

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

JASON KING, P.E.
STATE ENGINEER



MESQUITE (SANDY) VALLEY
(HYDROGRAPHIC BASIN 10-163)

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2015

Field Investigated by: Christi Cooper & John Guillory, P.E.

Report Prepared by: Christi Cooper

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ABSTRACT

This inventory represents the status and usage of all permitted, certificated and claims of vested right groundwater rights located within Mesquite (Sandy) Valley, Hydrographic Basin 10-163, for water year 2015 (October 1, 2014 through September 30, 2015). Also included for summary purposes are graphs and data associated with this use, and yearly totals of historical groundwater use from 2009 through 2015 by manner of use. Also included are data associated with depth to groundwater.

The data presented are valid for the time period of this report, and may vary from previously published figures as water rights within the basin are subject to administrative action, such as certification, cancellation, forfeiture, or withdrawal on a continual basis.

For water year 2015, the permitted, certificated and claims of vested right groundwater rights totaled 387 acre-feet, with estimated pumpage of approximately **628 acre-feet**. This figure includes an estimated 436 acre-feet pumped from exempt domestic wells.

Pumping by exempt domestic wells is the largest manner of use within the basin. The second largest manner of use was quasi-municipal, with groundwater rights totaling 309 acre-feet and pumpage of 126 acre-feet.

HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	163, REGION 10
HYDROGRAPHIC BASIN NAME	MESQUITE V. (SANDY V.)
COUNTIES	CLARK
MAJOR COMMUNITIES	SANDY VALLEY
DESIGNATED	YES
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION
GROUNDWATER LEVEL MEASUREMENTS	NDWR
PUMPAGE INVENTORY, ACRE-FEET IN 2015	628 ¹

STATE ENGINEER’S ORDERS

[NO. 701 – DESIGNATION](#)

DATE: JANUARY 5, 1978

COMMITTED GROUNDWATER RESOURCE: 387 ACRE-FEET DATE: MARCH 2016

COMMERCIAL.....34	IRRIGATION...44	MINING & MILLING.....TBD [†]
QUASI-MUNICIPAL..309		

NOTE: Committed groundwater resource data are accurate for March 2016. Manner of use category totals vary over time, as rights are not necessarily static. Rights may be subject to change applications, certification, withdrawals, forfeiture and cancellations; each of these circumstances could impact the duty, diversion rate and acreage associated with a given right. The value associated with each manner of use category does not include those portions that have been relinquished in support of domestic wells.

¹ Includes pumpage by exempt domestic wells, as defined by NRS 534.013. The domestic use estimate is based upon a count of the total domestic wells in the basin multiplied by 0.5 acre-foot per annum. The number of domestic wells in the basin was estimated by a query of the Nevada Division of Water Resources Well Log Database and is approximately 872.

[†]An appropriation for mining and milling is pending for 50 acre-feet in the basin.

PURPOSE AND SCOPE

The purpose of this report is to inventory all of the groundwater resources allocated and described by the Office of the State Engineer, Nevada Division of Water Resources (NDWR), and to estimate the amount of groundwater pumped within the Mesquite (Sandy) Valley Hydrographic Basin (10-163; hereafter referred to as Mesquite Valley), for the time period beginning October 1, 2014 and ending September 30, 2015 (hereafter referred to as water year 2015). This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, as well as the amount pumped by exempt domestic wells within the basin.

DESCRIPTION OF THE STUDY AREA

Mesquite Valley is a basin located in southern Nevada that straddles the Nevada and California state line. The valley is approximately 40 miles southwest of Las Vegas, Nevada and approximately 15 miles west of Jean, Nevada, and is within the Central Hydrographic Region. The town of Sandy is the principal community. The Nevada portion of the basin (approximately 240 square miles) lies within Clark County and the California portion of the basin (approximately 220 square miles) lies within Inyo and San Bernardino Counties (Figure 1).

Mesquite Valley is bounded on the east and northeast by the Spring Mountain Range. This range rises to 11,918 feet (all elevations in this text are above mean sea level) and is the basin's primary watershed. The Clark Mountain Range forms the south boundary. The Mesquite Mountains borders the basin to the southwest; and the Kingston Range borders the basin to the west. The northern and northwest boundaries are formed by a low alluvial rise and intermittent hills separating Mesquite Valley from Pahrump Valley. The adjacent Nevada hydrographic basins are as follows: Pahrump Valley (10-162) to the northwest; Las Vegas Valley (13-212) to the northeast; Ivanpah Valley - Northern Part (10-164A) to the east; and Ivanpah Valley - Southern Part (10-164B) to the southeast.

The exterior boundary of the Mesquite Valley Hydrographic Basin is as described by Designation Order 701, issued by the Nevada State Engineer January 5, 1978. The basin covers approximately 460 square miles. Valley floor elevations range from approximately 4,000 feet along the toe of the Spring Mountains, to about 2,540 feet at the lowest point.

GROUNDWATER LEVELS

Depths to groundwater in Mesquite Valley are measured by NDWR on a semi-annual basis. Site names and links to the data are as follows (Figure 2):

[163 S25 E57 05AD 1](#)
[163 S25 E57 09AD 1](#)

[163 S25 E57 16DA 1](#)

[163 S25 E57 26BC 1](#)

Additional water level and site data can be obtained on the NDWR website (<http://water.nv.gov>). Groundwater level data have also been collected by the U.S. Geological Survey (USGS) and can be accessed on their website (<http://nevada.usgs.gov/>).

