

WENATCHEE RIVER BASIN

12462500 WENATCHEE RIVER AT MONITOR, WA

LOCATION.--Lat 47°29'58", long 120°25'24", in NE 1/4 SW 1/4 sec.11, T.23 N., R.19 E., Chelan County, Hydrologic Unit 17020011, on right bank 1.0 mi north of Monitor, 3.5 mi downstream from Mission Creek, and at mile 7.0.

DRAINAGE AREA.--1,301 mi².

PERIOD OF RECORD.--August to November 1897, October 1962 to current year. Published as "near Wenatchee" 1897.

GAGE.--Water-stage recorder. Elevation of gage is 680 ft above NGVD of 1929, from topographic map. Aug. 7 to Nov. 7, 1897, nonrecording gage 1 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation. Diversions for irrigation of about 25,000 acres upstream from station. Chelan County Public Utility District No. 1 telemeter at station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--40 years (water years 1963-2002), 3,281 ft³/s, 2,377,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,500 ft³/s Nov. 30, 1995, gage height, 30.02 ft; minimum discharge, 208 ft³/s Nov. 26, 1993, gage height, 16.45 ft, but may have been less during period of frozen intakes Nov. 27 to Dec. 11, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,000 ft³/s June 16, gage height, 24.32 ft; minimum discharge, 248 ft³/s Oct. 10, gage height, 16.60 ft.

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	359	1500	1810	1130	1630	2670	2330	6240	13400	9960	2600	1090
2	344	1540	1780	1140	1570	2490	2440	7800	12700	8300	2340	1050
3	331	1570	1690	1110	1510	2360	2380	8370	12800	7300	2140	1020
4	304	1490	1600	1080	1470	2270	2390	7780	13100	6830	1940	1040
5	282	1410	1530	1060	1420	2230	2550	6970	13800	6270	1800	991
6	272	1400	1510	1080	1400	2180	2760	6310	14200	5830	1740	942
7	268	1300	1500	1810	1420	2100	3030	5630	12400	5940	1660	910
8	260	1200	1420	6060	1410	2030	3160	5060	10200	7250	1570	882
9	261	1130	1360	7130	1350	1950	3160	4670	8550	7660	1500	858
10	253	1070	1300	5790	1290	1900	3270	4350	8080	7080	1530	831
11	315	1020	1260	4740	1270	2000	3550	4200	9230	7590	1640	785
12	516	975	1220	4100	1220	2310	3920	4360	10800	8250	1620	760
13	649	1000	1320	3730	1190	2200	4910	5050	13000	7980	1570	734
14	753	2870	1740	3300	1190	2060	10300	5740	15400	7990	1570	701
15	730	6900	1660	2950	1150	1970	11100	5940	17000	7470	1600	689
16	701	6940	1680	2730	1140	1920	9040	5960	17600	6470	1580	685
17	648	5390	2350	2510	1130	1860	7450	6350	15500	6050	1510	713
18	624	4170	2150	2360	1120	1760	6330	7120	13700	5670	1440	723
19	593	3520	1940	2260	1110	1720	5640	7370	12000	5390	1330	725
20	753	3480	1810	2170	1140	1840	5270	8700	10700	5090	1260	689
21	791	3420	1670	2120	1200	1780	5230	9910	10700	4620	1220	658
22	757	3290	1560	2000	2160	1700	5210	9550	11600	4340	1170	622
23	1070	3080	1480	1940	4440	1660	5090	8710	12400	4190	1140	589
24	1230	2770	1420	1910	4600	1690	4780	8160	12200	4200	1130	590
25	1100	2520	1360	2120	4000	1830	4560	8130	11600	4200	1140	618
26	1070	2310	1310	2140	3530	1920	4480	8570	11900	4290	1130	618
27	1050	2130	1270	2000	3190	1970	4580	9200	13200	4070	1130	618
28	1050	2040	1240	1900	2920	1960	4510	11100	12800	3620	1120	590
29	994	1970	1210	1760	---	2000	4630	14200	13000	3310	1120	572
30	942	1860	1180	1720	---	2040	5070	e15300	12500	3140	1110	547
31	1080	---	1160	1670	---	2200	---	14800	---	2910	1110	---
TOTAL	20350	75265	47490	79520	52170	62570	143120	241600	376060	183260	46460	22840
MEAN	656	2509	1532	2565	1863	2018	4771	7794	12540	5912	1499	761
MAX	1230	6940	2350	7130	4600	2670	11100	15300	17600	9960	2600	1090
MIN	253	975	1160	1060	1110	1660	2330	4200	8080	2910	1110	547
AC-FT	40360	149300	94200	157700	103500	124100	283900	479200	745900	363500	92150	45300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2002, BY WATER YEAR (WY)

MEAN	1071	2132	2010	1788	1984	2353	3966	8061	9085	4559	1530	818
MAX	3095	9636	6983	4309	5447	6853	7260	12970	17020	9880	3985	1628
(WY)	1998	1991	1976	1984	1996	1972	1990	1972	1974	1974	1999	1978
MIN	346	426	556	527	518	995	1678	3565	3898	1135	576	362
(WY)	1988	1988	2001	1988	2001	2001	1967	1977	2001	1977	1994	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1963 - 2002
ANNUAL TOTAL	651066	1350705	
ANNUAL MEAN	1784	3701	3281
HIGHEST ANNUAL MEAN			5261
LOWEST ANNUAL MEAN			1589
HIGHEST DAILY MEAN	11900	17600	45200
LOWEST DAILY MEAN	253	253	221
ANNUAL SEVEN-DAY MINIMUM	271	271	271
ANNUAL RUNOFF (AC-FT)	1291000	2679000	2377000
10 PERCENT EXCEEDS	4270	9360	8140
50 PERCENT EXCEEDS	1070	1970	1840
90 PERCENT EXCEEDS	403	745	651

e Estimated