

**WEST SIDE CANAL NEAR COLLINSTON, UT  
(10117500)**

**STREAMFLOW RECORDS FOR WATER YEAR 2010**

LOCATION.--Lat 41°49'55", long 112°03'36" referenced to North American Datum of 1927, in SW ¼ sec.27, T.13 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Canal diverts from east side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

*AVERAGE DISCHARGE FOR PERIOD OF RECORD.--95 years, 783 ft<sup>3</sup>/s, 567,500 acre-ft/yr.*

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 787 ft<sup>3</sup>/s, Jun 23, 1986; no flow for periods in every year except 1914.

DISCHARGE MEASUREMENT DATES.-- 9-11-09, 10-29-09, 10-30-09, 4-29-10, 6-10-10, 6-29-10, 8-13-10, 9-17-10, 10-1-10.

**West Side Canal near Collinston, UT (10117500)  
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	316	0	0	0	0	0	0	411	605	758	702	700
2	302	0	0	0	0	0	0	411	605	754	700	704
3	302	0	0	0	0	0	0	431	608	764	702	702
4	300	0	0	0	0	0	0	462	605	765	702	703
5	300	0	0	0	0	0	0	486	604	767	700	707
6	299	0	0	0	0	0	0	487	605	751	699	694
7	297	0	0	0	0	0	0	489	606	739	696	674
8	300	0	0	0	0	0	0	542	603	740	695	662
9	298	0	0	0	0	0	0	601	607	739	695	664
10	300	0	0	0	0	0	0	603	603	741	695	662
11	299	0	0	0	0	0	0	598	598	746	701	660
12	297	0	0	0	0	0	0	592	592	747	705	661
13	238	0	0	0	0	0	0	597	600	742	700	614
14	184	0	0	0	0	0	0	600	606	740	704	571
15	168	0	0	0	0	0	0	601	610	739	704	566
16	157	0	0	0	0	0	0	602	612	740	704	547
17	155	0	0	0	0	0	0	602	608	741	704	532
18	153	0	0	0	0	0	0	604	618	741	703	533
19	151	0	0	0	0	0	0	601	651	738	704	534
20	152	0	0	0	0	0	0	599	649	736	700	532
21	154	0	0	0	0	0	0	599	650	732	712	520
22	153	0	0	0	0	0	0	598	669	733	715	481
23	152	0	0	0	0	0	0	600	703	735	713	465
24	152	0	0	0	0	0	0	601	730	735	711	466
25	152	0	0	0	0	0	0	597	732	737	711	466
26	152	0	0	0	0	0	0	603	747	737	710	465
27	150	0	0	0	0	0	0	603	761	736	719	439
28	151	0	0	0	0	0	0	602	762	736	719	418
29	54.7	0	0	0	0	0	215	601	762	721	711	399
30	0	0	0	0	0	0	399	602	762	700	707	370
31	0	0	0	0	0	0	0	604	701	700	700	

	Monthly Statistics												Yearly Stats
<b>Total</b>	6,239	0	0	0	0	0	614	17,529	19,473	22,931	21,843	17,111	<b>105,740</b>
<b>Mean</b>	201	0	0	0	0	0	21	565	649	740	705	570	<b>288</b>
<b>Min</b>	0	0	0	0	0	0	0	411	592	700	695	370	<b>0</b>
<b>Max</b>	316	0	0	0	0	0	399	604	762	767	719	707	<b>767</b>
<b>Ins. Min</b>	0	0	0	0	0	0	0	363	582	697	690	366	<b>0</b>
<b>Ins. Max</b>	410	0	0	0	0	0	448	622	770	773	729	709	<b>773</b>
<b>Ac-ft</b>	12,370	0	0	0	0	0	1,220	34,770	38,620	45,480	43,320	33,940	<b>209,720</b>



