

## QUEETS RIVER BASIN

12040500 QUEETS RIVER NEAR CLEARWATER, WA

LOCATION.--Lat 47°32'17", long 124°18'52", in NE 1/4 SW 1/4 sec.36, T.24 N., R.13 W., Jefferson County, Hydrologic Unit 17100102, Quinault Indian Reservation, on right bank 2.4 mi downstream from mouth of Clearwater River, 0.8 mi east of Queets, and at mile 4.6.

DRAINAGE AREA.--445 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1930 to November 1949, water years 1950-67 (annual maximum), April 1974 to current year.

REVISED RECORDS.--WSP 1316: 1931-49(m).

GAGE.--Water-stage recorder. Datum of gage is 14.5 ft above NGVD of 1929 (river-profile survey). Sept. 15, 1930, to Jan. 22, 1935, at datum 4.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station. Chemical analyses October 1977 to September 1993.

AVERAGE DISCHARGE.--47 years (water years 1931-49, 1975-2002), 4,370 ft<sup>3</sup>/s, 133.43 in/yr, 3,166,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133,000 ft<sup>3</sup>/s Dec. 15, 1999, gage height, 27.18 ft, minimum discharge, 300 ft<sup>3</sup>/s Oct. 21-25, 29, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 42,000 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Nov. 15	1200	51,500	18.89	Jan. 07	1900	86,300	22.95
Dec. 13	2200	51,600	18.90	Feb. 22	0830	70,800	21.27
Dec. 16	2300	*88,600	*23.18				

Minimum discharge, 464 ft<sup>3</sup>/s Sept. 28, 29, 30

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	920	8340	21600	4170	4670	3830	3290	2570	3290	3080	888	543
2	857	8200	15600	9030	4150	3380	3050	2590	3040	2540	846	552
3	809	5600	8740	8840	6980	3050	2830	2330	2890	2260	807	658
4	780	5080	7460	6240	5480	2800	2760	2090	2750	2140	798	590
5	746	4950	6410	5010	5600	2630	2980	2410	3030	2090	943	532
6	721	3960	7910	13500	12100	2430	3470	2350	3030	1870	867	510
7	706	3400	7160	61400	11200	2290	3980	2330	2480	1840	775	494
8	741	2950	11300	37000	8250	2170	3180	2020	2190	2140	739	533
9	769	2630	11000	16200	6470	2080	3850	1850	1970	1860	733	694
10	984	2380	9080	9690	5330	3610	7210	1820	2180	1830	764	590
11	1980	2210	7260	7120	4980	18100	6320	1730	2310	1990	755	531
12	4650	4210	7470	10400	3890	12500	9470	1750	2550	1900	728	512
13	4310	7130	30100	8000	3290	11200	20300	2150	2640	1780	756	509
14	3900	25000	27400	5870	2860	9160	27700	2470	2830	1740	785	501
15	2680	37500	13900	4680	2550	7490	14600	2120	2500	1550	756	497
16	2190	17300	57700	3950	2600	6400	12900	1860	2260	1480	729	1700
17	2020	9510	36400	3430	2720	5230	9780	2030	2160	1490	692	1470
18	1770	6730	16500	3050	2950	4480	7020	1950	3220	1420	662	806
19	4010	10600	11600	3960	6840	5500	5650	1840	2380	1370	637	667
20	3130	20700	8100	7200	5460	6890	4820	2110	2050	1320	625	676
21	3290	22600	6270	6060	25500	5990	4230	2260	2090	1270	603	604
22	7960	14900	5090	4960	59200	5370	3810	2100	2260	1240	588	550
23	10900	11500	4250	4920	21700	4950	3420	1970	2160	1290	590	522
24	8350	8410	3670	21900	12400	4590	3050	1840	1950	1310	595	507
25	11800	6540	3260	24700	8420	4180	2780	1970	1880	1320	611	495
26	8090	5610	2950	10400	6440	4000	2720	2210	2140	1240	600	487
27	8190	5060	2740	6760	5240	4070	2730	2380	2210	1140	580	477
28	5460	6640	3390	4970	4420	5260	2410	4850	2900	1050	576	469
29	4210	10400	3020	4020	---	4330	2290	9460	10300	1070	579	468
30	3740	8340	2680	4410	---	3820	2360	5330	4180	1000	576	470
31	10900	---	3040	6310	---	3420	---	3920	---	951	556	---
TOTAL	121563	288380	363050	328150	251690	165200	184960	80660	83820	50571	21739	18614
MEAN	3921	9613	11710	10590	8989	5329	6165	2602	2794	1631	701	620
MAX	11800	37500	57700	61400	59200	18100	27700	9460	10300	3080	943	1700
MIN	706	2210	2680	3050	2550	2080	2290	1730	1880	951	556	468
AC-FT	241100	572000	720100	650900	499200	327700	366900	160000	166300	100300	43120	36920
CFSM	8.81	21.6	26.3	23.8	20.2	12.0	13.9	5.85	6.28	3.67	1.58	1.39
IN.	10.16	24.11	30.35	27.43	21.04	13.81	15.46	6.74	7.01	4.23	1.82	1.56

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

	MEAN	3494	7502	8340	7539	6846	5277	4134	3189	2452	1617	1043	1368
MAX	10050	20100	18140	23500	14040	13360	7093	6263	4642	4543	4396	4531	
(WY)	1976	1991	1980	1935	1999	1997	1937	1948	1997	1997	1991	1997	
MIN	348	754	2435	1787	1818	1876	1546	1765	980	682	469	439	
(WY)	1988	1937	1986	1937	1993	1992	1998	1931	1992	1992	1938	1993	

## SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1931 - 2002

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1931 - 2002
ANNUAL TOTAL	1549706	1958397	
ANNUAL MEAN	4246	5365	4370
HIGHEST ANNUAL MEAN			6595
LOWEST ANNUAL MEAN			2872
HIGHEST DAILY MEAN	57700	61400	91100
LOWEST DAILY MEAN	706	468	300
ANNUAL SEVEN-DAY MINIMUM	753	482	303
ANNUAL RUNOFF (AC-FT)	3074000	3884000	3166000
ANNUAL RUNOFF (CFSM)	9.54	12.1	9.82
ANNUAL RUNOFF (INCHES)	129.55	163.71	133.43
10 PERCENT EXCEEDS	8370	11200	9320
50 PERCENT EXCEEDS	2530	2980	2540
90 PERCENT EXCEEDS	918	650	722