C.P.1933.

SUMMARY

NATURAL PROVO RIVER

UTAH VALLEY

-1933-

Month	Max	Min	Mean	Acre Feet.
April	384	280	329	19736
May	921	227	350	21670
June	1355	267	787	46802
July	292	190	232	14396
August	197	165	180	11180
Sept	220	161	175	10534
Max	1355			
Min	161			
Mean		336		
Total				122920

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

-1933-

Day	April	May	June	July	August	September
1	352	357	1024	260	190	161
2	352	322	1121	259	196	162
3	359	323	1283	260	195	173
4	351	316	1355	252	189	164
5	338	289	1348	250	189	166
6	359	297	1057	251	183	166
7	352	265	1064	266	197	167
8	358	300	947	292	184	169
9	322	262	920	258	184	167
10	315	263	922	269	178	171
11	301	264	1066	252	185	176
12	308	259	1136	243	178	177
13	301	240	969	255	176	177
14	287	232	902	230	172	179
15	280	239	918	231	163	167
16	301	229	795	229	165	170
17	323	227	731	227	166	177
18	323	234	665	219	172	171
19	323	234	630	219	191	168
20	316	241	540	218	186	167
21	300	276	459	213	187	175
22	310	413	389	221	188	171
23	310	405	329	215	185	176
24	318	360	317	216	184	181
25	332	311	335	216	173	176
26	355	371	323	201	170	220
27	348	450	299	200	182	192
28	334	539	302	194	182	184
29	326	670	288	196	169	199
30	384	726	267	190	168	199
31	...	921	...	196	163	...
Totals	9868	10835	22701	7198	5590	5268
Max	384	921	1355	292	197	220
Min	280	227	267	190	163	161
Mean	329	350	757	232	180	175

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

APRIL.

Day	Vivian River	Park Fork	Total	Inflow	Natural River
1	319	21	340	12	352
2	319	21	340	12	352
3	326	21	347	12	359
4	348	21	369	12	381
5	305	21	326	12	338
6	326	21	347	12	359
7	319	21	340	12	352
8	326	20	346	12	358
9	290	20	310	12	322
10	283	20	303	12	315
11	269	20	289	12	301
12	276	20	296	12	308
13	269	20	289	12	301
14	255	20	275	12	287
15	248	20	268	12	280
16	269	20	289	12	301
17	290	20	310	13	323
18	290	20	310	13	323
19	290	20	310	13	323
20	283	20	303	13	316
21	269	18	287	13	300
22	276	20	296	14	310
23	276	20	296	14	310
24	283	20	303	15	318
25	297	20	317	15	332
26	319	20	339	14	353
27	312	20	332	14	346
28	297	20	317	17	334
29	290	18	308	18	326
30	348	18	366	18	384
**	***	**	***	**	***
Totals	8967	601	9448	400	9848
Max	348	21	369	18	384
Min	248	18	268	12	280
Mean	296	20	314	13	329

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

JULY

Day	Vivian River	Park Fork	Total	Inflow	Total Ut.Val	Tun Stor W.R.	Natural River Ut. Valley
1	283	20	303	57	360	100	260
2	272	19	291	56	346	87	259
3	255	19	274	53	327	67	260
4	248	20	268	51	319	67	252
5	243	20	263	49	317	67	250
6	253	20	273	47	319	68	251
7	276	20	296	44	342	76	266
8	290	33	323	45	368	76	292
9	248	27	275	44	319	61	258
10	262	25	287	43	330	61	269
11	248	24	272	41	313	61	252
12	241	23	264	40	304	61	243
13	241	22	263	40	303	48	255
14	228	21	249	39	288	58	230
15	228	23	251	38	289	58	231
16	222	22	244	37	281	58	223
17	222	20	242	37	279	52	227
18	215	20	235	36	271	52	219
19	215	20	235	36	271	52	219
20	215	20	235	35	270	52	218
21	206	19	225	35	256	43	213
22	209	18	227	34	261	40	221
23	206	19	225	34	259	40	215
24	208	20	228	34	254	40	216
25	208	20	228	34	256	40	216
26	189	19	208	33	241	40	201
27	189	18	207	33	240	40	200
28	185	18	203	33	234	40	194
29	185	20	205	33	236	40	196
30	177	20	197	33	230	40	190
31	185	20	205	33	236	40	196
Totals	7080	649	7679	1238	8917	1719	7198
Max	290	33	325	57	368	100	292
Min	177	18	197	33	230	40	190
Mean	237	21	248	40	288	56	232

