

**BEAR RIVER AT ALEXANDER, ID  
(10079500)**

**STREAMFLOW RECORDS FOR WATER YEAR 2009**

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 mi<sup>2</sup>.

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. Variations in flow occurred on: April 11, 25, May 31, June 13, 14, 20, 21 and July 12 for whitewater releases into Black Canyon

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--95 years, 785 ft<sup>3</sup>/s, 568,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft<sup>3</sup>/s, Mar 31, 1911; maximum gage height, 15.95 ft, Dec 11, 1919 (backwater from ice); minimum discharge, 14 ft<sup>3</sup>/s, Oct 22, 1990.

DISCHARGE MEASUREMENT DATES.-- 8-25-08, 10-8-08, 11-7-08, 2-11-09, 4-17-09, 6-16-09, 8-19-09, 10-7-09.

**Bear River at Alexander, ID (10079500)  
Water Year 2009 (October 2008 to September 2009)  
Daily Mean Values**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	231	189	201	192	195	205	477	849	657	476	843	656	
2	207	188	202	191	195	206	424	839	655	476	785	618	
3	202	183	207	191	195	206	395	336	683	476	758	604	
4	200	188	208	190	196	338	400	167	698	707	755	582	
5	201	188	208	190	196	402	397	173	696	819	860	574	
6	144	188	208	191	196	430	399	179	745	875	893	519	
7	122	187	208	191	196	463	400	183	804	898	941	491	
8	156	188	208	191	197	462	404	183	859	1060	935	521	
9	207	187	208	191	197	292	404	186	883	1130	994	538	
10	199	208	207	190	196	213	476	188	885	1130	1020	542	
11	198	220	207	191	196	213	690	189	886	1140	953	516	
12	196	220	207	192	197	213	426	253	945	1280	883	504	
13	195	221	207	192	197	214	393	360	1030	1140	867	477	
14	195	220	207	193	197	214	401	430	1030	1140	850	465	
15	194	220	206	194	197	214	411	451	961	1150	866	465	
16	194	220	186	193	198	214	412	454	961	1150	872	467	
17	193	220	176	193	199	388	413	452	955	1150	877	359	
18	193	219	175	193	200	470	412	453	993	1250	857	296	
19	193	219	177	193	200	477	411	455	1030	1290	800	294	
20	193	219	176	194	202	480	410	484	1070	1290	750	266	
21	194	219	174	196	200	480	409	540	1070	1290	730	251	
22	193	219	171	196	200	482	408	560	1040	1300	777	252	
23	194	219	172	196	201	683	407	560	955	1300	783	252	
24	191	219	172	196	202	777	507	560	875	1230	803	251	
25	190	211	172	196	201	763	777	558	756	1190	817	253	
26	190	206	173	195	203	777	830	559	653	1190	826	255	
27	190	197	171	196	205	789	852	557	708	1160	800	256	
28	189	202	171	196	205	793	869	557	594	1070	725	254	
29	190	202	171	196		578	873	557	496	1010	662	254	
30	189	200	183	195		476	862	606	477	958	644	255	
31	189		190	195		476		809		883	649		
	<b>Monthly Statistics</b>												<b>Yearly Stats</b>
<b>Total</b>	5,912	6,186	5,909	5,989	5,559	13,388	15,349	13,687	25,050	32,608	25,575	12,287	<b>167,499</b>
<b>Mean</b>	191	206	191	193	199	432	512	442	835	1,050	825	410	<b>457</b>
<b>Min</b>	122	183	171	190	195	205	393	167	477	476	644	251	<b>122</b>
<b>Max</b>	231	221	208	196	205	793	873	849	1,070	1,300	1,020	656	<b>1,300</b>
<b>Ins. Min</b>	112	171	159	180	191	204	307	135	221	473	596	245	<b>112</b>
<b>Ins. Max</b>	291	226	212	202	207	805	1,740	1,850	1,760	2,040	1,190	672	<b>2,040</b>
<b>Ac-ft</b>	11,730	12,270	11,720	11,880	11,030	26,550	30,440	27,150	49,690	64,680	50,730	24,370	<b>332,240</b>