

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

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STATE ENGINEER



CHURCHILL VALLEY (HYDROGRAPHIC BASIN 8-102)

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2012

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## ABSTRACT

This inventory presents the status and pumpage of all permitted, certificated and claim of vested right groundwater rights located within Churchill Valley, Hydrographic Basin 8-102, for water year 2012 (October 1, 2011 through September 30, 2012). Also included are links to graphs and data associated with streamflow discharge, reservoir storage and 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 continuing basis.

For water year 2012, the permitted, certificated and claims of vested right groundwater rights totaled **10,843 acre-feet**. The manner of use having the greatest amount of groundwater appropriations was Quasi-Municipal, whose appropriations totaled 6,461 acre-feet. Irrigation had the next greatest amount of appropriations, totaling 3,938 acre-feet.

An estimated **2,437 acre-feet** were pumped during the 2012 water year, this includes an estimated 1,397 acre-feet by exempt domestic wells. Exempt domestic wells are defined by Nevada Revised Statutes (NRS) 534.013 and do not require a permit issued by the State Engineer. The amount of groundwater pumped for Quasi-Municipal purposes was 603 acre-feet. The amount pumped for irrigation was 409 acre-feet.

## HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	102, REGION 8
HYDROGRAPHIC BASIN NAME	CHURCHILL VALLEY
COUNTIES	LYON, DOUGLAS, STOREY, CHURCHILL
MAJOR COMMUNITIES	SILVER SPRINGS
DESIGNATED	YES
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION, COMMERCIAL, QUASI- MUNICIPAL
GROUNDWATER LEVEL MEASUREMENTS	USGS, NDWR
PUMPAGE INVENTORY, ACRE-FEET IN 2012	2,437*

STATE ENGINEER'S ORDERS	
689 - DESIGNATION	DATE: AUGUST 23, 1977
1181 - DOMESTIC WELL CREDIT	DATE: SEPTEMBER 27, 2006
1207 - PREFERRED USE	DATE: APRIL 22, 2010

COMMITTED GROUNDWATER RESOURCE: 10,843 ACRE-FEET AS OF SEPTEMBER 2012

IRRIGATION .....3,938	QUASI-MUNICIPAL.....6,461	STOCK.....57
COMMERCIAL .....38	RECREATIONAL.....39	MM/IND.....310

NOTE: Committed groundwater resource data are accurate for September 2012. Manner of Use category totals vary over time, as water rights (rights) are not necessarily static. Individual rights may be subject to change applications, certification, withdrawals, 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. A total of 2.02 acre-feet have been relinquished in the basin.

\*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 1 acre-foot per annum. The number of domestic wells in the basin was estimated by queries of the Nevada Division of Water Resources' Well Log Database and the Lyon County Assessor's parcel data and is approximately 1,397.

## **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, and to estimate the amount of groundwater pumped within the Churchill Valley Hydrographic Basin 8-102, for the water year beginning October 1, 2011 and ending September 30, 2012 (water year 2012). This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, vested claims of right, and the amount pumped by exempt domestic wells within the basin. Links to associated information such as groundwater level measurements and streamflow statistics are also presented.

## **DESCRIPTION OF THE STUDY AREA**

Churchill Valley is located in west central Nevada and lies wholly within the state. The basin occupies approximately 490 square miles and covers parts of four counties: Churchill, Douglas, Lyon, and Storey. The majority of the basin is within Lyon County. Churchill Valley is bounded on the north by the Virginia Range that rises to elevations greater than 7,000 feet, on the east by the Dead Camel Mountains, rising to an elevation of approximately 5,260 feet, on the southeast by the Desert Mountains that rise to elevations greater than 6,000 feet, on the south by the Buckskin Range, rising to an approximate elevation of 7,000 feet, on the southwest by the Pine Nut Mountains, rising to an elevation greater than 8,700 feet, and on the west by Churchill Butte and the associated alluvial rise at an elevation of approximately 6,000 feet (all elevations in this text are above mean sea level). The adjacent hydrographic basins are as follows: Fernley Area (6-076) to the north, Carson Desert (8-101) to the east, Walker Lake Valley (8-110) and Mason Valley (8-108) to the southeast, Smith Valley (8-107) and Carson Valley (8-105) to the southwest, Dayton Valley (8-103) to the west; and Tracy Segment (6-083) to the northwest (See Figure 1). The boundary of the Churchill Valley Hydrographic Basin is as described by Designation Order 689 issued by the Nevada State Engineer dated August 23, 1977 (See Figure 1).

## **HYDROLOGY**

The dominant hydrologic features of Churchill Valley are the Carson River and Lahontan Reservoir. The Carson River flows from its headwaters in the Sierra Nevada through the Carson, Dayton, and Churchill Valleys to the Carson Sink, located in the Carson Desert, Hydrographic Basin 8-101. The river enters Churchill Valley at an elevation of approximately 4,200 feet and flows from west to east and into Lahontan Reservoir. Tributaries to the Carson River in this valley are ephemeral and only reach the river in times of high flow during run-off. The river channel often goes dry in the later summer months within the Churchill Valley reach.

The U.S. Geological Survey (USGS) operates a streamflow gaging station near the location where the Carson River enters Churchill Valley (USGS #[10312000](#) Carson River near Fort Churchill, Nevada).

**Figure 1.**  
**Location Map of Churchill Valley Hydrographic Basin 8-102**



The gage is located in the NE ¼ SE ¼ Section 35, Township 17 North, Range 24 East. The period of record is April 1911 through the current water year. The average annual run-off for the station is 269,700 acre-feet; the annual run-off for water year 2012 was 120,200 acre-feet (USGS, Water Data Report 2012).

The Buckland Ditch diversion is located approximately 400 feet upstream of the gaging station. The ditch delivers Carson River water to pasture and alfalfa fields located in Churchill Valley. For water year 2012, approximately 3,660 acre-feet were diverted into this ditch (written communication from Brian Casci, Federal Water Master’s Office, 2012) for irrigation and stockwater uses. The diversions to the Buckland Ditch should be added to the USGS gage reading in order to estimate the Carson River discharge from Dayton Valley to Churchill Valley.

Lahontan Reservoir was created with the completion of Lahontan Dam by the Bureau of Reclamation in 1915. The reservoir has a capacity of 295,500 acre-feet at the spillway crest at

4,162 feet. The reservoir stores water from the Carson River and from the Truckee River via the Truckee Canal. Lahontan Reservoir supplies irrigation water for the Newlands Project in the Carson Desert.

The USGS monitors the content of the reservoir on the upstream side of the Lahontan Dam (USGS #[10312100](#) Lahontan Reservoir near Fallon, NV). The gage is located in the SW 1/4 SE 1/4 Section 33, Township 19 North, Range 26 East. The period of record is January 1917 through the current year. The maximum reservoir volume for 2012 was 219,400 acre-feet; the minimum was 34,150 acre-feet.

