Report No. 1

Analysis of Existing Surface and Underground Water Rights and Applications for Permits within the Virgin River Drainage Area of Nevada

Barbara Ertsminger 702-259-8218

1992

Prepared by:

State of Nevada

Department of Conservation and Natural Resources

Division of Water Resources

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FOREWORD

The purpose of Report No. 1 is to satisfy a commitment on behalf of the State of Nevada to the States of Arizona and Utah in accordance with a Memorandum of Understanding, dated May of 1992.

This report is the first in a series of three and outlines the total appropriated water rights in the Virgin River Basin in Nevada. This information is based on records of the Nevada State Engineer as of November, 1992.

NEVADA REPORT NO. 1 ON VIRGIN RIVER USES, INCLUDING BEAVER DAM WASH IN NEVADA

The State of Nevada presents this Report No. 1 on Virgin River and Beaver Dam Wash water uses in Nevada pursuant to the terms of the Virgin River Memorandum of Understanding (M.O.U.) between the States of Arizona, Nevada and Utah. Report No. 1 covers past and present uses and pending applications for use of Virgin River surface water, Beaver Dam Wash surface flows and Virgin River underground basin water as revealed from the records of the Water Resources Division of the Nevada Department of Conservation and Natural Resources and the records of the Eighth Judicial District Court of the State of Nevada in and for Clark County, Nevada.

Figure No. 1 is a map showing the Virgin River in Nevada and adjacent Arizona, including the communities of Mesquite, Bunkerville and Riverside.

Uses of surface water in Nevada prior to the water law of 1905 are considered vested rights, the quantification of which can only be judicially determined by a Nevada District Court in an adjudication proceeding. The Virgin River surface uses prior to 1905 have been adjudicated by the Virgin River Decree pursuant to Proof No. 02038 filed by the Bunkerville Irrigation Company, and Proof No. 01968 filed by the Mesquite Irrigation Company. The Virgin River Decree was entered by the Tenth (now Eighth) Judicial District Court on May 14, 1927.

The Decree adjudicated water rights to Virgin River surface flow for irrigation of 1963.08 acres for a total of 17,785.50 acre feet per year (AFY). The summer duty equals 1.0 cubic feet per second (c.f.s.) of flow for each 70 acres and the winter duty equals 1.0 c.f.s. of flow for each 100 acres for a total duty of 9.06 AFY per acre. The summer period is the months of March through September and the winter period is the months of October through February.

A tabulation of the water rights and uses set forth in the Virgin River Decree is attached as Table 1.

After the water law was enacted in 1905 a water right to surface waters could only be perfected under Nevada law by obtaining a permit from the State Engineer and then by putting the water to beneficial use at which time a certificate is issued. The permitting process is initiated by filing an application with the State Engineer, which is pending until a permit is issued.

Certificates for Virgin River surface water placed to beneficial use for irrigation subsequent to 1905 aggregate 5518.39 AFY. In addition, there are three applications to appropriate surface water pending action by the State Engineer: one for M & I use with a diversion rate of 500 c.f.s., limited to the yield of the Virgin River, one for industrial use (power production) for 30,000 AFY and one for irrigation for 1114.8 AFY.

Table 2 details the surface flow certificates and applications.

Subsequent to the water law of 1913 (1939 as to percolating waters) a right to ground water could be only obtained by following the permitting process with the obtaining of a certificate on placing the water to beneficial use.

Table 3 lists the ground water permits and certificates and pending applications for ground water in the Virgin River basin within Nevada.

There are three existing certificates for use in Nevada of surface water from the Beaver Dam Wash. One is for irrigation for 186 AFY, one is for stockwater for 4.36 AFY and one is for recreational use in connection with Schroeder Lake for 272 AFY. These total 462.36 AFY. In addition, there are claims of vested rights for irrigation of 42 acres. The amount of water has not been adjudicated. There are three pending applications by the Mesquite Farmstead Association for M & I use, totaling 1000 c.f.s. of flow on a year round basis. The point of diversion for two of these applications is the State of Utah. The Beaver Dam Wash uses and applications are set forth on Table 4.

For informational purposes, Virgin River surface uses for irrigation in Arizona adjacent to Mesquite, are set forth in Table 5. These uses are revealed from maps filed in connection with Permit Nos. 7624 and 15619 and aggregate 1465 AFY. These uses are not included in the Virgin River Decree nor in any of the certificates which have been issued by the Nevada State Engineer.

Copies of maps showing the Bunkerville Irrigation Company and Mesquite Irrigation Company irrigated lands are included as Figures 2 and 3 respectively. These maps are historic maps and may not show all irrigated areas under all filings.

A future study, Report No. 2 will detail Nevada's projected needs of water from the Virgin River source, both in the Mesquite area as well as in the Las Vegas Valley and the possible methods proposed to utilize such water.

Several studies have been conducted, or are ongoing, which bear upon the interaction between Virgin River surface flows and the ground water system of the Virgin River Basin of Nevada. Nevada recognizes that there may be interaction between the river and the ground water system. This likelihood will be the subject of Report No. 3.

Documentation furnishing the basis of the information contained in this report will be available to representatives of Arizona and Utah on request at a time and place mutually agreed on.

Submitted this 17th day of November, 1992.

Nevada Department of Conservation and Natural Resources, Division of Water Resources, Office of the State Engineer.