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

AUGUST

Day	Vivian River	Peak Peak	Total	Inflow	Total Ut.Val	Tum Stor ...	Natural River Ut.Valley
1	177	20	197	33	230	40	190
2	186	20	206	33	239	40	196
3	183	20	203	33	236	41	195
4	177	20	197	33	230	41	189
5	177	20	197	33	230	41	189
6	171	20	191	33	224	41	183
7	171	20	191	33	224	27	197
8	159	19	178	33	211	27	184
9	159	19	178	33	211	27	184
10	153	19	172	33	205	27	178
11	159	19	178	34	212	27	185
12	153	18	171	34	205	27	178
13	153	16	169	34	203	27	176
14	145	15	160	34	194	22	172
15	136	15	151	34	185	22	163
16	136	16	152	35	187	22	165
17	136	17	153	35	188	22	166
18	142	17	159	35	194	22	172
19	159	18	177	36	213	22	191
20	153	19	172	36	208	22	186
21	150	18	168	36	204	17	187
22	150	18	168	37	205	17	188
23	147	18	165	37	202	17	185
24	145	19	164	37	201	17	184
25	133	19	152	38	190	17	173
26	131	19	150	38	188	18	170
27	142	19	161	39	200	18	182
28	142	19	161	39	200	18	182
29	128	19	147	40	187	18	169
30	128	18	146	40	186	18	168
31	122	18	140	41	181	18	163
Totals	4900	571	5471	1099	6570	780	5690
Max	186	20	206	41	239	41	197
Min	122	15	140	33	181	17	163
Mean	158	18	176	35	206	25	180

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

SEPTEMBER

Day	Vivian River	Park Fork	Total Inflow		Total Ut.Val.	Tun. Stor.	Natural River Ut.Valley.
1	130	18	138	41	179	18	161
2	130	18	138	42	180	18	162
3	131	18	149	42	191	18	173
4	122	17	139	43	182	18	164
5	122	18	140	44	184	18	166
6	120	20	140	44	184	18	166
7	120	20	140	45	185	18	167
8	120	21	141	44	187	18	169
9	118	21	139	46	185	18	167
10	122	20	142	47	189	18	171
11	110	21	131	46	179	3	176
12	110	21	131	49	180	3	177
13	110	20	130	50	180	3	177
14	112	21	133	49	182	3	179
15	108	20	122	48	170	3	167
16	105	20	125	48	173	3	170
17	110	22	132	48	180	3	177
18	105	22	127	47	174	3	171
19	102	22	124	47	171	3	168
20	102	22	124	46	170	3	167
21	108	24	132	46	178	3	175
22	105	23	128	46	174	3	171
23	110	24	134	45	179	3	176
24	115	24	139	45	184	3	181
25	112	22	134	45	179	3	176
26	186	25	179	44	223	3	220
27	128	25	153	44	195	3	192
28	120	25	145	44	187	3	184
29	126	23	159	43	202	3	199
30	126	23	189	43	202	3	199
••	•••	••	•••	••	•••	•	••••
Totals	3809	654	4143	1365	5508	240	5268
Max	186	24	179	50	223	18	220
Min	102	17	122	41	170	3	161
Mean	117	21	128	46	185	8	176

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C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

MAY

Day	Vivian River	Rock Fork	Total	Inflow	Total Ut.Val.	Tem. Stor W.R.	Natural River Ut.Valley.
1	319	19	338	19	357	..	357
2	283	19	302	20	322	..	322
3	283	19	302	21	323	..	323
4	276	19	295	21	316	..	316
5	248	19	267	22	289	..	289
6	255	19	274	23	297	..	297
7	222	19	241	24	265	..	265
8	255	20	275	25	300	..	300
9	215	20	235	27	262	..	262
10	215	20	235	28	263	..	263
11	215	20	235	29	264	..	264
12	209	20	229	30	259	..	259
13	189	20	209	31	240	..	240
14	177	22	199	33	232	..	232
15	183	22	205	34	239	..	239
16	183	23	206	36	242	13	229
17	183	18	201	37	238	11	227
18	189	18	207	39	246	12	234
19	196	18	214	40	254	20	234
20	209	26	235	42	277	36	241
21	312	25	337	44	381	105	276
22	453	26	479	45	524	111	413
23	453	25	478	47	525	120	405
24	415	25	440	49	489	129	360
25	362	25	387	51	438	127	311
26	422	25	447	53	500	129	371
27	501	25	526	55	581	131	450
28	584	26	610	57	667	128	539
29	715	26	741	59	800	130	670
30	770	26	796	61	857	131	726
31	961	32	993	63	1056	135	921
Totals	10452	686	11138	1165	12303	1468	10835
Max	961	32	993	63	1056	135	921
Min	177	18	199	19	232	...	227
Mean	337	22	359	38	397	47	350

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O.R.1933.

