C.R. 1931.

S U M M A R Y

N A T U R A L P R O V O R I V E R

U T A H V A L L E Y .

- 1 9 3 1 -

Month	Max	Min	Mean	Acre Feet
April	271	177	221	13246
May	391	172	218	13542
June	184	124	159	9282
July	132	105	116	7198
August	142	104	121	7486
Sept.	150	109	123	7362

Max	391			
Min		104		
Mean			159	
Total				58116

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C.R.1931.

N A T U R A L P R O V O R I V E R

U T A H V A L L E Y

- 1 9 3 1 -

Day	April	May	June	July	August	September
1	258	180	184	129	131	141
2	258	188	179	124	131	141
3	258	180	174	132	126	116
4	260	188	170	130	124	116
5	262	183	167	125	124	116
6	262	183	172	126	135	115
7	271	185	170	121	134	115
8	260	187	182	116	126	112
9	245	199	184	116	120	111
10	250	193	181	116	120	109
11	250	172	176	116	110	112
12	255	173	176	116	115	112
13	226	175	176	116	115	111
14	248	259	154	116	108	111
15	203	333	159	112	120	121
16	206	353	152	113	115	114
17	187	384	151	113	115	121
18	187	391	146	111	117	117
19	183	293	133	113	121	121
20	184	244	143	113	121	121
21	177	201	138	115	121	124
22	180	182	139	111	121	131
23	191	179	135	111	120	131
24	224	174	131	113	114	133
25	197	181	127	109	110	126
26	187	202	132	109	104	126
27	197	223	132	105	111	129
28	193	204	127	108	114	150
29	180	199	127	108	127	148
30	184	194	124	115	131	130
31	---	189	---	121	142	---
Totals	6623	6771	4641	3599	3743	3681
Max	271	391	184	132	142	150
Min	177	172	124	105	104	109
Mean	221	218	159	116	121	123
AC.FT.	13246	13542	9282	7198	7486	7362

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NATURAL PROVO RIVER

UTAH VALLEY

1931

APRIL

Day	Vivian River	Park Fork	Inflow	Natural River
1	205	23	30	258
2	205	23	30	258
3	205	23	30	258
4	210	20	30	260
5	210	22	30	262
6	210	22	30	262
7	221	20	30	271
8	210	20	30	260
9	195	20	30	245
10	200	20	30	250
11	200	20	30	250
12	205	20	30	255
13	176	20	30	226
14	195	20	33	248
15	150	20	33	203
16	154	19	33	206
17	134	19	34	187
18	134	19	34	187
19	130	19	34	183
20	130	20	34	184
21	122	20	35	177
22	126	20	34	180
23	138	20	33	191
24	172	20	32	224
25	146	20	31	197
26	138	20	29	187
27	150	20	27	197
28	146	20	27	193
29	134	20	26	180
30	138	20	26	184
Totals .	5089	609	925	6623
Max				271
Min				177
Mean				221

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C.R.1931.

NATURAL PROVO RIVER

UTAH VALLEY

1931

MAY

Day	Vivian River	Park Fork	Inflow	Total Ut.Val.	Tunnel& Web.Riv.	Natural River Ut.Val.
1	138	20	25	183	3	180
2	146	20	25	191	3	188
3	138	20	25	183	3	180
4	146	20	25	191	3	188
5	142	20	24	186	3	183
6	142	20	24	186	3	183
7	146	20	22	188	3	185
8	150	20	20	190	3	187
9	163	19	20	202	3	199
10	159	17	20	196	3	193
11	138	17	20	175	3	172
12	138	18	20	176	3	173
13	138	20	20	178	3	175
14	218	22	22	262	3	259
15	290	22	24	336	3	333
16	308	22	26	356	3	353
17	337	22	28	387	3	384
18	364	19	30	413	22	391
19	297	20	30	347	54	293
20	238	20	29	287	43	244
21	195	20	29	244	43	201
22	174	19	28	221	39	182
23	167	20	28	215	36	179
24	163	20	27	210	36	174
25	172	20	25	217	36	181
26	195	20	23	238	36	202
27	185	20	21	226	3	223
28	167	20	20	207	3	204
29	163	20	19	202	3	199
30	159	20	18	197	3	194
31	155	20	17	192	3	189
Totals	5831	617	734	7182	411	6771
Max				413		391
Min				175		172
Mean				232		218

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NATURAL PROVO RIVER

UTAH VALLEY

1931

JUNE

Day	Vivian River	Park Fork	Inflow	Total Ut.Val.	Storage Tunnel& Web.Riv.	Natural River Ut.Val.
1	150	20	17	187	3	184
2	145	20	17	182	3	179
3	140	20	17	177	3	174
4	146	19	18	183	13	170
5	146	18	19	183	16	167
6	151	18	19	188	16	172
7	146	18	19	183	13	170
8	157	18	20	195	13	182
9	160	17	20	197	13	184
10	157	17	20	194	13	181
11	151	18	20	189	13	176
12	151	18	20	189	13	176
13	151	18	20	189	13	176
14	129	18	20	167	13	154
15	135	18	19	172	13	159
16	129	18	18	165	13	152
17	129	18	17	164	13	151
18	124	18	17	159	13	146
19	115	18	18	151	18	133
20	124	18	19	161	18	143
21	119	18	19	156	18	138
22	119	18	20	157	18	139
23	115	17	21	153	18	135
24	110	17	22	149	18	131
25	105	17	23	145	18	127
26	110	18	22	150	18	132
27	110	18	22	150	18	132
28	105	18	22	145	18	127
29	105	18	22	145	18	127
30	105	18	22	145	21	124
Totals	3939	542	589	5070	429	4641
Max				195	. . . .	184
Min				145	. . . .	124
Mean				169	. . . .	159

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NATURAL PROVO RIVER

UTAH VALLEY

1931

JULY

Day	Vivian River	Park Fork	Inflow	Total Ut.Val.	Stor.& Tunnel	Natural River Ut.Val.
1	110	18	22	150	21	129
2	105	18	22	145	21	124
3	103	19	23	145	13	132
4	101	19	23	143	13	130
5	97	18	23	138	13	125
6	97	18	24	139	13	126
7	93	17	24	134	13	121
8	89	17	23	129	13	116
9	89	17	23	129	13	116
10	89	17	23	129	13	116
11	89	17	23	129	13	116
12	89	18	22	129	13	116
13	89	18	22	129	13	116
14	89	18	22	129	13	116
15	85	18	22	125	13	112
16	85	19	22	126	13	113
17	85	19	22	126	13	113
18	83	19	22	124	13	111
19	82	22	22	126	13	113
20	82	22	22	126	13	113
21	82	23	21	126	11	115
22	78	23	21	122	11	111
23	78	23	21	122	11	111
24	85	19	20	124	11	113
25	82	18	20	120	11	109
26	82	18	20	120	11	109
27	78	18	20	116	11	105
28	82	17	20	119	11	108
29	82	17	20	119	11	108
30	89	17	20	126	11	115
31	95	17	20	132	11	121
Totals	2744	578	674	3996	397	3599
Max				150		132
Min				116		105
Mean				129		116

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C.R.1931.

NATURAL PROVO RIVER

UTAH VALLEY

1931

AUGUST

Day	Vivian River	Park Fork	Inflow	Total Ut.Val.	Stor.& Tunnel	Natural River Ut.Val.
1	100	16	26	142	11	131
2	100	16	26	142	11	131
3	95	16	26	137	11	126
4	93	16	26	135	11	124
5	93	16	26	135	11	124
6	93	16	37*	146	11	135
7	93	16	36*	145	11	134
8	93	16	28	137	11	126
9	89	16	26	131	11	120
10	89	16	26	131	11	120
11	78	17	26	121	11	110
12	82	18	26	126	11	115
13	82	18	26	126	11	115
14	75	17	27	119	11	108
15	82	20	29	131	11	120
16	78	18	30	126	11	115
17	78	18	30	126	11	115
18	82	18	28	128	11	117
19	85	19	28	132	11	121
20	85	19	28	132	11	121
21	85	19	28	132	11	121
22	85	19	28	132	11	121
23	85	18	28	131	11	120
24	78	18	29	125	11	114
25	68	18	35	121	11	110
26	62	18	35	115	11	104
27	62	18	37	117	6	111
28	65	19	36	120	6	114
29	78	20	35	133	6	127
30	78	20	34	132	1	131
31	89**	20	34	143	1	142
Totals	2580	549	920	4049	306	3743
Max				146		142
Min				115		104
Mean				131		121

* Release of some water impounded above mudslide.
** Local Showers.

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C.R.1931.

NATURAL PROVO RIVER

UTAH VALLEY

1931

SEPTEMBER

Day	Vivian River	Park Fork	Inflow	Total Ut.Val.	Stor.& Tunnel	Natural River Ut.Val.
1	89*	19	34	142	1	141
2	89*	19	34	142	1	141
3	65	18	34	117	1	116
4	65	18	34	117	1	116
5	65	18	34	117	1	116
6	65	18	33	116	1	115
7	65	18	33	116	1	115
8	62	18	33	113	1	112
9	62	18	32	112	1	111
10	62	18	30	110	1	109
11	65	18	30	113	1	112
12	65	18	30	113	1	112
13	65	17	30	112	1	111
14	65	17	30	112	1	111
15	75	17	30	122	1	121
16	68	17	30	115	1	114
17	75	17	30	122	1	121
18	71	17	30	118	1	117
19	75	17	30	122	1	121
20	75	17	30	122	1	121
21	78	17	30	125	1	124
22	85	17	30	132	1	131
23	85	17	30	132	1	131
24	89	17	28	134	1	133
25	82	17	28	127	1	126
26	82	17	28	127	1	126
27	85	17	28	130	1	129
28	105	18	28	151	1	150
29	103	18	28	149	1	148
30	85	18	28	131	1	130
Totals	2267	527	917	3711	30	3681
Max				151		150
Min				110		109
Mean				124		123

*Local Showers.

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C.R.1931.

STORAGE, TUNNEL AND WEBER RIVER WATERS TO PROVO DIVISION.

1 9 3 1 .

	MAY			JUNE				JULY			AUGUST		
Day	Tun.	W.R.	Tot.	Stor	Tun	W.R.	Tot	Stor	Tun	Tot	Stor	Tun	Tot
1	3		3		3		3	18	3	21	10	1	11
2	"		"		3		3	18	3	21	10	1	11
3	"		"		3		3	10	3	13	10	1	11
4	"		"		3	10	13	10	3	13	10	1	11
5	"	"	"		3	13	16	10	3	13	10	1	11
6	3		3		3	13	16	10	3	13	10	1	11
7	"		"	10	3		13	10	3	13	10	1	11
8	"		"	10	3	13	13	10	3	13	10	1	11
9	"		"	10	3		13	10	3	13	10	1	11
10	"		"	10	3		13	10	3	13	10	1	11
11	3		3	10	3		13	10	3	13	10	1	11
12	"		"	10	3		13	10	3	13	10	1	11
13	"		"	10	3		13	10	3	13	10	1	11
14	"		"	10	3		13	10	3	13	10	1	11
15	"		"	10	3		13	10	3	13	10	1	11
16	3		3	10	3		13	10	3	13	10	1	11
17	"		"	10	3		13	10	3	13	10	1	11
18	3	19	22	10	3		13	10	3	13	10	1	11
19	3	51	54	15	3		18	10	3	13	10	1	11
20	3	40	43	15	3		18	10	3	13	10	1	11
21	3	40	43	15	3		18	10	1	11	10	1	11
22	3	36	39	15	3		18	10	1	11	10	1	11
23	3	33	36	15	3		18	10	1	11	10	1	11
24	3	33	36	15	3		18	10	1	11	10	1	11
25	3	33	36	15	3		18	10	1	11	10	1	11
26	3	33	36	15	3		18	10	1	11	10	1	11
27	3		3	15	3		18	10	1	11	5	1	6
28	3		3	15	3		18	10	1	11	5	1	6
29	3		3	15	3		18	10	1	11	5	1	6
30	3		3	18	3		21	10	1	11		1	1
31	3		3	-	-		-	10	1	11		1	1

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C.R.1931.

I N F L O W C U R V E

- 1 9 3 1 -

Day	April	May	June	July	August	September
1	30	25	17	22	26	34
2	30	25	17	22	26	34
3	30	25	17	23	26	34
4	30	25	18	23	26	34
5	30	24	19	23	26	34
6	30	24	19	24	37	33
7	30	22	19	24	36	33
8	30	20	20	23	28	33
9	30	20	20	23	26	32
10	30	20	20	23	26	30
11	30	20	20	23	26	30
12	30	20	20	22	26	30
13	30	20	20	22	26	30
14	33	22	20	22	27	30
15	33	24	19	22	29	30
16	33	26	18	22	30	30
17	34	28	17	22	30	30
18	34	30	17	22	28	30
19	34	30	18	22	28	30
20	34	29	19	22	28	30
21	35	29	19	21	28	30
22	34	28	20	21	28	30
23	33	28	21	21	28	30
24	32	27	22	20	29	28
25	31	25	23	20	35	28
26	29	23	22	20	35	28
27	27	21	22	20	37	28
28	27	20	22	20	36	28
29	26	19	22	20	35	28
30	26	18	22	20	34	28
31	--	17	--	20	34	--

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C.R.1931.

I N F L O W C U R V E

- 1 9 3 1 -

Day	April	May	June	July	August	September
1	30	25	17	22	26	34
2	30	25	17	22	26	34
3	30	25	17	23	26	34
4	30	25	18	23	26	34
5	30	24	19	23	26	34
6	30	24	19	24	37	33
7	30	22	19	24	36	33
8	30	20	20	23	28	33
9	30	20	20	23	26	32
10	30	20	20	23	26	30
11	30	20	20	23	26	30
12	30	20	20	22	26	30
13	30	20	20	22	26	30
14	33	22	20	22	27	30
15	33	24	19	22	29	30
16	33	26	18	22	30	30
17	34	28	17	22	30	30
18	34	30	17	22	28	30
19	34	30	18	22	28	30
20	34	29	19	22	28	30
21	35	29	19	21	28	30
22	34	28	20	21	28	30
23	33	28	21	21	28	30
24	32	27	22	20	29	28
25	31	25	23	20	35	28
26	29	23	22	20	35	28
27	27	21	22	20	37	28
28	27	20	22	20	36	28
29	26	19	22	20	35	28
30	26	18	22	20	34	28
31	--	17	--	20	34	--

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C.R.1931.

PROVO RIVER UTAH VALLEY

"TOTAL" MEASUREMENTS.

Date	Main Canals	West Side	Spring Water in Wks.	BV Falls Lost Cr. to Wks.	Total Cfs.
April					
4-14	226.70	14.80*	7	...	248.50
4-16*	175.14	14.80*	7	...	196.94**
4-17	165.51	14.80	7	...	187.31
4-18*	149.17	15.*	"	...	171.17**
4-21	155.01	15.*	"	...	177.01
4-27	175.46	15.*	"	...	197.46
4-28	165.68	15.61	"	...	188.29
May					
5-1	161.32	15.*	7	...	183.32
5-4	177.72	15.*	"	...	199.72**
5-5	167.79	10.*	"	...	185.79
5-6	169.74	10.*	"	...	186.74
5-8	170.68	10.*	"	...	187.68
5-12	158.63	9.40	"	...	175.03
5-22	221.74	11.85	"	1.48	242.07**
5-24	190.26	11.58	"	1.48	210.32
5-28	185.64	13.07	"	1.63	207.27
June					
6-1	154.87	14.*	7	1.48	177.35**
6-3	153.96	14.07	"	1.48	176.51
6-5	164.59	13.*	"	1.48	186.07
6-7	162.04	12.*	"	1.86	182.90
6-11	161.78	11.69	"	1.86	182.33
6-14	148.02	11.*	"	1.86	167.88
6-17	143.84	11.*	"	1.86	163.70
6-20	141.84	10.55	"	1.61	161.00
6-23	140.71	10.74	"	1.61	160.06
6-25	122.97	11.*	"	3.58	144.55
6-27	126.94	11.54	"	3.08	148.56
6-28	128.28	10.58	"	3.18	149.04
6-30	126.45	8.59	"	3.18	145.22
July					
7-4	120.46	8.7*	7	2.98	139.14
7-6	120.71	8.8*	"	2.98	139.49
7-7	114.88	8.84	"	2.98	133.70
7-8	111.25	8.*	"	2.98	129.23
7-9	109.20	7.46	"	2.98	126.64
7-11	112.13	10.59	"	00	129.72
7-13	112.05	9.96	"	00	129.01
7-15	109.61	9.5*	"	3.01	129.12
7-17	107.41	9.*	"	3.01	126.42
7-19	108.33	8.52	"	3.01	126.86
7-21	105.76	7.69	"	3.01	123.46
7-22	102.96	9.45	"	3.01	122.42
7-24	104.78	9.*	"	3.01	123.79
7-27	100.43	8.30	"	3.01	118.74
7-28	99.27	7.79	"	3.01	117.07
7-29	100.95	8.	"	3.01	118.96

(Continued on following page.)

PROVO RIVER UTAH VALLEY

"TOTAL MEASUREMENTS"

Date	Main Canals	West Side	Spring Water in Wks.	BV Falls Lost Cr. to Wks.	Total Cfs.
August					
8-4	119.79	8.*	7	00	134.79
8-6	130.49	8.5*	"	00	145.99
8-7	128.61	9.*	"	00	144.61
8-8	121.10	9.20	"	00	137.30
8-9	115.75	8.*	"	00	130.75
8-10	116.17	7.78	"	00	130.95
8-12	107.84	8.*	"	3.04	125.88
8-13	105.16	8.5*	"	3.04	123.70
8-17	109.11	9.	"	3.04	128.15
8-18	109.81	8.	"	3.04	127.85
8-20	112.81	8.	"	00	127.81
8-24	109.92	8.36	"	00	125.28
8-26	103.22	8*	"	3.01	121.23
8-27	98.84	8*	"	3.01	116.85
8-28	100.08	8*	"	3.01	118.09
8-29	103.84	7.79	"	3.01	121.64
September					
9-1	113.09	9.42	7	00	129.51
9-2	103.38	9*	"	00	119.38
9-3	104.36	9*	"	00	120.36
9-4	103.00	7.19	"	00	117.19
9-8	96.46	6.33	"	3.01	112.80
9-9	91.09	5.93	"	3.01	107.03
9-11	100.05	6*	"	3.01	116.06
9-13	99.39	6*	"	00	112.39
9-15	102.81	6.74	"	00	116.55
9-16	103.97	7*	"	00	117.97
9-18	104.42	7*	"	00	118.42
9-20	111.19	7.40	"	00	125.59
9-22	114.64	8*	"	00	129.64
9-24	112.66	8*	"	00	127.66
9-30	114.03	9.39	"	00	130.42

* Interpolated.
** Not on Curve with Vivian Park.

Main Canals include Provo Bench, Provo Reservoir Canal, Timpanogus, U.E.Union, City Creek, Dry Creek, and Provo City Union, Factory, City, and Tanner Races, and West Union Canal.

West Side includes Lake Bottom Canal, Fort Field, and Spring Creek ditches.

Spring Water in Waterworks is mean, -- 6.5 cfs to Provo City and 0.5 Orem Town.

Bridal Veils Falls and Lost Creek to waterworks is the quamtity diverted into the waterworks system of Provo City.

Time of day and weather conditions should be noted in comparison with river curve at Vivian Park.

C.R.1931.

SUMMARY OF PRECIPITATION

SALT LAKE CITY. Utah.

Year Ending Sep.30	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.	Total.
1857					0.85	0.97	0.19	0.83	1.00	0.64	0.85	0.58	
1858	1.00											0.15	
1859	3.28			0.65	3.88	3.33	1.43	1.85	0.11		0.13	1.58	
1860	0.22	3.85	0.70										
61				1.40	2.13	2.49	1.47	1.10		1.57	1.47	3.01	
62		1.76	2.13										
63					2.74				0.30				
64				3.28	0.86	2.94	1.37	1.96	1.50	0.00	1.25	0.73	
1865	3.75	1.19	5.04	1.22	3.72	2.38	0.54	0.26	0.70	1.75	0.62	1.52	22.69
66	3.15	0.42	6.39	1.83	1.60	2.72	3.34	2.05	5.34	8.73	1.98	2.05	38.60
67	1.80	2.20	4.56		1.75				1.47	2.61	9.43	1.07	
68	1.41		3.65	2.64				2.43	4.00		3.69		
1872	0.55	0.83	1.90	1.30	1.34	1.20	2.04	2.50	3.90	0.00	1.56	0.54	17.66
73	1.01	0.90	1.90	3.65	5.60	1.60	1.25	10.05	0.85	0.60	4.75	1.00	33.16
74	1.60	1.00	1.00	1.28	1.03	1.31	0.90	2.84	0.74	2.42	1.63	0.20	15.95
75	1.74	2.16	0.73	3.05	0.79	2.81	1.50	2.94	0.90	1.01	0.25	1.22	19.10
76	1.36	5.81	2.03	1.23	1.52	4.00	2.09	4.30	0.09	0.83	0.92	0.42	24.60
77	3.27	0.81	1.80	0.87	0.38	2.93	2.14	3.49	0.80	0.02	0.28	0.90	17.69
78	2.41	1.02	1.11	1.07	3.49	2.54	2.63	2.50	0.35	1.08	0.81	3.15	22.16
79	1.39	0.63	0.11	1.87	0.71	0.67	3.26	0.10	1.34	0.07	0.06	0.01	10.22
1880	1.62	0.32	3.08	0.29	1.02	0.43	2.37	1.85	0.01	0.20	0.74	0.56	12.49
81	0.40	1.17	1.90	1.24	2.44	0.88	2.37	2.55	0.28	0.21	1.61	0.43	15.48
82	2.19	1.44	1.24	1.50	0.42	1.12	3.81	0.26	2.24	0.30	1.61	0.37	16.50
83	2.89	0.54	0.92	1.47	0.72	1.75	2.92	0.98	0.33	0.10	0.62	0.13	13.37
84	2.24	1.78	1.20	0.71	2.23	3.69	2.89	1.78	0.33	0.27	0.73	1.91	19.76
85	0.36	0.50	2.12	1.48	1.56	0.64	3.47	2.49	2.67	0.58	0.90	1.29	18.06
86	0.59	3.10	0.92	1.91	1.36	2.60	4.43	0.06	1.02	T	0.59	1.88	18.46
87	1.98	1.79	1.27	2.36	1.41	0.35	1.87	0.73	0.37	1.23	0.69	0.55	14.60
88	0.30	0.25	1.55	1.52	1.22	2.18	0.99	0.34	0.98	0.24	0.63	0.51	10.71
89	0.80	2.00	2.21	0.73	0.81	1.64	1.52	2.97	0.01	0.08	0.92	0.52	14.21
1890	3.85	1.04	4.37	3.07	2.05	1.12	0.94	0.16	0.32	0.02	0.79	T	17.73
91	1.44	T	0.42	0.74	0.76	4.66	1.49	0.72	1.08	0.47	0.46	1.19	13.43
92	1.26	0.90	2.19	1.61	0.68	2.21	1.90	1.65	1.21	T	0.05	0.12	13.78
93	1.58	0.72	2.35	0.82	1.64	2.68	2.72	1.68	0.04	1.19	0.71	1.30	17.43
94	1.02	1.18	2.37	1.31	0.83	1.73	1.67	1.22	1.38	0.82	0.87	2.87	17.27
95	1.01	0.28	1.28	1.32	0.85	0.81	0.73	2.29	0.99	0.42	0.02	0.95	10.95
96	0.24	2.44	0.89	1.26	0.69	1.99	2.53	3.67	0.25	1.35	1.47	0.52	17.30
97	0.70	3.15	0.84	1.16	3.81	2.20	2.00	0.98	0.52	0.69	0.33	0.48	16.86
98	1.91	1.19	1.47	0.58	0.38	1.71	1.30	4.19	1.45	0.18	1.35	0.15	15.86
99	1.57	1.95	1.28	0.84	2.98	2.93	0.81	2.59	0.96	0.42	1.06	T	17.39

Note: Underscore observations at Fort Douglas.
March 1874 to present observations by U.S.Weather Bureau.