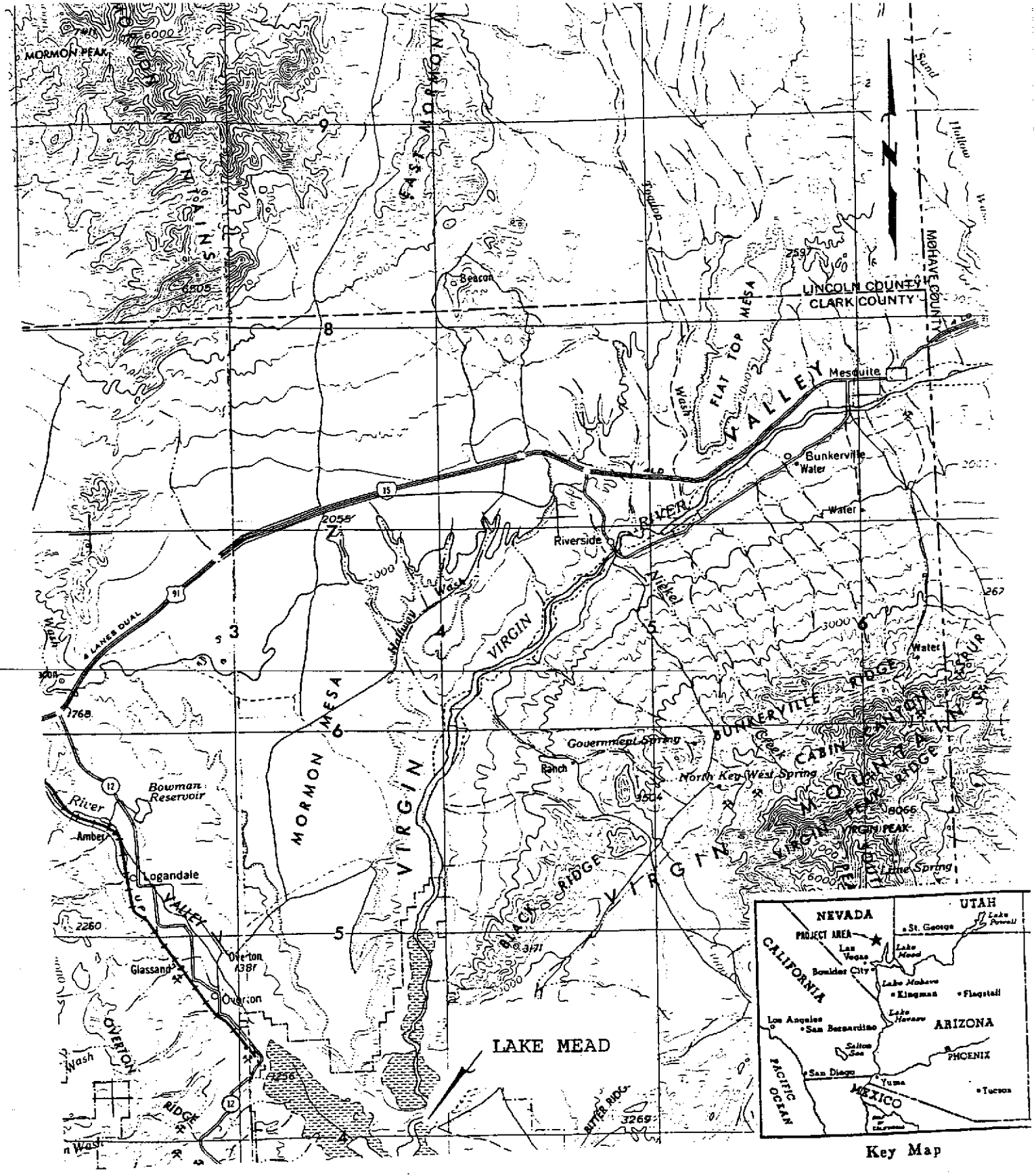

Figure 1
Virgin River Location Map
Scale: 1" = Approximately 4 Miles

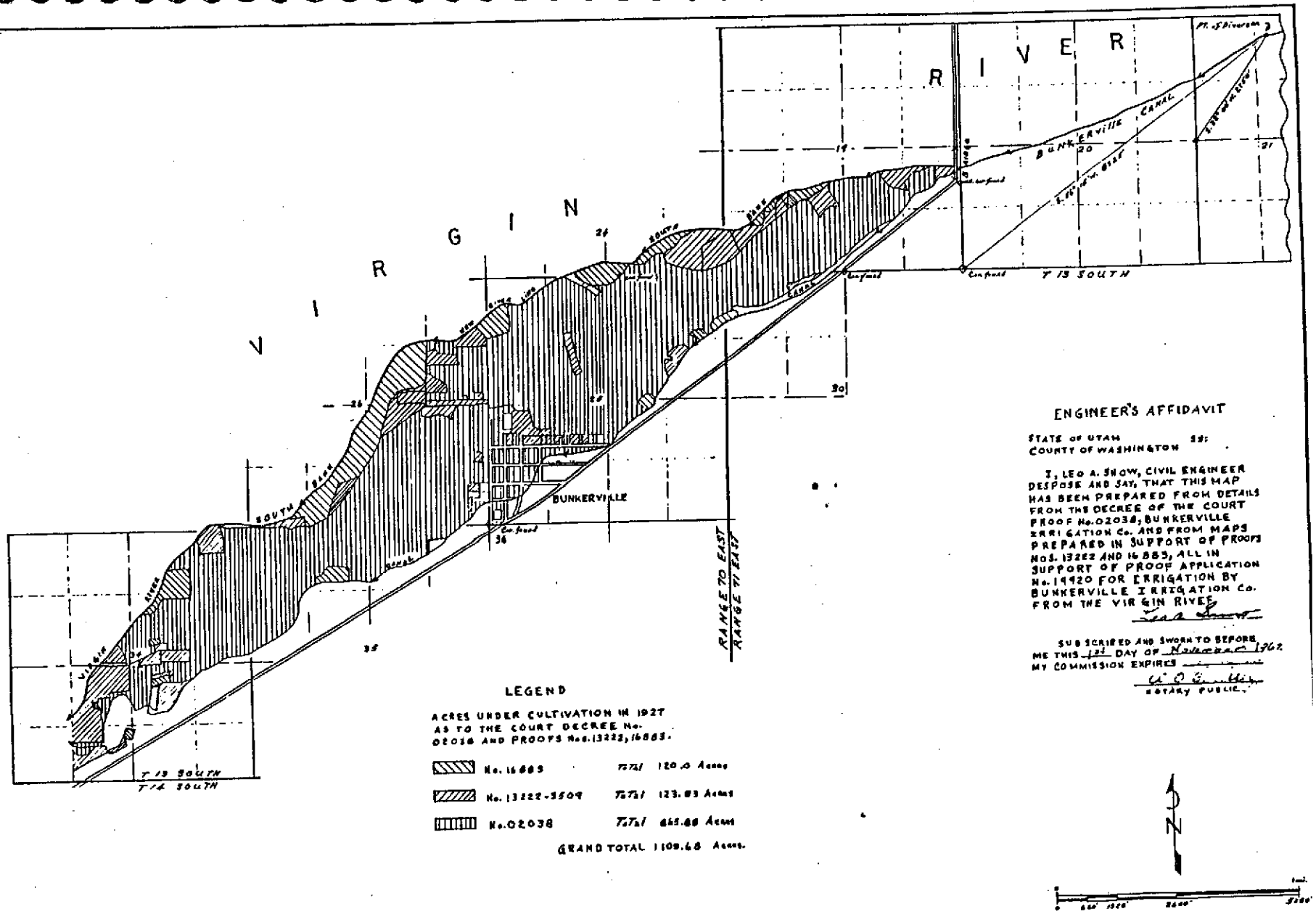
VIRGIN RIVER
BUNKERVILLE CANAL
BUNKERVILLE
T 13 SOUTH
T 14 SOUTH
RANGE 70 EAST
RANGE 71 EAST
LEGEND
ACRES UNDER CULTIVATION IN 1927
AS TO THE COURT DECREE No.
02038 AND PROOFS No.s. 13222, 16883.
No. 16883 120.0 Acres
No. 13222-3509 123.83 Acres
No. 02038 865.88 Acres
GRAND TOTAL 1109.68 Acres.
ENGINEER'S AFFIDAVIT
STATE OF UTAH
COUNTY OF WASHINGTON
I, LEO A. SNOW, CIVIL ENGINEER DESPOSE AND SAY, THAT THIS MAP HAS BEEN PREPARED FROM DETAILS FROM THE DECREE OF THE COURT PROOF No. 02038, BUNKERVILLE IRRIGATION Co. AND FROM MAPS PREPARED IN SUPPORT OF PROOFS NOS. 13222 AND 16883, ALL IN SUPPORT OF PROOF APPLICATION No. 19920 FOR IRRIGATION BY BUNKERVILLE IRRIGATION Co. FROM THE VIRGIN RIVER
SUBSCRIBED AND SWORN TO BEFORE ME THIS 1st DAY OF November 1962
MY COMMISSION EXPIRES
NOTARY PUBLIC.
N
MAP
TO ACCOMPANY PROOF
OF
BENEFICIAL USE UNDER
APPLICATION No. 19920 FOR
IRRIGATION
BY BUNKERVILLE IRRIGATION
Co. FROM VIRGIN RIVER.

