C.R. 1920.

NATURAL PROVO RIVER IN THE UTAH VALLEY.

AS OBSERVED AND CORRECTED FOR STORAGE AND TUNNEL WATER AND INFLOW.

Day.	April	May	June	July	August	September.
1	339	646	2110	422	305	300
2	334	708	1843	402	308	298
3	330	744	1580	392	336	292
4	339	715	1366	372	317	286
5	334	773	1346	355	327	285
6	417	821	1397	352	313	284
7	435	908	1489	340	314	288
8	587	1043	1577	310	313	294
9	630	1112	1663	332	323	295
10	652	1206	1637	321	320	291
11	539	1215	1438	353	307	292
12	533	1067	1287	336	308	292
13	540	1012	1206	332	301	301
14	616	1127	1167	316	293	291
15	689	1193	1050	312	290	286
16	793	1218	953	311	289	281
17	676	1276	864	325	288	281
18	527	1421	743	327	287	295
19	484	1607	711	322	299	295
20	478	1780	674	325	318	295
21	471	2043	668	307	306	295
22	446	2404	655	306	299	295
23	368	2340	648	308	291	330
24	423	2195	635	336	289	320
25	423	2220	622	336	291	325
26	417	2350	522	312	306	315
27	423	2078	512	303	316	315
28	463	2000	469	295	326	310
29	498	2128	462	306	318	310
30	561	2110	444	304	305	310
31		2346		300	303	
Max.	793	2404	2110	422	336	330
Min.	330	646	444	295	287	281
Mean	492	1478	1058	331	307	298

Mean for the six months 667 second feet.

1920.

NATURAL RIVER UTAH VALLEY.

COMPUTATION.

	APRIL				MAY				JUNE.			
Da	River at USGS.	Fork at USGS.	Inf-low.	Total.	River at USGS.	Fork at USGS.	Inf-low.	Total.	River at USGS.	Fork at USGS.	Inf-low.	Total.
1	294	25	20	339	591	31	24	646	2000	78	32	2110
2	289	25	20	334	651	33	24	708	1750	60	33	1843
3	285	25	20	330	682	38	24	744	1490	57	33	1580
4	294	25	20	339	651	40	24	715	1290	42	34	1366
5	289	25	20	334	706	42	25	773	1270	42	34	1346
6	371	25	21	417	754	42	25	821	1320	42	35	1397
7	389	25	21	435	838	45	25	908	1400	54	35	1489
8	541	25	21	587	971	47	25	1043	1490	51	36	1577
9	584	25	21	630	1040	47	25	1112	1570	56	37	1663
10	606	25	21	652	1130	51	25	1206	1550	50	37	1637
11	493	25	21	539	1140	49	26	1215	1350	50	38	1438
12	486	26	21	533	990	51	26	1067	1200	48	39	1287
13	493	26	21	540	935	51	26	1012	1120	46	40	1206
14	562	33	21	616	1050	51	26	1127	1080	46	41	1167
15	636	31	22	689	1110	56	27	1193	962	46	42	1050
16	738	33	22	793	1130	61	27	1218	864	46	43	953
17	621	33	22	676	1190	59	27	1276	779	41	44	864
18	472	33	22	527	1330	64	27	1421	659	39	45	743
19	433	29	22	484	1510	69	28	1607	629	37	45	711
20	427	29	22	478	1680	72	28	1780	591	37	46	674
21	420	29	22	471	1940	75	28	2043	584	37	47	668
22	395	29	22	446	2300	75	29	2404	570	37	48	655
23	317	29	22	368	2230	81	29	2340	562	37	49	648
24	371	29	23	423	2070	96	29	2195	548	37	50	635
25	371	29	23	423	2100	90	30	2220	534	37	51	622
26	365	29	23	417	2230	90	30	2350	433	37	52	522
27	371	29	23	423	1970	78	30	2078	427	32	53	512
28	411	29	23	463	1900	69	31	2000	383	32	54	469
29	446	29	23	498	2030	67	31	2128	371	35	56	462
30	506	31	24	561	2000	78	32	2110	353	34	57	444
31					2230	84	32	2346				

C.R. 1920.

NATURAL RIVER UTAH VALLEY 1920.

COMPUTATION.

J U L Y.

Day.	River at U.S.G.S.	Fork at USGS.	Inflow.	Total River Utah Valley.	Storage and Tunnel Waters.	Natural River Utah Valley.
1.	342	34	58	434	12	422
2	320	34	60	414	12	402
3	309	34	61	404	12	392
4	289	33	62	384	12	372
5	275	29	63	367	12	355
6	271	29	64	364	12	352
7	262	25	65	352	12	340
8	253	24	65	322	12	310
9	253	26	65	344	12	332
10	253	26	65	344	23	321
11	285	26	65	376	23	353
12	289	33	64	386	50	336
13	285	31	64	380	48	332
14	271	29	64	364	48	316
15	271	27	63	361	49	312
16	271	27	63	361	50	311
17	285	27	63	375	50	325
18	287	27	63	377	50	327
19	280	28	64	372	50	322
20	282	29	64	375	50	325
21	262	30	65	357	50	307
22	258	31	67	356	50	306
23	258	31	69	358	50	308
24	281	34	71	386	50	336
25	281	32	73	386	50	336
26	255	32	75	362	50	312
27	242	34	77	353	50	303
28	232	34	79	345	50	295
29	242	33	81	356	50	306
30	238	33	83	354	50	304
31	232	34	84	350	50	300

C.R. 1920.

NATURAL RIVER UTAH VALLEY

COMPUTATION

MONTH OF AUGUST.

Day	River at USGS.	Fork at USGS.	Inflow	Total Utah Valley	Storage and Tunnel Waters.	Natural River Utah Valley.
1	232	34	84	350	45	305
2	232	34	85	351	43	308
3	245	36	85	366	30	336
4	232	35	85	352	35	317
5	242	35	85	362	35	327
6	238	35	85	358	45	313
7	230	35	84	349	35	314
8	230	35	83	348	35	313
9	238	38	82	358	35	323
10	238	38	79	355	35	320
11	228	38	76	342	35	307
12	232	38	73	343	35	308
13	228	38	70	336	35	301
14	222	38	68	328	35	293
15	220	38	67	325	35	290
16	220	38	66	324	35	289
17	220	38	65	323	35	288
18	220	38	64	322	35	287
19	228	42	64	334	35	299
20	252	38	63	353	35	318
21	250	39	62	351	45	306
22	232	40	62	334	35	299
23	225	40	61	326	35	291
24	222	41	61	324	35	289
25	225	41	60	326	35	291
26	240	41	60	341	35	306
27	245	46	60	351	35	316
28	258	44	59	361	35	326
29	250	44	59	353	35	318
30	240	41	59	340	35	305
31	238	41	59	338	35	303

C.R. 1920.

NATURAL RIVER UTAH VALLEY.

COMPUTATION.

SEPTEMBER 1920.

Day	River at USGS.	Fork at USGS.	Inflow.	Total River Utah Valley	Storage and Tunnel Waters.	Natural River Utah Valley.
1	235	41	59	335	35	300
2	235	40	58	333	35	298
3	230	39	58	327	35	292
4	225	38	58	321	35	286
5	225	37	58	320	35	285
6	225	36	58	319	35	284
7	230	35	58	323	35	288
8	235	36	58	329	35	294
9	235	37	58	330	35	295
10	230	38	58	326	35	291
11	230	39	58	327	35	292
12	230	39	58	327	35	292
13	230	48	58	336	35	301
14	225	43	58	326	35	291
15	220	43	58	321	35	286
16	210	43	58	311	30	281
17	210	43	58	311	30	281
18	205	42	58	305	10	295
19	205	42	58	305	10	295
20	205	42	58	305	10	295
21	205	42	58	305	10	295
22	205	42	58	305	10	295
23	238	44	58	340	10	330
24	225	47	58	330	10	320
25	230	47	58	335	10	325
26	225	42	58	325	10	315
27	225	42	58	325	10	315
28	220	42	58	320	10	310
29	220	42	58	320	10	310
30	220	42	58	320	10	310

INFLOW CURVE 1920.

Date	April	May	June	July	August	September.
1	20	24	32	58	84	59
2	20	24	33	60	85	58
3	20	24	33	61	85	58
4	20	24	34	62	85	58
5	20	25	34	63	85	58
6	21	25	35	64	85	58
7	21	25	35	65	84	58
8	21	25	36	65	83	58
9	21	25	37	65	82	58
10	21	25	37	65	79	58
11	21	26	38	65	76	58
12	21	26	39	64	73	58
13	21	26	40	64	70	58
14	21	26	41	64	68	58
15	22	27	42	63	67	58
16	22	27	43	63	66	58
17	22	27	44	63	65	58
18	22	27	45	63	64	58
19	22	28	45	64	64	58
20	22	28	46	64	63	58
21	22	28	47	65	62	58
22	22	29	48	67	62	58
23	22	29	49	69	61	58
24	23	29	50	71	61	58
25	23	30	51	73	60	58
26	23	30	52	75	60	58
27	23	30	53	77	60	58
28	23	31	54	79	59	58
29	23	31	56	81	59	58
30	24	32	57	83	59	58
31		32		84	59	

U.S.G.S. STAION ON MAIN RIVER NEAR NORTH FORK.

1920 Date	Time	Ght.	Disch.
5-8	630a	253	
6-14	941a	288	
7-2	625a	90	
7-2	305p	85	
7-5	715p	65	
7-10	140p	58	
7-16	545a	65.	

New Station at Vivian Park Bridge.

8-20	927a	227	252.07
8-25	355p	223	227.32
9-6	912a	222	
9-7	125p	224	230.74
9-17	301p	217	

U.S.G.S.STATION ON SOUTH FORK.

1920 Date	Time	Ght.	Disch.
8-20	1050a	86	38.10
8-25	550p	90	40.76
9-7	225p	82	34.50

RIVER BELOW FORT FIELD DAM.

1920 Date	Time	Ght.	Disch.
6-19		est.	20.
6-22			5.
6-26	427p		5.25
7-1	105p		00
7-7	215p		00
7-20	107p	est	1.25
7-28	122p		00
8-8	727a		00
8-16	200p		0.50
8-26	1216p		1.25
9-18	735a		5.75

UTAH VALLEY SUMMARY. 1920.

Date	Total Diverted.	To Lake	Total Utah Valley.	Total at U.S.G.S. Station.	Inflow.
6-19		20.			
6-22		5.			
6-27	506.44	5.25	511.69	459	53
7-1	465.05	0	465.05	376	89
7-7	353.45	0	353.45	287	66
7-20	371.68	1.25	372.93	311	62
7-28	345.84	0	345.84	266	80
8-8	351.26	0	351.26	265	86
8-16	315.26	0.5	315.76	258	58
8-26	339.17	1.25	340.42	281	59
9-5			320.44	262	58
9-18	312.70	5.75	318.45	247	71

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PROVO BENCH CANAL.

MEAN DAILY DISCHARGE AS SHOWN BY REGISTER RECORD.
1920.

Date.	June	July	August	September.
1		95	91	88
2		94	93	89
3		94	92	87
4		88		86
5		93		86
6		95		91
7	152	92		96
8	154	94		95
9	156	95		92
10		97		88
11		99		88
12		95		89
13		92	96	89
14		96	96	90
15		96	94	90
16		96		
17		97	97	
18		98	88	
19	163	95	93	93
20	169	97	94	92
21.	173	100	96	90
22	173	109		90
23	171	107		93
24	162	100		88
25	147	101		88
26	123	99		87
27	109	94	90	87
28	109	92	89	85
29	102	93	87	88
30	95	93		90
31		92	90	
	5956	5741	5741	5370 all

C.R. 1920.

PROVO BENCH CANAL.

Lower Station 15' Rating Flume.
Register and Gages.

1920. Date	Time	Ght.	Sec.Ft.
5-5	837a	94	
5-31	700p	214	149.
5-31 Started Register.			
6-6	550p	217	152.
6-6	600p	217	152.
6-6 Put on new roll of paper.			
6-18	1130a	200	135.
6-20	650p	236	170.
6-21	1055a	238	173.10
6-27	905a	184	106.
7-1	607p	171	92.79
7-2	530a	174	95.
7-7	1050a	176	92.80
7-12	616p Drift in gate removed.		
7-13	555p	175	89.
7-13	600p	177	91.
7-13 P.R.CO. from canal thru N. opening 12.51cfs. cut to 8 cfs.			
7-20	755a	182	93.20
7-24	850a	186	97.
7-28	805a	182	93.89
7-28	Has Been cleaned.		
7-31	835a	180	92.
8-8	115p	176	88.50
8-12	600a	180	91.
8-16	740a	177	88.55
8-16	Begining to-day P.R.CO. Div. by N.Lat. 7. cfs.		
8-26	800a	182	90.16
8-31	615a	184	88.
9-5	947a	190	87.08
9-8	815a	197	95.
9-12	600a	189	89.
9-18	1255p	189	90.93

Upper Station 16' Rating Flume.

1920. Date	Time	Ght.	Sec.Ft.
6-6	527p	190	
6-9	112p	192	
6-9 Small break near head.			
6-10	1150a	184	
6-18	530p	198	158.34
6-19	805a	196	
6-20	600p	210	
6-24	750p	206	Cut.
6-27	1004a	163	
6-28	1126a	164	
6-30	1155a	152	
7-1	524a	152	
7-1	540p	150	
7-5	550a	142	

Upper Station (Con)

1920. Date	Time	Ght.	Sec.Ft.
7-7	1107a	150	
7-8	922a	150	
7-12	520a	154	
7-12	600p	148	
7-14	547a	150	
7-20	842a	150	
7-21	1130a	158	
7-23	1024a	158	
7-23	530p	154	
7-23	650p	150	
7-23	855p	153	
7-26	552p	154	
7-26	625p	150	
7-27	704p	148	
7-28	855a	149	
7-29	845a	152	
7-31	859a	148	
8-1	642p	147	
8-2	112p	147	
8-7	500p	146	
8-7	600p	148	
8-8	1258p	144	
8-11	925a	146	
8-11	505p	144	
8-15	633a	146	
8-16	835a	144	
8-18	1235p	144	
8-20	749a	151	
8-21	805a	149	
8-23	901a	149	
8-26	842a	148	
9-2	622a	146	
9-5	942a	140	
9-8	831a	145	
9-18	1216p	143	
9-23	239p	148	

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PROVO RESERVOIR COMPANY CANAL. (Total of Canal & Lateral No.1)

1920. Date	Time.	Sec.Ft.
6-14		180.80
6-21	1151a	179.88
6-27	1006a	180.
6-30	630a	Cut.
7-1	510p	161.46
7-2	505p	156.40
7-5	715a	93.
7-7	1112a	90.71
7-20	845a	98.01
7-22	Tight Dam at head.	
7-23	1031a	64.90
7-23	842p	Started 10 cfs. pump. #2.
7-24	920a	105.
7-26	556p	110.
7-26	604p	Shut down pump # 2.
7-26	630p	103.
7-27	730a	101.5
7-27	710p	93.
7-28	858a	85.42
7-29	822a	93.
7-31	905a	89.5
8-1	646p	89.5
8-2	115p	89.5
8-3	555a	105.
8-8	1105a	Started pump #3.
8-8	1153a	93.04
8-11	929a	88.
8-11	501p	88.
8-12	617a	86.
8-14	534p	59.45
8-15	630a	57.90
8-16	839a	67.84
8-18	1225p	69.
8-20	753a	80.
8-21	802a	82.60
8-23	905a	68.5
8-24	400p	69.
8-26	846a	88.94
8-31	632a	85.5
9-2	625a	82.
9-5	1016a	86.53
9-6	830a	88.67
9-7	933a	63.
9-8	834a	68.
9-9	810a	Cut off Sego.
9-18	1149a	52.51
9-23	234p	57.5

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PROVO RESERVOIR COMPANY CANAL.

14 Foot Rating Flume.

1920 Date	Time	Ght.	Sec.Ft.
6-9	231p	280	178.60
6-14	906a	278	176.30
6-21	1151a	278	176.33
6-27	1006a	282	180.00
6-30	1150a	265	165.60
7-1	510p	260	161.46
7-2	505p	254	156.40
7-5	555a	228	Cut.
7-5	715a	200	93.
7-7	1112a	180	88.11
7-8	550a	168	69. Cut.
7-12	605p	208	99.5
7-20	845a	205	98.01
7-23	1031a	158	63.
7-23	830p	198	91.5
7-23	1040p	202	94.
7-24	920a	214	105.
7-26	556p	220	110.
7-26	630p	212	103.
7-27	730a	210	101.5
7-27	710p	200	93.
7-28	858a	190	85.42
7-29	822a	200	93.
7-31	905a	196	89.5
8-1	646p	196	89.5
8-2	115p	196	89.5
8-3	555a	214	105.
8-7	504p	190	85.
8-8	1153a	200	93.04
8-11	929a	194	88.
8-11	501p	194	88.
8-12	617a	192	86.
8-14	534p	150	57.90
8-15	630a	150	57.90
8-16	839a	166	67.84
8-18	1225p	168	69.
8-20	753a	180	80.
8-21	802a	180	80.
8-23	905a	166	68.5
8-24	400p	168	69.
8-26	846a	198	88.94
8-31	632a	191	85.5
9-2	625a	186	82.
9-5	1016a	190	83.93
9-6	830a	163	66.5
9-7	933a	158	63.
9-8	834a	167	68.
9-12	616a	164	67.
9-16	620p	142	55.
9-18	1149a	138	52.51
9-23	234p	148	57.5

PROVO RESERVOIR COMPANY LATERAL NUMBER ONE.