(Continued on following page.)

SUMMARY OF PRECIPITATION

SALT LAKE CITY. Utah.

Year Ending Sep.30	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.	Total.
1857					0.85	0.97	0.19	0.83	1.00	0.64	0.85	0.58	
1858	1.00											0.15	
1859	3.28			0.65	3.88	3.33	1.43	1.85	0.11		0.13	1.58	
1860	0.22	3.85	0.70										
61				1.40	2.13	2.49	1.47	1.10		1.57	1.47	3.01	
62		1.76	2.13										
63					2.74				0.30				
64				3.28	0.86	2.94	1.37	1.96	1.50	0.00	1.25	0.73	
1865	3.75	1.19	5.04	1.22	3.72	2.38	0.54	0.26	0.70	1.75	0.62	1.52	22.69
66	3.15	0.42	6.39	1.83	1.60	2.72	3.34	2.05	5.34	8.73	1.98	2.05	38.60
67	1.80	2.20	4.56		1.75				1.47	2.61	9.43	1.07	
68	1.41		3.65	2.64				2.43	4.00		3.69		
1872	0.55	0.83	1.90	1.30	1.34	1.20	2.04	2.50	3.90	0.00	1.56	0.54	17.66
73	1.01	0.90	1.90	3.65	5.60	1.60	1.25	10.05	0.85	0.60	4.75	1.00	33.16
74	1.60	1.00	1.00	1.28	1.03	1.31	0.90	2.84	0.74	2.42	1.63	0.20	15.95
75	1.74	2.16	0.73	3.05	0.79	2.81	1.50	2.94	0.90	1.01	0.25	1.22	19.10
76	1.36	5.81	2.03	1.23	1.52	4.00	2.09	4.30	0.09	0.83	0.92	0.42	24.60
77	3.27	0.81	1.80	0.87	0.38	2.93	2.14	3.49	0.80	0.02	0.28	0.90	17.69
78	2.41	1.02	1.11	1.07	3.49	2.54	2.63	2.50	0.35	1.08	0.81	3.15	22.16
79	1.39	0.63	0.11	1.87	0.71	0.67	3.26	0.10	1.34	0.07	0.06	0.01	10.22
1880	1.62	0.32	3.08	0.29	1.02	0.43	2.37	1.85	0.01	0.20	0.74	0.56	12.49
81	0.40	1.17	1.90	1.24	2.44	0.88	2.37	2.55	0.28	0.21	1.61	0.43	15.48
82	2.19	1.44	1.24	1.50	0.42	1.12	3.81	0.26	2.24	0.30	1.61	0.37	16.50
83	2.89	0.54	0.92	1.47	0.72	1.75	2.92	0.98	0.33	0.10	0.62	0.13	13.37
84	2.24	1.78	1.20	0.71	2.23	3.69	2.89	1.78	0.33	0.27	0.73	1.91	19.76
85	0.36	0.50	2.12	1.48	1.56	0.64	3.47	2.49	2.67	0.58	0.90	1.29	18.06
86	0.59	3.10	0.92	1.91	1.36	2.60	4.43	0.06	1.02	T	0.59	1.88	18.46
87	1.98	1.79	1.27	2.36	1.41	0.35	1.87	0.73	0.37	1.23	0.69	0.55	14.60
88	0.30	0.25	1.55	1.52	1.22	2.18	0.99	0.34	0.98	0.24	0.63	0.51	10.71
89	0.80	2.00	2.21	0.73	0.81	1.64	1.52	2.97	0.01	0.08	0.92	0.52	14.21
1890	3.85	1.04	4.37	3.07	2.05	1.12	0.94	0.16	0.32	0.02	0.79	T	17.73
91	1.44	T	0.42	0.74	0.76	4.66	1.49	0.72	1.08	0.47	0.46	1.19	13.43
92	1.26	0.90	2.19	1.61	0.68	2.21	1.90	1.65	1.21	T	0.05	0.12	13.78
93	1.58	0.72	2.35	0.82	1.64	2.68	2.72	1.68	0.04	1.19	0.71	1.30	17.43
94	1.02	1.18	2.37	1.31	0.83	1.73	1.67	1.22	1.38	0.82	0.87	2.87	17.27
95	1.01	0.28	1.28	1.32	0.85	0.81	0.73	2.29	0.99	0.42	0.02	0.95	10.95
96	0.24	2.44	0.89	1.26	0.69	1.99	2.53	3.67	0.25	1.35	1.47	0.52	17.30
97	0.70	3.15	0.84	1.16	3.81	2.20	2.00	0.98	0.52	0.69	0.33	0.48	16.86
98	1.91	1.19	1.47	0.58	0.38	1.71	1.30	4.19	1.45	0.18	1.35	0.15	15.86
99	1.57	1.95	1.28	0.84	2.98	2.93	0.81	2.59	0.96	0.42	1.06	T	17.39

Note: Underscore observations at Fort Douglas.
March 1874 to present observations by U.S.Weather Bureau.

(Continued on following page.)

C.R.1931.

SUMMARY OF PRECIPITATION

SALT LAKE CITY. UTAH.

(2)

Year Ending Sep.30	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.	Total.
1900	2.85	1.52	0.61	0.44	1.30	0.33	2.91	0.44	0.08	0.32	0.72	1.44	12.96
01	1.99	1.40	0.16	0.95	1.77	2.48	0.87	4.27	0.49	o.31	1.22	0.66	16.57
02	0.98	0.92	1.16	0.80	1.17	1.22	3.69	0.33	0.37	0.56	0.15	0.05	11.40
03	0.52	1.24	1.31	2.11	0.82	1.35	1.11	3.55	0.74	0.14	0.43	0.84	14.16
04	0.81	2.21	0.51	1.45	2.25	3.99	2.20	3.08	0.27	0.59	0.28	0.12	17.76
05	1.18	0.00	0.90	0.65	1.22	2.62	1.70	2.74	0.23	0.62	0.58	2.07	14.51
06	0.24	0.73	0.83	1.19	1.96	2.84	3.08	3.17	1.49	0.23	2.28	1.49	19.53
07	0.39	2.10	1.06	1.75	3.45	2.35	1.46	2.87	1.49	0.19	1.69	0.10	18.90
08	1.16	0.50	2.21	0.63	1.24	1.79	0.80	5.76	1.81	0.25	1.39	2.72	20.26
09	2.07	1.91	0.48	2.70	1.89	2.85	1.60	2.34	0.17	0.75	1.74	1.55	20.05
1910	1.13	1.46	1.50	0.99	1.00	1.58	0.66	0.47	0.17	0.52	0.33	0.74	10.55
11	2.64	0.99	1.16	1.24	1.94	2.04	1.65	1.84	0.45	0.02	0.05	1.63	15.65
12	1.65	1.48	1.14	0.74	1.33	3.48	2.34	1.75	0.90	1.51	0.70	0.97	17.99
13	2.97	1.70	0.80	0.81	1.67	2.50	1.95	0.57	3.37	0.55	0.47	0.93	18.29
14	1.31	1.21	1.35	3.08	0.98	1.24	2.84	0.89	2.68	1.20	0.24	0.17	17.19
15	2.61	0.37	0.39	0.72	2.00	1.48	1.38	1.97	1.44	0.07	T	1.60	14.53
16	0.01	1.61	1.71	1.96	1.18	3.03	0.88	0.61	0.66	0.63	0.60	0.50	13.38
17	2.45	0.92	2.64	0.91	1.22	2.61	1.49	3.48	0.19	0.68	0.71	1.16	18.46
18	0.03	1.31	0.38	3.89	1.41	1.81	0.59	1.32	0.20	0.76	0.61	2.10	14.41
19	1.13	1.77	0.52	T	2.11	0.54	2.50	1.24	T	0.06	0.50	1.76	12.13
1920	2.52	0.81	1.38	1.24	1.14	3.81	3.16	1.83	0.15	0.51	1.31	1.56	19.42
21	3.57	1.90	1.38	1.44	1.06	1.03	2.65	1.95	0.08	0.36	0.82	0.44	16.68
22	1.29	1.04	2.29	1.42	2.36	2.44	3.06	2.16	0.83	0.65	1.85	0.01	19.40
23	0.66	3.33	2.92	1.90	0.35	1.67	3.56	1.91	1.39	0.21	2.41	1.41	21.72
24	2.18	1.05	0.92	0.49	0.78	2.21	0.91	1.15	0.56	0.45	0.30	0.25	11.25
25	1.87	1.54	3.35	0.60	1.72	1.71	1.42	2.47	1.39	2.13	1.83	0.94	20.97
26	0.73	1.40	0.83	1.21	2.45	0.60	1.61	2.10	0.21	1.21	1.22	0.97	14.54
27	0.71	1.85	1.47	1.46	1.49	2.97	1.11	3.78	0.89	0.22	0.87	2.08	18.90
28	1.19	2.69	1.94	0.81	0.28	2.78	1.55	1.33	0.41	0.38	0.17	0.16	13.69
29	1.83	1.86	0.54	1.53	1.34	1.96	3.97	0.18	0.70	0.40	0.41	2.45	17.17
1930	0.98	0.12	0.43	1.38	2.15	0.74	1.48	1.52	0.32	0.84	1.87	2.40	14.23
31	1.42	1.07	0.54	0.72	0.61	1.14	1.84	0.58	0.33	0.61	1.07	0.56	10.49

m 16.49

SUMMARY OF PRECIPITATION

SALT LAKE CITY, UTAH.

HEBER CITY, UTAH.

COMPARISONS.

(3)

Salt Lake City:-

	First Period 1872-1901 30 Years.	Second Period 1902-1931 30 Years.	Whole Period 1872-1931 60 Years.
Maximum	33.16	21.72	33.16
Minimum	12.49	10.49	10.49
Mean	16.72	16.25	16.49
Number of Years:-			
Over Mean	15	16	31
Under Mean	15	14	29
Over 20"	3	4	7
20" To Mean	12	12	26
Mean to 13"	10	9	17
Under 13	5	5	10

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Heber City:-

	First Period 1894-1912 19 Years	Second Period. 1913-1931 19 Years.	Whole Period 1894-1931. 38 Years.
Maximum	24.81	23.46	24.81
Minimum	11.43	7.79	7.79
Mean	17.34	16.27	16.80
Number Of Years:-			
Over Mean	9	13	17
Under Mean	10	6	21
Over 20"	4	1	5
20" To Mean	5	12	16
Mean to 13"	8	3	12
Under 13"	2	3	5

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COMPARISONS

(Concluded)

(4)

Precipitation Record at Salt Lake City, shows no material change, substantially the same over the period, continually recurring in cycles of about seven years. Of the sixty years, forty-three were within three and one-half inches of the mean; seven above twenty inches and seven below twelve inches.

TABULATION OF CYCLES.

Years	Cycle	Total Prec.	Minimum Prec.	Mean Annual.	Departure. From Mean.	Departure of Minimum From Mean.
31-25	7	109.99	10.49	15.71	-.22	-.40
24-18	7	115.01	11.25	16.43	+.50	+.36
17*11	7	115.49	**	16.50	+.57	*
10-03	8	135.72	10.55	16.96	+1.03	-.34
02-96	7	108.34	11.40	15.49	-.44	+.51
95-89	7	104.80	10.95	14.97	-.96	+.06
88-80	9	139.43	10.71	15.49	-.44	-.18
Mean			10.89	15.93		

* The year 1917 an exception.

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The low years occur singly, except the years 1879 and 1880. The probility of 1932 being a low year is 1 to 50; of being near the mean is 7 to 1. The next low year appears to be 1938.

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COMPARISONS

(4A)

MONTHLY MEAN AND ANNUAL.

Division by Cycles.

SALT LAKE CITY, UTAH.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.
1872-1902 31 years. Mean	1.52	1.38	1.50	1.37	1.51	1.88	2.13	2.16	0.85	0.51	0.92	0.82
Annual 16.55												
1903-1931 29 years . . Mean	1.42	1.38	1.27	1.35	1.50	2.11	1.90	2.02	0.81	0.58	0.92	1.16
Annual 16.42												
1872-1931 60 years. Mean	1.47	1.38	1.39	1.36	1.51	1.99	2.02	2.09	0.83	0.54	0.92	0.98
Annual 16.48												

Note:- The foregoing is drawn to examine for seasonal distribution.

C.R.1931.

PRECIPITATION.

1930--x--1931

HEBER	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.
Precip.	0.85	1.45	0.16	0.63	0.50	0.69	1.15	0.47	T	0.86	0.44	0.59
Mean Prec.	1.42	1.41	1.64	2.18	2.04	2.09	1.46	1.42	0.62	0.80	1.47	1.17
Difference	-.57	+.04	-1.48	-1.55	-1.54	-1.40	-0.31	-.95	-.62	-.06	-1.03	-.58
Total Prec.	0.85	2.30	2.46	3.09	3.59	4.28	5.43	5.90	5.90	6.76	7.20	7.79
Total Mean.	1.42	2.83	4.47	6.65	8.69	10.78	12.24	13.66	14.28	15.08	16.55	17.72
Accumul.	-.57	-.53	-2.01	-3.56	-5.10	-6.50	-6.81	-7.76	-8.38	-8.32	-9.35	-9.93
Percentage	60	81	55	46	41	40	44	43	41	45	44	44

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1930--X--1931

PROVO	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.
Precip.	1.25	1.68	0.55	0.70	0.57	0.75	0.46	0.30	T	0.65	1.34	0.50
Mean Prec.	1.40	1.22	1.54	1.61	1.67	1.71	1.49	1.68	0.68	0.61	0.78	1.07
Difference	-.15	+.46	-.99	-.91	-1.10	-.96	-1.03	-1.38	-.68	+.04	+.56	-.57
Total Prec.	1.25	2.93	3.48	4.18	4.75	5.50	5.96	6.26	6.26	6.91	8.25	8.75
Total Mean,	1.40	2.62	4.16	5.77	7.44	9.15	10.64	12.32	13.00	13.61	14.39	15.46
Accumul.	-.15	+.31	-.68	-1.59	-2.69	-3.65	-4.68	-6.06	-6.74	-6.70	-6.14	-6.71
Percentage	89	112	84	72	64	60	56	51	48	51	57	57

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SALT LAKE CITY.

1930- x -1931

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.
Precip.	1.42	1.07	0.54	0.72	0.61	1.14	1.84	0.58	0.33	0.61	1.07	0.56
Mean Prec.	1.44	1.35	1.43	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.98
Difference	-.02	-.28	-.89	-.59	-.90	-.84	-.21	-1.34	-.47	+.10	+.22	-.42
TotalPrec.	1.42	2.49	3.03	3.75	4.36	5.50	7.34	7.92	8.25	8.86	9.93	10.49
Total Mean	1.44	2.79	4.22	5.53	7.04	9.02	11.07	12.99	13.79	14.30	15.15	16.13
Accumul.	-.02	-.30	-1.19	-1.78	-2.68	-3.52	-3.73	-5.07	-5.54	-5.44	-5.22	-5.64
Percentage	99	89	72	67	62	61	66	61	60	62	66	65

- -

DAILY PRECIPITATION
AT
HEBER CITY, UTAH.

YEAR ENDING SEPTEMBER 30, 1931.

	1930---			x ---1931								
Day.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.
1	.34	-	-	-	.17	-	-	T	-	-	-	-
2	.18	-	-	.26	-	-	-	-	-	-	-	-
3	.07	-	-	.14	-	-	-	.22	-	-	-	-
4	-	-	-	-	.12	T	-	-	-	-	-	-
5	-	-	-	-	.02	-	-	-	-	-	.03	T
6	-	-	T	-	.01	-	-	-	-	-	-	-
7	.01	-	-	-	-	T	-	-	-	-	.04	-
8	.03	-	-	.05	-	-	.02	-	T	-	-	-
9	.10	-	-	.03	-	-	-	-	T	-	-	-
10	.07	-	-	-	-	-	-	-	-	-	-	-
1	.05	-	-	T	.08	-	-	-	-	-	-	-
2	-	-	-	.07	T	-	-	-	.T	-	-	-
3	-	-	.01	-	-	-	.05	-	-	-	-	-
4	-	.07	-	-	.02	-	.14	-	-	-	T	-
5	-	-	T	-	-	-	-	-	-	-	.07	.18
6	-	.50	T	-	.05	-	-	-	-	-	-	-
7	-	.81	-	-	-	.02	-	-	-	-	-	-
8	-	-	.15	T	-	.21	-	-	-	-	T	-
9	-	-	-	-	-	.05	-	-	-	-	.10	.15
20	-	-	-	-	-	T	-	.19	-	-	T	T
1	-	.07	-	-	-	-	-	-	-	-	-	T
2	-	-	-	-	-	.04	-	-	-	-	.06	.01
3	-	-	-	-	-	-	.23	-	-	-	-	.04
4	-	-	-	.08	-	-	.55	-	-	-	-	-
5	-	-	-	-	-	.12	-	-	-	-	-	-
6	-	-	-	-	-	.06	T	.06	-	-	-	-
7	-	-	-	-	.03	-	.04	-	-	T	-	.10
8	-	-	-	-	-	.12	.10	-	-	-	-	.11
9	-	-	-	-	-	.02	.02	-	-	T	-	-
30	-	-	-	-	-	-	-	-	-	-	.23	-
1	-	-	-	-	-	.05	-	-	-	.63	.14	-
Totals	.85	1.45	.16	.63	.50	.69	1.15	.47	T	.86	.44	.59

C.R.1931.

DAILY PRECIPITATION

SALT LAKE CITY, UTAH.

YEAR ENDING SEPTEMBER 30,1931.

	1930-			x	-1931							
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.
1	.39	-	-	.16	-	-	T	-	.30	-	-	-
2	.10	-	-	.15	-	-	.01	.24	-	-	-	-
3	.01	-	-	-	-	-	-	.05	-	T	-	-
4	T	-	-	-	.08	T	-	-	-	-	T	-
5	-	-	-	-	.01	T	-	-	T	-	.08	-
6	T	-	-	-	.03	-	-	-	-	-	T	T
7	T	-	-	-	-	T	.62	T	-	-	-	-
8	.04	-	-	.03	T	-	-	-	-	-	-	-
9	.29	-	-	T	T	-	-	-	-	-	-	-
10	.24	-	T	T	-	-	-	-	.02	-	-	-
1	.15	-	-	.05	T	-	-	-	-	-	-	-
2	-	-	-	.01	.01	.11	-	-	.01	-	T	-
3	T	.02	.04	-	-	-	.19	-	-	-	.86	-
4	-	.06	.02	T	-	-	-	-	-	T	T	-
5	T	-	-	T	.12	-	-	-	-	-	T	T
6	-	.20	.19	.02	.06	-	-	-	-	-	-	-
7	-	.55	.20	T	-	T	-	T	-	-	-	-
8	-	-	.09	T	-	.06	-	T	-	-	T	-
9	-	-	-	-	T	.06	-	-	-	-	.04	.34
20	-	.10	T	-	.02	T	-	.13	-	-	T	.02
1	-	.14	-	-	T	-	-	T	-	-	.01	.03
2	-	-	-	-	T	T	-	-	-	-	-	.01
3	-	-	-	.14	-	-	.54	-	T	-	-	.07
4	-	-	-	.16	-	-	.32	-	T	-	-	-
5	.19	-	-	-	-	.55	.08	-	T	-	-	-
6	.01	-	-	-	-	.05	-	.16	T	T	T	-
7	-	-	T	-	.28	-	.07	T	-	T	-	.09
8	-	-	-	-	-	.30	.01	-	-	.01	-	T
9	-	T	-	-	-	.01	-	-	-	.19	-	-
30	-	T	-	-	-	T	-	-	-	.41	.08	-
1	-	-	-	-	-	T	-	-	-	-	T	-
Totals	1.42	1.07	0.54	0.72	0.61	1.14	1.84	0.58	0.33	0.61	1.07	0.56

C.R.1931.

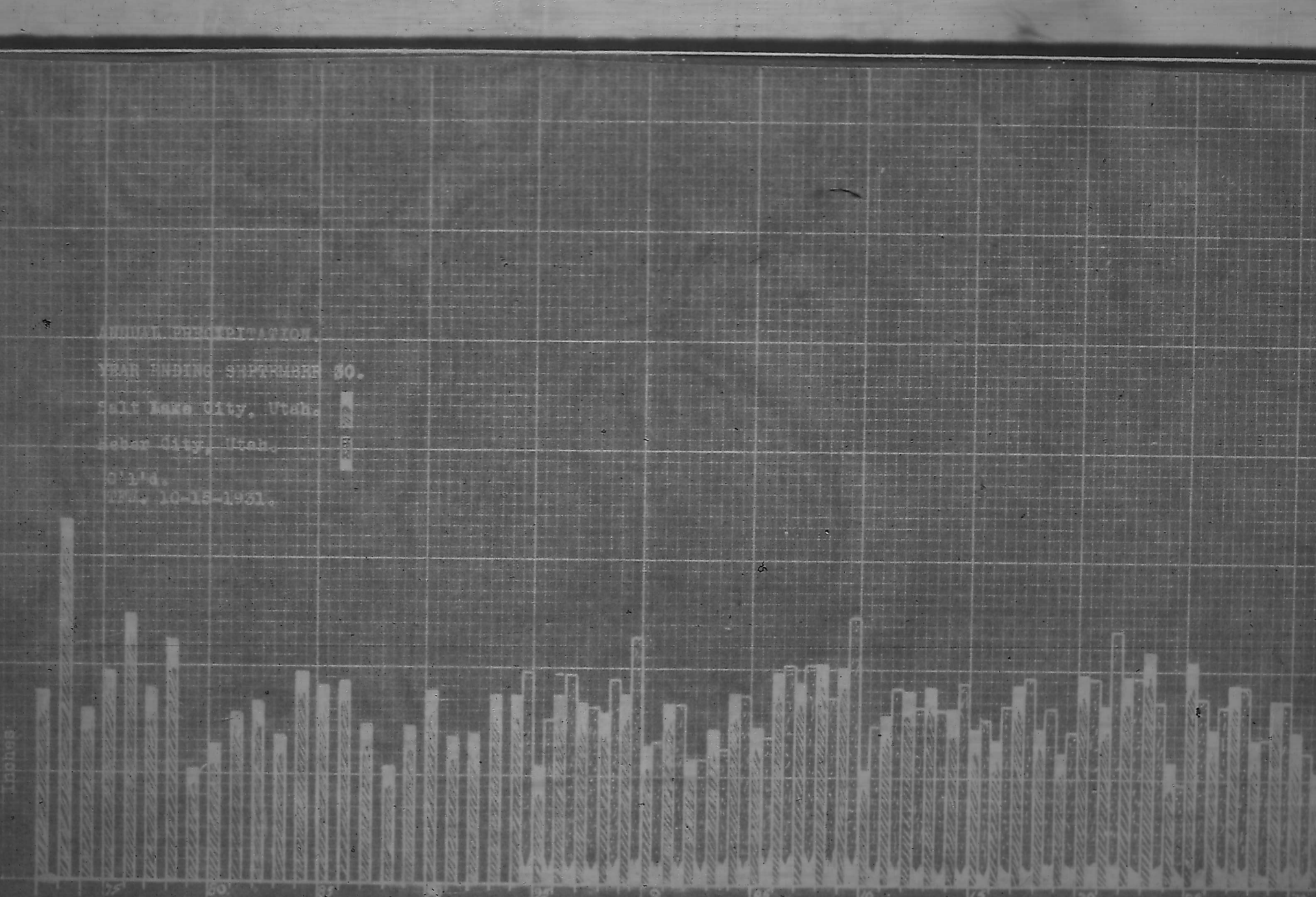
DAILY PRECIPITATION

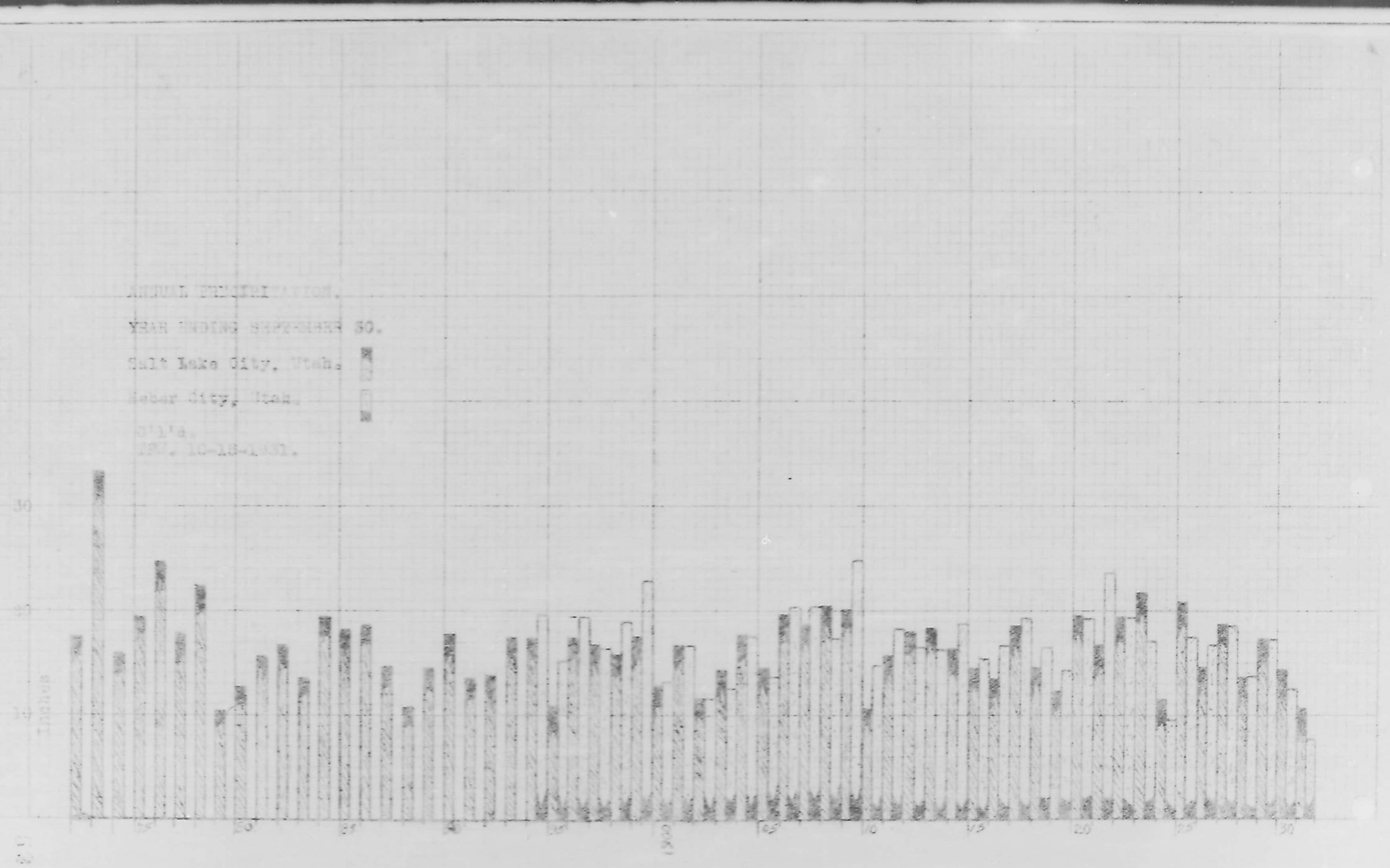
PROVO CITY, UTAH

YEAR ENDING SEPTEMBER 30,1931.

