10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi^2.

PERIOD OF RECORD.--April 1954 to September 1996, October 1996 to September 1997 (seasonal).

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

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversion for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,620 ft$^3/_s$ June 7, 1983, gage height, 8.75 ft; minimum, 31 ft$^3/_s$ Oct. 4, 5, 6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily discharge, 1750 ft$^3/_s$ April 29, minimum recorded daily discharge, 161 ft$^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	247	229	e240	206	e180	e190	---	---	---	---	351
2	161	241	249	e250	204	e180	e190	---	---	---	---	344
3	170	243	280	e240	202	e170	e193	---	---	---	---	340
4	171	243	249	e225	201	e180	e198	---	---	---	---	339
5	173	243	214	e210	201	e190	e200	---	---	---	---	332
6	175	233	239	e210	201	e170	e230	---	---	---	---	325
7	172	262	216	e220	201	e180	e240	---	---	---	---	322
8	175	238	219	e240	201	e195	e250	---	---	---	---	317
9	178	241	226	e253	201	e168	e280	---	---	---	---	314
10	179	248	233	e240	201	e175	e300	---	---	---	---	315
11	174	245	242	229	201	e185	e360	---	---	---	---	322
12	172	241	236	221	201	e192	e400	---	---	---	---	337
13	168	250	243	220	200	e188	e460	---	---	---	---	345
14	168	250	e230	220	197	e183	e550	---	---	---	---	340
15	168	246	e200	220	197	e180	e650	---	---	---	---	323
16	180	241	e220	220	194	e190	e725	---	---	---	---	337
17	179	243	e190	219	194	e197	e775	---	---	---	---	331
18	179	266	e190	217	190	e198	e850	---	---	---	---	321
19	193	290	e210	217	187	e190	887	---	---	---	---	325
20	195	304	e230	215	185	e180	928	---	---	---	---	337
21	191	288	e250	214	e190	e192	1060	---	---	---	---	352
22	194	295	e230	213	e190	e180	1100	---	---	---	---	350
23	208	306	e210	210	e190	e190	1030	---	---	---	---	346
24	220	276	e220	210	e180	e183	1190	---	---	---	---	334
25	238	278	e220	210	e170	e180	1340	---	---	---	---	327
26	251	267	e240	210	e180	e190	1370	---	---	---	---	326
27	252	223	e240	210	e200	e185	1490	---	---	---	---	327
28	256	222	e240	210	e180	e180	1660	---	---	---	---	322
29	249	235	e250	209	---	e190	1750	---	---	---	---	328
30	247	267	e260	207	---	e190	1680	---	---	---	---	328
31	248	---	e250	208	---	e190	---	---	---	---	---	---
TOTAL	6047	7672	7155	6837	5445	5721	22526	---	---	---	---	9957
MEAN	195	256	231	221	194	185	751	---	---	---	---	332
MAX	256	306	280	253	206	198	1750	---	---	---	---	352
MIN	161	222	190	207	170	168	190	---	---	---	---	314
AC-FT	11990	15220	14190	13560	10800	11350	44680	---	---	---	---	19750

e Estimated