(Diverts from Canal above rating station) 2' Rect. Weir.

1920 Date	Time	Ght.	Sec.Ft.
6-14	906a	est.	4.5
6-21	1151a	69	3.55
6-27	1006a		0
7-1	510p		0
7-2	505p		0
7-5	555a		0
7-7	1112a	53	2.60
7-20	845a		0
7-23	1031a	43	1.90
7-24	920a		0
7-26	556p		0
7-26	630p		0
7-27	730a		0
7-27	710p		0
7-28	858a		0
7-29	822a		0
7-31	905a		0
8-1	646p	0	0
8-2	115p		0
8-3	555a		0
8-8	1153a		0
8-11	929a		0
8-11	501p		0
8-12	617a		0
8-14	534p		1.55
8-15	630a		0
8-16	839a		0
8-18	1225p		0
8-20	753a		0
8-21	802a	53	2.60
8-23	905a		0
8-24	400p		0
8-26	846a		0
8-31	632a		0
9-2	625a		0
9-5	1016a	53	2.60
9-6	830a	47	2.17
9-7	933a		0
9-8	834a		0
9-18	1149a		0
9-23	234p		0

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TIMPANOGUS CANAL COMPANY-- CANAL.

1920.

Date	Time	Ght.	Discharge. Sec. Ft.
6-27	1045a	110	21.79
6-29	350p	116	
6-30	1118a	90	15.30
7-1	430p	90	15.06
7-7	1205p	94.	15.70
7-14	603p	102	
7-20	1016a	114	15.16
7-21	1100p		00.

Dam not tight approx. 45cfs by dam.
7-22 130p Dam in.
7-22 300p Running O.K., drawing from river and valve from P.R. Co. syphon.
7-23 P.R.Co. pumping to Timpanogus.

7-28	1004a	114	14.12

Eight Foot Rating Flume.

1920

Date	Time	Ght.	Discharge Sec.Ft.
8-2	145p	114	14.12
8-2 Cut to		110	
8-8	1114a	104	16.66
8-16	1125a	102	15.28
8-21	844a	102	15.3
8-26	937a	93	12.68
9-5	1050a	88	11.04
9-18	1100a	88	11.04
10-11 Raised to			13.04

WEST UNION CANAL.

1' x 12' Suppressed Weir.

1920

Date	Time	Ght.	Sec.Ft.
5-5	847a	83	33.48
6-21	1144a	114	56.04
6-24	740p	108	51.36(Cut)
6-27	947a	100	45.36
6-27	600p	84	34.08 (As Cut)
6-29	1115a	84	34.08
6-30	1200m	74	27.84
6-30 Working on Dam.			
7-1	520a	80	31.50
7-1	550p	101	46.08
7-2	545a	90	38.16
7-2 Cutto		80	31.50
7-2 Dam dry.			
7-2	450p	84	34.08
7-4	Turned additional 5cfs. and turned this amount over Schemensky spill		
7-5	545a	90	38.16
7-7	845a Over Schem. Spill, 6.04 sf.		
7-7	1058a	87	36.12
7-8 Cut spill to			00
7-8 Cut canal at head.			
7-8	916a	80	31.50
7-8 Cut to		78	30.18
7-12	511a	84	34.08
7-12	547p	82	32.82
7-12	614p Raised.		
7-14	542a	89	37.44
7-18	640p	90	38.16
7-20	Turned over Schem.Spill for Lake Bot. 6.00		

1920

Date	Time	Ght.	Sec.Ft.
7-20	832a	90	38.16
7-23	656p	82	32.82
7-24	912a	84	34.08
7-26	548p	86	35.52
7-27	Closed spill.		
7-27	Cut at head.		
7-28	845a	82	32.82
7-31	854a	78	30.18
8-2	107p	82	32.82
8-2	Cut.		
8-7	455p	74	27.84
8-8	107p	80	31.50
8-11	920a	76	28.98
8-12	613a	74	27.84
8-16	816a	78	30.18
8-18	1242p	75	28.40
8-20	745a	76	28.98
8-23	858a	80	31.50
8-26	834a	76	28.98
8-31	627a	70	25.56
9-2	618a	76	28.98
9-5	930a	70	25.56
9-5	Raised.		
9-8	826a	74	27.84
9-12	609a	74	27.84
9-18	1226p	74	27.84

C.R. 1920.

PARK & NUTTAL DITCH.

0.75' x 3' Suppressed Weir.

1920. Date.	Time	Ght.	Sec.Ft.
6-27	949a	70	6.39
7-1	553p		7.13
7-7	1101a		3.80
7-20	834a		3.80
7-28	847a		2.47
8-8	108p		0.50
8-16	820a	21	1.01
8-26	836a	50	3.86
9-5	932a	65	5.60
9-5	Cut.		
9-18	1228p	58	4.83

BARTON & YOUNG DITCH.

1920. Date	Time	Ght.	Sec.Ft.
6-27	1000a	approx	5.50
7-1			2.44
7-7	1105a	est	0.50
7-20	840a	est	0.50
7-28	853a		1.75
8-8	103p		0.75
8-16	833a		0.75
8-26	840a		0.75
9-5	940a		1.45
9-18	1218p		1.40

EAST RIVER BOTTOM WATER CO.

Total of all diversions.

1920 Date	Time	Sec.Ft.
6-27	a	14.45
7-1	p	16.71
7-7	a-p	8.55
7-20	a	9.33
7-28		7.65
8-8	a	10.74
8-16	a-p	12.00
8-16	Cut to	5.50
8-17	Hace Sheriff Serve Order.	
8-26		11.62
9-5	a	12.26
9-18a	a	11.71

UPPER EAST UNION & FAUCETT FIELD.

1' x 8' Suppressed Weir.

1920. Date	Time	Ght	Sec.Ft.	
6-27	1032a		24.00	
6-29	354p	85	23.28	
6-30	1114a	51	10.37	Raised
7-1	551a	68	16.24	
7-1	431p	68	16.24	
7-7	1207p	68	16.24	
7-14	559a	68	16.24	
7-20	1010a	68	16.24	
7-27	Cut.			
7-28	950a	59	13.04	
8-2	215p	65	15.12	
8-8	1107a	65	15.12	
8-16	1137a	64	15.48	
8-21	847a	66	15.56	
8-26	952a	62	14.08	
9-5	1112a	62	14.08	
9-18	1053a	69	16.60	

YOUNG DITCH.

1920 Date	Time	Ght.	Sec.Ft.
6-27	1237p		00
7-1	325p	60	1.75
7-7	149p		00
7-20	1118a	75	1.38
7-28	1102a		1.38
8-8	1010a		0.68
8-16	1218p	50	0.56
8-26	1042a	50	0.74
9-5	1148a	50	0.64
9-18	1000a	52	0.96

GEORGE BAUM DITCH.

1920. Date.	Time	Ght.	Sec.Ft.
6-27	1237p		00
7-1	325p		00
7-7	150p		00
7-20	1120a		2.25
7-28	1102a		00
8-8	1010a		00
8-16	1218p		00
8-26	1045a		00
9-5	1151a		0.25
9-18	1004a		00

15

C.R. 1920.

PROVO CITY.

(Irrigation and Power.)

Total of East Union, City Race, Factory Race and Tanner Race.

1920. Date	Time	Sec.Ft.
6-25	pm	88.73
6-26	p	72.37
6-27	p	61.40
6-29	p	41.48
7-1	p	70.43
7-4	a	58.80
7-7	p	60.38
7-8	a	50.30
7-12	City Retains Factory Race. water for Irrigation.	
7-14	a	53.61
7-20	m	56.79
7-27x	a	44.55
7-28	a	56.23
8-1	p	55.73
8-2	p	55.55
8-8	a	54.75
8-11	p	53.98
8-12	a	56.53
8-13	a	57.18
8-16	p	49.35
8-17	p	53.19
8-21	a	68.60
8-23	a	53.39
8-26	a	58.12
8-31	a	63.13
9-1	City returns Factory Race water during days.	
9-5	p	46.19
9-12	a	58.39
9-17	a	64.25
9-18	a	66.38

CITY RACE (Provo City)

8' Rating Flume.

1920. Date	Time	Ght.	Sec.Ft.
6-25	610p	108	18.00
6-26	325p	72	8.70
6-27	107p	104	18.13
6-29	302p	50	4.70
6-30	700a	82	11.
7-1	618a	86	12.10
7-1	246p	67	7.42
7-2	4-5p	58	5.90
7-3	640a	68	7.80
7-4	1050a	104	18.13
7-7	105p	65	7.30
7-8	630a	60	6.20
7-8	1158a	56	5.50
7-14	639a	98	16.10
7-20	1137a	100	16.46
7-23	845a	94	14.50
7-27	631a	82	11.
7-28	1125a	104	18.39
8-1	610p	96	15.10
8-2	235p	98	16.10
8-8	948a	98	16.10
8-11	530p	96	15.10
8-12	641a	98	15.90
8-13	737a	100	16.40
8-16	1240p	92	14.72
8-17	418p	94	14.50
8-21	1120a	94	14.50
8-23	1038a	106	18.60
8-26	1105a	98	15.46
8-31	655a	90	13.30
9-5	1210p	88	12.46
9-12	640a	76	9.60
9-17	740a	52	5.00
9-18	908a	54	5.24

PROVO CITY WATERWORKS.

No. measurements of waterworks reported. In all totals from 6-27 to 9-18, the quantity of 6. Second feet is assumed as flow of waterworks.

C.R. 1920.

FACTORY RACE (Provo City)

1920. 1.5' x 14' Sup. Weir.

Date.	Time	Ght.	Sec.Ft.
6-25	617p	90	31. (Flume)
6-26	333p	100	34.60 "
6-27	1253p	est	2.
6-28	309p		17.68
6-30	709a	226.	34.76
7-1	633a	231	38.33
7-1	304p	227	35.60
7-2	4-5p	226	34.76
7-3	626a	224	33.50
7-4	1058a		1.50
7-7	118p	218	29.72
7-8	653a	204	21.39
7-8	1205p	218	29.72
7-14	645a		1.50
7-20	1204p		1.50
7-27	637a		1.50
7-28	1144a		3.00
8-1	617p		2.00
8-2	248p		2.
8-8	955a		2.75
8-11	545p		3.
8-12	647a		3.5
8-13	746a		4.5
8-16	1258p		2.
8-17	426p		3.
8-21	1102a	202	20.27
8-23	1105a	166	5.02
8-26	1127a	156	2.7
8-31	709a	195	16.56
9-5	1228p	168	6.2
9-12	700a	218	29.72
9-17	705a	236	42.04
9-18	941a	238	43.51

Weir leaks approx. 2 Sec.Ft.

LAKE BOTTOM CANAL.

1920. 10' Rating Flume.

Date	Time	Ght.	Sec.Ft.
6-26	455p	90	16.56
7-1	1209p	78	12.71
7-4	825a	56	9.
7-6 Making new cut to river.			
7-7	950a	70	11.40
7-13	1215p	105	
7-19	945a	67	10.24
7-26	756p	97	
7-28	136p	80	13.20
8-2	308p	78	12.7
8-8	704a	62	9.67 Raised.
8-14	710a	52	8.5
9-3	620p	88	8.98
9-18	705a	110	7.79

TANNER RACE(Provo City)

1920. 1' x 8' Sup. Weir.

Date.	Time	Ght.	Sec.Ft.
6-25		est.	16.
6-26	350p	58	12.61
6-27	135p	67	15.84
6-28-	252p	38	6.60
7-1	237p	48	9.48
7-4	1018a	56	11.96
7-7	135p	49	9.76
7-8	Assumed		9.76
7-14	919a	57	12.28
7-20	1220p	60	13.40
7-23	915a	51	10.37
7-27	620a	50	10.10
7-28	1158a	56	11.96
8-1	600p	58	12.61
8-2	338p	61	13.72
8-8	839a	54	11.32
8-11	628p	58	12.61
8-12		60	13.40
8-13	813a	60	13.40
8-16	116p	52	10.68
8-17	245p	56	11.96
8-21	1132a	50	10.10
8-21	Spilling to river above weir 5.5 cfs.		
8-23	1020a	48	9.48
8-26	1146a	67	15.84
8-31	730a	54	11.32
9-5	1250p	51	10.37
9-12	715a	appr.	12.61
9-18	854a	60	13.40

LITTLE DRY CREEK.

1920. 4' Cipp. Weir.

Date	Time	Ght.	Sec.Ft.
6-27	148p	74	9.
7-1	700a	90	11.50
7-1	222p	70	7.89
7-4	1026a	60	6.26
7-7	145p	64	6.89
7-12	700a	68	7.55
7-14	904a	70	7.89
7-20	1228p	76	8.92
7-28	1210p	68	7.55
8-2	344p	66	7.22
8-8	850a	62	6.57
8-16	128p	62	6.57
8-26	1154a	62	6.57
9-5	105p	54	5.34
9-18	840a	48	4.48

FORT FIELD CANAL.

1920. 2.5' Rating Flume.

Date	Time	Hgt.	Sec.Ft.
6-26	418p	50	3.16
7-1	1255p	55	3.60
7-7	212p	50	3.30
7-13	1230p	65	
7-20	1254p	88	4.88
7-28	112p	100	5.30
8-1	521p	100	5.30
8-8	729a	121	7.87
8-16	145p	102	4.38
8-26	1215p	120	4.65
9-5	321p and quantity by dam	/	5.90
9-18	731a	68	2.80

TANNER WEST DITCH (Spring Creek)

1920. 2' Cipp. Weir.

Date	Time	Ght.	Sec.Ft.
6-26	618p		00
7-1	1100a	48	2.24
7-7	902a		00
7-19	900a		00
7-28	251p		00
8-8	614a	30	1.14
8-14	635a		00
9-3	537p	48	2.24
9-18	608a	64	3.45

TANNER FLUME DITCH (Spring Creek)

1920.

Date	Time	Ght.	Sec.Ft.
6-26	615p		00
7-1	1103a		00
7-7	904a		00
7-19	902a		00
7-28	253p		00
8-8	616a	71	1.68
8-14	640a		00
9-3	541p		00
9-18	610a		00

TANNER EAST DITCH (Sp.Creek)

1920.

Date	Time	Ght.	Sec.FT.
6-26	612p	42	2.30
7-1	1105a		00
7-7	909a	37	1.92
7-19	905a		00
7-28	255p		00
8-8	622a	24	0.99
8-14	637a		00
9-3	538p		00
9-18	617a	29	1.33

TANNER DRAIN.

1920.

Date	Time	Ght.	Sec.Ft
8-23	1145a	45	1.85

CLYDE DITCH (Spring Creek)

1920

Date	Time	Ght.	Cfs.
6-26	542p		2.18
7-1	1121a	46	2.81
7-7	926a		00
7-13	Put in gate, repaied weir and set gage.		
7-19	917a	52	3.20
7-28	232p	48	3.01
8-8	635a		00
8-14	651a	44	2.56
9-3	554p		00
9-18	634a	est	0.25

BROWN DITCH (Spring Creek)

1920.

Date	Time	Ght.	Sec.Ft.
6-26	527p		1.75
7-1	1154a		0.85
7-7	937a		1.60
7-19	928a		00
7-28	218p		00
8-8	646a		3.80 Cut.
9-3	606p		0.80
9-18	646a		0.40

STEVE JONES DITCH (Sp. Creek)

1920

Date	Time	Sec.Ft.
6-26	522p	00
7-28	215p	00
8-8	652a	00
9-18	650a	00

PARTRIDGE DITCH (Sp.Creek)

1920.

Date	Time	Ght.	Sec.Ft.
6-26	444p		0.60
7-1	1158a		00
7-19	940a		1.40
7-28	202p	40	1.21
8-8	655a		00
9-3	610p		00
9-18	655a		00

C.R. 1920.

UTAH POWER & LIGHT COMPANY.

OLMSTEAD FLUME. (Quantities at Donnon's Station.)

1920.

