

**HAMMOND (EAST SIDE)
CANAL NEAR COLLINSTON, UT
(10117000)**

STREAMFLOW RECORDS FOR WATER YEAR 2010

LOCATION.--Lat 41°49'51", long 112°03'24" referenced to North American Datum of 1927, in SE ¼ sec.27, T.13 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--October 2006 to current year published by PacifiCorp. June 1912 to September 2006 published by USGS. Prior to 1915, published as Hammond Ditch near Collingston. 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, 780 ft³/s, 565,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft³/s, Jun 29, 1963, May 2, 1977; no flow at times in each year.

DISCHARGE MEASUREMENT DATES.-- 9-30-09, 10-5-09, 4-28-10, 6-11-10, 7-1-10, 8-16-10, 9-27-10.

**Hammond (East Side) Canal near Collinston, UT (10117000)
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	53.6	0	0	0	0	0	0	115	153	162	168	151	
2	50.9	0	0	0	0	0	0	115	154	161	169	150	
3	50.7	0	0	0	0	0	0	118	153	161	168	150	
4	50.8	0	0	0	0	0	0	124	151	161	168	144	
5	34.4	0	0	0	0	0	0	127	156	161	168	139	
6	0	0	0	0	0	0	0	126	164	159	168	140	
7	0	0	0	0	0	0	0	125	164	157	168	140	
8	0	0	0	0	0	0	0	130	159	156	169	141	
9	0	0	0	0	0	0	0	139	161	156	169	141	
10	0	0	0	0	0	0	0	143	160	157	169	141	
11	0	0	0	0	0	0	0	151	160	158	169	141	
12	0	0	0	0	0	0	0	153	159	159	169	139	
13	0	0	0	0	0	0	0	153	159	160	169	133	
14	0	0	0	0	0	0	0	151	160	159	169	131	
15	0	0	0	0	0	0	0	150	160	160	169	130	
16	0	0	0	0	0	0	0	150	160	160	169	130	
17	0	0	0	0	0	0	0	150	161	161	169	130	
18	0	0	0	0	0	0	0	149	160	161	169	131	
19	0	0	0	0	0	0	0	149	158	160	170	131	
20	0	0	0	0	0	0	0	150	158	160	169	130	
21	0	0	0	0	0	0	0	150	157	160	170	130	
22	0	0	0	0	0	0	0	150	157	160	170	130	
23	0	0	0	0	0	0	0	150	160	160	171	130	
24	0	0	0	0	0	0	0	149	165	160	171	130	
25	0	0	0	0	0	0	0	150	167	159	172	130	
26	0	0	0	0	0	0	0	149	167	158	166	130	
27	0	0	0	0	0	0	78.2	149	167	159	153	126	
28	0	0	0	0	0	0	95.9	150	166	159	148	115	
29	0	0	0	0	0	0	102	151	165	162	154	115	
30	0	0	0	0	0	0	107	153	163	168	164	115	
31	0	0	0	0	0	0	0	153	168	168	157		
Monthly Statistics													Yearly Stats
Total	240	0	0	0	0	0	383	4,422	4,804	4,962	5,171	4,014	23,997
Mean	8	0	0	0	0	0	13	143	160	160	167	134	65
Min	0	0	0	0	0	0	0	115	151	156	148	115	0
Max	54	0	0	0	0	0	107	153	167	168	172	151	172
Ins. Min	0	0	0	0	0	0	0	114	149	155	136	110	0
Ins. Max	56	0	0	0	0	0	128	154	170	169	173	152	173
Ac-ft	477	0	0	0	0	0	760	8,770	9,530	9,840	10,260	7,960	47,597

PacifiCorp Energy

Hammond (East Side) Canal near Collinston, UT (10117000)

Rating Table

May 2002

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
1.4	0	0	0	0	0.29	0.67	1.06	1.45	1.83	2.22
1.5	2.62	3.01	3.4	3.8	4.19	4.59	4.99	5.39	5.8	6.2
1.6	6.61	7.01	7.42	7.83	8.24	8.66	9.07	9.49	9.9	10.3
1.7	10.7	11.2	11.6	12	12.4	12.9	13.3	13.7	14.2	14.6
1.8	15	15.5	15.9	16.3	16.8	17.2	17.7	18.1	18.6	19
1.9	19.5	19.9	20.4	20.8	21.3	21.7	22.2	22.6	23.1	23.6
2.0	24	24.5	25	25.4	25.9	26.4	26.8	27.3	27.8	28.3
2.1	28.7	29.2	29.7	30.2	30.7	31.2	31.6	32.1	32.6	33.1
2.2	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
2.3	38.6	39.1	39.6	40.1	40.7	41.2	41.7	42.2	42.7	43.2
2.4	43.8	44.3	44.8	45.3	45.9	46.4	46.9	47.5	48	48.5
2.5	49.1	49.6	50.1	50.7	51.2	51.8	52.3	52.9	53.4	54
2.6	54.5	55.1	55.6	56.2	56.7	57.3	57.8	58.4	59	59.5
2.7	60.1	60.7	61.2	61.8	62.4	62.9	63.5	64.1	64.7	65.2
2.8	65.8	66.4	67	67.6	68.2	68.7	69.3	69.9	70.5	71.1
2.9	71.7	72.3	72.9	73.5	74.1	74.7	75.3	75.9	76.5	77.1
3.0	77.7	78.3	78.9	79.6	80.2	80.8	81.4	82	82.6	83.3
3.1	83.9	84.5	85.1	85.8	86.4	87	87.7	88.3	88.9	89.6
3.2	90.2	90.8	91.5	92.1	92.8	93.4	94.1	94.7	95.4	96
3.3	96.7	97.3	98	98.6	99.3	99.9	101	101	102	103
3.4	103	104	105	105	106	107	107	108	109	109
3.5	110	111	111	112	113	113	114	115	116	116
3.6	117	118	118	119	120	120	121	122	123	123
3.7	124	125	125	126	127	128	128	129	130	130
3.8	131	132	133	133	134	135	136	136	137	138
3.9	138	139	140	141	141	142	143	144	144	145
4.0	146	147	147	148	149	150	150	151	152	153
4.1	154	154	155	156	157	157	158	159	160	161
4.2	161	162	163	164	164	165	166	167	168	168
4.3	169	170	171	172	172	173	174	175	176	176
4.4	177	178	179	180	181	181	182	183	184	185
4.5	185	186	187	188	189	190	190	191	192	193
4.6	194	195	196	196	197	198	199	200	201	201
4.7	202	203	204	205	206	207	207	208	209	210
4.8	211	212	213	214	214	215	216	217	218	219
4.9	220	221	221	222	223	224	225	226	227	228