12039500 QUINAULT RIVER AT QUINAULT LAKE, WA

Washington Coastal Basin
Queets-Quinault Subbasin

LOCATION.--Lat 47°27′28″, long 123°53′17″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.25, T.23 N., R.10 W., Grays Harbor County, WA, Hydrologic Unit 17100102, Quinault Indian Reservation, on left bank at outlet of Quinault Lake, 50 ft downstream from Olympic Highway bridge on U.S. Highway 101, 2.0 mi southwest of Quinault, and at mile 33.4.

DRAINAGE AREA.--264 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1911 to current year. Monthly discharge for some months during the 1923-25, 1933 water years, published in WSP 1316.

REVISED RECORDS.--WSP 442: Drainage area. WSP 1286: 1915-16(M), 1934, 1936-39(M). WSP 1316: 1923, 1925, 1933. WSP 1635: 1917.

GAGE.--Water-stage recorder. Datum of gage is 178.44 ft above NGVD of 1929. Prior to Sept. 30, 1916, nonrecording gages at sites within 4 mi northeast of present site, at different datum. Oct. 1, 1916, to May 2, 1935, water-stage recorder at site 300 ft downstream from present site at datum 0.36 ft higher than present datum.

REMARKS.--Records good except estimated daily discharges, which are fair. Flow affected by natural storage in Quinault Lake. No diversions upstream from station. Chemical analyses July 1959 to June 1960, October 1962 to September 1970 (partial-record station), October 1971 to September 1974. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--95 years (water years 1912-2006), 2,861 ft^3/s, 147.17 in/yr, 2,073,000 acre-ft/yr. Includes mean discharges for water years 1923-25, 1933, which were estimated for WSP 1316.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,200 ft^3/s, Nov. 4, 1955, gage height, 20.51 ft; minimum daily discharge, 250 ft^3/s, Oct. 29, 30, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in November 1909 reached a stage of approximately 22 ft, present datum, discharge, 52,600 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 25	1400	*23,800	*13.28
Jan 06	1600	16,000	10.79
Jan 10	1845	15,100	10.50
Jan 13	1715	15,100	10.47

Minimum daily discharge, 345 ft^3/s, Sep. 16.