Date	Time.	Gage Height.	Second Feet.	
During the Spring and early Summer, replacing flume from Nunns to head, with section and construction as shown by blue print.				
7-20	Olmstead calls and states "We expect to get in tomorrow afternoon."			
7-21	Spilling at tunnel.			
7-21	700p	turning through plant 130 sec.ft.		
7-21	1100p	raised to 235 sec.ft.		
7-22	U.P.&.L.	changing flow.		
7-23	U.P.&.L.Co., have been changing flow, spent day in trying to keep canals O.K. Instructed U.P.&.L. to tun more water from flume and get to their quantity of 235 cfs. without unnecessary interference with irrigation canals. At 530p we are again fairly well settled, except one wheel out, are spilling at tunnel and useing emergency dam.			
7-23	835p	U.P.&.L. report 238 cfs. in flume.		
7-27	400p	510	221.11	raised to 235 cfs.
8-3			235.	
8-7	Low, below gage of 221 cfs. raised to 235 cfs., sufficient quantity by dam.			
8-11	Low; have raised. Arrange to put in stilwell.			
8-12	Put in stillwell(7½ pipe with ½ inch pipe connection to flume. On Olmstead flume at Donnon's Station, at station 14+00 of flume stations.			
8-13	Put in direct reading gage on stillwell.			
8-13	300p	536	225.34	
8-13	430p	Raised.		
8-13	500p	545	234.70	
8-15	1002a	545		Forebay is a little higher than usual I request Mr. Ivie, in charge of gates, to draw down a little lower on forebay. At 1030a I turn from flum at Nunns Spill and over Nunns Weir 11.06 cfs. as temporary adjustment. Balance of adjustment to be made this pm. Return to dam in pm. At 400p, forebay is same as this am., at 415 with Mr.Carter raise Taintor Gate to draw down forebay. Raised Nunns Spill to 16.90 cfs.
8-16	1030a	550	241.	
8-20	824a	577		
8-20	1145a	Phone Mr. Carter to close Nunns Spill, and we cut flume at Donnons to Ght. 545, that is approx. 235 cfs. in flume, at Donnons Station.		
8-20	600p	545		
8-26	448p	546		
8-26	450p	raised to ght. 548; 237.70 cfs. by curve.		
9-5	510p	548	213.43 cfs., I make examination of flume and find board 3'2" x 12" on top of bulkhead No.1, remove and gage immediately drops-- turn more water in flume to raise gage back to 548.	
9-6	900a	552 cut to 548.		
9-6	411p	549	222.31 cfs., raised, Request U.P.&.L. to make inspection of flume to ascertain change of rating.	
9-7	1045a	576	I go over flume to Bridal Veil Falls- Bulkhead No3.-- seems to be O.K.	

C.R. 1920.

UTAH POWER & LIGHT COMPANY.(Con)

1920.

Date	Time.	Gage Height.	Second Feet.	
9-7	1110a	576	239.27	
9-7	345p Cut to 570 ght.			
9-8	915a	569	236.63	Note:- This is joint measurement by Wentz and Jacobs, useing Mr. Jacobs Meter No. 1949.
9-8	1035a	569	230.60	Note:- Useing meter No.1351 we measure by stratas, six in depth and taken each foot-60 readings.
9-17	234p	571		
	Register instaled about Sept.10th.			
9-19	421p	565		Put in plank in Donnon stream and taking out at sandgate to ght. 570.
9-21	Call U.P.&.L.Co.--River low, I request 10cfs. over Nunns weir, and close sandgate and Donnon stream.			
9-23	321p	600	256.40	and 9.70 out at Nunns = 246.70
9-23	440p cut to 588 ght.			
10-28	1040a	584	324.36	Bulkheads removed.

Utah Power & Light Company.

From Flume to river over Nunns Spill and Weir.

Weir 2.0' x 10' Suppressed Weir.

1920

Date	Time	Ght.	Sec.Ft.	
8-15	1100a	47	11.06	
8-15	444p	62	16.90	
8-16	935a	14	1.76	I call Goodhue, he does not know how gate has become closed, has been closed but short time I open to 16.05 cfs.
8-16	950a	60	16.05	
8-16	Requested raised to ght. 64 = 17.81			
8-26	430p	18	2.57	
9-5	450p	08	0.76	
9-23	300p	43	9.70	

Utah Power & Light Company.

Leakage by Olmstead Dam:

1920.

Date	Time	Ght.	Sec.Ft.
7-15	808a		4.71
7-16	1006a		2.50
9-7	Approx.		8.00

From Flume to River Through Sandgate:-

8-15	730a	00
8-16	1035a	00
9-8	Approx.	15.

Donnon Stream Over Dam:-

8-15	740a	70	15.41
8-16	1006a	67	14.33
9-7	323p	76	17.90

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C.R. 1920.

WASATCH CANAL.

1920. 1' x 18' Suppressed Weir.

Date	Time.	Ght.	Sec.Ft.
6-14	159p	127	
7-2	839a	110	79.56
7-5	440p	74	41.76
7-5	Adj. to	.955	63.00
7-9	1153a	97	64.62
7-9	324p	90	57.24
7-8	5p	84	51.12
7-10	810a	98	65.70
7-16	1108a	76	43.47
7-29	304p	87	54.18
8-3	955a	112	82.08
8-20	153p	87	54.18
8-25	918a	64	33.48
9-6	1128a	66	35.01
9-17	510p	55	26.28

(Observations by J.H.Clegg.)

7-7		86	53.28
7-8		80	47.25
7-9	a	86	53.28
7-9	p	84	51.12
7-10		98	65.17
7-11		80	47.25
7-12		78	45.27
7-13		76	43.41
7-14		74	41.76
7-15		72	39.96
7-17		88	55.26
7-18		84	51.12
7-19	a	84	51.12
7-19	p	86	53.28
7-20		82	49.23
7-21	a	78	45.27
7-21	p	80	47.25
7-22	a	80	47.25
7-23	[illegible]	83	50.22
7-26	a	92	59.22
7-26	p	96	63.72
7-27		92	59.22
7-28	1110a	91	58.13
7-29		89	56.16
7-30		85	52.38
7-31	900a	84	51.12
7-31	1100a	87	54.18
8-1		86	53.28
8-2	800a	78	45.27
8-2	400p	94	61.29
8-3		106	75.24
8-4		94	61.29
8-5		96	63.72
8-6		82	49.23
8-7		80	47.25
8-8		90	57.24
8-11		84	51.12
8-13		80	47.25
8-18		70	38.34

NORTH FILED CANAL.

1920. 1.5' x 15' Suppressed Weir.

Date.	Time.	Ght.	Sec.Ft.
6-14	201p	120	
7-2	841a	110	63.60
7-5	443p	80	38.25
7-5	Adj. to	.725	32.71
7-9	1155a	70	31.25
7-9	326p	68	29.70
7-8	5-6p	62	25.65
7-10	812a	76	35.10
7-16	1110a	70	24.44
7-29	306p	56	21.90
8-3	957a	60	24.38
8-20	155p	68	29.70
8-25	916a	48	17.40
9-6	1130a	48	17.40
9-17	512p	45	15.60

(Observations by J.H.Clegg.)

7-7		60	24.38
7-8		62	25.65
7-9	a	62	25.35
7-9	p	60	24.38
7-10		76	35.10
7-11		58	23.06
7-12		58	23.06
7-13		54	20.88
7-14		54	20.88
7-15		54	20.88
7-19	p	66	28.35
7-20	820a	63	26.40
7-21	a	58	23.06
7-21	p	58	23.06
7-22	a	55	21.38
7-23		54	20.88
7-26	a	64	27.22
7-26	p	64	27.22
7-27	[illegible]	59	23.85
7-28		58	23.06
7-29		54	20.88
7-30		54	20.88
7-31	900a	53	20.19
7-31	1100a	55	21.38
8-1		54	20.88
8-2	800a	50	18.52
8-2	400p	48	17.40
8-3		66	28.35
8-4		56	21.90
8-5		58	23.06
8-6		52	19.58
8-7		50	18.52
8-8		58	23.06
8-11		52	19.58
8-13		48	17.40
8-18		44	16.50

C.R. 1920/

Observations by Ernest Knight:-

Wasatch Canal.
1920.

Date	Time	GH.	Disch.
7-9	1009a	95	62.53
7-20	128p	86	53.28
8-5	704p	88	55.26
8-13	328p	74	41.76
8-15	945a	68	36.54

North Field Canal.
1920.

Date	Time	GH.	Disch.
7-9	1010a	79	
7-14		54	20.77
7-20	127p	62	25.65
8-5	705p	53	20.19
8-13	320p	40	13.12
8-15	946a	37	11.70

Timpanogus Irrigation Co. Canal.
1920.

Date	Time=	GH.	Disch.
7-9	954a	74	30.74
7-14		74	30.74
7-20	1240p	73	29.08
8-13	245p	50	16.73
8-15	1036a	49	16.16

Provo Res. Co. Weir. Near Was. Dam.
1920.

Date	Time	GH.	Discg.
7-20	1259p	127	47.92
8-13	316p	89	27.63
8-15	958a	89	27.63

South Kamas Canal.
1920.

Date	Time	GH.	Disch.
7-2	122p	170	43.20
7-6	721p	170	43.20
7-6 Cut	to	134	30.00
7-8	957a	143	33.60
7-8 Cut	to	137	31.33
7-9	732a	146	
7-9 Cut	to	137	31.33
7-10	402p	92	27.60
7-11	746a	92	27.60
7-12	642a	93	28.20
7-13	532a	93	28.20
7-14	721a	92	28.00
7-15	631a	92	28.00
7-16	1116a	92	28.00
7-17	~~11~~	91.70	27.70
7-18	1020a	91	27.70
7-19	642a	92	28.00
7-20	748a	92	28.00
7-23	746p	92	28.00
7-27	729a	90	27.00
7-31	1036a	86	25.00

Washington Canal.
1920.

Date	Time	GH.	Disch.
7-2	212p	168	45.60
7-6	742p	168	45.60
7-6 Cut	to	135	22.60
7-8	936a	148	28.
7-8 Cut	to	127	21.33
7-9	746a	136	
7-9 Cut	to	127	21.33
7-10	410p	128	21.40
7-11	732a	128	21.40
7-12	713a	128	21.40
7-13	1159a	132	22.10
7-14	841a	132	22.10
7-14 Cut	to	102	14.
7-15	1129a	106	15.00
7-16	1204p	106	15.00
7-17		112	16.00
7-18	1131a	114	16.65
7-19	1035a	115	17.00
7-20	907a	112	16.00
7-23	730p	112	16.00
7-27	741a	106	15.00
7-31	1011a	100	14.00
8-8	541p	106	15.00
8-8 Cut	to		6.00

Sunrise Canal.
1920.

Date	Time	GH.	Disch.
7-8	1123a	103	7.00
7-11	1248p	103	7.00
7-11 Cut	to	93	6.00
7-13	746a	93	6.00
7-18	115p	76	4.10
7-19	532p	76	4.10
7-31	427p	75	4.05

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C.R. 1920.

PROVO RESERVOIR CO. WEIR
NEAR WASATCH DAM.

1920. 1.5' 9' Suppressed Weir.

Date.	Time	Ght.	Sec.FT.
7-9 Opened gate to			30.
7-10	841a	96	30.60
7-10	925a	129	49.02
7-16	1125a	122	45.00
7-13	"C"	120	43.83
7-29	430p	121	44.46
8-3	1011a	97	31.05
8-20	234p	109	37.62
8-25	928a	88	26.68
9-6	1137a	92	28.62
9-17	520p	24	3.67
9-16 Cut from		82	23.76

(Observations by J.H.Clegg)

7-11		127	47.92
7-12		126	47.48
7-13		120	43.83
7-17		136	53.46
7-18		130	49.72
7-19	a	130	49.72
7-19	p	130	49.72
7-20		128	48.42
7-21	p	124	46.35
7-22	a	124	46.35
7-23		124	46.35
7-26	a	144	58.68
7-27		125	46.98
7-28		125	46.98
7-29		121	44.46
7-30		121	44.46
7-31	a	122	45.00
8-1		114	40.32
8-2	800a	110	38.16
8-2	400p	82	23.76
8-3		97	31.05
8-4		93	29.07
8-5		110	38.16
8-6		94	29.61
8-7		92	28.62
8-8		94	29.61
8-13		92	28.62

TIMPANOGUS IRRIGATION COMPANY.

Suppressed Weir 1.0'x 13.25'
Instaled near head.(1920)

1920.

Date	Time.	Ght.	Sec.Ft.
7-2	906a	98	48.36
7-5	500p	96	46.90
7-5 Cut to		78	33.33
7-9	150p	72	29.41
7-9	200p	71	28.80 Adj. to.
7-8	5-6p	70	28.00
7-10	825a	71	28.75
7-16	130p	71	28.80
7-29	407p	71	28.75
8-3	1029a	73	30.18

(Observations by J.H.Clegg.)

7-7		70	28.22
7-8		70	28.22
7-9	a	70	28.22
7-9	p	70	28.22
7-10		71	28.75
7-11		70	28.22
7-12		70	28.22
7-13		70	28.22
7-14		70	28.22
7-15		70	28.22
7-17		72	29.42
7-18		72	29.42
7-19	a	73	29.08
7-20		72	29.42
7-21	p	71	28.75
7-22	a	71	28.75
7-26	a	72	29.42
7-29		71	28.75
7-30		71	28.75
8-1		71	28.75
8-2	a	70	28.22
8-2	p	70	28.22
8-3		73	29.08
8-4		71	28.75
8-5		71	28.75
8-7		56	19.81
8-8		58	20.88
8-11		56	19.81
8-13		50	16.73
8-16	1240p Cut to		00.00

C.R. 1920.

ONTARIO DRAIN TUNNEL.

1920. 4.8' Rating Flume.

Date.	Time	Ght.	SecFt.
7-2	1000a	164	17.93
8-3	1120a	160	16.41
9-6	138p	160	15.90

RIVER BELOW WASATCH DAM.

1920. Open Channel.

Date.	Time	Ght.	Sec.FT.
7-9	Adj. to		10.5
7-10			10.5
7-16	1220a	50	12.20
7-29	330p	60	16.30
8-25	945a	68	16.

MIDWAY RIVER DITCH.

1920. 8' Cipp. Weir.

Date	Time	Ght.	Sec.Ft.
7-2	1140a	est	18.
7-5	430p	est	20.
7-9	1124a	70	15.77
7-8	5-6p		18.25
7-16	1043a	51	9.81
9-6	1117a	52	10.10
9-17		34	5.34

9-17 Approx. 10cfs. by dam.

RIVER BELOW MIDWAY LOWER DAM.

1920. Open Channel.

Date	Time	Ght.	Sec.Ft.
7-2	1205p	186	
7-9	911a	164	
7-16	933a	186	41.34
7-29	1156a	200	
7-29	148p	200	64.20
8-3	204p	190	
9-6	1056a	189	

J.S.Brown Well.

1920.

Date	Time	Ght.
6-14	1050a	5.2
7-2	105p	6.00
7-16	702a	14.4
7-29	1046a	15.0
8-20	455p	15.4
9-6	1026a	14.7

SPRING CREEK & SAGE BRUSH CANAL.

1920. 9' Rating Flume.

Date	Time	Ght.	Sec.Ft.
6-14	1116a	166	
7-2	1215p	132	
7-9	822a	104	26.66
7-16	846a	93	21.07
7-29	1120a	106	22.84
8-3 Out for cleaning.			
8-20	318p	110	
9-6	1049a	110	

CHARLESTON UPPER CANAL.

1920. Weir out of repair.

Date	Time	Ght.	Sec.Ft.
7-9	858a	38	12.04
7-16	914a	36	11.06
7-29	1145a		14.

CHARLESTON LOWER CANAL.

1920. 8' Rating Flume

Date	Time	Ght.	Sec.Ft.
6-14	1054a	124	
7-16	630a	134	15.10
7-16	Cut.		
7-16	505p	112	10.08
7-29	1025a	118	9.75
8-3	720a	132	9.79
9-6	1005a	168	17.62
9-6 Cut to			11.

C.R. 1920.

MEMORANDUM.
Notes of Mr. Wentz.

March.

Cordie Clegg and Jowett Fortie, report on trip to Reservoirs:
Left Heber March 9th, Arrived Woodland, 18" snow.
March 10, at Stewart house 24" snow, arrived at Soapstone.
March 11, Arrived Meldrum Cabins.
March 12, Arrived Lakes.
March 13, at Lake District, Snow Depths;- Trial Lake 6 feet, Washington Lake 7 feet.-- bottom 2 feet solid and iced, balance wet and heavy.
March 14, return, Soapstone 4.5 feet, Meldrum Cabin 5 feet, Corrals 5 feet, Upper Stewart Ranch 4 feet, upper house at Stewarts 3 feet, Stewart Ranch house 2 feet, storms every day except Saturday, 8" new snow at Stewarts Sunday.
Morgan Park (Forest Service) says-- Feb. 26th, rain and snow packed and iced. All snow except bottom 2 feet came since Feb. 26.

May 5,1920.

Provo Bench Lower Stat.	837a	94	
West Union	847a	83	

May 8, 1920.

U.S.G.S.Gage	630a	253,	river turbid, road blocked at Rock Slide

May 17, 1920.
Ran levels over Timpanogus Irrigation Company canal and set grade stakes, reconstruction as an earth ditch, to capacity of 50cfs.

May 31, 1920.

Provo Bench, Ls.	700p	214	Started Register.

June 6, 1920.

Provo Bench, U.St.	527p	190	
" " LS.	550p	217	
" " LS.	600p	217	Put on new roll of paper.

June 9,1920.

Provo Bench, US.	112p	192	Small break near head.
Provo Res. Canal	231p	280	

June 10,1920.

Provo Bench US.	1150a	184	

June 14, 1920.

Provo Res. Canal	906a	278	
" " Lat.# 1.	906a		4.50*
USGS. gage	941a	288	
J.S.Brown Well	1050a	5.2	
Charleston Lower Can.	1054a	124	
SP.Creek & Sagebrush	1116a	166	

Cordie Clegg, reports on trip to lakes:- June 6, first snow just above Meadows, ground covered at corral, 3 feet at cabin, 5 feet at North Fork divide, about 80 cfs. from big lakes, 50 cfs. from Lost Lake, 20 cfs. from North Fork Lakes, Wall Lake lacks 4 feet of being full, Lakes are covered with ice and snow.

June 14, 1920, A.A.Lindsy and son are at lakes as caretakers for summer.

