

STREAMFLOW RECORDS FOR WATER YEAR 2007

LOCATION.--Lat 42°38'42", long 111°41'51" referenced to North American Datum of 1927, in NE ¼ SW ¼ NW ¼ sec.17, T.9 S., R.41 E., Caribou County, ID, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,093 mi².

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp. March 1911 to September 2006 published by United States Geological Survey. Monthly discharge only for some periods, published in USGS WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas. Regular discharge measurements were made throughout the season.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--95 years, 785 ft³/s, 569,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft³/s, Mar 31, 1911; maximum gage height, 15.95 ft, Dec 11, 1919 (backwater from ice); minimum discharge, 14 ft³/s, Oct 22, 1990.

**Bear River at Alexander, ID (10079500)
Water Year 2007 (October 2006 to September 2007)**

Daily Mean Values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	215	241	186	213	202	357	383	290	695	1530	1030	879
2	214	238	186	213	202	355	383	330	750	1500	1000	876
3	215	238	186	215	202	350	383	319	803	1490	938	878
4	216	236	215	241	202	348	377	320	865	1460	943	861
5	325	235	262	280	202	344	377	322	923	1470	926	839
6	324	235	262	280	202	343	377	351	978	1480	908	762
7	323	235	262	278	202	312	377	384	979	1420	900	693
8	321	252	262	277	236	269	377	410	978	1440	868	591
9	322	274	262	276	297	303	377	400	903	1460	839	459
10	324	274	262	277	297	355	472	452	922	1410	810	441
11	339	275	264	276	297	356	708	454	918	1280	868	399
12	323	274	263	247	300	354	701	404	921	1230	871	334
13	322	273	263	199	298	428	695	338	909	1240	870	258
14	323	283	263	200	300	609	431	340	922	1240	911	232
15	325	296	263	201	302	730	162	360	911	1170	969	214
16	326	296	284	199	302	753	160	436	903	1110	990	216
17	317	293	315	199	302	750	158	496	965	1110	988	218
18	307	312	315	199	302	748	157	571	1190	1120	992	216
19	270	341	316	199	302	746	157	685	1300	1120	990	215
20	168	337	293	199	302	743	157	744	1300	1160	1040	218
21	168	338	259	199	302	734	157	774	1380	1200	1100	211
22	168	338	259	199	302	731	157	775	1480	1200	1100	190
23	232	338	255	199	300	724	157	776	1480	1200	1100	192
24	321	338	236	199	299	724	159	779	1480	1200	1050	193
25	309	311	212	199	297	723	159	778	1500	1210	964	194
26	293	265	212	199	295	716	159	746	1520	1200	963	192
27	289	265	212	199	318	628	178	710	1530	1170	962	189
28	290	266	216	199	359	521	160	712	1520	1110	961	184
29	289	243	213	199		521	160	688	1530	1090	925	185
30	273	199	213	199		454	192	656	1530	1090	874	186
31	242		213	201		373		684		1060	876	

	Monthly Statistics											Yearly Stats	
Total	8,693	8,339	7,684	6,859	7,723	16,402	9,007	16,484	33,985	39,170	29,526	11,715	195,587
Mean	280	278	248	221	276	529	300	532	1,130	1,260	952	391	534
Min	168	199	186	199	202	269	157	290	695	1,060	810	184	157
Max	339	341	316	280	359	753	708	779	1,530	1,530	1,100	879	1,530
Ins. Min	167	183	167	199	199	229	157	254	657	1,060	765	183	157
Ins. Max	852	343	852	285	361	756	716	783	1,570	1,530	1,110	886	1,570
Ac-ft	17,240	16,540	15,240	13,600	15,320	32,530	17,870	32,700	67,410	77,690	58,560	23,240	387,940