

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

STREAMFLOW RECORDS FOR WATER YEAR 2009

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. Recreational releases significantly greater than usual flows made on: April 11, 25, May 31, June 13, 14, 20, 21 and July 12. A discharge measurement was made during the April 25th event.

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.-- 9-9-08, 10-7-08, 11-19-08, 1-21-09, 3-19-09, 4-21-09, 4-25-09, 6-17-09, 8-26-09, 10-21-09.

**Bear River Below Grace Dam, near Grace, ID (10080000)
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	60.9	126	85.9	89.6	82.6	74.4	74.5	77.7	96.8	145	85.3	89.5
2	47.5	130	85.4	89.7	82.4	74.8	73.9	78.1	97.5	100	86.9	91.7
3	44.4	121	86.3	89	82.3	75	73.7	138	98.5	53.4	86.3	91.2
4	47.1	130	86.5	89.8	80.8	75.7	73.4	171	97.7	67.7	84.7	90.6
5	44	127	85.2	91.4	80.7	74.2	73.2	166	92.3	86.5	82.1	90.8
6	58.2	127	86.5	91.7	80.4	74.2	72.9	168	88.6	88.4	81.9	91.3
7	74.7	127	85.7	90.6	79.7	75.3	72.7	171	88.6	89.9	81.9	91.9
8	91.1	127	85.5	89	79.6	76.5	73.4	172	88.7	90.8	81.8	91.4
9	152	127	85.1	88.4	79.5	76.7	73.8	174	89	92	82.4	92.2
10	134	111	85.3	88.6	79.4	74.9	87.3	177	89.6	85.6	81.6	91.6
11	135	88.6	85.5	88.8	79.1	74.2	338	178	90	83.7	81.7	90.5
12	135	90.1	85.6	88.9	78	74	80.3	112	89.1	354	81.5	90.7
13	134	90.1	86.2	89.1	77.7	73.3	79.1	81.6	311	81	80.5	90.7
14	141	88.3	86	89.3	76.8	73.8	79.2	82.1	272	80.3	79.7	90.4
15	150	88.3	86.2	89.5	76.7	73.2	78.9	83.6	87.4	81.2	80.8	90.5
16	145	88.3	86.4	89.7	76.6	74.4	78.7	82.3	88.1	82.3	80	91.8
17	144	88.3	86.5	89.8	76.5	74.3	78.4	82.7	87.1	80.4	78.8	74.5
18	145	88.3	86.7	89	76.4	83.4	78.2	82.4	86.9	80.7	77.7	90.5
19	145	86.7	86.9	87.9	76.3	89.9	77.2	82.9	87.4	80.3	78.1	78.9
20	147	86.4	87.1	88.7	76.2	112	77.6	82.6	324	80.1	80.8	56.3
21	147	86.4	87.2	86.8	76.1	113	77.5	82.9	272	80.1	82.2	37
22	148	86.6	87.6	85.9	76	117	77.4	83.8	84.8	80.9	83.2	46.3
23	152	86.7	87.6	85.8	75.9	86.2	76.9	84.1	84.6	80.8	81.9	56.8
24	149	86.8	87.8	85.7	75.9	76.9	76.9	85.5	86.9	79.8	82.5	65.9
25	151	85	88.2	85.6	74.4	77.7	328	83.9	86.2	79.4	82.2	69.2
26	151	85	86.1	85.4	75.5	75.6	77.9	83.8	88.1	79.6	82.7	69.8
27	151	85.2	87.9	85.3	75.3	75.4	78.6	84	86.9	79.7	84.6	69.6
28	151	85.4	87.8	85.2	74.8	75.1	78.1	85.7	86.2	80.9	85.9	79.1
29	151	85.6	88.5	84.1		75.1	77.7	86	86.3	81.8	88	85
30	151	85.7	88.5	83		75.3	78.2	86	105	82.3	88.7	118
31	139		89	83		74.9		310		84.1	88.6	

	Monthly Statistics											Yearly Stats	
Total	3,816	2,995	2,687	2,724	2,182	2,476	2,822	3,599	3,517	2,873	2,565	2,454	34,709
Mean	123	100	87	88	78	80	94	116	117	93	83	82	95
Min	44	85	85	83	74	73	73	78	85	53	78	37	37
Max	152	130	89	92	83	117	338	310	324	354	89	118	354
Ins. Min	43	85	84	83	73	72	72	77	56	21	76	21	21
Ins. Max	193	138	90	95	83	120	938	908	835	1,050	92	163	1,050
Ac-ft	7,570	5,940	5,330	5,400	4,330	4,910	5,600	7,140	6,980	5,700	5,090	4,870	68,860