Figure 2

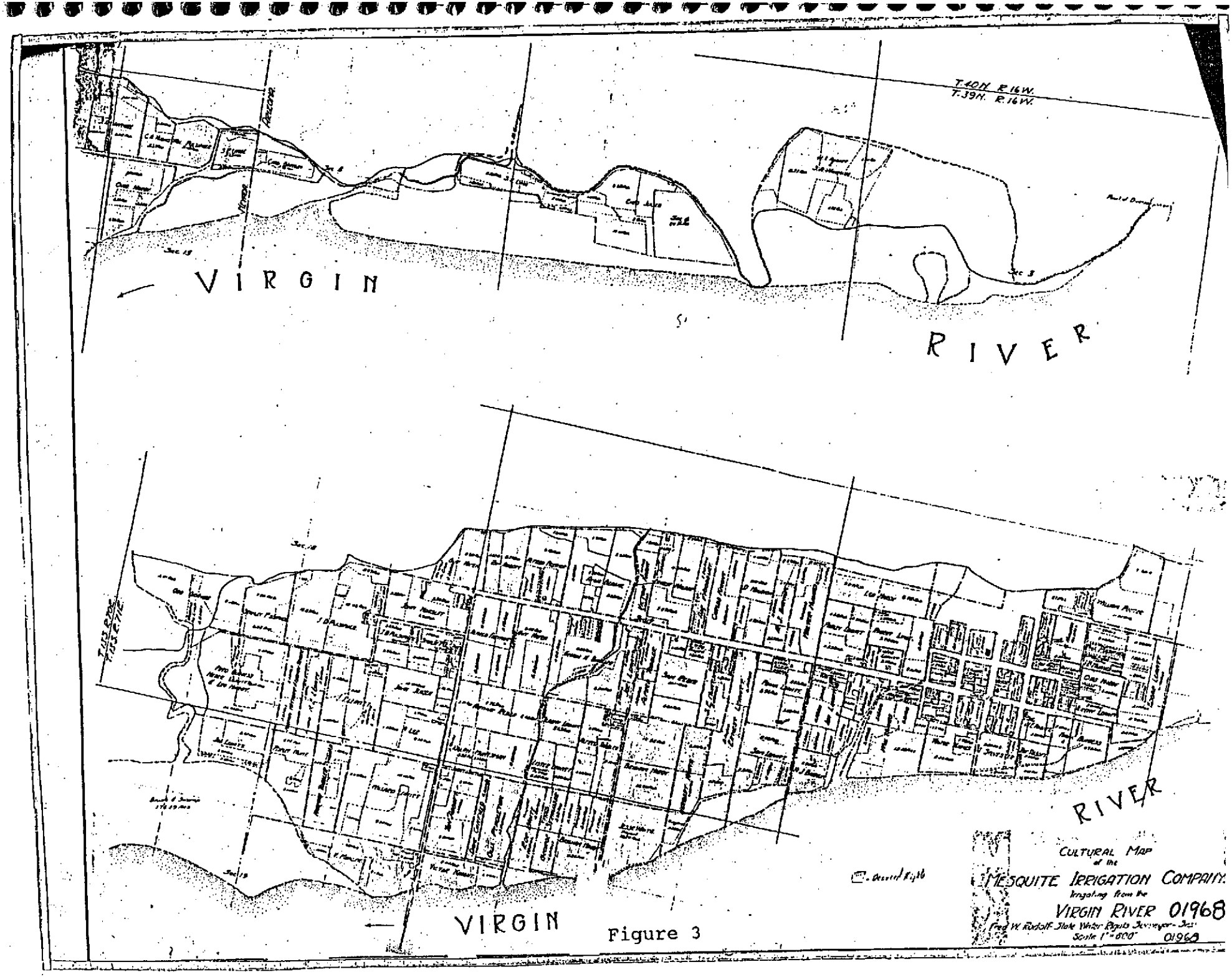
T.40N. R.16W.
T.39N. R.16W.
VIRGIN
RIVER
VIRGIN
RIVER
CULTURAL MAP
of the
MESQUITE IRRIGATION COMPANY
Irrigating from the
VIRGIN RIVER 01968
Fred W. Rudolf State Water Rights Surveyor - Asst.
Scale 1" = 800'
01969

Figure 3

VIRGIN RIVER DECREE
Tenth (now Eighth) Judicial District Court of Nevada
in and for Clark County
May 14, 1927

Summary

Bunkerville Irrigation Co.	(Proof No. 02038)	8,115.94 AFY
Mesquite Irrigation Co.	(Proof No. 01968)	9,669.56 AFY
TOTAL		17,785.50 AFY

Table 1

VIRGIN RIVER DECREE
Bunkerville Irrigation Co.
Proof No. 02038

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
1. James S. Abbott	2.69	13, 70	8.07	16.30
	6.47	13, 70	19.41	39.21
	7.19	13, 70	21.57	43.57
	0.24(T.L.)*	13, 70	0.72	1.45
	16.59		49.77	100.53
2. Conrad Adams	0.31(T.L.)	13, 70	0.93	1.88
	0.31		0.93	1.88
3. Harley Adams	9.90	13, 70	29.70	59.99
	5.80	13, 70	17.40	35.15
	7.66	13, 70	22.98	46.42
	5.14	13, 70	15.42	31.15
	1.08	13, 70	3.42	6.54
	0.61(T.L.)	13, 70	1.83	3.70
	30.19		90.57	182.95
4. Milo Adams	5.50	13, 70	16.50	33.33
	2.13	13, 70	6.39	12.91
	19.06	13, 70	57.18	115.50
	5.64	13, 70	16.92	34.18
	0.51(T.L.)	13, 70	1.53	3.09
	32.84		98.52	199.01

*T.L. Stands for Town Lot

Table 1(a)

Name	Acres	Townsp, Rge (S.,E)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
5. Thomas Adams	12.19	13, 70	36.57	73.87
	2.30	13, 70	6.90	13.94
	12.73	13, 70	38.19	77.14
	0.41	13, 70	1.23	2.48
	11.21	13, 70	33.63	67.93
	0.77(T.L.)	13, 70	2.31	4.67
	39.61		118.83	240.03
6. M.E. Bowman	5.07	13, 70	15.21	30.72
	0.11	13, 70	0.33	0.67
	0.27(T.L.)	13, 70	0.81	1.64
	0.20(T.L.)	13, 70	0.60	1.21
	5.65		16.95	34.24
7. W.C. Bowman	6.41	13, 70 &71	19.23	38.84
	6.03	13, 70	18.09	36.54
	0.61	13, 70	1.83	3.70
	0.53	13, 70	1.59	3.21
	1.04	13, 70	3.12	6.30
	14.62		43.86	88.59
8. Hector Bunker	0.62(T.L.)	13, 70	1.86	3.75
	0.62		1.86	3.75
9. Hugh Bunker	0.86	13, 70	2.58	5.21
	3.36	13, 70	10.08	20.36
	5.86	13, 70	17.58	35.51
	8.08	13, 70	24.24	48.96
	9.06	13, 70	27.18	54.90
	0.24(T.L.)	13, 70	0.72	1.45
	27.46		82.38	166.39

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
10. Anne E. Cox	0.92(T.L.)	13, 70	2.76	5.58
	0.92		2.76	5.58
11. Ed I. Cox	10.72	13, 70	32.16	64.96
	0.88(T.L.)	13, 70	2.64	5.33
	4.41	13, 70	13.23	26.72
	0.91	13, 70	2.73	5.51
	10.91	13, 70	32.73	66.11
	15.84	13, 70	47.52	95.99
	14.05	13, 71	42.15	85.14
	0.43(T.L.)	13, 70	1.29	2.61
	58.15		174.45	352.37
12. Mary E. Hafen	12.05	13, 71	36.15	73.02
	0.86(T.L.)	13, 70	2.58	5.21
	0.33	13, 70	0.99	2.00
	0.31	13, 70	0.93	1.88
	13.55		40.65	82.11
13. Heber Hardy	1.06	13, 70	3.18	6.42
	5.07	13, 70	15.21	30.72
	8.00	13, 70	24.00	48.48
	17.21	13, 70	51.63	104.29
	1.23	13, 71	3.69	7.45
	15.25	13, 71	45.75	92.42
	2.59	13, 71	7.77	15.70
	1.90(T.L.)	13, 70	5.70	11.51
	52.31		156.93	316.99

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
14. Joe Hardy	4.71	13, 70	14.13	28.54
	7.52	13, 70 & 71	22.56	45.57
	0.88(T.L.)	13, 70	2.64	5.33
	13.11		39.33	79.44
15. Warren Hardy	15.28	13, 70	45.84	92.60
	15.28		45.84	92.60
16. George Hunt	5.42	13, 70	16.26	32.85
	7.88	13, 70	23.64	47.75
	0.88(T.L.)	13, 70	2.64	5.33
	0.57(T.L.)	13, 70	1.71	3.45
	14.75		44.25	89.38
17. Nephi Hunt	0.69	13, 70	2.07	4.18
	1.14	13, 70	3.42	6.91
	1.83		5.49	11.09
18. Parley Hunt	0.22	13, 70	0.66	1.33
	3.12	13, 70	9.36	18.91
	10.35	13, 70	31.05	62.72
	3.84	13, 70	11.52	23.27
	17.53		52.59	106.23
19. Albert Leavitt	23.98	13, 71	71.94	145.32
	13.85	13, 70	41.55	83.93
	0.41	13, 70	1.23	2.48
	0.15(T.L.)	13, 70	0.45	0.91
	0.68(T.L.)	13, 70	2.04	4.12
	0.81(T.L.)	13, 70	2.43	4.91
	39.88		119.64	241.67