Wasatch Canal	159p	127
North Field	201p	120

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June 18, 1920.

Provo Bench, LS.	1130a	200		
" " US.	530p	198	158.34	

Spent day putting in dams.

June 19, 1920.

Provo Bench US.	600p	210		
" " LS.	650p	236		

June 21,1920.

Provo Bench LS.	1055a	238	173.10	
West Union	1144a	114	56.04	
Provo Res. Canal	1151a	278	176.33	
" " Lat. #1	1151a	69	3.55	179.88

June 22, 1920.
About 5 cfs. to lake.
William Sessions successor to John A.Johnston.
On request of Wasatch County parties, John H.Clegg is to act as deputy Commissioner in Wasatch County. Met Knight and Clegg and arranged for instalation of weirs.

June 24, 1920.

West Union Canal	740p	108	51.36	Cut.
Provo Bench US.	750p	206		Cut.

Made adjustments.

June 25, 1920.

City Race	610p	108	18.00	
East Union	614p	88	23.73	
Factory Race	617p	90	31.00	
Tanner Race		est	16.	Not settled.
			88.73	

Made temporary adjustment over system, cutting canals at mouth of canyon.

June 26, 1920.

City Race	325p	72	8.70	
East Union	330p	70	16.46	
Factory Race	333p	100	34.60	
Tanner Race	350p	58	12.61	
			72.37	
Fort Field	418p	50	3.16	
River Below Fort Fd.	427p		5.25	
Partridge ditch	444p		0.60	
Over Spill			(4.	)Approx
George Taylor Ditch	454p		00	
Brown Ditch	527p		1.75	Approx. scattered.
Clyde Ditch	542p		2.18	
Tanner E.Ditch	612p	42	2.30	
" Flume	615p		00	
" W.Ditch	618p		00	
			31.80	

June 27, 1920.

Provo Bench LS.	905a	184	106.00	
West Union	947a	100	45.36	
Park & Nuttal	949a	70	6.39	
Barton & Young	1000a		5.50	Approx.
Provo Bench US.	1004a	163		
Provo Res. Canal	1006a	282	180.00	
" " Lat #1.	1006a		00	
Wm. Cluff Ditch	1027a	00	00	
Young Ditch	1237p		00	
Baum Ditch	1237p		00	
Upper East Union & F.Fd.	1032a		24.	Stream out above weir.
Timpanogus	1045a	110	21.79	
Dry Creek	148p	74	9.00	

Factory Race	1253p		2. Approx. Lkg.
East Union	1255p	92	25.43
City Race	107p	104	1813
Tanner Race	135p	67	15.84
			61.40
Water works assumed			6.

River Bottoms:

C	1015a		0
D	1019a		0
E	1021a		0
F	1022a		0
G.	1025a		2.25 Approx.
I	1110a	50	2.36
J	1130a	70	7.01
L.	1206p	50	2.58
M.	1226p		0
N	1227p		0
O	1228p		0.25
			14.45

Grand Total 26-27 511.69 second feet.

Temporary adjustment for this p.m.:
Provo Bench C. & I. Co. 68.77 cfs.= 1520 shares, Provo Res. Co. and Caleb Tanner are passing thru P.B.Canal the equivalent of 363 shares of stock = 16.42 cfs., and by laterals South of canyon road 15 cfs., and Caleb Tanner has by award 0.25 cfs., and allowing 6.00 cfs for losses = 68.77 + 16.42 + 15.00 + .25 + 6.00 = 106.44 for decreed rights.
By cutting upper canals to decreed rights, drop of river will leave lower users O.K.

UEU&FF.	325p	Cut o.20'at head.
Timpanogus	4p	Cut o.20' at head.
Park & Nuttal		Cut
Barton & Young		Cut
West Union	600p	cut to 84 34.08cfs.

June 28, 1920.
Over system before breakfast, met Peay at Brickyard "City about same as yesterday."
Delivered to Fred Ferguson schedules for 1920 for E. River Bottom Water Company.
Delivered to Mrs. Rambaud, schedule
" " Wm. Cluff "
Took out Emergency dam and put back in in better shape.
Raised one tailrace gate and one West Union gate.
Mailed schedule to Henry Smith Jr.
Mailed schedules to Spring Creek users.

June 29, 1920.

West Union	1115a	84	34.08.
Provo Bench US.	1126a	164	
Tanner Race	252p	38	6.60
City Race	302p	50	4.70
East Union	307p	62	12.50
Factory Race	309p		17.68
			41.48
Timpanogus	350p	116	
UEU&FF	354p	85	

At 430p Dam at head city Creek -- in.
Raised 2 tailrace gates, Cut Timpanogus, Cut U.EU&FF, Cut Provo Bench, Spent evening making adjustment.

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Factory Race	1253p		2. Approx. Lkg.
East Union	1255p	92	25.43
City Race	107p	104	1813
Tanner Race	135p	67	15.84
			61.40
Water works assumed			6.

River Bottoms:

C	1015a		0
D	1019a		0
E	1021a		0
F	1022a		0
G.	1025a		2.25 Approx.
I	1110a	50	2.36
J	1130a	70	7.01
L.	1206p	50	2.58
M.	1226p		0
N	1227p		0
O	1228p		0.25
			14.45

Grand Total 26-27 511.69 second feet.

Temporary adjustment for this p.m.:
Provo Bench C. &. I. Co. 68.77 cfs.= 1520 shares, Provo Res. Co. and Caleb Tanner are passing thru P.B.Canal the equivalent of 363 shares of stock = 16.42 cfs., and by laterals South of canyon road 15 cfs., and Caleb Tanner has by award 0.25 cfs., and allowing 6.00 cfs for losses = 68.77 + 16.42 + 15.00 + .25 + 6.00 = 106.44 for decreed rights.
By cutting upper canals to decreed rights, drop of river will leave lower users O.K.

UEU&FF.	325p	Cut o.20'at head.
Timpanogus	4p	Cut o.20' at head.
Park & Nuttal		Cut
Barton & Young		Cut
West Union	600p	cut to 84 34.08cfs.

June 28, 1920.
Over system before breakfast, met Peay at Brickyard "City about same as yesterday."
Delivered to Fred Ferguson schedules for 1920 for E. River Bottom Water Company.
Delivered to Mrs. Rambaud, schedule
" " Wm. Cluff "
Took out Emergency dam and put back in min better shape.
Raised one tailrace gate and one West Union gate.
Mailed schedule to Henry Smith Jr.
Mailed schedules to Spring Creek users.

June 29, 1920.

West Union	1115a	84	34.08
Provo Bench US.	1126a	164	
Tanner Race	252p	38	6.60
City Race	302p	50	4.70
East Union	307p	62	12.50
Factory Race	309p		17.68
			41.48
Timpanogus	350p	116	
UEU&FF	354p	85	

At 430p Dam at head city Creek -- in.
Raised 2 tailrace gates, Cut Timpanogus, Cut U.EU&FF, Cut Provo Bench, Spent evening making adjustment.

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June 30, 1920.
Cut Provo Res. Canal-- 25.cfs. at 630a.

City Race	700a	82	11.00
East Union	707a	76	18.67
Factory Race	709a	76	34.76
			64.43

Call Jacobs and ask him to regulate Provo Res. Canal to 265cft.
Call Peay and request him to turn by City to Dry Creek.
Go to Breakfast at 8 am.
With Peay Cut East Union, City Race and Factory Race, and turned addition to Dry Creek, put in gate in Tanner Race dam.

River Bootom "O"	1050a	est	5.00 cut to 00 Off schedule
UEU&FF.	1114a	51	10.37 raised.
Timpanogus	1118a	90	15.30
Provo Res. Canal	1150a	265	
Provo Bench US.	1155a	152	
West Union	12m	74	Working on dam.

July 1, 1920.

West Union	520a	80	
Provo Bench US.	524a	152	
UEU&FF	551a	68	
City Race	618a	86	12.10
East Union	631a	70	
Factory Race	633a	81	
Little Dry Creek	700a	90	11.50
Tanner W.Ditch	1100a	48	
" Flume	1103a		0
" E.Ditch	1105a		0
" Barn Ditch	1112a		0
Clyde Ditch	1121a	46	2.76
Clyde-Davis Ditch	1146a	~~1x75~~	1.75
Brown Ditch	1154a		0.25
Partridge Ditch	1158a		0
Over Spill	1207p		0
George Taylor Ditch	1207p		0
Lake Bottom Canal	1209p	78	12.71
Fort Field	1255p	55	3.60
River Below Ft. Fd.	105p		0
Little Dry Creek	222p	70	7.89
Tanner Race	237p	48	9.48
City Race	246p	67	7.42
East Union	302p	74	17.93
Factory Race	304p	77	35.60
			70.43
Waterworks assumed			6.
Dixon Ditch	307p		0
Young "	325p	60	1.75
Baum "	325p		0
Wm. Cluff Ditch	429p		0
UEU&FF	431p	68	16.24
Timpanogus	434p	90	15.06
Provo Res. Canal	510p	260	161.46
" " Lat. #1	510p		0
Provo Bench US.	540p	150	
Barton & Young			2.44
West Union	550p	101	46.08
Park & Nuttal	553p		7.13
Provo Bench LS.	607p	171	92.79

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7-1-20 (Con)
River Bottoms;

C	455p		0
D	454p		0
E	453p		0
F.	452p		0
G.	427p	est	0.65
I	418p	105	8.06
J.	404p	82	8.00
K	344p		0
L	400p		0
M	342p		0
N	342p		0
O	340p		0
			16.71

Grand Total 465.05 second feet.

Made adjustment as per sheet of this date.

July 2, 1920.

Provo Bench LS.	530a	174		
West Union	545a	90	38.16	cut to ght. 80
USGS gage	625a	90		
Wasatch Canal	839a	110	79.56	
North Field	841a	110	63.60	
Timpanogus Irrig.	906a	98	48.36	
Ontario Tunnel	1000a	164	17.93	
Midway River Ditch	1140a	est	18.00	Weir Cut.
River Lower Midway D.	1205p	186		
Sp. Cr. & Sagebrush	1215p	132		
Brown Well	105p	6.00		
USGS gage	305p	85		
West Union Dam dry.				
West Union	450p	84	34.08	
Provo Res. Canal	505p	254		
" " Lat #1.	505p		0	
City Race	4-5p	58	5.90	(Peay)
Union	4-5p	65	14.61	"
Factory Race	4-5p	76	34.76	"

July 3, 1920.

East Union	623a	66	15.03
Factory Race	626a	74	33.50
City Race	640a	68	7.80
			56.33

Lake Bottom Canal reports shortage.
At office balance of day.

July 4, 1920.

Lake Bottom Canal	825a	56	
Went over head Lake Bottom Canal, need new cut to river.			
Little Dry Creek	1026a	60	6.26
~~Tanner Race~~	~~1018a~~	~~56~~	~~11.25~~
Tanner Race	1018a	56	11.96
City Race	1050a	104	18.13
Factory Race	1058a		1.50
Union	1100a	98	21.21
			58.80

Turn to West Union additional 5 cfs. and turn this amount to west side over Schemensky spill (To Lake Bottom)

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July 5, 1920.

West Union	545a	90	38.16
Provo Bench US.	550a	142	
Provo Res. Canal	555a	228	
" " Lat. #1	555a		0

Cut Provo Reservoir Canal to pass same amount by Heiselt dam as marked yesterday after adjustment(Gage plug in forebay)

Provo Res. Canal	715a	200	

On call from Wasatch County go to Heber in pm.

Midway River Ditch	430p	est	20.
Wasatch Canal	440p	74	41.76
North Field	443p	80	38.25
Timpanogus	500p	96	46.90
			146.91

Distribution:-

Wasatch Irrig. Co.	41.67 + 5. loss	46.67
North Field	35.71	35.71
Midway (Temporary)		20.
		102.38

Assuming 100% we have:

Wasatch Canal 46.67 + Extension Of 13.33 + 3 Bily Mac. =	63.
North Field - 35.71 - 3 Billy Mac.	32.71
Timpanogus	33.33
	129.04
Midway	20.
	149.04

Cut Timpanogus to	78	33.33
And Adj. Wasatch to	.955	63.
" " N.Field to	.725	

USGS.	715p	65	

July 6, 1920.
Over Spring Creek, turned more water over Schemensky spill and turned over Lake Bottom Spill 3½ cfs to Fort Field, and took out dam in Taylor Field to pass same to river. Putting in cut and dam at head Lake Bottom Canal.
Released R.D.Glazier, Been working on propoed decree as office stenographer.

July 7, 1920.
From West Union to Lake Bottom et al over schemensky spill

	845a		(6.04 cfs)
Tanner West Ditch	902a		0
" Flume	904a		0
" East Ditch	909a	37	1.92
Clyde Ditch	926a		0
Clyde-Davis Ditch	933a		0
Brown Ditch	937a		1.60 Approx.
Lake Bottom Canal	950a	70	11.40
George Taylor Ditch	955a		0
			14.92

Provo Bench Ls.	1050a	176	92.80
West Union Canal	1058a	87	36.12
Park & Nuttal	1101a		3.80
Barton & Young	1105a	est	0.50
Provo Bench US.	1107a	150	

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7-7-20 (Con)

Provo Res. Canal	1112a	180	88.11	
" " Lat. #1.	1112a	53	2.60	/ 90.71
Timpanogus	1205p	94	15.70	
UEU&FF.	1207p	68	16.24	
Wm. Cluff Ditch	1210p	60	3.58	
Young Ditch	149p		0	
Baum Ditch	150p		0	
Dixon Ditch	122p		0	
City Race	105p	65	7.30	
Union	115p	62	13.60	Mean run 66
Factory Race	118p	68	29.72	" " 70
Tanner Race	135p	49	9.76	
			60.38	
Waterworks assumed			6.	
Dry Creek	145p	64	6.89	
Fort Field	212p	50	3.30	
By Fort Field	215p		0	
River Bottoms:				
C.	1145a		0	
D	1147a		0	
E	1148a		0	
F	1150a		0	
G.	1156a		0	
I	1213p	110	8.45	
J	1230p		0	
L.	1233p		0	
K	1237p		0	
M	1238		0	
N	1239p		0	
O	1241p		0.10	
			8.55	

Grand Total 353.45 second feet.

Made adjustment this pm.

July 8, 1920.
Lake Bottom has new cut to river. Cut spill from West Union to 00
Cut West Union at Head.

Provo Res. Canal	550a	168	Gage at Heiselt dam OK.	
City Race	630a	60	6.20	
Union	650a	60	12.95	
Factory Race	653a	54	21.39	
Tanner Race assumed			9.76	
			50.30	

Return to Mouth Canyon cut Provo Reservoir Canal from 104 to 96 on gage at head.

West Union	916a	80	31.50	Cut to Ght 78
Provo Bench US.	922a	150		
River Bottoms.				
C.	934a		0	
D.	936a	about 12cfs. out at opening by barn, gate torn out, water over orchard, cut to approx 5cfs. Spent forenoon in river bottoms regarding size of streams and gates. Cut I & J.		
City Race	1158a	56	5.50	Raising
Union	12M	64	14.38	"
Factory Race	1205p	68	29.72	"
			50.10	

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July 9, 1920.

Sp. Creek & Sagebrush	822a	104	26.66	
Upper Charleston	858a	38	12.04	
Midway Low. Dam	911a	164		
Island Ditch	915a	est	10.	
Midway River Ditch	1124a	70	15.77	Repaired Weir(8' Cipp.)
Johnson & Ford	1135a	est	2.50	
Wasatch Canal	1153a	97	64.62	
N.Filed	1155a	70	31.25	
Timpanogus	150p	72	29.41	Cut to Ght. 71 = 28.80cfs

That is Timpanogus storage of 30cfs less 4 % = 28.80
Make change at Wasatch Dam, leaving 10.50 cfs. by Wasatch Dam for Midway & Johnston & Ford. Open Provo Res. gate to 30 cfs.

Wasatch Canal	334p	90	57.24
North Field	326p	68	29.70
Timpanogus			28.80
Midway et al	~~10.50~~		10.50
			146.24

By Clegg, yesterday we had as follows:

Wasatch	5p	84	51.12
N.Filed	5-6p	62	25.65
Provo Res. Weir	5-6p		0
Timpanogus	5-6p	70	28.
Midway River Ditch	5-6p		18.25
By Midway Dam			5.50
			128.52

Distribution:
Mr. Lindsy, caretaker at reservoirs, returned to reservoirs on the 7th inst. he was instructed to release 70 cfs. of storage. Telephone to Kamas is not working, so am unable to get word of how much and when storage was released. For to-night make following distribution:

Wasatch Canal, 41.67 + 3. B.M. + 5 Loss =	49.67
N.Field 35.71 - 3.B.M. = ...	32.67
Midway and J.&.F. 10.50 + 12.17	22.67
Total	105.05

146.24 - 105-05 = 41.19 I assume that 18 cfs. of storage has arrived, leaving for 14th class rights 23.19 of which 18.59 is Timpanogus and 4.60 for Extension, that is Wasatch Canal is entitled to 49.67 + 4.60 = 54.27 = ght. of .865 and I charge Timpanogus begining at 2 pm with 28.80 - 18.59 = 10.21 of storage and I charge P.R.Co & Sego with 18 cfs - 10.20 = 7.80 then P.R.Co. & Sego should have by dam 7.80 + tunnel of 12.43 = 20.63 -- to Provo Division.

