

BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID (10080000)

STREAMFLOW RECORDS FOR WATER YEAR 2008

LOCATION.--Lat 42°35'11", long 111°43'51" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ sec.1, T.10 S., R.40 E., Caribou County, Hydrologic Unit 16010202, on left bank 1,000 ft downstream from dam, and 1 mi north of Grace.

DRAINAGE AREA.--4,110 mi².

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp. 1986 to September 2006 published by USGS. Pre-publication data: April 1922 to November 1923 (fragmentary); March 1924 to 1986. 1945 to 1950 published in reports on Bear River Hydrometric Data, water year 1946 published in WSP 1060.

GAGE.--Water-stage recorder. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map.

REMARKS.--This gage is in the bypass reach for the Grace Power Plant. Flows are heavily regulated. Releases for recreational boating and ramp-rate study made on April 14, April 20, June 1, July 12 and July 13.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft³/s, Jun 10, 1986, gage height, 6.77 ft; minimum, 0.74 ft³/s, Feb 2, 1986.

DISCHARGE MEASUREMENT DATES.-- 8-23-07, 10-4-07, 11-7-07, 12-18-07, 2-5-08, 3-20-08, 4-14-08, 6-5-08, 7-15-08, 9-9-08, 10-7-08.

Bear River Below Grace Dam, near Grace, ID (10080000) Water Year 2008 (October 2007 to September 2008)

Daily Mean Values																																																																				
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep																																																								
1	14.2	101	103	77.7	60.5	90.8	82.4	88.3	365	67.8	79.3	80.2																																																								
2	13.4	101	95.3	76.7	57.1	86.7	83	88.2	85.1	68.9	79.3	78.1																																																								
3	26.1	101	98.2	74.1	56.3	87.3	83.6	87.8	85	68.9	78.7	79.4																																																								
4	67.4	100	103	74.7	69.4	87.1	84.3	168	86.2	69.1	79.3	82																																																								
5	73.8	101	99.1	74.1	89.3	88.4	84.9	205	86	70.5	89.5	80.2																																																								
6	72.3	99.9	97.9	71.8	91.2	88.3	85.5	197	78	72.1	128	81.1																																																								
7	67.9	106	104	71.1	80.4	90	86.1	202	74.5	72.4	127	96.6																																																								
8	67.7	131	97.9	70.7	76.4	90.8	86.7	205	74.1	69.6	125	86.9																																																								
9	80.1	125	94	70.3	75.8	91.2	87.4	206	74	70.4	104	76.5																																																								
10	113	109	95.4	68.7	75.2	90.3	88	207	73.3	70.7	80.7	75.1																																																								
11	103	111	95.9	69.5	75.2	91.2	88.4	208	74	71.4	81	74																																																								
12	104	111	102	69.2	75.6	92.1	88.7	208	74.5	488	80	77.9																																																								
13	104	103	112	68.2	77.9	92.9	89.9	208	73.3	549	80.1	79.1																																																								
14	105	84.3	103	66.5	79.2	95.4	468	208	73.7	81.4	79.5	78.5																																																								
15	129	90.9	103	66.1	78.7	90.8	90.6	200	73.3	81.9	79.5	78.6																																																								
16	145	89.9	101	64.8	79	86.8	89.4	131	59.5	78.9	79.5	94.3																																																								
17	133	89.3	102	64.8	79.3	90.5	88	84.9	48.2	77.4	77.4	133																																																								
18	132	88.6	106	67.1	79.5	89	88.9	85.4	39.5	77.4	77.4	149																																																								
19	129	88.8	96.4	72.2	80	55.1	89.9	86	45.3	76.7	77.4	147																																																								
20	115	88.7	82.4	68.6	81.4	52.8	396	85.9	72	76.1	77.7	141																																																								
21	78.1	91.6	84.7	62.9	80.7	50.5	86.6	87.6	72.9	82.8	77.7	92																																																								
22	81.9	96.4	81.7	61.7	81	50.7	87.9	85.6	72.5	77.4	78.1	64.9																																																								
23	91.1	81.2	79.8	61.3	81.3	49.3	89.5	85.6	70.4	76.5	79.1	73.5																																																								
24	97.9	79.5	81.6	60.9	81.7	47.5	89.3	85.3	67.8	77.4	79.2	60.7																																																								
25	101	85.4	80.7	60.5	82	51.8	88.9	85.2	67.4	77.4	80.3	43.5																																																								
26	103	93.1	80.3	59.1	82.8	51.7	87.8	85.1	67.1	77.4	80.1	52.9																																																								
27	103	96.2	79.8	58.9	84.9	81	88.9	112	66.7	77.9	79.8	52.7																																																								
28	102	89.6	79.9	62.1	85.3	95.4	88.7	89.6	67	77.4	79.7	52																																																								
29	102	90.8	79.1	63.1	87.9	80.6	88.1	84.7	68	77.9	80.1	51.2																																																								
30	102	93.3	78.9	62.4	81.2	87.1	84.6	67.4	78.3	78.8	48.7																																																									
31	102		77.9	62	81.8		84.5		78.3	84																																																										
Monthly Statistics																																																																				
	Total	Mean	Min	Max	Ins. Min	Ins. Max	Ac-ft						Yearly Stats																																																							
	2,859	92	13	145	12	409	5,670	2,918	97	80	131	5,790	2,876	93	78	112	5,700	2,082	67	59	78	4,130	2,265	78	56	91	56	97	4,490	2,449	110	82	468	84	1,340	4,860	3,313	133	85	208	8,190	4,129	80	68	549	6,380	2,402	104	77	128	5,230	3,217	85	82	149	4,880	2,637	82	44	168	4,880	33,607	92	13	549	12	1,340	66,650