

**BEAR LAKE OUTLET CANAL
NEAR PARIS, ID
(10059500)**

STREAMFLOW RECORDS FOR WATER YEAR 2011

LOCATION.--Lat 42°13'00", long 111°20'35" referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ sec.8, T.14 S., R.44 E., Bear Lake County, ID, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp. September 1945 to September 2006 published in USGS Water Data Reports. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above NGVD of 1929, unadjusted.

REMARKS.--The Outlet canal was opened up on Oct 25th to refill irrigation releases made from Oneida reservoir. The Outlet canal was closed again on November 1st, 2010. A minimum leakage flow of 5 cfs is assumed when the gates are shut. Opened on July 7, 2011 to pass natural flow and position Bear Lake for the 2012 spring runoff.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft³/s, Jun 19-21, 1986; minimum daily discharge, 1.0 ft³/s, for many days in 1937, 1954, 1959, 1961,

DISCHARGE MEASUREMENT DATES.-- 9-1-10, 10-29-10, 7-9-11, 7-19-11, 8-7-11, 8-13-11, 8-21-11, 9-13-11, 9-18-11, 10-9-11.

**Bear Lake Outlet Canal near Paris, ID (10059500)
Water Year 2011 (October 2010 to September 2011)**

Daily Mean Values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	284	128	5	5	5	5	5	5	5	5	1200	1240	
2	145	5	5	5	5	5	5	5	5	5	1140	1270	
3	5	5	5	5	5	5	5	5	5	5	1130	1290	
4	5	5	5	5	5	5	5	5	5	5	1120	1300	
5	5	5	5	5	5	5	5	5	5	5	1130	1280	
6	5	5	5	5	5	5	5	5	5	5	1130	1260	
7	5	5	5	5	5	5	5	5	5	218	1120	1230	
8	5	5	5	5	5	5	5	5	5	482	1130	1210	
9	5	5	5	5	5	5	5	5	5	490	1130	1220	
10	5	5	5	5	5	5	5	5	5	507	1150	1250	
11	5	5	5	5	5	5	5	5	5	527	1190	1260	
12	5	5	5	5	5	5	5	5	5	622	1170	1270	
13	5	5	5	5	5	5	5	5	5	736	1160	1270	
14	5	5	5	5	5	5	5	5	5	728	1140	1280	
15	5	5	5	5	5	5	5	5	5	721	1120	1300	
16	5	5	5	5	5	5	5	5	5	715	1110	1310	
17	5	5	5	5	5	5	5	5	5	831	1150	1020	
18	5	5	5	5	5	5	5	5	5	996	1220	580	
19	5	5	5	5	5	5	5	5	5	1110	1200	571	
20	5	5	5	5	5	5	5	5	5	1100	1190	575	
21	5	5	5	5	5	5	5	5	5	1090	1200	613	
22	5	5	5	5	5	5	5	5	5	1090	1230	656	
23	5	5	5	5	5	5	5	5	5	1080	1260	655	
24	5	5	5	5	5	5	5	5	5	1080	1220	656	
25	88.2	5	5	5	5	5	5	5	5	1080	1220	661	
26	316	5	5	5	5	5	5	5	5	1080	1220	660	
27	323	5	5	5	5	5	5	5	5	1080	1260	656	
28	324	5	5	5	5	5	5	5	5	1070	1280	652	
29	302	5	5	5	5	5	5	5	5	1070	1270	645	
30	264	5	5	5	5	5	5	5	5	1070	1260	640	
31	265		5	5		5		5		1160	1250		
	Monthly Statistics												Yearly Stats
Total	2,421	273	155	155	140	155	150	155	150	21,763	36,700	29,480	91,697
Mean	78	9	5	5	5	5	5	5	5	702	1,180	983	249
Min	5	5	5	5	5	5	5	5	5	5	1,110	571	5
Max	324	128	5	5	5	5	5	5	5	1,160	1,280	1,310	1,310
Ins. Min	5	5	5	5	5	5	5	5	5	5	1,100	568	5
Ins. Max	327	266	5	5	5	19	237	90	121	1,230	1,300	1,330	1,330
Ac-ft	4,800	541	307	307	278	307	298	307	298	43,170	72,790	58,470	181,873

