

## ESCALANTE VALLEY DISTRIBUTION REPORT - MILFORD AREA<sup>1</sup>

### Introduction

Administrative control of water is either wanted or resisted depending on a person's interests and understanding of benefit and effect of control. In situations where there is a question as to the sufficiency of the water supply for all appropriators, it is understandable that initial developers want some protection for their investments, and the later appropriators may desire that only the beneficial needs of the earlier appropriators be allowed. Thus, it is natural to have differences as to the need for regulation of water, whether surface or underground.

The Proposed Determination of Water Rights in Escalante Valley was filed with the District Court in 1949. However, there was no enforced distribution prior to 1958. The lack of administration during this period contributed to general negligence upon the part of the water users in keeping records of their water rights up to date. Due to the confusion in water rights, the State Engineer resurveyed all irrigated lands and issued a revised Determination of Water Rights for the Escalante Valley. This Determination of Water Rights was submitted to the court 1963-64. Water distribution has been carried on in accordance with the rights in the Determination of Water Rights under interlocutory orders of the court.

### Distribution

The State Engineer, in response to an order of the court, organized distribution of the waters of Escalante Valley in 1958 after determining the water rights and consulting with local water users.

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On December 13, 1957, an order was issued by the District Court of the Fifth Judicial District limiting the use of water for irrigation in the Escalante Valley to three acre-feet per acre. This order was amended February 13, 1958, permitting maximum use of four acre-feet per acre and charging the fourth acre-foot or any part of it against the amount allowed for the following year. However, on July 3, 1958, this order was again amended and the limit extended to four acre-feet per acre of land cropped and irrigated in 1958. Provisions were also made that any use in excess of four acre-feet per acre would be deducted from water allotted for 1959.

In compliance with the order of the Fifth District Court, water meters were installed on irrigation wells in Escalante Valley during the early part of the season. A record was kept of water meter readings by the commissioner.

Regulation and measurement of water use was continued into 1959 as ordered by the Fifth District Court. Detailed distribution procedures and limitations are explained in the "Third Amendment to the Interlocutory Decree as to the Duty of Water" entered March 5, 1959. Portions of this order are included in this report. Also, a decision of the Supreme Court of the State of Utah was entered in January, 1960.

Now, therefore, it is hereby ordered

1. That during the irrigating season of 1959 the use of water from the underground basin involved herein shall be limited to four acre-feet of water per acre of land awarded a water right under the Proposed Determination herein.

2. That users who used in excess of four acre-feet during the year 1958 shall have charged against them the amount of such excess and at least one-fifth of the amount of such excess shall be deducted from amounts to be received in each year beginning with the year 1959 until the excess use has been compensated for.

3. That in case of extraordinary hardship to any individual water user caused by the aforesaid limitations, the Water Commissioner, after written application in form approved by the State Engineer, may permit use of additional water during the 1959 season but such additional water shall be charged against and deducted from the amount to be allowed such user in the year 1960.

4. That the water commissioner is directed to keep a record of withdrawals by the various users from the underground basin and report to the court at the end of the year the respective withdrawals and the amount of any excess withdrawals.

The Supreme Court order set out the following:

"We are of the opinion this provision is unworkable and will lead to confusion, uncertainty and deprivation of right. We have held one of the basic elements of a water right is the time, period of season when the right to the use exists. This must be unequivocally determined and set out. We now add to supplement such element that a water right is based upon annual use during the water use period of each year, or the entire year. An appropriator has a right to use a given quantity of water each year when the supply is available in the source according to his priority. If the supply is not sufficient, the use must be curtailed or cut off in inverse order of priority."

This Supreme Court decision modified the order and amendments entered by the Fifth District Court.

Also in 1959, due to the excessive travel and time required for a single water commissioner to efficiently cover the entire Escalante Valley, it was recommended that a division of the valley into the Milford Area and the Beryl-Enterprise Area be made for distribution purposes. Deputy water commissioners were appointed in each of these areas during 1959 to assist the water commissioner.

In compliance with the order of the District Court and in response to need, fifty requests were filed with the State Engineer asking to borrow water from the 1960 water allowance. Forty of these requests were from the Milford Area, and ten were from the Beryl-Enterprise Area.

In 1959, the State Engineer issued a statement wherein he set forth the policies under which water use and water development would be allowed in the Escalante Valley.

By directive he brought to completeness some one hundred applications in the Escalante Valley. This effectively stopped further development.

Portions of the State Engineer's Policy  
Escalante Valley Pump Areas, 1959

"Under the priority system, surface streams must be appropriated in terms of a rate of flow. The later priorities receive water only if there is a sufficiently large flow to meet all earlier rights.