METHODS TO ESTIMATE PUMPAGE

One of the purposes of this report is to estimate the amount of groundwater pumped under vested claims, permits and certificates issued by the State Engineer, as well as the amount pumped by the exempt domestic wells in the valley. The following methods were used to arrive at the estimated use:

- Where totalizing meters were in place, meter readings were taken and compared with previous data (if available).
- Where meters were not in place and the use was irrigation, pumpage was estimated by multiplying the number of hours the well was operated during the past year (determined from an hour meter reading or asking the water user) by the certificated diversion rate.
- Where there were no flow meters or other reliable options for estimating pumpage and the use was irrigation, pumpage was estimated by dividing the Net Irrigation Water Requirement (NIWR) for the crop grown by the efficiency of the irrigation method used, then multiplying by the number of acres irrigated. Irrigation efficiencies associated with three types of irrigation methods are: pivot at 85%; wheel line or other hand moved sprinklers at 75%; and flood at 60%. The pumpage amount estimated by this method was limited by the duty of the permit. For places where the groundwater rights were supplemental to surface water, groundwater use was estimated using the NIWR method above, but adjusted based on available surface water for the year. Evapotranspiration and NIWR data by basin can be found on the NDWR website at: http://water.nv.gov/mapping/et/et_general.cfm.
- Where meters were not present, previous data were not available, and the manner of use was not irrigation, pumpage was estimated by applying the annual duty associated with the certificate (if the water right was perfected), permit or claim, if the use was as described in the certificate, permit or claim. If the use was not as described in the certificate, permit or claim, a value was estimated based upon the circumstances of use for the subject year.
- Exempt domestic wells may be drilled and utilized where water service from a purveyor is not available. These types of wells do not require a permit from the State Engineer if they do not pump more than 2 acre-feet per year as provided by Nevada Revised Statutes (NRS) [534.180](#). [NRS 534.013](#) defines this category of domestic use as follows: “*Domestic use or domestic purposes extends to culinary and household purposes directly related to a single family dwelling, including, without limitation, the watering of a family garden and lawn and the watering of livestock and any other domestic animals or household pets.*” The number of exempt domestic wells in the basin was determined by a query of the NDWR Well Log Database. The amount of water pumped by exempt domestic wells was estimated to be 0.5 acre-foot per well in Mesquite Valley.

PUMPAGE BY MANNER OF USE

Note that all data herein are estimates and subject to revision.

The total estimated groundwater pumpage for water year 2015 was 628 acre-feet. The annual duties of permitted, certificated and claims of vested groundwater rights within the Mesquite Valley Hydrographic Basin total approximately 387 acre-feet. Table 1 and Figure 3 show historical pumpage by manner of use; Figure 4 shows the percentage of groundwater pumped by manner of use; and Figure 5 compares appropriations to actual pumpage. The permitted and pumped totals for water year 2015, categorized by manner of use, are as follows:

A. Commercial (COM)

Appropriations for commercial purposes totaled 34 acre-feet, with estimated pumpage of 18 acre-feet.

B. Domestic (DOM)

Appropriations for domestic purposes totaled 0 acre-feet in the basin. However, records of the State Engineer indicate an estimated 872 exempt domestic wells existed in the basin during water year 2015. The amount of water pumped for domestic use as described under NRS 534.013 is estimated at 436 acre-feet.

C. Irrigation (IRR)

Appropriations for irrigation purposes totaled 44 acre-feet, with estimated groundwater pumpage of 45 acre-feet.

D. Mining & Milling (MM)

An appropriation for mining and milling is pending for 50 acre-feet in the basin; groundwater pumpage was estimated to be 3 acre-feet.

E. Quasi-Municipal (QM)

Appropriations for quasi-municipal totaled 309 acre-feet, with estimated groundwater pumpage of 126 acre-feet.

TABLES

Table 1. Mesquite Valley historical pumpage (acre-feet) by water year.

YEAR	DOM	COM	IRR	MM	QM	TOTAL
2009	425	27	14	5	133	604
2010	426	31	13	5	166	641
2011	430	23	12	5	168	638
2012	432	18	8	5	142	605
2013	432	18	39	5	147	641
2014	436	17	37	3	130	623
2015	436	18	45	3	126	628