July 10,1920.
Unable to get lake by phone.

Wasatch Canal	810a	98	65.70
North Field	812a	76	35.10
Timpanogus	825a	71	28.75
Provo Res. Weir	841a	96	30.60
By Wasatch Dam			10.50
			170.65

Distribution:-

Wasatch Canal, 41.67 + 5 loss + 3 BM. =	49.67	Ght of .815
N.Field 35.71 - 3 BM. = ...	32.71.	" " .725
Timpanogus	28.75	" " 71
Midway and J&F.	10.50	
	121.63	

P.R.CO. Tunnel water 12.43, P.R.Co. & Sego storage 40 less 4% 38.40, Midway and J.&.F. 10.50 = total of 61.33, and by Wasatch Dam 10.50 = 50.83 by P.R.Co. Weir, That is I cut all rights to decree and Pass thru P.R.Weir 49.02 = Ght. 129.

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July 10, 1920.
Provo Reservoir Weir 925a 129 49.05
Cut Midway River Ditch to 10.50 and left note on gate for Alder.
Storage and tunnel water of P.R.Co. and Sego going by Midway Upper Dam
Island Ditch 7.23 Cut to 6 cfs. and gate
nailed in and marked.
USGS. gage 140p 58

July 12, 1920.
West Union 511a 84 34.08
Provo Bench US. 520a 154
City Retains Factory Race water for irrigation.
Turn by Tanner Race dam 3 cfs for Fort Field.
Little Dry Creek 700a 68 7.55
Turn by Dry Creek Dam 3 cfs for Fort Field.
Request Henry Williams and Jacobsen to allow part of seepage water on west side and amount over Lake Bottom spill to go to Fort Field.
Turn 6 cfs over Schemensky spill to West side. Lake Bottom canal low at road crossing.

West Union 547p 82 32.82
Provo Bench US. 600p 148
Provo Res. Canal 605p 208
West Union 614p Raised
Provo Bench 616p Drift in gates- removed.

July 13, 1920.
Spent forenoon putting headgate in clyde Ditch, and repairing weir and setting gage.
Lake Bottom Canal 1215p 105 Put on gage.
Fort Field 1230p 65 " " "
Provo Bench LS. 555p 175
" " " 600p 177 Changing.
Provo Res. Co from Provo Bench ,North opening 12.51 cfs. ~~xx~~ cut to 8.

July 14, 1920.
West Union 542a 89 37.44
Provo Bench US. 547a 150
UEU&FF. 559a 68 16.24
Timpanogus 603a 102

City Race 639a 98 16.10
Union 643 88 23.73
Factory Race 645a 1.50
Tanner Race 919a 57 12.28
53.61
Little Dry Creek 904a 70 7.89
Talked with Lindsy at Lakes he reports:- 43 cfs. from Trial and Washington, 40cfs from Lost, 7 cfs from N.Fork, I instruct him to cut to total of 80 cfs. E.A.Jacobs of P.R.Co. going to lake to-day.

July 15. 1920.
At Office. ordered by phone 15cfs. of storage for Wasatch at 830pm.

July 16, 1920.
USGS gage 545a 65
Charleston Low,Can. 630a 134 15.10
Brown Well 702a 14.4
Sp. Cr.& Sagebrush 846a 93 21.07
Upper Charleston 914a 36 11.06
Riv. Lower Dam 933a 186 41.34
Island Ditch 1016a 7.00 atgage nail
Midway River Dtch 1043a 51 9.81
Johnston upper Dtch 1050a 1. Out above weir.

July 16, 1920 (Con)

Wasatch Canal	1108a	76	43.47	
N.Filed	1110a	70	24.44	Drowned 49
Provo Res. Weir	1125a	122	45.00	
River Wasatch Dam	1220a	50	12.20	
Hatch Baum Ditch	1246p		(4.07)	
Timpanogus	130p	71+	28.80	

Total at Wasatch Dam 153.91 cfs
1cfs from Hatch ditch 1.00
154.91

Ontario Tunnel water 17.93
Storgge water 70 less 4%67.20
Total Stor.& Tun. 85.13
154.91 - 85.13 = 69.78 Natural river Wasatch Dam.
Wasatch Canal loss 4cfs. = 65.78 to be distributed.

Wasatch Decreed rights 41.67
N.Field 35.71
Midway and J.& F. 5.00
82.38 = 80 % of award.
Distribution on 80 per cent with balance for drop.

Wasatch 80% 33.30 + 4 loss + 3 BM. = 40.30
N.Field " 28.50 - 3 BM. 25.50
Timpanogus 28.80
Midway and J.%.F 5.5 Tunnel + 4.0 . . . . . 9.50
P.R.CO. & Sego Storage 38.40 + 12.43 Tunnel 50.83
154.93

12.20 Hatch Bridge, 1. from Hatch Baum Ditch = 13.20
And Provo Res. Co. & Sego 50.83 + 9.50 Midway etal = 60.33-13.20=
47.13 to go by P.R.Weir = ght. 125. Made adjustment.

George B.Jordan claims that as successor to Eldora Hatch he is entitled to 20 acres more water right. For temporary adjustment of this right I extend his time and make new ticket--see files, mailed to George B.Jordan and J.H.Clegg.

Arrange to have Mr. Clegg go over river between Midway dams.

Cut Lower Charleston canal, after cut made measurement.
Lower Charleston 505p 112 10.08

E.A.Jacobs, returns from reservoirs and reports:
Lost Lake released at 10am July 9th, about 60 cfs.
7 cfs. from N.Fork, 10am July 8th.
July 7, 8pm turned 43 cfs. from Trial and Washington, total 110 cfs
July 14, 6pm, cut Trial to 33.
July 15th, 84op-- 15 cfs ~~from~~ for Wasatch from Trial.
Inflow: Lost lake 1.9cfs, Wall Lake 2.0 cfs. Washington 3.50,
Trial 1.00, total 8.40, Drawing now 94 cfs.

July 17, 1920.
Made adjustments along Spring Creek.

July 18,1920.
Over Spring Creek in am. Over East side in pm.
West Union 64op 90 38.16

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July 19, 1920.

Tanner West Ditch	900a		0	
" Flume	902a		0	
" East Ditch	905a		0	
Clyde Ditch	917a	52	3.40	
Brown Ditch	928a		0	
Partridge Ditch	9.40a		1.40	
George Taylor	943a		1.25	
Lake Bottom Canal	945a	67	10.24	
Ashted Taylor Ditch	1002a	est	0.75	
			17.04	No spill.

Made arrangement with West Union to take some water to Lake Bottom Canal.

July 20, 1920.

I again turn over Schemensky spill from West Union 6 cfs. for West Side. I engage F.F.Carter to watch this gate.

Provo Bench LS.	755a	182	93.20	
West Union	832a	90	38.16	
Park & Nuttal	834a		3.80	
Barton & Young	840a	est	0.50	
Provo Bench US.	842a	150		
Provo Res. Canal.	845a	205	98.01	
" " Lat. #1.	845a		0	
Provo Res,Can at head	931a	140		
Put in gage hub at rock point on Timpanogus.				
UEU&FF.	1010a	68	16.24	
Cluff Ditch	957a		0	
Young Ditch	1118a		0	
Baum Ditch	1120a		2.25	Approx--scattered.
Timpanogus	1016a	114	15.16	
City Race	1137a	100	16.46	
Union	1202p	92	25.43	
Factory Race	1204p	est	1.50	
Tanner Race	1220p	60	13.40	
			56.79	

River Bottoms:

C	944a		0	
D	948a	est	(2.)	Returned to creek.
E	952a		0	
F.	954a		0	
G.	956a		0.10	
I	1004a		0	
L	1055a		1.25	
J	1058a	80	7.80	
K	1106a		0	
M	1107a		0	
N	1108a		0	
O	1109a	est	0.20	
			9.35	

Little Dry Creek	1228p	76	8.92	Cut.
Fort Filed	1254p	88	4.88	
River by FT.Fd.	107p	est	1.25	
Waterworks assumed			6.	

Grand Total 372.93 cfs.

Olmstead calls and states "We expect to get in to-morrow afternoon"
Clegg requests 10cfs. more storage for Wasatch.

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July 21, 1920.

Utah Power & Light Co., spilling at tunnel spillway.
Adjusted P.R.Canal to yesterdays flow.
Notified Chipman of Timpanogus to make dam tight today.
Called Knight and instructed him to cut all first class rights in Summit County to 80%.
Utah Power & Light; turn thru plant at 7 pm, approx 130 cfs., at about 11pm raised to 235 cfs., this cut part of P.R.Co water, on account of dam not being tight and Timpanogus is reduced to 00, on account of dam not being tight, approx. 45 cfs by Timpanogus Dam. At 11-12 pm go over canals, P.R.Co. at gage at head 130
Provo Bench 1130p 158
Go home at 1150pm.

July 22, 1920.
Quantity to pass Nunns, 38.40 storage, 2.50 Dixon right; 3.50 Wright estate, total 44.40.
Mr. Carter.(U.S.G.S) " Yesterday when they changed gage she was 63 and when put in at bridge she was 222" Gage 7-22-20-- 223
Then todays total is 357., and that is P.R. Co. may take up to 357- 249 + 108 thru P.R.Canal.
U.P.&.L.Co. making changes in flow, hold canals to proper ght. at mouth of canyon as near as possible with fluctuating heads.
Timpanogus dam in at 130pm, running OK. at 3pm.
Provo Reservoir Co. have tight dam in. Drawing for Timpanogus from river and valve from P.R. Co. syphon, conditions fairly well settled at 630pm.

July 23, 1920.

East Union	828a	88	23.73
City Race	845a	94	14.50
Tanner Race	915a	51	

Timpanogus OK at plug.

Provo Bench US.	1024a	158	
Provo Res. Canal	1031a	158	
" " Lat. #1.	1031a	43	1.90

U.P.&.L.Co. have been changing flow, spent day in trying to keep canals Ok.
Instructed UP&LCo. to turn more water from flume and get to their quantity of 235 cfs. without unnecessary interference with irrigation canals. At 530pm we are again fairly well settled, except one wheel out of UP&L., are spilling at tunnel and am useing emergency dam.
Provo Bench US. 530p 154
P.R.Co. pumping to Timpanogus, P.R.Canal at dam 140.
At 630p No spill Heiselt dam gage 132.
Provo Bench US. 650p 150
West Union 656p 82
Provo Res. Canal 830p 198
At 835p UP&LCo. report 238 cfs. in flume.
Mr. Johnson in charge of P.R.Co. pumps. I have him start 10cfs. pump to P.R.Canal; started at 842p
Provo Bench US. 855p 153
At 905p Timpanogus ½" low, raised from river.
P.R.Canal 1040p 202.

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July 24, 1920. "Stormy."

Provo Bench LS.	850a	186	
West Union	912a	84	34.08
Provo Res. Canal	920a	214	
" " Lat. #1.	920a		0
Timpanogus	928a	OK at plug.	

River Raising, turn additional to P.R.Canal. U.P.&.L. Spilling.

July 25, 1920.
All canals OK. on trip over sysytem.

July 26, 1920.	548p	86	35.52
Provo Bench Us.	552p	154	
P.Res. Canal.	556p	220	
" " Lat. # 1.	556p		0

Shut dowm P.R.Pump #2 at 604 p.

Timpanogus OK.	610p	OK. at plug.	

Cut Provo Bench 0.12' at head.

Provo Bench US.	625p	150	
Provo Res. Canal	630p	212	
" " Lat. #1.	630p		0

Observe from outline of distribution P.R. Canal on Ght. of 223, USGS should run at 210. This adjustment raises City Creek to Proper Ght.
U.P.&.L state"we are carrying thru flume same quantity of water. If this were the case City Creek would have maintained to-day same quantity and P.R.Canal would have born all the drop, expect condition to be settled so I can make measurement to-morrow.
River Bottoms:

C.	645p		0	
D	647p		0	
E	648p		0	
F	649p		0	
I	700p	110	8.45	Cut to 6.50 cfs.
J	715p		0	
KMNO			0	
Lake Bottom Canal	756p	97		
City Race	817p	88		
Union	822p	86	22.87	

July 27, 1920.

Tanner Race	620a	50	10.10
City Race	631a	82	11.00
Union	635a	84	21.95
Factory Race	637a		1.50
			44.55

Ditch J of river bottoms, approx. 12 cfs. cut to 6 cfs.

Provo Res. Canal	730a	210	
" " Lat. #1.	730a		0

Closed the spill from West Union to Lake Bottom.
Held conference with River Bottoms. Cut UFU&FF.
Cut West Union at head.

Olmstead Flume "D"	400p	510	221.11 Raised to 235 cfs.
Provo Bench US.	704p	148	
Provo Res. Canal	710p	200	
" " Lat. #1.	710p		0

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July 28, 1920. Cloudy.

Provo Bench LS.	805a	182	93.89	Has been cleaned.
West Union	845a	82	32.82	
Park & Nuttal	847a		2.47	
Barton & Young	853a		1.75	
Provo Bench US.	855a	149		
Provo Res. Canal	858a	190	85.42	
" " Lat. #1.	858a		0	

P.R.Pump #1 running to Timpanogus.
Timpanogus OK at gage plug.

UEM&FF.	950a	59	13.04
Timpanogus.	1004a	114	14.12
Cluff Ditch	942a		0
Baum Ditch	1102a		0
Young Ditch	1102a		1.38
Dixon Ditch	1147a		0
City Race	1125a	104	18.39
Union	1142a	86	22.88
Factory Race	1144a	est	3.00
Tanner Race	1158a	56	11.96
			55.23
Little Dry Creek	1210p	68	7.55
Waterworks assumed			6.00
Fort Field	112p	100	5.30
River By FT.Fd.	122p		0
River Bottoms:			
C.	937a		0.10
D.	939a		0
E	940a		0
F	941a		0
G	945a		0
I	954a		0
L	1035a		0.75
J	1040a	75	6.55
K	1049a		0
M	1050a		0
N	1052a		0
O	1054a	est	0.25
			7.65
Lake Bottom Canal	136p	80	13.20
George Taylor Ditch	151p	est	0.80
Ashted Taylor "	154p		0
Partridge Ditch	202p	40	1.21
Steve Jones Ditch	215p		0
Brown Ditch	218p		0
Clyde Ditch	232p	48	3.01
Tanner West Ditch	251p		0
" Flume "	253p		0
" East Ditch	255p		0
			18.22

Grand Total 345.84 second feet.

July 29, 1920.

Provo Reservoir Canal	1822a	200	
" # Lat #1.	822a		0

Utah Power & Light are taking the additional quantity thru flume.

Provo Bench US.	845a	152	
Have UP%L.CO cut to 235 cfs.			
Lower Charleston	1025a	118	9.75
Brown Well	1046a	15.0	
SP.Cr. &Sagebrush	1120a	106	22.84
Upper Charleston	1145a	14.00	
Riv. at Mid. Low.D.	1156a	200@	
" " " " "	148p	200	64.20
Island Ditch	140p		6.
Wasatch Canal	304p	87	54.18
N.Field	306p	56	21.90
Riv. Wasoth Dam	330p	60	16.30
Timpanogus	407p	71	28.75
P.Res. Weir	430p	121	44.46
			165.59

Distribution:-

Provo Res. Co Storge	35.52
" " " Tunnel	6.21
UP%LCo. Tunnel	6.22
Wasatch Storage	24.00
Timpanogus Storage	28.80
Midway Tunnel	5.50
	106.24

165.59 - 106.24 = 59.35 Natural river.
Wasatch Loss, 4 cfs, = 55.35 to be distributed.

Wasatch decree	41.67
N. Field "	35.71
Midway and J.&.F.	5.
	82.38 + 67 % decreed right.

Then Wasatch = 24 storage + 4 loss + 27.92 + 3 BM =	58.52
N.Field = 23.92 - 3 BM. = ...	20.92
Timpanogus = ...	28.80
Provo Res. Co	41.73
U.P.%.L.	6.22
Midway 5.50 Tun. + 67% Of 5 = ...	8.85
	165.44

Provo Res. Co.	41.73
Midway	8.85
UP.%.L.	6.22
Total	56.80 -16.30 = 40.50 to go by Provo Res. Weir

= Ght. of 114.

July 31, 1920.

Provo Bench Ls.	835a	180	
West Union Canal	854a	78	30.18
Provo Bench US.	859a	148	
Provo Res. Canal	905a	196	
" " Lat. #1.	905a		0

City Creek,high, Timpanogus OK.

August 1, 1920.

Fort Filed	521p	100	5.30
Tanner Race	600p	58	12.61
City Race	610p	96	15.10
East Union	615p	81	20.72
Factory Race	617p		2.00
			55.73
Provo Bench Us.	642p	147	
Provo Res. Canal	646p	196	
" " Lat. #1	646p		0

August 2, 1920.

West Union	107p	82	32.82
Provo Bench US.	112p	147	

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Aug. 2,1920. (Con)

Provo Res. Canal	115p	196		
" " Lat.#1.	115p		0	
Cut West Union.				
Timpanogus	145p	114	14.12	Cut to 110 Ght.
UEU&FFD.	215p	65	15.12	
River Bottoms on schedule(OK) instaled gage on I				
City Race	235p	98	16.10	
Union	245p	88	23.73	Lkg. 2 cfs, started Register
Factory Race	248p		2.00	
Tanner Race	328p	61	13.72	Started Register.
			55.55	
Lake Bottom Canal	308p	78		
Little Dry Creek	344p	66	7.22	

Aug. 3,1920. Stormy.