With surface stored water, there is no limitation on the rate at which the owner of the water may withdraw it from the reservoir providing he does not do damage to his neighbors in using the water. The limit of flow is only the capacity of his facilities to carry the water and his ability to handle the stream.

With underground water, the rate of withdrawal is of limited importance in most cases. The important thing is the volume withdrawn and consumed. Whether the water for a farm is obtained in two days of each week or through continuous pumping throughout the week may have little or no effect on the use of the resource in the area.

In many areas of the West, it has been found most desirable to have an irrigation stream of such size that it can be applied to the soil reasonably efficiently. Even with small tracts of ground to be irrigated, fairly large streams might allow much higher application efficiencies than would smaller streams. Therefore, it seems only proper that water be so administered that most efficient use of water, labor, and land be the goal.

For the adjudicated portion of the Escalante Valley, no limit will be placed on the rate at which water is withdrawn from the earth. The only limit will be the acre-feet withdrawn during the season. There will be no flow restrictions on wells and reservoirs placed in the decree. However, there are areas of heavy pumpage where heavy drawdown has or will develop in both the Milford and the Beryl-Enterprise Areas. Such areas have been designated by the State Engineer. The present boundaries may be changed in succeeding years as deemed advisable. Special restrictions will be placed on changing points of diversion and use in the heavily pumped areas.

Change Applications

Changes in place of use and point of diversion will be allowed under the following conditions:

1. Water allowance is on the basis of the acres under the water right. Therefore, all of the water allowed to a right may be used anywhere on the land under the right, even though some of the land is non-cropped some years.

2. Individuals using more than one well will be allowed to take water from any or all the existing wells which can physically be used on the property without filing any change application. The decree will be so written.

3. At the beginning of each irrigation season the State Engineer shall define zones of 'apparent heavy pumping' into which transfer of right to pump water by temporary or permanent change will not be allowed. Transfer of a right out of the area will be permitted and encouraged. Temporary and permanent changes of both point of diversion and place of use within these zones may be granted. On the periphery of these designated critical zones, water transfer from the well of one individual to that of another will not be allowed, except where there can be an actual physical hook-up; i.e., lands lying adjacent to each other will be allowed to temporarily transfer water either in or out of the zone.

4. Although the decree will be written as of December 31, 1959, and all proper changes made by the office of the State Engineer, any further changes after that date must be filed in accordance with standard procedures, and the water commissioner shall be instructed that no water will be delivered to lands not properly covered by a right."

An attempt was made in 1959 to correlate the size of the stream pumped from the wells with the land irrigated. There appears to be little correlation. The unit use of water per acre of land does not seem to differ whether larger or smaller wells are used, nor do the acres per unit of stream seem to greatly influence the unit use of water.

In 1960, the Escalante Valley was divided into the Beryl-Enterprise Area Distribution System and the Milford Area Distribution System, each acting under their own water commissioner.

Distribution was carried on under the orders of the court but was amended in 1960 to alleviate extra hardships. The court permitted the use of more than four acre-feet per acre. This extra water was to be deleted from future distribution. The order of 1960 stated that the

average would be deducted at a rate of one-third each year over a three-year period. This was called the banking system.

Water Use

During 1961 water use was limited to four acre-feet per acre of land awarded a water right with the exception of those lands where more than four acre-feet was used in 1960. Water rights covering these lands had to be reduced one-third of the 1960 overage pumping, with the remaining two-thirds to be repaid in 1962 and 1963. The distribution in the following years has been carried on in accordance with the 1961 and 1962 court orders which limit use to four acre-feet per acre of land awarded a water right.

The water commissioners since 1958 have regularly observed and recorded the water use in the Escalante Valley. This use has been submitted to the State Engineer each year by the water commissioners in their "Annual Report of Water Distribution in Escalante Valley, Utah, Milford, Area". These reports are retained on file in the State Engineer's Office and are available for public inspection.

The water use in the Escalante Valley has increased during the period from 1962 to 1970 from 103,955 ac.-ft. in 1962 to 124,707 ac.-ft. in 1970, while the number of wells being pumped for irrigation has increased from 326 wells in 1962 to 348 wells in 1970. Water users have in some instances exceeded their water allocation of four acre-feet per acre by moving water to their lands under temporary change applications. It is noted that improper use of temporary changes required the State Engineer to change from a liberal policy of granting temporary changes to granting on an emergency basis only. Total basin allocation usually has not been exceeded, as over-use has usually been exceeded in amount by water allocations under rights not fully utilized. Table I is a summary of the pumpage in Escalante Valley for the period 1962 - 1970.