All values are in acre-feet

FIGURES

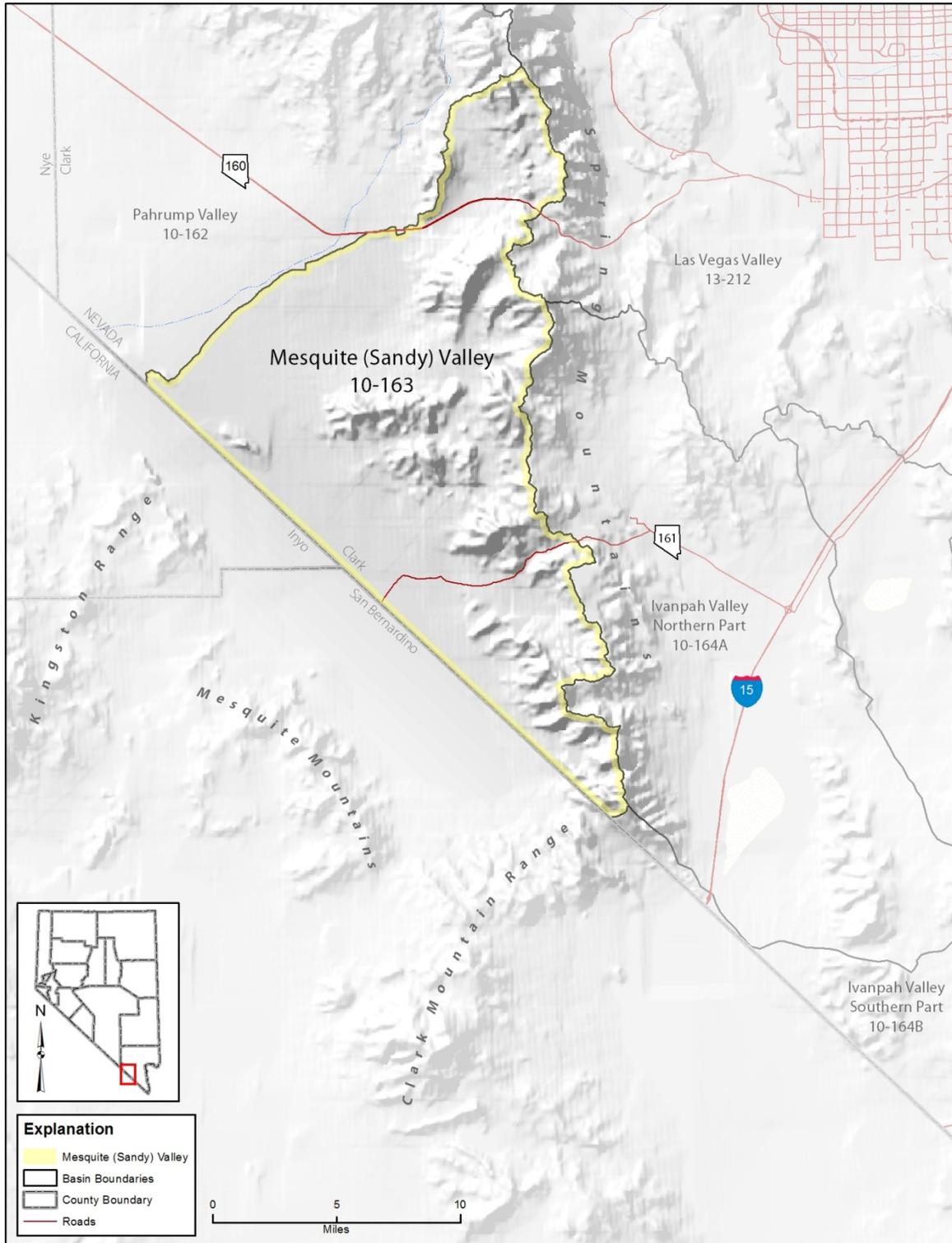


Figure 1. Location map for Mesquite Valley (Hydrographic Basin 10-163).

