

**BEAR RIVER BELOW UTAH POWER LIGHT
CO.'S TAILRACE, AT ONEIDA, ID
(10086500)**

STREAMFLOW RECORDS FOR WATER YEAR 2010

LOCATION.--Lat 42°16'00", long 111°45'04" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ sec.26, T.13 S., R.40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant and 6 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi².

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp. October 1921 to September 2006 published by USGS. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 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. Change in hydrographer duties resulted in lack of mid-summer measurement. Downstream flow and generation data used to inform estimates for the period 6/17/ through 8/29.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 ft³/s, May 8, 1922; minimum, 3.0 ft³/s, Jun 13, 1978.

DISCHARGE MEASUREMENT DATES.-- 8-25-09, 11-4-09, 3-24-10, 10-28-10.

**Bear River Below Utah Power & Light Co.'s Tailrace, at Oneida, ID (10086500)
Water Year 2010 (October 2009 to September 2010)**

Daily Mean Values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	368	426	357	373	431	372	508	421	690	839	981	911
2	404	411	371	385	396	371	507	422	692	784	980	754
3	420	384	339	387	371	381	630	402	652	769	984	670
4	464	407	308	375	372	370	628	377	736	829	1000	666
5	490	402	332	366	373	366	597	378	816	879	1040	650
6	444	417	361	355	374	377	642	442	780	994	1080	646
7	413	441	365	307	384	393	630	508	688	1070	1090	651
8	501	461	353	247	379	398	623	473	876	1220	1100	610
9	478	450	352	321	351	454	626	448	848	1420	1140	632
10	447	448	349	428	341	471	626	422	801	1420	1170	682
11	437	457	349	395	375	465	629	460	761	1410	1150	584
12	426	396	371	352	391	449	645	526	792	1420	1150	434
13	382	354	404	388	382	427	681	639	813	1440	1140	420
14	361	345	418	406	376	426	663	631	885	1450	1180	422
15	429	344	417	395	377	427	727	595	977	1460	1250	424
16	516	348	393	378	377	439	726	578	979	1350	1250	383
17	569	345	371	368	380	452	768	582	1010	1270	1180	354
18	530	346	384	367	379	466	779	584	933	1260	1130	370
19	479	346	373	380	372	472	850	656	882	1290	1130	352
20	470	346	367	395	373	464	851	621	702	1270	1180	307
21	448	345	364	393	355	455	819	575	549	1240	1220	308
22	440	345	364	392	343	455	951	549	455	1240	1190	323
23	443	366	364	392	353	456	878	590	303	1190	1370	322
24	476	368	347	390	391	444	733	774	267	1180	1450	319
25	461	361	318	387	415	456	690	644	312	1190	1440	317
26	490	385	313	378	389	504	619	609	487	1210	1340	316
27	436	384	311	372	383	524	495	641	646	1250	1180	318
28	421	381	368	369	378	518	456	677	725	1170	1130	323
29	435	380	367	351	351	515	430	707	833	1130	987	389
30	479	366	351	309	309	516	412	678	836	1100	878	440
31	419		361	366	366	515	649	649	1010	865		

	Monthly Statistics											Yearly Stats	
Total	13,976	11,555	11,162	11,467	10,561	13,798	19,819	17,258	21,726	36,754	35,355	14,297	217,728
Mean	451	385	360	370	377	445	661	557	724	1,190	1,140	477	594
Min	361	344	308	247	341	366	412	377	267	769	865	307	247
Max	569	461	418	428	431	524	951	774	1,010	1,460	1,450	911	1,460
Ins. Min	296	333	307	224	321	281	396	369	267	769	790	222	222
Ins. Max	1,360	1,060	420	475	441	944	2,990	1,070	1,120	1,540	1,450	918	2,990
Ac-ft	27,720	22,920	22,140	22,740	20,950	27,370	39,310	34,230	43,090	72,900	70,130	28,360	431,860