## **Groundwater Levels**

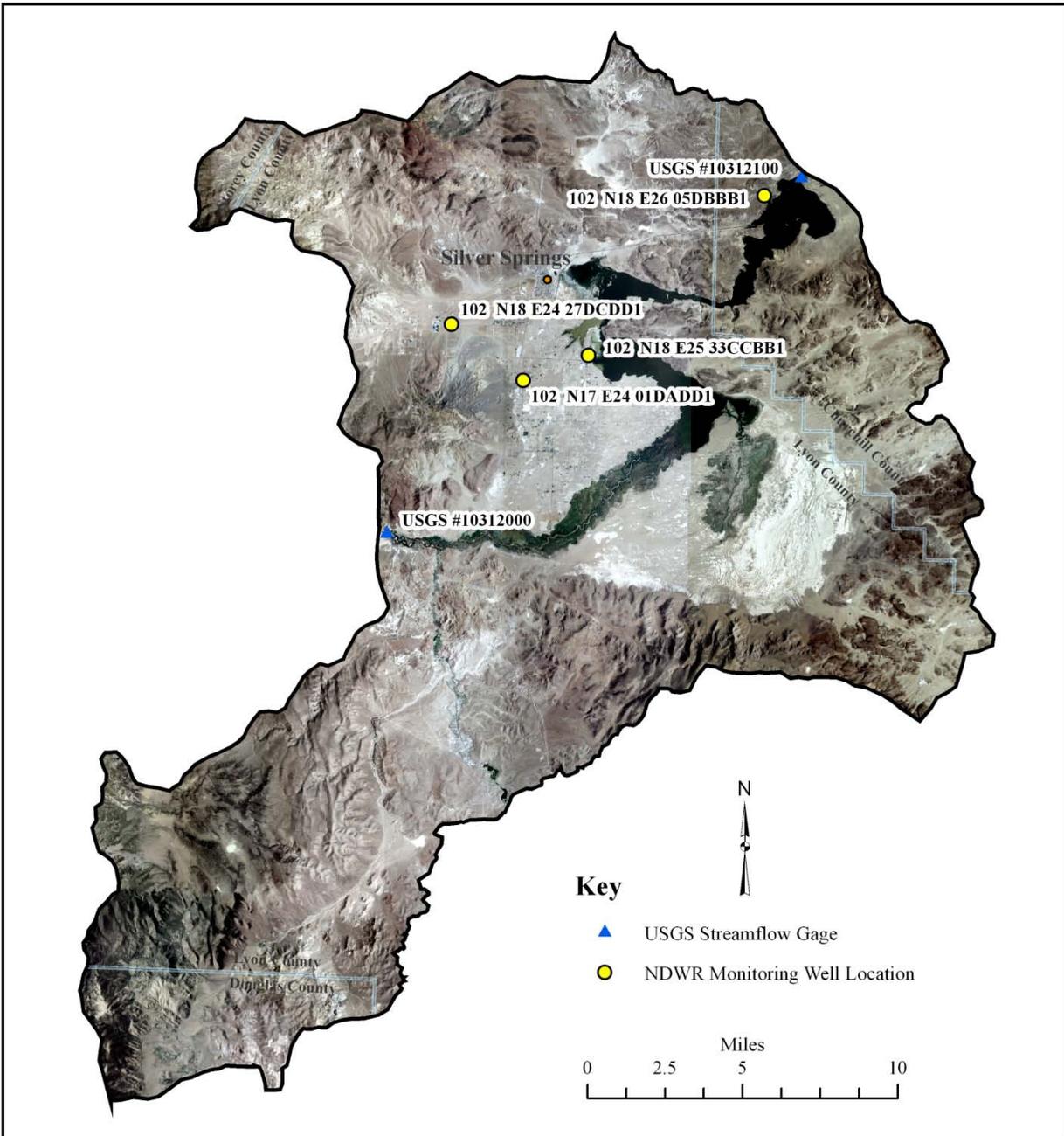
Groundwater level measurements conducted by the Nevada Division of Water Resources are done on a quarterly basis at the following four locations (see Figure 2):

- [102 N17 E24 01DADD1](#)
- [102 N18 E24 27DCDD1](#)
- [102 N18 E25 33CCBB1](#)
- [102 N18 E26 05DBBB1](#)

The water level data and hydrograph for each site, as well as all other groundwater level data collected by or reported to the Nevada Division of Water Resources are available from the Water Level Data page of the Nevada Division of Water Resources website (<http://water.nv.gov/data/waterlevel/>). Data retrievals are organized by hydrographic basin.

In addition to the sites monitored by the Nevada Division of Water Resources, the USGS monitors a network of different wells whose data is available directly from the USGS, or from their website, <http://nevada.usgs.gov>.

**Figure 2.**  
**Location Map of Churchill Valley Groundwater Level Monitoring Network**



## METHODS TO ESTIMATE PUMPAGE

This report estimates the amount of groundwater pumped under vested claims of right and the permits and certificates issued by the State Engineer, as well as the amount pumped by 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 manner of use was irrigation, the place of use was inspected to estimate the amount of acreage under cultivation. Pumpage was then estimated by multiplying the number of acres under cultivation by 3 or 4 acre-feet per acre, depending on the duty specified by the permit or certificate.
- Where meters were not present, previous data were not available, and the manner of use was not irrigation, pumpage was estimated using the annual duty associated with the certificate or permit if the use of the water was as described in the certificate or permit; if the use of the water was not as described in the certificate or permit, pumpage was estimated based on how the water was being used.
- The primary water purveyor for Churchill Valley is the Silver Springs Mutual Water Company (SSMWC). The SSMWC currently operates four production wells and serves approximately 1,020 connections (oral communication, SSMWC). SSMWC reports monthly pumping totals on a quarterly basis as a condition of the permits under which the groundwater was appropriated. These reports are used directly as the amount pumped by SSMWC.
- Stock water wells are not required to be equipped with totalizing meters. Estimates of pumpage were derived from a combination of sources, including information from the Bureau of Land Management (BLM, [Rangeland Administration System](#)), documentation from the water right permit files and the certificated duty for the permit.
- 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 estimated by queries of the Nevada Division of Water Resources’ Well Log Database and the Lyon County Assessor's parcel data. The number of domestic wells according to the Well Log database for water year 2012 was 1198. The Lyon County parcel data placed the number of wells at 1420. After subtracting the number of wells associated with permits issued by the State Engineer, yet also identified by the Lyon County data, the number of exempt domestic wells in the basin is estimated to be 1397. The amount of water pumped by exempt domestic wells is estimated to be one acre-foot per well.

## **PUMPAGE BY MANNER OF USE**

Note that all data herein are estimates and subject to revision. The total estimated groundwater pumpage for the water year 2012, including exempt domestic wells, is **2,437 acre-feet**. The annual duties of permitted, certificated and vested claims within the Churchill Valley hydrographic basin total approximately **10,843 acre-feet**. The permitted and pumped totals as categorized by manner of use are as follows:

### **A. Quasi-Municipal (QM)**

During water year 2012, appropriations for quasi-municipal purposes totaled 6,461 acre-feet. An estimated 603 acre-feet were pumped during water year 2012.