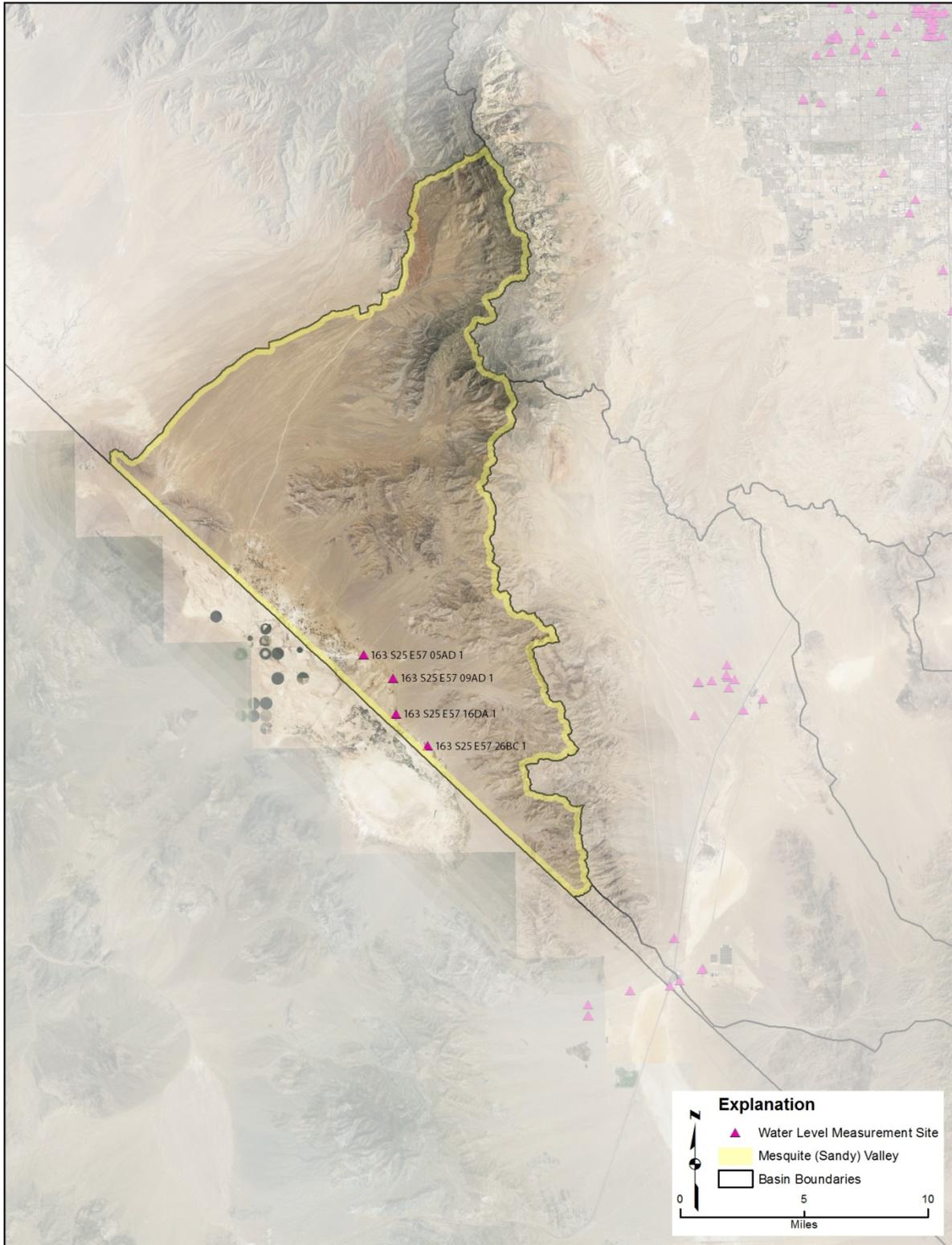


Figure 2. Mesquite Valley irrigated acreage and water level measurement sites.

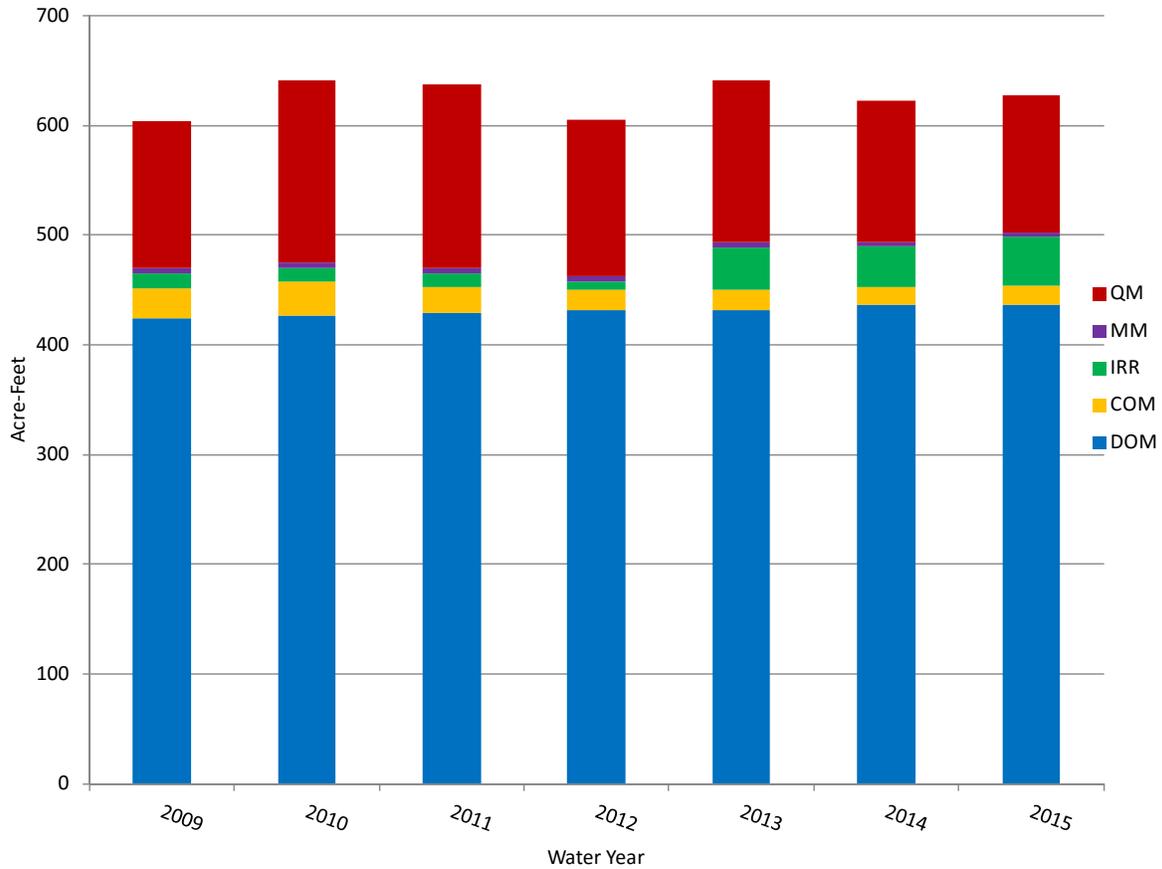


Figure 3. Mesquite Valley historical pumpage by manner of use.