Table I

Summary of Wells and Acre-feet for Period of 1962-1970

Year	Number of Wells Pumped			Pumpage (ac.-ft.)		
	Milford	Beryl-Enterprise	Total	Milford	Beryl-Enterprise	Total
1962	141	185	326	42,717	61,238	103,955
1963	145	188	333	42,031	61,239	103,270
1964	143	202	345	44,117	70,897	115,014
1965	143	207	350	43,504	67,257	110,761
1966	143	210	353	49,270	78,158	127,428
1967	143	208	351	45,656	70,747	116,403
1968	143	200	343	46,024	73,531	119,555
1969	143	210	353	49,782	72,281	122,063
1970	143	205	348	55,274	69,433	124,707

During the observation period, the State Engineer has reviewed the reports of the water commissioners and the reports of the water levels in the Milford Area and has revised his policies to keep in line with a practical working system.

It is noted that the water table level has been lowering each year with varying acceleration rates depending upon the various parameters, such as precipitation, usage, etc. The current levels are the lowest on record, and the downward trend is continuing.

With the ever-increasing lowering water level, it is becoming apparent that the future action is needed to slow down the mining of water. A review of the available information is being made to assist putting into effect policies that will help towards this end. Table II summarizes the overpumpage in Escalante Valley. Recommendations have been made by the Distribution Division to the State Engineer from which he is developing new policy. Table III shows the accounts overpumped and the years each overpumped.

Table II

Summary  
Milford System

Year	Number of Accounts	Number of Overpumpers	Overpumpers to Total Pumpers (Percentage)	Total Pumpage (ac.-ft.)	Overpumpage (ac.-ft.)	Overpumpage to Total Pumpage (Percentage)
1962	84	34	40	42,717	3,020	7
1963	84	28	33	42,031	2,518	6
1964	83	33	39	44,116	2,611	6
1965	83	34	40	43,503	3,322	8
1966	84	37	44	49,270	6,167	13
1967	83	28	33	45,656	3,216	7
1968	83	22	26	46,023	2,054	4
1969	84	28	33	49,782	3,736	8
1970	84	40	48	55,274	5,903	10
Average 1962-70	84	31	37	46,486	3,616	8

Summary  
Beryl-Enterprise System

Year	Number of Accounts	Number of Overpumpers	Overpumpers to Total Pumpers (Percentage)	Total Pumpage (ac.-ft.)	Overpumpage (ac.-ft.)	Overpumpage to Total Pumpage (Percentage)
1962	137	18	13	61,239	1,984	3
1963	140	12	9	63,841	1,033	2
1964	139	11	8	70,897	1,607	2
1965	142	8	6	69,225	720	1
1966	142	12	8	78,158	1,211	2
1967	141	5	4	70,747	547	1
1968	141	6	4	73,531	992	1
1969	145	8	6	71,986	801	1
1970	146	10	7	69,433	1,035	1
Average 1962-70	141	10	7	69,895	1,133	1

Table III  
OVERPUMPAGE<sup>1</sup>  
 Escalante Valley, Milford Area

Account No.	Water User	1962	1963	1964	1965	1966	1967	1968	1969	1970
1	Yardley, Joe	x		x	x		x	x	x	x
2	Applegate, Lyle	x	x	x	x	x	x			
4	B.V.D.								x	x
5	Price, Max	x	x	x	x		x			
6	Van Tassel, Gail		x	x	x	x		x	x	x
8	Larson, Lewis		x	x	x	x	x			
10	Craw, Net	x								
11	Evans, Duard	x		x						
12	Marshall, Howard	x	x		x	x	x			
14	Goodwin, George	x		x	x	x	x		x	
15	Green Diamond			x	x	x			x	x
16	Harris, Fred				x	x				x
18	Willingham, L.						x	x	x	x
19	Jepps, E.L.	x					x	x	x	x
20	Jones, Donald	x		x	x	x	x	x		x
21	Mayer, James									x
22	Kessler, Joe	x	x			x	x	x	x	x
23	Nichols, William			x	x	x			x	x
24	L.D.S. Church				x	x	x	x	x	x
25	Moore, J.E.			x						x
26	Abbott, Norman		x		x					
27	Sly, Doyle	x	x	x	x	x				
28	Lofthouse, John				x	x	x	x		
29	Clause, Marshall	x	x	x		x				
30	Mayer Brothers	x	x	x	x	x	x		x	x
31	Mayer, Jerry								x	
32	Mayer, James		x	x	x	x	x	x	x	x

<sup>1</sup>(x) Overpumped.