I N F L O W C U R V E

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Day	April	May	Jun	Jly	Aug.	Sept.
1	12	19	65	57	38	41
2	12	20	67	56	38	42
3	12	21	69	55	38	42
4	12	21	72	52	38	43
5	12	22	74	49	38	44
6	12	23	76	47	38	44
7	12	24	79	46	38	45
8	12	25	81	46	38	45
9	12	27	83	44	38	46
10	12	28	86	43	38	47
11	12	29	88	41	34	48
12	12	30	91	40	34	49
13	12	31	93	40	34	50
14	12	33	96	39	34	49
15	12	34	99	38	34	48
16	12	36	101	37	35	48
17	13	37	104	37	36	48
18	13	39	106	36	35	47
19	13	40	109	36	36	47
20	13	42	101	36	36	46
21	13	44	94	35	36	46
22	14	45	89	34	37	46
23	14	47	84	34	37	45
24	15	49	79	34	37	46
25	15	51	75	34	38	45
26	16	53	71	33	38	44
27	16	55	68	33	39	44
28	17	57	65	33	39	44
29	18	59	62	33	40	43
30	18	61	59	33	40	43
31	..	63	..	33	41	..
Totals	400	1165	2486	1338	1099	1365
Max	18	63	109	57	41	50
Min	12	19	59	33	33	43
Mean	13	38	83	40	35	46

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TPW:TPW

C.R.1933.

STORAGE WATER

SUMMARY

STORAGE AT RESERVOIRS AND OWNERSHIP.

RESERVOIR	GH.	Total Ac.ft.	Provo Res.	Wasatch Irrig.	Timp Irrig	Exten Irrig	Provo City	Wash. Irrig
Trial Lake	37.0	1590	719	398	397	76	....	....
Washington	32.4	1571	846	468	468	89	....	....
Wall Lake	25.7	1552	703	387	388	74	....	....
Star Lake	...	314	141	78	79	16	....	....
Long Lake	21.5	824	746	...	...	78	....	....
Lost Lake	20.0	1003	322	...	...	47	634	....
N.Fork #6	...	420	...	...	420	..	....	....
Marjorie	...	260	...	...	260	..	....	....
Big Elk	19	671	...	....	...	..	....	671
Echo Reserv.	..	3478	3220	...	...	258	....	...
Provo City assigns to Provo Res.Co.		...	337	...	...	...	-337	...
Sub-total	..	11923	7034	1331	2612	638	297	671
Transit Charge		340	139	53	61	15	26	26
Net Total		11643	6895	1278	1931	623	271	645

RELEASED FROM RESERVOIRS:

	JUNE	JULY	AUGUST	SEPT	TOTAL
Echo Reser.	2164	1314	....	....	3478
Provo River	237	5478	2060	500	8275
Washington	...	671	....	...	671
Totals	2401	7463	2060	500	12424

DELIVERED TO CANALS:

	JUNE	JULY	AUGUST	SEPT	TOTAL
Provo Res.Co	1990	1214 / 2027	1400	280	6911
Extension	148 / 15	192 / 313	....	...	689
Timpanogus	140	1594	245	...	1979
Wasatch	...	1224	88	...	1312
Provo City	...	6	269	...	275
Washington	...	644	...	...	644
To River	...	...	204	165	369(a)
Transit Charge	10*	230*	80*	20*	340
Totals	2324	7444	2284	465	12519

* Approximate. (a) Increase in storage during storms, released as shown.

Echo Storage underscored.

TFW:TFW

HEAD PROVO RIVER
STORAGE WATERS.