### **B. Irrigation (IRR)**

During water year 2012, appropriations for irrigation purposes totaled 3,938 acre-feet. An estimated 409 acre-feet were pumped during water year 2012. The groundwater irrigation appropriations are associated with approximately 1080 acres. Of these, approximately 703 acres were irrigated during water year 2012. A significant number of those acres have surface water rights appurtenant as well. This report acknowledges those acres with surface water rights but is not intended to quantify, nor present any definitive place of use of the surface water rights.

### **C. Commercial / Recreation (COM / REC)**

During water year 2012, appropriations totaled 77 acre-feet for commercial and recreational purposes in the basin; 38 acre-feet for commercial and 39 acre-feet for recreation. Five acre-feet were pumped for commercial purposes and 11 acre-feet were pumped for recreation purposes during water year 2012.

### **D. Stock (STK)**

During water year 2012, appropriations totaled 57 acre-feet for stock purposes in the basin. An estimated 11 acre-feet were pumped during water year 2012.

### **E. Mining and Milling / Industrial (MM / IND)**

During water year 2012, appropriations totaled 310 acre-feet for mining and milling, and industrial purposes in the basin; 307 acre-feet of which are for mining and milling. Pumpage is estimated at 0.44 acre-feet for water year 2012.

### **F. Domestic (DOM)**

During water year 2012, appropriations for domestic purposes totaled 0 acre-feet in the basin; however, records available to the State Engineer indicate approximately 1,397 domestic wells existed in the basin during water year 2012. The amount of water pumped for domestic use as described under NRS 534.013 is estimated at 1,397 acre-feet.

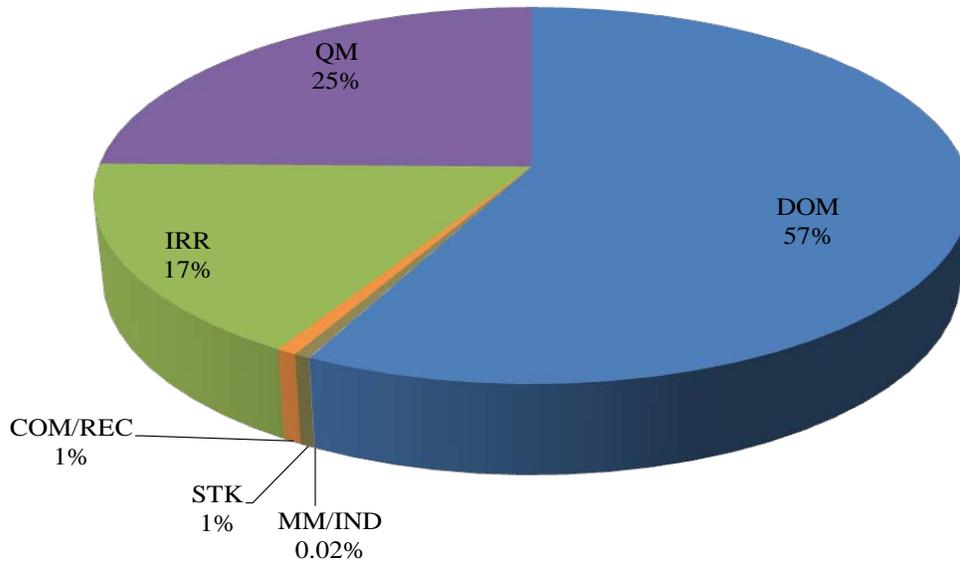
## REFERENCES CITED

U.S. Department of the Interior. Bureau of Land Management. "Bureau of Land Management's Rangeland Administration System." [Online] September 2012.  
<<http://www.blm.gov/ras/index.htm>>

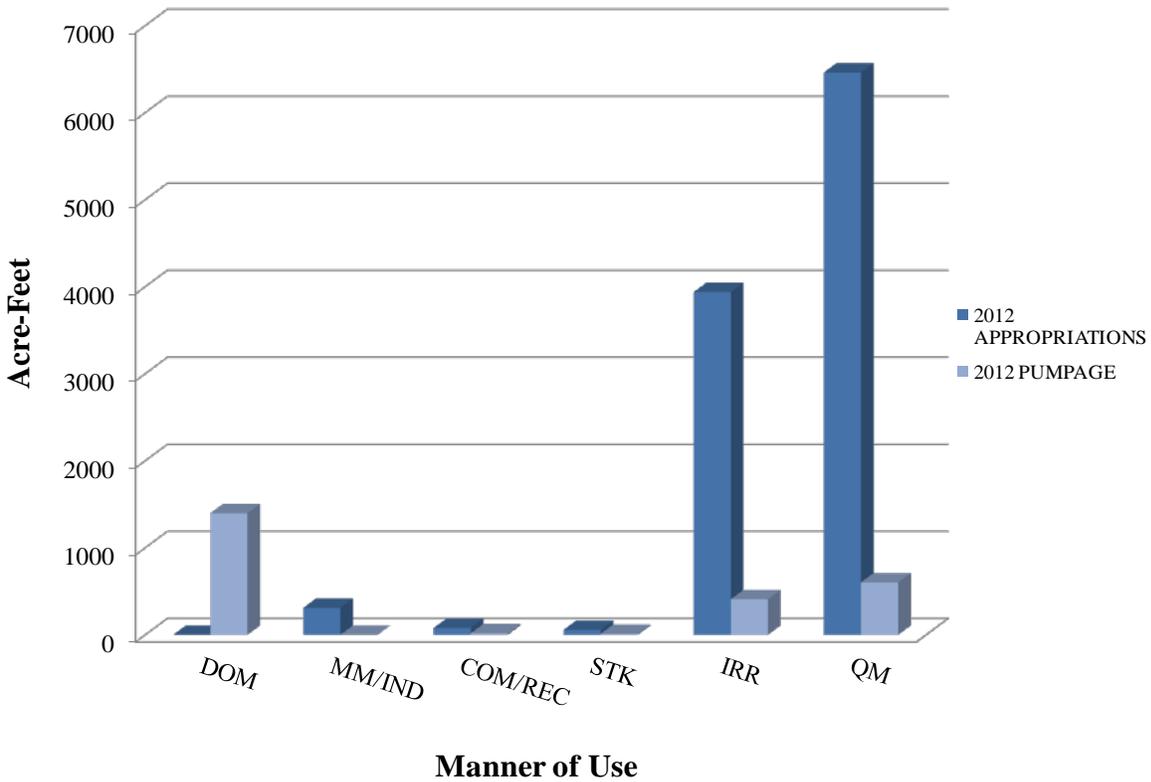
U.S. Department of the Interior, U.S. Geological Survey. "Nevada Water-Data Report 2012." [Online] 15 July 2013. <http://wdr.water.usgs.gov/wy2012/search.jsp>

