



THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY

WAYNE D. CRIDDLE  
STATE ENGINEER

MEMORANDUM

To: Wayne D. Criddle, State Engineer  
From: Donald C. Norseth, Distribution Engineer  
Date: June 10, 1960  
Subject: Telephone Call Concerning Muddy Creek, in Emery County, Utah.

Attorney Frandsen from Price called and stated that he had filed with the District Court, a motion that the State Engineer or the Court appoint a Water Commissioner to regulate Muddy Creek for the remainder of 1960; the hearing to be held in the District Court on Tuesday, June 21, 1960.

The following information was given to Mr. Norseth, of this office by Mr. Frandsen:

1. He represents the independent canal and reservoir company. No further information was obtained on this company's right, with the exception that they own one-ninth ( 1/9 ) of the stock of the Emery Canal Company, who had a decreed right, in Civil Case No. 216, of 94 c.f.s.
2. That the independent canal and reservoir company has a Parshall flume in their ditch and the Emery Canal has a Cipoletti weir which was not in good condition and doesn't measure water. He further asked if someone from this office could inspect this weir and determine its condition.
3. That he had looked for a suitable man for water commissioner and thought that Mr. Ivor Truman, Water Master for Huntington Irrigation Company, would accept the job.

M U D D Y C R E E K  
12.5 ft cipolletti weir

Head		Flow	Head		Flow	Head		Flow	Head		Flow
Inches	Feet	C.F.S.	Inches	Feet	C.F.S.	Inches	Feet	C.F.S.	Inches	Feet	C.F.S.
1/8	.01	.0413	5 3/8	.45	12.70	10 5/8	.89	35.33	16 1/8	1.34	65.28
2/8	.02	.1188	5 1/2	.46	13.13	10 6/8	.90	35.93	16 2/8	1.35	66.01
3/8	.03	.2188	5 5/8	.47	13.56	10 7/8	.91	36.53	16 3/8	1.36	66.74
4/8	.04	.3363	5 6/8	.48	14.00	11 inch	.92	37.14	16 4/8	1.37	67.48
5/8	.05	.4704	5 7/8	.49	14.43	11 1/8	.93	37.74	16 4/8	1.38	68.22
6/8	.06	.6185	6 inch	.50	14.88	11 2/8	.94	38.35	16 5/8	1.39	68.97
7/8	.07	.7794	6 1/8	.51	15.33	11 3/8	.95	38.97	16 6/8	1.40	69.71
1 inch	.08	.9523	6 2/8	.52	15.78	11 4/8	.96	39.58	16 7/8	1.41	70.46
1 1/8	.09	1.14	6 3/8	.53	16.24	11 5/8	.97	40.20	17 inch	1.42	71.21
1 2/8	.10	1.33	6 4/8	.54	16.70	11 6/8	.98	40.83	17 1/8	1.43	71.96
1 3/8	.11	1.54	6 5/8	.55	17.17	11 7/8	.99	41.45	17 2/8	1.44	72.72
1 4/8	.12	1.75	6 6/8	.56	17.64	12 inch	1.00	42.08	17 3/8	1.45	73.48
1 4/8	.13	1.97	6 7/8	.57	18.11	12 1/8	1.01	42.72	17 4/8	1.46	74.24
1 5/8	.14	2.20	7 inch	.58	18.59	12 2/8	1.02	43.35	17 5/8	1.47	75.00
1 6/8	.15	2.44	7 1/8	.59	19.07	12 3/8	1.03	43.99	17 6/8	1.48	75.77
1 7/8	.16	2.69	7 2/8	.60	19.56	12 4/8	1.04	44.63	17 7/8	1.49	76.54
2 inch	.17	2.95	7 3/8	.61	20.05	12 5/8	1.05	45.28	18 inch	1.50	77.31
2 1/8	.18	3.21	7 4/8	.62	20.54	12 6/8	1.06	45.93	18 1/8	1.51	78.10
2 2/8	.19	3.49	7 5/8	.63	21.04	12 7/8	1.07	46.58	18 2/8	1.52	78.88
2 3/8	.20	3.76	7 6/8	.64	21.55	13 inch	1.08	47.23	18 3/8	1.53	79.66
2 4/8	.21	4.05	7 6/8	.65	22.05	13 1/8	1.09	47.89	18 4/8	1.54	80.49
2 5/8	.22	4.34	7 7/8	.66	22.56	13 2/8	1.10	48.55	18 5/8	1.55	81.23
2 6/8	.23	4.64	8 inch	.67	23.08	13 3/8	1.11	49.21	18 6/8	1.56	82.02
2 7/8	.24	4.95	8 1/8	.68	23.60	13 4/8	1.12	49.38	18 13/16	1.57	82.81
3 inch	.25	5.26	8 2/8	.69	24.12	13 4/8	1.13	50.58	15/16	1.58	83.60
3 1/8	.26	5.58	8 3/8	.70	24.65	13 5/8	1.14	51.22	19 1/16	1.59	84.39
3 2/8	.27	5.90	8 4/8	.71	25.18	13 6/8	1.15	51.90	3/16	1.60	85.18
3 3/8	.28	6.24	8 5/8	.72	25.71	13 7/8	1.16	52.58	5/16	1.61	85.99
3 4/8	.29	6.57	8 6/8	.73	26.25	14 inch	1.17	53.26	7/16	1.62	86.80
3 5/8	.30	6.92	8 7/8	.74	26.79	14 1/8	1.18	53.94	9/16	1.63	87.61
3 6/8	.31	7.26	9 inch	.75	27.33	14 2/8	1.19	54.63	11/16	1.64	88.42
3 7/8	.32	7.62	9 1/8	.76	27.88	14 3/8	1.20	55.32	13/16	1.65	89.23
4 inch	.33	7.98	9 2/8	.77	28.43	14 4/8	1.21	56.01	15/16	1.66	90.04
4 1/8	.34	8.34	9 3/8	.78	28.99	14 5/8	1.22	56.71	20 1/16	1.67	90.85
4 2/8	.35	8.71	9 4/8	.79	29.55	14 6/8	1.23	57.41	3/16	1.68	91.66
4 3/8	.36	9.09	9 5/8	.80	30.11	14 7/8	1.24	58.11	1/4	1.69	92.47
4 4/8	.37	9.47	9 6/8	.81	30.68	15 inch	1.25	58.81	3/8	1.70	93.28
4 4/8	.38	9.86	9 7/8	.82	31.25	15 1/8	1.26	59.52	1/2	1.71	94.12
4 5/8	.39	10.25	10 inch	.83	31.82	15 2/8	1.27	60.23	5/8	1.72	94.95
4 6/8	.40	10.65	10 1/8	.84	32.40	15 3/8	1.28	60.94	3/4	1.73	95.78
4 7/8	.41	11.05	10 2/8	.85	32.98	15 4/8	1.29	61.66	7/8	1.74	96.61
5 inch	.42	11.46	10 3/8	.86	33.56	15 5/8	1.30	62.38	21 inch	1.75	97.44
5 1/8	.43	11.87	10 4/8	.87	34.15	15 6/8	1.31	63.10	21 1/8	1.76	98.28
5 2/8	.44	12.28	10 4/8	.88	34.74	15 7/8	1.32	63.82	21 1/4	1.77	99.12
						16 inch	1.33	64.54			

This 12.5 foot weir measures the entire flow of Muddy Creek above the diversions near the mouth of the canyon at Moore, Utah.