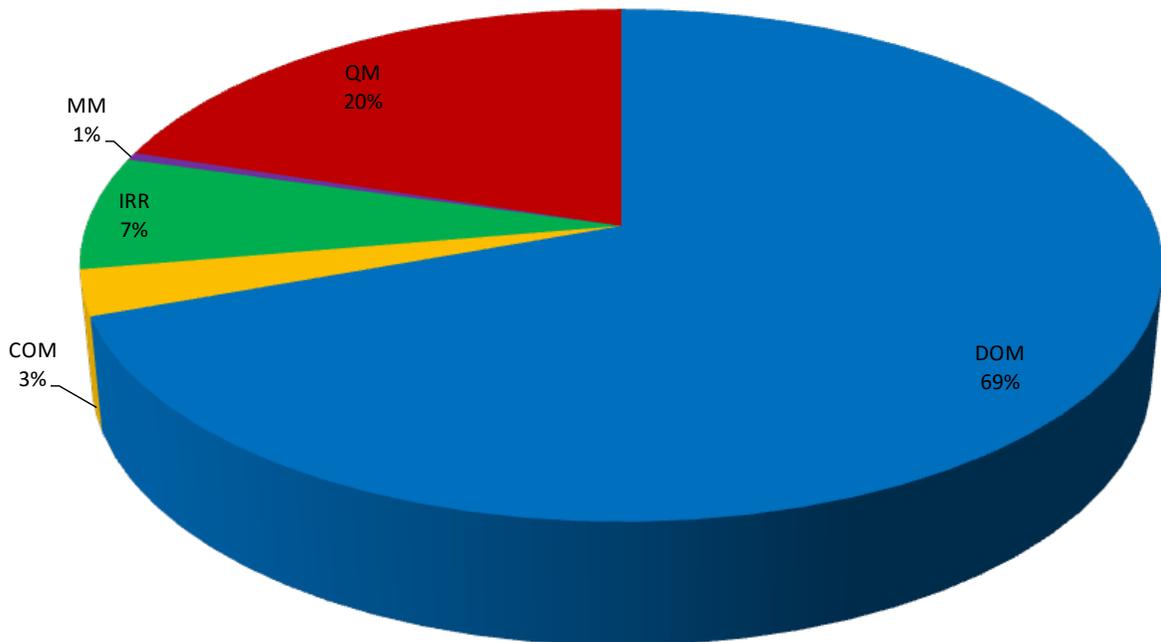


Figure 4. Percentage of 2015 groundwater pumpage by manner of use.

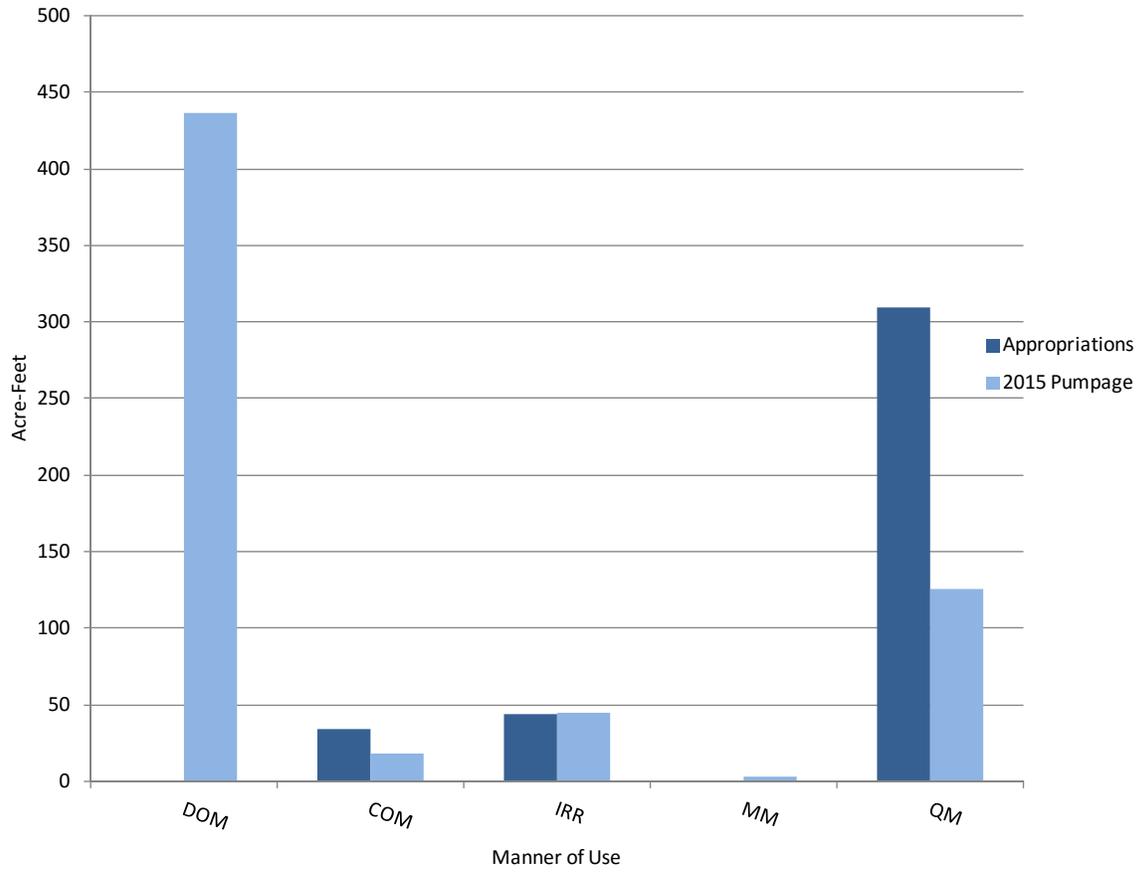


Figure 5. Comparison between 2015 groundwater appropriations and actual pumpage, by manner of use.