1930- x -1931

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apl.	May.	Jun.	Jly.	Aug.	Sep.
1	.26	-	-	-	-	-	-	-	-	-	-	-
2	.31	-	-	-	-	-	-	-	-	-	-	-
3	.38	-	-	.30	-	-	-	.04	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	.04	-
6	-	-	-	-	-	-	-	-	-	-	T	-
7	-	-	-	-	-	T	-	-	-	-	-	-
8	-	-	-	.10	-	-	-	-	-	-	-	-
9	.10	-	-	-	-	-	-	-	-	-	-	-
10	.13	-	-	-	-	-	-	-	-	-	-	-
1	.07	-	-	.10	.10	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	T	-	-	-	-	-	-	-	.75	-
4	-	.10	-	-	-	-	-	-	-	-	.45	.20
5	-	-	-	-	-	-	-	-	-	-	.10	-
6	-	.70	-	-	-	-	-	-	-	-	-	-
7	-	.82	.55	-	-	T	-	-	-	-	-	-
8	-	-	-	-	-	.25	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	.20
20	-	-	-	-	.12	-	-	.18	-	-	-	-
1	-	.06	-	-	.15	-	-	.03	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	.08	-	-	-	-	T
4	-	-	-	.20	-	-	.27	-	-	-	-	-
5	T	-	-	-	-	.15	.11	-	-	-	-	-
6	-	-	-	-	-	.30	-	.05	T	-	-	-
7	-	-	-	-	.20	-	-	-	T	-	-	.10
8	-	-	-	-	-	.05	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	.20	-	-
30	-	-	-	-	-	-	-	-	-	.05	-	-
1	-	-	-	-	-	-	-	-	-	.40	-	-
Totals	1.25	1.68	.55	.70	.57	.75	.46	.30	T	.65	1.34	.50


ANNUAL PRECIPITATION.
YEAR ENDING SEPTEMBER 30.
Salt Lake City, Utah.
Weber City, Utah.
Cl'ld.
DEC. 10-15-1931.
Inches


ANNUAL PRECIPITATION.
YEAR ENDING SEPTEMBER 30.
Salt Lake City, Utah.
Weber City, Utah.
O'l'a.
NOV. 10-18-1931.
30
25
20
15
10
5
Inches
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130

C.R.1931. PROVO RIVER SYSTEM

PRECIPITATION AND RUN-OFF.

Year Ending Sep.30	Prec. at Heber	Per Cent Mean	Run-off Ac.Ft. Viv.Pk.	Per Cent Mean	Percent Run-off of Prec.	Per Cent Mean
	Precipitation at Heber Station.		Run-off at Vivian Park Stations.			
1889	(15.21a)	89				
1890	18.73a	109	407,775	124	64	114
91	14.43a	84	353,241	107	71	122
92	14.78a	86	359,903	109	71	122
93	18.43a	108	365,991	111	58	104
94	19.47	114	400,526	123	60	107
95	15.04	88	321,970	98	62	111
96	19.49	114	376,459	114	57	102
97	16.22	95	407,614	124	73	130
98	18.99	111	308,492	94	47	84
99	22.80	133	458,341	139	59	105
1900	(13.15)	77				
01	16.80	98	283,594	86	49	88
02	(11.43)	67				
03	(12.59)	73				
04	17.60	103	306,720	93	51	91
05	13.93	81	194,450b	59	41	73
06	20.32	119	304,900	93	44	79
07	20.40	119	463,300	140	66	118
08	17.12	100	356,200	108	61	109
09	24.81	145	495,400	150	58	104
1910	14.85	87	341,100	103	67	120
11	18.11	106	288,600	88	47	84
12	16.38	96	307,970	94	55	98
13	16.29	95	289,700	88	52	93
14	18.82	110	355,200	108	55	98
15	15.30	89	233,700	71	45	80
16	16.66	97	338,500	103	59	105
17	19.21	113	427,400	130	65	106
18	16.30	95	273,300	83	49	88
19	14.04	82	240,300	73	50	89
1920	19.06	111	336,600	102	52	93
21	23.46	137	431,400	131	56	100
22	19.36	113	432,800	131	65	106
23	17.00	99	421,600	128	72	129
24	9.38	55	220,600	67	64	114
25	17.45	102	205,500	62	34	61
26	16.80	98	229,000	70	40	71
27	18.49	108	308,900	94	49	88
28	13.92	81	318,400	97	67	120
29	17.23	101	294,800	90	50	89
1930	12.51	73	237,100	72	55	98
31	7.79	45	154,700	47	58	104
Totals 39	667.77		12,850,976			
Max	24.81	145	495,400	150	73	130
Min	7.79	45	154,700	47	34	61
Mean . . .	17.12	. . . .	329,256	. . . . .	56	. . .

a, By other stations. b, Partially complete, interpolated.
( ) Not included in total or mean.
Drainage area is 410,000 acres, mean precipitation of 17.12= 584,933 acre feet, and mean run-off of 329,256 acre feet is 56 per cent of precipitation appearing as runoff.

C.R.1931.

PROVO RIVER SYSTEM

PRECIPITATION AND RUN-OFF.

Observations:-

Year Ending Sep.30.	Prec. at Heber.	Preceeded by Prec of 3 years.	Run-off in 1000 Ac.Ft.	Per Cent.
1905	13.93	18,13,12=43	194	41
1928	13.92	18,17,17=52	318	67
1892	14.78	14,19,15=48	360	71
1910	14.85	25,17,20=62	495	58
1897	16.22	19,15,19=53	408	73
1913	16.29	16,18,14=48	290	52
1918	16.30	19,17,15=51	273	49
1908	17.12	20,20,14=54	356	61
1923	17.00	19,23,19-61	422	72
1929	17.23	14,18,17=49	295	50
1932	17.12x	8.13,17=38y	---	
1893	18.43	15,14,19,=48	366	58
1927	18.49	17,17, 9=43	309	49
1894	19.47	18,15,14=47	401	60
1896	19.49	15,19,18=52	376	57
1922	19.36	23,19,14=56	433	65
1931	7.79	13,17,14=44	155	58

X Assumed to show y.

Assumming: Average distance ground water travel to surface streams of Provo River, to be five miles, 133 feet slope per mile, texture equal to medium sand, then travel is twenty feet per day, and requires three and one-half years time.

CR.1931.

S T O R A G E W A T E R .

SUMMARY.

1931.

	MAY		JUNE		JULY		AUGUST		TOTALS	
	Rel.	Del.	Rel.	Del	Rel.	Del.	Rel.	Del	Rel.	Del.
Provo Reservoir Co.	...	...	312	347	620	595	605	572	1537	1514
Wasatch Irrigation Co.	...	...	225	186	167	198	...	...	392	384
Timpanogus Irrig.Co.	...	...	666	639	...	...	...	...	666	639
Extension Irrig.Co	...	51	170	116	...	...	...	...	170	167
Class "A"	...	...	290	231	37	36	...	...	327	267
Totals	...	51	1663	1519	824	829	605	572	3092	2971

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STORAGE AT RESERVOIRS

	May 23,1931.		Class "A"	Storage Credit.	
a. Washington Lake	GH.17	463 Ac.Ft.	70	393	
b. Wall Lake	11	572 " "	80	492	
c. Trial Lake	18	472	70	402	
d. Star Lake		314	40	274	
e. Subtotals		1821	260	1561	
f. Long Lake		500	70	430	
G. Lost Lake & #1.		455	..	455	
h. Timpanogus Irrigation Co. stored of 1st Class right June 1-7 275 Acre Feet.				275	
i. Subtotals			330	2721	/ 3051

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OWNERSHIP:*

Wasatch Irrigation Co. one-fourth of (e)	390
Timpanogus Irrigation Co. one-fourth of (e) plus(h)	665
Class "A" Rights	330
Provo Reservpir Co., 45.23% of abc;90.5% of f; 89.4% of g; 45% of d.	1502
Extension Irrigation Co. 4.77% of abc; 9.5% off; 10.6% of g; 5% of d.	164
Total	3050

- - - - - - - - - - - - -

Washington Irrigation Co., Big Elk Lake, storage 285 acre feet, released 15 cfs. June 19,Noon, to June 29 12am. Delivered 14.4 cfs. June 19,noon to June 29,800am.

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TFW:TFW:

C.R.1931.

STORAGE WATER.

JUNE 1931.

	Provo Reservoir Co.					Wasatch Irrig.Co.					Timpanogus Irrig.Co.				
	Released		Delivered			Released		Delivered			Released		Delivered		
Day	Cfs	Acft	Cfs	Acft	Time	Cfs	Acft	Cfs.	Acft.	Time	Cfs	Acft	Cfs.	Acft	Time
6	...	...	0/9.6	5.6	5p										
7	...	...	9.6	19.2											
8	0/10	5	9.6	19.2	6p	. . . . .					0/37	18	...	...	6p
9	10	20	9.6	19.2		. . . . .					37	74	0/35.5	12	8p
10	10	20	9.6	19.2		. . . . .					37	74	35.5	71	
11	10	20	9.6	19.2		. . . . .					.37	74	35.5	71	
12	10/8	19	"	"	6p	. . . . .					"	"	"	"	
13	8	16	"	"		. . . . .					"	"	"	"	
14	8	16	"	"		. . . . .					"	"	"	"	
15	8	16	9.6/7.7	15.4	12a	. . . . .					"	"	"	"	
16	8	16	7.7	15.4		. . . . .					37	74	35.5	71	
17	8/5	14	"	"	6p	. . . . .					37/0	56	"	"	6p
18	5	10	"	"		. . . . .					...	...	35.5/0	59	8p
19	5	10	7.7/4.8	14.5	8p	0/10	5	...	...	6p	. . . . .				
20	5	10	4.8	9.6		10	20	...	...						
21	5	10	4.8	9.6		10	20	0/9.6	12.8	8a					
22	"	"	"	"		"	"	9.6	19.2						
23	"	"	"	"		"	"	"	"						
24	"	"	"	"		"	"	"	"						
25	"	"	"	"		"	"	"	"						
26	5	10	4.8	9.6		10	20	9.6	19.2						
27	5/8	12	"	"	6p	"	"	"	"						
28	8	16	"	"		"	"	"	"						
29	"	"	"	"		"	"	"	"						
30	8	16	4.8/9.6	16	8a	10	20	9.6	19.2						
Totals		312		347.3			225		185.6			666		639	

C.R.1931.

STORAGE WATER

JULY 1931.

	Provo Reservoir Co.					Wasatch Irrigation Co.				
	Released		Delivered			Released		Delivered.		
Day	Cfs	Acft	Cfs	Acft	Time	Cfs.	Acft.	Cfs.	Acft	Time.
1	10	20	9.6	19.2		10	20	9.6	19.2	
2	"	"	"	"		"	"	"	"	
3	"	"	"	"		"	"	"	"	
4	"	"	"	"		"	"	"	"	
5	"	"	"	"		"	"	"	"	
6	10	20	9.6	19.2		10	20	9.6	19.2	
7	"	"	"	"		"	"	"	"	
8	"	"	"	"		"	"	"	"	
9	"	"	"	"		10/0	7	"	"	
10	"	"	"	"		...	;;	"	"	
11	10	20	9.6	19.2		...	...	9.6/0	6.4	8a
12	"	"	"	"		. . . . .				
13	"	"	"	"						
14	"	"	"	"						
15	"	"	"	"						
16	10	20	9.6	19.2						
17	"	"	"	"						
18	"	"	"	"						
19	"	"	"	"						
20	"	"	"	"						
21	10	20	9.6	19.2						
22	"	"	"	"						
23	"	"	"	"						
24	"	"	"	"						
25	"	"	"	"						
26	10	20	9.6	19.2						
27	"	"	"	"						
28	"	"	"	"						
29	"	"	"	"						
30	"	"	"	"						
31	10	20	9.6	19.2						
Totals		620		595.2			167		198.4	

C.R.1931.

STORAGE WATER.

AUGUST 1931.

Provo Reservoir Company.

Day	Released. Cfs.	Acft.	Delivered. Cfs.	Acft.	Time.
1	10	20	9.6	19.2	
2	"	"	"	"	
3	"	"	"	"	
4	"	"	"	"	
5	"	"	"	"	
6	10	20	9.6	19.2	
7	"	"	"	"	
8	"	"	"	"	
9	"	"	"	"	
10	"	"	"	"	
11	10	20	9.6	19.2	
12	"	"	"	"	
13	"	"	"	"	
14	"	"	"	"	
15	"	"	"	"	
16	10	20	9.6	19.2	
17	"	"	"	"	
18	"	"	"	"	
19	"	"	"	"	
20	"	"	"	"	
21	10	20	9.6	19.2	
22	"	"	"	"	
23	"	"	"	"	
24	"	"	"	"	
25	"	"	"	"	
26	10	20	9.6	19.2	
27	"	"	"	"	
28	"	"	"	"	
29	"	"	"	"	
30	"	"	9/6/0	15.6	725p
31	10/0	5	...	...	6a
Totals		605		572.4	

C.R.1931.

STORAGE WATER.

EXTENSION IRRIGATION CO.

May Day	Released Cfs.	Released Acft	Delivered. Cfs.	Delivered. Acft.	Time
28	...	...	6.9	9.2	8a
29	...	...	6.9	13.8	
30	...	...	6.9	13.8	
31	...	...	6.9	13.8	
Totals		...		50.6	
JUNE					
1	...	...	3.5	7.	
2	...	...	3.5	7.	
3	...	...	6.9	13.8	
4	0/20	20	6.9	13.8	12m
5	20	40	6.9	13.8	
6	20	40	6.9	13.8	
7	20	40	6.9	13.8	
8	20/0	30	8.2	16.4	6p
9	...	...	8.2	16.4	
Total		170		115.8	
Grand Totals		170		166.4	

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Class "A" RIGHTS STORAGE.

June Day	Released Cfs.	Released Acft	Delivered Cfs.	Delivered Acft.	Time
12	0/2	1	...	...	6p
13	2	4	....	...	
14	2	4	...	...	
15	2	4	2.0	4..	12a
16	2	4	2.	4	
17	2/10	13	2	4	6p
18	10	20	2	4	
19	10	20	2/9.6	5.1	8p
20	10	20	9.6	19.2	
21	10	20	9.6	19.2	
22	"	"	"	"	
23	"	"	"	"	
24	"	"	"	"	
25	"	"	"	"	
26	10	20	9.6	19.2	
27	"	"	"	"	
28	"	"	"	"	
29	"	"	"	"	
30	10	20	9.6/7.7	17.7	8a
Total		290		230.8	
JULY					
1	8	16	7.7	15.4	
2	8	16	7.7	15.4	
3	8/0	5.3	7.7/0	5.1	8a
Totals		37.3		35.9	
Grand Totals		327.3		266.7	

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Note: Storage as shown of May 23, 1931, in reservoirs, included a quantity of water belonging to Class "A" rights, and was later delivered to Class "A" rights as above.

C.R.1931.

WEBER RIVER WATERS THROUGH

DIVERSION CANAL TO PROVO RIVER.
1 9 3 1

1931 MAY.	From Weber R. Oakley Dam			South End Divers.Canal			Provo Res.Co. At Heiselt Dam.			Extension Irrig. Company. Wasatch Canal.		
Date	Cfs.	Acft	Time	Cfs.	Acft	Time	Cfs.	Acft	Time	Cfs	Acft	Time.
17	0/79	86	11a	0/62	38	430p						
18	79/52	131	12m	62/40.5	103	6p		38*				
19	52	104		40.5	81			103*				
20	52	104		40.5	81		40.5	81				
21	52	104		40.5	81		40.5	81				
22	52	104		40.5	81		36.5	73		3.5	7	
23	52	104		40.5	81		33.3	67		6.7	13.4	
24	52	104		40.5	81		33.3	67		6.7	13.4	
25	52/0	48	11a	40.5/0	51	3p	33.3	67		6.7	13.4	
26.							33.3	42	3p	6.7/0	4.5	8a
							0					
Totals		889			678			619			51.7	

* Old rights at Decree, direct to Provo Reservoir Canal.

JUNE												
3	0/26	28	1115a	0/15.43	5	8p	0/10	3	8p			
4	26	52		15.43	31		10/13	23	12M			
5	26/0	41	7p	15.43	31		13	26				
6				.15.43/0	5	4a	13/0	18	5p			
Totals		121			72			70				

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Echo Reservoir storage 1931, 12,000 Acre feet.

Provo Reservoir Co. and Extension Irrigation Co. 7.5 per cent = 900 Ac.Ft. and 5% deduction = 855 Ac.ft.
Provo Reservoir Co. 811 Ac.Ft. in Reservoir less 5% = 770 Ac.ft.
Extension Irrigation Co. 89 Ac.Ft in Reservoir less 5% = 85 ac.ft.
Fisher Bros. storage right of 50 acft. included in Extension Irrig.Co.

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OUTLINE OF DISTRIBUTION 1931.

Name	May 10-June 20	June 20-July 20.	July 20-Sept. 1.	Sept.1-May 10.
West Union, Smith, Carter, P&N, B&Y.	36.21	32.78	29.41	29.10
Timpanogus Canal Co.	14.12	12.83	11.29	11.29
UEU&FFd Canal	15.16	13.73	12.31	12.19
City Creek	10.00	9.20	8.20	7.77
Provo City* Excl.Waterworks	62.58	58.15	55.88	53.02
Little Dry Creek	8.43	7.67	6.75	6.75
Ft.Field Canals	7.18	6.38	5.74	4.59
Lake Bottom Canal, Alma Jorgensen & Utah-Idaho Sugar Co.	15.93	14.17	12.75	10.20
Spring Creek (All on Schedule.)	~~7.18~~ 7.22	~~6.54~~ 6.58	~~5.77~~ 5.74	~~5.74~~ 5.17
Provo Bench Canal	See attached sheet.			
Provo Reservoir Canal:-				
Of Blue Cliff Right	9.55	17.37	19.51	20.40
After June 9th,	14.11			
Wright Est. Springs & River Water less 0.6 cfs. assigned	1.20	1.20	1.20	1.20
Round Valley Creek, After June 15-30	3.12	3.12	3.12	3.12
Storage as shown.	----	-----	-----	-----
Tunnel as shown.	----	-----	-----	-----
Weber River as shown	----	-----	-----	-----
Other Classes as shown	----	-----	-----	-----

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Provo City and Orem Waterworks as shown.

The above are net quantities, losses and inflows are as shown,-- based upon 100% of awarded rights.

* The Provo Brick & Tile Co. are useing water on two acres of land under Spring Creek, which right was formerly under Provo City system and the quantity (.04 and .03) is deducted from City and added to Spring Creek.

And Provo City is useing, as tabulated herein, part of Lost Creek and Bridal Veil Falls into waterworks system, and the quantity from time to time is charged against that shown above, in the distribution.

Blue Cliff Right of Provo Reservoir Co., in Provo Res. Canal, increased on June 9th, by reducing North-Opening of Provo Bench Canal to approx. 3. cfs.

OUTLINE OF DISTRIBUTION PROVO BENCH CANAL 1931.

Name	May 10- June 20	June 20- July 20.	July 20- May 10.
a. PBC&ICo. Par.6. 1520.4 shares.	76.01	68.77	61.89
b. Caleb Tanner by deed Par.30. . . . Five shares. . .	0.25	0.25	0.25
c. One share is	.05	.04525	.04074
d. Caleb Tanner by deed 28 shares	1.24	1.24	1.24
e. Provo Res. Co. by deed 250 shares	12.50	11.31	10.18
f. J.D.Dixon by deed 31 shares	1.55	1.40	1.26
g. Provo Res.Co by deed 120 shares	6.00	5.43	4.89
h. Subtotal 1954.4 shares	97.55	88.40	79.71
i. Provo Res.Co. not in Cert. 93 23/24 shares	4.70	4.25	3.83
j. Caleb Tanner not in Cert. 86 shares	4.30	3.89	3.50
and 90 shares N Union	2.38	2.16	1.94
k Subtotal	~~[illegible]~~ 108.93	98.70	88.98
THRU NORTH OPENING OF DIVISION GATES:-			
l. J.D.Dixon when available	1.50	1.50	1.50
m. Provo Res. co. 739 Ac. Shares Duty 57,63,70.	12.96 8.4*	7.50	~~17.59~~ 6.70**
n. Caleb Tanner 56.67 Acres Duty 57,63.70.	1.00	0.90	0.81
Subtotal N.Opening	15.46 10.90*	~~19.90~~	~~19.90~~ 9.01**

TFW:TFW.

* June 9 to July 20. ** After Sept.1st.

Addenda;- Outline of Distribution 1931.