RELEASED				DELIVERY Timpanogos			Wasatch			Provo City			Provo Res.Co.		
1933 Aug	Cfs	Aft	T	Cfs	Aft	T	Cfs	Aft	T	Cfs	Aft	T	Cfs	Aft	T
1	70	140		23	46		33	66		3	6		38	76	
2	70	140		23	46		33-0	22	Sa	5	10		38-39	77	Sa
3	70	140		23	46		..	..		5	10		39	78	
4	70-31	114	dp	23	46		..	..		5	10		39	78	
5	31	62		23	46		..	..		5	10		39	78	
6	31	62		23-0	15	Sa	..	..		5	10		39-25	60	Sa
7	31	62		..	..		..	..		5	10		25	50	
8	31	62		..	..		..	..		5	10		25	50	
9	31	62		..	..		..	..		5	10		25	50	
10	31	62		..	..		..	..		5	10		25	50	
Totals					245			88							
				To River Of Reserve.											
11	31	62		..	..					5	10		25	50	
12	31	62		..	..					5	10		25	50	
13	31	62		..	..					5	10		25	50	
14	31	62		5	10					5	10		20	40	
15	31	62		5	10					5	10		20	40	
16	31	62		5	10					5	10		20	40	
17	31	62		5	10					5	10		20	40	
18	31	62		5	10					5	10		20	40	
19	31-25	58	dp	5	10					5	10		20	40	
20	25	50		4	8					5	10		20-15	35	Sa
21	25	50		4	8					5	10		15	30	
22	25	50		4	8					5	10		15	30	
23	25	50		4	8					5	10		15	30	
24	25	50		4	8					5	10		15	30	
25	25	50		4	8					5	10		15	30	
26	25	50		4	8					5	10		15	30	
27	25	50		4	8					5	10		15	30	
28	25	50		9	18					5-0	3		15	30	
29	25	50		9	18					..	..		15	30	
30	25	50		9	18					..	..		15	30	
31	25	50		9	18					..	..		15	30	
Totals		2060			204						240			1400	
Sept															
1	25	50		9	18					..	..		15	30	
2	25	50		9	18					..	..		15	30	
3	25	50		9	18					..	..		15	30	
4	25	50		9	18					..	..		15	30	
5	25	50		9	18					..	..		15	30	
6	25	50		9	18					..	..		15	30	
7	25	50		9	18					..	..		15	30	
8	25	50		9	18					..	..		15	30	
9	25	50		9	18					..	..		15	30	
10	25	50		9	3					..	..		15-0	10	Sa
Totals		500			165									280	

C.R.1933.

DIVERSION CANAL WATERS. SHINGLE CREEK WATERS AND OTHER WATERS TO UTAH LAKE AND PROVO RESERVOIR CANAL.

Time Utah Valley: Shingle Creek and Diversion Canal waters in transit 1 day.

Volume in Acre Feet.

1933	PROVO RESERVOIR CANAL				To PROVO RIVER		TO UTAH LAKE			
Day	Total in	Diver Canal	Shing Creek	Other Rights	Total Shing	Total Diver	Diver Canal	Shing Creek	Other Waters	Total
MAY	Canal	Water	Water		Creek	Canal	Water	Water		
~~15~~	20	...	....	...	#	...	...	...	...	...
16	16	16	...	...	#	[illegible]	...	...	...	...
17	24	25	...	...	#	22	...	...	...	...
18	32	32	...	...	#	24	...	...	...	...
19	32	32	...	...	#	39	...	...	...	...
20	54	54	...	...	#	72	...	...	...	...
21	174	174	...	...	#	210	...	...	...	...
22	345	226	78	...	78	222	...	...	...	...
23	337	242	80	...	80	239	...	...	...	...
24	306	262	44	...	82	258	...	(38)	...	...
25	300	260	40	...	84	254	...	(44)	...	...
26	306	260	46	...	86	258	...	(40)	...	...
27	300	225	88	76	88	262	40	...	...	40
28	386	60	106	220	106	256	200	...	...	200
29	386	...	...	386	122	260	262	122	58	442
30	414	...	...	414	138	262	270	138	138	546
31	400+	...	...	400+	147	270	270	147	491	908
Totals		1869	482		1011	2934	1042	407	687	2136
JUNE										
1	400+	...	...	400+	156	112	135	156	617	908
2	"	...	...	"	174	...	...	174	1346	1520
3	"	...	...	"	180	59	59	180	1581	1820
4	"	...	...	"	180	242	242	180	1298	1720
5	"	...	...	"	161	238	238	161	861	1260
6	"	...	...	"	156	238	238	156	706	1100
7	"	...	...	"	156	242	242	156	756	1154
8	"	...	...	"	155	242	242	155	609	1006
9	"	...	...	"	145	242	242	145	551	938
10	"	...	...	"	277	245	245	277	666	1188
11	"	...	...	"	308	255	255	308	779	1342
12	"	...	...	"	222	272	272	222	797	1291
13	"	...	...	"	213	294	294	213	593	1100
14	"	...	...	"	224	294	294	224	479	997
15	"	...	...	"	210	304	304	210	414	928
16	"	...	...	"	202	304	304	202	161	667
17	366	...	...	366	176	271	271	176	146	593
18	344	...	...	344	163	257	257	163	18	438
19	384	...	65	319	142	245	245	77	...	322
20	376	78	115	183	115	240	162	...	...	162
21	360	172	103	85	103	219	47	...	...	47
Totals June		250	283		3818	4815	4588	3535	12378	20501
Grand Tot.		2119	765		4829	7749	5630	3942	13065	22637

C.R.1933.