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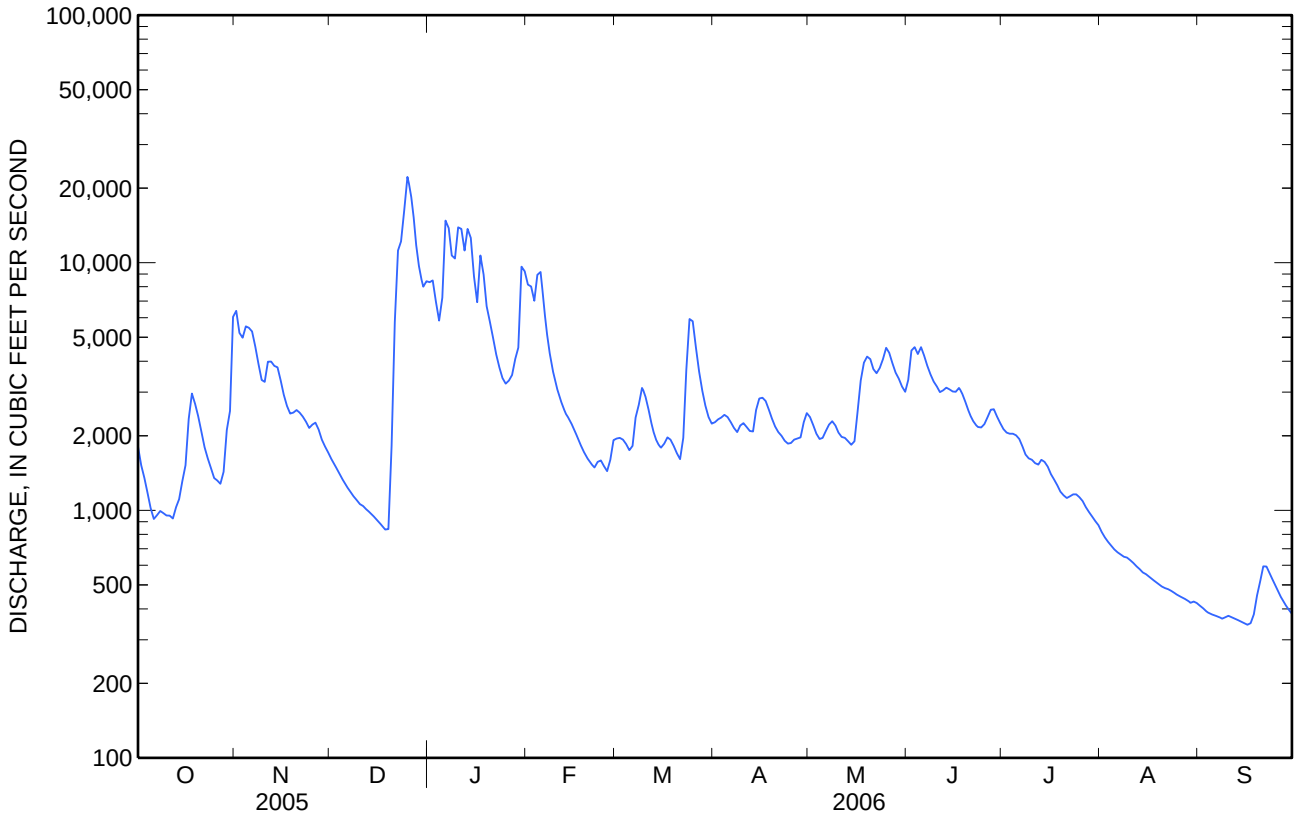
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,810	6,390	1,610	8,340	8,160	1,950	2,270	2,380	3,360	2,130	818	412
2	1,520	5,210	1,530	8,480	8,020	1,960	2,330	2,210	4,420	2,060	777	402
3	1,350	4,980	1,450	6,960	7,020	1,930	2,370	2,040	4,560	2,040	746	391
4	1,180	5,530	1,370	5,840	8,940	1,850	2,430	1,940	4,280	2,040	720	e383
5	1,020	5,460	1,300	7,220	9,180	1,750	2,380	1,960	4,560	2,010	695	e380
6	923	5,280	1,240	14,800	6,780	1,820	2,270	2,090	4,220	1,940	677	e375
7	956	4,590	1,190	13,800	5,180	2,370	2,150	2,220	3,840	1,810	663	e370
8	993	3,900	1,140	10,700	4,240	2,670	2,070	2,290	3,540	1,680	649	e365
9	974	3,360	1,100	10,400	3,620	3,120	2,200	2,200	3,310	1,620	644	e370
10	953	3,300	1,060	13,900	3,190	2,910	2,250	2,060	3,160	1,600	629	e375
11	952	3,980	1,040	13,700	2,860	2,540	2,170	1,980	3,000	1,550	613	e370
12	926	3,990	1,010	11,200	2,620	2,250	2,090	1,960	3,050	1,530	594	e365
13	1,030	3,830	983	13,700	2,450	2,010	2,080	1,900	3,130	1,600	578	e360
14	1,110	3,780	956	12,600	2,330	1,860	2,540	1,840	3,080	1,570	561	e355
15	1,310	3,340	925	8,800	2,200	1,790	2,830	1,900	3,020	1,500	552	e350
16	1,520	2,930	895	6,930	2,070	1,860	2,850	2,490	3,010	1,400	539	e345
17	2,340	2,640	866	10,700	1,920	1,970	2,760	3,340	3,120	1,330	526	e350
18	2,960	2,460	836	8,960	1,790	1,930	2,550	3,950	2,970	1,260	515	e380
19	2,690	2,480	840	6,680	1,690	1,820	2,350	4,180	2,730	1,190	503	453
20	2,400	2,540	1,820	5,790	1,610	1,700	2,180	4,080	2,520	1,150	492	518
21	2,080	2,480	5,760	4,980	1,540	1,610	2,070	3,720	2,360	1,120	485	594
22	1,800	2,390	11,200	4,260	1,490	1,960	2,000	3,580	2,240	1,140	480	593
23	1,620	2,280	12,200	3,770	1,570	3,690	1,910	3,760	2,170	1,160	472	559
24	1,480	2,150	16,300	3,420	1,590	5,930	1,860	4,080	2,160	1,160	463	520
25	1,350	2,220	22,200	3,250	1,510	5,800	1,870	4,530	2,230	1,130	455	487
26	1,320	2,260	19,300	3,340	1,440	4,550	1,930	4,330	2,380	1,090	447	462
27	1,280	2,120	14,800	3,520	1,600	3,630	1,950	3,930	2,550	1,030	440	438
28	1,430	1,930	11,100	4,090	1,920	3,040	1,970	3,600	2,560	983	433	414
29	2,110	1,810	9,220	4,540	---	2,650	2,270	3,400	2,390	945	423	396
30	2,520	1,710	8,000	9,640	---	2,380	2,470	3,160	2,250	905	428	382
31	6,040	---	8,420	9,230	---	2,240	---	3,010	---	870	422	---
Total	51,947	101,320	161,661	253,540	98,530	79,540	67,420	90,110	92,170	44,543	17,439	12,514
Mean	1,676	3,377	5,215	8,179	3,519	2,566	2,247	2,907	3,072	1,437	563	417
Max	6,040	6,390	22,200	14,800	9,180	5,930	2,850	4,530	4,560	2,130	818	594
Min	923	1,710	836	3,250	1,440	1,610	1,860	1,840	2,160	870	422	345
Ac-ft	103,000	201,000	320,700	502,900	195,400	157,800	133,700	178,700	182,800	88,350	34,590	24,820
Cfsm	6.35	12.8	19.8	31.0	13.3	9.72	8.51	11.0	11.6	5.44	2.13	1.58
In.	7.32	14.28	22.78	35.73	13.88	11.21	9.50	12.70	12.99	6.28	2.46	1.76

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