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
20. Alma Leavitt	1.05(T.L.)	13, 70	3.15	6.36
	1.05		3.15	6.36
21. Lena Leavitt	2.19	13, 70	6.57	13.27
	5.37	13, 70	16.11	32.54
	14.59		43.77	88.42
	22.15		66.45	134.23
22. Dudley Leavitt	7.58	13, 70	22.74	45.93
	7.58		22.74	45.93
23. D.H. Leavitt	0.37	13, 70	1.11	2.24
	9.43	13, 70	28.29	57.15
	0.59	13, 70	1.77	3.58
	2.64	13, 70	7.92	16.00
	11.07	13, 71	33.21	67.08
	4.45	13, 71	13.35	26.97
	1.07(T.L.)		3.21	6.48
	29.62		88.86	179.50
24. Elmer Leavitt	8.21	13, 70	24.36	49.75
	7.37	13, 70	22.11	44.66
	0.41(T.L.)	13, 70	1.23	2.48
	15.99		47.97	96.89

Name	Acres	Twnsp, Rge (S., E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
25. John Leavitt	2.66	13, 70	7.98	16.12
	3.99	13, 70	11.97	24.18
	6.75	13, 71	20.25	40.91
	0.42(T.L.)	13, 70	1.26	2.55
	0.16(T.L.)	13, 70	0.48	0.97
	0.11(T.L.)	13, 70	0.33	0.67
	0.48(T.L.)	13, 70	1.44	2.91
	14.57		43.71	88.31
26. Lawrence Leavitt	0.52(T.L.)	13, 70	1.56	3.15
	0.52		1.56	3.15
27. Lemuel Leavitt	20.48	13, 71	61.44	124.11
	0.43	13, 70	1.29	2.61
	0.20	13, 70	0.60	1.21
	6.21	13, 70	18.63	37.63
	7.15	13, 70	21.45	43.33
	0.61	13, 70	1.83	3.70
	35.08		105.24	212.59
28. Mary E. Leavitt	0.69(T.L.)	13, 70	2.07	4.18
	0.69		2.07	4.18
29. Myron Leavitt	0.55(T.L.)	13, 70	1.65	3.33
	0.55		1.65	3.33
30. Thirza Leavitt	0.71(T.L.)	13, 70	2.13	4.30
	0.71		2.13	4.30

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
31. Thomas Leavitt, Jr.	7.45	13, 70	22.35	45.15
	23.98	13, 70	71.94	145.32
	23.98	13, 70	71.94	145.32
	6.89	13, 70	20.67	41.75
	0.63(T.L.)	13, 70	1.89	3.82
	62.93		188.79	381.36
32. Thomas Leavitt, Sr.	5.93	13, 71	17.79	35.94
	8.52	13, 70	25.56	51.63
	26.06	13, 70	78.18	157.92
	3.90	13, 70	11.70	23.63
	0.87(T.L.)	13, 70	2.61	5.27
	45.28		135.84	274.39
33. Will Leavitt	10.38	13, 70	31.14	62.90
	0.99(T.L.)	13, 70	2.97	6.00
	11.37		34.11	68.90
34. Randall Lunt	0.57	13, 70	1.71	3.45
	2.48	13, 70	7.44	15.03
	1.08	13, 70	3.24	6.54
	4.13		12.39	25.02
35. Roy Neagle	0.77(T.L.)	13, 70	2.31	4.67
	0.34(T.L.)	13, 70	1.02	2.06
	1.11		3.33	6.73
36. Ruth Nealge	4.92	13, 70	14.76	29.82
	8.95	13, 70	26.85	54.24
	0.14(T.L.)	13, 70	0.42	0.85
	0.16(T.L.)	13, 70	0.48	0.97
	14.17		42.51	85.88

Name	Acres	Twnsp, Rge (S.,E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Seasonal Duty Acre Feet Totals: Summer Duty
37. Andrew Pulsipher	9.39	13, 70	28.17	56.90
	0.31(T.L.)	13, 70	0.93	1.88
	0.82(T.L.)	13, 70	2.46	4.97
	10.52		31.56	63.75
38. Harmon Tobbler	0.30	13, 70	0.90	1.82
	5.35	13, 70	16.05	32.42
	2.41	13, 70	7.23	14.60
	2.10	13, 70	6.30	12.73
	0.97(T.L.)	13, 70	2.91	5.88
	0.20(T.L.)	13, 70	0.60	1.21
	11.33		33.99	68.66
39. Valley Supply Co.	0.10(T.L.)	13, 70	0.30	0.61
	0.10		0.30	0.61
40. Herbert Waite	19.70	13, 71	59.10	119.38
	1.26	13, 70	3.78	7.64
	20.96		62.88	127.02
41. Jesse Waite	4.46	13, 70	13.38	27.03
	5.43	13, 70	16.29	32.91
	0.83	13, 70	2.49	5.03
	10.72		32.16	64.97
42. Roy Waite	5.73	13, 70	17.19	34.72
	2.62	13, 70	7.86	15.88
	0.38(T.L.)	13, 70	1.14	2.30
	0.56(T.L.)	13, 70	1.68	3.39
	9.29		27.87	56.29

Name	Acres	Twnsp, Rge (S., E.)	Seasonal Duty Acre Feet Totals: Winter Duty	Summer Duty
43. Albert Wittwer	9.51	13, 70	28.53	57.63
	3.71	13, 70	11.13	22.48
	0.68	13, 70	2.04	4.12
	0.24	13, 70	0.72	1.45
	1.55	13, 70	4.65	9.39
	68.87	13, 70	206.61	417.35
	84.56		253.68	512.42
44. Harmon Wittwer	18.23	13, 70	54.69	110.47
	8.20	13, 70	24.60	49.69
	0.82	13, 70	2.46	4.97
	2.32	13, 70	6.96	14.06
	8.58	13, 70	25.74	51.99
	13.01	13, 70	39.03	78.84
	3.47	13, 70	10.41	21.03
	54.63		163.89	331.05
45. Samuel Wittwer	0.23(T.L.)	13, 70	0.69	1.39
	0.28(T.L.)	13, 70	0.84	1.70
	0.51		1.53	3.09
46. Will Wittwer	17.62	13, 70	52.86	106.78
	12.57	13, 70	37.71	76.17
	0.29(T.L.)	13, 70	0.87	1.76
	30.48		91.44	184.71
TOTALS:	895.80		2,687.40	5,428.54
COMBINED AFY TOTAL			8,115.94	

VIRGIN RIVER DECREE
Mesquite Irrigation Co.
Proof No. 01968

Name	Acres	Twnsp, Rge (S.E.)	Seasonal Duty Acre Feet Totals Winter Duty	Summer Duty
1. Dave Abbott	0.90	13,71	2.70	5.45
	0.84	13,71	2.52	5.09
	1.74		5.22	10.54
2. Ray Abbott	8.27	13,71	24.81	50.12
	4.82	13,71	14.46	29.21
	0.12	13,71	0.36	0.73
	0.35	13,71	1.05	2.12
	0.43	13,71	1.29	2.61
	2.80	13,71	8.40	16.97
	0.44	13,71	1.32	2.67
	17.23		51.69	104.43
3. Tom Abbott	6.00	13,71	18.00	36.36
	1.10	13,71	3.30	6.67
	11.22	13,71	33.66	67.99
	18.32		54.96	111.02
4. W.E. Abbott	3.80	13,71	11.40	23.03
	0.33	13,71	10.99	2.00
	4.13		12.39	25.03

Table 1(b)

(Mesquite Irrigation Co.)
Page 2

Name	Acres	Twnsp, Rge (S.E.)	Winter Duty	Summer Duty
5. Joe Anderson	0.27	13,71	0.81	1.64
	1.74	13,71	5.22	10.54
	2.01		6.03	12.18
6. A.J. Barnum	3.85	13,71	11.55	23.33
	2.67	13,71	8.01	16.18
	1.73	13,71	5.19	10.48
	1.57	13,71	4.71	9.51
	6.91	13,71	20.73	41.87
	16.73		50.19	101.37
7. J.A. Barnum	0.39	13,71	1.17	2.36
	0.39		1.17	2.36
8. John H. Barnum	0.89	13,71	2.67	5.39
	0.89		2.67	5.39
9. Robert Barnum	0.60	13,71	1.80	3.64
	0.60		1.80	3.64
10. Amos Berghe	7.52	13,71	22.56	45.57
	1.47	13,71	4.41	8.91
	8.03	13,71	24.09	48.66
	17.02		51.06	103.14