PacifiCorp Energy

Bear Lake Outlet Canal near Paris, ID (10059500)

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
13.7	5	5	5	5	5	5	5	17	19	21
13.8	23	24	26	28	29.7	31.5	33.2	35	36.8	38.6
13.9	40.4	42.2	44	45.8	47.6	49.5	51.3	53.1	55	56.8
14.0	58.7	60.5	62.4	64.2	66.1	68	69.9	71.7	73.6	75.5
14.1	77.4	79.3	81.2	83.2	85.1	87	88.9	90.9	92.8	94.8
14.2	96.7	98.7	101	103	105	107	109	111	112	114
14.3	116	118	121	123	125	127	129	131	133	135
14.4	137	139	141	143	145	147	149	151	153	155
14.5	158	160	162	164	166	168	170	172	175	177
14.6	179	181	183	185	188	190	192	194	196	198
14.7	201	203	205	207	210	212	214	216	219	221
14.8	223	225	228	230	232	234	237	239	241	244
14.9	246	248	250	253	255	257	260	262	264	267
15.0	269	272	274	276	279	281	283	286	288	291
15.1	293	295	298	300	303	305	308	310	312	315
15.2	317	320	322	325	327	330	332	335	337	340
15.3	342	345	347	350	352	355	357	360	362	365
15.4	368	370	373	375	378	380	383	386	388	391
15.5	393	396	399	401	404	407	409	412	415	417
15.6	420	422	425	428	431	433	436	439	441	444
15.7	447	449	452	455	458	460	463	466	469	471
15.8	474	477	480	482	485	488	491	494	496	499
15.9	502	505	508	510	513	516	519	522	525	528
16.0	530	533	536	539	542	545	548	551	554	556
16.1	559	562	565	568	571	574	577	580	583	586
16.2	589	592	595	598	601	604	607	610	613	616
16.3	619	622	625	628	631	634	637	640	643	646
16.4	649	652	655	658	661	665	668	671	674	677
16.5	680	683	686	689	693	696	699	702	705	708
16.6	712	715	718	721	724	727	731	734	737	740
16.7	743	747	750	753	756	760	763	766	769	773
16.8	776	779	783	786	789	792	796	799	802	806
16.9	809	812	816	819	822	826	829	832	836	839
17.0	842	846	849	853	856	859	863	866	870	873
17.1	876	880	883	887	890	894	897	900	904	907
17.2	911	914	918	921	925	928	932	935	939	942
17.3	946	949	953	957	960	964	967	971	974	978
17.4	981	985	989	992	996	999	1000	1010	1010	1010
17.5	1020	1020	1020	1030	1030	1040	1040	1040	1050	1050
17.6	1050	1060	1060	1070	1070	1070	1080	1080	1080	1090

