

**BEAR RIVER AT SODA SPRINGS, ID
(10075000)**

STREAMFLOW RECORDS FOR WATER YEAR 2009

LOCATION.--Lat 42°36'50", long 111°34'58" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec.29, T.9 S., R.42 E., Caribou County, Hydrologic Unit 16010201, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,970 mi² (as reported by the United States Geological Survey).

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp Energy. May to September 1896, May, June 1898, and October 1953 to September 2006 in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report). Discharge measurements available beginning in September 23, 1923.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above NGVD of 1929, from topographic map. May 25 to October 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas. Record is ice-affected November 13th, 2008 through March 1st, flows estimated from winter flow measurements from previous years and upstream gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft³/s, Jun 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum daily discharge, 37 ft³/s, Sep 30, Oct, 1, 2, 2001.

DISCHARGE MEASUREMENT DATES.-- 10-8-08, 12-11-08, 10-31-10.

**Bear River at Soda Springs, ID (10075000)
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	188	95.4	123	102	90	91	271	358	573	406	550	551	
2	191	104	122	101	89	92	250	352	574	392	520	537	
3	192	117	124	103	88	93	257	370	648	556	475	516	
4	199	125	125	100	90	92	244	403	672	882	392	498	
5	210	141	122	99	88	98	248	405	661	903	379	451	
6	203	123	120	101	89	100	250	439	694	871	427	444	
7	163	115	118	100	88	101	257	447	753	855	553	438	
8	108	113	110	98	87	100	288	467	736	847	584	434	
9	99.1	116	106	99	88	105	299	445	746	887	591	437	
10	96	122	104	98	89	103	306	417	791	961	588	435	
11	97	125	102	99	90	102	320	408	841	987	586	432	
12	111	127	103	96	91	105	334	399	847	985	580	400	
13	109	129	103	95	92	104	341	384	822	1070	577	336	
14	106	132	102	96	90	112	353	387	869	1200	582	326	
15	105	127	101	97	89	121	378	385	854	1210	634	327	
16	105	121	105	95	88	132	394	375	841	1190	732	319	
17	105	124	104	93	89	143	414	378	869	1180	732	262	
18	104	122	106	94	90	152	391	387	896	1150	673	193	
19	102	121	103	93	91	163	356	404	909	1140	647	170	
20	101	120	103	92	92	322	344	449	884	1210	661	165	
21	99.6	120	102	91	90	421	329	434	853	1290	692	164	
22	97.9	113	100	91	89	480	321	384	802	1300	689	163	
23	96.3	117	104	92	88	430	330	394	743	1300	698	166	
24	97.3	114	106	91	89	329	372	524	684	1230	722	168	
25	97.2	112	105	90	87	289	403	570	631	1120	723	169	
26	94.2	119	104	89	90	245	391	571	590	1090	722	169	
27	93.5	122	103	89	91	245	367	580	536	1070	668	167	
28	93.5	123	104	88	89	256	385	566	476	974	595	164	
29	96.5	121	105	87		266	408	588	448	855	559	167	
30	97.3	124	103	88		276	393	598	427	838	554	175	
31	96.1		102	89		289		579		741	554		
	Monthly Statistics											Yearly Stats	
Total	3,754	3,604	3,344	2,936	2,501	5,957	9,994	13,847	21,670	30,690	18,639	9,343	126,279
Mean	121	120	108	95	89	192	333	447	722	990	601	311	344
Min	94	95	100	87	87	91	244	352	427	392	379	163	87
Max	210	141	125	103	92	480	414	598	909	1,300	732	551	1,300
Ins. Min	94	90	71	87	87	91	240	336	412	384	373	155	71
Ins. Max	211	149	463	413	420	672	419	602	920	1,300	751	555	1,300
Ac-ft	7,440	7,150	6,630	5,820	4,960	11,820	19,820	27,470	42,980	60,870	36,970	18,530	250,460