OVERPUMPAGE  
Escalante Valley, Milford Area

Account No.	Water User	1962	1963	1964	1965	1966	1967	1968	1969	1970
33 & 34	Mayer, Leo	x	x	x	x	x			x	x
36	Yardley, Duane	x	x	x	x	x	x	x	x	x
37	Milford Farms		x		x					x
38	Powell, William	x	x	x	x	x	x	x	x	x
39	Gillins & Meyers									
40	Mayers, Frank	x	x	x		x				
41	Naruse, H.	x	x	x	x	x	x	x	x	x
42	Paice, Leon	x	x	x	x	x	x	x	x	
45	Price, Max	x		x						
46	Puffer, Orrin	x	x	x	x	x	x	x	x	x
47	Rimpau, Ted								x	x
48	McBride, James					x				
50	Thurston, Ross	x			x	x	x			x
52	Sherwood, Jim	x	x		x	x			x	
53	Sly, Don	x	x	x			x	x	x	x
54	Sly, Doyle	x		x						
55 & 56	Smith, George	x	x		x	x	x	x	x	x
57	Stewart, Irene	x	x	x	x					
59	Stewart, Max	x	x	x	x			x		
60	Stewart, William					x	x	x	x	x
62	Taylor, Kenley		x							
64	Pearson, Ralph	x	x	x	x	x	x		x	x
65	Tolley, H.L.			x	x	x				x
66	Carter, Dean									x
68	Gronning, V.	x		x		x				
69	Walker, Themon	x				x	x	x		x
71 & 83	Applegate, Elbert	x				x	x	x	x	x

OVERPUMPAGE  
Escalante Valley, Milford Area

Account No.	Water User	1962	1963	1964	1965	1966	1967	1968	1969	1970
72 & 81	Williams, McCoy	x	x	x	x	x	x	x	x	x
73	Wiseman, Wayne									x
74	Roberts, S.C.					x				x
76	Yardley, Waldo			x	x	x			x	x
77	Parkinson, Foch		x	x	x	x	x	x		x
83	Craw, Jack									x
<b>Totals</b>		33	28	33	34	37	28	22	28	37



OVERPUMPAGE  
Escalante Valley, Beryl-Enterprise Area

Account No.	Water User	1962	1963	1964	1965	1966	1967	1968	1969	1970
72	Mathew, William			x						
74	Mathew, Calvin					x				
75	S.P. Lipoma Co.					x			x	
76	Moyle, Austin D.	x	x		x		x			
77	Moyle, Gordon	x								
80	Nielsen, Niels	x							x	x
82	Pedersen, Alfred					x				x
85	Piper, Arthur					x	x	x		x
88a	Randall, Willard				x				x	
89	Reber, Jack			x	x	x		x	x	x
95	Sargent, D.L.				x		x			
96	Swartz, Albert	x				x				
100	Clark, Boyd					x				
101	Platt, Prince		x							
105	Smith, Ralph			x						
112	Vicerra, Margarita		x	x			x	x	x	
115	Woods, Lester	x								
116	Wuertz, G.T.	x								
127	Hulet, Melvin							x	x	
Totals		18	12	11	8	12	5	6	8	9

### Summary of Milford Area

The water users under the Milford Area Distribution System were allocated 54,552 ac.-ft. for 13,638 acres of ground on the basis of four ac.-ft. per acre of irrigated land. In the nine-year period from 1962 to 1970, they have exceeded the decreed allocation only in 1970 when they utilized 4.1 ac.-ft. per acre. Two checks were made of the cropped land versus the decreed acreage in 1968 and 1970. This data is summarized in Table IV. In 1968, water usage was 3.4 ac.-ft. per acre of decreed land while 4.2 ac.-ft. was used on the cropped land. Eighty per cent of the land awarded a water right was irrigated in 1968. In 1970, water usage exceeded four ac.-ft. per acre on the decreed land with 4.8 ac.-ft. being applied to the cropped land. Eighty-four per cent of the land awarded a water right was utilized in 1970.

There appears to be little relationship between size of farm and overpumpage in the Milford Area. The median farm is 77 acres, and the average size is 152 acres. Table V shows the farm units of each water user. The limitation appears to be in the size of the well and the flow able to be obtained.