**APPENDIX A. MESQUITE VALLEY 2015 GROUNDWATER PUMPAGE BY
APPLICATION NUMBER.**

EXPLANATION OF COLUMN HEADINGS FOR GROUNDWATER PUMPAGE INVENTORY

APP NUMBER	The file number of the Application or the Vested Claim of Right.																
STATUS	Indicates if the application is a Vested Claim of Right (VST), a Permit (Permit), or a Certificate (Cert).																
OWNER OF RECORD	The owner of the water right as recorded in the files of the State Engineer. A water right may have more than one owner of record.																
PLACE OF USE																	
QQ	The quarter quarter of the Section in which the point of diversion is located.																
Qtr	The quarter of the Section in which the point of diversion is located.																
Sec	The Section in which the point of diversion is located.																
T	The Township in which the point of diversion is located.																
R	The Range in which the point of diversion is located.																
ACRES OR DUTY	The number of acres that are permitted to be irrigated or the duty if the manner of use is anything other than irrigation.																
ACRES IRR OR USE	<p>The number of acres irrigated or the manner of use of the appropriated water. The types of manner of use may include:</p> <table border="0" style="width: 100%;"> <tr> <td>COM - Commercial</td> <td>CON - Construction</td> </tr> <tr> <td>DOM - Domestic</td> <td>ENV - Environmental</td> </tr> <tr> <td>IND - Industrial</td> <td>IRR - Irrigation</td> </tr> <tr> <td>MM - Mining & Milling</td> <td>MUN - Municipal</td> </tr> <tr> <td>OTH - Other</td> <td>PWR - Power</td> </tr> <tr> <td>QM - Quasi-Municipal</td> <td>REC - Recreation</td> </tr> <tr> <td>STK - Stockwater</td> <td>STO - Storage</td> </tr> <tr> <td>WLD - Wildlife</td> <td></td> </tr> </table>	COM - Commercial	CON - Construction	DOM - Domestic	ENV - Environmental	IND - Industrial	IRR - Irrigation	MM - Mining & Milling	MUN - Municipal	OTH - Other	PWR - Power	QM - Quasi-Municipal	REC - Recreation	STK - Stockwater	STO - Storage	WLD - Wildlife	
COM - Commercial	CON - Construction																
DOM - Domestic	ENV - Environmental																
IND - Industrial	IRR - Irrigation																
MM - Mining & Milling	MUN - Municipal																
OTH - Other	PWR - Power																
QM - Quasi-Municipal	REC - Recreation																
STK - Stockwater	STO - Storage																
WLD - Wildlife																	
USED (AF)	The amount of water used during the water year, in acre-feet, as determined by review of records and/or field investigation.																
REMARKS	Notes pertaining to field investigation and/or review of records.																

GROUNDWATER PUMPAGE INVENTORY FOR MESQUITE (SANDY) VALLEY, NO. 163 - 2015

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS	
			QQ	Qtr	Sec	T					R
V09638	VST	KMI Zeolite, Inc.	N2	SW	03	25	57	0.00	MM	2.50	WV, no meter. Used for dust control at zeolite mine. Approx. 2,000 gpd per operations manager 09-01-15
V09639	VST										
26713	Cert	Gibson, Nadine and MJ Bud	SW	SW	25	24	56	0.60	0.30	3.65	S/N 9812750 Domestic use. Meter installed 09-20-13 RD - 00813400 08-26-14 RD - 02025300 09-01-15
28954	Cert	Bell Telephone	SE	SW	31	24	57	0.06	COM	0.06	Locked 09-01-15 Well used for bathroom only. Meter installed 9/25/15, initial reading 220. Replacement well drilled, Log # 123487
31209	Permit	Larson, Mel & Marilyn	SW	SE	06	25	57	152.04	QM	0.57	POD 31209: S/N 66143282 RD - 08117900 - 09-12-13 RD - 08152600 - 08-26-14 RD - 08341200 - 09-01-15
42512 67960	Permit Permit	Larson, Mel & Marilyn Sky Ranch Estates							QM	52.77	POD 42512 & 67960: S/N 134359 RD - 115343000 - 09-12-13 RD - 132044000 - 08-26-14 RD - 145443000 - 07-23-15 New mtr installed 7/23/15, S/N 135877, RD-002462000 - 9/1/15
59006	Cert	Larson, Mel & Marilyn						8.96	QM	8.05	POD 59006: S/N 144889 RD - 15310600 - 09-12-13 RD - 19065200 - 08-26-14 RD - 21738900 - 09-01-15 45 homes, 12 mobile homes, 33 hangars, 2 commercials bldgs.

GROUNDWATER PUMPAGE INVENTORY FOR MESQUITE (SANDY) VALLEY, NO. 163 - 2015

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS	
			QQ	Qtr	Sec	T					R
38311	Cert	Sweney	SW	SE	32	24	57	3.13	COM	7.28	S/N 05004964 1 trailer, restaurant RD - 17170500 - 09-12-13 RD - 19622600 - 08-26-14 RD - 22038900 - 09-01-15
45515	Cert	L Mejia	SW	SW	25	24	56	4.75	4.75	41.03	S/N 873082-06 RD - 206145000 - 09-12-13, meter broken 11-01-13, meter repaired reading zero RD - 009056000 - 08-26-14 RD - 011224000 - 09-01-15 Meter broken in 2015 per owner Alfalfa, NIWR = 5.3 Permitted duty 41.03 Ac-Ft/Yr Domestic well serves 50656 POU
50656	Cert							4.74	2.37		
45690	Cert	Clark County	NE	SW	32	24	57	15.80	QM	16.52	no S/N. Sandy Valley School RD - 50317600 - 09-12-13 RD - 54991200 - 08-26-14 RD - 60477200 - 09-01-15
50990	Cert										
45762	Cert	L.D.S. Church	SW	NE	04	25	57	2.90	QM	4.38	S/N 67305279 RD - 2902960 - 09-12-13 RD - 4222030 - 08-26-14 RD - 5677400 - 09-01-15
50579	Cert	Joseph Rodriguez Jr.	NW	SW	25	24	56	1.00	QM	1.37	S/N 051158204 RD - 06119100 - 09-12-13 RD - 06559700 - 08-26-14 RD - 07014500 - 09-01-15
57190	Cert	Slankard	SW	SE	31	24	57	1.12	COM	2.51	S/N 92538818 General Store RD - 22288600 - 09-12-13 RD - 22887900 - 08-26-14 RD - 23722600 - 09-01-15

