

HOH RIVER BASIN

12041200 HOH RIVER AT U.S. HIGHWAY 101, NEAR FORKS, WA

LOCATION.--Lat 47°48'25", long 124°14'59", in NE 1/4 NE 1/4 sec.33, T.27 N., R.12 W., Jefferson County, Hydrologic Unit 17100101, on left bank 250 ft downstream from U.S. Highway 101, 1.0 mi downstream from Hell Roaring Creek, 11.5 mi southeast of Forks, and at mile 15.4.

DRAINAGE AREA.--253 mi².

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 163.64 ft above NGVD OF 1929.

REMARKS.--Records good except for estimated discharges, which are fair. No regulation or diversion upstream from station. Chemical analyses July 1960 to September 1961, November 1961 to September 1970 (partial-record station), October 1971 to September 1974. Prior to November 1961, published as Hoh River near Forks (Spruce). U.S. Geological Survey satellite telemeter at station. Water temperatures November 1970 to April 1971.

AVERAGE DISCHARGE.--42 years (water years 1961-2002), 2,546 ft³/s, 136.72 in/yr, 1,844,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,500 ft³/s Nov. 24, 1990, gage height, 19.61 ft from rating curve extended above 34,000 ft³/s on basis of slope-area measurement at gage height 17.74 ft; minimum discharge, 249 ft³/s Oct. 23, 1987, gage height, 2.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 15	1300	25,100	12.18	Jan. 07	1830	*45,900	*16.99
Dec. 14	0000	18,100	10.25	Feb. 22	0530	26,000	12.43
Dec. 16	2230	35,800	14.80				

Minimum discharge, 450 ft³/s Sept. 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	864	4240	7770	3090	e2990	2210	1860	1830	2250	2370	1160	858
2	783	3770	6620	6410	e2860	2050	1780	1780	2140	2000	1080	902
3	712	2860	4420	5700	e4500	1920	1710	1620	2110	1800	1000	1110
4	700	2760	3890	4230	e4000	1820	1680	1520	2080	1700	958	881
5	677	2750	3350	3570	e4100	1750	1840	1710	2470	1600	1070	733
6	649	2260	e4300	6730	e6000	1660	2040	1620	2560	1540	958	656
7	644	2010	3630	34300	e5700	1550	2220	1480	2090	1620	870	607
8	696	1810	5210	21700	e3750	1480	1940	1360	1780	2040	853	570
9	703	1670	5080	9930	3140	1440	2140	1290	1610	1840	894	639
10	735	1550	4160	6270	2830	1800	3360	1280	1760	1940	1030	e590
11	1410	1510	3570	4910	2650	6290	2940	1230	1980	2270	999	e530
12	2140	3510	3630	5900	2290	5320	3570	1250	2300	2180	976	e515
13	2260	4100	10300	4830	2080	4660	6230	1560	2550	2040	1110	e510
14	2140	11500	11200	3950	1910	3860	11000	1720	2910	2020	1200	e500
15	1650	19300	6700	3420	1790	3270	6210	1520	2660	1740	1170	e495
16	1440	9790	23900	3080	1820	2820	5070	1400	2360	1670	1090	e1400
17	1370	5880	17100	2810	1880	2370	3880	1530	2130	1750	992	e1300
18	1250	4360	8650	2620	1990	2170	3090	1500	2740	1750	914	914
19	2100	7270	6340	2920	3250	2410	2700	1450	2160	1710	882	791
20	1800	13200	4880	3500	2920	2650	2450	1590	1930	1630	843	810
21	1760	11600	4120	3290	10900	2420	2290	1710	2010	1540	799	667
22	3280	7690	3600	3000	22200	2390	2170	1650	2270	1500	782	595
23	5290	6030	3190	2960	9650	2320	2060	1570	2200	1680	812	602
24	4070	4700	2900	7620	6020	2260	1890	1520	2030	1800	890	590
25	4660	3890	2680	9120	4170	2160	1780	1630	2020	1840	975	580
26	4190	3460	2490	4840	3310	2150	1760	1970	2490	1720	938	555
27	4440	3140	2390	3640	2810	2170	1720	2230	2650	1560	888	543
28	3030	3770	2680	3000	2450	2390	1640	3070	2870	1480	918	518
29	2460	4490	2530	2720	---	2120	1610	4680	5990	1600	981	514
30	2280	4060	2360	2920	---	1970	1680	3420	3100	1490	952	474
31	5560	---	2540	e4000	---	1860	---	2610	---	1320	866	---
TOTAL	65743	158930	176180	186980	123960	77710	86310	56300	72200	54740	29850	20949
MEAN	2121	5298	5683	6032	4427	2507	2877	1816	2407	1766	963	698
MAX	5560	19300	23900	34300	22200	6290	11000	4680	5990	2370	1200	1400
MIN	644	1510	2360	2620	1790	1440	1610	1230	1610	1320	782	474
AC-FT	130400	315200	349500	370900	245900	154100	171200	111700	143200	108600	59210	41550
CFSM	8.38	20.9	22.5	23.8	17.5	9.91	11.4	7.18	9.51	6.98	3.81	2.76
IN.	9.67	23.37	25.90	27.49	18.23	11.43	12.69	8.28	10.62	8.05	4.39	3.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY)

	MEAN	2134	3985	4200	3804	3414	2664	2120	2047	2114	1706	1259	1155
MAX	5602	10690	8701	6780	6214	5697	3248	2915	3117	2820	2557	2266	
(WY)	1968	1991	1980	1974	1982	1972	1981	1997	1964	1999	1991	1969	
MIN	381	1022	1282	992	1121	1261	925	1531	1285	1012	760	603	
(WY)	1988	1994	1986	1979	1993	1992	1975	1995	1992	1992	1994	1993	

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1961 - 2002
ANNUAL TOTAL	886753	1109852	
ANNUAL MEAN	2429	3041	2546
HIGHEST ANNUAL MEAN			3452
LOWEST ANNUAL MEAN			1645
HIGHEST DAILY MEAN	23900	34300	39000
LOWEST DAILY MEAN	644	474	252
ANNUAL SEVEN-DAY MINIMUM	683	539	259
ANNUAL RUNOFF (AC-FT)	1759000	2201000	1844000
ANNUAL RUNOFF (CFSM)	9.60	12.0	10.1
ANNUAL RUNOFF (INCHES)	130.38	163.19	136.72
10 PERCENT EXCEEDS	4170	5890	4650
50 PERCENT EXCEEDS	1740	2130	1820
90 PERCENT EXCEEDS	1020	849	888

e Estimated