**APPENDIX A**  
**CHURCHILL VALLEY GROUNDWATER PUMPAGE FOR WATER YEAR 2012 BY**  
**MANNER OF USE**

**PERCENTAGE OF GROUNDWATER PUMPAGE FOR WATER YEAR 2012 BY MANNER OF USE**



**GROUNDWATER PUMPAGE FOR WATER YEAR 2012 APPROPRIATIONS vs. ACTUAL PUMPAGE**



**APPENDIX B**

**CHURCHILL VALLEY WATER YEAR 2012 GROUNDWATER PUMPAGE BY  
APPLICATION NUMBER**

## Explanation of Column Headings for Groundwater Pumpage by Application Number

UNIQUE IDENTIFIER	An ID assigned to each well, based on its geographic location. POC – Proof of Completion. No POC Filed indicates that no POC has been submitted to the office of the state engineer.
APP NO.	The file number of the Application to Appropriate/Change Water.
STATUS	Indicates the status of an application: Permit (PER), certificated, or a Claim of Vested Right (VST). If an application has been certificated, the Certificate number will be listed in the column.
MOU	The manner of use of the appropriated water. COM - Commercial                      STK - Stock IRR - Irrigation                         MM - Mining and Milling QM - Quasi-Municipal                 IND - Industrial REC - Recreational                     DOM - Domestic OTH - Other
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.
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.
PER ACRES	The number of acres that are permitted to be irrigated.
DUTY (AF)	The number of acre-feet of water that the permittee may pump. One acre-foot equals 325,851 gallons.
SUPP ADJ	Where more than one permit is appurtenant to the same place of use, the permits are considered supplemental. Permits may be either completely or partially supplemental. In these cases, a total combined duty for the subject permits is employed. The values in this field are the supplementally adjusted duties for the permits.
UNIT	Acre-feet annually (AFA) and acre-feet seasonally (AFS). AFS limits water usage to certain months of the year.
DUTY USED	The amount of water used during the water year, in acre-feet, as determined by review of records and/or field investigation.
SUPP SRC	The source of the supplemental water; Underground (UG), or Carson River (CR).
SUPP GW APP NO.	The file number(s) of any supplemental groundwater appropriations.

**CHURCHILL VALLEY WATER YEAR 2012  
GROUNDWATER PUMPAGE BY APPLICATION NUMBER**

APP NO.	UNIQUE IDENTIFIER	STATUS	MOU	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER ACRES IRR	DUTY (AF)	SUPP ADJ	UNIT	DUTY USED	SUPP SRC	SUPP GW APP NO
9906	102 N16 E26 03DADA1	2818	STK	CASEY, BENJAMIN F.	NE	SE	03	16N	26E		7.86	7.86	AFA	0.72		
17107	102 N18 E24 25ADBB1	5626	QM	ERGS, INC.	SE	NE	25	18N	24E		48.49	48.49	AFA	48.49		
17306	102 N18 E24 27CACB1	5738	QM	LYON COUNTY	NE	SW	27	18N	24E		3.44	3.44	AFA	4.23		
19868	102 N18 E24 25BDAA1	6659	IRR	THE CALICO FAMILY REVOCABLE LIVING TRUST	SE	NW	25	18N	24E	91.50	366.00	366.00	AFA	207.00		
25345	102 N17 E25 28CBCB1	8019	IRR	NEVADA-PARKS DIVISION	NW	SW	28	17N	25E	569.00	1,925.29	1,925.29	AFA	163.52	CR	
26778	102 N17 E25 31AAAD1	9347	IRR	GONZALEZ, RAUL MURILLO	NE	NE	31	17N	25E	50.50	202.00	202.00	AFA	0.00		
27664	102 N17 E24 35ADBA1	10428	IRR	NEVADA-PARKS DIVISION	SE	NE	35	17N	24E	8.00	32.00	32.00	AFA	0.00	CR	
28380	102 N17 E25 18BCAB1	9350	IRR	JOHNSON, L.W.	SW	NW	18	17N	25E	9.70	38.80	38.80	AFA	4.00		
28555	102 N17 E25 31ADDA1	9838	IRR	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	31	17N	25E	3.88	15.52	15.52	AFA	0.00		
30303	102 N18 E25 33CCBB1	10025	REC	NEVADA-PARKS DIVISION	SW	SW	33	18N	25E		27.01	27.01	AFA	1.16	UG	30305
30305	102 N18 E25 33CCAB1	10026	REC	NEVADA-PARKS DIVISION	SW	SW	33	18N	25E		20.16		AFA	0.00	UG	30303
35025	102 N17 E24 34DDDA1	10323	REC	NEVADA-PARKS DIVISION	SE	SE	34	17N	24E		8.59	8.59	AFA	6.44		
35987	102 N18 E25 29DAB1	10616	REC	CONSERVATION AND NATURAL RESOURCES	NE	SE	29	18N	25E		1.23	1.23	AFA	1.79		
36636	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		2,857.79	4,195.83	AFA	217.23	UG	Footnote 1
36637	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		2,133.78		AFA	143.99	UG	Footnote 1
36638	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NW	NW	30	18N	25E		2,133.78		AFA	152.57	UG	Footnote 1
36640	102 N18 E24 26DDDD1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	SE	26	18N	24E		678.82		AFA	0.00	UG	Footnote 1
38152	102 N18 E24 28ADDA1	11135	IRR	LYON COUNTY	SE	NE	28	18N	24E	9.13	2.00	2.00	AFA	4.76		
38225	102 N17 E25 27ABBA1	9366	IRR	NEVADA-PARKS DIVISION	NW	NE	27	17N	25E	273.30	1,093.20	1,093.20	AFA	21.96	CR	
38968	102 N17 E25 32BBDC1	10427	IRR	HANGER, MARK S. AND JUANITA K.	NW	NW	32	17N	25E	6.05	24.20	24.20	AFA	8.00		
45477	102 N18 E24 27AAD1	15001	QM	FRISK, CLIFFORD & LORI AND TULL, JOEY	NE	NE	27	18N	24E		4.34	4.34	AFA	0.00		
46706	102 N16 E25 11ADCB1	11216	STK	DEPAOLI, DEBRA M.	SE	NE	11	16N	25E		2.82	2.82	AFS	0.72		
46707	102 N16 E25 05DCBD1	11217	STK	DEPAOLI, DEBRA M.	SW	SE	05	16N	25E		2.76	2.76	AFS	0.72		
46710	102 N18 E24 33BADA1	13120	QM	LITTLER, EDWINA L.	NE	NW	33	18N	24E		1.32	1.32	AFA	0.35		
46885	102 N14 E23 01ACA1	11142	STK	HUNTSBERGER, RICHARD C.	SW	NE	01	14N	23E		8.68	8.68	AFA	0.80		
46886	102 N15 E24 21CDBD1	11143	STK	HUNTSBERGER, RICHARD C.	SE	SW	21	15N	24E		8.96	8.96	AFA	0.80		
46887	102 N15 E24 31ADAD1	11144	STK	HUNTSBERGER, RICHARD C.	SE	NE	31	15N	24E		8.96	8.96	AFA	0.80		
46900	102 N16 E27 17AB1	11465	STK	DAMONTE RANCH LLC	NW	NE	17	16N	27E		3.25	3.25	AFS	1.72		
49465	102 N18 E25 04ABD1	12635	STK	BLM		LT02	04	18N	25E		4.48	4.48	AFA	2.02		
51609	102 N18 E25 17BAA1	16133	COM	CLEARWATER ENVIRONMENTAL	NE	NW	17	18N	25E		2.02	2.02	AFA	0.25		
52005	102 N18 E24 10ADCD1	PER	MM	AMERICAN GOLD CAPITAL US INC	SE	NE	10	18N	24E		306.89	306.89	AFA	0.00		
52098	102 N18 E24 27BDD1	13480	COM	WOJCIECHOWSKI, HENRY	SE	NW	27	18N	24E		12.58	12.58	AFA	1.14		
53462	102 N17 E24 24DAC1	14316	IRR	LAWSON, LAWRENCE M.	NE	SE	24	17N	24E	0.50	2.00	2.00	AFA	0.00		
54279	102 N18 E24 33CABB1	14458	QM	THE JOHN M AND PAULINE G HOLMES FAMILY TRUST A	NE	SW	33	18N	24E		18.50	18.50	AFA	23.52		
57077	102 N18 E24 24CCDB1	PER	COM	SILVER SPRINGS AIRPORT	SW	SW	24	18N	24E		1.52	1.52	AFA	0.83	UG	57078
57078	102 N18 E24 25BBDB1	PER	COM	SILVER SPRINGS AIRPORT	NW	NW	25	18N	24E		1.52		AFA	0.63	UG	57077
60749	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		38.08		AFA	0.00	UG	Footnote 1
60751	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NW	NW	30	18N	25E		38.08		AFA	0.00	UG	Footnote 1
60752	102 N18 E25 19CCD 1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	SW	19	18N	25E		38.08		AFA	0.00	UG	Footnote 1
60753	102 N18 E24 26DDDD1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	SE	26	18N	24E		38.08		AFA	0.00	UG	Footnote 1
62586	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		38.08		AFA	0.00	UG	Footnote 1
62912	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		74.60		AFA	0.00	UG	Footnote 1
62913	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		74.60		AFA	0.00	UG	Footnote 1
63258	102 N18 E24 27CC1	PER	QM	LYON COUNTY SCHOOL DISTRICT	SW	SW	27	18N	24E		46.93	46.93	AFA	11.53		
65267	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		28.38		AFA	0.00	UG	Footnote 1
66171	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NW	NW	30	18N	25E		1.62		AFA	0.00	UG	Footnote 1
66172	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NW	NW	30	18N	25E		15.99		AFA	0.00	UG	Footnote 1
66173	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NW	NW	30	18N	25E		8.07		AFA	0.00	UG	Footnote 1
66656	102 N17 E24 01DADD1	PER	QM	FAITH BAPTIST CHURCH OF SILVER SPR.	NE	SE	01	17N	24E		2.02	2.02	AFA	1.30		
66724	102 N18 E25 17ABDC1	PER	IND	FORSTER, RUDOLPH J. & DOROTHY J.	NW	NE	17	18N	25E		2.02	2.02	AFA	0.13		