Name	Acres	Twnsp, Rge (S.E.)	Winter Duty	Summer Duty
11. Geo. H. Bouller	10.56	13,71	31.68	63.99
	8.82	13,71	26.46	53.45
	2.19	13,71	6.57	13.27
	1.03	13,71	3.09	6.24
	22.60		67.80	136.95
12. Frank Burgess	2.80	13,71	8.40	16.97
	1.38	13,71	4.14	8.36
	0.35	13,71	1.05	2.12
	1.37	13,71	4.11	8.30
	5.90		17.70	35.75
13. Fred Burgess	7.49	13,71	22.47	45.39
Heber Leavitt	8.13	13,71	24.39	49.27
Leo Hardy	2.33	13,71	6.99	14.12
	17.95		53.85	108.78
14. Dave Canfield	4.00	13,71	12.00	24.24
	4.00		12.00	24.24
15. Alfred Frehner	9.19	13,71	27.57	55.69
	2.18	13,71	6.54	13.21
	0.76	13,71	2.28	4.61
	3.06	13,71	9.18	18.54
	6.65	13,71	19.95	40.30
	12.51		37.53	75.81
	34.35		103.05	208.16

Name	Acres	Twnsp, Rge (S.E.)	Winter Duty	Summer Duty
16. George Granger	4.51	13,71	13.53	27.33
	4.51		13.53	27.33
17. Guy Hafen	3.86	13,71	11.58	23.39
	8.28	13,71	24.48	50.18
	8.23	13,71	24.69	49.87
	9.92	13,71	29.76	60.12
	30.29		90.51	183.56
18. Brigham Hardy	12.90	13,71	38.70	78.17
	12.93	13,71	38.79	78.36
	0.55	13,71	1.65	3.33
	1.11	13,71	3.33	6.73
	1.61	13,71	4.83	9.76
	11.98	13,71	35.94	72.60
	4.17	13,71	12.51	25.27
	3.00	13,71	9.00	18.18
	48.25		144.75	292.40
19. Charles Hardy	6.04	13,71	18.12	36.60
	0.72	13,71	2.16	4.36
	8.70	13,71	26.10	52.72
	2.13	13,71	6.39	12.91
	4.12	13,71	12.36	24.97
	0.28	13,71	0.84	1.70
	0.98	13,71	2.94	5.94
	22.97		68.91	139.20
20. Leo Hardy	0.90	13,71	2.70	5.45
	7.97	13,71	23.91	48.30
	8.72	13,71	26.16	52.84
	0.84	13,71	2.52	5.09
	18.43		55.29	111.68

Name	Acres	Twnsp, Rge (S.E.)	Winter Duty	Summer Duty
21. John Horsley	0.62	13,71	1.86	3.76
	7.14	13,71	21.42	43.27
	0.15	13,71	0.45	0.91
	5.20	13,71	15.60	31.51
	13.11		39.33	79.45
22. Dewey Hort	0.36	13,71	1.08	2.18
	1.15	13,71	3.45	6.97
	1.51		4.53	9.15
23. D. Houston	4.70	13,71	14.10	28.48
	9.51	13,71	28.53	57.63
	0.12	13,71	0.36	0.73
	14.33		42.99	86.84
24. C.A. Hughes	0.70	13,71	2.10	4.24
	0.35	13,71	1.05	2.12
	0.37	13,71	1.11	2.24
	2.36	13,71	7.08	14.30
	4.62	13,71	13.86	28.00
	5.39	13,71	16.17	32.66
	2.39	13,71	7.13	14.18
	16.18		48.54	98.04
25. Elmer Hughes	0.81	13,71	2.43	4.91
	0.81		2.43	4.91
26. Jas. E. Hughes	1.65	13,71	4.95	10.00
	0.64	13,71	1.92	3.88
	1.31	13,71	3.93	7.94
	1.56	13,71	4.68	9.45
	5.16		15.48	31.27

Name	Acres	Twnsp, Rge (S.E.)	Winter Duty	Summer Duty
27. Walter Hughes	9.00	13,71	27.00	54.54
	1.96	13,71	5.88	11.88
	2.64	13,71	7.92	16.00
	1.60	13,71	4.80	9.70
	1.92	13,71	5.76	11.64
	8.89	13,71	26.67	53.87
	1.48	13,71	4.44	8.97
	27.49		82.47	166.60
28. Will Hughes	13.45	13,71	40.35	81.51
	2.81	13,71	8.43	17.03
	1.62	13,71	4.86	9.82
	17.88		53.64	108.36
29. Parley Hunt	5.75	13,71	17.25	34.85
	0.97	13,71	2.91	5.88
	6.72		20.16	40.73
30. Ralph Huntsman	3.23	13,71	9.69	19.57
	5.84	13,71	17.52	35.39
	1.69	13,71	5.07	10.24
	10.76		32.28	65.20
31. S.E. Huntsman	1.81	13,71	5.43	10.97
	1.08	13,71	3.24	6.54
	5.40	13,71	16.20	32.72
	0.80	13,71	2.40	4.85
	9.09		27.27	55.08

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
32. John Jensen	15.20	13,71	45.60	92.11
	5.15	13,71	15.45	31.21
	1.73	13,71	5.19	10.48
	0.51	13,71	1.53	3.09
	22.59		67.77	136.89
33. Carlos Knight	9.50	13,71	28.50	57.57
	3.66	13,71	10.98	22.18
	0.53	13,71	1.59	3.21
	0.08	13,71	0.24	0.48
	13.77		41.31	83.44
34. Victor Knight	8.44	13,71	25.32	51.15
	3.03	13,71	9.09	18.36
	11.47		34.41	69.51
35. Edgar Leavitt	10.10	13,71	30.30	61.21
	1.57	13,71	4.71	9.51
	5.47	13,71	16.41	33.15
	3.95	13,71	11.85	23.94
	1.57	13,71	4.71	9.51
	1.46	13,71	4.38	8.85
	24.12		72.36	146.17
36. Ernest Leavitt	4.36	13,71	13.08	26.42
	8.46	13,71	25.38	51.27
	6.41	13,71	19.23	38.84
	19.23		57.69	116.53

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
37. Frank Leavitt	8.96	13,71	26.88	54.30
	5.10	13,71	15.30	30.91
	2.82	13,71	8.46	17.09
	0.73	13,71	2.19	4.42
	0.69	13,71	2.07	4.18
	18.30		54.90	110.90
38. H.E. Leavitt	4.16	13,71	12.48	25.21
	3.51	13,71	10.53	21.27
	7.67		23.01	46.48
39. Hubert Leavitt	0.82	13,71	2.46	4.97
	0.82		2.46	4.97
40. Ira Leavitt	1.28	13,71	3.84	7.76
	2.43	13,71	7.29	14.73
	4.43	13,71	13.29	26.85
	2.01	13,71	6.03	12.18
	8.22	13,71	24.66	49.81
	0.43	13,71	1.29	2.61
	18.80		56.40	113.94
41. Jeremy Leavitt	8.63	13,71	25.89	52.30
	3.01	13,71	9.03	18.24
	0.30	13,71	0.90	1.82
	0.30	13,71	0.90	1.82
	12.24		36.72	74.18
42. J.J. Leavitt	4.42	13,71	13.26	26.79
	0.92	13,71	2.76	5.58
	6.89	13,71	20.67	41.75
	8.13	13,71	24.39	49.27
	20.36		61.08	123.39

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
43. Joe Leavitt	6.24	13,71	18.72	37.81
	7.71	13,71	23.13	46.72
	2.30	13,71	6.90	13.94
	2.45	13,71	7.35	14.85
	0.57	13,71	1.71	3.45
	0.33	13,71	0.99	2.00
	19.60		58.80	118.77
44. Lister Leavitt	2.87	13,71	8.61	17.39
	4.28	13,71	12.84	25.94
	5.40	13,71	16.20	32.72
	12.55		37.65	76.05
45. Parley Leavitt	4.54	13,71	13.62	27.51
	4.53	13,71	13.59	27.45
	0.55	13,71	1.65	3.33
	9.62		28.86	58.29
46. Sam Leavitt	3.84	13,71	11.52	23.27
	1.77	13,71	5.31	10.73
	3.21	13,71	9.63	19.45
	9.09	13,71	27.27	55.09
	0.96	13,71	2.88	5.82
	1.09	13,71	3.27	6.61
	0.65	13,71	1.95	3.94
	20.61		61.83	124.91
47. Willard Levitt	8.41	13,71	25.83	50.96
	0.76	13,71	2.28	4.61
	14.46	13,71	43.38	87.63
	23.63		70.89	143.20