WEBER RIVER WATERS, ECHO STORAGE,
PROVO RIVER STORAGE, AND TUNNEL
WATERS TO PROVO DIVISION.
(In CFS.)
-1933-

	May	JUNE				JULY				AUGUST			SEPTEMBER		
				Eco		Eco	PR.			PR.			PR.		
Day	W.R.	W.R	T	Str	Tot	Str	Str	T	Tot	Str	T	Tot	Str	T	Tot
1	..	136	.	...	136	98	..	2	100	38	2	40	15	3	18
2	..	...	.	...	...	85	..	2	87	38	2	40	15	3	18
3	..	...	.	...	...	65	..	2	67	39	2	41	15	3	18
4	..	121	.	...	121	65	..	2	67	39	2	41	15	3	18
5	..	119	.	...	119	65	..	2	67	39	2	41	15	3	18
6	..	119	.	...	119	25	45	2	68	39	2	41	15	3	18
7	..	121	.	...	121	31	45	2	78	25	2	27	15	3	18
8	..	121	.	...	121	31	45	2	78	25	2	27	15	3	18
9	..	121	.	...	121	31	30	2	63	25	2	27	15	3	18
10	..	122	.	...	122	45	16	2	63	25	2	27	15	3	18
11	..	128	.	...	128	45	16	2	63	25	2	27	..	3	3
12	..	136	.	...	136	45	16	2	63	25	2	27	..	3	3
13	..	147	.	...	147	30	14	2	46	25	2	27	..	3	3
14	..	147	.	...	147	10	46	2	58	20	2	22	..	3	3
15	..	152	.	...	152	10	46	2	58	20	2	22	..	3	3
16	15	152	.	...	152	..	50	2	52	20	2	22	..	3	3
17	11	136	.	...	136	..	50	2	52	20	2	22	..	3	3
18	12	128	.	...	128	..	50	2	52	20	2	22	..	3	3
19	20	122	.	...	122	..	50	2	52	20	2	22	..	3	3
20	26	120	.	...	120	..	50	2	52	20	2	22	..	3	3
21	105	110	2	...	112	..	41	2	45	15	2	17	..	3	3
22	111	...	2	107	109	..	38	2	40	15	2	17	..	3	3
23	120	...	2	110	112	..	38	2	40	15	2	17	..	3	3
24	129	...	2	102	104	..	38	2	40	15	2	17	..	3	3
25	127	...	2	102	104	..	38	2	40	15	2	17	..	3	3
26	129	...	2	102	104	..	38	2	40	15	3	18	..	3	3
27	131	...	2	101	103	..	38	2	40	15	3	18	..	3	3
28	128	...	2	93	95	..	38	2	40	15	3	18	..	3	3
29	130	...	2	93	95	..	38	2	40	15	3	18	..	3	3
30	131	...	2	93	95	..	38	2	40	15	3	18	..	3	3
31	135	---	-	---	---	..	38	2	40	15	3	18	---	-	-

Ex:- W.R. -- Weber River Water thru Diversion Canal to Provo Reservoir Canal and Utah Lake during highwater.
Eco Str. -- Weber River water thru Diversion Canal to Provo Reservoir Canal and charged as Echo Reservoir storage.
T-- Ontario Tunnel water passed to Provo Division, not considered until June 21.
PR. Str -- Storage Water from the head of Provo River to Provo Reservoir Canal.

C?R?1933.