Table IV

Water Usage Cropped Land to Deceased Land  
1968 and 1970

S.E. Acct. No.	Water User	1968			1970			W.U. Claim				
		Deceased Acres	Ac.-ft. Per Acre of Deceased Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Deceased Right		Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land		
1	Joe Yardley	64.8	259.2	371.6	4.2	64.1	4.2	278.3	4.2	66.4	4.2	65
2	Lyle Applegate	30.8	123.1	84.1	2.7	27.0	3.1	111.4	3.6	18.4	6.0	43
3	Wm. Dalton (Jeff Baldwin)	150.0	600.2	498.3	3.3	118.6	4.2	582.6	3.8	110.6	5.3	69,70
4	Wayne Wiseman (Lyle Wiseman)	87.1 44.2	348.4 176.8	283.3 0	3.3	73.1	3.9	442.1 0	5.1	83.3	5.3	537,539
5	Terral Bown	44.2	176.8	--	--	--	--	--	--	--	--	501
6	Gail Van Tassel	320.0 108.0 0.2	1712.8	1787.5	4.2	423.9	4.2	1896.6	4.4	423.9	4.5	1658,1644 1660,2844 1738
		56.7 40.0 68.7	661.6	709.9	4.3	175.9	4.0	970.6	5.9	175.9	5.5	1085,2189 2057,2184 533,2187
7	(LDS Church) Mayer Bros.	41.6 280.0	166.6 1120.0	0 541.9	0 1.9	37.2 283.0	0 1.9	107.6 845.7	2.6 3.0	37.2 252.4	2.8 3.4	145 1245
8	Cook Bros. (Beehive State Bank)	95.2 30.0 40.0	380.0 120.0 160.0	367.4 0 0	3.9 0 0	66.2 0 0	5.5 0 0	330.3 0 0	3.5 0 0	66.2 0 0	5.0 0 0	481,17, 480,35, 1846 482,2034 483,2035
9	Jack Crow	546.6	2186.4	1482.6	2.7	252.4	5.9	2159.9	4.0	337.1	6.4	1081,1086 1842

Water Usage Cropped Land to Deceerd Land  
1968 and 1970

.E. cct. o.	Water User	1968				1970				W.U. Claims		
		Deceerd Acres	Water Right Ac.-ft.	Water Used Ac.-ft.	Ac.-ft. Per Acre of Deceerd Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Deceerd Right		Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land
0	Roy Moody (Rosemary Davies)	160.0	640.0	611.5	3.8	82.5	7.4	340.9	2.1	42.2	8.1	1650
1	Ted Price	56.2	224.8	123.2	2.2	53.4	2.3	44.7	0.8	34.0	1.3	44
2	James Mayer	76.5	305.8	305.8	4.0	72.2	4.2	354.6	4.6	77.3	4.6	95,96,114
3	Ted Price (L. Gillins)	74.9	299.6	243.0	3.2	67.2	3.6	288.0	3.8	65.0	4.4	1246 3
4	Roy Moody (E.N. Davies)	63.7 28.2 80.0	687.4	594.4	3.5	134.1	4.4	413.1	2.4	109.1	3.8	23,227 538 542
5	Green Diamond (Munari & Kinoshita)	234.1 856.2	936.4 3424.8	850.7 3408.8	3.6 4.0	164.4 744.8	5.2 4.6	164.4 3796.9	3.7 4.4	871.5 754.2	5.3 5.0	1244 1615,1093, 1661,1617
6	Fred Harris	113.6	454.3	391.4	3.4	93.7	4.2	545.1	4.8	93.7	5.8	68,1592
8	Ross Marshall (R.A. Hildebrand)	620.7	2482.8	3728.8	4.4	410.4	6.6	3318.3	5.3	467.5	7.1	16,214,222 1247,1625, 1818,1819, 1930
9	Wm. Dalton (E.F. Jeppson)	154.0	616.0	856.4	5.6	152.0	5.6	755.0	4.9	154.0	4.9	614,1643
20	Jerry Mayer	153.2	112.8	601.8	3.9	153.3	3.9	732.1	4.8	153.3	4.8	115,116, 117,1918
21	James Mayer	55.6	222.6	230.0	4.1	69.5	3.3	269.9	4.8	77.2	3.5	113
22	Joe Kessler (Otto Kessler)	70.1	280.4	319.2	4.6	77.9	4.1	342.2	4.9	53.9	6.3	511