**CHURCHILL VALLEY WATER YEAR 2012  
GROUNDWATER PUMPAGE BY APPLICATION NUMBER**

APP NO.	UNIQUE IDENTIFIER	STATUS	MOU	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER ACRES IRR	DUTY (AF)	SUPP ADJ	UNIT	DUTY USED	SUPP SRC	SUPP GW APP NO
66740	102 N18 E25 17ABDD1	17557	IND	ROCKS NEVADA & MCGUIRE, LEE & KARLA ELSON	NW	NE	17	18N	25E		0.65	0.65	AFA	0.31		
67637	102 N18 E24 35CDDD1	PER	COM	KELLY, GENE W. & PAULA J.	SE	SW	35	18N	24E		2.02	2.02	AFA	0.00		
68243	102 N17 E24 35DAAD1	PER	REC	NEVADA-PARKS DIVISION	NE	SE	35	17N	24E		2.02	2.02	AFA	1.13		
68766	102 N18 E24 28ACDA1	16691	STK	ALT, DON	SW	NE	28	18N	24E		4.48	4.48	AFA	0.00		
70098	102 N17 E25 05AABA1	PER	COM	BATY, ELIZABETH A. & MICHAEL	NE	NE	05	17N	25E		2.02	2.02	AFA	0.27		
71964	102 N18 E24 28DCAD1	PER	COM	MISFITS HOLDING, LLC	SW	SE	28	18N	24E		1.97	1.97	AFA	0.07		
72096	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		204.48		AFA	0.00	UG	Footnote 1
72097	102 N18 E25 30AAAB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	NE	NE	30	18N	25E		50.00		AFA	0.00	UG	Footnote 1
72236	102 N17 E25 06BCCB1	17240	COM	CORP OF CHRIST JESUS CHRIST OF LDS	SW	NW	06	17N	25E		2.02	2.02	AFA	1.62		
72438	102 N18 E25 30BBCC1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SW	NW	30	18N	25E		20.00		AFA	0.00	UG	Footnote 1
72619	No POC Filed	PER	QM	COTTONWOOD SPRINGS, LLC	SE	NE	19	18N	24E		2,128.00	2,128.00	AFA	0.00		
72913	102 N17 E24 01CADD1	PER	COM	ASSEMBLIES OF GOD	NE	SW	01	17N	24E		2.02	2.02	AFA	0.10		
73525	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		45.00		AFA	0.00	UG	Footnote 1
75619	No POC Filed	PER	COM	EAGLE RESERVE	SE	NE	24	18N	24E		0.81	0.81	AFA	0.00		
75620	No POC Filed	PER	COM	JOHNSON, ATRHUR W. & MELODY W.	NE	SE	36	18N	24E		1.79	1.79	AFA	0.00		
75621	No POC Filed	PER	COM	EAGLE RESERVE	SW	SW	17	18N	25E		1.50	1.50	AFA	0.00		
75622	No POC Filed	PER	COM	CARLSON, CARLENE	SW	NE	27	18N	24E		0.60	0.60	AFA	0.00		
75623	No POC Filed	PER	COM	ST. PAUL CAPITAL CORPORATION	NE	SW	27	18N	24E		1.01	1.01	AFA	0.00		
75953	No POC Filed	PER	COM	GUARD, LTD., A NEVADA LIMITED PARTNERSHIP	NE	SE	36	18N	24E		1.42	1.42	AFA	0.00		
75954	No POC Filed	PER	COM	GUARD, LTD., A NEVADA LIMITED PARTNERSHIP	SE	SE	36	18N	24E		0.83	0.83	AFA	0.00		
77737	102 N17 E25 05ABAD1	PER	COM	SWAIN DOWAIN AND MAXEEN	NW	NE	05	17N	25E		2.00	2.00	AFA	0.54		
78579	102 N17 E25 28CBBC1	PER	IRR	NEVADA-PARKS DIVISION	NW	SW	28	17N	25E		56.26	56.26	AFA	0.00	CR	
78580	102 N17 E25 28CBBC1	PER	IRR	NEVADA-PARKS DIVISION	NW	SW	28	17N	25E		180.95	180.95	AFA	0.00	CR	
78624	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		4.48		AFA	0.00	UG	Footnote 1
78625	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		4.48		AFA	0.00	UG	Footnote 1
78646	102 N16 E24 34DDDA1	PER	STK	ANDRE L AND VICKIE BEAUPRE	SE	SE	34	16N	24E		4.48	4.48	AFA	3.05		
78958	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		12.10	12.10	AFA	0.00	UG	78975
78975	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		12.10		AFA	0.00	UG	78958
79237	102 N18 E24 25ADBB1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	NE	25	18N	24E		14.02		AFA	0.00	UG	Footnote 1
79585	102 N18 E25 19CCD 1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	SW	19	18N	25E		289.58		AFA	0.00	UG	Footnote 1
79586	102 N18 E25 19CCD 1	PER	QM	SILVER SPRINGS MUTUAL WATER COMPANY	SE	SW	19	18N	25E		2,133.78		AFA	0.00	UG	Footnote 1
81103	No POC Filed	PER	COM	SINGH, SATNAM	NE	NE	24	18N	24E		2.00	2.00	AFA	0.00		
V09390	102 N18 E24 28ACDA1	VST	STK	ALT, DON	SW	NE	28	18N	24E		0.00		AFA	0.00		