P R E C I P I T A T I O N

1932-X-1933

	Oct	Nov	Dec	Jan	Feb	Mar.	Apl	May	Jun	Jly	Aug	Sep.
HEBER El.5600												
Precip.	0.32	0.41	1.98	1.83	1.21	0.91	1.43	1.83	0.00	0.49	0.34	0.86
Mean Prec	1.41	1.39	1.56	2.11	1.99	2.05	1.47	1.39	0.63	0.79	1.02	1.19
Depart.	-1.09	-.98	+.42	-.28	-.78	-1.14	-.04	+.14	-.63	-.30	-.66	-.61
Tot Prec	0.32	.73	2.71	4.54	5.75	6.66	8.09	9.62	9.62	10.11	10.45	11.05
Tot Mean	1.41	2.80	4.36	6.47	8.46	10.51	11.98	13.37	14.00	14.79	15.81	17.00
Accum	-1.09	-2.07	-1.65	-1.93	-2.71	-3.85	-3.89	-3.75	-4.38	-4.68	-5.36	-5.97
Per cent	35	26	62	70	68	63	68	72	69	68	66	65
PROVO El.4650												
Precip	0.67	0.57	1.02	1.04	0.58	0.64	0.92	1.08	0.03	1.10	0.24	0.22
Mean Prec	1.36	1.18	1.46	1.59	1.61	1.69	1.48	1.65	0.69	0.89	0.84	1.05
Depart	-.69	-.61	-.44	-.55	-1.03	-1.05	-.56	-.57	-.66	+.51	-.60	-.83
Tot Prec	0.67	1.24	2.26	3.30	3.88	4.52	5.44	6.52	6.55	7.65	7.89	8.11
Tot Mean	1.36	2.54	4.00	5.59	7.20	8.89	10.37	12.02	12.71	13.30	14.14	15.19
Accum	-.69	-1.30	-1.74	-2.29	-3.32	-4.37	-4.93	-5.80	-6.16	-5.65	-6.25	-7.08
Per cent	50	49	56	59	54	51	52	44	52	57	56	53
Salt Lake City El. 4400												
Precip	1.06	0.79	1.81	2.07	0.99	1.44	1.28	3.25	T	0.18	0.20	0.34
Mean Prec	1.44	1.38	1.43	1.31	1.51	1.98	2.15	1.92	0.80	0.51	0.85	0.98
Depart	-0.38	-.56	+.38	+.76	-.52	-.54	-.87	+1.33	-.80	-.33	-.65	-.64
Tot Prec	1.06	1.85	3.66	5.73	6.72	8.16	9.44	12.69	12.69	12.87	13.07	13.41
Tot Mean	1.44	2.79	4.22	5.53	7.04	9.02	11.17	13.09	13.89	14.40	15.25	16.23
Accum	-.38	-.94	-.56	+.20	-.32	-.86	-1.73	-.40	-1.20	-1.53	-2.18	-2.82
Per cent	74	66	87	104	95	90	86	97	91	89	86	83
Park City El. 7100												
Precip	0.96	1.38	2.30	3.19	1.57	1.39	1.70	1.66	0.07	1.72	0.45	0.48
Mean Prec	1.31	1.61	2.31	2.82	2.76	2.99	1.83	1.17	0.65	1.17	1.42	1.22
Depart	-.35	-.23	-.01	+.37	-1.19	-1.60	-.13	+.48	-.58	+.55	-.97	-.74
Tot Prec	0.96	2.34	4.64	7.83	9.40	10.79	12.49	14.14	14.21	15.93	16.38	16.86
Tot Mean	1.31	2.92	5.23	8.05	10.81	13.80	15.63	16.80	17.45	18.62	20.04	21.26
Accum	-.35	-.58	-.59	-.22	-1.41	-3.01	-3.14	-2.66	-3.24	-2.69	-3.66	-4.40
Per cent	73	80	89	97	87	78	280	84	81	86	82	79
Snake Creek El. 5950												
Precip	0.33	0.93	3.75	4.69	3.39	1.43	1.90	1.58	0.03	0.82	0.50	0.55
Mean Prec	1.70	1.97	3.54	2.85	3.18	2.73	2.40	1.42	0.68	1.21	1.39	1.73
Depart	-1.37	-1.04	+.21	+1.84	+.21	-1.30	-.50	+.16	-.65	-.69	-.89	-1.18
Tot Prec	0.33	1.26	5.01	9.70	13.09	14.52	16.42	18.00	18.03	18.85	19.05	19.60
Tot Mean	1.70	3.67	7.21	10.06	13.24	15.97	18.37	19.29	20.47	21.68	23.07	24.80
Accum	-1.37	-2.41	-2.20	-.36	-.15	-1.45	-1.95	-1.79	-2.44	-3.13	-4.02	-5.20
Per cent	19	34	69	96	99	91	89	91	88	85	83	80

TPW:TPW.

C.R.1933.

SNOW SURVEYS TRIAL LAKE COURSE.

-1933-

Date 1933	Depth Snow	Water Content	Per Cent
April 2	65.9	20.	30.4
May 13,	80.	25.6	32
May 28,	60.	21.6	36
June 3,	45.	19.5*	43
June 6.	39.6	18.6*	47
June 9,	34.8	16.8**	48

* In some of those measurement could not pick up the bottom of core, for slush.