Water Usage Cropped Land to Decreed Land  
1968 and 1970

S.E. Acct. No.	Water User	1968				1970				W.U. Claim		
		Decreed Acres	Water Right Ac.-ft.	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right		Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land
23	Nelson Stott	36.3	145.2	145.2	4.0	36.3	4.0	169.7	4.7	36.3	4.7	431
24	LDS Church	70.1	280.4	314.4	4.5	70.1	4.5	375.4	5.4	70.1	5.4	534,535
25	H. Naruse (J.E. Moore)	37.4 30.0	269.6	203.0	3.0	72.3	2.8	318.2	4.7	75.5	4.2	112 502
26	Wm. Dalton (Norman Abbott)	108.1	432.4	364.5	3.4	108.1	3.4	418.3	3.9	91.5	4.6	80, 12
28	Waldo Yardley (John Lofthouse)	37.1	148.4	170.9	4.6	37.1	4.6	206.5	5.6	37.1	5.6	224
29	James E. Price	112.8	451.2	368.3	3.3	95.3	3.9	360.3	3.1	92.1	3.9	492,493
30	Mayor Bros.	280.0 46.0	1304.0	1200.1	3.7	282.5	4.2	1381.4	4.2	282.5	4.9	1844, 1845 525, 1849
		89.0	356.0	380.3	4.3	107.5	3.5	591.3	6.6	107.5	5.5	147, 150, 1 152, 1867, 1868, 1869 1870
		40.0 40.0 251.2	1324.8	972.7	2.9	328.7	3.0	1237.2	3.7	328.7	3.8	166, 835 2, 1834 1094, 1836
31	Jimmy Mayer	200.1 45.8	983.6	799.7	3.2	200.6	4.0	836.6	3.4	166.1	5.1	1609, 1389 1939
32	James Mayer	29.4 63.4 59.2	608.0	687.4	4.5	170.7	4.0	923.8	6.1	171.9	5.4	93 561, 563 1077, 1078

Water Usage Cropped Land to Decreed Land  
1968 and 1970

S.E. Acct. No.	Water User	Decreed Water Right			1968				1970				W.U. Claim
		Acres	Ac.-ft.	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land		
32	(continued)	25.0	100.0	353.7	14.1	68.0	5.2	486.1	19.4	68.0	7.1	1756	
34	James Mayer (Leo Mayer)	77.5 71.2 63.5 70.0	310.0 818.8	262.8 545.9	3.4 2.7	75.5 137.2	3.5 4.0	373.3 951.9	4.8 4.7	75.5 135.8	4.9 7.0	1806 47 474 180	
35	Russel Mayer	400.0 337.0	2948.0	2137.9	2.9	702.5	3.0	2846.3	3.9	713.6	4.0	1672,1608, 1889,1890 1454	
36	Duane Yardley	73.9 37.7	295.6 150.8	394.2 177.2	5.3 4.7	73.9 39.1	5.3 4.5	443.6 184.7	6.0 4.9	73.9 39.1	6.0 4.7	470,517,51 520	
37	Orie Mumford (Millford Farms)	71.4 84.9	625.2	71.4	1.1	177.7	2.5	347.8	2.2	77.4	4.5	548,1934 1935,2440	
		60.0 10.0 81.2	604.8	?	?	79.0	?	328.4	2.1	153.9	2.1	550,1932 551,1933 16?	
	T Bone-Eyre Marshall Marshall & Pearson	257.7 171.5 257.6	4418.0	3595.3	3.3	881.5	4.1	4433.0	4.0	868.6	5.1	161 1611 1612	
38	Gillins & Wood Marshall	160.0 257.7	156.0	215.7	5.5	39.0	5.5	323.7	8.3	39.0	8.3	1633 1607	
39	Wm. Powell Gillins & Meyers	39.0 28.0	112.0	88.9	3.1	19.7	4.5	75.6	2.7	19.7	3.8	504 495,1967	

Water Usage Cropped Land to Decreed Land  
1968 and 1970

S.E. Acct. No.	Water User	Decreed Water Right			1968			1970			W.U. Claims	
		Acres	Ac.-ft.	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres		Ac.-ft. Per Acre on Cropped Land
41	H. Naruse	78.5	314.0	383.8	4.9	75.5	5.1	445.8	5.7	78.5	5.7	57,221
		39.0	156.0	173.3	4.4	33.8	5.1	238.3	6.1	33.8	7.1	567,1578
		57.8	231.2	224.8	3.9	57.6	3.9	212.4	3.7	57.6	3.7	2115,569
42	Leon Paice	41.0 135.4 20.0	785.6	806.3	4.1	193.0	4.2	777.5	4.0	194.4	4.0	568 84 471,472,473 508
44	Milton Pool	37.4	149.6	30.8	0.8	8.2	3.8	--	--	--	--	456
45	Max Price	62.5	250.0	141.9	2.3	69.7	2.0	239.4	3.8	50.7	4.7	512
46	Orin Puffer	39.0 76.3	461.2	639.3	5.5	115.6	5.5	812.0	7.0	115.6	7.0	42 522,523
47	Ted Rimpau (Lyle Applegate)	143.3 60.5	573.2	416.8	2.9	144.0	2.9	447.6	3.1	146.6	3.1	98,285,286
			--	216.9	--	?	--	300.2	--	?	--	540,541
48	James McBride	76.1	304.4	257.7	3.4	75.0	3.4	303.0	4.0	75.0	4.0	55,3
49	Leo Rowley	58.4	233.6	--	--	--	--	--	--	--	--	46
50	Ross Thurston	37.3	149.2	125.5	3.4	37.3	3.4	154.6	4.1	28.3	5.5	503
		37.2	148.8	41.5	1.2	10.0	4.2	--	--	--	--	148
52	Jim Sherwood	49.8	199.2	195.4	3.9	52.1	3.8	182.4	3.7	25.4	7.2	281,1853

