

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 sea level, 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.--39 years (water years 1963-2001), 3,271 ft³/s, 2,370,000 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, 12,200 ft³/s May 25, gage height, 22.71 ft; minimum discharge, 302 ft³/s Sept. 23-25, gage height, 16.70 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	938	651	581	539	492	1620	4650	5790	3170	730	496
2	1760	905	644	570	537	510	1620	4050	6060	3090	691	482
3	1400	873	635	559	545	510	1550	3610	5320	2860	660	473
4	1190	880	616	551	564	512	1470	3340	4630	2800	657	442
5	1040	1050	600	587	579	514	1430	3360	4280	2910	631	406
6	943	1050	594	748	581	525	1420	3310	4110	2690	601	385
7	865	995	585	786	544	544	1390	3130	3950	2390	589	362
8	807	988	578	767	503	589	1340	3350	4030	2220	598	349
9	762	980	574	747	550	690	1240	3900	4320	2150	580	337
10	729	929	574	714	531	727	1200	3990	4510	2090	571	324
11	701	868	554	693	531	755	1190	4150	4160	1970	558	321
12	640	829	e405	678	514	778	1150	4940	3990	1880	549	318
13	663	812	e380	664	508	834	1120	6900	3560	1780	564	321
14	676	786	e405	656	511	945	1080	7610	3370	1660	579	331
15	662	738	e480	634	511	949	1060	7360	3300	1520	596	335
16	655	705	e500	595	520	931	1060	7040	3310	1400	581	344
17	731	711	e530	538	506	906	1140	6190	3260	1270	578	352
18	837	697	e535	596	512	919	1310	5280	3170	1170	566	354
19	870	670	e555	598	514	1080	1430	4840	3160	1080	539	351
20	908	671	e550	590	503	1220	1470	4490	3400	999	500	348
21	1340	657	e550	589	495	1190	1540	4380	3900	955	476	332
22	1460	632	e550	592	495	1180	1670	5390	4330	966	509	323
23	1310	616	e555	584	493	1190	1770	8330	4260	969	807	311
24	1210	620	e560	574	493	1230	1890	11400	3720	957	976	304
25	1130	645	e565	573	489	1370	2280	11900	3250	967	857	306
26	1060	651	567	562	482	1610	3410	10800	2890	937	741	328
27	1010	659	572	545	473	1670	5020	10100	2840	883	656	357
28	1020	641	589	518	476	1660	5870	9030	3390	839	592	380
29	1090	664	597	534	---	1640	5570	7370	3470	846	543	399
30	1040	659	590	533	---	1590	5020	5950	3210	850	524	375
31	981	---	588	543	---	1570	---	5210	---	791	509	---
TOTAL	31360	23519	17228	18999	14499	30830	60330	185350	116940	51059	19108	10846
MEAN	1012	784	556	613	518	995	2011	5979	3898	1647	616	362
MAX	1870	1050	651	786	581	1670	5870	11900	6060	3170	976	496
MIN	640	616	380	518	473	492	1060	3130	2840	791	476	304
AC-FT	62200	46650	34170	37680	28760	61150	119700	367600	232000	101300	37900	21510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001							
MEAN	1082	2123	2022	1768	1987	2361	3945	8068	8996	4524	1531	819																																		
MAX (WY)	3095	9636	6983	4309	5447	6853	7260	12970	17020	9880	3985	1628																																		
MIN (WY)	1998	1991	1976	1984	1996	1972	1990	1972	1974	1974	1999	1978																																		

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1963 - 2001
ANNUAL TOTAL	1040691	580068	
ANNUAL MEAN	2843	1589	3271
HIGHEST ANNUAL MEAN			5261
LOWEST ANNUAL MEAN			1589
HIGHEST DAILY MEAN	12600	May 22	45200
LOWEST DAILY MEAN	380	Dec 13	221
ANNUAL SEVEN-DAY MINIMUM	462	Dec 12	287
ANNUAL RUNOFF (AC-FT)	2064000	1151000	2370000
10 PERCENT EXCEEDS	8030	4130	8100
50 PERCENT EXCEEDS	1240	767	1830
90 PERCENT EXCEEDS	628	482	650

e Estimated