** Used six holes, the other four could not pick up bottom.

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RECEIVED
JAN 27 1934
State Engineer's Office

C.R. 1932.

[illegible]

WEBER RIVER TO UTAH LAKE VIA

WEBER-PROVO DIVERSION CANAL.

As observed at South End Canal and Flowing to Provo River.

June 1932	Sec. Ft.	Acre Feet	Time Change.
5	60*	50*	2p
6	60-82	138	2p
7	82-97.7	177	2p
8	97.7	195	
9	97.7	195	
10	104	208	
11	109.7	219	
12	115	230	
13	119.5	239	
14	120	240	
15	120	240	
16	120	240	
17	120-3.5	86	1p
18	3.5	...	
19	3.5	...	
20	3.5	...	
21	3.5	...	
22	3.5-52.6	70	
23	52.6-64&		10a
	97.7	146	5p
24	98.9	198	
25	100.3	200	
26	98.2	196	
27	96.8	194	
28	96-0	96	12M
Total		3557	

* Approximate.

TFW:TFW.

STORAGE WATER
ECHO RESERVOIR.

1933 JUNE Day	S.End Diver Canal 10' Parshall Gage	Sec. Ft.	Weir Acre Feet	Inflow Acft.	Net Acft.	DELIVERY ACRE FEET. Provo Res. Company	Extension Irrig.Co.
21	190	110	220	5	215	215	...
22	192	111.8	224	5	219	219	...
23	191	110.9	222	5	217	203	14
24	191	110.9	223	5	218	204	14
25	191	110.9	222	5	217	203	14
26	188	108.1	216	5	211	202	14
27	188	108.1	216	5	211	186	24
28	194	113.7	227	5	222	186	24
29	192	111.8	224	5	219	186	40
30	190	110	220	5	215	186	24
Totals			2214	50	2164	1990	168

1933 JULY Day							
1	190	110					
	182	102.7	223	6	217	181	24
2	182	102.7					
	154	78.6	205	6	199	180	24
3	143	68.2	136	6	130	130	24
4	134	62.9	126	6	120	130	24
5	134	62.9	126	6	120	46	24
6	110	45.9	92	6	86	62	24
7	111	46.6	93	6	87	62	24
8	110	45.9	92	6	86	62	24
9	100	39.4	78	6	72	55	--
10	91	34.5	69	6	63	55	--
11	82	28.7	57	6	51	55	--
12	62	18.4	37	6	31	60	--
13	50	13.1	26	6	20	46	--
14	42	9.9	20	6	14	20	--
15	39	9	18	6	12	7	--
16	30	5.9	12	6	6	--	--
17	21						
18	20						
Totals			1410	96	1314	1214	192

C.R. 1933

MEAD PROVO RIVER
STORAGE WATERS.

RELEASED -&- DELIVERY

1933 June Day	Cfs	Aft	T	Tispanogus. Cfs	Aft	T	Extension Cfs	Aft	T	Wasatch Cfs	Aft	T	Provo Res. Co. Cfs	Aft	T
27	0-10	10	12m	10	15	8a	..	..		..	..		..	..	
28	10-30	47	8a	10	20		..	..		..	..		..	..	
29	30-50	80	12m	10-30	47	8a	..	..		..	..		..	..	
30	50-100	100		30	60		8	16		..	..		..	..	
Totals		237			140			16		..	..		..	..	
JULY													..	..	
1	50	100		30	60		8	16		0-10	14	8a	..	..	
2	50	100		30	60		8	16		10	20		..	..	
3	50-90	123	5p	30	60		8	16		10	20		..	..	
4	90	180		30-25	54	8a	8	16		10	20		..	..	
5	90	180		25.5	51		8	16		10	20		43	86	
6	90-75	170	4p	25.5	51		8	16		10	20		43	86	
7	75	150		25.5	51		8	16		10	20		43	86	
8	75	150		25.5	51		8	16		10	20		28.5	57	
9	75	150		25.5	51		20	40		10	20		16.5	33	
10	75	150		25.5	51		20	40		10	20		16.5	33	
11	75	150		25.5	51		20	40		10	20		16.5	33	
12	75-85	160	12M	25.5	51		20	40		10	20		16.5	33	
13	85-100	177	6p	25.5	51		20-0	25	3p	10	20		16.5-46.5	59	3p
14	100	200		25.5	51		..	..		10-[illegible]	20		46.5	93	
15	100	200		25.5	51		..	..		10-20	33	8a	46.5-50.5	98	8a
16	100	200		25.5	51		..	..		20	40		50.5	101	
17	100	200		25.5	51		..	..		20	40		50.5	101	
18	100-90	195	6p	25.5	51		..	..		20	40		50.5	101	
19	90	180		25.5	51		..	..		20	40		50.5	101	
20	90-100	183	8p	25.5	51		..	..		20	40		50.5-41	88	8a
21	100	200		25	50		..	..		20-33	57	8a	41-38	78	8a
22	100	200		25	50		..	..		33	66		38	76	
23	100	200		25	50		..	..		33	66		38	76	
24	100	200		25	50		..	..		33	66		38	76	
25	100	200		25	50		..	..		33	66		38	76	
26	100	200		25	50		..	..		33	66		38	76	
27	100	200		25	50		..	..		33	66		38	76	
28	100	200		25	50		..	..		33	66		38	76	
29	100	200		25	50		..	..		33	66		38	76	
30	100	200		25-23	48	8a	..	..		33	66		38	76	
31	100-70	180	4p	23	46		..	..		33	66		38	76	
Totals		5478			1594			313			1[illegible]			2027	