LOWER END CITY CREEK:-

Lafe Baum	7.50	
Elmer Baum	7.50	
S.S.Cluff	9.00	
P.B.&.T Co.	14.00	
F.Perry	9.00	
Elmo Cluff	4.50	
Earl Foote	6.00	Stock in ERBWCo.
J.A.Baum	10.00	
Total	79.70 Acres	
Less	6.00	Of Earl Foote By stock = 73.70
	73.70	

And on 73.70 is as follows:-

May 10-June 20,	Duty 57,	1.29 cfs.	A
June 20-July 20,	" 63,	1.17 "	B
July 20-May 10,	" 70,	1.05 "	C

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Name.	May 10-June 20.	June 20-July 20.	July 20-Sept. 1.	Sept. 1-May 10.
ERBWCo.	7.96	7.35	6.56	6.17
A B & C.	1.29	1.17	1.05	1.05
WM.Cluff	.327	.298	.262	.243
A.Rambaud	.308	.281	.246	.229
H.V.Smith	.110	.100	.087	.079
Totals	10.00	9.20	8.20	7.77

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A. H. CHRISTEN PHO 322 M. R. STRAW

LAW OFFICES OF
CHRISTENSON AND STRAW
32 WEST CENTER STREET
PROVO, UTAH

April 13, 1931.

To T. F. Wentz,
Water Commissioner of Provo River.

Dear Sir:-

You are hereby notified that the undersigned parties have arranged to use the 2.52 S. F. of water decreed to John D. Dixon by the District Court in and for Utah County, in cause No. 2888 Civil through the Provo Reservoir Water Users Company Canal having its diversion point in Provo Canyon near Heiselts in Utah County, State of Utah.

Now Therefore, we the undersigned hereby request you to immediately turn over the Utah Power and Light Company Dam and into the Canal of the Provo Reservoir Water Users Company specified above said 2.52 S. F. of "Class A" water of Provo River which was decreed by the District Court of Utah County, State of Utah in Paragraph 28 of the decree in said cause No. 2888 Civil to John D. Dixon, and to continue to turn the aforesaid water into said Provo Reservoir Water Users Company Canal until the undersigned parties to this instrument deliver to you a written request or order to cease turning the aforesaid water into the said Provo Reservoir Water Users Company Canal.

Esthma Tanner

Caleb Tanner

40

T. F. WENTZ
CIVIL AND IRRIGATION ENGINEER
PROVO, UTAH

CC

PHONES:
148 R 1
378

Provo City, Utah.
April 15, 1931.

Caleb Tanner,
411 W. 5thN.
Provo, Utah.

Dear Sir:-

In accordance with your request of the 13th, I have to-day "A$ 1158a turned Tanner water by Olmstead Dam, thru Sandgate, (2.52 x 80%) 2.02cfs. pro rata, proportion. (Class "A" at 80% to-day.)

Reference Par.118 of Decree No.2888; Par.1 of Cause No. 3741, Supreme Court of Utah, amending No.2888; Par.4 of Decree in No. 757, 4th Dist.Court, "Chidester Decree".

Exceptions may be taken under Par. 132 of No.2888.

Resp.

T.F.Wentz

Commissioner.

Orig. to Caleb Tanner.
CC to Utah Power & Light Co.
CC to Provo Reservoir Co.
CC to Provo City.

C.R.1931.

UTAH POWER & LIGHT COMPANY.

OLMSTEAD PLANT.

1931.

Date	Time	G.H.	Cfs.	Remarks.
4-5	Provo Reservoir Co. ask for more water, canal has approx 7.cfs.			
4-5	935a			Wheels 2 &4, 4200 kw.
4-5	1000a	440		Same bulkheads as last fall., turned thru sand-gate at 1010a approx 3. cfs, Wright Estate right of Provo Reservoir Co., river is at about 75%.
4-10	446p			Closed sand-gate. I construe decree to be that Provo Reservoir Co., have no right to Wright Estate water before June 15-30 ,--- and they have no right to use before that time.
4-11	1145a	439)	214.57	2-4--4300kw
	1230p	439)		
4-13	300p	404		2&4-3300
4-14	Received letter of April 13, 1931, of Esthma and Caleb Tanner, transmitted same in substance to Mr. Thorum of UP&LCo., he objects to change on grounds of change to other lands than where it is now being used,and that Commissioner has no right to change water around at request of parties.			
4-15	700a	387		At 1158a turned Tanner Water by Olmstead Dam--thru sand-gate,(2.52 x80%)2.02 cfs. (Class "A" rights 80% to-day.)
4-16	Bulkheading to-day.			
4-16	Flume bulkheaded at 230p.			
4-16	331p	421,		Tanner water by Dam, 335p 1.5cfs, = 60% to-day's Class "A" ratio. Provo City takes into waterworks 2.cfs.of Lost Creek.
4-17	700a	415		
4-20	630a	398		4--2700kw. Apprx.140cfs.
4-21	700a	387		Put in some bulkheads.
4-21	600	393		
4-22	700a	395		
4-23	700a	408		Windy,Cold, Snow at Mouth Canyon.
4-24	700a	455		Taking out some bulkheads this am,rain last night.
4-29	700a	415		4-3100kw.,Bulkheading to-day.
5-1	700a	480		
5-2	700a	490		
5-3	700	489		
5-4	608a	503		
5-4	1150a	501)		
	1210p	500(	161.75,	adjusted Tanner water thru sandgate at
	1230p	499)		1245p to 1.75 cfs. =70%
5-7	700a	496		
	1234p	Tanner water thru sandgate 1.50cfs= 60%		
5-8	700a	503		
5-9	650a	513		4--3800kw.
5-10	1000a	514		
	1006a	Tanner water 1.50cfs.		
		Bridal Veil Falls 1014a,Gh 30,=1.61 cfs.to flume,balance to City waterworks; Lost creek, 1.14 cfs to City Waterworks.		
5-12	700a	487		
5-13	700a	495		
5-14	700a	535,		taking out some bulkheads this am, Bulkheads out at 1140a.

1931.

Date	Time	GH.	Cfs.	Remarks.
5-14	River raising.all day.			
5-14	300p	540)		
	320p	540(	234.2	
	340p	542)		
5-15	Have UP&LCo. pull more bulkheads and take more water thru flume to bring rights below tailrace up to decree.			
5-15	300p	510)		
	320p	511(	262.83	Took out some Bulkheads this am.
	340p	512)		
	Expect flow to settle tO-night,so as to be able to get on decree to-morrow.			
	802p raised flume to gh. 524.			
5-18	Turned out slowly 500a to 700a, for repairs.			
5-21	600a Turned in, taking thru sandgate approx 40.cfs,,Weber River water and Tanner water.,at 1204p closed sandgate 8 rounds (8 cfs.). At 610p closed sandgate 3 rounds.			
5-22	Bulkheaded this am.			
5-23	700a	406		
5-24	700a	405.	At 905a closed sand gate 3 rds: 3.5 cfs. excess in Provo Reservoir Canal.	
5-24	Gage raised from 405 to 415 to-day; max temperature 99°			
5-25	1015a	422,closed sandgate 2 rds at 1017a.		
5-26	At 150p closed sandgate except 1.50 cfs Tanner water--Provo Reservoir Co.,Weber river water exhausted.			
	700a	468		
	700p	481,	By dam--thru sandgate 740p--1.5 cfs.	
5-29	700a	446		
5-30	700a	428		
	700p	423		
6-2	700a	436	Bulkheaded 4" to-day	
6-3	700a	448		
6-3	540p	442,	at 545p Raised sand-gate 6 rds,-- Provo Res.Co. Weber River water,from Ogden City(See Msr. in morning on P.R.Canal.)	
6-4	600a Raised sandgate 4 rds. Provo Res. Canal,1130a;80cht; 20.72 cfs. entitled to 4.8 Blue Cliff; 2.5 tunnel; 10.00 Weber river = 17.3cfs. at 12m, closed sandgate 3 rds.			
	700a	438		
6-5	700a	446	Bulkheaded to-day.	
6-6	700a	474		
6-7	700a	467		
6-8	600a	485		
	600p	486,	closed sandgate 2 rds.	
6-9	1041a	492)		
	1100a	492(	166.23; 3600kw,	To pass dam 9.6 storage;1.26 Tanner water.
	1120a	492)		
6-11	700a	474		
6-12	700p	463		
6-14	700a	448		
6-15	240p	449		
6-17	700a	440		
6-18	700a	437		
	605p	437		
6-20		Closed sandgate 1 rd. to cut PR canal.		
6-21	700a	436		
6-22	700a	448		
	700p	448		
6-23	700a	443		
6-24	700a	434	Provo City this pm. takes all of Lost Creek and Bridal Veil Falls into waterworks system total 3.58 cfs.	

1931

Date	Time	GH.	Cfs.	Remarks.
6-26	634a	431		By dam 4.8 storage; 1.00 cfs,(40% of 2.52 Tanner); 1.73(40% of 43.3 Wright Est.) = total 7.53 cfs.
6-28	Closed sandgate 1 rd.			
	700a	431		
6-30	800a	432		Raised sandgate 2 rds, to pas to Provo Res. the additional 3 cfs storage.;at 930p raised sandgate 2 rds--2 cfs additional storage to P.Res.Canal
7-1	700a	425		Raised sandgate 1 rd at 800a to pass P.Res.Storage.
7-2	617a	Closed sandgate 1½rds.		
7-2	1045a	~~442~~420		
7-4	700a	410		
7-5	700a	415		
7-6	545a	408		
7-7	700a	400		
7-9	623a	395		
7-10	700a	401		
7-11	700a	406		
	1000a	408		Approx. 7 cfs by Dam, opened sandagete 2 rds(9.6 storage +1.4)
7-12	700a	395,		By Dam est. 10.cfs.
7-14	700a	388		Bulkheading this am.
7-14	1250p	415)		
	105p	415(		95.72
	120p	415)		By Dam & thur sandgate 9.6 storage; 0.8 Tanner water; 0.5 Wright Est.= 10.9 cfs.
7-17	700a	404		
7-20	620a	406		
7-21	700a	409		
7-22		Closed sandgate 1 rd.		
7-23	700a	406		
7-24	700a	420		
	700p	417		
7-25	700a	407		
7-26	700a	404		
7-27	700a	400		
7-28	700a	405		Cloudy "At Last"
7-29	626a	406		
7-30	729p	Mudslide blocks river off above Olmstead dam.		
7-31	530a	A liitle water by slide,over RR track, at 800a about 15 cfs. by slide. In pm Dam is placed across RR track to force water over slide, this backs it up to Vivian Park, approx. 5o cfs at mouth of canyon in evening.		
8-1	Railway Co. put in clam in pm, lowered water by 800pm, about 1 ft.			
8-2	" " working with clam.			
8-3		Started turning in flume at 1100a,water thru plant at 430p		
8-5	700a	439;		Railway Co Clam, pulls out at 5 pm, some water on road at Ferguson flat. Back water to Vivian Park Bdg.
8-6	700a	460		
8-7	700a	453		
8-8	700a	440		
	700p	440		
8-10	627a	429		Closed sandgate 2 rds.
8-11	700a	429		
	700p	425		
8-12	619a	422		
8-14	700a	420		
8-15	700a	421		

1931 Date	Time	GH.	Cfs.	
8-16	700a	422		
8-17	700a	429		
8-18	900a)	432)		
	935a)	432)	89.6	By Dam approx 8. cfs, raised sandgate 2 rds. at 945a
8-20	700a	431		
8-21	700a	427		
8-22	700a	429		By dam and sandgate 1000am,approx 10.cfs
8-24	700a	423		
8-25	100p	415		
8-26	630a	406		
	135p	402)		
	155p	402(	74.00	By Dam and Sandgate 220pm, 8cfs.
	215p	402)		
8-27	500a	398		(Note for season low point)
	645a	401		
8-28	650a	410		
8-29	643a	425		
8-30	700a	424		At 725p, closed sandgate,Provo Res.Co. storage exhausted.
8-31	700a	440		Have UP&LCo. take all water at dam, dirt dam is placed 100ft above Olmstead dam, at lower end of mudslide, diverting all water to intake.
9-1	640a	441		
9-2	638a	421		Temperature at dam 43°
9-3	630a	421		
9-4	700a	422		
9-6	700a	422		
9-8	700a	416		
9-9	700a	412		
9-10	700a	418		This the fourth successive day of SW wind.
9-11	700a	421		Clear & cold.
9-12	700a	420		
9-13	700a	420		
9-14	700a	420		
9-15	700a	430		Light showers in canyon.
9-16	700a	422		
9-17	700a	428		
9-18	700a	424		
9-20	700a	427		
9-22	700a	436		
9-24	700a	442		
9-25	700a	437		
9-27	700a	439		
10-4	700a	442		
10-4	700a	444		
10-12	700a	454		
11-1	700a	472.		

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C.R.1931.

PROVO RESERVOIR CANAL.

(14' Rating Flume to June 25; then 1'x14' Supp. Weir.)

1931 Date	Time	GH.	Cfs.	Remarks.
4-5	930a	est.	7.-	Ask for moreeWater. At 1010a,turned thru sandgate approx. 3cfs; Wright Est.right of Provo Res. Co; river is at about 75%.
4-10	446p	Closed sandgate. I construe decree to be that Provo Res. Co., have no right to WrightEst.water before June 15-30,--- and they have no right to use before that time.		
4-6	800a	60	9.5	
4-11	1030a	50	4.48	
4-13	Turned out yesterday pm for repairs, repairing syphon this am.			
4-14	626a	49	4.4	
4-15	816a		2.47	At 1158a turned Tanner water by Olmstead Dam--thru sandgate,(2.52 x80%)2.02.(Class "A" rights 80%to-day)
4-16	621a	50	4.50	Starting pumps at 10-11am.
	422p	67	13.	Nos. 2&3,pumps running.
4-17	605a	65	12.0	
4-18	615a	67.	13.0	North Union Cleaning, and P.R.Co, puts on pump #1, while N.U. out.
4-20	600a	77	18.8	
4-21	606a	67	13.0	
4-22	346p	66	12.5	
4-24	823a	89	25.5	
4-26	1127a	65	12.0	
4-27	548a	70	14.60	
4-28	607a	69.	14.0	
4-29	605a	66	12.5	
5-1	932a	71	15.2	
5-2	830a	70	14.6	
5-3	830a	71	15.2	
5-4	545a	71	15.2	
5-5	544a	73	16.4	
5-6	618a	73	16.4	
5-7	1140a	68	14.31	
5-8	611a	69	14.0	
5-9	616a	70	14.6	
5-10	923a	74	17.0	
5-11	548a	74	17.0	
5-12	742a	72	15.8	Pumps on part of time,transformer burned out yesterday.
5-13	800a	70	14.6	
5-14	550a	84	23.0	
	Lat #1,		.50	/23.5
5-14	620p	190	80.8	
	Lat #1		.50	/81.3 Cut off pumps 630p
5-15	528a	183	75.9	
	746p	250	137.0	
5-16	611a	136	49.2	
5-17	530a	156	60.5	
	400p	284	176.0	
5-18	542p	287	179.6	
	Lat#1		2.0	/ 181.6
5-20	530a	130	46.19	R
5-21	1158a	158	61.5	
	Lat#1		.5	/62.0
	216p	150	57.5	
	Lat#1		.5	/58.0
5-22	528a	140	52.5	
5-23	602a	132	47.2	
5-24	829a	128	45.0	
5-25	514a	125	43.5	
5-26	555a	124	43.0	

PROVO RESERVOIR CANAL.-2-

1931 Date	Time	GH.	Cfs.	Remarks.
5-26	658p	74	17.0	
5-27	511a	67	13.0	
5-28	532a	64	12.54	Funeral of Jos. R. Murdock at Heber this pm.
	1135a	64	12.5	
5-29	539a	60	9.5	
5-30	629a	58	8.5	
5-31	552a	58	8.5	
6-1	526a	56	7.5	
6-2	526a	60	9.5	
6-3	532a	60	9.5	
6-4	1130a	80	20.72	
6-5	538a	80	20.6	
6-6	521a	80	20.6	
6-7	813a	77	18.8	
6-8	541a	77	18.8	
	405p	84	23.0	Showers Over Rock & Pole canyons.
6-9	521a	84	23.0	
	12M	80	20.6	
6-10	528a	80	20.6	
6-11	537a	79	20.0	
6-12	551a	79	20.0	
6-13	521a	78	19.4	
6-14	552a	77	18.4	
6-15	552a	78	19.4	
6-16	511a	81	21.2	
6-17	548a	80	20.6	
6-18	506a	76	18.2	
	Lat#1		1.93	/ 20.13
6-18	532p	75	17.6	R.
6-19	548a	79	20.0	
6-20	532a	80	20.6	
6-21	554a	77	18.8	
6-22	527a	76	18.2	
6-23	537a	78	19.4	
6-24	555a	90	19.66	Canal change at #2 Gate.
6-25	600a	82	16.8	Put in 1' x 14' Suppressed weir.
	200p	48	16.8	New gage 00 = crest of weir.
6-26	552a	50	17.92	
6-27	608a	50	17.92	
6-28	1002a	50	17.92	
6-29	824a	48	16.8	
6-30	554a	48	16.8	
7-1	520a	53	19.6	
7-2	612a	59	23.1	
	1029a	55	20.72	
7-4	521a	54	20.16	
7-5	856a	55	20.72	
7-6	521a	55	20.72	
	952a	56	21.42	
7-7	541a	52	19.04	
7-8	539a	51	18.48	
7-9	607a	54	20.16	
7-10	524a	53	19.60	
7-11	540a	53	19.60	
	753p	56	21.42	800pm cut off pump #3,only #1 running.
7-12	600a	50	17.92	
7-13	521a	53	19.6	
7-14	548a	52	19.04	
7-15	542a	51	18.48	
7-16	544a	51	18.48	
7-17	539a	50	17.92	
7-19	632a	50	17.92	
7-20	554a	51	18.48	
7-21	637a	52	19.04	

PROVO RESERVOIR CANAL.-3-

1931 Date	Time	GH.	Cfs.	Remarks.
7-22	606a	52	19.04	
7-23	546a	50	17.92	
7-24	546a	50	17.92	
7-25	536a	49	17.36	
7-26	818a	48	16.80	
7-27	524a	49	17.36	
7-28	534a	48	16.80	
7-29	556a	48	16.80	
7-30	729p			Mudslide above Olmstead Dam.
8-1	751a	43	14.28	
8-2	254p	46	15.82	
8-3	548a	32	9.10	Raised.
	838a	47	16.24	
8-4	554a	54	20.16	
8-5	539a	52	19.04	
8-6	617a	48	16.80	
8-7	1217p	48	16.80	
8-8	554a	54	20.16	
8-9	632a	53	19.6	
8-10	614a	49	17.36	
8-11	548a	52	19.04	
8-12	602a	52	19.04	
8-13	612a	48	16.80	
8-14	551a	47	16.24	
8-15	552a	47	16.24	
8-16	940a	48	16.80	
8-17	611a	48	16.80	
8-18	805a	47	16.24	
8-20	624a	49	17.36	
8-21	953a	50	17.92	
8-22	914a	50	17.92	
8-23	1142a	49	17.36	
8-24	619a	49	17.36	
8-26	611a	48	16.80	
8-27	628a	48	16.80	
8-28	631a	48	16.80	
8-29	624a	48	16.80	
8-30	906a	47	16.24	At 725p Closed sandgate,storage exhausted.
8-31	622a	40	12.74	
9-1	619a	40	12.74	
9-2	623a	36	10.92	
9-3	606a	35	10.50	
9-4	620a	36	10.92	Change from Pump #3 to #1.
9-5	617a	35	10.50	
9-6	1124a	36	10.92	
9-8	638a	34	10.08	
9-9	630a	32	9.10	
9-10	913a	32	9.10	
9-11	646a	32	9.10	
9-12	609a	33	9.52	
9-13	1025a	33	9.52	
9-14	631a	32	9.10	
9-15	642a	33	9.52	
9-16	628a	33	9.52	
9-18	645a	33	9.52	

C.R.1931.

PROVO RESERVOIR CANAL.-4-

1931 Date	Time	GH.	Cfs.	Remarks.
9-20	902a	34	10.08	
9-22	826a	36	10.92	
9-24	208p	33	9.52	
9-25	800a	36	10.92	
9-27	830a	35	10.50	
9-29	814a	37	11.34	
9-30	301p	37	11.34	
10-4	944a	37	11.34	
10-5	516p	35	10.50	
10-9	522p	39	12.32	
10-12	1245p	39	12.32	
11-1	812a	13.72		

C.R.1931.

PROVO BENCH CANAL.

1' x 14' Suppressed weir, and Sub.Orifice
in North Opening, and Stevens Register.

1931		Weir		N.Opening.			Register		Total	
Date	Time	GH.	Cfs.	Area	GHs.	Cfs	Time	GH.	Cfs.	
April										
4-6	1111a	143	95.20			00			95.20	
4-14	610a	154	106.12	3	3	7.35			113.47	
4-14	1138a	149	100.66	"	1 7/8	5.79			106.45	C.5cfs.
4-15	806a	136	86.94	"	1 5/8	5.40			92.34	
4-16	610a	124	74.90	"	2 3/4	7.02			81.92	
4-16	407p	105	57.40	"	2 3/8	7.17			64.57	
4-17	555a	105	57.40	"	2 3/8	6.54			63.94	
4-18	600a	97	50.54		1 3/4	5.61			56.15	
	North Union turns to south side, while cleaning.									
4-21	550a		57.40						57.40	
4-22	600a	Turned out/ Setting Gates.								
	200p	Turned in.								
	405p	96	49.70	3	2	6.00			55.70	
4-23	820a	97	50.54		2	6.00			56.54	
4-24	807a	107	59.08		2	6.00			65.08	
4-25	1212p	113	64.54		2	6.00			70.54	
4-27	515a	112	63.56		2	6.00			69.56	
4-28	550a	106	58.24		2 1/4	6.36			64.60	
4-29	548a	104	56.42		1 5/8	5.40			61.82	
May										
5-1	1000a	102	54.74	3	2 5/8	6.87			61.61	
5-2	1000a	108	59.92		3	7.35			67.27	
5-3	1010a	107	59.08		3	7.35			66.43	
5-4	532a	108	59.92		3	7.35			67.27	
	611a	Raised. And raised taintor c.lear of water.								
	1040a	117	68.18		3	7.35			75.53	
5-5	530a	110	61.74		2 7/8	7.17			68.91	
5-6	608a	111	62.58		2 7/8	7.17			69.75	
5-8	600a	111	62.58		3	7.35			69.93	
5-9	600a	112	63.56		3	7.35			70.91	R
5-10	912a	119	70.00		3	7.35			77.35	
	725p	110	61.74		3	7.35			69.09	
5-11	536a	107	59.08		3	7.35			66.43	
5-12	530a	102	54.74		2 3/4	7.02			61.76	
5-13	748a	110	61.74		2 3/4	7.02			68.76	
5-14	536a	119	70.00		2 7/8	7.17			77.17	
	440p	147	98.42		5	9.48			107.90	
5-15	515a	155	107.24		5½	9.84			117.08	
	730p	156	108.36		11½	14.37			122.73	
5-16	600a	158	110.60		10 1/4	13.56			124.16	
5-18	556p	160	112.84		11	14.04			126.88	
5-19	800p	148	99.54		11	14.04			113.58	
5-20	515a	140	91.00		9 3/4	13.23			104.23	
5-21	1145a	126	76.86		7 3/4	11.79			88.65	
	206p	135	85.82		5 1/4	9.72			95.54	
5-22	510a	122	72.94		5 1/8	9.60			82.54	C
5-23	550a	102	54.74		3	7.35			62.09	
5-24	817a	104	56.42		3 1/4	7.65			64.07	R
5-25	500a	107	59.08		3 1/4	7.65			66.73	
5-26	544a	119	70.00		3½	7.92			77.92	
	648p	125	75.88		3 3/8	7.80			83.68	
5-27	500a	122	72.94		3 3/8	7.80			80.74	
5-28	518a	125	75.88		3½	7.92			83.80	
5-29	525a	119	70.00		3 3/8	7.80			77.80	
5-30	620a	109	60.90		3 1/4	7.65			68.55	
5-31	540a	107	59.08		3	7.35			66.43	