PacifiCorp Energy

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Rating Table

Gage Height in Feet - Discharge in Cubic Feet Per Second

Gage Height	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.8	25	25	25.6	26.2	26.8	27.3	27.8	28.4	28.9	29.3
0.9	29.8	30.3	30.7	31.1	31.6	32	32.4	32.8	33.3	33.7
1.0	34.1	34.6	35	35.5	36	36.5	37.1	37.6	38.2	38.8
1.1	39.5	40.2	40.9	41.7	42.5	43.3	44.2	45.1	46.1	47.1
1.2	48.2	49.3	50.5	51.7	53	54.9	56.3	57.7	59.2	60.7
1.3	62.2	63.8	65.4	67	68.6	70.2	71.9	73.6	75.3	77
1.4	78.8	80.6	82.4	84.2	86	87.9	89.8	91.6	93.6	95.5
1.5	97.4	99.4	101	103	105	107	110	112	114	116
1.6	118	120	122	124	127	129	131	133	136	138
1.7	140	143	145	147	150	152	155	157	160	162
1.8	164	167	169	172	175	177	180	182	185	187
1.9	190	192	195	197	200	203	205	208	210	213
2.0	218	220	222	224	226	229	231	233	236	238
2.1	241	243	246	249	251	254	257	259	262	265
2.2	268	271	274	276	279	282	286	289	292	295
2.3	298	301	304	308	311	314	318	321	324	328
2.4	331	335	338	342	345	349	352	356	360	363
2.5	367	371	375	378	382	386	390	394	398	401
2.6	405	409	413	417	421	425	429	434	438	442
2.7	446	450	454	458	463	467	471	475	480	484
2.8	488	493	497	502	506	510	515	519	524	528
2.9	533	537	542	546	551	556	560	565	570	574
3.0	579	584	588	593	598	602	607	612	617	622
3.1	626	631	636	641	646	651	656	660	665	670
3.2	675	680	685	690	695	700	705	710	715	720
3.3	725	731	736	741	746	751	756	761	766	772
3.4	777	782	787	792	798	803	808	813	819	824
3.5	829	835	840	845	851	856	861	867	872	877
3.6	883	888	894	899	905	910	915	921	926	932
3.7	937	943	948	954	959	965	971	976	982	987
3.8	993	999	1000	1010	1020	1020	1030	1030	1040	1040
3.9	1050	1060	1060	1070	1070	1080	1080	1090	1100	1100
4.0	1110	1110	1120	1120	1130	1140	1140	1150	1150	1160
4.1	1170	1170	1180	1180	1190	1200	1200	1210	1210	1220
4.2	1230	1230	1240	1240	1250	1260	1260	1270	1270	1280
4.3	1290	1290	1300	1300	1310	1320	1320	1330	1340	1340
4.4	1350	1350	1360	1370	1370	1380	1390	1390	1400	1400
4.5	1410	1420	1420	1430	1440	1440	1450	1460	1460	1470
4.6	1480	1480	1490	1500	1500	1510	1510	1520	1530	1530
4.7	1540	1550	1550	1560	1570	1580	1580	1590	1600	1600

Gage Height	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
4.8	1610	1620	1620	1630	1640	1640	1650	1660	1660	1670
4.9	1680	1680	1690	1700	1710	1710	1720	1730	1730	1740
5.0	1750	1760	1760	1770	1780	1780	1790	1800	1810	1810
5.1	1820	1830	1840	1840	1850	1860	1870	1870	1880	1890
5.2	1900	1900	1910	1920	1930	1930	1940	1950	1960	1960
5.3	1970	1980	1990	2000	2000	2010	2020	2030	2040	2040
5.4	2050	2060	2070	2080	2080	2090	2100	2110	2120	2120
5.5	2130	2140	2150	2160	2170	2170	2180	2190	2200	2210
5.6	2220	2230	2230	2240	2250	2260	2270	2280	2290	2290
5.7	2300	2310	2320	2330	2340	2350	2360	2370	2370	2380
5.8	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480
5.9	2490	2490	2500	2510	2520	2530	2540	2550	2560	2570
6.0	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670
6.1	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770
6.2	2780	2790	2800	2810	2820	2840	2850	2860	2870	2880
6.3	2890	2900	2910	2920	2930	2940	2950	2970	2980	2990
6.4	3000	3010	3020	3030	3040	3060	3070	3080	3090	3100
6.5	3110	3120	3140	3150	3160	3170	3180	3190	3210	3220
6.6	3230	3240	3250	3270	3280	3290	3300	3320	3330	3340
6.7	3350	3370	3380	3390	3400	3420	3430	3440	3450	3470
6.8	3480	3490	3510	3520	3530	3540	3560	3570	3580	3600
6.9	3610	3620	3640	3650	3660	3680	3690	3710	3720	3730
7.0	3750	3760	3770	3790	3800	3820	3830	3840	3860	3870
7.1	3890	3900	3920	3930	3950	3960	3970	3990	4000	4020
7.2	4030	4050	4060	4080	4090	4110	4120	4140	4150	4170
7.3	4180	4200	4210	4230	4250	4260	4280	4290	4310	4320
7.4	4340	4360	4370	4390	4400	4420	4440	4450	4470	4480
7.5	4500	4520	4530	4550	4570	4580	4600	4620	4630	4650
7.6	4670	4680	4700	4720	4730	4750	4770	4790	4800	4820
7.7	4840	4860	4870	4890	4910	4930	4940	4960	4980	5000
7.8	5020	5030	5050	5070	5090	5110	5120	5140	5160	5180
7.9	5200	5220	5240	5250	5270	5290	5310	5330	5350	5370
8.0	5390	5410	5430	5440	5460	5480	5500	5520	5540	5560
8.1	5580	5600	5620	5640	5660	5680	5700	5720	5740	5760
8.2	5780	5800	5820	5840	5860	5880	5900	5920	5940	5960
8.3	5990	6010	6030	6050	6070	6090	6110	6130	6150	6170