Provo City July 31, 3 cfs, 6 acre feet.

Big Elk Reservoir Release July 2 8 am to July 22, 8 am. 671 acre feet.
Delivered to Washington Irrigation Co same dates 644 acre feet.

C.R.1933.

NATURAL PROVO RIVER

UTAH VALLEY

1933

JUNE

Day	Vivian River	Park Peak	Total	Inflow	Total Ut.Val	Tun. Stor W.R.	Natural River Ut.Valley.
1	1060	34	1094	65	1159	155	1004
2	1080	34	1054	67	1121	00	1121
3	1180	34	1214	69	1283	00	1283
4	1370	34	1404	72	1476	121	1355
5	1360	33	1393	74	1467	119	1348
6	1060	40	1100	76	1176	119	1057
7	1080	24	1104	79	1183	121	1064
8	961	26	987	81	1068	121	947
9	922	26	958	83	1041	121	920
10	932	24	956	84	1044	122	922
11	1080	26	1106	88	1194	128	1066
12	1150	31	1181	91	1272	136	1136
13	990	33	1023	93	1116	147	969
14	922	31	953	96	1049	147	902
15	941	30	971	99	1070	152	918
16	817	29	846	101	947	152	795
17	733	29	762	104	866	135	731
18	661	26	687	106	793	128	665
19	618	25	643	109	752	122	630
20	534	25	559	101	660	120	540
21	453	24	477	94	571	112	459
22	385	24	409	89	498	109	389
23	333	24	357	84	441	112	329
24	319	23	342	79	421	104	317
25	341	23	364	75	439	104	335
26	333	23	356	71	427	104	323
27	312	22	334	68	402	103	299
28	312	20	332	65	397	95	302
29	301	20	321	62	383	95	288
30	283	20	303	59	362	95	267
..	...	..	...	..	...	..	...
Totals	22773	821	23594	2486	26080	3379	22701
Max	1370	40	1404	109	1476	152	1355
Min	283	20	303	59	362	00	267
Mean	759	27	786	83	869	112	757

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C.R.1933.

SALT LAKE CITY, UTAH.

PRECIPITATION TABULATED

IN SEVEN YEAR CYCLES.

(Graph on next page)

Year Ending Sept.30.	I	II	III	IV	V	VI	VII	Total	Mean	Per Cent of Mean
A 1875-81	19.10	24.60	17.69	22.16	10.22*	12.49	15.48	121.74	17.39	108- 108
B 1882-88	16.50	13.37	19.76	18.06	18.46	14.60	10.71	111.46	15.92	99
C 1889-95	14.21	17.73	13.43	13.78	17.43	17.27	10.95	104.80	14.97	93
D 1896-02	17.30	16.86	15.86	17.39	12.96	16.57	11.40	108.34	15.48	96
E 1903-10	14.16	17.76	14.51	19.53	18.90	20.15*	10.55	115.56	16.51	102
F 1911-17	15.66	17.99	18.29	17.19	14.53	13.38	18.44*	115.49	16.50	102
G 1918-24	14.41	12.13	19.42	16.68	19.40	21.72	11.25	115.01	16.43	102
H 1925-31	20.97	14.54	18.90	13.69	17.17	14.23	10.49	109.99	15.71	97
Total	132.30	134.98	137.86	138.48	129.07	130.41	99.29	902.39	128.91	
Mean 1875-1931	16.54	16.87	17.24	17.31	16.13	16.30	12.41	112.80	16.11	

Exceptions*. Mean of 1908-09*