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
48. A. Lee	6.67	13,71	20.01	40.42
	1.77	13,71	5.31	10.73
	0.65	13,71	1.95	3.94
	9.09		27.27	55.09
49. Robert Linge	5.50	13,71	16.50	33.33
	1.38	13,71	4.14	8.36
	6.88		20.64	41.69
50. S.R. Linge	5.65	13,71	16.95	34.24
	5.65		16.95	34.24
51. V. Mokler	13.79	13,71	41.37	83.57
	2.10	13,71	6.30	12.73
	7.19	13,71	21.57	43.57
	1.03	13,71	3.09	6.24
	24.11		72.33	146.11
52. Gus Pendleton	13.50	13,71	40.50	81.81
	13.50		40.50	81.81
53. William Potter	1.13	13,71	3.39	6.85
	3.12	13,71	9.36	18.91
	0.60	13,71	1.80	3.64
	0.45	13,71	1.35	2.73
	7.18	13,71	21.54	43.51
	11.82	13,71	35.46	71.63
	24.30		72.90	147.27

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
54. J.D. Pulsipher	17.11	13,71	51.33	103.69
	15.46	13,71	46.38	93.69
	0.44	13,71	1.32	2.67
	1.20	13,71	3.60	7.27
	1.02	13,71	3.06	6.18
	4.08	13,71	12.24	24.72
	0.39	13,71	1.17	2.36
	39.70		119.10	240.58
55. J.L. Pulsipher	35.35	13,70	106.05	214.22
	1.67	13,70	5.01	10.12
	0.92	13,70	2.76	5.58
	12.98	13, 70 & 71	38.94	78.66
	0.49	13,70	1.47	2.97
	1.17	13,71	3.51	7.09
	52.58		157.74	318.64
56. Stanley Pulsipher	1.97	13,71	5.91	11.94
	0.39	13,71	1.17	2.36
	0.21	13,71	0.63	1.27
	0.53	13,71	1.59	3.21
	7.72	13,71	23.16	46.78
	4.09	13,71	12.27	24.79
	5.14	13,71	15.42	31.15
	6.25	13,71	18.75	37.88
	26.30		78.90	159.38

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
57. William Pulsipher	3.04	13,71	9.12	18.42
	1.39	13,71	4.17	8.42
	1.68	13,71	5.04	10.18
	0.38	13,71	1.14	2.30
	1.67	13,71	5.01	10.12
	9.40	13,71	28.20	56.96
	17.56		52.68	106.40
58. Arthur Reber	5.31	13,71	15.93	32.18
	7.76	13,71	23.28	47.03
	13.07		39.21	79.21
59. Sam Reber	10.11	13,71	30.33	61.27
	1.46	13,71	4.38	8.85
	5.82	13,71	17.46	35.27
	0.91	13,71	2.73	5.51
	1.60	13,71	4.80	9.70
	19.90		59.70	120.60
60. Geo. Strausser	4.64	13,71	13.92	28.12
	3.52	13,71	10.56	21.33
	1.47	13,71	4.41	8.91
	1.57	13,71	4.71	9.51
	11.20		33.60	67.87
61. J. Sylvester	5.00	13,71	15.00	30.30
	1.42	13,71	4.26	8.61
	0.26	13,71	0.78	1.58
	6.68		20.04	40.49

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
62. Alfred Tobler	9.90	13,71	29.70	59.99
	7.87	13,71	23.61	47.69
	1.45	13,71	4.35	8.79
	3.80	13,71	11.40	23.03
	3.89	13,71	11.67	23.57
	26.91		80.73	163.07
63. Harmon Tobbler	4.55	13,71	13.65	27.57
	1.71	13,71	5.13	10.36
	2.17	13,71	6.51	13.15
	0.38	13,71	1.14	2.30
	8.81		26.43	53.38
64. Herbert Waite	6.03	13,71	18.09	36.54
	2.82	13,71	8.46	17.09
	6.80	13,71	20.40	41.21
	15.65		46.95	94.84
65. Jesse Waite	0.98	13,71	2.94	5.94
	18.20	13,71	54.60	110.29
	19.18		57.54	116.23
66. Roy Waite	4.88	13,71	14.64	29.57
	4.90	13,71	14.70	29.69
	9.78		29.34	59.26
67. Ernest Walker	11.30	13,71	33.90	68.48
	0.65	13,71	1.95	3.94
	6.25	13,71	18.75	37.88
	0.92	13,71	2.76	5.58
	19.12		57.36	115.88
68. S.A. Waymire	5.90	13,71	17.70	35.75
	12.13	13,71	36.39	73.51
	18.03		54.09	109.26

Name	Acres	Twnsp, Rge (S.E.)	Decree Winter	Summer Duty
69. Harmon Wittwer	3.87	13,71	11.61	23.45
Harmon Tobbler	3.87		11.61	23.45
70. Abe Woodbury	3.98	13,71	11.94	24.12
	1.26	13,71	3.78	7.64
	2.06	13,71	6.18	12.48
	0.86	13,71	2.58	5.21
	0.52	13,71	1.56	3.15
	8.68		26.04	52.60
TOTAL	1,067.28		3,201.84	6,467.72

VIRGIN RIVER SURFACE WATER
SUMMARY OF APPLICATIONS, PERMITS & CERTIFICATES IN NEVADA

Permit No.	Certificate	Priority Date	Use	AFY
3085	1153	August 17, 1914	Irrigation	1,062.26
6061	1408	April 21, 1920	Irrigation	228.00
7624	4509	January 21, 1926	Irrigation	2,106.00
10544	4485	August 2, 1940	Irrigation	246.13
11504	3611	February 28, 1946	Irrigation	380.00
13222	3509	January 3, 1950	Irrigation	896.00
16883	5343	March 21, 1956	Irrigation	600.00
Total AFY				5,518.39

Applications (Pending)	Priority Date	Use	AFY
28142	February 25, 1974	Ind.	30,000
57643	October 17, 1989	M & I	500 c.f.s. (361,900.00)*
54383	January 21, 1990	Irrigation	1,114.80
Total AFY			393,014.80

*limited to amount of available flow in the river

Table 2

NEVADA DIVISION OF WATER RESOURCES
WATER RIGHTS DATABASE

HYDROGRAPHIC BASIN ABSTRACT
GROUND WATER

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
12934		4018	05/27/1949	ABR	UG	SW	SW	20	13S	71E	0.000	MUN		0.00	0.00	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
CHANGE BY:	52015			-PER													
14347		7270	06/23/1952	CER	UG	SW	SW	20	13S	71E	0.200	MUN	Y	0.00	47.17	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
14471		4358	08/04/1952	CER	UG	SE	SW	35	13S	70E	0.100	DOM		0.00	23.59	MGA CL	BUNKERVILLE WATER USERS ASSOC.
17833		5495	02/18/1959	CER	UG	NW	SE	21	13S	71E	0.300	MUN	Y	0.00	70.75	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
19451		5556	01/16/1961	CER	UG	NE	NW	02	14S	70E	0.500	MUN		0.00	117.95	MGA CL	BUNKERVILLE WATER USERS ASSOCIATIO
20361		5922	03/12/1962	CER	UG	SW	SW	20	13S	71E	0.300	MUN	Y	0.00	54.75	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
21884		6936	03/20/1964	CER	UG	NE	SW	21	05S	71E	0.010	REC		0.00	2.35	MGA LI	PARKS DIVISION-NEVADA
21885		6937	03/20/1964	CER	UG	NW	NE	17	05S	71E	0.010	REC		0.00	2.35	MGA LI	DIVISION OF PARKS-NEVADA
22406		7917	02/01/1965	CER	UG	NW	NE	23	14S	69E	2.810	IRR		118.22	591.11	AFA CL	ARRIBA VERDE RANCH
25304		9038	10/01/1969	CER	UG	NW	SE	25	13S	70E	0.750	MUN		0.00	176.93	MGA CL	BUNKERVILLE WATER USERS ASSOCIATIO