PROVO BENCH CANAL. -2-

1931 Date	Time	Weir GH.	Weir Cfs.	N.Opening. Area	N.Opening. GH.	N.Opening. Cfs.	Register Time	Register GH.	Total Cfs.
June									
6-1	525a	107	57.08	3	3	7.35			64.43
6-2	515a	112	63.56		3	7.35			70.91
6-3	522a	106	58.24		2 3/4	7.02			65.26
6-4	533a	106	58.24		2 3/4	7.02			65.26
6-5	524a	104	56.42		2½	6.69			63.11
6-6	505a	105	57.40		2 3/4	7.02			64.42
6-7	800a	105	57.40		2 3/4	7.02			64.42
6-8	530a	107	59.08		1 5/8	5.40			64.48
6-9	500a	108	59.92		1½	5.19			65.11
6-10	512a	106	58.24		1 3/8	4.98			63.22
6-11	520a	106	58.24		1 3/8	4.98			63.22
6-12	538a	106	58.24		1 1/4	4.74			62.98
	1225p	Started Register. (With WJC)						178	
		Put Lock on Emergency gate.							
6-13	505a	105	57.40		1 1/8	4.50			61.90
6-14	515a	100	52.92		1	4.23	520a	170	57.15
6-15	540a	100	52.92		1	4.23			57.15
6-16	455a	98	51.38		1	4.23			55.61
6-17	525a	98	51.38		1	4.23	531a	170	55.61
	600p	98	51.38		1	4.23			55.61
6-18	456a	95	48.86		1	4.23			53.09
	520p	98	51.38		1	4.23			55.61
6-19	525a	96	49.70		1	4.23	530a	169	53.93
6-20	520a	96	49.70		1	4.23			53.93
6-21	515a	93	47.18		7/8	3.96	520a	168	51.14
6-22	510a	94	48.02		7/8	3.96			51.98
6-23	526a	94	48.02		7/8	3.96			51.98
6-24	542a	92	46.48		7/8	3.96			50.44
6-25	547a	88	43.26		7/8	3.96			47.22
6-26	540a	88	43.26		7/8	3.96			47.22
6-27	555a	90	44.80		3/4	3.66			48.46
6-28	855a	90	44.80		3/4	3.66	900a	172	48.46
6-29	924a	90	44.80		3/4	3.66			48.46
6-30	541a	89	44.10		3/4	3.66			47.76
July									
7-1	500a	89	44.10		3/4	3.66			47.76
7-2	600a	88	43.26		3/4	3.66			46.92
7-4	505a	86	41.72		3/4	3.66			45.38
7-5	822a	86	41.72		3/4	3.66	830a	180	45.38
7-6	508a	88	43.26		3/4	3.66			46.92
	935a	86	41.72		3/4	3.66			45.38
7-7	528a	80	37.24		3/4	3.66			40.90
7-8	524a	80	37.24	2 1/4	7/8	2.97			40.21
7-9	600a	79	36.40		7/8	2.97			39.37
7-10	455a	74	32.90		7/8	2.97	Moss Bad.		35.87 R
	940a	77	35.00		7/8	2.97	945a	176	37.97
7-11	524a	79	36.40		7/8	2.97			39.37
7-12	810a	84	40.18		7/8	2.97			43.15
7-13	505a	82	38.64		7/8	2.97	510a	188	41.61 Moss Bad
7-14	Cleaned of moss yesterday-5" drop on Lst.Gage.								
	525a	81	37.94		7/8	2.97	530a	146	40.91
7-15	520a	81	37.94		7/8	2.97	535a	146	40.91
7-16	530a	80	37.24		7/8	2;97			40.21
7-17	522a	80	37.24		7/8	2.97			40.21
7-18	955a	79	36.40		7/8	2.97			39.37
7-19	620a	80	37.24		7/8	2.97			40.21
7-20	530a	77	35.00		1	3.18	535a	150	38.18
7-21	626a	78	35.70		7/8	2.97			38.67
7-22	524a	76	34.20		7/8	2.97	530a	1.49	37.17
7-23	532a	77	35.00		7/8	2.97			37.97

1931 Date	Time	Weir Gh.	Weir Cfs.	N.Opening. Area	N.Opening. GH.	N.Opening. Cfs.	Register Time	Register GH.	Total Cfs.
July									
7-24	520a	77	35.00	2 1/4	7/8	2.97	525a	152	37.97
7-25	530a	79	36.40		7/8	2.97			39.37
7-26	800a	77	35.00		7/8	2.97			37.97
7-27	453a	76	34.30		7/8	2.97	500a	152	37.27
7-28	522a	74	32.90		7/8	2.97			35.87
7-29	540a	74	32.90		7/8	2.97	545a	146	35.87
7-30	540a	78	35.70		7/8	2.97	545a	150	38.67
	729p	Mudslide blocks river off above Olmstead Dam.							
7-31		A little water by slide, over RR track at 800a, about 15 cfs by slide. In pm dam is placed across RR track to force water over slide, this backs it up to Vivian Park, approx. 50cfs at mouth of canyon in evening.							
August.									
8-1		Railway Co. put in clam in pm, lowered water by 8pm, about 1 foot.							
8-2	RR	Working with clam on slide.							
8-1	740a	65	26.88		7/8	2.97			29.85
8-2	530a	80	37.24		7/8	2.97			40.21
	606p	82	38.64		7/8	2.97			41.61
8-3	532a	84	40.18		7/8	2.97	535a	154	43.15
8-4	535a	85	41.02		7/8	2.97	540a	153	43.99
8-5	521a	88	43.26		7/8	2.97	530a	157	46.23
	RR Co. clam pulls out at 5 pm, some water on road at Ferguson Flat. Back water to Vivian Park Bdg.								
8-6	606a	90	44.80		7/8	2.97			47.77
8-7	1210p	92	46.48		7/8	2.97			49.45
8-8	535a	85	41.02		7/8	2.97	540a	153	43.99
8-9	620a	84	40.18		1 1/8	3.37			43.55
8-10	600a	84	40.18		1	3.18			43.36
8-11	535a	82	38.64		1	3.18			41.82
8-12	548a	78	35.70		7/8	2.97			38.67
8-13	600a	79	36.40		7/8	2.97			39.37
8-14	540a	80	37.24		7/8	2.97			40.21
8-15	530a	80	37.24		7/8	2.97			40.21
8-16	957a	79	36.40		7/8	2.97	1000a	148	39.37
8-17	600a	80	37.24		7/8	2.97			40.21
8-18	752a	82	38.64		7/8	2.97			41.61
8-20	606a	83	39.48		7/8	2.97			42.45
8-21	945a	80	37.24		1 1/8	3.37			40.61
8-22	900a	81	37.94		1	3.18			41.12
8-23	1055a	82	38.64		1 1/4	3.55	1100a	160	42.19
8-24	610a	80	37.24		1 1/8	3.37			40.61
8-26	600a	77	35.00		7/8	2.97			37.97
8-27	610a	72	31.50		3/4	2.75			34.25 R
	940a	75	33.60		3/4	2.75	945a	1.49	36.35
8-28	555a	75	33.60		7/8	2.97	600a	152	36.57
8-29	555a	76	34.30		7/8	2.97	600a	153	37.27
8-30	830a	78	35.70		7/8	2.97	835a	155	38.67
8-31	600a	79	36.40		7/8	2.97			39.37
September									
9-1	604a	85	41.02		7/8	2.97			43.99
9-2	614a	81	37.94		7/8	2.97			40.91
9-3	555a	81	37.94		7/8	2.97			40.91
9-4	608a	82	38.64		7/8	2.97			41.61
9-5	606a	82	38.64		7/8	2.97			41.61
9-6	1155a	81	37.94		7/8	2.97	1200m	162	40.91
9-8	620a	78	35.70		7/8	2.97			38.67
9-9	616a	76MR	34.30		3/4	2.75			37.05
	1055a	77	35.00		3/4	2.75	1100a	163	37.75
9-10	840a	77	35.00		3/4	2.75	845a	164	37.75

C.R.1931.

PROVO BENCH CANAL.-4-.

1931		Weir		N.Opening.			Register		Total
Date	Time	GH.	Cfs.	Area	GH.	Cfs.	Time	GH.	Cfs.
September.									
9-11	630a	79	36.40	2 1/4	7/8	2.97			39.37
9-12	555a	80	37.24		7/8	2.97			40.21
9-13	956a	80	37.24		7/8	2.97	1000a	170	40.21
9-14	620a	80	37.24		7/8	2.97			40.21
9-15	628a	84	40.18		7/8	2.97			43.15
9-16	615a	84	40.18		7/8	2.97			43.15
9-18	628a	85	41.02		7/8	2.97			43.99
9-20	845a	87	42.56		1	3.18	850a	182	45.74
9-22	815a	90	44.80		1	3.18			47.98
9-24	152p	90	44.80		1 1/8	3.37			48.17
9-25	906a	88	43.26		1 1/4	3.55			46.81
9-27	955a	90	44.80		1	3.18	1000a	186	47.98
9-29	800a	96	49.70		1 1/4	3.55			53.25
9-30	250p	90	44.80		1	3.18			47.98
October.									
10-4	930a	93	47.18		1	3.18			50.36
10-5	500p	92	46.48		1	3.18			49.66
10-9	510p	94	48.02		1	3.18			51.20
10-12	1205p	95MR	48.86		1 1/8	3.37	1210p	192	52.23
November.									
11-1	800a	116	67.20		1 1/4	3.55			70.75

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TFW:TFW.

C.R.1931.

TIMPANOGUS CANAL COMPANY CANAL.

Submerged Orifice.

L931.

Date	Time	Area	GH.	Cfs.
April				
4-5	Cleaning.			
4-6	Turned in.			
	1005a	3	2 1/8	6.36
4-11	1102a	4.5	7/8	5.94
4-14	658a		1 1/4	7.11 R
	1000a Raised by valve.			
4-15	820a		2	9.00
4-16	634a		2	9.00
	505p	5.25	2	10.50
4-17	621a		2	10.50
4-18	631a		2	10.50
4-20	638a		2	10.50
4-21	632a		2	10.50
4-22	340p		2	10.50
4-24	854a		2	10.50
4-26	1132a		2	10.50
4-27	552a		2	10.50
4-28	621a		2	10.50
4-29	621a		2	10.50
May				
5-1	906a		2	10.50
5-2	918a		2	10.50
5-3	912a		2	10.50
5-4	621a		2	10.50
5-5	555a		2	10.50
5-6	634a		1 3/4	9.81
5-7	100p		2	10.50
5-8	624a		2	10.50
5-9	654a		2	10.50
5-10	1107a		2	10.50
5-11	602a		2	10.50
5-12	555a		2	10.50
5-13	847a		2	10.50
5-14	637a		2 1/4	11.13
5-15	547a	6	3	14.70
	Valve wide open.			
5-15	415p	9	1 1/4	14.22
5-16	628a		1 1/4	14.22
5-18	400p		2	18.00
5-19	740p		1 3/8	14.94
5-20	616a		1 3/8	14.94
5-21	233p	7.5	2	15.00
5-22	552a	6	1 5/8	10.80
5-23	612a		1 7/8	11.58
5-24	912a	4.5	2	9.00
5-26	613a	5.25	2	10.50
5-27	541a		2	10.50
5-28	549a		2	10.50
5-29	554a		2	10.50
5-30	641a		2	10.50
5-31	610a		2	10.50
June				
6-1	551a	4.5	2	9.00
6-2	543a		2 1/8	9.27
6-3	550a		2 1/8	9.27
6-5	552a		2 1/8	9.27
6-6	533a		2 1/8	9.27
6-7	857a		2 1/8	9.27
6-8	551a		2 1/8	9.27
6-9	536a		2	9.00
6-10	541a		2	9.00

1931

Date	Time	Area	GH.	Cfs.
June				
6-11	552a	4.5	2	9.00
6-12	607a		2 1/8	9.27
6-13	554a		2 1/8	9.27
6-14	608a		2	9.00
6-15	615a		1 7/8	8.68
6-16	524a		1 3/4	8.41
6-17	606a		1 3/4	8.41
6-18	528a		1 7/8	8.68
	611p		2 1/8	9.27C
6-19	613a		1 7/8	8.68
6-20	546a		1 3/4	8.41
6-21	611a		1 7/8	8.68
6-22	552a		2	9.00C
6-23	612a		1 3/4	8.41
6-24	632a		1 3/4	8.41
6-25	614a		1 5/8	8.10
6-26	611a		1½	7.78
6-27	637a		1½	7.78
6-28	1051a		1½	7.78
6-30	607a		1½	7.78
July				
7-1	544a	3.75	1 3/4	7.01
7-2	641a		1 3/4	7.01
7-3	606a		1 3/4	7.01
7-4	540a		1 3/4	7.01
7-5	927a		1 3/4	7.01
7-6	611a		1½	6.48
7-7	606a		1 3/8	6.22
7-8	554a	3.00	2 1/8	6.18
7-9	629a		2	6.00
7-10	541a		2	6.00
7-11	551a		2 1/4	6.36
7-12	604a		2 1/4	6.36
7-13	600a		2 1/4	6.36
7-14	616a		2	6.00
7-15	555a		2 1/4	6.36
7-16	557a		2 1/4	6.36
7-17	612a		2	6.00
7-19	643a		2 1/8	6.18
7-20	625a		2 1/8	6.18
7-21	648a		1 7/8	5.79
7-22	618a		1 7/8	5.79
7-23	600a		1 7/8	5.79
7-24	614a		2	6.00
7-25	553a		2	6.00
7-26	955a		2	6.00
7-27	539a		1 3/4	5.61
7-28	556a		1 3/4	5.61
7-29	630a		1 3/4	5.61
7-30	605a		1 3/4	5.61
7-30	Mudslide blocks river off at 729p.			
7-31	Some water by slide.			
August.				
8-1	Railway Company removing slide, in afternoon.			
8-1	806a		1½	5.19
8-2	1140a		1 3/4	5.61
8-3	636a		1 7/8	5.79
8-4	608a		2	6.00

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TIMPANOGUS CANAL COMPANY CANAL.

1931 Date	Time	Area	GH.	Cfs.
August.				
8-5	612a	3.00	2 1/8	6.18
8-6	640a		2 1/4	6.36
8-7	1236a		2 1/8	6.18
8-8	613a		2 1/4	6.36
8-9	644a		2	6.00
8-10	632a		2	6.00
8-11	600a		2	6.00
8-12	623a		2	6.00
8-13	625a		1 3/4	5.61
8-14	615a		2	6.00
8-15	601a		1 3/4	5.61
8-16	848a		1 3/4	5.61
8-17	628a		1 7/8	5.79
8-18	1032a		1½	5.19
8-20	634a		1 3/4	5.61
8-21	1028a		2	6.00
8-22	1020a		2	6.00
8-23	1145a		2	6.00
8-24	631a		2	6.00
8-25	104p		2	6.00
8-26	653a		1 3/4	5.61
8-27	700a		1 3/4	5.61
8-28	658a		1½	5.19
8-29	647a		1 5/8	5.40
8-30	927a		2	6.00
8-31	630a		2	6.00
September				
9-1	643a		2	6.00
9-2	642a		2 1/8	6.18
9-3	644a		2	6.00
9-4	636a		2	6.00
9-5	634a		2	6.00
9-6	1009a		2 1/4	6.36
9-8	702a		2 1/8	6.18
9-9	714a		2	6.00
9-10	917a		2	6.00
9-11	708a		2	6.00
9-12	621a		2	6.00
9-13	1036a		2	6.00
9-14	714a		2	6.00
9-15	713a		2	6.00
9-16	638a		2	6.00
9-18	658a		2	6.00
9-20	915a		2	6.00
9-22	834a		2	6.00
9-24	220p		2	6.00
9-25	814a		2	6.00
9-27	834a		2	6.00
9-29	830a		2 1/8	6.18
9-30	316p		2 1/8	6.18
October.				
10-4	954a		2 1/4	6.36
10-5	548p		2 3/8	6.54
10-9	542p		2½	6.69
10-12	110p		2½	6.69
November.				
11-1	821a		2	6.00

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C.R.1931.

WEST UNION CANAL.

Park & Nuttal Ditch. Barton & Young Ditch.

River Gage Below West Union Dam.

Note:- Park & Nuttal and Barton & Young Ditches were run in connection with rotating stream in West Union, down to Carter Point.

West Union Canal 1' x 12' Suppressed weir.
Park & Nuttal and Barton & Young, 0.75' x 3' Suppressed Weir, Part of Park & Nuttal time was taken thru new ditch, 2' Rectangular Weir.

1931.		West Union		PARK-&N.Y.		Barton & Y.		Total	River
Date	Time	GH.	Cfs.	GH.	Cfs.	GH.	Cfs.	Cfs.	Gage.
April									
4-14	635a	50	15.36		3.00		00	18.36	50
	1028a	64	22.56						
4-15	831a	60	20.28		3.00		00	23.28	38
4-16	628a	50	15.36R		2.-			17.36	33
	351p	57	18.84		2.			20.84	35
4-17	614a	59	19.80		2.-			21.80	34
4-18	624a	54	17.28						35
4-20	621a	53	16.80		2.-			18.80	34
4-21	622a	57	18.84		00		2.1-	20.94	32
4-22	316p	53	16.80						31
4-24	833a	67	24.12						40
4-26	1155a	59	19.80		00		00	19.80	31
4-27	526a	64	22.56		00		00	22.56	34
4-28	616a	59	19.80		00		00	19.80	34
4-29	615a	50	15.36	40	2.79		00	18.15	31
May									
5-1	942a	50	15.36		3.-				34
5-2	938a	56	18.36		1.0			19.36	36
5-3	908a	58	19.32		00		00	19.32	31
5-4	558a	65	23.04		00		00	23.04	34
	1051a	59	19.80						32
5-5	551a	57	18.84		00		00	18.84	30
5-6	628a	59	19.80		00		00	19.80	31
5-7	1130a	52	16.32	38	2.58			18.90	31
5-8	617a	60	20.28		00		3.-	23.28	34
5-9	625a	58	19.32		3.-			22.32	36
5-10	930a	58	19.32		3.-			22.32	34
5-11	556a	58	19.32		00		00	19.32	33
5-12	548a	54	17.28		0		0	17.28	31
5-13	806a	56	18.36		0		0	18.36	33
5-14	558a	62	21.36		0		0	21.36	38
	427p	76	29.40						44
5-15	538a	75	28.80		0		0	28.80	42
5-16	623a	80	31.92		5.5-		0	37.42	56
5-17	541a	86	35.76						56
5-18	430p	88	37.08						62
5-19	748p	86	35.76						52
5-20	606a	82	33.12						46
5-21	224p	70	25.80		0		0	25.80	38
5-22	535a	56	18.36		0		0	18.36	30
5-23	608a	56	18.36		0		0	18.36	30
5-24	845a	52	16.32	30	1.80		0	18.12	31
5-25	524a	56	18.36						31
5-26	601a	60	20.28	48	3.81		0	24.09	39
	712p	70	25.80	48	3.81				41
5-27	525a	64	22.56		3.-			25.56	41
5-28	538a	64	22.56		0		0	22.56	35
5-29	545a	56	18.36		0		0	18.36	35
5-30	636a	57	18.84		0		0	18.84	36
5-31	559a	54	17.28		0		0	17.28	34

WEST UNION CANAL.-2-

1931 Date	Time	West Union. GH.	West Union. Cfs.	Park& N. GH.	Park& N. Cfs.	Barton & Y. GH.	Barton & Y. CFS.	Total Cfs.	River Gage.
June									
6-1	542a	56	18.36		0		0	18.36	35
6-2	534a	54	17.28		3.-A		0	20.28	36
6-3	545a	51	15.84	42	3.0		0	18.84	33
6-4	611a	49	14.88	42	3.		0	17.88	33
6-5	547a	50	15.36		3.		0	18.36	33
6-6	529a	56	18.36		0		0	18.36	32
6-7	819a	55	17.76		0		0	17.76	33
6-8	608a	58	19.32		0		0	19.32	35
6-9	530a	58	19.32		0		0	19.32	34
6-10	536a	50	15.36	42	3.0			18.36	33
6-11	543a	50	15.36		0	40	2.79	18.15	32
6-12	600a	50	15.36						34
6-13	529a	46	13.56						32
6-14	602a	50	15.36		0		0	15.36	31
6-15	601a	48	14.40		0		0	14.40	30
6-16	520a	50	15.36		0		0	15.36	31
6-17	546a	46	13.56		0		0	13.56	29
	617p	48	14.40						31
6-18	520a	47	13.92		0		0	13.92	29
	547p	44	12.60	37	2.49		0	15.09	32
6-19	600a	44	12.60	37	2.49			15.09	32
6-20	541a	44	12.60	37	2.49			15.09	30
6-21	601a	46	13.56						31
6-22	538a	50	15.36	37	2.49			17.85	32
6-23	548a	56	18.36		0		0	18.36	31
6-24	626a	49	14.88						30
6-25	607a	44	12.60		0		0	12.60	27
6-26	603a	44	12.60		0		0	12.60	27
6-27	630a	39	10.56	37	2.49			13.05	27
6-28	1026a	44	12.60		0	33	2.10	14.70	27
6-29	1000a	44	12.60	P	2.24			14.84	28
6-30	601a	43	12.24	P	2.24		0	14.48	29
July									
7-1	529a	40	10.92	33	2.10		0	13.02	26
7-2	622a	44	12.60		0		0	12.60	27
7-3	602a	45	13.08		0		0	13.08	27
7-4	527a	40	10.92		0		0	10.92	25
7-6	528a	34 R	8.16	33	2.10			10.26	23
	1005a	40	10.92		0		0	10.92	26
7-7	553a	36	9.36	38	2.58			11.94	25
7-8	545a	40	10.92	P	2.-		0	12.92	23
7-9	614a	37	9.72	33	2.10			11.82	24
7-10	533a	42	11.76		0		0	11.76	27
7-11	547a	43	12.24		0		0	12.24	28
7-12	618a	42	11.76						28
7-13	538a	40	10.92		0		0	10.92	27
7-14	557a	37	9.72	P	1.74			11.46	25
7-15	548a	38	10.08		0	32	1.98	12.06	25
7-16	548a	36	9.36	P	1.74		0	11.10	
7-17	606a	36	9.36	30	1.80		0	11.16	26
7-18	1132a	43	12.24						28
7-19	639a	42	11.76		0		0	11.76	27
7-20	606a	38	10.08		0		0	10.08	27
7-21	644a	40	10.92		0		0	10.92	27
7-22	614a	38	10.08		0		0	10.08	27
7-23	556a	35	9.00	30	1.80		0	10.80	27
7-24	552a	37	9.72	30	1.80		0	11.52	28
7-25	544a	34	8.64	P	1.98		0	10.62	26
7-26	826a	33	8.16	33	2.10			10.26	26
7-27	528a	38	10.08		0		0	10.08	27
7-28	541a	38	10.08		0		0	10.08	29
7-29	600a	40	10.92		0		0	10.92	30

WEST UNION CANAL.-3-

1931 Date	Time	West Union GH.	West Union CFs.	Park &N. GH.	Park &N. Cfs.	Barton & Y. GH.	Barton & Y. Cfs.	Total Cfs.	River Gage.
7-30	601a	40	10.92	Mudslide in canyon.					29
August.									
8-1	758a	41	11.40						
8-2	1130a	46	13.56			34	2.19	15.75	35
8-3	625a	37	9.72	P	1.80			11.52	32
8-4	601a	38	10.08	35	2.31		0	12.39	32
8-5	607a	44	12.60						36
8-6	623a	45	13.08		0		0	13.08	38
8-7	1223p	46	13.56		0		0	13.56	35
8-8	600a	43	12.24		0		0	12.24	33
8-9	640a	41	11.40		0		0	11.40	31
8-10	620a	35	9.00	36	2.40			11.40	31
8-11	552a	34	8.64	33	2.10			10.74	29
8-12	608a	33	8.16	32	1.98			10.14	29
8-13	621a	36	9.36	P	1.80			11.16	31
8-14	604a	40	10.92		0		0	10.92	32
8-15	556a	40	10.92		0		0	10.92	33
8-16	936a	40	10.92						32
8-17	617a	40	10.92		0		0	10.92	32
8-18	813a	34	8.64	35	2.31			10.95	34
8-20	630a	36	9.36	P	1.80			10.16	34
8-21	1005a	36	9.36	30	1.80			10.16	35
8-22	917a	41	11.40		0		0	11.40	35
8-23	1138a	41	11.40		0		0	11.40	34
8-24	624a	40	10.92		0		0	10.92	34
8-25	112p	36	9.36						28
8-26	615a	38	10.08		0		0	10.08	29
8-27	628a	34	8.64	29	1.71			10.35	27
	530p	38	10.08				1.70	11.78	
	1000a	34	8.64	29	1.71				
8-28	645a	34	8.64	30	1.80			10.44	27
8-29	632a	38	10.08	P	1.80			11.88	30
8-30	900a	39	10.56	30	1.80			12.36	30
8-31	720a	47	13.92		0		0	13.92	33
September.									
9-1	625a	47	13.92		0		0	13.92	34
9-2	630a	42	11.76		0		0	11.76	28
9-3	614a	45	13.08		0		0	13.08	30
9-4	625a	38	10.08	30	1.80			11.88	30
9-5	628a	39	10.56	30	1.80			12.36	30
9-6	1000a	40	10.92	P	1.80			12.72	30
9-8	643a	40	10.92						27
9-9	634a	38	10.08						26
9-9	1134a	41	11.40						30
9-10	908a	42	11.76		0		0	11.76	30
9-11	652a	42	13.92		0		0	13.92	30
9-12	617a	42	11.76		0		0	11.76	30
9-13	1031a	40	10.92		0		0	10.92	28
9-14	636a	39	10.56	P	1.80		0	12.36	29
9-15	646a	43	12.24	30	1.80		0	14.04	32
9-16	632a	40	10.92	31	1.89		0	12.81	30
9-18	649a	44	12.60		0		0	12.60	30
9-20	907a	46	13.56		0		0	13.56	33
9-22	830a	46	13.56		0		0	13.56	32
9-24	212p	42	11.76	P	1.98		0	13.74	32
9-25	806a	42	11.76	P	1.98			13.74	32
9-27	846a	46	13.56						33
9-29	821a	46	13.56		0		0	13.56	35
9-30	305p	44	12.60			30	1.80	14.40	32
October.									
10-4	949a	45	13.08		0		0	13.08	34
10-5	521p	46	13.56		0		0	13.56	33
10-9	532p	42	11.76			30	1.80	13.56	33
10-12	1250p	38	10.08	P	3.0			13.08	
	Voluntarily reduced to present quantity.								
Nov.1,	816a	42	11.76						33

C.R.1931.

