12445000 OKANOGAN RIVER NEAR TONASKET, WA

LOCATION.--Lat 48°37'57", long 119°27'38", in lot 3, sec.8, T.36 N., R.27 E., Okanogan County, Hydrologic Unit 17020006, on right bank 1,000 ft upstream from Chewiliken Creek, 5.2 mi south of Tonasket, and at mile 50.8.

DRAINAGE AREA.--7,260 mi^2, approximately.

PERIOD OF RECORD.--April 1929 to current year.

REVISED RECORDS.--WSP 862: 1937. WSP 1316: 1934(M), 1938(M). WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 860.78 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair, and period from Oct. 1-Jan. 15, which is poor. Diversions upstream from station for irrigation of about 10,700 acres in the United States and 55,000 acres in Canada. Flow affected by regulation of Okanagan and Skaha Lakes and by natural storage in other lakes. U.S. Geological Survey satellite telemeter at station. Water temperature April 1986 to September 1987.

AVERAGE DISCHARGE.--73 years (water years 1930-2002), 2,964 ft^3/s, 2,147,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,700 ft^3/s June 2, 1972, gage height, 22.54 ft; minimum discharge recorded, 126 ft^3/s Sept. 5, 1931, gage height, 3.43 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft^3/s June 1, gage height, 14.89 ft; minimum discharge, 525 ft^3/s Sept. 18, gage height 4.11 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	669	831	990	832	949	1360	1010	4300	18900	8580	1520	1280
2	724	822	964	841	947	1330	1030	5400	18100	7680	1440	1140
3	716	847	924	808	958	1280	1060	6600	17100	6920	1470	736
4	707	864	1010	795	957	1250	1050	6910	16700	6320	1440	956
5	698	874	1010	774	939	1240	1140	6430	16600	5790	1400	976
6	694	858	966	765	916	1280	1330	6130	16800	5320	1370	1100
7	690	843	937	772	884	1310	1420	5810	17000	4790	1340	1320
8	691	842	925	788	891	1130	1540	5480	15600	4740	1360	1300
9	689	822	955	1110	893	1090	1570	5170	13800	5870	1350	1240
10	686	790	941	2660	870	1130	1570	4910	12500	5840	1290	1200
11	698	776	943	2410	856	1140	1590	4710	12100	5360	1230	1190
12	700	782	919	2210	836	1160	1640	4640	12600	5170	1170	1170
13	715	795	920	1910	830	1200	1790	4860	13300	4900	1140	1150
14	720	836	921	1790	802	1190	2070	5530	14400	4560	1090	1020
15	727	845	865	1560	788	1040	3520	6250	15600	4270	1030	967
16	768	1100	908	1420	819	1020	4500	6320	16600	4030	1030	647
17	819	1910	906	1280	819	991	4280	6210	17100	3690	998	544
18	809	1880	866	1230	804	968	3910	6830	16400	3450	977	529
19	683	1580	882	1230	812	1020	3610	7470	15200	3260	945	658
20	692	1360	860	1160	818	1010	3430	7680	13800	3090	851	692
21	694	1300	821	1170	812	998	3410	10200	12600	2910	826	692
22	718	1300	790	1190	810	999	3510	12900	12200	2700	813	682
23	766	1280	768	1130	808	938	3670	13600	12500	2440	810	679
24	735	1190	777	1090	1010	941	3750	13800	12500	2300	846	670
25	796	1130	769	1060	1410	952	3850	13400	11700	2180	830	655
26	848	1070	742	1110	1280	957	4240	13200	11300	2090	834	651
27	833	1020	719	1070	1190	997	4180	13600	11300	2000	922	660
28	815	1020	729	e920	1310	1000	4070	14500	11200	1910	1300	645
29	808	1010	744	e800	---	1010	3860	15900	10200	1820	1360	650
30	854	978	780	e820	---	1010	3850	17300	9280	1860	1320	671
31	861	---	807	875	---	1010	---	18500	---	1710	1290	---
TOTAL	23023	31555	27058	37580	26018	33951	81450	274540	424980	127550	35592	26470
MEAN	743	1052	873	1212	929	1095	2715	8856	14170	4115	1148	882
MAX	861	1910	1010	2660	1410	1360	4500	18500	18900	8580	1520	1320
MIN	669	776	719	765	788	938	1010	4300	9280	1710	810	529
AC-FT	45670	62590	53670	74540	51610	67340	161600	544600	842900	253000	70600	52500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	1205	1463	1331	1181	1293	1425	2754	8591	9777	3748	1480	1094
MAX	2849	4618	4252	2564	2964	3131	13220	16190	27720	10210	4095	3039
(WY)	1960	1991	1996	1981	1991	1991	1934	1972	1972	1972	1993	1948
MIN	403	413	399	360	532	525	770	3790	2650	605	231	231
(WY)	1932	1930	1930	1930	1937	1931	1931	1941	1992	1940	1931	1940

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	478582		1149767			
ANNUAL MEAN	1311		3150		2964	
HIGHEST ANNUAL MEAN					6019	1972
LOWEST ANNUAL MEAN					1142	1931
HIGHEST DAILY MEAN	8230	May 25	18900	Jun 1	44200	Jun 2 1972
LOWEST DAILY MEAN	422	Aug 23	529	Sep 18	132	Sep 5 1931
ANNUAL SEVEN-DAY MINIMUM	435	Sep 8	635	Sep 16	146	Aug 31 1931
ANNUAL RUNOFF (AC-FT)	949300		2281000		2147000	
10 PERCENT EXCEEDS	3170		11300		7670	
50 PERCENT EXCEEDS	760		1130		1460	
90 PERCENT EXCEEDS	485		733		654	

e Estimated