Table 3

HYDROGRAPHIC BASIN ABSTRACT
GROUND WATER

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
26370		8182	10/20/1971	CER	UG	NW	NE	23	14S	69E	0.100	STK		0.00	1.64	MGA CL	ARRIBA VERDE RANCH
27808		10680	10/03/1973	CER	UG	SW	SW	25	13S	70E	0.110	MUN		0.00	25.94	MGA CL	BUNKERVILLE WATER USERS ASSOCIATON
27816		10681	10/09/1973	CER	UG	SW	SW	25	13S	70E	0.110	MUN		0.00	25.94	MGA CL	BUNKERVILLE WATER USERS ASSOCIATIO
41120			04/17/1980	PER	UG	NW	NW	29	13S	71E	1.500	MUN	Y	0.00	353.80	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
41121			04/17/1980	PER	UG	SE	SE	09	13S	71E	1.500	MUN	Y	0.00	353.80	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
41122			04/17/1980	PER	UG	SE	NW	29	13S	71E	1.500	MUN	Y	0.00	353.80	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
44704		12440	10/29/1981	CER	UG	SE	SW	04	13S	70E	0.003	STK		0.00	0.73	MGA CL	LYTLE, FRANCIS
44706		12017	10/29/1981	CER	UG	SE	SW	32	08S	71E	0.016	STK		0.00	3.72	MGA LI	GUBLER TRUST 507
44739		12018	10/29/1981	CER	UG	NE	NE	14	08S	70E	0.016	STK		0.00	3.72	MGA LI	GUBLER TRUST 507
46645		12575	02/17/1983	CER	UG	SE	NE	16	13S	71E	0.050	STK		0.00	11.28	MGA CL	SEPEDA FARIA DAIRY
49680			02/03/1986	PER	UG	SW	NE	25	13S	70E	1.443	MUN		0.00	340.41	MGA CL	BUNKERVILLE WATER USERS ASSOCIATIO
CHANGE BY:	58036T			-PER													
49707			02/11/1986	RFA	UG	NW	NE	17	13S	71E	1.000	QM		0.00	2.19	MGA CL	REBER, DE MURREN

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	S U P	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
50172			09/22/1986	PER	UG	SW	SW	28	13S	71E	2.000	MUN	Y	0.00	471.80 MGA	CL	MESQUITE FARMSTEAD WATER ASSOCIATI
50864			04/29/1987	ABR	UG	SW	NW	21	13S	70E	0.000	MUN		0.00	0.00 MGA	CL	MESQUITE FARMSTEAD WATER ASSN.
CHANGE BY:	56244			-PER													
50865			04/29/1987	PER	UG	NW	SW	21	13S	70E	1.000	MUN	Y	0.00	146.00 MGA	CL	MESQUITE FARMSTEAD WATER ASSN.
51023			06/15/1987	RFA	UG	SE	NE	14	14S	69E	2.228	OTH		0.00	0.00 *	CL	BUREAU OF RECLAMATION - U.S.
51024			06/15/1987	RFA	UG	SW	NW	05	15S	69E	2.228	OTH		0.00	0.00 *	CL	BUREAU OF RECLAIMATION - U.S.
51025			06/15/1987	RFA	UG	SW	NW	31	15S	69E	2.228	OTH		0.00	0.00 *	CL	BUREAU OF RECLAMATION-U.S.
51270			09/03/1987	PER	UG	SE	SW	28	13S	71E	1.000	MUN	Y	0.00	325.85 MGA	CL	MESQUITE FARMSTEAD WATER ASSOCIATI
51271			09/03/1987	PER	UG	SE	SW	28	13S	71E	1.000	MUN	Y	0.00	325.85 MGA	CL	MESQUITE FARMSTEAD WATER ASSOCIATI
51272			09/03/1987	PER	UG	SW	SE	28	13S	71E	1.000	MUN	Y	0.00	325.85 MGA	CL	MESQUITE FARMSTEAD WATER

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
																	ASSOCIATI
51306			09/16/1987	PER	UG	SE	SW	10	13S	71E	1.000	MUN	Y	0.00	325.85	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
52015	12934		04/15/1988	PER	UG	SW	SW	20	13S	71E	0.080	MUN	Y	0.00	18.90	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
52016			04/15/1988	PER	UG	SE	SW	09	13S	71E	2.000	MUN	Y	0.00	471.81	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
CHANGE BY:	56981			-RFA													
52017			04/15/1988	PER	UG	NE	SE	30	13S	71E	2.000	MUN	Y	0.00	471.81	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
52333			07/18/1988	PER	UG	NE	SE	21	13S	71E	1.000	MUN	Y	0.00	235.91	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
52356			08/01/1988	PER	UG	NE	SW	21	12S	68E	0.010	STK		0.00	2.16	MGA LI	BLM
52952			02/22/1989	PER	UG	NE	NE	30	13S	71E	1.000	MUN	Y	0.00	235.91	MGA CL	MESQUITE FARMSTEAD WATER ASSOC.
52995			03/09/1989	PER	UG	SE	SW	34	13S	70E	0.060	COM	Y	0.00	14.15	MGA CL	BIASI, BRUNO
52996			03/09/1989	PER	UG	SE	SW	34	13S	70E	0.450	COM	Y	0.00	43.80	MGA CL	BIASI, BRUNO
52997			03/09/1989	PER	UG	NE	SW	34	13S	70E	0.110	COM	Y	0.00	25.95	MGA CL	BIASI, BRUNO

NEVADA DIVISION OF WATER RESOURCES
WATER RIGHTS DATABASE

HYDROGRAPHIC BASIN ABSTRACT
GROUND WATER

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
52998			03/09/1989	PER	UG	NE	SW	34	13S	70E	0.110	COM	Y	0.00	25.95	MGA CL	BIASI, BRUNO
53026			03/16/1989	PER	UG		LT	1003	13S	71E	4.000	MUN	Y	0.00	943.60	MGA CL	MESQUITE-CITY
53027			03/16/1989	PER	UG	SE	NE	09	13S	71E	4.000	MUN	Y	0.00	943.60	MGA CL	MESQUITE-CITY
54078			10/17/1989	RFP	UG	NE	SE	11	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54079			10/17/1989	RFP	UG	NE	NE	14	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54080			10/17/1989	RFP	UG	NW	NW	14	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54081			10/17/1989	RFP	UG	NE	SE	15	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54082			10/17/1989	RFP	UG	SE	SW	15	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54083			10/17/1989	RFP	UG	SW	SE	16	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54084			10/17/1989	RFP	UG	SE	NE	21	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54085			10/17/1989	RFP	UG	SE	NW	21	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54086			10/17/1989	RFP	UG	SW	SE	21	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54087			10/17/1989	RFP	UG	SW	NW	28	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
54088			10/17/1989	RFP	UG	NE	NE	29	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54089			10/17/1989	RFP	UG	SE	SE	29	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54090			10/17/1989	RFP	UG	NW	NW	32	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54091			10/17/1989	RFP	UG	NW	SW	31	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54092			10/17/1989	RFP	UG	SE	SE	31	14S	69E	6.000	MUN		0.00	1,415.46	MGA CL	LAS VEGAS VALLEY WATER DISTRICT
54154			11/09/1989	PER	UG	SE	SE	30	13S	71E	1.000	MUN	Y	0.00	235.91	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
54175			11/16/1989	RFA	UG	SE	NE	32	13S	70E	1.000	MUN		0.00	235.91	MGA CL	MESQUITE FARMSTEAD WATER ASSOCIATI
54681			04/23/1990	RFA	UG	NE	SE	26	13S	70E	1.000	MUN		0.00	235.91	MGA CL	BUNKERVILLE WATER USERS ASSOCIATIO
55282			09/18/1990	RFP	UG	SE	SW	21	05S	71E	20.000	MUN		0.00	4,718.20	MGA LI	MESQUITE - CITY OF
55283			09/18/1990	RFP	UG	NW	NE	33	05S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55284			09/18/1990	RFP	UG	SE	NE	33	05S	71E	20.000	MUN		0.00	4,718.20	MGA LI	MESQUITE - CITY OF

HYDROGRAPHIC BASIN ABSTRACT
GROUND WATER

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	S U P	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
55289			09/18/1990	RFP	UG	NE	NE	04	07S	71E	5.000	MUN		0.00	1,179.55	MGA LI	MESQUITE - CITY OF
55290			09/18/1990	RFP	UG	SW	NW	13	08S	70E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55291			09/18/1990	RFP	UG	SE	SW	32	08S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55292			09/18/1990	RFP	UG	NW	NE	04	09S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55293			09/18/1990	RFP	UG	NE	SW	08	09S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55294			09/18/1990	RFP	UG	SE	SE	28	09S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55295			09/18/1990	RFP	UG	SW	SW	31	10S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55296			09/18/1990	RFP	UG	SW	NW	21	05S	71E	10.000	MUN		0.00	2,359.10	MGA LI	MESQUITE - CITY OF
55297			09/18/1990	RFP	UG	SE	SW	21	11S	71E	5.000	MUN		0.00	1,179.55	MGA LI	MESQUITE - CITY OF
55298			09/18/1990	RFP	UG	NW	NW	34	11S	71E	5.000	MUN		0.00	1,179.55	MGA LI	MESQUITE - CITY OF
55943			03/06/1991	RFA	UG	SW	NW	22	15S	70E	2.000	DOM		0.00	471.82	MGA CL	BUNKERVILLE CULINARY WATER ASSOC.