UPPER EAST UNION CANAL AND CITY CREEK.

Upper East Union Canal 1' x 7.78' Supp. Weir.
City Creek 1' x 10' Supp. Weir.

1931. Date.	Time	U.E.Union GH.	U.E.Union Cfs.	City Creek GH.	City Creek Cfs.
April.					
4-6	1050a	Cleaning.		63	18.30
4-14	702a	71	17.16	44	10.50
4-15	947a	62	13.88	40	9.10
4-16	638a	60	13.18	40	9.10
4-16	510p	55	11.54	36	7.80
4-17	628a	54	11.23	36	7.80
4-18	635a	53	10.92	34	7.20
4-20	642a	51	10.30	32	6.50
4-21	636a	52	10.61	32	6.50
4-22	250p	52	10.61	32	6.50
4-24	850a	54	11.23	49	12.40
4-26	1148a	54	11.23	33	6.80
4-27	602a	55	11.54	38	8.40
4-28	625a	55	11.54	37	8.10
4-29	625a	52	10.61	34	7.20
May					
5-1	902a	54	11.23	36	7.80
5-2	926a	52	10.61	36	7.80
5-3	916a	50	9.98	34	7.20
5-4	626a	61	13.57	38	8.40
	1124a	51	10.30	37	8.10
5-5	710a	50	9.98	34	7.20
5-6	638a	50	9.98	35	7.50
5-7	104p	51	10.30	36	7.80
5-8	630a	49	9.67	35	7.50
5-9	658a	51	10.30R	37	8.10R
5-10	1111a	51	10.30	36	7.80
5-11	606a	50	9.98	36	7.80
5-12	600a	47	9.05	34	7.20
5-13	851a	48	9.36	34	7.20
5-14	641a	53	10.92	40	9.10
	418p	70	16.77	52	13.60
5-15	555la	69	16.46	49	12.40
5-16	632a	70	16.77	51	13.20
5-17	547a	69	16.46	51	13.20
5-18	404p	80	20.75	80	26.60
5-19	744p	69	16.46	51	13.20
5-20	612a	68	16.07	48	12.00
5-21	237p	64	14.66	40	9.10
5-22	556a	50	9.98	34	7.20
5-23	616a	48	9.36	34	7.20
5-24	925a	47	9.05	35	7.50
5-26	617a	48	9.36	35	7.50
5-27	544a	51	10.30	38	8.40
5-28	553a	51	10.30	42	9.80
5-29	600a	49	9.67	36	7.80
5-30	646a	48	9.36	35	7.50
5-31	606a	46	8.81	33	6.80
June					
6-1	600a	45	8.50	34	7.20
6-2	547a	48	9.36	34	7.20
6-3	554a	46	8.81	32	6.50
6-4	632a	47	9.05	33	6.80
6-5	556a	47	9.05	34	7.20
6-6	537a	46	8.81	33	6.80
6-7	901a	46	8.81	34	7.20

1931 Date	Time	U.E.Union GH.	U.E.Union Cfs.	City Creek. GH.	City Creek. Cfs.
June					
6-8	547a	48	9.36	34	7.20
	620a	47	9.05	34	7.20
6-9	540a	49	9.67	35	7.50
6-10	545a	48	9.36	34	7.20
6-11	556a	46	8.81	34	7.20
6-12	611a	47	9.05	34	7.20
6-13	558a	47	9.05	34	7.20
6-14	612a	46	8.81	32	6.50
6-15	619a	45	8.50	32	6.50
6-16	528a	46	8.81	32	6.50
6-17	610a	45	8.50	32	6.50
6-18	532a	46	8.81	34	7.20
	615p	46	8.81	34	7.20
6-19	617a	43	7.96	31	6.20
6-20	552a	44	8.19	30	5.90
6-21	621a	44	8.19	31	6.20
6-23	616a	44	8.19	31	6.20
6-24	636a	43	7.96	30	5.90
6-25	618a	42	7.64	26	4.80
6-26	615a	42	7.64	29	5.60
6-27	641a	42	7.64	28	5.30
6-28	1055a	44	8.19	29	5.60
6-30	611a	43	7.96	29	5.60
July					
7-1	548a	42	7.64	28	5.30
7-2	645a	44	8.19	29	5.60
7-3	610a	43	7.96	29	5.60
7-4	548a	43	7.96	28	5.30
7-5	931a	43	7.96	29	5.60
7-6	615a	40	7.10	27	5.10
7-7	610a	42	7.64	28	5.30
7-8	558a	37	6.32	27	5.10
7-9	633a	38	6.55	27	5.10
7-10	541a	38	6.55	26	4.80
7-11	555a	38	6.55	28	5.30
7-12	608a	38	6.55	28	5.30
7-13	604a	38	6.55	27	5.10
7-14	620a	38	6.55	27	5.10
7-15	600a	37	6.32	27	5.10
7-16	601a	37	6.32	27	5.10
7-17	617a	37	6.32	27	5.10
7-18	1126a	37	6.32	27	5.10
7-19	900a	37	6.32	27	5.10
7-20	629a	37	6.32	26	4.80
7-21	658a	36	6.08	27	5.10
7-22	622a	36	6.08	26	4.80
7-23	604a	36	6.08	26	4.80
7-24	618a	36	6.08	27	5.10
7-25	557a	36	6.08	26	4.80
7-26	1001a	36	6.08	26	4.80
7-27	543a	36	6.08	26	4.80
7-28	600a	36	6.08	25	4.50
7-29	634a	36	6.08	26	4.80
7-30	611a	37	6.32	26	4.80
7-30	729p	Mudslide in canyon.			
7-31	Some water by slide in pm.				

C.R.1931.

UPPER EAST UNION CANAL AND CITY CREEK.

1931		U.E.Union		City Creek.	
Date	Time	GH.	Cfs.	Gh.	Cfs.
August.					
8-1	810a	36	6.08	25	4.50
8-2	1144a	44	8.19	35	7.50
8-3	640a	40	7.10	30	5.90
8-4	612a	35	5.85R	27	5.10R
8-5	617a	36	6.08	28	5.30
8-6	644a	36	6.08	27	5.10
8-7	1241a	39	6.86	29	5.60
8-8	617a	35	5.85	26	4.80
8-9	648a	37	6.32	25	4.50
8-10	636a	35	5.85R	25	4.50R
8-11	604a	36	6.08	26	4.80
8-12	627a	35	5.85	25	4.50
8-13	633a	35	5.85	25	4.50
8-14	619a	36	6.08	25	4.50
8-15	605a	35	5.85	25	4.50
8-16	844a	35	5.85	25	4.50
8-17	632a	35	5.85	24	4.30
8-18	1036a	36	6.08	25	4.50
8-20	638a	37	6.32	26	4.80
8-21	1032a	36	6.08	26	4.80
8-22	1024a	36	6.08	26	4.80
8-23	1149a	36	6.08	26	4.80
8-24	635a	35	5.85	25	4.50
8-25	108p	35	5.85	24	4.30
8-26	657a	34	5.62	24	4.30
8-27	704a	34	5.62	24	4.30
8-28	702a	34	5.62	24	4.30
8-29	651a	36	6.08	25	4.50
8-30	941a	36	6.08	25	4.50
8-31	634a	37	6.32	26	4.80
September.					
9-1	647a	38	6.55	27	5.10
9-2	646a	37	6.32	25	4.50
9-3	648a	37	6.32	26	4.80
9-4	640a	37	6.32	26	4.80
9-5	638a	37	6.32	26	4.80
9-6	1014a	37	6.32	26	4.80
9-8	705a	36	6.08	25	4.50
9-9	718a	34	5.62	23	4.00
9-11	712a	35	5.85	24	4.30
9-12	625a	35	5.85	24	4.30
9-13	1040a	35	5.85	24	4.30
9-14	718a	34	5.62	23	4.00
9-15	717a	37	6.32	25	4.50
9-16	642a	36	6.08	25	4.50
9-18	702a	36	6.08	25	4.50
9-20	1006a	37	6.32	26	4.80
9-22	838a	38	6.55	27	5.10
9-24	224p	38	6.55	26	4.80
9-25	818a	37	6.32	26	4.80
9-27	838a	36	6.08	25	4.50
9-29	834a	39	6.86	27	5.10
9-30	312p	38	6.55	28	5.30
October.					
10-4	958a	38	6.55	28	5.30
10-5	552p	37	6.32	27	5.10
10-9	546p	40	7.10	29	5.60
10-12	114p	42	7.64	31	6.20
November.					
11-1	826a	51	10.30	39	8.80

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C.R.1931.

PROVO CITY IRRIGATION

East Union and Tanner Race 1' x 8' Suppressed Weir.
City Race 8' Rating Flume to July 7, then .75½ x 8' Sup.Wr.

1931 Date	East Union Time	GH	CFS	Factory R. cfs.	City Race Time	GH.	Cfs.	Tanner Race Time	GH.	Cfs.	Total Cfs.
April											
4-14	722a	62	14.24	18.00	726a	80	11.10	736a	41	7.60	50.94
4-15	1002a	56	12.24	5.-	1006a	77	10.10				
4-16	653a	56	12.24	3.	657a	77	10.10	705a	42	7.84	33.18
4-17	641a	54	11.52	3.	645a	77	10.10	654a	38	6.72	31.34
4-18	649a	56	12.24	3	653a	74	9.20	707a	32	5.20	29.64
4-20	700a	56	12.24	3	704a	74	9.20				
4-21	656a	58	12.88	3	700a	76	9.80	710a	34	5.76	31.44
4-27	617a	66	15.76	3	621a	74	9.20	630a	28	4.24	32.20
4-28	638a	66	15.76	3	642a	74	9.20	652a	26	3.84	31.80
4-29	640a	66	15.76	3	644a	73	8.90	656a	26	3.84	31.50
May											
5-1	848a	64	15.04	3	844a	73	8.90	835a	32	5.20	32.14
5-4	642a	66	15.76	3	646a	75	9.50	655a	38	6,72	34.98
5-5	614a	64	15.04	3	618a	70	8.00	627a	33	5.44	31.48
5-6	700a	66	15.76	3	704a	71	8.30	712a	31	4.96	32.02
5-8	644a	64	15.04	3	648a	72	8.60	657a	31	4.96	31.60
5-10	1124a	60	13.52	3	1128a	72	8.60				
5-12	614a	64	15.04	3	618a	72	8.60	627a	32	5.20	31.84
5-13	915a	64	15.04	3	919a	72	8.60	929a	34	5.76	32.40
5-14	654a	67	16.08	3	658a	76	9.80				
5-15	606a	70	17.20	3	610a	89	14.60				
5-15	427p	74	18.80	4	431p	90	15.00	444p	46	9.04	46.84R
5-16	647a	74	18.80	4	651a	90	15.00	700a	47	9.28	47.08
5-21	306p	63	14.64	3	310p	80	11.10	319p	38	6.72	35.46
5-22	617a	60	13.52	3	621a	83	12.20	630a	35	6.00	34.72
5-23	630a	67	16.08	3	634a	74	9.20	643a	31	4.96	33.24
5-24	958a	68	16.48	3	1002a	75	9.50	1012a	29	4.48	33.46
5-26	646a	70	17.20	3	650a	79	10.70	701a	30	4.72	35.62
5-27	620a	70	17.20	3	624a	83	12.20	635a	35	6.00	38.40
5-28	615a	65	15.36	3	619a	72	8.60	642a	26	3.84	30.80
5-29	616a	64	15.04	3	620a	74	9.20	642a	30	4.72	31.96
June											
6-1	616a	66	15.76	3	620a	75	9.50	631a	30	4.72	32.98
6-2	602a	67	16.08	3	606a	78	10.61	630a	30	4.72	34.41
6-3	614a	64	15.04	3	618a	71	8.30	629a	28	4.24	30.58
6-4	1245p	63	14.64	3	1249p	70	8.00	100p	28	4.24	29.88
6-5	613a	63	14.64	3	617a	74	9.20	628a	31	4.96	31.80
6-7	915a	64	15.04	3	919a	73	8.90	932a	27	4.08	31.02
6-8	800a	64	15.04	3	804a	74	9.20	819a	30	4.72	31.96
6-9	612a	65	15.36	3	616a	75	9.50	626a	31	4.96	32.82
6-11	618a	60	13.52	3	622a	69	7.70	632a	26	3.84	30.06* PBT 2.
6-12	626a	61	13.92	3	630a	69	7.70	642a	34	5.76	30.38
6-13	612a	62	14.24	3	616a	74	9.20	628a	27	4.08	30.52
6-14	628a	60	13.52	2	632a	71	8.30	644a	28	4.24	28.06
6-15	632a	60	13.52	2	636a	70	8.00	647a	25	3.60	27.12
6-16	543a	61	13.92	2	547a	71	8.30	600a	25	3.60	27.82
6-17	628a	60	13.52	2	632a	69	7.70	644a	22	2.96	26.18
6-18	557a	60	13.52	2	602a	70	8.00	614a	22	2.96	26.48
6-19	633a	60	13.52	2	637a	69	7.70	648a	26	3.84	27.06
6-20	608a	58	12.88	2	612a	69	7.70	623a	25	3.60	26.18
6-21	635a	60	13.52	2	639a	69	7.70	650a	24	3.36	26.58
6-22	611a	58	12.88	2	615a	69	7.70	628a	24	3.36	25.94
6-23	632a	57	12.56	2	636a	68	7.40	647a	21	2.80	24.76
6-24	652a	56	12.24	2	656a	66	6.80	707a	18	2.32	23.36
6-25	633a	55	11.84	2	637a	66	6.80	651a	15	1.76	22.40
6-27	700a	57	12.56	2	704a	65	6.50	717am	18	2.32	23.38
6-28	1111a	57	12.56	2	1115a	63	5.90	1137a	15	1.76	22.22
6-30	629a	56	12.24	2	633a	65	6.50	652a	16	1.92	22.66

PROVO CITY IRRIGATION.

Date	East Union Time	GH	Cfs.	Factory R. Cfs.*	City Race Time	GH	Cfs.	Tanner Race Time	GH	Cfs.	Total Cfs.
July											
7-1	604a	55	11.84	2	609a	62	5.60	617a	14	1.60	21.04
7-2	706a	54	11.52	2	710a	63	5.90				
7-3	626a	55	11.84	2	630a	64	6.20				
7-4	606a	54	11.52	2	610a	60	5.00	707a	14	1.60	20.12
7-5	954a	54	11.52	2	958a	62	5.60				
7-6	630a	54	11.52	2	634a	62	5.60	716a	14	1.60	20.72
7-7	627a	53	11.20	2	630a	60	5.00	642a	13	1.44	19.64
7-7					Put in weir						
7-8	616a	50	10.24	2	620a	29	4.56	730a	17	2.08	18.88
7-9	648a	44	8.40	2	652a	29	4.56	700a	17	2.08	17.04
7-10	600a	50	10.24	2	604a	34	5.84	701a	12	1.28	19.36
7-11	611a	50	10.24	2	615a	34	5.84	627a	14	1.60	19.68
7-13	620a	50	10.24	2	624a	33	5.60	700a	12	1.28	19.12
7-14	644a	46	9.04	2	648a	31	5.04	700a	12	1.28	17.36
7-15	616a	49	9.92	2	621a	31	5.04	637a	15	1.76	16.72
7-16	623a	48	9.60	2	627a	29	4.56	650a	15	1.76	17.92
7-17	634a	46	9.04	2	638a	27	4.08	647a	16	1.92	17.04
7-18	908a	46	9.04	2	904a	27	4.08	850a	15	1.76	16.88
7-19	913a	47	9.28	2	917a	30	4.80	926a	14	1.60	17.68
7-20	646a	47	9.28	2	650a	29	4.56	705a	14	1.60	17.44
7-21	713a	46	9.04	2	717a	29	4.56	725a	12	1.28	16.88
7-22	636a	46	9.04	2	640a	27	4.08	720a	14	1.60	16.72
7-23	618a	43	8.16	2	622a	27	4.08				
7-24	632a	47	9.28	2	636a	29	4.56	715a	13	1.44	17.28
7-25	614a	47	9.28	2	618a	28	4.32	701a	14	1.60	17.20
7-26	1021a	45	8.72	2	1025a	26	3.92	1037a	14	1.60	16.24
7-27	600a	46	9.04	2	604a	25	3.68	615a	14	1.60	16.32
7-28	616a	46	9.04	2	620a	27	4.08	648a	12	1.28	16.40
7-29	647a	47	9.28	2	651a	31	5.04	704a	15	1.76	18.08
7-30	729p Mudslide in canyon. (See UP&LCo. Notes for details.)										
August.											
8-1	1212p	46	9.04	2	1216p	25	3.68	1227p	13	1.44	16.16
8-2	202p	48	9.60	2	158p	37	6.64	145p	16	1.92	20.16
8-3	654a	52	10.88	2	658a	43	8.32	733a	17	2.08	23.28
8-4	636a	50	10.24	2	640a	41	7.76	800a	20	2.64	22.64
8-5	633a	49	9.92	2	637a	50	10.48	724a	24	3.36	25.76
8-6	658a	54	11.52	2	702a	50	10.48	720a	28	4.24	28.24
8-7	1254p	54	11.52	2	1258p	43	8.32	112p	26	3.84	25.68
8-8	632a	54	11.52	2	636a	41	7.76	713a	24	3.36	24.64
8-9	711a	49	9.92	2	715a	35	6.16	831a	20	2.64	20.72
8-10	700a	50	10.24	2	704a	37	6.64	856a	22	2.96	21.84
8-11	621a	48	9.60	2	625a	34	5.84	635a	19	2.48	19.92
8-12	643a	49	9.92	2	647a	34	5.84	919a	17	2.08	19.84
8-13	647a	47	9.28	2	651a	33	5.60	857a	18	2.32	19.20
8-14	637a	47	9.28	2	641a	33	5.60	651a	18	2.32	19.20
8-15	619a	47	9.28	2	623a	35	6.16	633a	19	2.48	19.92
8-16	822a	49	9.92	2	818a	33	5.60	812a	19	2.48	20.00
8-17	647a	50	10.24	2	651a	39	7.20	706a	20	2.64	22.08
8-18	1051a	50	10.24	2	1055a	39	7.20	1143a	20	2.64	22.08
8-20	652a	50	10.24	2	656a	39	7.20	646a	20	2.64	22.08
8-21	1045a	50	10.24	2	1049a	39	7.20	1059a	20	2.64	22.08
8-24	648a	50	10.24	2	652a	37	6.64	848a	20	2.64	21.52
8-25	339p	47	9.28	2	335p	33	5.60	351p	12	1.28	18.16
8-26	712a	48	9.60	2	716a	35	6.16	726a	16	1.92	19.68
8-27	718a	47	9.28	2	722a	34	5.84	843a	15	1.76	18.88
8-28	716a	46	9.04	2	720a	31	5.04	843a	16	1.92	18.00
8-29	713a	48	9.60	2	717a	33	5.60	934a	16	1.92	19.12
8-31	500p	48	9.60	2	456p	37	6.64	448p	18	2.32	20.56

C.R.1931.

PROVO CITY IRRIGATION

1931	East Union			Fact-	City Race			Tanner Race			Total
Date	Time	GH	Cfs.	ory RCfs.	Time	GH.	Cfs.	Time	GH	Cfs.	Cfs.
September											
9-1	705a	49	9.92	2	709a	41	7.76	810a	18	2.32	22.00
9-2	700a	47	9.28	2	704a	36	6.40	714a	18	2.32	20.00
9-3	700a	48	9.60	2	704a	36	6.40	714a	17	2.08	20.08
9-4	654a	47	9.28	2	658a	33	5.60	712a	16	1.92	18.80
9-5	650a	46	9.04	2	650a	33	5.60	659a	16	1.92	18.56
9-8	718a	44	8.40	2	722a	30	4.80	825a	16	1.92	17.12
9-9	734a	43	8.16	2	738a	29	4.56	749a	17	2.08	16.80
9-10	629p	45	8.72	2	625p	33	5.60	638p	45	8.72	18.24
9-11	725a	46	9.04	2	729a	35	6.16	740a	15	1.76	18.96
9-12	640a	46	9.04	2	644a	33	5.60	700a	15	1.76	18.40
9-13	1054a	46	9.04	2	1058a	31	5.04	900a	16	1.92	18.00
9-14	733a	44	8.40	2	737a	32	5.28	748a	17	2.08	17.76
9-15	732a	46	9.04	2	736a	35	6.16	746a	17	2.08	19.28
9-16	656a	46	9.04	2	700a	35	6.16	830a	16	1.92	19.12
9-18	718a	44	8.40	2	722a	32	5.28	906a	20	2.64	18.32
9-20	1018a	46	9.04	2	1022a	40	7.44		21	2.80	21.28
9-22	852a	45	8.72	2	856a	40	7.44	906a	22	2.96	21.12
9-24	1226p	45	8.72	2	1222p	39	7.20	1210p	21	2.80	20.72
9-30	344p	43	8.16	2	348p	35	6.16	400p	21	2.80	19.12
October.											
10-5	604p	44	8.40	2	608p	43	8.32	624p	20	2.64	21.36
10-12	226p	42	7.84	2	222p	45	8.88	210p	22	2.96	21.68

* Factory Race Approximate constant. - - -

C.R.1931.

LOST CREEK AND BRIDAL VEIL FALLS

WATER DIVERTED TO CITY WATERWORKS

SYSTEM, SEASON OF 1931. SEC.FT.

