

ON

November 30, 1978

DEC

RECEIVED
DEC 04 1978
WATER RIGHTS

Mr. Donald C. Norseth
Division Of Water Rights
200 Empire Building
231 East 400 South
Salt Lake City, Utah

Dear Don,

Re: Sevier R.

This is a breakdown of how Roger Walker and myself assessed the losses and how they were assigned to the individual users.

What happened was a combination of several things such as inexperience on my part, unbelievable losses in two reservoirs and assuming that the gaging station below Piute Reservoir would not have any changes or shifts.

We ended up with 23,000 Ac. Ft. of credits and only 8000 Ac. Ft. of water to satisfy those credits. We were out 15,000 Ac. Ft. of water.

Roger and I recalculated the Reservoirs and found the losses there. We recalculated the corrections or shifts on the gaging stations. We noted a large loss in transportation of the water from the Otter Creek Reservoir to the Piute Reservoir.

The following pages are how the losses were found and assigned according to the percentage of Primary water owned and the percentage of the Reservoir owned.

If you have any questions I'll be glad to try and explain it to you.

Sincerely Yours,

Ray J. Owens

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Sevier River Commissioner

cc. Stan Adams
Lee Gould
Roger Walker

CREDITS OUT ON SEPTEMBER 1st

South Bend Canal	1768
Wells Canal	1125
Sevier Valley Canal	3753
Isaacson Canal	58
Joseph Canal	675
Monroe Canal	2503
Brooklyn Canal	1855
Elsinore Canal	1309
Riehfield Canal	6330
Annabella Canal	2178
Vermillion	294
Piute Canal	<u>1301</u>
Total	23,149

Water Remaining: Piute Reservoir Dry

Otter Creek Reservoir 8,158

Credits 23,149

Water Left 8,158

Over Allotment 14,991 Ac. Ft.

Loss Calculation

Piute Reservoir Losses	April	3744 Ac. Ft.
	May	4147 Ac. Ft.
	June	127 Ac. Ft.
	July and August	off-set each other
Total Reservoir Loss		<u>8018 Ac. Ft.</u>
Loss assessed		<u>2800 Ac. Ft.</u>
Losses left to be assessed		5218 Ac. Ft.
Piute credits remaining		<u>1301 Ac. Ft.</u>
Overdraft		3917
Assessed loss to Sevier Bridge Res.		908 Ac. Ft.
Assessed to Piute Res.		3009 Ac. Ft.

The 3009 Ac Ft. figure was carried as an overdraft for the Piute Canal Company.

Otter Creek Reservoir Losses and Transportation Losses 6232 Ac. Ft.

Recalculation of Primary water showed this amount of correction 3541 Ac. Ft.

Loss Calculation

South Bend Canal 1768 Ac. Ft. Credit

% of Primary Owned -0-		
% of Otter Creek Res.	18.22 X 6232 =	1135 Ac. Ft.
	Credit	1768 Ac. Ft.
		<u>633</u> Ac. Ft. of Credit

Wells Canal		1125 Ac. Ft. Credit
% of Primary owned	3.67% X 3541 =	130 Ac. Ft.
% of Otter Creek Res.	2.84 X 6232 =	177 Ac. Ft.
	Total	<u>307</u> Ac. Ft.
	Credit	1125 Ac. Ft.
	Remaining Credit	<u>818</u> Ac. Ft.

Sevier Valley Canal		3753 Ac. Ft. of Credit
% of Primay owned	1.73% X 3541 =	61 Ac. Ft.
% of Otter Creek Res.	19.95 X 6232 =	1243 Ac. Ft.
	Total Loss	<u>1304</u> Ac. Ft.
	Credit	3753 Ac. Ft.
	Remaining Credit	<u>2449</u> Ac. Ft.

Isaacson Canal		58 Ac. Ft. Credit
% of Primay	.98% X 3541 =	35 Ac. Ft.
% of Otter Creek Res.	0	0
	Total	<u>35</u>
	Credit	58
	Remaining Credit	<u>23</u> Ac. Ft.

Joseph Canal		675 Ac. Ft. Credit
% of Primary owned	8.72% X 3541 =	309 Ac. Ft.
% of Otter Creek Res.	5.34% X 6232 =	333 Ac. Ft.
	Total Loss	<u>642</u>
	Credit	675
	Remaining Credit	<u>33</u> Ac. Ft.

Monroe Canal		2503 Ac. Ft. Credit
% of Primary owned	16.14% X 3541 =	572 Ac. Ft.
% of Otter Creek Res.	11.35% X 6232 =	707
	Total Loss	<u>1279</u>
	Credit	2503
	Remaining Credit	<u>1224</u> Ac. Ft.

Brooklyn Canal	1855 Ac. Ft. Credit
% of Primary owned	10.03% X 3541 = 355 Ac. Ft.
% of Otter Creek Res.	5.27% X 6232 = 328
	Total Loss <u>683</u>
	Credit <u>1855</u>
	Remaining Credit <u>1172</u> Ac. Ft.

Elsinore Canal	1309 Ac. Ft. Credit
% of Primary owned	6.37% X 3541 = 226 Ac. Ft.
% of Otter Creek Res.	4.76% X 6232 = 297 Ac. Ft.
	Total Loss <u>523</u>
	Credit <u>1309</u>
	Remaining Credit <u>786</u> Ac. Ft.

Richfield Canal	6330 Ac. Ft. Credit
% of Primary owned	28.94% X 3541 = 1025 Ac. Ft.
% of Otter Creek Res.	21.68% X 6232 = 1351 Ac. Ft.
	Total Loss <u>2376</u>
	Credit <u>6330</u>
	Remaining Credit <u>3954</u> Ac. Ft.

Annabella	2178 Ac. Ft. Credit
% of Primary owned	10.24% X 3541 = 363 Ac. Ft.
% of Otter Creek Res.	2.27% X 6232 = 141 Ac. Ft.
	Total Loss <u>504</u>
	Credit <u>2178</u>
	Remaining Credit <u>1674</u> Ac. Ft.

Vermillion Canal	294 Ac. Ft. Credit
% of Primary owned	12.73% X 3541 = 451 Ac. Ft.
% of Otter Creek Res.	8.31% X 6232 = 518
	Total Loss <u>969</u>
	Credit <u>294</u>
	Remaining Credit <u>-675</u> overdraft

Piute Canal	1301 Ac. Ft. credit
Reservoir Loss	<u>4310</u> Ac. Ft.
	<u>3009</u> Ac. Ft. Overdraft