Provo Res, Canal.	555a	214	
" " Lat. #1	555a		0
Lower Charleston	720a	132	9.79
Wasatch Canal	955a	112	82.08
North Field	957a	60	24.38
Provo Res. Weir	1011a	97	31.05
By Wasatch Dam Assumed			16.30
Timpanogus	1029a	73	30.18
Total			183.99
Ontario Tunnel	1120a	160	16.41

When storm flush is over adjustment will be as follows:-

Provo Res. Co.	24.65
Sego	2.88
U.P.&.LCO.	5.45
Midway etal	10.50
	43.48

Les the 16.20 by dam = 27.28 by Provo Res.

Weir = Ght of 90.

Spring Creek & Sagebrush,out for cleaning.

Upper Charleston recieving water from Sp. Creek & Sagebrush.

Riv.Lower Dam	204p	190	
Island Ditch	210p		6.00

Snake Creek:-

Probst Ditch	245p	22	1.08
Lower Huber Ditch	311p		0.35
Upper " "	315p		1.54
Huber Ranch "	322p		0
Mound Ditch	325p	est	0.30
West Bench	335p		9.50
Sn.Creek by Ford	404p	~~xxxx~~	19.77
Wilson Ditch	449p		4.34
Scotch Ditch	500p		2.83

Total Snake Creek. 39.71

Olmstead Flume OK at Donnon's at 235 cfs. gage.

Aug. 4, 1920 At office.

40

Aug. 5, 1920, On way to Lakes.
Left Stewarts 1130a; Soapstone, 2pm; Lakes 6pm.

Trial Lake gage	600p	26.2
Union Weir	650p	72

Aug.6, 1920.

Trial Lake	750a	25.8

Trial Lake before drawing was at gage 38

Washington Lake	805a	21.3

Long Lake stored 7' in depth.

Wall Lake	1105a	8.50 Closed gate.

Aug. 7, 1920.
Left Lakes 640am; Soapstone 950a; Stewarts Ranch 12m; Heber 2pm.
Provo Valley canals OK.-- storming on upper river.

Olmstead flume	4p	Low, down below gage of 221, raised to 235 cfs., sufficient quantity by dam.	
Timpanogus OK at head.			
West Union	455p	74	27.84
Provo Bench US.	500p	146	
Provo Res. Canal	504p	190	
City Creek	515p	up to gage.	
Provo Bench US.	600p	148	

Aug. 8, 1920.

Tanner West Ditch	614a	30	1.14
" Flume "	616a	71	1.68
" East "	622a	24	0.99
Clyde Ditch,	635a		0
Brown Ditch	646a		3.80
Steve Jones Ditch	652a		0
Partridge Ditch	655a		0
Lake Bottom Canal	704a	62	9.67
George Taylor Ditch	715a		0
Over Spill	715a		0
			17.28
River By Ft.Fd.	727a		0
Fort Field	729a	121	7.87
Little Dry Creek	850a	62	6.57
Water Works assumed			6.
Tanner Race	839a	54	11.32
City Race	948a	98	16.10
East Union	952a	90	24.58
Factory Race	955a	est	2.75
			54.75
Dixon Ditch	958a		0
Baum Ditch	1010a		0
Young "	1010a		0.68
Cluff "	1105a		0
UEU&FF.	1107a	65	15.12
Timpanogus	1114a	104	16.66

" gage at head 0.06' high.
P.R.Pump #3 started at 1105a, have been having some motor trouble.

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Provo Res. Canal	1153a	200	93.04
" " Lat. #1	1153a		0
Timpanogus Dam	1250p	est	0.50 lkg.
" at gage at head	1250p	OK.	
Provo Bench US.	1258p	144	
Barton & Young	103p	est	0.75
West Union	107p	80	31.50
Park & Nuttal	108p	est	0.50
Provo Bench LS.	115p	176	88.50

River Bottoms:-

C.	1136a		0
D	1135a		0
E	1134a		0
F	1133a		0
G	1131a		0
I	1101a		0
J.	1044a	100	9.99 Cut to 6.50 cfs.
K	1o27a		0
L	1037a	est	0.65
M.	1024a		0
N.	1025a		0
O	1023a		0.10
			10.74

Grand Total 351.26 second feet.

August 11, 1920.

West union	920a	76	28.98
Provo Bench Us.	925a	146	
Provo Res. Canal	929a	194	
" " Lat. #1.	929a		0

UP&LCo. Flue low, have raised.
Plank across tailrace gates removed; and raise one tailrace gate 1 foot, City Creek Ok at gage.
Arrange to put in stillwell in Olmstead flume.

Provo Res. Canal	501p	194	
" " Lat. #1,	501p		0
Provo Bench US.	505p	144	
City Race	530p	96	15.10
Factory Race	545p	est	3.00
Union	550p	87	23.27
Tanner Race	628p	58	12.61
			53.98

Cut Wasatch Storage to 5 cfs. at 8pm.

August 12, 1920.

Provo Bench LS.	600a	180	
West Union	613a	74	27.84
Provo Res. Canal	617a	192	
" " Lat. #1	617a		0
Timpanogus OK.			
City Race	641a	98	15.90
Union	645a	88	23.73
Factory Race	647a	est	3.50
Tanner Race	60	60	13.40
			56.53

Put in stillwell (7½" pipe with ½2 pipe connection to flume) on Olmstead flume at "Donnons" station, at station 1400 of flume stations.

42

August 13, 1920.

Fa ctory Race	746a	est	4.50
City Race	737a	100	16.40
Union	744a	86	22.88
Tanner Race	813a	60	13.40
			57.18

Olmstead Flume,-- put in direct reading gage.

Olmstead Flume	300p	536	225.34 Raised at 430p
Olmstead Flume	500p	545	234.70(Should be 234.46)

Aug. 14, 1920.

Tanner West Ditch	635a		0
Tanner East Ditch	637a		0
Tanner Flume	640a		0
Clyde Ditch	651a	44	2.56
Lake Bottom Canal	710a	52	
Provo Res. Canal	534p	150	57.90
" " Lat. #1.	534p	38	1.55

Aug. 15, 1920.

Provo Res. Canal	630a	150	57.90
" " Lat. #1.	630a		0
Provo Bench US.	633a	146	

Donnon Stream	740a	70	15.41
By Olmstead Dam	808a		4.71 (Below Olmstead Dam)
Sandgate	730a		0
			20.12

Provo Res. Co. & Sego--Storage 23 cfs less 4% = 22.08
Dixon Water 2.50
Ontario Tunnel (P.R.Co.) 5.45
Wright estate . . . . . 4.60 approx.
34.63

That is 34.63 - ~~xxxx~~ 20.12 = 14.51 should be diverted from flume

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Provo Reservoir Co & Sego-rights.

Storage	22.08
Ontario Tunnel	10.91
Dixon	2.50
Wright Estate	4.60
Blue Cliff	50.00
	90.09

That is P.R.Canal now has 57.90 and 23.28 thru P.B.Canal + 9.29 to turn from flume = 90.47, that is river is now approx. at 100% Class "A".

Olmstead Flume 1002a 545, Forebay is a little higher than usual, I request Mr. Ivie, incharge of gate house, to draw down a little lower on forebay, at 1030a I turn from flume at Nunns spill and over Nunns weir:-

Nunns Weir 1100a 47 11.06 as temporary adjustment

Balance of adjustment to be made this pm.

Return to dam in pm. At 4pm forebay is same as this am, at 415p with Mr. Carter, raise taintor gate to draw down forebay. Raised Nunns spill:

Nunns weir 444p 62 16.90

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August 16, 1920.

Provo Bench Ls.	740a	177	88.55	
West Union	816a	78	30.18	
Park & Nuttal	820a	21	1.01	
Barton & Young	833a	est	0.75	
Provo Bench US.	835a	144		
Provo Res. Canal	839a	166	67.84	
" " Lat. #1.	839a		0	
Nunns Weir	935a	14	1.76,	I call Goodhue, he does not know how gate has become closed--has been closed but short time I open to:
Nunns Weir	950a	60	16.05	
Donnon Stream	1006a	67	14.32	
Riv. Below Dam	1006a		2.50	
Olmstead Flume	1030a	550	241.00	
Sandgate	1035a		0	
Timpanogus gage at head	1102a OK.			
"	1125a	102	15.28	
Cluff Ditch	1114a		0	
Young Ditch	1218p	50	0.56	
Baum Ditch	1218p		0	
Dixon	102p		0	
UEU&FF.	1137a	64	15.48	.6 cfs. lkg.

River Bottoms:

C	1106a	~~est~~	0.30
D	1108a	est	0.10
E	1111a		0
F	1112a		0
G	1115a	est	0.10
I	1144a	est	0.40
J	1155a	100	10.00
L	12m	est	0.50
M	1207p		0.40
N	1209p		0
O	1210p		0.20
			12.00

Waterworks assumed			6.
City Race	1240p	92	14.72
Union	1256p	84	21.95
Factory Race	1258p	est	2.00
Tanner Race	116p	52	10.68
			49.35
Dry Creek	128p	62	6.57
Fort Filed	145p	102	4.38
By FT.Fd.	200p	est	0.50

Grand Total 315.76 second feet.

Adjustment:
Cut River Bottoms J to 5.50 cfs., have some leaky gates stopped/
UEUFF. 450p Cut o.05' at head.
Timpanogus 500p Cut 0.10' at head, and reset operators gage nail 0.10' lower. Gave sheet to Goodhue, and ~~xxxxx~~ request Nunns raised to 64 Cht. 17.81
Cut West Union, rasing Provo Bench., 526p.

47

August 17, 1920.

Tanner Race	345p	56	11.96	
City Race	418p	94	14.50)	
Factory Race	426p		3.00 (	Raiseing.
Union	429p	88	23.73)	
			53.19	

Over River Bottoms making repairs, Gage set on J and marked at 65.
At office part of day. Had sheriff serve order on East River Bottoms.

August 18, 1920.

Provo Res. Canal	1225p	168	
" " Lat. #1.	1225p		0
City Creek OK.			
Timpanogus OK.			
Provo Bench US.	1235p	144	
West Union	1242p	75	28.40

August 20, 1920.

West Union	745a	76	28.98
Provo Bench US.	749a	151	
Provo Res. Canal	753a	180	
" " Lat. #1.	753a		0
Olmstead Flume	824a	577	

Raise in river by storm of last eveneing-- make no change this am.

Provo River USGS	927a	227	252.07 New station by bridge.
South Fork	1050a	86	38.10

At 1145a phone Mr. Carter to close Nunns Spill, and we cut flume at Donnons to Ght. 545 that is 235 cfs. in flume at Donnons.

Wastch Canal	153p	87	54.18
N' Field	155p	68	29.70
Provo Res. Weir	234p	109	37.62
River Wasatch Dam			16.00
			137.50

No change, river dropping, --cloudy.

Sp. Cr. & Sagebrush	318p	110
Brown Well	455p	15.4
Olmstead Flume	600p	545

August 21, 1920.

Provo Res. Canal.	802a	180	
" " Lat. #1	802a	53	2.60
Provo Bench US.	805a	149	
Timpanogus	844a	102	
UEU&FF	847a	66	15.56
City East Union	1100a	88	23.73
Factory Race	1102a	202	20.27
City Race	1120a	94	14.50
Tanner RaceSpill to river			5.50 est.
Tanner Race	1132a	50	10.10
			68.60

Aug. 21, 1920.
River Bottoms:

C.	811a	est	0.50
D	817a	est	0.25
E	821a		0
F	823a		0
G	826a		0
I	836a		0.10
J	859a		0.10
L.	927a	est	0.50
K	958a		0
N	1000a		0
O	1001a		0.60

45

August 23, 1920.

West Union	858a	80	31.50
Provo Bench US.	901a	149	
Provo Res. Canal	905a	166	
" " Lat. #1.	905a		0
Tanner Race	1020a	48	9.48
City Race	1038a	106	18.60
Union	1100a	80	20.29
Factory Race	1105a	166	5.02
Tanner Drain	1145a	45	1.85

August 24, 1920.

Made rearrangement of gates at mouth of canyon, adjusting to outline

Provo Res. Canal	400p	168	
" " Lat. #1.	400p		0

August 25, 1920.

North Field Canal	916a	48	17.40
Wasatch Canal	918a	64	33.48
Provo Res. Weir	928a	88	26.68
River Hatch Bdg.	945a	68	16.00
			93.46

Distribution:

Provo Res. Co. % Sego Storage	22.08
Prov Res. Co. % UP%LCo. Tunnel	10.91
Wasatch Storage	4.80
Midway Tunnel	5.50
	43.29

93.46 - 43.29 = 50.17 Natural River.
Wasatch Loss est 4. cfs.
then 50.17 - 4.00 = 46.17 to pro rate. = 56 %

Wasatch Canal	33.34 + 4 * 3 Bm. + 4.80 stprage=	35.14
North Field	20. - 3 Bm. =	17.
Midway etal	2.80 + 5.50 Tun. =	8.30
Provo Res. CO. % Sego Storage		22.08
Provo Res. Co. and UP%LCO. Tunnel		10.91
		93.43

Provo Res. % Sego Storage	22.08	
Provo Res. % UP%L Tunnel	10.91	
Midway et al	8.30	
To go by Wasatch Dam	41.19	- 16.00= 25.29 to go by

Provo Res. Co. Weir = Cht. of 85.

Johnston % Ford.			0
Midway River Ditch	1025a	45	8.13
Island Ditch	1051a		5.75
By Lower Dam	1054a	88	
Upper Charleston	1105a		13.44
SP.Cr. % Sagebrush	1119a	118	25.14
USGS.	355p	223	227.32
South Fork	550p	90	40.76

46

August 26, 1920.

Provo Bench LS.	800a	182	90.16
West Union	834a	76	38.98
Park & Nuttal	836a	50	3.86
Barton & Young	840a	est	0.75
Provo Bench US.	842a	148	
Provo Res. Canal	846a	198	88.94
" " Lat.#1.	846a		0
Timpanogus Haedgage	919a	Ok	
Timpanogus	937a	93	12.68
UEU&FF	952a	62	14.08
Cluff Ditch	1001a		0
Young Ditch	1042a	50	0.74
Baum "	1045a		0
Dixon "	1132a		0
Waterworks assumed			6.
City Race	1105a	98	15.46
Union	1124a	89	24.12
Factory Race	1127a	156	2.70
Tanner Race	1146a	67	15.84
			58.12
Dry Creek	1154a	62	6.57
Fort Field	1215p	120	4.65
By Fort Field	1216p	est	1.25
River Bottoms:-			
C.	922a	est	0.10
D	924a		0
E	925a		0
F	926a		0
G	929a	est	0.75
I	959a	est	0.20
J	1011a	102	9.67
L	1020a	est	0.60
K	1029a		0
M	1031a		0
N	1032a		0
O	1034a		0.30
			11.62
Total East Side			328.40
West Side assumed			12.02
Grand Total			340.42
Nunns Weir	430p	18	2.57

Olmstead Flume 448p 546 We raise to 548 that is take care of the spill at nunns-- Raise at 400pm to 548 = 237.70 by curve.

UP&LCo. entitled to	229.
Plus Tunnel water	5.45
Plus quantity returned at Nunns	2.57
	237.02

Made adjustment of canals below mouth of canyon.

August 31, 1920.

Provo Bench LS.	615a	184		
West Union	627a	70	25.56	Raised.
Provo Res. Canal.	632a	191		
" " Lat #1.	632a		0	
Timpanogus--high.				
City Race	655a	90	13.30	
Union	706a	84	21.95	
Factory Race	709a	195	16.56	
Tanner Race	730a	54	11.32	
			63.13	

September 1, 1920, City Returns Factory Race during days.

47

Sept. 2, 1920.

West Union	618a	76	28.98	
Provo Bench US.	622a	146		
Provo Res. Canal.	625a	186		
" " Lat #1.	625a		0	

Sept. 3, 1920.

Tanner West Ditch	537p	48	2.24	
" East "	538p		0	
" Flume "	541p		0	
Clyde Ditch	554p		0	
Brown Ditch	606p		0.80	
Partridge Ditch	610p		0	
Lake Bottom Canal	620p	88	8.98	
Over Spill	635p		0	
Geo. Taylor Ditch	635p		0	
			12.02	

Sept. 5, 1920.

Provo Bench LS.	947a	190	87.08	
West Union	930a	70	25.56	Raised.
Park & Nuttal	932a	65	5.60	Turned 3 cfs. to W.Union.
Barton & Young.	940a		1.45	
Provo Bench US.	942a	140		
Provo Res. Canal	1016a	190	83.93	
" " Lat #1.	1016a	53	2.60	86.53
Cluff Ditch	1041a		0	
Young Ditch	1148a	50	0.64	
Baum Ditch	1151a	est	0.25	
Dixon Ditch	1232p	est	0.50	
Timpanogus	1050a	88	11.04	
UPU&FF.	1112a	62	14.08	
City Race	1210p	88	12.46	
Union	1225p	72	17.16	
Factory Race	1228p	168	6.20	
Tanner Race	1250p	51	10.37	
			46.19	
Waterworks assumed			6.00	
Dry Creek	105p	54	5.34	
Fort Field and River	321p		5.90	
River Bottoms:-				
C	1025a	90	5.86	
D	1037a		0	
E	1038a		0	
F	1039a		0	
G	1043a		0.40	
I	1108a		0.10	
H	1119a		0.10	
J	1121a		0.20	
L	1125a		5.50	Approx.
K	1133a		0	
M	1135a		0	
N	1136a		0	
O	1138a		0.10	
			12.26	

Grand Total 320.44 second feet.