Gage Height	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
17.7	1090	1090	1100	1100	1110	1110	1110	1120	1120	1120
17.8	1130	1130	1140	1140	1140	1150	1150	1160	1160	1160
17.9	1170	1170	1170	1180	1180	1190	1190	1190	1200	1200
18.0	1210	1210	1210	1220	1220	1220	1230	1230	1240	1240
18.1	1240	1250	1250	1260	1260	1260	1270	1270	1280	1280
18.2	1280	1290	1290	1300	1300	1300	1310	1310	1320	1320
18.3	1320	1330	1330	1340	1340	1340	1350	1350	1360	1360
18.4	1360	1370	1370	1380	1380	1380	1390	1390	1400	1400
18.5	1410	1410	1410	1420	1420	1430	1430	1430	1440	1440
18.6	1450	1450	1460	1460	1460	1470	1470	1480	1480	1490
18.7	1490	1490	1500	1500	1510	1510	1510	1520	1520	1530
18.8	1530	1540	1540	1540	1550	1550	1560	1560	1570	1570
18.9	1570	1580	1580	1590	1590	1600	1600	1610	1610	1610
19.0	1620	1620	1630	1630	1640	1640	1650	1650	1650	1660
19.1	1660	1670	1670	1680	1680	1690	1690	1690	1700	1700
19.2	1710	1710	1720	1720	1730	1730	1730	1740	1740	1750
19.3	1750	1760	1760	1770	1770	1780	1780	1780	1790	1790
19.4	1800	1800	1810	1810	1820	1820	1830	1830	1840	1840
19.5	1840	1850	1850	1860	1860	1870	1870	1880	1880	1890
19.6	1890	1900	1900	1910	1910	1910	1920	1920	1930	1930
19.7	1940	1940	1950	1950	1960	1960	1970	1970	1980	1980
19.8	1990	1990	2000	2000	2010	2010	2010	2020	2020	2030
19.9	2030	2040	2040	2050	2050	2060	2060	2070	2070	2080
20.0	2080	2090	2090	2100	2100	2110	2110	2120	2120	2130
20.1	2130	2140	2140	2150	2150	2160	2160	2170	2170	2180
20.2	2180	2190	2190	2200	2200	2210	2210	2220	2220	2230
20.3	2230	2240	2240	2250	2250	2260	2260	2270	2270	2280
20.4	2280	2290	2290	2300	2300	2310	2310	2320	2320	2330
20.5	2330	2340	2340	2350	2350	2360	2360	2370	2380	2380
20.6	2390	2390	2400	2400	2410	2410	2420	2420	2430	2430
20.7	2440	2440	2450	2450	2460	2460	2470	2470	2480	2490
20.8	2490	2500	2500	2510	2510	2520	2520	2530	2530	2540
20.9	2540	2550	2550	2560	2570	2570	2580	2580	2590	2590
21.0	2600	2600	2610	2610	2620	2620	2630	2640	2640	2650
21.1	2650	2660	2660	2670	2670	2680	2680	2690	2700	2700
21.2	2710	2710	2720	2720	2730	2730	2740	2750	2750	2760
21.3	2760	2770	2770	2780	2780	2790	2800	2800	2810	2810
21.4	2820	2820	2830	2830	2840	2850	2850	2860	2860	2870
21.5	2870	2880	2890	2890	2900	2900	2910	2910	2920	2930
21.6	2930	2940	2940	2950	2950	2960	2970	2970	2980	2980
21.7	2990	2990	3000	3010	3010	3020	3020	3030	3030	3040
21.8	3050	3050	3060	3060	3070	3080	3080	3090	3090	3100
21.9	3100	3110	3120	3120	3130	3130	3140	3150	3150	3160
22.0	3160	3170	3180	3180	3190	3190	3200	3210	3210	3220
22.1	3220	3230	3230	3240	3250	3250	3260	3260	3270	3280

Gage Height	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
22.2	3280	3290	3290	3300	3310	3310	3320	3320	3330	3340
22.3	3340	3350	3360	3360	3370	3370	3380	3390	3390	3400
22.4	3400	3410	3420	3420	3430	3430	3440	3450	3450	3460
22.5	3470	3470	3480	3480	3490	3500	3500	3510	3510	3520
22.6	3530	3530	3540	3550	3550	3560	3560	3570	3580	3580
22.7	3590	3600	3600	3610	3610	3620	3630	3630	3640	3650
22.8	3650	3660	3670	3670	3680	3680	3690	3700	3700	3710
22.9	3720	3720	3730	3740	3740	3750	3750	3760	3770	3770
23.0	3780	3790	3790	3800	3810	3810	3820	3830	3830	3840
23.1	3840	3850	3860	3860	3870	3880	3880	3890	3900	3900
23.2	3910	3920	3920	3930	3940	3940	3950	3960	3960	3970
23.3	3970	3980	3990	3990	4000	4010	4010	4020	4030	4030
23.4	4040	4050	4050	4060	4070	4070	4080	4090	4090	4100
23.5	4110	4110	4120	4130	4130	4140	4150	4150	4160	4170
23.6	4170	4180	4190	4190	4200	4210	4210	4220	4230	4230
23.7	4240	4250	4260	4260	4270	4280	4280	4290	4300	4300
23.8	4310	4320	4320	4330	4340	4340	4350	4360	4360	4370
23.9	4380	4390	4390	4400	4410	4410	4420	4430	4430	4440
24.0	4450	4450	4460	4470	4470	4480	4490	4500	4500	