

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NE1/4 NW1/4 NE1/4 sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi².

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above sea level, from topographic map. Prior to Sept. 10, 1982 at datum 2.00 ft higher. Sept. 10, 1982 to Sept. 30, 1985 at datum 10.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges which are poor. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s June 14, 1984, gage height, 9.20 ft; minimum daily discharge, 48 ft³/s May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,050 ft³/s May 25, gage height, 16.22 ft; minimum daily discharge, 204 ft³/s Oct. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	773	491	e480	1010	e500	724	2240	2490	2640	1640	1540	1420
2	447	640	e500	1410	e550	560	2240	2460	2660	1090	1540	1550
3	1150	491	e550	e2500	e575	635	2210	2450	2560	578	1390	1430
4	255	782	e650	e1800	e550	721	2190	2440	2540	1010	1660	1460
5	371	571	386	e1000	e460	861	1960	2440	2570	1040	1380	1640
6	463	334	534	e850	e420	1000	1780	2640	2590	1070	1780	1690
7	536	454	589	e750	e650	895	1790	2450	2570	1110	1710	1360
8	581	567	623	e700	e600	893	1800	2420	2570	908	1620	1800
9	204	566	577	e850	e650	992	1500	2410	2580	682	1880	1610
10	274	529	995	e750	e700	1010	1470	2410	2660	657	1860	1660
11	270	433	1010	e850	e725	1300	1870	2580	2680	875	1810	1590
12	265	598	e1200	e1000	763	1090	1890	2500	2700	1380	1570	1750
13	259	625	954	e460	543	1190	1990	2470	2880	1390	1400	1460
14	259	712	678	e550	826	1060	1970	2540	2870	1540	1180	1760
15	266	293	e600	e600	574	1140	1950	2620	2790	1530	1270	1640
16	272	450	e500	e380	681	876	1960	2640	2510	1580	1050	1680
17	341	578	e460	e500	722	1690	1720	2690	2460	1320	1350	1950
18	463	722	e360	e550	830	1460	1660	2660	2620	1680	1310	1760
19	680	574	e400	e500	649	1440	2490	2560	2660	1300	1670	1890
20	365	624	e550	e550	657	1550	2540	2680	2540	1260	1070	2040
21	335	651	687	e570	737	2110	2560	2730	2460	1460	1470	2100
22	491	536	794	e550	1010	2010	2470	2760	2400	1250	1430	2180
23	525	e460	631	e460	459	1840	2390	2740	2340	1390	1460	1200
24	337	e500	698	e600	603	2000	2480	2760	2130	1200	1540	1580
25	658	e700	641	e550	685	2050	2070	2970	1840	1380	1550	1450
26	483	e600	885	e600	586	2230	2550	2920	1890	1410	1500	1500
27	572	e550	1000	e600	678	2260	2510	2770	1870	1330	1520	1540
28	552	e800	928	e700	730	2270	2370	2690	1820	1430	1570	2020
29	550	e480	826	e750	---	2240	2540	2580	1370	1550	1680	1690
30	547	e550	1150	e550	---	2220	2580	2600	1890	1570	1390	1840
31	387	---	1040	e600	---	2230	---	2610	---	1190	1470	---
TOTAL	13931	16861	21876	24090	18113	44547	63740	80680	72660	38800	46620	50240
MEAN	449	562	706	777	647	1437	2125	2603	2422	1252	1504	1675
MAX	1150	800	1200	2500	1010	2270	2580	2970	2880	1680	1880	2180
MIN	204	293	360	380	420	560	1470	2410	1370	578	1050	1200
AC-FT	27630	33440	43390	47780	35930	88360	126400	160000	144100	76960	92470	99650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1997, BY WATER YEAR (WY)

	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
MEAN	964	995	1029	1025	1025	1221	1479	1612	1455	1076	972	990															
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545															
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986															
MIN	250	298	310	412	351	351	403	357	333	393	461	192															
(WY)	1993	1993	1982	1993	1993	1991	1992	1988	1989	1995	1993	1992															

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1971 - 1997

ANNUAL TOTAL	275646	492158																									
ANNUAL MEAN	753	1348																									
HIGHEST ANNUAL MEAN																											
LOWEST ANNUAL MEAN																											
HIGHEST DAILY MEAN				2720	May 28		2970	May 25		4830	Jun 21 1983																
LOWEST DAILY MEAN				193	Jun 20		204	Oct 9		48	May 29 1988																
ANNUAL SEVEN-DAY MINIMUM				257	Oct 9		257	Oct 9		69	Oct 31 1981																
ANNUAL RUNOFF (AC-FT)				546700			976200			835800																	
10 PERCENT EXCEEDS				1510			2560			2320																	
50 PERCENT EXCEEDS				576			1300			896																	
90 PERCENT EXCEEDS				352			482			326																	

e Estimated