GROUNDWATER PUMPAGE INVENTORY FOR MESQUITE (SANDY) VALLEY, NO. 163 - 2015

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS	
			QQ	Qtr	Sec	T					R
58719	WDR	B. Wills	SE	SW	32	24	57	1.50	COM	0.00	S/N 9072445 RD - 05554400 - 07-21-09 No use, meter removed, 9-1-15
60087	Cert	Edward J. Haddad Revoc. Trust	NE	NE	06	25	57	2.02	COM	0.42	S/N 94528666 Shopping center RD - 06999000 - 09-12-13 RD - 07163100 - 08-26-14 RD - 07301800 - 09-01-15
60264	Permit	Clark County	Lt.	01	01	23	57	8.00	QM	0.04	Camp Potosi. S/N 49081567 RD - 02666300 - 09-12-13 RD - 02688800 - 08-26-14 RD - 02702900 - 09-01-15
61409	Canc	Augustine Bustos	SW	SW	01	23	57	19.33	COM	0.00	S/N 12005462 New meter RD - 0017060 - 09-12-13 RD - 0017090 - 08-26-14 RD - 0018000 - 09-01-15
62466	Permit	Skip Powell Mgmt. Corp	NE	SW	24	24	56	4.50	COM	0.00	S/N 96502368 gravel pit RD - 20622300 - 09-12-13 RD - 20622300 - 08-26-14 RD - 20622300 - 09-01-15
62506 62507 62941 83124T	Permit Permit Permit Expired	Clark County	Gov. Lot #6		36	24	56	90.00	QM	5.86	POD 62507 & 62941: S/N 48621390 use for IRR & fire RD - 47682900 - 09-01-15 S/N 10-010038 DLJ RD - 000857000 - 09-01-15
									QM	4.38	POD 62506: S/N 60609832 use for potable water RD - 11689200 - 09-12-13 RD - 13899200 - 08-26-14 RD - 15354500 - 09-01-15
62588	Canc	Diamond Estates	SE	SE	16	24	56	8.96	QM	0.00	No meter, 1 abandoned mobile home 09-01-15. Cancelled 03-30-07

GROUNDWATER PUMPAGE INVENTORY FOR MESQUITE (SANDY) VALLEY, NO. 163 - 2015

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS	
			QQ	Qtr	Sec	T R					
64471	Cert	Valley Elect. Assoc. Inc.	SW	SW	32	24	57	1.12	COM	0.04	S/N 6917517 RD - 00690300 - 09-12-13 RD - 00717700 - 08-26-14 RD - 00732600 - 09-01-15
65611	Canc	Augustine Bustos	SW	SW	01	23	57	1.44	COM	0.00	WV, no works, POU vacant. 09-01-15 Cancelled 12-10-10
65713	Permit	Talavera	SW	SE	32	24	57	1.34	COM	0.00	WV, open casing, POU vacant 09-01-15
66227	DEN	Vidler Water Company	NW	NE	14	25	57	415.00	QM	0.00	WV, capped. 09-01-15
66275	Cert	John Kamp	SW	NE	05	25	57	0.98	COM	0.001	S/N 70809192 American Gas RD - 0191730 - 09-12-13 RD - 0193220 - 08-26-14 RD - 0193670 - 09-01-15
66545	Cert	Valley Educational	SE	SE	31	24	57	23.80	QM	24.37	S/N 0108206,POD 66545,units in cubic ft. RD - 4195600 - 09-12-13 RD - 5057840 - 08-26-14 RD - 6101260 - 09-01-15 S/N 14012048,POD 84183,units in gallons RD - 0109870 - 03-30-15 RD - 0231370 - 09-01-15
84183	Permit	Valley Educational	SE	SE	31	24	57				
66835	Canc	Haddad	NE	NW	06	25	57	2.00	COM	0.00	gate locked, POU vacant. 09-01-15 S/N 6186993 Cancelled 05-05-09 RD - 679910 - 09-25-07
67442	Permit	Benny LLC & Mark Weinger	NE	NW	06	25	57	2.02	COM	0.00	POU vacant, gate locked. 09-01-15 S/N 62407150 RD - 58240 - 09-15-08
68790	Canc	Dunajski Ernie	SE	SW	31	24	57	1.50	COM	0.00	Bar closed, gate locked. 08-14-12 S/N 60990153 Cancelled 08-17-07 RD - 3093050 - 09-12-13 RD - 3093050 - 08-26-14, 9-01-15