Water Usage Cropped Land to Decreed Land  
1968 and 1970

.E. cct. o.	Water User	Decreed Water Right			1968			1970			W.U. Claims	
		Acres	Ac.-ft.	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres		Ac.-ft. Per Acre on Cropped Land
53	Don Sly	53.9	215.6	239.7	4.4	68.1	3.5	303.6	5.6	68.7	4.4	62
54	Doyle Sly	74.8	299.2	239.8	3.2	34.2	7.0	310.2	4.1	83.8	3.7	66
55	George Smith	77.8	311.2	239.5	3.1	98.2	2.4	308.4	4.0	97.9	3.2	1,1851
56	George Smith (Kent Smith)	34.6	152.2	161.1	4.7	22.6	7.1	152.1	4.4	22.6	6.7	102, 77
57	William Stewart	38.9	155.6	86.0	2.2	24.4	3.5	135.2	3.5	24.4	5.5	67
58	Kenley Taylor	48.5	194.0	231.9	4.8	48.5	4.8	246.9	5.1	48.5	5.1	101
59	William Stewart	46.3 41.6	351.6	411.5	4.7	58.2 39.4	4.2	219.8 220.4	4.7 5.3	50.0 39.4	4.4 5.6	490,491,2114 149,479, 552,2976 1253,2003, 2900
60	Kenley Taylor	67.7	270.8	211.5	3.1	52.4	3.1	108.0	1.6	43.6	2.5	1667,1779
61	Leland Sullivan (D.E. Kirk)	200.0		465.5		50.0		22.8		?		
62	Ralph Pearson	106.9	470.4	467.5	4.4	107.1	4.4	461.8	4.3	107.1	4.3	544, 1,562
63	Hugh Davies (H.L. Tolley)	68.1	272.4	252.5	3.7	68.1	3.7	280.8	4.1	68.1	4.1	106,1500
64	Dean Carter	240.0	960.0	822.5	3.4	209.1	3.8	1091.7	4.5	180.2	6.1	1616
65	J.H. Valine (Province of the Holy Name)	37.2	148.8	130.1	3.5	37.5	3.5	110.1	3.0	37.5	2.9	918
66		160.0	640.0	191.1	1.2	86.4	2.2	267.9	1.7	64.0	4.2	1646

Water Usage Cropped Land to Deeded Land  
1968 and 1970

E. ct.	Water User	1968			1970			W.U. Claims			
		Decreed Acres	Water Used Ac.-ft.	Ac.-ft. Per Acre of Deeded Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.		Ac.-ft. Per Acre of Deeded Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land
(62)	James Moody (Vernon Gronning)	40.0 35.0	243.3	3.2	76.2	3.2	78.7	1.1	21.8	3.6	1807 1408, 1919
(64)	Theman Walker	32.4	133.9	4.1	36.8	3.6	171.9	5.3	36.8	4.8	94
(71)	Elbert Applegate	73.7	380.7	5.2	50.6	7.5	394.1	5.3	45.4	8.9	63, 64
(72)	McCoy Williams	35.5	255.6	7.2	27.6	9.3	296.5	8.4	38.6	7.7	507
(73)	Wayne Wiseman	182.9	988.0	5.4	215.6	4.6	1010.0	5.5	217.7	4.6	49, 50, 52, 53
(74)	Stanley C. Roberts	27.0 364.5	1614.0	4.1	340.8	4.7	1845.0	4.7	388.5	4.7	1080 1166, 1287, 1288, 1887, 2004, 2005, 2006, 2007
(75)	Waldo Yardley	37.4	114.4	3.0	37.4	3.0	171.8	4.6	37.4	4.6	515
(76)	Frank Brinkman	93.0 40.0 73.3	690.8	3.3	224.9	3.1	1203.4	5.8	237.9	5.1	537, 1518 97 300, 301, 18
(77)	Foch Parkinson	80.0	322.4	4.0	87.4	3.7	389.1	4.9	106.4	3.7	1631
(78)	Leland Sullivan	219.2	493.8	2.3	153.2	3.2	544.2	2.5	107.7	5.1	1647
(79)	Jack Crow	760.0	2114.0	2.8	--	--	2459.3	3.2	--	--	922, 923, 924, 925, 1441
(80)	Jack Crow	157.9	362.8	2.3	217.0	1.7	362.8	2.3	217.0	1.7	1668, 1766