HYDROGRAPHIC BASIN ABSTRACT
GROUND WATER

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

APP#	CHANGE OF APP#	CERT#	FILING DATE	STAT	SRC	POINT OF DIVERSION QQ	QTR	SEC	TWP	RNG	DIV RATE (CFS)	TYPE OF USE	SUP	ACRES IRRIGATED	ANNUAL DUTY	CO	OWNER OF RECORD
55944			03/06/1991	RFA	UG	SW	SW	14	15S	70E	2.000	DOM		0.00	471.82 MGA	CL	BUNKERVILLE CULINARY WATER ASSOC.
56244	50864		04/29/1991	PER	UG	NW	NE	30	13S	71E	1.000	QM	Y	0.00	146.00 MGA	CL	MESQUITE FARMSTEAD WATER ASSN.
56793			10/02/1991	RFP	UG		LT0108		13S	71E	5.000	MUN		0.00	1,179.55 MGA	CL	MESQUITE - CITY OF
56828			10/14/1991	RFP	UG	NW	NW	16	13S	71E	5.000	MUN		0.00	1,179.55 MGA	CL	MESQUITE - CITY
56829			10/14/1991	RFP	UG	NE	NW	09	13S	71E	5.000	MUN		0.00	1,179.55 MGA	CL	MESQUITE - CITY
56959			11/25/1991	RFP	UG	NE	SE	12	13S	70E	10.000	MUN		0.00	2,359.10 MGA	CL	MESQUITE, CITY OF
56981	52016		12/06/1991	RFA	UG			16	13S	71E	2.000	MUN		0.00	471.82 MGA	CL	MESQUITE FARMSTEAD WATER ASSOCIATI
58036T	49680		09/03/1992	PER	UG	NE	SE	26	13S	70E	0.557	MUN			131.40 MGA	CL	BUNKERVILLE WATER USER'S ASSOCIATI
V04219			10/11/1984	VST	OGW	SW	SE	14	15S	71E	0.022	STK		0.00	0.29 MGA	CL	TOM, NORMAN

NEVADA DIVISION OF WATER RESOURCES
WATER RIGHTS DATABASE

HYDROGRAPHIC BASIN SUMMARY
BY STATUS FOR ACTIVE GROUNDWATER SOURCES

RUN DATE: 11/17/1992

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

STATUS	ANNUAL DUTY UNDERGROUND AF	ANNUAL DUTY UNDERGROUND MG	ANNUAL DUTY GEOTHERMAL AF	ANNUAL DUTY GEOTHERMAL MG	ANNUAL DUTY OTHER GROUNDWATER AF	ANNUAL DUTY OTHER GROUNDWATER MG	ANNUAL DUTY TOTAL AF	ANNUAL DUTY TOTAL MG
VESTED RIGHT	.00	.00	.00	.00	.89	.29	.89	.29
RESERVED RIGHT	.00	.00	.00	.00	.00	.00	.00	.00
APPLICATION	.00	.00	.00	.00	.00	.00	.00	.00
READY FOR ACTION	186,793.87	60,866.97	.00	.00	.00	.00	186,793.87	60,866.97
PERMIT	10,020.22	3,265.10	.00	.00	.00	.00	10,020.22	3,265.10
REVOCABLE PERMIT	.00	.00	.00	.00	.00	.00	.00	.00
CERTIFICATE	2,336.72	761.42	.00	.00	.00	.00	2,336.72	761.42
DECREED	.00	.00	.00	.00	.00	.00	.00	.00

NEVADA DIVISION OF WATER RESOURCES
WATER RIGHTS DATABASE

HYDROGRAPHIC BASIN SUMMARY
BY MANNER OF USE FOR GROUNDWATER SOURCES

RUN DATE: 11/17/92

HYDROGRAPHIC BASIN: 222 VIRGIN RIVER VALLEY

HYDROGRAPHIC REGION: 13 COLORADO RIVER BASIN

MANNER OF USE	ACTIVE ANNUAL DUTY ACRE FEET	ACTIVE ANNUAL DUTY MILL GALLONS	PENDING ANNUAL DUTY * ACRE FEET	PENDING ANNUAL DUTY * MILL GALLONS
COMMERCIAL	134.42	43.80	.00	.00
CONSTRUCTION	.00	.00	.00	.00
DOMESTIC	72.40	23.59	2,895.92	943.64
ENVIRONMENTAL	.00	.00	.00	.00
INDUSTRIAL	.00	.00	.00	.00
IRRIGATION (CAREY ACT)	.00	.00	.00	.00
IRRIGATION (DLE)	.00	.00	.00	.00
IRRIGATION	591.11	192.61	.00	.00
MINING & MILLING	.00	.00	.00	.00
MUNICIPAL	11,473.25	3,738.57	183,891.23	59,921.14
POWER GENERATION	.00	.00	.00	.00
QUASI-MUNICIPAL	.00	.00	6.72	2.19
RECREATION	14.42	4.70	.00	.00
STOCK WATER	72.24	23.54	.00	.00
STORAGE	.00	.00	.00	.00
WILD LIFE	.00	.00	.00	.00
OTHER/DECREED	.00	.00	.00	.00

TOTAL NUMBER OF RECORDS WITH UNDEFINED ANNUAL DUTY: 3
* May include supplemental duties as well as duties associated with applications to change.

BEAVER DAM WASH SURFACE WATER
SUMMARY OF APPLICATIONS, PERMITS, CERTIFICATES AND PROOFS IN NEVADA

PERMITTED RIGHTS

Permit No.	Certificate	Priority Date	Use	AFY
7508	1857	September 19, 1925	Irrigation	186.00
9009	2046	August 12, 1929	Stockwater	4.36
18516	5283	January 11, 1960	Recreation (Schroeder Lake)	272.00
Total				462.36

VESTED RIGHTS
(Unadjudicated)

Proof No.	Priority Date	Use	AFY
00782	September 12, 1910	Irrigation	27 acres
00113	July 6, 1912	Irrigation	15 acres

APPLICATIONS
(Pending)

Application 55987*	Mesquite Farmstead Association	M & I	500 c.f.s.**
Application 55988	Mesquite Farmstead Association	M & I	500 c.f.s.**
Application 56206*	Mesquite Farmstead Association	M & I	(included in Nos. 55987 and 55988)

* diversion point in Utah
** limited by available flow

Table 4

VRIGIN RIVER IRRIGATION USE IN ARIZONA ADJACENT TO MESQUITE, NEVADA

(As revealed from maps on file with the Nevada Division of Water Resources)

Permit No.	Certificate	Priority Date	AFY
Mesquite Irrigation Co.			
7624	4509	January 21, 1926	260.7 acres within Sections 3, 4 & 5, T16W, R39N, Mohave County, at 4.5 acre feet per year per acre = 1173.15 afy
Mesquite Irrigation Co.			
15619	5240	April 30, 1954	293 acres within the same land area with a duty of 5 acre feet per year per acre = 1465 afy*

* This total includes the total described above under Application No. 7624. This usage is not included in the Nevada Permits or Certificates.

Table 5