**Footnotes**

1. Silver Springs Mutual Water Company: 36636, 36637, 36638, 36640, 60749, 60751, 60752, 60753, 62586, 62912, 62913, 65267, 66171, 66172, 66173, 72096, 72097, 72438, 73525, 78624, 78625, 79237, 79585, 79586 = TCD 4,195.83 AFA

**APPENDIX C**

**CHURCHILL VALLEY WATER YEAR 2012 IRRIGATION BY GROUNDWATER  
PERMITS AND CERTIFICATES**

## Explanation of Column Headings for Groundwater Irrigation

APP NO.	The file number of the Application to Appropriate/Change Water.
STATUS	Indicates the status of an application: Permit (PER), certificated, or a Claim of Vested Right (VST). If an application has been certificated, the Certificate number will be listed in the column.
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.
QQ	The quarter quarter of the Section that is part of the place of use.
QTR	The quarter of the Section that is part of the place of use.
SEC	The Section that is part of the place of use.
T	The Township that is part of the place of use.
R	The Range that is part of the place of use.
PER ACRES	The number of acres, by quarter quarter, that are permitted to be irrigated.
PER IRR ACRES	The number of acres irrigated within the place of use of the associated permit, during the water year, as determined by field inspection.
SUPP ACRES	The number of acres, by quarter quarter, that have more than one appropriation appurtenant.
SUPP SOURCE	The source of the supplemental water; Underground (UG), or Carson River (CR).
SUPP APP NO.	The file number of the supplemental water; DCR stands for Decreed Carson River.

**CHURCHILL VALLEY WATER YEAR 2012 IRRIGATION BY  
GROUNDWATER PERMITS AND CERTIFICATES**

APP NO.	STATUS	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER ACRES	PER IRR ACRES	SUPP ACRES	SUPP SOURCE	SUPP APP NO.	
19868	6659	POWELL, JAMES A.	NE	NW	25	18N	24E	11.5	0				
19868	6659		SE	NW	25	18N	24E	40	29.25				
19868	6659		SW	NW	25	18N	24E	40	23.42				
			<b>Total Acres:</b>					<b>91.5</b>	<b>52.67</b>	<b>0</b>			
25345	8019	PARKS DIVISION-NEVADA	NW	NW	28	17N	25E	20	20	20	CR	788DCR	
25345	8019		NE	NW	28	17N	25E	35	35	35	CR	788DCR	
25345	8019		SW	NW	28	17N	25E	40	40	40	CR	788DCR	
25345	8019		SE	NW	28	17N	25E	40	40	40	CR	788DCR	
25345	8019		NW	SW	28	17N	25E	38	38	38	CR	788DCR	
25345	8019		NE	SW	28	17N	25E	40	40	40	CR	788DCR	
25345	8019		NW	NE	28	17N	25E	40	40	40	CR	788DCR	
25345	8019		NE	NE	28	17N	25E	32	32	16	CR	788DCR	
25345	8019		SW	NE	28	17N	25E	31	31	26	CR	788DCR	
25345	8019		SE	NE	28	17N	25E	19	19	3	CR	788DCR	
25345	8019		NW	SE	28	17N	25E	13	13	5	CR	788DCR	
25345	8019		SE	NE	29	17N	25E	10	10	10	CR	788DCR	
25345	8019		NW	SE	21	17N	25E	6	6	6	CR	788DCR	
25345	8019		NE	SE	21	17N	25E	30	30	30	CR	788DCR	
25345	8019		SW	SE	21	17N	25E	33	33	33	CR	788DCR	
25345	8019		SE	SE	21	17N	25E	40	40	37	CR	788DCR	
25345	8019		NW	SW	22	17N	25E	40	40	27	CR	788DCR	
25345	8019		NE	SW	22	17N	25E	33	33				
25345	8019		SW	SW	22	17N	25E	22	22	14	CR	788DCR	
25345	8019		SE	SW	22	17N	25E	7	7				
			<b>Total Acres:</b>					<b>569</b>	<b>569</b>	<b>460</b>			
26778	9347	GONZALEZ, RAUL MURILLO	NE	NE	31	17N	25E	37.5	0				
26778	9347		NW	NE	31	17N	25E	13	0				
			<b>Total Acres:</b>					<b>50.5</b>	<b>0</b>	<b>0</b>			
27664	10428	PARKS DIVISION-NEVADA	NE	SE	35	17N	24E	3	0	3	CR	783DCR	
27664	10428		NW	SW	36	17N	24E	5	0	5	CR	784DCR	
			<b>Total Acres:</b>					<b>8</b>	<b>0</b>	<b>8</b>			
28380	9350	JOHNSON, L.W.	SW	NW	18	17N	25E	9.7	1				
			<b>Total Acres:</b>					<b>9.7</b>	<b>1</b>	<b>0</b>			
28555	9838	BONDS, MERLIN D. & CAROL V.	SE	NE	31	17N	25E	3.88	0				
			<b>Total Acres:</b>					<b>3.88</b>	<b>0</b>	<b>0</b>			
38152	11135	LYON COUNTY	SE	NE	28	18N	24E	9.13	9.13				
			<b>Total Acres:</b>					<b>9.13</b>	<b>9.13</b>	<b>0</b>			