Water Usage Cropped Land to Decreed Land  
1968 and 1970

S.E. Acct. No.	Water User	1968				1970				W.U. Claims	
		Decreed Acres	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres	Ac.-ft. Per Acre on Cropped Land	Water Used Ac.-ft.	Ac.-ft. Per Acre of Decreed Right	Cropped Land Acres		Ac.-ft. Per Acre on Cropped Land
84	Ted Price	39.0	0	---	--	--	0	--	--	--	531

Table V

Farm Listing - Milford System  
April 13, 1971

<u>Account No.</u>	<u>Water User</u>	<u>Acreage</u>
32	James Mayer	25
39	Gillins and Meyers	28
8	Cook Brothers (Beehive State Bank)	30
2	Lyle Applegate	31
69	Theman Walker	32
55	George Smith	35
23	Nelson Stott	36
71	Elbert Applegate	36
28	Waldo Yardley (John Lofthouse)	37
44	Milton Pool	37
50	Ross Thurston (Claim 503)	37
50	Ross Thurston (Claim 148)	37
67	J.H. Valine (Province of the Holy Name)	37
74	Stanley C. Roberts	37
36	Duane Yardley	38
38	William Powell	39
41	H. Naruse	39
55	George Smith	39
84	Ted Price	39
8	Cook Brothers (Beehive State Bank)	40
6	Gail Van Tassel	40
5	Terral Bown	44
56	George Smith (Kent Smith)	49

<u>Account No.</u>	<u>Water User</u>	<u>Acreage</u>
52	Jim Sherwood	50
53	Don Sly	54
11	Ted Price	56
21	James Mayer	56
41	H. Naruse	58
49	Leo Rowley	59
47	Ted Rimpau (Lyle Applegate)	61
45	Max Price	63
1	Joe Yardley	65
25	H. Naruse	67
62	Kenley Taylor	68
65	Hugh Davies (H.L. Tolley)	68
22	Joe Kessler (otto Kessler)	70
24	L.D.S. Church	70
36	Duane Yardley	74
71	Elbert Applegate	74
13	Ted Price (L. Gillins)	75
53	Don Sly	75
68	James Moody (Vernon Gronning)	75
48	James McBride	76
12	James Mayer	77
32	James Mayer	78
54	Doyle Sly	78
41	H. Naruse	79
77	Foch Parkinson	80

<u>Account No.</u>	<u>Water User</u>	<u>Acreage</u>
60	William Stewart	88
30	Mayer Brothers	89
8	Cook Brothers (Beehive State Bank)	95
64	Ralph Pearson	107
26	Wm. Dalton (Norman Abbott)	108
29	James E. Price	112
16	Fred Harris	114
46	Orin Puffer	115
4	Wayne Wiseman (Lyle Wiseman)	131
47	Ted Rimpau (Lyle Applegate)	143
3	Wm. Dalton (Jeff Baldwin)	150
37	Orie Mumford (Milford Farms)	151
32	James Mayer	152
20	Jerry Mayer	153
19	Wm. Dalton (E.F. Jeppson)	154
37	Orie Mumford (Milford Farms)	156
83	Jack Crow	158
10	Roy Moody (Rosemary Davies)	160
67	J.H. Valine (Province of the Holy Name)	160
6	Gail Van Tassel	165
14	Roy Moody (E.N. Davies)	172
72	McCoy Williams	183
42	Leon Paice	196
63	Leland Sullivan (D.E. Kirk)	200

<u>Account No.</u>	<u>Water User</u>	<u>Acreage</u>
34	James Mayer (Leo Mayer)	205
76	Waldo Yardley	206
78	Frank Brinkman	219
15	Green Diamond (Munari & Kinoshita)	234
66	Dean Carter	240
31	Jimmy Mayer	245
7	Mayer Bros.	280
30	Mayer Brothers	291
73	Wayne Wiseman	292
30	Mayer Brothers	326
6	Gail Van Tassel	428
9	Jack Crow	547
18	Ross Marshall (R.A. Hildebrand)	621
35	Russel Mayer	737
79	Leland Sullivan	760
15	Green Diamond (Munari & Kinoshita)	857
37	T Bone-Eyre, Marshall, Marshall & Pearson, Gillins & Wood, and Marshall (Orie Mumford)	1105