Day	May	June	July	August	September
1	--	1.48	3.03	00	00
2	--	1.48	2.98	00	00
3	--	1.48	2.98	00	00
4	--	1.48	2.98	00	00
5	--	1.48	2.98	00	3.01 in 300p
6	--	1.48	2.98	00	3.01
7	--	1.86	2.98	00	3.01
8	--	1.86	2.98	00	3.01
9	--	1.86	2.98	00	3.01
10	--	1.86	2.98-off 830a	3.04-in 7pm	3.01
1	--	1.86	00	3.04	3.01
2	--	1.86	00	3.04	3.01
3	--	1.86	00	3.04	3.01
4	--	1.86	3.01-in 8am.	3.04	3.01-off8pm
5	--	1.86	3.01	3.04	00
6	--	1.86	3.01	3.04	00
7	--	1.86	3.01	3.04	00
8	--	1.86	3.01	3.04	00
9	--	1.61	3.01	3.04-off 4p	00
20	1.48	1.61	3.01	00	00
1	1.48	1.61	3.01	00	00
2	1.48	1.61	3.01	00	00
3	1.48	1.61	3.01	00	00
4	1.48	2.75	3.01	3.01-in1145a	00
5	1.48	3.58	3.01	3.01	00
6	1.48	3.58	3.01	3.01	00
7	1.79	3.08	3.01	3.01	00
8	1.63	3.18	3.01	3.01	00
9	1.48	3.18	3.01	3.01	00
30	1.48	3.18	3.01-off915a	3.01	00
1	1.48	---	00	3.01-off M	--

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C.R.1931.

LITTLE DRY CREEK COMPANY CANAL.

4' Cipp. Weir.

1931 Date	Time	GH.	Cfs.
April			
4-14	747a	50	4.76
4-16	716a	64	6.90
4-17	706a	64	6.90
4-18	717a	48	4.48
4-21	722a	49	4.62
4-27	641a	59	6.10
4-28	702a	54	5.34
May			
5-1	825a	48	4.48
5-4	705a	50	4.76
5-5	636a	48	4.48
5-6	725a	48	4.48
5-8	711a	46	4.20
5-12	640a	53	5.20
5-15	454p	77	9.10
5-22	641a	56	5.64
5-24	1024a	45	4.06
5-28	652a	54	5.34
June			
6-1	642a	64	6.90
6-2	642a	50	4.76
6-3	639a	53	5.20
6-5	636a	53	5.20
6-7	943a	50	4.76
6-11	644a	54	5.34
6-14	700a	47	4.34
6-17	654a	48	4.48
6-20	637a	41	3.54
6-23	700a	40	3.41
6-25	1130a	40	3.41
6-27	732a	40	3.41
6-30	700a	40	3.41
July			
7-4	720a	40	3.41
7-6	726a	40	3.41
7-7	656a	46	4.20
7-8	745a	38	3.16
7-11	640a	37	3.03
7-13	710a	35	2.79
7-15	647a	42	3.66
7-17	657a	42	3.66
7-19	936a	38	3.16
7-21	955a	39	3.28
7-22	730a	39	3.28
7-24	735a	36	2.91
7-27	850a	36	2.91
7-28	658a	44	3.93
7-29	714a	35	2.79

1931 Date	Time	GH.	Cfs.
August.			
8-2	800a	33	2.55
8-4	810a	42	3.66
8-6	832a	65	7.06
8-7	121p	48	4.48
8-8	822a	42	3.66
8-9	821a	42	3.66
8-12	929a	43	3.80
8-13	910a	34	2.67
8-18	1156a	38	3.16
8-20	815a	37	3.03
8-24	837a	38	3.16
8-26	740a	38	3.16
8-27	829a	37	3.03
8-28	826a	38	3.16
8-29	945a	35	2.79
8-31	438p	32	2.44
September			
9-1	755a	35	2.79
9-2	725a	35	2.79
9-3	724a	34	2.67
9-4	757a	34	2.67
9-8	813a	36	2.91
9-9	758a	32	2.44
9-10	650p	31	2.32
9-11	400p	33	2.55
9-13	850a	35	2.79
9-15	948a	35	2.79
9-16	842a	35	2.79
9-18	852a	40	3.41
9-20	1058a	40	3.41
9-22	917a	40	3.41
9-24	12M	38	3.16
9-30	411p	38	3.16
October			
10-5	634a	36	2.91
10-9	428p	40	3.41
10-12	200p	42	3.66

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C.R.1931.

LAKE BOTTOM CANAL
FORT FIELD CANAL.
SPRING CREEK DITCHES.

1931	Lake Bottom Canal				Fort Field		Spring Creek		Total
Date	Time	Area	GH	Cfs.	Time	Cfs.	Time	Cfs.	Cfs
April									
4-17	821a	3	2	6.00	800a	3.50	8-9a	4.30	14.80
4-21	835a		1 3/4	5.61					
4-28	800a	4	2 3/4	9.36	7.35a	4.50	817a	1.75	15.61
May									
5-4	810a		2	8.00	744a	4.			
5-7	830a		1/4	4.00					
5-8	12M		1½	6.92					
5-10	1155a		1 1/4	6.32					
5-12	1015a		1/2	4.00	1012a	2.60	10-11a	2.80	9.40
5-13	955a		1 3/4	7.48					
5-14	800a		1½	6.92					
5-16	1218p		1½	6.92	12M	3.9			
5-22	805a	6	½	6.00	755a	3.85	819a	2.	11.85
5-26					757a	2.3			
5-28	755a	4½	2 1/4	11.02	740a	2.05			
5-29	838a		3/4	5.49					
June									
6-3	850a		1 3/8	7.47	835a	2.1	928a	4.5	14.07
6-9	800a		1 1/8	6.75	831a	2.95			
6-11	804a		7/8	5.94	746a	2.9	835a	3.75	11.69
6-14	914a		1 3/4	8.41					
6-18					622a	2.05			
6-20	1227p		½	4.50	115p	3.05	1100a	3.	10.55
6-21	800a		3/4	5.49	742a	2.7			
6-23	838a		5/8	5.04	820a	3.08	838a	2.6	10.74
6-25					745a	3.35			
6-27	816a		3/4	5.49	800a	3.05		3.Ap.	11.54
6-28	1230p		½	4.50	[illegible]	2.08	WS.	3.	10.58
6-30	1116a		1/4	3.19	1047a	2.6	1130a	2.8	8.59
July									
7-3	Lake Bottom and Spring Creek on one schedule.								
7-3					1015a	2.42			
7-7	224p		1	6.34		2.5		00	8.84
7-8	710a		1 1/4	7.11		2.5			
7-9	730a		3/4	5.49	746a	1.97			7.46
7-10	620a		1 3/4	8.41					
7-11	732a		1 3/4	8.41	713a	2.18			10.59
7-13	640a		1¼	7.78	805a	2.18			9.96
7-15					832a	3.42			
7-17					711a	2.7			
7-18	928a		7/8	5.94					
7-19	1010a		1	6.34	955a	2.18			8.52
7-20	740a		7/8	5.94					
7-21	936a		3/4	5.49	WS	2.2			7.69
7-22	704a		1 1/8	6.75	832a	2.7		00	9.45
7-23	642a		1¼	7.78					
7-24	700a		1 1/4	7.11					
7-27				00	9[illegible]	2.5	9-10a	5.8	8.30
7-28	400p	3	1 7/8	5.79	415p	2.			7.79
7-29	900a		2	6.00	928a	2.		00	8.00
August									
8-2	147p		2 1/4	6.36					
8-3	713a		2 3/8	6.54					
8-4					830a	2.65			
8-5					706a	3.05			
8-8	658a	(1 5/8)		5.40	810a	3.8			9.20
8-9	806a	3	1 3/8	4.98	806a	3.8			
8-10	919a		1.3/8	4.98	820a	2.8			7.78
8-12	749a		7/8	3.96	730a	2.			

C.R.1931.

LAKE BOTTOM CANAL
FORT FIELD CANAL.
SPRING CREEK DITCHES.

1931.	Lake Bottom Canal				Fort Field		Spring Creek		
Date	Time	Area	GH.	Cfs.	Time	Cfs.	Time	Cfs.	Total Cfs.
August.									
8-13	715a	3	1 1/4	4.74					
8-17	~~xxxx~~				825a	2.		7.	9.00
8-18	1125a	2		6.00		2.-			8.00
8-20	717a	2		6.00	832a	2.			8.00
8-24	752a	2	1/4	6.36	740a	2.			8.36
8-29	826a	1	7/8	5.79	804a	2.			7.79
September									
9-1	832a	2	3/4	7.02	737a	2.4			9.42
9-4	831a	1½		5.19	831a	2.			7.19
9-8	825a	1		4.23	800a	2.1		00	6.33
9-9	830a	1		4.23	847a	1.7			5.93
9-15	930a	1	1/4	4.74	WS	2.			6.74
9-20	1040a	1	5/8	5.40					
9-30	510p	2½		6.69	448p	2.7			9.39

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Note: Begining July 3rd, Spring Creek users and Lake Bottom Canal, put on one schedule; Spring Creek, 3 days 9 hours,-- Lake Bottom Canal 7 days 3 hours.
In addition to old heading of Fort Field, approximately 1 cfs, was diverted about 400 feet below bridge, part of time, and after July 28th, some flow was pumped to canal at highway bridge.

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TANNER DRAIN.

1931. Date	Cfs.
6-3	3.08
6-14	2.36
7-10	2.28
8-29	1.77

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C.R. 1931.

OUTLINE OF DISTRIBUTION

SECOND DISTRICT WASATCH DIVISION.

Name	Classes April 15 to Sept. 15						May 1 to Aug.10.	
	1st	11th	12th	13th	14th	15th	16th	17th	Total
Wasatch Irrig.Co. Canal	46.67a	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	20.83	67.50
North Field Ir.Co	35.71	5.95	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	20.83	62.50
Timpanogus Ir.Co.	. . . . .	. . . . .	. . . . .	. . . . .	38.33a	. . . . .	16.67	25.	80.00
Extension Ir. Co.	. . . . .	. . . . .	. . . . .	. . . . .	13.33	. . . .	. . . .	6.67	20.00
Sagebrush Ir.Co.	. . . .	. . . .	8.33	...	....	...	...	4.17	12.50
Midway Ir.Co.and Wilson	5.00	...	...	12.17		20.00	..	"X"	"X"
Totals	87.38	5.95	8.33	12.17	51.66	20.00	16.67	77.50b	242.50b

Note:- 'a'5.cfs included for losses.
"X" Depends on flow of Snake Creek.
"B" Exclusive of "X"

Sept.15 to April 15th, total of 1st class is 81.07 cfs.

C.R.1931.

SECOND DISTRICT WASATCH DIVISION.

WASATCH DAM TO MIDWAY UPPER DAM INCLUSIVE.

Date	Total Cfs.	Storage Cfs.	Tunnel Cfs.	Weber River cfs	Natural River Cfs.	Remarks.
April						
4-18	132.14	00	9.5	00	122.64	8.81 of 14th Class
4-19	132.88		9.5		133.38	9.55 " "
4-20	140.14		9.5		130.64	16.81 " "
4-21	141.63		9.5		132.13	18.30 " "
4-22	135.99		9.5		126.49	12.66 " "
4-23	142.23		9.5		132.73	18.90 " "
4-25	151.56		9.5		142.06	28.23 " "
4-26	145.54		9.5		136.04	22.21 " "
4-27	136.22		9.5		126.72	12.89 " "
4-28	137.37		9.5		127.87	14.04 " "
4-29	141.14		9.5		131.64	17.81 " "
4-30	146.30		9.5		136.80	22.97 " "
May						
5-1	146.95		9.5		137.45	23.62 " "
5-2	144.67		"		135.17	21.34 " "
5-3	160.81		"		151.31	37.48 " "
5-4	179.32		10.7		168.62	3.13 of 15th
5-5	170.91		"		160.21	46.38 of 14th
5-6	183.04		"		172.34	6.85 of 15th
5-7	225.37		"		214.67	12.51 over 16th
5-9	233.85		"		223.15	20.99 " "
5-9	199.32		"		188.62	3.13 of 16th
5-10	198.86		"		188.16	2.67 " "
5-11	181.91		"		171.21	5.72 of 15th.
5-12	198.88		"		188.18	2.69 of 16th.
5-13	240.45a		"			
5-14	217.14a		"			
5-15	204.89a		"			
5-16	255.24a		"			
5-17	276.85a		"			
5-18	269.25a		"	62		
5-19	234.48a		"	40		
5-20	236.53a		"	40		
5-21	237.67a		"	40		
5-22	243.24a		"	40		
5-23	246.39		"	40	195.69	10.20 of 16th.
5-24	275.31		"	40	224.61	22.45 of 17th.
5-25	304.68		"	40	253.98	51.82 " "
5-26	274.98		"	00	264.28	62.12 " "
5-27	258.73		"	40	248.03	45.87 " "
5-28	224.24		"	40	213.54	11.38 " "
5-29	198.61		"	40	187.91	2.42 of 16th.
5-30	183.33		"		172.63	7.14 of 15th.
5-31	203.98		9.5		194.48	8.99 of 16th.

Note: a Quantity diverted by Wasatch, North Field, Timpanogus and Midway River Ditch.
5-13 to 5-22 Quantity by to lower river, not determined.

C.R.1931.

SECOND DISTRICT WASATCH DIVISION

WASATCH DAM TO MIDWAY UPPER DAM INCLUSIVE.

Date 1931	Total Cfs.	Storage Cfs.	Tunnel Cfs.	Weber River Cfs.	Natural River Cfs.	Remarks.
June						
6-1	219.24	+25.	9.5		234.74	32.58 of 17th.
6-2	204.78	+25.	"		220.28	18.12 " "
6-3	190.94	+25.	"		206.44	4.28 " "
6-4	175.76	+25	"	15	176.26	10.77 of 15th
6-5	176.84	4.8	"	15	147.74	33.71 of 14th.
6-6	165.98	4.8	"	15	136.88	22.85 " "
6-7	155.42	28.8	"	..	117.12	3.29 " "
6-8	159.14	28.8	"		120.84	7.01 " "
6-9	181.13	9.6	"		172.03	48.20 " "
6-10	174.60	43.2	9.5		122.90	8.07 " "
6-11	163.80	43.2	"		111.10	9.44 of 13th.
6-12	159.15	43.2	"		106.45	4.79 " "
6-13	158.65	43.2	"		105.95	4.29 " "
6-14	146.32	43.2	"		93.62	0.29 of 12th.
6-15	137.52	43.2	"		84.82	97 per cent of 1st.
6-16	121.42	43.2	"		68.72	79 " " " "
6-17	119.92	48.	"		62.4	71
6-18	121.15	48.	"		63.65	73
6-19	105.26	24	10.		71.26	82
6-20	95.94	24	"		61.94	71
6-21	94.74	24	"		60.74	69
6-22	88.05	24	"		54.05	62
6-23	90.94	24	"		56.94	65
6-24	77.95	24	"		43.95	50
6-25	77.40	24	"		43.40	50
6-26	76.95	24	"		42.95	49
6-27	82.02	26.9	"		45.12	52
6-28	71.34	26.9	"		34.44	39
6-29	72.51	26.9	"		35.61	41
6-30	81.72	26.9	10.		44.82	51
July						
7-1	70.89	26.9	10.		33.99	39 per cent of 1st.
7-2	55.23	26.9	"		18.33	21
7-3	55.08	26.9	"		18.18	21
7-4	49.23	19.2	"		20.03	23
7-5	56.85	19.2	"		27.65	32
7-6	56.85	19.2	"		27.65	32
7-7	58.20	19.2	"		29.00	33
7-8	55.80	19.2	"		26.60	30
7-9	53.55	19.2	"		24.35	28
7-10	54.63	19.2	~~25x43~~		25.43	29
7-11	54.06	19.2	10.		24.86	28
7-12	44.28	9.6	"		24.68	28
7-13	38.88	9.6	"		19.28	22
7-14	43.53	9.6	~~25x23~~		23.93	27
7-15	30.18	9.6	10.		10.58	12
7-16	35.58	9.6	"		15.98	18
7-17	33.75	9.6	"		14.15	16
7-18	35.91	9.6	"		16.31	19
7-19	33.09	9.6	"		13.49	15
7-20	34.71	9.6	6.7		18.41	21
7-21	33.60	9.6	6.7		17.30	20
7-22	35.76	9.6	"		19.46	22
7-23	31.47	9.6	"		15.17	17
7-24	37.02	9.6	"		20.72	24
7-25	31.95	9.6	"		15.65	18
7-26	38.31	9.6	"		22.01	25
7-27	31.53	9.6	"		15.23	17
7-28	29.73	9.6	"		13.43	15
7-29	32.49	9.6	"		16.19	19
7-30	36.75	9.6	"		20.45	23
7-31	65.22	9.6	6.7		48.92	56

SECOND DISTRICT WASATCH DIVISION.

WASATCH DAM TO MIDWAY UPPER DAM INCLUSIVE.

Date 1931	Total Cfs.	Storage Cfs.	Tunnel Cfs.	Natural River Cfs.	Per Cent of 1st Class.
August.					
8-1	46.59	9.6	6.7	30.29	38
8-2	45.36	9.6	6.7	29.06	33
8-3	42.48	9.6	6.7	26.18	30
8-4	39.93	9.6	6.7	23.63	27
8-5	39.57	9.6	6.7	23.27	27
8-6	48.12	9.6	6.7	31.92	37
8-7	54.21	9.6	6.7	37.91	43
8-8	50.28	9.6	6.7	33.98	39
8-9	44.55	9.6	6.7	28.25	32
8-10	50.91	9.6	6.7	34.61	40
8-11	48.30	9.6	6.7	32.00	37
8-12	53.07	9.6	7.1	36.37	42
8-13	40.29	9.6	7.1	23.59	27
8-14	43.53	9.6	7.1	26.83	31
8-15	46.14	9.6	7.1	29.44	34
8.-16	40.74	9.6	7.1	24.04	28
8-17	41.28	9.6	7.1	24.58	28
8-18	39.39	9.6	7.1	22.69	26
8-19	41.19	9.6	7.1	24.49	28
8-20	42.18	9.6	7.1	25.48	29
8-21	44.37	9.6	7.1	27.67	32
8-22	43.44	9.6	7.1	26.74	31
8-23	35.82	9.6	7.1	19.12	22
8-24	30.51	9.6	7.1	13.81	16
8-25	36.33	4.8	7.1	24.43	28
8-26	28.65	4.8	7.1	16.75	19
8-27	33.03	4.8	7.1	21.13	24
8-28	31.74	4.8	7.1	19.84	23
8-29	34.35	00	7.1	27.25	31
8-30	26.38	00	7.1	19.28	22
8-31	47.14	00	7.1	40.04	46
September					
9-1	33.70	00	7.1	26.60	30
9-2	27.67		7.1	20.57	24
9-3	26.14		7.1	19.04	22
9-5	27.22		7.1	20.12	23
9-6	27.22		7.1	20.12	23
9-7	29.56		7.1	22.46	26
9-8	26.68		7.1	19.58	22
9-9	27.22		7.1	20.12	24
9-10	26.68		7.1	19.58	22
9-11	21.70		7.1	14.60	17
9-12	26.68		7.1	19.58	22
9-13	26.68		7.1	19.58	22
9-14	24.85		7.1	17.75	20
9-15	28.21		7.1	21.11	24
9-16	33.28		7.1	26.18	32
9-17	33.18		7.1	26.08	32
9-19	30.22		7.1	23.12	29
9-21	42.07		7.1	34.97	43
9-23	45.43		7.1	38.33	47
9-28	41.17		7.1	34.07	42
October.					
10-9	43.87		7.1	36.77	45.

Note:- One sec.ft of Tunnel water used by Fisher Bros. near Mouth of tunnel, and after July 20th 1.5 sec.ft diverted at Lee Ranch.
+25. June 1-4 Timpanogus storing 25 sec ft at reservoirs.

C.R.1931.

WASATCH CANAL?NORTH FILED CANAL? TIMPANOGUS IRRIGATION CANAL,

PROVO RESERVOIR COMPANY WEIR TO RIVER, WATER BY WASATCH DAM.

	Wasatch Canal			N.Field		P.R.Weir			Timpanogus			Was. Dam	Total
Date	Time	GH.	Cfs.	GH.	Cfs.	Time	GH.	Cfs.	Time	GH.	Cfs.	Cfs.	Cfs.
April													
4-13	1225p	46	20.34	77	36.15								
4-16	136p	82	49.68	47	16.95				150p	93	44.65		
4-18	815a	86	53.64	106	59.55								
4-19	655a	82	49.68	94	49.35	710a	72	19.53	725a	30	7.82	6.50	132.88
4-20	500p	94	61.74	88	44.55	515p	72	19.53			7.82	6.50	140.14
4-21	825a	92	59.76	84	41.40	835a	72	19.53		45	14.44	6.50	141.63
4-22	750a	88	55.62	82	39.90	800a	72	19.53	845a	45	14.44	6.50	135.99
4-23	1105a	92	59.76	90	46.05	1115a	73	19.98	1130a	35	9.94	6.50	142.23
4-24	920a	94	61.74	93	48.45								
4-25	930a	94	61.74	93	48.45	940a	74	20.43		45	14.44	6.50	151.56
4-26	825a	90	57.60	84	41.40	835a	74	20.43	850a	55	19.61	6.50	145.54
4-27	845a	88	55.62	81	39.15	855a	73	19.98	925a	46	14.97	6.50	136.22
4-28	845a	90	57.60	86	42.90	855a	74	20.43	930a	35	9.94	6.50	137.37
4-29	830a	90	57.60	88	44.55	840a	74	20.43	855a	40	12.06	6.50	141.14
4-30	855a	90	57.60	92	47.70	905a	72	19.53	915a	46	14.97	6.50	146.30
May													
5-1	750a	89	56.70	89	45.30	800a	74	20.43	815a	52	18.02	6.50	146.95
5-2	850a	88	55.62	88	44.55	900a	73	19.98	915a	52	18.02	6.50	144.67
5-3	915a	92	59.76	102	56.10	930a	74	20.43	940a	52	18.02	6.50	160.81
5-4	850a	94	61.74	108	61.35	900a	76	21.24	915a	70	28.49	6.50	179.32
5-5	800a	94	61.74	93	48.45	810a	74	20.43	825a	78	33.79	6.50	170.91
5-6	810a	98	66.06	98	52.65	825a	79	22.59	845a	80	35.24	6.50	183.04
5-7	810a	103	71.46	114	66.90	820a	94	29.61	835a	90	42.40	15.	225.37
5-7	1025a	98	66.06	106	59.55								
5-8	810a	100	68.04	106	59.55	820a	124	45.81	835a	105	54.32	*	
5-9	915a	94	61.74	94	49.35	925a	138	54.36	935a	104	53.40	15.	233.85
5-9	415p	90	57.60	80	38.25	430p	120	43.47	500p	104	53.40	6.50	199.22
5-10	820a	95	62.82	88	44.55	830a	98	31.59	845a	104	53.40	6.50	198.86
5-11	825a	90	57.60	75	34.80	835a	94	29.61	850a	104	53.40	6.50	181.91
5-12	855a	100	68.04	98	52.65	905a	102	33.66	920a	84	38.03	6.50	198.88
5-13	830a	104	72.54	110	63.15	840a	100	32.58	910a	112	60.16	*	
5-14	810a	100	68.04	104	57.75	820a	140	55.62	830a	116	63.60		
5-15	800a	98	66.06	98	52.65	830a	140	55.62	845a	110	58.43	*	
5-15	1035a	110	79.38	130	82.35								
5-16	700a	128	101.34	114	66.90				710a	110	58.43		
5-17	700a	128	101.34	124	76.35				725a	112	60.16		
5-18	815a	130	103.86	126	78.30	845a	60	14.76	930a	112	60.16		
5-19	930a	122	93.78	106	59.55	940a	98	31.59	1010a	100	50.08		
5-20	835a	121	92.52	106	59.55	945a	82	23.94	935a	108	56.71		
5-21	900a	121	92.52	104	57.75	935a	69	18.27	1000a	106	55.12		
5-22	820a	119	90.00	117	69.60	830a	42	8.64	845a	108	56.71		
5-23	635a	102	70.38	94	49.35	645a	152	63.45	655a	108	56.71	6.50	246.39
5-24	615a	110	79.38	110	63.15	625a	160	67.85	635a	110	58.43	6.50	275.31
5-25	640a	118	88.92	128	80.25	650a	160	68.85	700a	112	60.16	6.50	304.68
5-26	650a	114	84.06	114	66.90	725a	140	55.62	715a	104	53.40	15.	274.98
5-27	620a	116	86.40	100	54.30	640a	136	53.10	705a	110	58.43	6.50	258.73
5-28	640a	110	79.35	92	47.70	650a	106	35.73	705a	110	58.43	3.	224.24
5-29	705a	102	70.38	82	39.90	715a	92	28.62	730a	108	56.71	3.	198.61
5-30	645a	96	63.90	76	35.40	655a	90	27.63	605a	104	53.40	3.	183.33
5-31	645a	109	78.30	92	47.70	655a	100	32.58	705a	90	42.40	3.	203.98

C.R.1931.