**CHURCHILL VALLEY WATER YEAR 2012 IRRIGATION BY  
GROUNDWATER PERMITS AND CERTIFICATES**

APP NO.	STATUS	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER ACRES	PER IRR ACRES	SUPP ACRES	SUPP SOURCE	SUPP APP NO.
38225	9366	PARKS DIVISION-NEVADA	SW	SW	22	17N	25E	1.6	0	1.6	CR	791DCR
38225	9366		SE	SW	22	17N	25E	19.3	0	17	CR	791DCR
38225	9366		SW	SE	22	17N	25E	15.4	15.4		CR	Footnote 1
38225	9366		SE	SE	22	17N	25E	31.7	31.7		CR	Footnote 1
38225	9366		SW	SW	23	17N	25E	1.5	0			
38225	9366		NW	NW	27	17N	25E	12.4	0	12.4	CR	791DCR
38225	9366		NE	NW	27	17N	25E	33.3	0		CR	Footnote 1
38225	9366		NW	NE	27	17N	25E	22.1	22.1			
38225	9366		SW	NW	27	17N	25E	39.8	0	27	CR	791DCR
38225	9366		SE	NW	27	17N	25E	24.5	0			
38225	9366		NW	SW	27	17N	25E	35.7	0			
38225	9366		NE	SW	27	17N	25E	12.7	0			
38225	9366		SE	NE	28	17N	25E	10.5	0	9	CR	791DCR
38225	9366		NE	SE	28	17N	25E	12.8	0		CR	Footnote 1
<b>Total Acres:</b>								<b>273.3</b>	<b>69.2</b>	<b>67<sup>1</sup></b>		
38968	10427	CASEY, MICHAEL AND CLAUDIA	NW	NW	32	17N	25E	6.05	2			
<b>Total Acres:</b>								<b>6.05</b>	<b>2</b>	<b>0</b>		
53462	14316	LAWSON, LAWRENCE M.	NE	SE	24	17N	24E	0.5	0			
<b>Total Acres:</b>								<b>0.5</b>	<b>0</b>	<b>0</b>		
78579	PER	PARKS DIVISION - NEVADA	NE	SE	29	17N	25E		0			
			SW	NE	29	17N	25E		0			
			NW	SE	29	17N	25E		0			
<b>Total Acres:</b>								<b>59.3</b>	<b>0</b>	<b>59.3</b>	CR/UG	Footnote 2
78580	PER	PARKS DIVISION - NEVADA	NE	SE	29	17N	25E		0			
			SW	NE	29	17N	25E		0			
			NW	SE	29	17N	25E		0			
<b>Total Acres:</b>								<b>59.3</b>	<b>0</b>	<b>59.3</b>	CR/UG	Footnote 2

**Footnotes**

1. Supplemental acres to the Carson River have not yet been determined.
2. The acres under 78579 and 78580 are supplemental to each other and to 787DCR

**APPENDIX D**

**CHURCHILL VALLEY HISTORICAL PUMPAGE BY POINT OF DIVERSION**

**CHURCHILL VALLEY HISTORICAL PUMPAGE BY MANNER OF USE**

**CHURCHILL VALLEY HISTORICAL PUMPAGE  
BY POINT OF DIVERSION**

UNIQUE IDENTIFIER	APP NO.	MOU	OWNER OF RECORD	DUTY USED 2006	DUTY USED 2007	DUTY USED 2008	DUTY USED 2009	DUTY USED 2010	DUTY USED 2011	DUTY USED 2012
102 N14 E23 01ACA1	46885	STK	HUNTSBERGER, RICHARD C.	8.68	8.68	0.67	0.67	0.67	0.67	0.80
102 N15 E24 21CDBD1	46886	STK	HUNTSBERGER, RICHARD C.	8.96	8.96	0.67	0.67	0.67	0.67	0.80
102 N15 E24 31ADAD1	46887	STK	HUNTSBERGER, RICHARD C.	8.96	8.96	0.67	0.67	0.67	0.67	0.80
102 N16 E24 01BADB1	35627	IRR	PARKS DIVISION-NEVADA	0.00	0.00	0.00	0.00			
102 N16 E24 34DDDA1	78646	STK	ANDRE L AND VICKIE BEAUPRE					3.02	3.02	3.05
102 N16 E25 05DCBD1	46707	STK	DEPAOLI, DEBRA M.	2.82	2.76	2.76	0.77	0.77	0.72	0.72
102 N16 E25 11ADCB1	46706	STK	DEPAOLI, DEBRA M.	2.82	2.82	2.82	0.77	0.77	0.72	0.72
102 N16 E26 03DADA1	9906	STK	CASEY, BENJAMIN F.	7.86	7.86	7.86	0.77	0.77	0.72	0.72
102 N16 E27 17AB1	46900	STK	DAMONTE RANCH LLC	3.25	3.25	1.72	1.71	1.71	3.25	1.72
102 N17 E24 01CADD1	72913	COM	ASSEMBLIES OF GOD	0.00	0.00	0.02	0.11	0.13	0.06	0.10
102 N17 E24 01DABA1	71332	COM	STEAMBOAT WESTERN WEAR	1.12	0.15	0.02	0.01			
102 N17 E24 01DADD1	66656	QM	FAITH BAPTIST CHURCH OF SILVER SPR.	0.67	0.54	0.74	1.12	1.63	0.83	1.30
102 N17 E24 12DCCD1	35318	QM	JACKSON, MICHAEL T	8.77	10.92	10.26	11.96	9.96		
102 N17 E24 24DAC1	53462	IRR	LAWSON, LAWRENCE M.	2.00	2.00	2.00	1.00	1.00	0.00	0.00
102 N17 E24 34DDDA1	35025	REC	PARKS DIVISION-NEVADA	8.59	8.72	7.47	6.91	11.27	7.07	6.44
102 N17 E24 35ADBA1	27664, 72385T	IRR	COTTONWOOD SPRINGS, LLC; STATE OF NEVADA	38.55	57.00	0.00	59.57	0.00	0.00	0.00
102 N17 E24 35CBBD1	22724	REC	PARKS DIVISION-NEVADA	0.00	0.00	0.00	0.00			
102 N17 E24 35DAAD1	68243	REC	PARKS DIVISION-NEVADA	0.00	1.12	2.02	1.70	1.32	1.36	1.13
102 N17 E24 35DAAD2	73590	OTH	PARKS DIVISION-NEVADA	0.00	0.00	0.00	0.45			
102 N17 E25 05AABA1	70098	COM	BATY, ELIZABETH A. & MICHAEL	2.02	0.00	0.60	0.67	0.22	0.16	0.27
102 N17 E25 05ABAD1	77737	COM	DOWAIN L AND MAXEEN M SWAIN				2.00	1.00	0.57	0.54
102 N17 E25 06BCCB1	72236	COM	CORP OF CHRIST JESUS CHRIST OF LDS	2.02	2.02	2.02	1.82	1.35	1.59	1.62
102 N17 E25 18BCAB1	28380	IRR	JOHNSON, L.W.	38.80	38.80	18.00	0.00	0.00	1.00	4.00
102 N17 E25 27ABBA1	38225	IRR	PARKS DIVISION-NEVADA	42.91	89.22	69.38	73.65	44.19	0.00	21.96
102 N17 E25 28CBCB1	25345, 78579, 78580	IRR	PARKS DIVISION-NEVADA	21.10	311.00	158.24	30.65	66.29	0.00	163.52
102 N17 E25 31AAAD1	26778	IRR	GONZALEZ, RAUL MURILLO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102 N17 E25 31ADDA1	28555	IRR	BONDS, MERLIN D. & CAROL V.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102 N17 E25 32BBDC1	38968	IRR	CASEY, MICHAEL AND CLAUDIA	7.20	5.00	1.34	0.00	2.00	20.00	8.00
102 N18 E24 10ACD1	52005	MM	TALAPOOSA MINING, INC.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102 N18 E24 24CCDB1	57077	COM	SILVER SPRINGS AIRPORT	0.81	0.77	0.69	0.93	0.94	0.75	0.83
102 N18 E24 25ADBB1	17107, 36637, 62586, 73525, 78624, 78625, 78958, 78975, 79237	QM	ERGS, INC. / SILVER SPRINGS MUTUAL WATER COMPANY	164.36	210.00	162.57	192.76	38.89	90.91	192.48
102 N18 E24 25BBDB1	57078	COM	SILVER SPRINGS AIRPORT	0.73	3.34	0.75	0.98	0.86	0.49	0.63
102 N18 E24 25BDA1	19868	IRR	CALICO, MAC V. & CALICO, SALLEE I.	268.00	268.00	208.00	200.48	226.40	223.00	207.00
102 N18 E24 26BBDD1	73790	COM	RUSSO, TONY	0.00	0.00	0.00	0.00			
102 N18 E24 26DDDD1	36640, 60753	QM	SILVER SPRINGS MUTUAL WATER COMPANY	0.00	2.90	0.00	0.00	0.00	0.00	0.00
102 N18 E24 27AAD1	45477	QM	FRISK, CLIFFORD & LORI AND TULL, JOEY	0.04	0.04	0.01	0.01	0.01	0.01	0.00
102 N18 E24 27BDD1	52098	COM	WOJCIECHOWSKI, HENRY	4.74	2.44	1.41	1.85	1.51	0.98	1.14
102 N18 E24 27CACB1	17306	QM	LYON COUNTY	3.44	3.44	8.27	3.03	0.87	1.05	4.23
102 N18 E24 27CC1	63258	QM	LYON COUNTY SCHOOL DISTRICT	8.00	14.71	14.28	7.06	11.18	11.18	11.53
102 N18 E24 28ACDA1	68766, V09390	STK	ALT, DON	4.84	4.84	0.42	0.00	0.00	0.00	0.00
102 N18 E24 28ADDA1	38152	IRR	LYON COUNTY	2.00	2.00	2.00	0.75	1.61	2.77	4.76
102 N18 E24 28CDD1	62850	QM	MOUNTAINTOP VENTURES, INC.	9.38	8.58	7.18	7.30			
102 N18 E24 28CDDC1	62849	QM	MOUNTAINTOP VENTURES, INC.	0.00	0.00	0.00	0.00			
102 N18 E24 28DCAD1	71964	COM	MISFITS HOLDING, LLC	0.00	0.00	0.61	0.21	0.00	0.00	0.07
102 N18 E24 32ACDC1	73008	COM	MCCLELLAND-HAHN, ROBERT & LINDA	0.00	0.00	0.00	0.00			
102 N18 E24 32ACDD1	73007	COM	MCCLELLAND-HAHN, ROBERT & LINDA	0.00	0.00	0.00	0.00			
102 N18 E24 33BADA1	46710	QM	LITTLER, EDWINA L.	0.06	0.01	1.32	0.32	0.36	0.39	0.35
102 N18 E24 33CABB1	54279	QM	PRISONS DEPARTMENT-NEVADA	17.70	16.33	14.45	0.30	7.00	16.07	23.52
102 N18 E24 35CDD1	67637	COM	KELLY, GENE W. & PAULA J.	0.00	1.12	0.00	0.00	0.00	0.00	0.00