# 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
1.3	0	0	0	0	0	0	0	0	0	0.78
1.4	1.8	2.82	3.85	4.88	5.9	6.93	7.97	9	10	11.1
1.5	12.1	13.2	14.2	15.2	16.3	17.3	18.4	19.5	20.5	21.6
1.6	22.6	23.7	24.7	25.8	26.9	28	29	30.1	31.2	32.2
1.7	33.3	34.4	35.5	36.6	37.7	38.8	39.8	40.9	42	43.1
1.8	44.2	45.3	46.4	47.5	48.6	49.8	50.9	52	53.1	54.2
1.9	55.3	56.5	57.6	58.7	59.8	61	62.1	63.2	64.4	65.5
2.0	66.6	67.8	68.9	70.1	71.2	72.3	73.5	74.7	75.8	77
2.1	78.1	79.3	80.4	81.6	82.8	83.9	85.1	86.3	87.5	88.6
2.2	89.8	91	92.2	93.4	94.5	95.7	96.9	98.1	99.3	100
2.3	102	103	104	105	107	108	109	110	111	113
2.4	114	115	116	117	119	120	121	122	124	125
2.5	126	127	129	130	131	132	134	135	136	137
2.6	139	140	141	142	144	145	146	147	149	150
2.7	151	152	154	155	156	158	159	160	161	163
2.8	164	165	167	168	169	171	172	173	175	176
2.9	177	178	180	181	182	184	185	186	188	189
3.0	190	192	193	194	196	197	198	200	201	203
3.1	204	205	207	208	209	211	212	213	215	216
3.2	218	219	220	222	223	224	226	227	229	230
3.3	231	233	234	236	237	238	240	241	243	244
3.4	245	247	248	250	251	253	254	255	257	258
3.5	260	261	263	264	265	267	268	270	271	273
3.6	274	276	277	278	280	281	283	284	286	287
3.7	289	290	292	293	295	296	298	299	301	302
3.8	304	305	307	308	310	311	313	314	316	317
3.9	319	320	322	323	325	326	328	329	331	332
4.0	334	335	337	338	340	342	343	345	346	348
4.1	349	351	352	354	356	357	359	360	362	363
4.2	365	366	368	370	371	373	374	376	378	379
4.3	381	382	384	386	387	389	390	392	394	395
4.4	397	398	400	402	403	405	406	408	410	411
4.5	413	415	416	418	420	421	423	424	426	428
4.6	429	431	433	434	436	438	439	441	443	444
4.7	446	448	449	451	453	454	456	458	459	461
4.8	463	464	466	468	470	471	473	475	476	478
4.9	480	482	483	485	487	488	490	492	494	495
5.0	497	499	500	502	504	506	507	509	511	513
5.1	514	516	518	520	521	523	525	527	528	530
5.2	532	534	536	537	539	541	543	544	546	548

<b>Gage Height</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>	<b>0.03</b>	<b>0.04</b>	<b>0.05</b>	<b>0.06</b>	<b>0.07</b>	<b>0.08</b>	<b>0.09</b>
5.3	550	552	553	555	557	559	561	562	564	566
5.4	568	570	571	573	575	577	579	580	582	584
5.5	586	588	590	591	593	595	597	599	601	602
5.6	604	606	608	610	612	614	615	617	619	621
5.7	623	625	627	629	630	632	634	636	638	640
5.8	642	644	645	647	649	651	653	655	657	659
5.9	661	663	664	666	668	670	672	674	676	678
6.0	680	682	684	686	688	689	691	693	695	697
6.1	699	701	703	705	707	709	711	713	715	717
6.2	719	721	723	725	727	729	731	733	735	737
6.3	738	740	742	744	746	748	750	752	754	756
6.4	758	760	762	764	766	768	771	773	775	777
6.5	779	781	783	785	787	789	791	793	795	797
6.6	799	801	803	805	807	809	811	813	815	817
6.7	819	822	824	826	828	830	832	834	836	838
6.8	840	842	844	846	849	851	853	855	857	859
6.9	861	863	865	867	870	872	874	876	878	880
7.0	882	884	887	889	891	893	895	897	899	901
7.1	904	906	908	910	912	914	917	919	921	923
7.2	925	927	929	932	934	936	938	940	943	945
7.3	947	949	951	953	956	958	960	962	964	967