48

Sept. 5, 1920.

Nunns Weir	450p	.08	0.76 Reported by John Carter.
Olmstead Flume D	510p	548	213.43 I make examination of

flume and find board 3'2" x 12" on top of Bulkhead No1, remove and gage immediately drops-- turn more in flume to raise gage to 548

Sept. 6, 1920.

Provo Res. Canal	830a	163	
" " Lat. #1.	830a	47	
Olmstead Flume D	900a	552	Cut to 548
USGS gage	912a	222	
Lower Charleston	1005a	168	17.62 Cut to 11 cfs.
Brown Well	1026a	14.7	
Sp. Cr. & Sagebrush	1049a	110	
Upper Charleston	1053a	OK	
Riv. Lower Dam	1056a	189	
Midway River Ditch	1117a	52	10.10
Wasatch Canal	1128a	66	35.01
North Filed	1130a	48	17.40
Provo Res. Weir	1137a	92	28.62
Riv. Wasatch Dam			16.
Ontario Tunnel	138p	160	15.90
Olmstead Flume D	411p	549	222.31, Raised-- requested UP&L

to amke inspection of flume to ascertain change of rating.

Sept. 7, 1920.

Provo Res. Canal	933a	158	
" " Lat #1.	933a		0
Olmstead Flume D	1045a	576	I go over flume to Bridal Veil Falls

Bulkhead No. 3, seeme to be Ok.

Olmstead Flume D	1110a	576	239.27
USGS River	125p	224	230.74
South Fork	225p	82	34.50
Donnon Stream	323p	76	17.90
Below Dam	approx		8.00

At ~~3p~~ 345p cut Olmstead flume down to 570 ght. = depth 570

---Y

Sept. 8, 1920.

Provo Bench LS.	815a	197	
West Union	826a	74	27.84
Provo Bench US.	831a	145	
Provo Res. Canal	834a	167	
" " Lat #1	834a		0
Olmstead Flume	915a	569	236.63 This is Joint measurement

by Went and Jacobs, useing Mr. Jacobs' meter # 1949.
Useing Meter #1351(Wentz) we measure by stratas--six in depth and taken each foot--60 readings as follows

Olmstead flume	1035a	569	230.60
Thru Sandgate approx.			15cfs.

Sept. 9,1920, 810a McEwan cut off Sego.

49

Sept. 12, 1920.

Provo Bench LS.	600a	189		
West Union	609a	74	27.84	
Provo Res. Canal	616a	164		
City Race	640a	76	9.60	
Union	648a	70	16.46	
Factory Race	700a	218	29.72	
Tanner Race	715a		12.61	Approx. water over meadow.
			58.39	

Sept. 16, 1920.

Provo Res. Canal	620p	142		

Sept. 17, 1920.

Factory Race	705a	236	42.04	
Union	715a	27	3.81	
City Race	740a	52	5.00	
Tanner Race		60	13.40	
			64.25	
Olmstead Flume	234p	571	Register installed about Sept. 10th.	
USGS. gage	301p	217		
Wasatch Canal	510p	55	26.28	
North Field	512p	45	15.60	
Provo Res. Weir	520p	24	3.67	Cut by Clegg from 82 on 16th
Midway River ditch		34	5.34	About 10cfs by dam.

Sept. 18, 1920.

Tanner West Ditch	608a	64	3.45	
" Flume "	610a		0	
" East "	617a	29	1.33	
Clyde Ditch	634a	est	0.25	
Brown "	646a	est	0.40	
Steve Jones	650a		0	
Partridge Ditch	655a		0	
Geo. Taylor Ditch	703a		0	
Lake Bottom Canal	705a	110	7.79	
Fort Field	731a	68	2.80	
By Fort Field	735a		5.75	
			21.77	
Little Dry Creek	840a	48	4.48	
Tanner Race	854a	60	13.40	
City Race	908a	54	5.24	
Union	938a	29	4.23	
Factory Race	941a	238	43.51	
			66.38	
Water works assumed			6.00	

50

Sept. 18, 1920. (Con)

Young Ditch	1000a	52	0.96	
Baum "	1004a		0	
Cluff "	1042a		0	
UEU&FF	1053a	69	16.60	
Timpanogus	1100a	88	11.04	Raised by pump bet 10-11a
Timpanogus Raise			2.00	
Provo Res. Canal	1149a	138	52.51	
" " Lat #1.	1149a		0	
Provo Bench US.	1216p	143		
Barton & Young	1218p		1.40	
West Union	1226p	74	27.84	
Park & Nuttal	1228p	58	4.83	
Provo Bench Ls.	1255p	189	90.93	
River Bottoms:				
C	1131a	est	0.10	
D.	1125a	100	4.85	Cut off.
E	1121a		0	
F.	1120a		0	
G	117a	est	0.60	
H	1022a	est	0.10	
I	1046a	47	2.26	
J	1024a		0	
K	1014a		0	
L	1027a	60	3.60	Cut.
M	1012a		0	
N.	1013a		0	
O.	1010a	est	0.20	
			11.71	

Grand Total 318.75 second feet.

Sept. 19, 1920.
Olmstead Flume 421p 565 Put on plank in head of Donnon Stream and taking out of sandgate to ght. 570

Sept. 21, 1920.
Call UP.&.L.-- River low, I request 10cfs. over Nunns Weir, and close sandgate and Donnon Stream.

Sept. 23, 1920.

Provo Res. Canal	234p	148	
" " Lat #1.	234p		0
Provo Bench US.	239p	148	
Nunns Weir	300p	43	9.70
Olmstead Flume D	321p	600	256.40

And 9.70 out at Nunns = 256.40 - 9.70 = 246.70.
229 + 5.20 Ontario Tunnel = 234.20. Cut down to 588 ght. at 440p.

Oct. 28, 1920.

Olmstead Flume D 1040a 584 324.36

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Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Class"A".

Outline of Distribution

Tabulation of Flow and Distribution of Provo River for June 20 to July 20, 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
.R.1920.													
Provo Bench C & I.Co.				68.77	6.		74.77						
Provo Bench C.&.I.Co.-- 68.77 cfs. equals 1520 shares of stock, and Provo Reservoir Company and Caleb Tanner are passing through this xcanal as stock 363 shares which equals 16.42 second feet. Provo Reservoir Co. passing thru this canal and diverting by lateral 8.00 cfs.(unless otherwise stated), and Caleb Tanner has by award .25 cfs,													
Making a total of - - - - - - - - - - - -							99.44			99.44			
West Union Canal				30.16			30.16			30.16			
Park & Nuttal and Barton & Young				2.31			2.31			2.31			
Timpanogus Canal Co				12.83	2.		14.83			14.83			
U.E.U.& F.Fd.				13.73	2.		15.73			15.73			
Cluff, Dixon, Young and Baum Ditches,				2.00			2.00			2.00			
Provo City, ex. Waterworks				59.18			59.18			59.18			
Provo City waterworks, assumed							6.00			6.00			
Little Dry Creek,				7.67			7.67			7.67			
Fort Field				6.38			6.38			6.38			
Lake Bottom Canal				14.17			14.17			14.17			
Spring Creek Users				6.00			6.00			6.00			
East River Bottoms W.Co.				6.35			6.35			6.35			
Provo Reservoir Company; Canal.										25.58			
Blue Cliff				50.00 less 24.42 thru Provo Bench									
Dixon				2.50						2.50			
Wright Estate Exclusive										1.71			
Round Valley				1.90	.19								
Round ValleyCreek as shown													
Tanner Drain as shown.													
Ontario Tunnel water as shown.													
Provo Res. storage as shown.													
Sego Storage as shown.													
Total - - - -,-. -										300.01			

5

Total TFW/TFW.

Computations made by ..... Observations made by .....

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil
C.R.1920.

Class"A".
Outline of Distribution
July 20 to September 1,1920.

Tabulation of Flow and Distribution of Provo River for

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench C & I Co.				61.89	6.		67.89						
Provo Bench C.&.I.Co. -- 61.89 cfs. equals 1520 shares of stock,and Provo Reservoir Company and Caleb Tanner are passing thru this canal as stock 363 shares which equals 14.78 cfs. Provo Reservoir Co. passing thru this canal and diverting by lateral 8.00 cfs.(unles otherwise stated) and Caleb Tanner has by award .25 cfs.													
Making a total of -										90.92			
West Union Canal				27.23			27.23			27.23			
Park & Nuttal and Barton & Young				2.03			2.03			2.03			
Timpanogus Canal Co.				11.29	2.		13.29			13.29			
U.E.U.&.F.Fd.				12.31	2.		14.31			14.31			
Cluff, Dixon, Young & Baum Ditches - - - - - - - -				1.80			1.80			1.80			
Provo City exc. Waterworks				55.91			55.91			55.91			
Provo City Waterworks assmd				6.			6.			6.			
Little Dry Creek				6.75			6.75			6.75			
Fort Field				5.74			5.74			5.74			
Lake Bottom Canal				12.75			12.75			12.75			
Spring Creek Users				5.50			5.50			5.50			
East River Bot. Water Co				5.56			5.56			5.56			
Provo Reservoir Canal.													
Blue Cliff				50.00 less 22.78 thru Provo B.						27.22			
Dixon				2.50						2.50			
Wright estate Excl. Round Val				1.90	.19		1.71			1.71			
Round Valley Creek as shown.													
Tanner Drain " "													
Ontario Tunnel water as shown.													
Provo Res. Storage as shown													
Sego Storage as shown.													
Total - - - -,- -										279.22			

TFW/TFW.

53

Total

Computations made by ..... Observations made by .....

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

C.R.1920.

Class"A.
Outline of Distribution.

Tabulation of Flow and Distribution of Provo River for Septtember 1st to end of season.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench C.&.I.Co.				61.89	6.		67.89						

Provo Bench C.&.I.Co.-- 61.89 cfs. equals 1520 shares of stock, and Provo Provo Reservoir Co. and Caleb Tanner are passing thru this canal as stock 363 shares which equals 14.78 cfs. Provo Reservoir Co. passing thru this canal and diverting by lateral 8.00 cfs.(unless otherwise stated) and Caleb Tanner has by award 0.25 cfs.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Making at total of -										90.92			
West Union Canal				27.14			27.14			27.14			
Park & Nuttal and Barton & Young				1.82			1.82			1.82			
Timpanogus Canal Co.				11.29	2.		13.29			13.29			
U.E.U.&.F.Fd.				12.19	2.		14.19			14.19			
Cluff, Dixon, Baum, Young.D.				1.68			1.68			1.68			
Provo City,excl. waterworks				53.05			53.05			53.05			
Provo City waterworks.assmd				6.00			6.00			6.00			
Little Dry Creek				6.75			6.75			6.75			
Fort Field				4.59			4.59			4.59			
Lake Bottom Canal				10.20			10.20			10.20			
Spring Creek Users				4.65			4.65			4.65			
East River Bot. Water Co.				5.17			5.17			5.17			
Provo Reservoir Canal:													
Blue Cliff				50.00 less 22.78 thru P.Bench						27.22			
Dixon				2.50						2.50			
Wright estate esc. Round Val.				1.90	.19		1.71			1.71			
Round Valley Creek as shown													
Tanner Drain.													
Ontario Tunnel water as shown.													
Provo Reservoir Storage as shown.													
Sego storage as shown.													
Total -										270.88			

TFW/TFW.

Total 54

Computations made by .... Observations made by ....

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for June 27, 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Ld.	905a	184	106.00	100.44	6		106.44			106.44	0.44		
West Union	947a	100	45.36	30.16			30.16			30.16		15.20	
Park & Nuttall	949a	70	6.39										
Barlow & Young	1000a	offtx	5.50	2.31			2.31			2.31		9.58	
Prov Bench Upst.	1004a	163											
Prov Res Canal	1006a	28	180.00							234.42	54.42		
" " Lot #1	1006a		00										
Lower Cliff Ditch	1027a		0.0										
Young "	1237p		00	2.00			2.00			2.00	2.00		
Bohm "	1237p		00										
U.C.I. & S.F.L.	1032a		24.00	13.73	2		15.73			15.73		8.27	
Tom Sanagus	1045a	110	21.79	12.83	2		14.83			14.83		6.96	
Dry Creek	148p	74	9.00	7.67			7.67			7.67		1.33	
Factory Race	1253p	offtx	2.00	~~7.67~~			~~7.67~~			~~7.67~~			
East Union	1255p	92	25.43										
City Race	107p	104	18.13	59.18			59.18			59.18		2.22	
Farmer Race	135p	67	15.84										
			61.40										
Waterworks Assmt			6.00	6-						6.00	—	—	
River Bottoms			14.45	6.35			6.35			6.35		8.10	
West Side June 26, 1920.													
Fort Field	418p	50	3.16	6.38			6.38			6.38	3.22		
River Rel Fort Fl.	427p		5.25	00						00		5.25	
Partridge Ditch	444p		0.60										
Over Spill	454p		4.00										
George Taylor Ditch	457p		00										
Steve Jones	527p		00										
Brown Ditch	527p		1.75	6.00			6.00			6.00		0.83	
Blythe "	542p		2.18										
Farmer "	612p	42	2.30										
Glume "	615p		00										
" West "	618p		00										
			6.83										
Lake Ballou Prof	455p	90	16.56	14.17			14.17			14.17		2.39	

See Memo. Notes for adjustment.
Omitted Plant not operating.

Total	55	511.69	511.69	6.08	6.13

Computations made by O. F. Wentz. **Observations made by** O. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for July 1. 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Tanner W. ditch	1100a	48	2.24										
" Flume "	1103a		0.0										
" E "	1105a		00										
" Brown "	1112a		00										
Clyde "	1121a	46	2.76	6.00	—	—	6.00			6.00		1.00	
Clyde-Davis "	1146a		1.75										
Brown Ditch	1154a		0.25										
Partridge "	1158a		0.0										
Over Spill	1207p		00										
Geo. Taylor Ditch	1207p		00										
Lake Bottom	1209p	78	12.71	14.17			14.17			14.17	1.46		
Fort Field	1255p	55	3.60	6.38			6.38			6.38	2.78		
Riv. Below F.F.R.	105p		00	—			—			—	—	—	
Little Dry Creek	222p	70	7.89	7.67			7.67			7.67		0.22	
Tanner Race	237p	48	9.48										
Cole Race	246p	67	7.42										
D. & Union	302p	74	17.83										
Farley Race	304p	77	35.60										
			70.43	59.18			59.18			59.18		11.25	
Waterworks Arsenal			6—	6			6			6	—	—	
Lexon Ditch	307p		0.0										
Young "	325p	60	1.75	2.00			2.00			2.00	0.25		
Bowen "	325p		00										
Wm. Cliff	429p		00										
U.S. U.&S.F.R.	431p	68	16.24	13.73	2		15.73			15.73		0.51	
Timpanogos	434p	90	15.06	12.83	2		14.83			14.83		0.23	
Provo Res. Canal	510p	260	161.46	197.07						197.07	35.61*		
" " Lat. 41.	510p		00										
Provo Resvr. N.H.	540p	150											
Barlow & Young			2.44	2.31			2.31			2.31		7.26	
Clark & Pulley	553p		7.13										
West Union	550p	101	46.08	30.16			30.16			30.16		15.92	
Prov. Resvr. L. St.	607p	171	92.79	13.44	6		99.44			99.44	6.65		
Price Bottom	p		16.71	6.35			6.35			6.35		10.36	
Omission Summary			2.24										
			465.05										
Total 56			467.29							467.29	46.75	46.75	

Alonzo Lind Plant not operating.

