THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

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SUMMARY OF WATER DISTRIBUTION OF POT CREEK AND TRIBUTARIES, MARCH 21 TO MAY 22,1960

		Allotments as decreed		
A. Water Supply: March 21 through May 22, 1960	Total	Zelph Calder	William Allen	Colorado Rights
	Ac.-ft.	Ac.-ft.	Ac.-ft.	Ac.-ft.
1. Main Pot Creek Flow as measured at U.S.G.S. Station	948	376	493	79
2. Beeler Creek Flow (Partially estimated)	95	0	95	0
3. Dry Hollow Flow (Partially Estimated)	51	51	0	0
4. Precipitation on lake	11	11	0	0
Total	1,105	438	588	79
B. Actual Distribution or Charge to May 22, 1960				
1. Surface Res. storage	1,034	786	238	0
2. Bank storage in Res.	49	49	0	0
3. Evaporation from Lake	22	16	16	0
Total	1,105	851	254	0
C. Adjustment needed as of May 22, 1960	- -	-413	334	79

Typed: 6-10-60
By. E C A

SUMMARY OF WATER DISTRIBUTION OF POT CREEK AND TRIBUTARIES, MARCH 21, 1960 to June 7, 1960

		Allotment, as Decreed		
A. Water Supply: March 21, through June 7, 1960	Total Ac/ft	Zelph Calder Ac/ft	William Allen Ac/ft	Colorado Rights Ac/ft
1. Main Pot Creek Flow, as measured at U.S.G.S. Station	1103	374	604	125
2. Beeler Creek Flow (Partially estimated)	76	0	76	0
3. Dry Hollow Flow (Partially estimated)	39	39	0	0
4. South Draw	31	31	0	0
5. Precipitation on Lake	11	11	0	0
Total:	1260	455	680	125
B. Actual Distribution, or Charge to June 7, 1960				
1. Surface Res. Storage	1127	782	345	0
2. Bank Storage in Res.	57	57	0	0
3. Evaporation from Lake	76	38	38	0
	1260	877	383	0
Released, by Commissioner (6-20 to 6-28)		/1	151	0
Adjustment Needed:			534 146	125

/1 Unknown release, by Zelph Calder

Evaporation: Diamond Mountain Area

	March	April	May	June
Inches per month	1.0	2.5	3.0	4.0
Feet per month	0.08	0.20	0.25	0.33
Feet per day	0.003	0.007	0.008	0.011

Evaporation from Matt Warner Reservoir:

March 21 to April 9, 1960, inclusive, at 0.005' per day, on an average area of 62 acres for 20 days = 6.2 ac/ft.

April 10 to May 22, 1960, inclusive, at 0.008' per day, on average of 34 acres for 44 days = 44 ac/ft.

May 23 to May 31, 1960, inclusive, at 0.008' per day, on an average area of 144 acres for 9 days = 10.8 ac/ft.

June 1 to June 7, 1960, inclusive, at 0.011' per day, on average area of 139 acres for 7 days = 15.3 ac/ft.

Total evaporation from Matt Warner Reservoir for the period, March 21 to June 7, 1960, inclusive = 76.3 ac/ft.

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SUMMARY OF WATER SUPPLY OF POT CREEK AND TRIBUTARIES, FROM BEELER CREEK TO THE HEADWATERS, THROUGH APRIL 9, 1960

A. Water Supply, through April 9, 1960

Source	Acreage	Expected Yield /6 Ac/ft	Yield in 1960 Ac/ft
Pot Creek	28,800	1440	514 /2
Tributaries	3480	174	146 /3
Total	32,280	1614	660 /1

B. Tributaries (Partially Estimated)

Source	Acreage	Expected Yield /6 Ac/ft.	Yield in 1960 /7 Ac/ft
Dry Hollow	870	43.5	39
South Draw	670	33.5	31
Beeler Creek	1660 /4	83	76
Beeler Creek	280 /5	14	+ /8
Total	3480	175	146 +

/1 11.5 Gage Height, April 9, 1960, reported by William Allen

/2 Pot Creek Flow, as measured at U.S.G.S. Station

/3 Computed Inflow, from reservoir storage and Pot Creek Flow

/4 Above Calder Diversion

/5 Below Calder Diversion

/6 Normal Yield

/7 Computed total, with estimated yield of each drainage

/8 Not determinable

ANALYSIS OF BEELER CREEK, DRY HOLLOW, AND SOUTH DRAW.

USE	TOTAL	BELLER CREEK	SOUTH DRAW	DRY HOLLOW
Irrigation	106.28 Ac.	61.12 Ac.	0	45.16 Ac.
Storage	35.5 Ac.ft	22.9 /3 Ac/ft	10.00 /1 Ac/ft	2.6 /2 Ac/ft
Drainage	3200	1660	670 Ac.	870 Ac.

/1 One resevoir on South Draw

/2 Two reservoirs on Dry Hollow

/3 Five reservoirs on Beeler Creek

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A. Water Supply: March 21, through May 22, 1960	Total	Zelph Calder	William Allen	Colorado Rights
	Ac/ft	Ac/ft	Ac/ft	Ac/ft
1. Main Pot Creek Flow, as measured at U.S.G.S.Station	948	376	493	79
1-a Revised Figures	1022	374	523	125
2. Beeler Creek Flow (Partially estimated)	95	0	95	0
2-a Revised Figures	74		74	
3. Dry Hollow Flow (Partially estimated)	51	51	0	0
3-a Revised Figures	41	41		
3-b South Draw (Partially est.) Revised Figures	31	31		
4. Precipitation on Lake	11	11	0	0
	1179	457	597	125
B. Actual Distribution or Charge, to May 22, 1960				
1. Surface Res. Storage	1024	786	238	0
1-a Revised Figures	1044	786	258	
2. Bank Storage in Res. (10.8%)	49	49	0	0
2-a Revised Figures	85	85		
3. Evaporation from Lake	32	16	16	0
2-c Revised Figures	50	25	25	
	1179	896	283	
C. Adjustment needed as of May 22, 1960	--	-413	334	79
Revised Figures		457	314	125