**CHURCHILL VALLEY HISTORICAL PUMPAGE  
BY POINT OF DIVERSION**

UNIQUE IDENTIFIER	APP NO.	MOU	OWNER OF RECORD	DUTY USED 2006	DUTY USED 2007	DUTY USED 2008	DUTY USED 2009	DUTY USED 2010	DUTY USED 2011	DUTY USED 2012
102 N18 E25 04ABD1	49465	STK	BLM	4.48	4.48	1.85	1.85	1.85	1.85	2.02
102 N18 E25 17ABDC1	66724	IND	FORSTER, DOROTHY J.	1.00	1.00	0.08	0.43	3.54	0.59	0.13
102 N18 E25 17ABDD1	66740	IND	ROCKS NEVADA & MCGUIRE, LEE & KARLA ELSON	0.21	0.57	0.44	0.68	0.36	0.11	0.31
102 N18 E25 17BAA1	51609	COM	CLEARWATER ENVIRONMENTAL	0.16	0.22	0.11	0.24	0.50	1.10	0.25
102 N18 E25 19CCD1	21800, 36639, 60752, 79585, 79586	QM	ERGS, INC. / SILVER SPRINGS MUTUAL WATER COMPANY	2.70	2.79	3.36	49.12	38.28	3.68	0.00
102 N18 E25 29DAB1	35987	REC	CONSERVATION AND NATURAL RESOURCES	4.38	1.25	1.06	2.88	1.15	0.91	1.79
102 N18 E25 30AAAB1	36636, 60749, 62912, 62913, 65267, 72096, 72097	QM	SILVER SPRINGS MUTUAL WATER COMPANY	295.60	259.42	293.73	244.58	259.63	410.99	217.23
102 N18 E25 30BBCC1	36638, 60751, 66171, 66172, 66173, 72438	QM	SILVER SPRINGS MUTUAL WATER COMPANY	203.10	193.37	152.76	153.83	254.38	1.10	152.57
102 N18 E25 33CCAB1	30305	REC	PARKS DIVISION-NEVADA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102 N18 E25 33CCBB1	30303	REC	PARKS DIVISION-NEVADA	0.70	3.66	2.04	3.00	1.98	0.54	1.16
102 N19 E25 33DDBC1	72087	COM	MUSTANG RANGE & FIREARMS CENTER LTD	0.00	0.00	0.00	0.00			
No POC Filed	72619	QM	COTTONWOOD SPRINGS, LLC			0.00	0.00	0.00	0.00	0.00
No POC Filed	75619	COM	EAGLE RESERVE							0.00
No POC Filed	75620	COM	JOHNSON, ATRHUR W. & MELODY W.							0.00
No POC Filed	75621	COM	EAGLE RESERVE							0.00
No POC Filed	75622	COM	CARLSON, CARLENE							0.00
No POC Filed	75623	COM	ST. PAUL CAPITAL CORPORATION							0.00
No POC Filed	75953	COM	GUARD, LTD., A NEVADA LIMITED PARTNERSHIP							0.00
No POC Filed	75954	COM	GUARD, LTD., A NEVADA LIMITED PARTNERSHIP							0.00
No POC Filed	81103	COM	SINGH, SATNAM							0.00
Site Name Not Established	61304	IND	JNT, INC.	0.00	0.00					
Site Name Not Established	66634, 73790	COM	NOWAK, TONY; Russo, Tony	0.00	0.00					

### CHURCHILL VALLEY HISTORICAL PUMPAGE BY MANNER OF USE

	2004	2005	2006	2007	2008	2009	2010	2011	2012
MM/IND	0	1	1	2	1	1	4	1	0
COM/REC	65	35	25	25	19	23	22	16	16
STK	53	32	53	53	19	8	11	12	11
IRR	194	150	421	773	459	366	341	247	409
QM	769	719	714	723	669	671	622	536	603
DOM	980	1,018	1,076	1,178	1,185	1,181	1,192	1,195	1,397
<b>TOTAL</b>	<b>2,060</b>	<b>1,955</b>	<b>2,290</b>	<b>2,753</b>	<b>2,352</b>	<b>2,251</b>	<b>2,193</b>	<b>2,007</b>	<b>2,437</b>

All values are in acre-feet  
 Note: Totals may vary due to rounding.