WASATCH CANAL, NORTH FILED CANAL, TIMPANOGUS IRRIGATION CANAL,

PROVO RESERVOIR COMPANY WEIR TO RIVER, WATER BY WASATCH DAM.

Date	Wasatch Canal. Time	GH.	CFS.	N.Field GH.	CFS.	P.R.Weir Time	GH.	CFS.	Timpanogus Time	GH.	CFS.	Was. Dam CFS.	Total. Cfs.
June													
6-1	640a	110	79.38	94	49.35	650a	98	31.59	700a	107	55.92	3.	219.24
6-2	635a	106	74.88	86	42.90	650a	96	30.60	700a	104	53.40	3.	204.78
6-3	640a	103	71.46	92	47.70	650a	112	38.97	700a	72	29.81	3.	190.94
6-4	640a	98	66.06	84	41.40	650a	108	36.81	700a	70	28.49	3.	175.76
6-5	635a	104	72.54	94	49.35	645a	112	38.97	715a	42	12.98	3.	176.84
6-6	705a	101	69.30	90	46.05	715a	104	34.65		42	12.98	3.	165.98
6-7	655a	98	66.06	83	40.65	705a	110	37.89	715a	30	7.82	3.	155.42
6-8	655a	100	68.04	88	44.55	710a	106	35.73	720a	30	7.82	3.	159.14
6-9	640a	108	77.04	100	54.30	650a	112	38.97	705a	30	7.82	3.	181.13
6-10	600a	98	66.06	84	41.40	610a	102	33.66	620a	73	30.48	3.	174.60
6-10	955a	88	55.62	88	44.55								
6-11	630a	85	52.74	82	39.90	640a	98	31.59	650a	82	36.57	3.	163.80
6-12	655a	80	47.88	86	42.90	705a	98	31.59	720a	78	33.78	3.	159.15
6-13	635a	82	49.68	88	44.55	645a	90	27.63	700a	78	33.79	3.	158.65
6-14	630a	78	45.90	78	36.90	640a	88	26.73	650a	78	33.79	3.	146.32
6-15	1015a	78	45.90	78	36.90	1025a	76	21.24	1035a	73	30.48	3.	137.52
6-16	645a	72	40.50	60	24.60	655a	72	19.53	720a	78	33.79	3.	121.42
6-16	555p	74	42.30	64	27.30	610p	72	19.53	630p	72	29.81	3.	121.94
6-17	645a	71	39.60	59	24.00	700a	72	19.53	710a	78	33.79	3.	119.92
6-18	645a	69	37.98	62	25.95	700a	74	20.43	710a	78	33.79	3.	121.15
6-19	715a	71	39.60	67	29.25	705a	74	20.43	630a	42	12.98	3.	105.26
6-19	607p	72	40.50	69	30.45				Cut to		00		
6-20	700a	71	39.60	66	28.50	650a	84	24.84				3.	95.94
6-21	700a	71	39.60	64	27.30	710a	84	24.84				3.	94.74
6-22	705a	74	42.30	52	19.80	715a	80	22.95				3.	88.05
6-23	700a	72	40.50	57	22.60	715a	84	24.84				3.	90.94
6-24	730a	66	35.56	45	15.90	745a	81	23.49				3.	77.95
6-25	635a	65	34.56	45	15.90	645a	82	23.94				3.	77.40
6-26	635a	65	34.56	44	15.45	645a	82	23.94				3.	76.95
6-27	630a	68	37.08	48	17.55	640a	83	24.39				3.	82.02
6-28	645a	62	32.04	40	13.35	655a	80	22.95				3.	71.34
6-29	735a	58	28.98	38	12.45	745a	91	28.08				3.	72.51
6-30	630a	64	33.84	49	18.15	640a	88	26.73				3.	81.72
July													
7-1	640a	59	29.70	40	13.35	650a	84	24.84				3.	70.89
7-2	910a	46	20.34	26	7.05	920a	84	24.84				3.	55.23
7-3	630a	52	24.48	33	10.05	640a	67	17.55				3.	55.08
7-4	550a	48	21.60	29	8.25	600a	64	16.38				3.	49.23
7-5	640a	52	24.48	34	10.65	650a	70	18.72				3.	56.85
7-5	230p	56	27.54	40	13.35	240p	74	20.43				3.	64.32
7-6	710a	52	24.48	34	10.65	755a	70	18.72				3.	56.85
7-6	545p	50	23.04	32	9.60								
7-7	640a	52	24.48	36	11.55	650a	71	19.17				3.	58.20
7-8	655a	52	24.48	33	10.05	705a	69	18.27				3.	55.80
7-9	630a	50	23.04	32	9.60	640a	68	17.91				3.	53.55
7-10	635a	51	23.76	32	9.60	645a	69	18.27				3.	54.63
7-11	615a	50	23.04	31	9.30	625a	70	18.72				3.	54.06
7-12	630a	41	17.10	28	7.80	645a	64	16.38				3.	44.28
7-13	700a	32	11.70	28	7.80	710a	64	16.38				3.	38.88
7-14	630a	34	12.96	30	8.85	640a	70	18.72				3.	43.53
7-14	430p	30	10.62	28	7.80								
7-15	630a	22	6.84	24	6.30	640a	58	14.04				3.	30.18
7-15	625p	28	9.54	25	6.75	635p	64	16.38				3.	35.67

C.R.1931.

WASATCH CANAL, NORTH FIELD CANAL, PROVO RESERVOIR

COMPANY WEIR TO RIVER, WATER BY WASATCH DAM.

Date	Wasatch Canal. Time	GH.	Cfs.	N.Field GH.	CFS.	P.R.Weir Time	GH.	Cfs.	Was. Dam CFS.	Total CFS.
July										
7-16	605a	28	9.54	24	6.30	615a	65	16.74	3.	35.58
7-17	600a	27	9.18	23	6.00	610a	62	15.57	3.	33.75
7-17	905p	24	7.74	20	4.95	915p	64	16.38	3.	32.07
7-18	600a	26	8.64	22	5.55	610a	70	18.72	3.	35.91
7-19	555a	24	7.74	21	5.25	605a	66	17.10	3.	33.09
7-20	610a	24	7.74	21	5.25	620a	70	18.72	3.	34.71
7-21	618a	24	7.74	20	4.95		68	17.91	3.	33.60
7-22	615a	32	11.70	24	6.30	625a	60	14.76	3.	35.76
7-23	610a	27	9.18	21	5.25	620a	58	14.04	3.	31.47
7-24	615a	34	12.96	24	6.30	620a	60	14.76	3.	37.02
7-25	625a	29	10.08	22	5.55	635a	56	13.32	3.	31.95
7-25	300p	34	12.96	20	4.95	315p	60	14.76	3.	35.67
7-26	620a	35	13.50	26	7.05	650a	60	14.76	3.	38.31
7-27	610a	28	9.54	20	4.95	620a	58	14.04	3.	31.53
7-28	620a	24	7.74	20	4.95	630a	58	14.04	3.	29.73
7-29	635a	27	9.18	22	5.55	650a	60	14.76	3.	32.49
7-30	625a	30	10.62	25	6.75	655a	64	16.38	3.	36.75
7-31	640a	56	27.54	50	18.75	650a	63	15.93	3.	65.22
August.										
8-1	635a	44	18.90	34	10.65	645a	58	14.04	3.	46.59
8-2	645a	40	16.38	32	9.60	655a	64	16.38	3.	45.36
8-3	715a	38	15.12	32	9.60	725a	60	14.76	3.	42.48
8-4	700a	36	14.04	30	8.85	710a	58	14.04	3.	39.93
8-5	710a	34	12.96	30	8.85	725a	60	14.76	3.	39.57
8-6	645a	42	17.64	35	11.10	655a	64	16.38	3.	48.12
8-7	640a	48	21.60	43	14.85	650a	60	14.76	3.	54.21
8-8	700a	45	19.62	39	12.90	710a	60	14.76	3.	50.28
8-9	740a	36	14.04	32	9.60	755a	68	17.91	3.	44.55
8-10	700a	42	17.64	36	11.55	710a	70	18.72	3.	50.91
8-11	625a	41	17.10	35	11.10	635a	66	17.10	3.	48.30
8-12	630a	46	20.34	40	13.35	640a	64	16.38	3.	53.07
8-13	645a	38	15.12	30	8.85	700a	56	13.32	3.	40.29
8-14	700a	38	15.12	34	10.65	740a	60	14.76	3.	43.53
8-14	955a	28	9.54	28	7.80	1005a	57	13.68	3.	34.02
8-15	615a	40	16.38	30	8.85	625a	68	17.91	3.	46.14
8-16	715a	36	14.04	31	9.30	730a	59	14.40	3.	40.74
8-17	720a	37	14.58	31	9.30	730a	59	14.40	3.	41.28
8-18	730a	35	13.50	30	8.85	740a	58	14.04	3.	39.39
8-19	705a	34	12.96	30	8.85	715a	64	16.38	3.	41.19
8-20	710a	35	13.50	31	9.30	730a	64	16.38	3.	42.18
8-21	655a	37	14.58	33	10.05	705a	65	16.74	3.	44.37
8-22	730a	37	14.58	35	11.10	740a	60	14.76	3.	43.44
8-23	725a	32	11.70	28	7.80	735a	56	13.32	3.	35.82
8-24	720a	26	8.64	22	5.55	740a	56	13.32	3.	30.51
8-25	725a	31	11.16	26	7.05	745a	61	15.12	3.	36.33
8-25	930a	34	12.96	29	8.25	940a	62	15.57	3.	39.78
8-26	625a	27	9.18	24	6.30	640a	47	10.17	3.	28.65
8-27	640a	32	11.70	28	7.80	650a	48	10.53	3.	33.03
8-28	635a	31	11.16	26	7.05	645a	48	10.53	3	31.74
8-28	517p	36	14.04	31	9.30	500p	30	5.31	3.	31.65
8-29	740a	36	14.04	31	9.30	750a	40	8.01	3.	34.35
8-29	545p	36	14.04	30	8.85		42	8.64	3.	34.53
8-30	720a	30	10.62	25	6.75	730a	40	8.01	1.	26.38
8-30	1250p	22	6.84	20	4.95		38	7.47	1.	20.26
8-31	722a	49	22.32	36	14.55	735a	44	9.27	1.	47.14

6

WASATCH CANAL, NORTH FIELD CANAL, PROVO RESERVOIR

COMPANY WEIR TO RIVER. WATERS BY WASATCH DAM.

	Wasatch Canal.			N.Field		P.R.Weir			Was. Dam	Total
Date	Time	GH.	Cfs.	GH.	Cfs.	Time	GH.	Cfs.	Cfs.	Cfs.
September.										
9-1	645a	36	14.04	34	10.65	655a	40	8.01	1.	33.70
9-2	725a	31	11.16	27	7.50	740a	40	8.01	1.	27.67
9-3	645a	30	10.62	26	7.05	655a	38	7.49	1.	26.14
9-5	645a	32	11.70	26	7.05	655a	38	7.47	1.	27.22
9-6	730a	32	11.70	26	7.05	740a	38	7.47	1.	27.22
9-7	800a	32	11.70	30	8.85	810a	40	8.01	1.	29.56
9-8	755a	30	10.62	26	7.05	735a	40	8.01	1.	26.68
9-9	730a	31	11.16	26	7.05	745a	40	8.01	1.	27.22
9-10	710a	30	10.62	26	7.05	720a	40	8.01	1.	26.68
9-11	730a	24	7.74	20	4.95	740a	40	8.01	1.	21.70
9-12	730a	30	10.62	26	7.05	740a	40	8.01	1.	26.68
9-13	750a	30	10.62	26	7.05			8.01	1.	26.68
9-14	655a	28	9.54	24	6.30	710a	40	8.01	1.	24.85
9-15	655a	32	11.70	27	7.50	710a	40	8.01	1.	28.21
9-16	700a	36	14.04	32	9.60	715a	42	8.64	1.	33.28
9-17	705a	36	14.04	32	9.60	715a	42	8.64	1.	33.18
9-19	740a	34	12.96	29	8.25	750a	40	8.01	1	30.22
9-21	920a	44	18.90	39	12.90	930a	44	9.27	1.	42.07
9-23	932a	46	20.34	44	15.45	940a	42	8.64	1.	45.43
9-28	910a	47	20.88	34	10.65	920a	42	8.64	1.	41.17
October.										
9-9	935a	47	20.88	40	13.35	945a	42	8.64	1.	43.87

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MIDWAY RIVER DITCH.

8' Cipp. Weir.

1931 Date	Time	GH.	Cfs.
April			
4-16	122p	32	4.88
4-18	800a	72	16.45
4-19	640a	80	19.27
4-21	815a	74	17.15
4-26	905a	74	17.15
4-30	1030a	80	19.27
May			
5-4	445p	80	19.27
5-6	1015a	102	27.75
5-7	945a	104	28.57
5-8	530p	100	26.93
5-10	555p	102	27.75
5-11	743a	102	27.75
5-12	1000a	112	32.00
5-13	1010a	140	44.60
5-15	1200M	102	27.75
5-16	730a	104	28.57
5-17	700a	128	39.00
5-18	815a	100	26.93
5-19	1025a	110	31.07
5-20	820a	102	27.75
5-21	1025a	114	32.80
5-22	740a	100	26.93
5-23	715a	120	35.40
5-25	935a	120	35.40
5-26	925a	118	34.60
5-27	530p	100	26.93
5-28	610p	98	26.13
5-29	240p	108	30.23
5-31	725a	106	29.39
June			
6-2	935a	108	30.23
6-3	845a	112	32.00
6-4	900a	106	29.39
6-5	830a	110	31.07
6-7	915a	106	29.39
6-8	750a	96	25.33
6-9	845a	93	24.16
6-10	315p	80	19.27
6-11	915a	95	24.94
6-12	645a	85	21.11
6-13	745a	76	17.84
6-14	915a	72	16.45
6-17	735a	55	10.99
6-19	900a	50	9.52
6-19	430p	49	9.24
6-20	750a	52	10.10
6-22	1000a	51.	9.81
6-23	1015a	53	11.39
6-24	830p	52	10.10
6-25	945a	52	10.10
6-27	710a	51	9.81
6-28	905a	50	9.52
6-29	230p	49	9.24

1931 Date	Time	GH.	Cfs.
July			
7-1	710a	50	9.52
7-2	515p	49	9.24
7-3	615p	42	7.33
7-4	550p	42	7.33
7-5	925a	45	8.13
7-6	905a	45	8.13
7-7	710a	45	8.13
7-8	720a	45	8.13
7-9	900a	44	7.86
7-10	710a	43	7.59
7-11	650a	44	7.86
7-12	630p	48	8.96
7-13	835a	46	8.40
7-14	900a	45	8.13
7-15	950a	45	8.13
7-16	715a	42	7.33
7-17	815p	42	7.33
7-17	950p	46	8.40
7-18	700a	47	8.68
7-19	625a	43	7.59
7-20	635a	45	8.13
7-22	715a	32	4.88R
7-23	700a	36	5.82R
7-24	645a	32	4.88R
7-25	705a	36	5.82
7-26	630a	30	4.43
7-27	718a	37	6.06
7-28	650a	38	6.31
7-29	725a	36	5.82
7-30	710a	38	6.31
7-31	720a	41	7.07
August.			
8-1	710a	39	6.56
8-2	735a	41	7.07
8-3	800a	38	6.31
8-4	730a	37	6.06
8-5	815a	37	6.06
8-6	715a	38	6.31
8-7	725a	37	6.06
8-8	735a	39	6.56
8-9	1045a	44	7.86C
8-10	730a	40	6.81
8-11	700a	38	6.31
8-12	650a	40	6.81
8-13	730a	38	6.31
8-14	805a	43	7.59
8-15	715a	46	8.40
8-16		43	7.59
8-17		43	7.59
8-18	805a	41	7.07
8-19		43	7.59
8-21	750a	46	8.40
8-22	755a	40	6.81
8-23	810a	42	7.33

Concluded on following page.

MIDWAY RIVER DITCH.
(Concluded.)

1931

Date	Time	GH.	Cfs.
August.			
8-25	830a	38	6.31
8-26	700a	37	6.06
8-27	700a	50	9.52
8-28	745a	41	7.07
8-28	505p	34	5.34
8-29	815a	37	6.06
8-29	4445p	36	5.82
8-30	807a	40	6.81
8-31	830a	44	7.86
September			
9-1		46	8.40
9-2		37	6.06
9-3	725a	37	6.06
9-5	825a	41	7.07
9-7	545a	36	5.82
9-8	900a	30	4.43
9-10	810a	30	4.43
9-12	925a	40	6.81
9-14	725a	34	5.34
9-17	725a	44	7.85
9-19	833a	43	7.59
9-28	530p	54	10.69

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SNAKE CREEK.

1931.

June 3,1931.		
West Bench	45	5.45
Mound	00	00
Probst		2.43
Huber		0.25
Creek at Ford		3.67
Scotch	48	3.08
Wilson		000
Total.		14.88
July 27,1931.		
Scotch		2.60
Mound		2.00
West Bench		3.60
Creek at Ford		3.00
Total		11.20
August 14,1931.		
Probst		1.90
West Bench		3.60
Scotch		2.43
Snake		1.76
Creek at Ford		3.50
Total		13.19

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ONTARIO TUNNEL

4.7' Rating Flume.
1931.

Date	Time	GH.	Cfs.	"X"	Total
4-13	1105a	108	10.52		
5-4	340p	118	11.71		
5-31	1200M	135	10.48		
6-19	528p	124	9.68	1.34	11.02
7-20	600p	114	8.20	1.00	9.20
8-12	400p	100	7.99	1.59	9.58

"X" Diverted by Fisher Bros. near portal.

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BROWN WELL AT CHARLESTON.

1931.

5-4	142p	15.8'
6-3	1242p	13.5'
6-15	349p	14.0'
7-8	446p	16.5'
8-17	353p	17.6'
9-17	127p	18.2'

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ISLAND DITCH.

1931.

Date	Time	GH.	Cfs.
4-13	107p	70	7.-
5-4	200p	est	7.
6-3	238p	60	6.0
6-10	823a	66	6.60
6-15	404p	62	6.2
6-19	226p	58	5.8
6-29	1124a	60	6.0
7-8	507p	55	5.5
7-21	517p	60	6.0
7-27	500p	55	5.5
8-6	314p	63	6.3
8-12	252p	59	5.9
8-17	333p	62	6.2
8-25	1121a	62	6.2
9-4	1250p	52	5.2
9-10	212p	51	5.0

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SPRING CREEK AND SAGEBRUSH CANAL, UPPER CHARLESTON CANAL,

AND LOWER CHARLESTON CANAL.

1931.	LOWER CHARLESTON Rating flume 8'			UPPER CHARLESTON .75'x 11.5' Sup.Wr.			SP.CREEK & SAGEBRUSH. Rating Flume 9'		
Date	Time	GH.	Cfs.	Time	GH.	Cfs.	Time	Gh.	Cfs.
4-16				1225p		6.00			
5-4	130p	84	12.30	207p	60	20.0	215p	76	16.60
6-3	1215p	62	14.88	222p	61	20.58	132p	92	22.43
6-10	844a	61	14.50	817a	56	18.05	808a	84	21.20
6-15	344p	60	14.00	414p	49	14.60	421p	100	16.11
6-19							147p	90	18.50
6-22				1215p	29	6.55	1232p	85	17.80
6-22 Cut off Sagebrush to Upper Charleston, 3.2 cfs.									
6-26				800a	20	3.79R	812a	70	12.66C
6-26	. . . . .			.300p	34	8.40			
7-1				553p	16	2.76R	605p	70	12.06C
7-2	600p	53	11.52	427p	18	3.33	416p	42	9.00
7-2	(.75 x 8' Sup.Weir)					4.94	(.75 x 9' Supp.Weir)		
7-6	~~121~~			1219p	24	/x~~44x24~~	150p	44	9.72
7-8	440p	52	11.20	516p	22	4.37	523p	47	10.71
7-11		53	11.52		21	4.14		50	11.79
7-15	650p	49	10.16	628p	18	3.33	610p	42	9.00
7-21	602p	46	9.20	507p	21	4.14	500p	40	8.37
7-27	418p	47	9.52	512p	24	4.94			
7-30	~~814a~~			828a	26	5.94	814a	46	10.35
8-6	250p	47	9.52	324p	26	5.94	336p	42	9.00
8-12	234p	47	9.52	258p	20	3.79R	307p	40	8.37
8-17	348p	46	9.20	327p	20	3.79	318p	40	8.37
8-25				1129a	20	3.79			
9-4	1235p	39	7.20	100p	23	4.72	107p	29	5.13
9-10	228p	39	7.20	207p	24	4.94	158p	38	7.74
9-17	122p	44	8.64	101p	18	2.33R	1250p	43	9.36C

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C.R.1931.

SOUTH KAMAS IRRIGATION COMPANY CANAL.

WASHINGTON IRRIGATION COMPANY CANAL.

South Kamas Canal.
1931 10' Rating Flume

Date	Time	GH.	Cfs.
4-11	910a	80	30.00
4-25	1020a	65	22.5
5-1	500p	67	23.5
5-6	505p	80	30.00
5-12	500p	80	30.0
5-15	320p	110	45.0
5-20	520p	110	45.0
5-26	100p	100	40.0
5-29	300p	87	33.5
5-31	1020a	92	36.0
6-2	240p	82	31.0
6-6	200p	80	30.0
6-10	420p	78	29.0
6-15	940a	75	27.5
6-16	950a	58	19.0
6-17	1020a	58	19.0
6-19	800a	58	19.0
6-21	1210p	58	19.0
6-23	910p	58	19.0
6-26	1000a	50	15.0
6-27	1000a	45	12.0
6-29	900a	45	12.0
7-1	1030a	45	12.0
7-2	1000a	35	6.5
7-8	200p	35	6.5
7-15	210p	35	6.5
7-20	1000a	35	6.5
7-23	145p	35	6.5
7-28	300p	33	5.5
8-3	1000a	32	5.0
8-7	210p	31	4.5
8-12	100p	30	4.0
8-17	400p	30	4.0
8-22	910a	28	3.0
8-27	120p	28	3.0
9-2	310p	25	1.5
9-9	1000a	22	1.2
9-15	410p	20	1.0

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Washington Canal.
1931 7' Rating Flume.

Date	Time	GH.	Cfs.
4-11	915a	127	21.00
4-25	1000a	104	14.70
5-1	520p	102	14.10
5-6	515p	130	21.80
5-12	515p	130	21.8
5-15	335p	153	28.2
5-20	530p	150	27.4
5-26	115p	140	24.6
5-29	315p	107	15.5
5-31	1030a	129	21.5
6-2	250p	118	18.5
6-6	210p	128	21.2
6-10	430p	127	21.0
6-15	955a	127	21.0
6-16	945a	108	15.7
6-17	1030a	108	15.7
6-19	820a	108	15.7
6-21	1220p	108	15.7
6-23	920p	108	15.7
6-26	1115a	112	15.1
6-27	1020a	108	15.7
6-29	920a	108	15.7
6-29	Storage exhausted.		
6-29	Cut to		1.5

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SUNRISE CANAL.
1931.

Date	Time	GH.	Cfs.
6-16	530p	100	5.4
6-21	130p	90	4.2
6-27	1110a	100	5.4C to 2.9
6-30	1000a	100	5.4 C to 2.0
7-1	1145a	80	2.9
7-2	300p	80	2.9
7-15	230p	70	1.8
8-3	1100a	72	2.0
8-12	140p	70	1.8
8-27	155p		1.0

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