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Computations made by D. F. Wentz

Observations made by D. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for July 7, 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Spring Creek													
Farmer W. Ditch	907a		0.0										
" Flume "	904a		0.0										
" E. "	907a	37	1.92										
Clyde "	926a		0.0	6.00			6.00			6.00	2.48		
Clyde-Lino "	933a		0.0										
Brown "	937a		1.60										
Geo. Taylor "	955a		0.0										
Lake Bullen Canal	950a	70	11.40	14.17			14.17			14.17	2.77		
Provo Bench 1st.	1050a	176	92.80	93.44	6		99.44			99.44	.64		
West Union	1058a	87	36.12	30.16	(6.04 over spill		36.20			36.20	.08	~~5.96~~	
Park & Nuttal	1101a		3.80	2.31			2.31			2.31		1.99	
Barton & Young	1105a	est	~~0.50~~										
Provo Bench Upper St.	1107a	150											
Provo Res Canal	1112a	180	86.11										
" " Left W.	1112a	53	2.60	83.23						83.23		7.48	
			90.71	~~[illegible]~~						~~[illegible]~~		~~[illegible]~~	
Timpanogas	1205p	94	15.70	~~[illegible]~~	2		14.83			14.83	~~.03~~	.87	
M.C.M. & T.F.	1207p	68	16.24	13.73	2		15.73			15.73		.51	
Cluff Ditch	1210p	60	3.58										
Young "	~~1249p~~		0.0	2.00			2.00			2.00		1.58	
Brown "	~~1250p~~		0.0										
Dixon "	1222p		0.0										
City Race	105p	65	7.30										
Dixon	115p	62	13.60										
Dairy Race	118p	68	29.72										
Damer Race	135p	49	9.76										
			60.38	59.18			59.18			59.18		1.20	
Waterworks assumed			6	6			6			6	—	—	
Dry Creek	145p	64	6.89	7.67			7.67			7.67	0.78		
F.H.G.	~~212p~~	50	3.30	6.38			6.38			6.38	3.08		
By T.F.	215p		0.0										
River Bottoms	est		8.55	6.35			6.35			6.35		2.20	
Over West Union Spill			(6.04)							(6.04)			
Olmstead Plant not operating.													
Total 57			353.45							353.45	15.83	15.83	

Computations made by T. F. Wentz

Observations made by T. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for July 20. 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Lst.	759	182	93.20	84.92	6		90.92			90.92		2.28	
West Union	832a	90	38.16	27.23	6	Spill	33.23			3323		4.93	
Park & Nuttal	844		3.80										
Borlon & Young	840a	est	0.50	2.03			2.03			2.03		2.27	
Provo Bench Upper	842a	150											
Provo Res Canal	845a	205	98.01	119.14						119.14	2.13		
" " Lst #1.	845a		0.0										
U.E.W.A. Co.	1010a	68	16.24	12.31	2		14.31			14.31		1.93	
Cluff Ditch	957		.50										
Yeably "	1118a	25	1.38	1.80			1.80			1.80		1.83	
Beam "	1120a		2.25										
Dimpanogus	1016a	114	15.16	11.29	2		13.29			13.29		1.87	
City Race	1137a	100	16.46										
Union	1202p	92	25.43										
Factory Race	1204p	est	1.50										
Farmer "	1220p	60	13.40										
			56.79	55.91			55.91			55.91		.88	
Waterworks Canal			6.	6			6			6	—	—	
River Bottoms	a		9.35	5.56			5.56			5.56		3.79	
Little Dry Creek	1228p	76	8.92	6.75			6.75			6.75		2.17	
Fort Field	1254p	88	4.88	5.74			5.74			5.74	0.86		
Bay " "	107p	est	1.25							~~0.0~~		1.25	
July 19. 1920. West Side.													
Spring Creek Ditch.			6.80	5.50			5.50			5.50		1.30	
Lake Bottom	945a	67	10.24	12.75			12.75			12.75	2.51		
Spill from West Union			(6.00)							(-6.00)			
Olmsted Plant not operating.													
Note: This is date of change to higher duty.													
Total 58			372.93							372.93	24.50	24.50	

Computations made by J. F. Wentz **Observations made by** J. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for July 28. 1920

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Ls.	805a	18r	93.89	84.92r	6		90.92r			90.92r		2.97	
West Union	845a	8r	32.82r	27.23			27.23			27.23		5.59	
Park & Nuttal	847a		2.47	2.03						2.03		2.19	
Barton & Young	853a		1.75										
Provo Bench Lift	855a	149											
Provo Res Canal	858a	190	85.4r	(add 10.0 by Pump #r)						95.4r	10.00		
" " Lift #1	858a		.50										
Provo Res Co. Pump running – to Impoundments.													
M & M & J F R.	950a	59	13.04	12.31	r		14.31			14.31	1.27		
Impoundments	1004a	114	14.12r	11.29	r		13.29			13.29		0.93	
Cliff Ditch	942a		.50										
Drum "	1102a		.50	1.80						1.80	.4r		
Young "	1102a		1.38										
Alexander "	1147a		.50										
City Race	1125a	104	18.39										
Union	1142a	86	22.88										
Tabernacle Race	1144a	est	3.00										
Farmer "	1158a	56	11.96										
			56.23	55.91						55.91		.32r	
Waterworks Assmt			6–	6						6	–	–	
Little Dry Creek	1210p	68	7.55	6.75						6.75		.80	
Fort F.L.	1120p	100	5.30	5.74						5.74	.44		
By Ft. Field	1120p		0.0							–	–	–	
River Bottoms	a		7.65	5.56						5.56		2.09	
Lake Bottom Canal	136p	80	13.20	12.75						12.75		.45	
Spring Creek mess.	"		5.0r	5.50						5.50	.48		
Spill from West Union discontinued.													
at 510 from Started Provo Res. Pump #2 to P.R. Canal.													
Reserve										2.63	2.63		
Ornstead Plant Operating.													
Total 57			345.84							345.84	15.24	15.24	

Computations made by T. F. Wentz Observations made by T. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for August 8, 1920.

NAME	Time	G. H.	Disc.	Dec'd Re	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Spring Creek Mus	a		7.61	5.50						5.50		2.11	
Lake Bottom	704a	62	9.67	12.75						12.75	3.08		
First Creek	729a	121	7.87	5.74						5.74		2.13	
By " "	777a		0.0										
Dry Creek	550a	62	6.57	6.75						6.75	0.18		
Walcrooks assumed			6.—	6						6—	—	—	
Power Race	839a	54	11.32										
City Race	948a	98	16.10										
Union	952a	90	24.58										
Factory Race	955a	est	2.75										
			56.05	55.91						55.91	~~.14~~	.14	
Dixon Ditch	958a		0.0										
Brum "	1010a		0.0										
Young "	1010a		0.68	1.80						1.80	1.12		
Cluff "	1105a		0.0										
Mill Off.	1107a	65	15.12	12.31 a			14.31			14.31		0.81	
Impounging	1114a	104	16.66	11.29 a			13.29		13.29	~~18.31~~		3.37	
Pr. Co. Res Co. Pump #3 Started at 1105a.													
Provo Res Canal	1153a	270	93.04	(all pumps running)						93.04	—	—	
" " Left #1	1153a		0.0										
Provo Canal left	1258p	144											
Bolen Flowing	103p	est	0.75										
Park & Mettler	108p	est	0.50	2.03						2.03	.78		
West Union	107p	80	31.50	27.23						27.23		4.27	
Provo Canal Left	115p	176	88.50	84.92 - 6			90.92			90.92	2.17	~~4.27~~	
Power Bottoms	a		10.74	5.56						5.56		5.18	
Unavailable to Provo Res Co. Canal										10.43	10.43		
Total 60			351.26							351.26	18.01	18.01	

Computations made by T. F. Wentz

Observations made by T. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for Aug. 16, 1920.

NAME	Time	G. H.	Disc.	Dec'd at	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Lat.	740a	177	88.55	89.92	6		89.92			89.92	1.37		
West Union	816a	78	30.18	27.23	—					27.23		2.95	
Park & Nuttall	870a	21	1.01										
Bolin & Young	833a	est	0.25	2.03						2.03	0.27		
Provo Bench Lat.	835a	144											
Provo Res. Canal	839a	166	67.84	70.81			70.81			70.81	2.97		
" " Lat #1	839a		0.0							69.60			
Nunns Weir	935a	14	1.76	Lael Gordon, he claims									
Lus Lessee			closed.	Lus Lessee closed									
Nunns Weir	950a	60	16.05							17.81	1.76		.64
Dannon Stream	1006a	67	14.32			34.63 "A" - 14.32 - 2.50 = 17.81 to go over							
River Below Dam	1006a		2.50			Nunns Weir = .64 of .64.							
Elmerland Flume	1030a	550	41.00										
Sandgate.	1035a		0.0										
Impounds.	1102	ok at Lind.											
Impounds	1125a	102	15.28	11.29			13.29			13.29		1.99	
Bell Ditch	1114a		.00										
Young "	1218p	50	.56										
Rodeen "	1218p		.00	1.80						1.80	1.24		
Dixon "	102p		.00										
Wells Fd.	1139a	64	15.48	12.31			14.31			14.31		1.17	
River Bottoms	~~1~~p		12.00	5.56						5.56		6.44	
Waterworks second			6.	6.						6—	—	—	
City Race	1240p	92	14.72										
Alvim	1256p	84	21.95										
Young Race	1258p	est	2.00										
Tanner "	116p	52	10.68										
			49.35	55.91						55.91	6.56		
Dry Creek	128p	62	6.57	6.75						6.75	0.18		
Fort Field	145p	102	4.38	5.74						5.74	1.36		
By Fort Field	200p	est	0.50							0.0		.50	
West Side second			17.28	18.25	2					16.25		1.03	
Unavailable to Provo Reservoir Canal										1.21			
~~[illegible]~~ Provo Reservoir Co. & Lego accounted for										~~[illegible]~~			

22.08 Stringer
50.00 Blue Cliff.
10.91 Gunnel
2.50 Dixon
4.60 Wright Field
2.00 Tanner Quinet
72.09 Product 21.28 is taken thru Prov Res Canal

72.09
- 21.28
70.81 to go thru Prov Res Canal

Total 61	315.76		315.60	13.95	14.08

Computations made by H. F. Wentz

Observations made by H. F. Wentz

Field Sheet

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for August 16 1920

NAME	Time	G. H.	Disc.	Dec'd Use	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Pub Bench Canal	740a	177	88.55							91.42	2.87		
West Union	816a	78	30.18	27.14						27.14		3.04	
Park & Nuttall	820a	21	1.01 }	2.03						2.03	0.27		
Berlin & Young	833a	est	.75 }										
Provo Bench upper	835a	144											147
Provo Res Canal	839a	166	67.84							68.81	0.97		
" " Lift #1	839a		0.0										
Nunns Weir	935a	14	I call Gorham - he does not know how gate has become closed, has been closed but short time, I open										
Nunns Weir	950a	60	16.05		34.63 "A" - 14.32 - 2.50 = 17.81 to go over Nunns Weir = 6.A & 64					17.81	3.49		64
Dominion Canal	1006a	67	14.32										
River below Dam	1006a		2.50										
Almond Pump "B"	1030a	5.50	24.00										
Sandgate	1035a		0.0										
Timpanogos gage at bend	1102a		0.0										
Timpanogos	1120a	102	15.28							13.30		1.98	
U.C., U.& J.Jd.	1137a	64	15.48	.60 go Hty.						14.31		1.17	
Cliff Ditch	1114a		0.0 }										
Young "	1218p		0.56 }							1.80	1.24		
Smith "	1218p		0.7 }										
Dixon "	1020p		0.0 }										
River Bottoms	am		12.00							5.56		6.44	
Waterworks assumed			6.00							6.00	—	—	
City Race	1240p	92	14.32										
East Union	1256p	84	21.95										
Factory Race	1258p		2.00										
Tanner Race	116p	52	10.68										
			49.35							55.91	6.56		
Little Dry Creek	128p	62	6.57							6.75	0.18		
Fort Field	145p	102	4.38							5.74	1.36		
River Below Fort Field	200p	est	.50							—	—	0.50	
Lake Bottom & West side			17.28			✓				17.00		0.28	

Provo Res Co & Stgs are entitled to, 22.08 Stroger
50.00 Blue Cliff
10.91 Tunnel
2.50 Dixon
4.60 Wright Estate
2.00 Tanner Drain (Est)
total 92.09 of which 23.28 is taken from Provo Bench Canal and 92.09 - 23.28 = 68.81 to go thru Provo Res. Canal

Total 63 315.93 315.77 13.45 13.41

Total to go over dam
22.08 Stroger
5.45
2.50
4.60
34.63 "A"

copy to P.R.Co.

Computations made by T. F. Wentz **Observations made by** T. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for Aug. 26, 1920.

NAME	Time	G. H.	Disc.	Dec'd at Re	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Ditch	800a	18	90.16	83.92	6		89.92			89.92		0.24	
West Union	834a	76	28.98	27.23						27.23		1.75	
Park & Nuttall	836a	50	3.86										
Baird & Young	840a	est	0.75	2.03						2.03		2.58	
Provo Bench Ditch	842a	148											
Provo Res Canal	846a	198	88.94							88.94			
" " Int #1	846a		0.0	(unavailable to P.R. Canal)						9.19	9.19		
Dimpfmoser	937a	93	12.68	11.29	✓		13.29			13.29	.61		
Wilcox	952a	62	14.88	12.31	✓		14.31			14.31	.23		
Cliff Ditch	1001a		.50										
Young "	1042a	50	.74	1.80						1.80	1.06		
Brown "	1045a		.00										
Dixon "	1132a		.00										
Waterworks	deemed		6.	6						6	—	—	
Daily Race	1105a	98	15.46										
Union	1124a	89	24.12										
Tabor Race	1127a	156	2.70	2 cfs Flag.									
Palmer Race	1146a	67	15.84										
			58.12	55.91						55.91		2.21	
Dry Creek	1154a	62	6.57	6.75						6.75	0.18		
Fort Field	1215p	120	4.65	5.74						5.74	1.09		
River below 99 d.	1216p	est	1.25	.00						.00		1.25	
River Bottom	a		11.62	5.56						5.56		6.06	
West side deemed (9-3)			12.02	18.75		5.01 (est)				13.75	1.73		

Note; River is in excess of Class "A"

| Total | 68 | | 340.42 | | | | | | | 340.02 | 14.09 | 14.09 | |

Computations made by J. F. Wentz **Observations made by** J. F. Wentz

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for September 5. 1920.

NAME	Time	G. H.	Disc.	Dec'd Ne	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Ded.	G. H.
Provo Bench Lat.	8.29	190	87.08	83.92	6		89.92			89.92	2.84		
West Union	930a	70	25.56	27.14						27.14	1.58		
Oak & Mutual	9.32a	65	5.60										
Bolton & Young	940a		14.45	18						18		5.23	
Provo Bench Lat.	9.42a	140											
Provo Res. Canal	10.16a	190	83.93										
" " Int.	10.16a	53	2.60										
			86.53	86.99						86.99	0.46		
Cliff Ditch	10.41a		.08										
Jolley "	11.48a	50	.64										
Bum "	11.59a	est	1.25	1.68						1.68	0.29		
Dixon "	12.32p	est	.50										
Tomparogue	10.50a	88	11.04	11.29	2		13.29			13.29	2.25		
Wellington	11.29a	62	14.08	12.19	2		14.19			14.19	0.11		
City Race	12.10p	88	12.46										
Orion	12.25p	72	17.16										
Dairy Race	12.28p	168	6.20										
Farmer "	12.50p	51	10.37										
			46.19	53.05						53.05	6.86		
Waterworks	assumed		6.	6—						6—	—	—	
Dry Creek	10.57p	54	5.34	6.75						6.75	1.41		
Int. Field	3.21p	~~40~~	5.90	4.59						4.59		1.31	
River by Int. Fd.	3.21p												
River Bellino	a		12.26	5.17						5.17		7.09	
West side (9-3)			12.02	14.85	est 5		9.85			9.85		2.17	
Dumas Weir	4.52p	.08	0.76	(Refined by Contec)									
Cleveland Flume	5.10p	548	213.43							334.20	30.71		

I make examination of flume and find board 3'2" X 12" on top of picket #1. - remove and gage immediately above - turn water in flume to using gage back to 548.

Observe this will place a gunny unavailable to P.R.Co.

| Total | 64 | | 320.44 | | | | | | | 320.44 | 1580 | 1580 | |

Computations made by T. J. Wentz

Observations made by T. J. Wentz
Jos. Gamble.

Provo Reservoir Co.
vs.
Provo City et al

2888 Civil

Tabulation of Flow and Distribution of Provo River for September 18, 1920.

NAME	Time	G. H.	Disc.	Dec'd at Source	Tran. Loss	Tran. Gain	Dec'd at St.	P. Cent Added	Amt. Added	Ent. Tot.	Correction at Station Add.	Correction at Station Ded.	Correction at Station G. H.
Spring Creek Hydro	6-7a		5.43	4.65						4.65		.78	
Lake Bottom Canal	7.25a	110	7.79	10.20		3 at 7.20				7.20		.59	
Fort Field	7.35a	68	2.80	4.59						4.59	1.79		
Rio Grande R.	7.35a		5.75	.50						.50		5.75	
Dry Creek	8.40a	48	4.48	6.75						6.75	2.27		
Farmers Race	8.54a	60	13.40										
Lake Race	9.08a	54	5.24										
Union	9.38a	29	4.23										
Factory Race	9.49a	238	43.51	2 lbs Hg.									
			66.38	53.05						53.05		13.33	
Waterworks	assumed		6-	6-						6-	—	—	
Young Ditch	10.00a	52	0.96										
Beach "	10.04a		.50	1.68						1.68	0.72		
Cluff "	10.42a		.50										
Pelton & Pay	10.53a	69	16.60	12.19	2		14.19			14.19		2.41	
Dimpfoxgus	11.00a	88	11.04	11.29	2		13.29			13.29	0.25		
" Pairs			2.00	Paid by Dimpfoxgus 10-11)									
Provo Res Canal	11.49a	138	52.51							52.51	—	—	
" " Lat.	11.49a		.50	(Unavailable to P.R.Canal						30.49	30.49		
										83.00			
Provo Bench Ult.	12.16p	143											
Berlin & Young	12.18p		1.40	1.82						1.82		4.41	
Park & Whitt.	12.28p	58	4.83										
West Union	12.26p	74	27.84	27.14						27.14		0.70	
Provo Bench Lat.	12.55p	189	90.93	83.92	6					89.92		1.01	
River Billing	a	~~111~~	11.71	5.17						5.17		6.54	
Total	65		318.45							318.45	35.52	35.52	

Computations made by J. F. Wentz **Observations made by** J. F. Wentz