GROUNDWATER PUMPAGE INVENTORY FOR MESQUITE (SANDY) VALLEY, NO. 163 - 2015

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
70428	Permit	Angellotti F/Trust	NE	SE	19	22	58	4.03	COM	3.74	S/N 64677680 Mtn. Springs Bar RD - 04793200 - 09-12-13 RD - 05531100 - 08-26-14 RD - 06774000 - 09-01-15
71449	Canc	ACVLB Family Trust	NW	SW	20	22	58	8.00	COM	2.80	S/N 12005461 New meter RD - 1084810 - 09-12-13 RD - 1967540 - 08-26-14 RD - 2896100 - 09-01-15
71962	Canc	Sandy Valley Rancheros Water Users	SW	SE	32	24	57	3.36	QM	7.45	S/N 850859 RD - 13564000 - 09-12-13 RD - 16564100 - 08-26-14 RD - 19038500 - 09-01-15
73594	Permit	Sandy Valley Church	SW	NE	06	25	57	2.00	COM	1.28	S/N 955877 RD - 08101500 - 09-12-13 RD - 08470500 - 08-26-14 RD - 08896400 - 09-01-15
74313	Permit	Zeigler	NW	NE	5	25	57	12.00	COM	0.00	WNV, POU vacant. 09-01-15
83725	Permit	Altschuler Trust	SW	SW	25	24	56	4.00	QM	0.00	No meter installed, GPS'd well 09-01-15
75476	Abr	Altschuler Trust	NW	SW	25	24	56				
77285	Permit	Monte Brown	S2	SW	31	24	58	2.00	COM	0.00	WV, no meter, gravel pit, no use. 09-01-15
84258	Permit	Robert Fulstone	NE	NW	06	25	57	1.00	COM	0.00	Existing well, no works, vacant lot 09-01-15
TOTAL										191.07	Permitted rights

Verified with field notes: Christie Cooper

**APPENDIX B. MESQUITE VALLEY 2015 GROUNDWATER PUMPAGE FIELD
NOTES.**

2015

Mesquite (Sandy) Valley
No. 163

Inventory Field Notes

Compiled by:
Christi Cooper

State of Nevada
Division of Water Resources
Southern Nevada Branch Office

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 163

PERMIT NO: 26713

WELL: YES NO

METER SER NO: 9812750

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 02025300

PHOTO: YES NO

ACRES IRR: 0.3

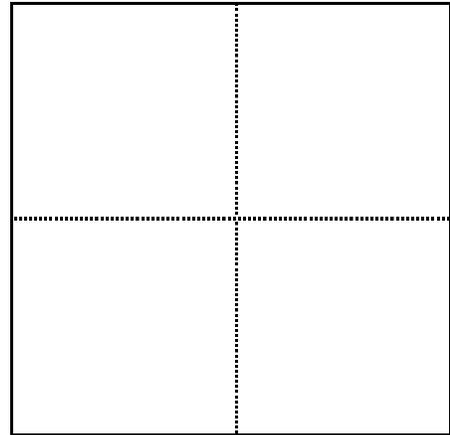
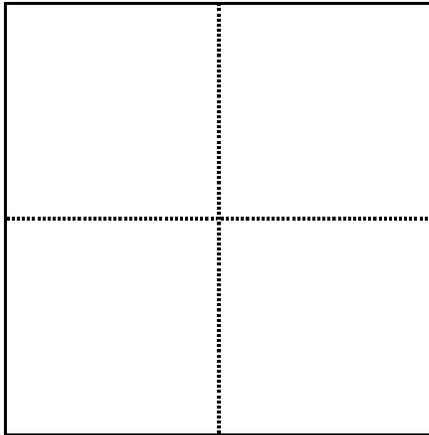
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: APN 200-25-401-002. Domestic use and hydroponic use. Hersey meter.

SIGNATURE: Christi Cooper

DATE: 9/1/2015

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 163

PERMIT NO: 45515 & 50656

WELL: YES NO

METER SER NO: 873082-06

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: Turbine

METER: YES NO

METER READ: 011224000

PHOTO: YES NO

ACRES IRR: 7.12

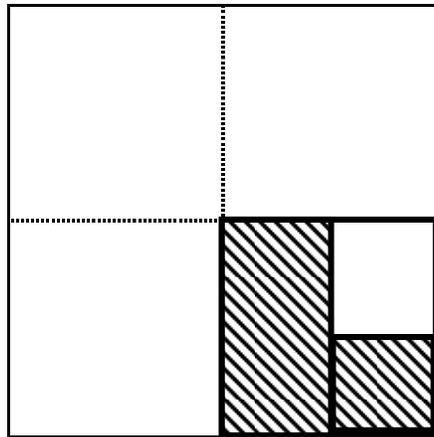
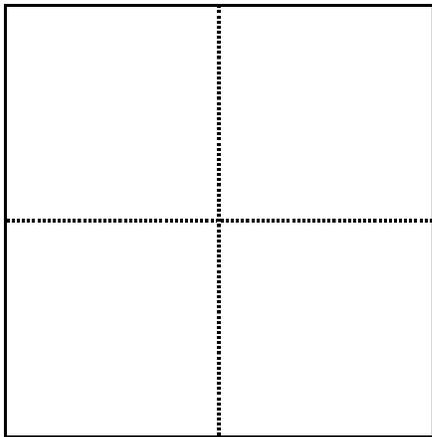
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

SW 1/4 SW 1/4 SEC 25



REMARKS: Meter repaired and re-installed 11-01-13 with a reading of zero.

Alfalfa, wheel line. Meter broken per owner in 2015.

SIGNATURE: Christi Cooper

DATE: 9/1/2015