.0	75.9	84.3	83.3	88.8	87.6	82.3	77.6
(WY)	1998	1999	1997	1997	1996	1997	1997	1998
MIN	46.9	58.3	58.5	57.1	53.0	42.3	46.7	41.0
(WY)	1996	1996	2001	2001	2001	1995	2002	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1995 - 2002
ANNUAL TOTAL	20478	20241	
ANNUAL MEAN	56.1	55.5	62.9
HIGHEST ANNUAL MEAN			73.8
LOWEST ANNUAL MEAN			53.4
HIGHEST DAILY MEAN	152	152	190
LOWEST DAILY MEAN	45	38	33
ANNUAL SEVEN-DAY MINIMUM	46	39	34
ANNUAL RUNOFF (AC-FT)	40620	40150	45570
ANNUAL RUNOFF (CFSM)	4.32	4.27	4.84
ANNUAL RUNOFF (INCHES)	58.60	57.92	65.75
10 PERCENT EXCEEDS	76	78	78
50 PERCENT EXCEEDS	51	50	62
90 PERCENT EXCEEDS	47	44	47